

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056921.D
 Acq On : 25 Jul 2019 14:28
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 26 03:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	421093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	636775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	539158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	22357	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
35) Dibromofluoromethane	7.57	113	19994	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
50) Toluene-d8	10.08	98	75349	4.80	ug/l	0.00
Spiked Amount			Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	21826	4.27	ug/l	0.00
Spiked Amount			Recovery	=	8.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	19235	4.139	ug/l	95
3) Chloromethane	2.05	50	27536	4.745	ug/l	95
4) Vinyl Chloride	2.17	62	25502	4.786	ug/l	99
5) Bromomethane	2.54	94	15885	4.876	ug/l	98
6) Chloroethane	2.68	64	13702	4.653	ug/l	97
7) Trichlorofluoromethane	3.00	101	34322	5.164	ug/l	94
8) Diethyl Ether	3.39	74	13007	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	20828	5.093	ug/l	98
10) Methyl Iodide	3.93	142	27893	5.092	ug/l	98
11) Tert butyl alcohol	4.76	59	18736	29.808	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	20285	4.967	ug/l	96
13) Acrolein	3.59	56	11091	22.923	ug/l	100
14) Allyl chloride	4.30	41	31184	4.653	ug/l	98
15) Acrylonitrile	4.96	53	45499	23.891	ug/l	99
16) Acetone	3.80	43	37564	23.005	ug/l	97
17) Carbon Disulfide	4.03	76	51270	4.623	ug/l	99
18) Methyl Acetate	4.31	43	26229	4.163	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	57527	4.777	ug/l	99
20) Methylene Chloride	4.53	84	24552	5.100	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	22114	5.182	ug/l	91
22) Diisopropyl ether	5.93	45	66979	4.946	ug/l	90
23) Vinyl Acetate	5.88	43	219643	22.589	ug/l	98
24) 1,1-Dichloroethane	5.82	63	40427	5.144	ug/l	98
25) 2-Butanone	6.82	43	58347	24.575	ug/l	94
26) 2,2-Dichloropropane	6.80	77	28247	5.061	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	25866	5.272	ug/l	94
28) Bromochloromethane	7.18	49	18311	5.121	ug/l	99
29) Tetrahydrofuran	7.19	42	38377	23.755	ug/l	98
30) Chloroform	7.36	83	42072	5.328	ug/l	99
31) Cyclohexane	7.63	56	41970	5.522	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	31125	4.873	ug/l	98
36) 1,1-Dichloropropene	7.78	75	28789	4.901	ug/l	99
37) Ethyl Acetate	6.91	43	22253	4.732	ug/l	97
38) Carbon Tetrachloride	7.76	117	26525	4.728	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 26 03:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	33106	4.485	ug/l	95
40) Benzene	8.03	78	92558	5.060	ug/l	97
41) Methacrylonitrile	7.16	41	10652	4.691	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	29940	5.239	ug/l	98
43) Isopropyl Acetate	8.15	43	37524	4.625	ug/l	98
44) Trichloroethene	8.82	130	25048	5.084	ug/l	89
45) 1,2-Dichloropropane	9.10	63	24883	5.037	ug/l	97
46) Dibromomethane	9.20	93	15051	4.937	ug/l	98
47) Bromodichloromethane	9.39	83	28581	4.973	ug/l	98
48) Methyl methacrylate	9.19	41	16613	4.104	ug/l	91
49) 1,4-Dioxane	9.19	88	7550	94.395	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	114979	23.812	ug/l	97
52) Toluene	10.15	92	54015	4.900	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	26952	4.590	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	31816	4.583	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	22453	5.130	ug/l	95
56) Ethyl methacrylate	10.42	69	27563	4.562	ug/l	98
57) 1,3-Dichloropropane	10.70	76	36859	5.092	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	50731	20.154	ug/l	100
59) 2-Hexanone	10.74	43	73930	22.052	ug/l	99
60) Dibromochloromethane	10.89	129	20569	4.681	ug/l	96
61) 1,2-Dibromoethane	11.00	107	21026	4.847	ug/l	98
64) Tetrachloroethene	10.62	164	26860	5.719	ug/l	99
65) Chlorobenzene	11.43	112	57763	5.130	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	20325	4.784	ug/l	93
67) Ethyl Benzene	11.50	91	97154	4.993	ug/l	100
68) m/p-Xylenes	11.62	106	70598	9.689	ug/l	100
69) o-Xylene	11.94	106	35470	4.998	ug/l	100
70) Styrene	11.96	104	49603	4.383	ug/l	98
71) Bromoform	12.12	173	13566	4.639	ug/l #	98
73) Isopropylbenzene	12.24	105	91685	6.359	ug/l	100
74) N-amyl acetate	12.06	43	24450	5.123	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	27571	6.507	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	29372	8.520	ug/l #	100
77) Bromobenzene	12.52	156	22914	6.370	ug/l	98
78) n-propylbenzene	12.59	91	89171	5.862	ug/l	99
79) 2-Chlorotoluene	12.67	91	59418	6.251	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	74746	6.220	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	5143	4.854	ug/l #	81
82) 4-Chlorotoluene	12.77	91	49410	5.473	ug/l	99
83) tert-Butylbenzene	12.99	119	65311	6.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	68478	5.981	ug/l	99
85) sec-Butylbenzene	13.17	105	81823	6.078	ug/l	100
86) p-Isopropyltoluene	13.28	119	68572	5.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	29550	5.115	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	27966	5.004	ug/l	96
89) n-Butylbenzene	13.61	91	49945	5.425	ug/l	98
90) Hexachloroethane	13.87	117	12688	6.108	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	30967	5.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3358	5.355	ug/l	98

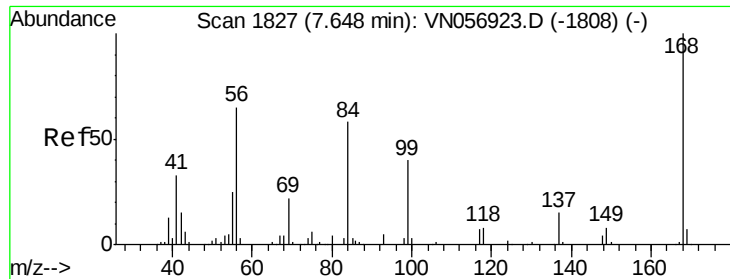
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
Data File : VN056921.D
Acq On : 25 Jul 2019 14:28
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 26 03:18:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 03:12:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7976	3.202	ug/l	98
94) Hexachlorobutadiene	15.00	225	13471	5.916	ug/l	100
95) Naphthalene	15.12	128	19946	3.054	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	10199	3.705	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

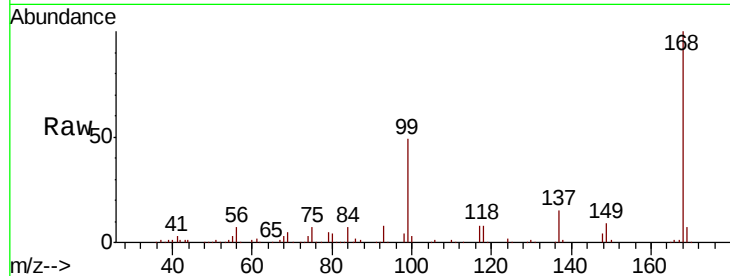
VSTDIC005

Tot Ion:168 Resp: 421093

Ion Ratio Lower Upper

168 100

99 48.6 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

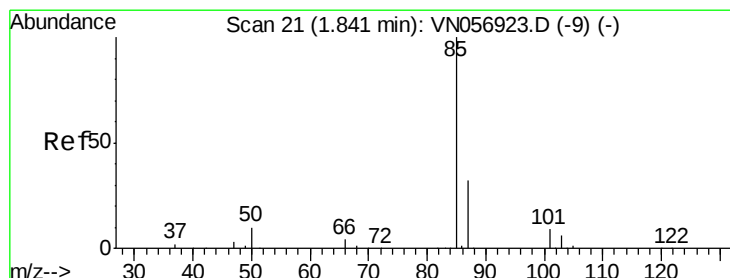
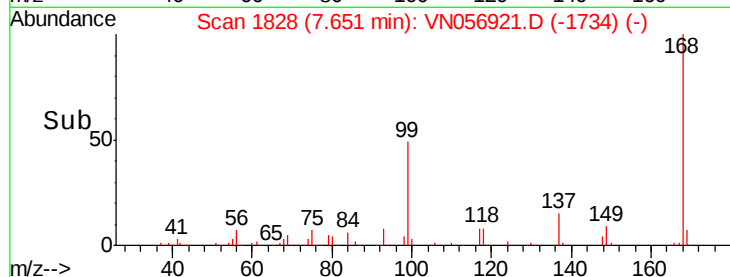
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.139 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056921.D

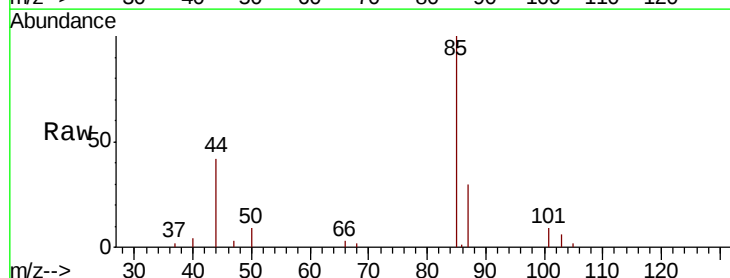
Acq: 25 Jul 2019 14:28

Tgt Ion: 85 Resp: 19235

Ion Ratio Lower Upper

85 100

87 29.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

15000

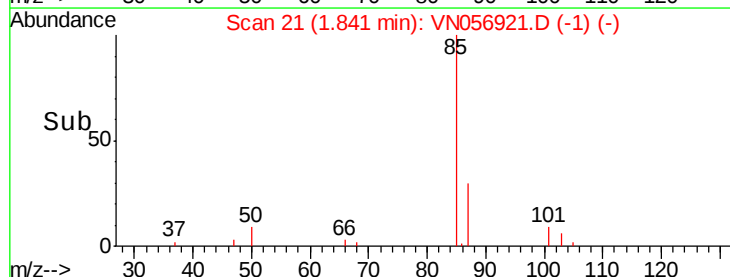
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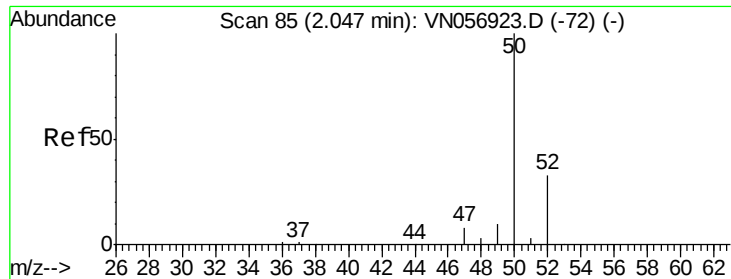
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0

1.80 1.85 1.90

Time-->

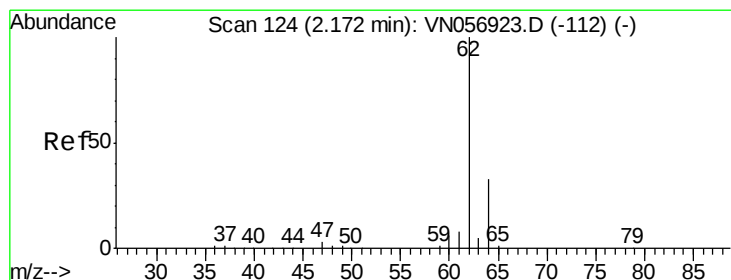
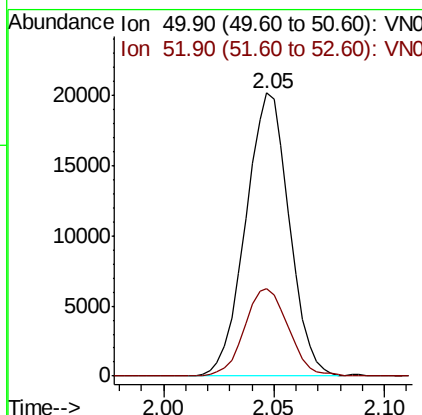
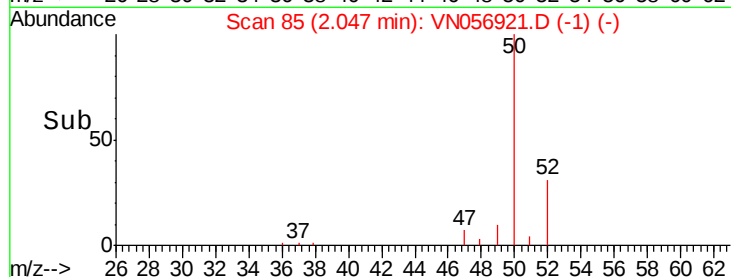
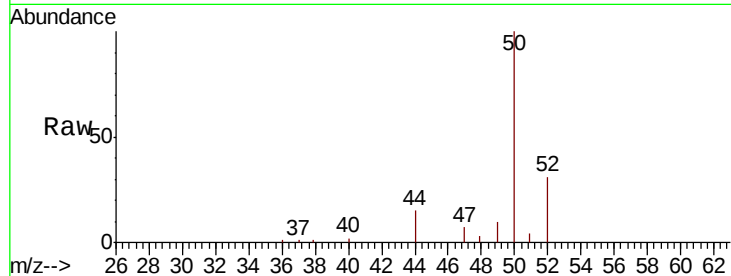




#3
 Chloromethane
 Concen: 4.745 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

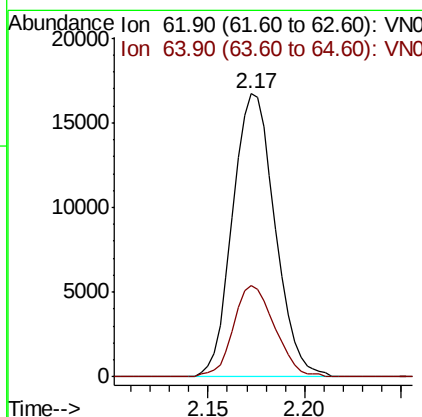
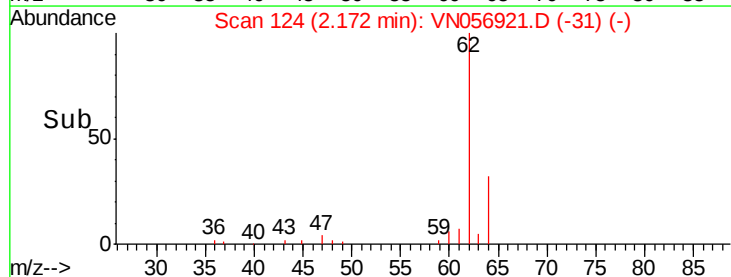
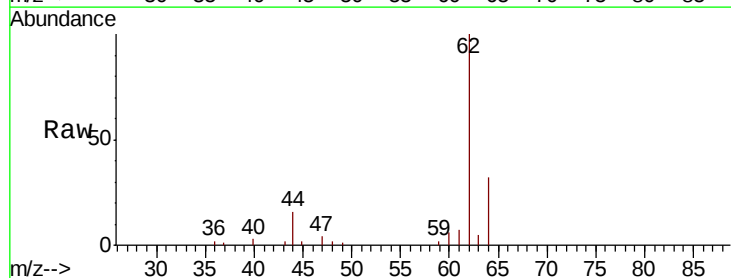
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

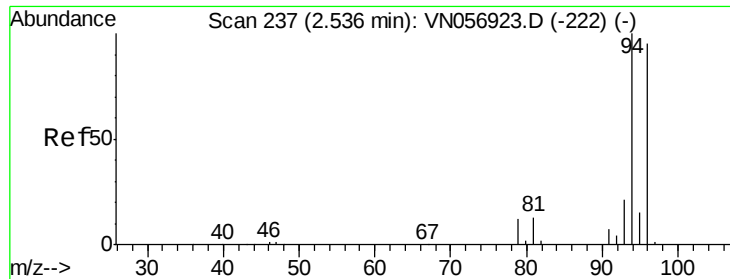
Tot Ion: 50 Resp: 27536
 Ion Ratio Lower Upper
 50 100
 52 30.9 26.8 40.2



#4
 Vinyl Chloride
 Concen: 4.786 ug/l
 RT: 2.17 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 62 Resp: 25502
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.4 39.6

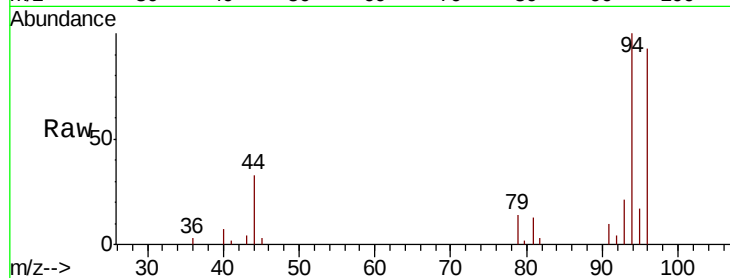




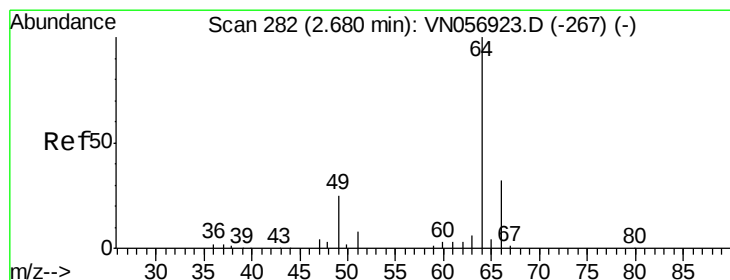
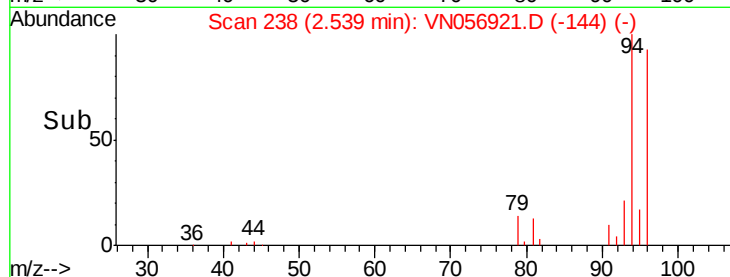
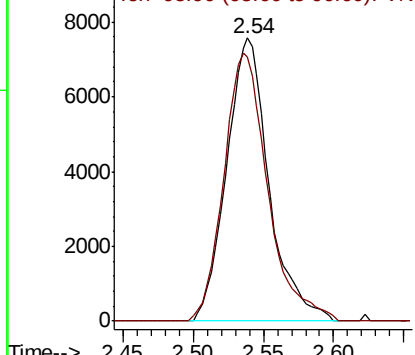
#5
Bromomethane
Concen: 4.876 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 94 Resp: 15885
Ion Ratio Lower Upper
94 100
96 93.1 75.7 113.5

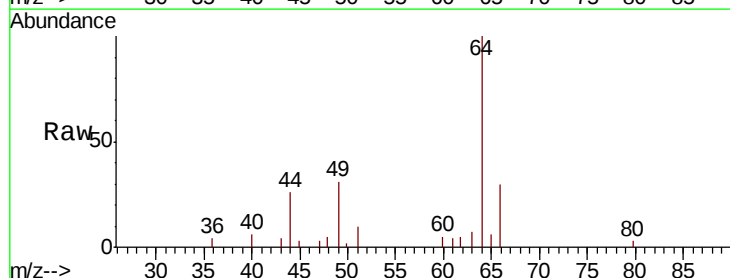


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

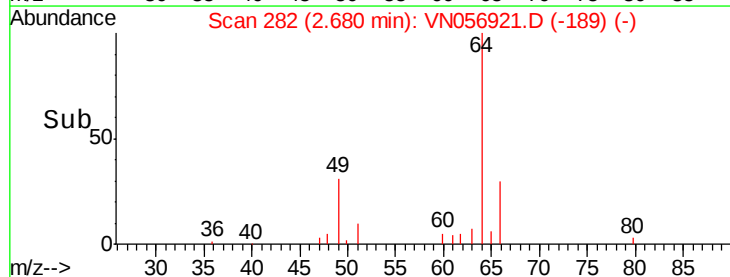
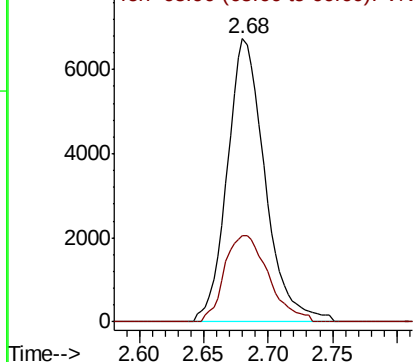


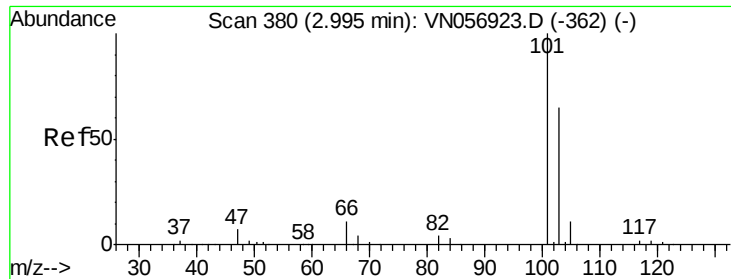
#6
Chloroethane
Concen: 4.653 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 64 Resp: 13702
Ion Ratio Lower Upper
64 100
66 30.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



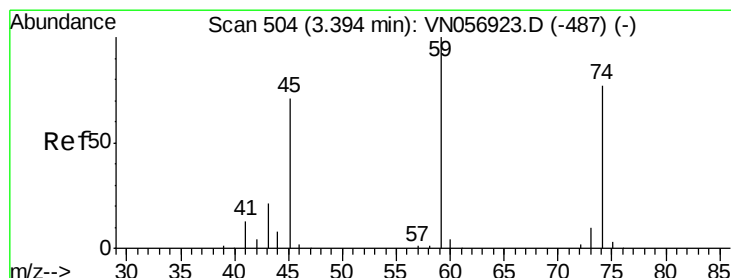
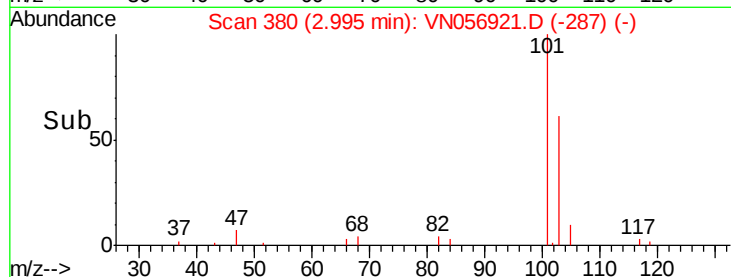
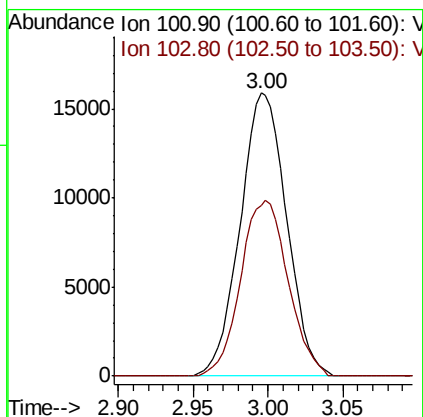
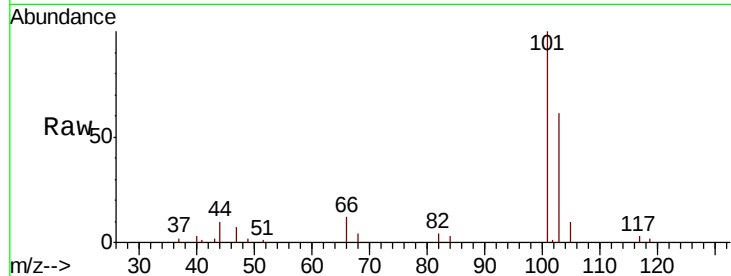


#7

Trichlorofluoromethane
 Concen: 5.164 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

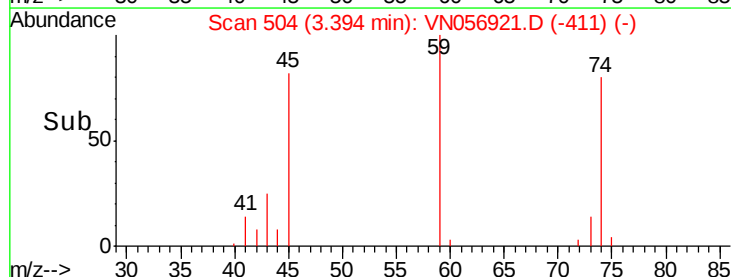
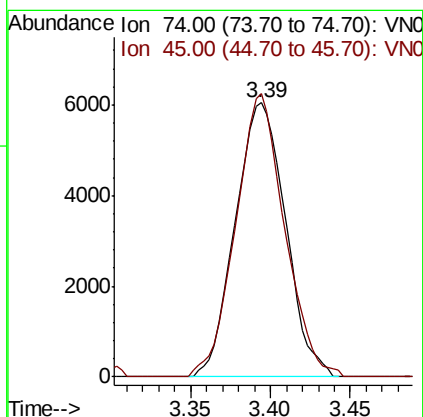
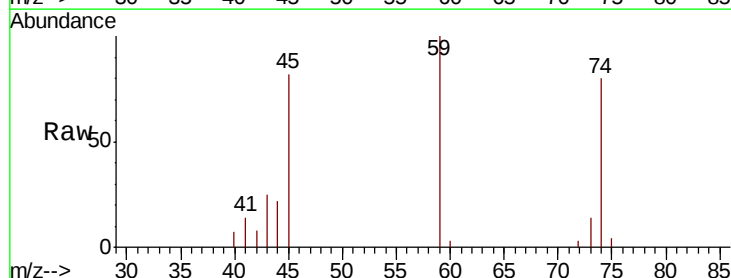
Tot Ion:101 Resp: 34322
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.0 78.0

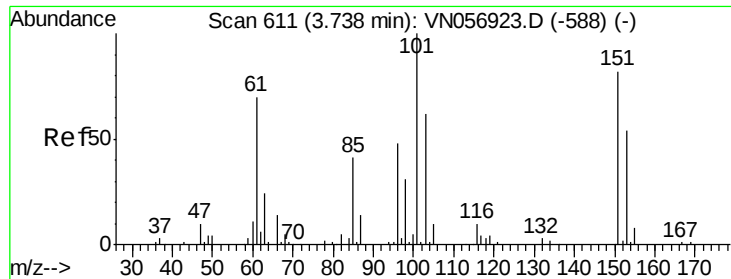


#8

Diethyl Ether
 Concen: 5.230 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 74 Resp: 13007
 Ion Ratio Lower Upper
 74 100
 45 100.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

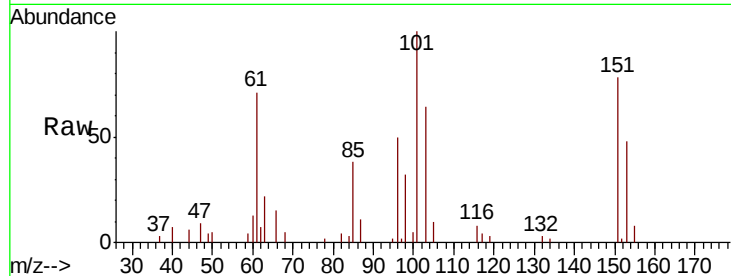
Tot Ion:101 Resp: 20828

Ion Ratio Lower Upper

101 100

85 38.5 32.7 49.1

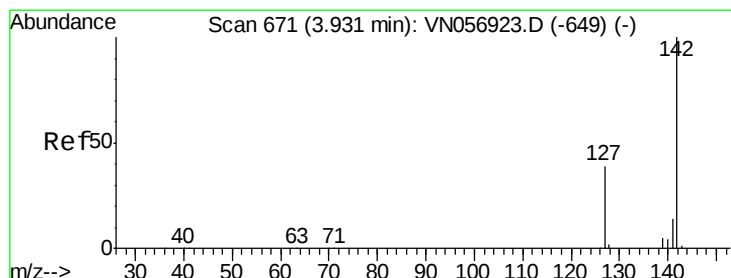
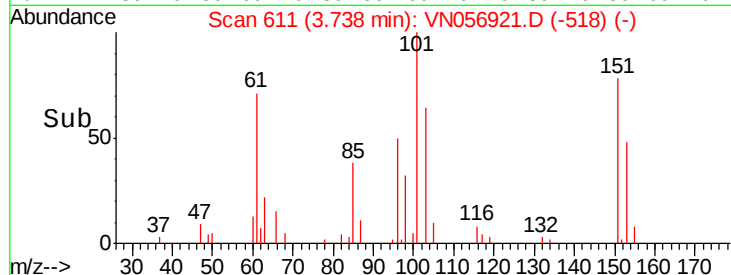
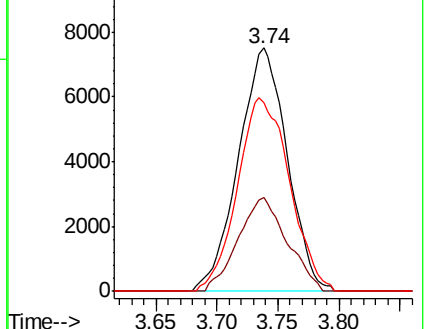
151 84.8 67.4 101.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.092 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

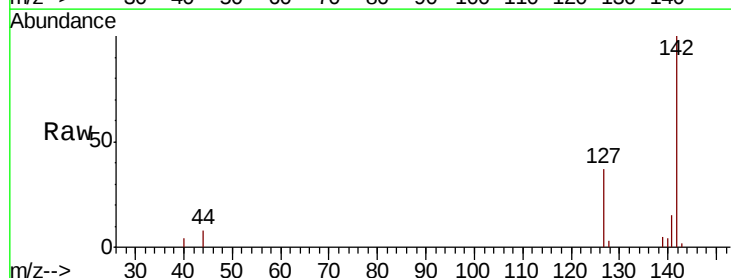
Tgt Ion:142 Resp: 27893

Ion Ratio Lower Upper

142 100

127 39.6 30.5 45.7

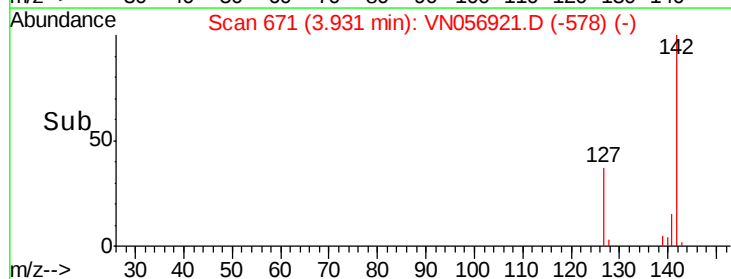
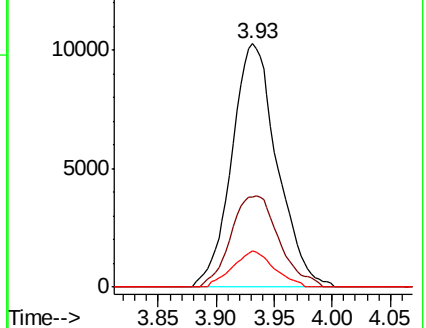
141 13.6 11.1 16.7

