

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
 Data File : VL032208.D
 Acq On : 5 Jul 2018 18:06
 Operator : SY/AP
 Sample : J3867-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 539B

Quant Time: Jul 06 04:29:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1519972	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3991850	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4032210	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3214817	10.43	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

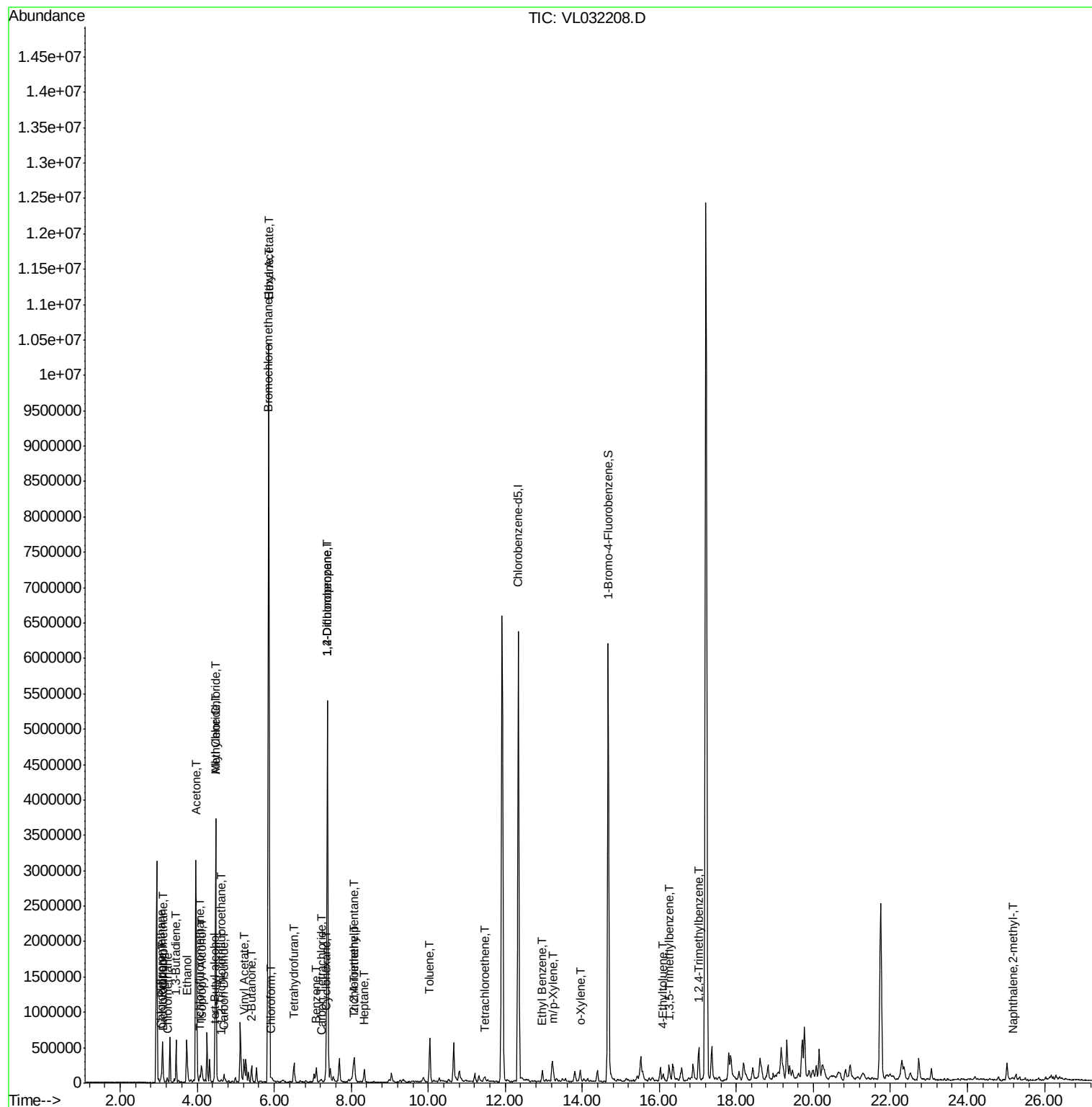
						Qvalue
2) Dichlorodifluoromethane	3.13	85	43837	0.219	ppbv	96
3) Chlorodifluoromethane	3.07	51	143642	0.773	ppbv	94
4) Chloromethane	3.23	50	55349	0.558	ppbv	93
9) Propene	3.10	41	126849	1.465	ppbv #	83
10) Heptane	8.34	43	42481	0.168	ppbv #	43
11) Trichlorofluoromethane	4.07	101	59576	0.275	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.62	101	9797	0.068	ppbv	94
13) Ethanol	3.73	45	719667	27.426	ppbv	100
15) Acetone	3.96	43	3488282	19.627	ppbv	98
16) 1,3-Butadiene	3.45	39	73041	0.861	ppbv #	7
17) tert-Butyl alcohol	4.44	59	15851	0.140	ppbv #	73
19) Isopropyl Alcohol	4.11	45	267744	1.813	ppbv #	1
20) Methylene Chloride	4.48	84	1303225	20.065	ppbv	96
21) Allyl Chloride	4.48	41	51738	0.426	ppbv #	37
23) Vinyl Acetate	5.22	43	77091	0.239	ppbv #	40
25) Ethyl Acetate	5.86	43	2891288	7.863	ppbv #	77
26) Hexane	5.86	57	4119632	24.329	ppbv #	45
27) Carbon Disulfide	4.69	76	117431	0.698	ppbv #	86
29) Chloroform	5.93	83	14824	0.060	ppbv	97
30) Cyclohexane	7.34	84	47173	0.296	ppbv #	85
34) 2-Butanone	5.41	43	263031	1.038	ppbv	99
35) Carbon Tetrachloride	7.23	117	8375	0.031	ppbv #	92
36) Benzene	7.09	78	148062	0.383	ppbv	99
38) Trichloroethene	8.05	130	54939	0.364	ppbv	99
39) 1,2-Dichloropropane	7.38	63	1105677	7.256	ppbv #	27
41) Tetrahydrofuran	6.51	42	34332	0.226	ppbv #	37
44) 2,2,4-Trimethylpentane	8.08	57	282516	0.418	ppbv #	82
52) Tetrachloroethene	11.47	164	5630	0.040	ppbv #	29
53) Toluene	10.04	91	432676	0.927	ppbv	97
58) Ethyl Benzene	12.97	91	57562	0.089	ppbv	93
59) m/p-Xylene	13.25	91	62763	0.120	ppbv #	29
60) o-Xylene	13.95	91	115564	0.222	ppbv	99
72) 4-Ethyltoluene	16.09	105	22790	0.034	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.25	105	146449	0.232	ppbv	90
74) 1,2,4-Trimethylbenzene	17.02	105	319782	0.501	ppbv #	77
80) Naphthalene,2-methyl-	25.19	142	9808	0.047	ppbv #	90

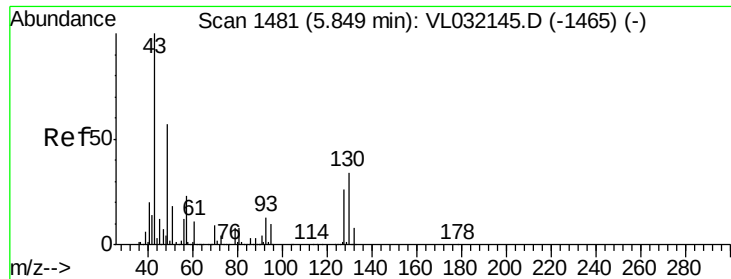
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

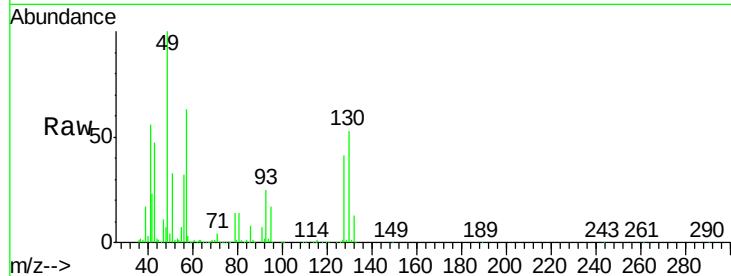
MSVOA_L

ClientSampleId :

539B

Tgt Ion: 49 Resp: 1519972

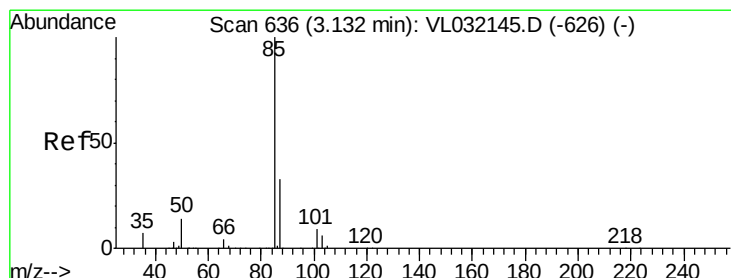
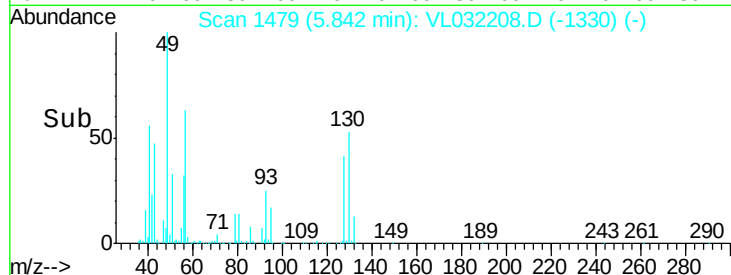
Ion	Ratio	Lower	Upper
49	100		
128	42.3	23.4	70.0
130	54.2	30.3	90.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.219 ppbv

RT: 3.13 min Scan# 636

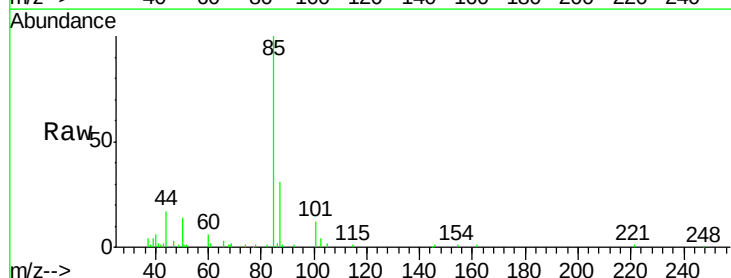
Delta R.T. -0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

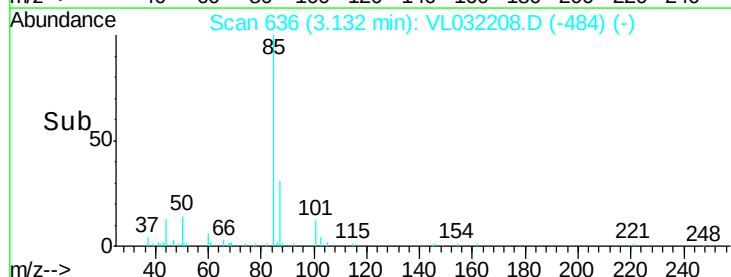
Tgt Ion: 85 Resp: 43837

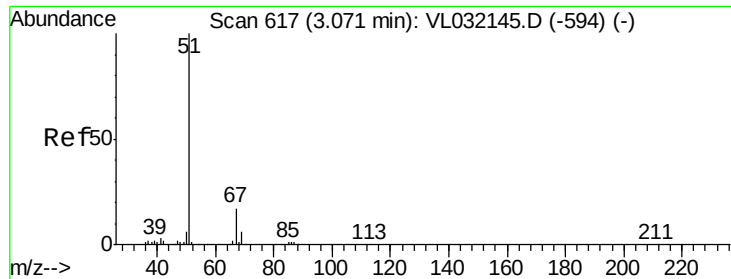
Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.7	40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.773 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

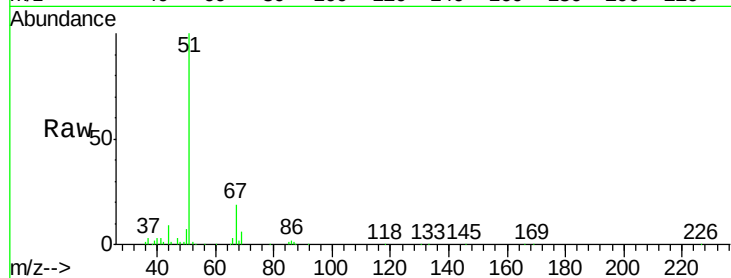
539B

Tgt Ion: 51 Resp: 143642

Ion Ratio Lower Upper

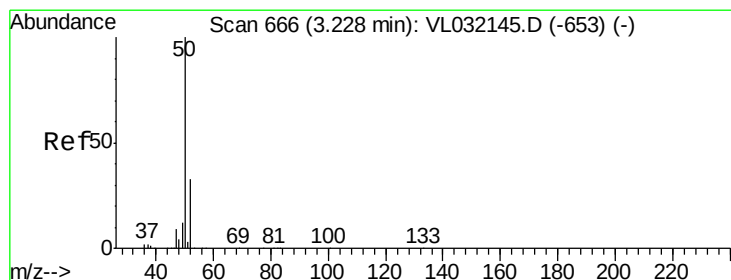
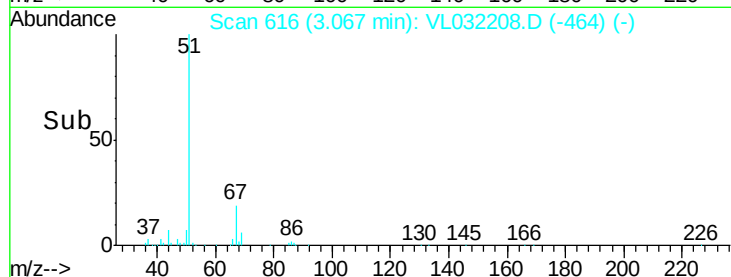
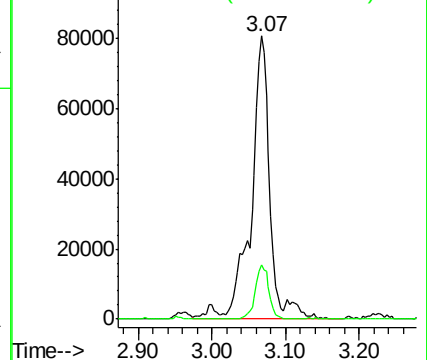
51 100

67 13.7 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.558 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032208.D

