

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056698.D
 Acq On : 15 Jul 2019 9:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 16 01:08:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	333291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	18307	4.98	ug/l	0.00
Spiked Amount			Recovery	=	9.96%	
35) Dibromofluoromethane	7.59	113	15029	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	
50) Toluene-d8	10.09	98	56991	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.40	95	17434	4.26	ug/l	0.00
Spiked Amount			Recovery	=	8.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	16482	5.812	ug/l	98
3) Chloromethane	2.06	50	21001	5.422	ug/l	100
4) Vinyl Chloride	2.19	62	20164	5.394	ug/l	97
5) Bromomethane	2.55	94	12867	5.918	ug/l	97
6) Chloroethane	2.69	64	12249	5.681	ug/l	92
7) Trichlorofluoromethane	3.01	101	26962	5.581	ug/l	96
8) Diethyl Ether	3.41	74	9862	4.846	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	15767	5.144	ug/l	99
10) Methyl Iodide	3.95	142	17957	4.359	ug/l	99
11) Tert butyl alcohol	4.80	59	13964	22.553	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	15482	5.239	ug/l	99
13) Acrolein	3.61	56	7611	16.593	ug/l	92
14) Allyl chloride	4.32	41	25888	5.221	ug/l	99
15) Acrylonitrile	5.00	53	41988	24.284	ug/l	98
16) Acetone	3.82	43	40908	22.447	ug/l	98
17) Carbon Disulfide	4.05	76	38988	5.654	ug/l	98
18) Methyl Acetate	4.33	43	25488	5.458	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	47748	4.895	ug/l	98
20) Methylene Chloride	4.55	84	18342	4.818	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	16551	5.187	ug/l	95
22) Diisopropyl ether	5.96	45	52117	5.030	ug/l	91
23) Vinyl Acetate	5.90	43	193321	23.642	ug/l	99
24) 1,1-Dichloroethane	5.85	63	30661	5.162	ug/l	99
25) 2-Butanone	6.84	43	60663	24.811	ug/l	98
26) 2,2-Dichloropropane	6.82	77	21777	5.226	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	19152	5.146	ug/l	98
28) Bromochloromethane	7.20	49	14934	5.124	ug/l #	98
29) Tetrahydrofuran	7.22	42	39632	26.138	ug/l	96
30) Chloroform	7.37	83	31264	5.344	ug/l	99
31) Cyclohexane	7.66	56	31781	5.512	ug/l #	72
32) 1,1,1-Trichloroethane	7.57	97	23272	5.003	ug/l	97
36) 1,1-Dichloropropene	7.80	75	23155	5.156	ug/l	99
37) Ethyl Acetate	6.93	43	20052	4.539	ug/l #	90
38) Carbon Tetrachloride	7.77	117	21448	5.392	ug/l	97

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 Data File : VN056698.D
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 16 01:08:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28122	5.058	ug/l	96
40) Benzene	8.04	78	72140	5.219	ug/l	98
41) Methacrylonitrile	7.22	41	34120	17.660	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	23155	5.099	ug/l	99
43) Isopropyl Acetate	8.17	43	34873	5.098	ug/l #	91
44) Trichloroethene	8.84	130	19504	5.259	ug/l	97
45) 1,2-Dichloropropane	9.12	63	18753	5.076	ug/l	96
46) Dibromomethane	9.21	93	11303	4.896	ug/l	96
47) Bromodichloromethane	9.40	83	21389	5.178	ug/l	97
48) Methyl methacrylate	9.20	41	16141	4.701	ug/l	96
49) 1,4-Dioxane	9.20	88	6998	98.973	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	111737	25.298	ug/l	100
52) Toluene	10.15	92	42005	4.975	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	20504	4.905	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	25142	5.067	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17706	5.225	ug/l	98
56) Ethyl methacrylate	10.43	69	23137	4.638	ug/l	99
57) 1,3-Dichloropropane	10.71	76	28730	5.051	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	57752	30.226	ug/l	99
59) 2-Hexanone	10.75	43	78168	23.999	ug/l	99
60) Dibromochloromethane	10.90	129	16001	5.129	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16965	4.902	ug/l	98
64) Tetrachloroethene	10.63	164	20052	5.804	ug/l	99
65) Chlorobenzene	11.43	112	42759	4.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	15581	5.247	ug/l	96
67) Ethyl Benzene	11.51	91	75936	4.962	ug/l	99
68) m/p-Xylenes	11.62	106	55920	9.964	ug/l	97
69) o-Xylene	11.95	106	27997	5.043	ug/l	98
70) Styrene	11.96	104	42316	4.765	ug/l	99
71) Bromoform	12.12	173	11227	5.332	ug/l #	97
73) Isopropylbenzene	12.25	105	71160	4.993	ug/l	99
74) N-amyl acetate	12.07	43	24074	4.646	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23771	5.325	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	26809	7.833	ug/l #	100
77) Bromobenzene	12.53	156	17826	4.928	ug/l	97
78) n-propylbenzene	12.59	91	76799	5.156	ug/l	97
79) 2-Chlorotoluene	12.67	91	47844	5.108	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	58946	5.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4957	4.961	ug/l #	83
82) 4-Chlorotoluene	12.77	91	43069	4.901	ug/l	99
83) tert-Butylbenzene	12.99	119	52899	4.992	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	57120	5.210	ug/l	99
85) sec-Butylbenzene	13.17	105	67207	5.154	ug/l	100
86) p-Isopropyltoluene	13.28	119	59439	5.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28742	5.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	26254	4.892	ug/l	95
89) n-Butylbenzene	13.61	91	43937	5.086	ug/l	98
90) Hexachloroethane	13.87	117	8662	4.907	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	28683	5.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3279	5.334	ug/l	95

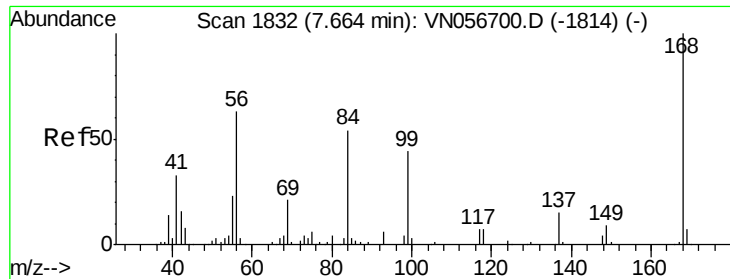
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056698.D
Acq On : 15 Jul 2019 9:10
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 16 01:08:51 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:03:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	9407	3.974	ug/l	97
94) Hexachlorobutadiene	15.01	225	11234	5.401	ug/l	99
95) Naphthalene	15.13	128	23622	3.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11067	4.389	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

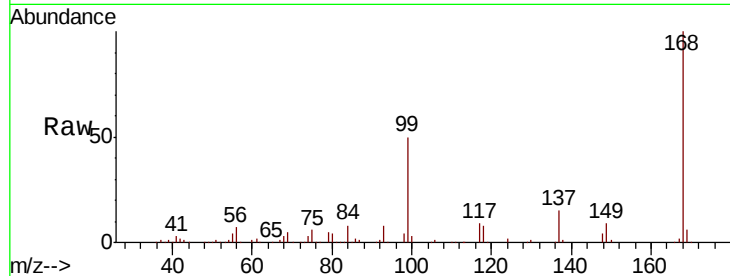
VSTDIC005

Tot Ion:168 Resp: 333291

Ion Ratio Lower Upper

168 100

99 49.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

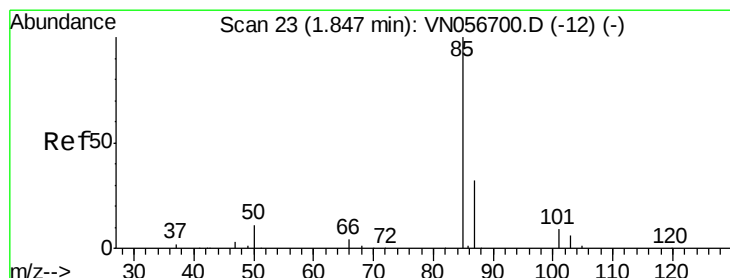
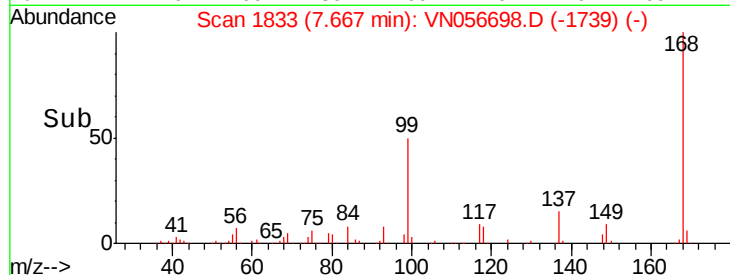
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.812 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056698.D

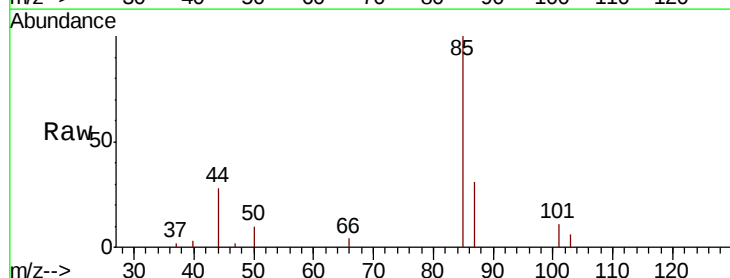
Acq: 15 Jul 2019 9:10

Tgt Ion: 85 Resp: 16482

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

12000

10000

8000

6000

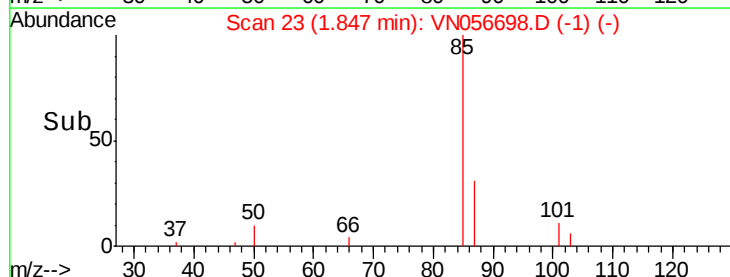
4000

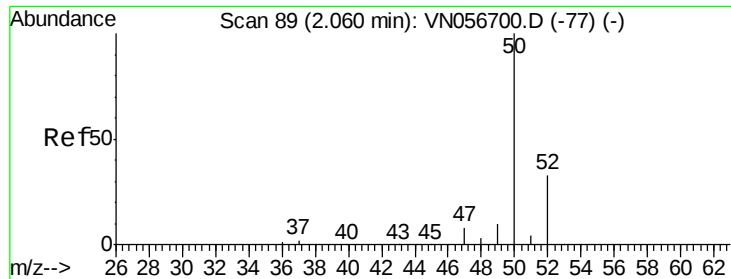
2000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.422 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

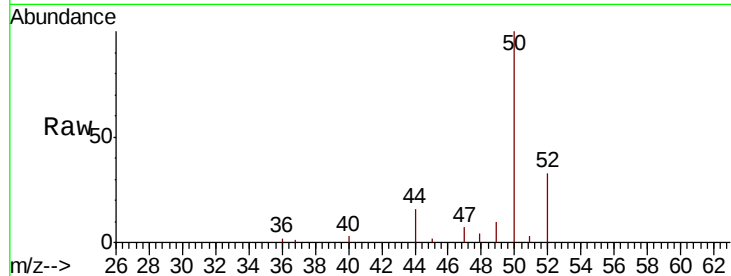
VSTDIC005

Tot Ion: 50 Resp: 21001

Ion Ratio Lower Upper

50 100

52 33.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

15000

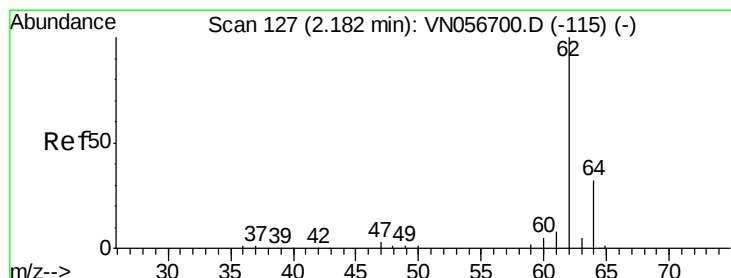
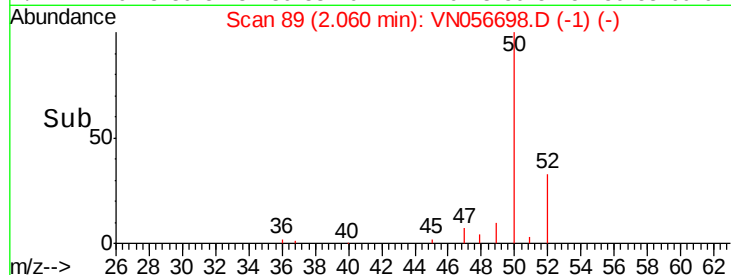
10000

5000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 5.394 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056698.D

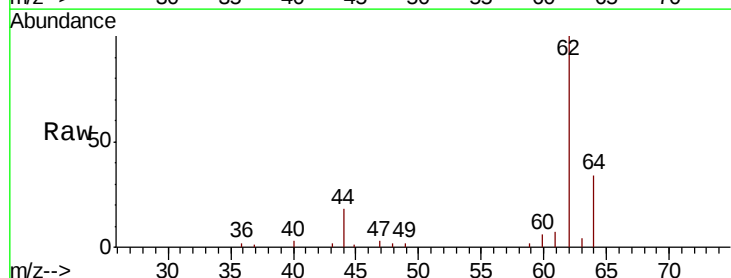
Acq: 15 Jul 2019 9:10

Tgt Ion: 62 Resp: 20164

Ion Ratio Lower Upper

62 100

64 33.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

15000

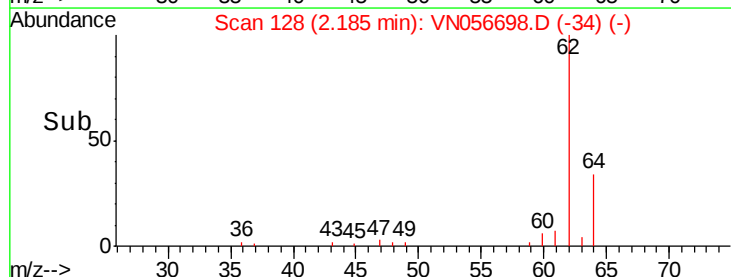
10000

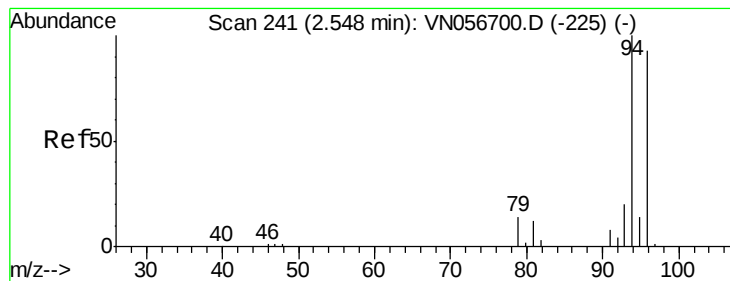
5000

0

2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 5.918 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

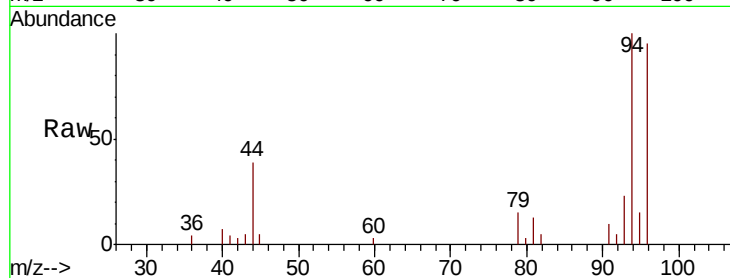
VSTDIC005

Tot Ion: 94 Resp: 12867

Ion Ratio Lower Upper

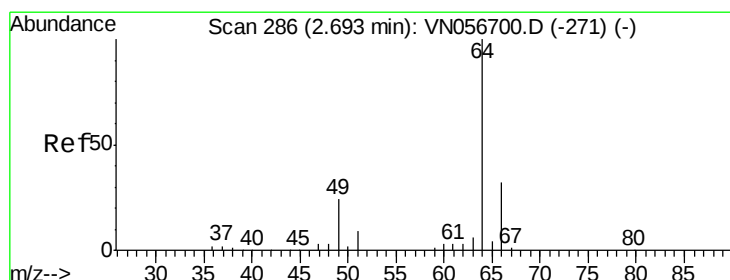
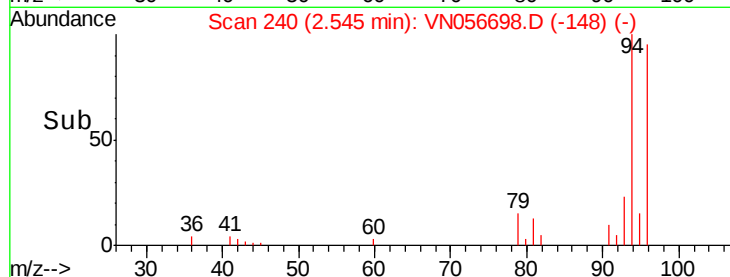
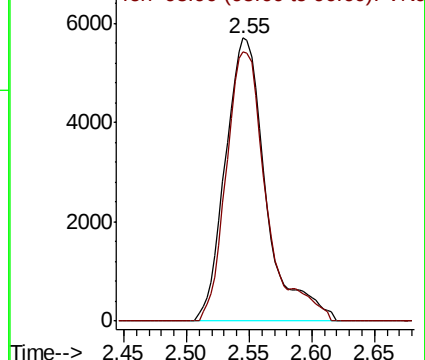
94 100

96 95.1 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.681 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056698.D

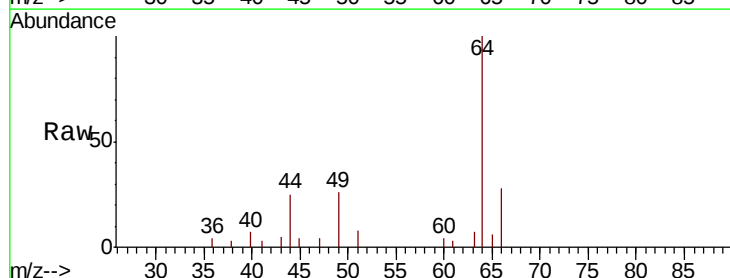
Acq: 15 Jul 2019 9:10

Tgt Ion: 64 Resp: 12249

Ion Ratio Lower Upper

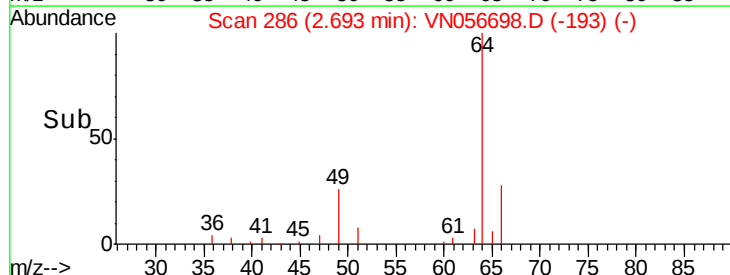
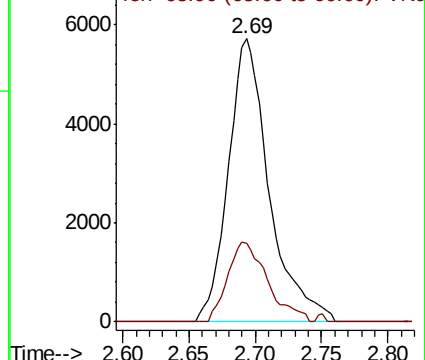
64 100

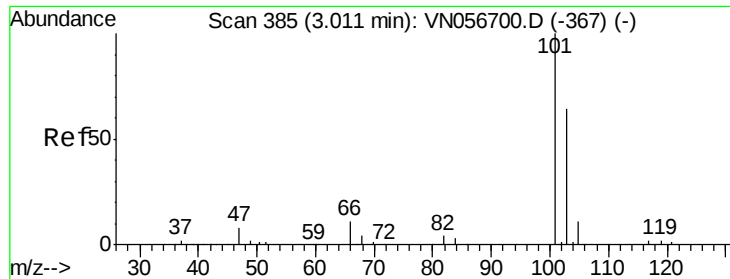
66 27.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



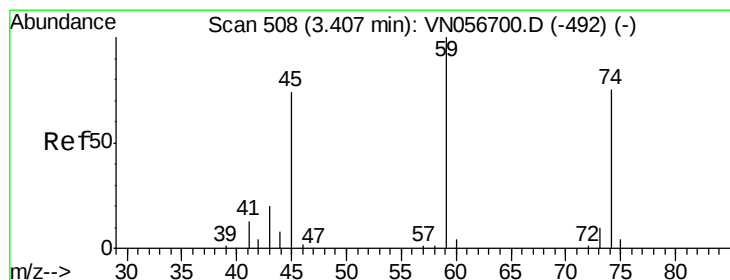
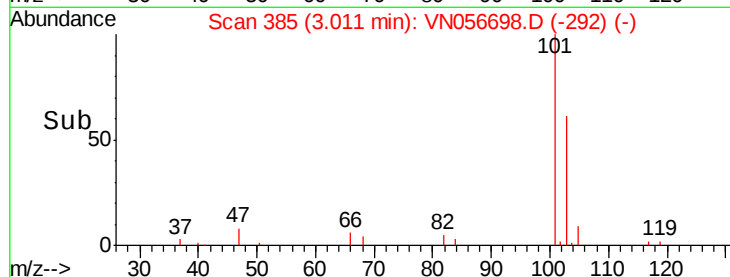
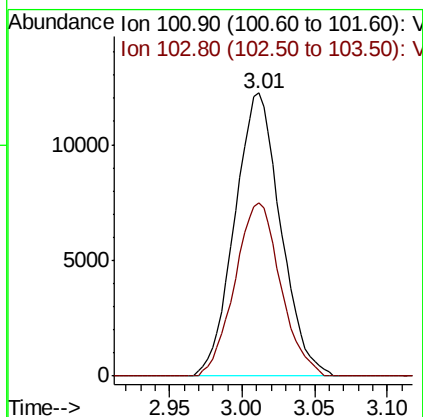
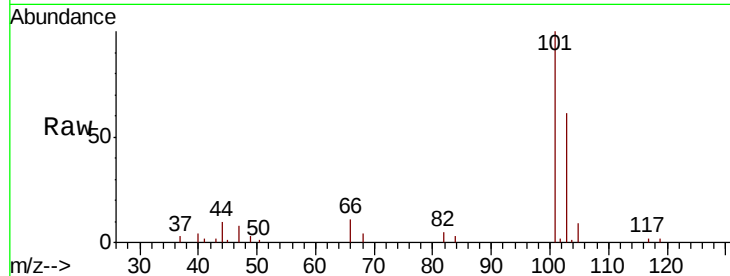


#7

Trichlorofluoromethane
 Concen: 5.581 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

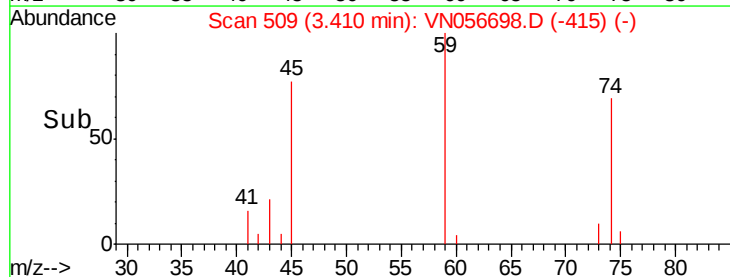
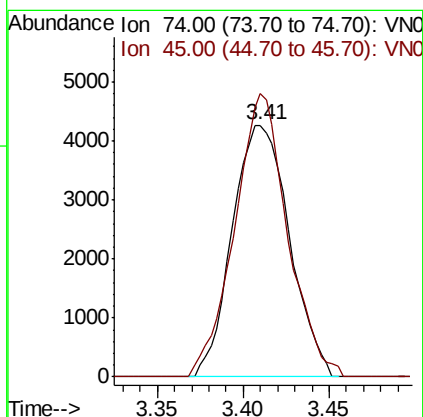
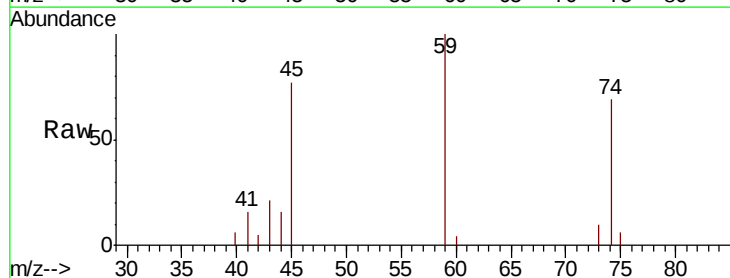
Tot Ion:101 Resp: 26962
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.5 77.3

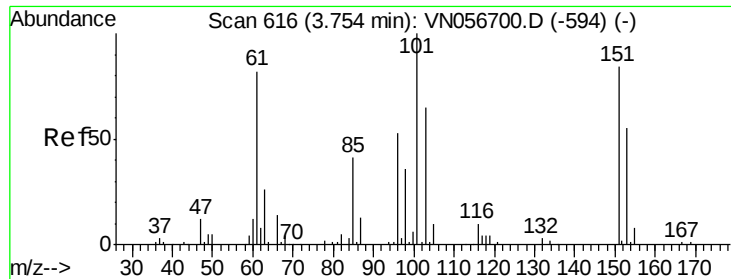


#8

Diethyl Ether
 Concen: 4.846 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 74 Resp: 9862
 Ion Ratio Lower Upper
 74 100
 45 104.0 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.144 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

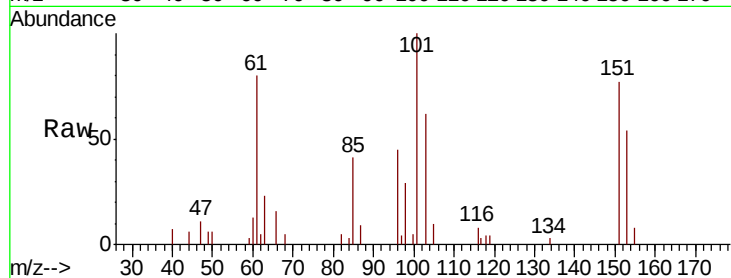
Tot Ion:101 Resp: 15767

Ion Ratio Lower Upper

101 100

85 43.6 33.3 49.9

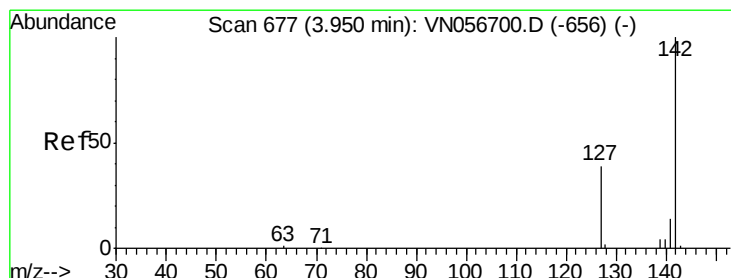
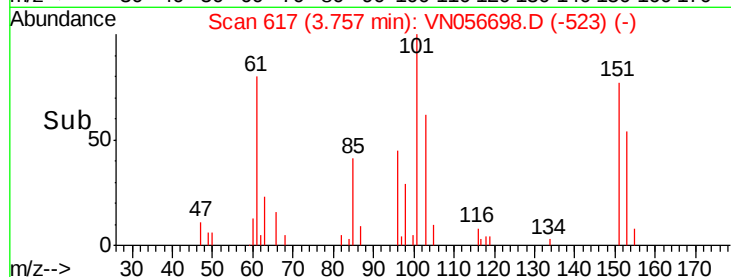
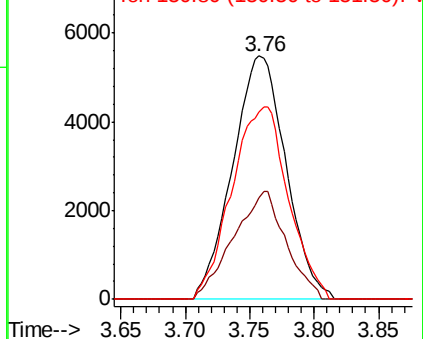
151 84.1 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.359 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

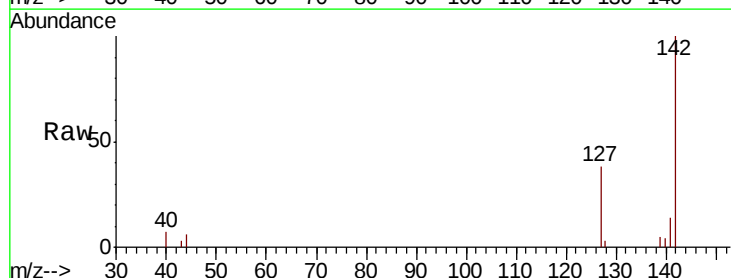
Tgt Ion:142 Resp: 17957

Ion Ratio Lower Upper

142 100

127 37.5 30.7 46.1

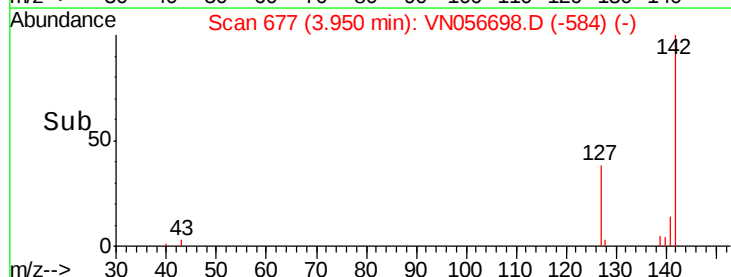
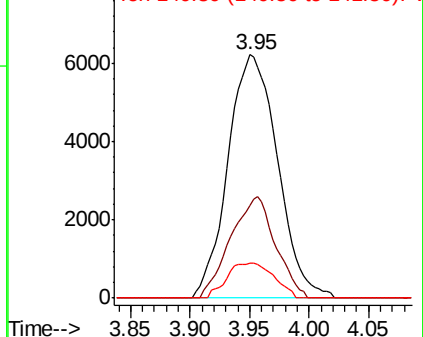
141 13.6 11.3 16.9

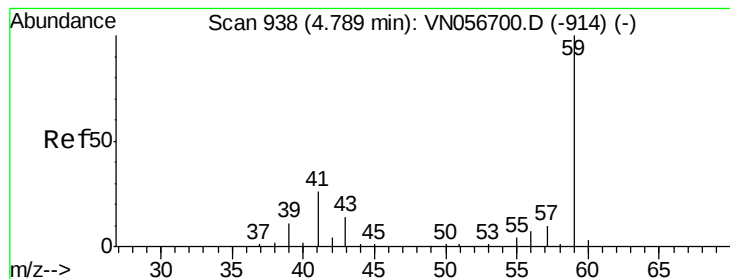


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 22.553 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

