

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032275.D
 Acq On : 19 Jul 2018 00:29
 Operator : SY/AP
 Sample : J3454-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 02:00:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1614752	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3498793	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4051460	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3173966	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

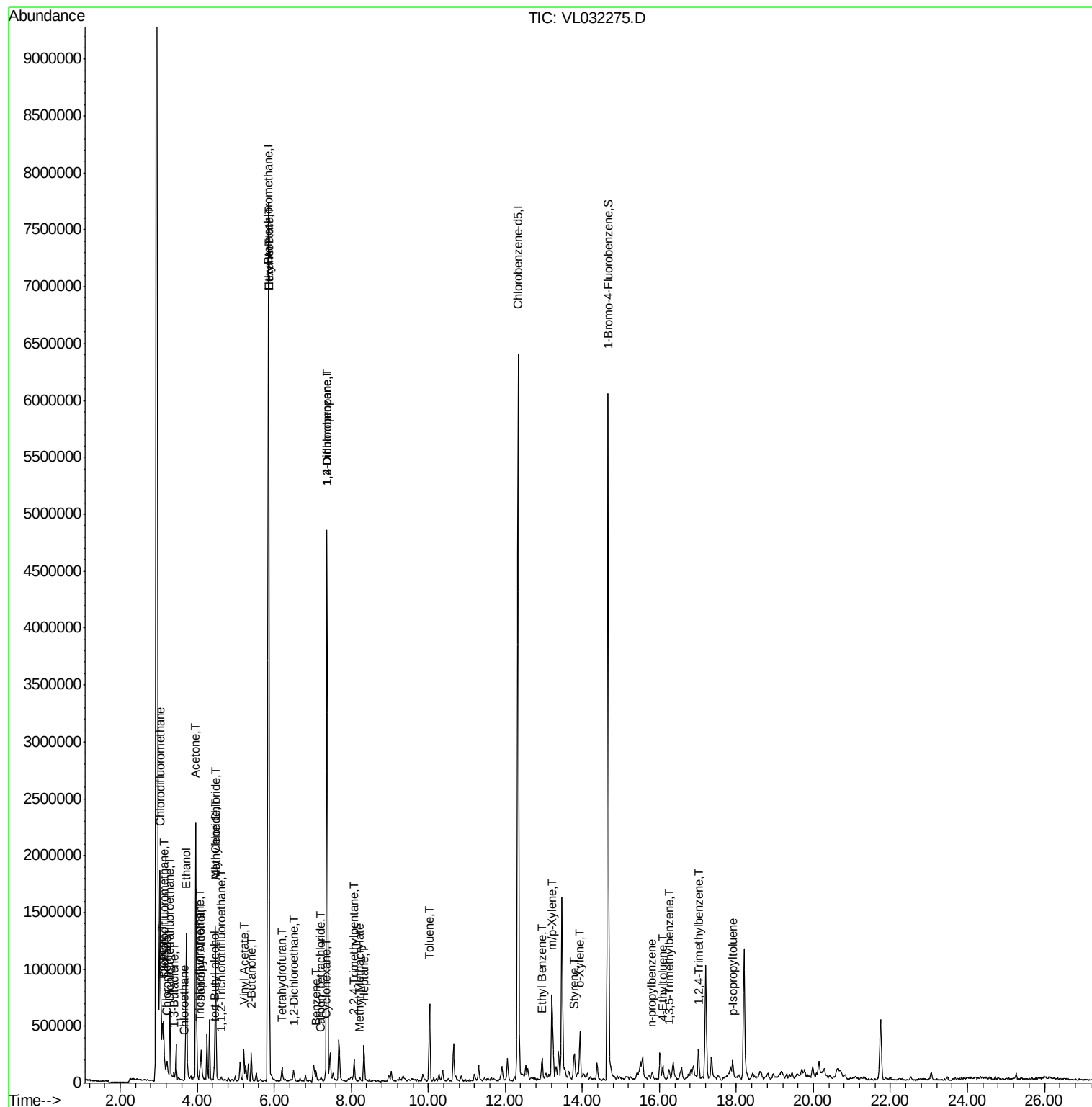
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.13	85	225084	0.820	ppbv 99
3) Chlorodifluoromethane	3.04	51	1170343	6.458	ppbv # 69
4) Chloromethane	3.22	50	67486	0.632	ppbv 94
7) Chloroethane	3.66	64	994	0.028	ppbv # 70
8) Dichlorotetrafluoroethane	3.27	85	4985	0.022	ppbv 91
9) Propene	3.10	41	58870	0.743	ppbv # 79
10) Heptane	8.33	43	71489	0.284	ppbv # 61
11) Trichlorofluoromethane	4.07	101	62810	0.293	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	8953	0.065	ppbv # 80
13) Ethanol	3.71	45	1495456	66.088	ppbv 98
15) Acetone	3.96	43	2277153	13.474	ppbv 98
16) 1,3-Butadiene	3.40	39	14000	0.163	ppbv # 30
17) tert-Butyl alcohol	4.44	59	13148	0.247	ppbv # 72
19) Isopropyl Alcohol	4.10	45	310406	2.716	ppbv # 1
20) Methylene Chloride	4.48	84	453767	6.974	ppbv 99
21) Allyl Chloride	4.48	41	24068	0.216	ppbv # 53
23) Vinyl Acetate	5.22	43	214713	0.708	ppbv # 78
25) Ethyl Acetate	5.86	43	2113167	5.740	ppbv # 78
26) Hexane	5.86	57	2852906	16.875	ppbv # 44
30) Cyclohexane	7.33	84	3549	0.025	ppbv # 1
34) 2-Butanone	5.40	43	273857	1.141	ppbv 100
35) Carbon Tetrachloride	7.21	117	12941	0.054	ppbv # 83
36) Benzene	7.09	78	60232	0.175	ppbv # 89
37) 1,2-Dichloroethane	6.49	62	6587	0.032	ppbv # 93
39) 1,2-Dichloropropane	7.37	63	968817	7.106	ppbv # 25
41) Tetrahydrofuran	6.20	42	24457	0.175	ppbv # 57
43) Methyl Methacrylate	8.22	69	5426	0.038	ppbv # 1
44) 2,2,4-Trimethylpentane	8.08	57	100559	0.168	ppbv # 61
53) Toluene	10.03	91	439077	1.052	ppbv 98
58) Ethyl Benzene	12.95	91	159404	0.279	ppbv 97
59) m/p-Xylene	13.21	91	734015	1.507	ppbv 99
60) o-Xylene	13.94	91	317301	0.654	ppbv 99
61) Styrene	13.77	104	48571	0.135	ppbv # 52
64) n-propylbenzene	15.81	120	3751	0.021	ppbv # 1
69) p-Isopropyltoluene	17.90	119	80625	0.118	ppbv # 79
72) 4-Ethyltoluene	16.09	105	66387	0.118	ppbv # 97
73) 1,3,5-Trimethylbenzene	16.25	105	34940	0.064	ppbv 91
74) 1,2,4-Trimethylbenzene	17.01	105	159993	0.279	ppbv # 70