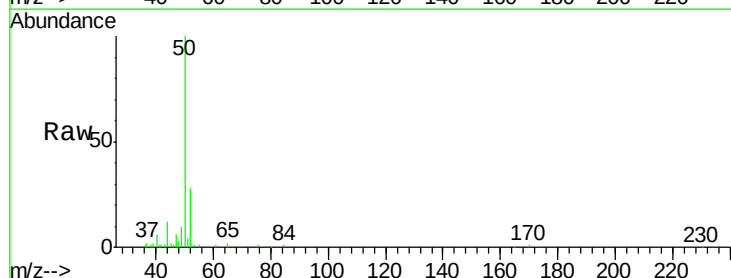
Acq: 5 Jul 2018 18:06

Tgt Ion: 50 Resp: 55349

Ion Ratio Lower Upper

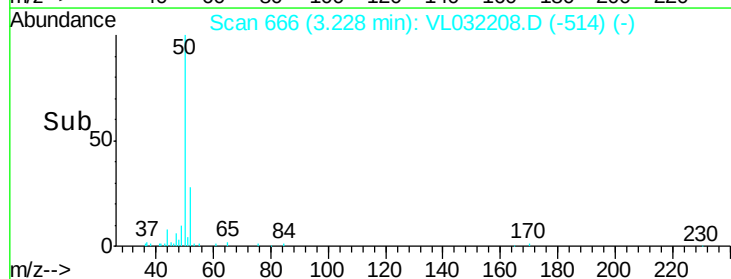
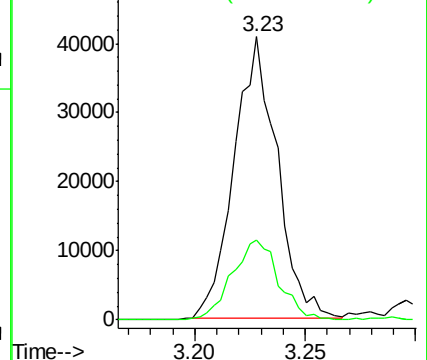
50 100

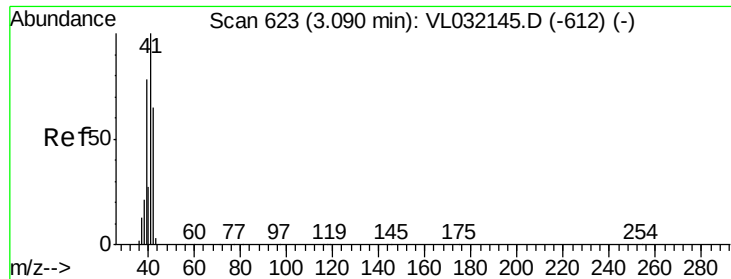
52 28.4 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.465 ppbv

RT: 3.10 min Scan# 625

Delta R.T. -0.00 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

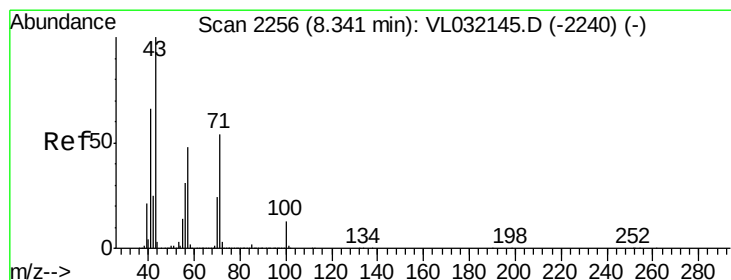
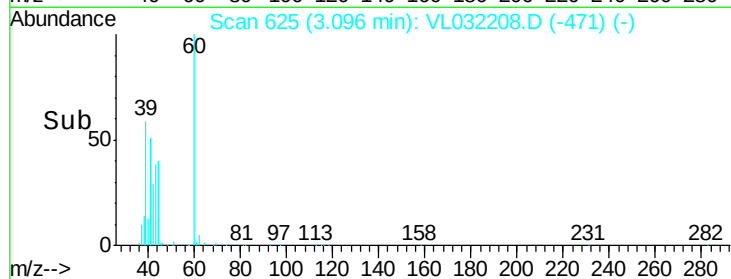
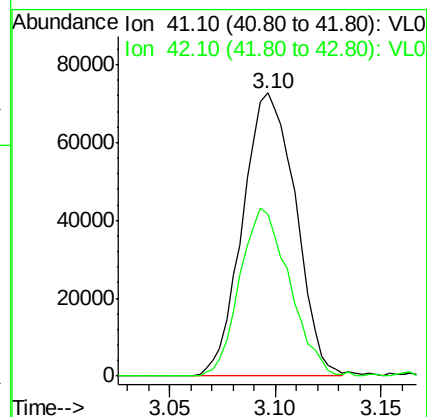
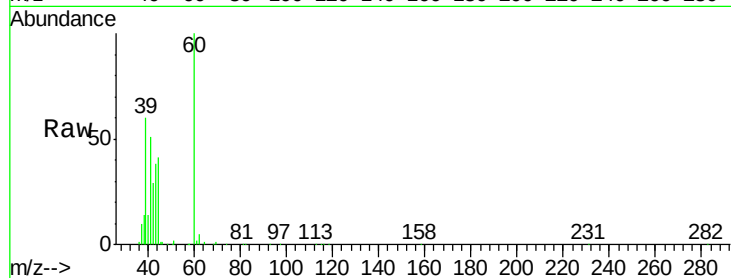
539B

Tgt Ion: 41 Resp: 126849

Ion Ratio Lower Upper

41 100

42 55.9 56.2 84.4#



#10

Heptane

Concen: 0.168 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.02 min

Lab File: VL032208.D

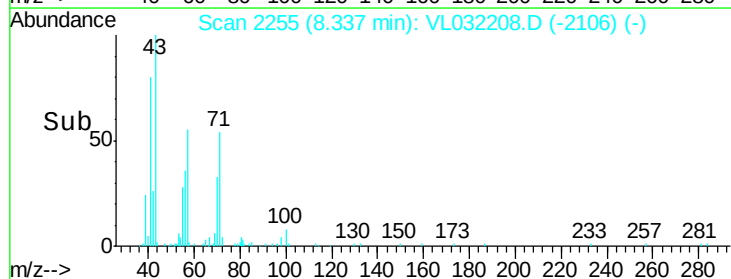
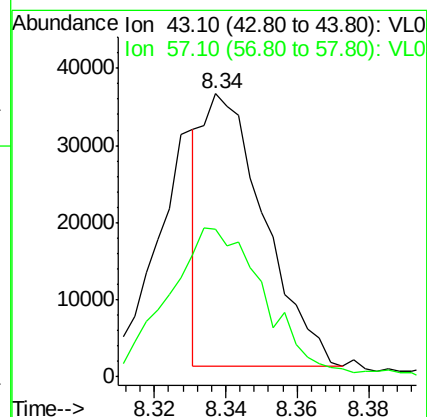
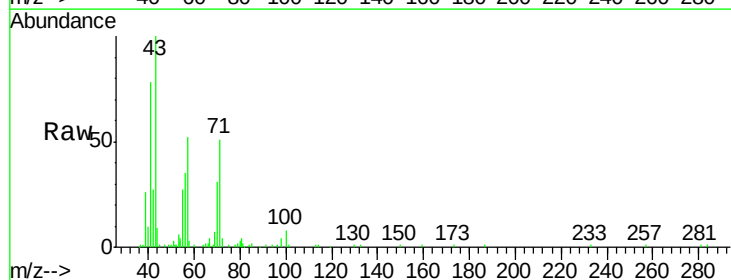
Acq: 5 Jul 2018 18:06

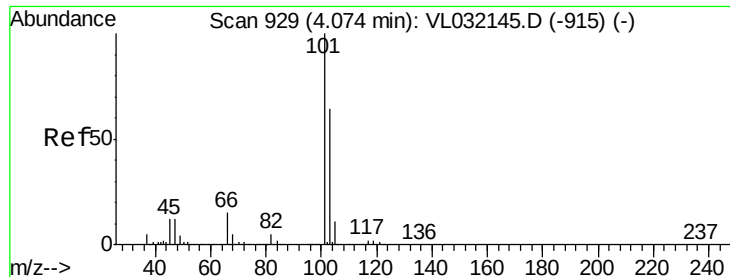
Tgt Ion: 43 Resp: 42481

Ion Ratio Lower Upper

43 100

57 89.0 39.8 59.8#

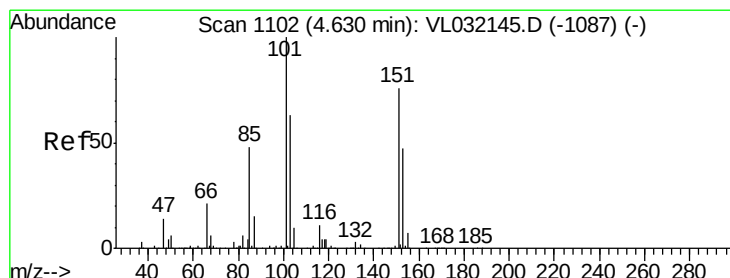
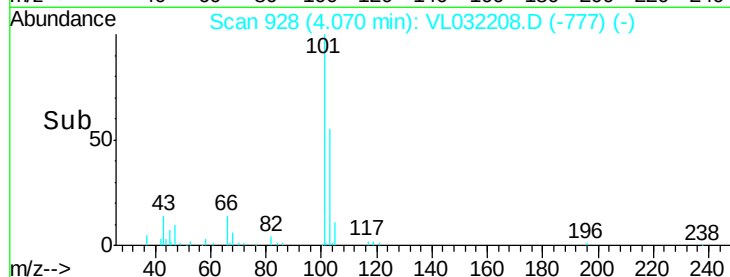
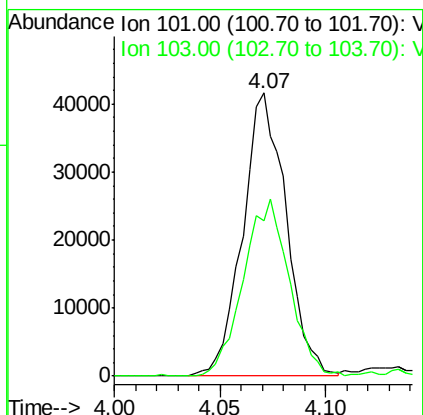
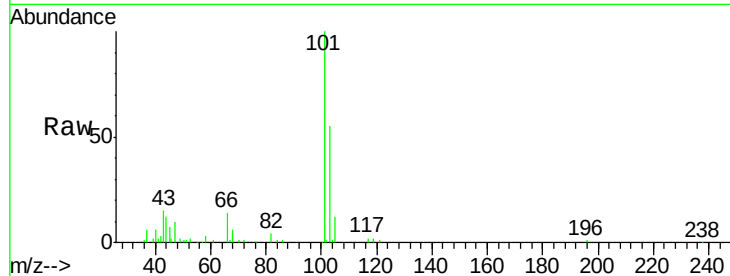




#11
 Trichlorofluoromethane
 Concen: 0.275 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

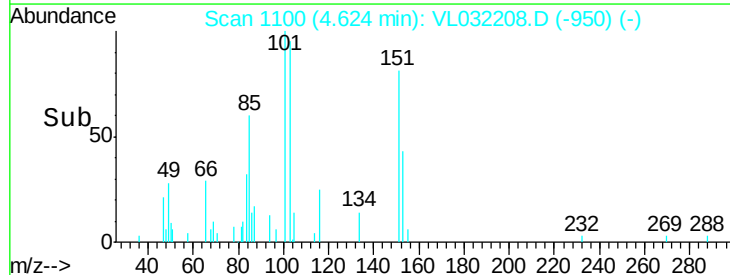
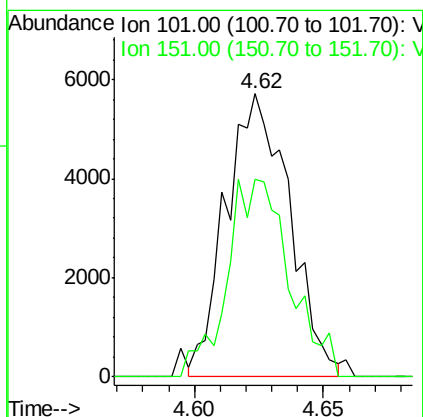
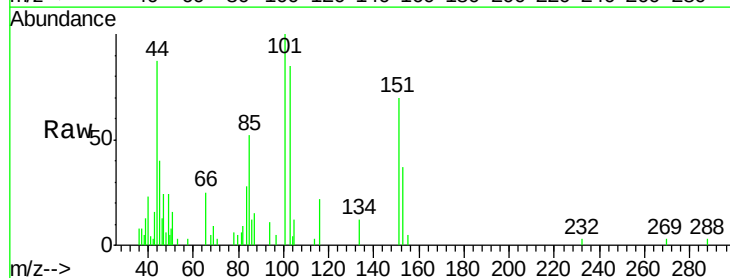
Instrument :
 MSVOA_L
 ClientSampleId :
 539B

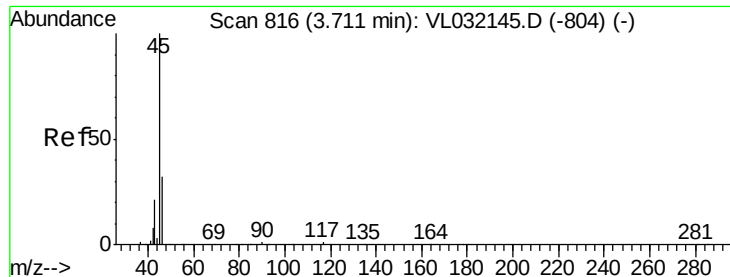
Tgt Ion:101 Resp: 59576
 Ion Ratio Lower Upper
 101 100
 103 54.7 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.068 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