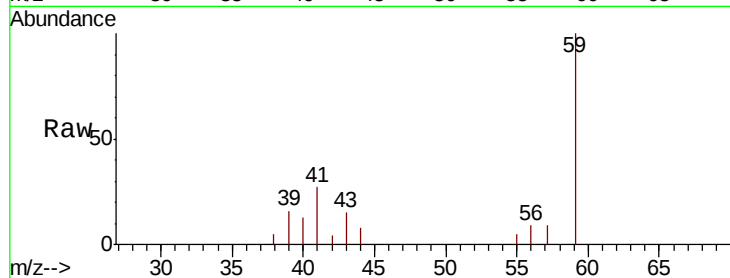
VSTDIC005

Tot Ion: 59 Resp: 13964

Ion Ratio Lower Upper

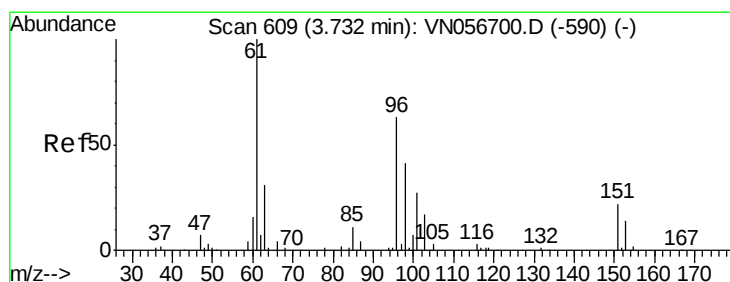
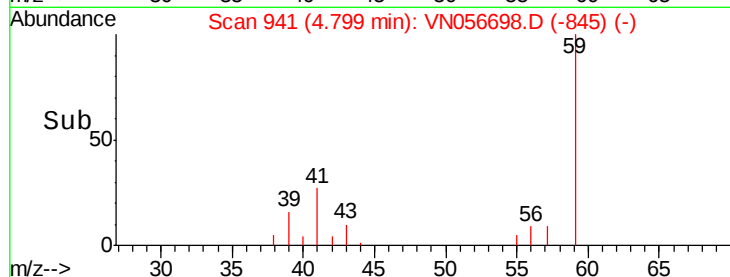
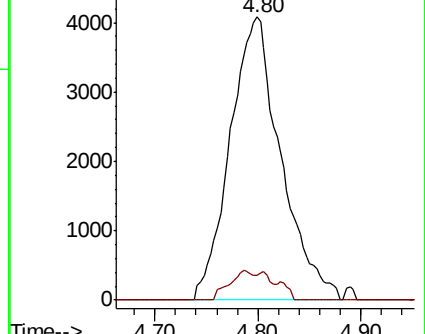
59 100

57 4.9 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 5.239 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

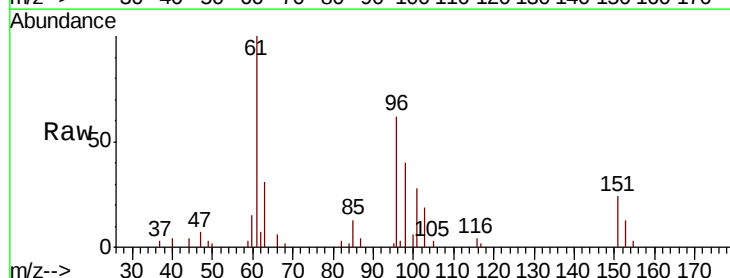
Tgt Ion: 96 Resp: 15482

Ion Ratio Lower Upper

96 100

61 160.2 126.6 189.8

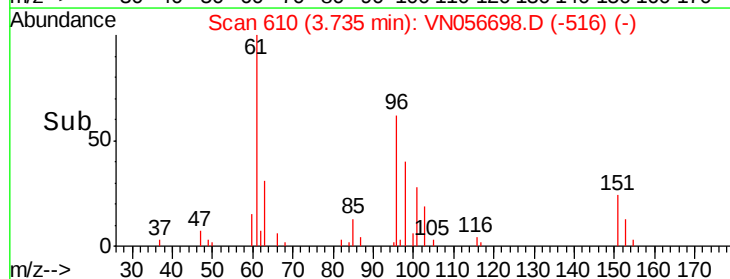
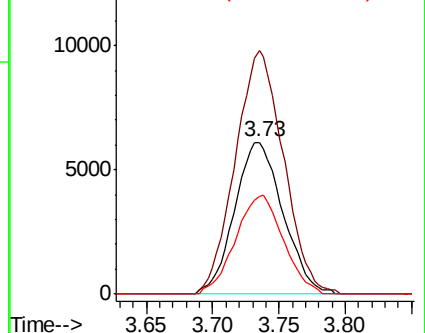
98 64.1 51.4 77.2

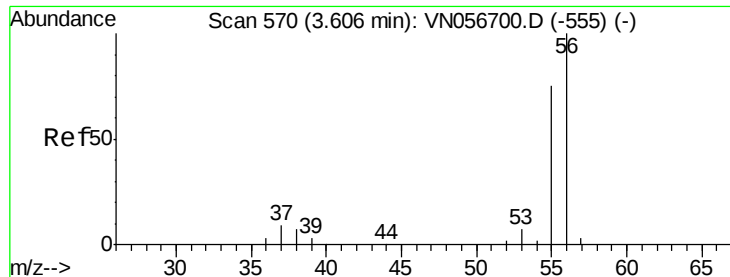


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 16.593 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

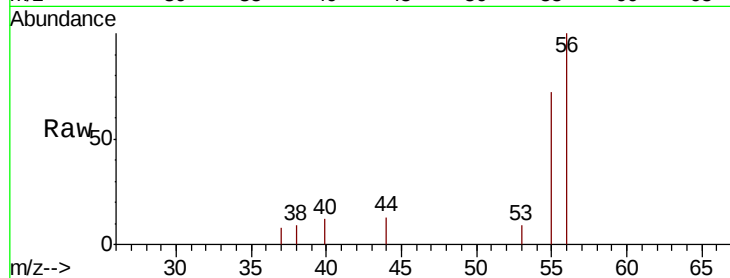
VSTDIC005

Tot Ion: 56 Resp: 7611

Ion Ratio Lower Upper

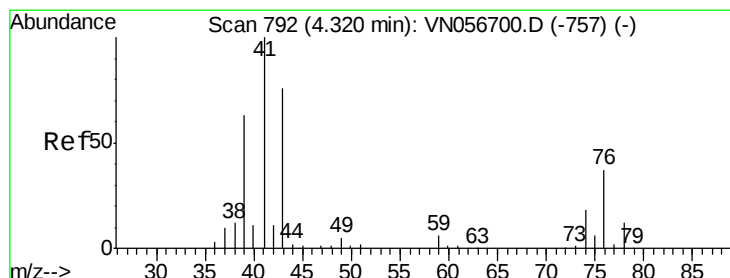
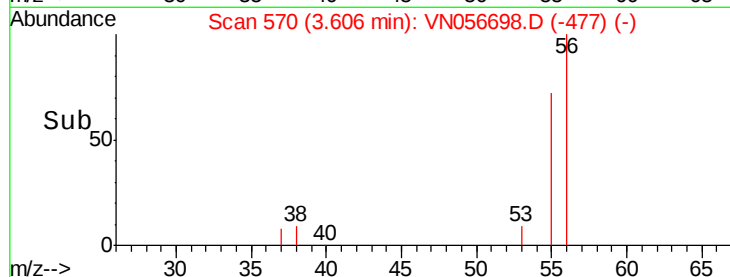
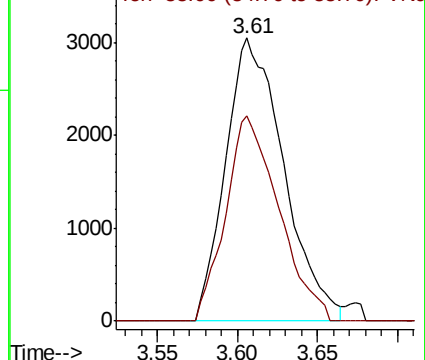
56 100

55 66.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.221 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

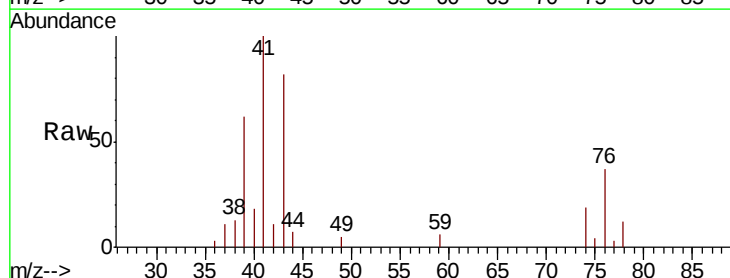
Tgt Ion: 41 Resp: 25888

Ion Ratio Lower Upper

41 100

39 58.3 46.9 70.3

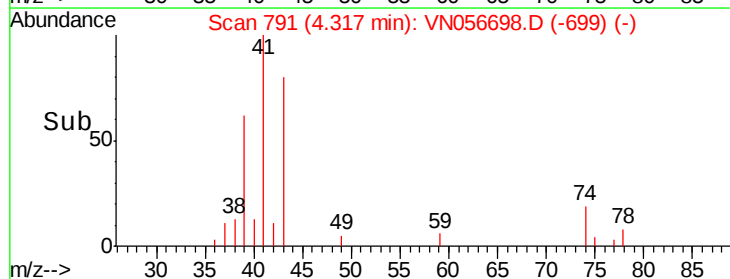
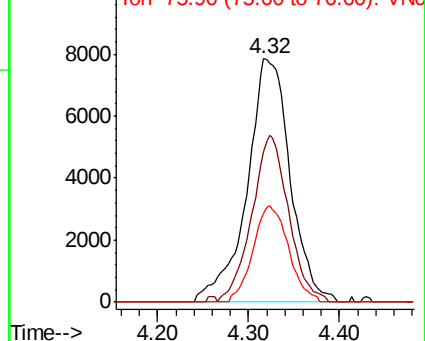
76 32.6 26.5 39.7

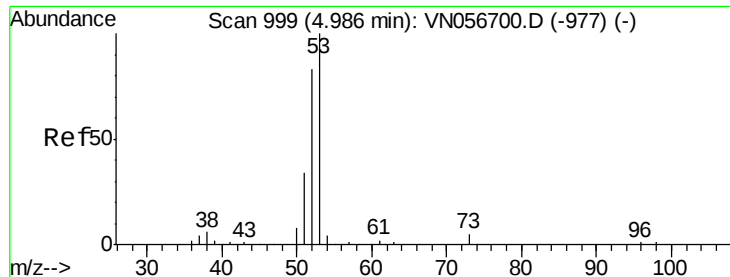


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.284 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

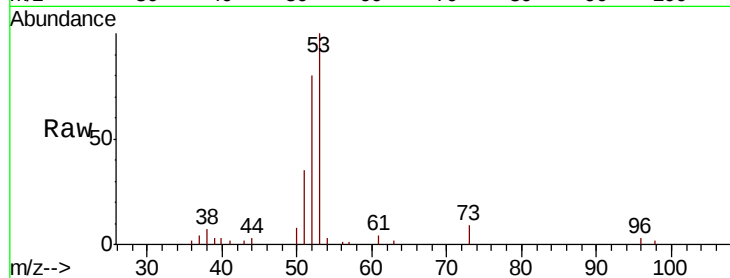
Tot Ion: 53 Resp: 41988

Ion Ratio Lower Upper

53 100

52 81.1 66.6 99.8

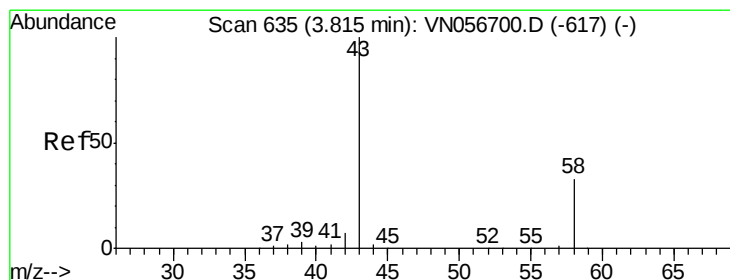
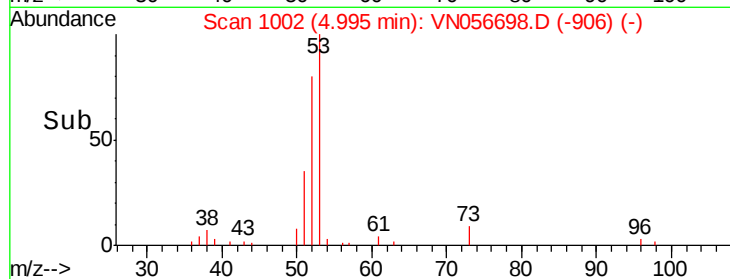
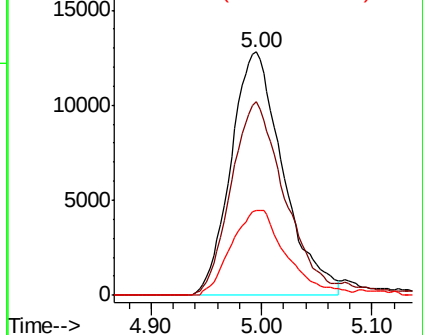
51 36.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056698.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056698.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056698.D (-906) (-)



#16

Acetone

Concen: 22.447 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056698.D

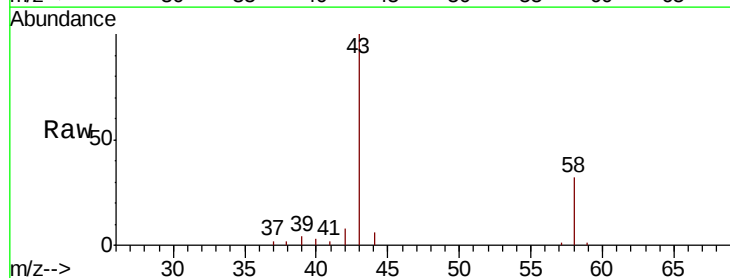
Acq: 15 Jul 2019 9:10

Tgt Ion: 43 Resp: 40908

Ion Ratio Lower Upper

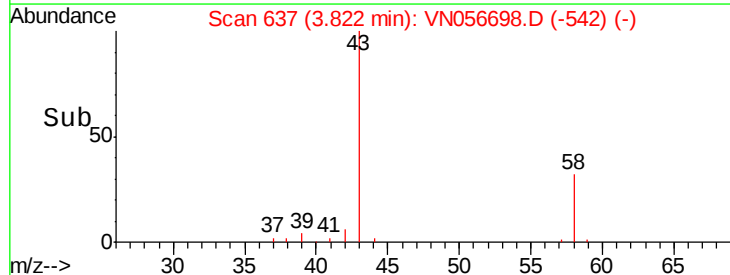
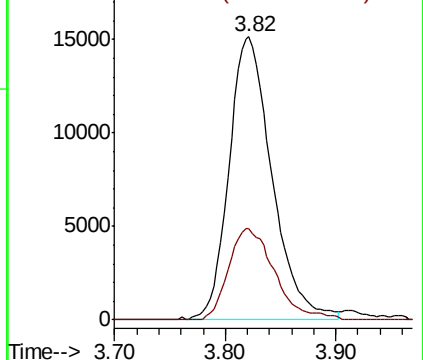
43 100

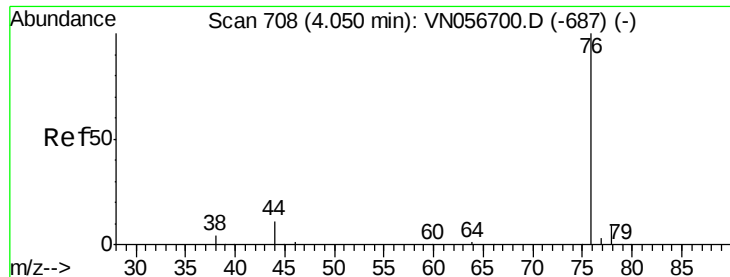
58 32.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056698.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056698.D (-542) (-)





#17

Carbon Disulfide

Concen: 5.654 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

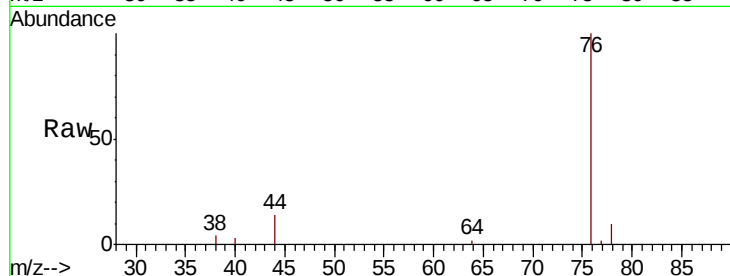
VSTDIC005

Tot Ion: 76 Resp: 38988

Ion Ratio Lower Upper

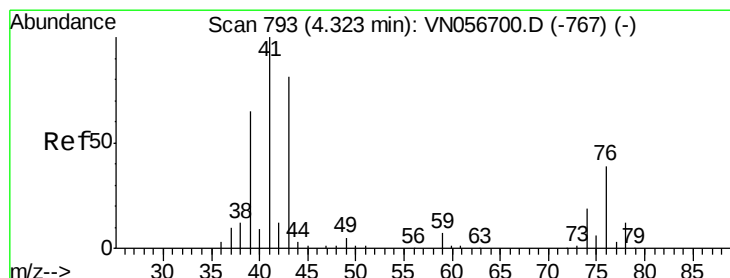
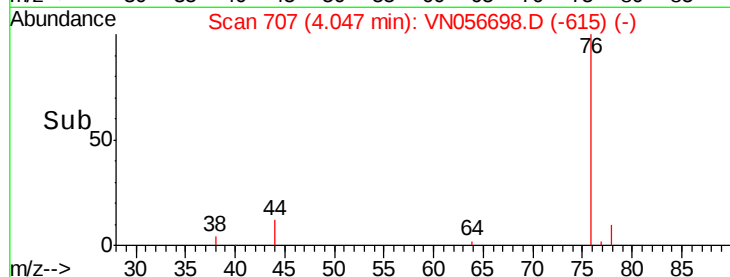
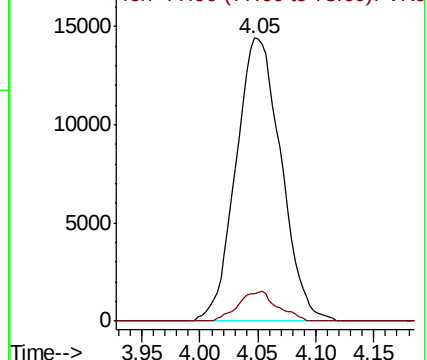
76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.458 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056698.D

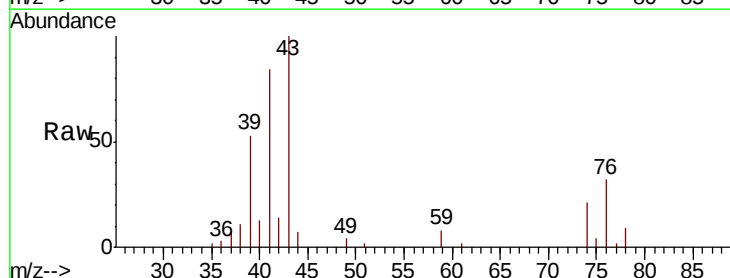
Acq: 15 Jul 2019 9:10

Tgt Ion: 43 Resp: 25488

Ion Ratio Lower Upper

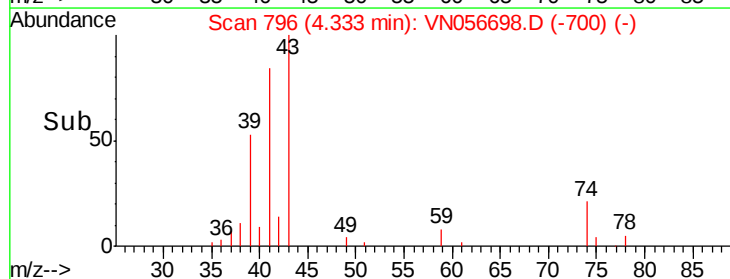
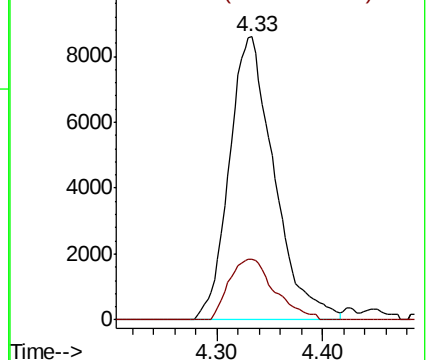
43 100

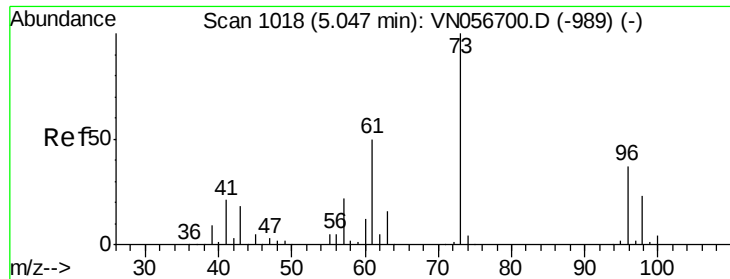
74 21.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

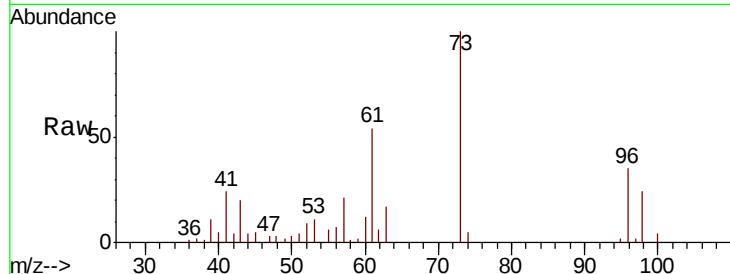




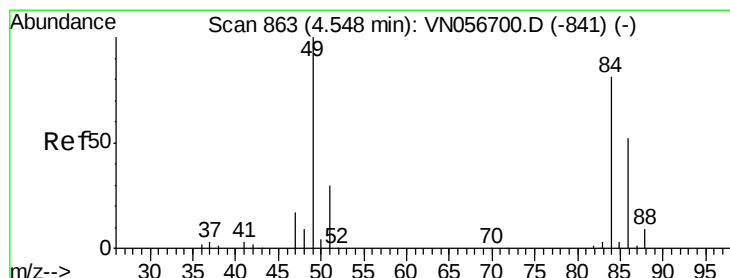
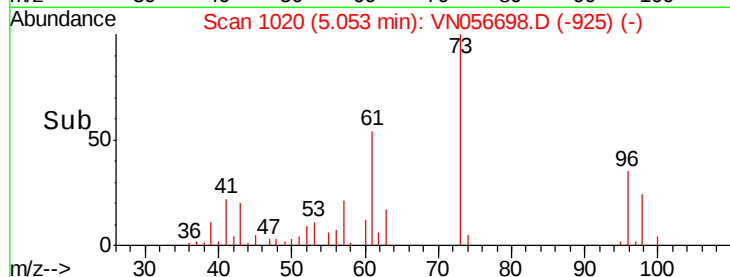
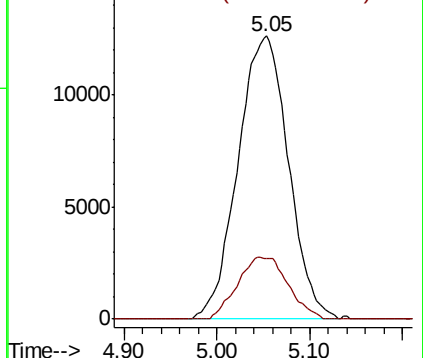
#19
Methyl tert-butyl Ether
Concen: 4.895 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 47748
Ion Ratio Lower Upper
73 100
57 21.3 17.9 26.9

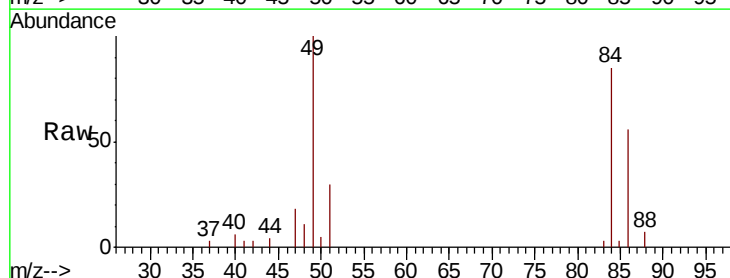


Abundance Ion 73.00 (72.70 to 73.70): VN056700.D (-989) (-)
Ion 57.00 (56.70 to 57.70): VN056700.D (-989) (-)

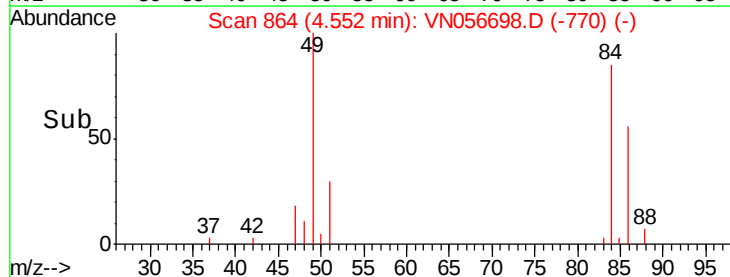
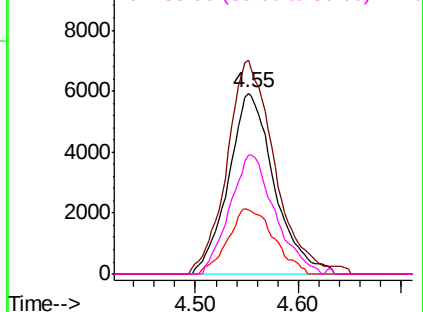


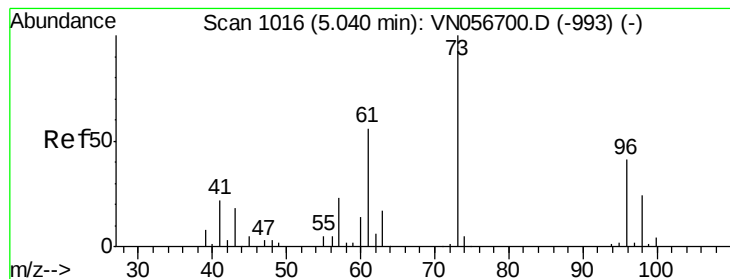
#20
Methylene Chloride
Concen: 4.818 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 84 Resp: 18342
Ion Ratio Lower Upper
84 100
49 118.0 98.2 147.4
51 35.7 29.6 44.4
86 65.7 51.0 76.4



Abundance Ion 83.90 (83.60 to 84.60): VN056700.D (-841) (-)
Ion 48.90 (48.60 to 49.60): VN056700.D (-841) (-)
Ion 50.90 (50.60 to 51.60): VN056700.D (-841) (-)
Ion 85.90 (85.60 to 86.60): VN056700.D (-841) (-)





#21

trans-1,2-Dichloroethene

Concen: 5.187 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

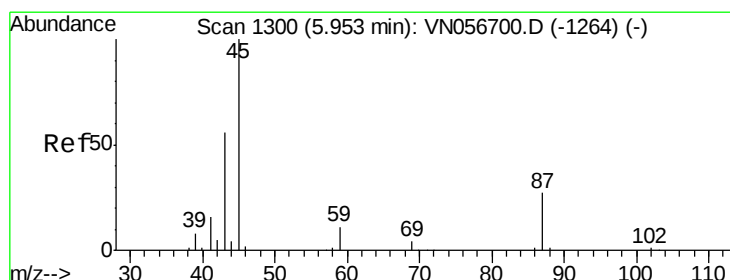
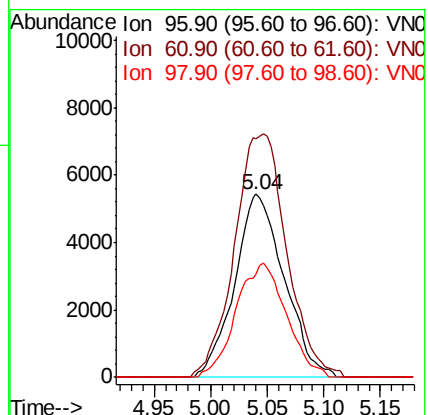
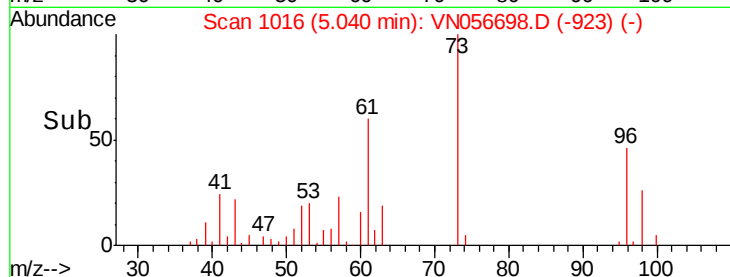
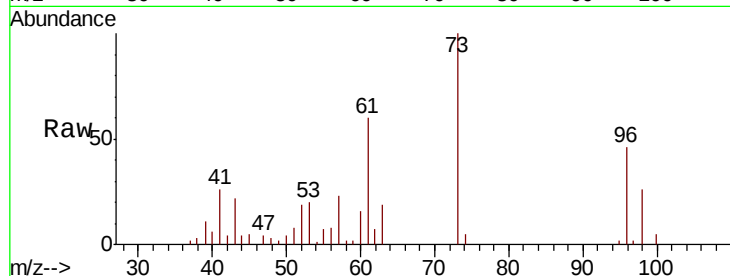
Tot Ion: 96 Resp: 16551

Ion Ratio Lower Upper

96 100

61 130.0 109.4 164.2

98 56.3 48.0 72.0



#22

Diisopropyl ether

Concen: 5.030 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion: 45 Resp: 52117

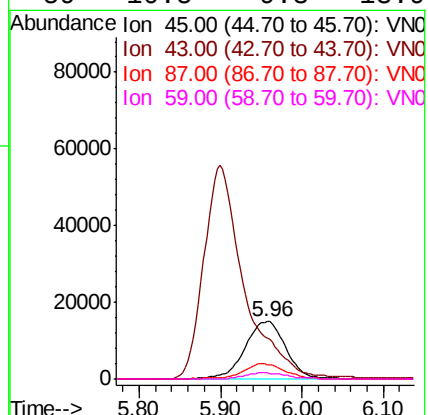
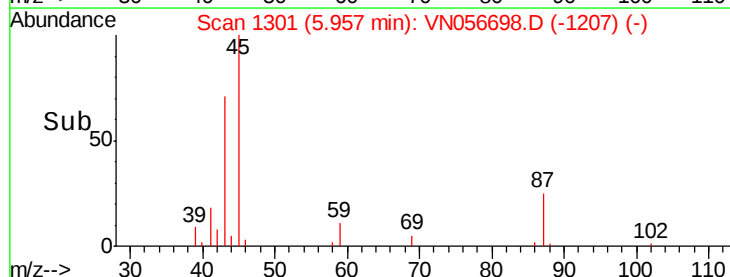
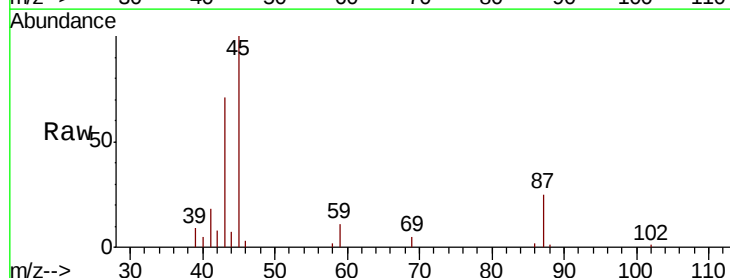
Ion Ratio Lower Upper