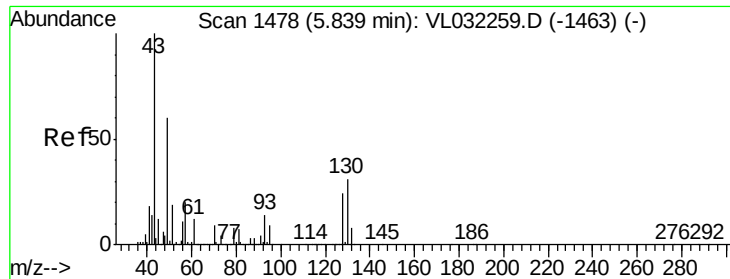
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
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QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

ClientSampleId :

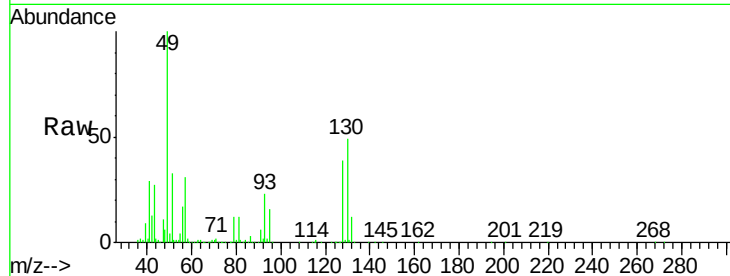
Tot Ion: 49 Resp: 1614752

Ion Ratio Lower Upper

49 100

128 40.3 20.1 60.2

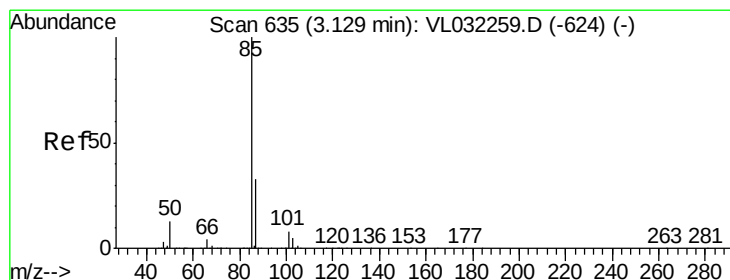
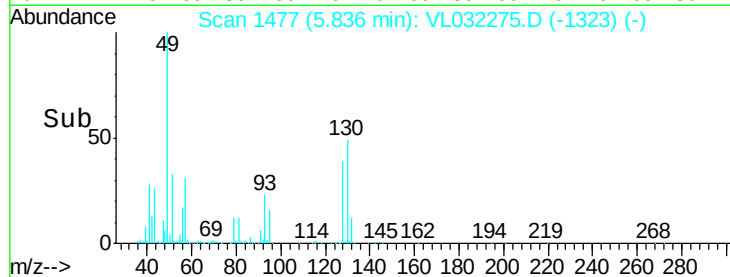
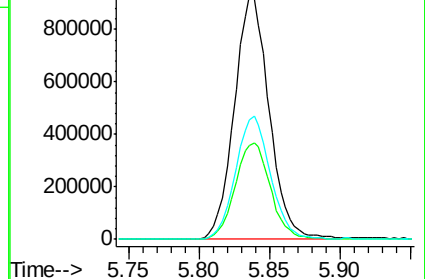
130 51.0 25.9 77.6



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: 0.820 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032275.D

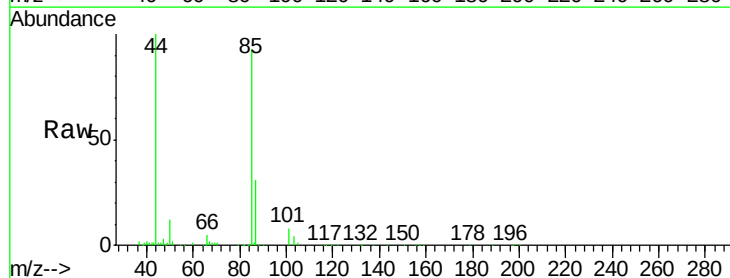
Acq: 19 Jul 2018 00:29

Tgt Ion: 85 Resp: 225084

Ion Ratio Lower Upper

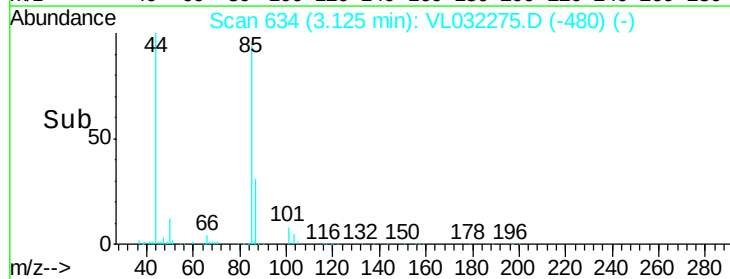
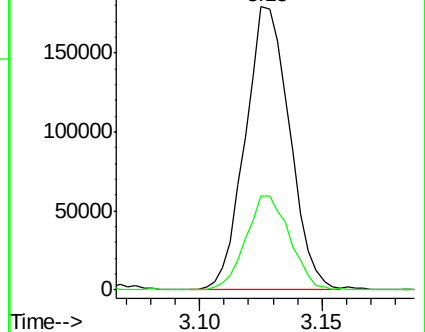
85 100

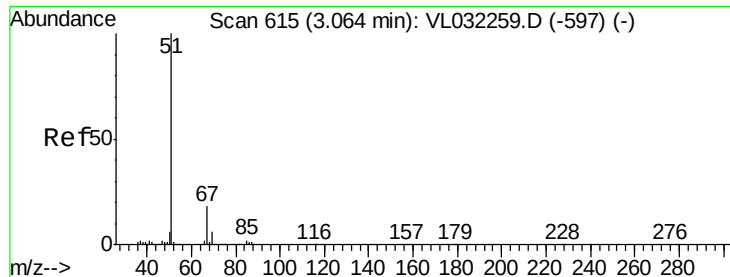
87 33.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 6.458 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.03 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

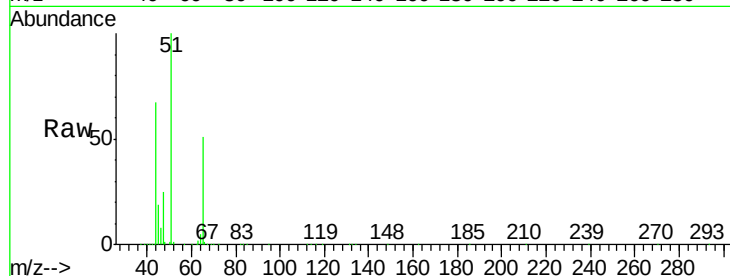
ClientSampleId :