Tgt Ion:101 Resp: 9797
 Ion Ratio Lower Upper
 101 100
 151 68.7 58.8 88.2

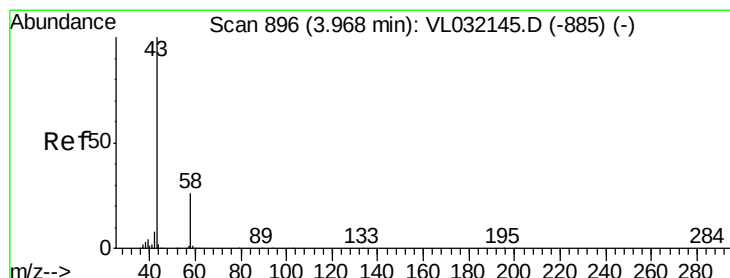
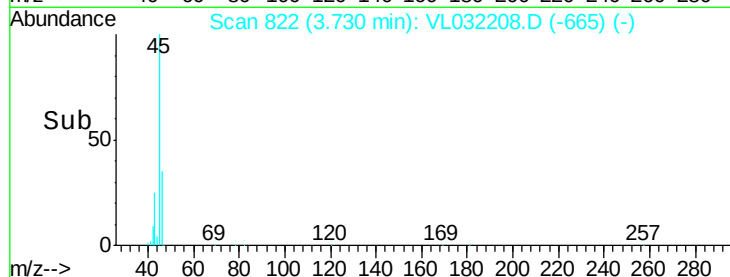
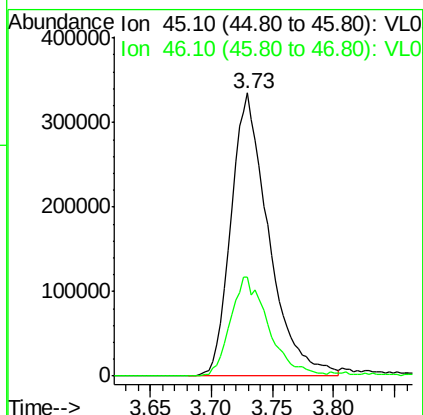
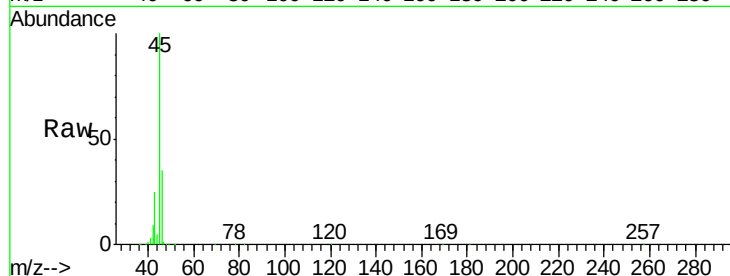




#13
Ethanol
Concen: 27.426 ppbv
RT: 3.73 min Scan# 822
Delta R.T. 0.01 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

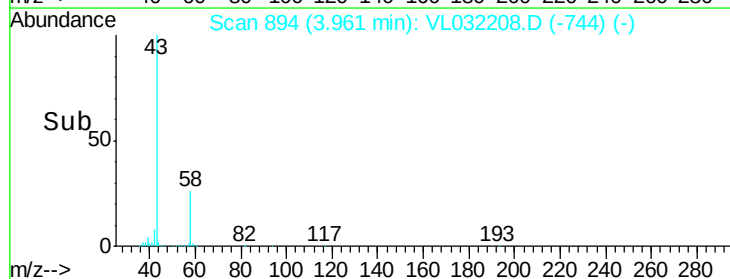
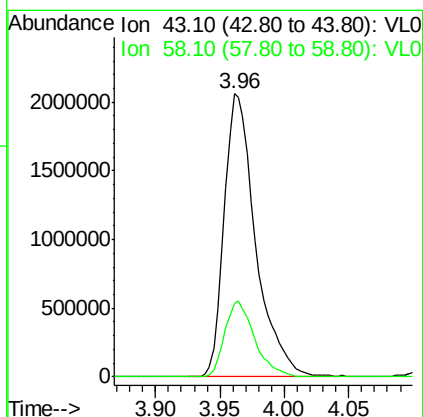
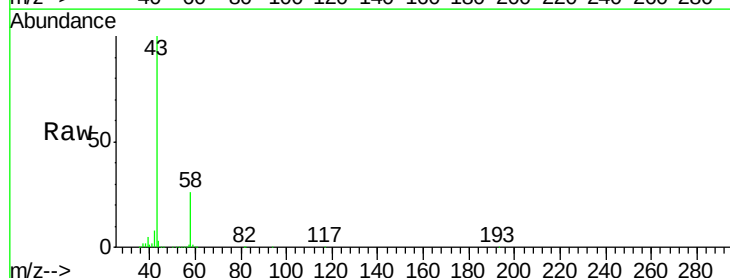
Instrument :
MSVOA_L
ClientSampleId :
539B

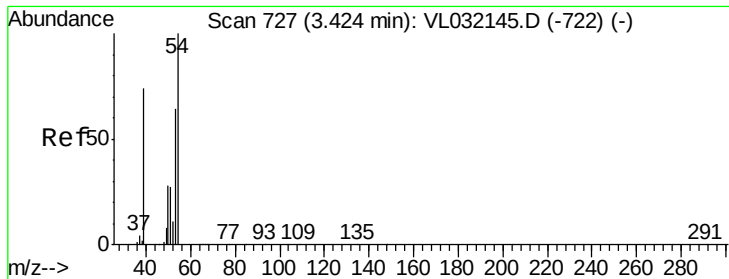
Tgt Ion: 45 Resp: 719667
Ion Ratio Lower Upper
45 100
46 36.5 14.6 58.4



#15
Acetone
Concen: 19.627 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

Tgt Ion: 43 Resp: 3488282
Ion Ratio Lower Upper
43 100
58 25.7 21.4 32.0

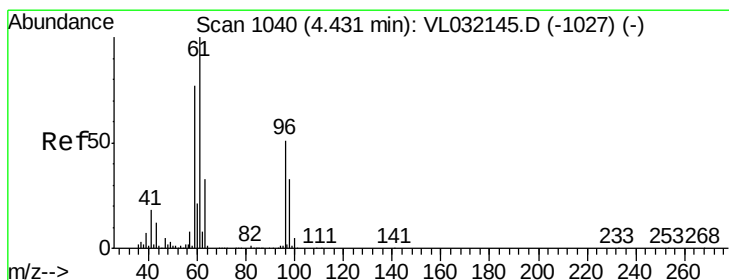
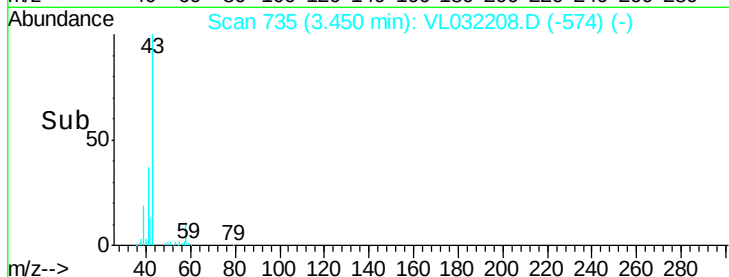
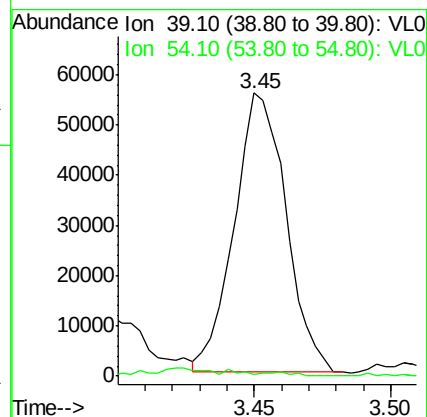
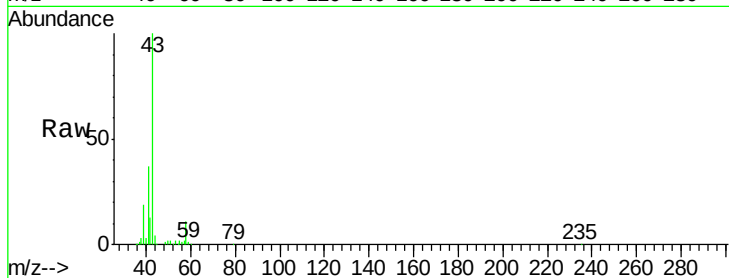




#16
 1,3-Butadiene
 Concen: 0.861 ppbv
 RT: 3.45 min Scan# 735
 Delta R.T. 0.02 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

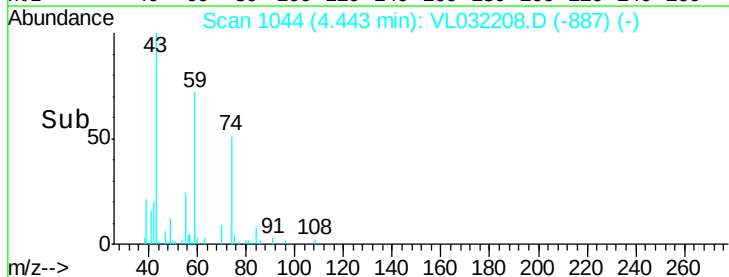
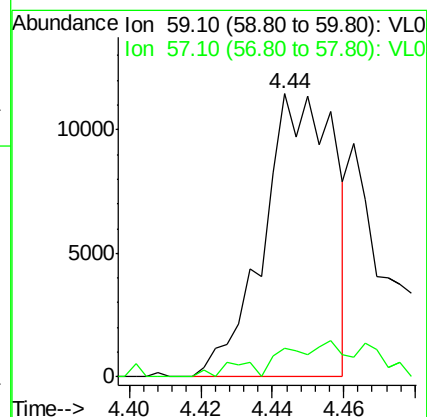
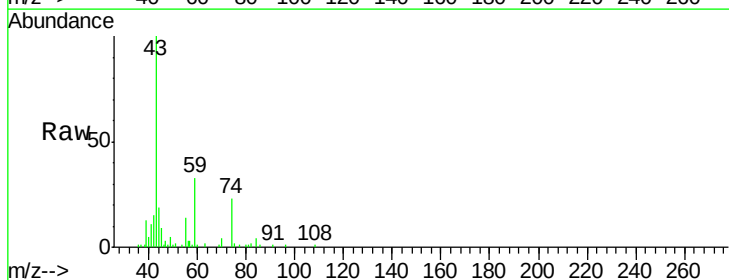
Instrument :
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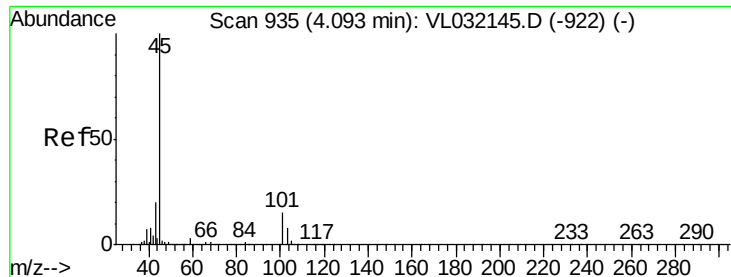
Tgt Ion: 39 Resp: 73041
 Ion Ratio Lower Upper
 39 100
 54 4.5 75.8 113.6#



#17
 tert-Butyl alcohol
 Concen: 0.140 ppbv
 RT: 4.44 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

Tgt Ion: 59 Resp: 15851
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 1.813 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampled :

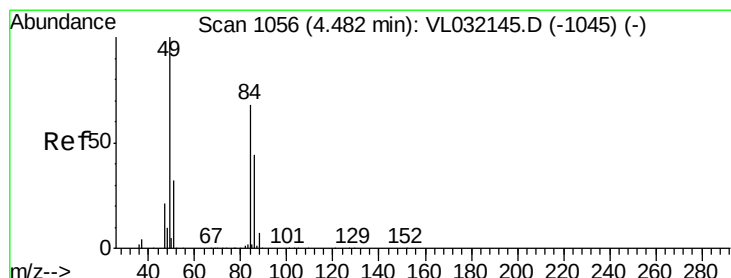
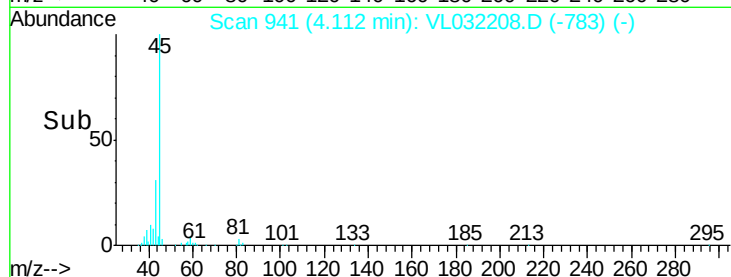
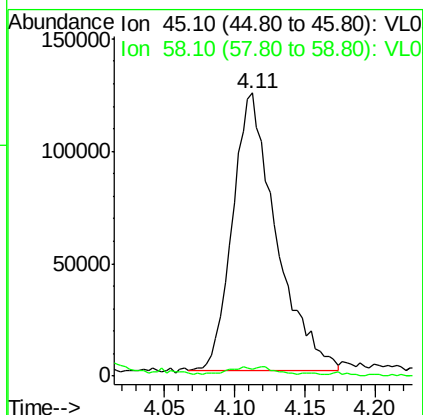
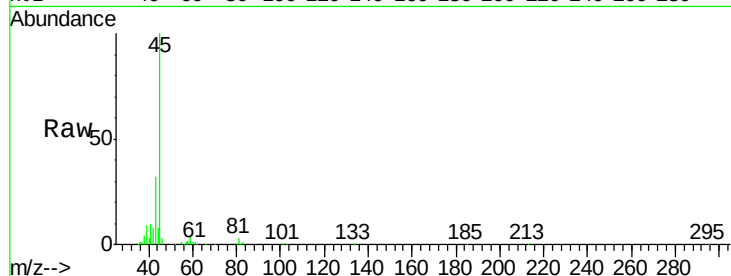
539B

Tgt Ion: 45 Resp: 267744

Ion Ratio Lower Upper

45 100

58 335.3 29.4 44.0#



#20

Methylene Chloride

Concen: 20.065 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Tgt Ion: 84 Resp: 1303225

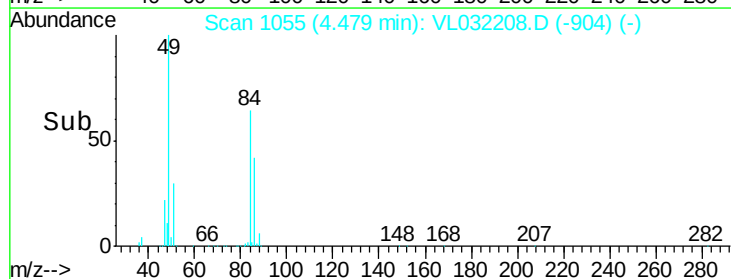
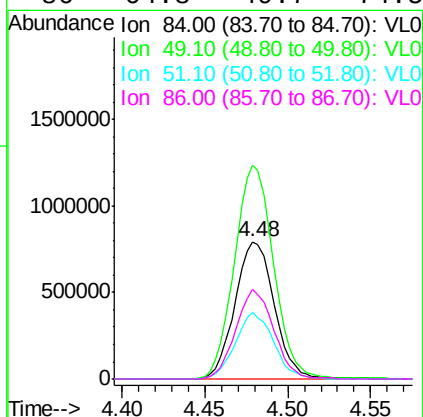
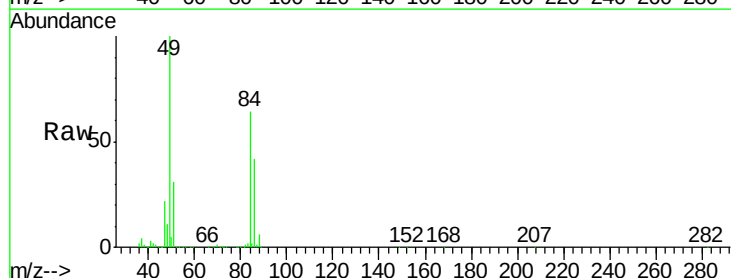
Ion Ratio Lower Upper