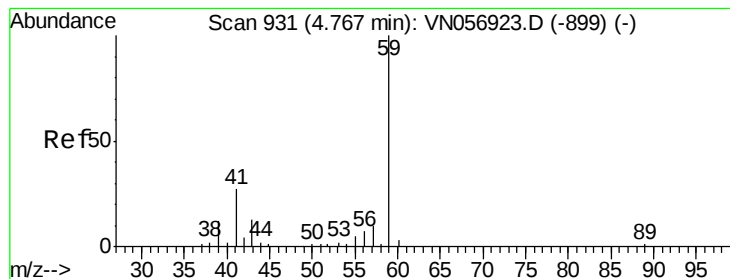


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



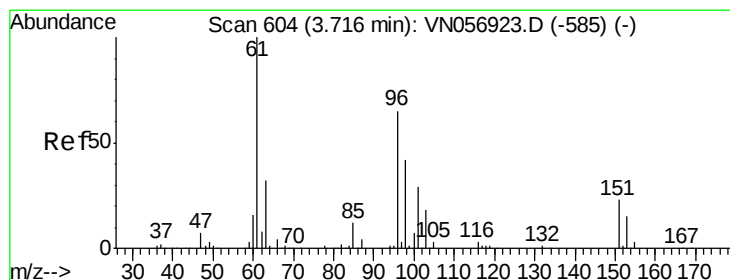
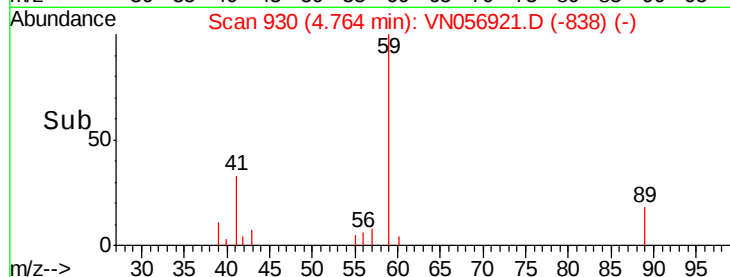
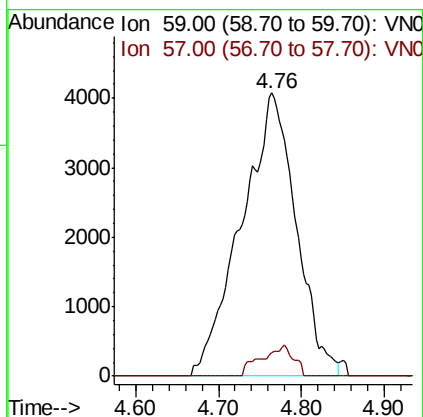
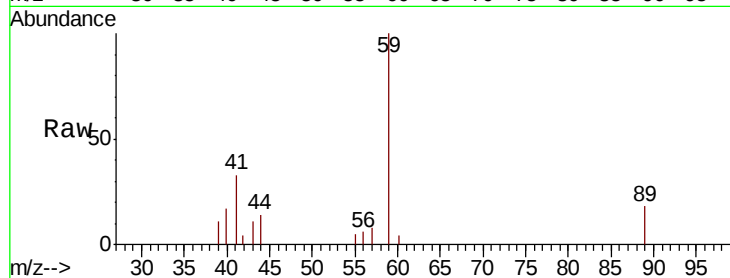


#11

Tert butyl alcohol
 Concen: 29.808 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

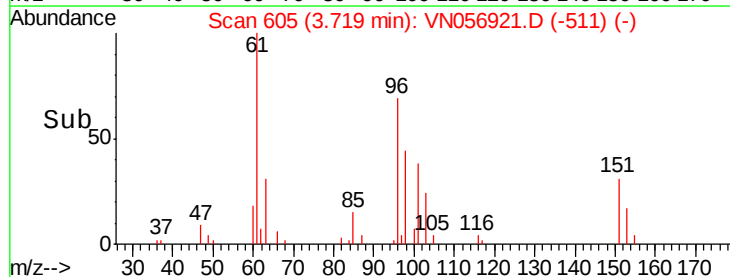
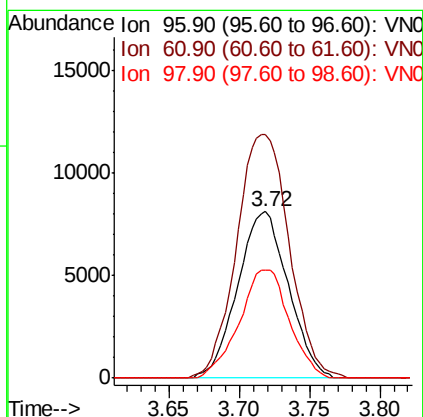
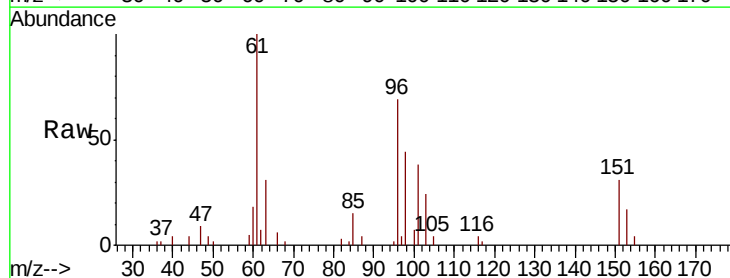
Tot Ion: 59 Resp: 18736
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.6 11.4#

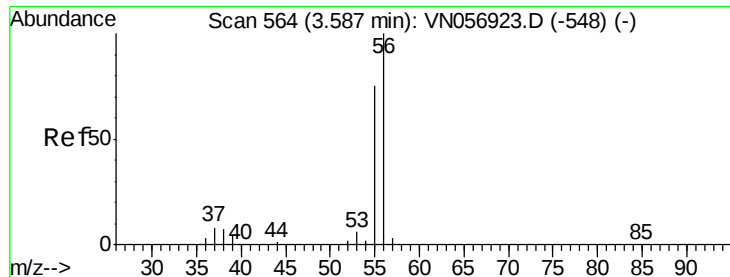


#12

1,1-Dichloroethene
 Concen: 4.967 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 96 Resp: 20285
 Ion Ratio Lower Upper
 96 100
 61 145.8 122.4 183.6
 98 64.6 51.3 76.9





#13

Acrolein

Concen: 22.923 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

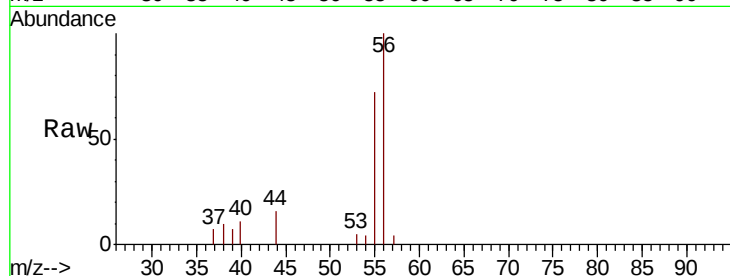
VSTDIC005

Tot Ion: 56 Resp: 11091

Ion Ratio Lower Upper

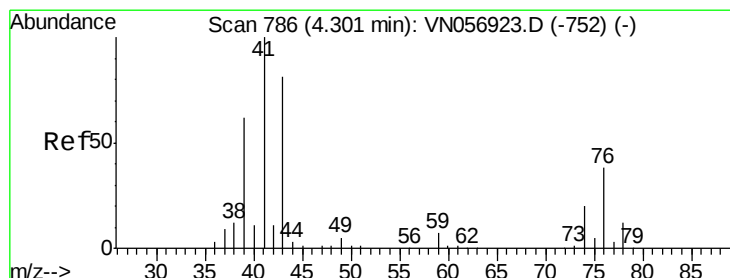
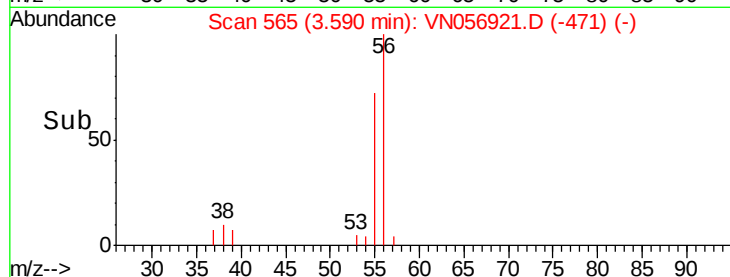
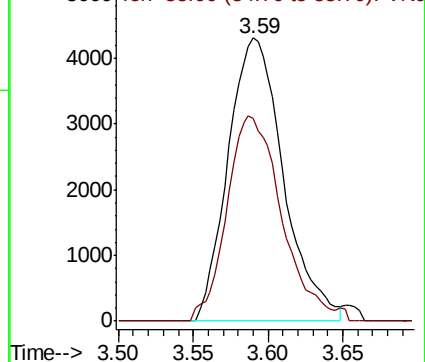
56 100

55 72.1 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VN056921.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN056921.D (-548) (-)



#14

Allyl chloride

Concen: 4.653 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

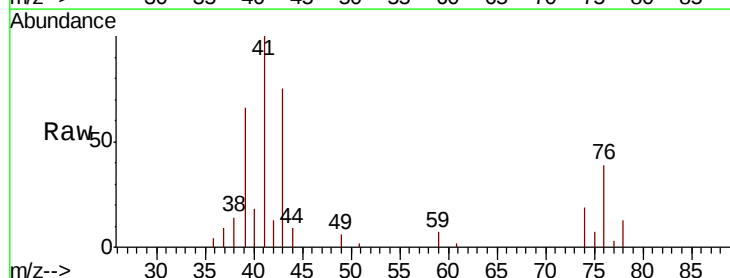
Tgt Ion: 41 Resp: 31184

Ion Ratio Lower Upper

41 100

39 61.7 47.5 71.3

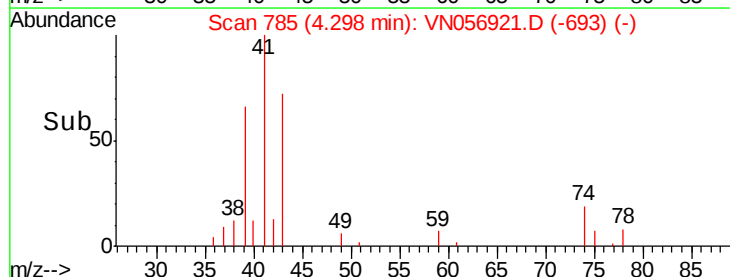
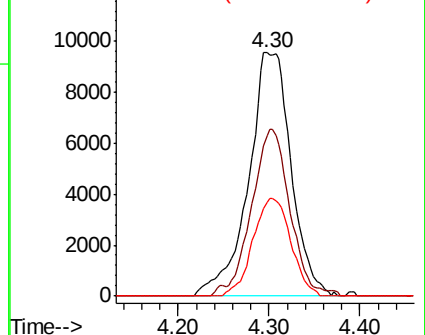
76 35.6 28.0 42.0

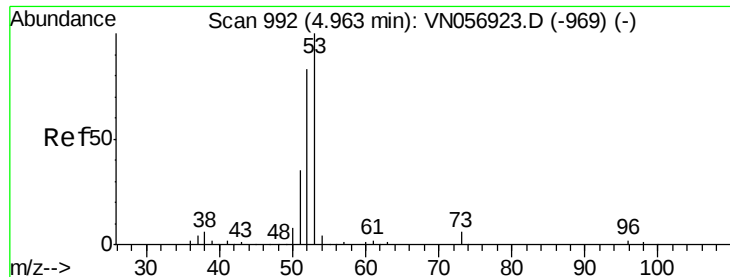


Abundance Ion 41.00 (40.70 to 41.70): VN056921.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN056921.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN056921.D (-693) (-)





#15

Acrylonitrile

Concen: 23.891 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

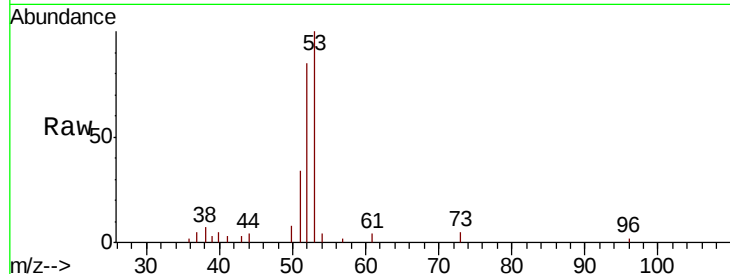
Tot Ion: 53 Resp: 45499

Ion Ratio Lower Upper

53 100

52 83.5 65.5 98.3

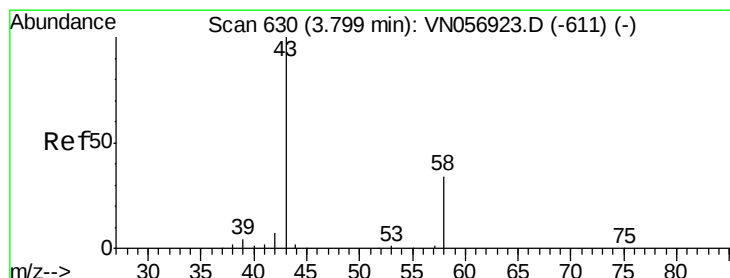
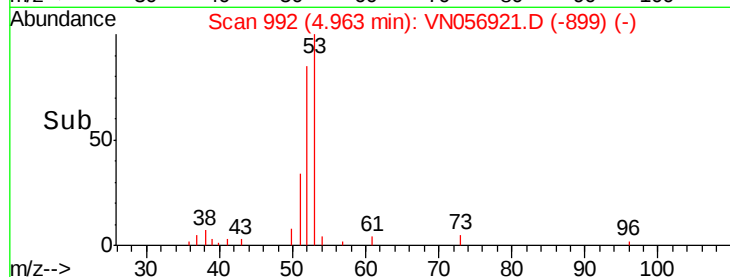
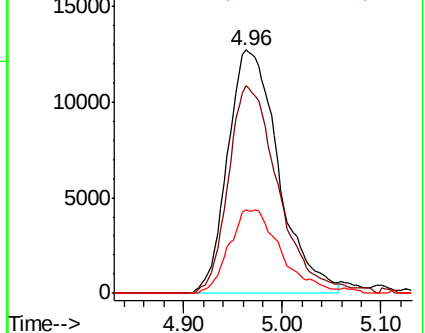
51 34.7 28.1 42.1



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: 23.005 ug/l

RT: 3.80 min Scan# 630

Delta R.T. -0.00 min

Lab File: VN056921.D

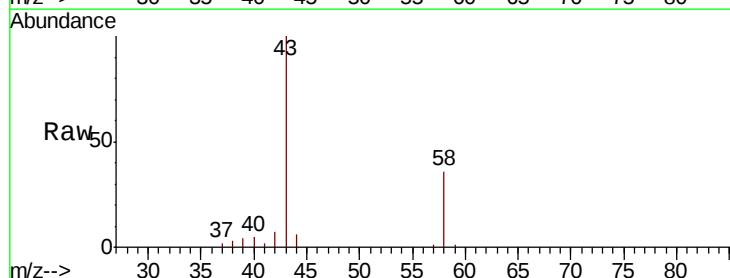
Acq: 25 Jul 2019 14:28

Tgt Ion: 43 Resp: 37564

Ion Ratio Lower Upper

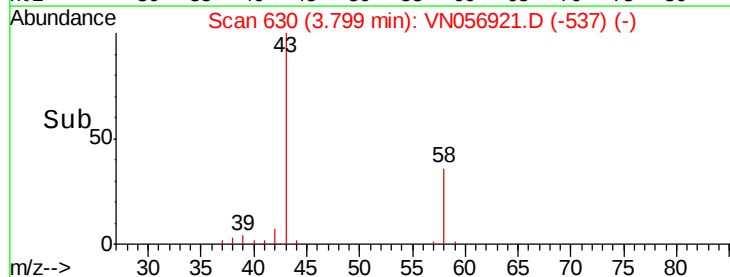
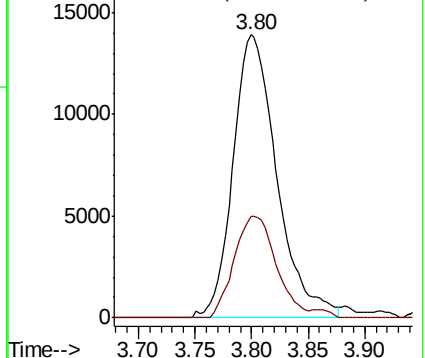
43 100

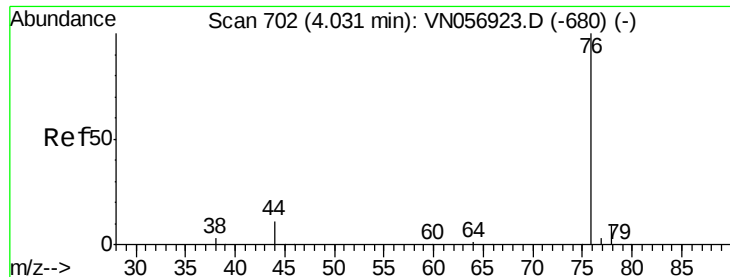
58 35.7 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

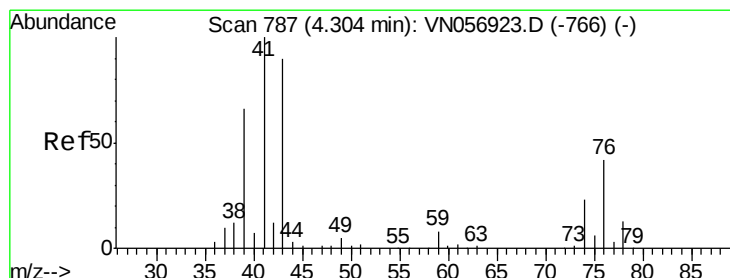
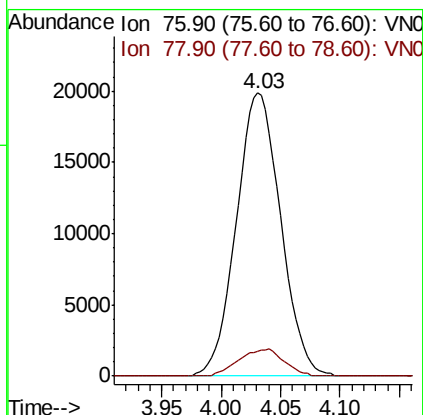
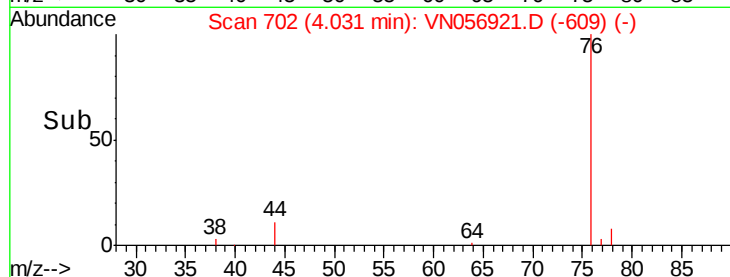
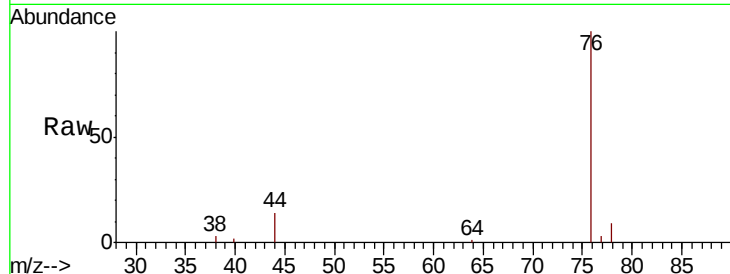




#17
Carbon Disulfide
Concen: 4.623 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

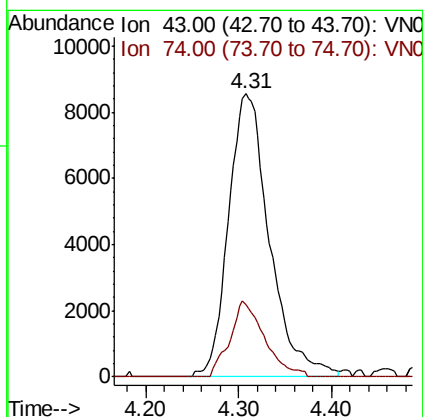
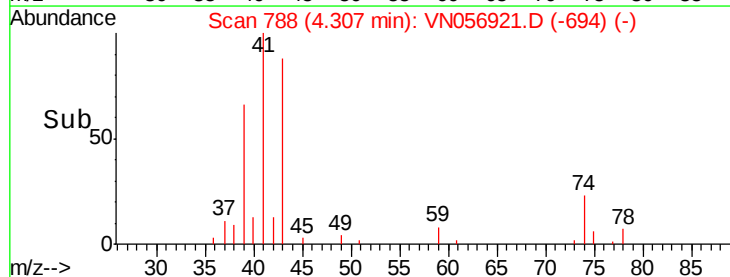
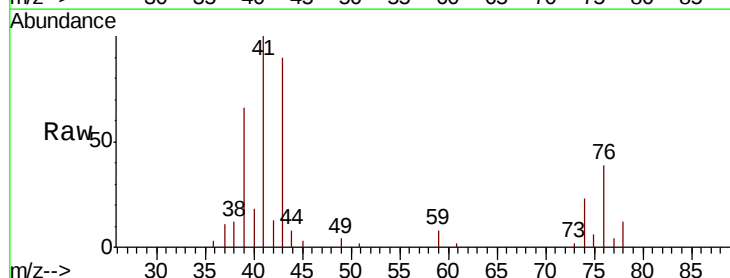
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

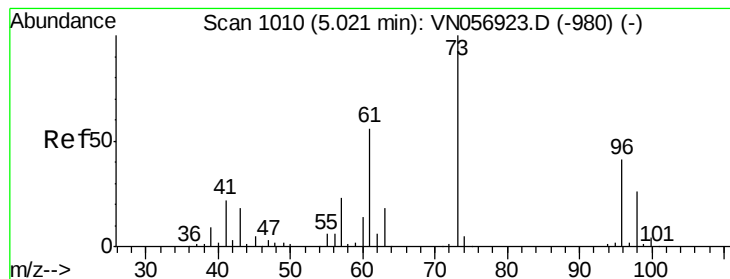
Tot Ion: 76 Resp: 51270
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 4.163 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 43 Resp: 26229
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.0





#19

Methyl tert-butyl Ether

Concen: 4.777 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

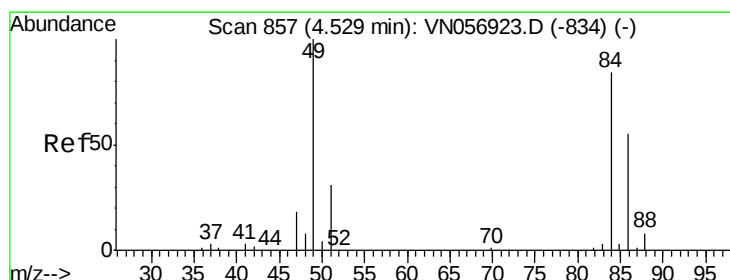
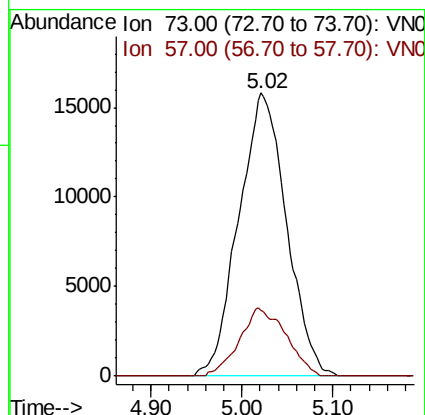
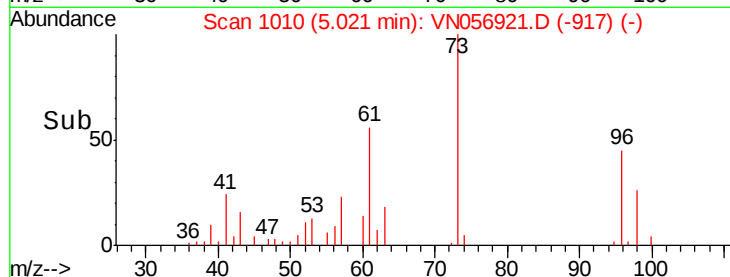
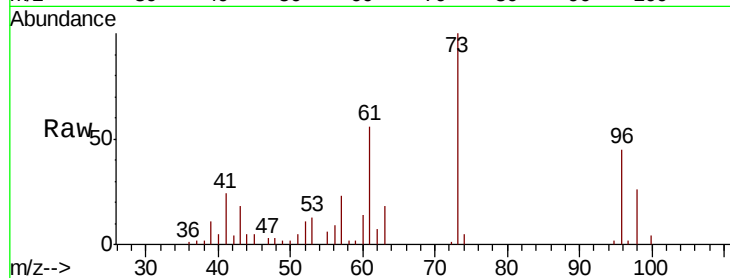
VSTDIC005

Tot Ion: 73 Resp: 57527

Ion Ratio Lower Upper

73 100

57 23.1 18.2 27.4



#20

Methylene Chloride

Concen: 5.100 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion: 84 Resp: 24552

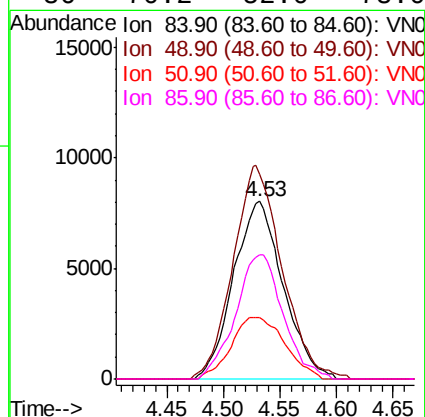
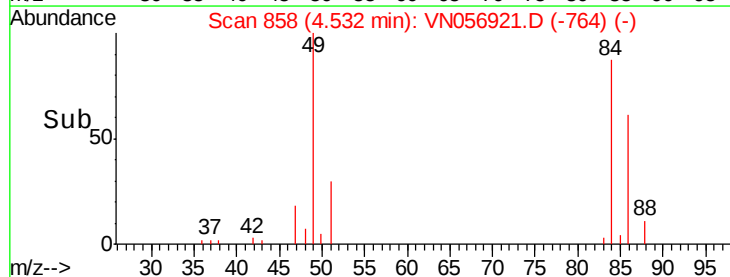
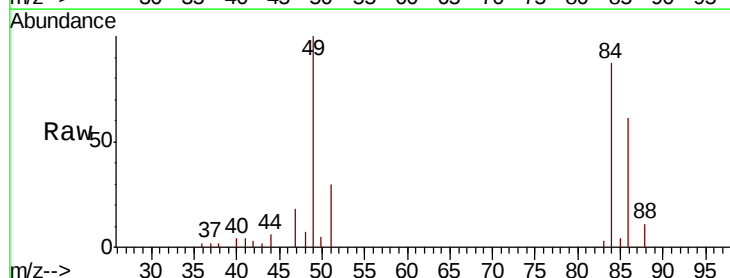
Ion Ratio Lower Upper

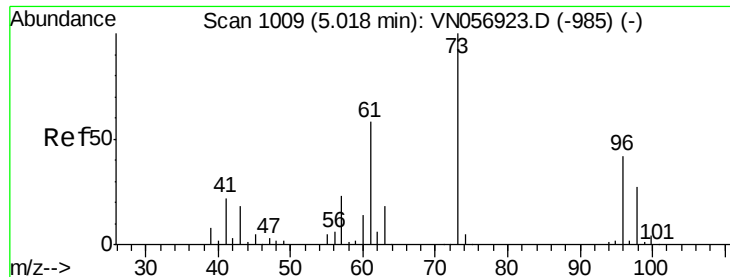
84 100

49 115.3 95.0 142.6

51 34.9 29.8 44.8

86 70.2 52.0 78.0

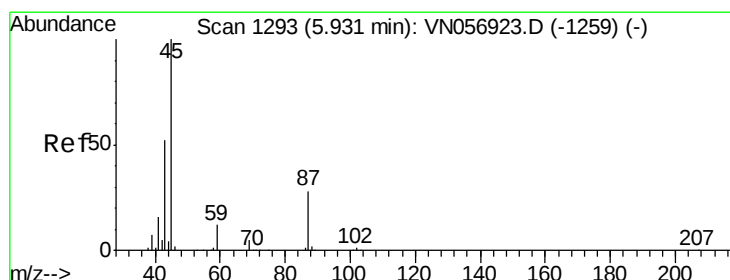
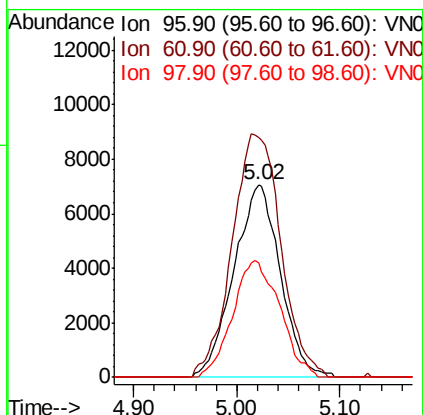
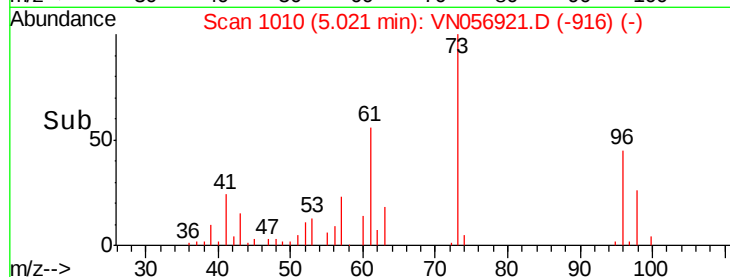
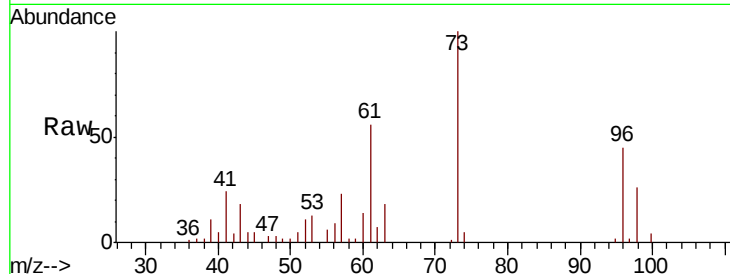




#21
trans-1,2-Dichloroethene
Concen: 5.182 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

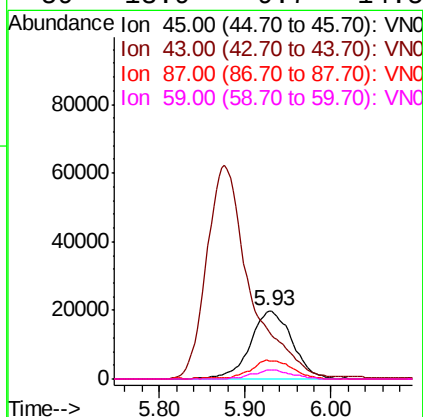
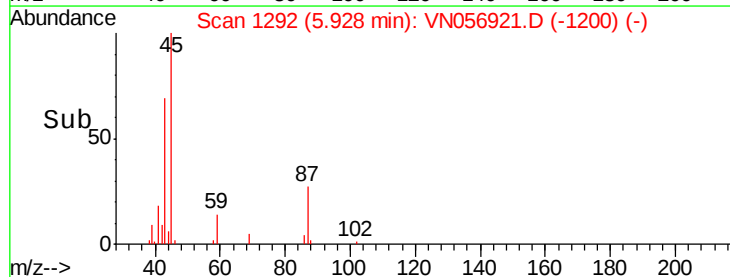
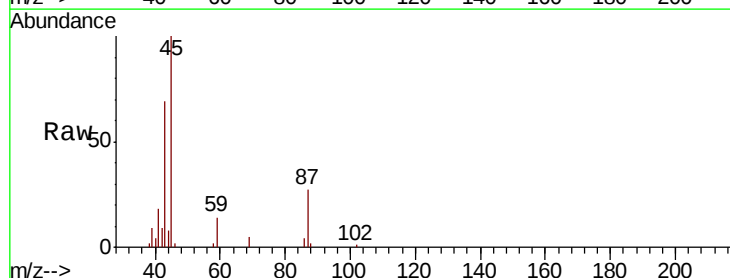
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

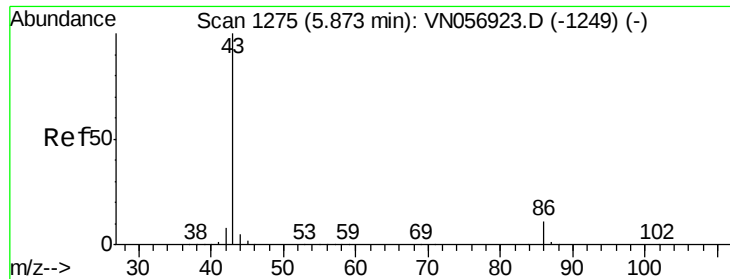
Tot Ion: 96 Resp: 22114
Ion Ratio Lower Upper
96 100
61 124.3 109.9 164.9
98 59.0 51.0 76.4



#22
Diisopropyl ether
Concen: 4.946 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 45 Resp: 66979
Ion Ratio Lower Upper
45 100
43 66.3 44.7 67.1
87 26.6 23.1 34.7
59 13.9 9.7 14.5