Tot Ion: 51 Resp: 1170343

Ion Ratio Lower Upper

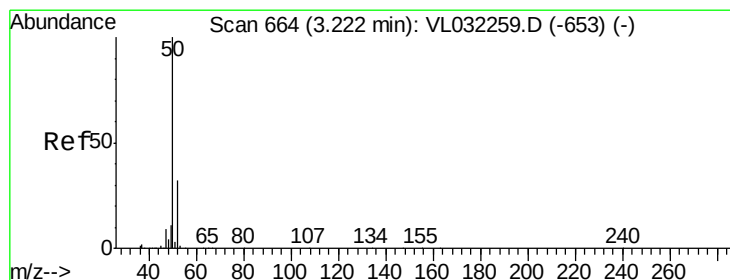
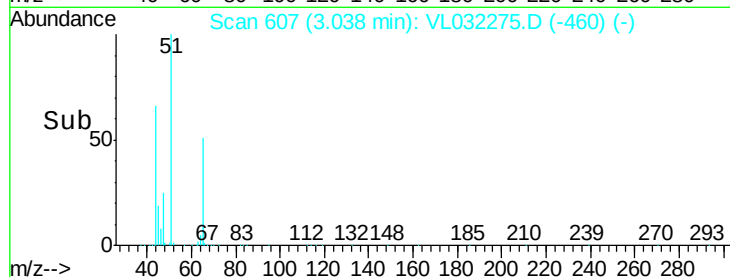
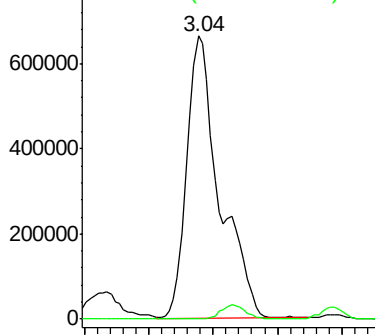
51 100

67 4.0 14.2 21.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.632 ppbv

RT: 3.22 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032275.D

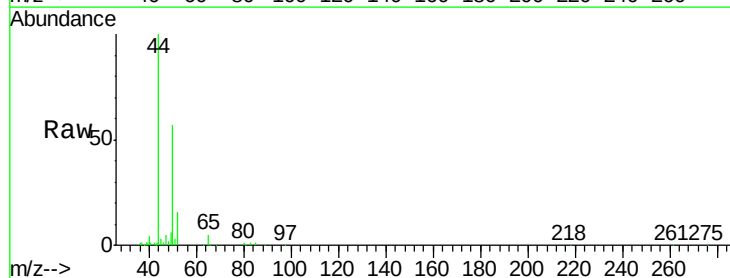
Acq: 19 Jul 2018 00:29

Tgt Ion: 50 Resp: 67486

Ion Ratio Lower Upper

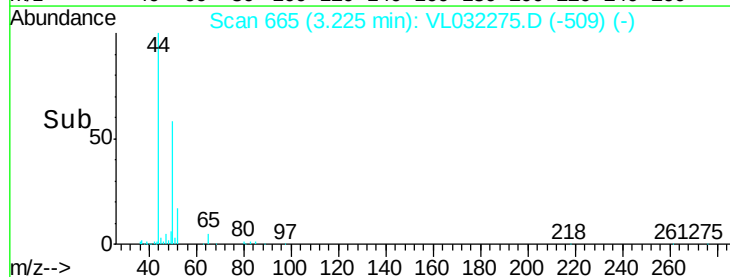
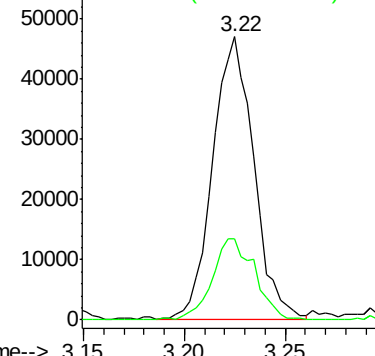
50 100

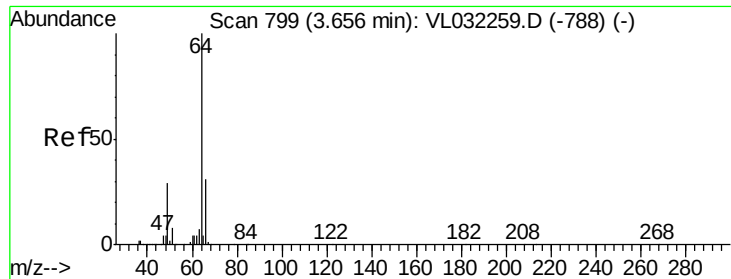
52 28.5 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.028 ppbv

RT: 3.66 min Scan# 799

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

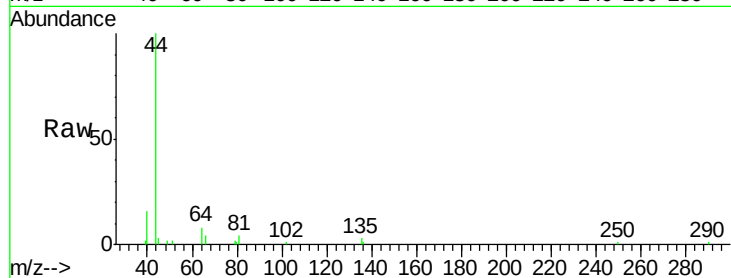
ClientSampleId :

Tot Ion: 64 Resp: 994

Ion Ratio Lower Upper

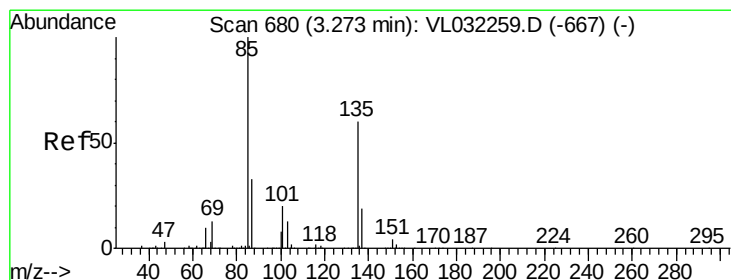
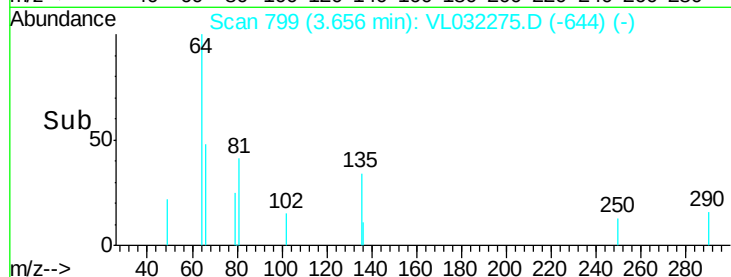
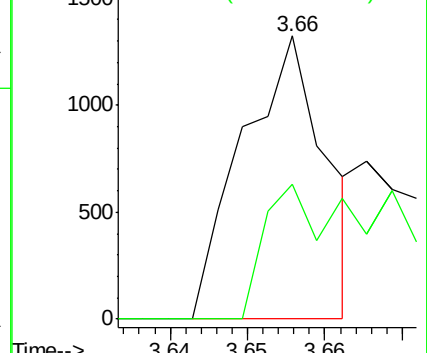
64 100

