

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055744.D
 Acq On : 23 May 2019 9:45
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 24 05:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153963	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	17368	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	
35) Dibromofluoromethane	7.59	113	15168	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	
50) Toluene-d8	10.09	98	58693	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.40	95	17795	4.24	ug/l	0.00
Spiked Amount			Recovery	=	8.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	12403	4.747	ug/l	99
3) Chloromethane	2.06	50	17214	4.885	ug/l	96
4) Vinyl Chloride	2.19	62	17980	4.730	ug/l	100
5) Bromomethane	2.54	94	12339	5.070	ug/l	96
6) Chloroethane	2.69	64	11177	5.235	ug/l	97
7) Trichlorofluoromethane	3.01	101	24191	4.964	ug/l	99
8) Diethyl Ether	3.40	74	10426	5.258	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14694	4.934	ug/l	98
10) Methyl Iodide	3.94	142	19619	4.539	ug/l	100
11) Tert butyl alcohol	4.81	59	14980	21.208	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	15088	4.814	ug/l	96
13) Acrolein	3.60	56	14621	35.987	ug/l	97
14) Allyl chloride	4.32	41	25111	4.956	ug/l	95
15) Acrylonitrile	4.99	53	38041	24.244	ug/l	99
16) Acetone	3.82	43	38409	24.761	ug/l	99
17) Carbon Disulfide	4.04	76	42268	4.854	ug/l	98
18) Methyl Acetate	4.33	43	19244	5.803	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	48972	4.735	ug/l	96
20) Methylene Chloride	4.55	84	17206	4.903	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	15728	4.717	ug/l	98
22) Diisopropyl ether	5.95	45	50322	4.995	ug/l	91
23) Vinyl Acetate	5.90	43	208015	24.339	ug/l	99
24) 1,1-Dichloroethane	5.84	63	29517	5.030	ug/l	97
25) 2-Butanone	6.84	43	53867	24.919	ug/l	96
26) 2,2-Dichloropropane	6.82	77	25569	4.920	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	18900	4.851	ug/l	100
28) Bromochloromethane	7.19	49	12824	4.949	ug/l #	97
29) Tetrahydrofuran	7.22	42	35111	24.567	ug/l	100
30) Chloroform	7.37	83	29314	4.850	ug/l	99
31) Cyclohexane	7.65	56	31926	5.703	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	25849	4.777	ug/l	99
36) 1,1-Dichloropropene	7.79	75	21769	4.860	ug/l	99
37) Ethyl Acetate	6.93	43	20795	5.123	ug/l	99
38) Carbon Tetrachloride	7.77	117	22554	4.703	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055744.D
 Acq On : 23 May 2019 9:45
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 24 05:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	26877	4.947	ug/l	99
40) Benzene	8.04	78	65252	4.923	ug/l	97
41) Methacrylonitrile	7.18	41	9298	5.276	ug/l	93
42) 1,2-Dichloroethane	8.12	62	21925	5.118	ug/l	100
43) Isopropyl Acetate	8.17	43	34931	4.939	ug/l #	92
44) Trichloroethene	8.83	130	18737	5.014	ug/l	96
45) 1,2-Dichloropropane	9.12	63	17607	5.048	ug/l	96
46) Dibromomethane	9.21	93	11400	4.986	ug/l	99
47) Bromodichloromethane	9.40	83	23089	4.838	ug/l	97
48) Methyl methacrylate	9.20	41	16625	5.247	ug/l	98
49) 1,4-Dioxane	9.21	88	6605	105.186	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	103330	24.727	ug/l	100
52) Toluene	10.16	92	41269	4.952	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	23378	4.560	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	26463	4.710	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16400	4.785	ug/l	94
56) Ethyl methacrylate	10.43	69	24571	4.590	ug/l	94
57) 1,3-Dichloropropane	10.71	76	26696	4.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	43528	19.584	ug/l	99
59) 2-Hexanone	10.75	43	71800	24.448	ug/l	98
60) Dibromochloromethane	10.90	129	18020	4.638	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16223	4.727	ug/l	95
64) Tetrachloroethene	10.63	164	18749	5.482	ug/l	97
65) Chlorobenzene	11.43	112	42514	4.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	16892	4.838	ug/l	96
67) Ethyl Benzene	11.51	91	76846	4.952	ug/l	99
68) m/p-Xylenes	11.62	106	57694	9.844	ug/l	100
69) o-Xylene	11.95	106	29699	5.165	ug/l	98
70) Styrene	11.96	104	44242	4.640	ug/l	99
71) Bromoform	12.13	173	13960	4.706	ug/l #	98
73) Isopropylbenzene	12.25	105	74332	5.909	ug/l	100
74) N-amyl acetate	12.07	43	26975	6.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	22568	5.826	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	27582	8.692	ug/l #	100
77) Bromobenzene	12.53	156	18670	5.865	ug/l	96
78) n-propylbenzene	12.59	91	73460	5.388	ug/l	98
79) 2-Chlorotoluene	12.67	91	47903	5.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	61401	5.811	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6590	5.458	ug/l	94
82) 4-Chlorotoluene	12.77	91	42666	5.307	ug/l	99
83) tert-Butylbenzene	12.99	119	55408	5.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	59982	5.764	ug/l	100
85) sec-Butylbenzene	13.17	105	67822	5.761	ug/l	100
86) p-Isopropyltoluene	13.29	119	59878	5.534	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26578	5.082	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	24414	4.908	ug/l	93
89) n-Butylbenzene	13.61	91	41399	4.925	ug/l	98
90) Hexachloroethane	13.87	117	11943	5.782	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	27898	5.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3833	5.562	ug/l	93

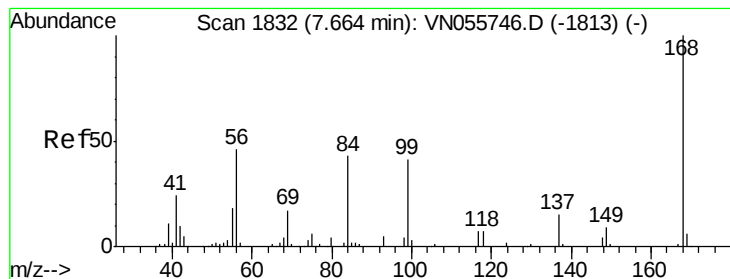
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055744.D
Acq On : 23 May 2019 9:45
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: May 24 05:47:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9650	3.691	ug/l	96
94) Hexachlorobutadiene	15.01	225	11209	6.044	ug/l	96
95) Naphthalene	15.13	128	28437	4.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11668	4.231	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

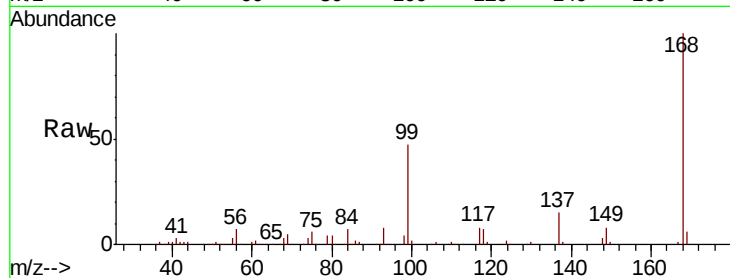
VSTDIC005

Tot Ion:168 Resp: 345962

Ion Ratio Lower Upper

168 100

99 46.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

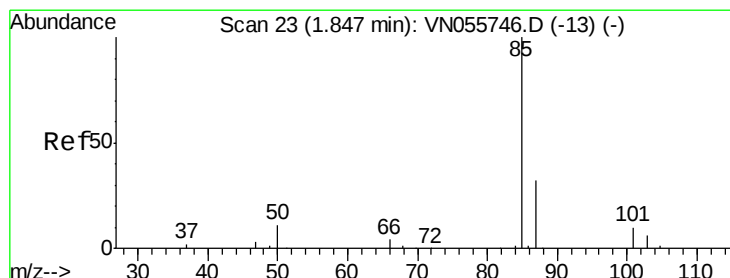
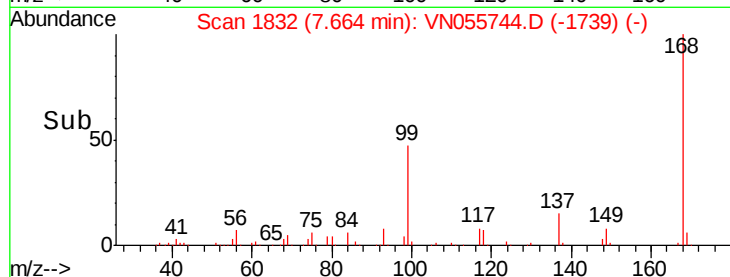
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.747 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055744.D

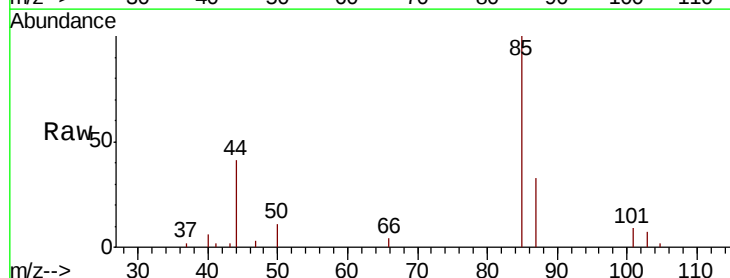
Acq: 23 May 2019 9:45

Tgt Ion: 85 Resp: 12403

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

8000

6000

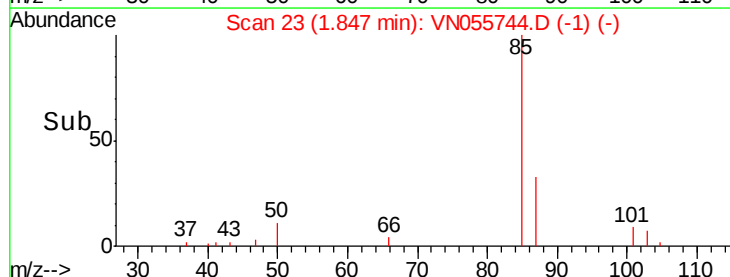
4000

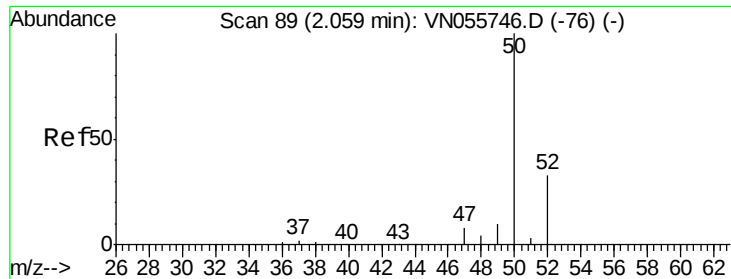
2000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.885 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

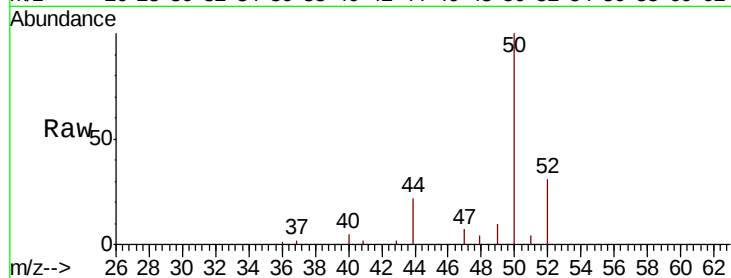
VSTDIC005

Tot Ion: 50 Resp: 17214

Ion Ratio Lower Upper

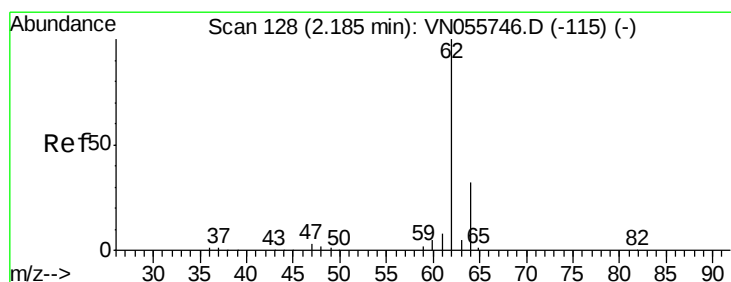
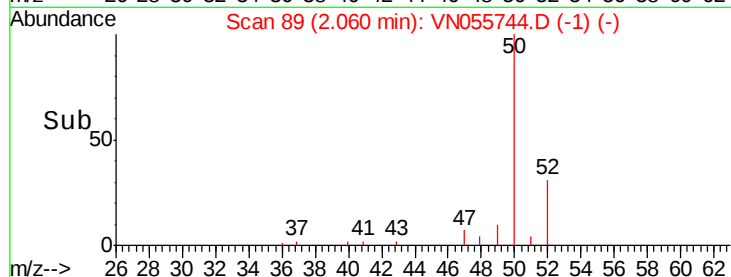
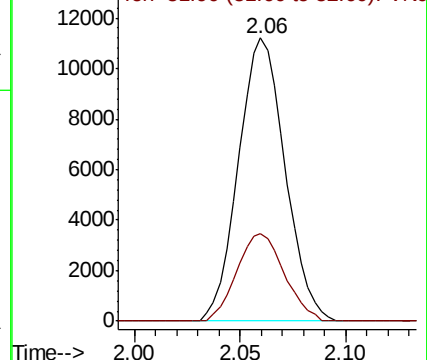
50 100

52 31.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 4.730 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055744.D

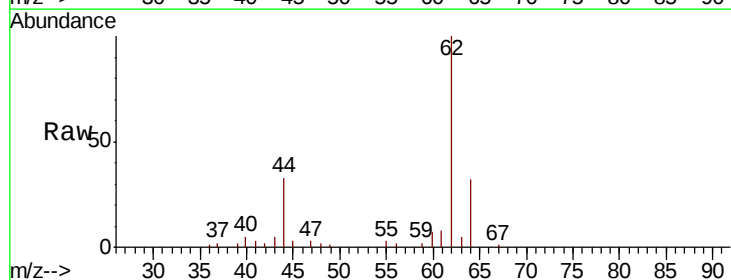
Acq: 23 May 2019 9:45

Tgt Ion: 62 Resp: 17980

Ion Ratio Lower Upper

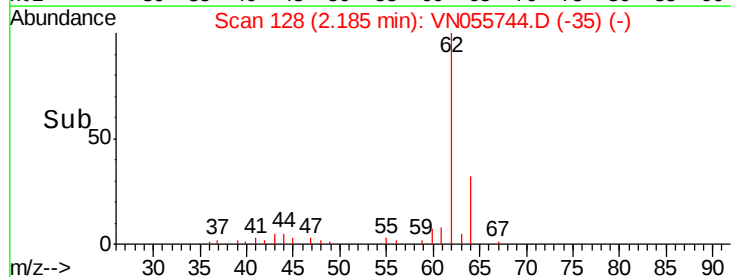
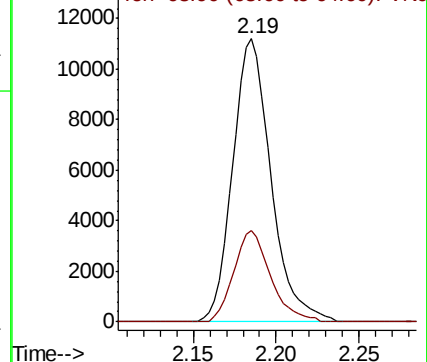
62 100

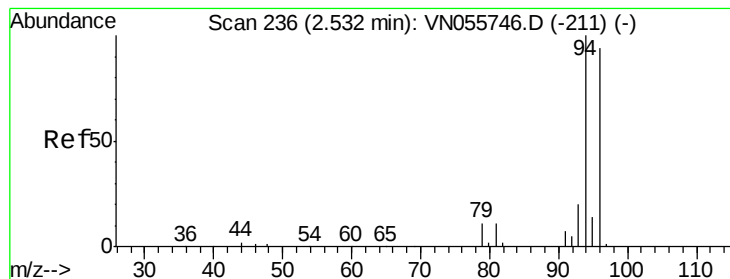
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 5.070 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

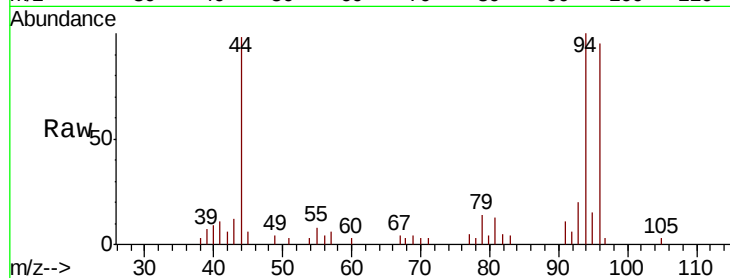
VSTDIC005

Tot Ion: 94 Resp: 12339

Ion Ratio Lower Upper

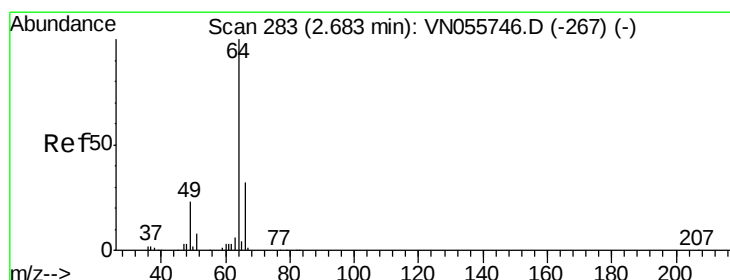
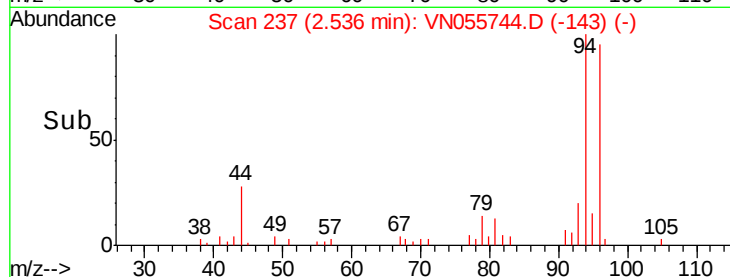
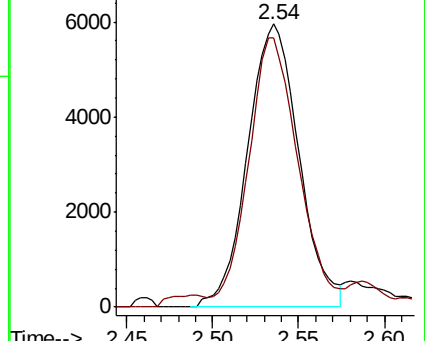
94 100

96 90.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.235 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055744.D

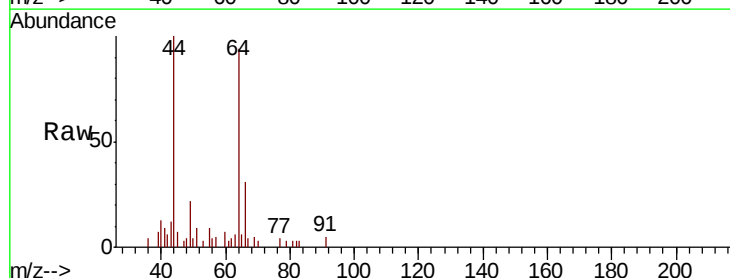
Acq: 23 May 2019 9:45

Tgt Ion: 64 Resp: 11177

Ion Ratio Lower Upper

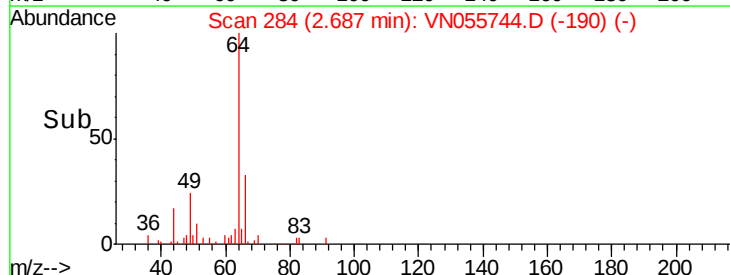
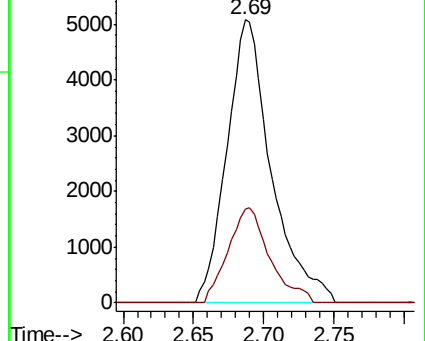
64 100

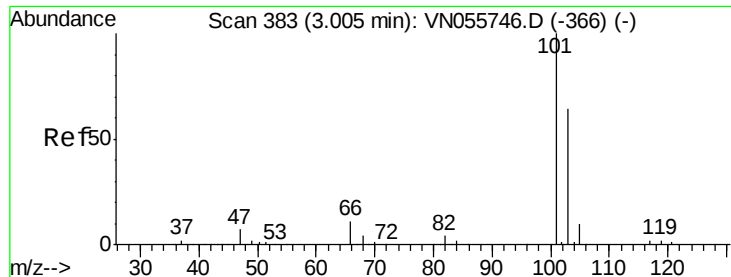
66 33.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 4.964 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

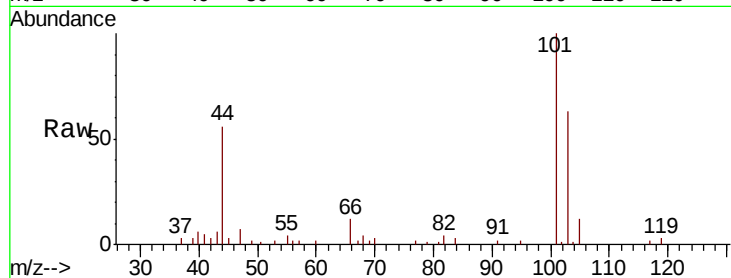
VSTDIC005

Tot Ion:101 Resp: 24191

Ion Ratio Lower Upper

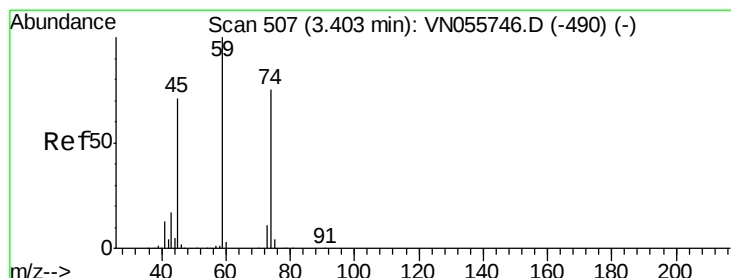
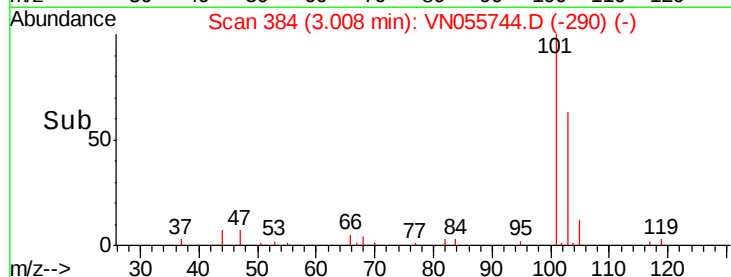
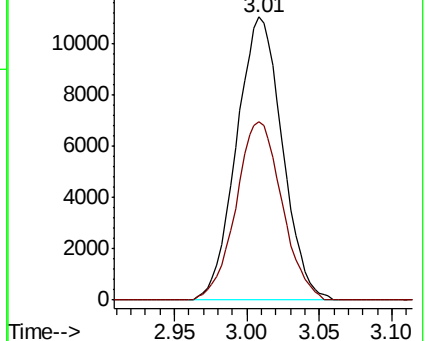
101 100

103 62.9 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.258 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN055744.D

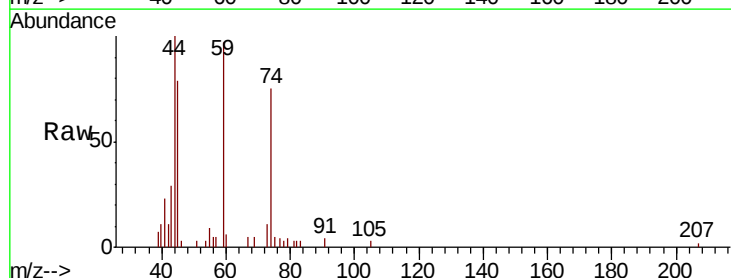
Acq: 23 May 2019 9:45

Tgt Ion: 74 Resp: 10426

Ion Ratio Lower Upper

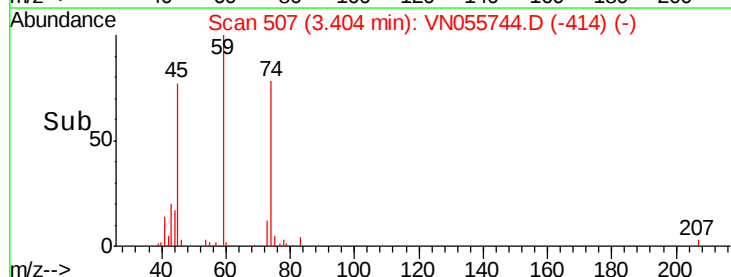
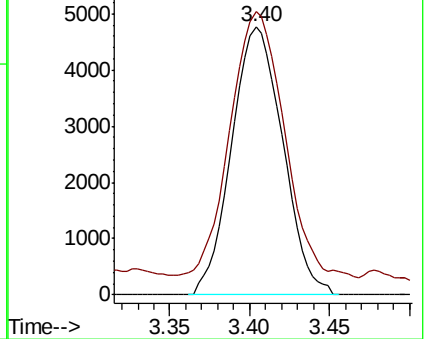
74 100

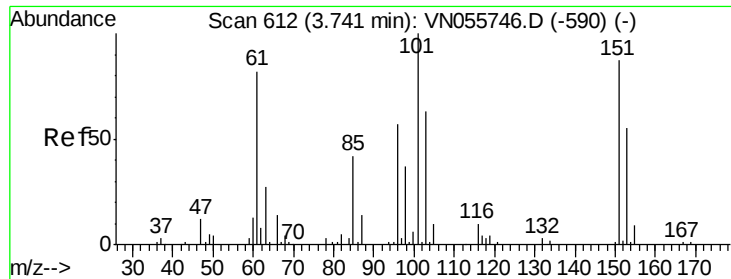
45 105.4 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.934 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

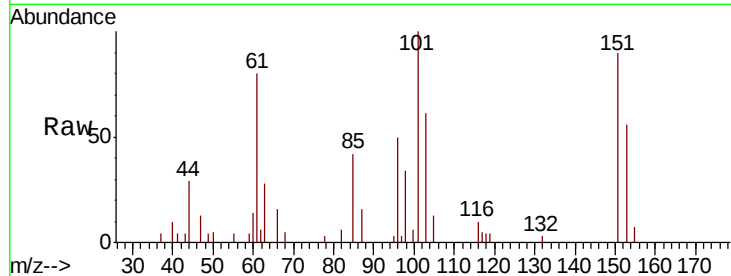
Tot Ion:101 Resp: 14694

Ion Ratio Lower Upper

101 100

85 43.3 33.4 50.2

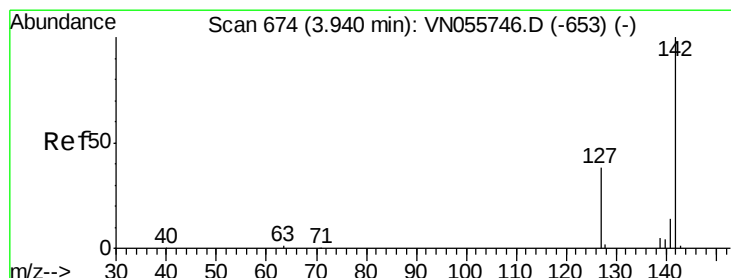
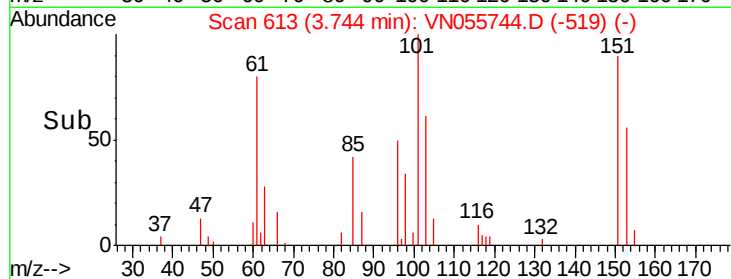
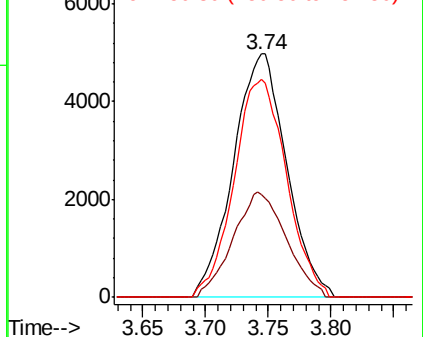
151 88.0 69.4 104.2



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: 4.539 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

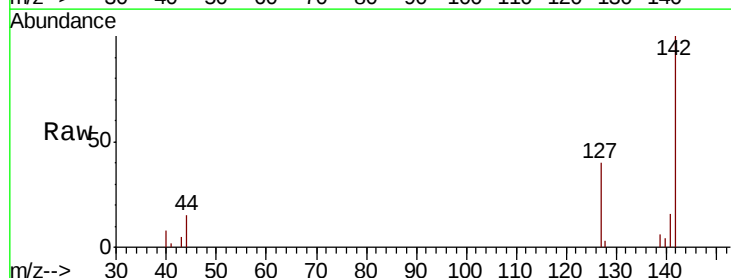
Tgt Ion:142 Resp: 19619

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

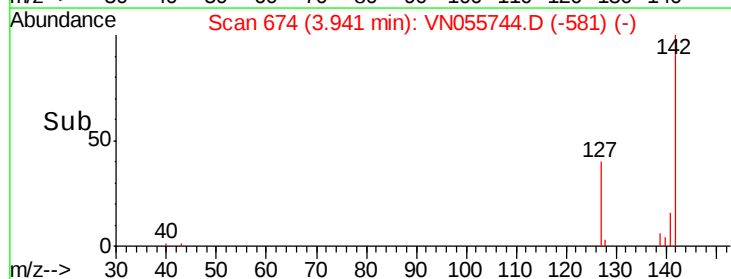
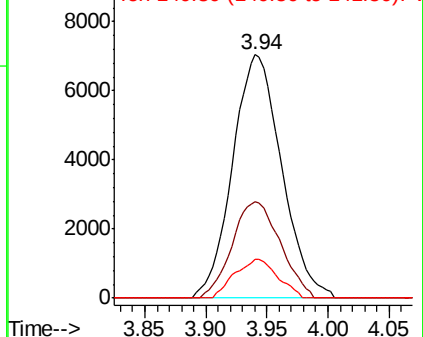
141 14.0 11.4 17.0