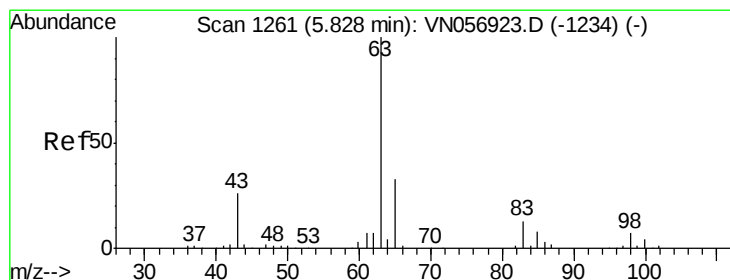
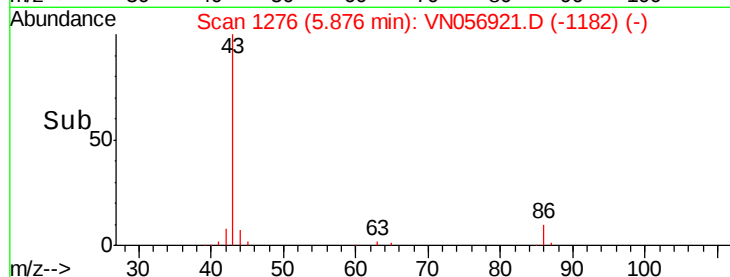
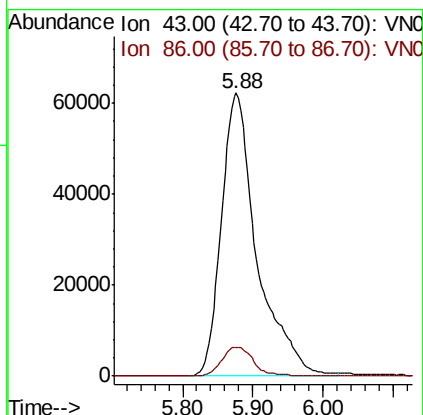
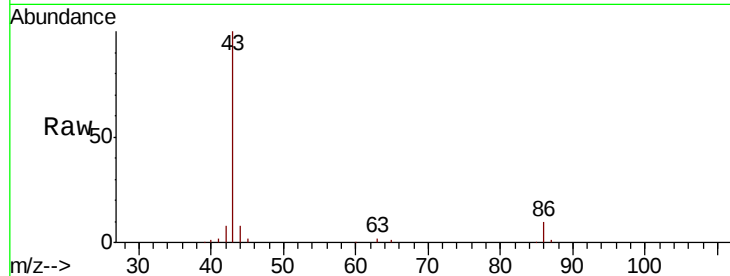




#23
 Vinyl Acetate
 Concen: 22.589 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

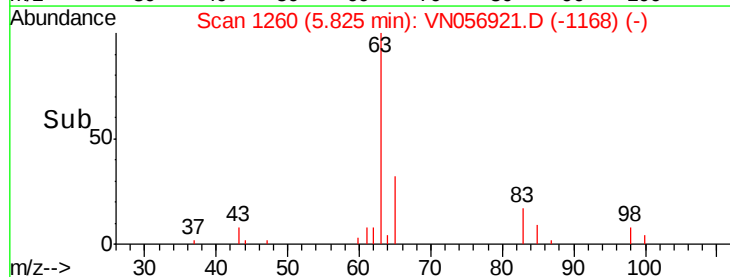
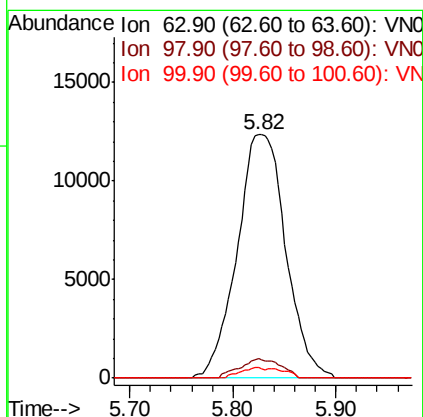
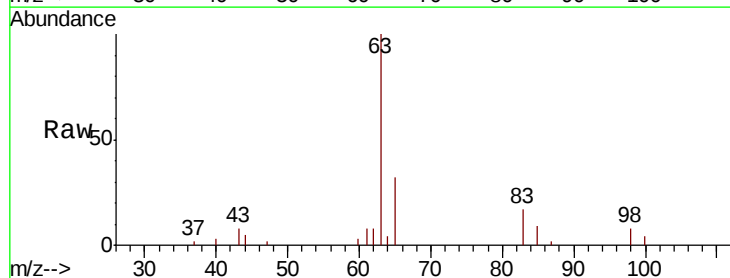
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

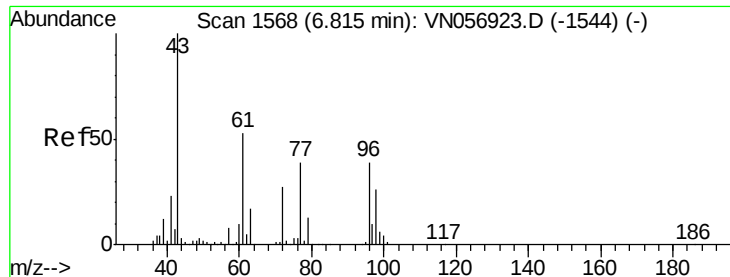
Tot Ion: 43 Resp: 219643
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 5.144 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 63 Resp: 40427
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.4 10.1
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 24.575 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

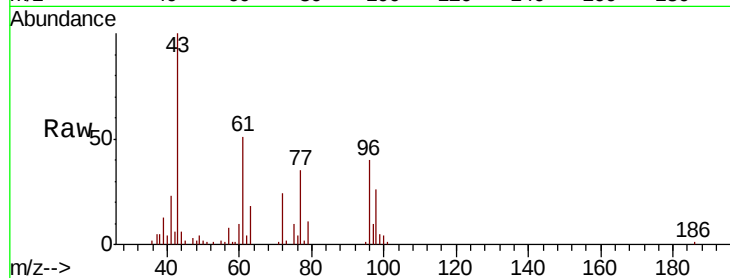
VSTDIC005

Tot Ion: 43 Resp: 58347

Ion Ratio Lower Upper

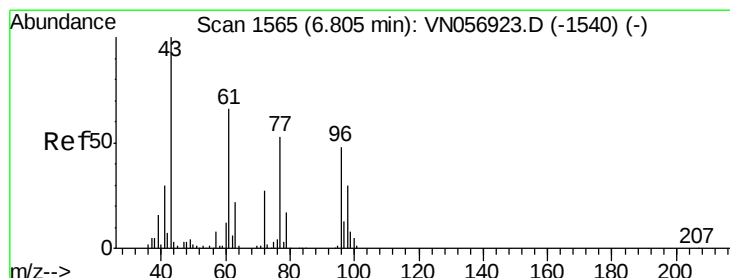
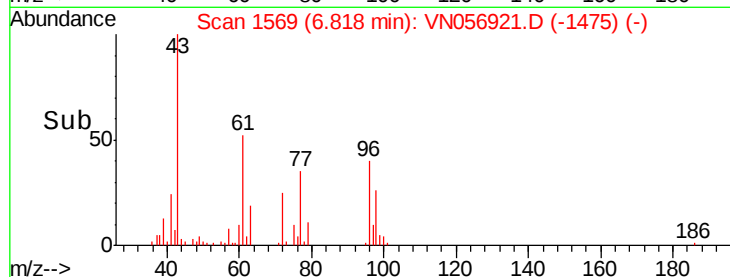
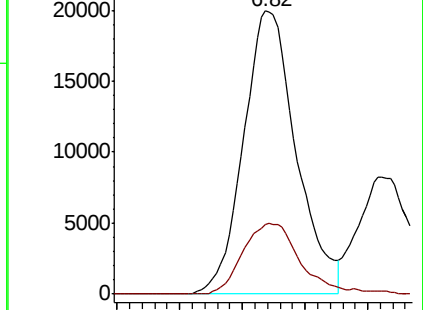
43 100

72 24.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN056923.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN056923.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 5.061 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056921.D

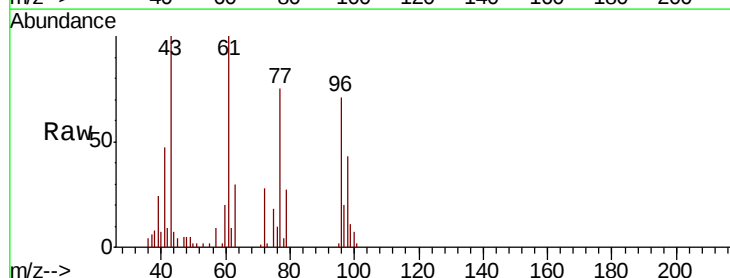
Acq: 25 Jul 2019 14:28

Tgt Ion: 77 Resp: 28247

Ion Ratio Lower Upper

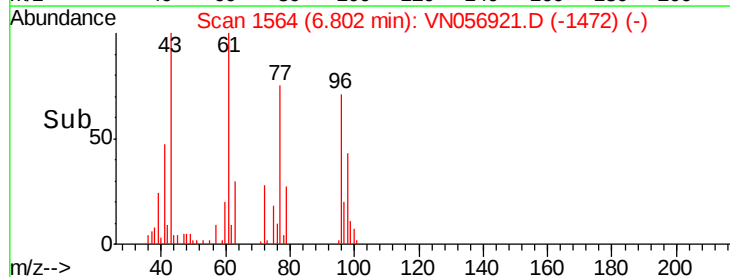
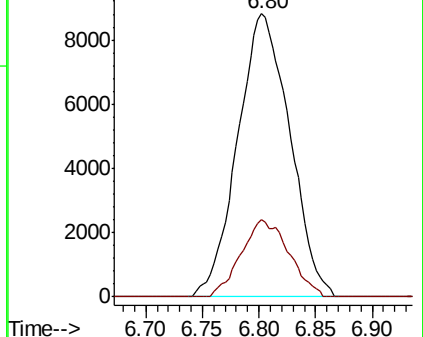
77 100

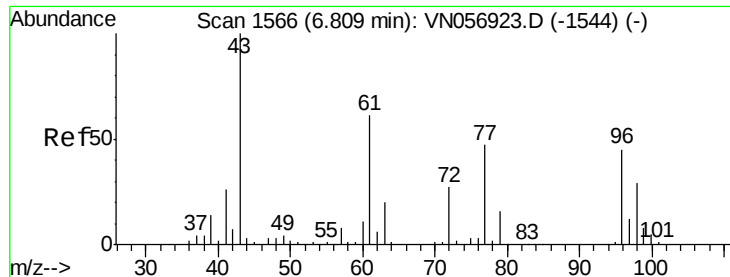
97 24.9 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN056923.D (-1540) (-)

Ion 96.90 (96.60 to 97.60): VN056923.D (-1540) (-)





#27

cis-1,2-Dichloroethene

Concen: 5.272 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

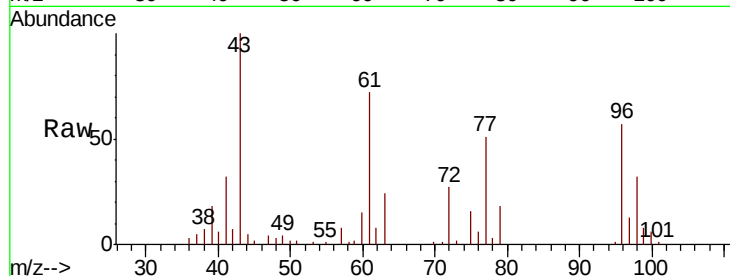
Tot Ion: 96 Resp: 25866

Ion Ratio Lower Upper

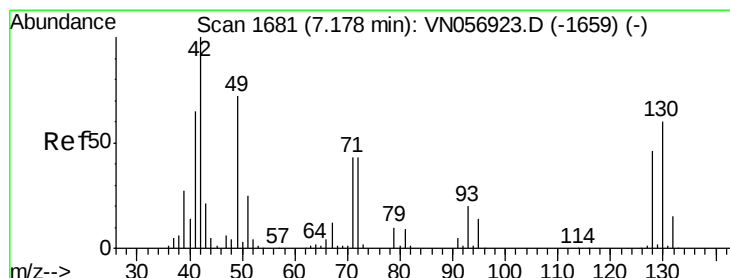
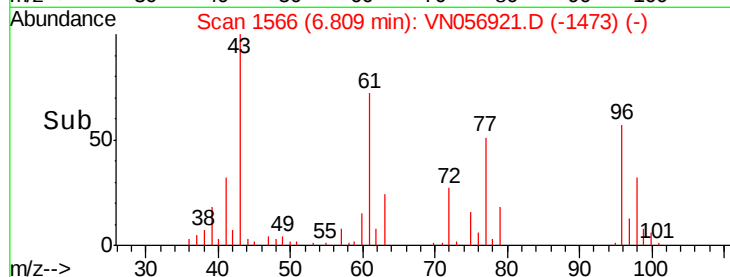
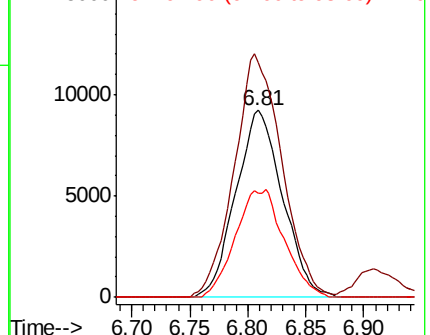
96 100

61 132.8 0.0 278.8

98 60.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.121 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

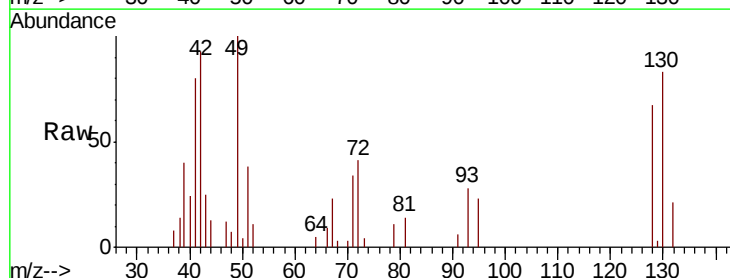
Tgt Ion: 49 Resp: 18311

Ion Ratio Lower Upper

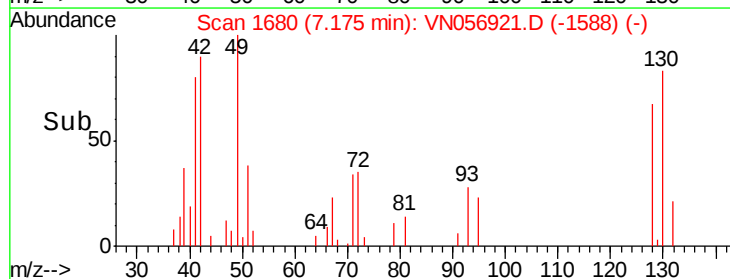
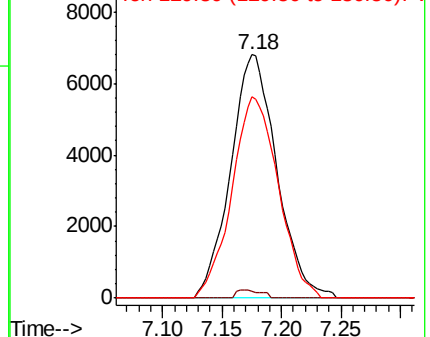
49 100

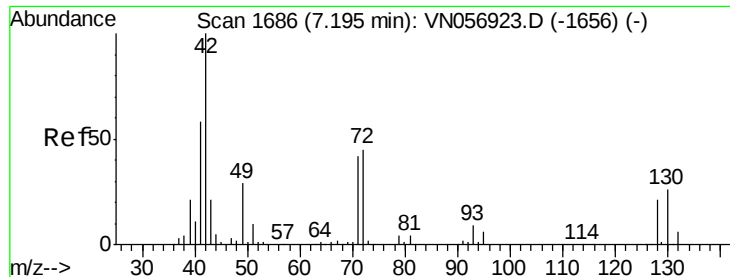
129 1.8 0.0 4.4

130 82.9 67.3 100.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

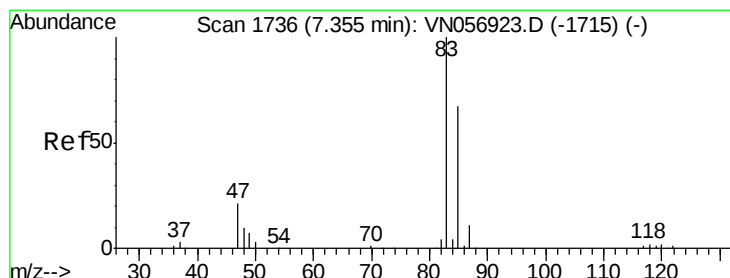
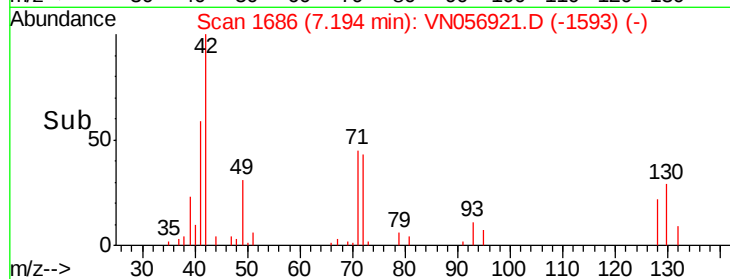
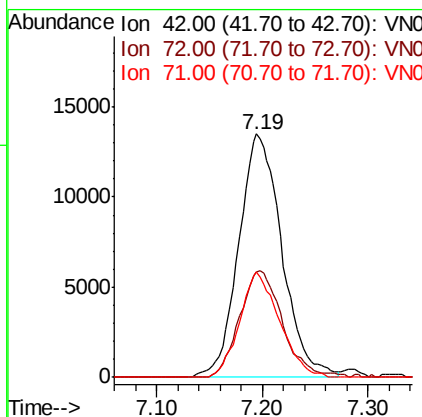
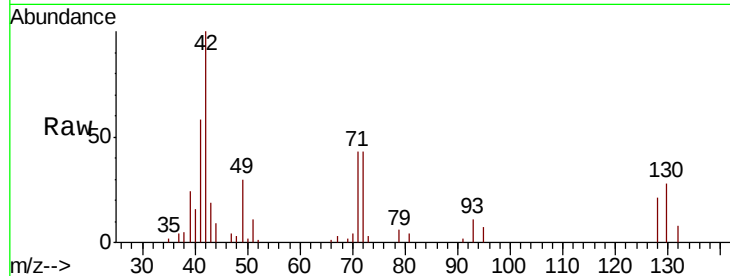




#29
Tetrahydrofuran
Concen: 23.755 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

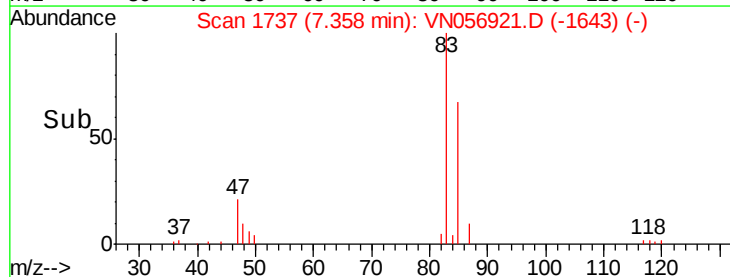
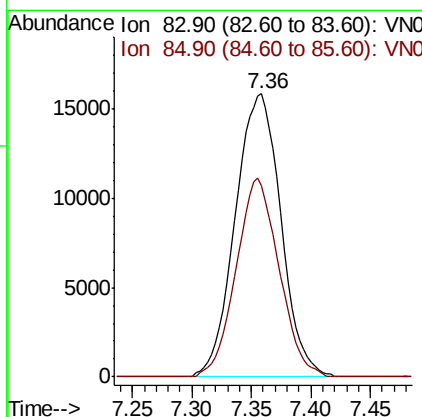
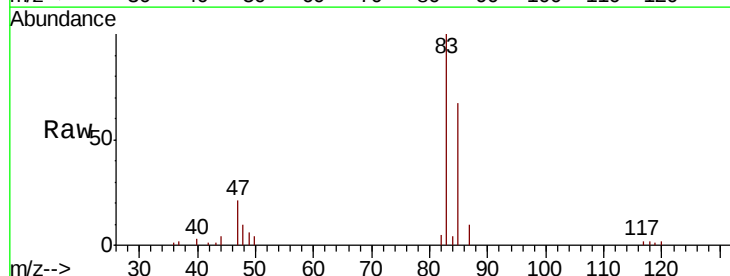
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

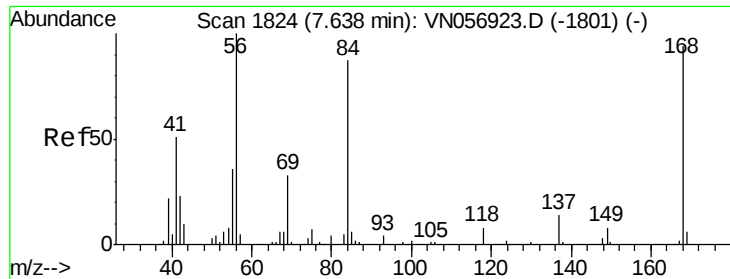
Tot Ion: 42 Resp: 38377
Ion Ratio Lower Upper
42 100
72 43.0 35.5 53.3
71 39.8 33.0 49.6



#30
Chloroform
Concen: 5.328 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 83 Resp: 42072
Ion Ratio Lower Upper
83 100
85 67.4 53.5 80.3

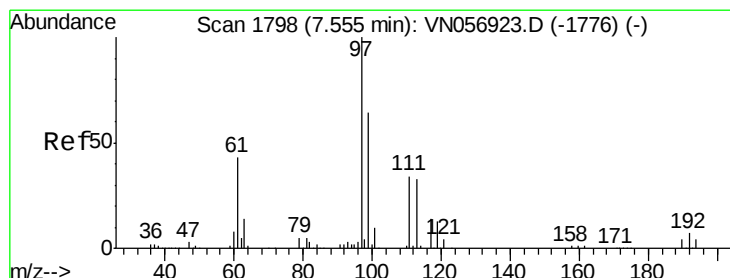
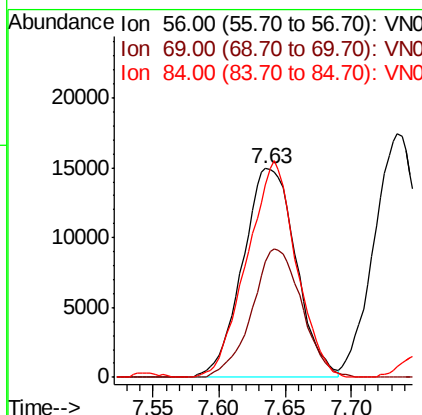
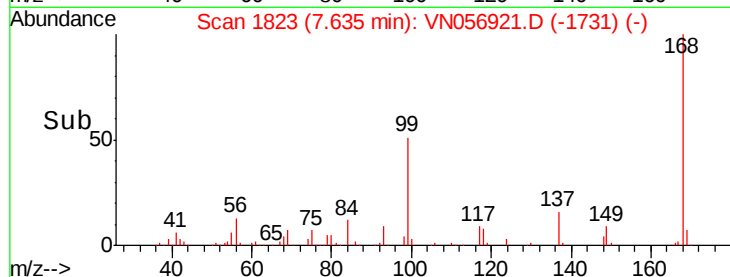
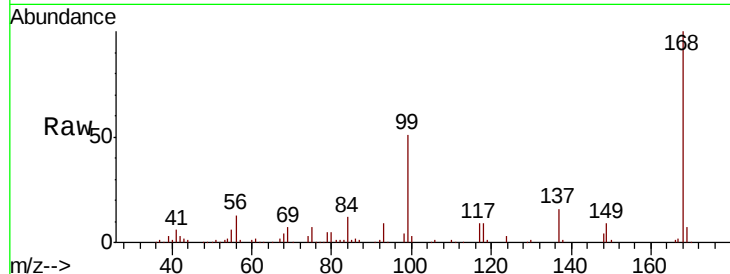




#31
Cyclohexane
Concen: 5.522 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

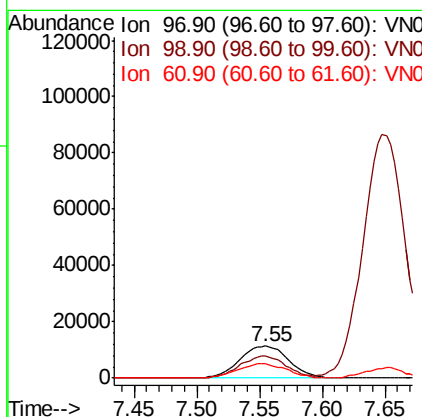
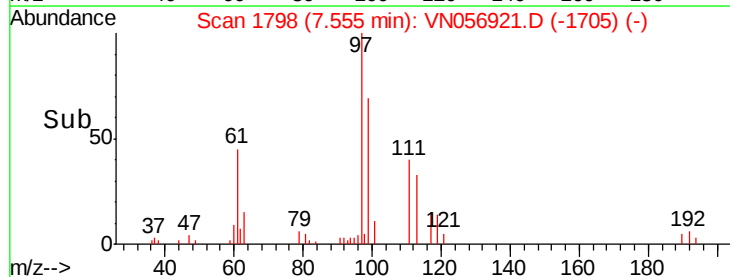
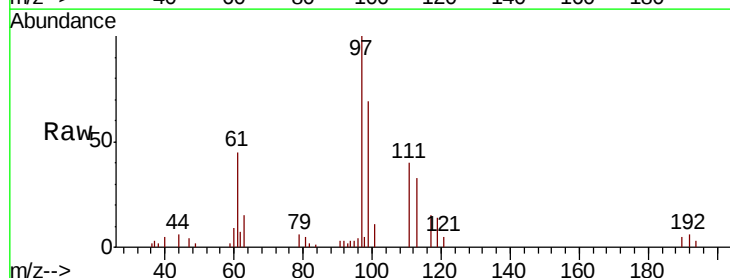
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

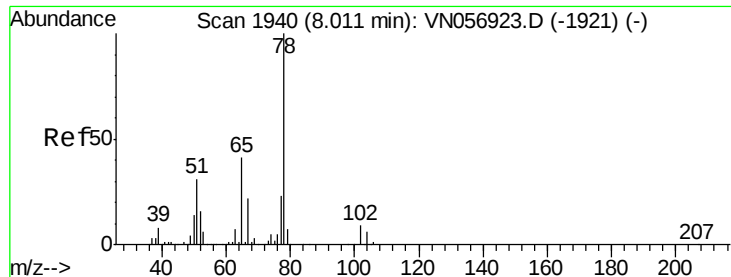
Tot Ion: 56 Resp: 41970
Ion Ratio Lower Upper
56 100
69 55.7 26.3 39.5#
84 91.9 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 4.873 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 97 Resp: 31125
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 45.3 33.8 50.6

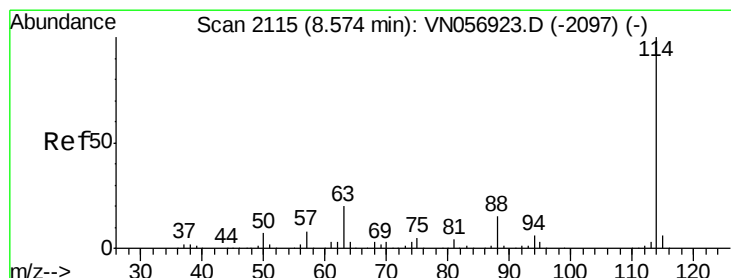
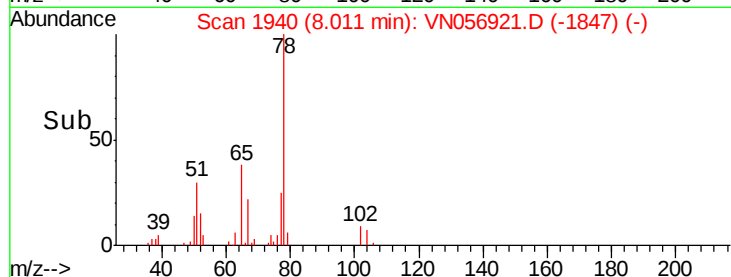
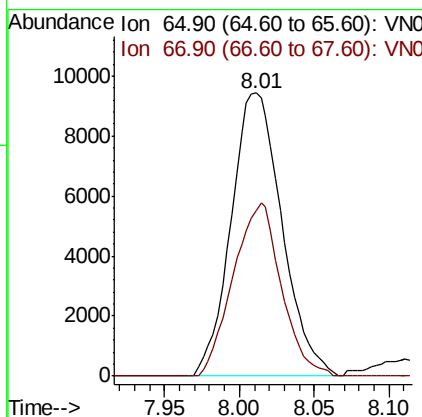
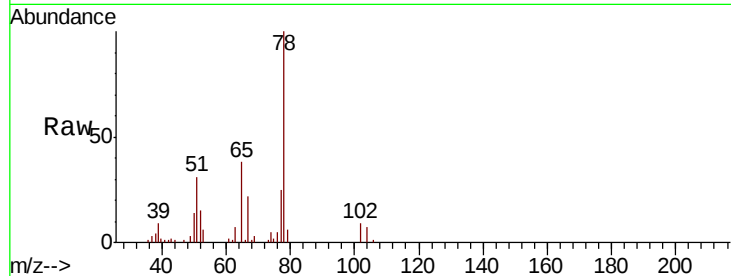




#33
 1,2-Dichloroethane-d4
 Concen: 4.926 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

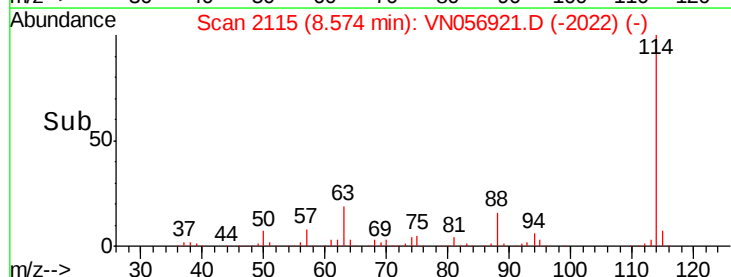
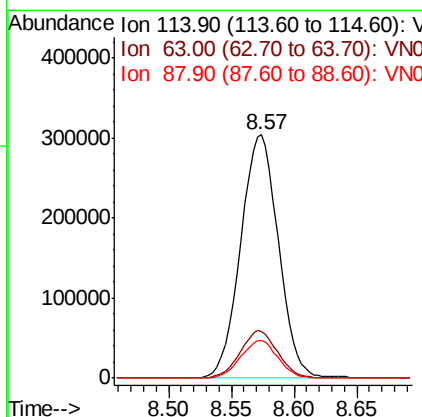
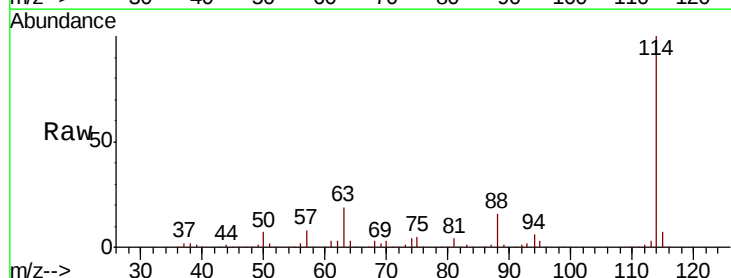
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

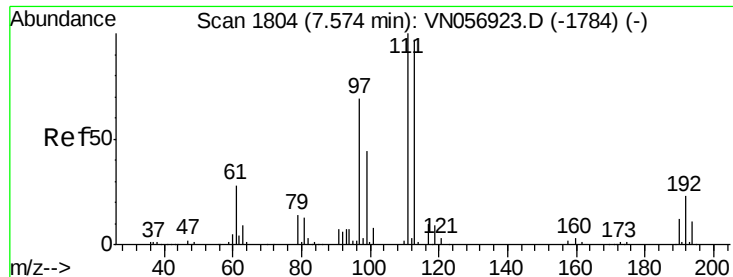
Tot Ion: 65 Resp: 22357
 Ion Ratio Lower Upper
 65 100
 67 57.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 114 Resp: 636775
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.6 0.0 30.4