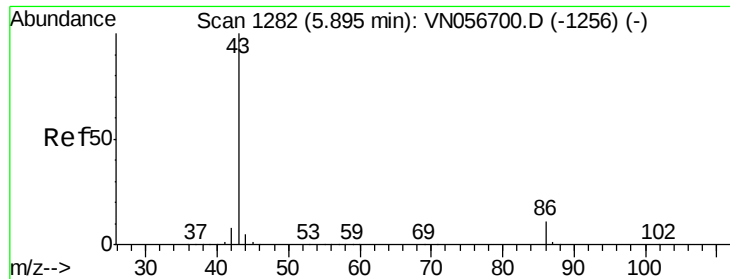
45 100

43 66.7 45.6 68.4

87 25.2 22.0 33.0

59 10.5 9.3 13.9





#23

Vinyl Acetate

Concen: 23.642 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

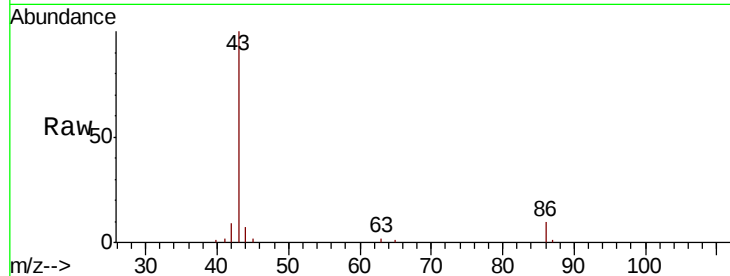
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 193321

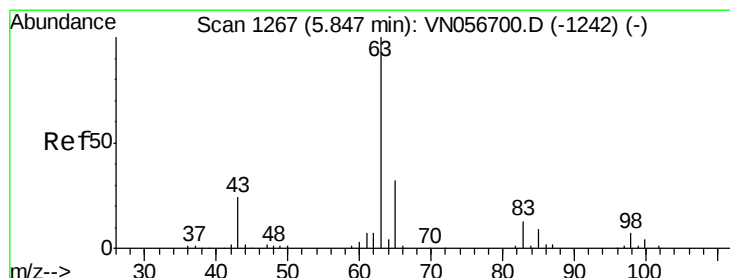
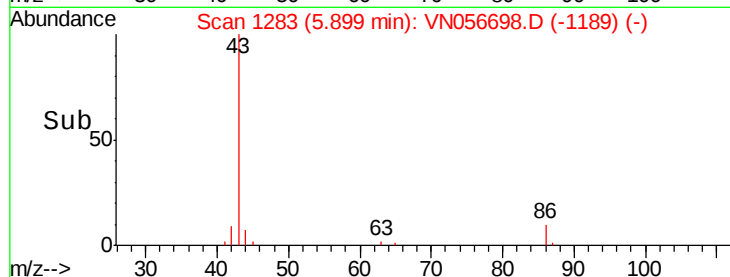
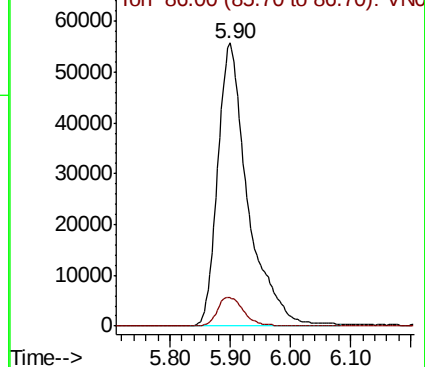
Ion Ratio Lower Upper

43 100

86 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056698.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 5.162 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

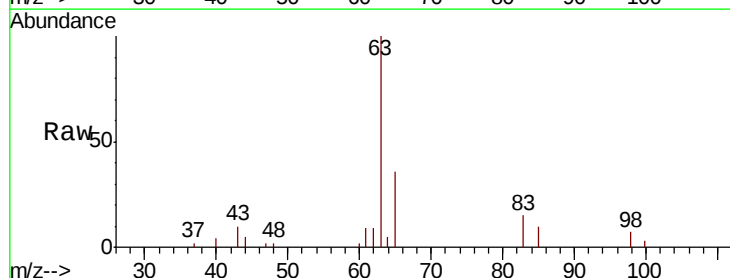
Tgt Ion: 63 Resp: 30661

Ion Ratio Lower Upper

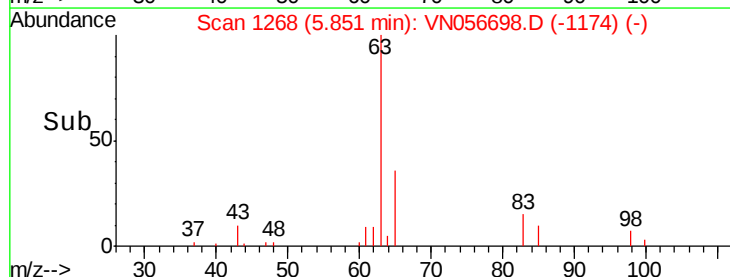
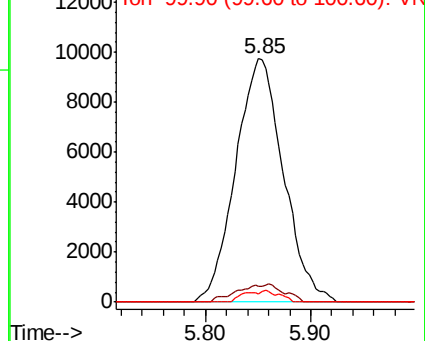
63 100

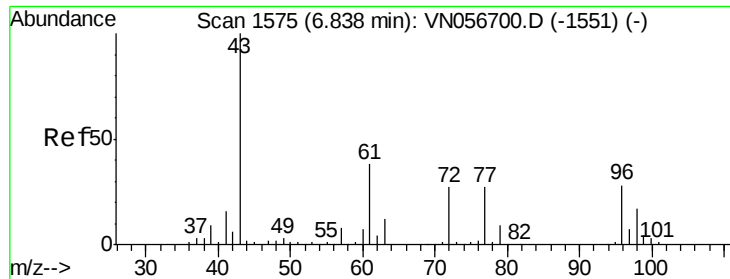
98 6.6 3.3 9.9

100 3.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN056698.D (-1174) (-)





#25

2-Butanone

Concen: 24.811 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

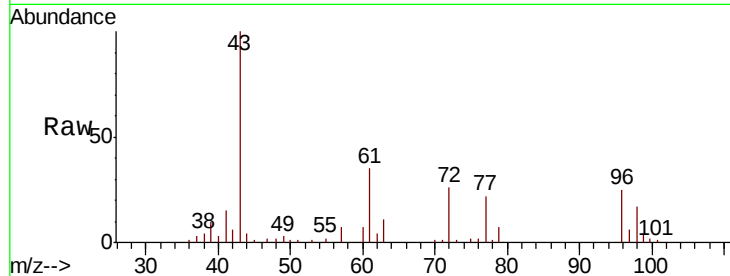
VSTDIC005

Tot Ion: 43 Resp: 60663

Ion Ratio Lower Upper

43 100

72 25.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN056700.D (-1551) (-)

6.84

25000

20000

15000

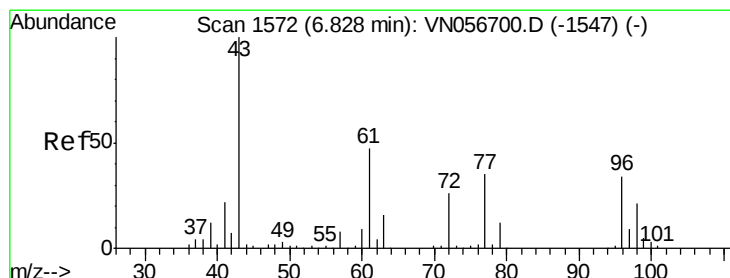
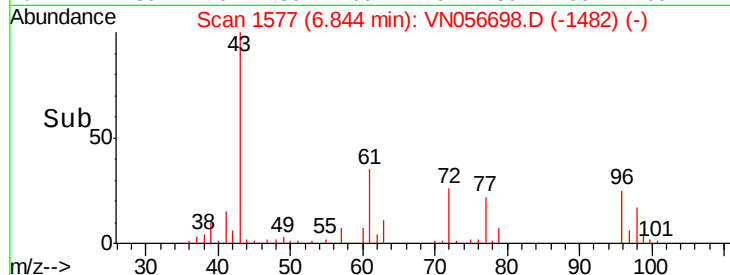
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 5.226 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056698.D

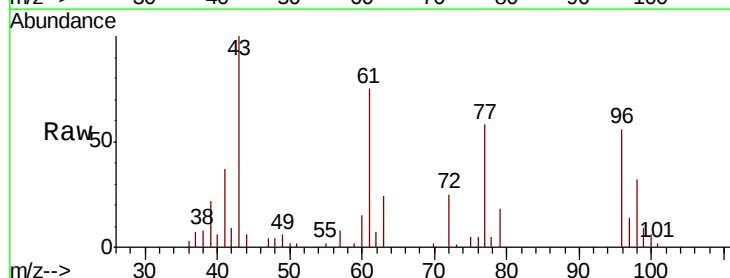
Acq: 15 Jul 2019 9:10

Tgt Ion: 77 Resp: 21777

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN056700.D (-1547) (-)

Ion 96.90 (96.60 to 97.60): VN056700.D (-1547) (-)

6.82

6000

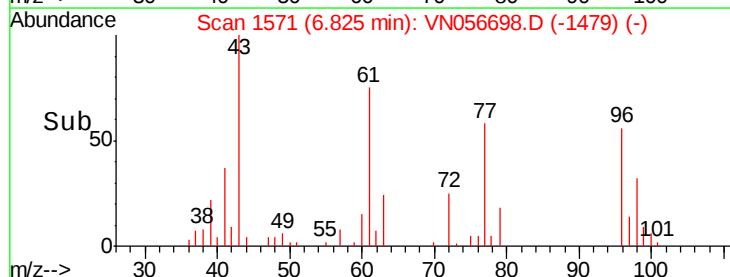
4000

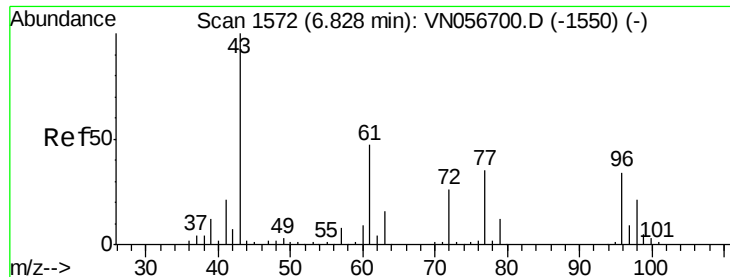
2000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 5.146 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

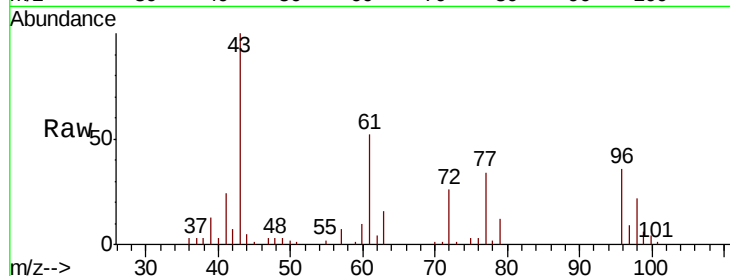
Tot Ion: 96 Resp: 19152

Ion Ratio Lower Upper

96 100

61 143.5 0.0 281.4

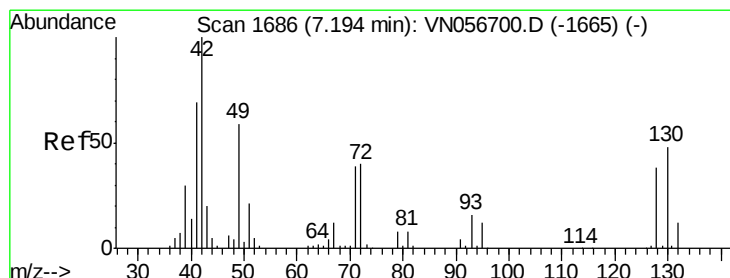
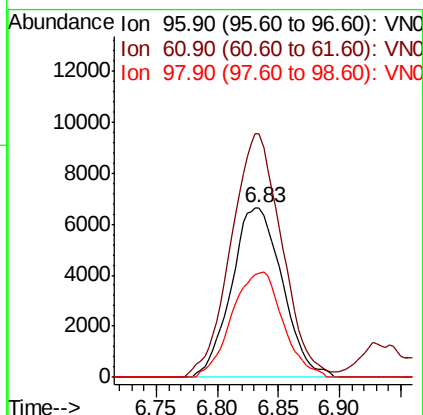
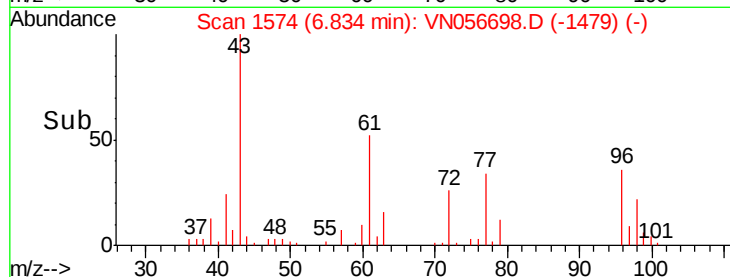
98 62.3 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.124 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

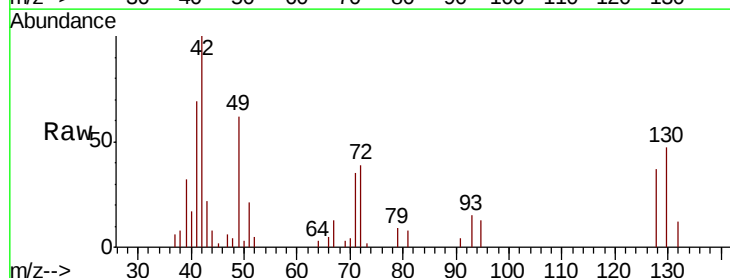
Tgt Ion: 49 Resp: 14934

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

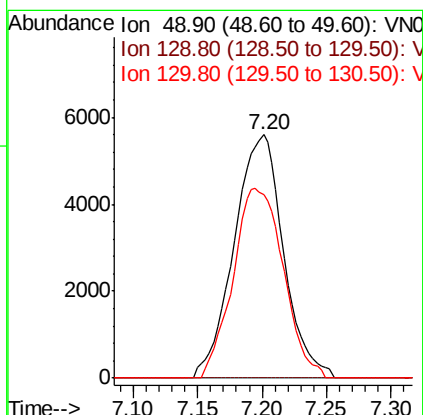
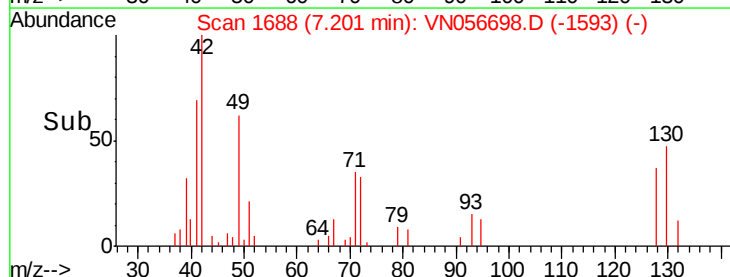
130 79.5 64.7 97.1

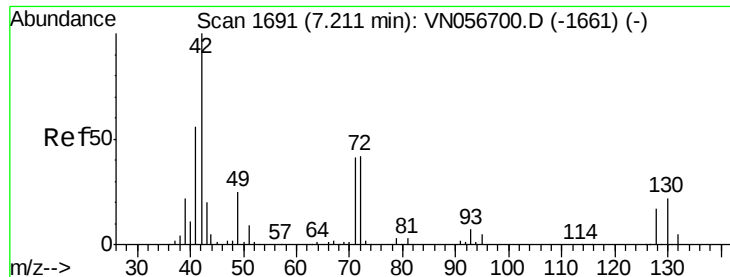


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

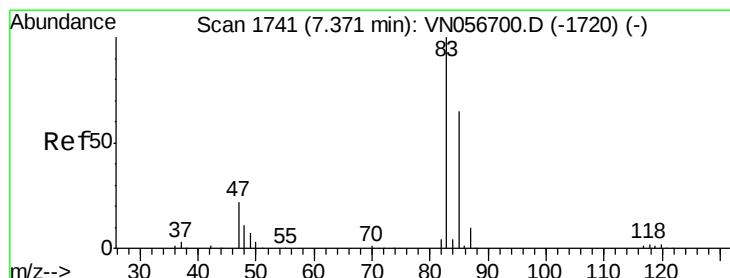
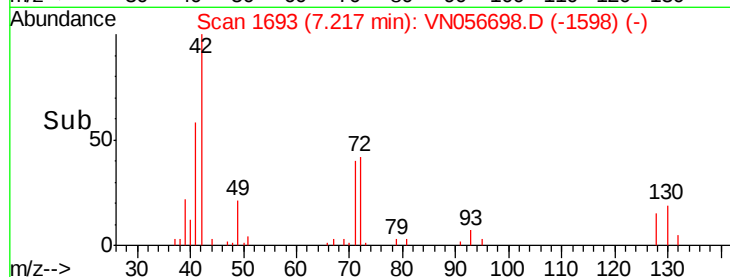
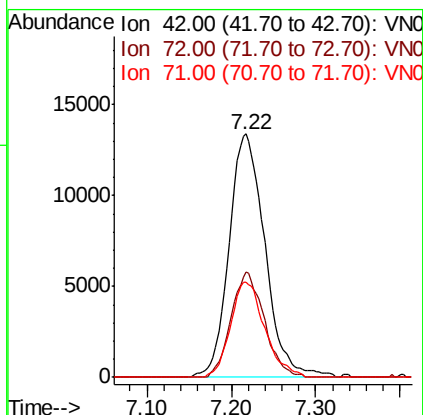
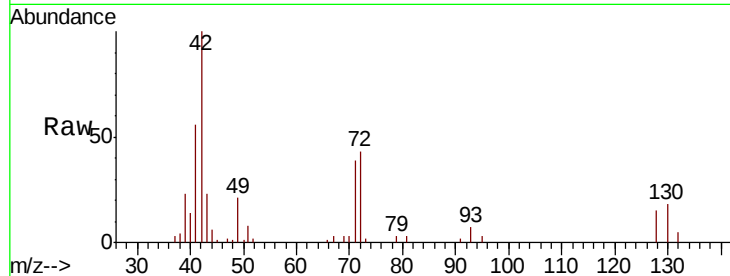




#29
Tetrahydrofuran
Concen: 26.138 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

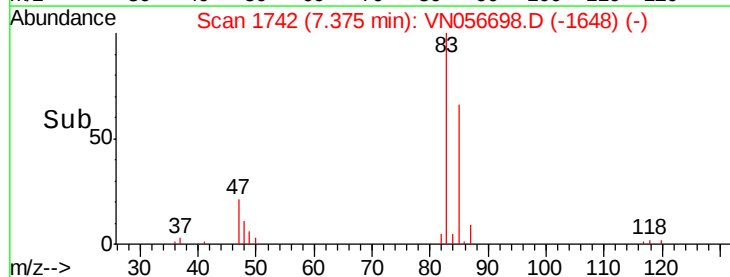
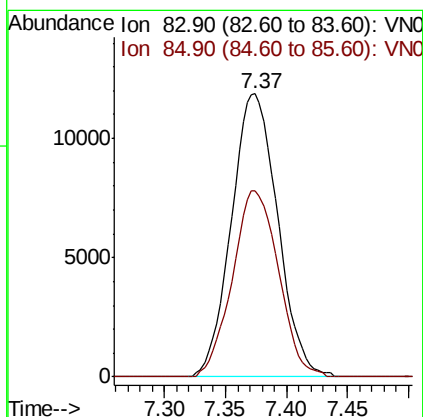
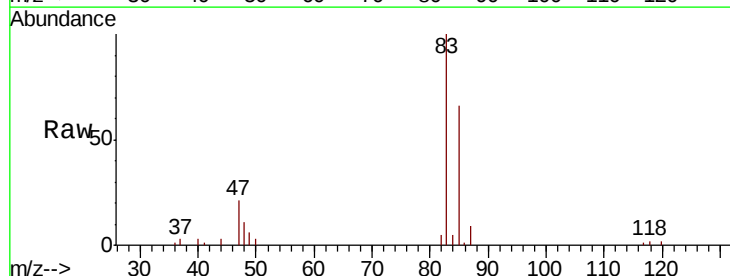
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

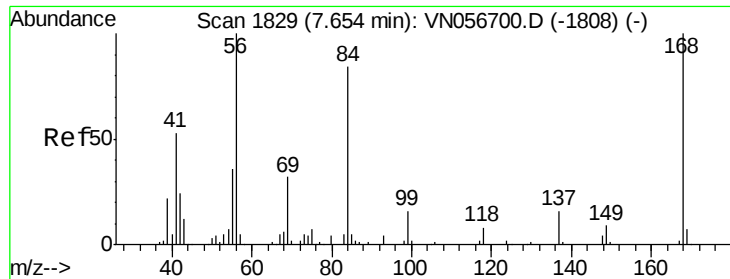
Tot Ion: 42 Resp: 39632
Ion Ratio Lower Upper
42 100
72 40.0 33.5 50.3
71 37.3 31.8 47.8



#30
Chloroform
Concen: 5.344 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 83 Resp: 31264
Ion Ratio Lower Upper
83 100
85 65.8 51.9 77.9

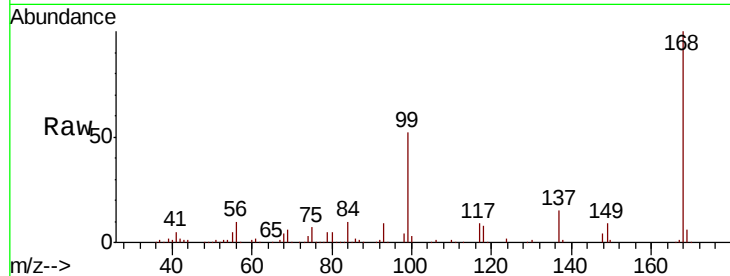




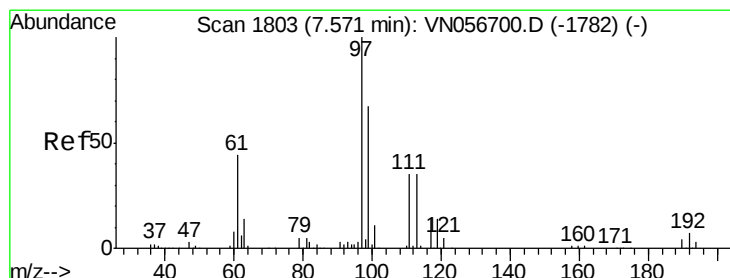
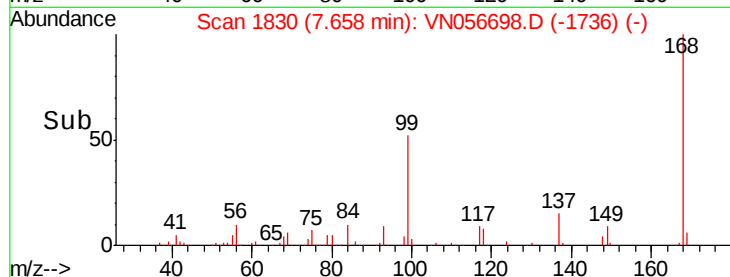
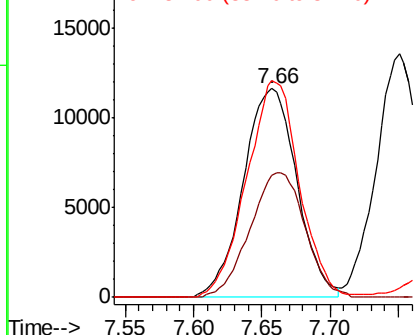
#31
Cyclohexane
Concen: 5.512 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 31781
Ion Ratio Lower Upper
56 100
69 58.2 25.8 38.8#
84 103.7 67.4 101.0#

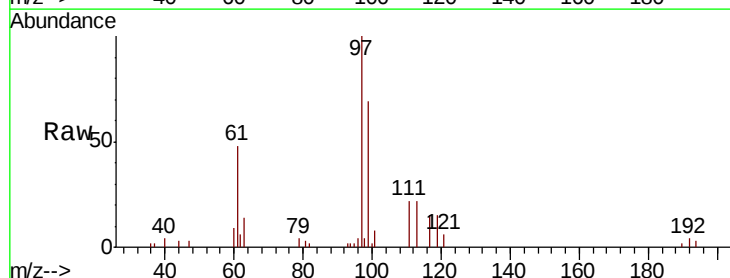


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

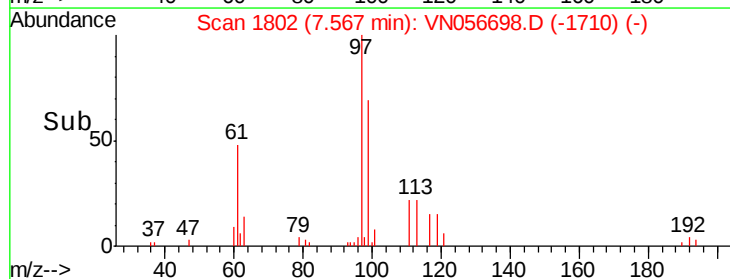
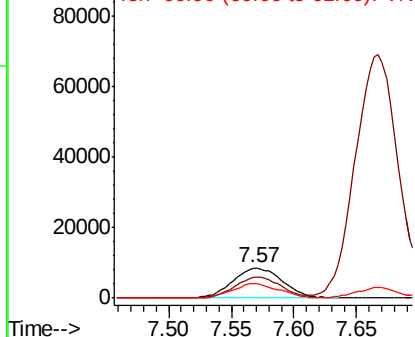


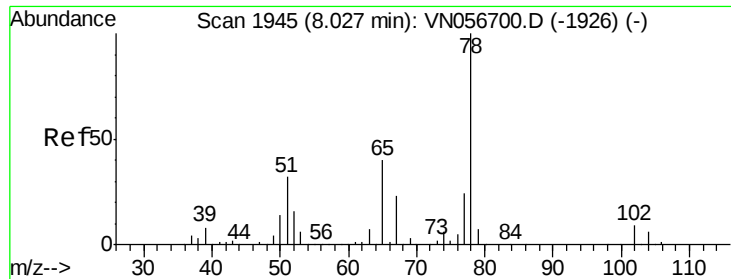
#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 97 Resp: 23272
Ion Ratio Lower Upper
97 100
99 67.4 52.0 78.0
61 45.2 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

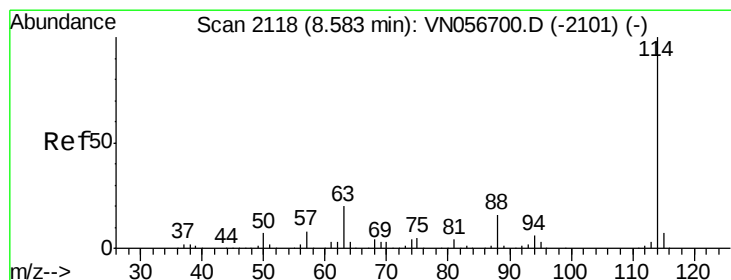
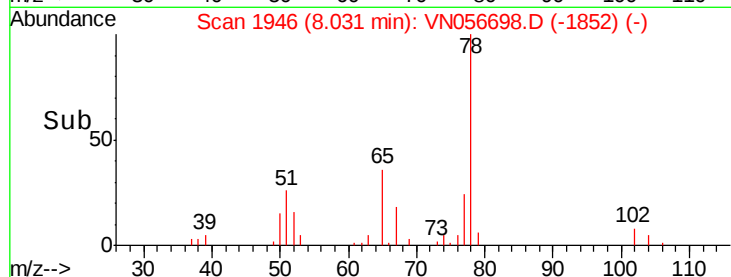
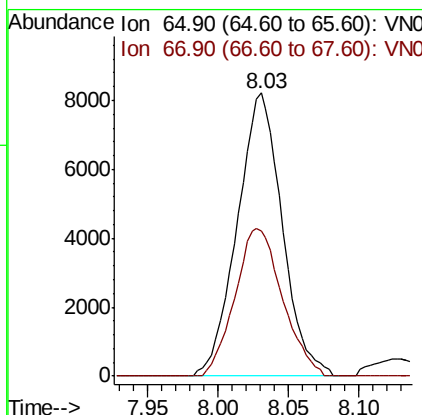
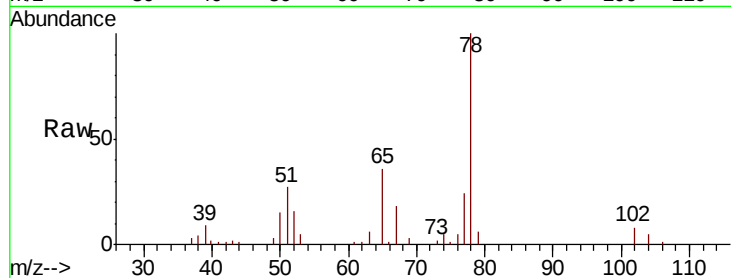




#33
 1,2-Dichloroethane-d4
 Concen: 4.975 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

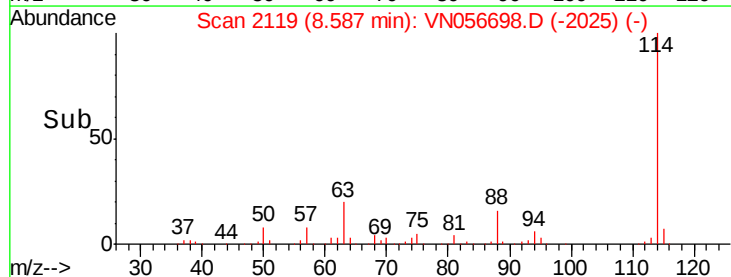
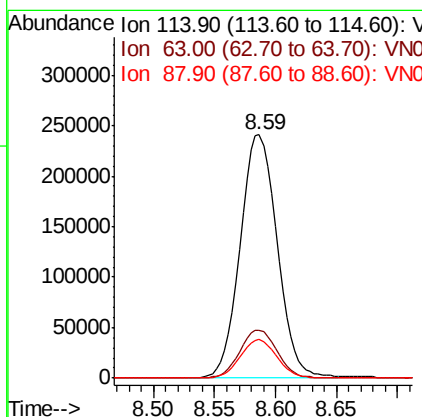
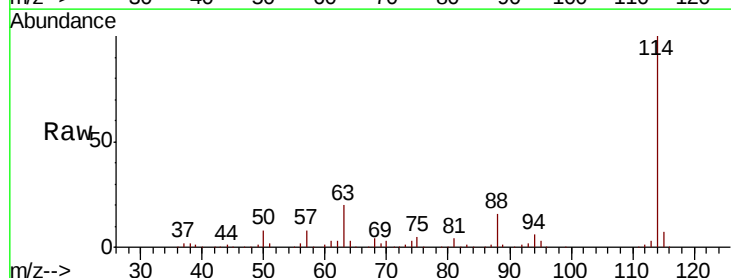
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

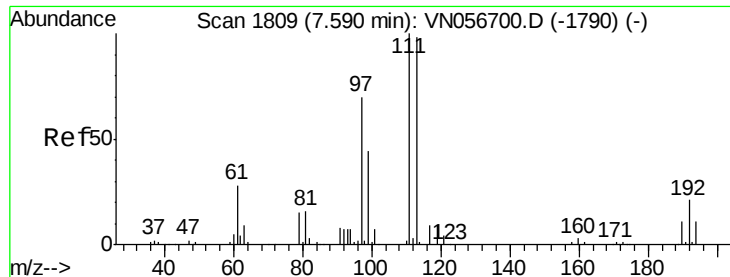
Tot Ion: 65 Resp: 18307
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 114 Resp: 507084
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.7 0.0 31.2