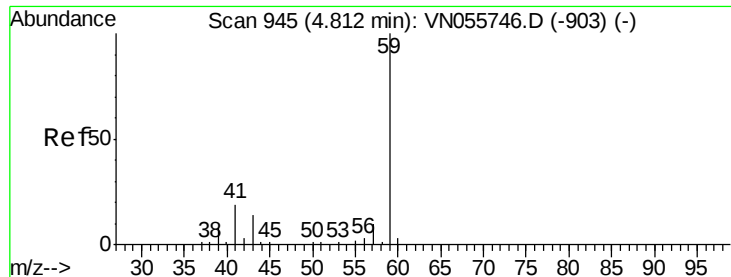


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

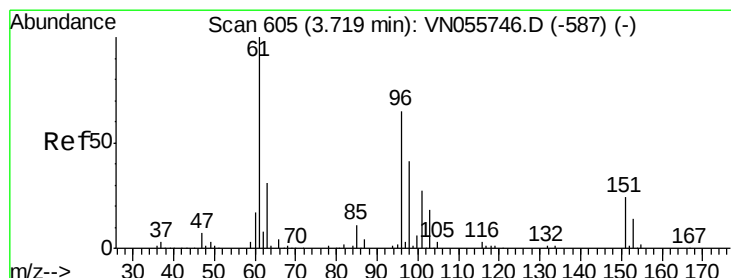
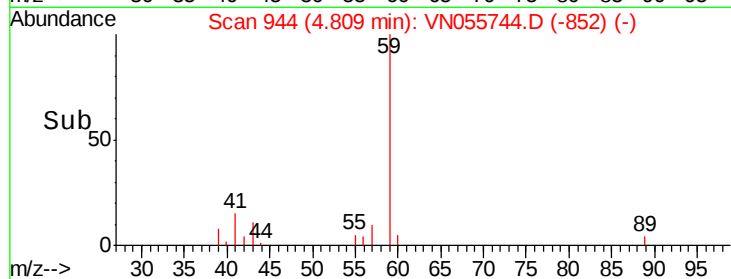
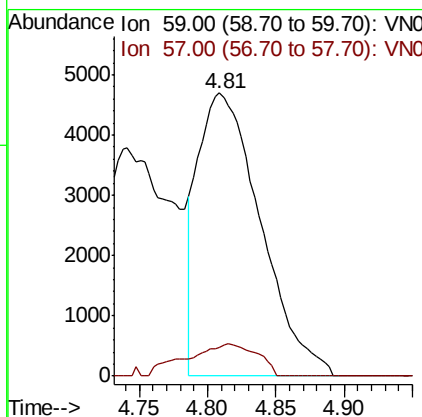
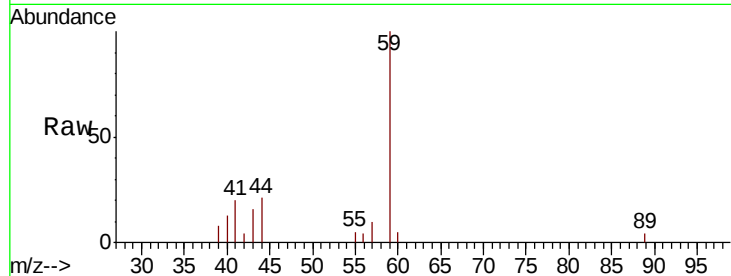




#11
Tert butyl alcohol
Concen: 21.208 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

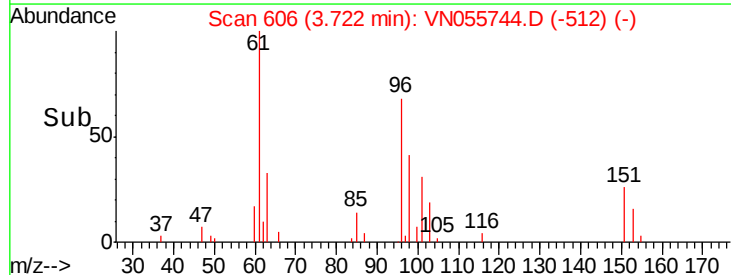
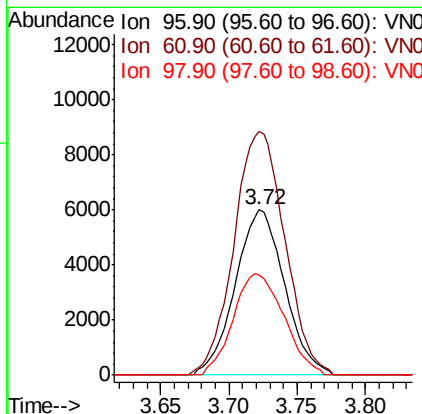
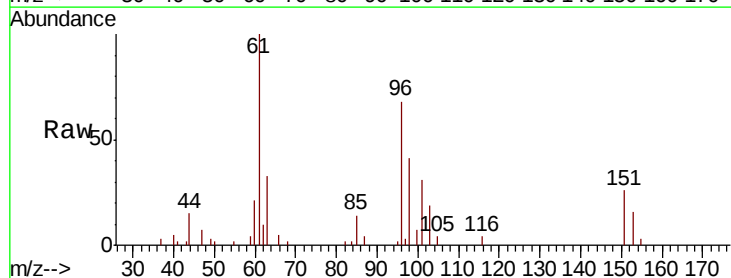
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

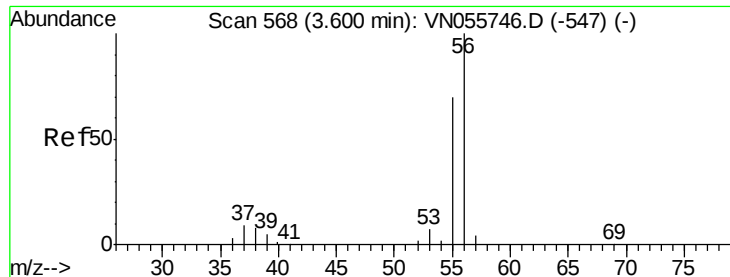
Tot Ion: 59 Resp: 14980
Ion Ratio Lower Upper
59 100
57 12.9 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 4.814 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 96 Resp: 15088
Ion Ratio Lower Upper
96 100
61 147.5 123.2 184.8
98 60.9 50.4 75.6





#13

Acrolein

Concen: 35.987 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

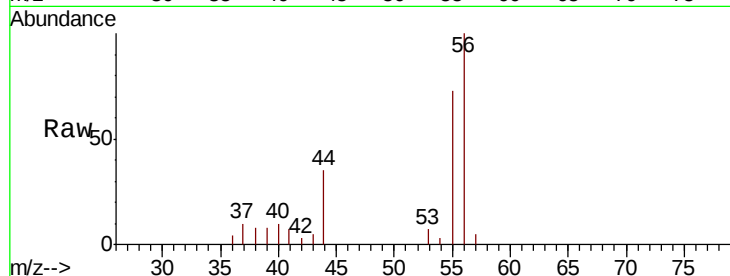
VSTDIC005

Tot Ion: 56 Resp: 14621

Ion Ratio Lower Upper

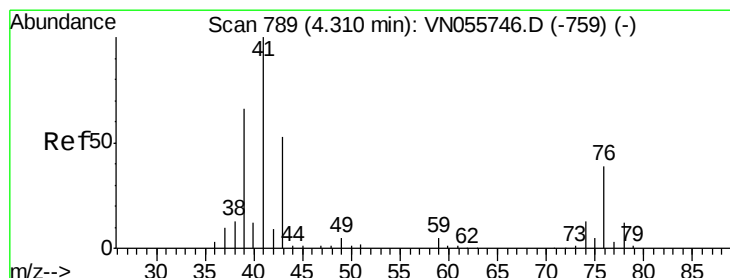
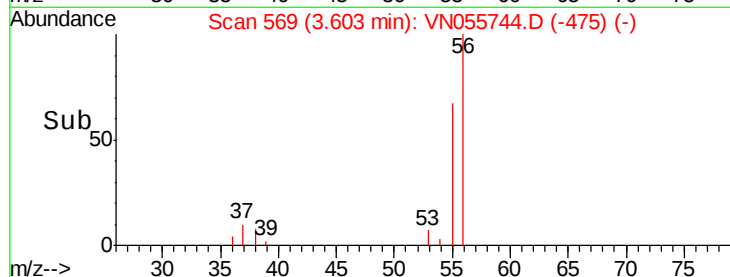
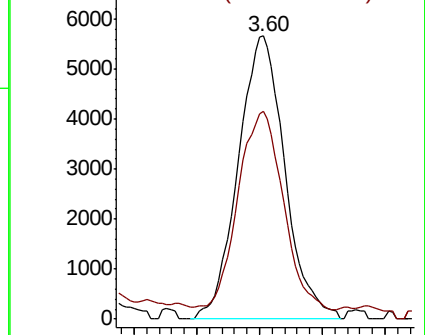
56 100

55 67.1 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.956 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

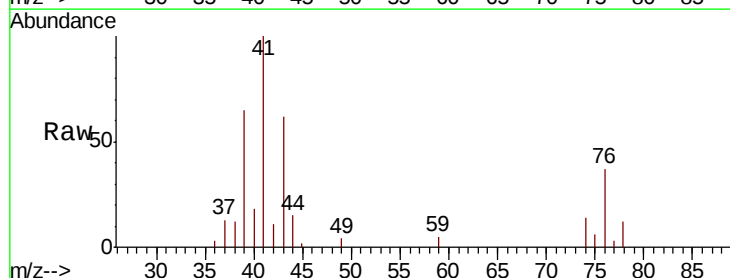
Tgt Ion: 41 Resp: 25111

Ion Ratio Lower Upper

41 100

39 67.9 50.0 75.0

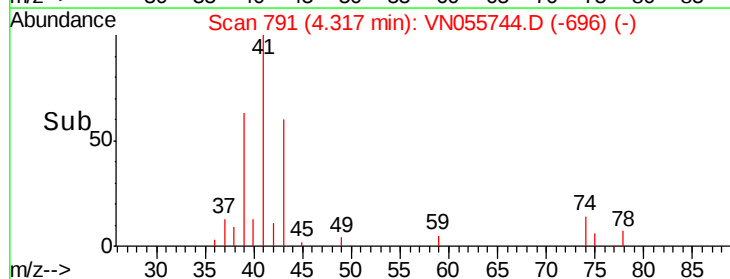
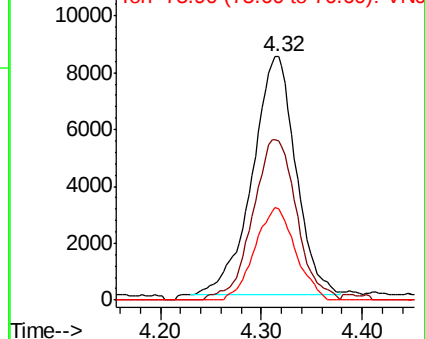
76 36.0 28.2 42.2

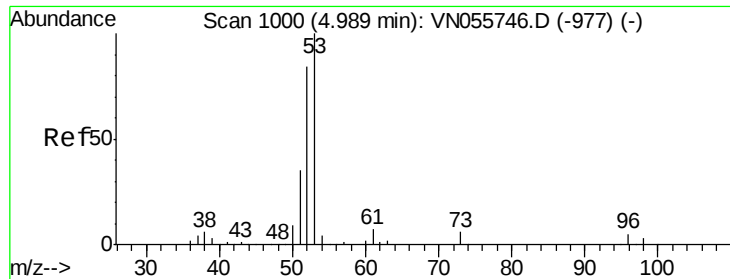


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.244 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

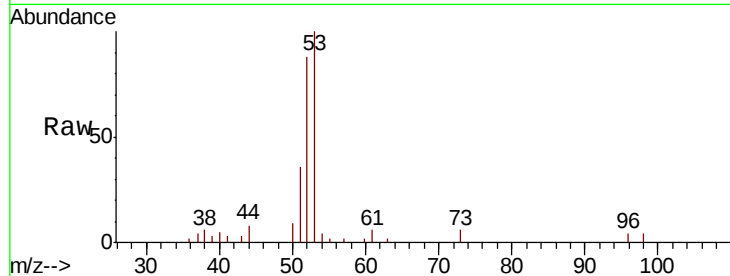
Tot Ion: 53 Resp: 38041

Ion Ratio Lower Upper

53 100

52 83.5 65.8 98.8

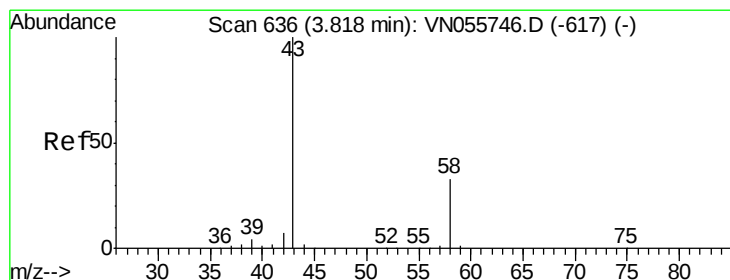
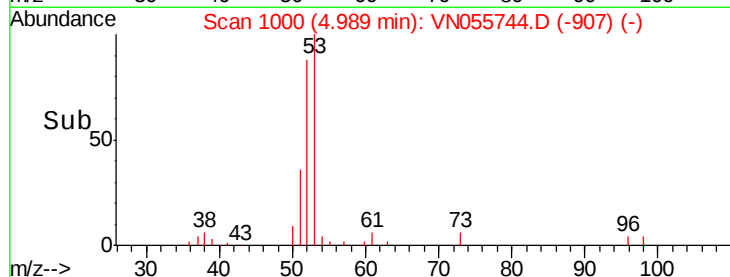
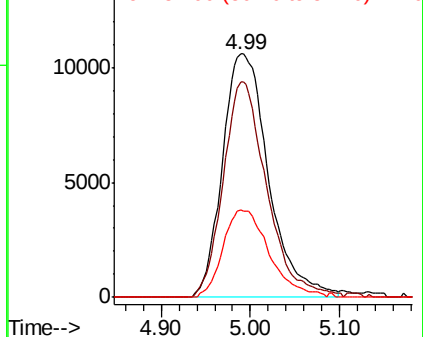
51 35.9 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 24.761 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055744.D

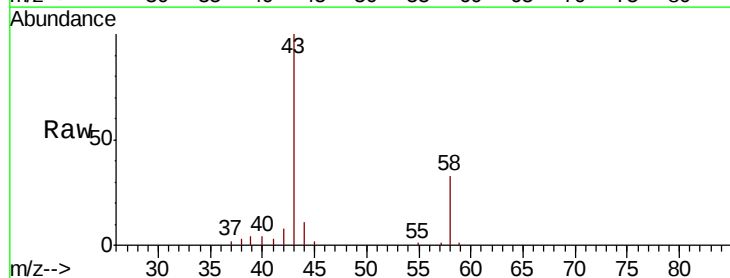
Acq: 23 May 2019 9:45

Tgt Ion: 43 Resp: 38409

Ion Ratio Lower Upper

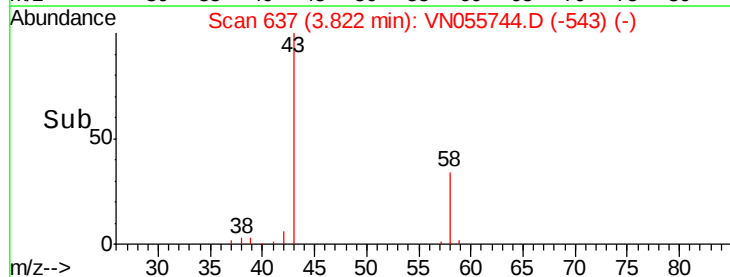
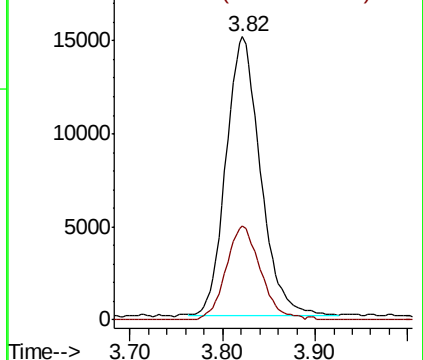
43 100

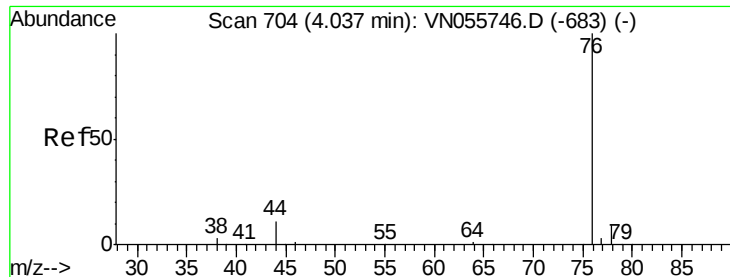
58 33.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

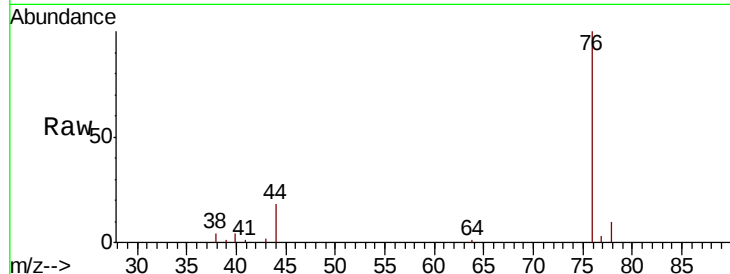




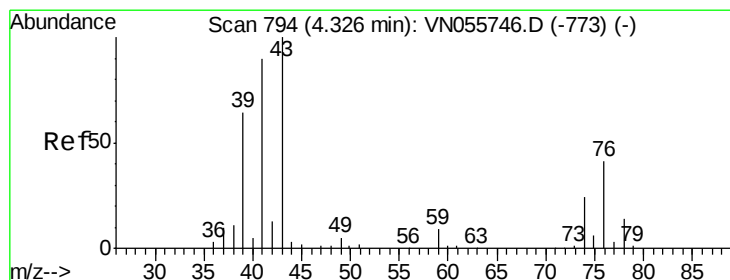
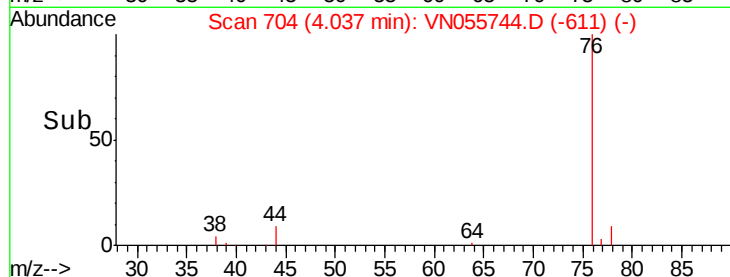
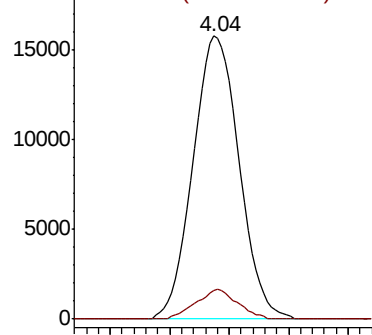
#17
Carbon Disulfide
Concen: 4.854 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 42268
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

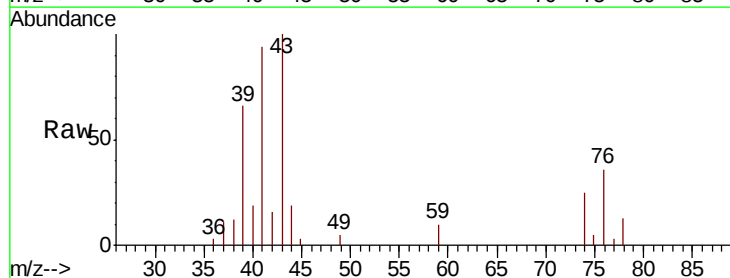


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

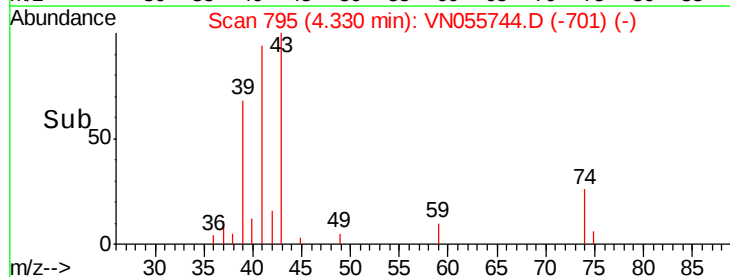
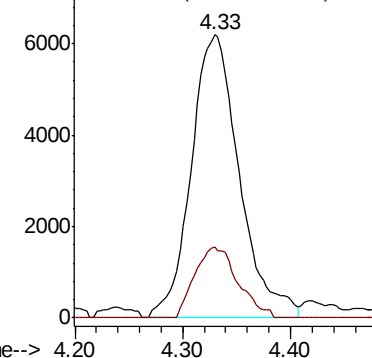


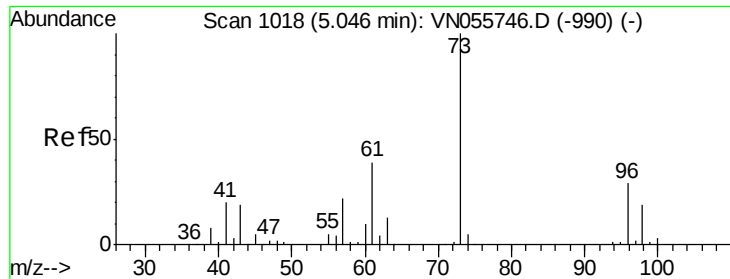
#18
Methyl Acetate
Concen: 5.803 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 43 Resp: 19244
Ion Ratio Lower Upper
43 100
74 22.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

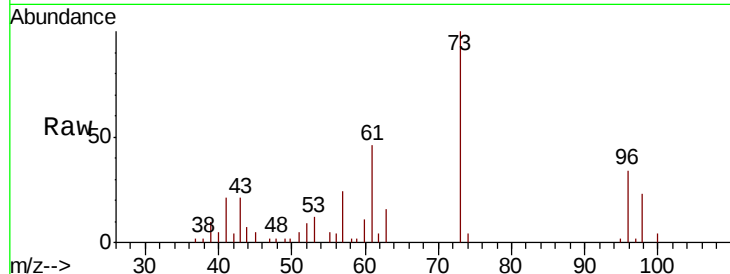




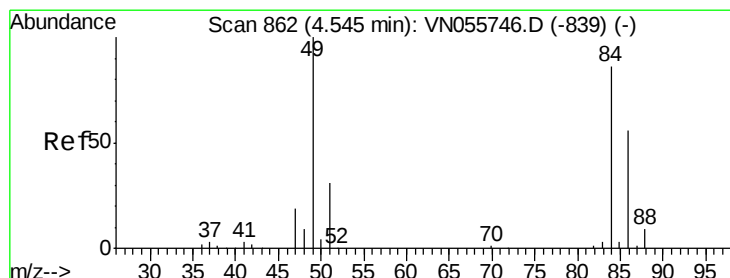
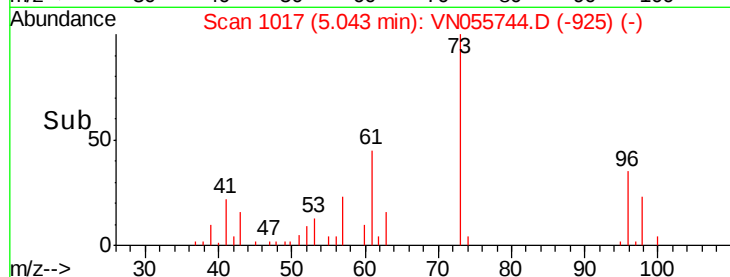
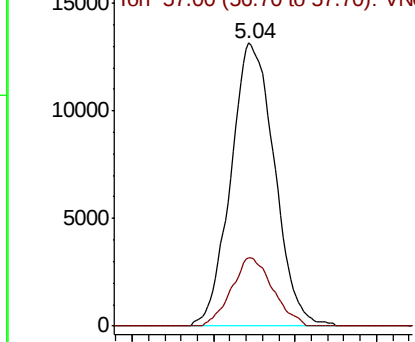
#19
Methyl tert-butyl Ether
Concen: 4.735 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 48972
Ion Ratio Lower Upper
73 100
57 24.0 17.8 26.8

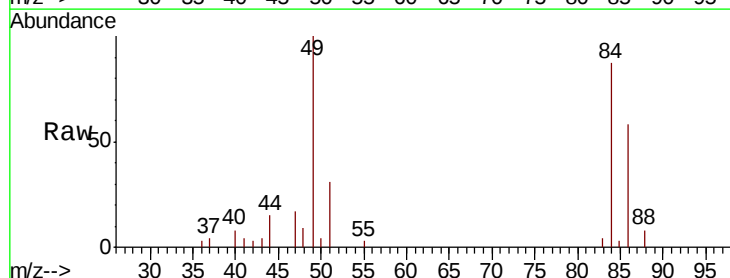


Abundance Ion 73.00 (72.70 to 73.70): VN055746.D (-990) (-)
Ion 57.00 (56.70 to 57.70): VN055746.D (-990) (-)

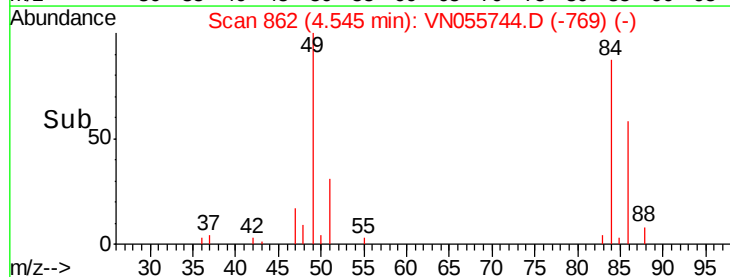
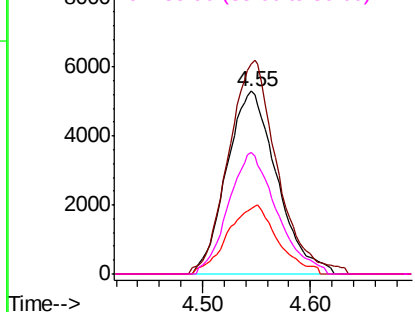


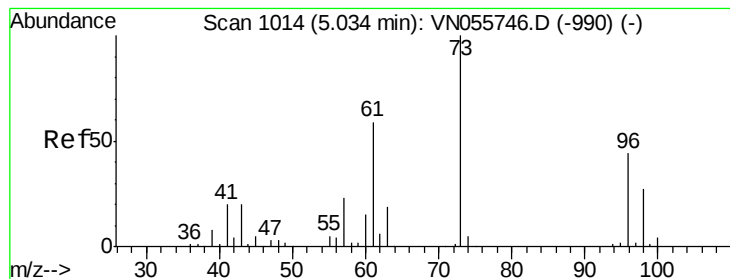
#20
Methylene Chloride
Concen: 4.903 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 84 Resp: 17206
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 35.8 28.6 43.0
86 66.6 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055746.D (-839) (-)
Ion 48.90 (48.60 to 49.60): VN055746.D (-839) (-)
Ion 50.90 (50.60 to 51.60): VN055746.D (-839) (-)
Ion 85.90 (85.60 to 86.60): VN055746.D (-839) (-)





#21

trans-1,2-Dichloroethene

Concen: 4.717 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

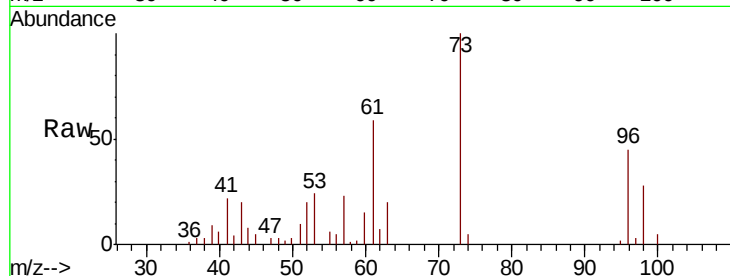
Tot Ion: 96 Resp: 15728

Ion Ratio Lower Upper

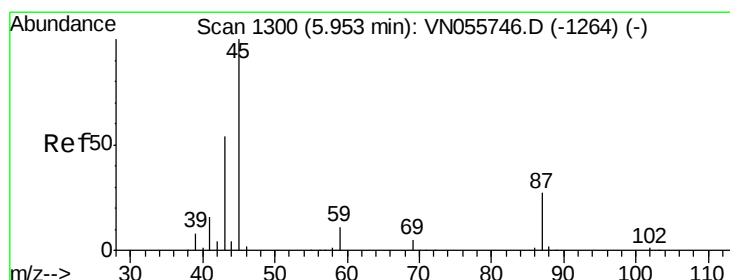
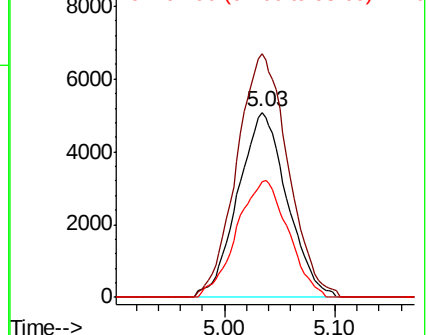
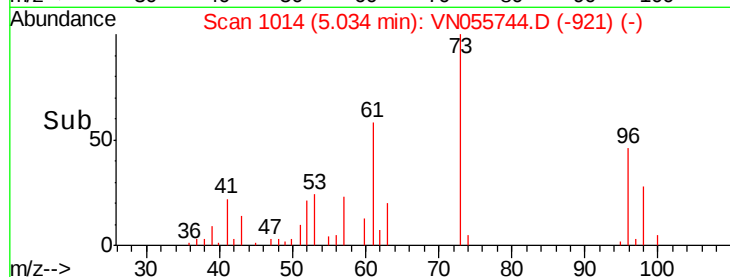
96 100

61 131.5 107.8 161.8

98 62.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055744.D (-1207) (-)



#22

Diisopropyl ether

Concen: 4.995 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion: 45 Resp: 50322

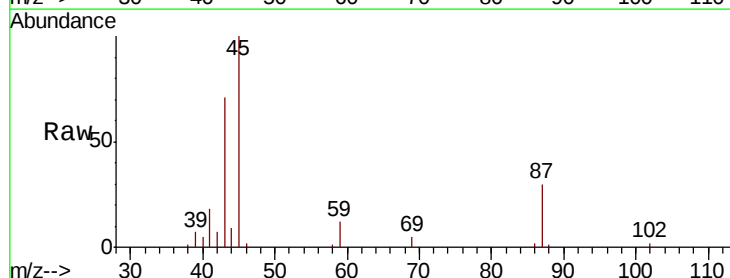
Ion Ratio Lower Upper

45 100

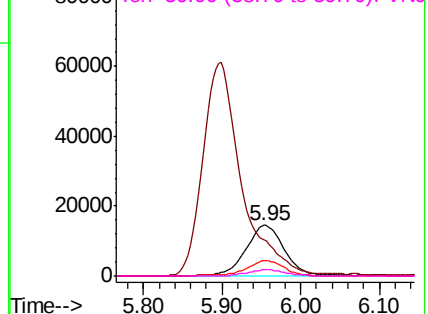
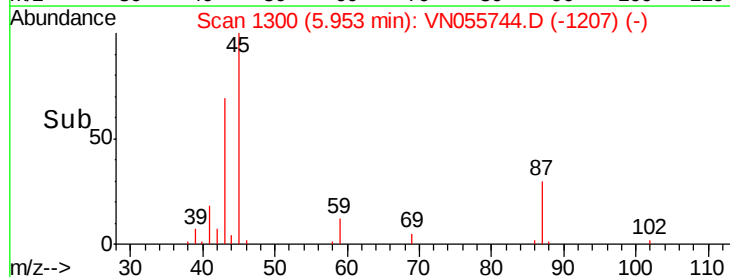
43 66.0 45.0 67.6

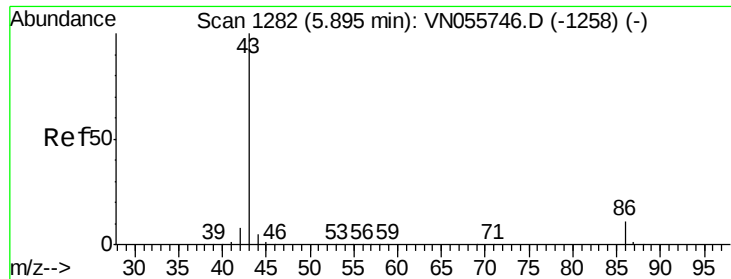
87 29.8 22.2 33.4

59 12.2 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN055744.D (-1207) (-)