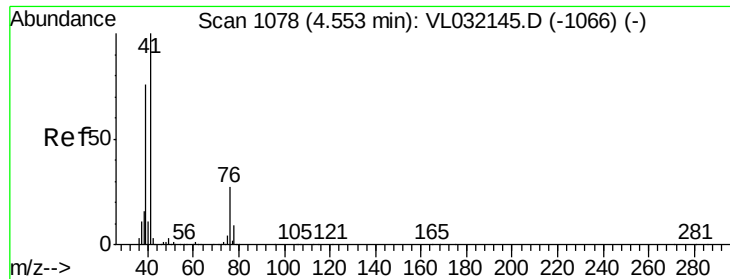
84 100

49 155.5 119.6 179.4

51 48.1 36.3 54.5

86 64.8 49.7 74.5

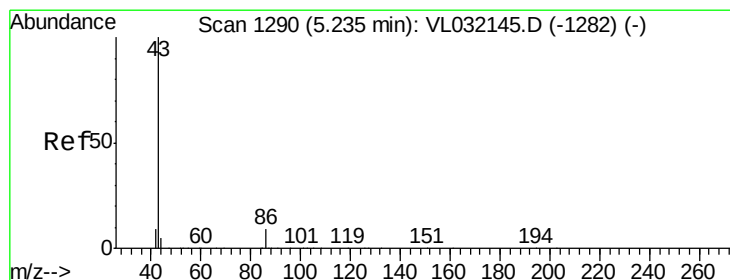
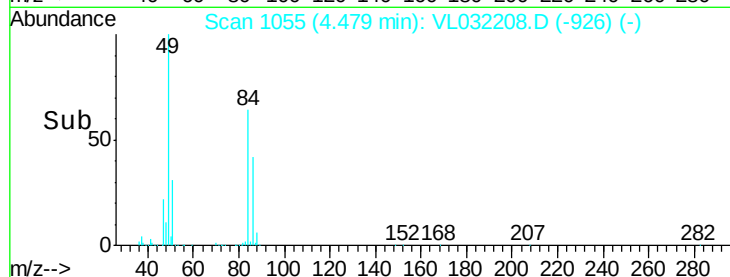
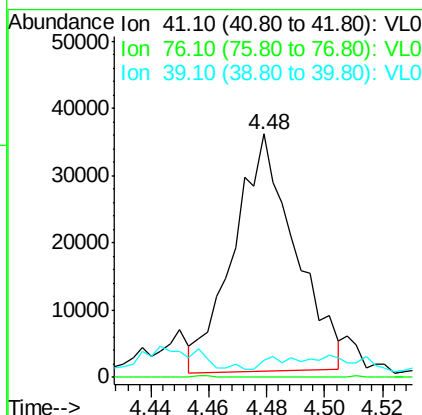
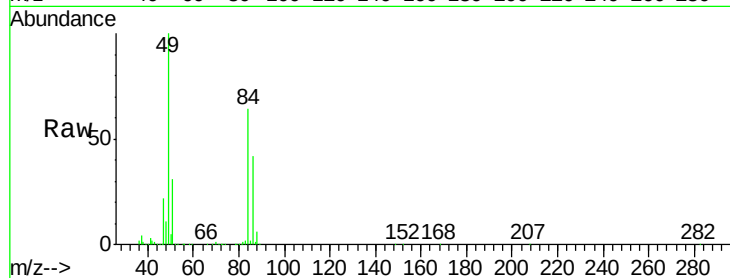




#21
 Allyl Chloride
 Concen: 0.426 ppbv
 RT: 4.48 min Scan# 1055
 Delta R.T. -0.08 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

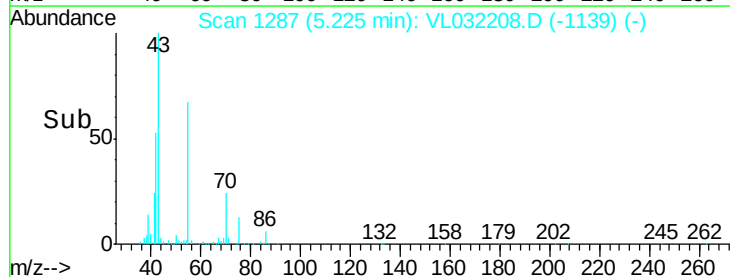
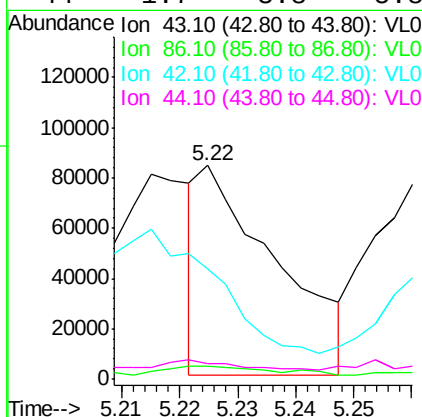
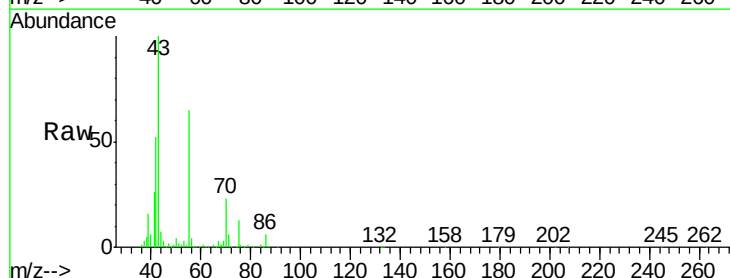
Instrument :
 MSVOA_L
 ClientSampleId :
 539B

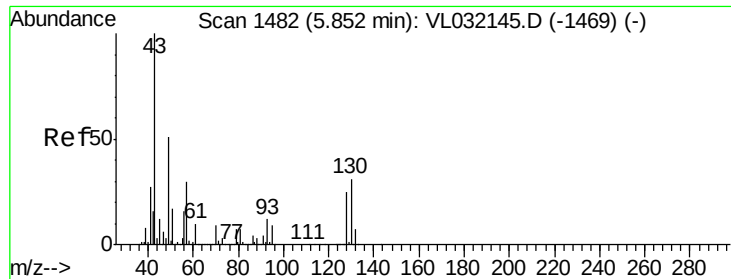
Tgt Ion: 41 Resp: 51738
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 18.5 60.5 90.7#



#23
 Vinyl Acetate
 Concen: 0.239 ppbv
 RT: 5.22 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

Tgt Ion: 43 Resp: 77091
 Ion Ratio Lower Upper
 43 100
 86 6.1 6.2 9.4#
 42 58.0 6.9 10.3#
 44 1.7 3.8 5.8#



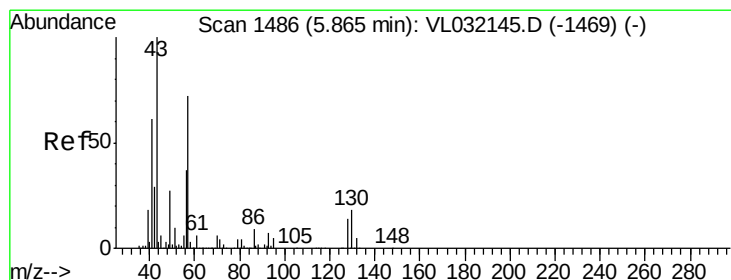
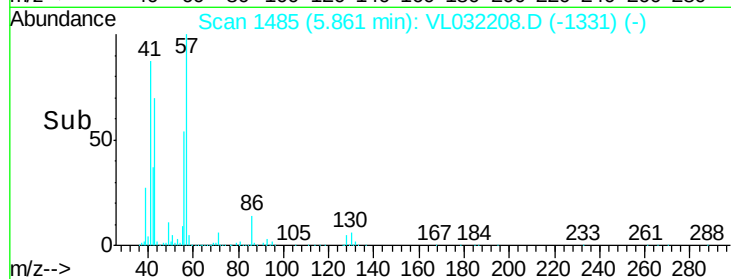
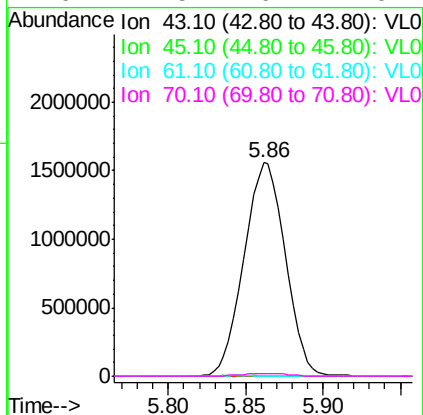
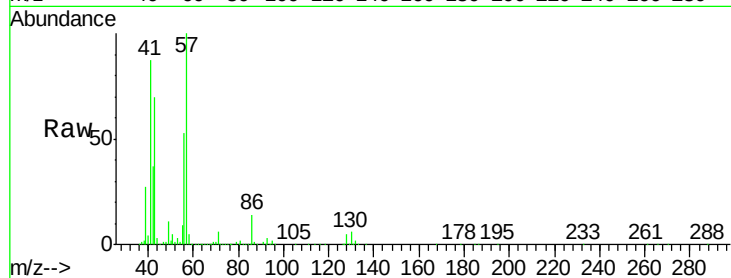


#25
Ethyl Acetate
Concen: 7.863 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

Instrument :
MSVOA_L
ClientSampleId :
539B

Tgt Ion: 43 Resp: 2891288

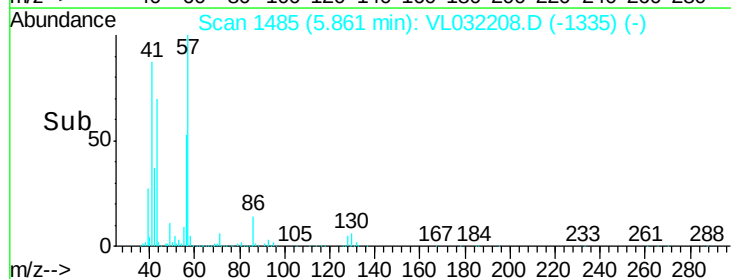
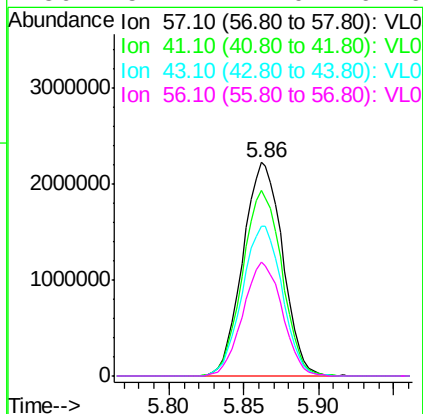
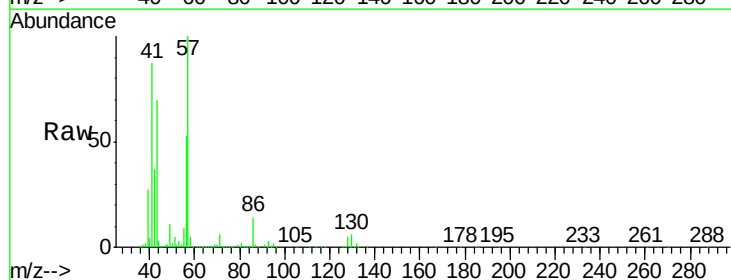
Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.8	11.8#
61	0.4	7.4	11.0#
70	1.5	6.1	9.1#

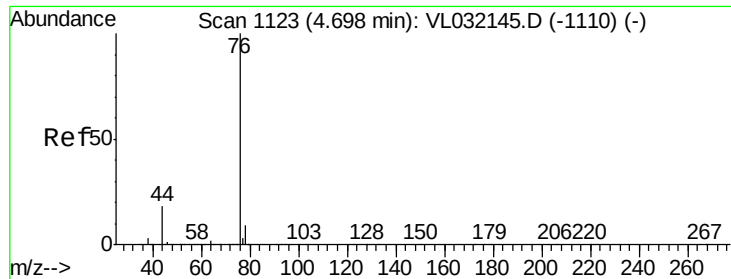


#26
Hexane
Concen: 24.329 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

Tgt Ion: 57 Resp: 4119632

Ion	Ratio	Lower	Upper
57	100		
41	86.2	68.6	103.0
43	70.6	168.6	252.8#
56	52.7	41.0	61.6





#27

Carbon Disulfide

Concen: 0.698 ppbv

RT: 4.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

539B

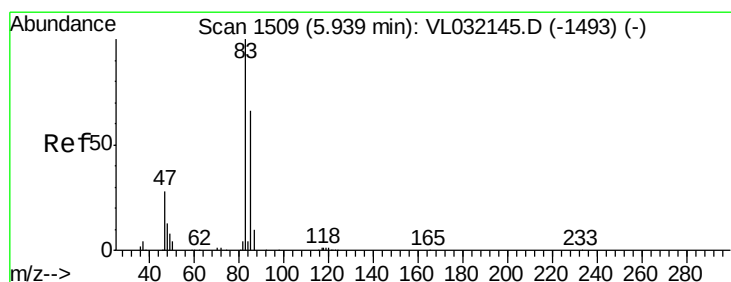
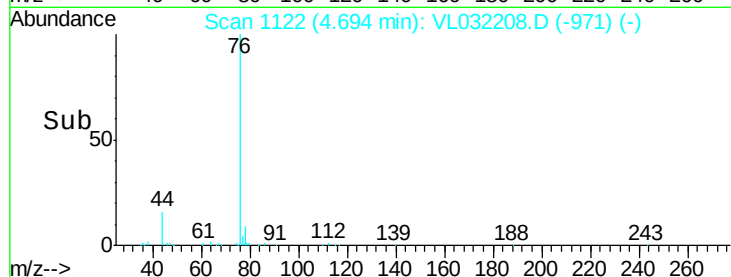
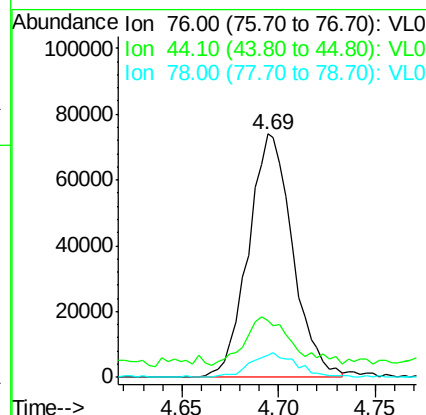
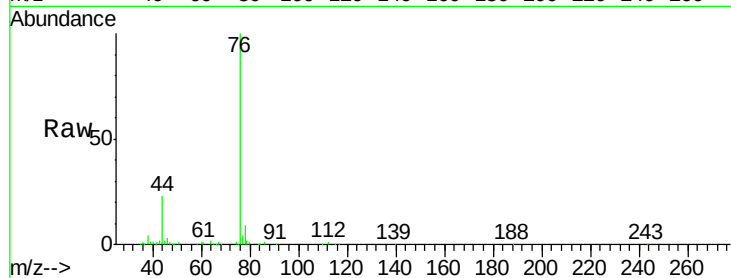
Tgt Ion: 76 Resp: 117431