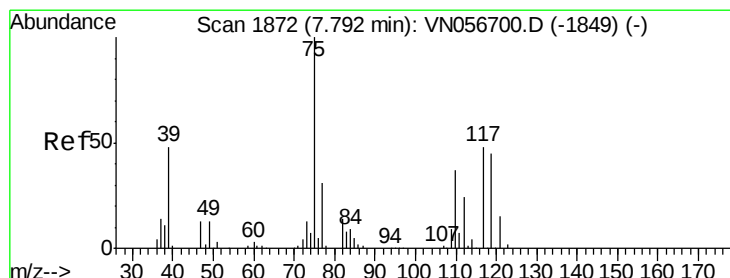
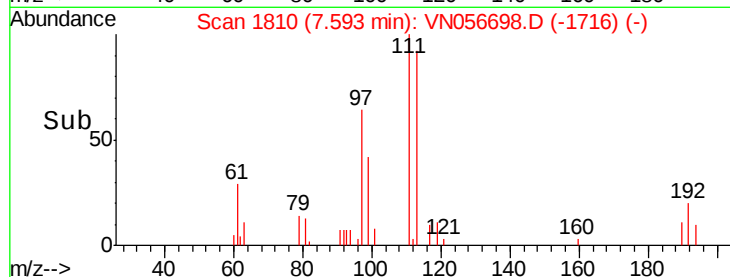
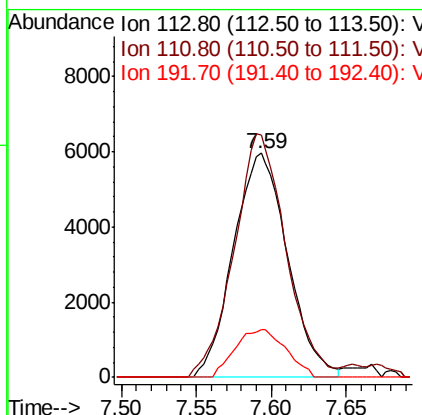
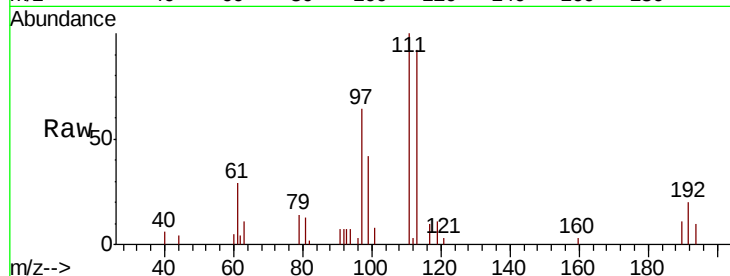




#35
 Dibromofluoromethane
 Concen: 4.773 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

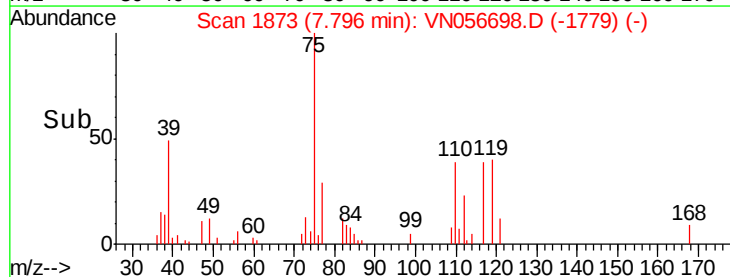
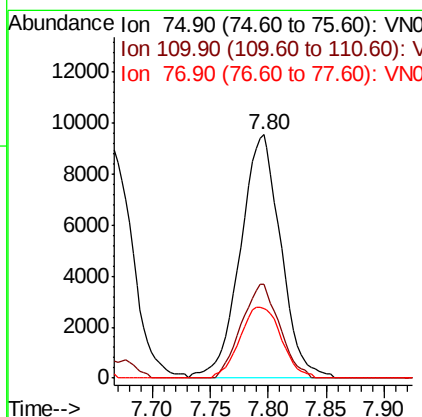
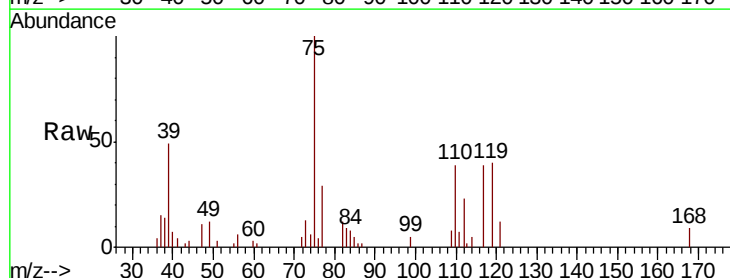
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

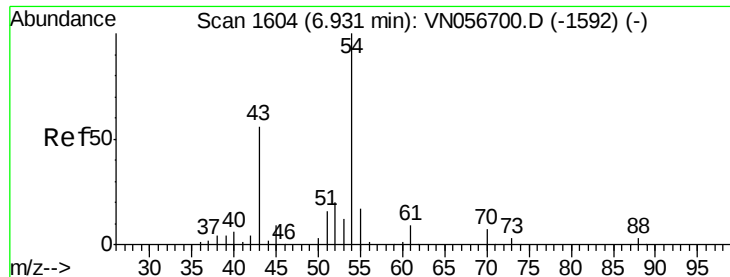
Tot Ion:113 Resp: 15029
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.6
 192 19.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.156 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 75 Resp: 23155
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.4 55.4
 77 29.9 24.6 36.8

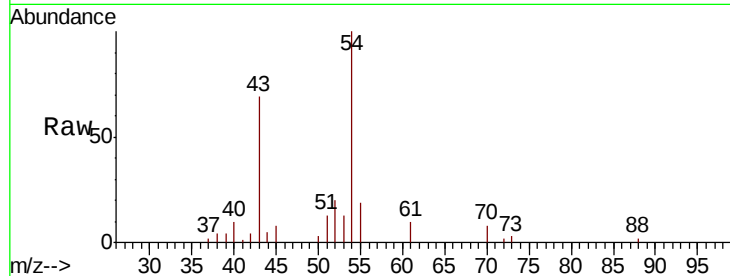




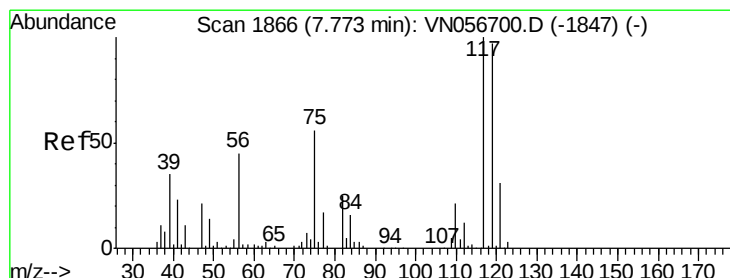
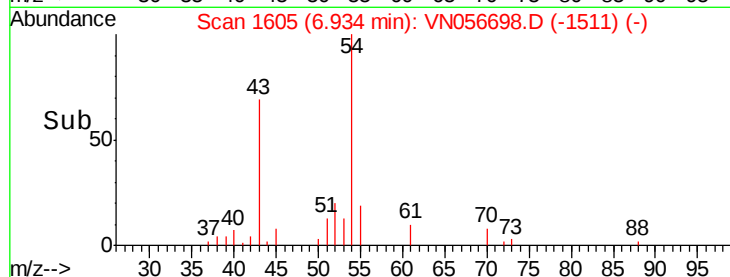
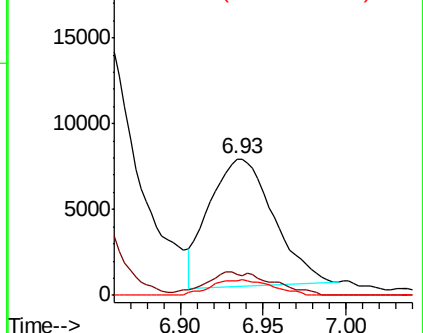
#37
Ethyl Acetate
Concen: 4.539 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20052
Ion Ratio Lower Upper
43 100
61 7.7 11.3 16.9#
70 11.4 8.5 12.7

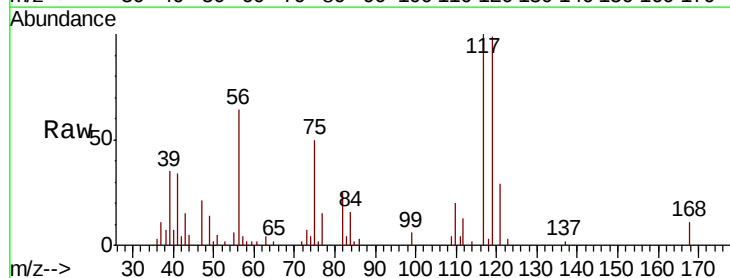


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

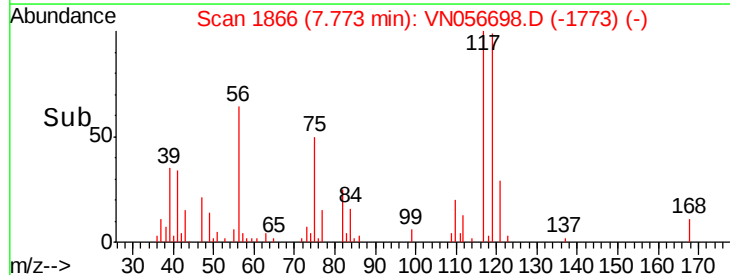
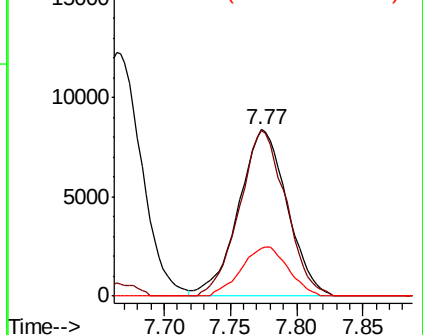


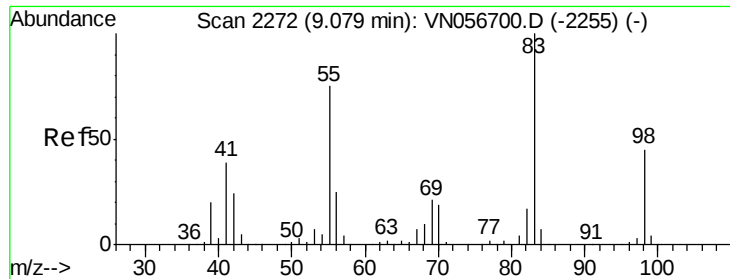
#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 117 Resp: 21448
Ion Ratio Lower Upper
117 100
119 99.3 77.5 116.3
121 29.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

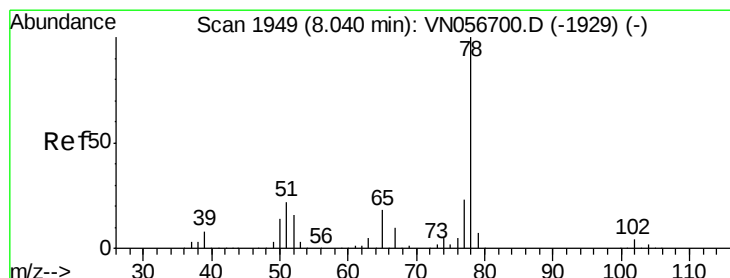
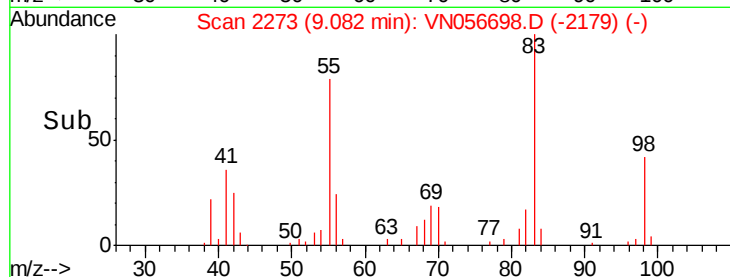
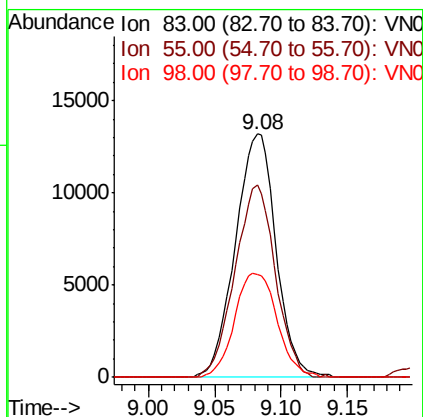
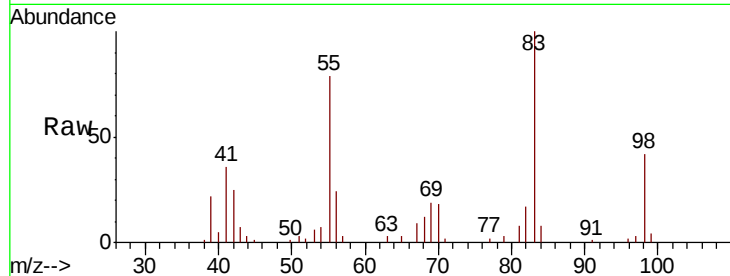




#39
Methvlcvclohexane
Concen: 5.058 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

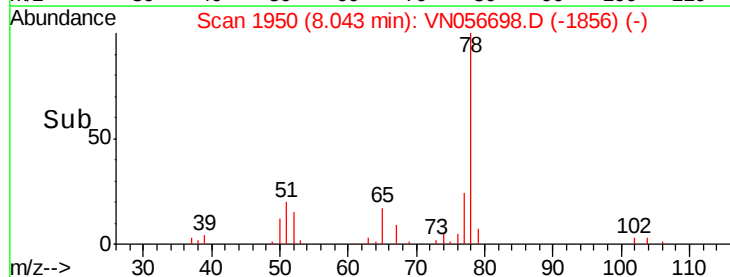
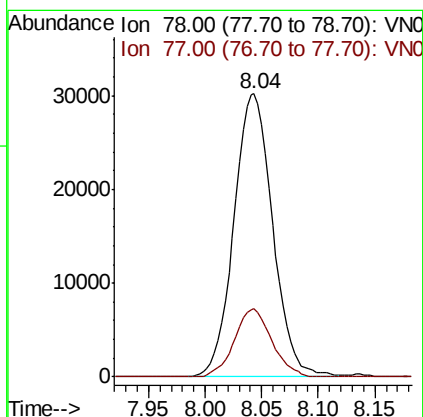
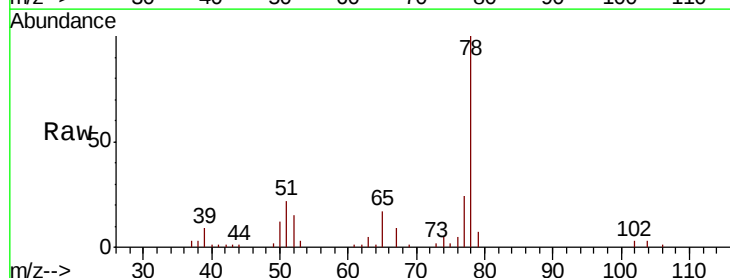
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

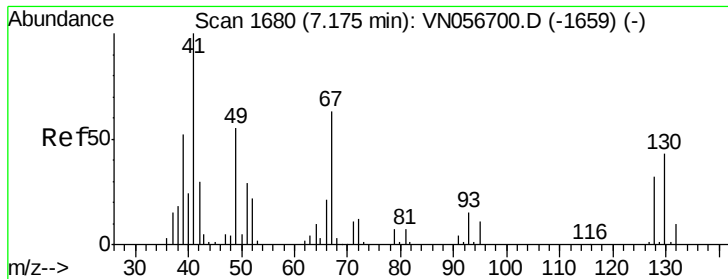
Tot Ion: 83 Resp: 28122
Ion Ratio Lower Upper
83 100
55 79.2 60.4 90.6
98 42.2 35.8 53.8



#40
Benzene
Concen: 5.219 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 78 Resp: 72140
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

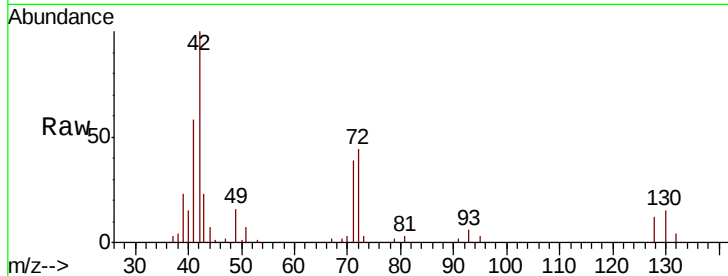




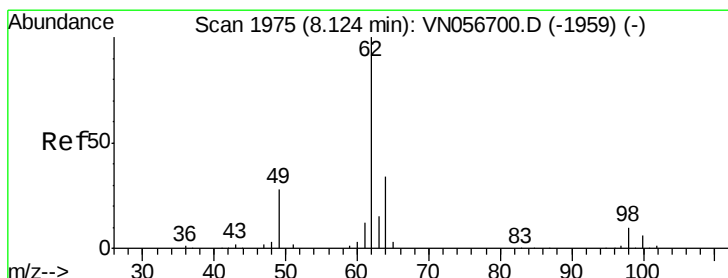
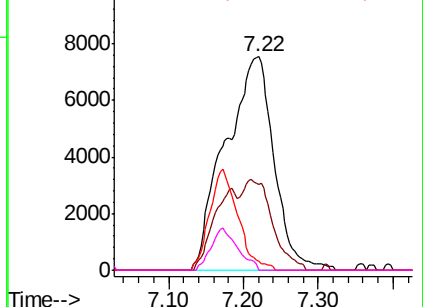
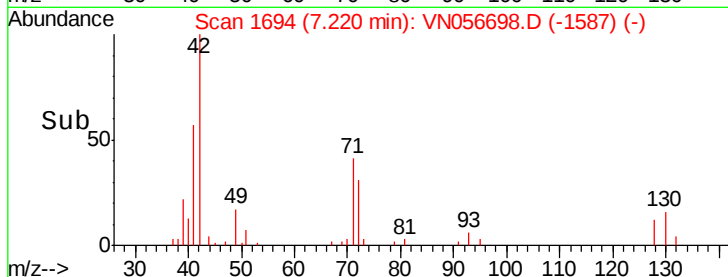
#41
Methacrylonitrile
Concen: 17.660 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.05 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	34120
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

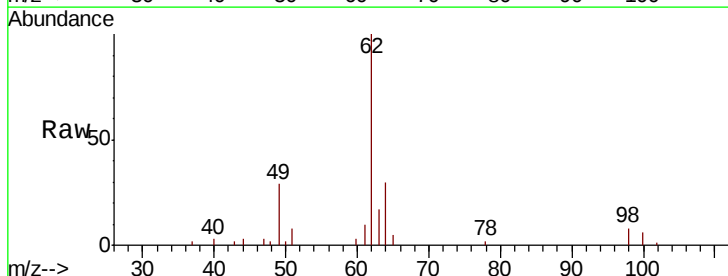


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

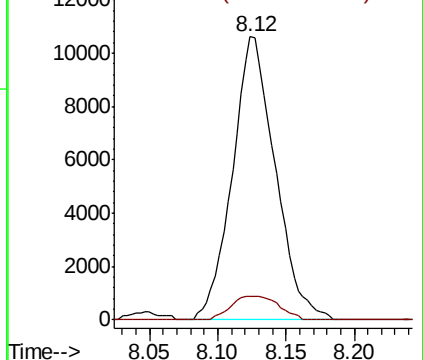
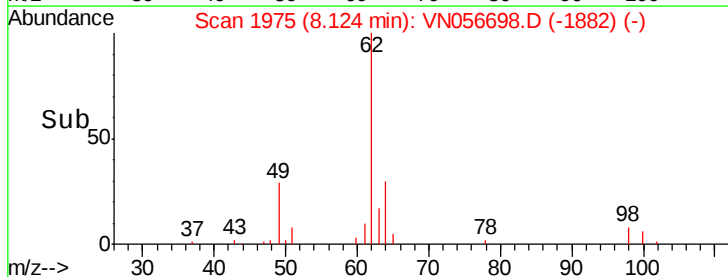


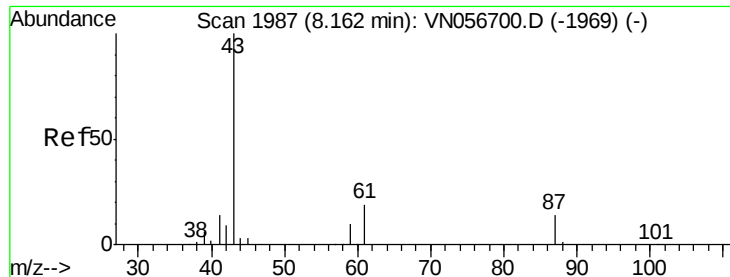
#42
1,2-Dichloroethane
Concen: 5.099 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:	62	Resp:	23155
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 5.098 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

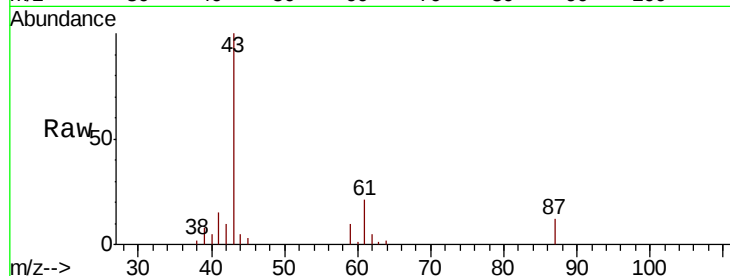
Tot Ion: 43 Resp: 34873

Ion Ratio Lower Upper

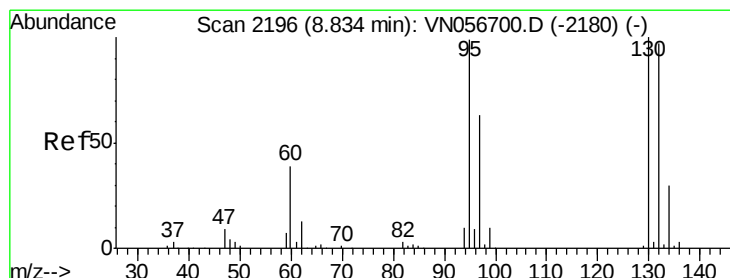
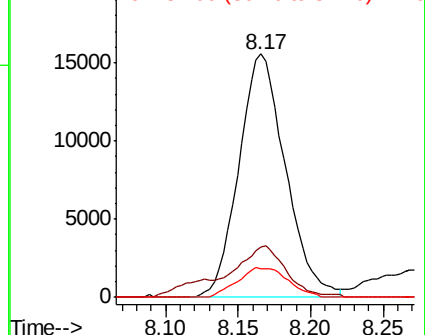
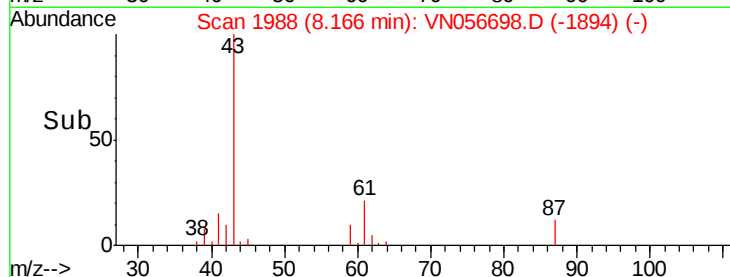
43 100

61 21.6 22.3 33.5#

87 13.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056698.D (-1894) (-)



#44

Trichloroethene

Concen: 5.259 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056698.D

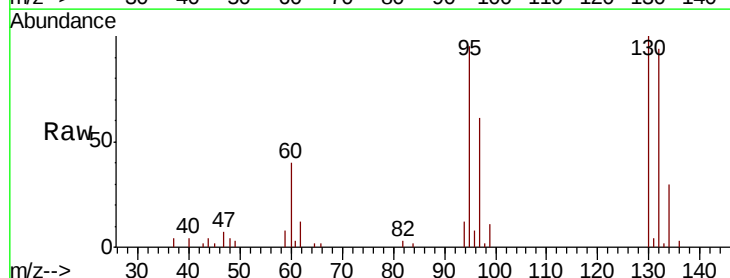
Acq: 15 Jul 2019 9:10

Tgt Ion:130 Resp: 19504

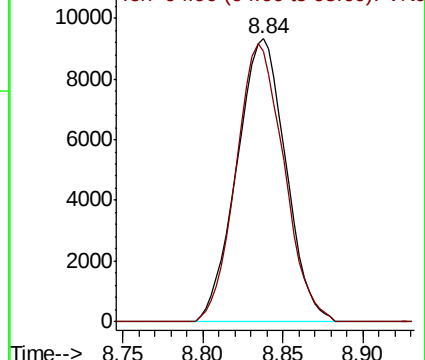
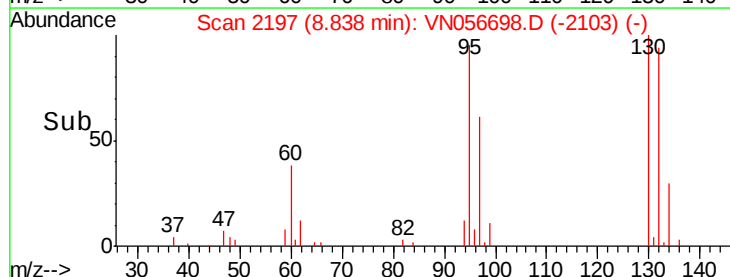
Ion Ratio Lower Upper

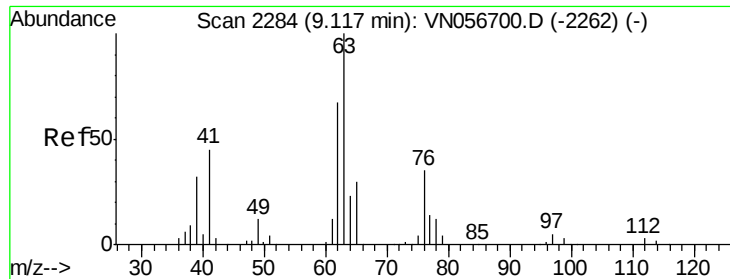
130 100

95 95.5 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056698.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 5.076 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

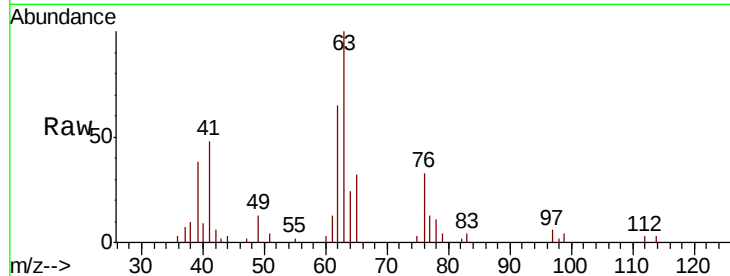
VSTDIC005

Tot Ion: 63 Resp: 18753

Ion Ratio Lower Upper

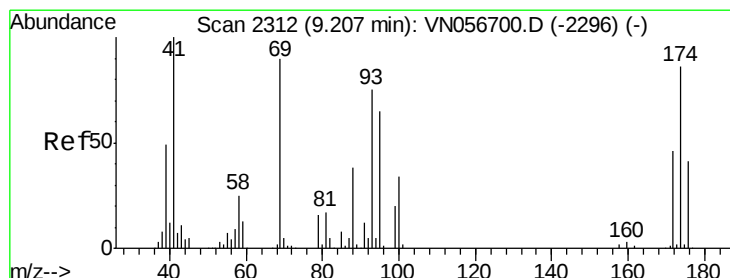
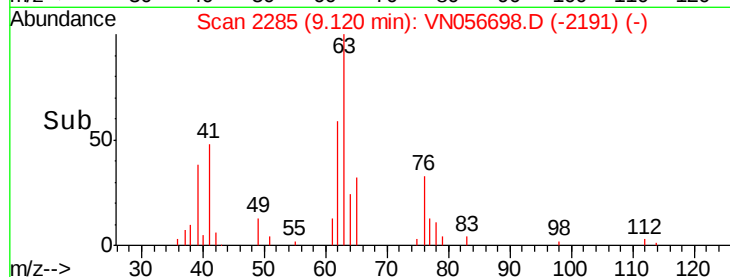
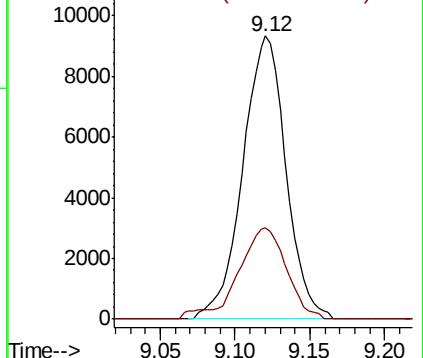
63 100

65 32.3 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 4.896 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

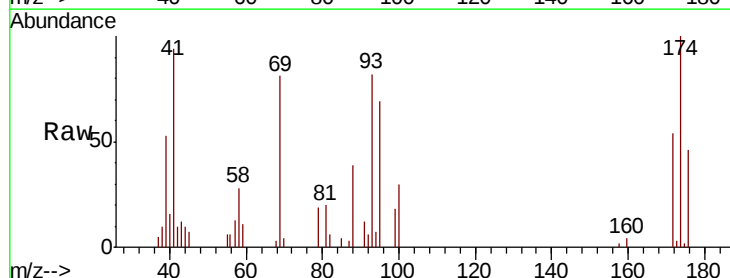
Tgt Ion: 93 Resp: 11303

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.0

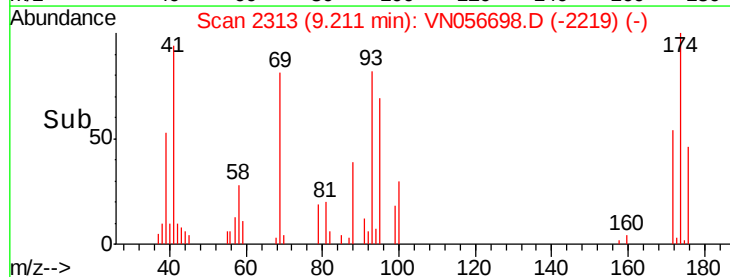
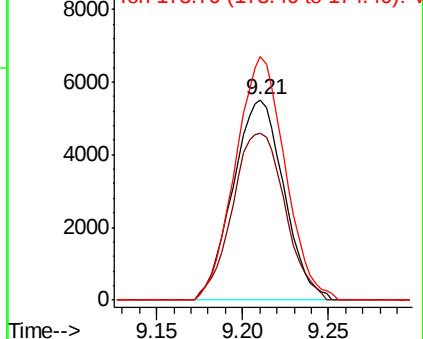
174 119.0 90.3 135.5

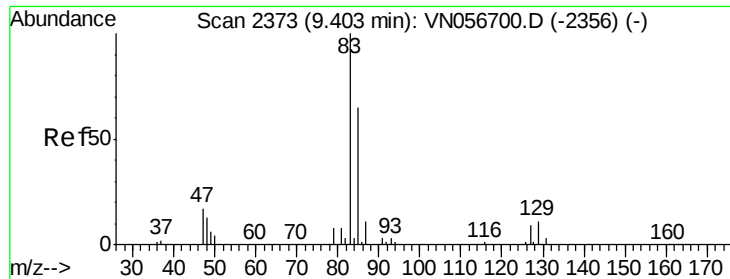


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.178 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