#23

Vinyl Acetate

Concen: 24.339 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

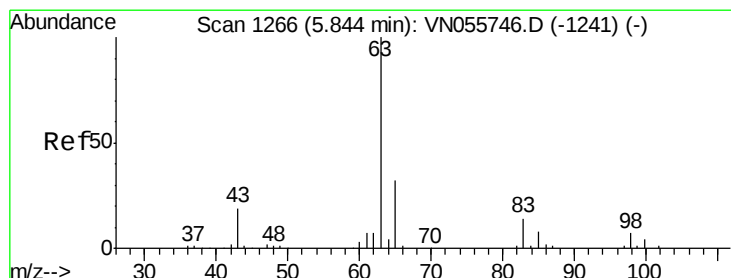
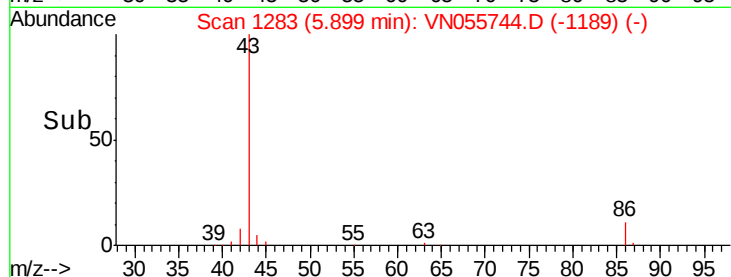
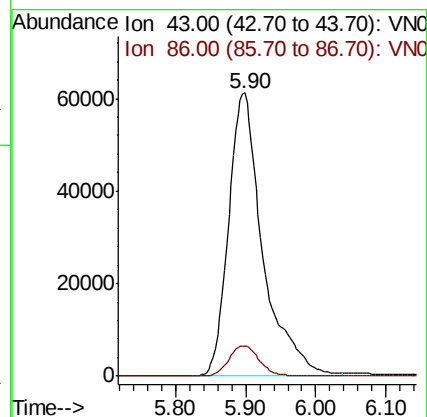
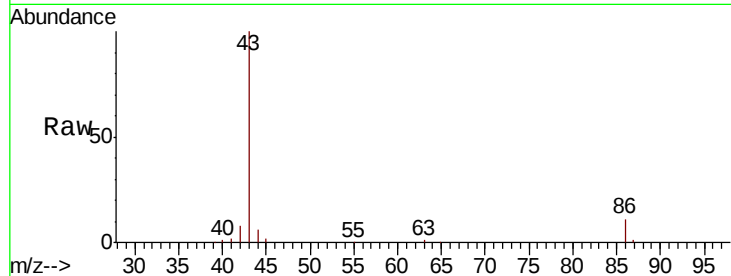
VSTDIC005

Tot Ion: 43 Resp: 208015

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



#24

1,1-Dichloroethane

Concen: 5.030 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

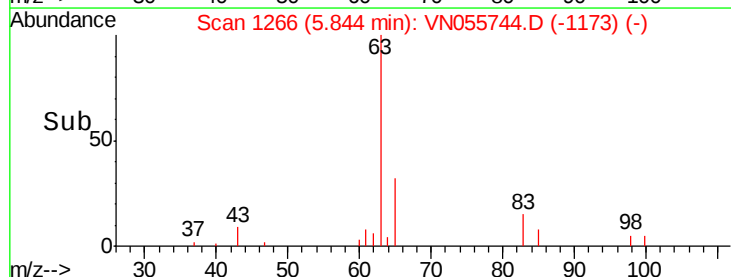
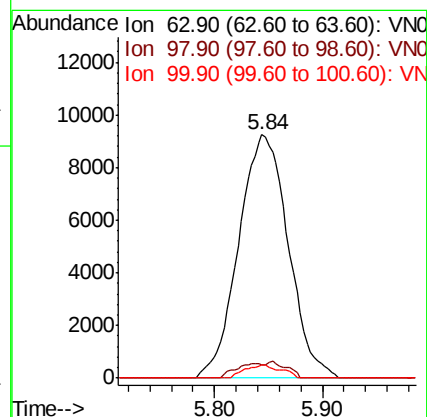
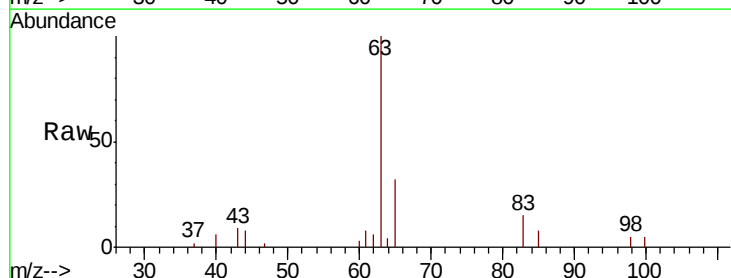
Tgt Ion: 63 Resp: 29517

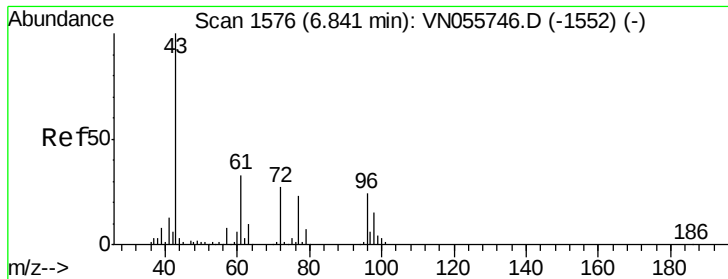
Ion Ratio Lower Upper

63 100

98 5.4 3.4 10.1

100 5.4 2.2 6.6





#25

2-Butanone

Concen: 24.919 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

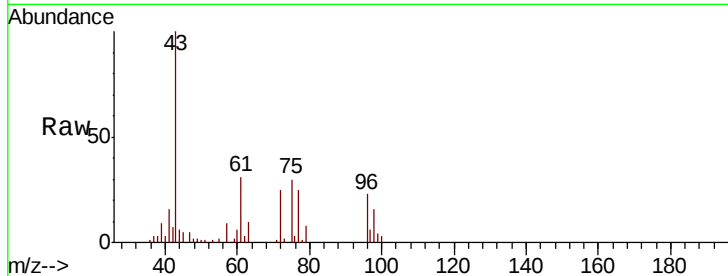
VSTDIC005

Tot Ion: 43 Resp: 53867

Ion Ratio Lower Upper

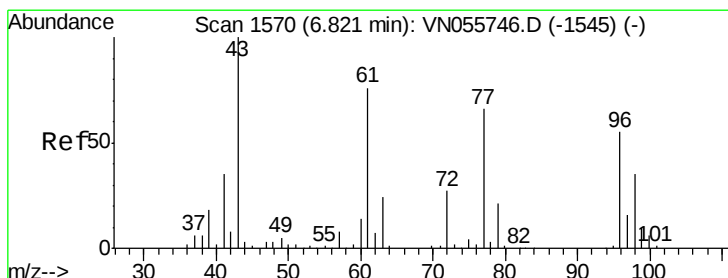
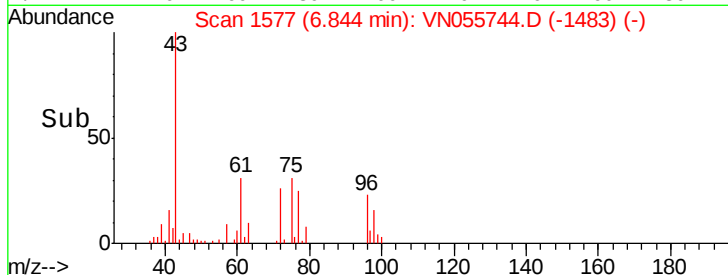
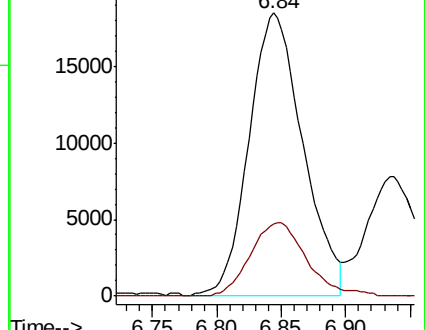
43 100

72 25.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN055744.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN055744.D (-1552) (-)



#26

2,2-Dichloropropane

Concen: 4.920 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055744.D

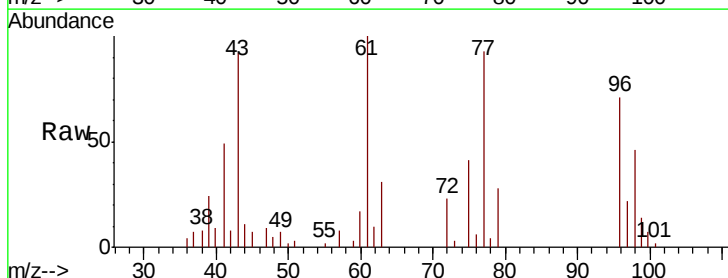
Acq: 23 May 2019 9:45

Tgt Ion: 77 Resp: 25569

Ion Ratio Lower Upper

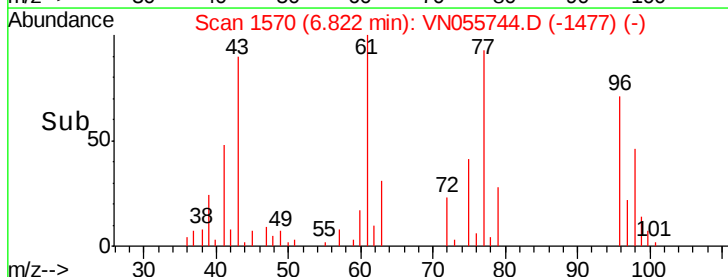
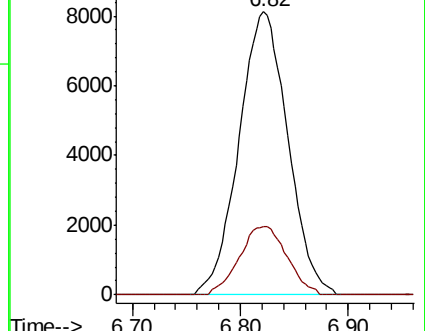
77 100

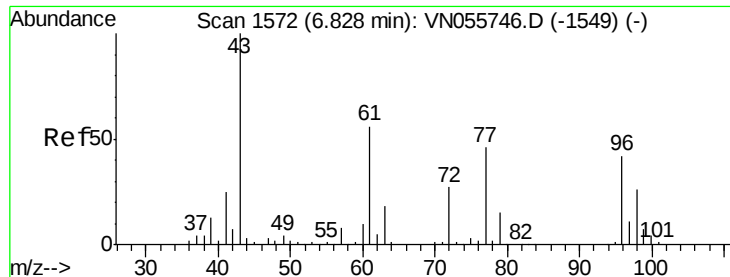
97 23.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN055744.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055744.D (-1545) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.851 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

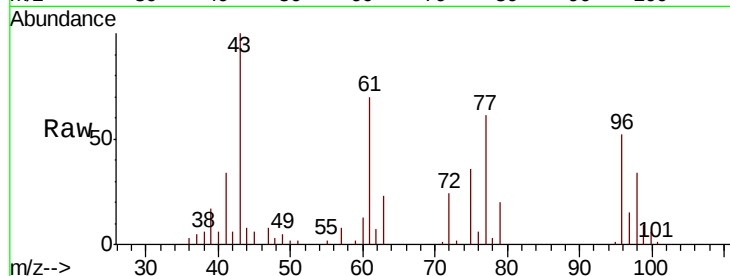
Tot Ion: 96 Resp: 18900

Ion Ratio Lower Upper

96 100

61 138.1 0.0 275.8

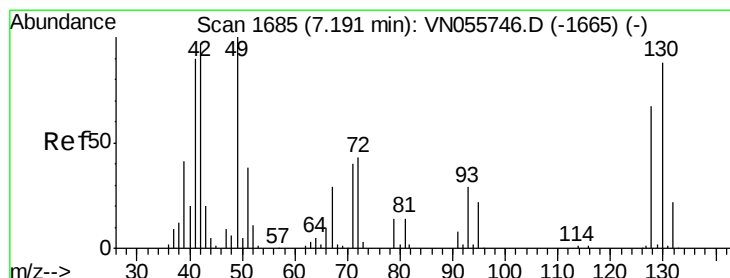
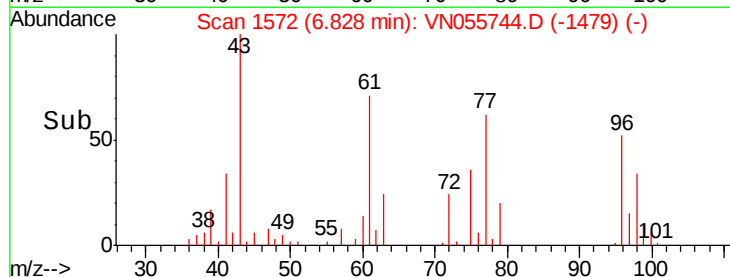
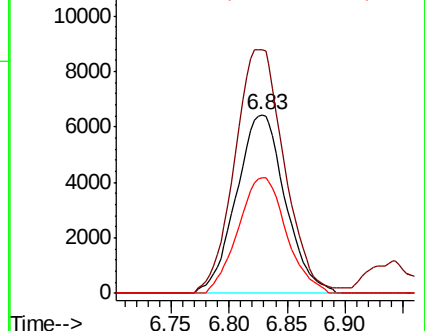
98 63.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN055744.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055744.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN055744.D (-1479) (-)



#28

Bromochloromethane

Concen: 4.949 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

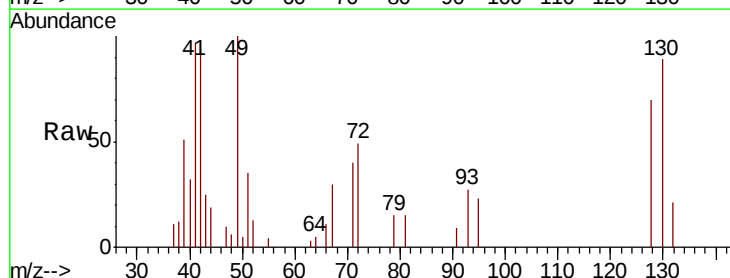
Tgt Ion: 49 Resp: 12824

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

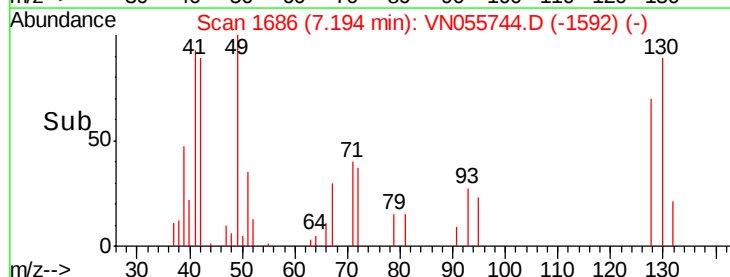
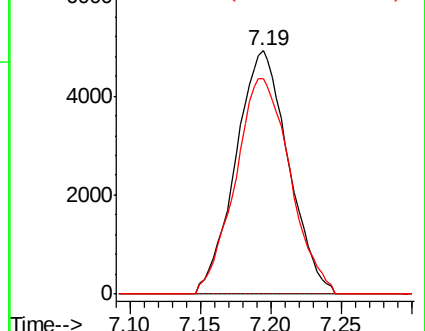
130 92.0 71.2 106.8

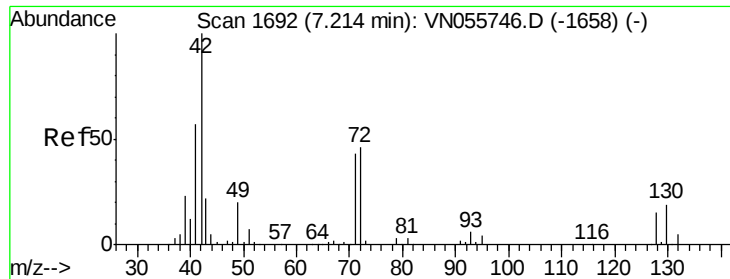


Abundance Ion 48.90 (48.60 to 49.60): VN055744.D (-1592) (-)

Ion 128.80 (128.50 to 129.50): VN055744.D (-1592) (-)

Ion 129.80 (129.50 to 130.50): VN055744.D (-1592) (-)

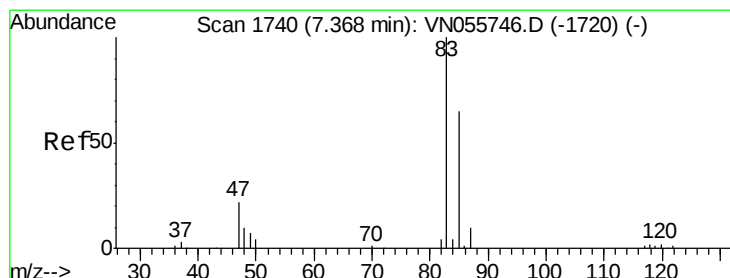
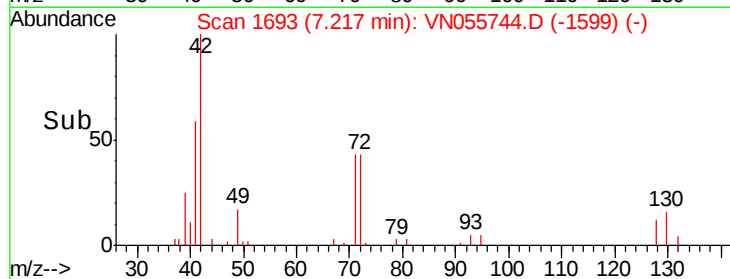
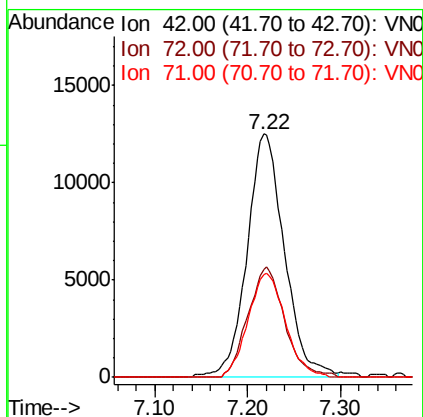
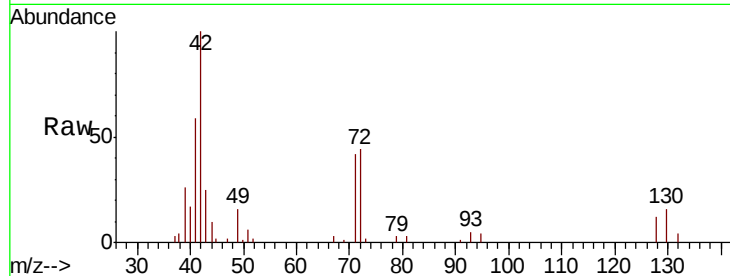




#29
Tetrahydrofuran
Concen: 24.567 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

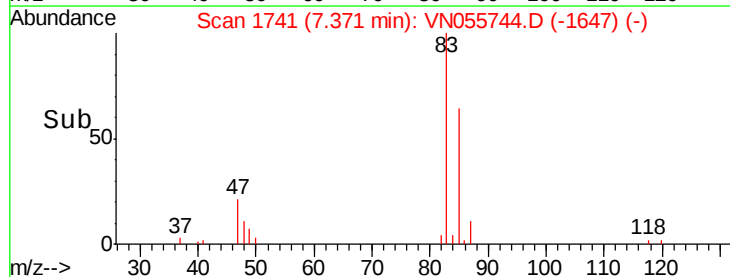
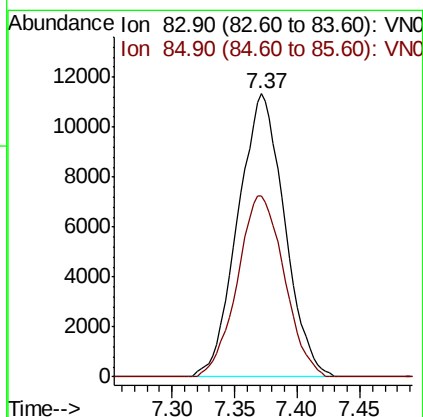
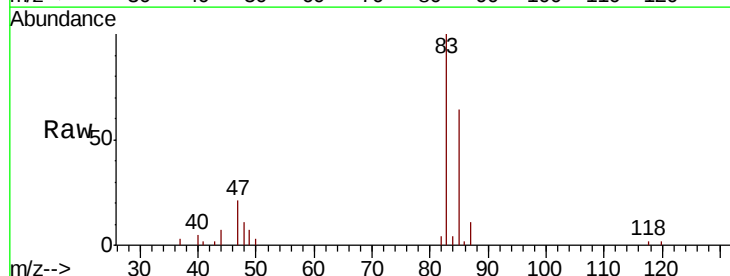
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

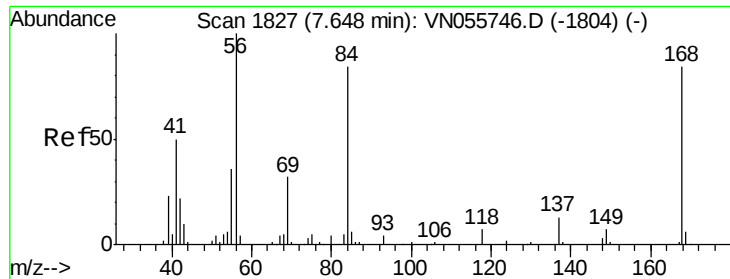
Tot Ion: 42 Resp: 35111
Ion Ratio Lower Upper
42 100
72 44.4 35.9 53.9
71 42.4 34.0 51.0



#30
Chloroform
Concen: 4.850 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 83 Resp: 29314
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8





#31

Cyclohexane

Concen: 5.703 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

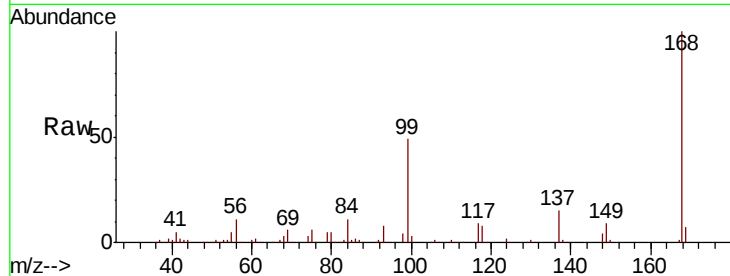
Tot Ion: 56 Resp: 31926

Ion Ratio Lower Upper

56 100

69 56.6 25.6 38.4#

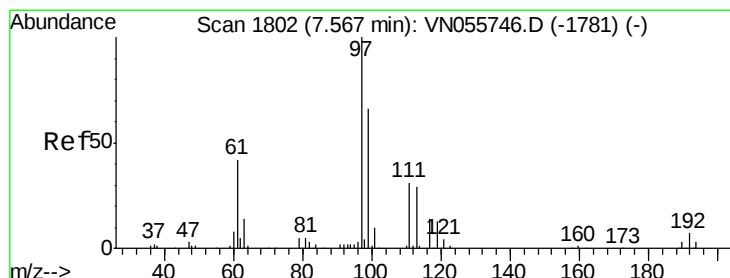
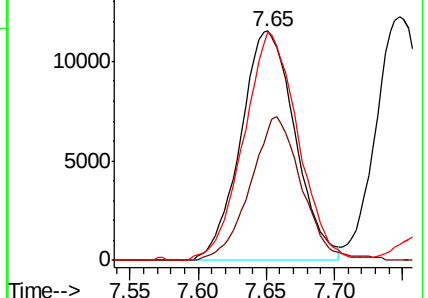
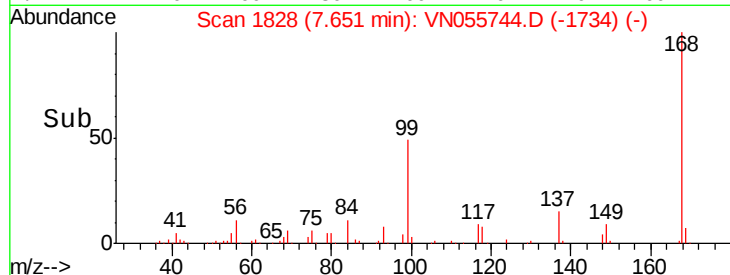
84 99.4 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055744.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN055744.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN055744.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 4.777 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

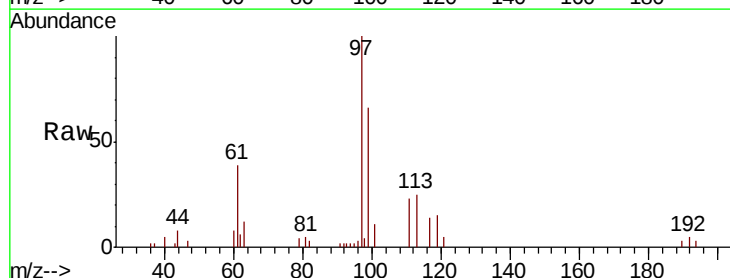
Tgt Ion: 97 Resp: 25849

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

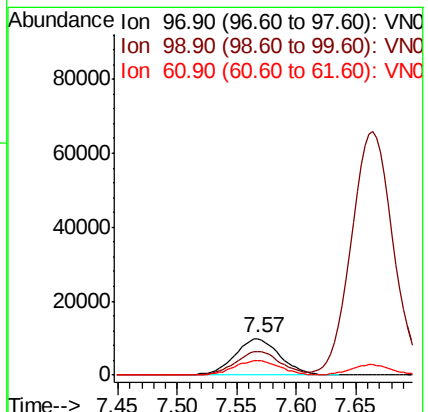
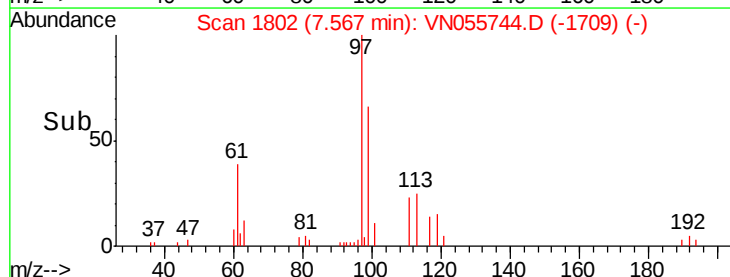
61 39.6 32.9 49.3

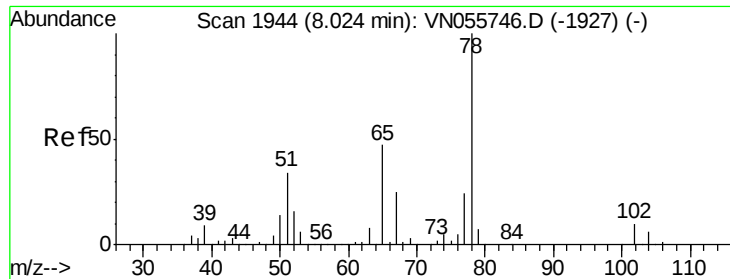


Abundance Ion 96.90 (96.60 to 97.60): VN055744.D (-1709) (-)

Ion 98.90 (98.60 to 99.60): VN055744.D (-1709) (-)

Ion 60.90 (60.60 to 61.60): VN055744.D (-1709) (-)

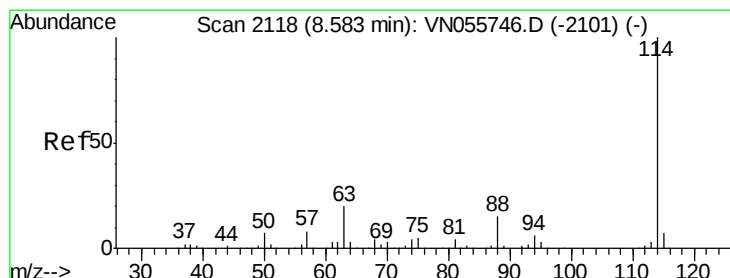
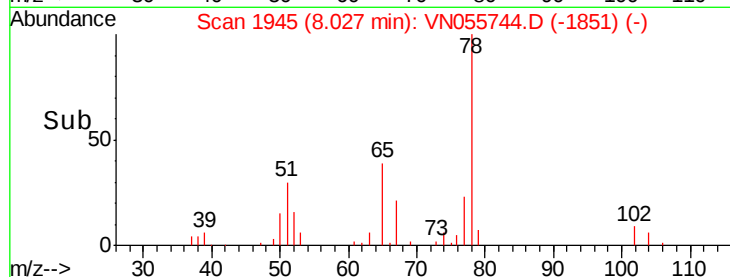
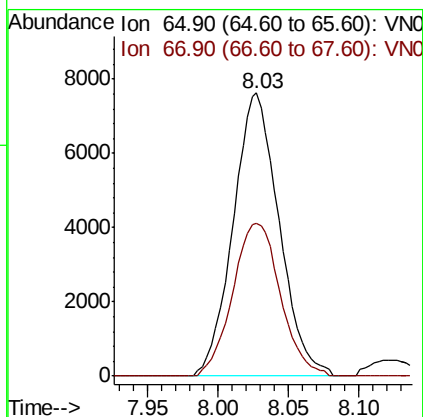
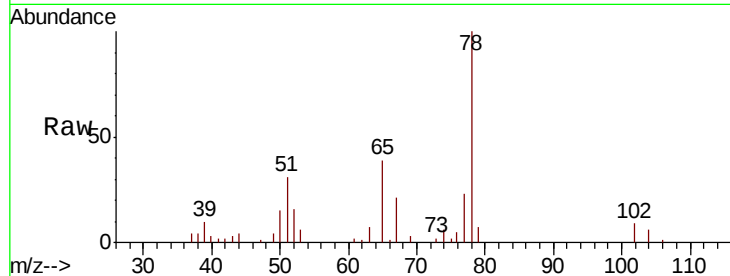




#33
 1,2-Dichloroethane-d4
 Concen: 4.621 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

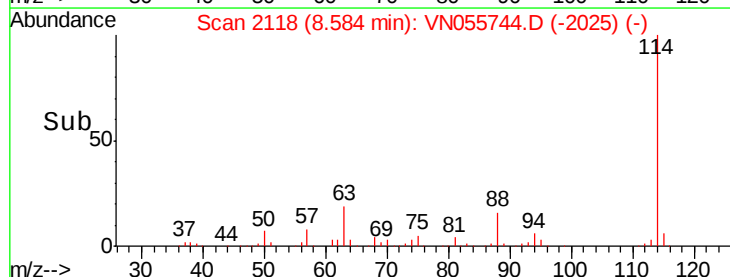
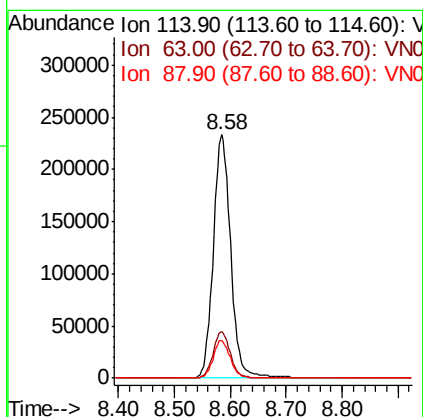
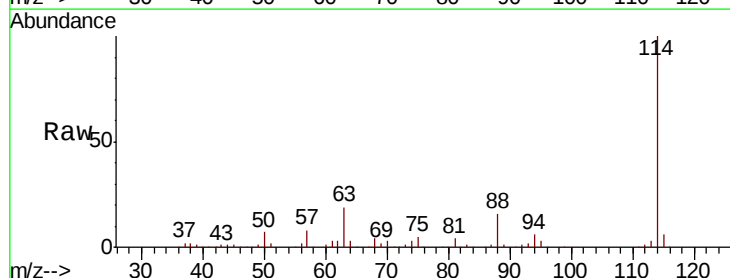
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