Ion Ratio Lower Upper

76 100

44 27.4 15.1 22.7#

78 10.8 7.2 10.8



#29

Chloroform

Concen: 0.060 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VL032208.D

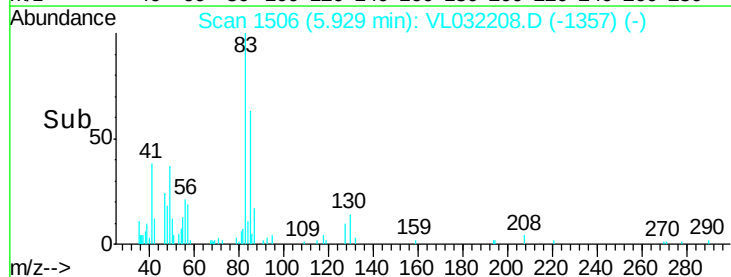
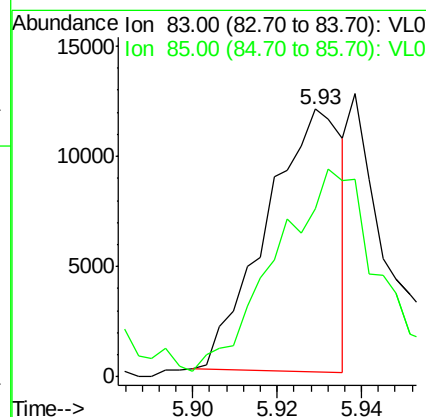
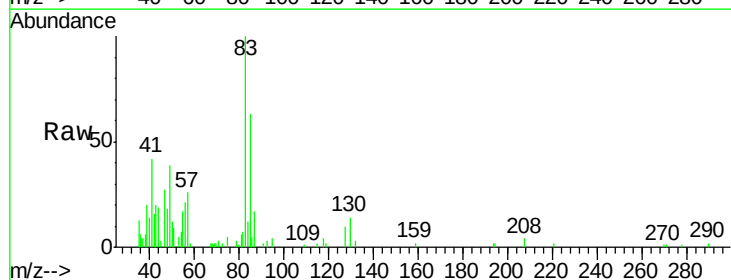
Acq: 5 Jul 2018 18:06

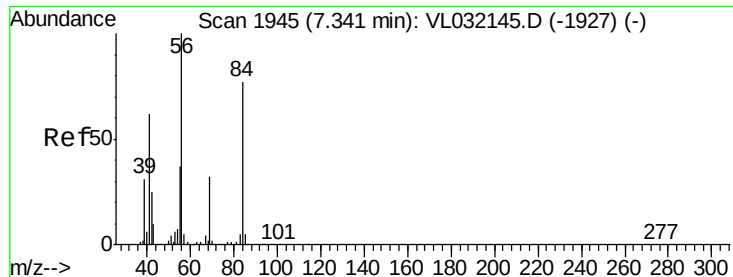
Tgt Ion: 83 Resp: 14824

Ion Ratio Lower Upper

83 100

85 62.5 51.6 77.4

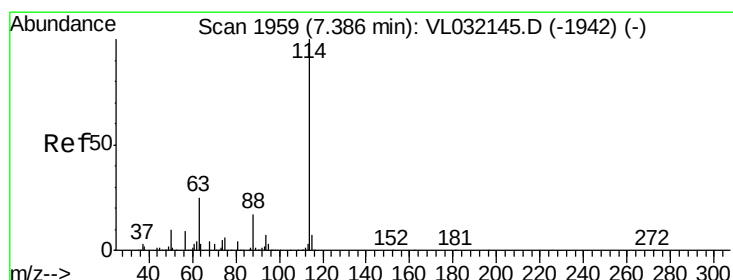
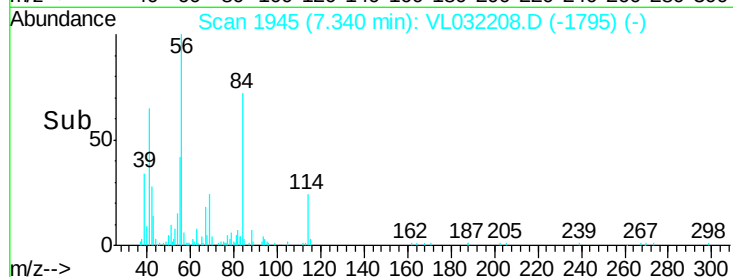
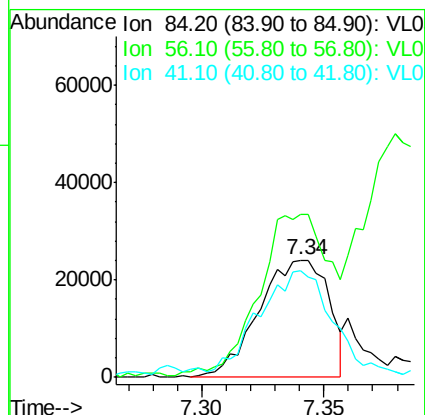
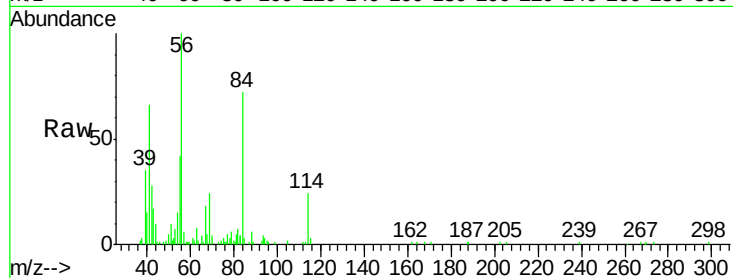




#30
Cyclohexane
Concen: 0.296 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

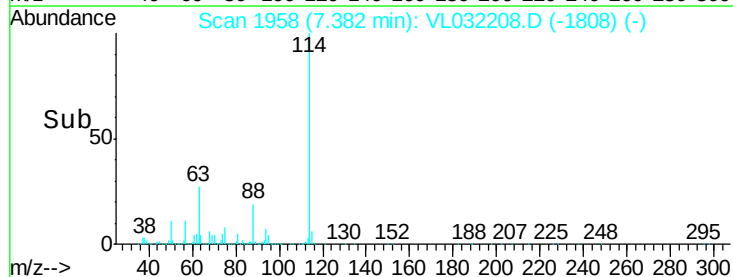
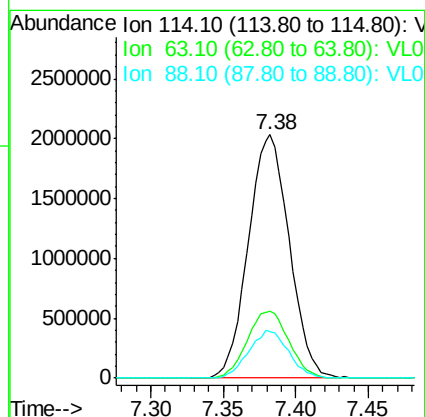
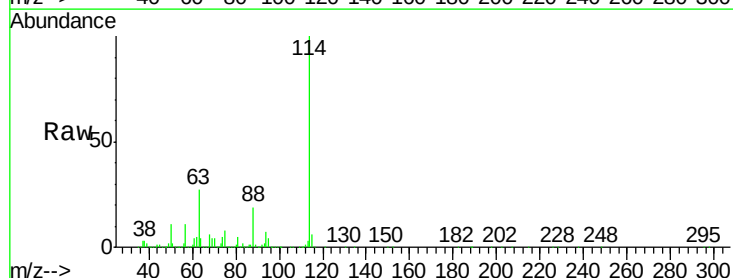
Instrument :
MSVOA_L
ClientSampleId :
539B

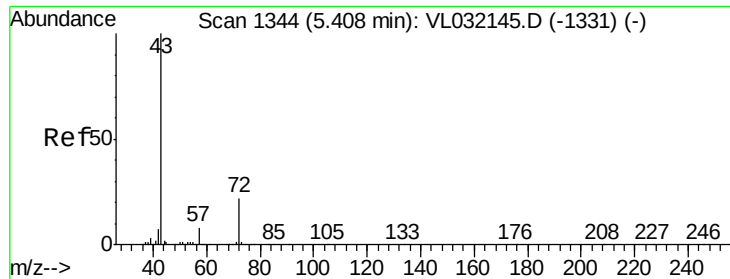
Tgt Ion: 84 Resp: 47173
Ion Ratio Lower Upper
84 100
56 137.5 109.1 163.7
41 114.3 64.6 96.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

Tgt Ion: 114 Resp: 3991850
Ion Ratio Lower Upper
114 100
63 28.1 19.1 28.7
88 19.2 13.9 20.9

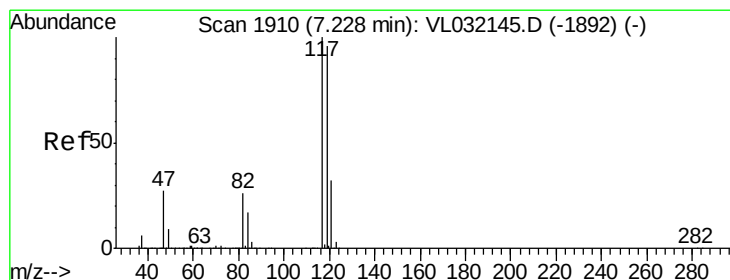
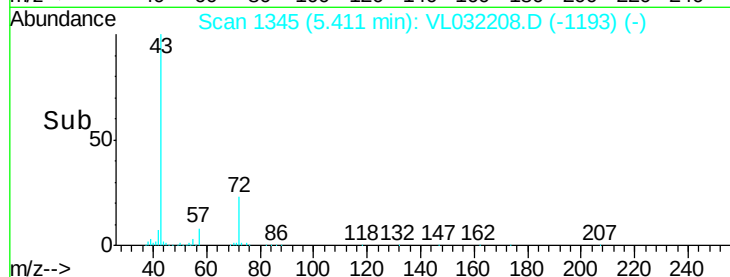
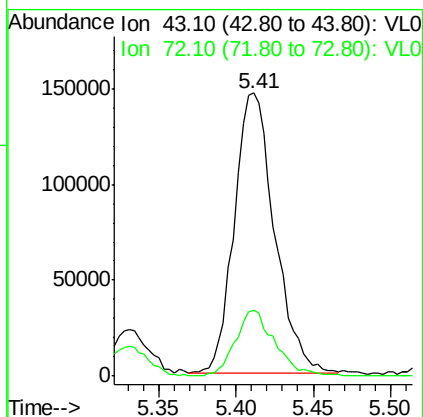
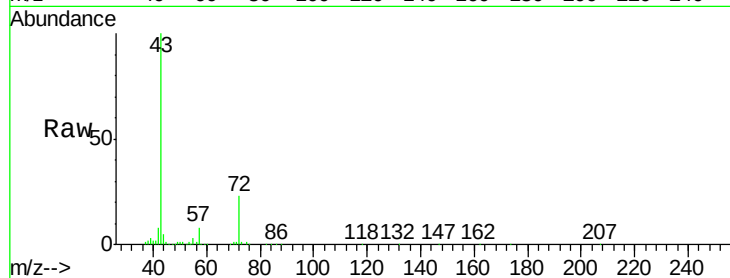




#34
 2-Butanone
 Concen: 1.038 ppbv
 RT: 5.41 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

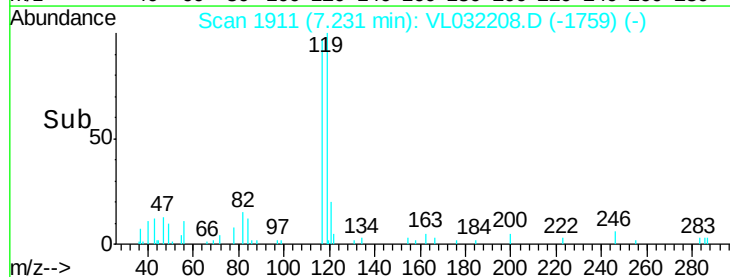
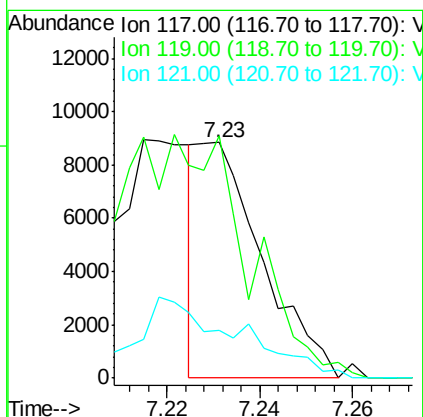
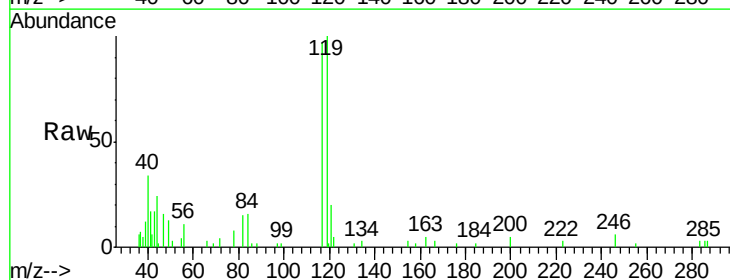
Instrument :
 MSVOA_L
 ClientSampleId :
 539B