66 47.7 25.0 37.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.022 ppbv

RT: 3.27 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032275.D

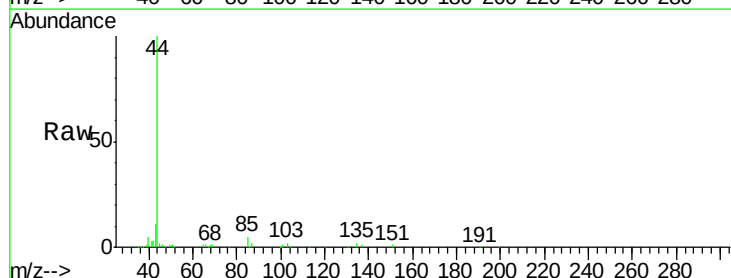
Acq: 19 Jul 2018 00:29

Tgt Ion: 85 Resp: 4985

Ion Ratio Lower Upper

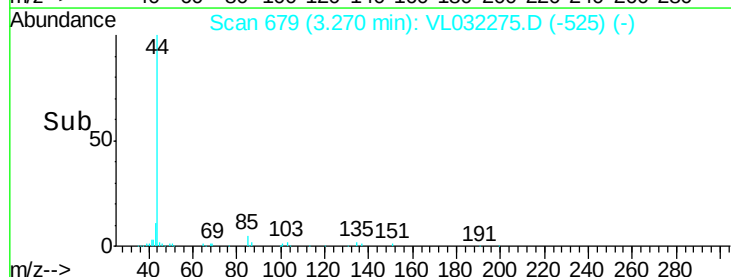
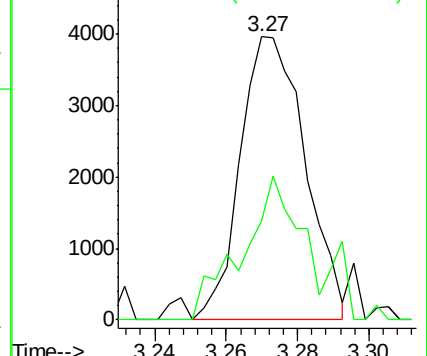
85 100

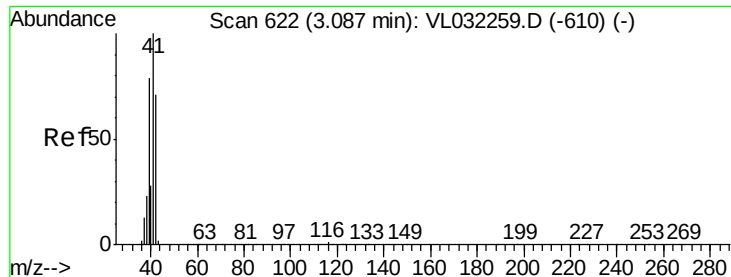
135 53.1 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.743 ppbv

RT: 3.10 min Scan# 627

Delta R.T. 0.02 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

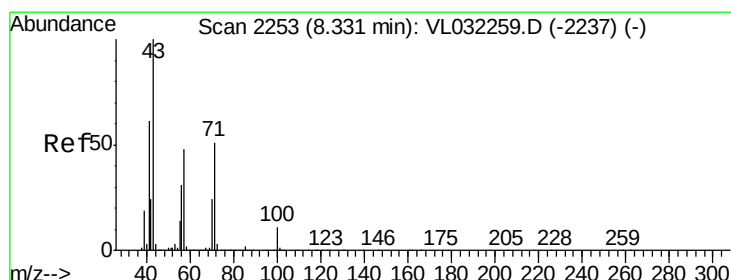
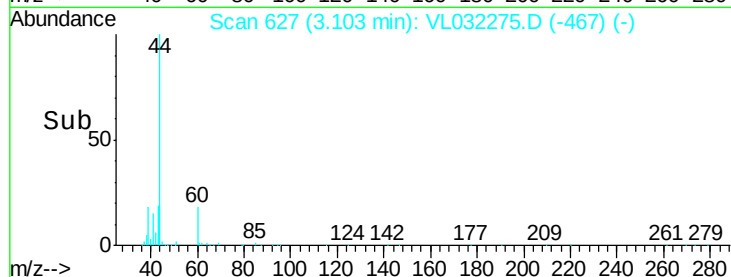
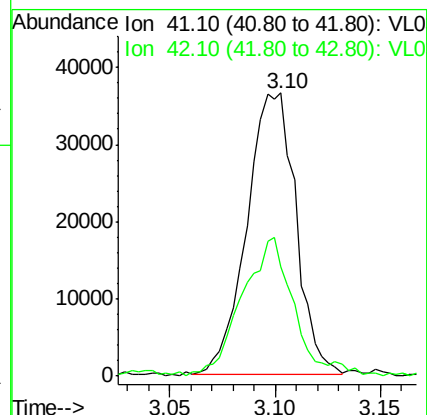
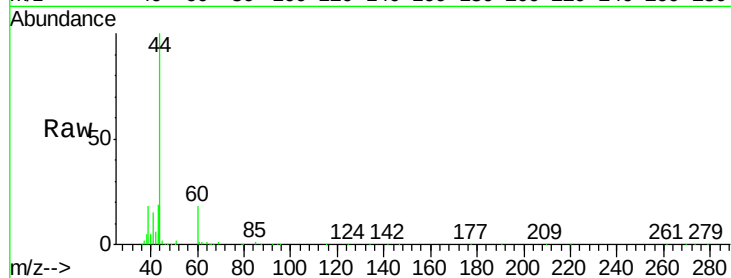
ClientSampleId :