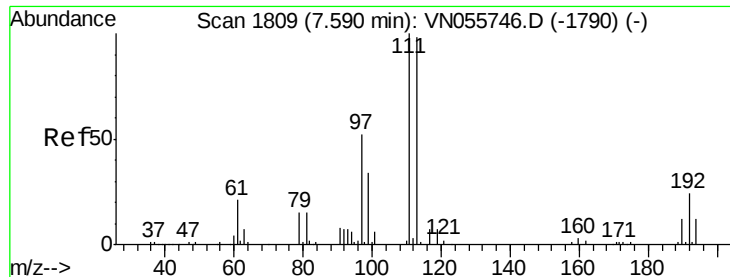
Tot Ion: 65 Resp: 17368
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 114 Resp: 505035
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.5 0.0 31.0

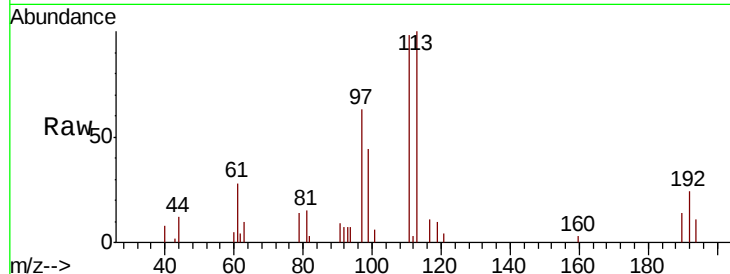




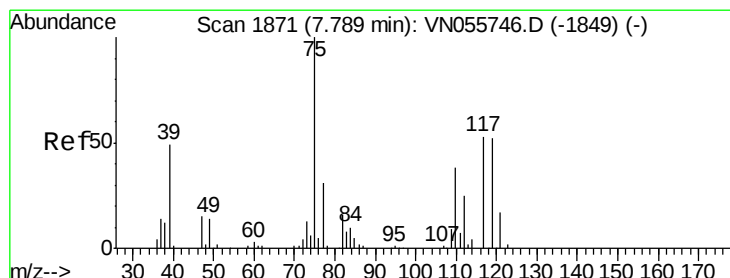
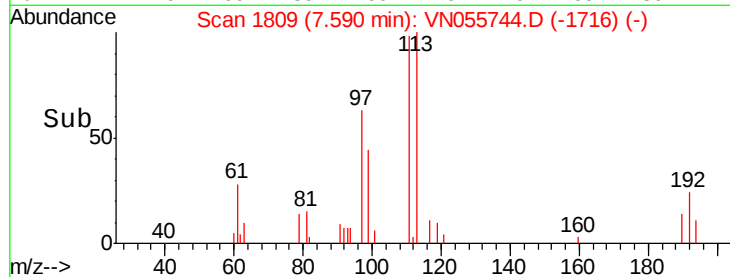
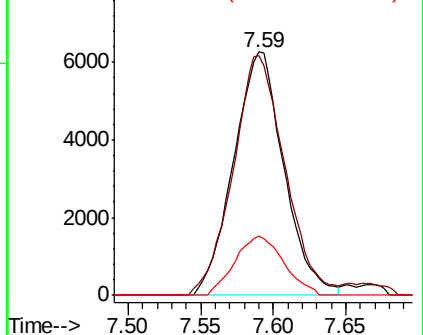
#35
 Dibromofluoromethane
 Concen: 4.736 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.9	122.9
192	23.6	19.5	29.3

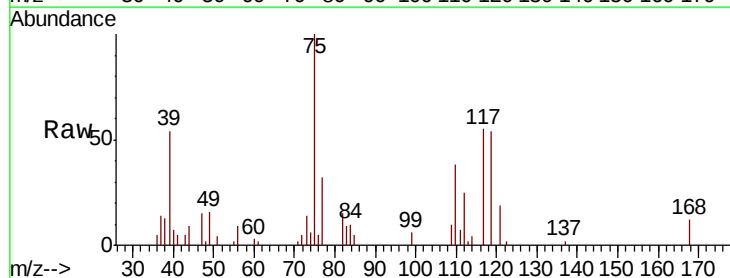


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

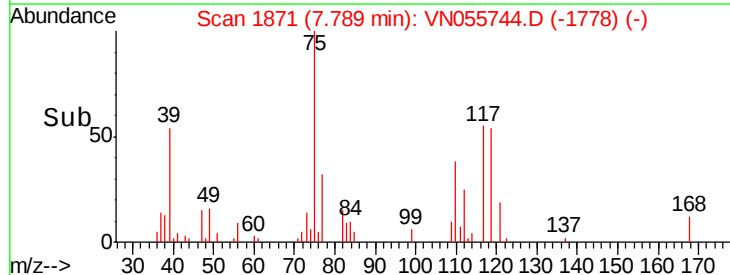
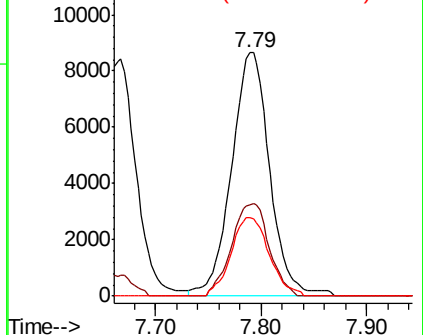


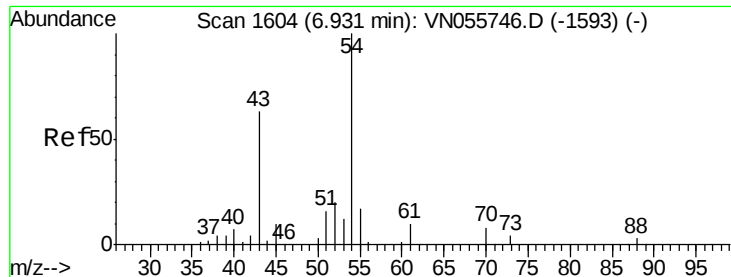
#36
 1,1-Dichloropropene
 Concen: 4.860 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.0	57.0
77	32.2	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

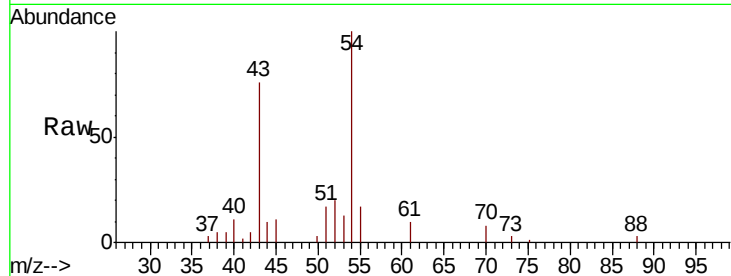




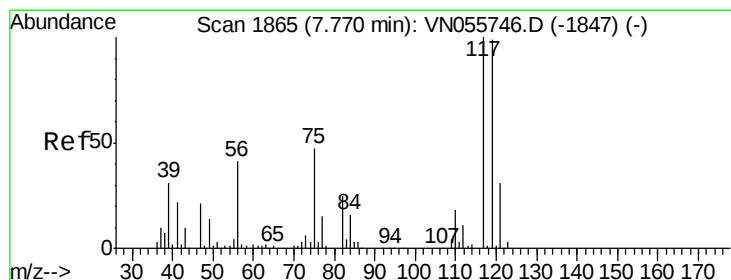
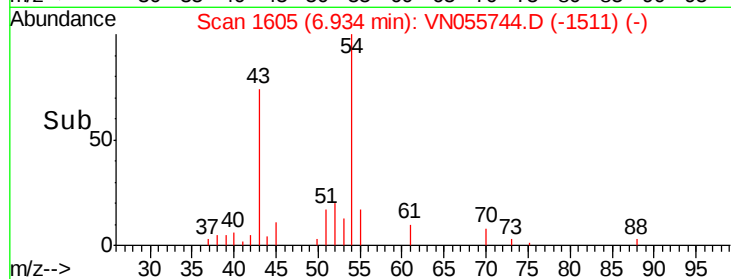
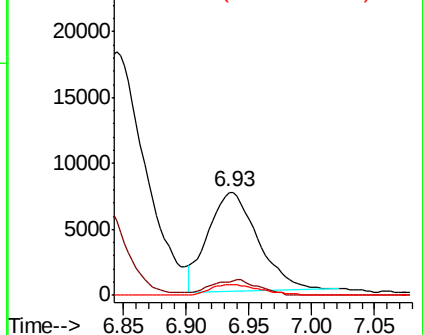
#37
Ethyl Acetate
Concen: 5.123 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20795
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 11.2 8.9 13.3

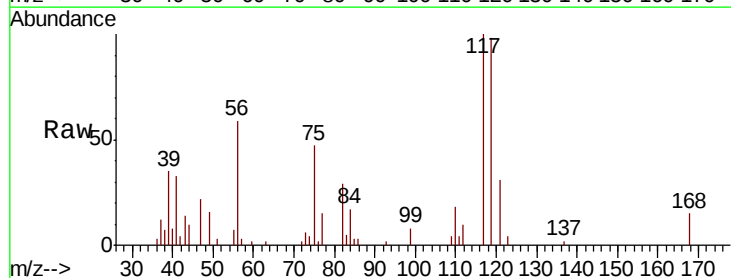


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

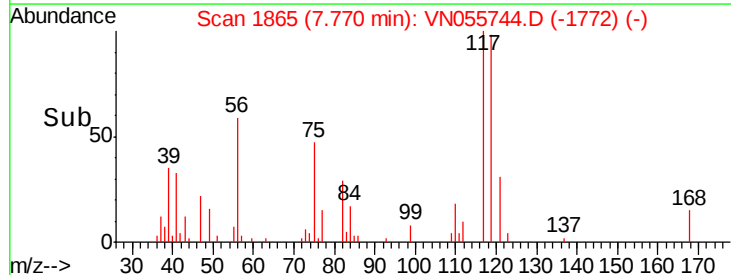
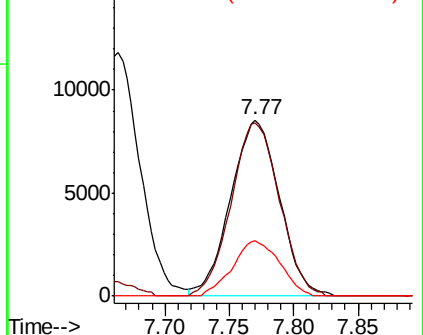


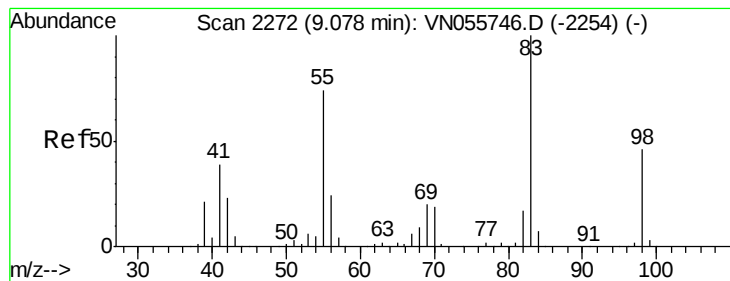
#38
Carbon Tetrachloride
Concen: 4.703 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 117 Resp: 22554
Ion Ratio Lower Upper
117 100
119 98.2 79.0 118.6
121 31.3 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: 4.947 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

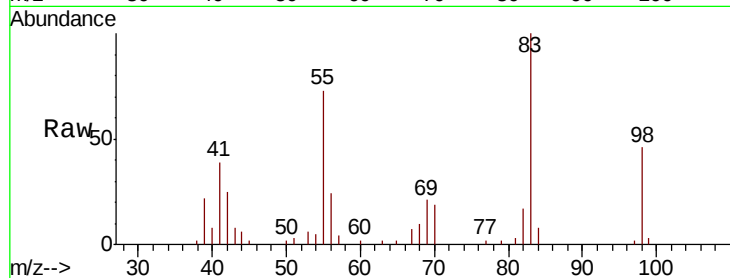
Tot Ion: 83 Resp: 26877

Ion Ratio Lower Upper

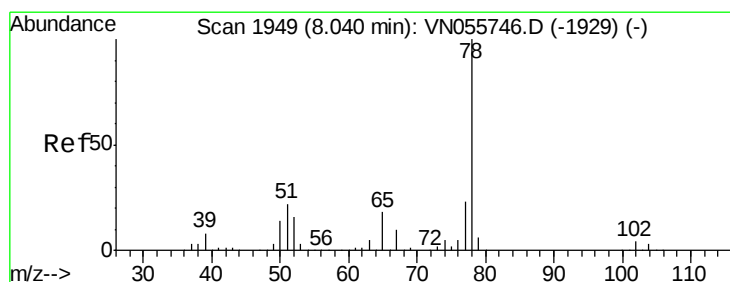
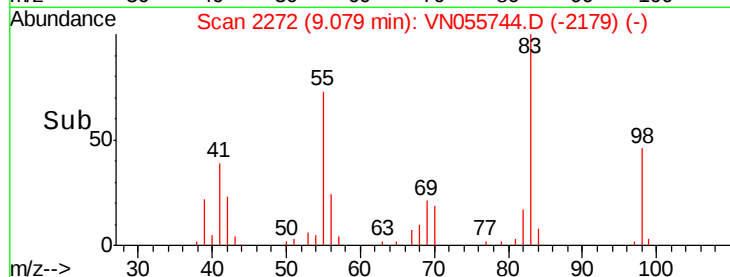
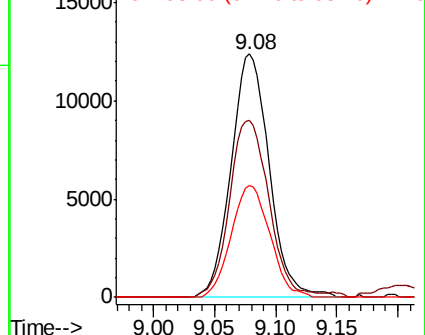
83 100

55 72.8 59.3 88.9

98 45.9 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 4.923 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055744.D

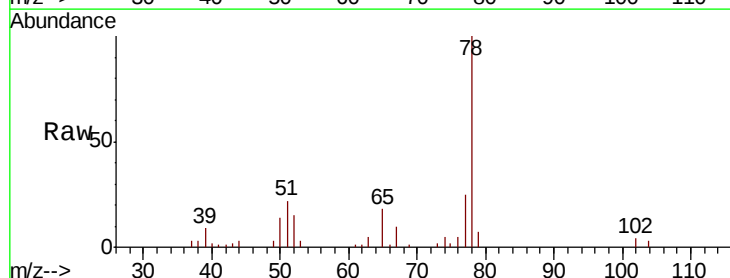
Acq: 23 May 2019 9:45

Tgt Ion: 78 Resp: 65252

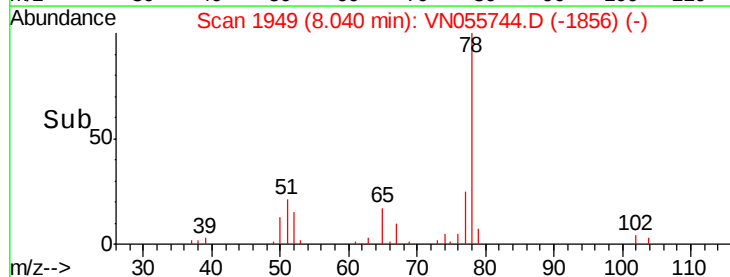
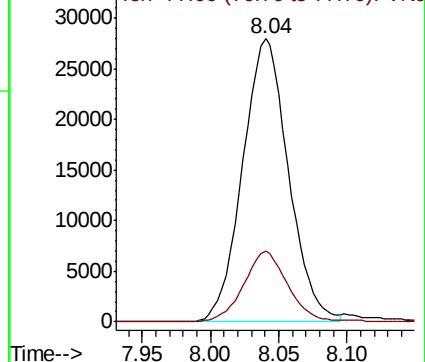
Ion Ratio Lower Upper

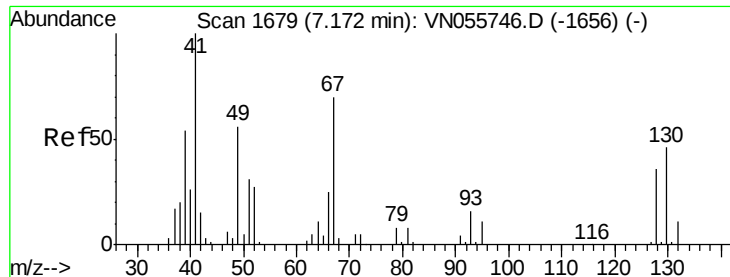
78 100

77 24.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

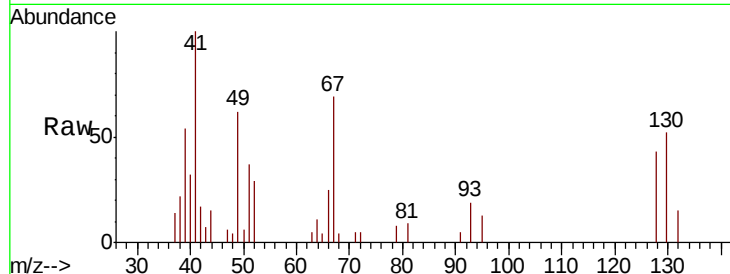




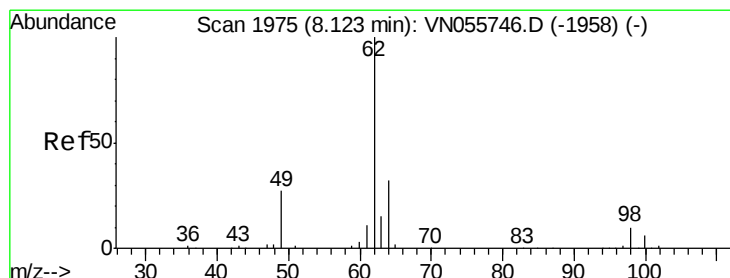
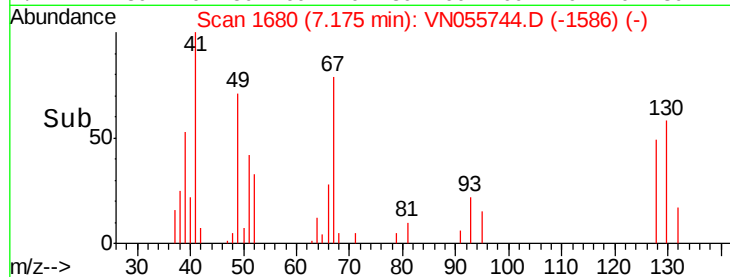
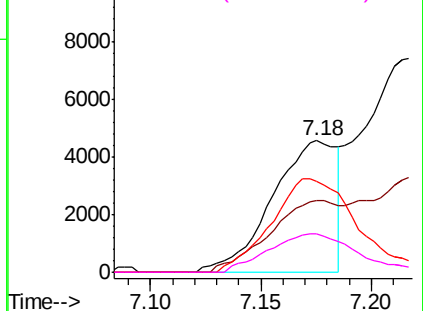
#41
Methacrylonitrile
Concen: 5.276 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 41 Resp: 9298
Ion Ratio Lower Upper
41 100
39 56.2 45.6 68.4
67 93.6 67.7 101.5
52 39.7 26.6 40.0

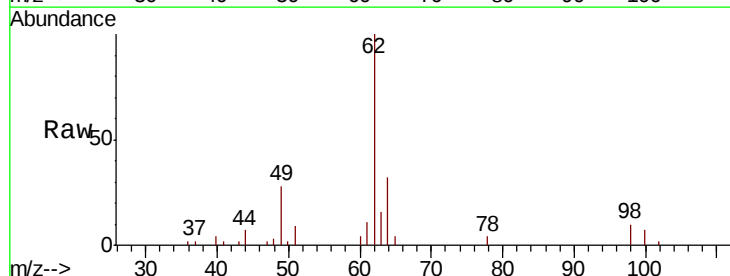


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

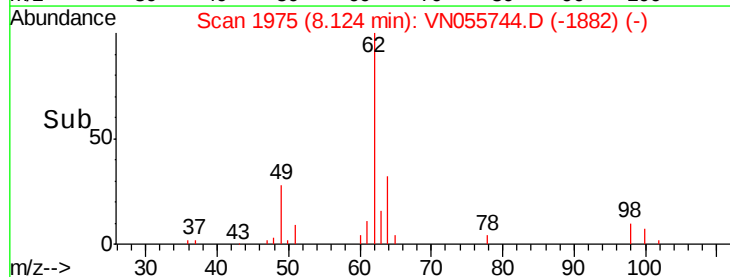
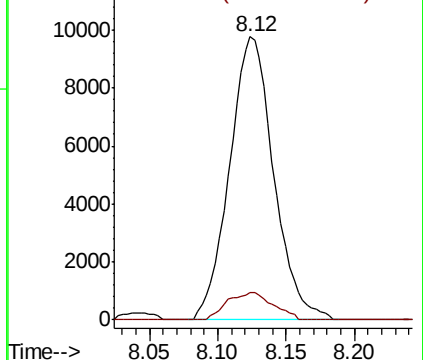


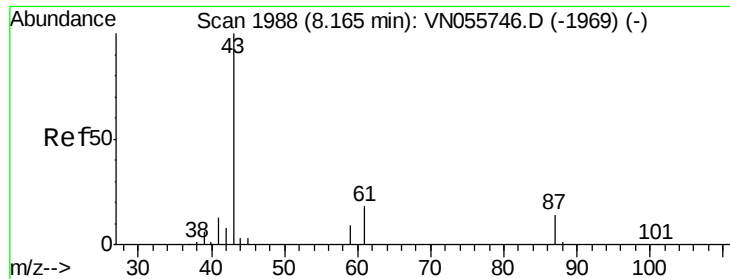
#42
1,2-Dichloroethane
Concen: 5.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 62 Resp: 21925
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 4.939 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

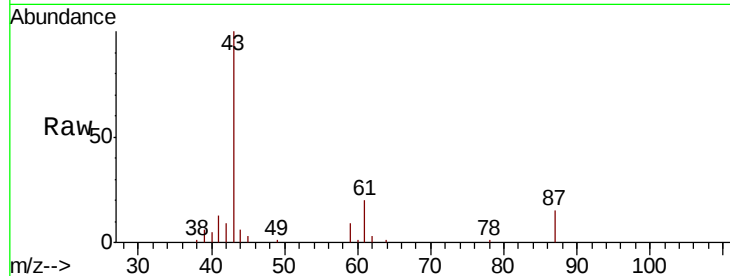
Tot Ion: 43 Resp: 34931

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

87 14.2 11.4 17.2



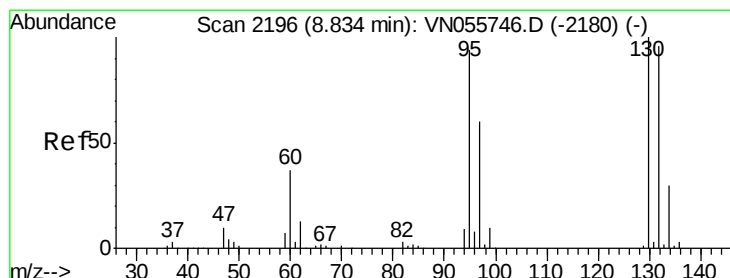
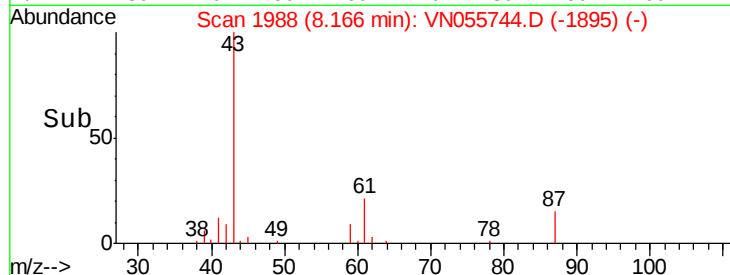
Abundance Ion 43.00 (42.70 to 43.70): VN055744.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055744.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055744.D (-1969) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 5.014 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055744.D

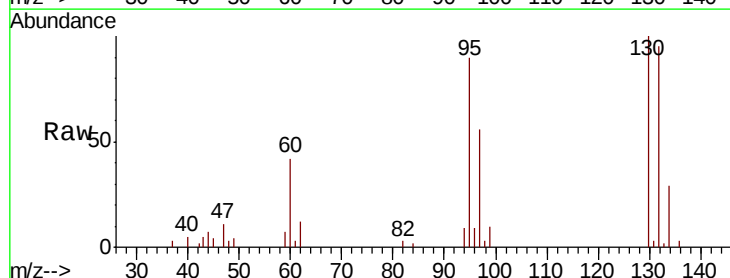
Acq: 23 May 2019 9:45

Tgt Ion: 130 Resp: 18737

Ion Ratio Lower Upper

130 100

95 90.4 0.0 188.0

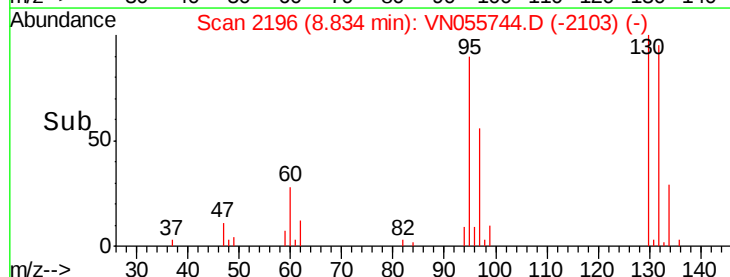


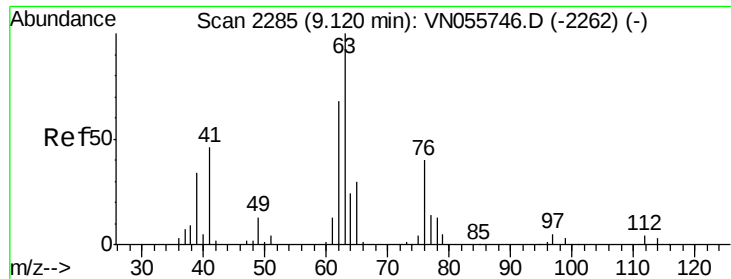
Abundance Ion 129.80 (129.50 to 130.50): VN055744.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055744.D (-2180) (-)

8.83

Time-->

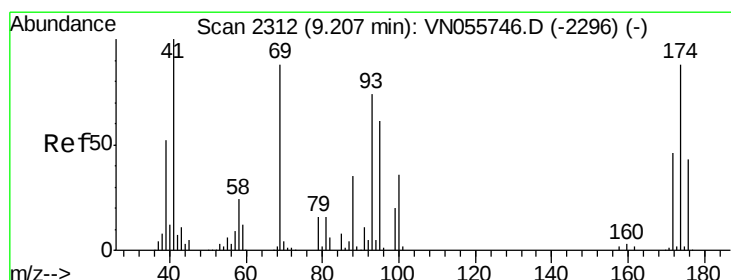
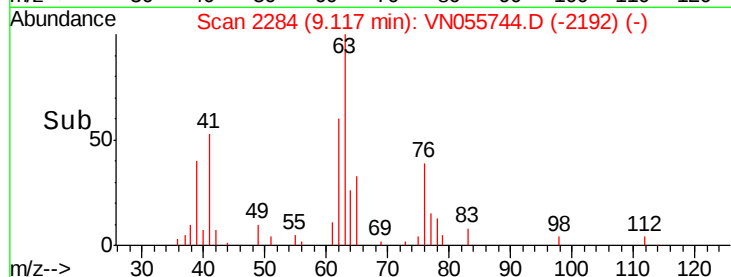
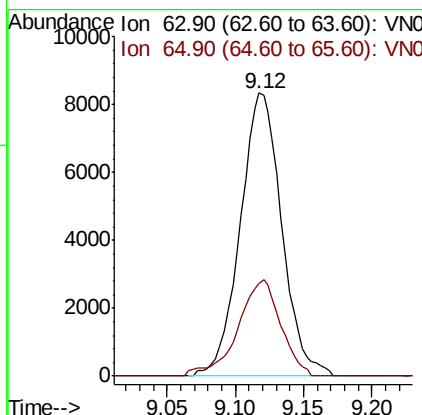
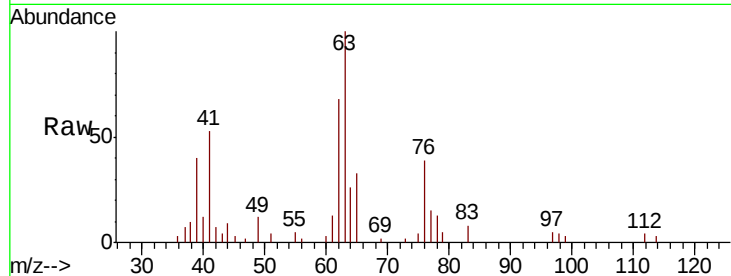




#45
 1,2-Dichloropropane
 Concen: 5.048 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

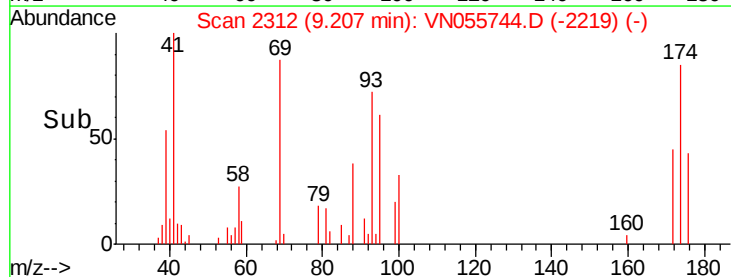
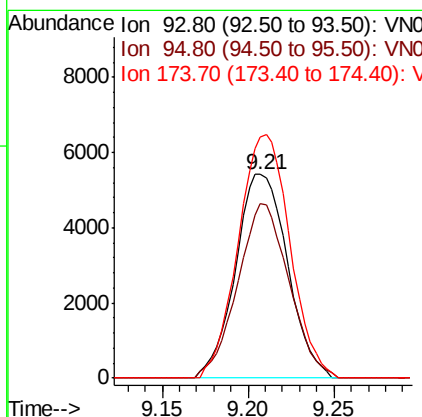
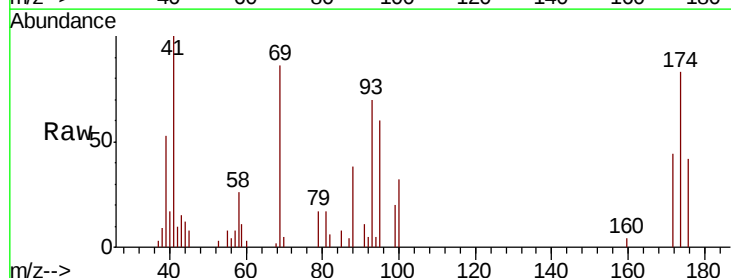
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 17607
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.6 36.8



#46
 Dibromomethane
 Concen: 4.986 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 93 Resp: 11400
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 118.4 96.4 144.6