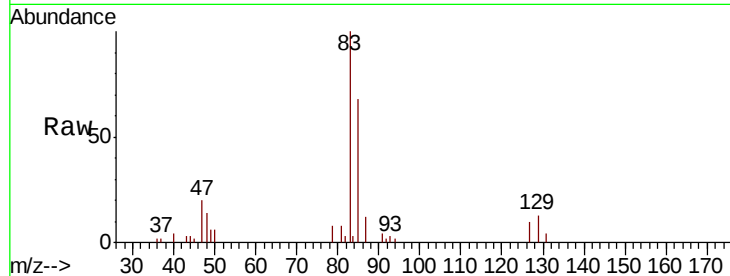
Tot Ion: 83 Resp: 21389

Ion Ratio Lower Upper

83 100

85 67.5 52.3 78.5

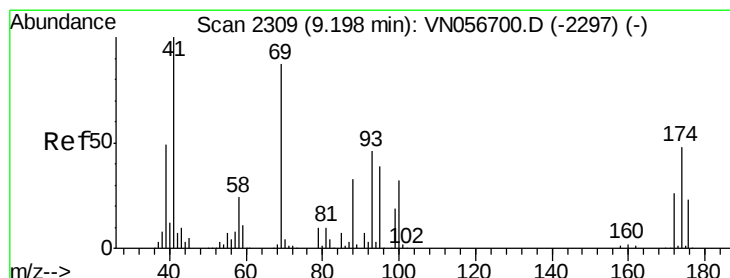
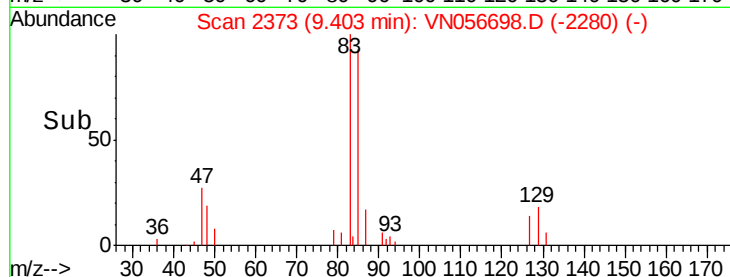
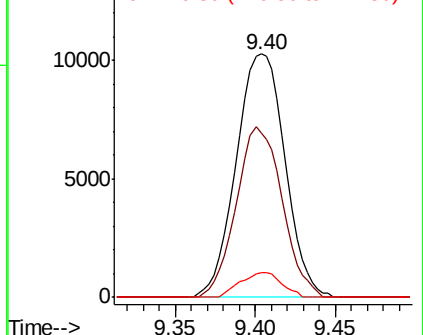
127 10.3 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056698.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056698.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056698.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.701 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

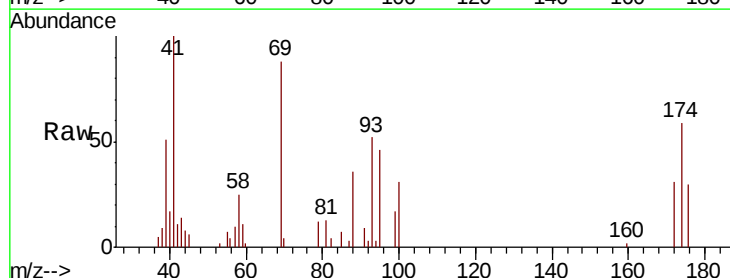
Tgt Ion: 41 Resp: 16141

Ion Ratio Lower Upper

41 100

69 91.7 71.4 107.0

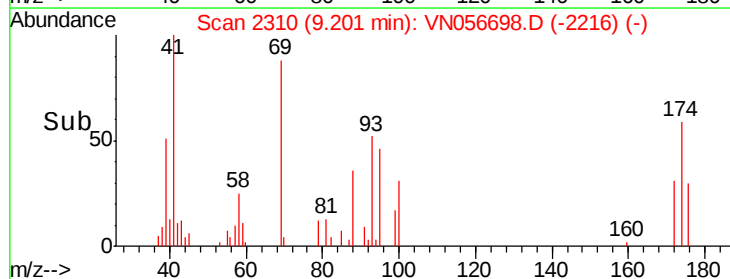
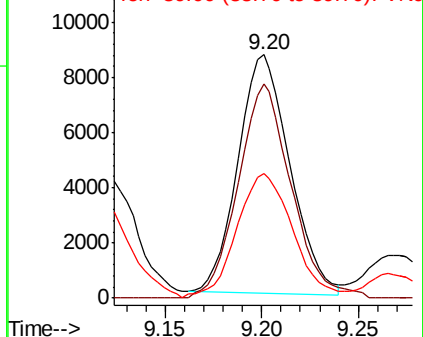
39 56.2 41.2 61.8

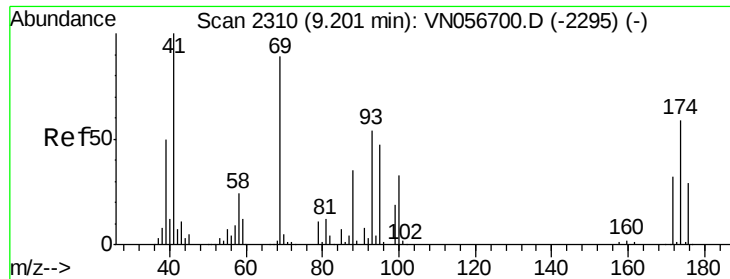


Abundance Ion 41.00 (40.70 to 41.70): VN056698.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056698.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056698.D (-2216) (-)

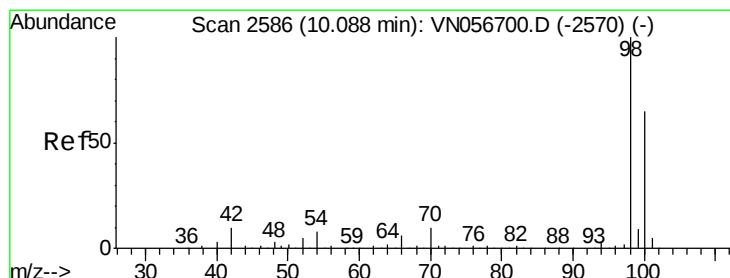
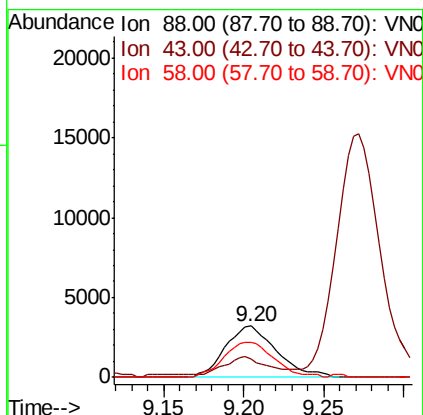
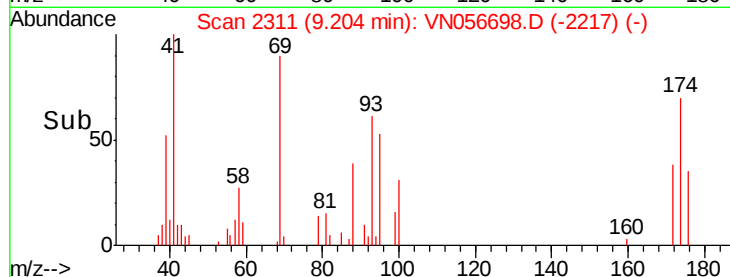
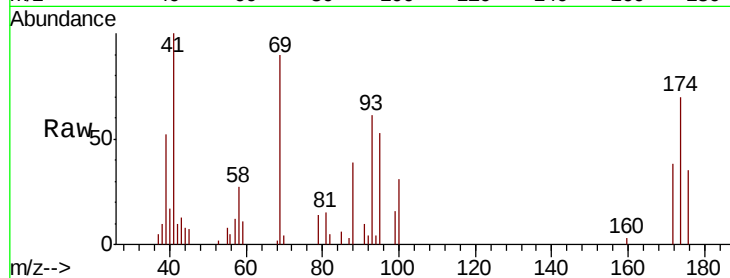




#49
 1,4-Dioxane
 Concen: 98.973 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

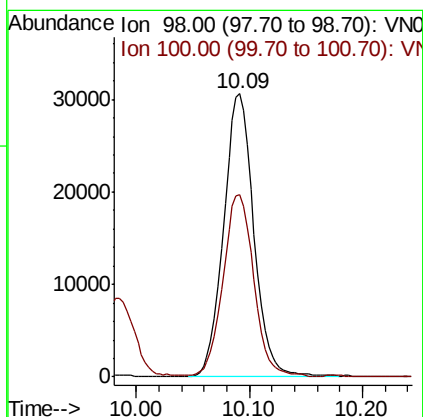
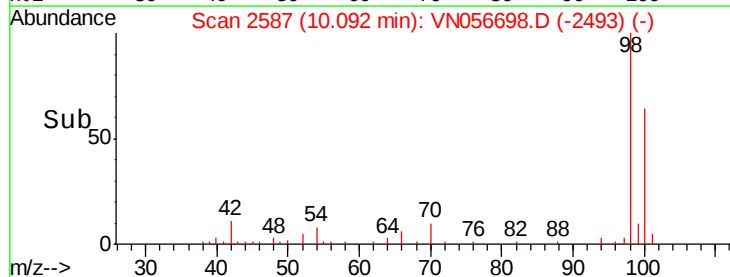
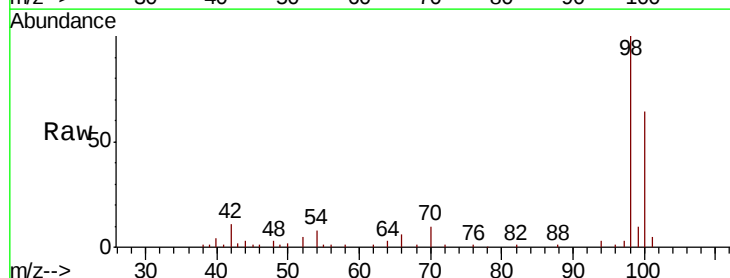
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

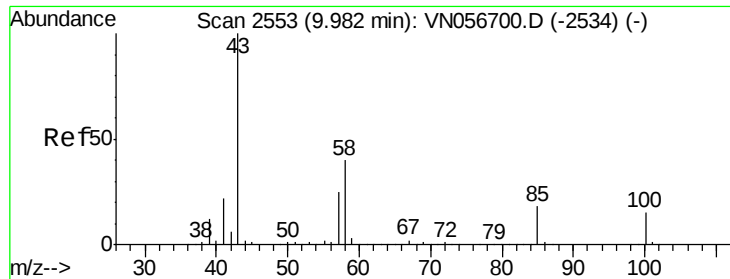
Tot Ion: 88 Resp: 6998
 Ion Ratio Lower Upper
 88 100
 43 25.8 23.7 35.5
 58 67.4 55.6 83.4



#50
 Toluene-d8
 Concen: 4.650 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 98 Resp: 56991
 Ion Ratio Lower Upper
 98 100
 100 66.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 25.298 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

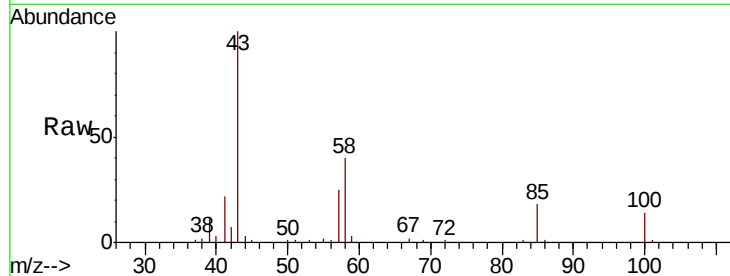
VSTDIC005

Tot Ion: 43 Resp: 111737

Ion Ratio Lower Upper

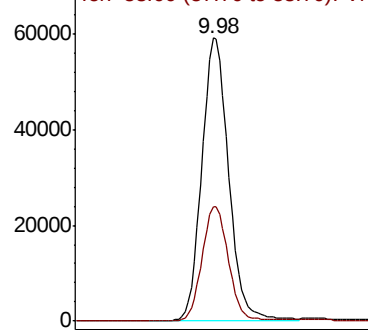
43 100

58 39.7 32.0 48.0

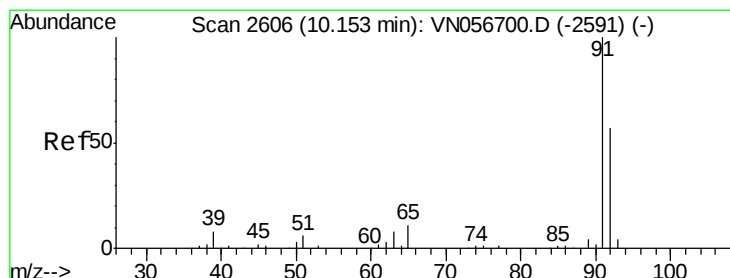
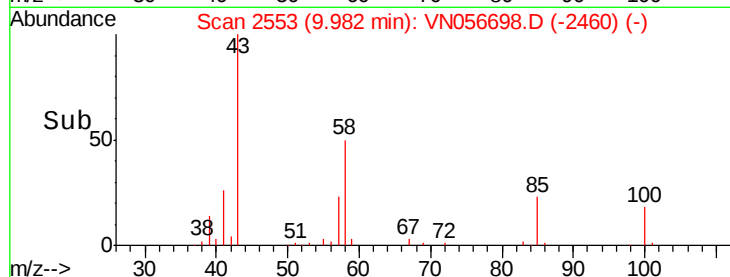


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 4.975 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056698.D

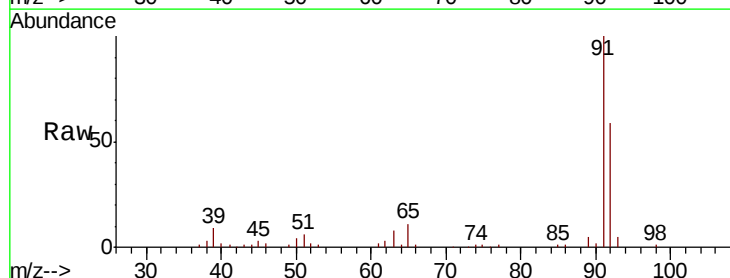
Acq: 15 Jul 2019 9:10

Tgt Ion: 92 Resp: 42005

Ion Ratio Lower Upper

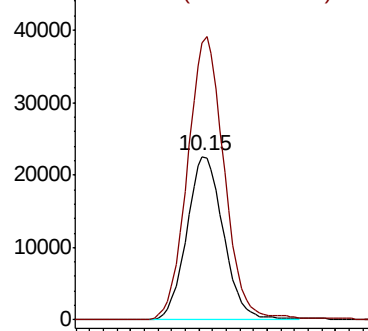
92 100

91 172.1 139.9 209.9

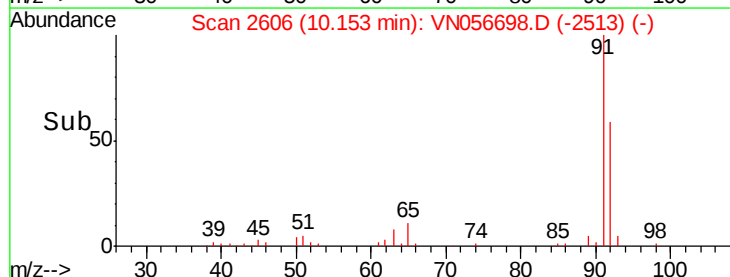


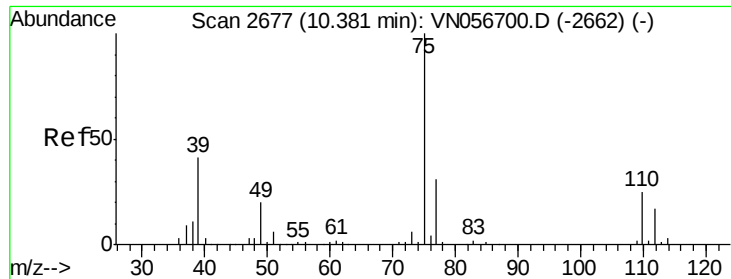
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->

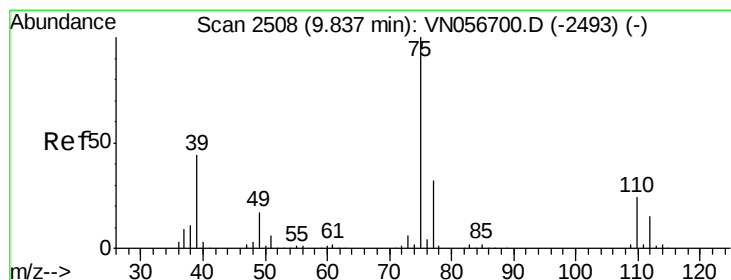
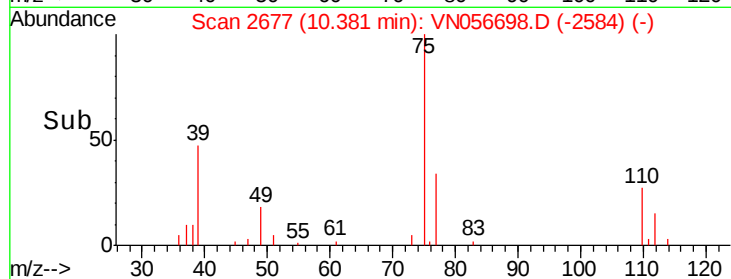
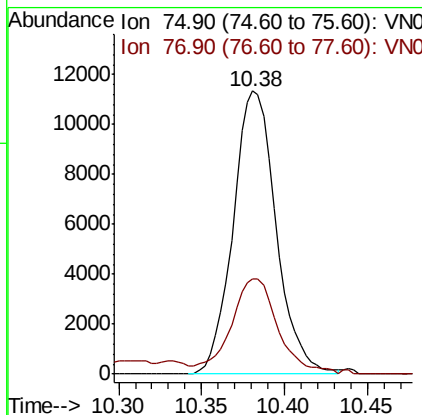
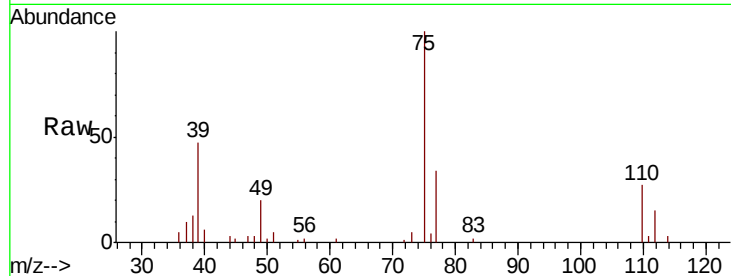




#53
t-1,3-Dichloropropene
Concen: 4.905 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

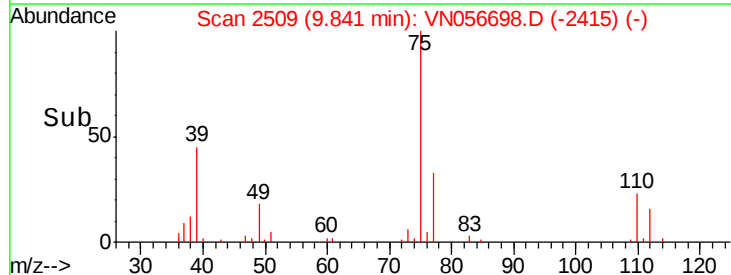
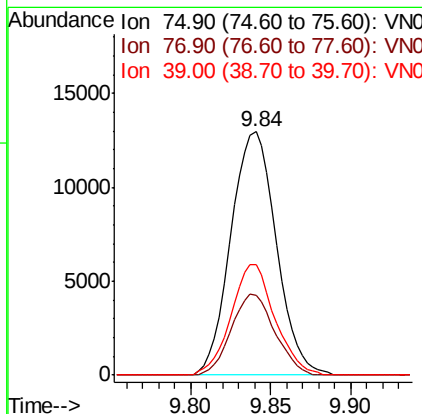
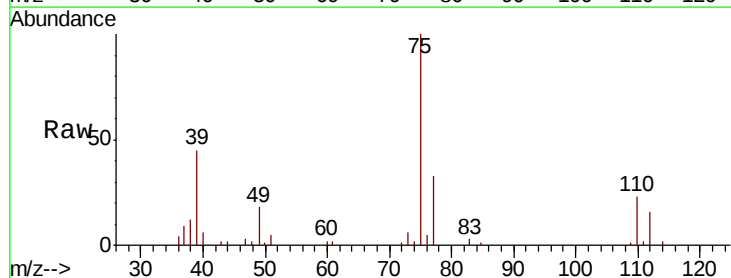
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

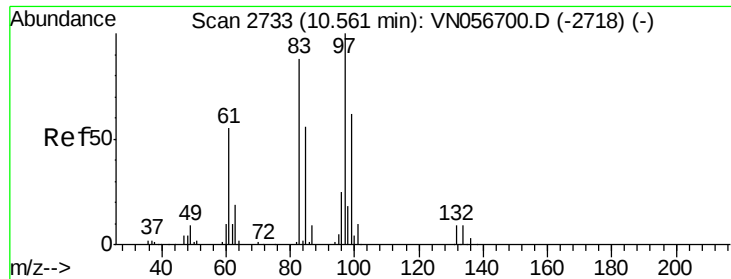
Tot Ion: 75 Resp: 20504
Ion Ratio Lower Upper
75 100
77 33.6 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 5.067 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 75 Resp: 25142
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
39 45.3 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 5.225 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

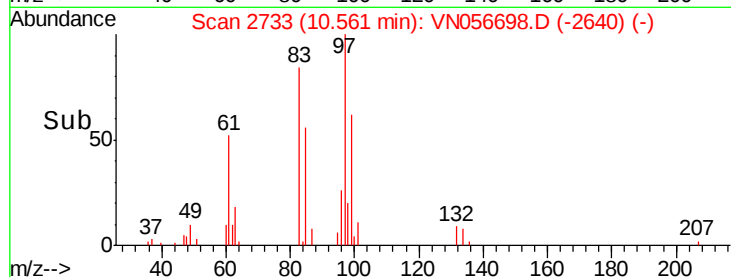
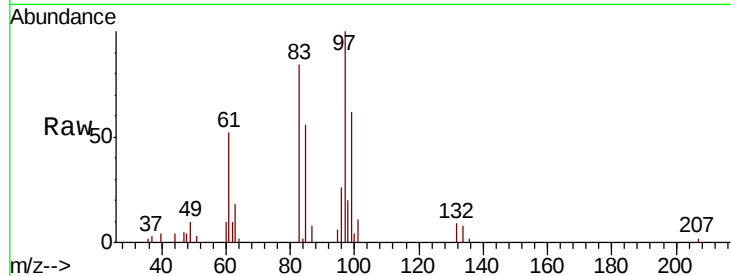
MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 17706

Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.3	105.5
85	56.2	44.8	67.2
99	61.7	49.6	74.4

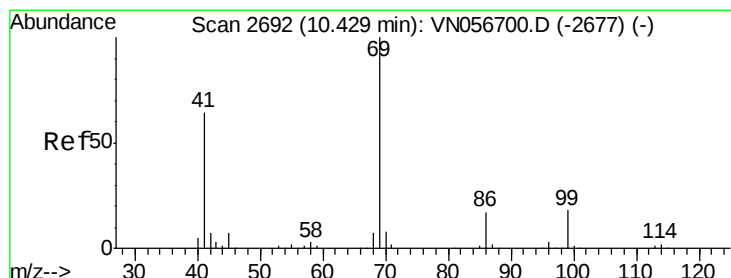


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.638 ug/l

RT: 10.43 min Scan# 2692

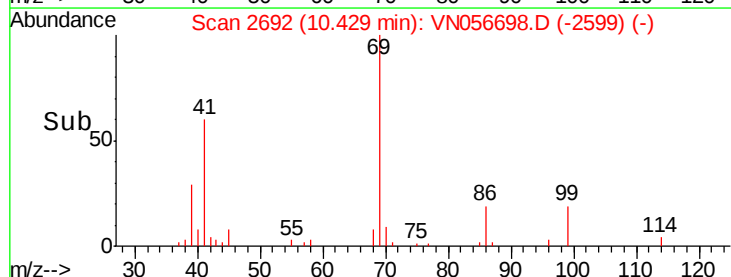
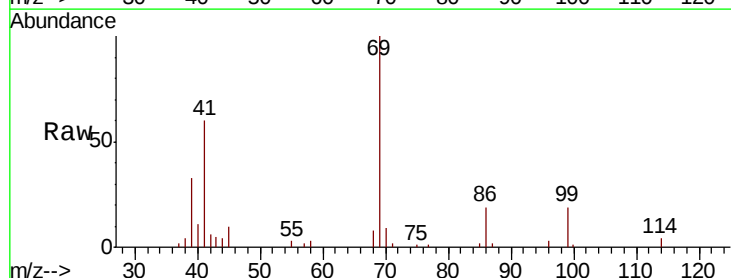
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion: 69 Resp: 23137

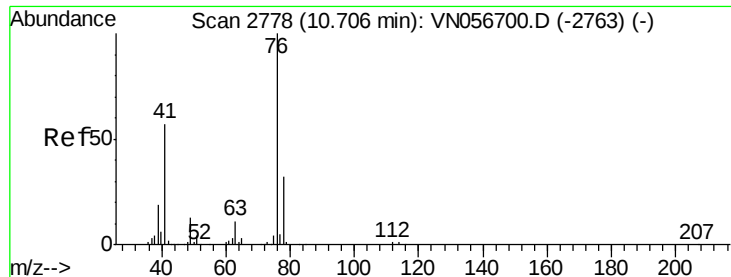
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	30.3	24.6	36.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 5.051 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

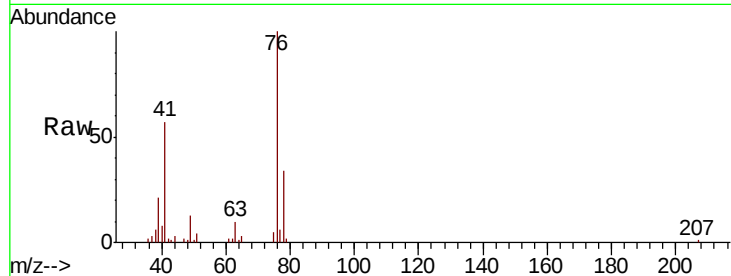
VSTDIC005

Tot Ion: 76 Resp: 28730

Ion Ratio Lower Upper

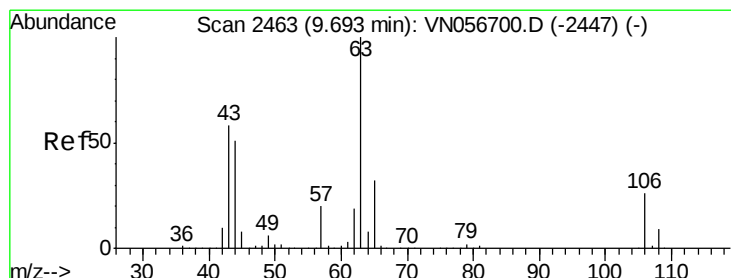
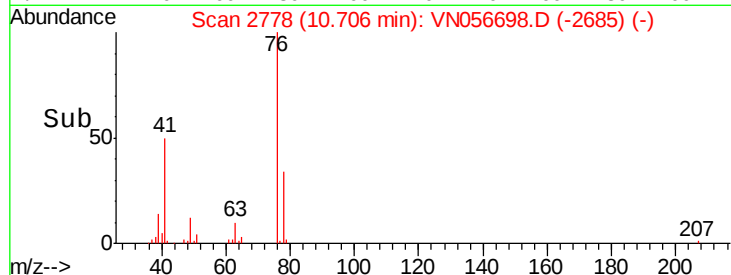
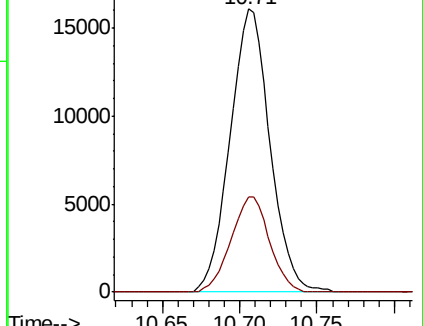
76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 30.226 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056698.D

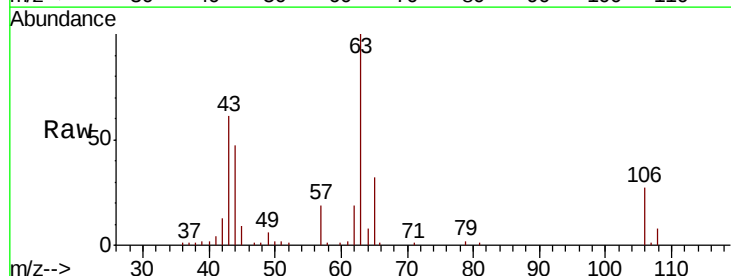
Acq: 15 Jul 2019 9:10

Tgt Ion: 63 Resp: 57752

Ion Ratio Lower Upper

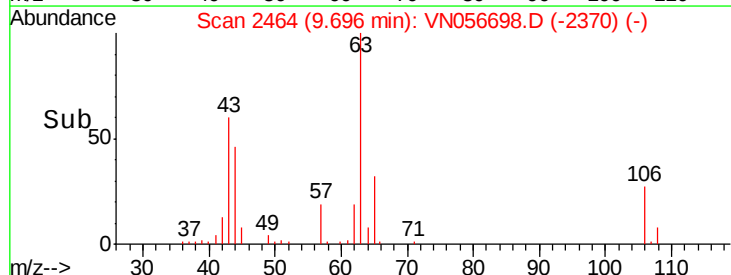
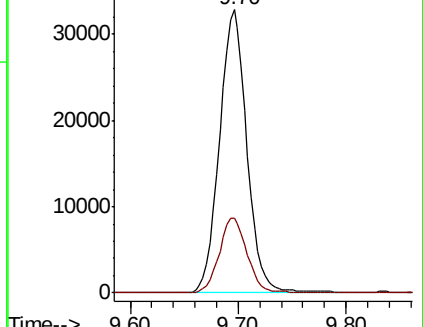
63 100

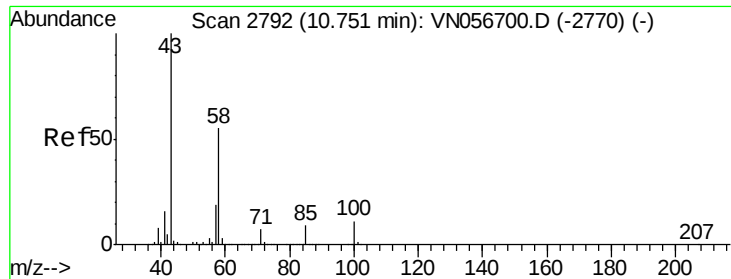
106 26.8 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

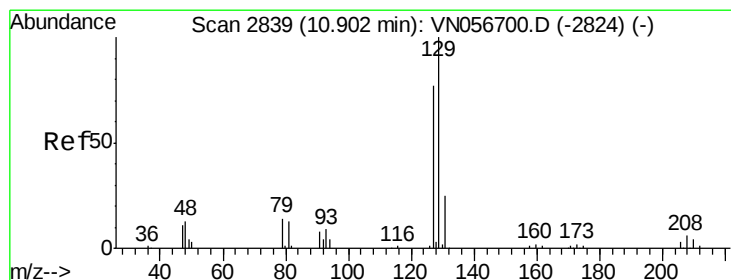
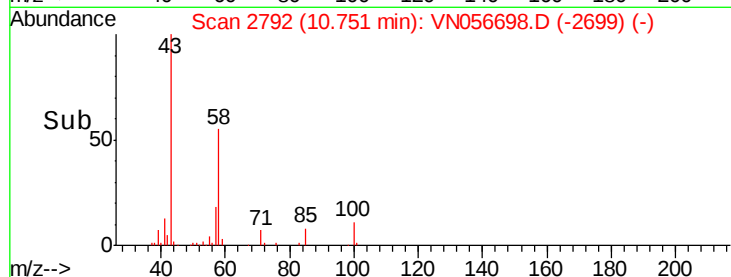
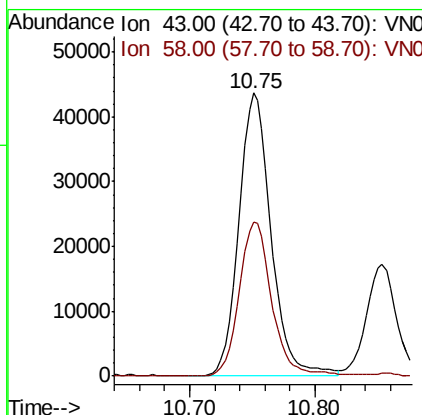
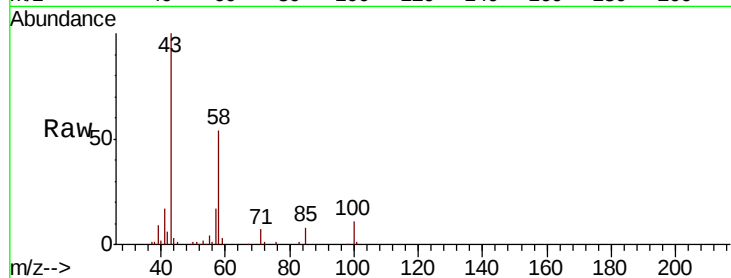