Tot Ion: 41 Resp: 58870

Ion Ratio Lower Upper

41 100

42 52.8 56.2 84.4#



#10

Heptane

Concen: 0.284 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032275.D

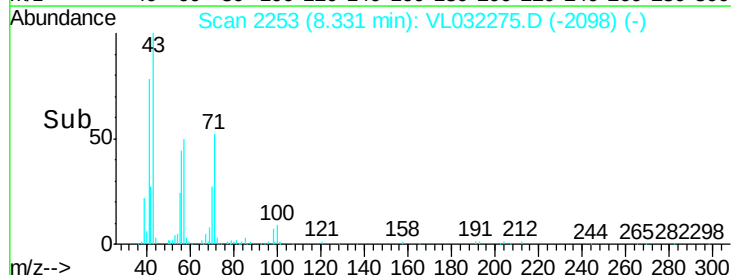
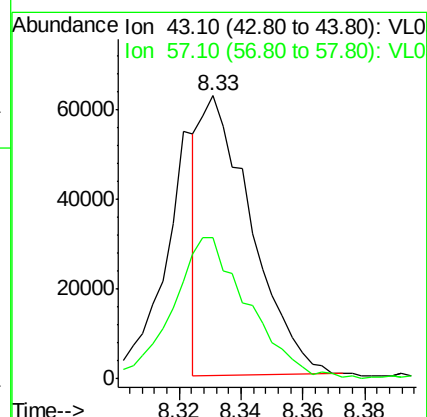
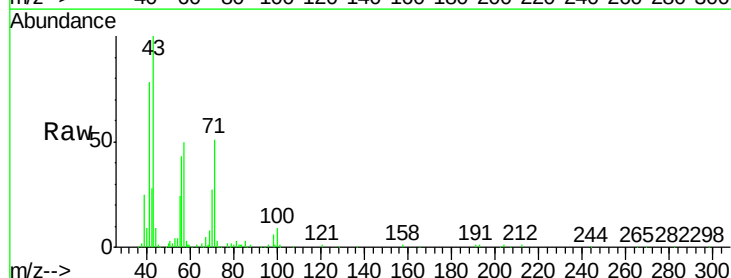
Acq: 19 Jul 2018 00:29

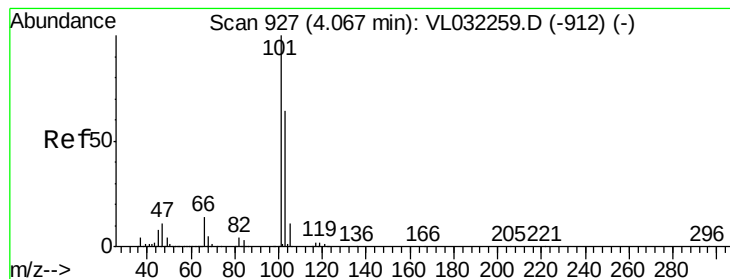
Tgt Ion: 43 Resp: 71489

Ion Ratio Lower Upper

43 100

57 76.5 39.9 59.9#





#11

Trichlorofluoromethane

Concen: 0.293 ppbv

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

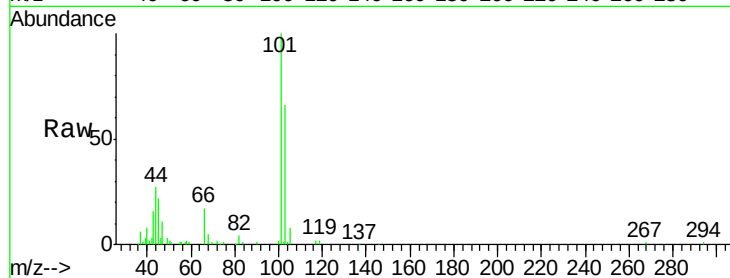
ClientSampleId :

Tot Ion:101 Resp: 62810

Ion Ratio Lower Upper

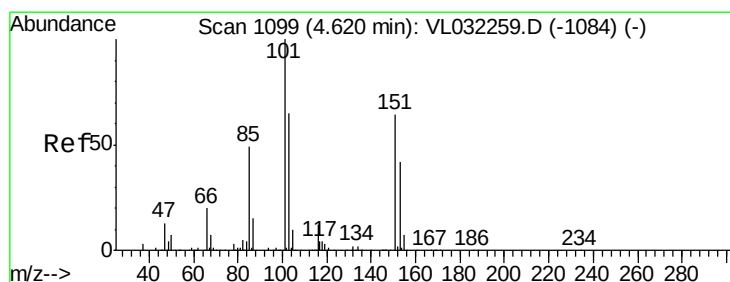
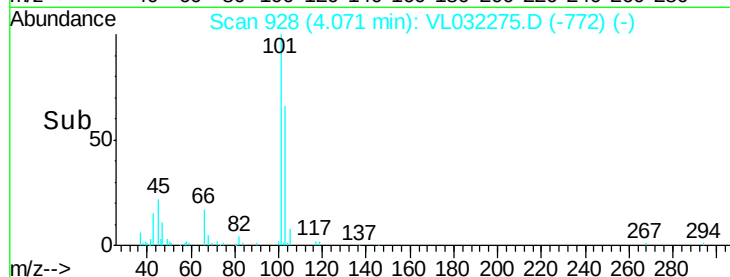
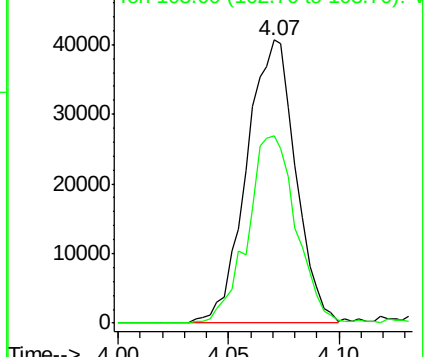
101 100

103 66.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.065 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032275.D

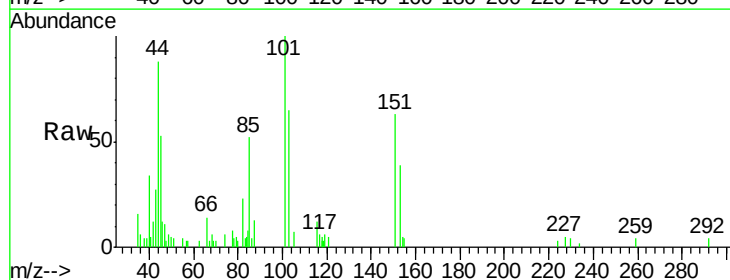
Acq: 19 Jul 2018 00:29

Tgt Ion:101 Resp: 8953

Ion Ratio Lower Upper

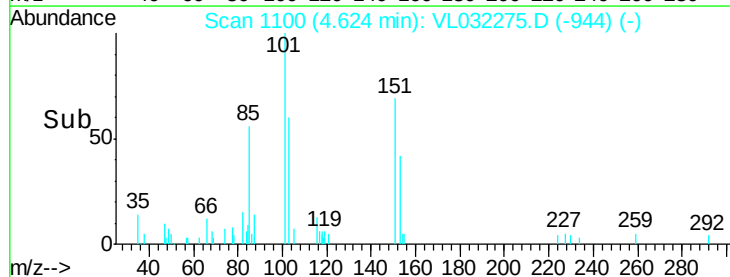
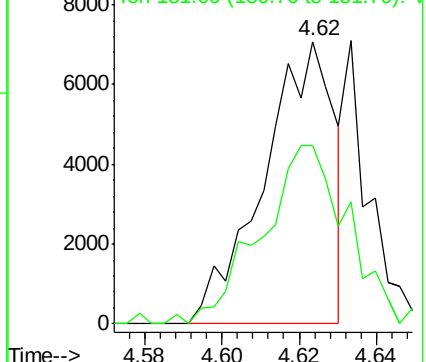
101 100