#47

Bromodichloromethane

Concen: 4.838 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

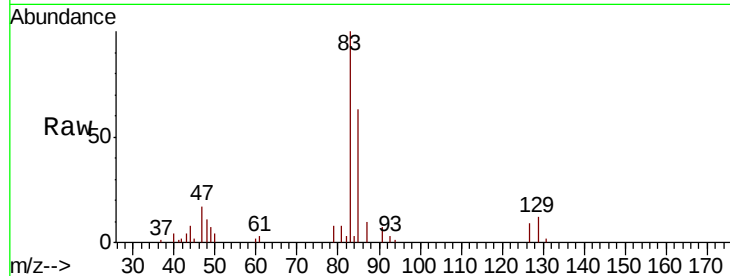
Tot Ion: 83 Resp: 23089

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.2

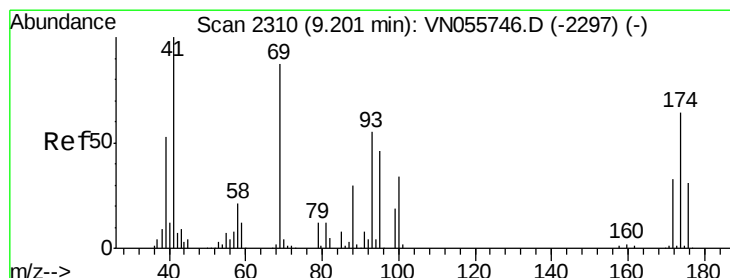
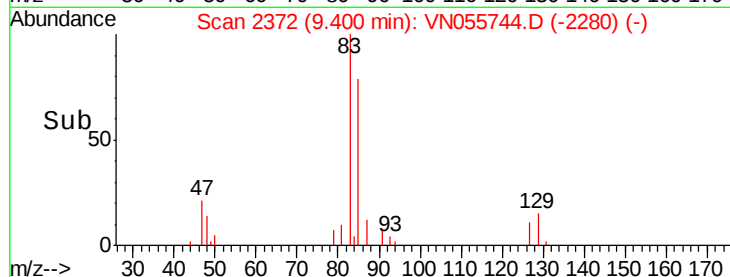
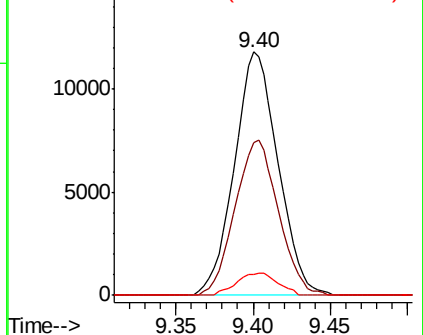
127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055744.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055744.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055744.D (-2354) (-)



#48

Methyl methacrylate

Concen: 5.247 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

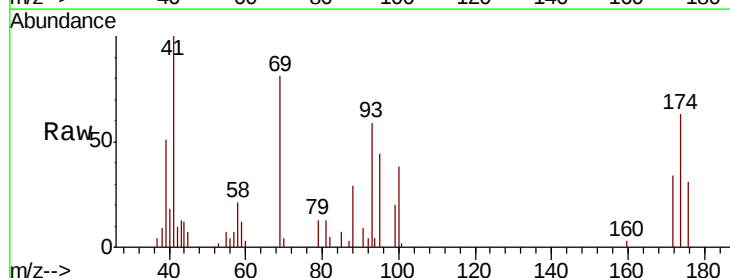
Tgt Ion: 41 Resp: 16625

Ion Ratio Lower Upper

41 100

69 86.0 71.0 106.6

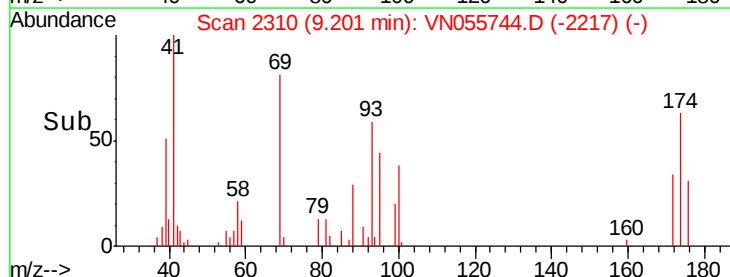
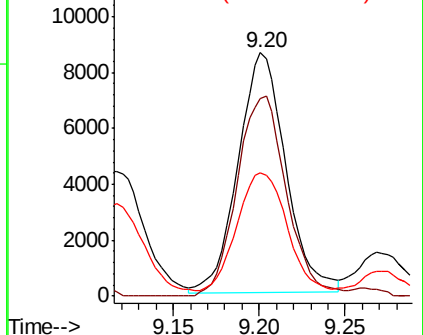
39 55.8 44.2 66.2

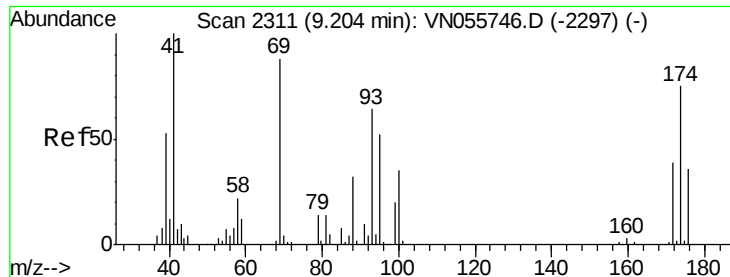


Abundance Ion 41.00 (40.70 to 41.70): VN055744.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055744.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055744.D (-2217) (-)





#49

1,4-Dioxane

Concen: 105.186 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

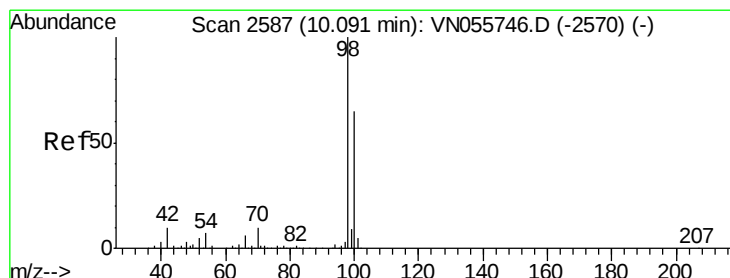
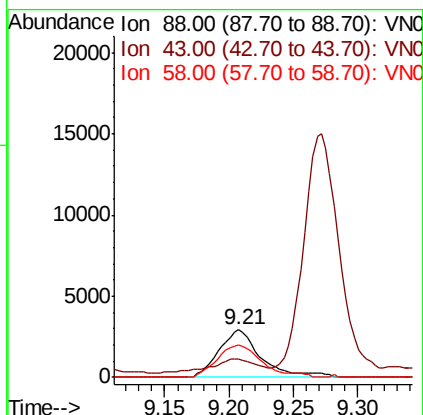
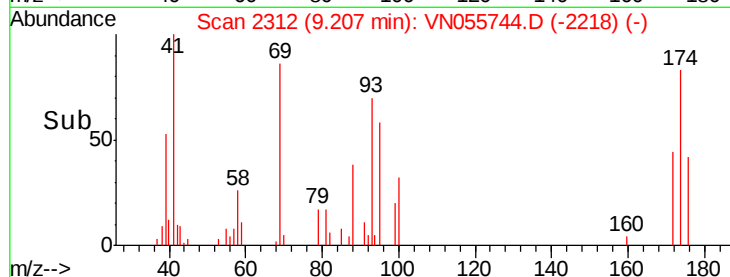
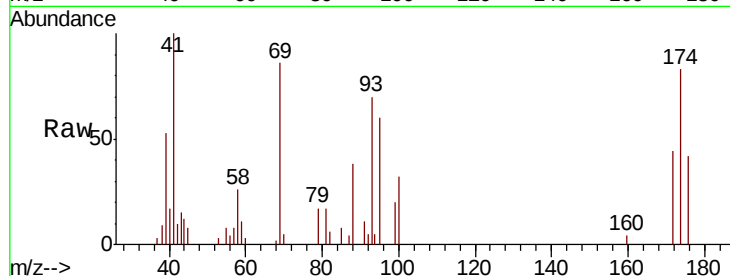
Tot Ion: 88 Resp: 6605

Ion Ratio Lower Upper

88 100

43 31.4 20.5 30.7#

58 73.2 55.8 83.6



#50

Toluene-d8

Concen: 4.835 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055744.D

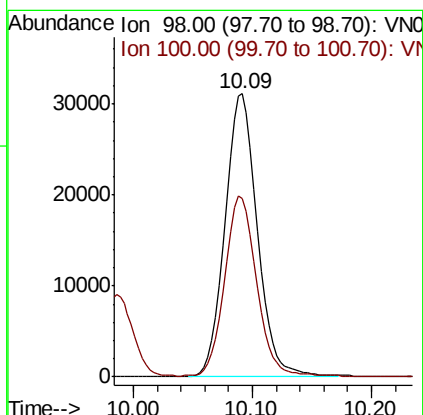
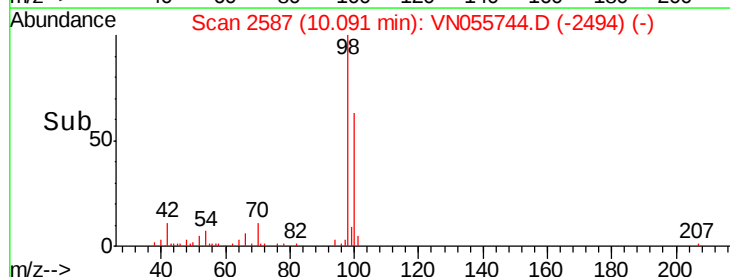
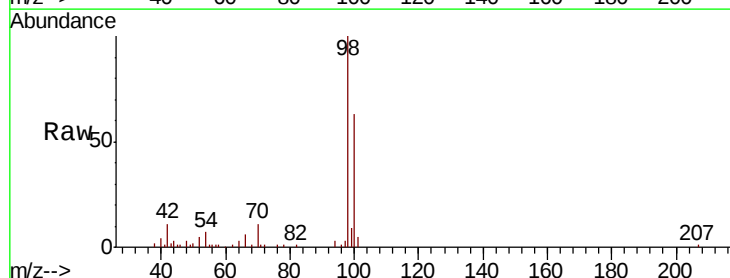
Acq: 23 May 2019 9:45

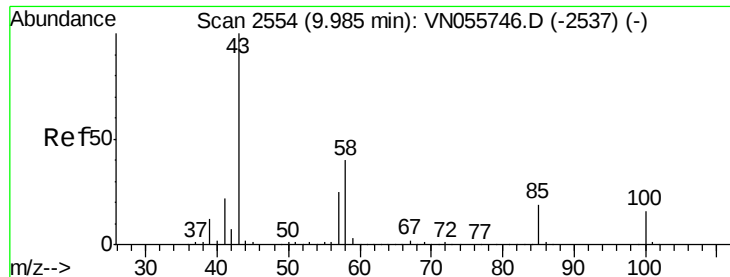
Tgt Ion: 98 Resp: 58693

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 24.727 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

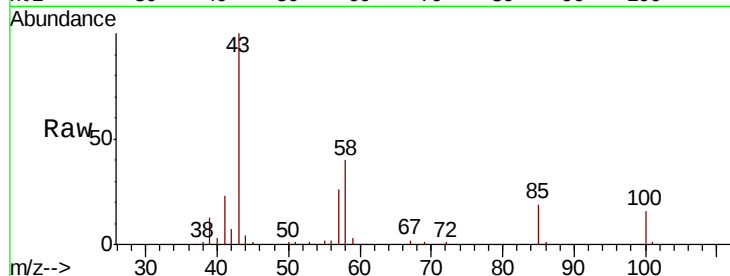
VSTDIC005

Tot Ion: 43 Resp: 103330

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

60000

50000

40000

30000

20000

10000

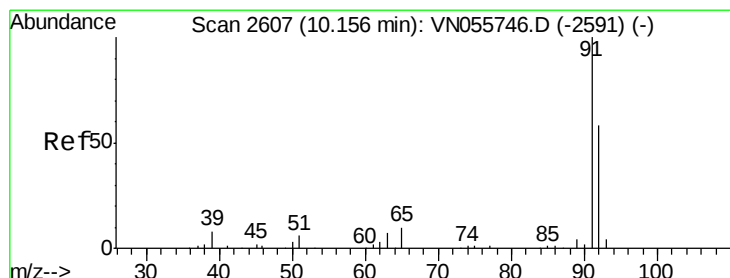
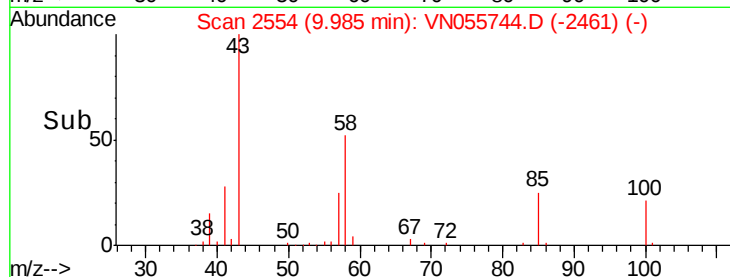
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 4.952 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055744.D

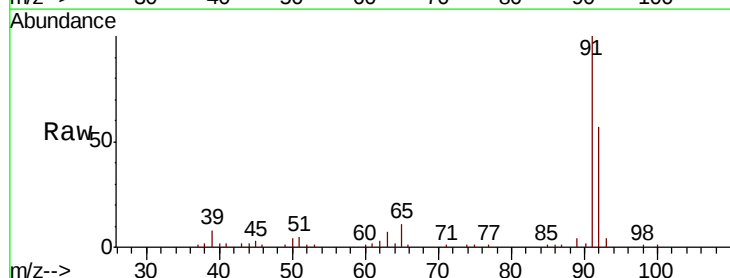
Acq: 23 May 2019 9:45

Tgt Ion: 92 Resp: 41269

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

40000

30000

20000

10000

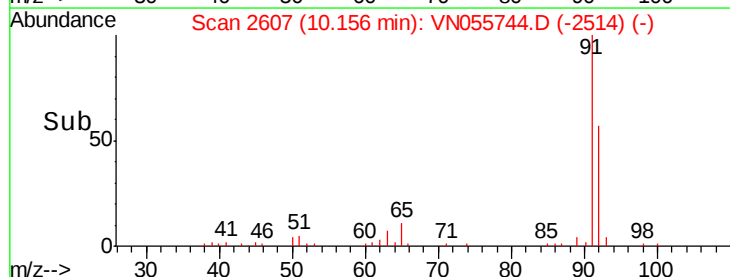
0

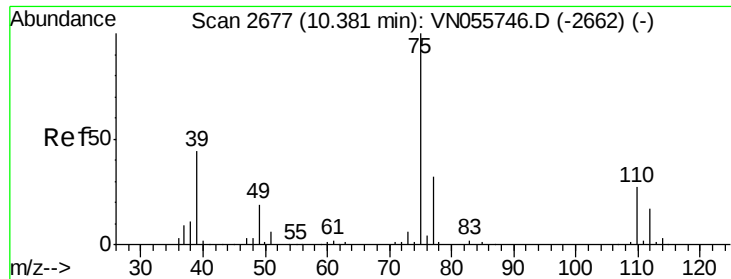
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.560 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampled :

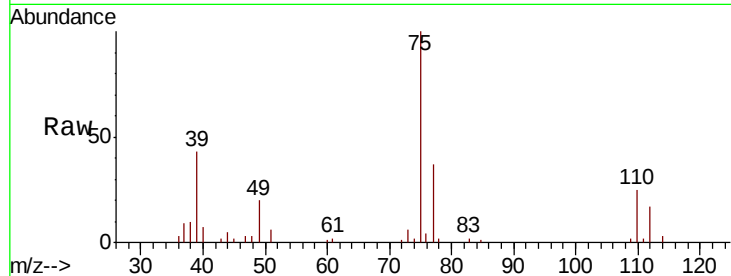
VSTDIC005

Tot Ion: 75 Resp: 23378

Ion Ratio Lower Upper

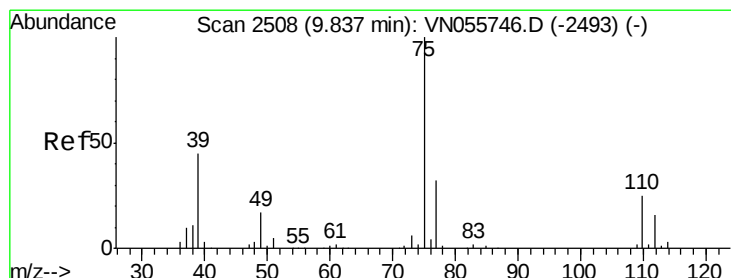
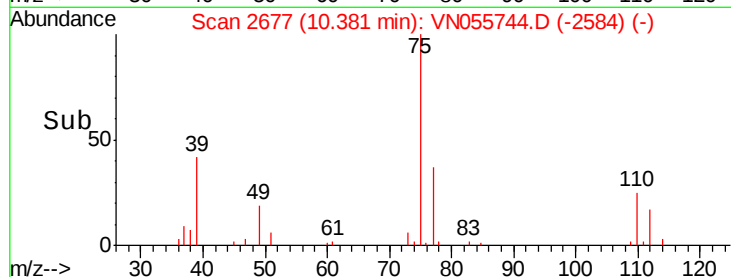
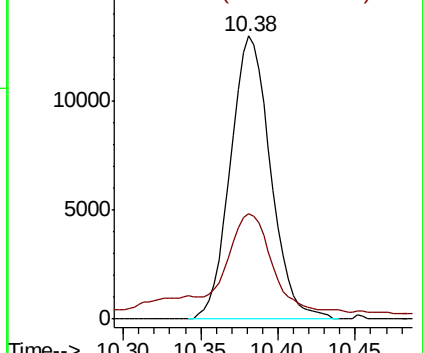
75 100

77 33.7 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.710 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

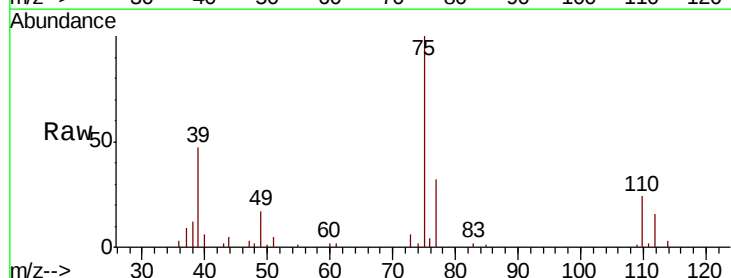
Tgt Ion: 75 Resp: 26463

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

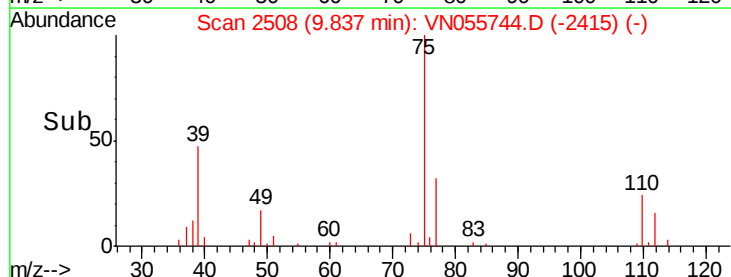
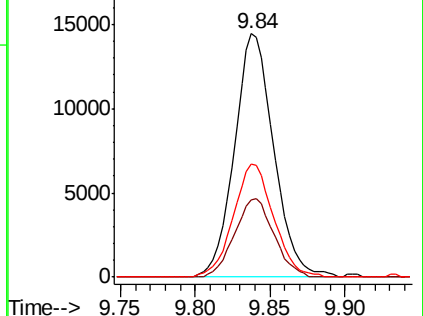
39 46.7 36.3 54.5

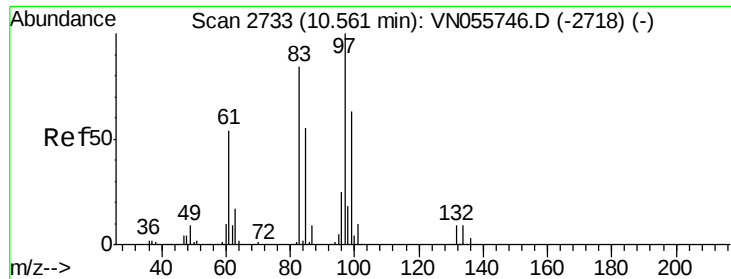


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

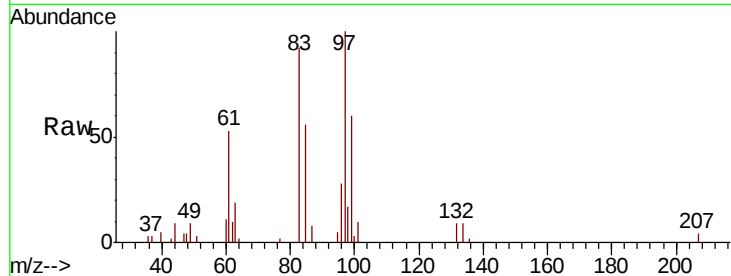




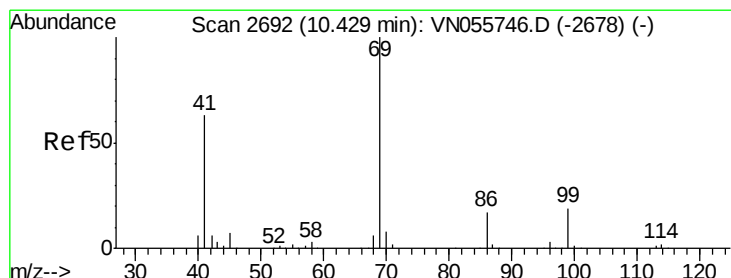
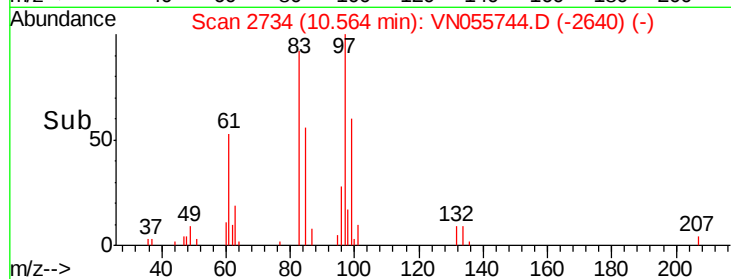
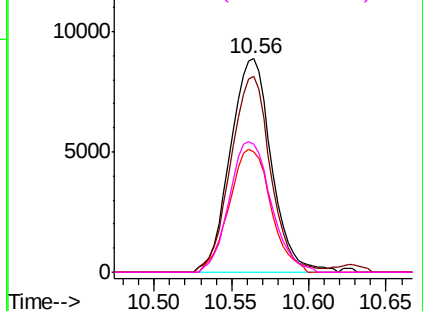
#55
 1,1,2-Trichloroethane
 Concen: 4.785 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 97 Resp: 16400
 Ion Ratio Lower Upper
 97 100
 83 92.0 67.0 100.6
 85 56.3 44.0 66.0
 99 59.8 50.6 75.8

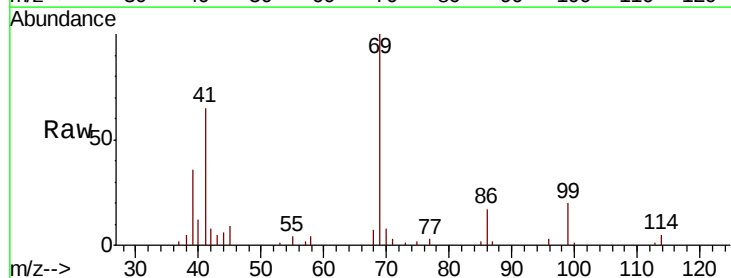


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

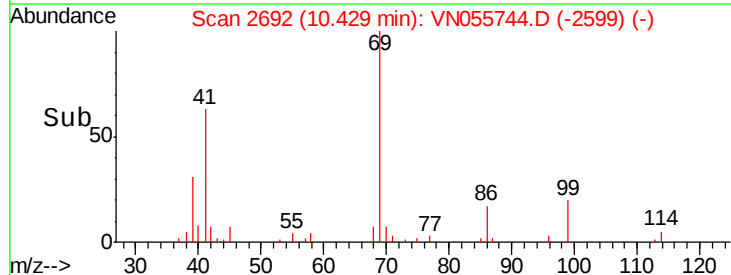
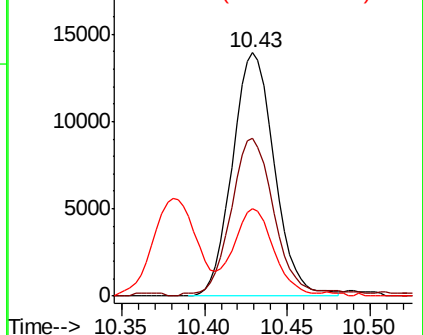


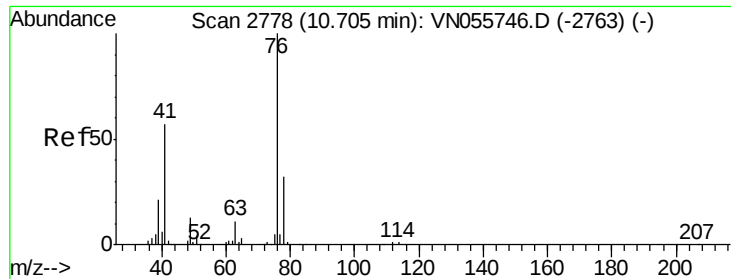
#56
 Ethyl methacrylate
 Concen: 4.590 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 69 Resp: 24571
 Ion Ratio Lower Upper
 69 100
 41 67.9 49.7 74.5
 39 32.6 24.7 37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

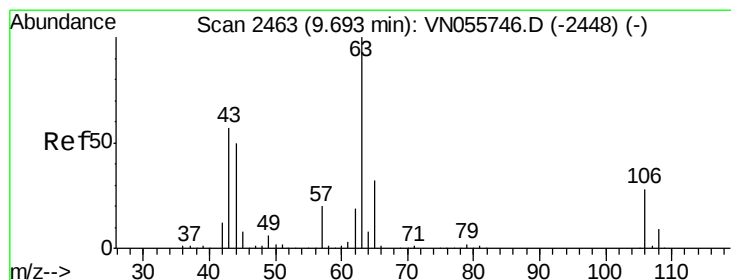
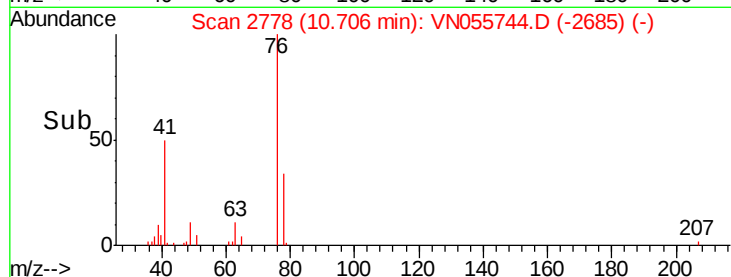
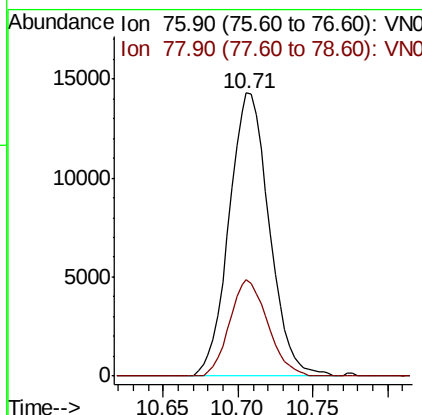
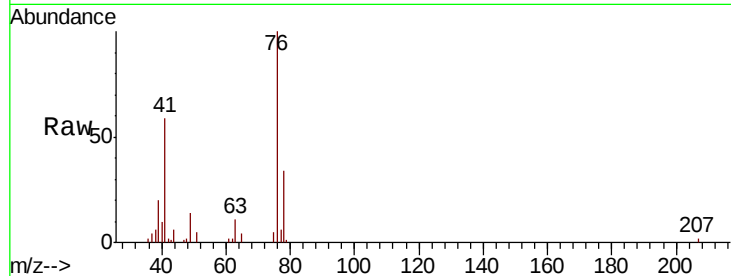




#57
 1,3-Dichloropropane
 Concen: 4.926 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

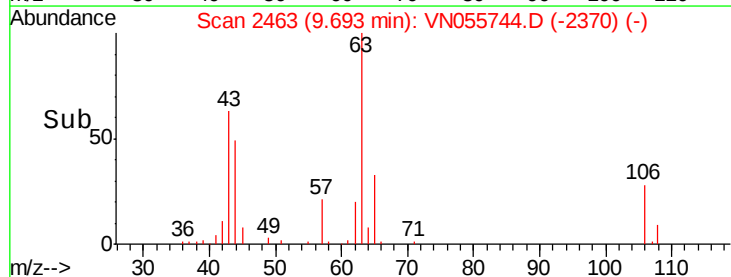
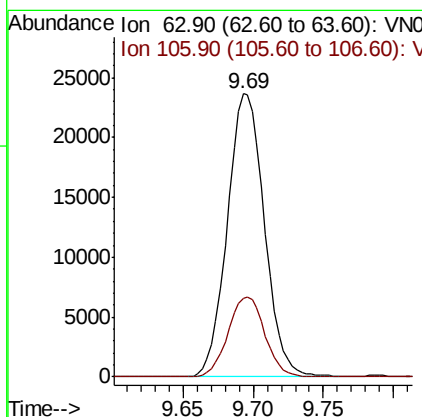
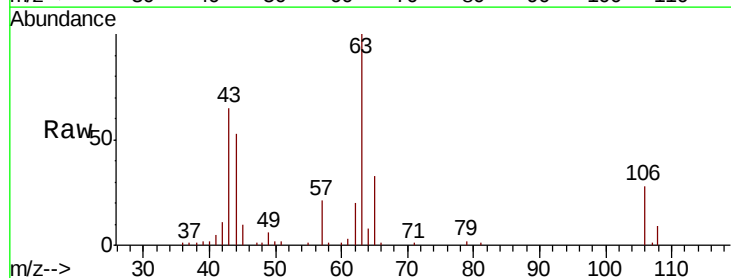
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

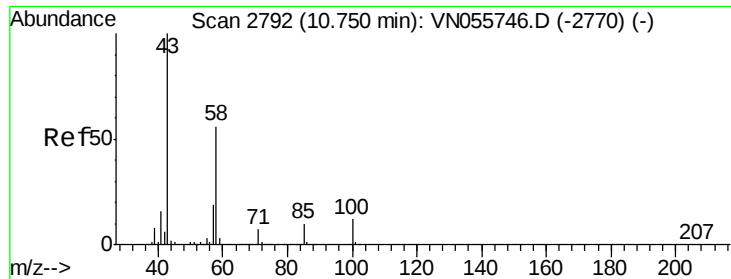
Tot Ion: 76 Resp: 26696
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.584 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 63 Resp: 43528
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.7 34.1

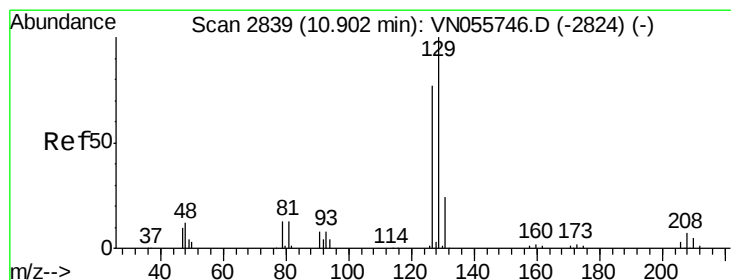
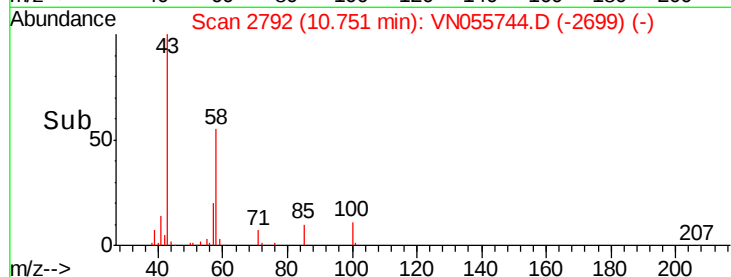
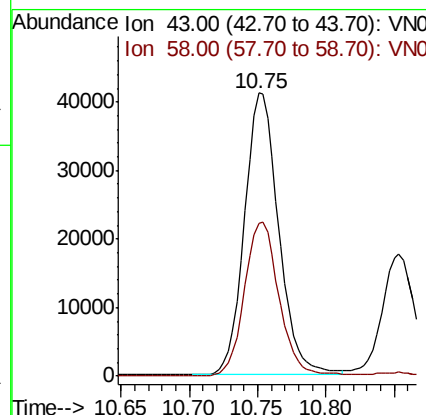
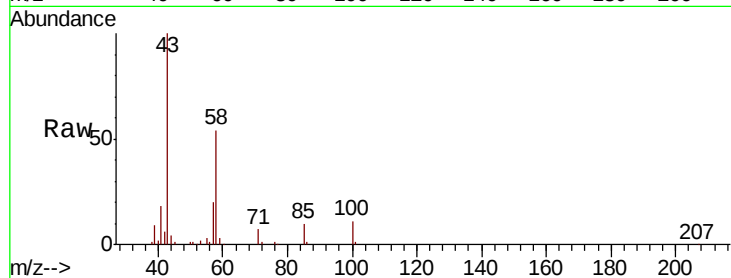