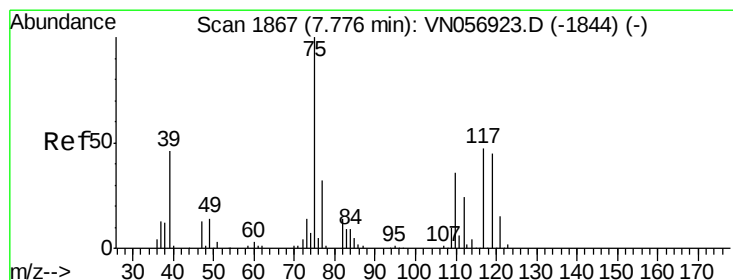
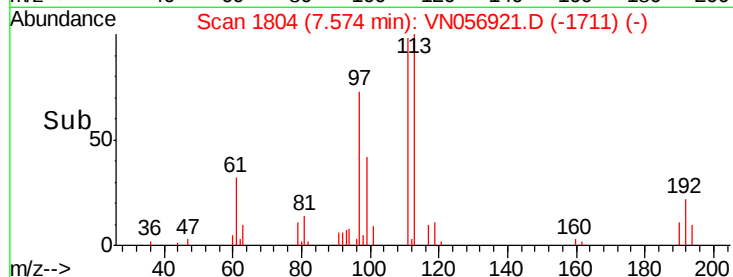
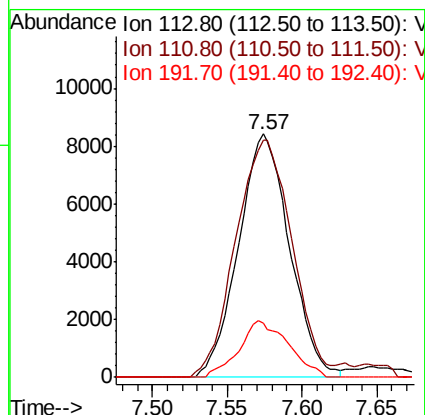
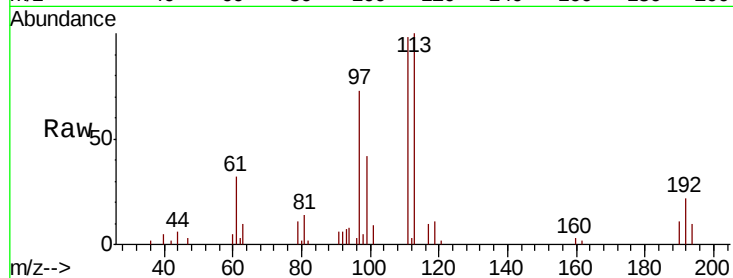




#35
 Dibromofluoromethane
 Concen: 4.858 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

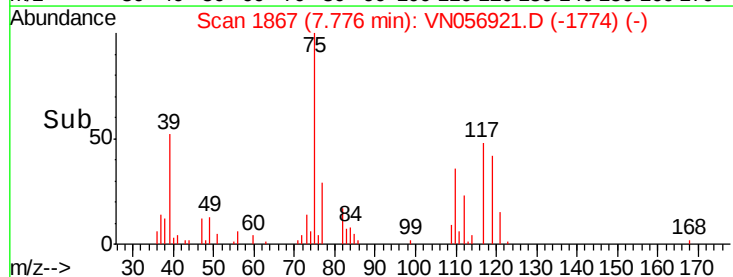
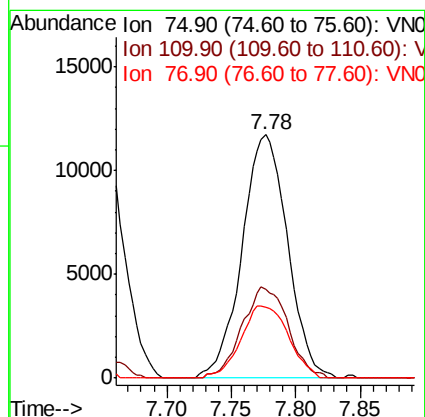
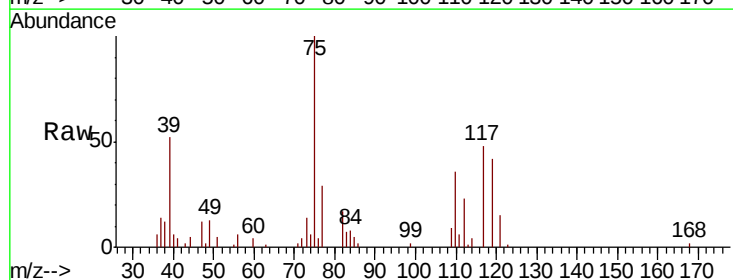
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

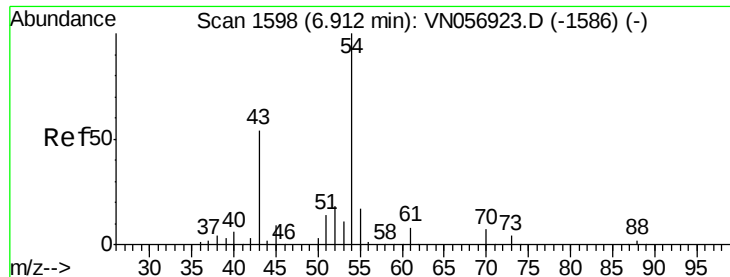
Tot Ion:113 Resp: 19994
 Ion Ratio Lower Upper
 113 100
 111 107.1 82.2 123.2
 192 22.3 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 75 Resp: 28789
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.9 56.9
 77 31.0 25.4 38.0

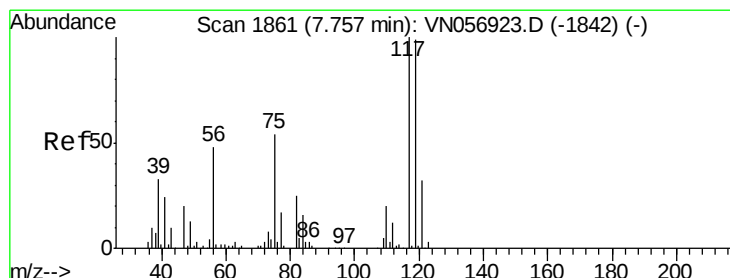
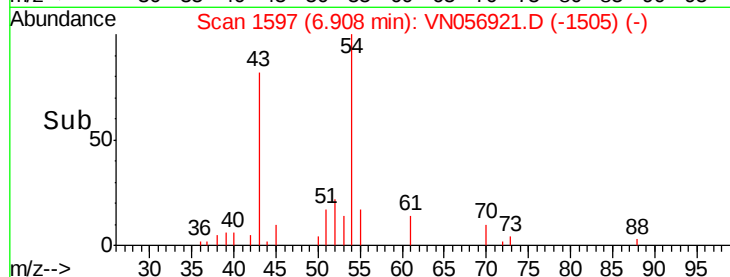
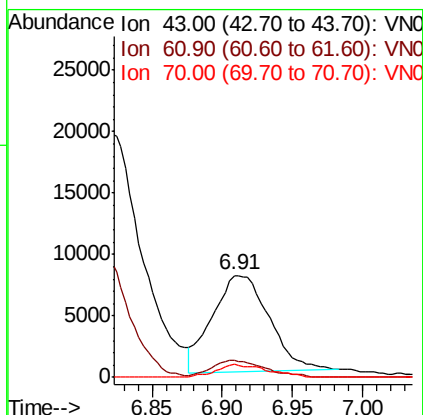
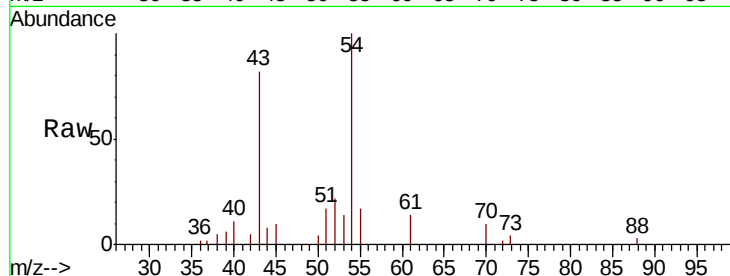




#37
Ethyl Acetate
Concen: 4.732 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

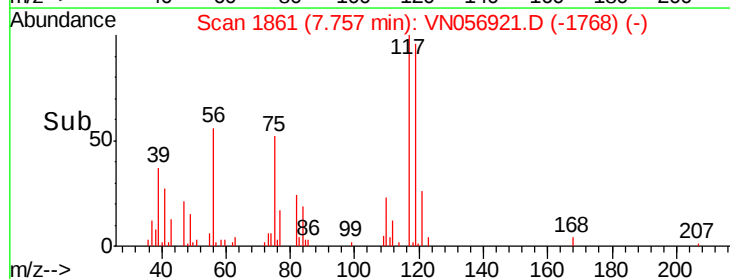
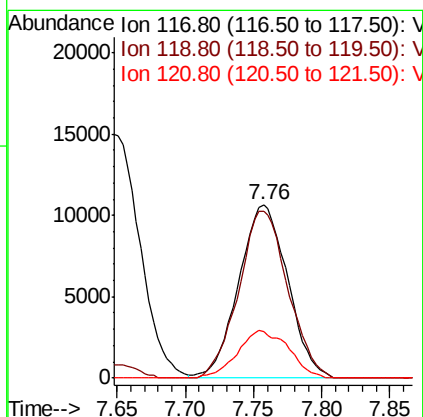
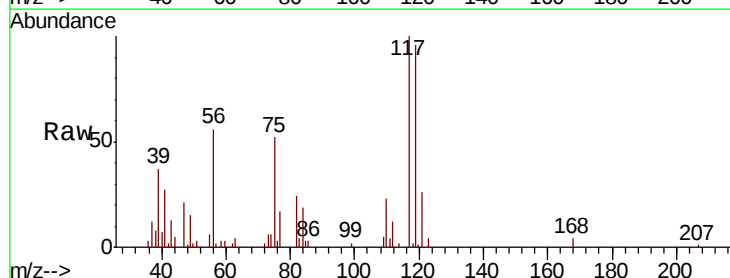
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

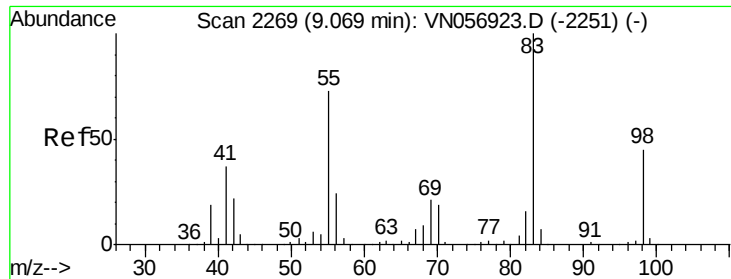
Tot Ion: 43 Resp: 22253
Ion Ratio Lower Upper
43 100
61 16.7 11.9 17.9
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 4.728 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 117 Resp: 26525
Ion Ratio Lower Upper
117 100
119 96.2 79.0 118.6
121 26.4 25.1 37.7

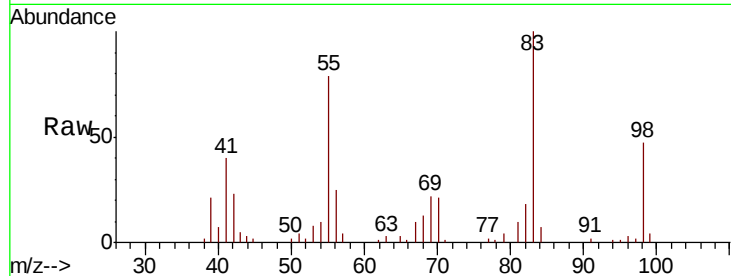




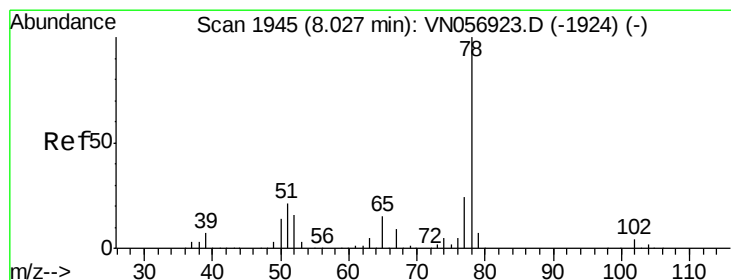
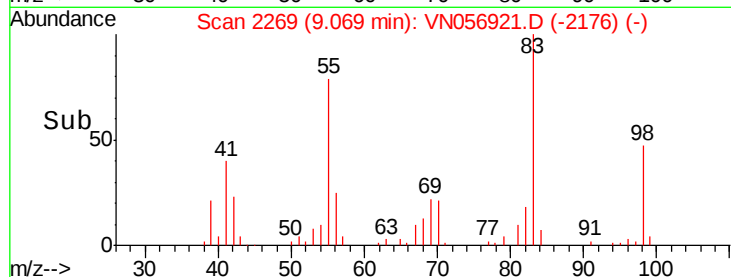
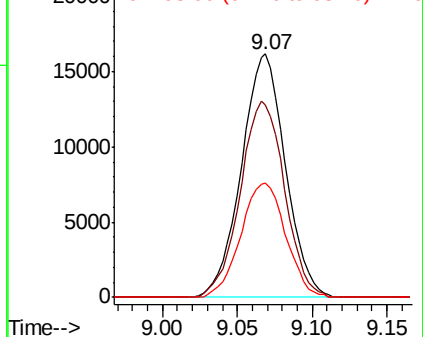
#39
Methvlcvclohexane
Concen: 4.485 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 33106
Ion Ratio Lower Upper
83 100
55 79.1 58.8 88.2
98 46.9 35.8 53.6

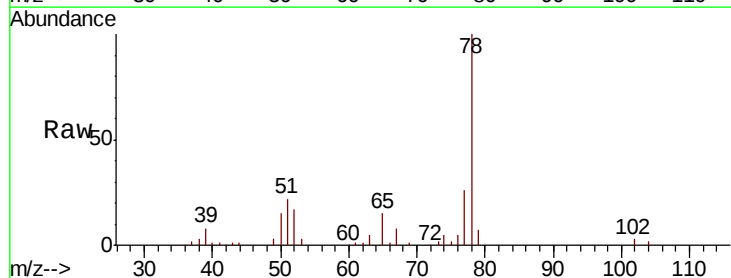


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

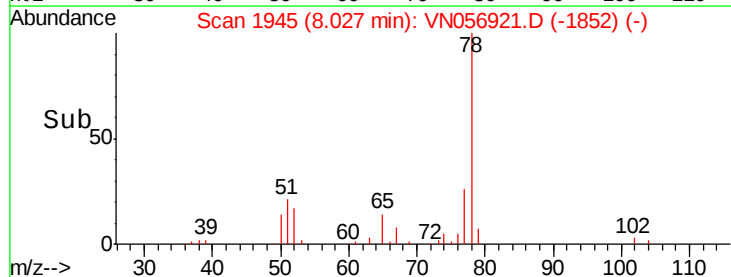
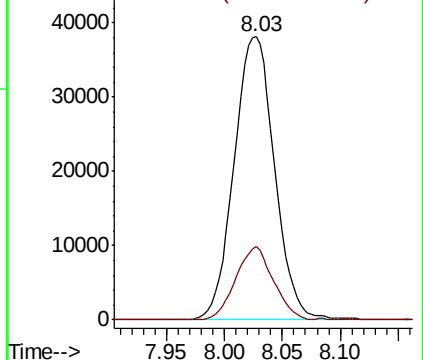


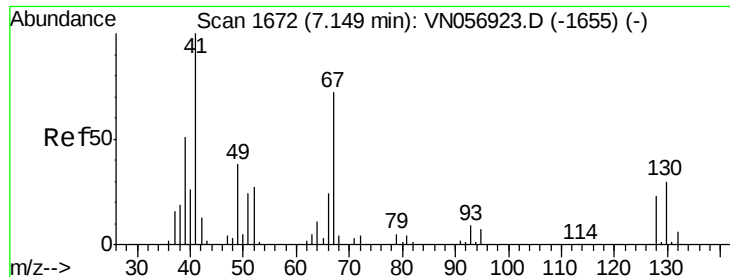
#40
Benzene
Concen: 5.060 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 78 Resp: 92558
Ion Ratio Lower Upper
78 100
77 25.9 19.5 29.3



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

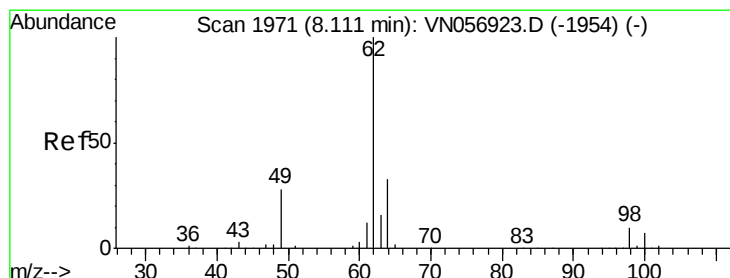
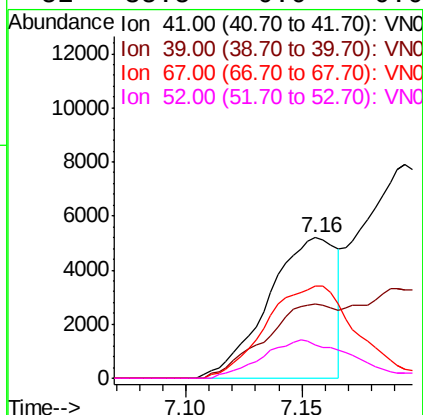
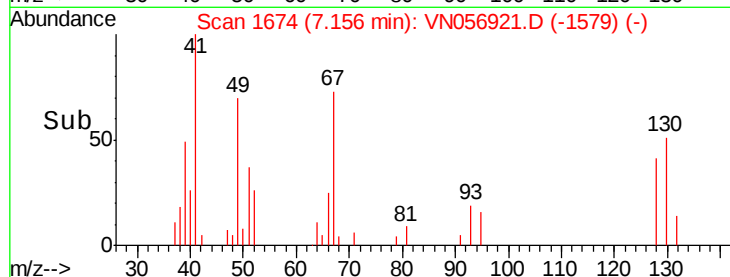
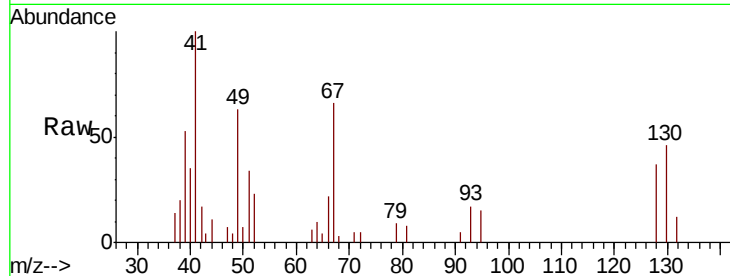




#41
Methacrylonitrile
Concen: 4.691 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

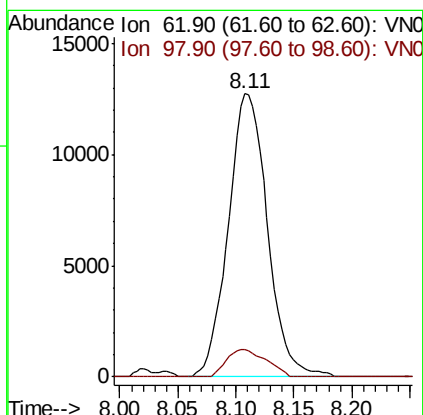
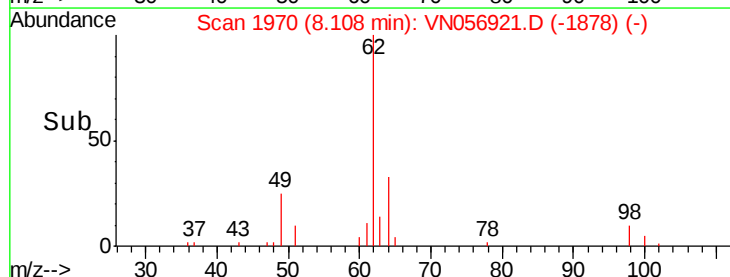
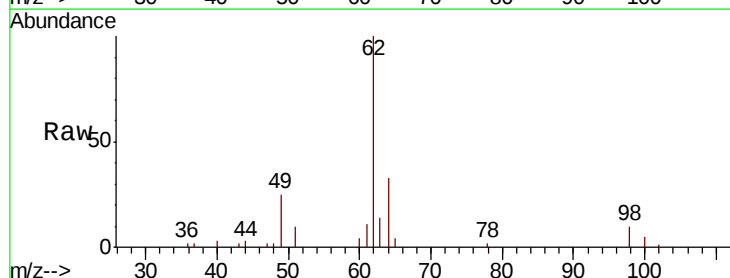
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

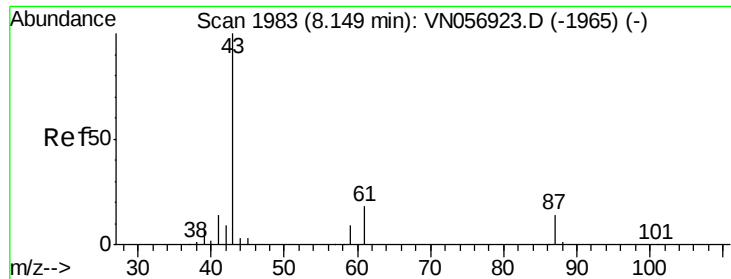
Tot Ion: 41 Resp: 10652
Ion Ratio Lower Upper
41 100
39 54.6 0.0 0.0#
67 85.8 0.0 0.0#
52 35.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 5.239 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 62 Resp: 29940
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.8





#43

Isopropyl Acetate

Concen: 4.625 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

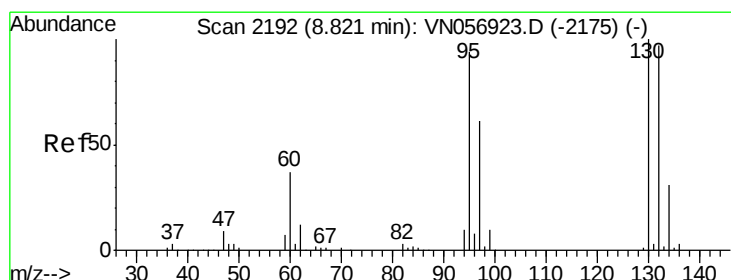
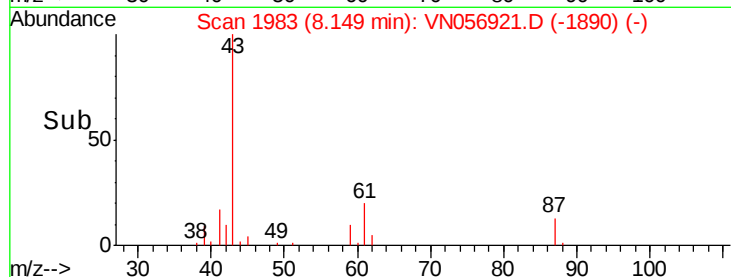
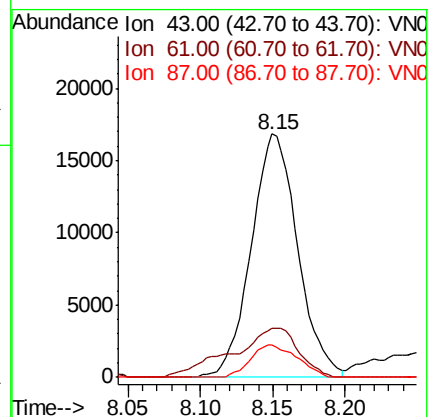
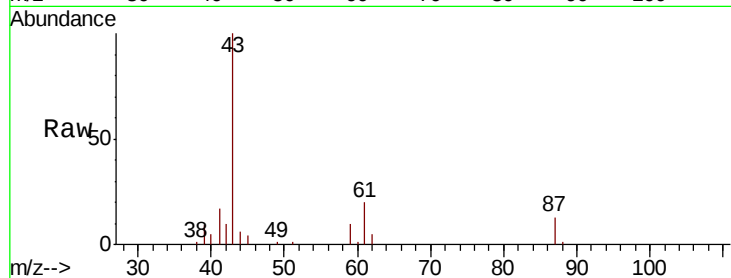
Tot Ion: 43 Resp: 37524

Ion Ratio Lower Upper

43 100

61 29.0 23.8 35.6

87 13.4 11.8 17.6



#44

Trichloroethene

Concen: 5.084 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056921.D

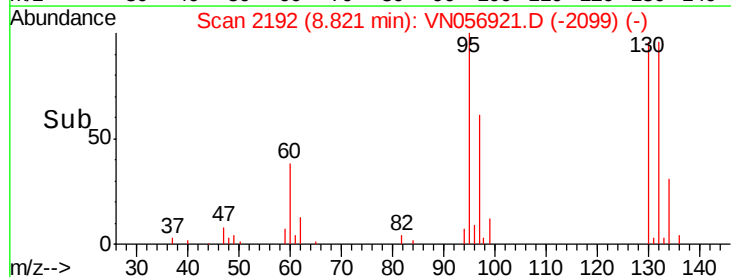
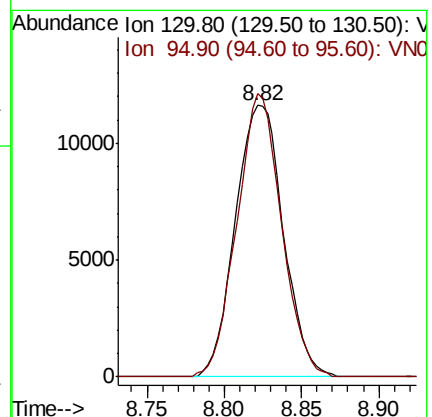
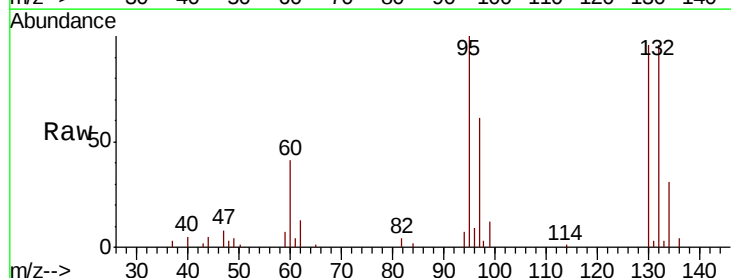
Acq: 25 Jul 2019 14:28

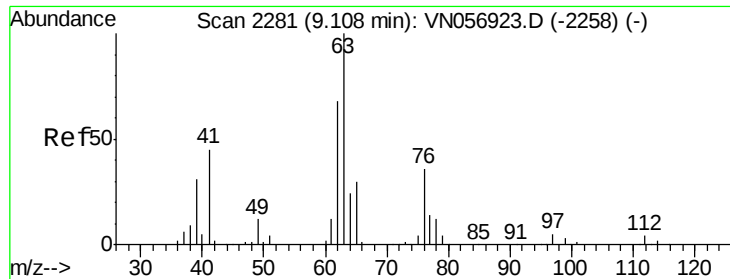
Tgt Ion:130 Resp: 25048

Ion Ratio Lower Upper

130 100

95 104.2 0.0 187.6





#45

1,2-Dichloropropane

Concen: 5.037 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

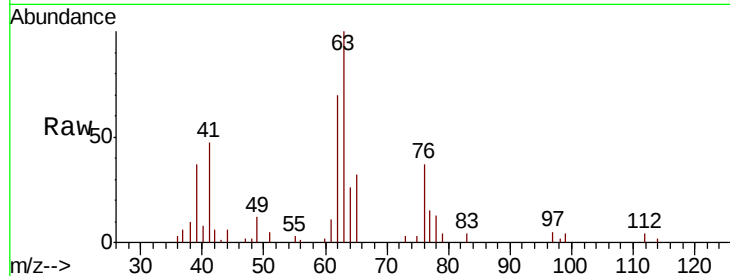
VSTDIC005

Tot Ion: 63 Resp: 24883

Ion Ratio Lower Upper

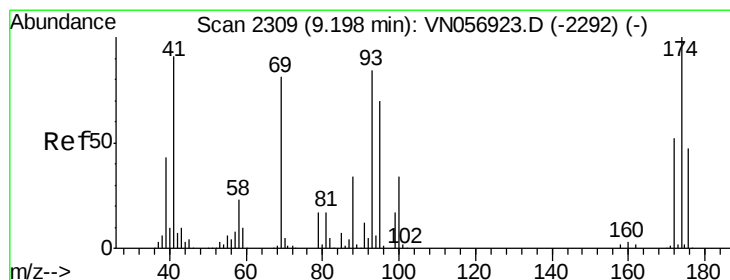
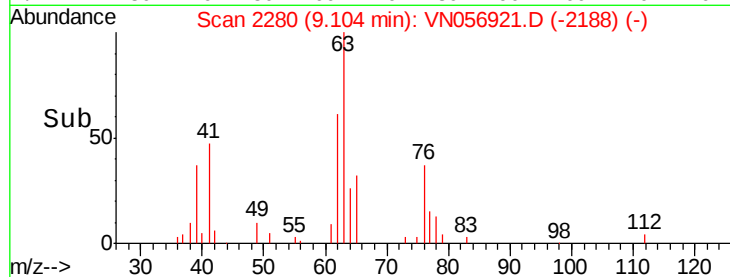
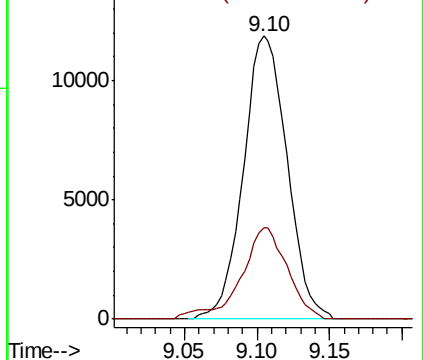
63 100

65 32.3 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN056921.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN056921.D (-2258) (-)



#46

Dibromomethane

Concen: 4.937 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

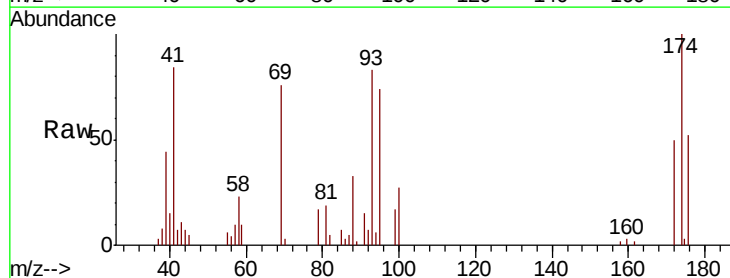
Tgt Ion: 93 Resp: 15051

Ion Ratio Lower Upper

93 100

95 82.2 66.8 100.2

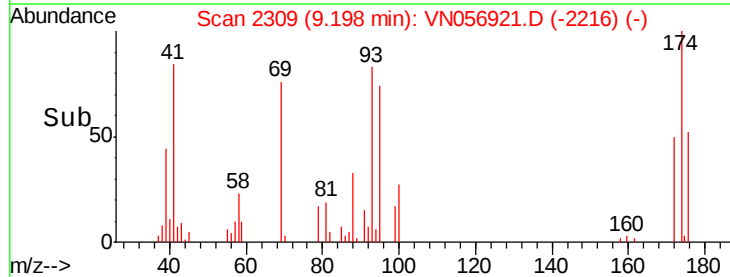
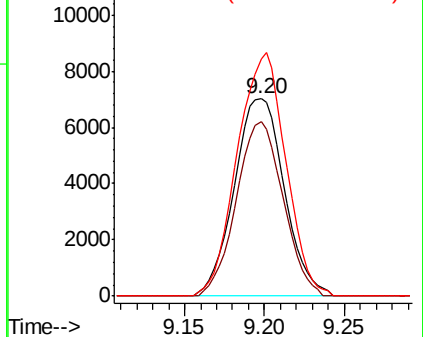
174 119.4 92.9 139.3

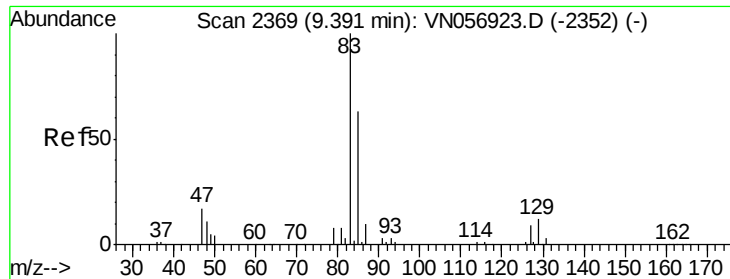


Abundance Ion 92.80 (92.50 to 93.50): VN056921.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN056921.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN056921.D (-2292) (-)