#59
2-Hexanone
Concen: 23.999 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

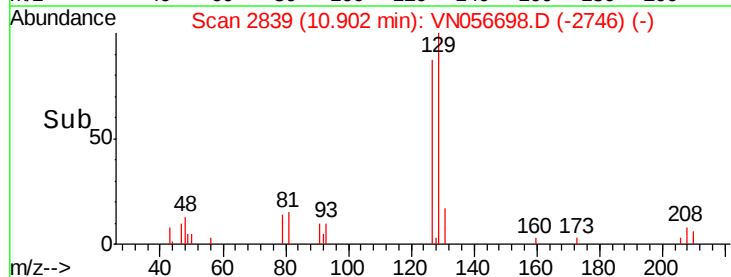
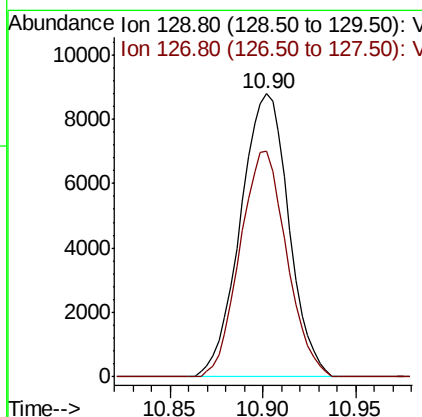
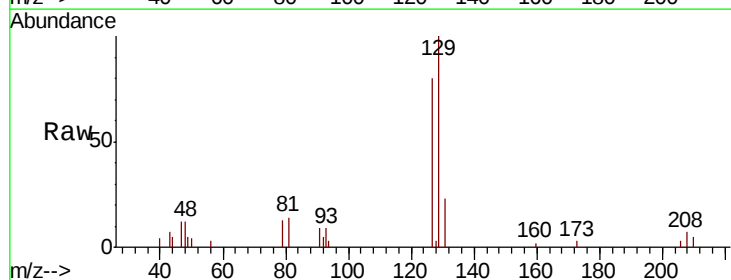
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

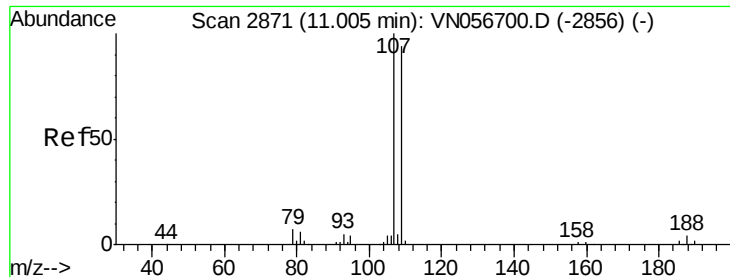
Tot Ion: 43 Resp: 78168
Ion Ratio Lower Upper
43 100
58 54.8 27.9 83.6



#60
Dibromochloromethane
Concen: 5.129 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 129 Resp: 16001
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6

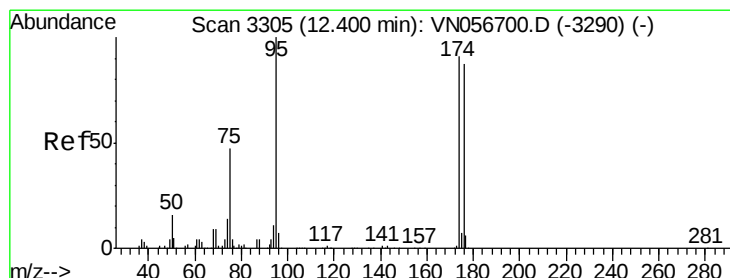
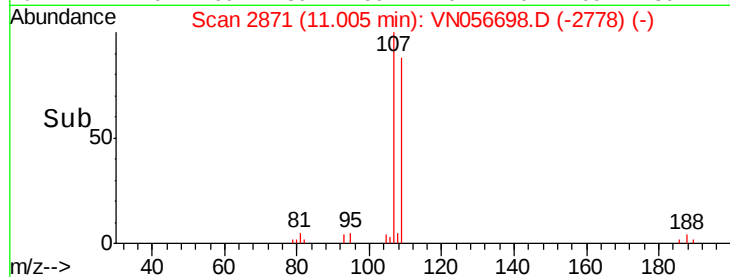
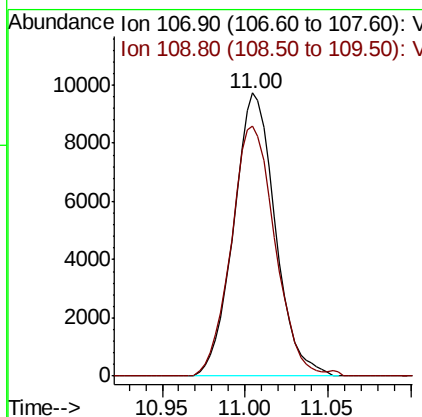
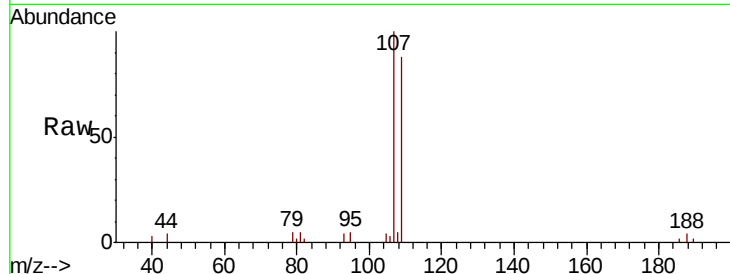




#61
 1,2-Dibromoethane
 Concen: 4.902 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

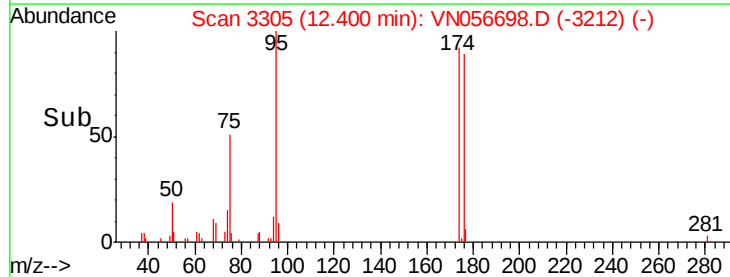
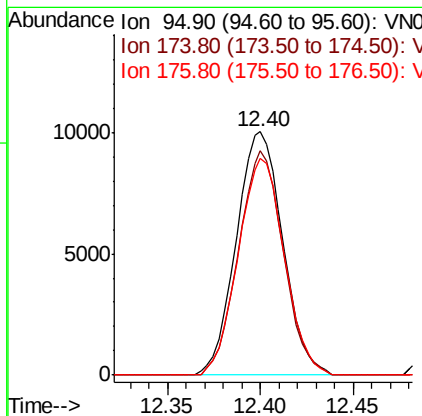
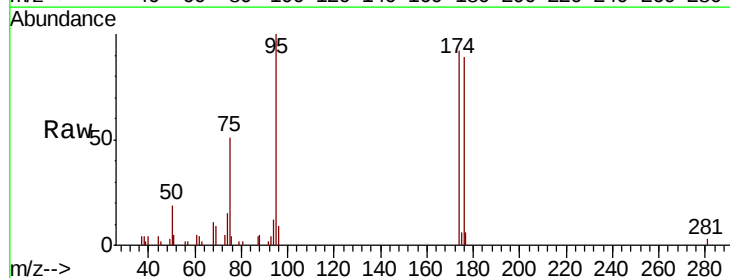
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

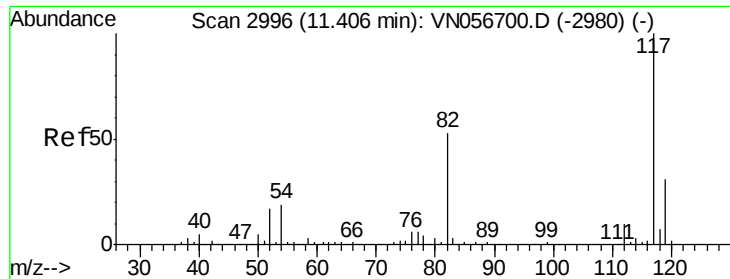
Tot Ion:107 Resp: 16965
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 4.259 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 95 Resp: 17434
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 180.0
 176 88.3 0.0 173.2

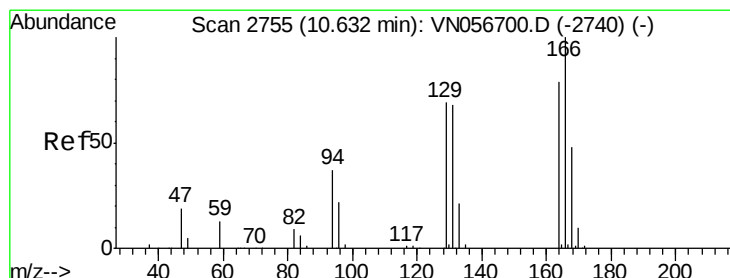
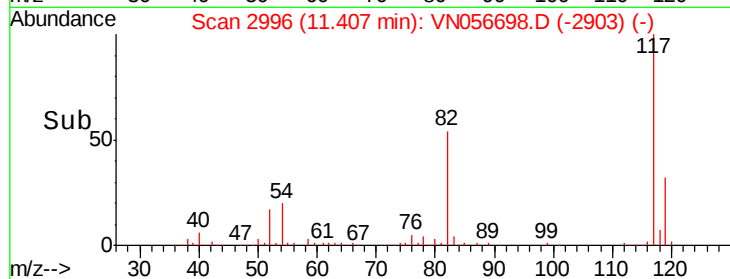
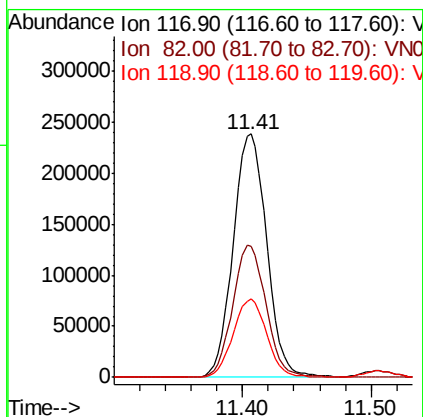
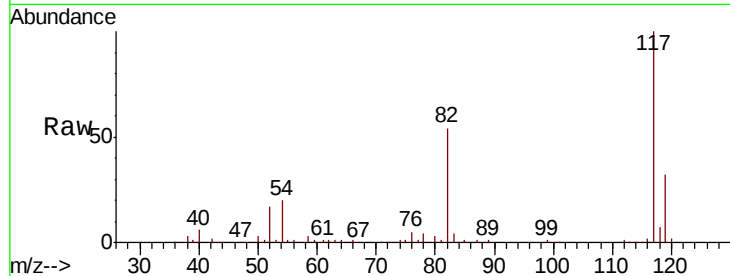




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

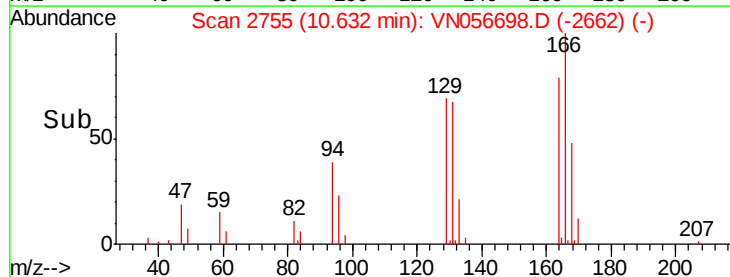
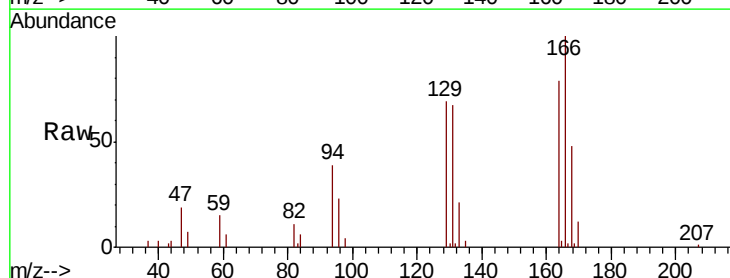
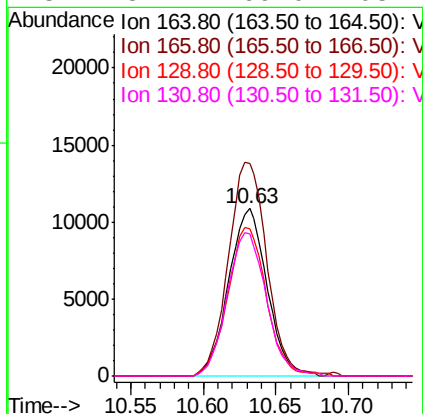
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

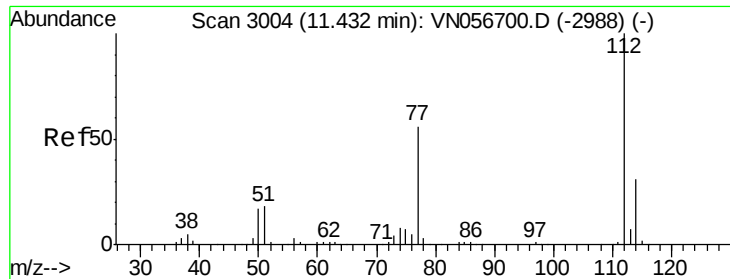
Tot Ion:117 Resp: 432281
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 5.804 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:164 Resp: 20052
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.2
129 87.8 69.6 104.4
131 84.7 69.0 103.4

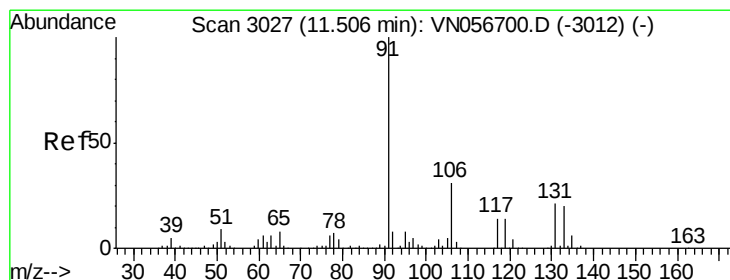
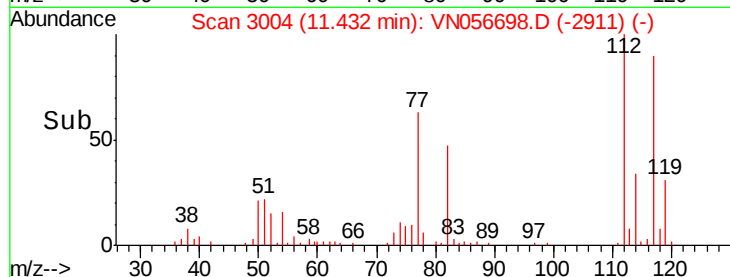
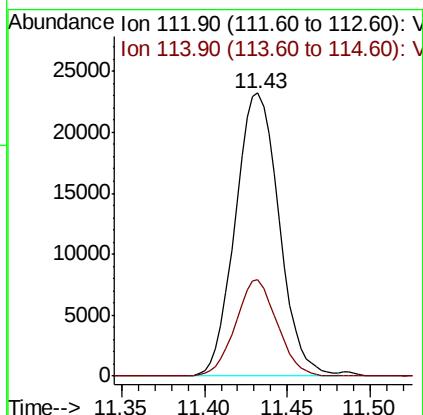
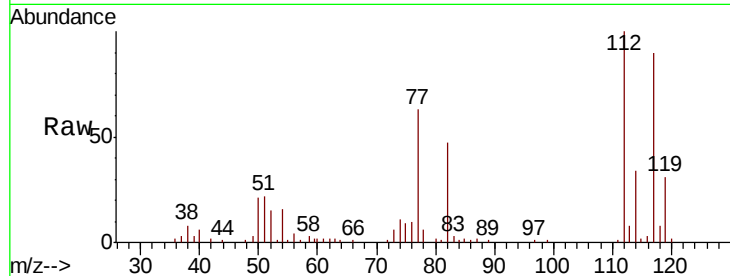




#65
Chlorobenzene
Concen: 4.917 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

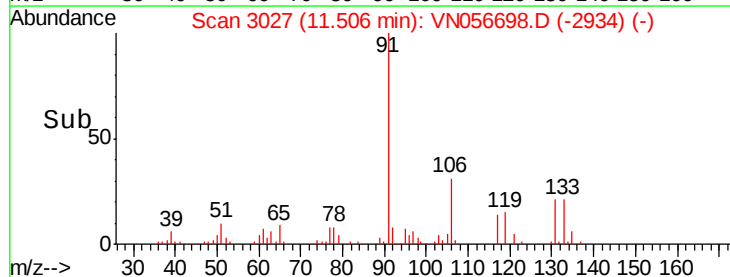
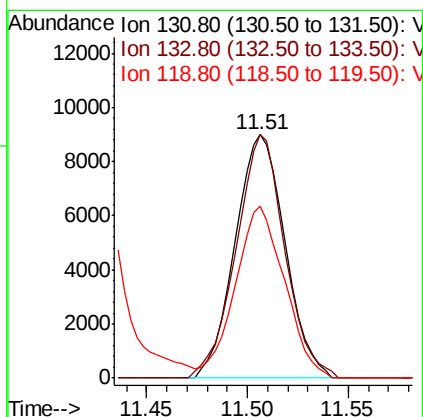
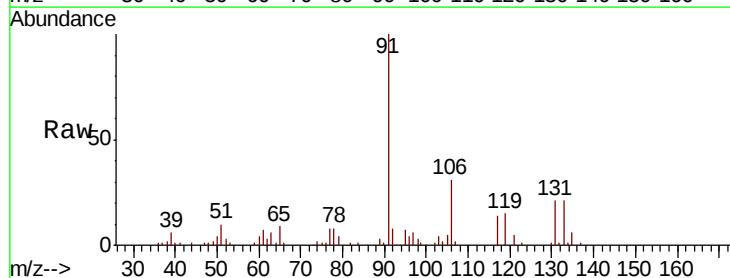
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

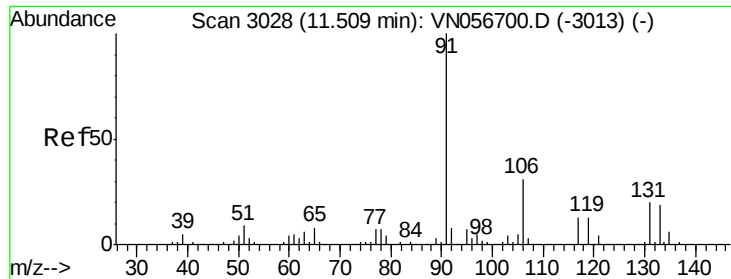
Tot Ion:112 Resp: 42759
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.247 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:131 Resp: 15581
Ion Ratio Lower Upper
131 100
133 97.5 46.9 140.7
119 69.6 32.8 98.3

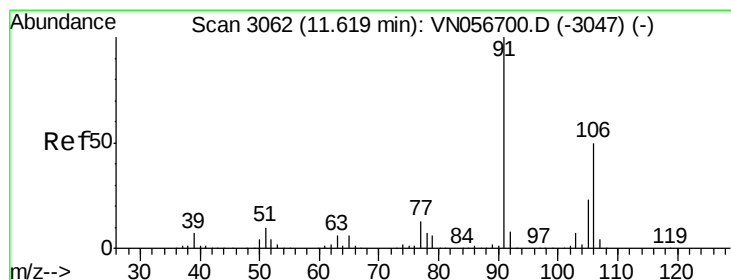
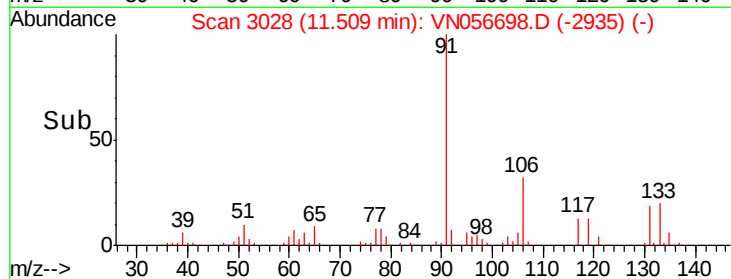
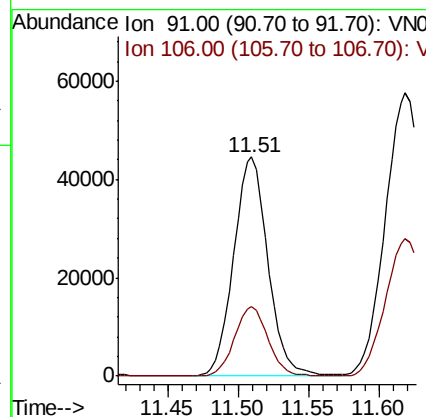
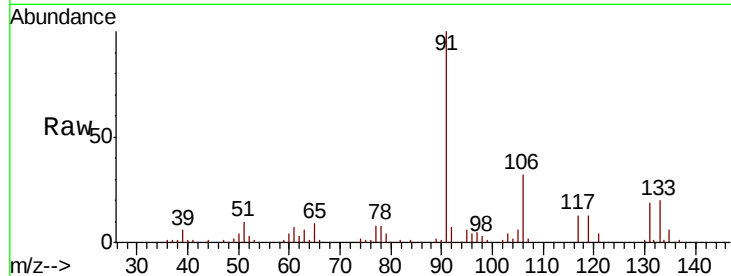




#67
Ethyl Benzene
Concen: 4.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

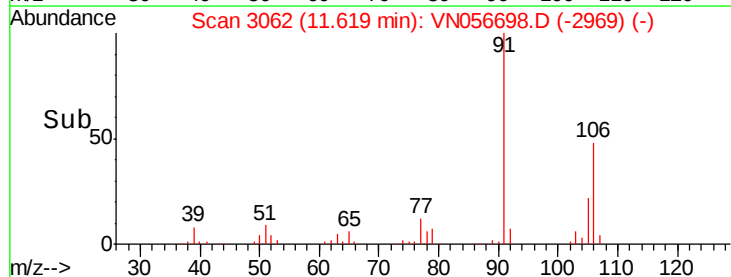
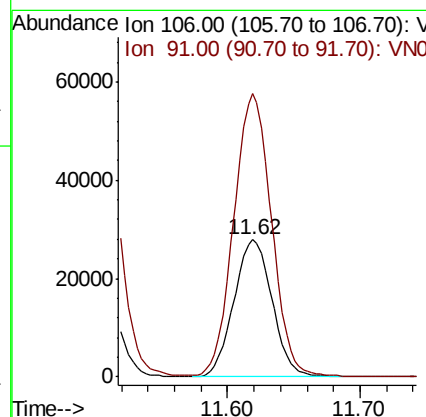
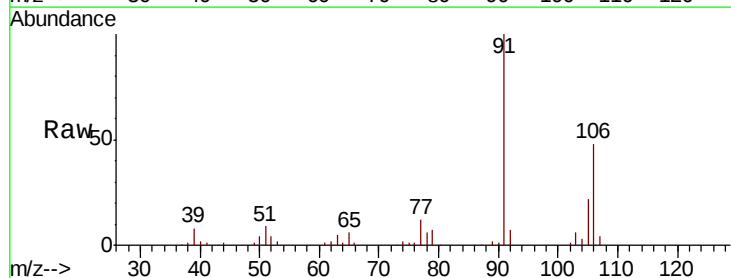
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

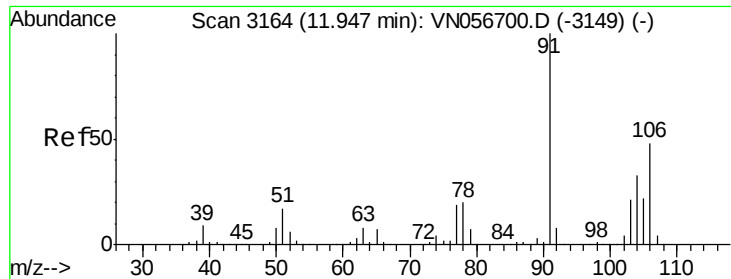
Tot Ion: 91 Resp: 75936
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2



#68
m/p-Xylenes
Concen: 9.964 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 106 Resp: 55920
Ion Ratio Lower Upper
106 100
91 204.4 160.5 240.7

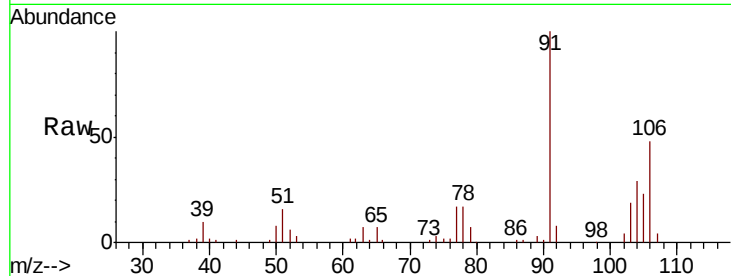




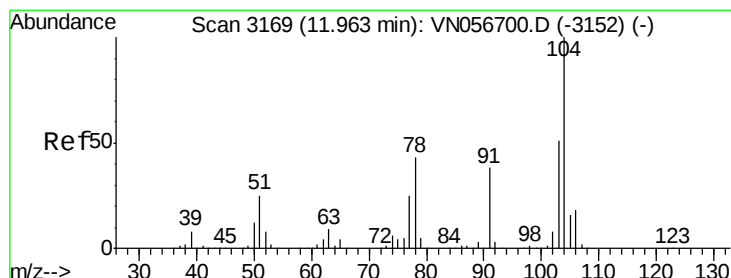
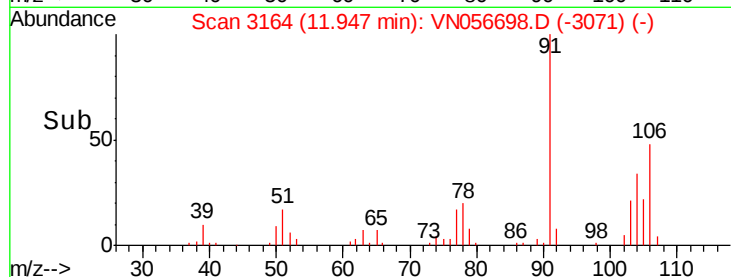
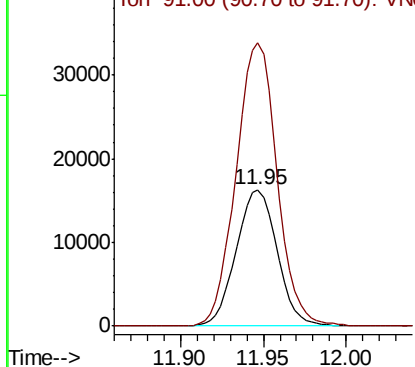
#69
o-Xylene
Concen: 5.043 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 27997
Ion Ratio Lower Upper
106 100
91 208.2 105.6 316.8

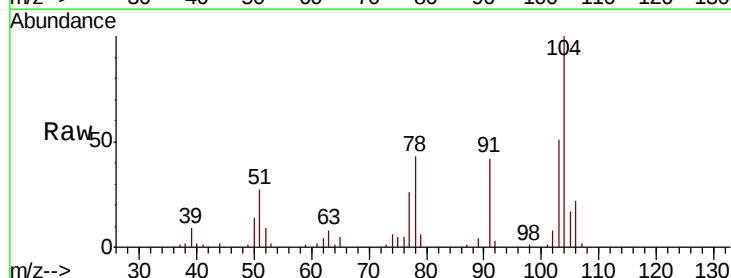


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

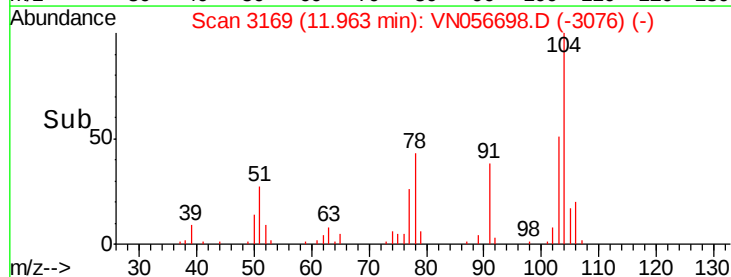
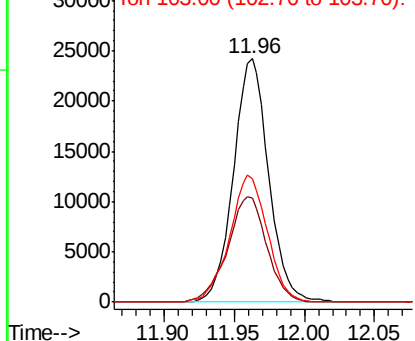


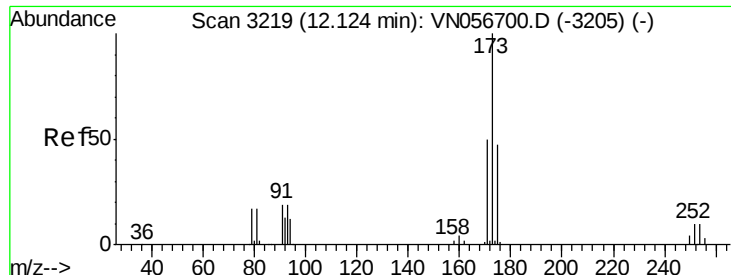
#70
Styrene
Concen: 4.765 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:104 Resp: 42316
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 56.0 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

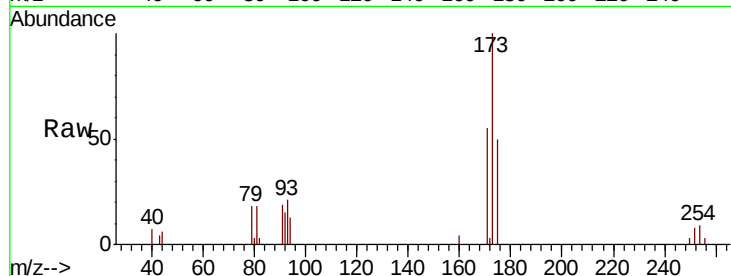




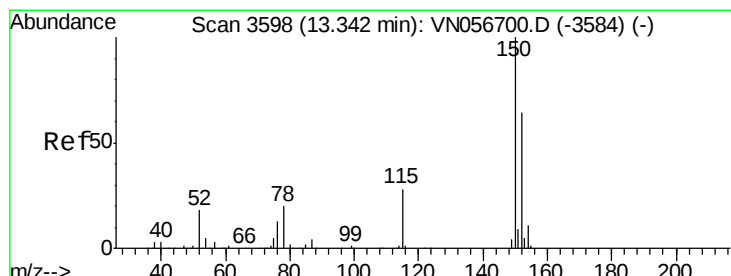
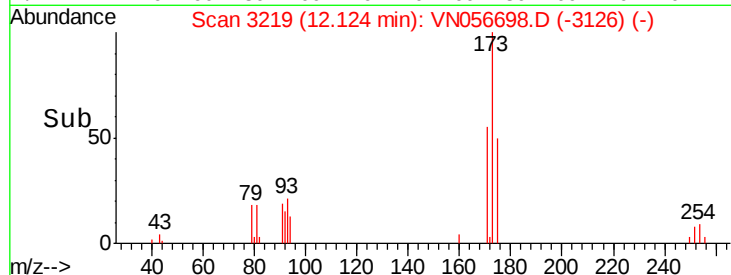
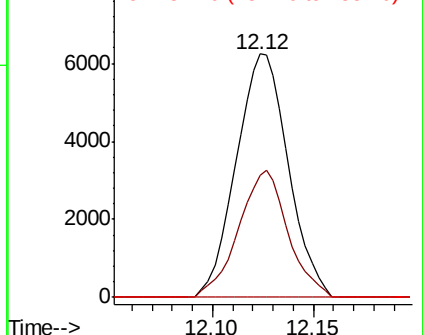
#71
Bromoform
Concen: 5.332 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 11227
Ion Ratio Lower Upper
173 100
175 49.4 23.8 71.4
254 0.0 0.0 0.0