#59
2-Hexanone
Concen: 24.448 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

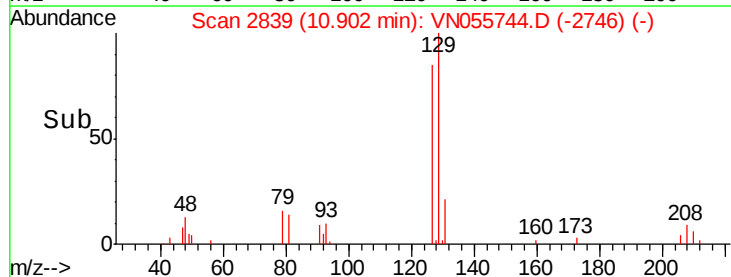
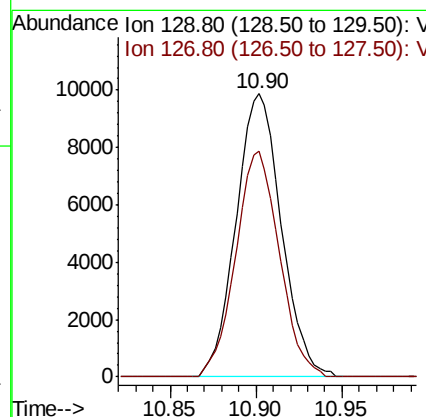
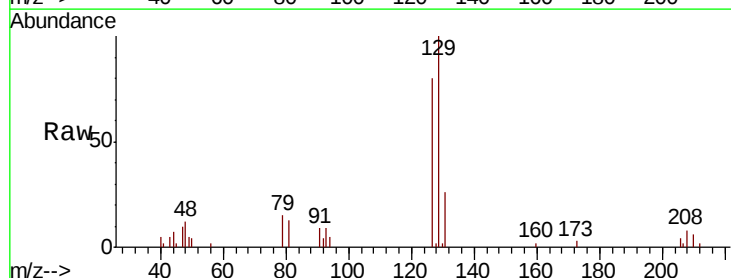
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

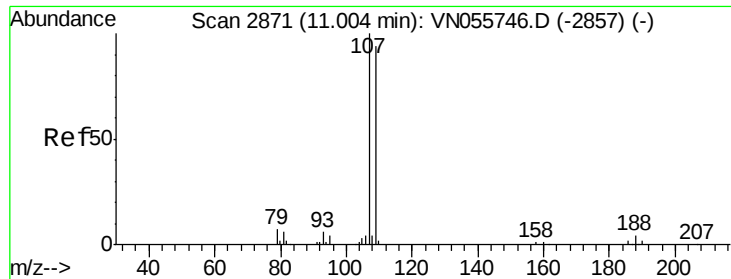
Tot Ion: 43 Resp: 71800
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.7



#60
Dibromochloromethane
Concen: 4.638 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 129 Resp: 18020
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3

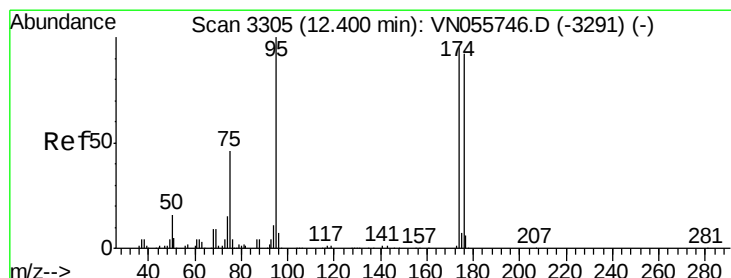
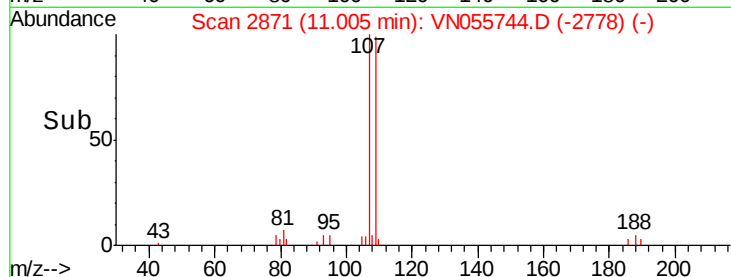
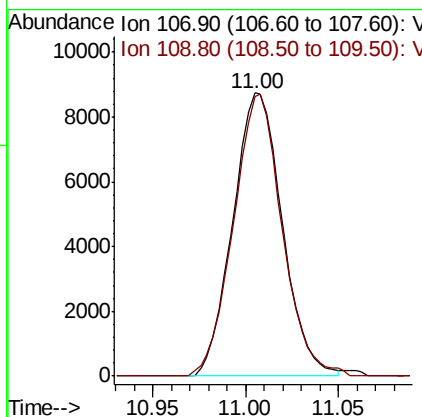
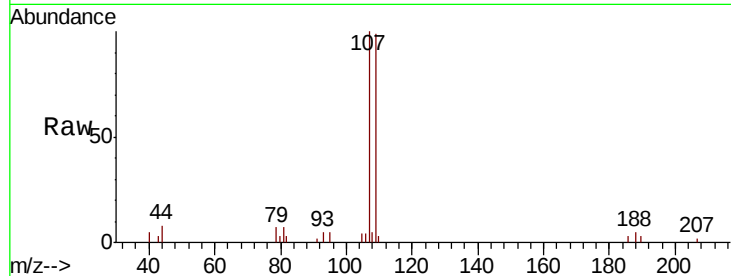




#61
 1,2-Dibromoethane
 Concen: 4.727 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

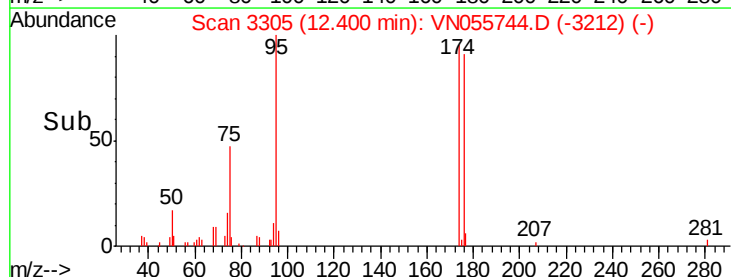
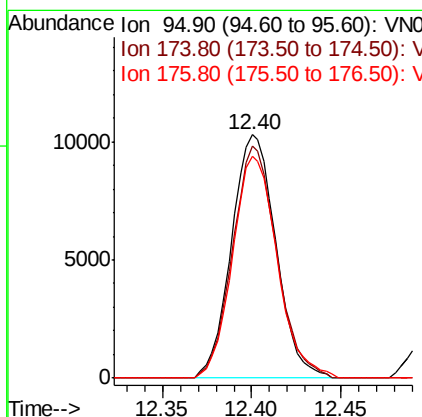
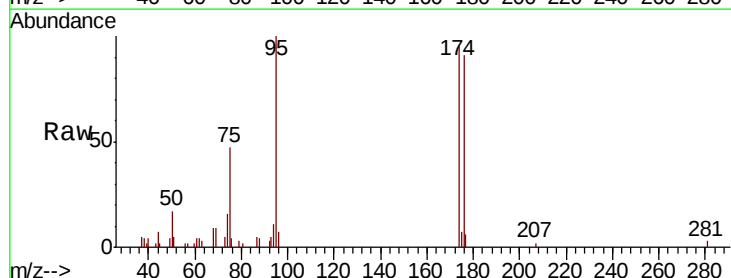
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

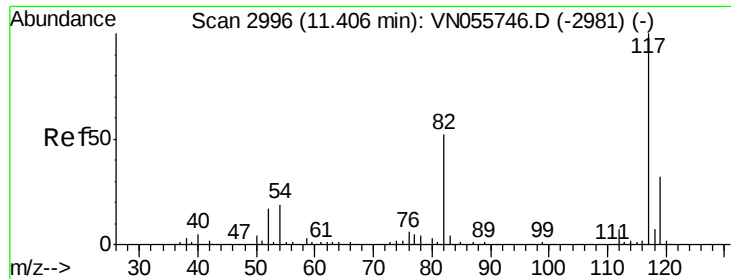
Tot Ion:107 Resp: 16223
 Ion Ratio Lower Upper
 107 100
 109 98.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 4.239 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 95 Resp: 17795
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 191.0
 176 92.0 0.0 185.2

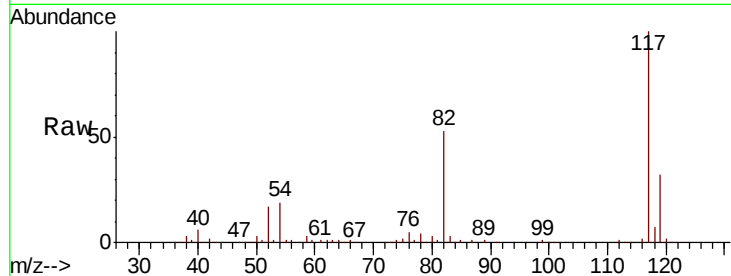




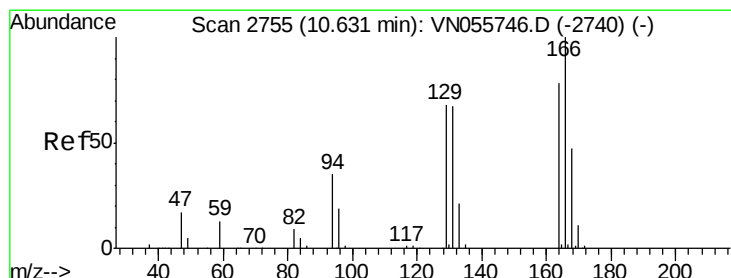
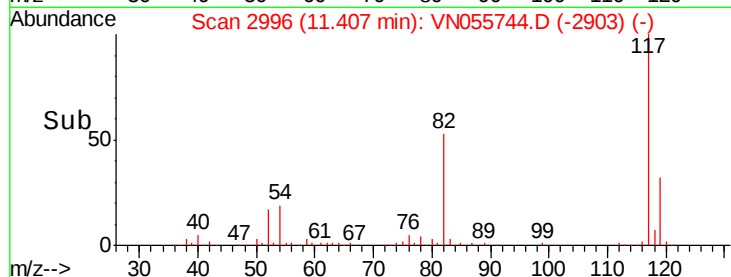
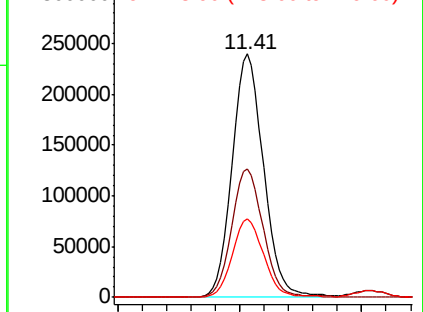
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 430313
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.2 25.4 38.0

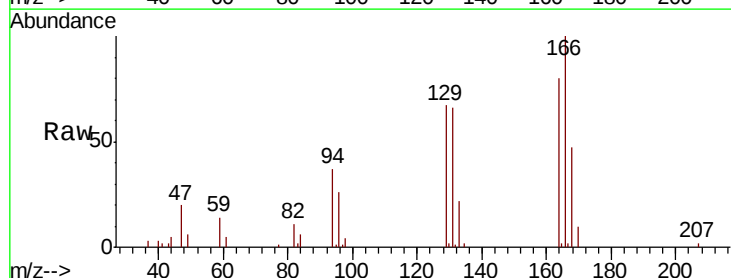


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

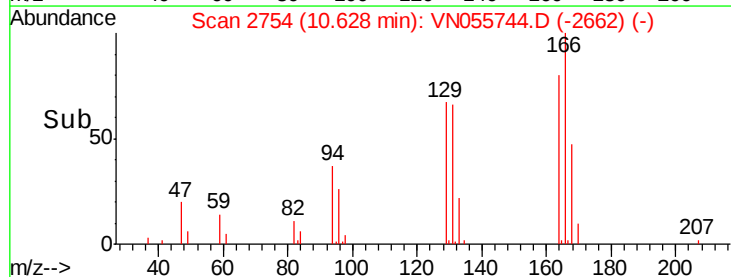
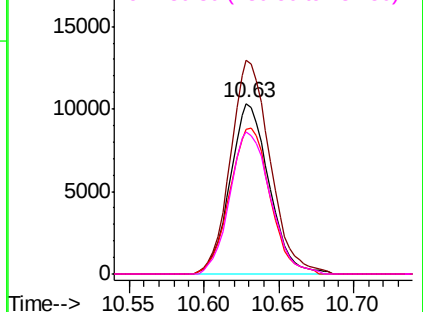


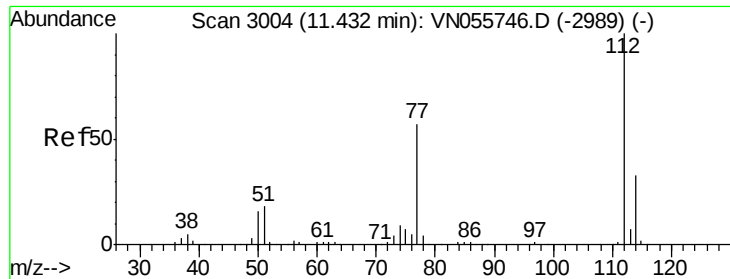
#64
Tetrachloroethene
Concen: 5.482 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:164 Resp: 18749
Ion Ratio Lower Upper
164 100
166 125.3 103.0 154.6
129 84.5 70.6 105.8
131 83.1 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

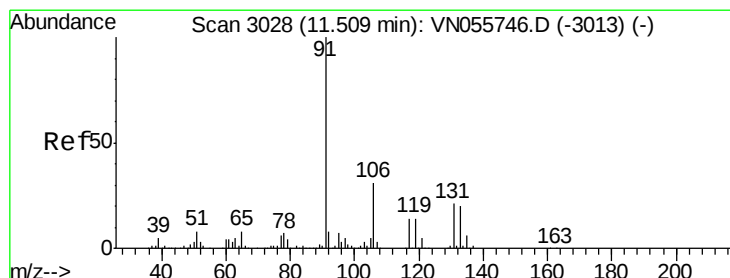
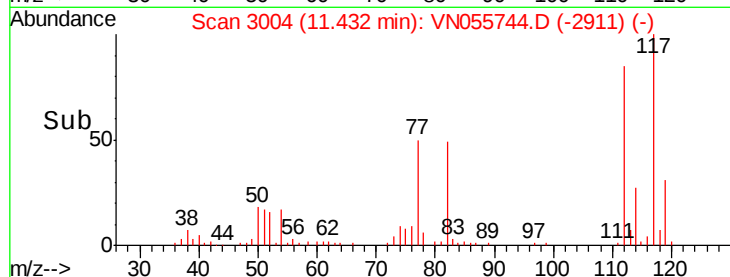
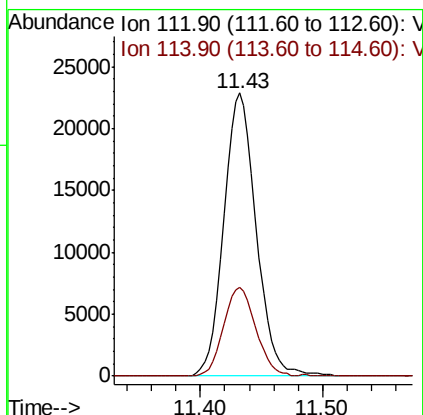
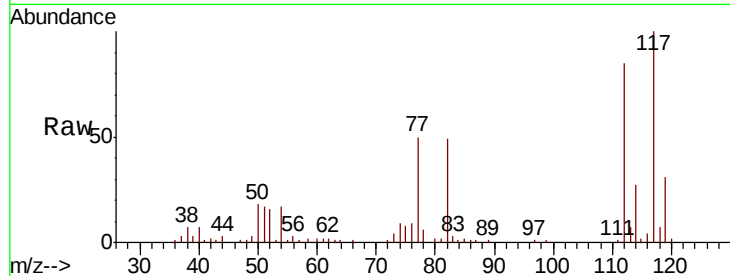




#65
Chlorobenzene
Concen: 4.893 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

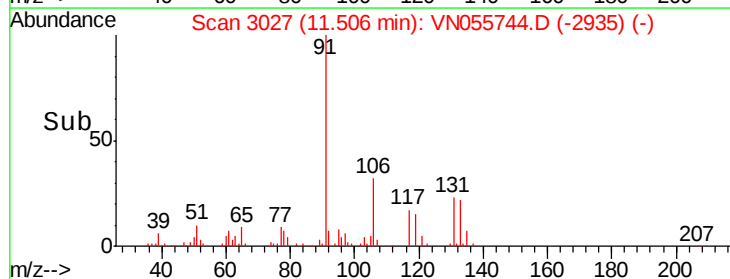
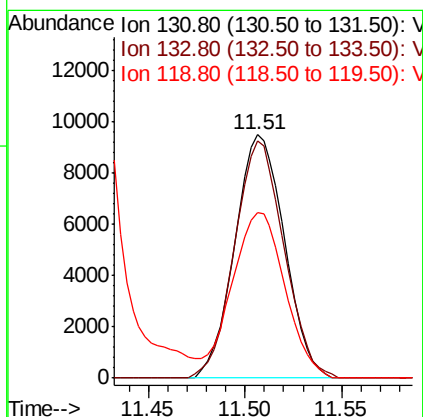
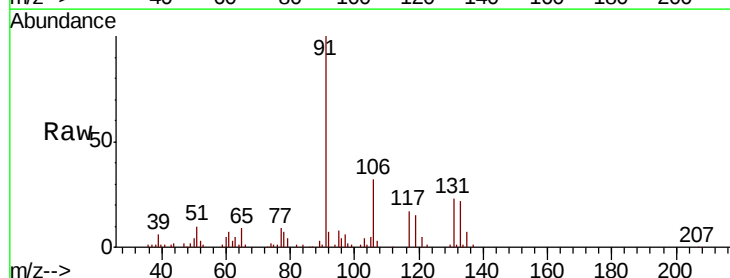
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

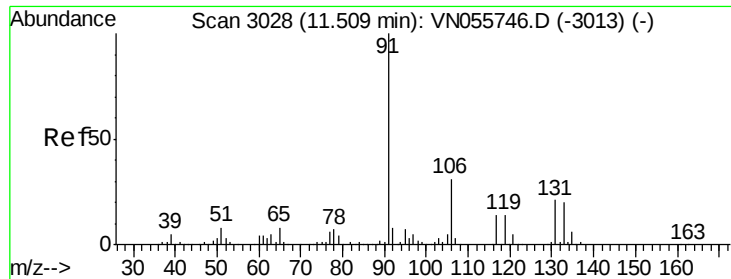
Tot Ion:112 Resp: 42514
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.838 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:131 Resp: 16892
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 73.5 33.1 99.5

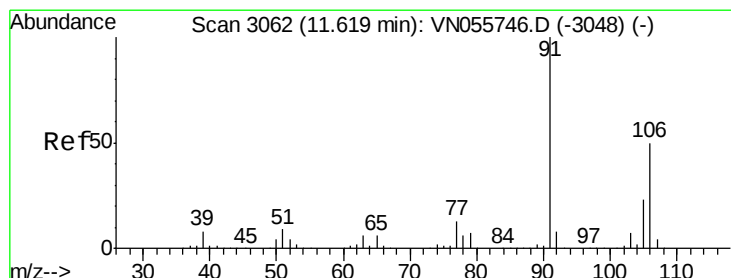
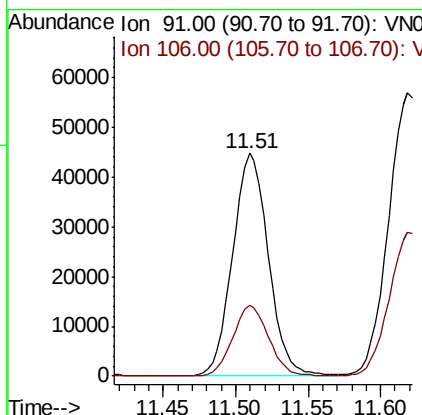
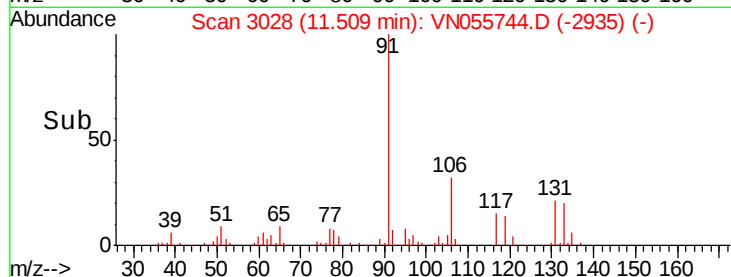
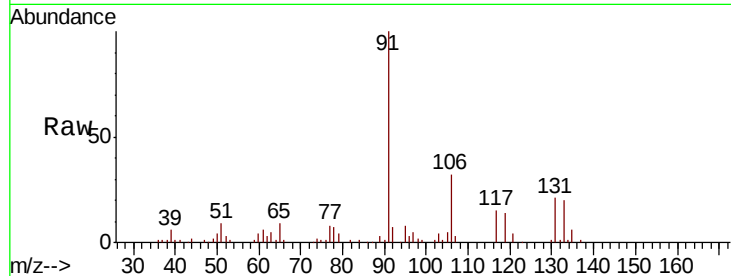




#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

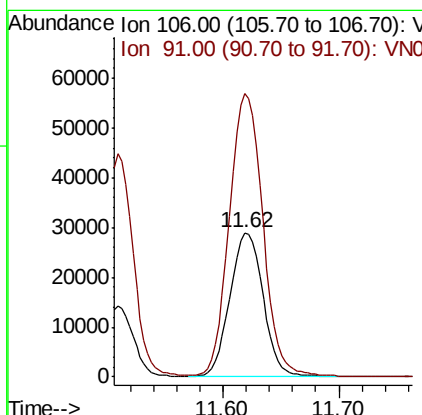
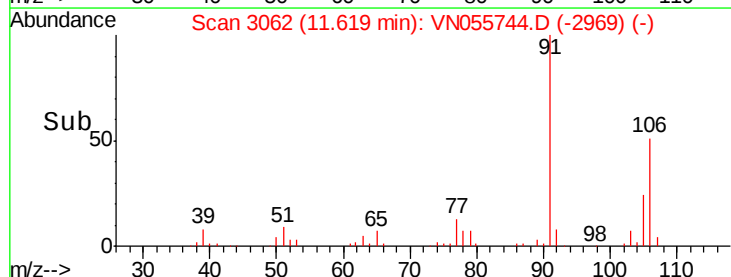
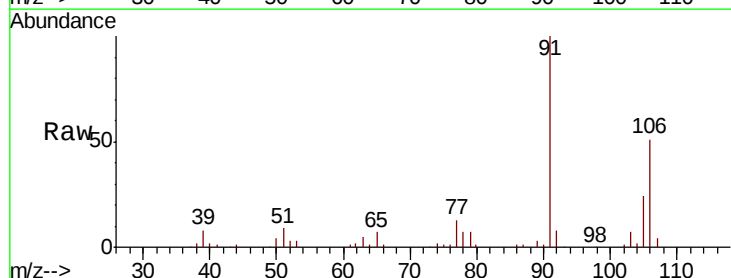
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

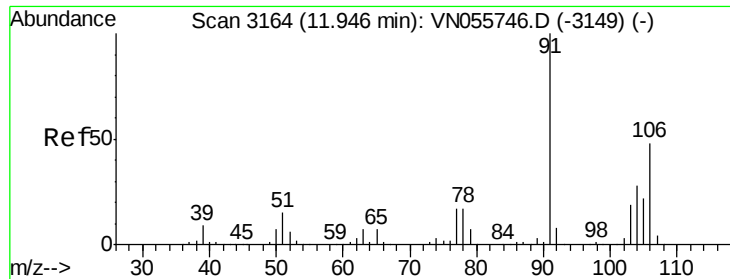
Tot Ion: 91 Resp: 76846
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 9.844 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 106 Resp: 57694
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9

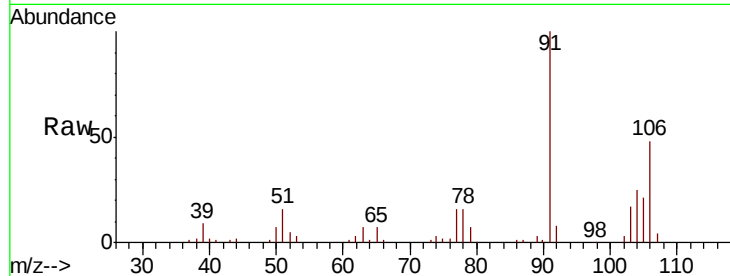




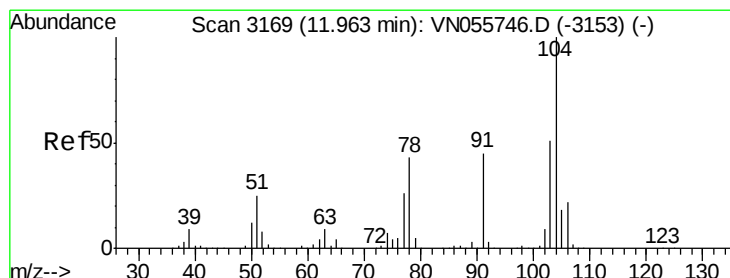
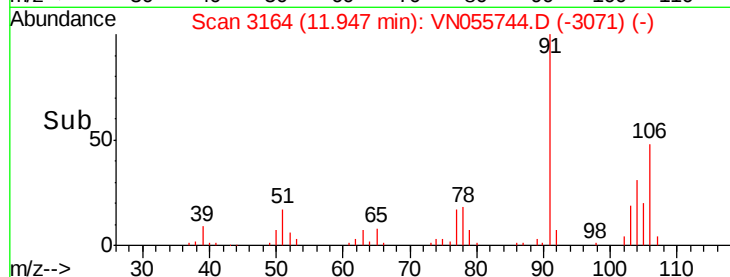
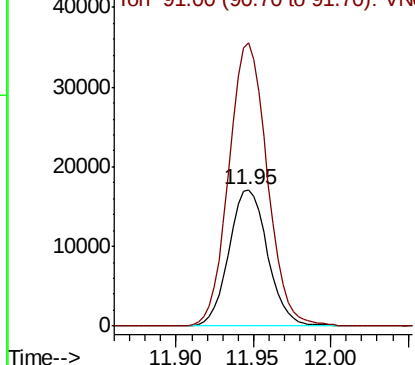
#69
o-Xylene
Concen: 5.165 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 29699
Ion Ratio Lower Upper
106 100
91 206.3 104.7 314.1

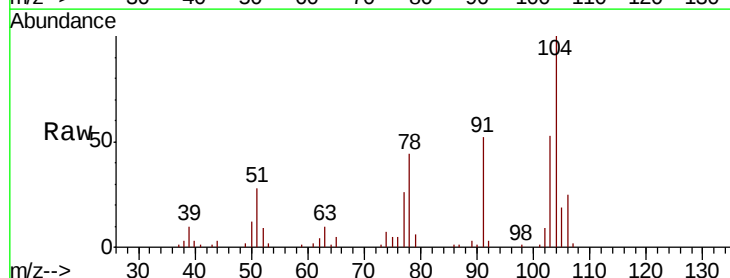


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

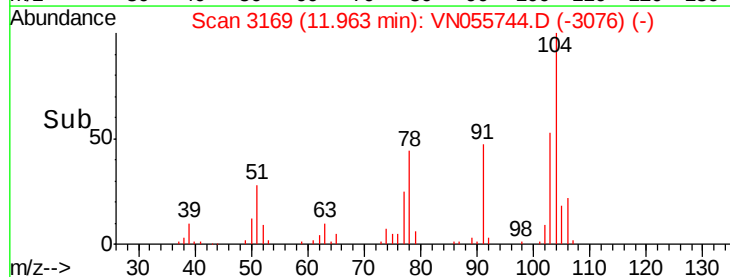
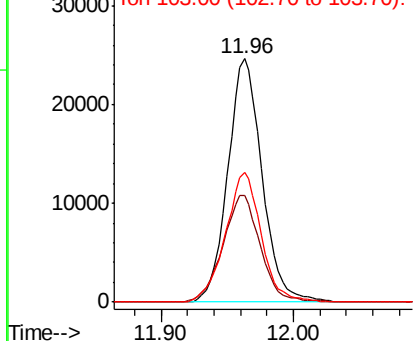


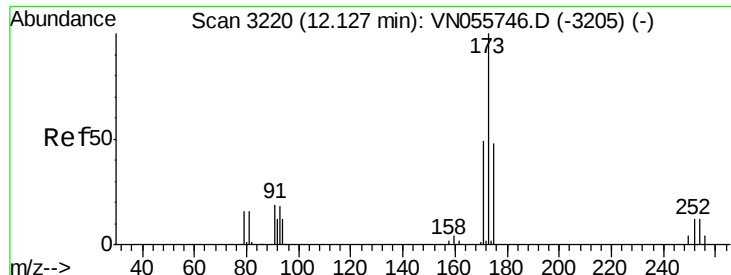
#70
Styrene
Concen: 4.640 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:104 Resp: 44242
Ion Ratio Lower Upper
104 100
78 47.9 37.8 56.6
103 55.3 44.2 66.2



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





#71

Bromoform

Concen: 4.706 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

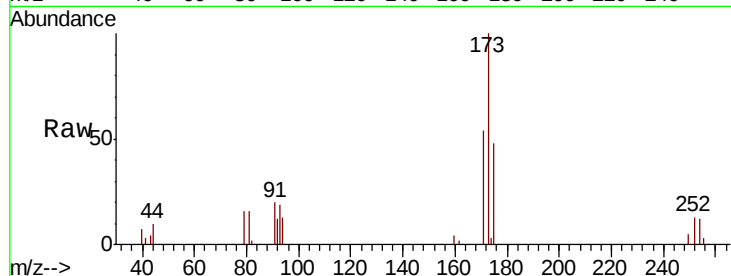
Tot Ion:173 Resp: 13960

Ion Ratio Lower Upper

173 100

175 47.4 24.3 72.8

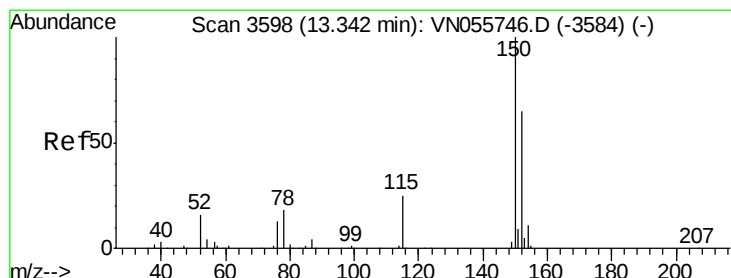
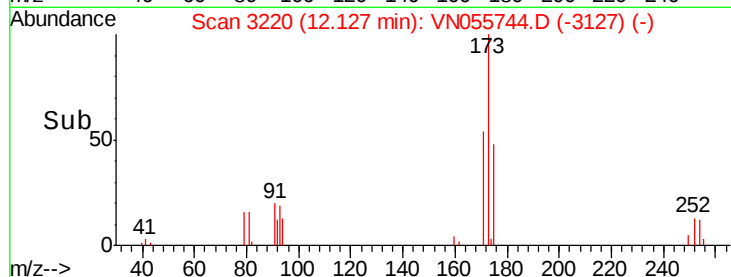
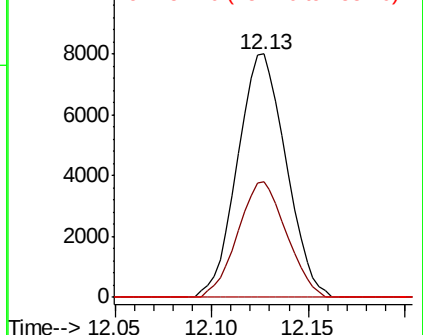
254 0.0 0.0 0.0