#47

Bromodichloromethane

Concen: 4.973 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

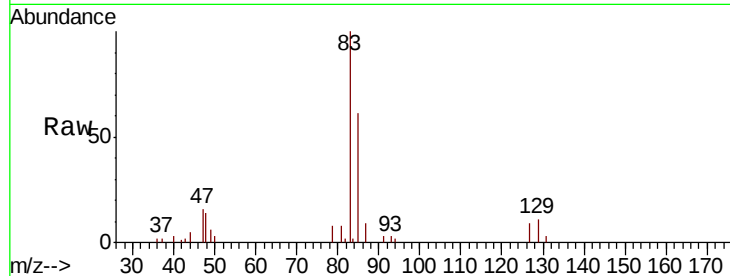
Tot Ion: 83 Resp: 28581

Ion Ratio Lower Upper

83 100

85 61.1 50.5 75.7

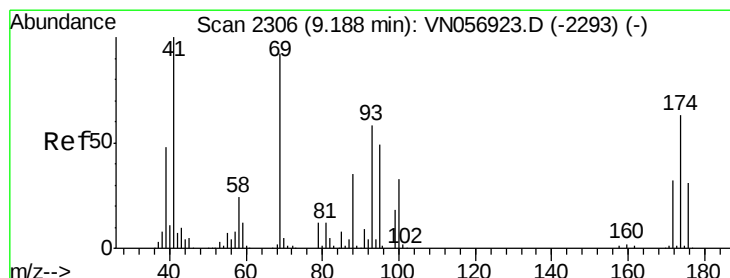
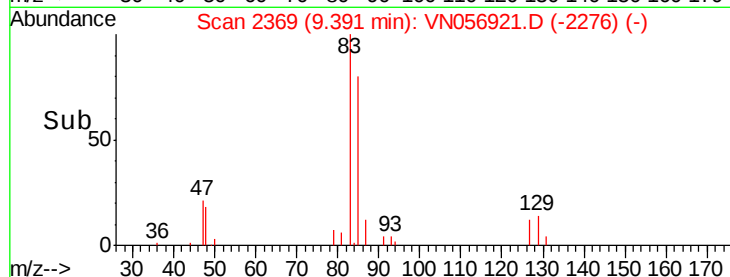
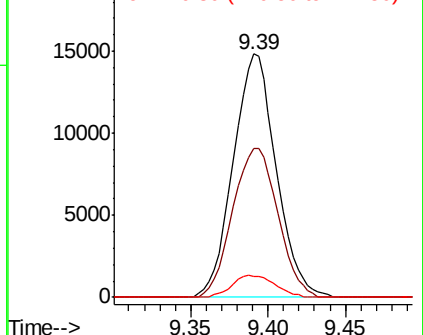
127 8.8 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056921.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056921.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056921.D (-2276) (-)



#48

Methyl methacrylate

Concen: 4.104 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

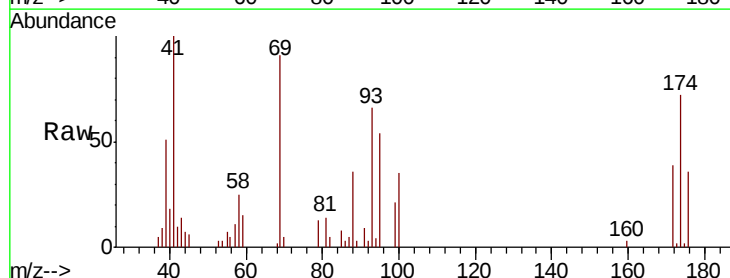
Tgt Ion: 41 Resp: 16613

Ion Ratio Lower Upper

41 100

69 99.4 73.4 110.0

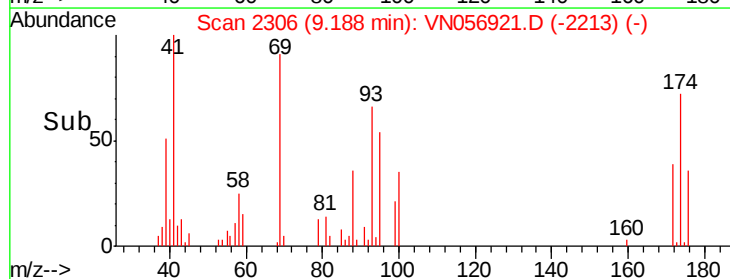
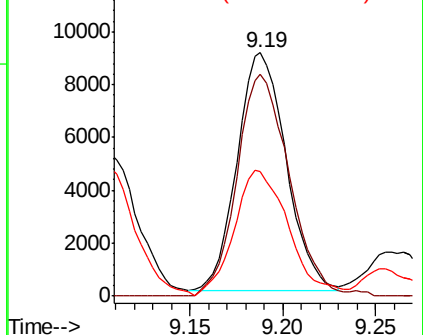
39 58.2 40.1 60.1

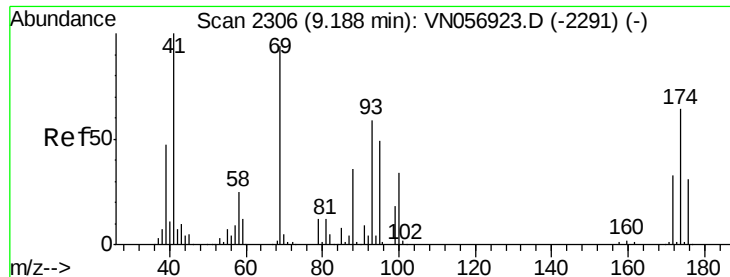


Abundance Ion 41.00 (40.70 to 41.70): VN056921.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056921.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056921.D (-2213) (-)

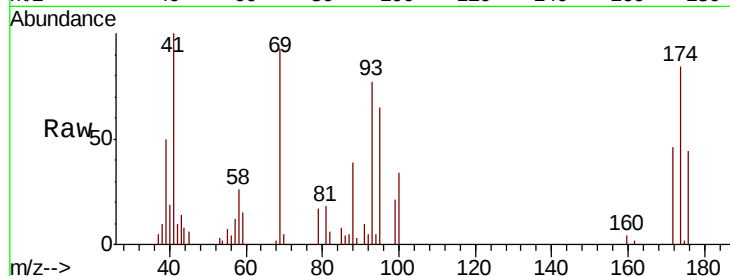




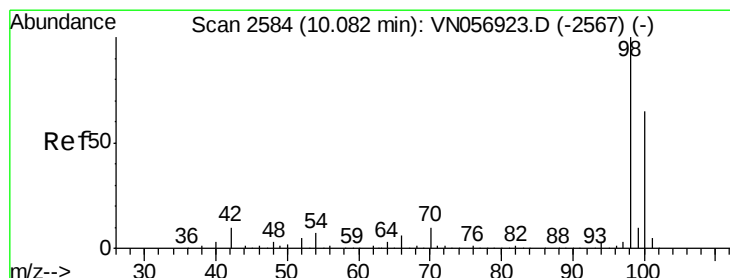
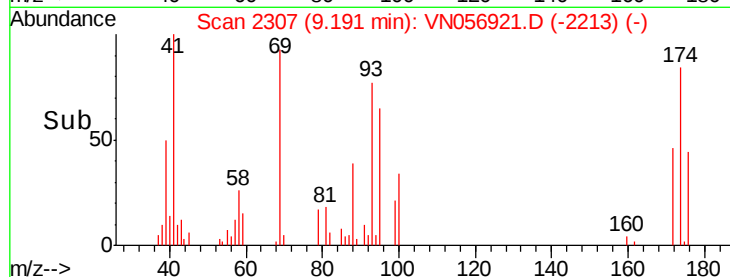
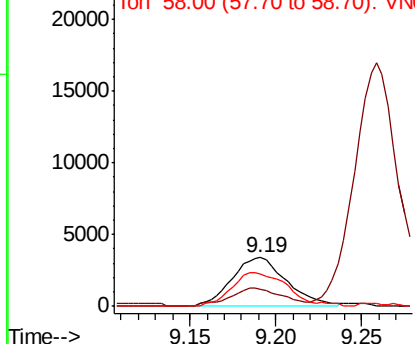
#49
1,4-Dioxane
Concen: 94.395 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 7550
Ion Ratio Lower Upper
88 100
43 35.5 21.1 31.7#
58 70.1 52.5 78.7

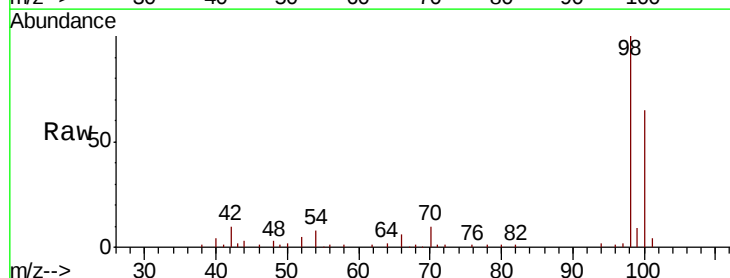


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

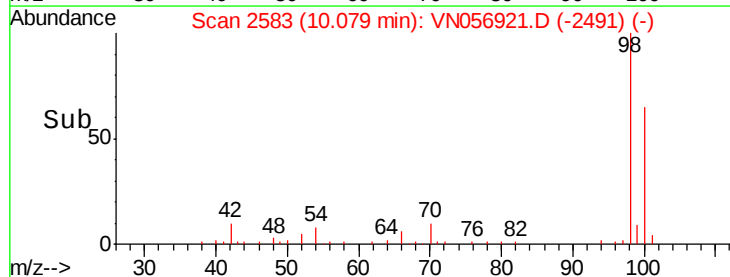
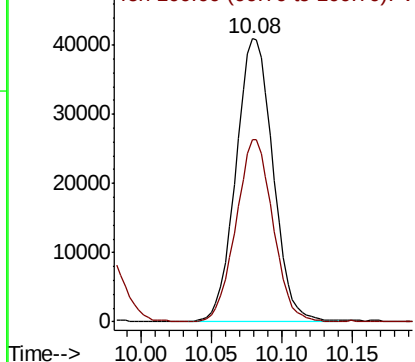


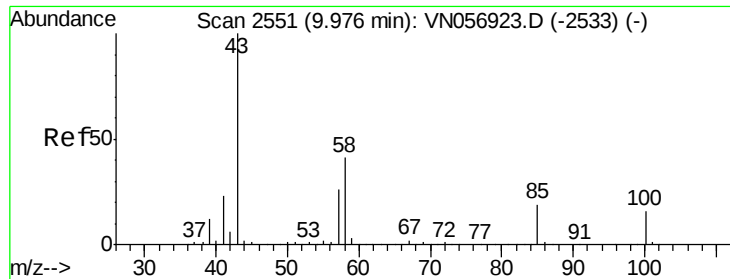
#50
Toluene-d8
Concen: 4.804 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 98 Resp: 75349
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 23.812 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

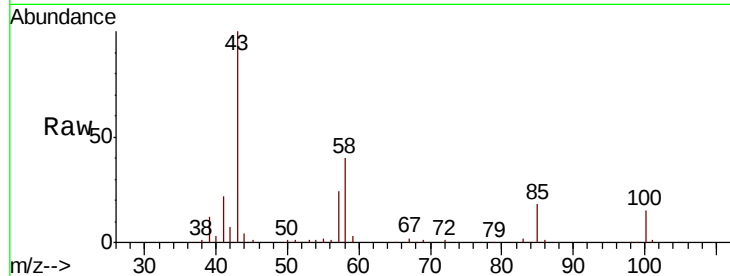
VSTDIC005

Tot Ion: 43 Resp: 114979

Ion Ratio Lower Upper

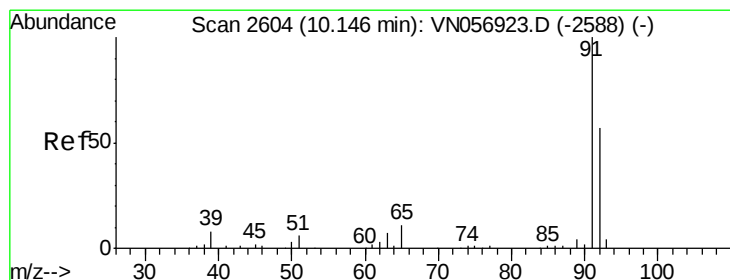
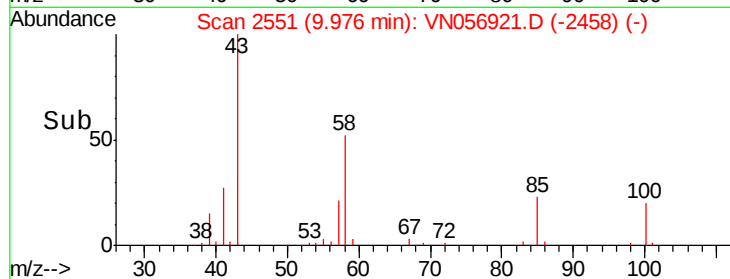
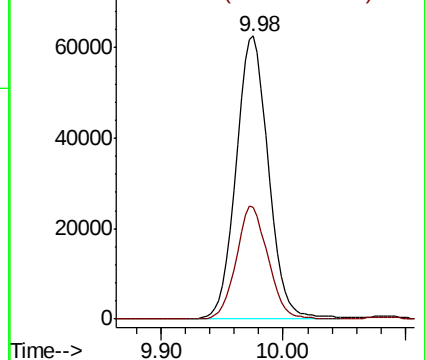
43 100

58 39.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN056923.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056923.D (-2533) (-)



#52

Toluene

Concen: 4.900 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056921.D

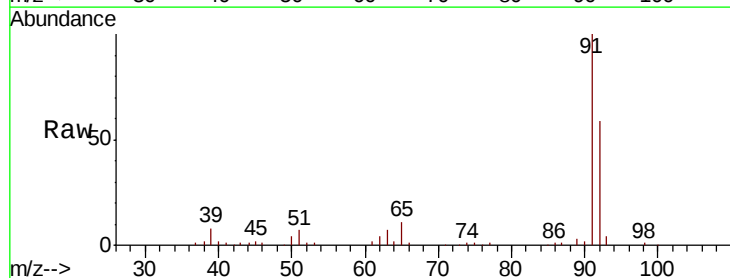
Acq: 25 Jul 2019 14:28

Tgt Ion: 92 Resp: 54015

Ion Ratio Lower Upper

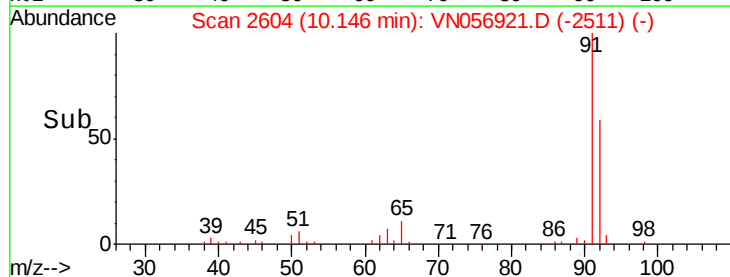
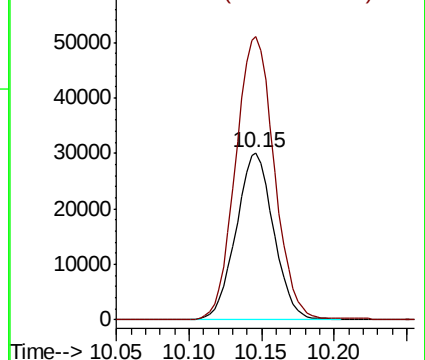
92 100

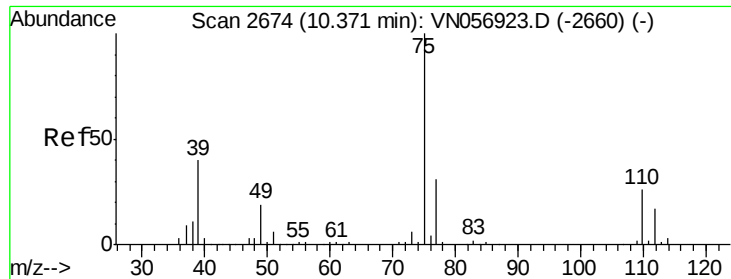
91 175.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN056923.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056923.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 4.590 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

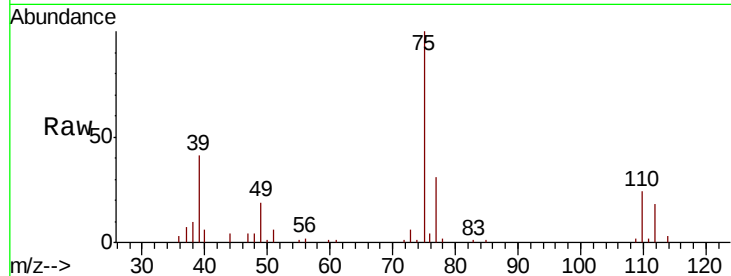
VSTDIC005

Tot Ion: 75 Resp: 26952

Ion Ratio Lower Upper

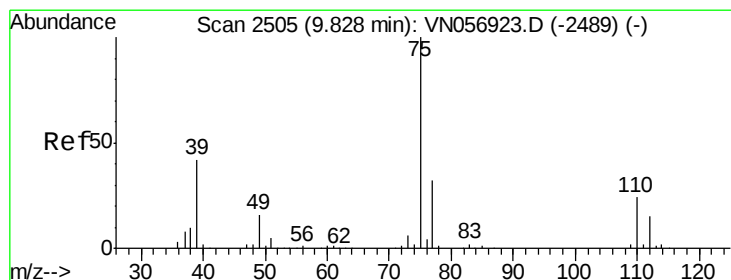
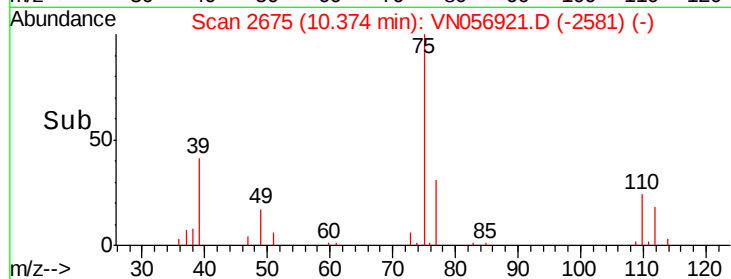
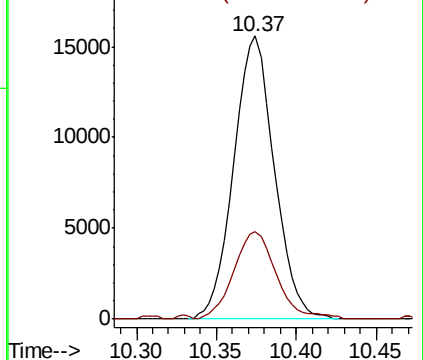
75 100

77 30.0 25.0 37.6



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: 4.583 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

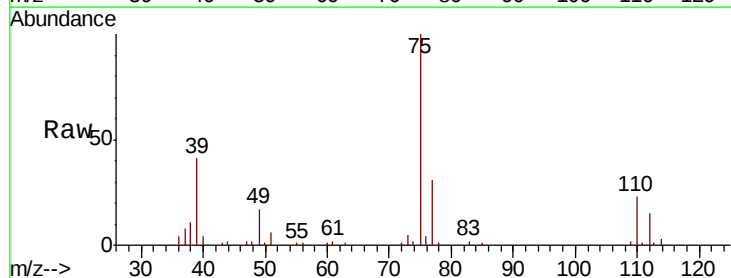
Tgt Ion: 75 Resp: 31816

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

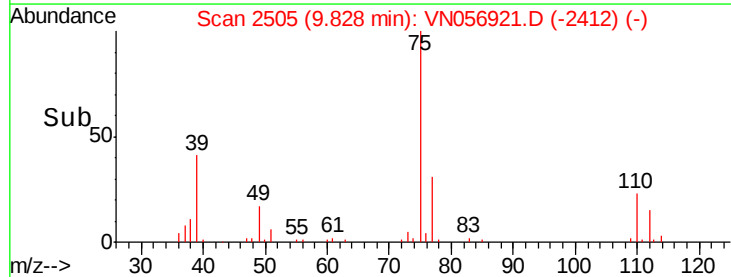
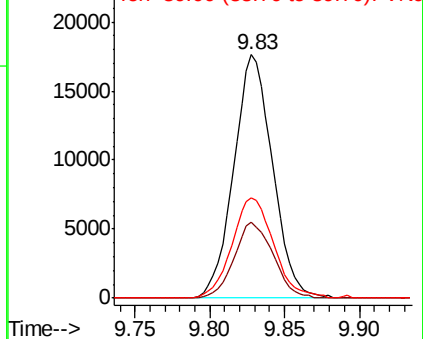
39 41.4 33.4 50.0

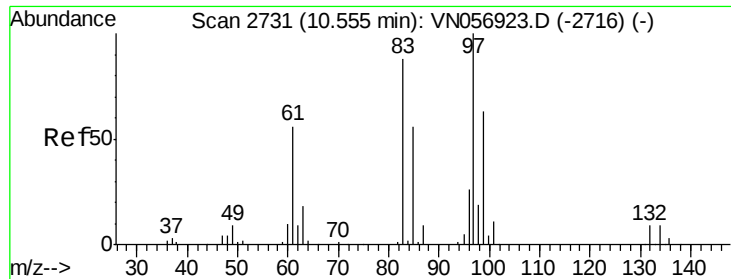


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

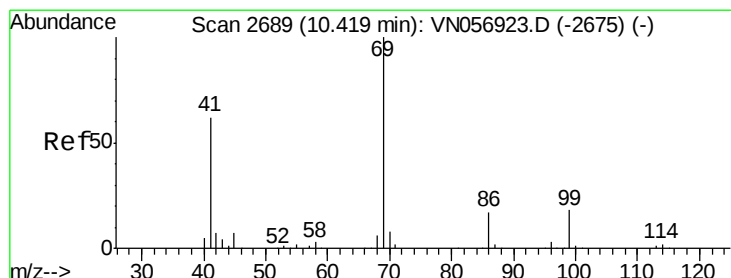
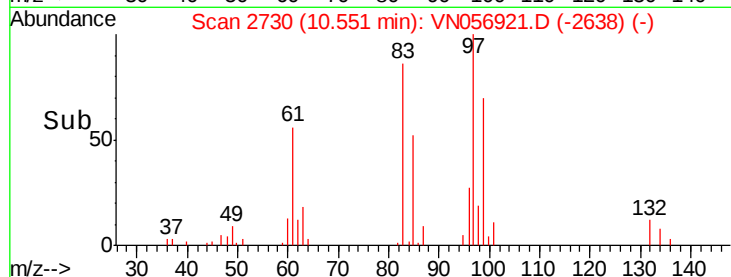
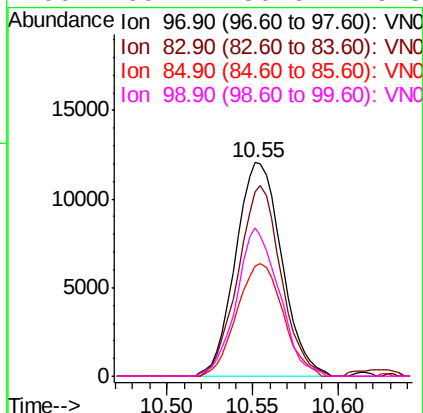
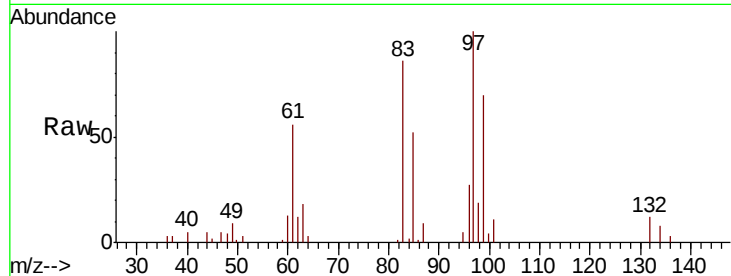




#55
 1,1,2-Trichloroethane
 Concen: 5.130 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

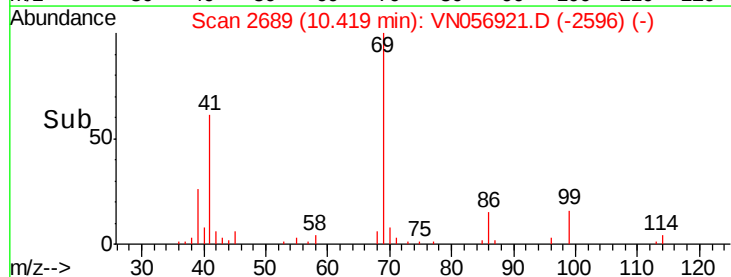
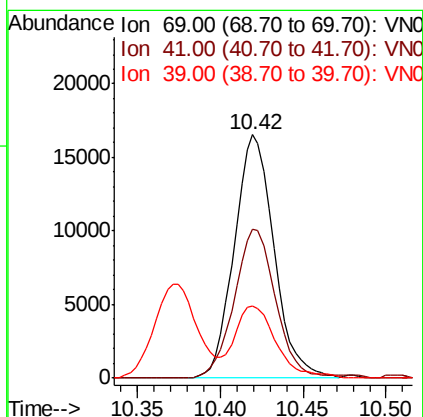
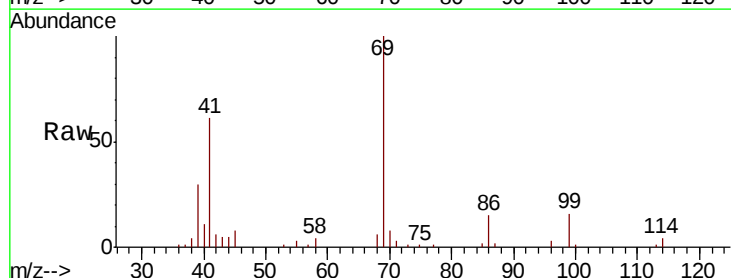
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

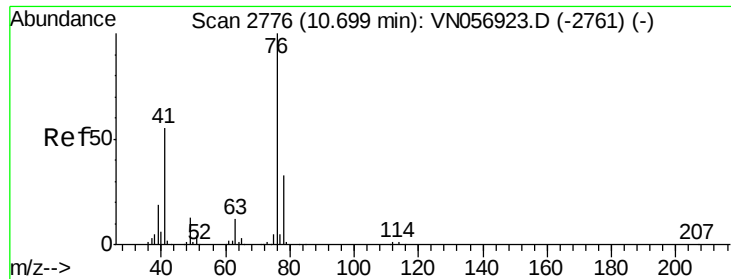
Tot Ion: 97 Resp: 22453
 Ion Ratio Lower Upper
 97 100
 83 86.2 70.1 105.1
 85 51.8 45.1 67.7
 99 69.7 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 4.562 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 69 Resp: 27563
 Ion Ratio Lower Upper
 69 100
 41 63.3 49.7 74.5
 39 31.0 23.6 35.4

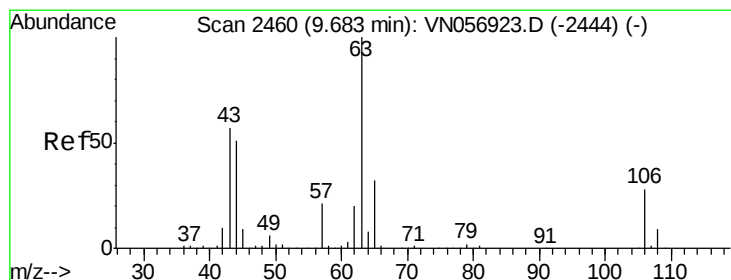
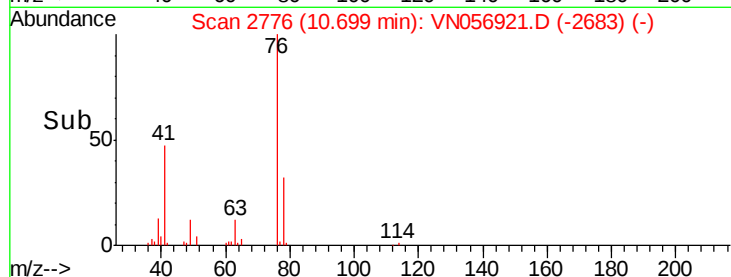
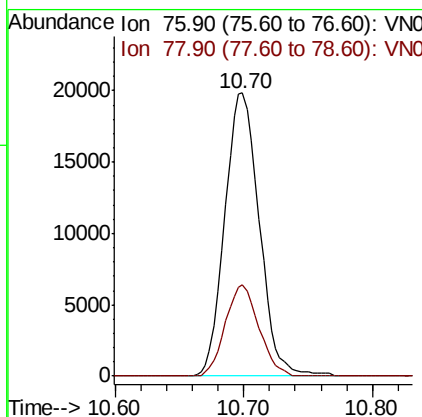
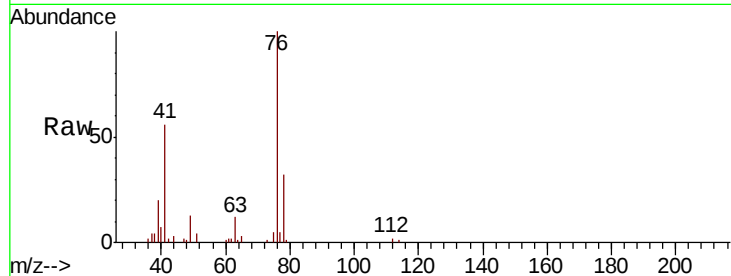




#57
 1,3-Dichloropropane
 Concen: 5.092 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

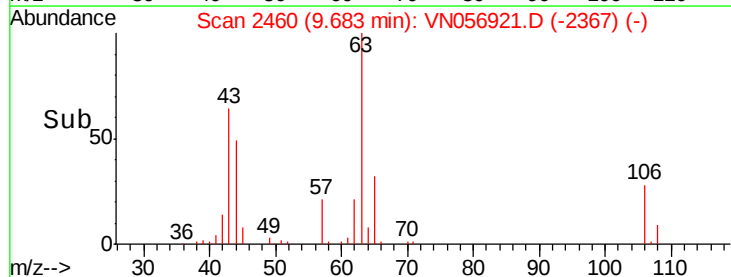
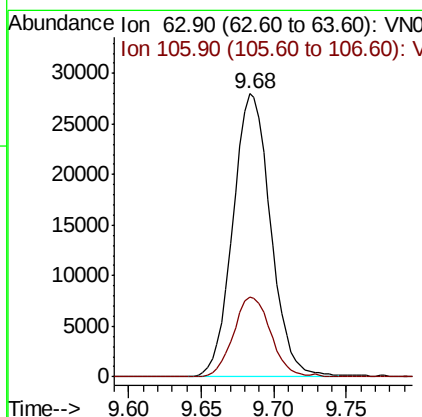
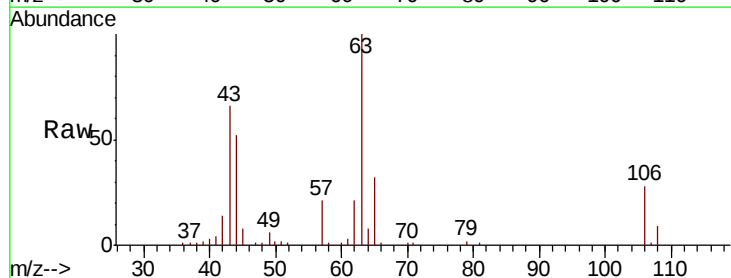
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

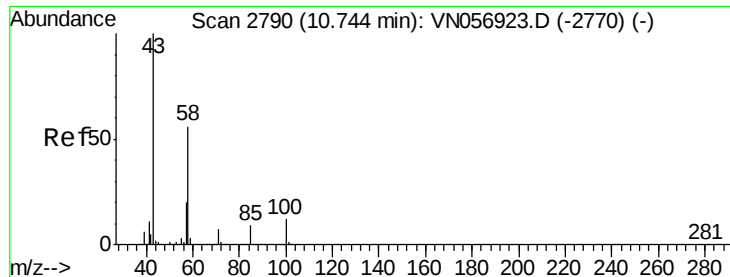
Tot Ion: 76 Resp: 36859
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.154 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 63 Resp: 50731
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.2 33.4