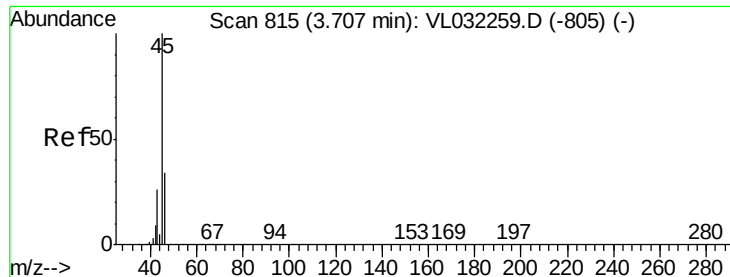
151 79.5 51.3 76.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

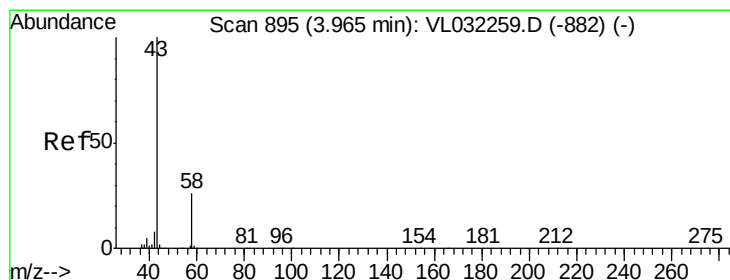
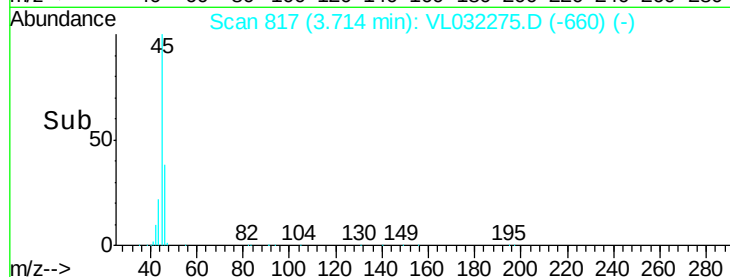
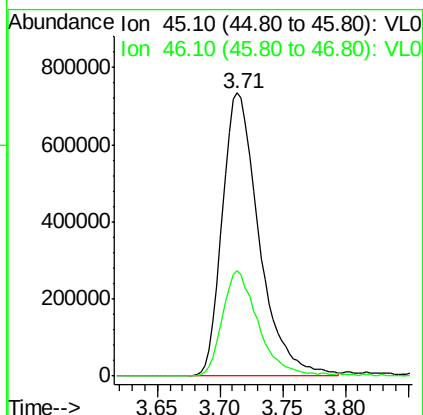
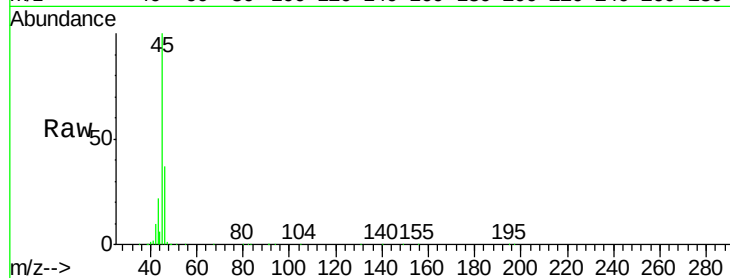




#13
Ethanol
Concen: 66.088 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

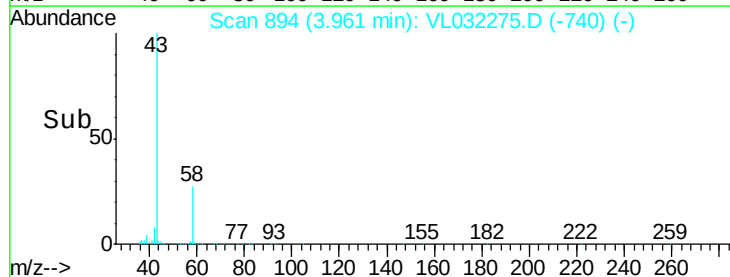
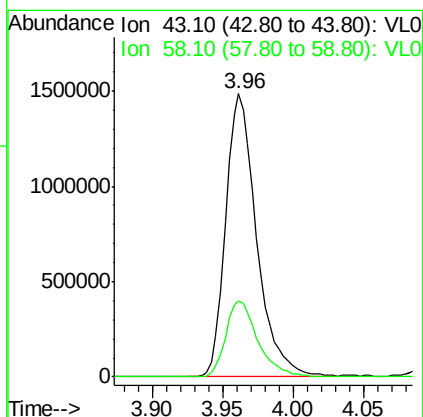
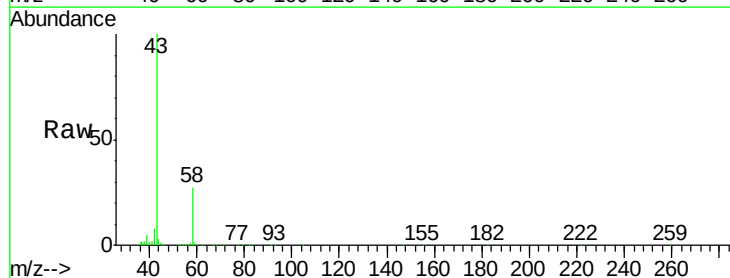
Instrument :
MSVOA_L
ClientSampleId :

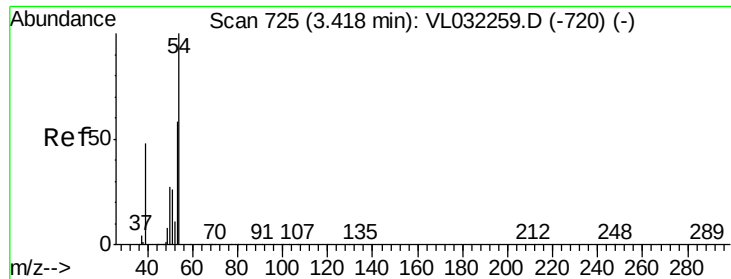
Tot Ion: 45 Resp: 1495456
Ion Ratio Lower Upper
45 100
46 37.1 15.2 60.8



#15
Acetone
Concen: 13.474 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion: 43 Resp: 2277153
Ion Ratio Lower Upper
43 100
58 28.2 21.8 32.6