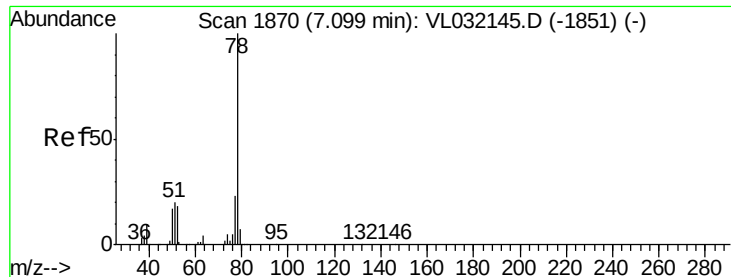
Tgt Ion: 43 Resp: 263031
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.4 27.6



#35
 Carbon Tetrachloride
 Concen: 0.031 ppbv
 RT: 7.23 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VL032208.D
 Acq: 5 Jul 2018 18:06

Tgt Ion: 117 Resp: 8375
 Ion Ratio Lower Upper
 117 100
 119 96.4 74.8 112.2
 121 17.2 24.0 36.0#





#36

Benzene

Concen: 0.383 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

539B

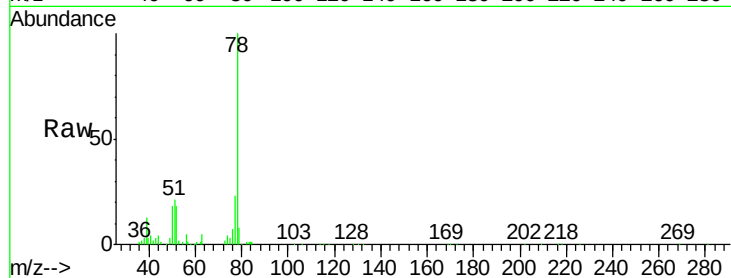
Tgt Ion: 78 Resp: 148062

Ion Ratio Lower Upper

78 100

77 22.8 17.7 26.5

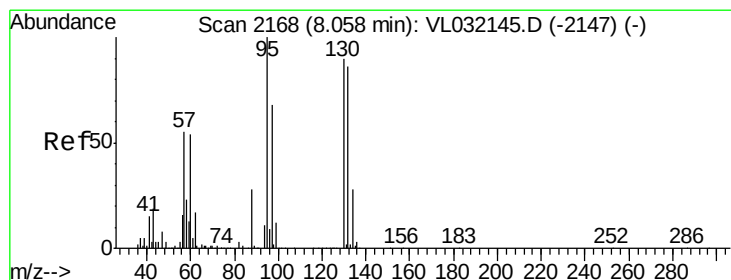
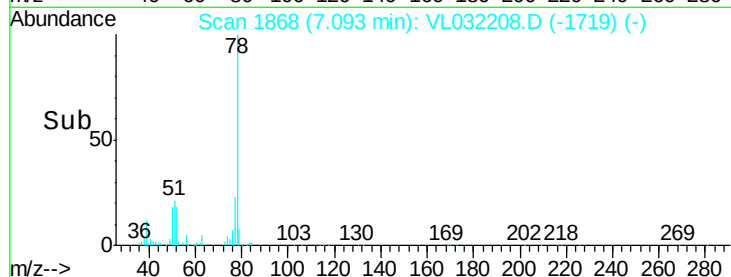
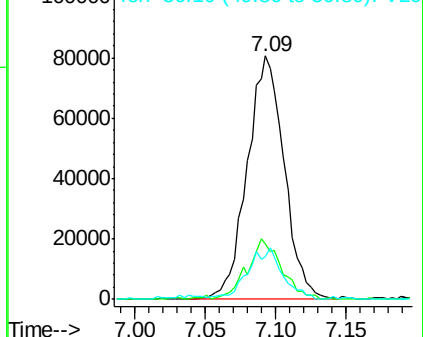
50 17.2 14.0 21.0



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 0.364 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Tgt Ion: 130 Resp: 54939

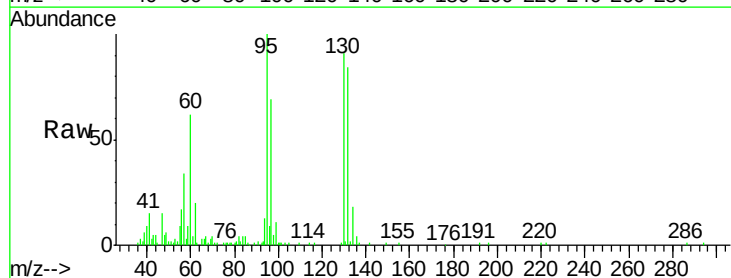
Ion Ratio Lower Upper

130 100

95 110.5 88.1 132.1

132 92.0 74.6 112.0

97 76.2 58.6 88.0

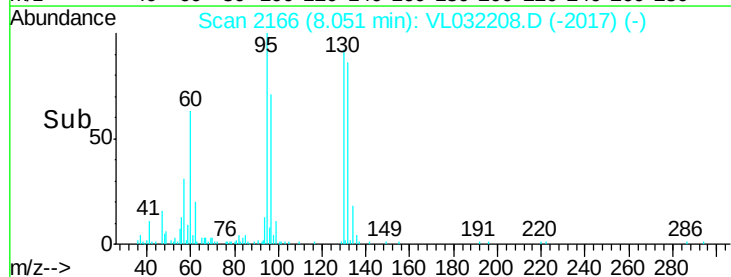
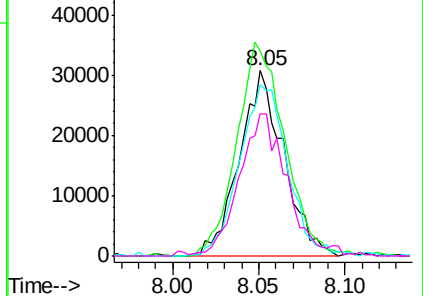


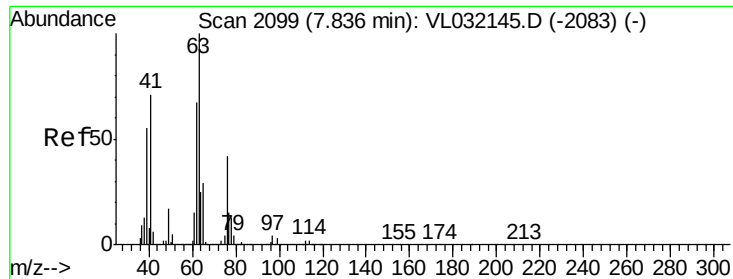
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.256 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.47 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

539B

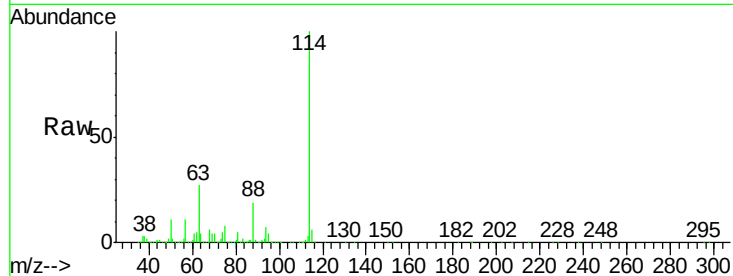
Tgt Ion: 63 Resp: 1105677

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

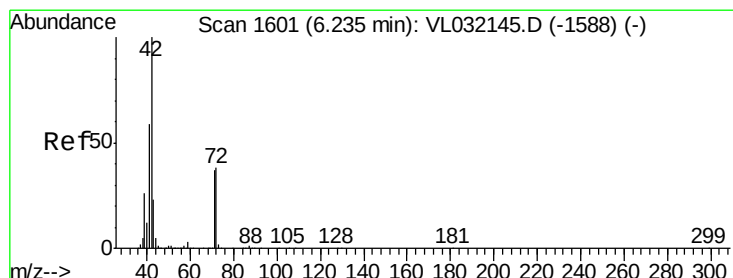
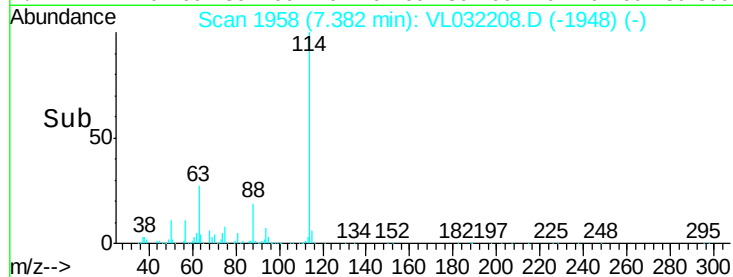
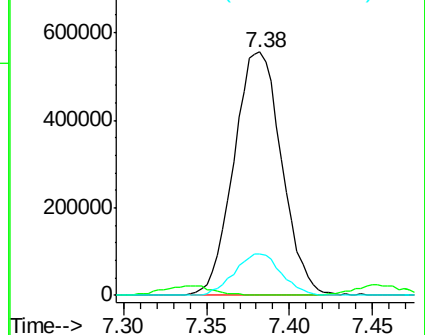
62 16.9 54.8 82.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.226 ppbv

RT: 6.51 min Scan# 1688

Delta R.T. 0.27 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

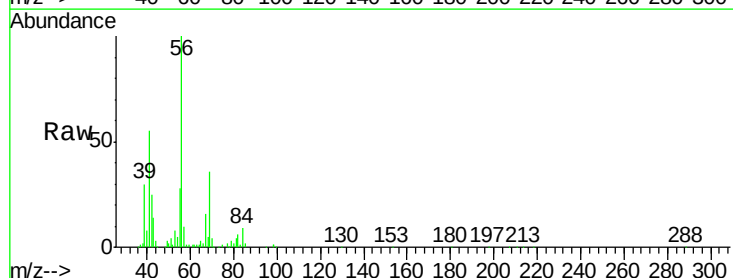
Tgt Ion: 42 Resp: 34332

Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

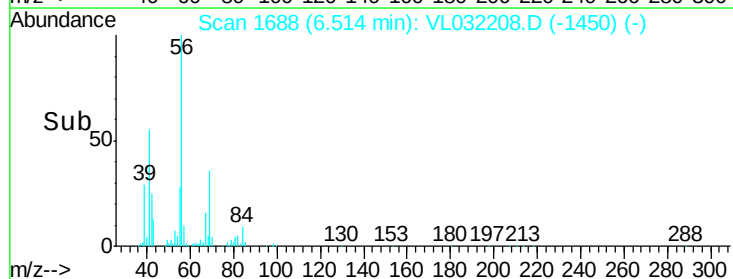
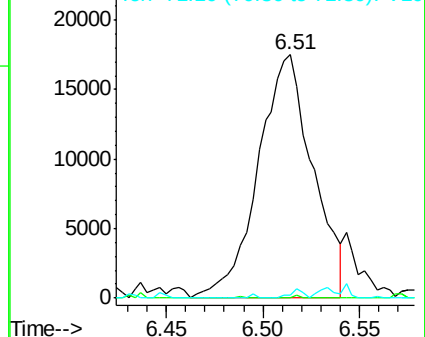
71 0.0 29.5 44.3#

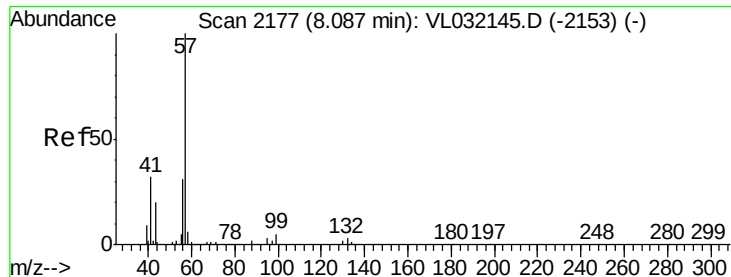


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.418 ppbv

RT: 8.08 min Scan# 2175

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

539B

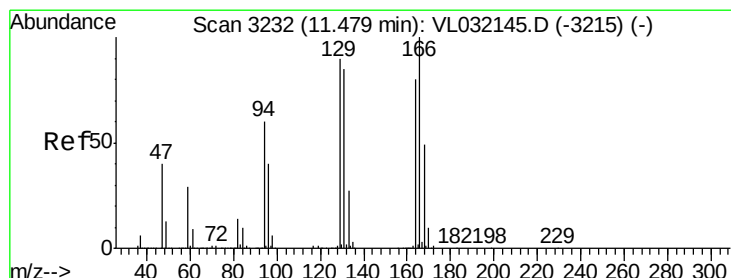
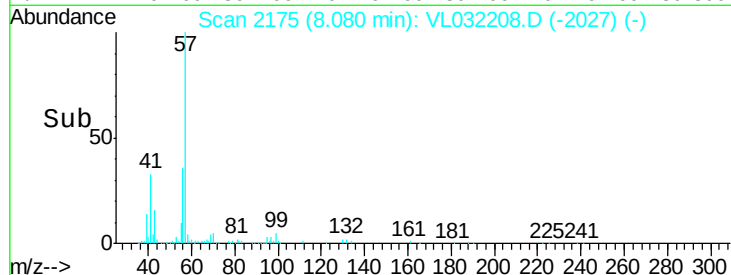
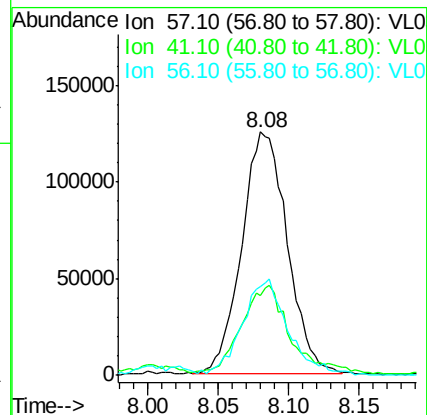
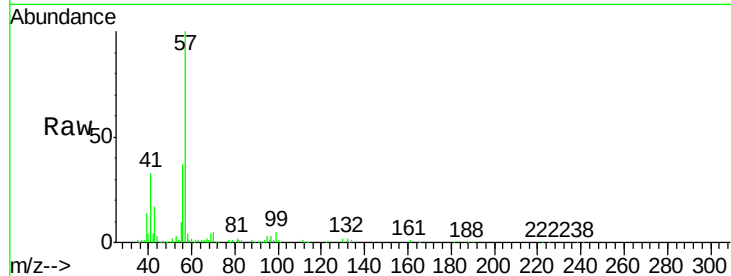
Tgt Ion: 57 Resp: 282516