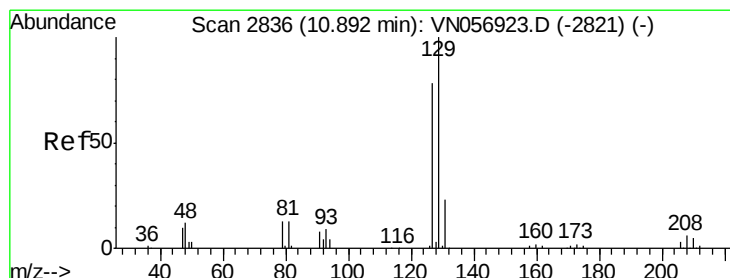
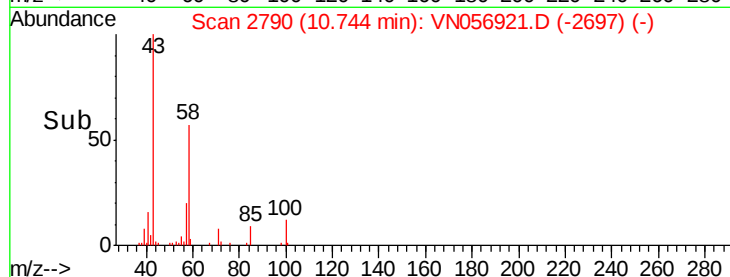
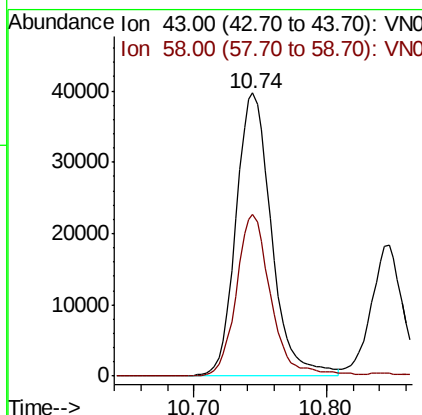
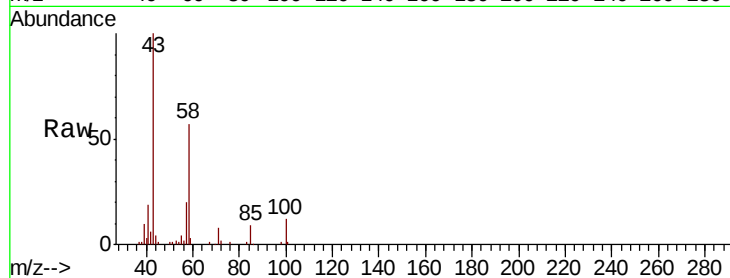




#59
2-Hexanone
Concen: 22.052 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

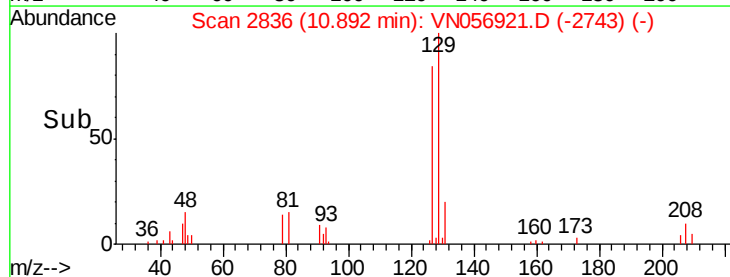
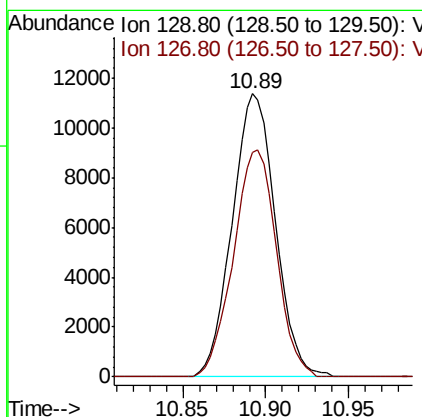
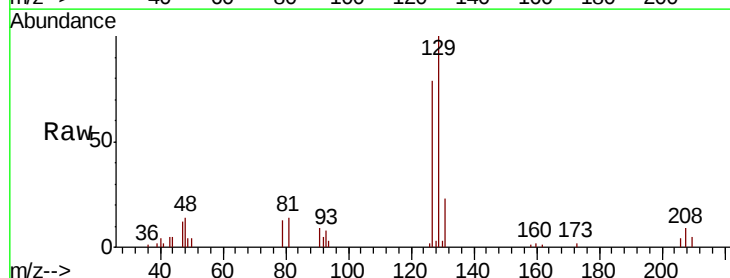
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

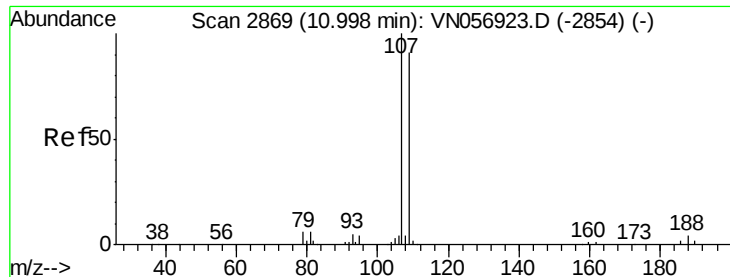
Tot Ion: 43 Resp: 73930
Ion Ratio Lower Upper
43 100
58 55.6 28.2 84.6



#60
Dibromochloromethane
Concen: 4.681 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 129 Resp: 20569
Ion Ratio Lower Upper
129 100
127 79.9 38.4 115.2

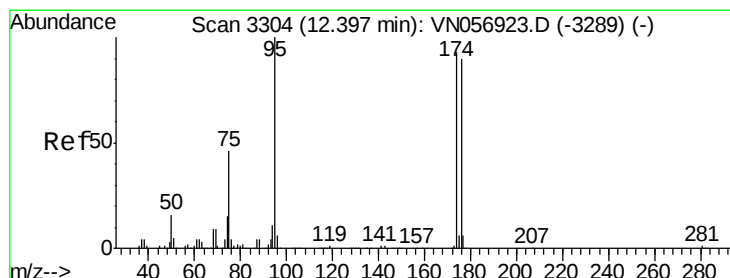
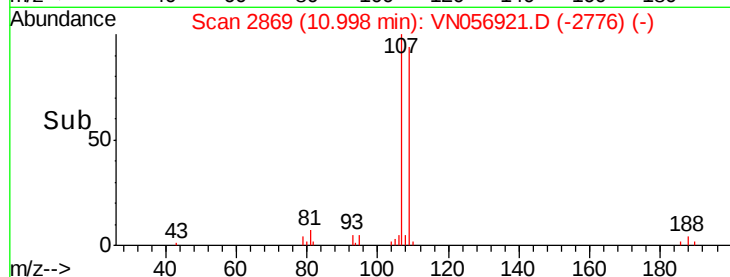
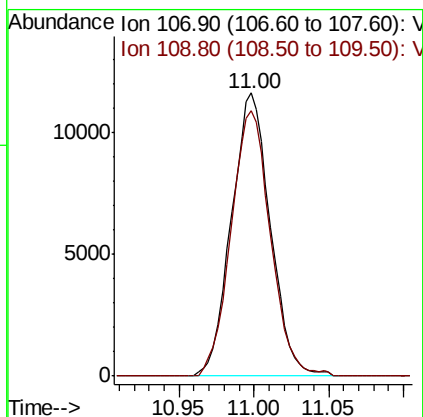
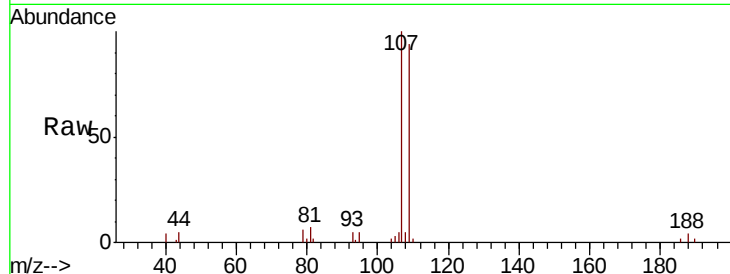




#61
 1,2-Dibromoethane
 Concen: 4.847 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

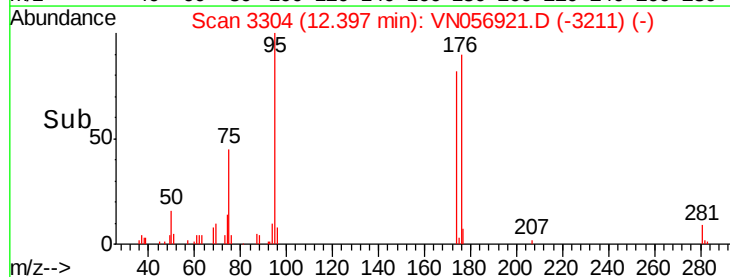
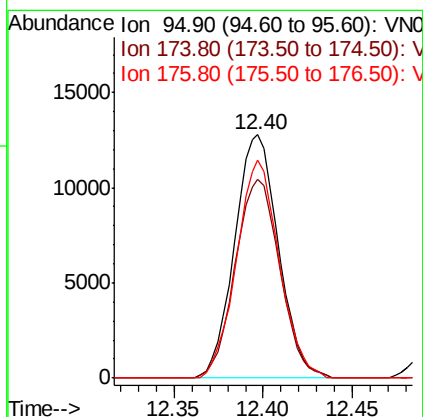
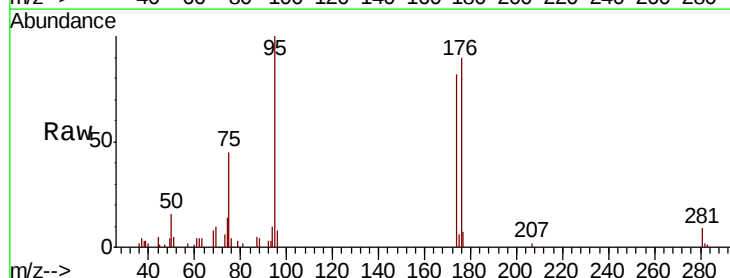
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

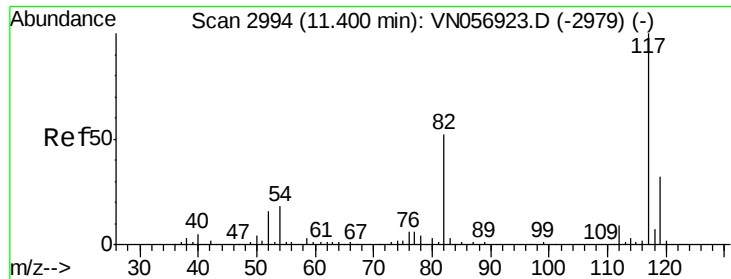
Tot Ion: 107 Resp: 21026
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 4.269 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion: 95 Resp: 21826
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 186.2
 176 87.2 0.0 179.6

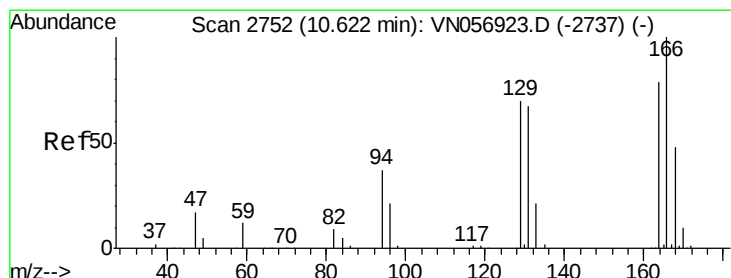
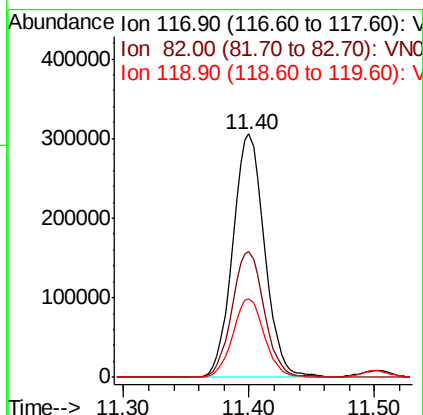
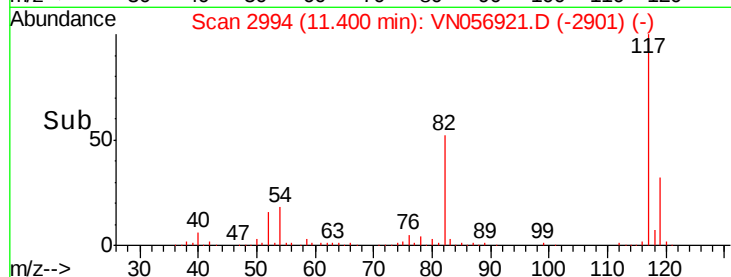
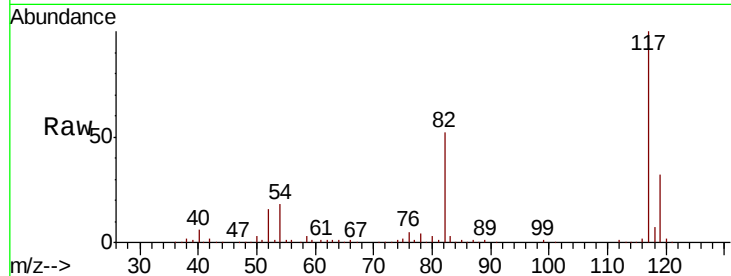




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

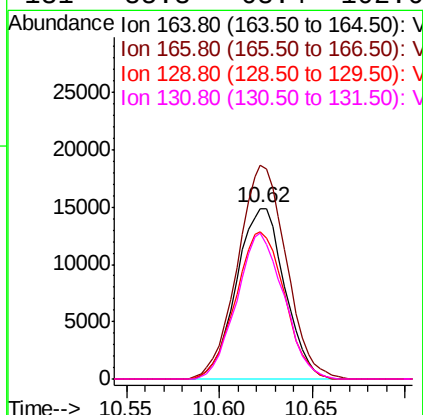
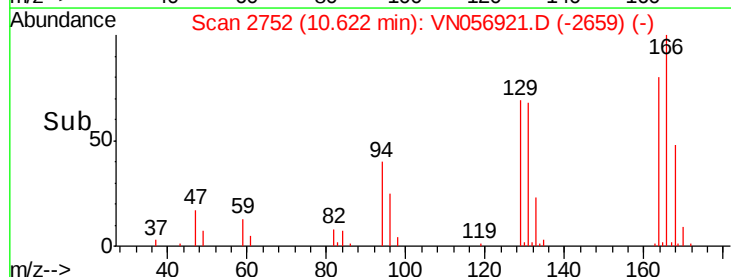
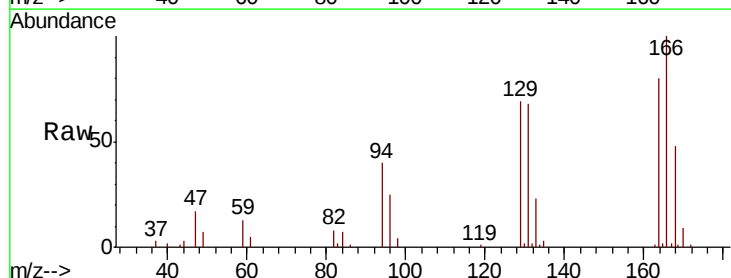
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

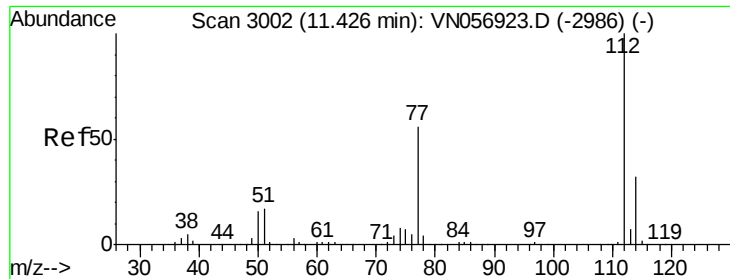
Tot Ion:117 Resp: 539158
Ion Ratio Lower Upper
117 100
82 51.6 41.7 62.5
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 5.719 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:164 Resp: 26860
Ion Ratio Lower Upper
164 100
166 125.4 101.6 152.4
129 86.7 70.9 106.3
131 85.3 68.4 102.6





#65

Chlorobenzene

Concen: 5.130 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

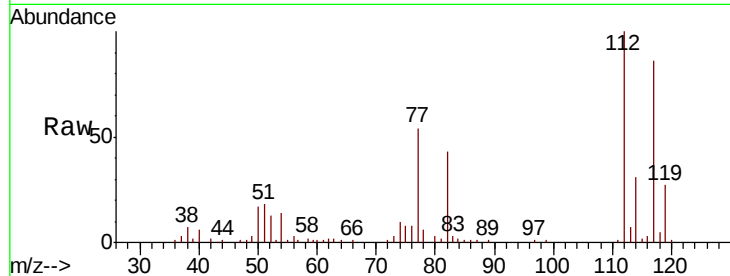
VSTDIC005

Tot Ion:112 Resp: 57763

Ion Ratio Lower Upper

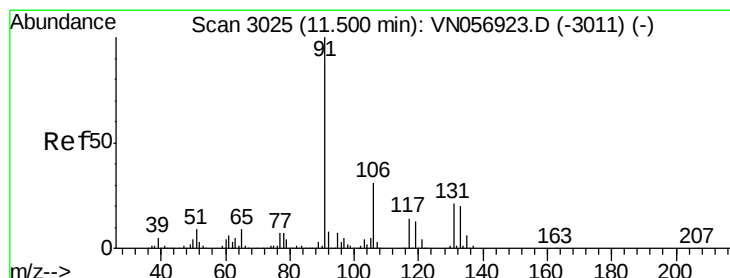
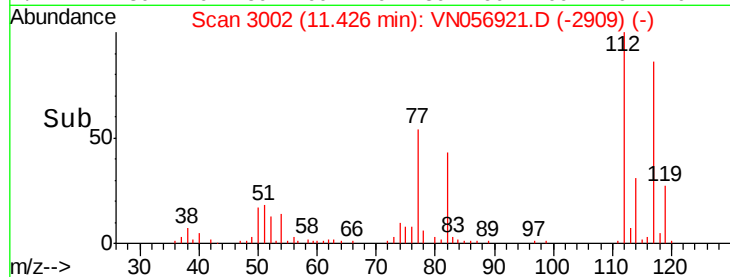
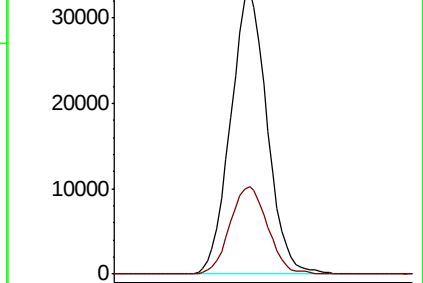
112 100

114 30.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.784 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

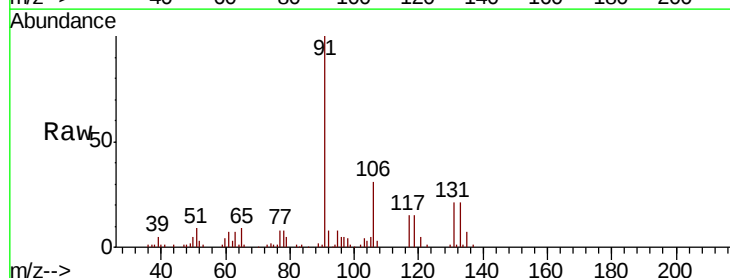
Tgt Ion:131 Resp: 20325

Ion Ratio Lower Upper

131 100

133 100.6 47.1 141.4

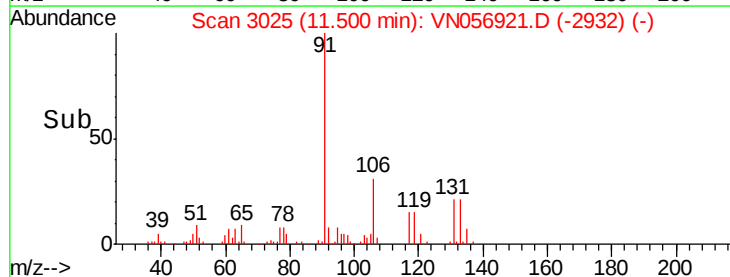
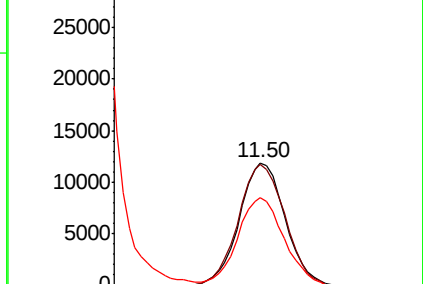
119 72.0 32.6 98.0

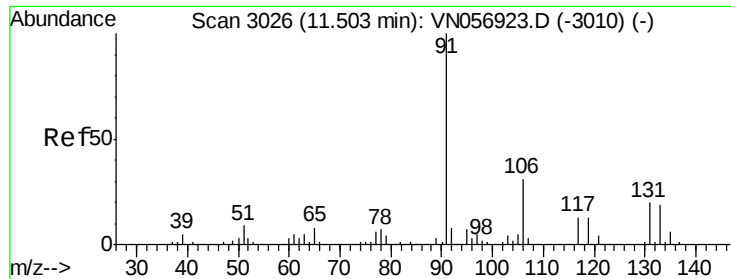


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

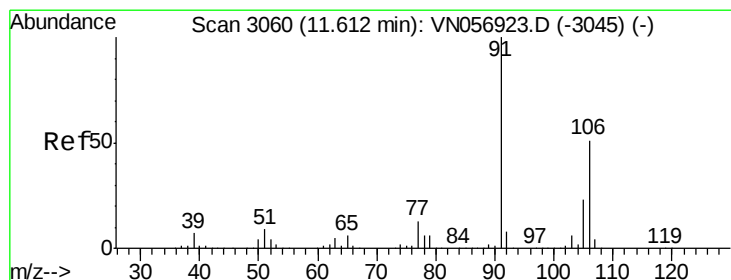
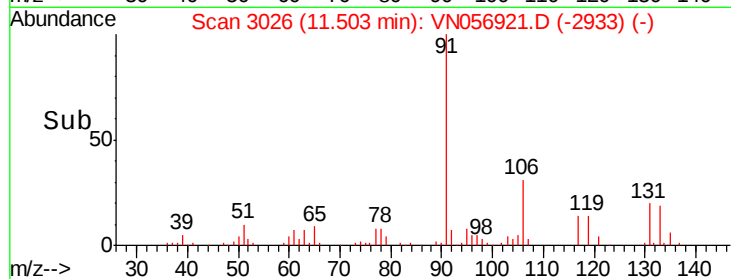
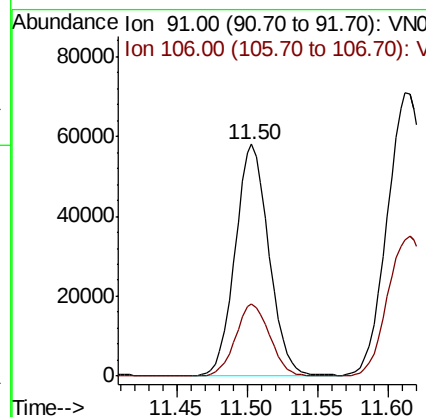
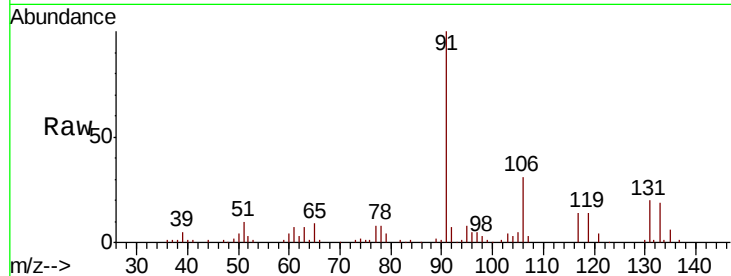




#67
Ethyl Benzene
Concen: 4.993 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

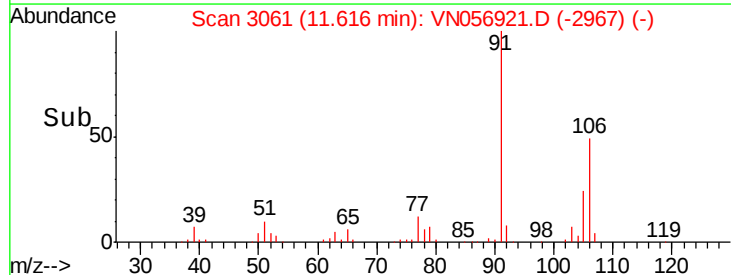
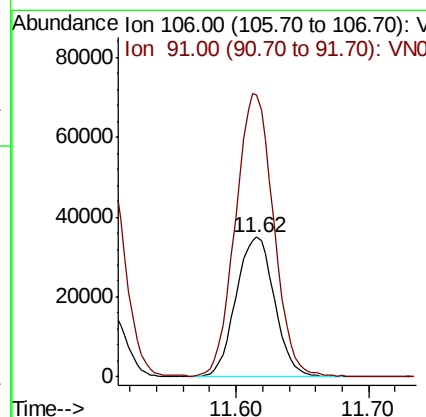
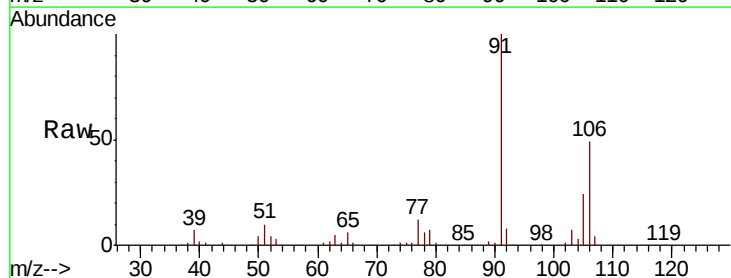
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

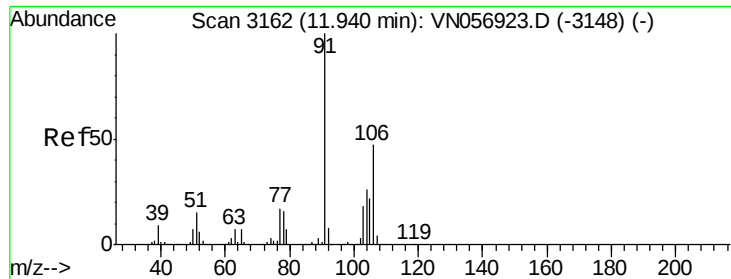
Tot Ion: 91 Resp: 97154
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 9.689 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 106 Resp: 70598
Ion Ratio Lower Upper
106 100
91 199.5 159.6 239.4

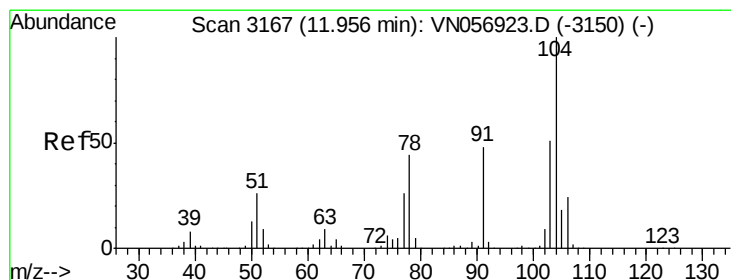
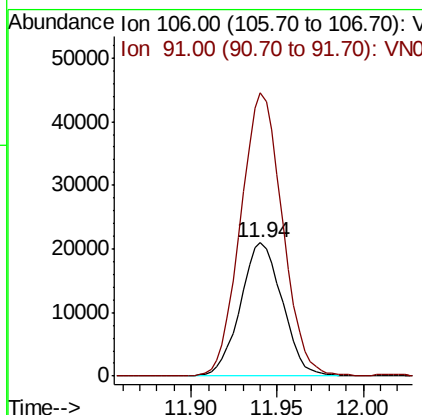
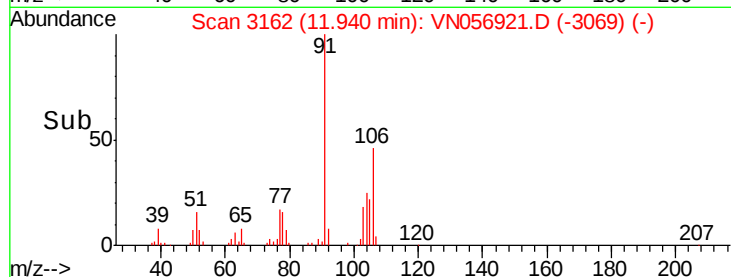
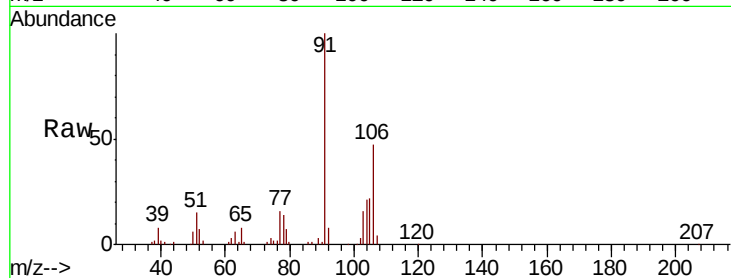




#69
o-Xylene
Concen: 4.998 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

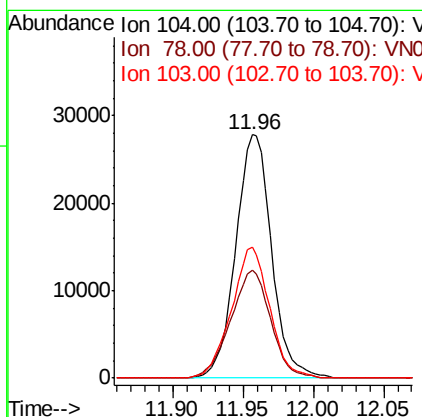
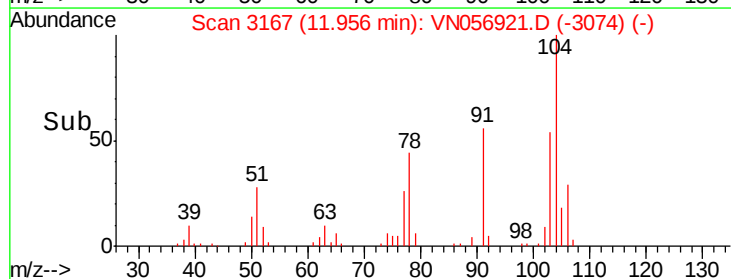
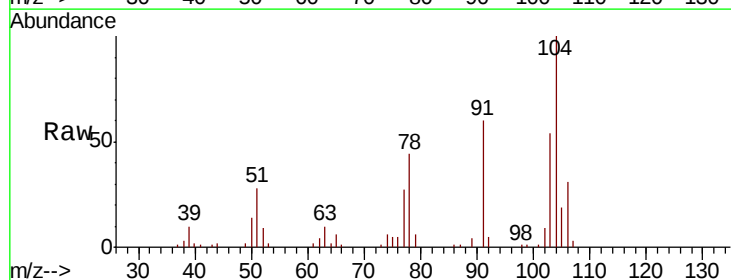
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

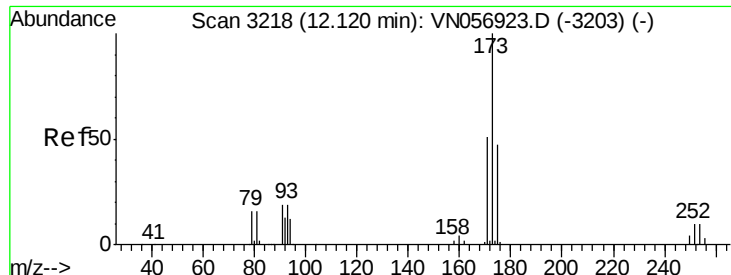
Tot Ion:106 Resp: 35470
Ion Ratio Lower Upper
106 100
91 212.1 105.7 317.0



#70
Styrene
Concen: 4.383 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:104 Resp: 49603
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 57.1 44.1 66.1