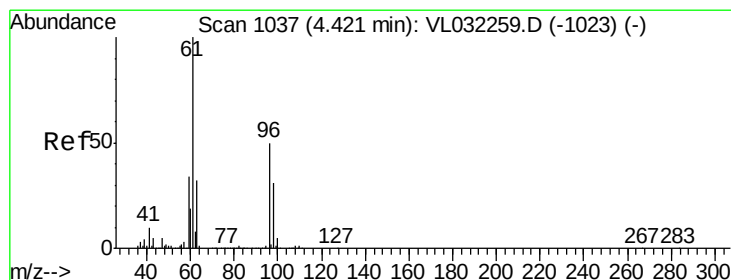
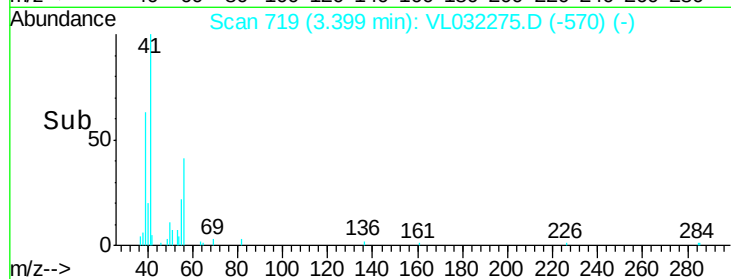
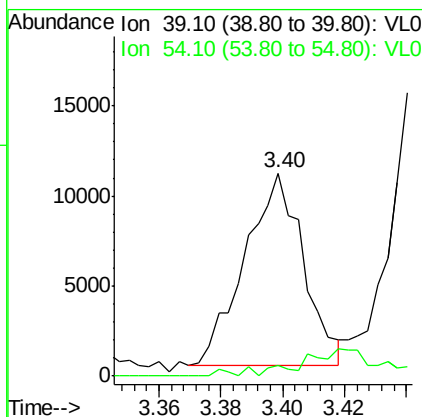
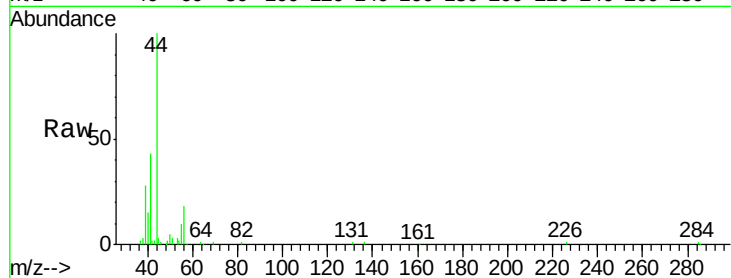




#16
 1,3-Butadiene
 Concen: 0.163 ppbv
 RT: 3.40 min Scan# 719
 Delta R.T. -0.02 min
 Lab File: VL032275.D
 Acq: 19 Jul 2018 00:29

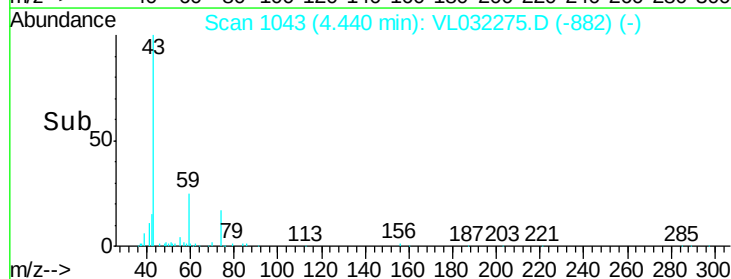
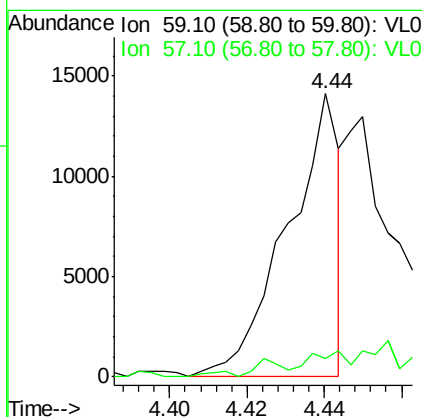
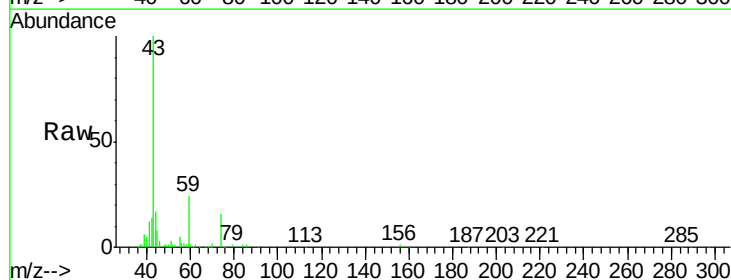
Instrument :
 MSVOA_L
 ClientSampleId :

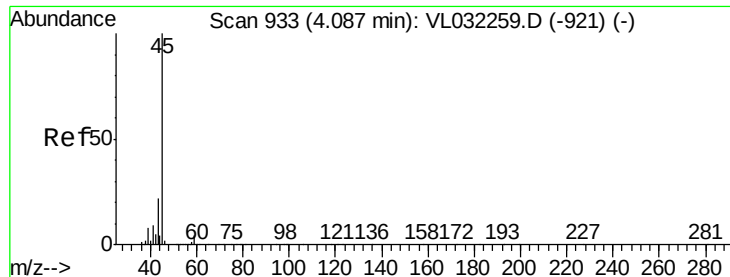
Tot Ion: 39 Resp: 14000
 Ion Ratio Lower Upper
 39 100
 54 22.6 70.6 105.8#



#17
 tert-Butyl alcohol
 Concen: 0.247 ppbv
 RT: 4.44 min Scan# 1043
 Delta R.T. 0.02 min
 Lab File: VL032275.D
 Acq: 19 Jul 2018 00:29

Tgt Ion: 59 Resp: 13148
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#





#19

Isopropyl Alcohol

Concen: 2.716 ppbv

RT: 4.10 min Scan# 936

Delta R.T. 0.01 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

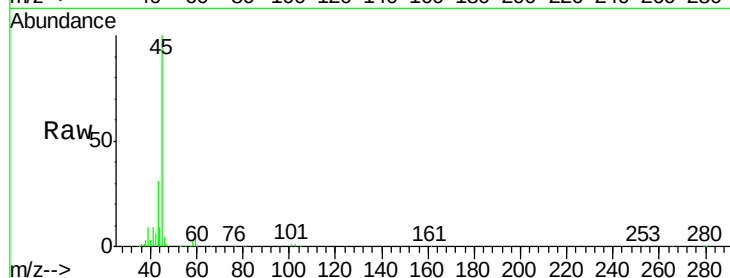
ClientSampleId :