Ion Ratio Lower Upper

57 100

41 40.8 24.3 36.5#

56 40.6 25.1 37.7#



#52

Tetrachloroethene

Concen: 0.040 ppbv

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Tgt Ion: 164 Resp: 5630

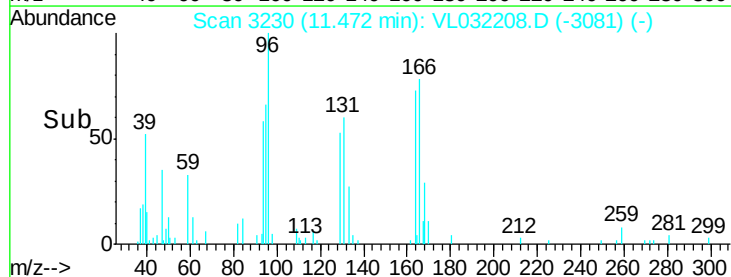
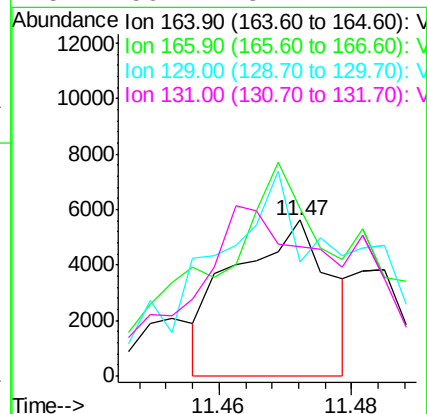
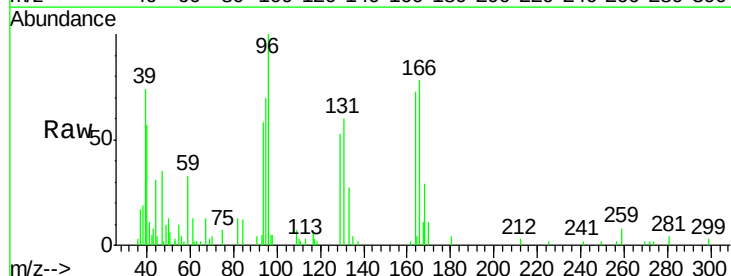
Ion Ratio Lower Upper

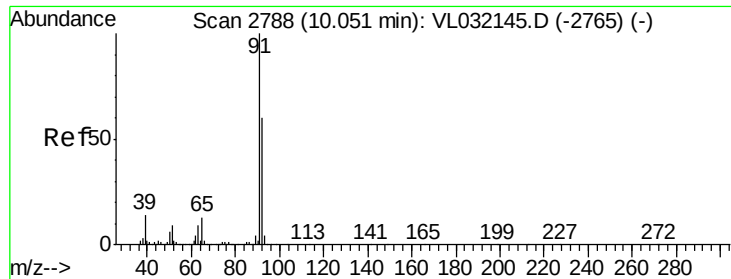
164 100

166 57.3 100.6 151.0#

129 0.0 84.0 126.0#

131 50.4 82.7 124.1#





#53

Toluene

Concen: 0.927 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

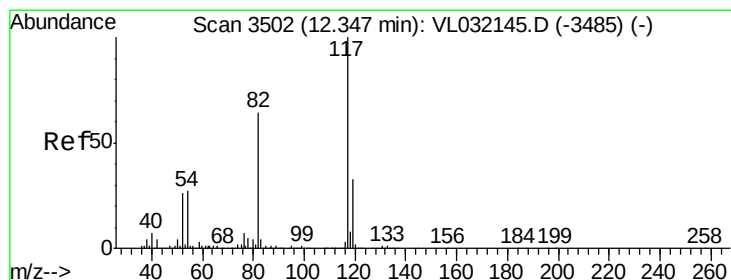
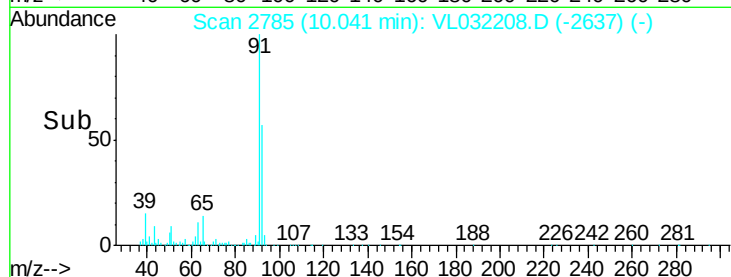
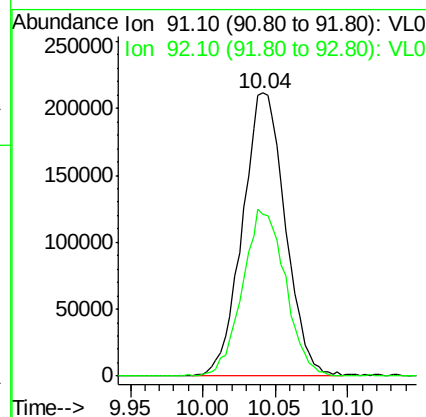
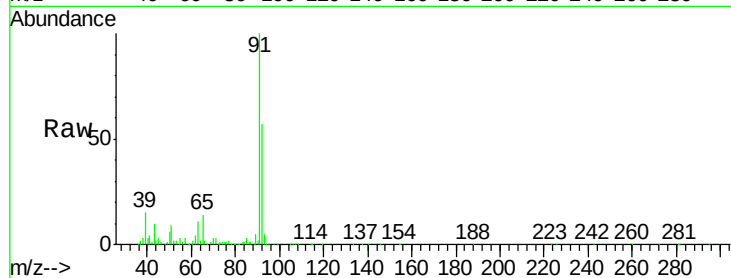
539B

Tgt Ion: 91 Resp: 432676

Ion Ratio Lower Upper

91 100

92 59.2 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

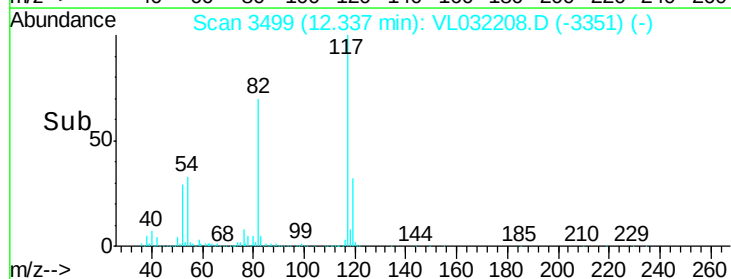
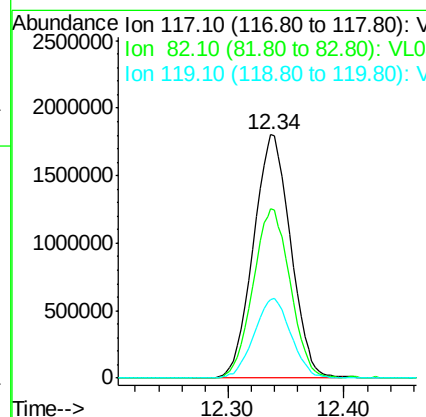
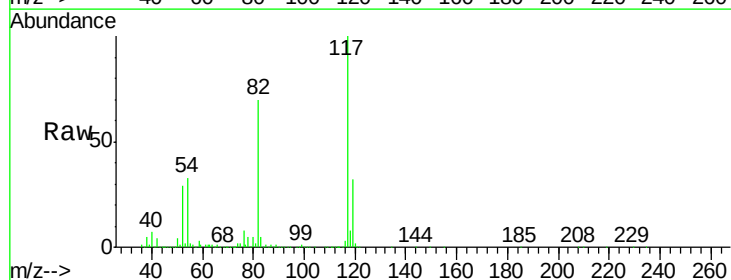
Tgt Ion: 117 Resp: 4032210

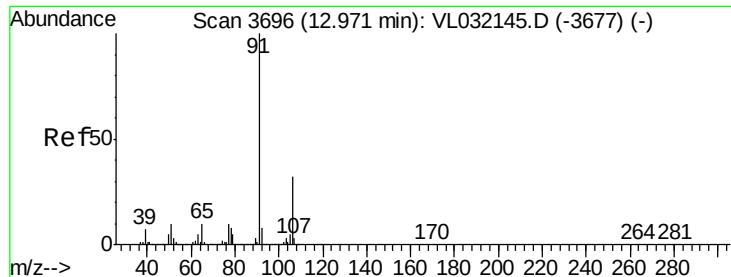
Ion Ratio Lower Upper

117 100

82 70.1 47.8 71.8

119 32.5 43.3 64.9#





#58

Ethyl Benzene

Concen: 0.089 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. -0.02 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

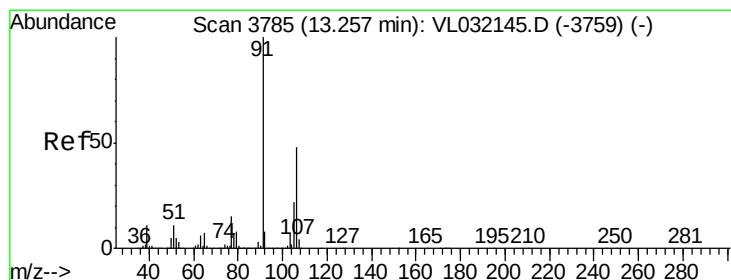
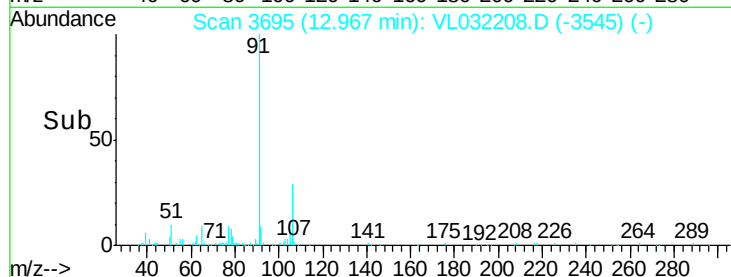
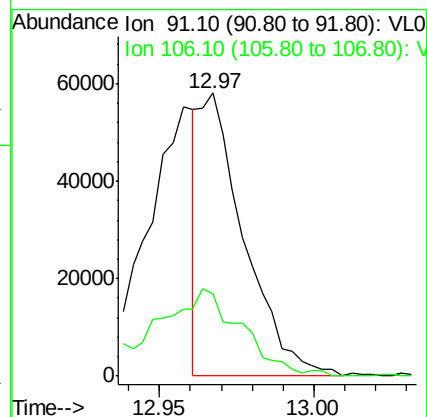
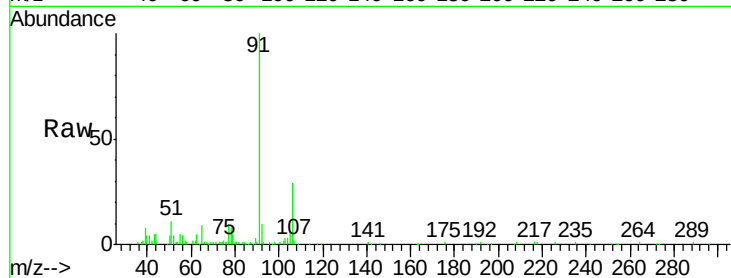
539B

Tgt Ion: 91 Resp: 57562

Ion Ratio Lower Upper

91 100

106 29.3 26.5 39.7



#59

m/p-Xylene

Concen: 0.120 ppbv

RT: 13.25 min Scan# 3782

Delta R.T. -0.02 min

Lab File: VL032208.D

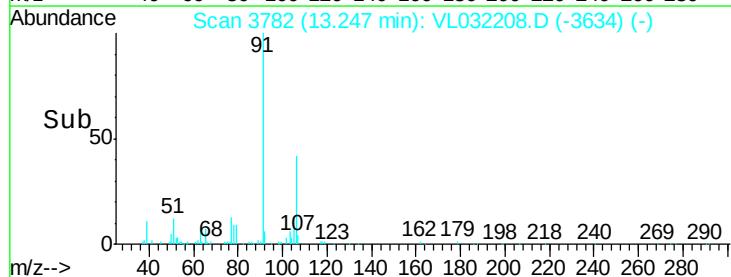
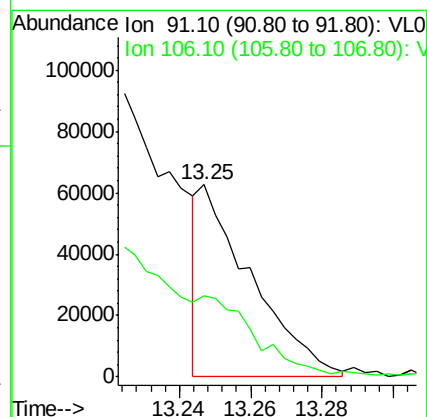
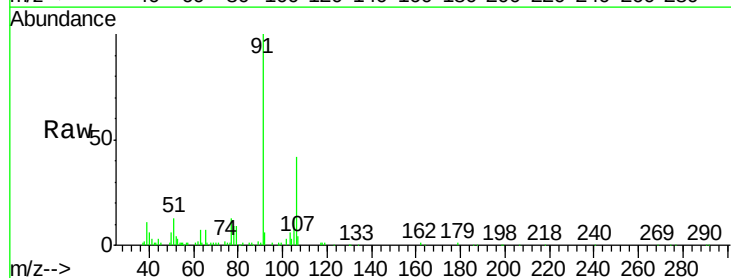
Acq: 5 Jul 2018 18:06