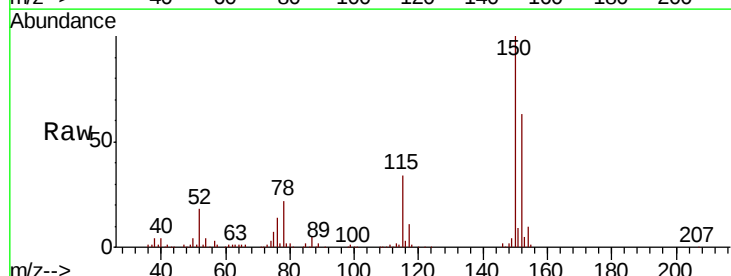


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

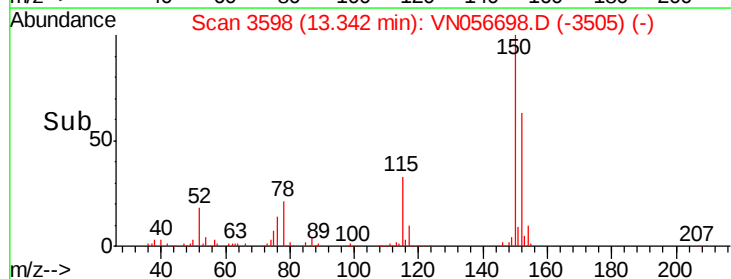
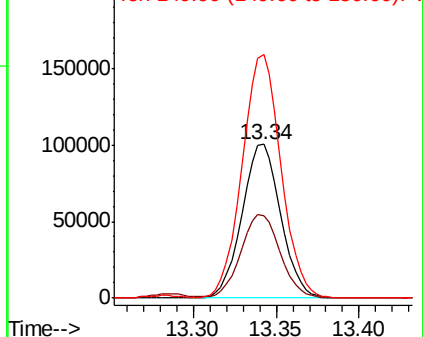


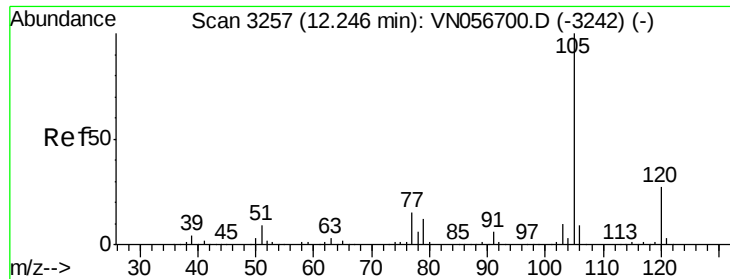
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:152 Resp: 162882
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 159.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.993 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

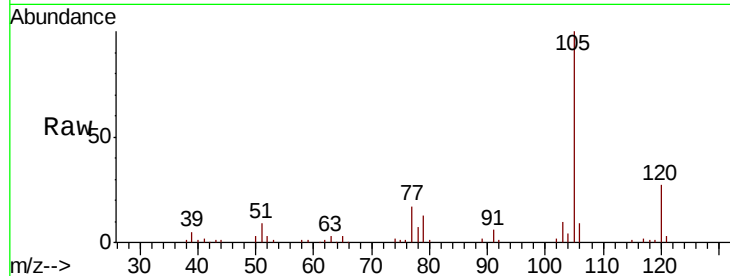
VSTDIC005

Tot Ion:105 Resp: 71160

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

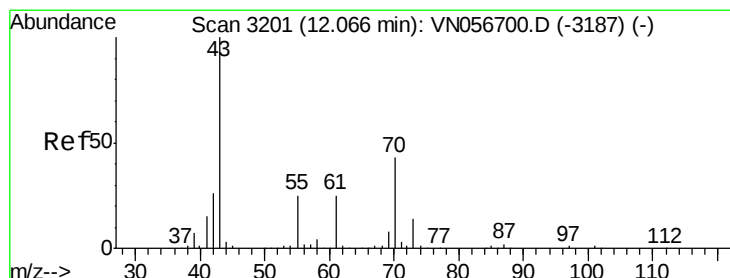
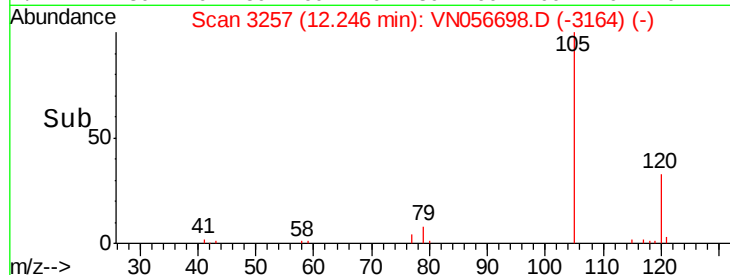
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 4.646 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion: 43 Resp: 24074

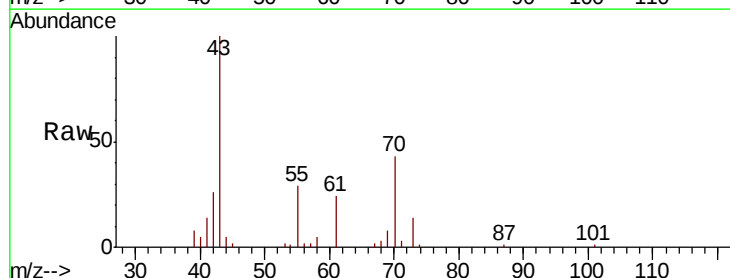
Ion Ratio Lower Upper

43 100

70 41.0 34.5 51.7

55 27.2 20.2 30.2

61 23.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

20000

15000

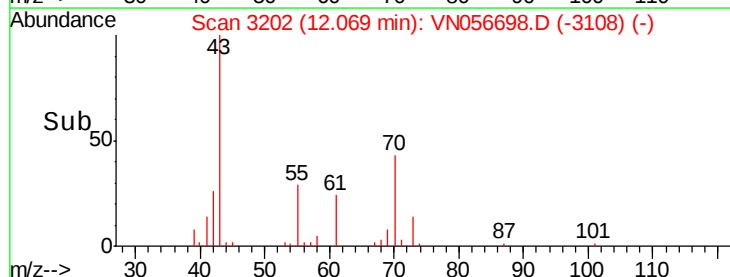
10000

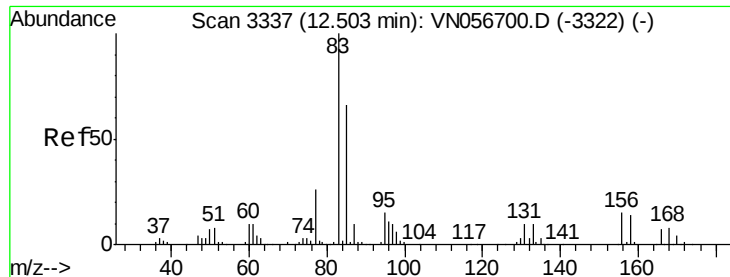
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 5.325 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

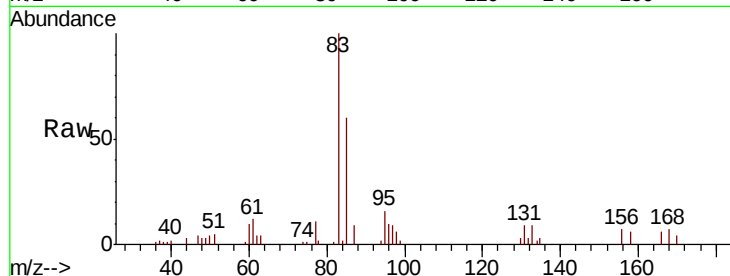
Tot Ion: 83 Resp: 23771

Ion Ratio Lower Upper

83 100

131 9.3 5.3 15.8

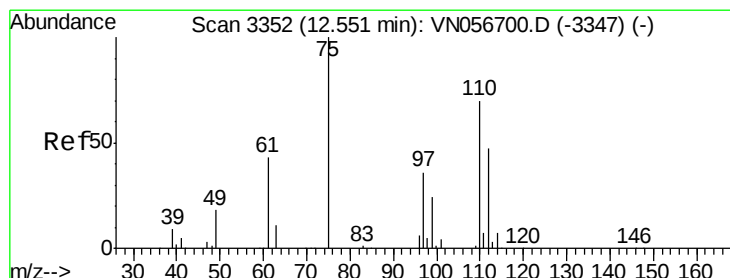
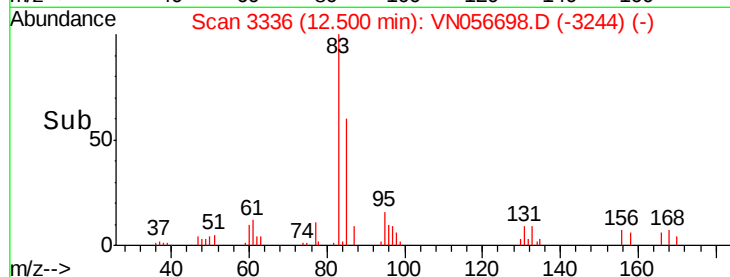
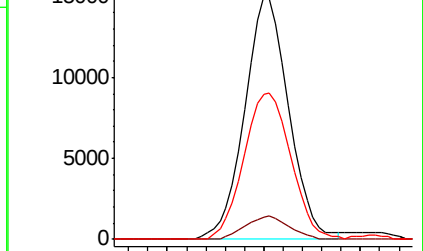
85 64.2 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN056698.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056698.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056698.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 7.833 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056698.D

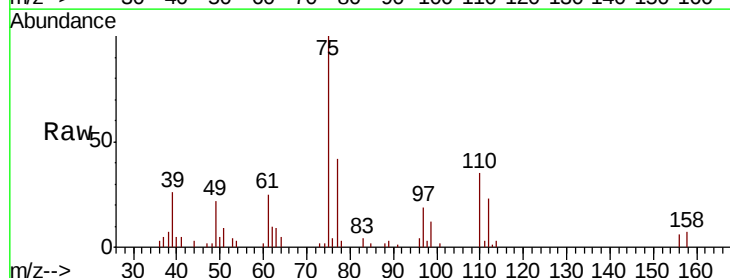
Acq: 15 Jul 2019 9:10

Tgt Ion: 75 Resp: 26809

Ion Ratio Lower Upper

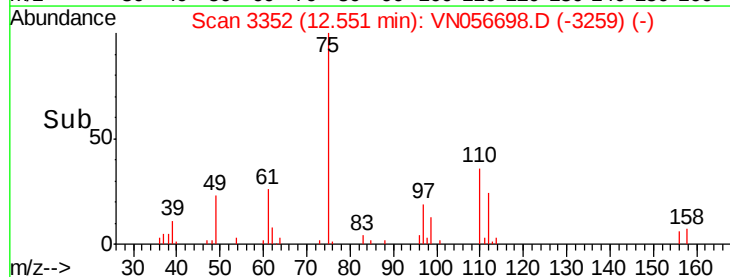
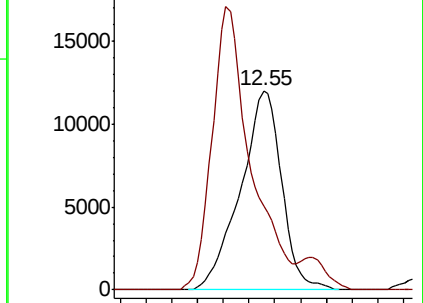
75 100

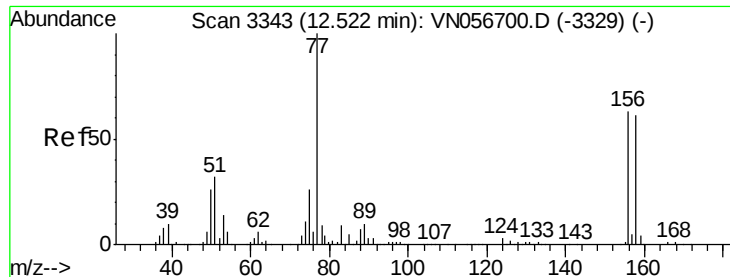
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056698.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056698.D (-3259) (-)





#77

Bromobenzene

Concen: 4.928 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

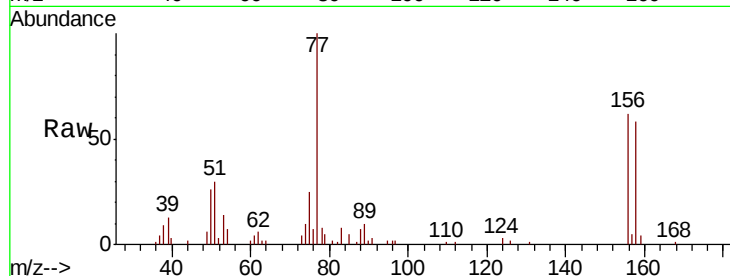
Tot Ion:156 Resp: 17826

Ion Ratio Lower Upper

156 100

77 200.0 97.2 291.6

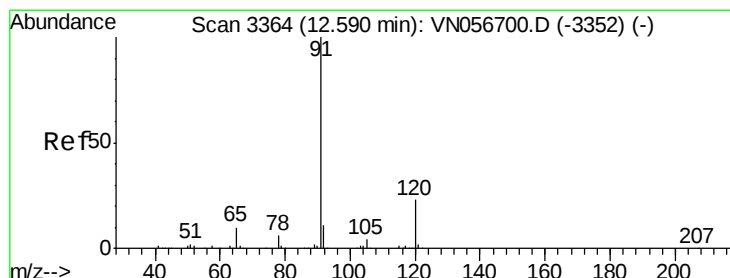
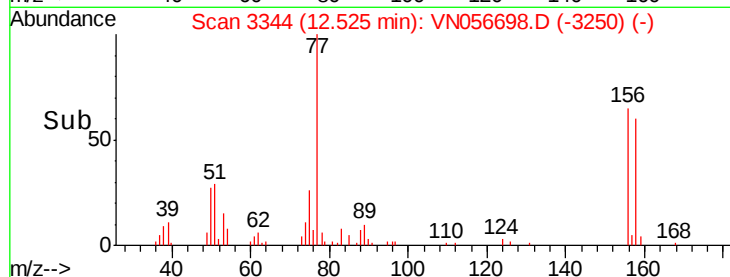
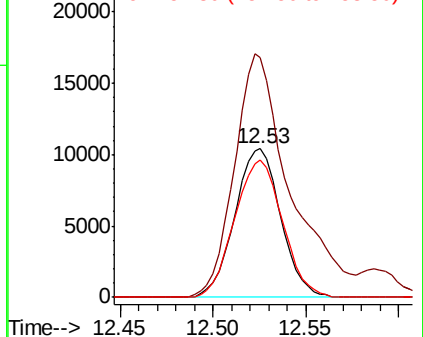
158 96.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.156 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056698.D

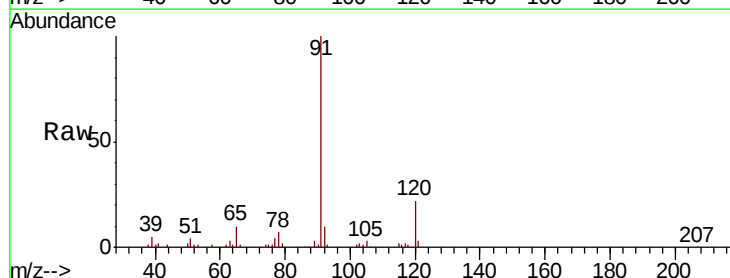
Acq: 15 Jul 2019 9:10

Tgt Ion: 91 Resp: 76799

Ion Ratio Lower Upper

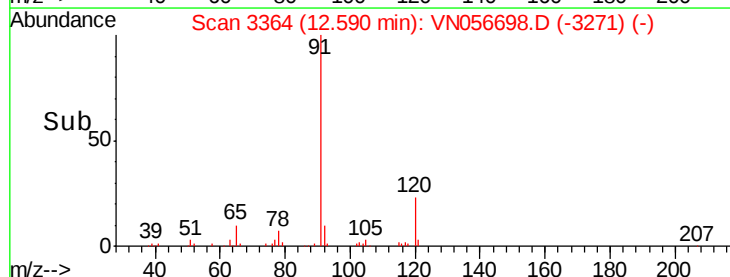
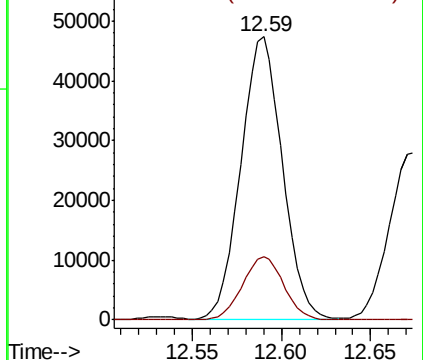
91 100

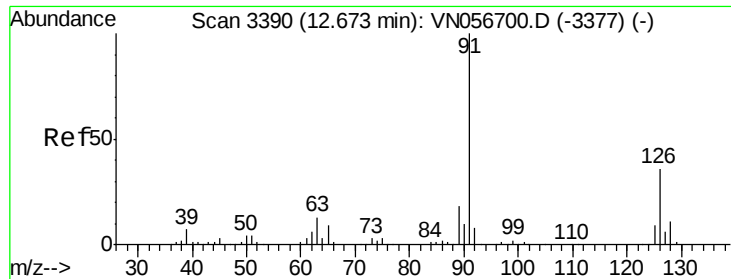
120 22.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.108 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

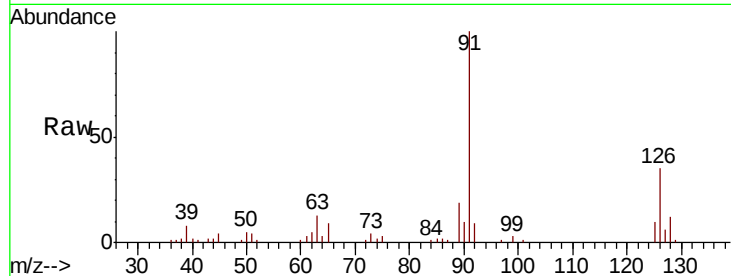
VSTDIC005

Tot Ion: 91 Resp: 47844

Ion Ratio Lower Upper

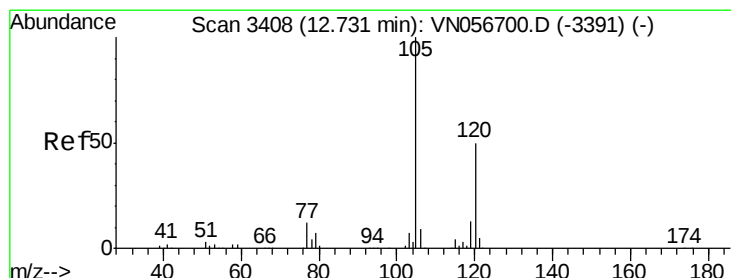
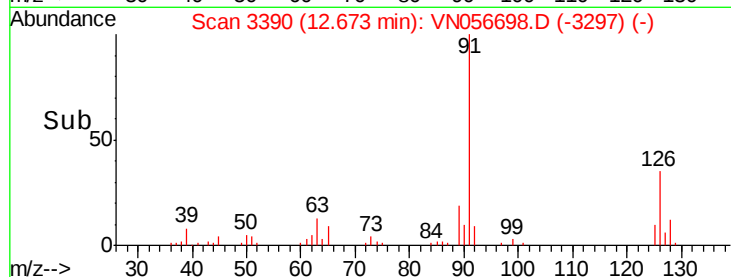
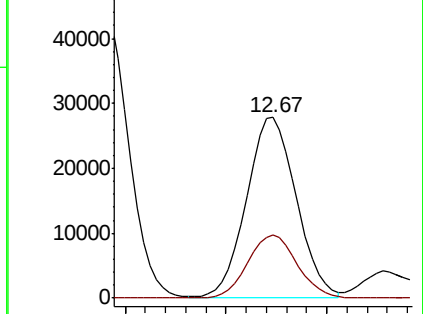
91 100

126 34.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056698.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056698.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.058 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056698.D

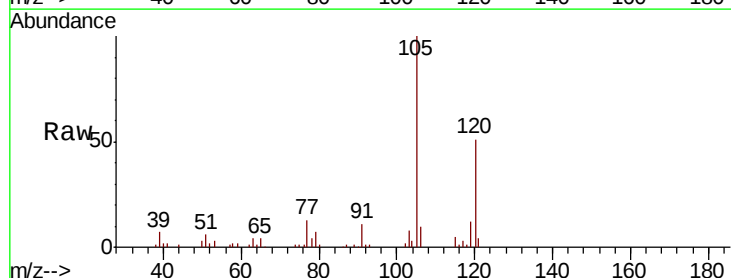
Acq: 15 Jul 2019 9:10

Tgt Ion: 105 Resp: 58946

Ion Ratio Lower Upper

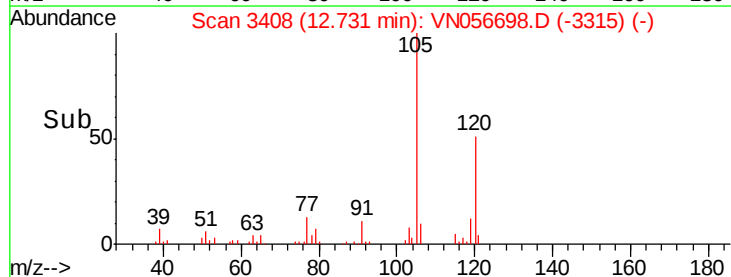
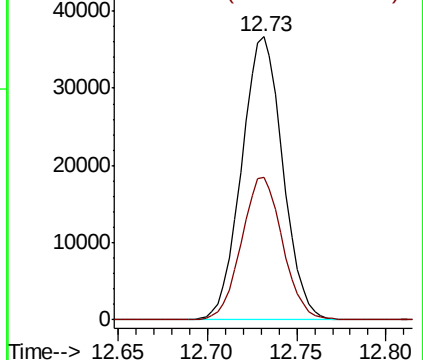
105 100

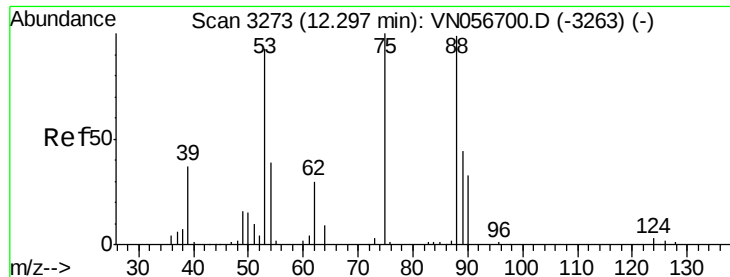
120 50.4 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056698.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056698.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.961 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

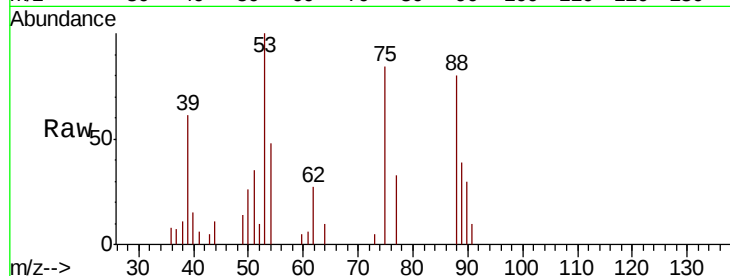
Tot Ion: 75 Resp: 4957

Ion Ratio Lower Upper

75 100

53 115.8 73.7 110.5#

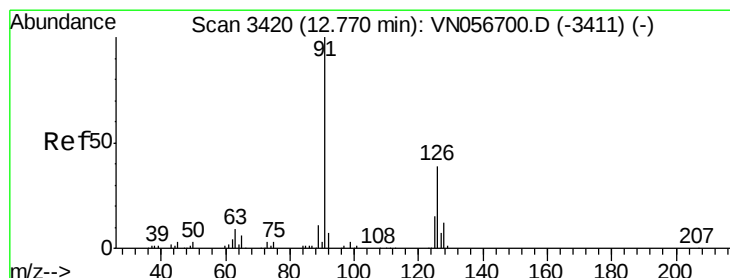
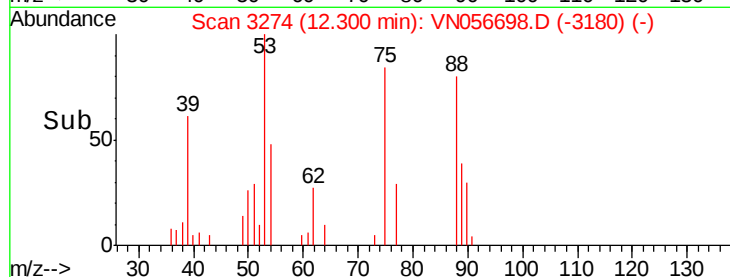
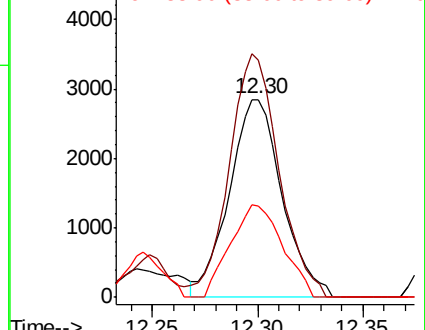
89 46.0 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.901 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056698.D

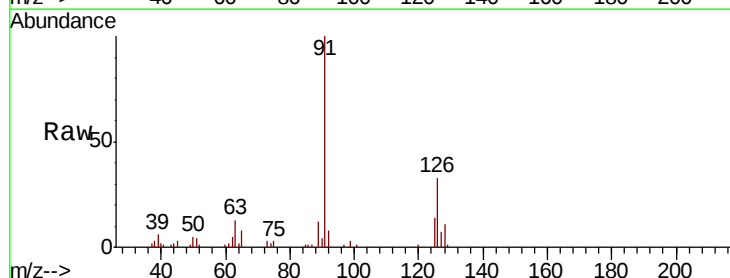
Acq: 15 Jul 2019 9:10

Tgt Ion: 91 Resp: 43069

Ion Ratio Lower Upper

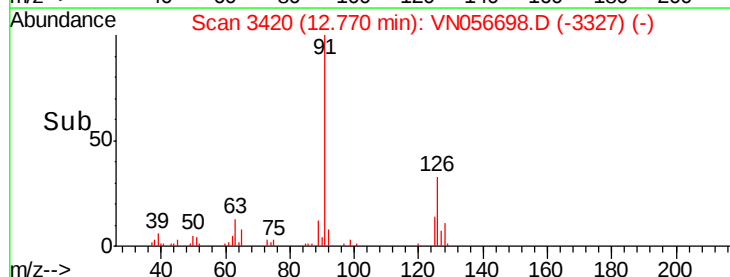
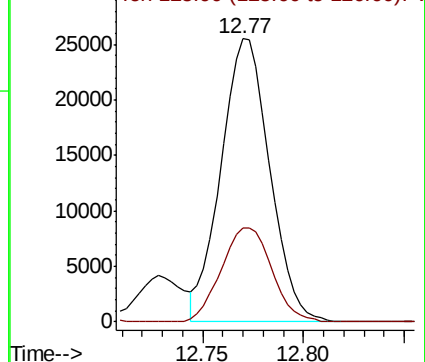
91 100

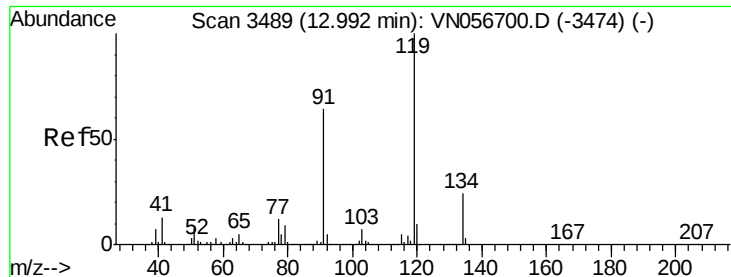
126 34.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

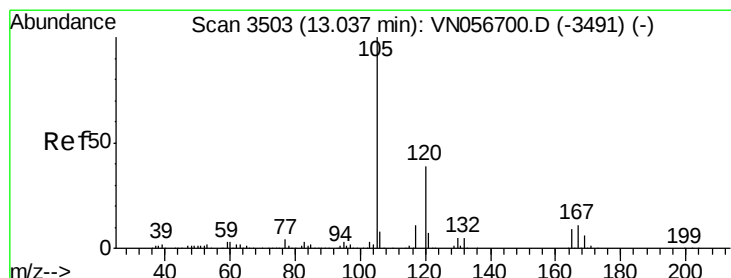
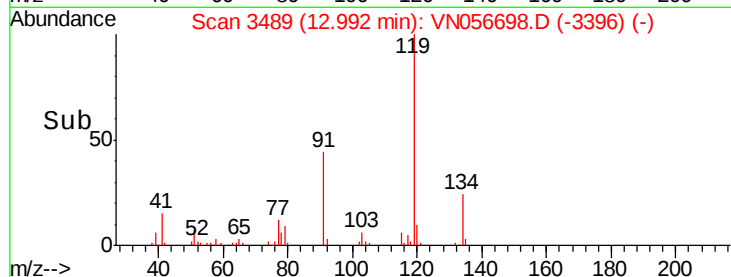
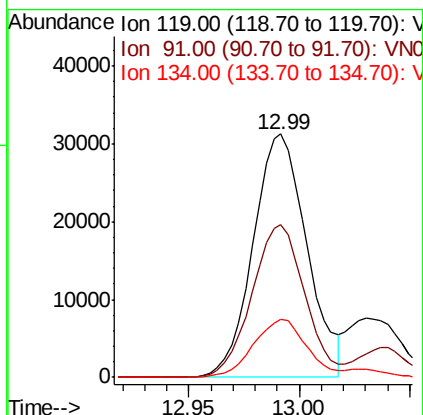
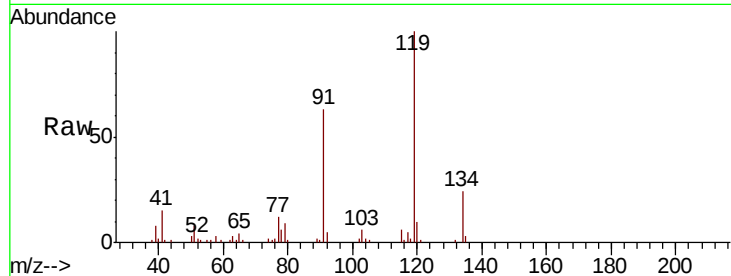




#83
tert-Butylbenzene
Concen: 4.992 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