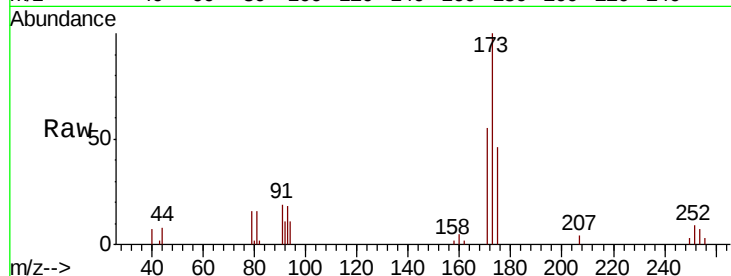




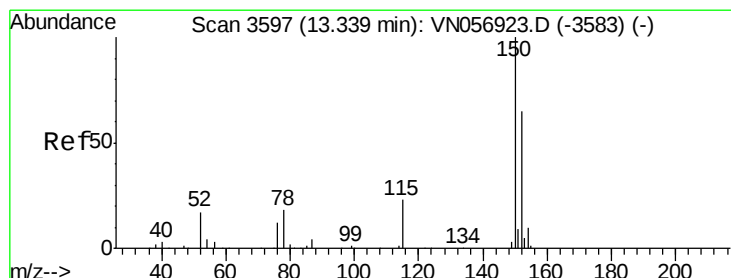
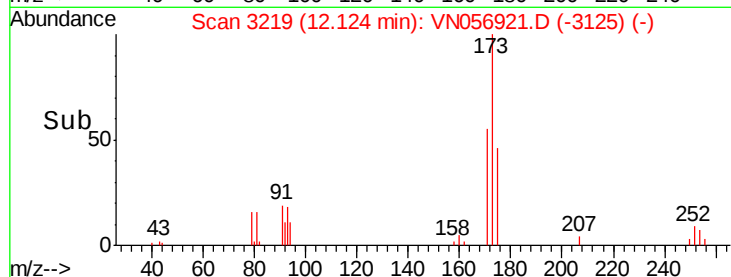
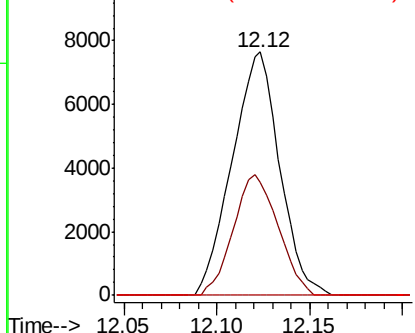
#71
Bromoform
Concen: 4.639 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 13566
Ion Ratio Lower Upper
173 100
175 46.8 24.2 72.6
254 0.0 0.1 0.1#

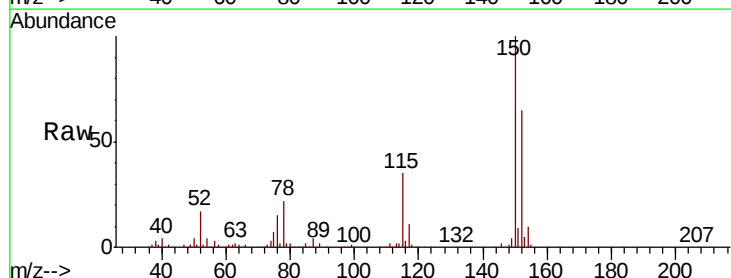


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

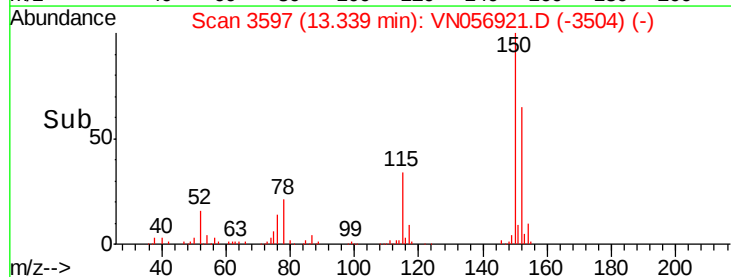
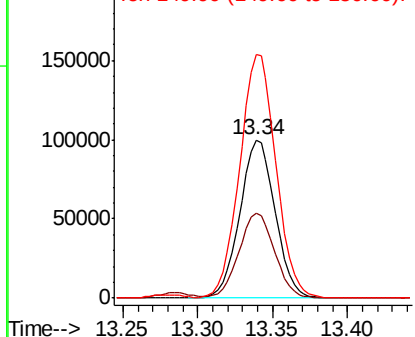


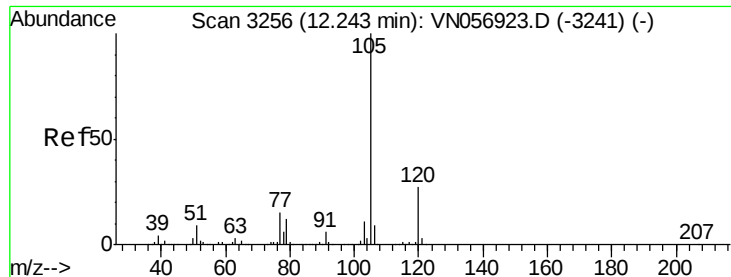
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:152 Resp: 163582
Ion Ratio Lower Upper
152 100
115 54.4 27.9 83.7
150 158.7 0.0 354.2



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: 6.359 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

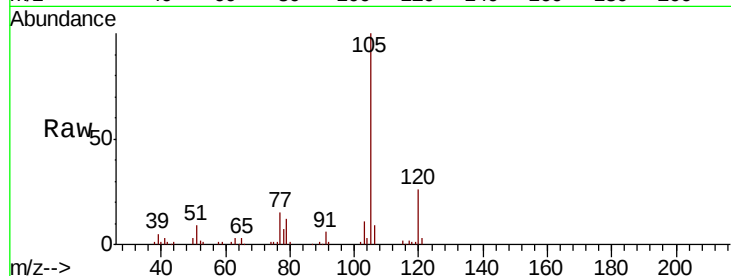
VSTDIC005

Tot Ion:105 Resp: 91685

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

60000

50000

40000

30000

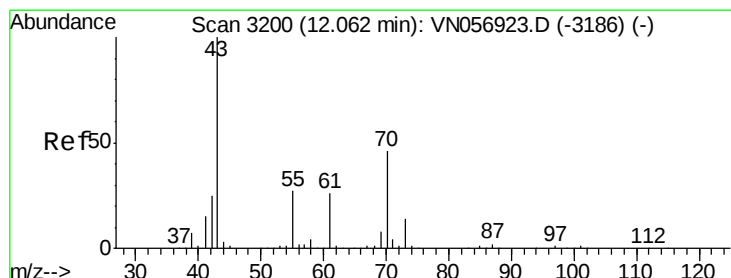
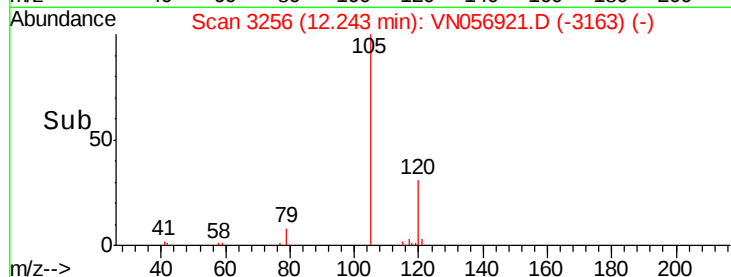
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.123 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Tgt Ion: 43 Resp: 24450

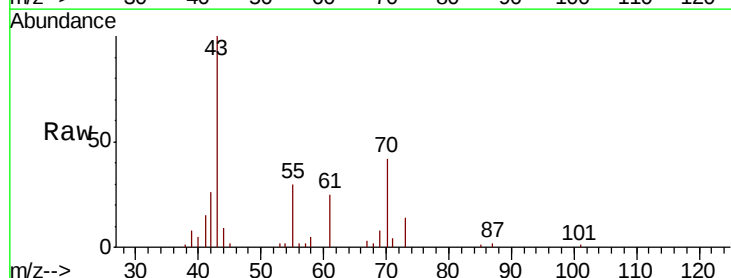
Ion Ratio Lower Upper

43 100

70 42.0 35.9 53.9

55 29.6 21.4 32.2

61 24.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

20000

15000

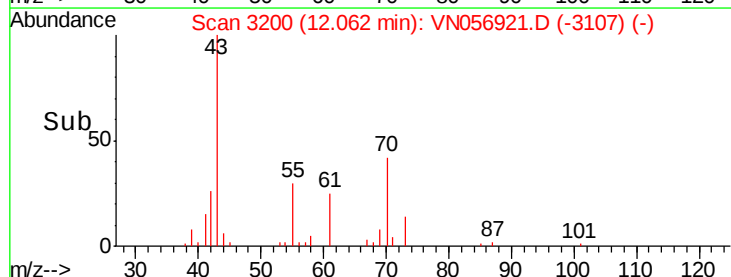
10000

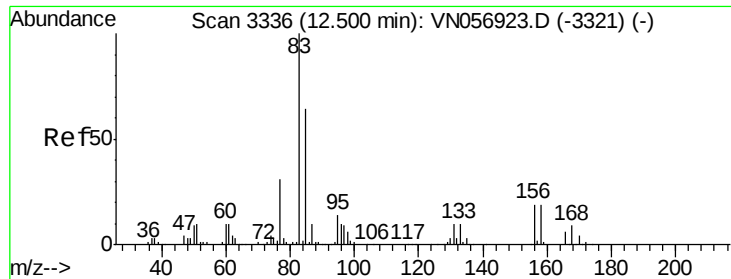
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 6.507 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

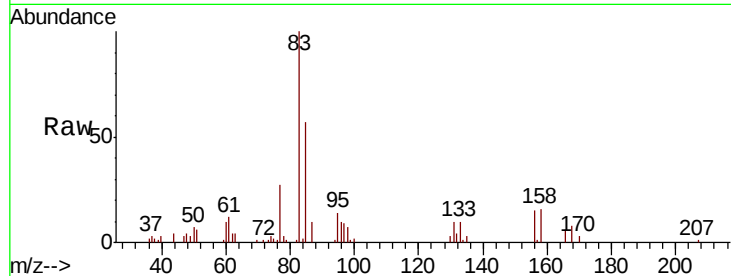
Tot Ion: 83 Resp: 27571

Ion Ratio Lower Upper

83 100

131 9.6 5.3 15.8

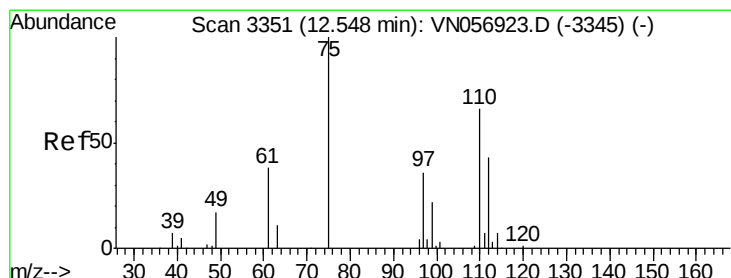
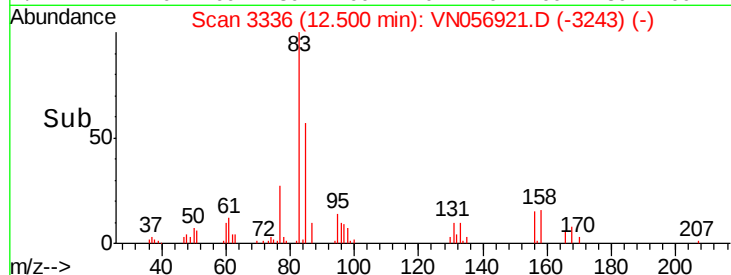
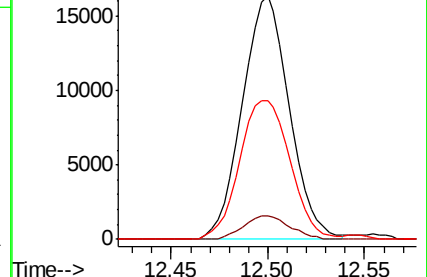
85 61.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN056921.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056921.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056921.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 8.520 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN056921.D

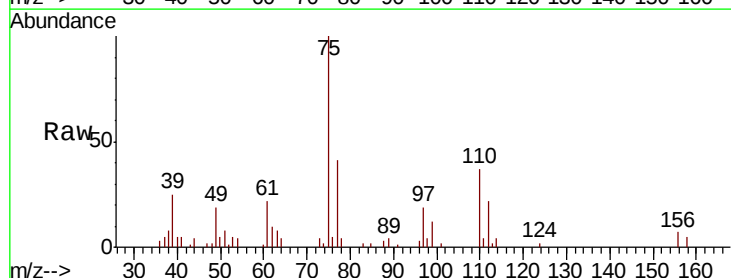
Acq: 25 Jul 2019 14:28

Tgt Ion: 75 Resp: 29372

Ion Ratio Lower Upper

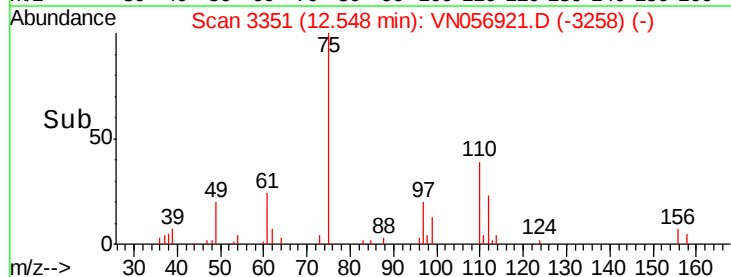
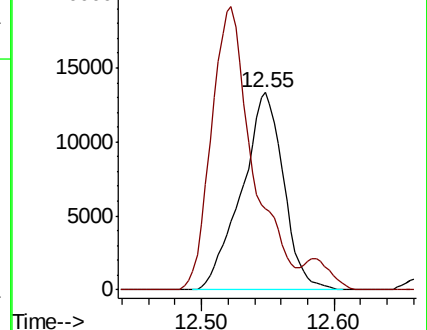
75 100

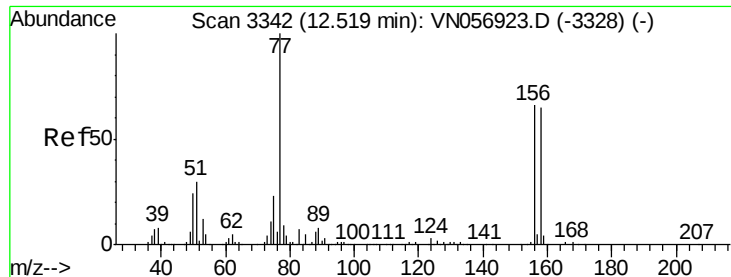
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056921.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN056921.D (-3351) (-)





#77

Bromobenzene

Concen: 6.370 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

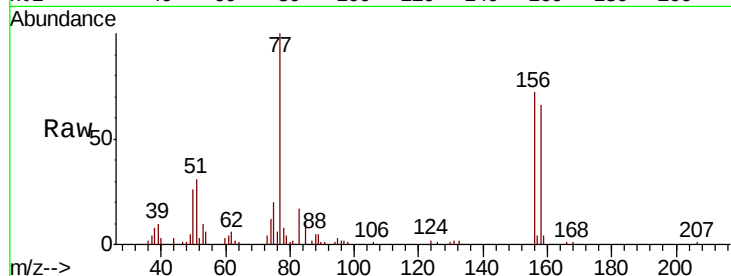
Tot Ion:156 Resp: 22914

Ion Ratio Lower Upper

156 100

77 181.3 90.8 272.3

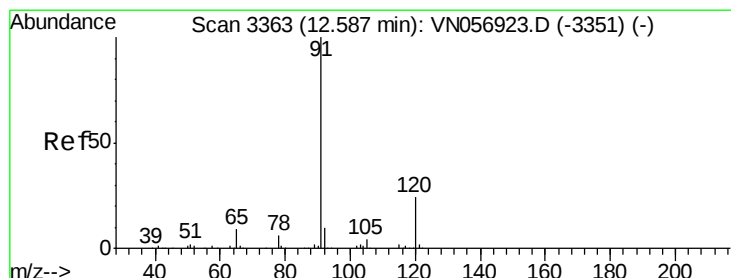
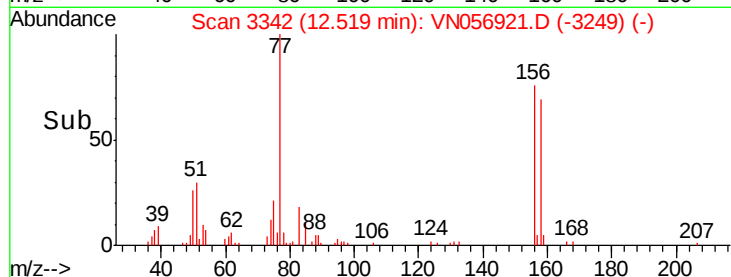
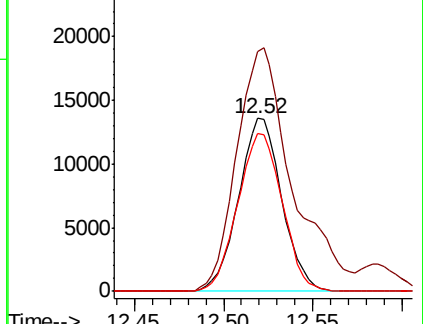
158 94.0 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.862 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056921.D

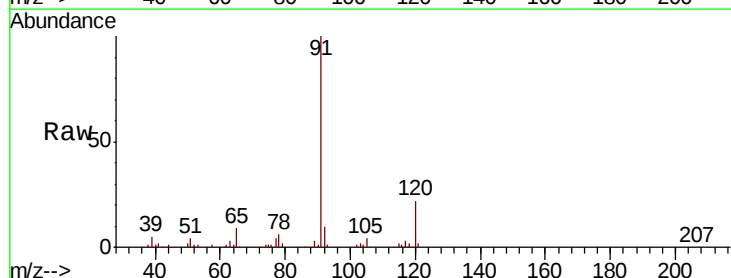
Acq: 25 Jul 2019 14:28

Tgt Ion: 91 Resp: 89171

Ion Ratio Lower Upper

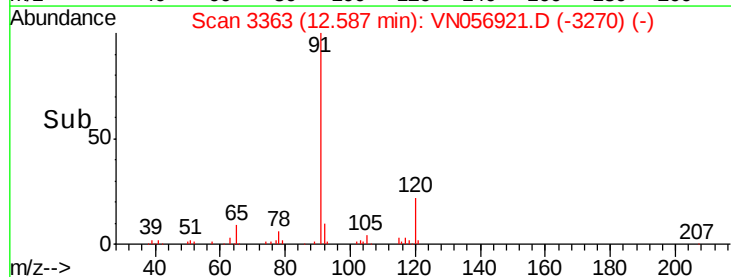
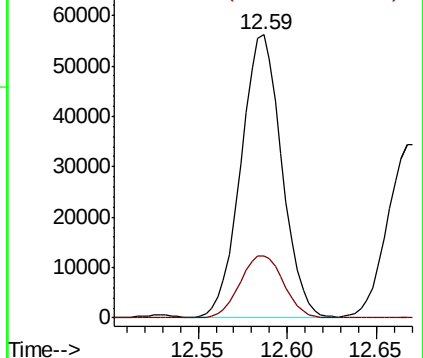
91 100

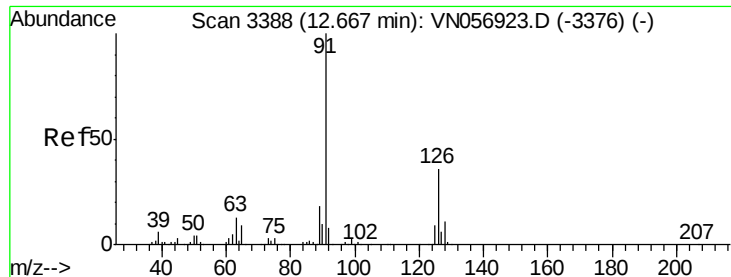
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.251 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

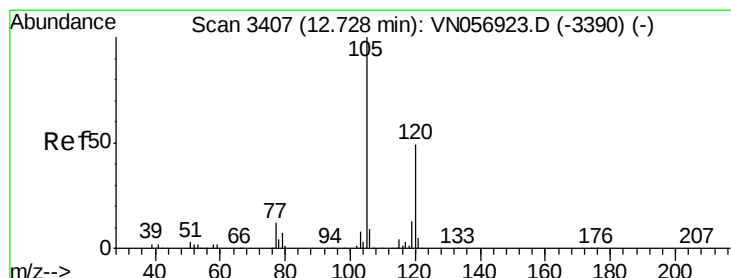
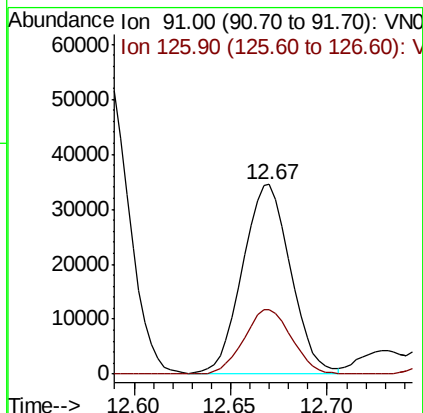
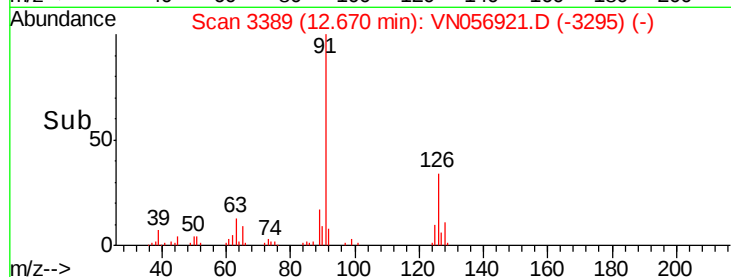
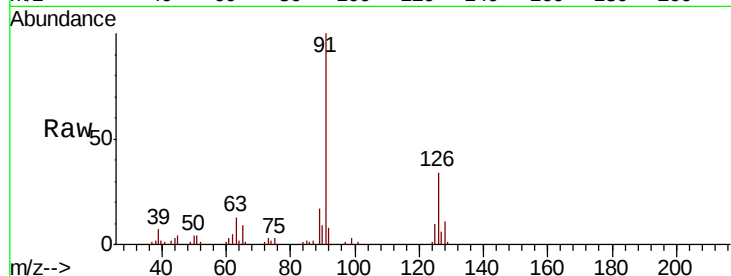
VSTDIC005

Tot Ion: 91 Resp: 59418

Ion Ratio Lower Upper

91 100

126 34.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 6.220 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056921.D

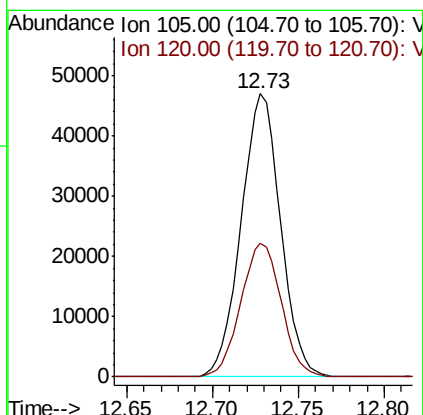
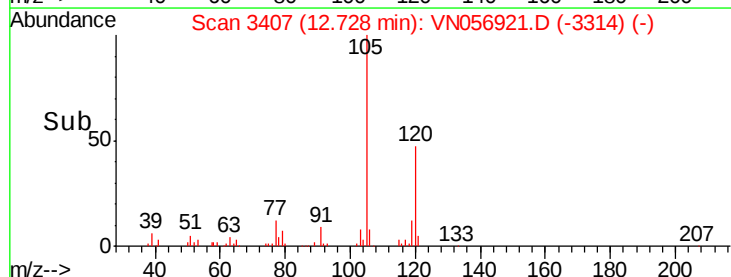
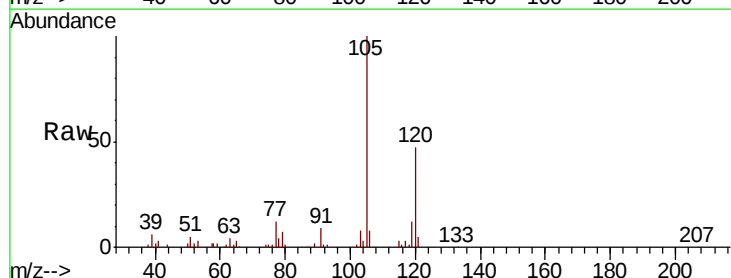
Acq: 25 Jul 2019 14:28

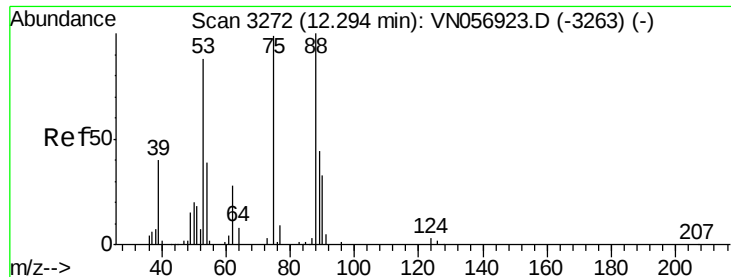
Tgt Ion: 105 Resp: 74746

Ion Ratio Lower Upper

105 100

120 48.4 24.9 74.7

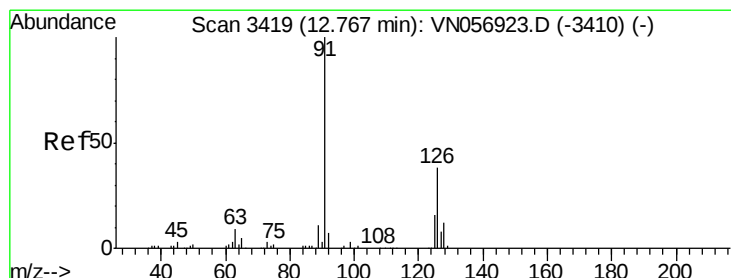
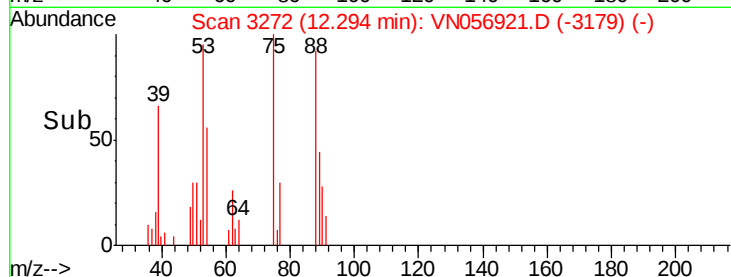
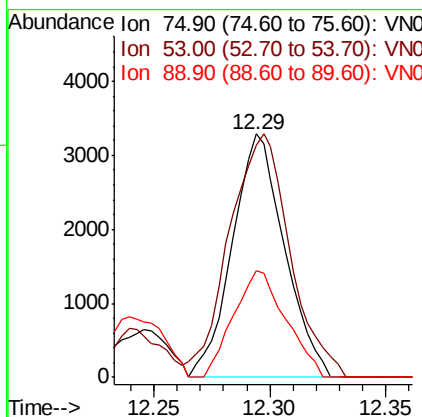
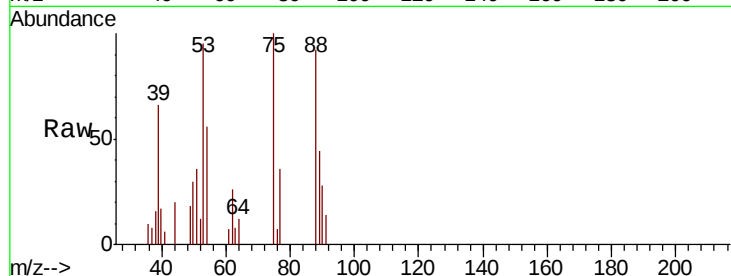




#81
trans-1,4-Dichloro-2-butene
Concen: 4.854 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

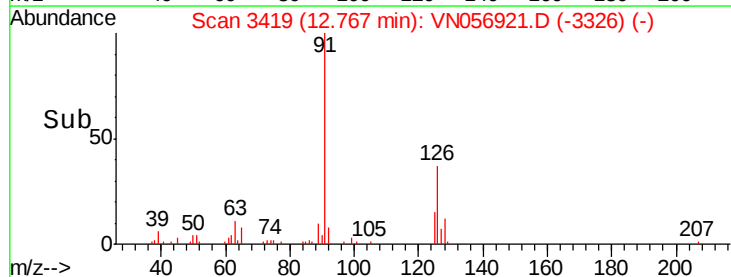
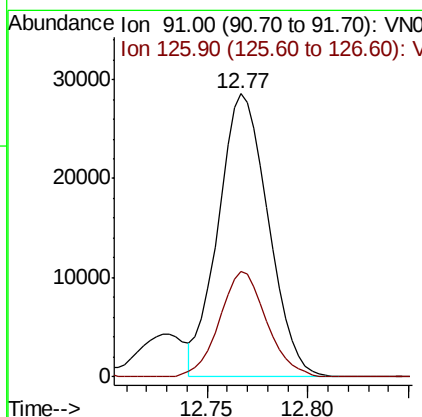
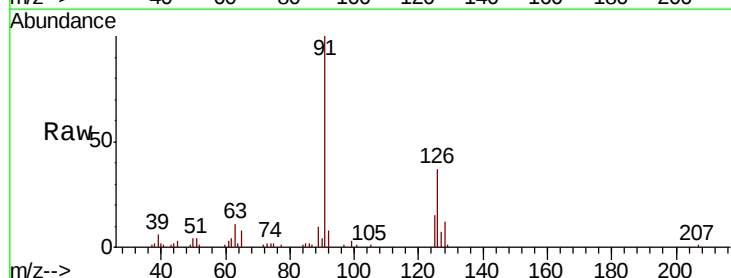
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

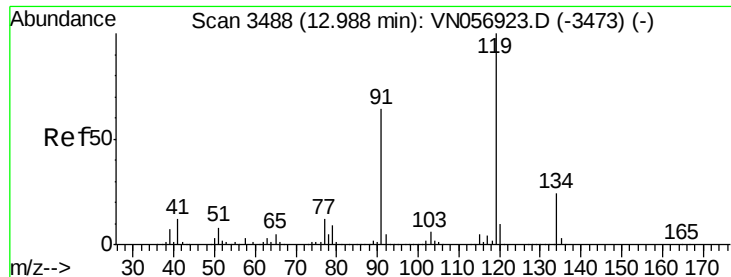
Tot Ion: 75 Resp: 5143
Ion Ratio Lower Upper
75 100
53 116.4 72.3 108.5#
89 43.9 36.2 54.2



#82
4-Chlorotoluene
Concen: 5.473 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion: 91 Resp: 49410
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7





#83

tert-Butylbenzene

Concen: 6.208 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

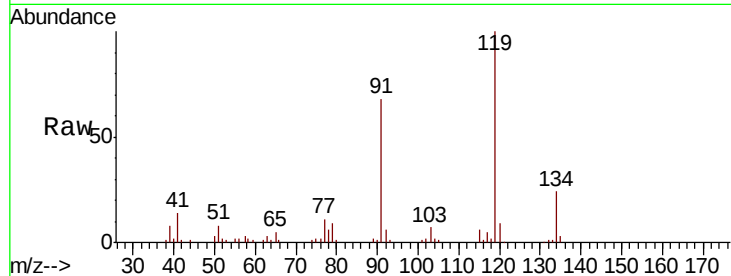
Tot Ion:119 Resp: 65311

Ion Ratio Lower Upper

119 100

91 66.5 31.6 95.0

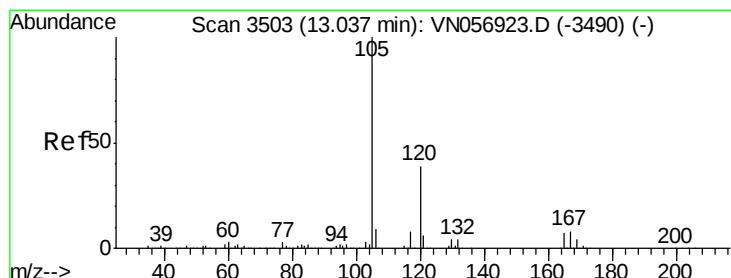
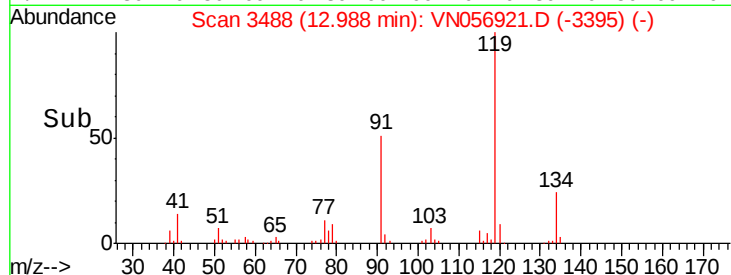
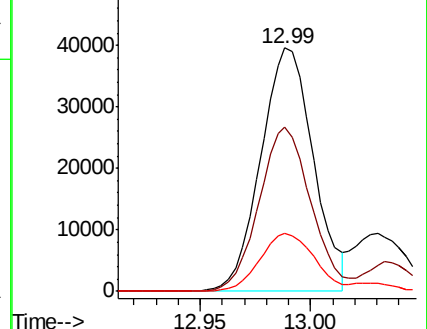
134 24.7 13.2 39.5