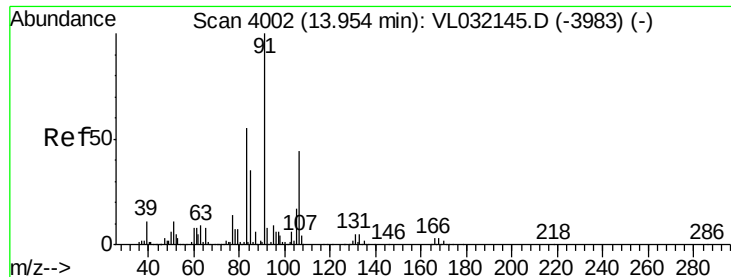
Tgt Ion: 91 Resp: 62763

Ion Ratio Lower Upper

91 100

106 0.0 38.6 58.0#

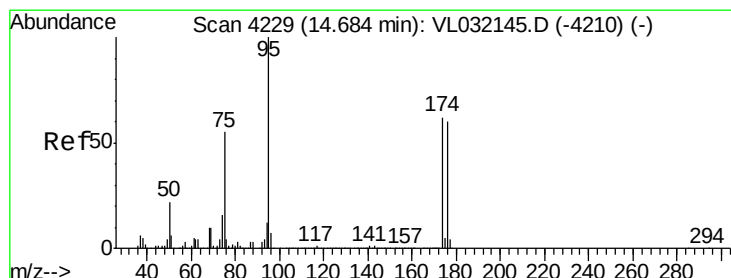
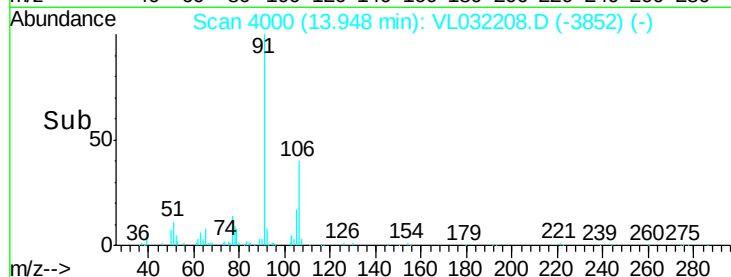
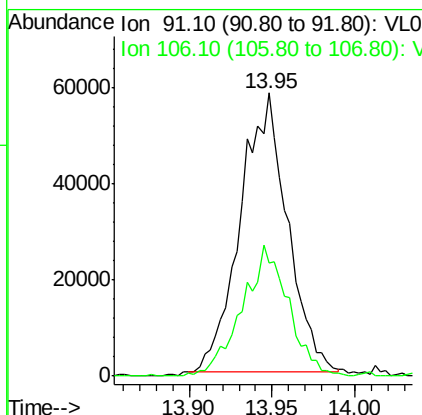
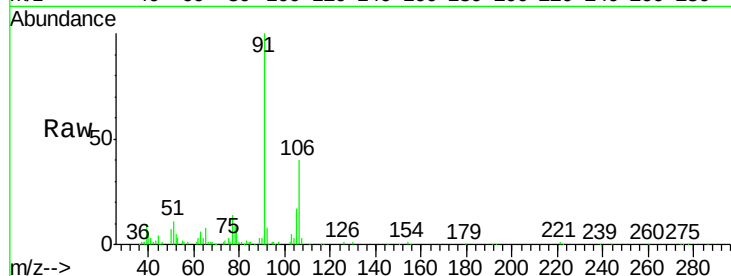




#60
o-Xylene
Concen: 0.222 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

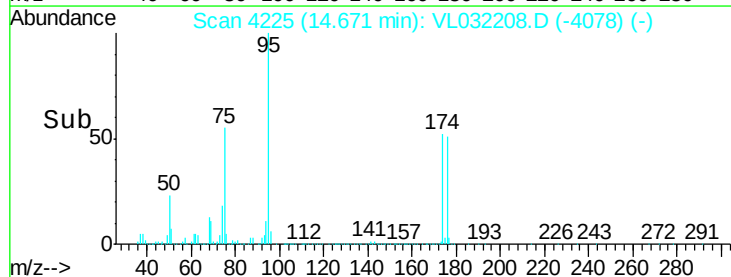
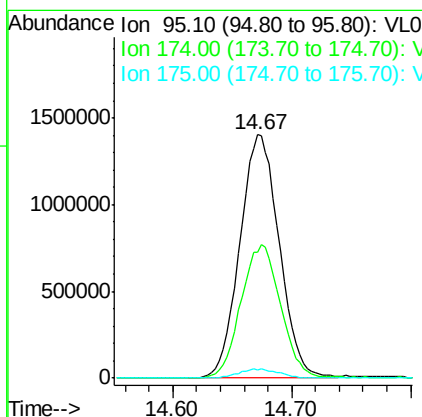
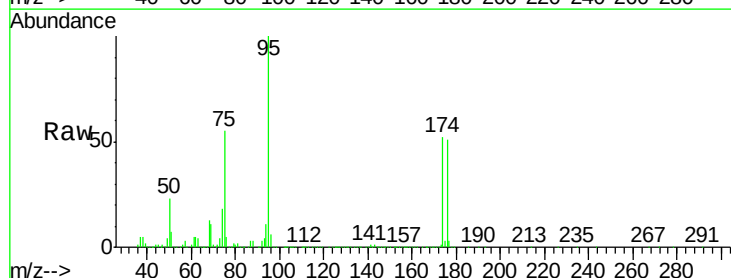
Instrument :
MSVOA_L
ClientSampled :
539B

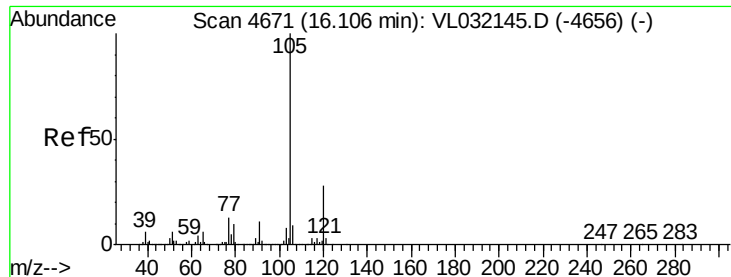
Tgt Ion: 91 Resp: 115564
Ion Ratio Lower Upper
91 100
106 46.1 23.3 69.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.430 ppbv
RT: 14.67 min Scan# 4225
Delta R.T. -0.03 min
Lab File: VL032208.D
Acq: 5 Jul 2018 18:06

Tgt Ion: 95 Resp: 3214817
Ion Ratio Lower Upper
95 100
174 55.9 52.1 78.1
175 3.9 4.0 6.0#





#72

4-Ethyltoluene

Concen: 0.034 ppbv

RT: 16.09 min Scan# 4666

Delta R.T. -0.03 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

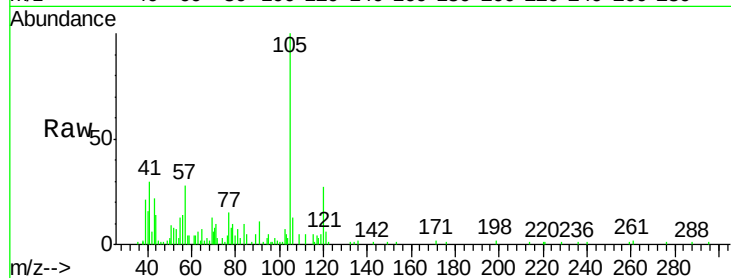
Instrument :

MSVOA_L

ClientSampleId :

539B

Tgt Ion:	105	Resp:	22790
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.3	36.5#
91	0.0	9.4	14.0#
77	0.0	10.2	15.2#

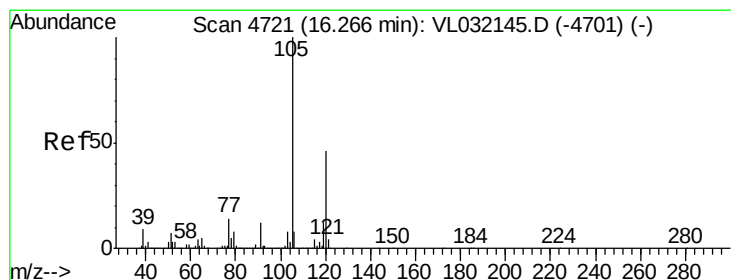
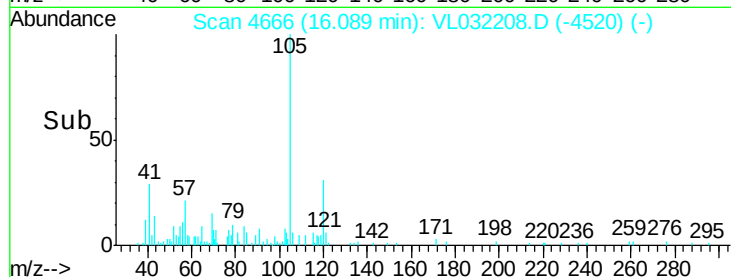
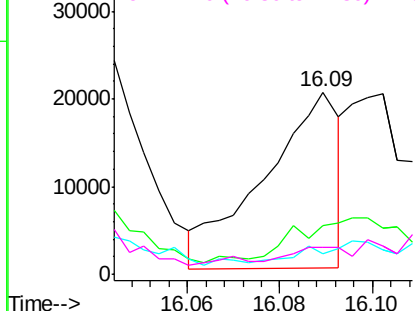


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.232 ppbv

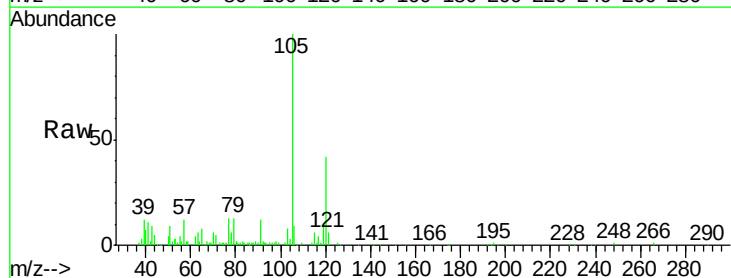
RT: 16.25 min Scan# 4717

Delta R.T. -0.03 min

Lab File: VL032208.D

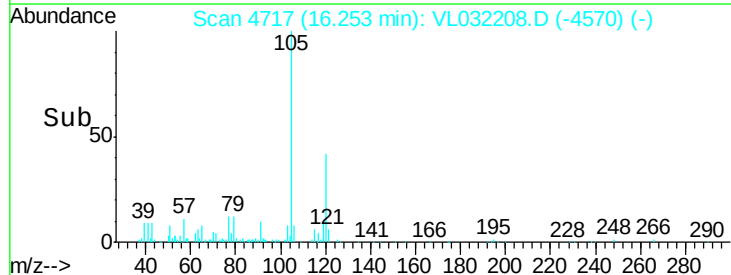
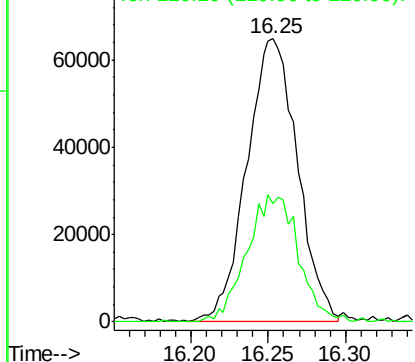
Acq: 5 Jul 2018 18:06

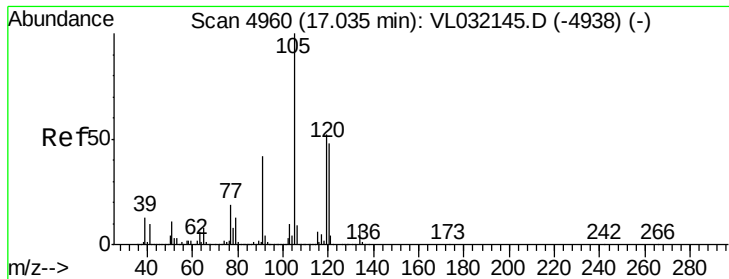
Tgt Ion:	105	Resp:	146449
Ion	Ratio	Lower	Upper
105	100		
120	41.7	38.6	57.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.501 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. -0.03 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

Instrument :

MSVOA_L

ClientSampleId :

539B

Tgt Ion:105 Resp: 319782

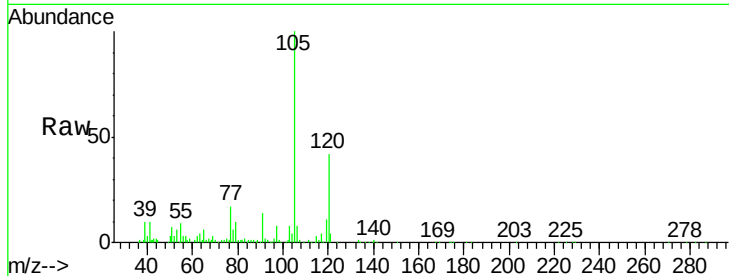
Ion Ratio Lower Upper

105 100

120 41.5 38.8 58.2

91 13.5 33.6 50.4#

77 16.8 16.0 24.0

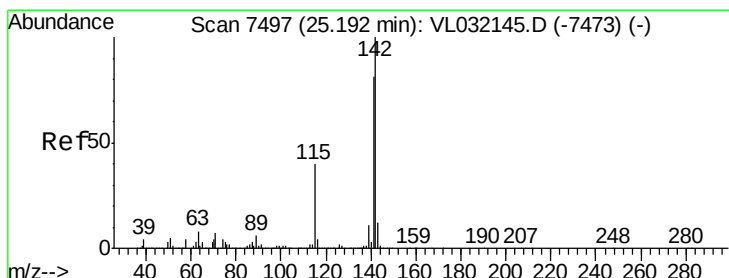
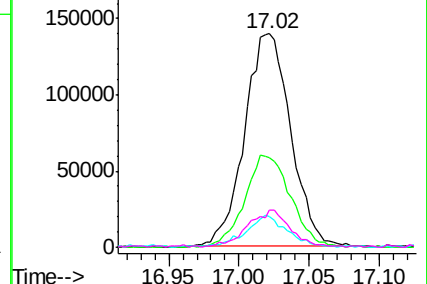
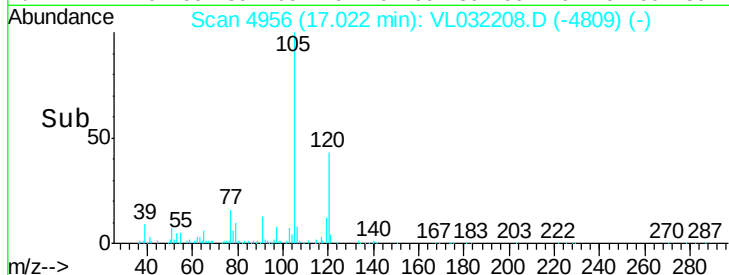


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#80

Naphthalene,2-methyl-

Concen: 0.047 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032208.D

Acq: 5 Jul 2018 18:06

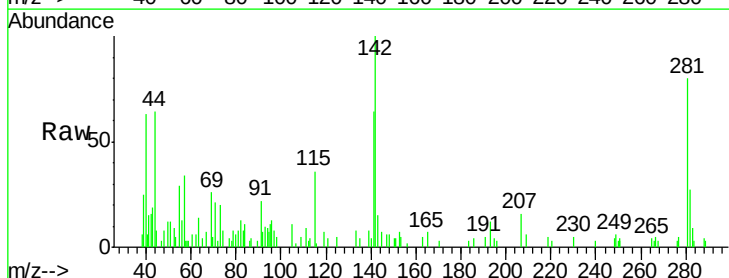
Tgt Ion:142 Resp: 9808

Ion Ratio Lower Upper

142 100

141 86.9 65.8 98.6

115 49.4 29.4 44.0#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