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: VN055744.D

Acq: 23 May 2019 9:45

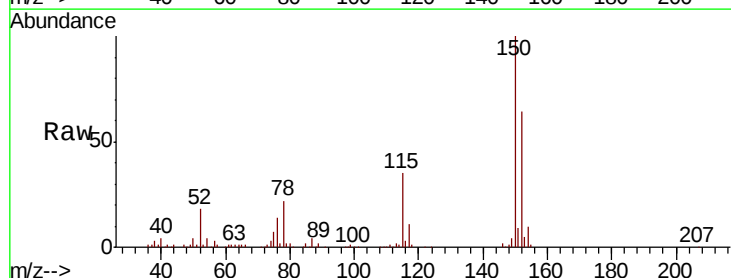
Tgt Ion:152 Resp: 153963

Ion Ratio Lower Upper

152 100

115 54.8 27.0 81.0

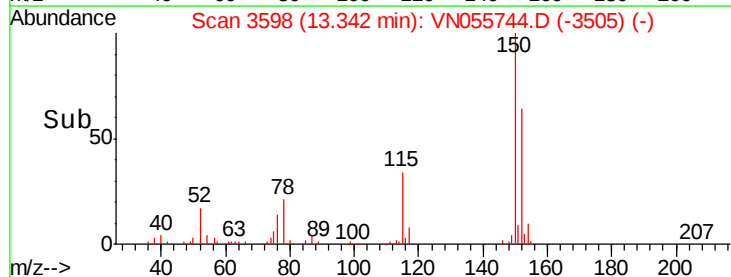
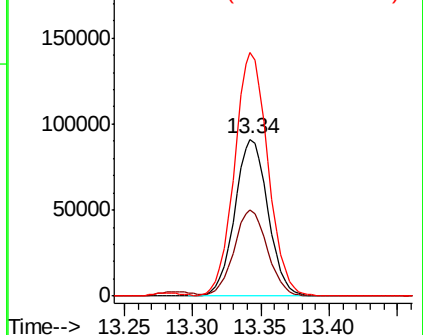
150 156.5 0.0 343.2

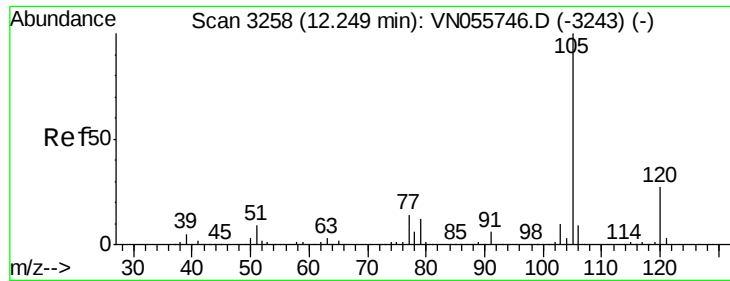


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

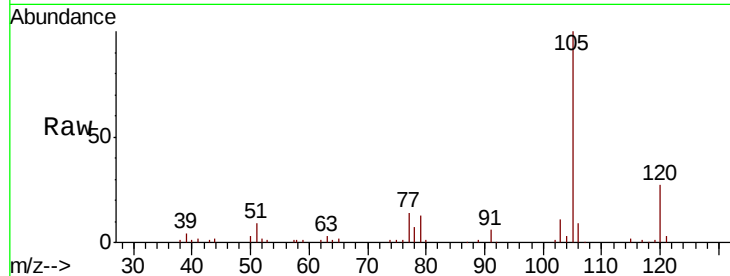
VSTDIC005

Tot Ion:105 Resp: 74332

Ion Ratio Lower Upper

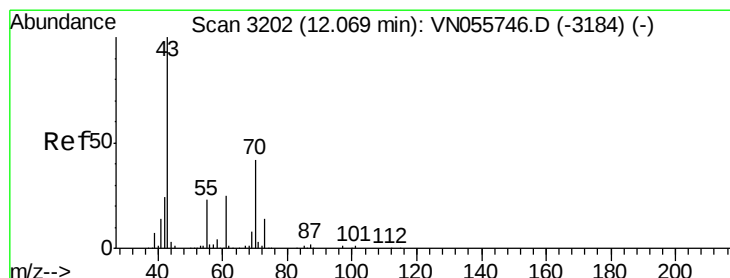
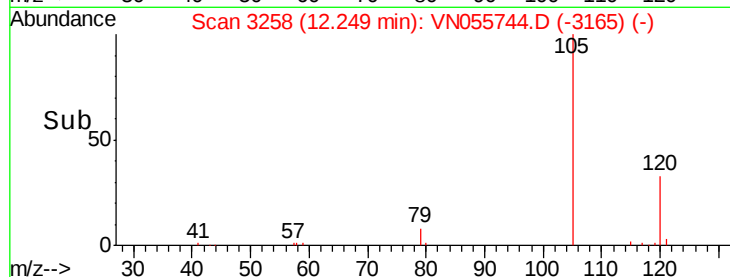
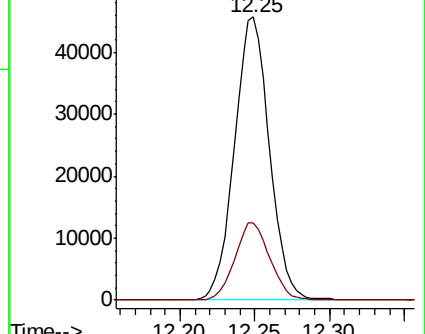
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.229 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion: 43 Resp: 26975

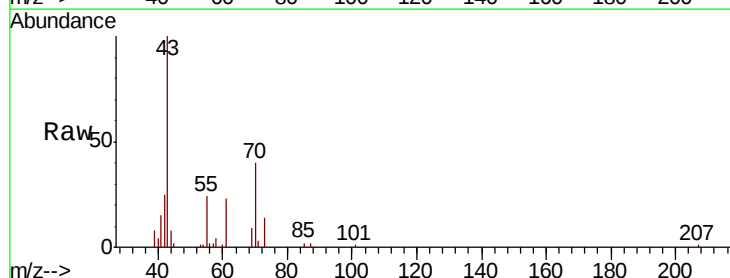
Ion Ratio Lower Upper

43 100

70 42.3 34.0 51.0

55 25.1 18.6 28.0

61 22.8 20.0 30.0

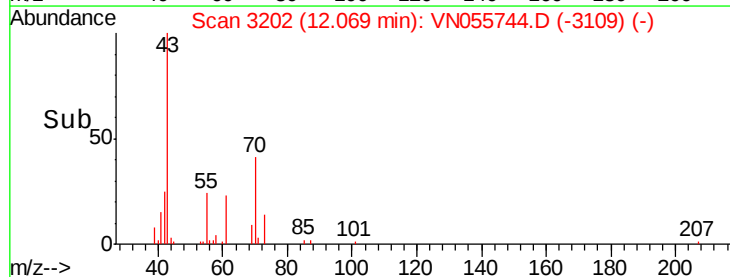
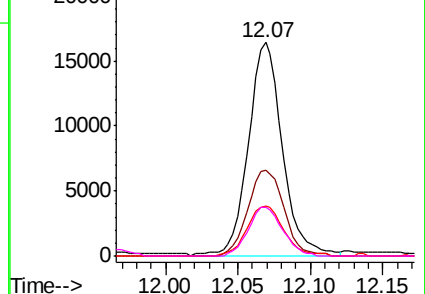


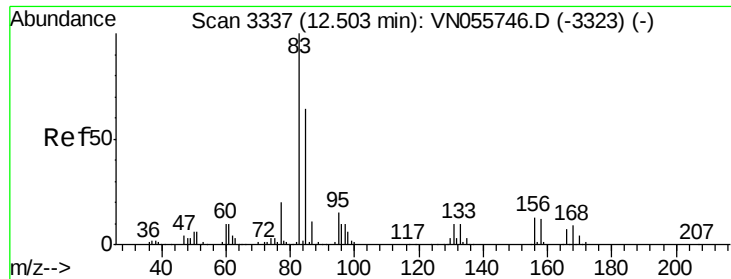
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.826 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

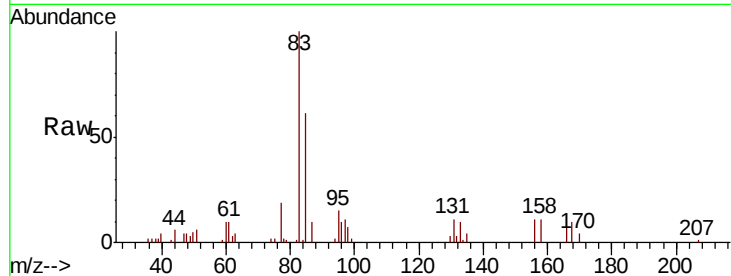
Tot Ion: 83 Resp: 22568

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

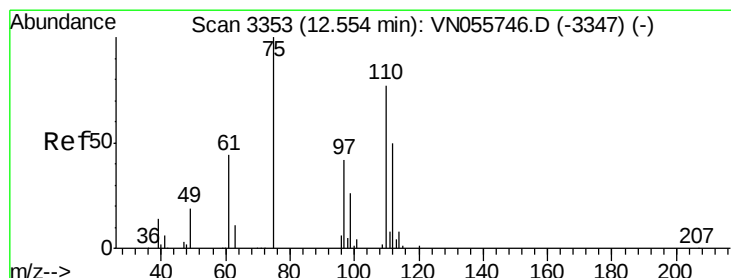
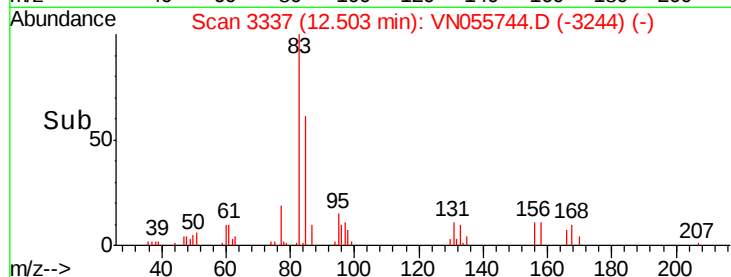
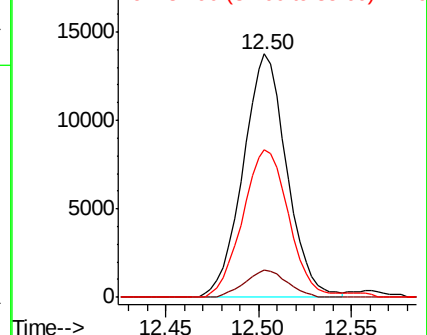
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055744.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055744.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055744.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 8.692 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055744.D

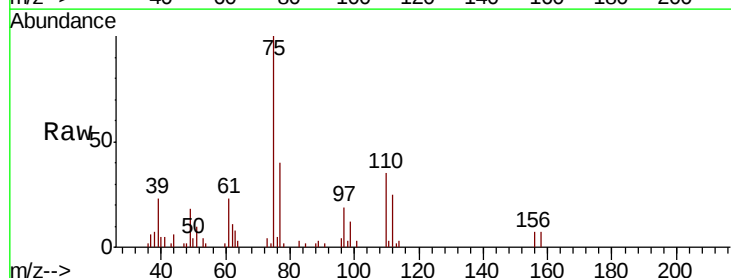
Acq: 23 May 2019 9:45

Tgt Ion: 75 Resp: 27582

Ion Ratio Lower Upper

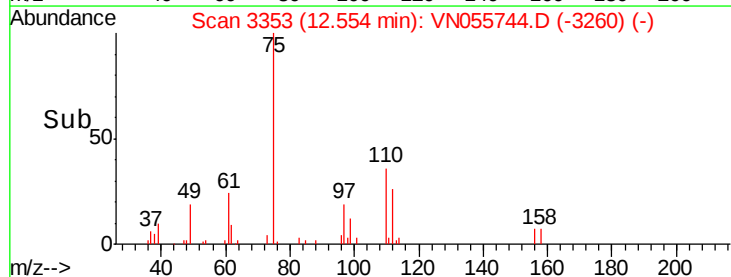
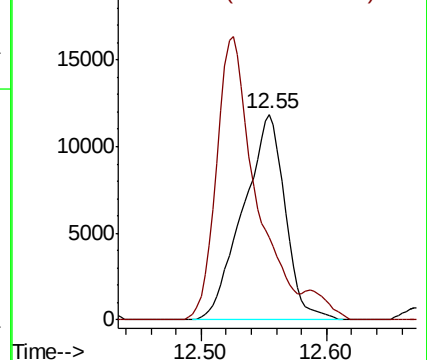
75 100

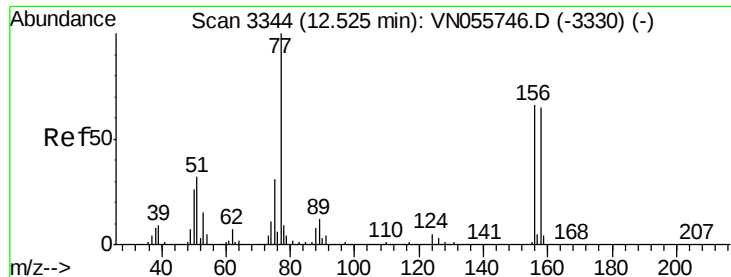
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055744.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055744.D (-3353) (-)





#77

Bromobenzene

Concen: 5.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

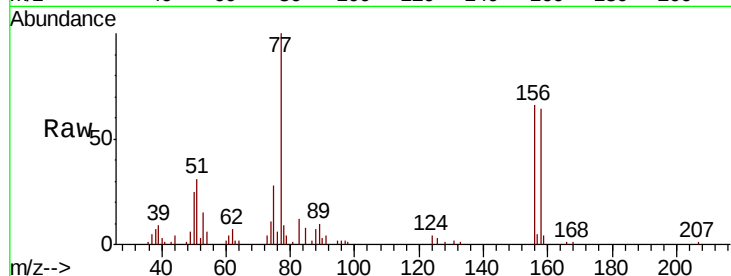
Tot Ion:156 Resp: 18670

Ion Ratio Lower Upper

156 100

77 189.5 90.8 272.5

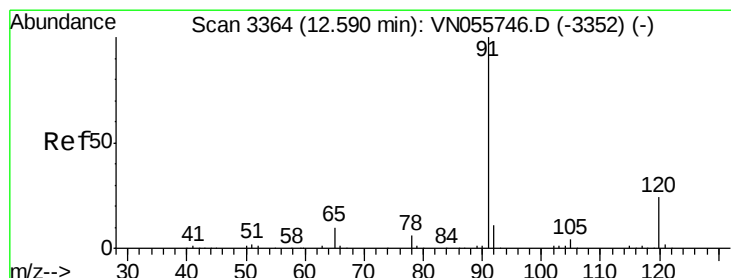
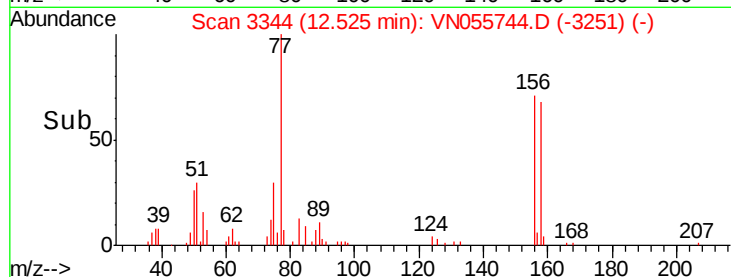
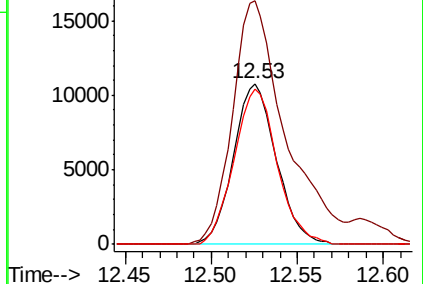
158 97.6 49.3 147.8



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: 5.388 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055744.D

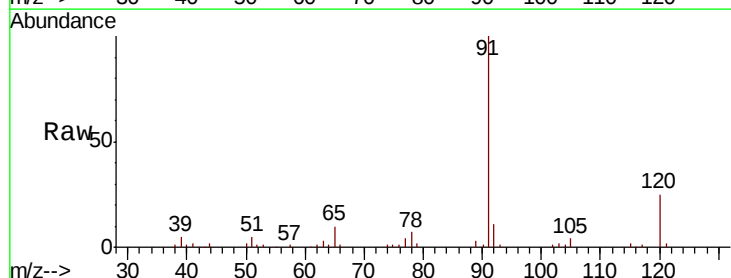
Acq: 23 May 2019 9:45

Tgt Ion: 91 Resp: 73460

Ion Ratio Lower Upper

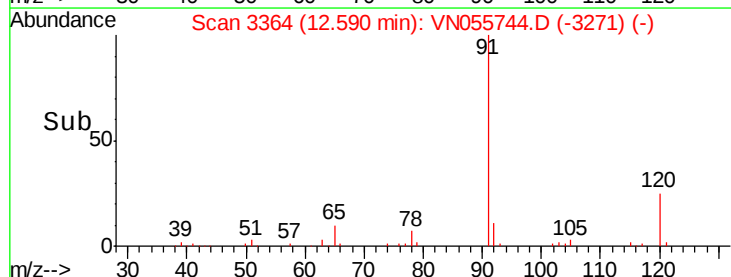
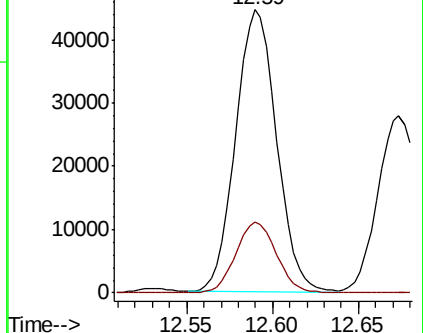
91 100

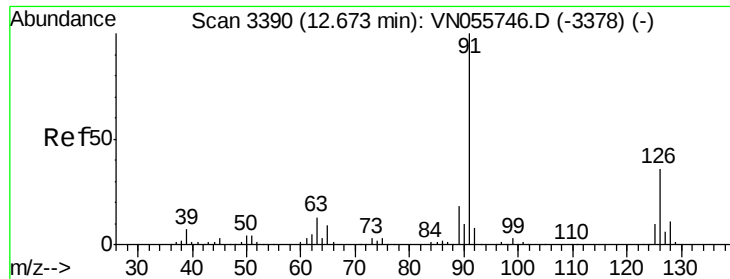
120 24.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

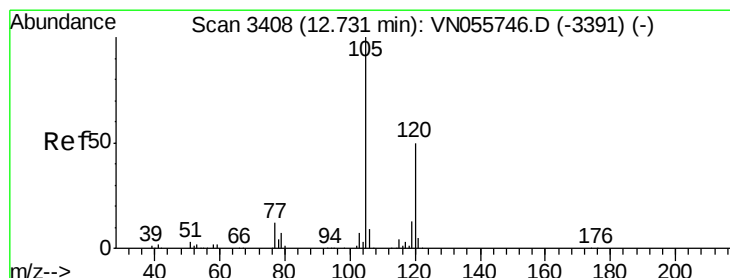
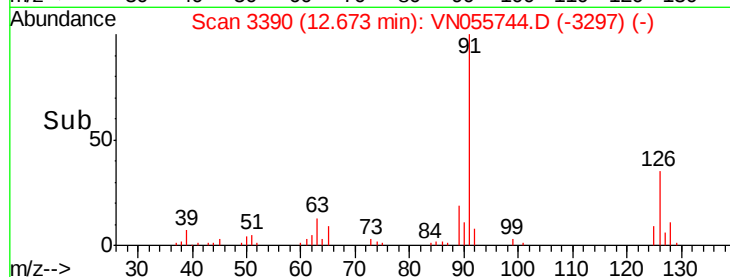
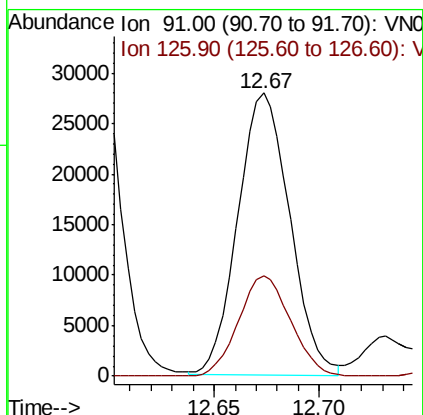
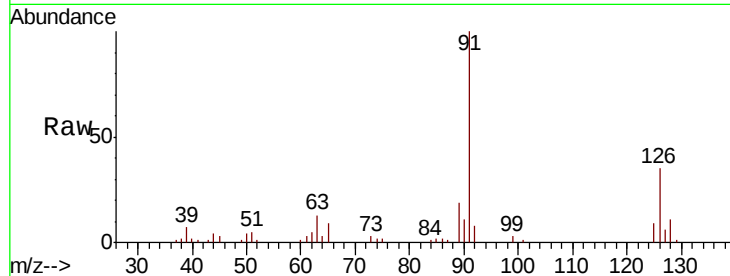




#79
 2-Chlorotoluene
 Concen: 5.767 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

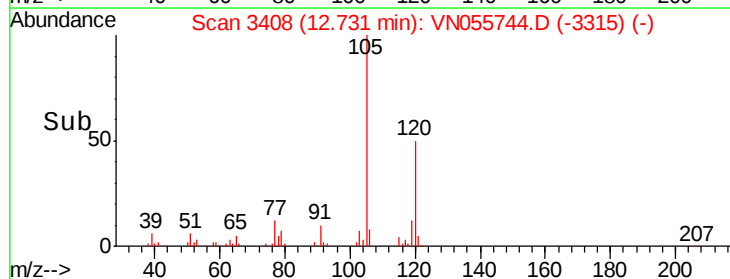
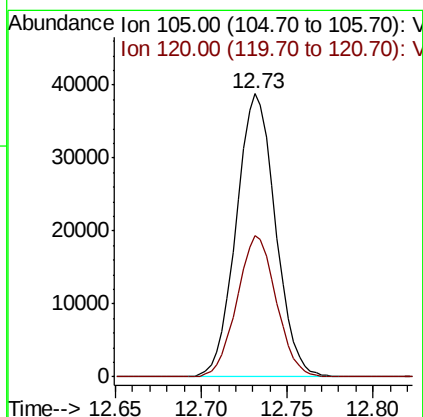
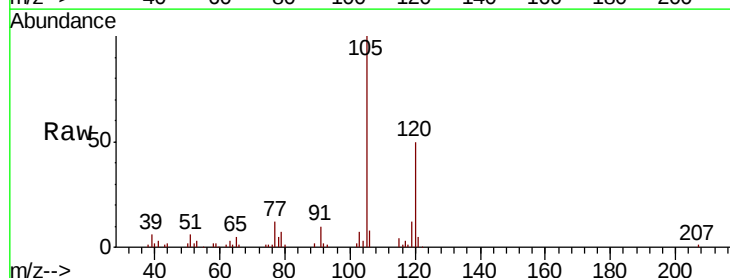
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

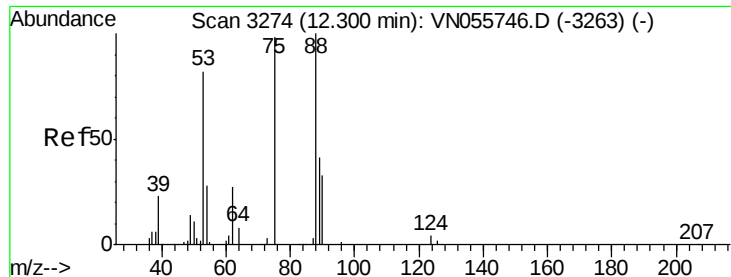
Tot Ion: 91 Resp: 47903
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 5.811 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 105 Resp: 61401
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 5.458 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

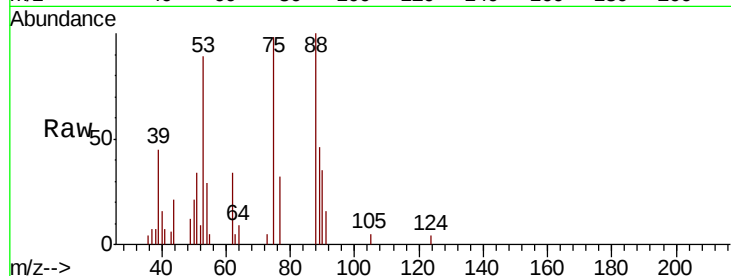
Tot Ion: 75 Resp: 6590

Ion Ratio Lower Upper

75 100

53 91.6 68.1 102.1

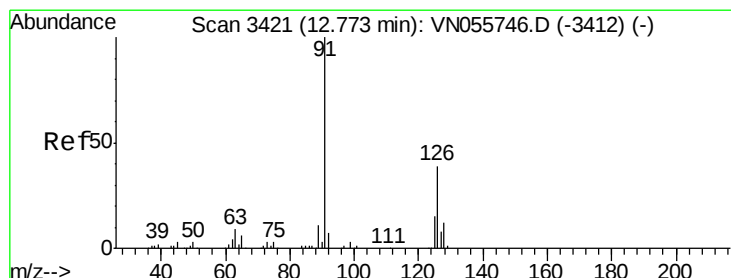
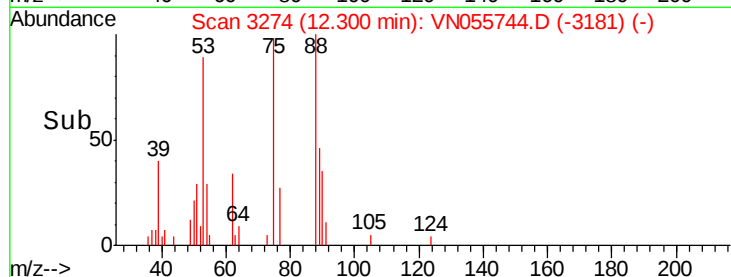
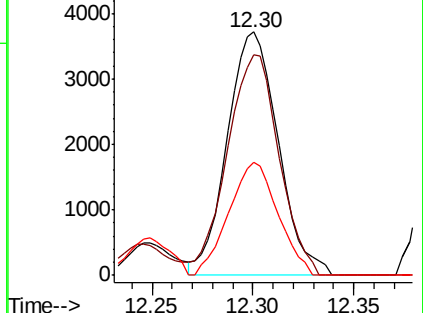
89 44.4 36.9 55.3



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: 5.307 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055744.D

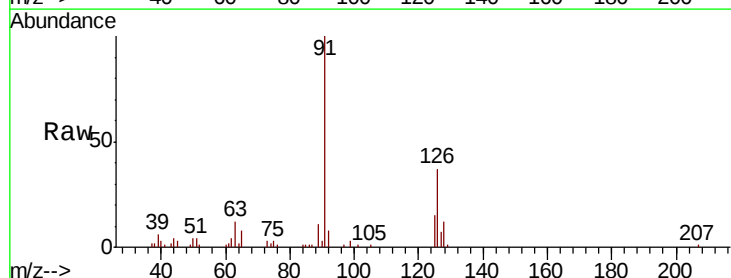
Acq: 23 May 2019 9:45

Tgt Ion: 91 Resp: 42666

Ion Ratio Lower Upper

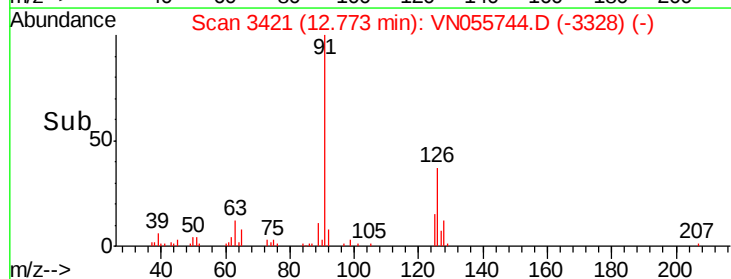
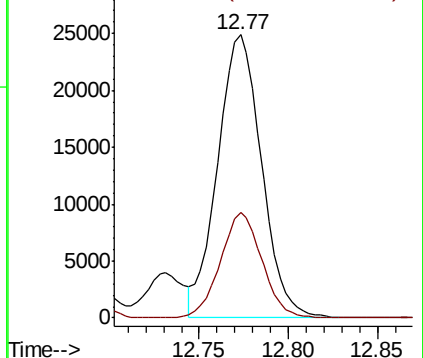
91 100

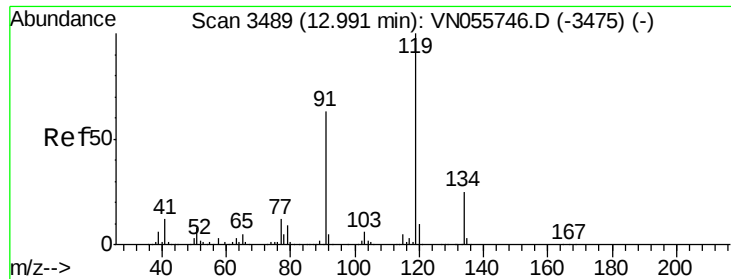
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.977 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

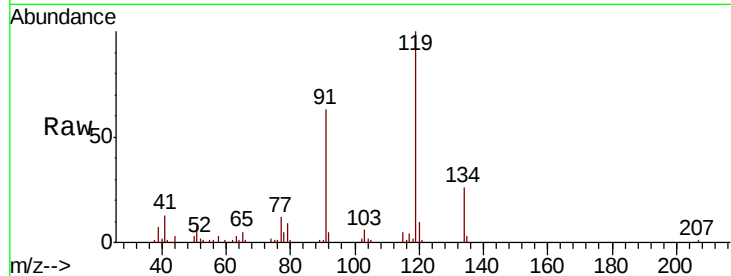
Tot Ion:119 Resp: 55408

Ion Ratio Lower Upper

119 100

91 62.7 30.9 92.8

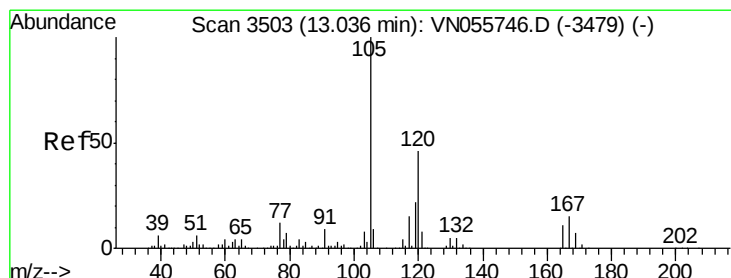
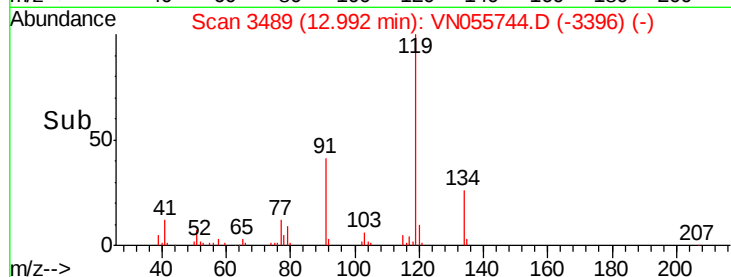
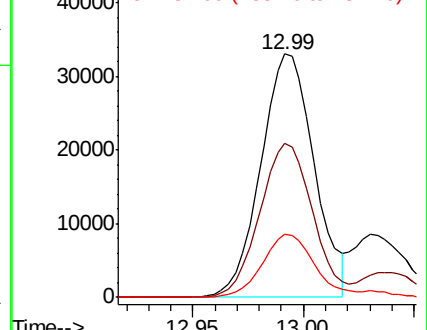
134 26.7 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.764 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN055744.D