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: 5.981 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN056921.D

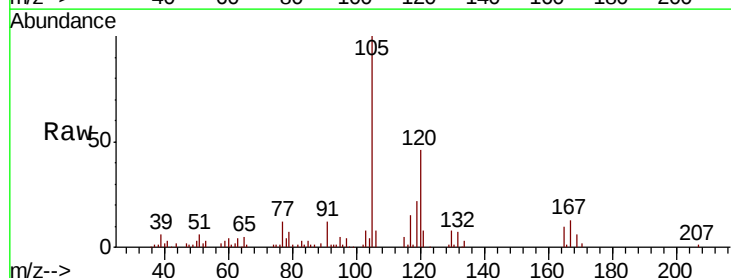
Acq: 25 Jul 2019 14:28

Tgt Ion:105 Resp: 68478

Ion Ratio Lower Upper

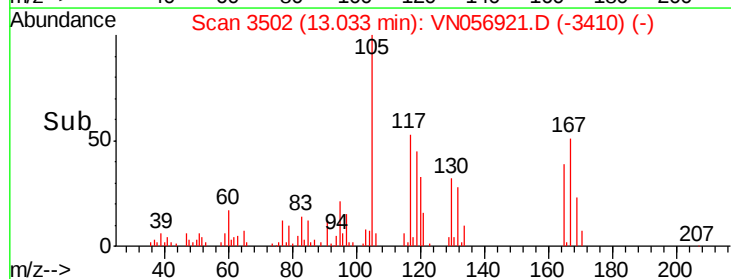
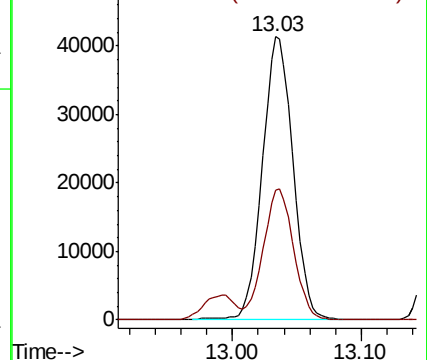
105 100

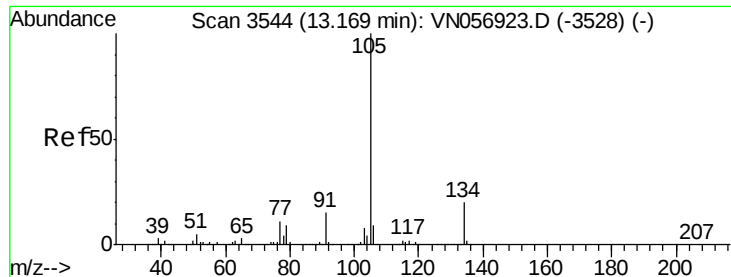
120 45.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.078 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

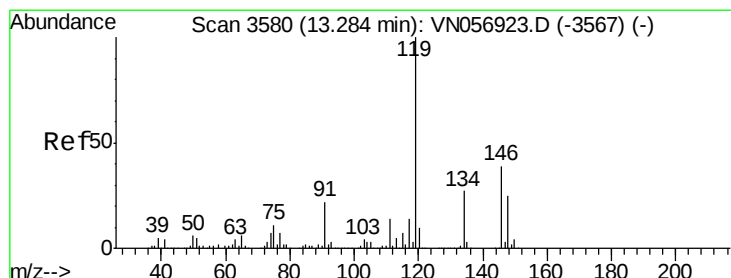
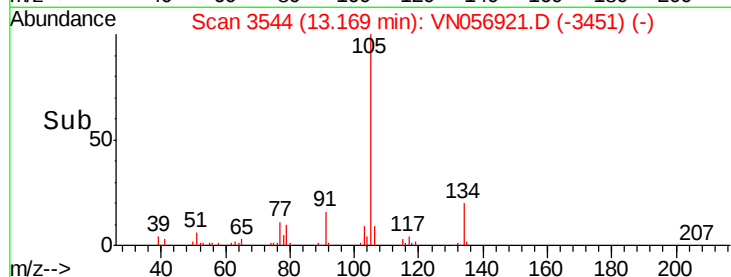
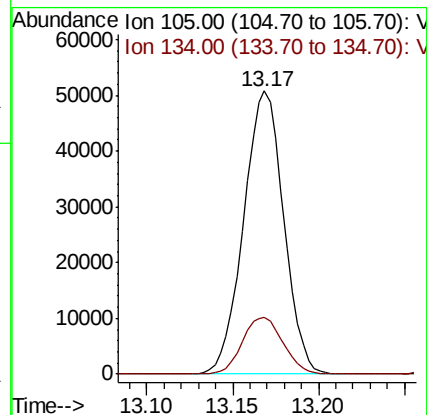
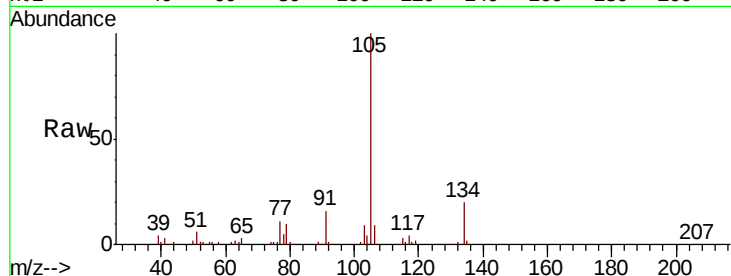
VSTDIC005

Tot Ion:105 Resp: 81823

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 5.709 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

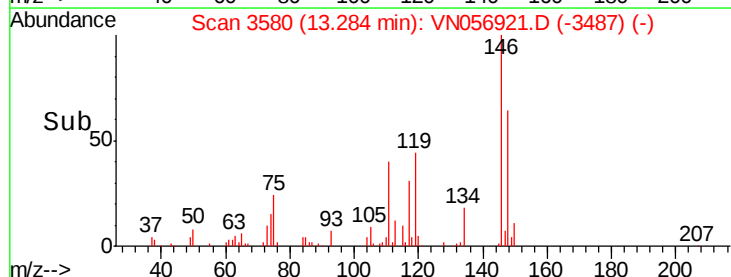
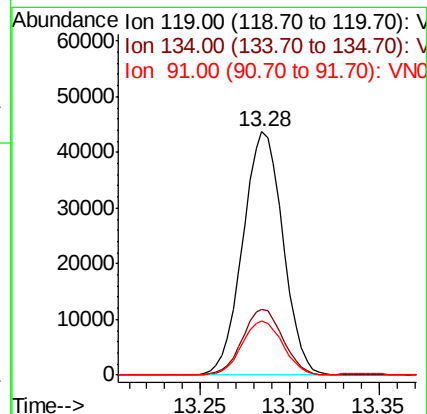
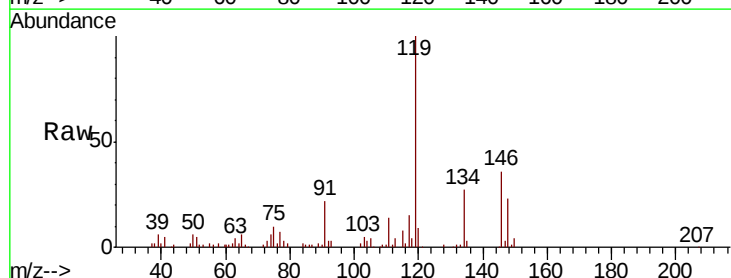
Tgt Ion:119 Resp: 68572

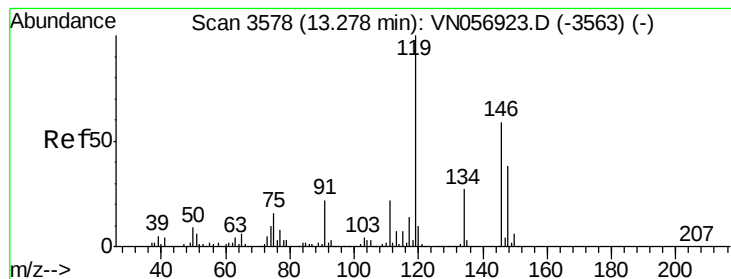
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.6 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 5.115 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

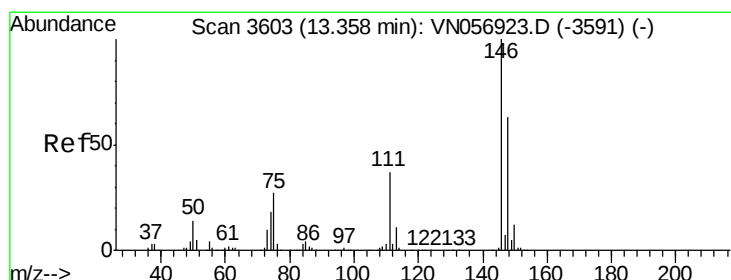
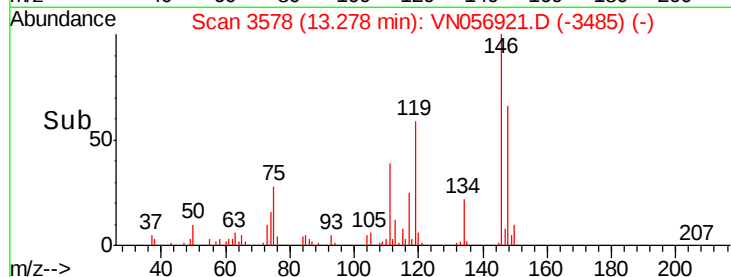
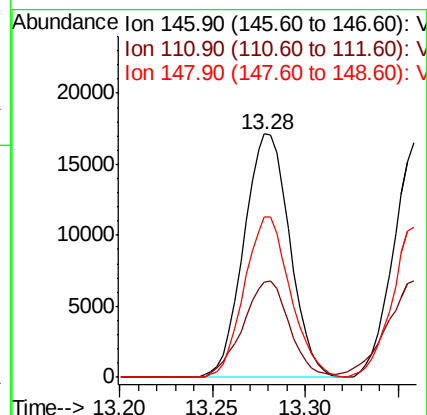
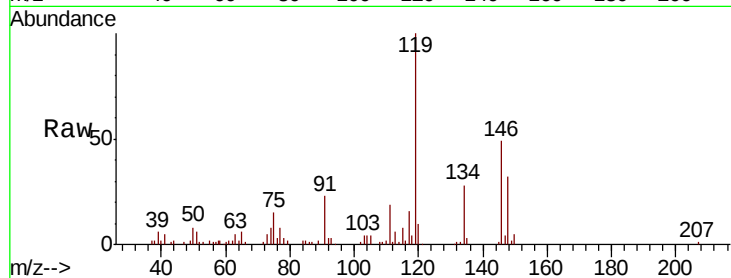
Tot Ion:146 Resp: 29550

Ion Ratio Lower Upper

146 100

111 40.1 18.6 56.0

148 66.2 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 5.004 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

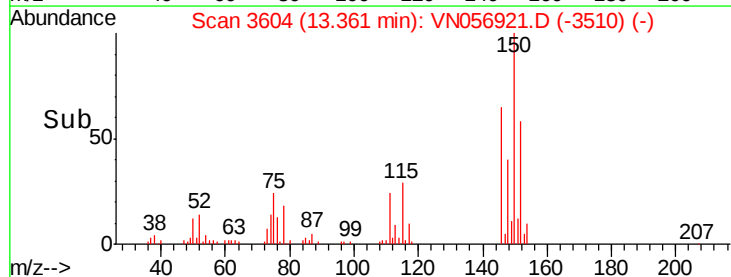
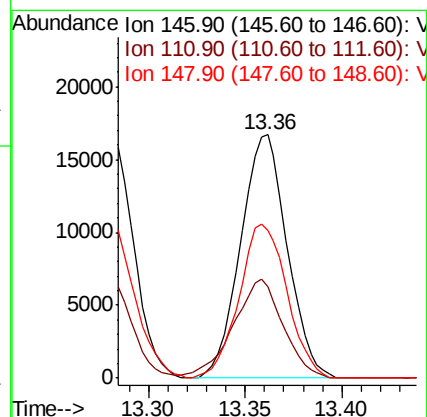
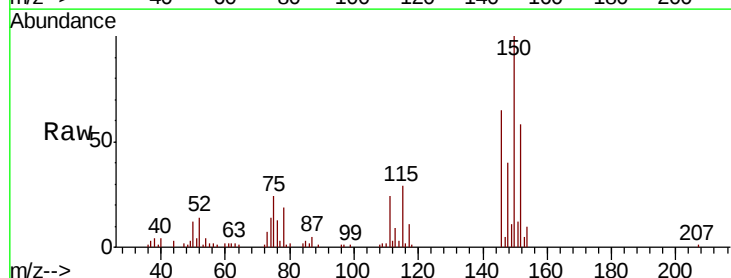
Tgt Ion:146 Resp: 27966

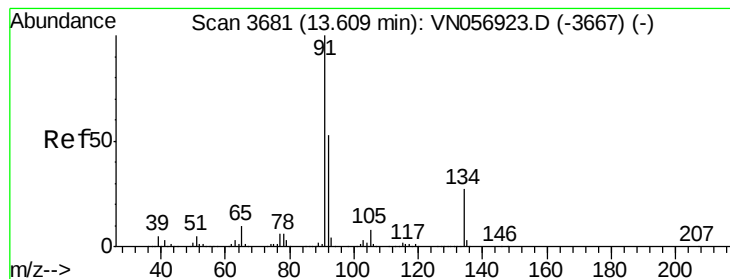
Ion Ratio Lower Upper

146 100

111 43.6 18.9 56.5

148 65.1 32.1 96.3





#89

n-Butylbenzene

Concen: 5.425 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

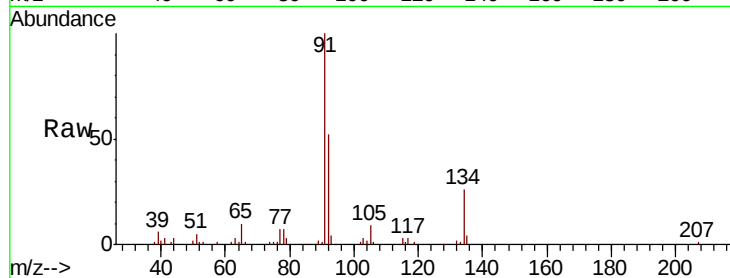
Tot Ion: 91 Resp: 49945

Ion Ratio Lower Upper

91 100

92 51.3 26.5 79.5

134 26.3 13.5 40.5

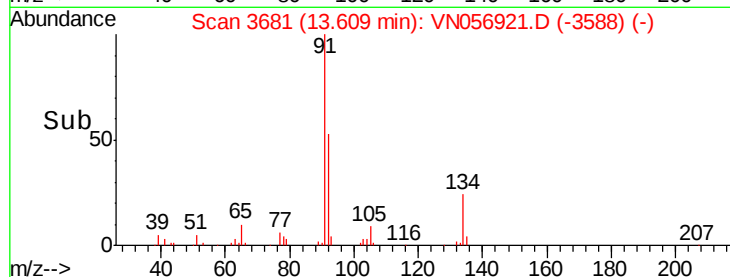


Abundance Ion 91.00 (90.70 to 91.70): VN056921.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056921.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056921.D (-3667) (-)

Time-->

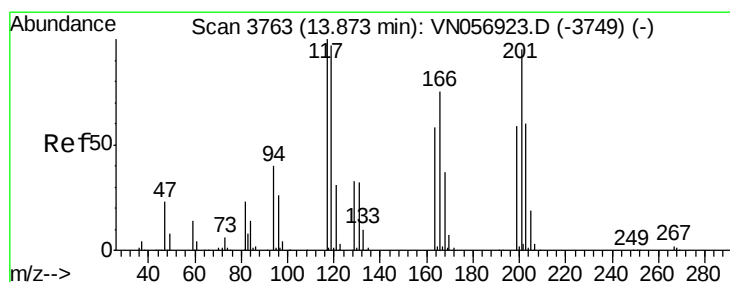


Abundance Ion 91.00 (90.70 to 91.70): VN056921.D (-3588) (-)

Ion 92.00 (91.70 to 92.70): VN056921.D (-3588) (-)

Ion 134.00 (133.70 to 134.70): VN056921.D (-3588) (-)

Time-->



#90

Hexachloroethane

Concen: 6.108 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056921.D

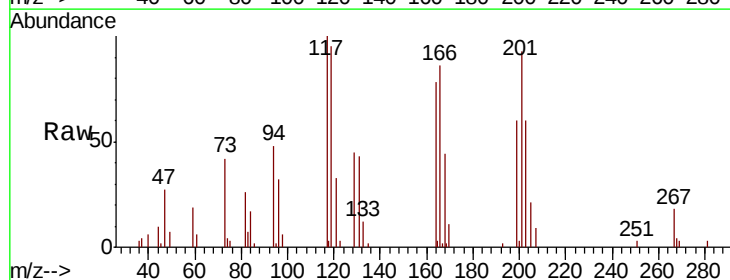
Acq: 25 Jul 2019 14:28

Tgt Ion: 117 Resp: 12688

Ion Ratio Lower Upper

117 100

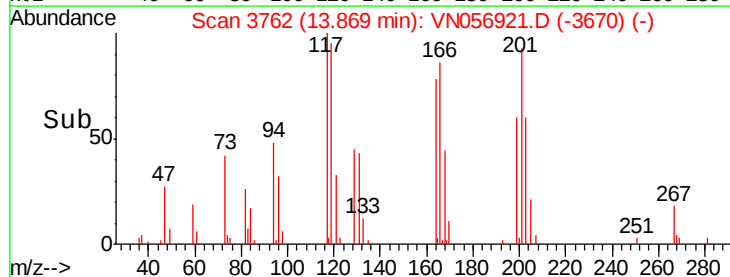
201 90.3 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN056921.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056921.D (-3749) (-)

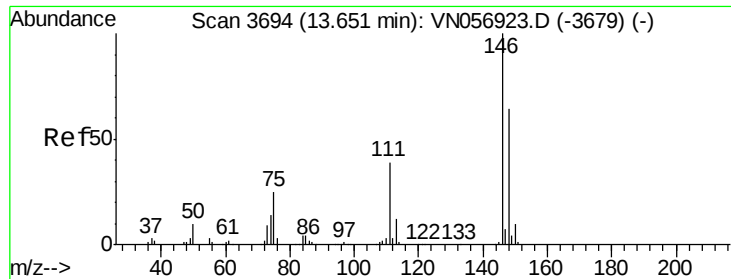
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN056921.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN056921.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 5.347 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

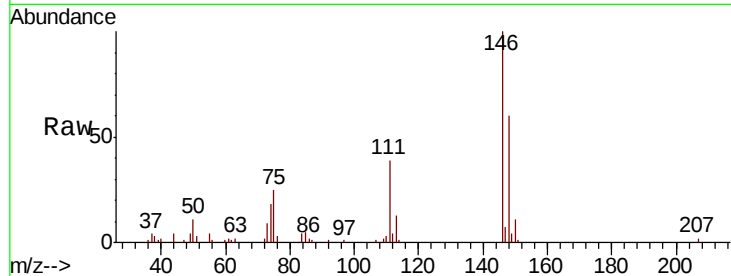
Tot Ion:146 Resp: 30967

Ion Ratio Lower Upper

146 100

111 40.1 19.6 58.8

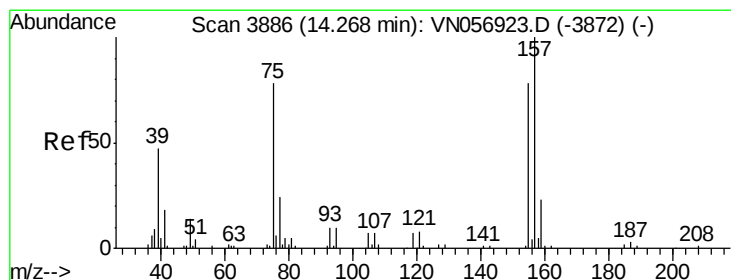
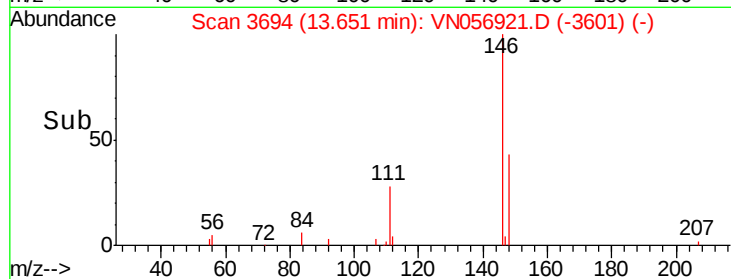
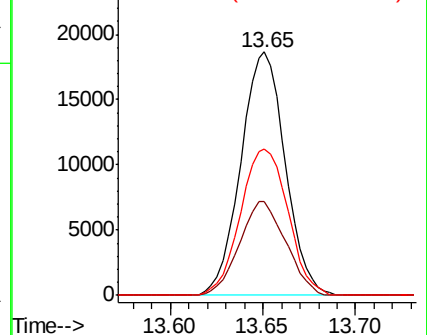
148 64.3 32.2 96.6



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: 5.355 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN056921.D

Acq: 25 Jul 2019 14:28

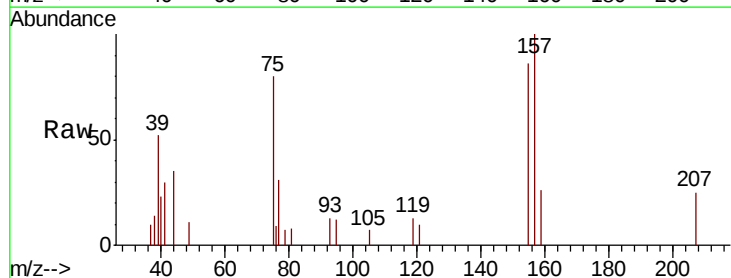
Tgt Ion: 75 Resp: 3358

Ion Ratio Lower Upper

75 100

155 92.2 47.3 141.9

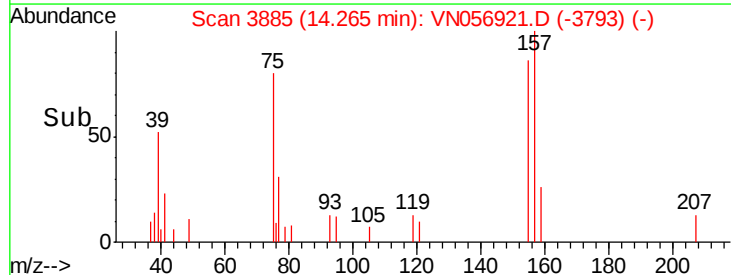
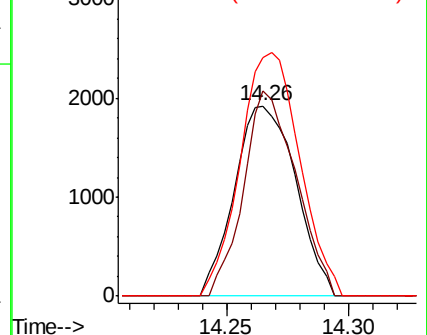
157 124.1 63.0 189.0

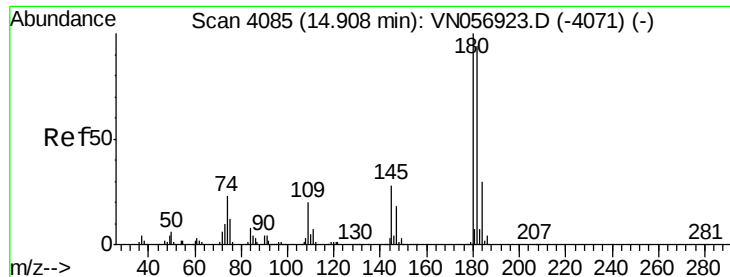


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

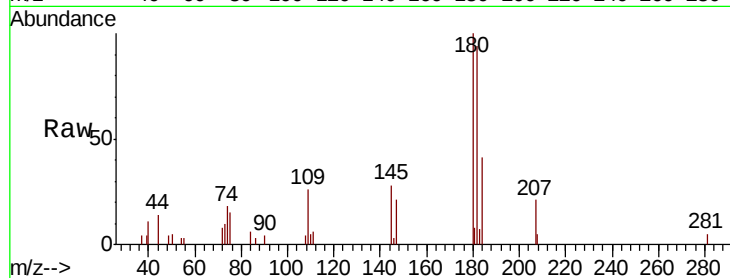




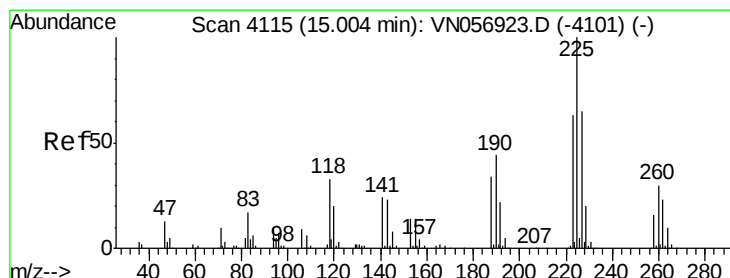
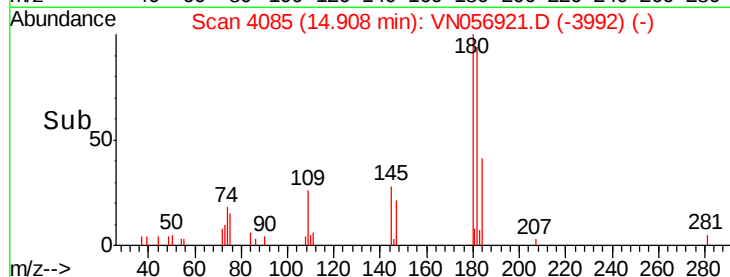
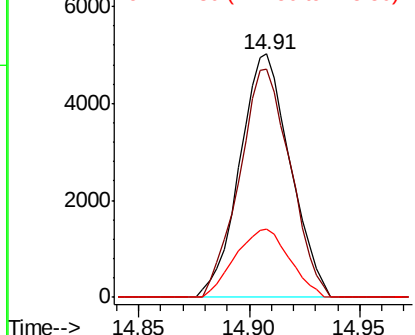
#93
 1,2,4-Trichlorobenzene
 Concen: 3.202 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 7976
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.9 143.8
 145 30.1 14.1 42.4

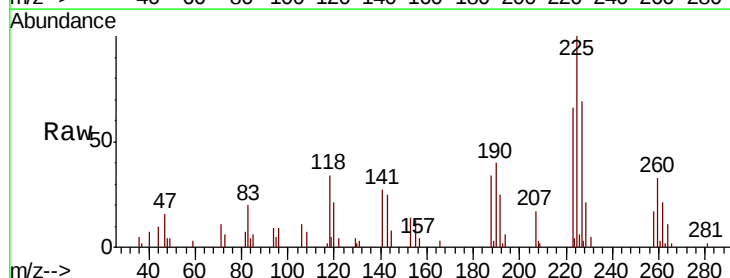


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

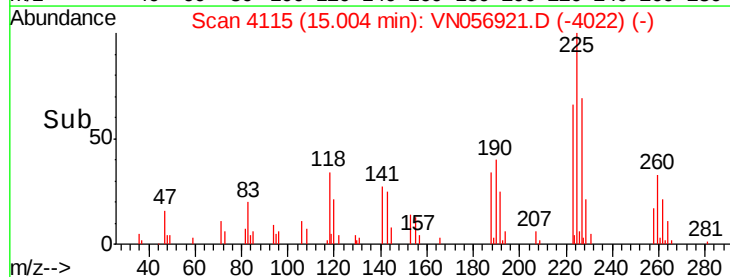
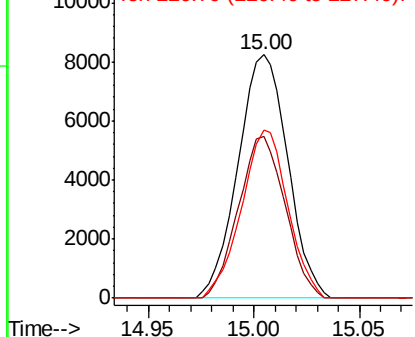


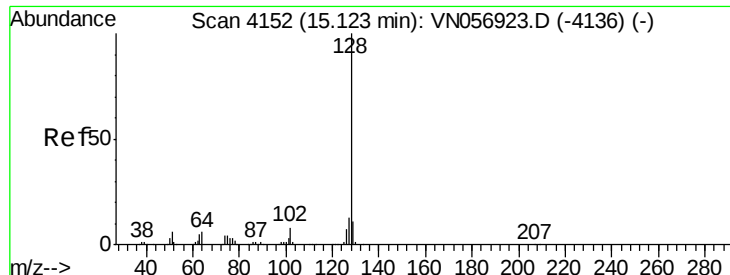
#94
 Hexachlorobutadiene
 Concen: 5.916 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056921.D
 Acq: 25 Jul 2019 14:28

Tgt Ion:225 Resp: 13471
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.9
 227 64.4 31.9 95.7



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

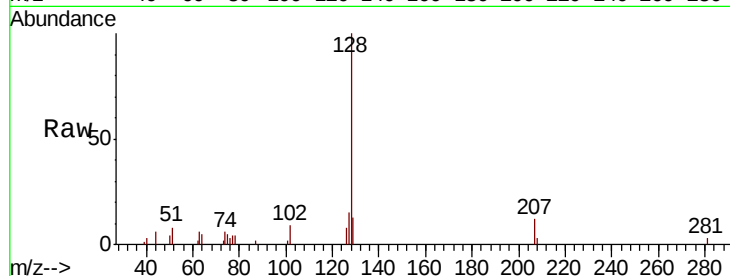




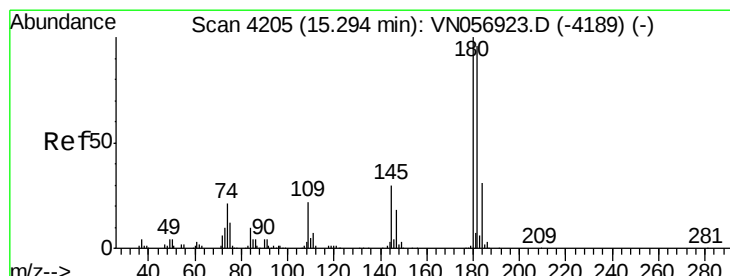
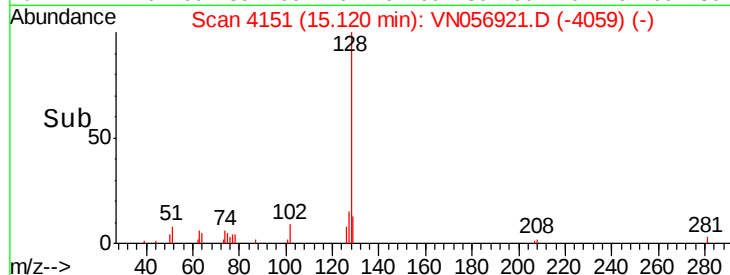
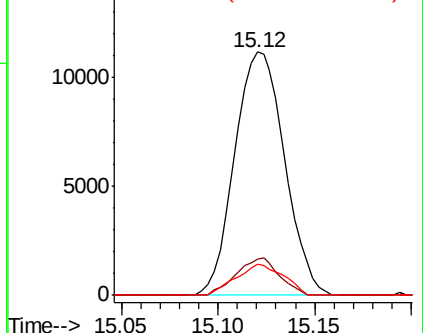
#95
Naphthalene
Concen: 3.054 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 19946
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 12.1 8.6 13.0

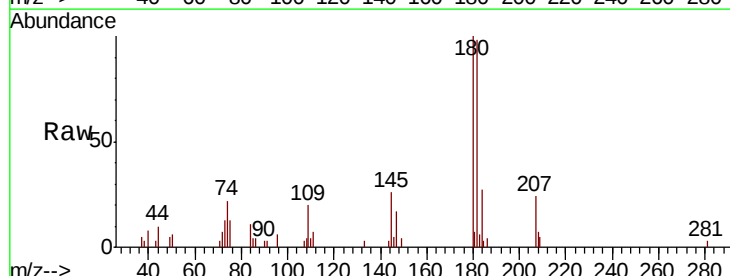


Abundance Ion 128.00 (127.70 to 128.70): V
15000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.705 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN056921.D
Acq: 25 Jul 2019 14:28

Tgt Ion:180 Resp: 10199
Ion Ratio Lower Upper
180 100
182 98.1 48.4 145.3
145 28.1 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
8000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