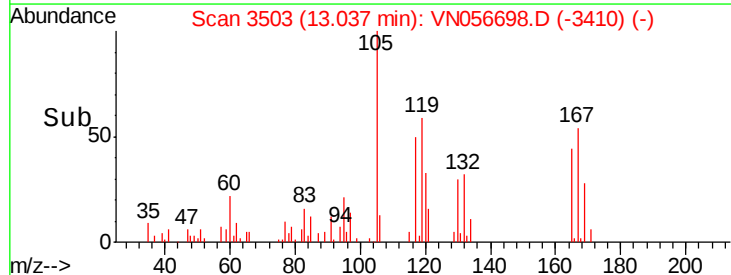
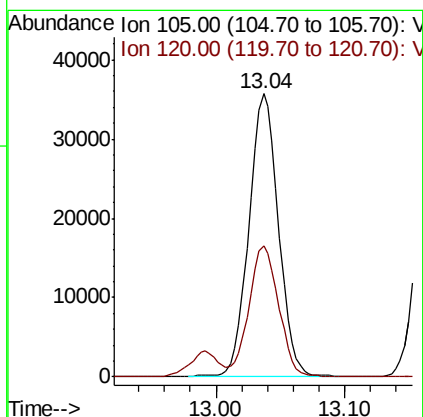
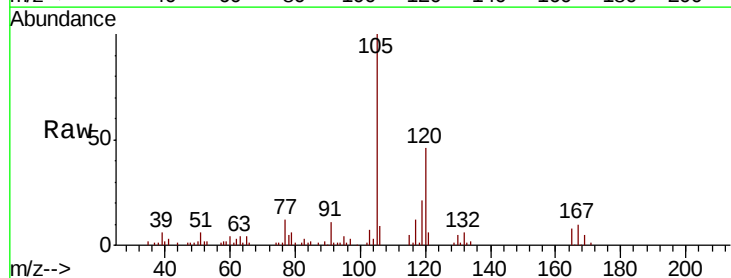
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

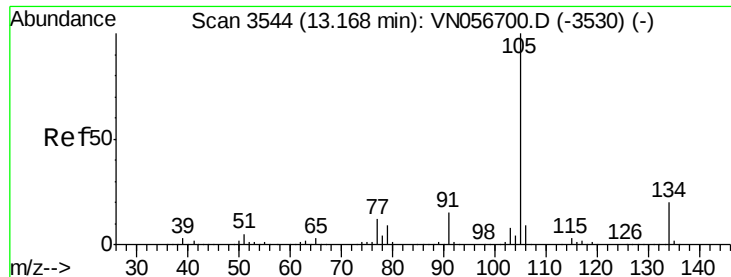
Tot Ion:119 Resp: 52899
Ion Ratio Lower Upper
119 100
91 61.4 31.8 95.4
134 23.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 5.210 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:105 Resp: 57120
Ion Ratio Lower Upper
105 100
120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 5.154 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

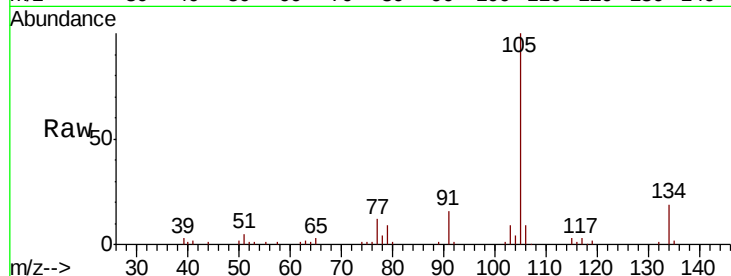
VSTDIC005

Tot Ion:105 Resp: 67207

Ion Ratio Lower Upper

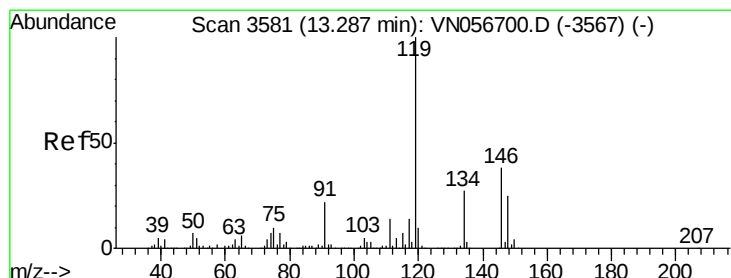
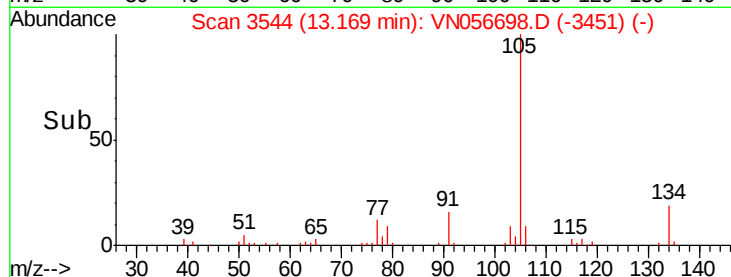
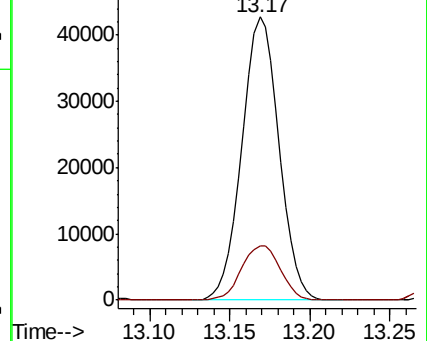
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.291 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

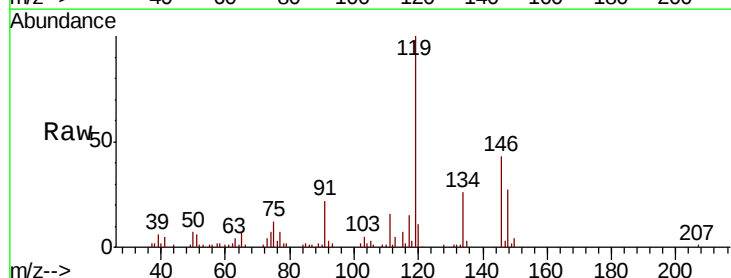
Tgt Ion:119 Resp: 59439

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.7

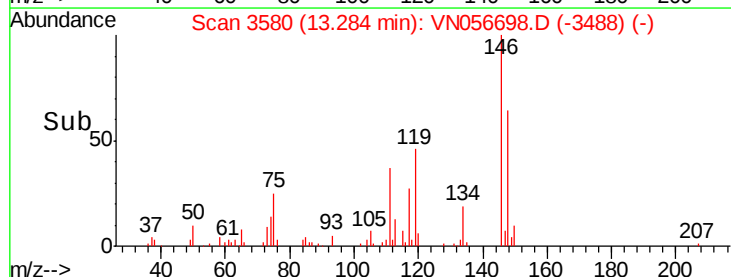
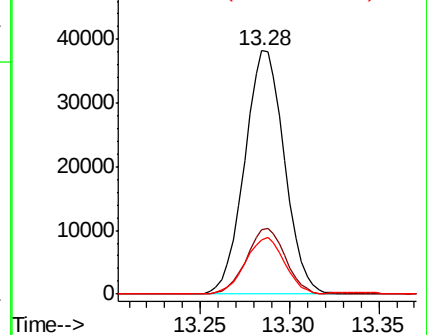
91 23.0 11.2 33.5

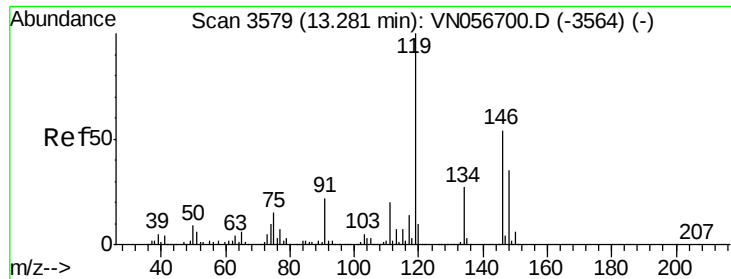


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

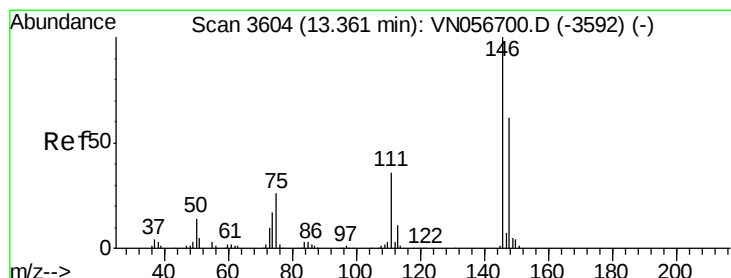
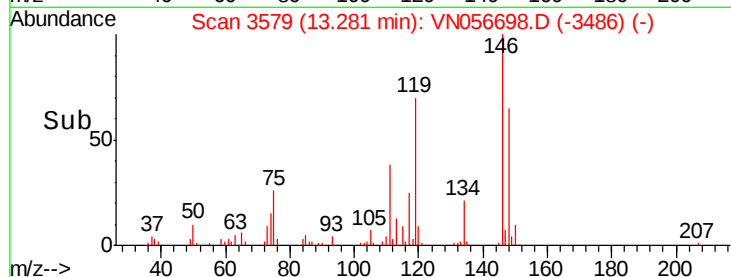
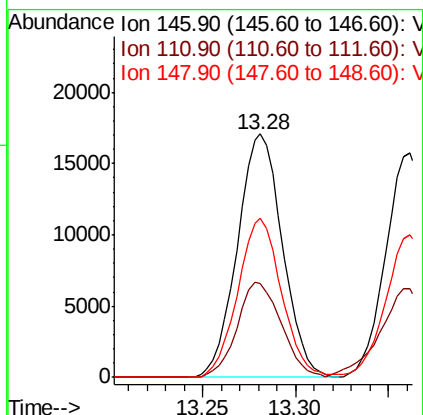
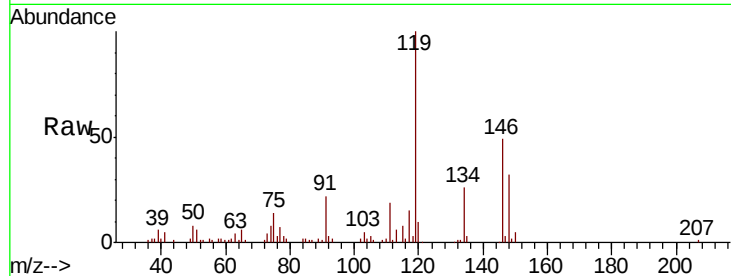




#87
 1,3-Dichlorobenzene
 Concen: 5.208 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

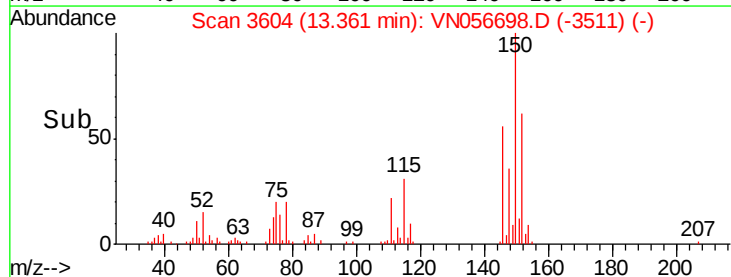
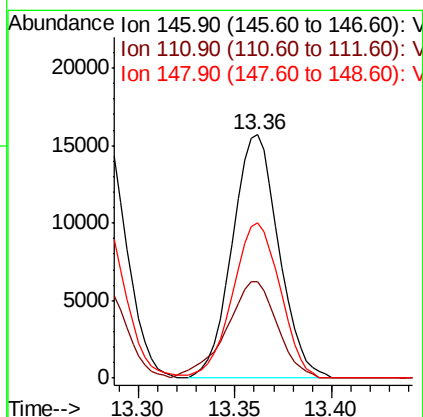
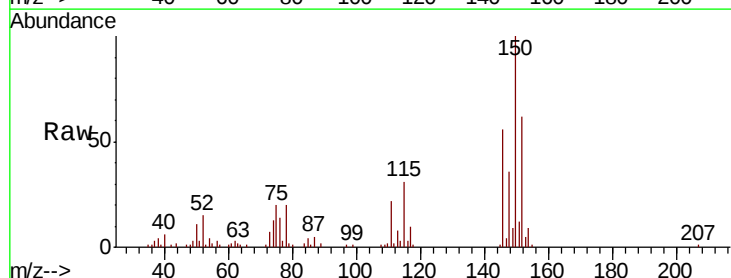
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

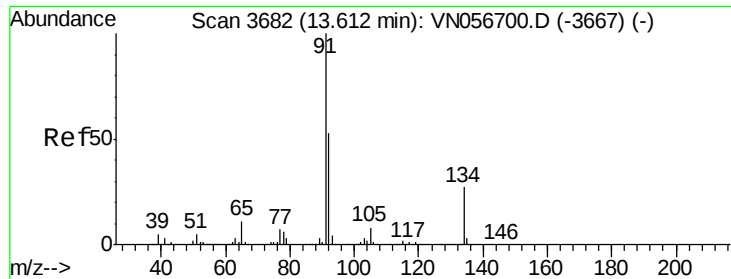
Tot Ion:146 Resp: 28742
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.8 56.3
 148 63.6 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 4.892 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion:146 Resp: 26254
 Ion Ratio Lower Upper
 146 100
 111 43.5 18.6 55.8
 148 65.4 31.9 95.7

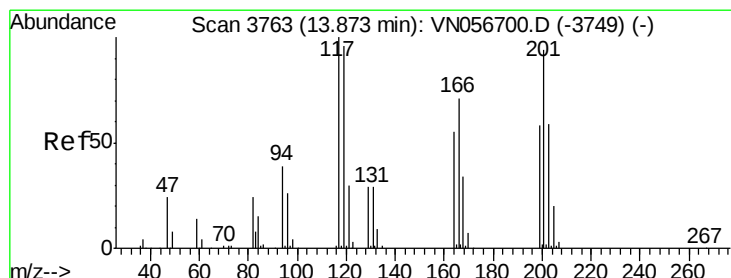
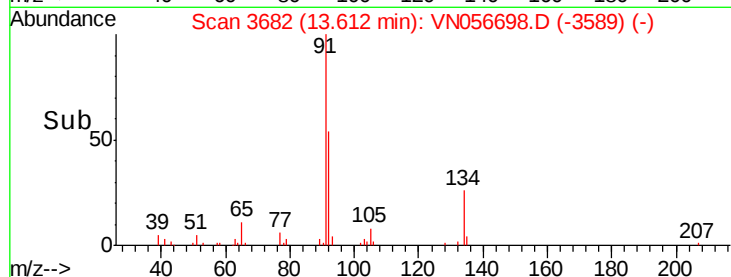
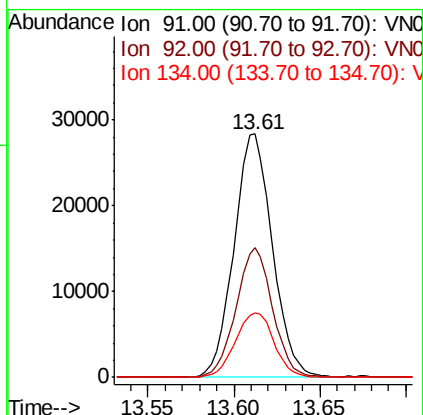
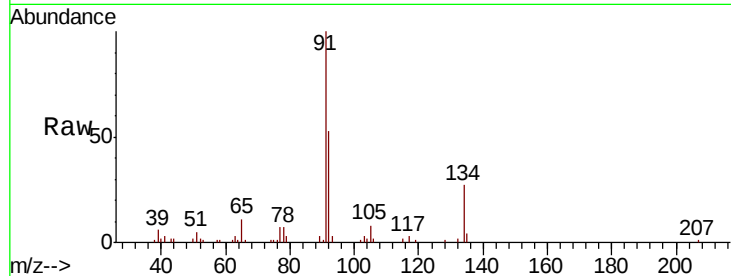




#89
n-Butylbenzene
Concen: 5.086 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

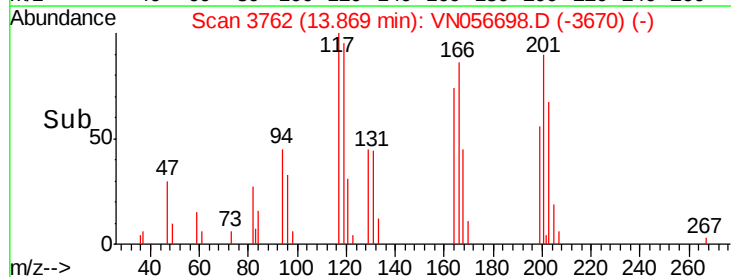
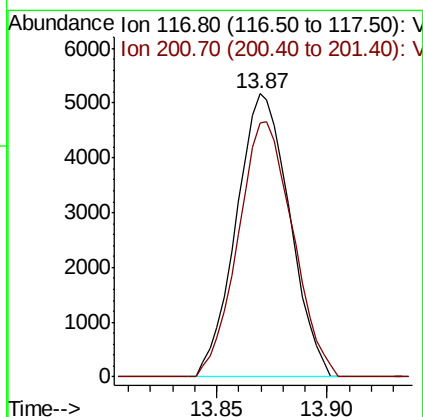
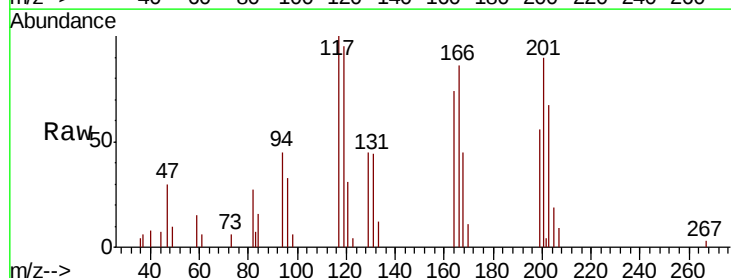
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

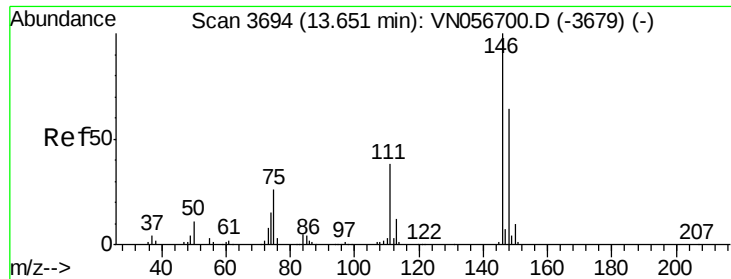
Tot Ion: 91 Resp: 43937
Ion Ratio Lower Upper
91 100
92 50.3 26.0 78.0
134 26.6 13.4 40.2



#90
Hexachloroethane
Concen: 4.907 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 117 Resp: 8662
Ion Ratio Lower Upper
117 100
201 92.5 46.5 139.5





#91

1,2-Dichlorobenzene

Concen: 5.229 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

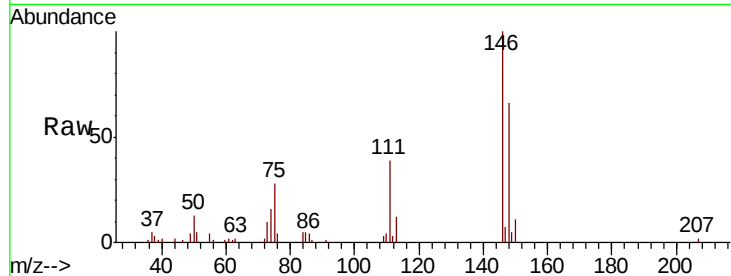
Tot Ion:146 Resp: 28683

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

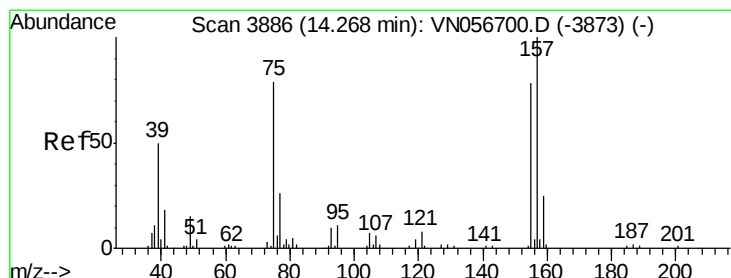
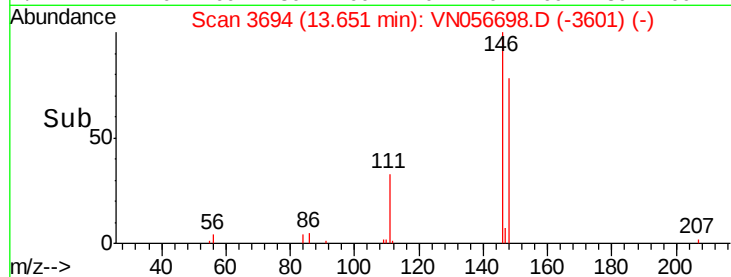
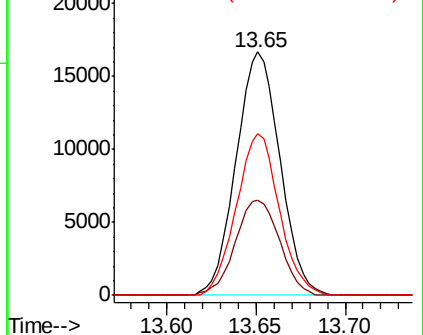
148 65.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.334 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

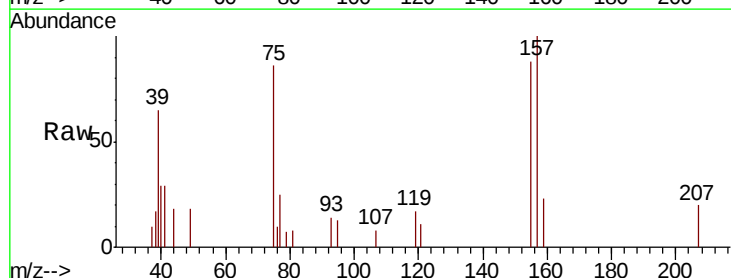
Tgt Ion: 75 Resp: 3279

Ion Ratio Lower Upper

75 100

155 94.1 49.3 147.9

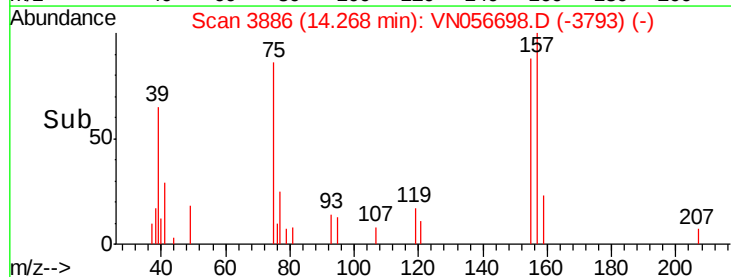
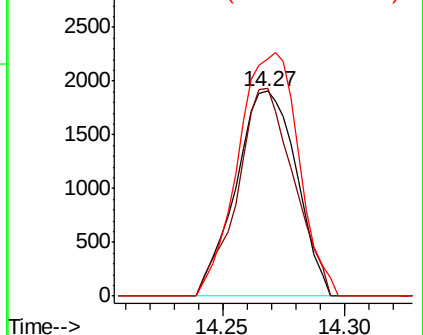
157 118.8 62.4 187.1

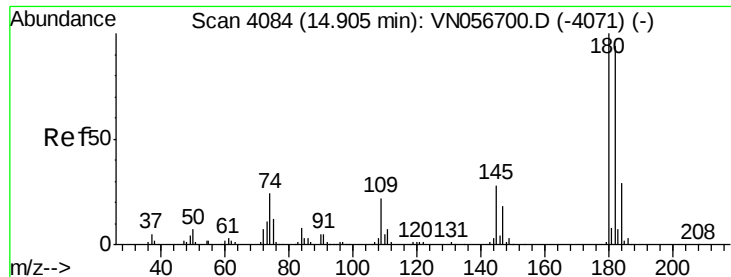


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

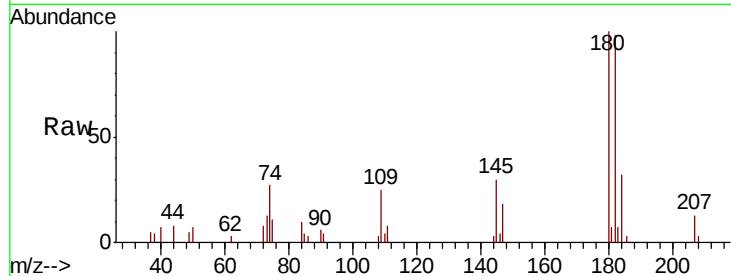




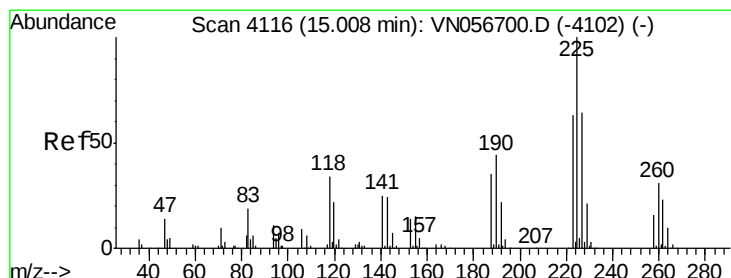
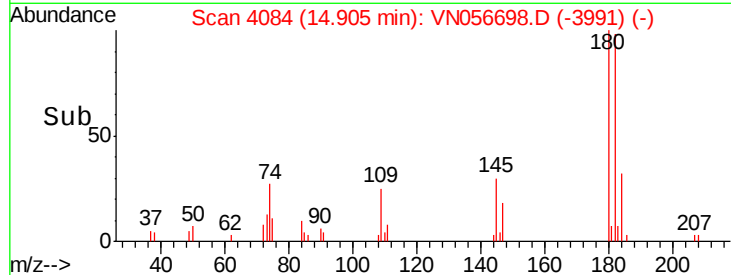
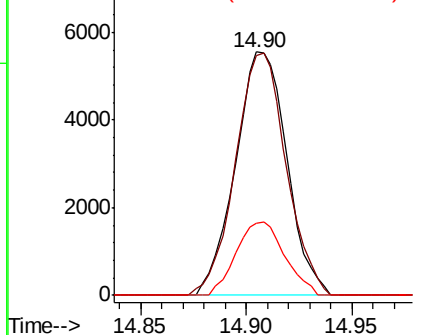
#93
 1,2,4-Trichlorobenzene
 Concen: 3.974 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 9407
 Ion Ratio Lower Upper
 180 100
 182 98.2 47.2 141.6
 145 28.3 14.2 42.8

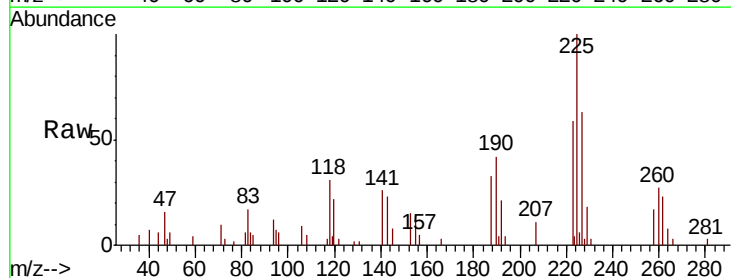


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

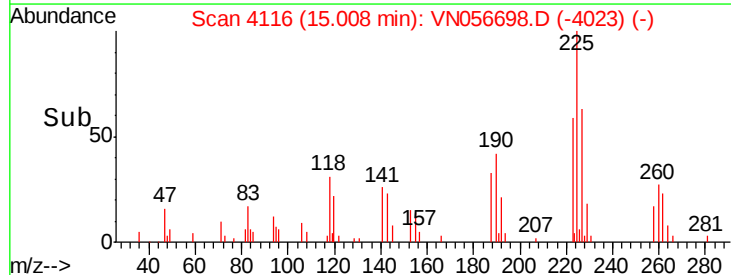
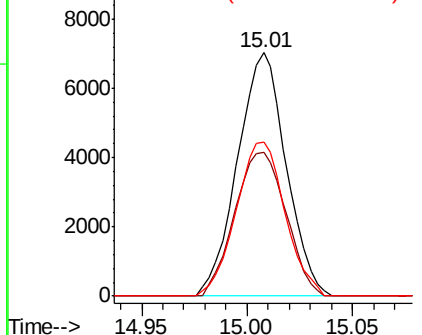


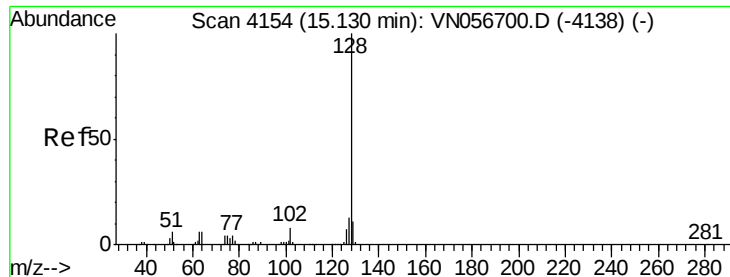
#94
 Hexachlorobutadiene
 Concen: 5.401 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion:225 Resp: 11234
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.5 94.5
 227 63.7 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.780 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

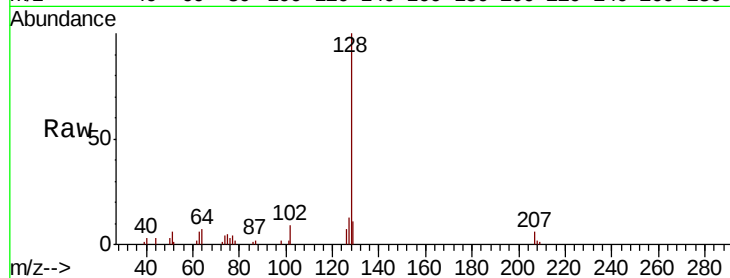
Tot Ion:128 Resp: 23622

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

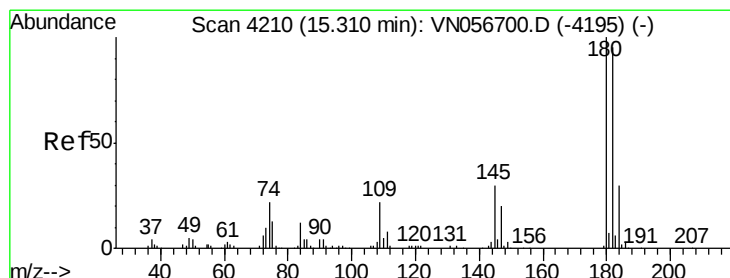
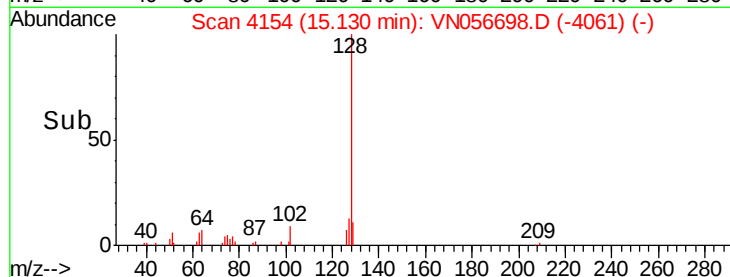
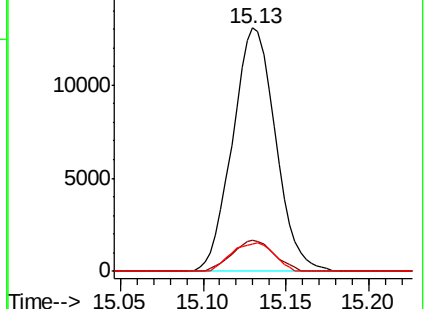
129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.389 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

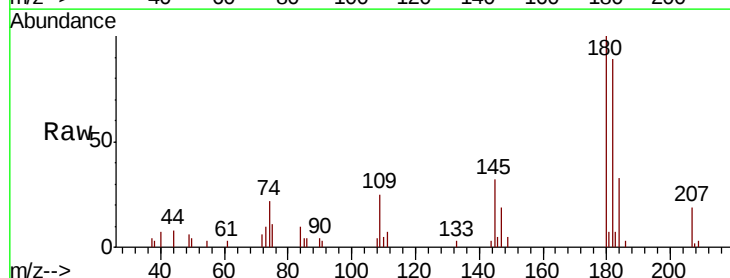
Tgt Ion:180 Resp: 11067

Ion Ratio Lower Upper

180 100

182 92.9 47.1 141.3

145 31.1 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