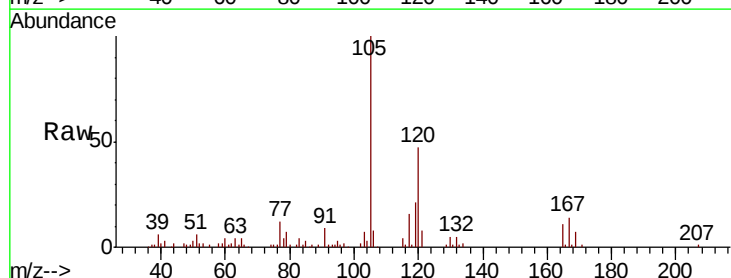
Acq: 23 May 2019 9:45

Tgt Ion:105 Resp: 59982

Ion Ratio Lower Upper

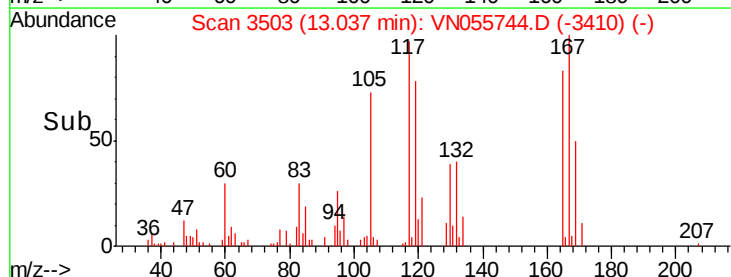
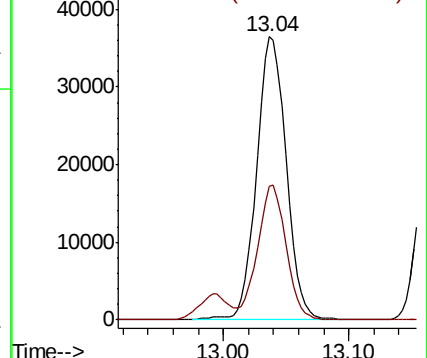
105 100

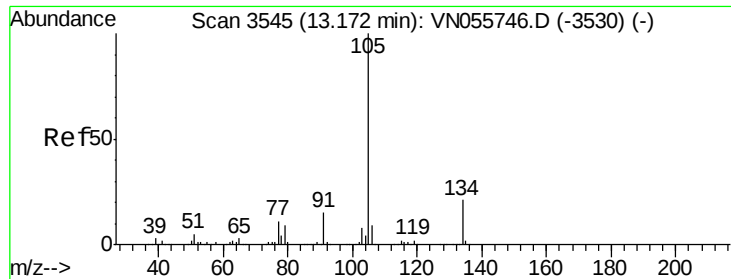
120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.761 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

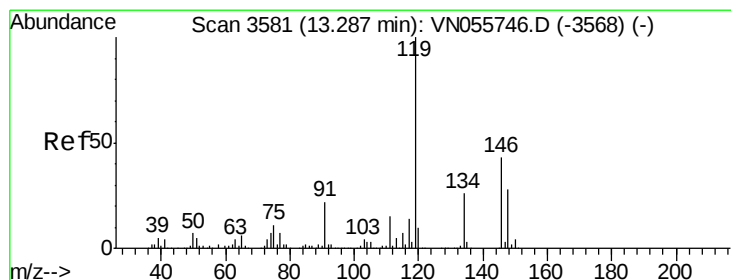
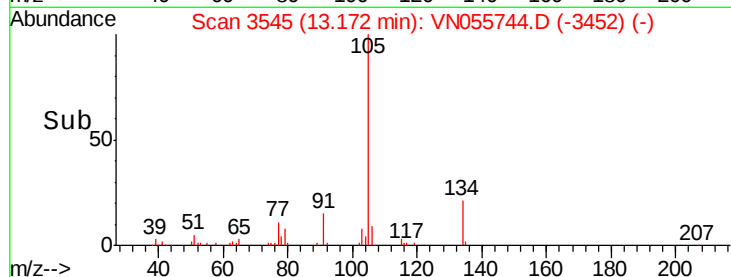
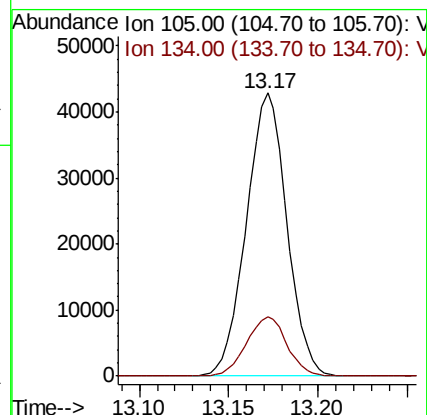
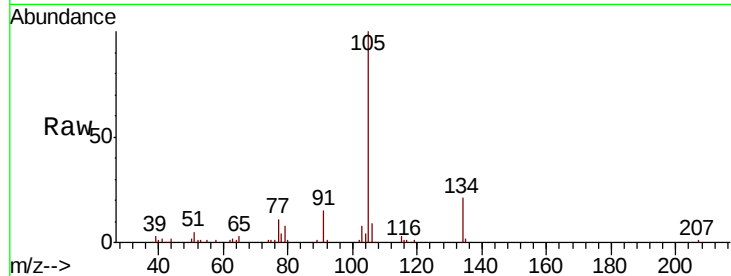
VSTDIC005

Tot Ion:105 Resp: 67822

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2



#86

p-Isopropyltoluene

Concen: 5.534 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

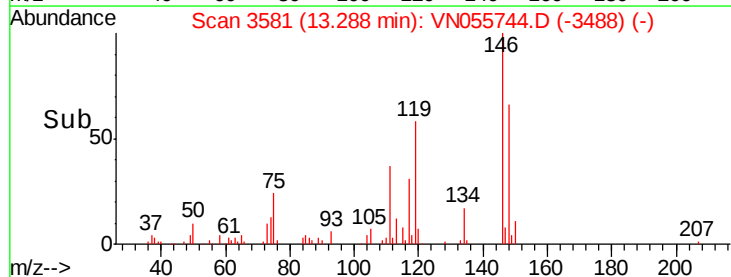
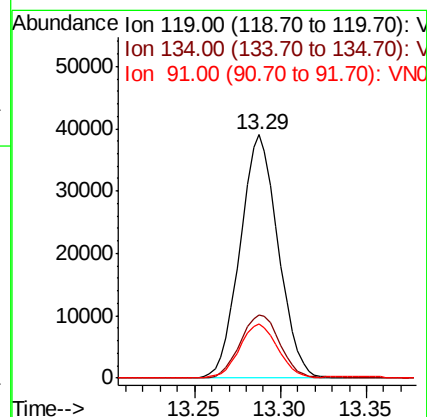
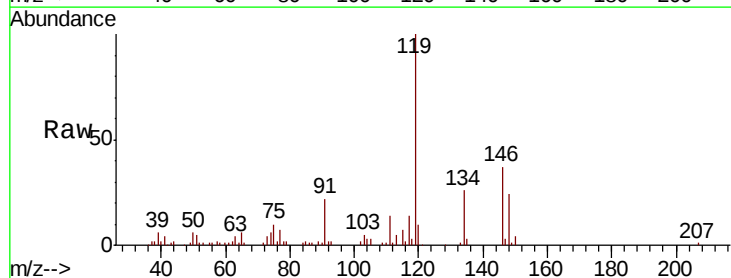
Tgt Ion:119 Resp: 59878

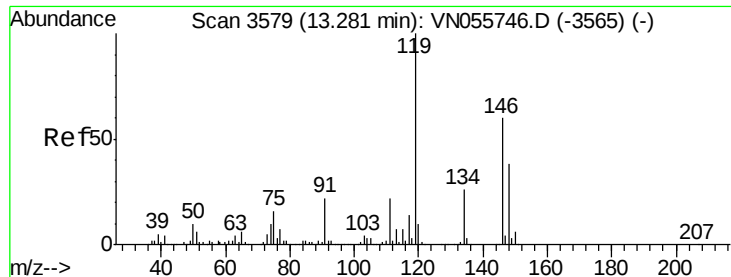
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.4 10.9 32.9

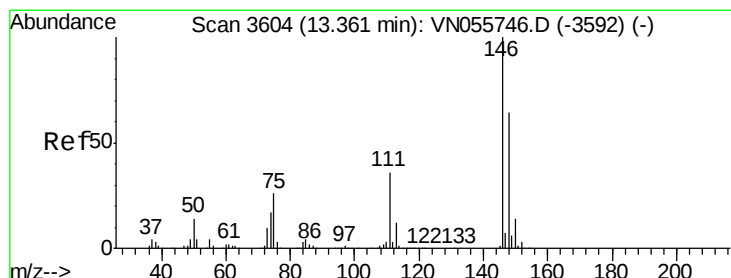
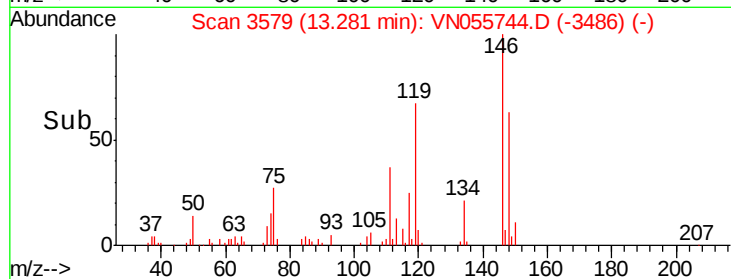
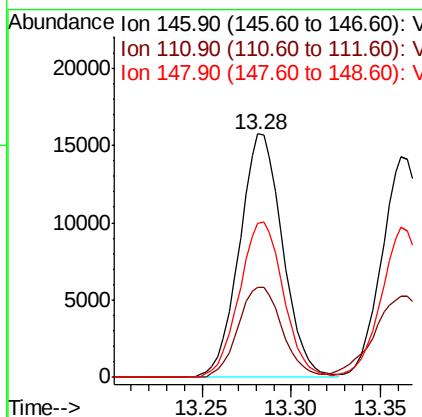
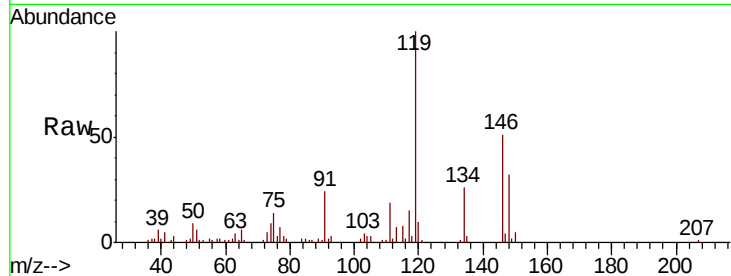




#87
 1,3-Dichlorobenzene
 Concen: 5.082 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

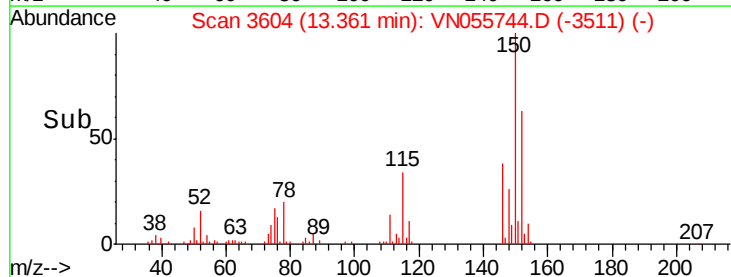
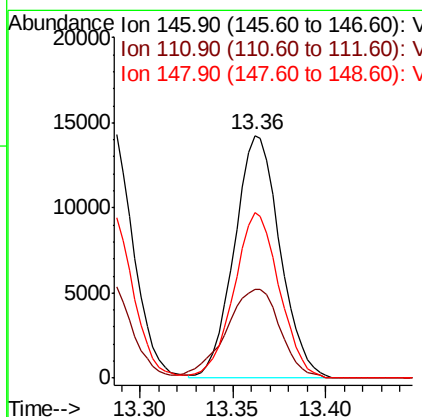
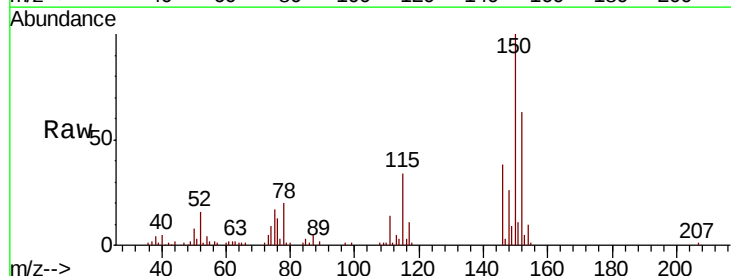
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

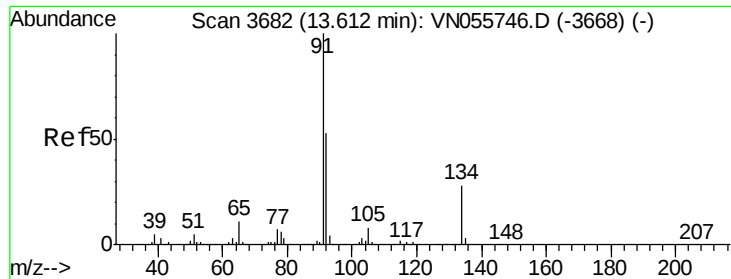
Tot Ion:146 Resp: 26578
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.5 55.5
 148 64.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 4.908 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion:146 Resp: 24414
 Ion Ratio Lower Upper
 146 100
 111 43.7 18.1 54.4
 148 67.8 32.1 96.5

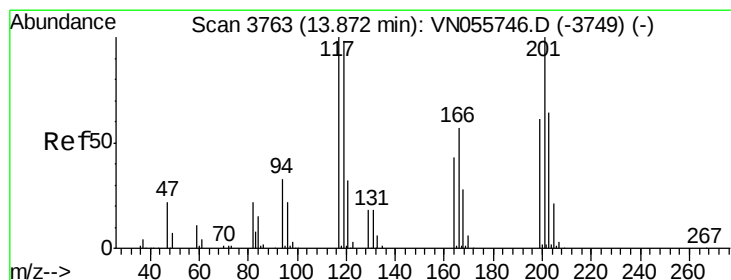
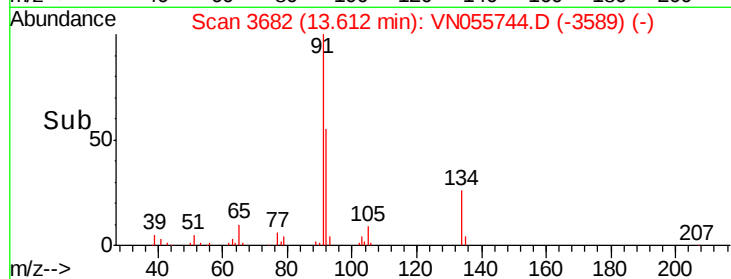
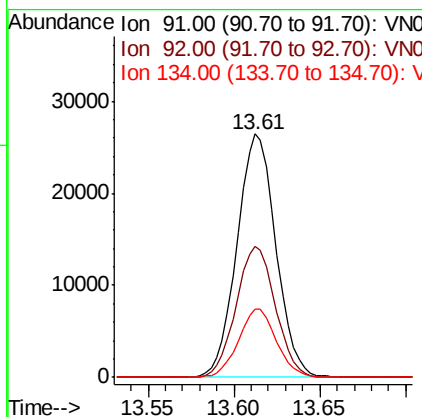
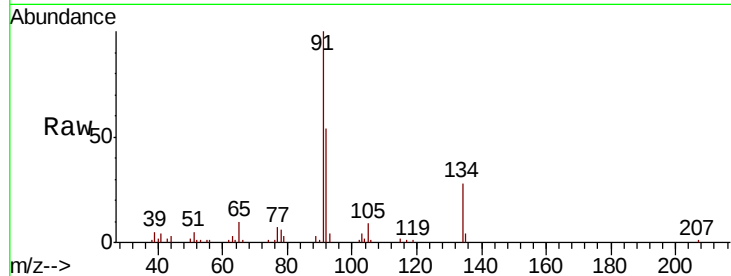




#89
n-Butylbenzene
Concen: 4.925 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

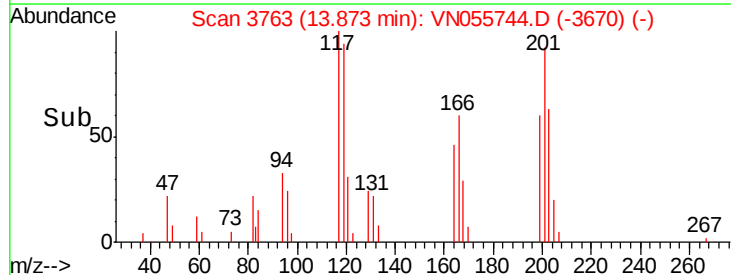
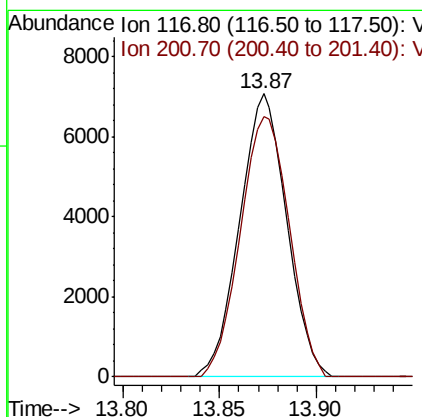
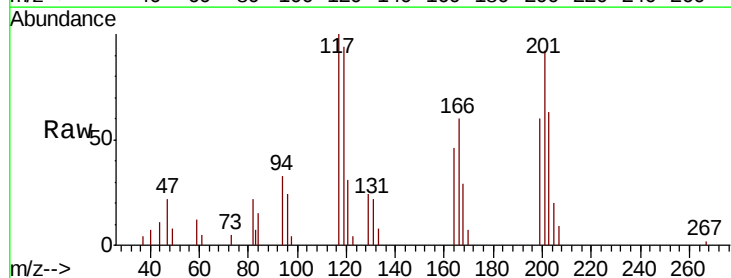
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 41399
Ion Ratio Lower Upper
91 100
92 54.2 26.4 79.0
134 27.5 13.9 41.7



#90
Hexachloroethane
Concen: 5.782 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 117 Resp: 11943
Ion Ratio Lower Upper
117 100
201 95.7 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 5.352 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

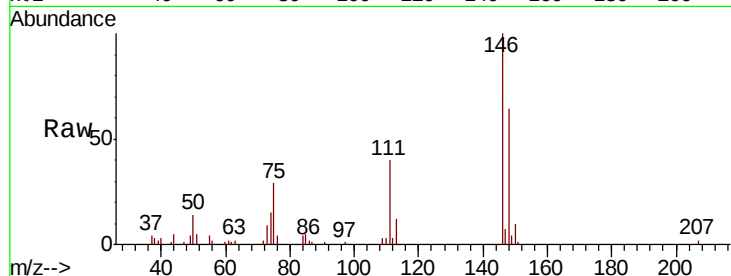
Tot Ion:146 Resp: 27898

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.5

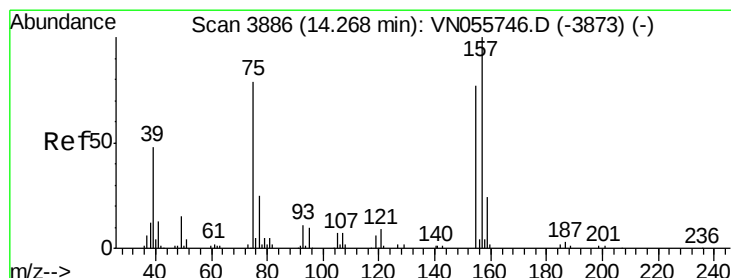
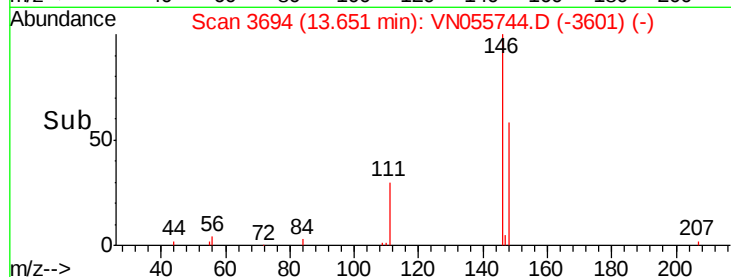
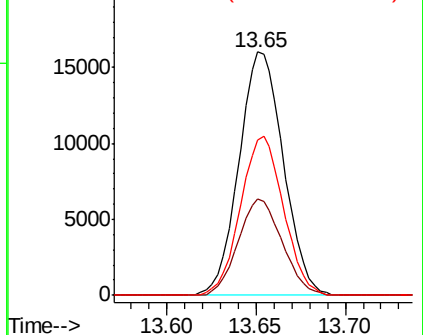
148 63.3 31.9 95.9



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: 5.562 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

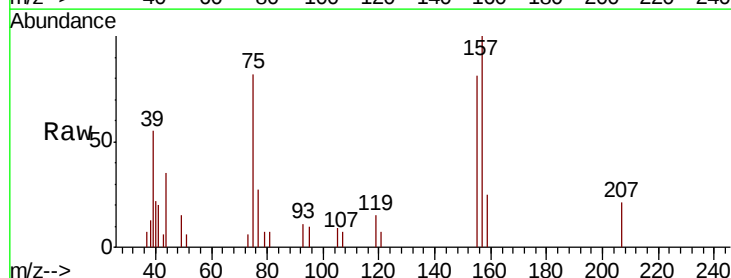
Tgt Ion: 75 Resp: 3833

Ion Ratio Lower Upper

75 100

155 94.8 50.0 150.1

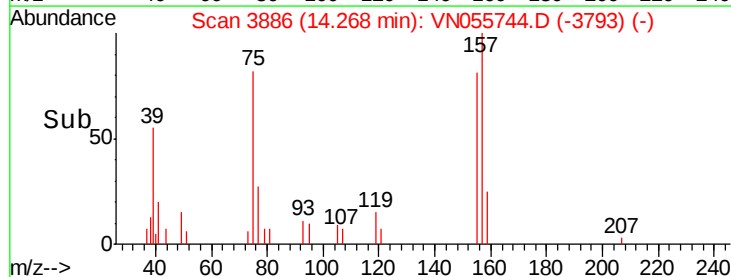
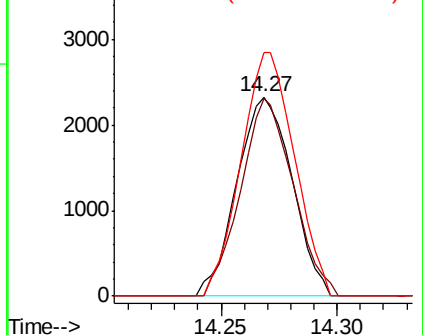
157 119.1 64.8 194.3

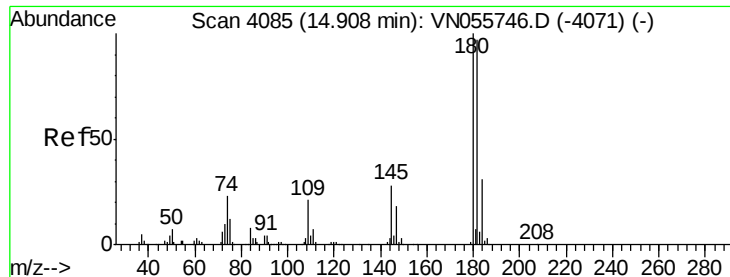


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

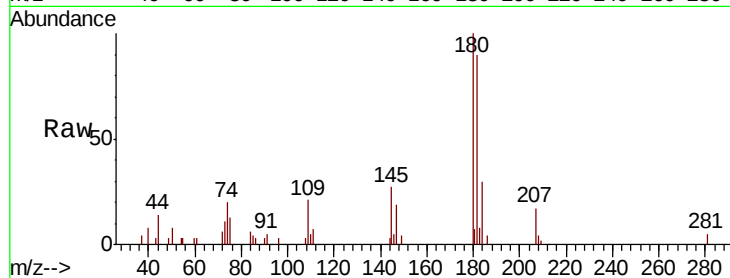




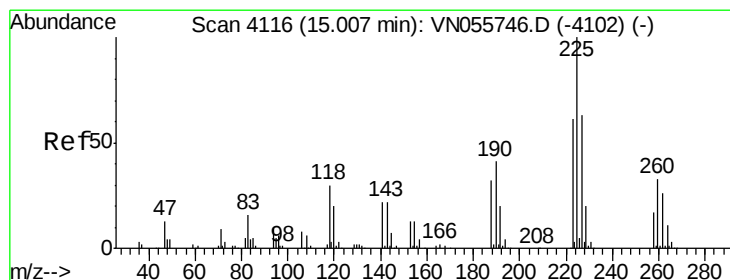
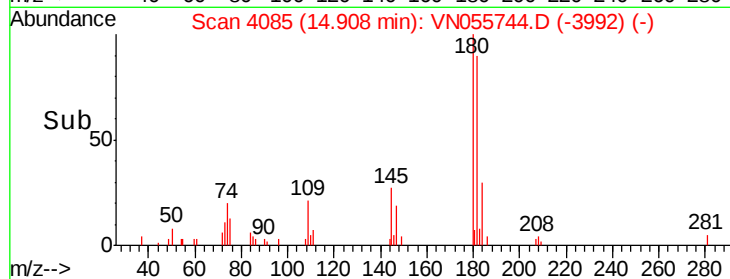
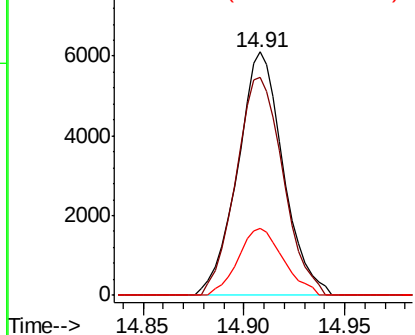
#93
 1,2,4-Trichlorobenzene
 Concen: 3.691 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 9650
 Ion Ratio Lower Upper
 180 100
 182 92.4 48.3 144.9
 145 27.3 14.0 41.9

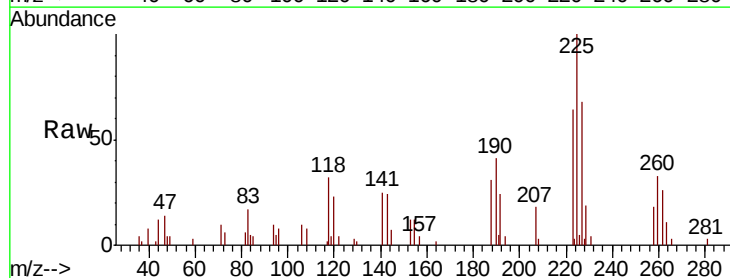


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

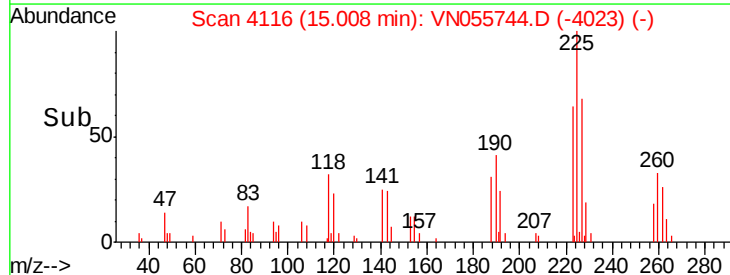
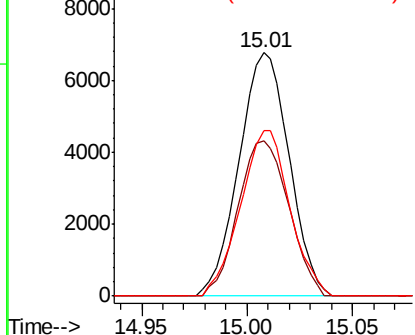


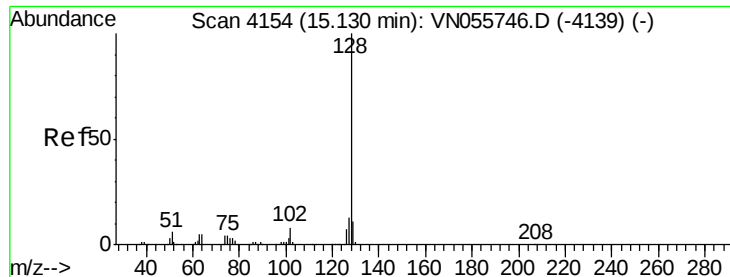
#94
 Hexachlorobutadiene
 Concen: 6.044 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion:225 Resp: 11209
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.9 92.7
 227 66.8 31.6 94.7



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: 4.020 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

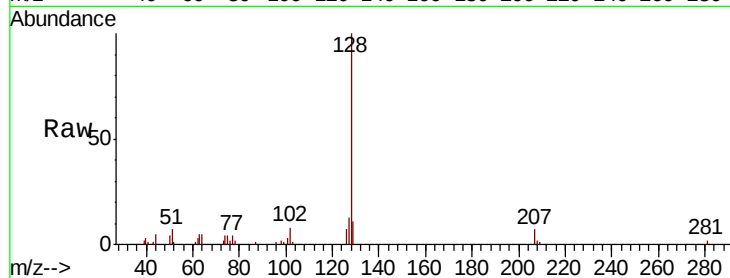
Tot Ion:128 Resp: 28437

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

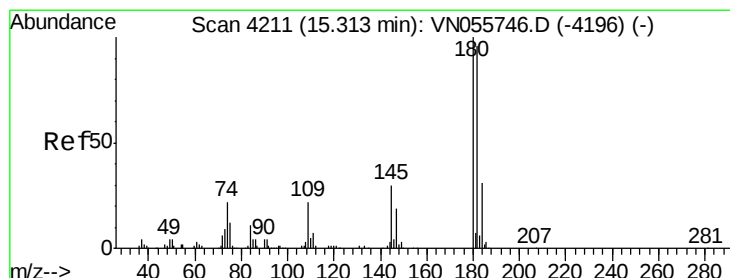
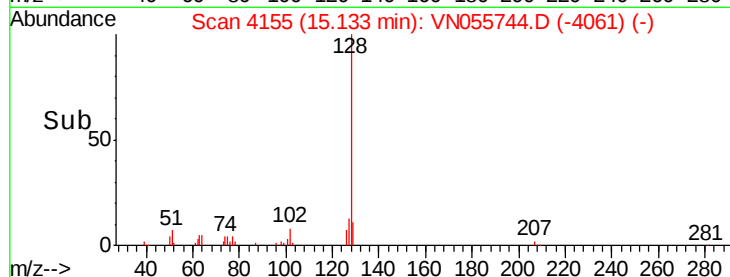
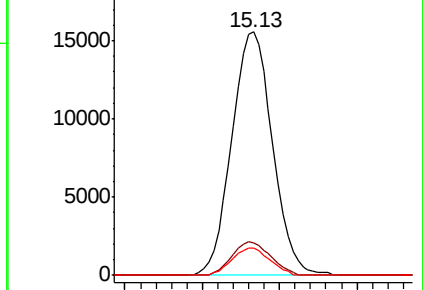
129 10.3 8.7 13.1



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: 4.231 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

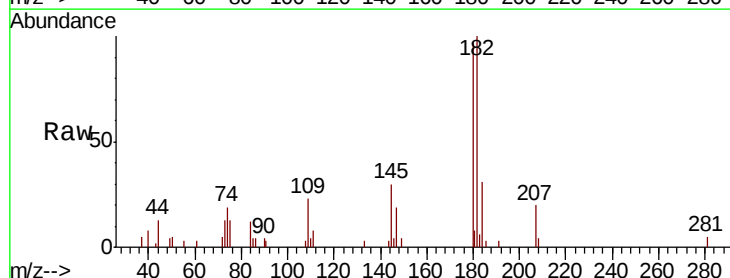
Tgt Ion:180 Resp: 11668

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.0 14.9 44.7



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