Tot Ion: 45 Resp: 310406

Ion Ratio Lower Upper

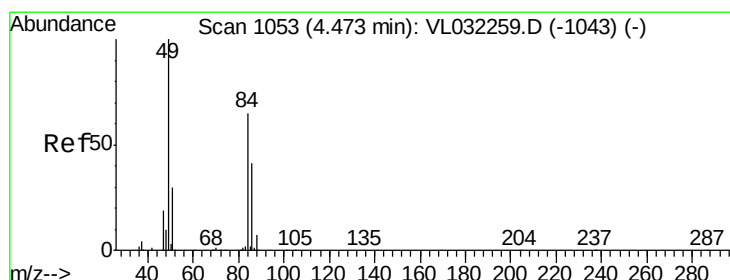
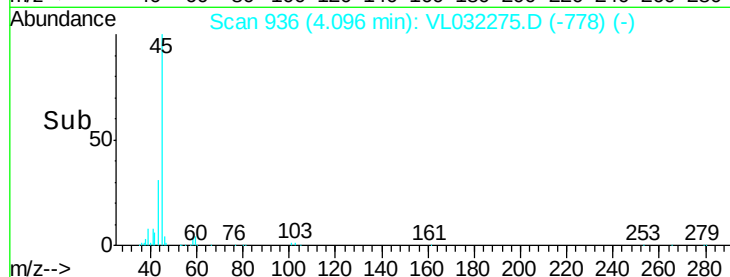
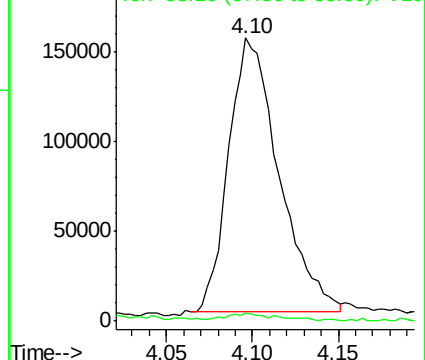
45 100

58 206.3 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 6.974 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Tgt Ion: 84 Resp: 453767

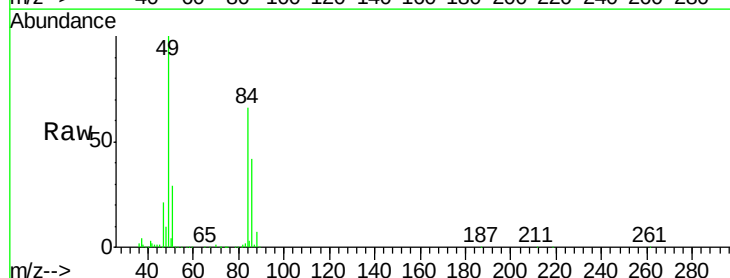
Ion Ratio Lower Upper

84 100

49 152.0 122.4 183.6

51 44.1 36.8 55.2

86 63.2 50.7 76.1

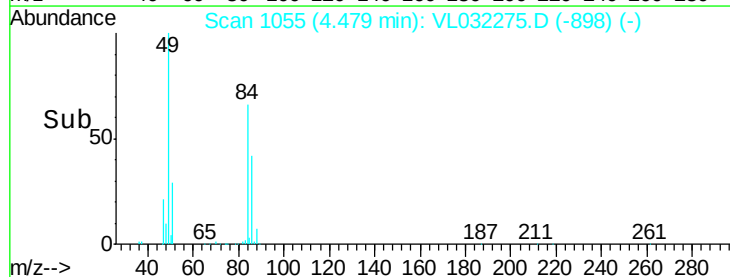
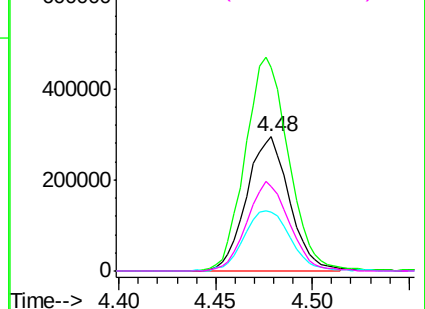


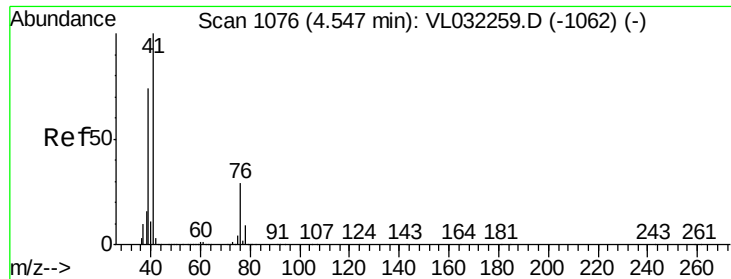
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

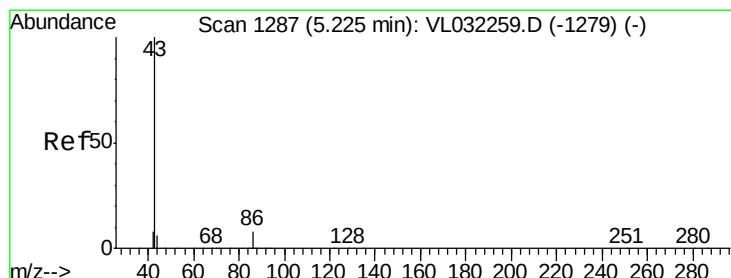
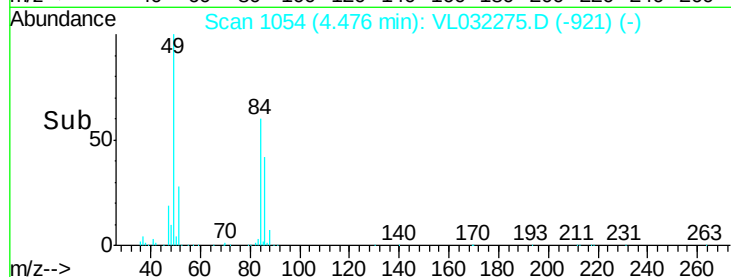
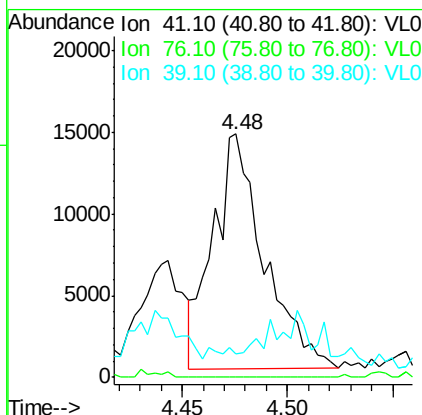
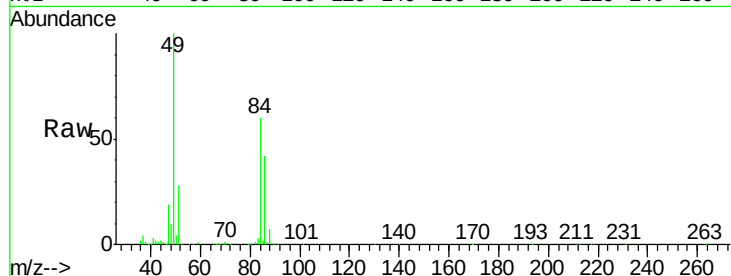




#21
Allvl Chloride
Concen: 0.216 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.07 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

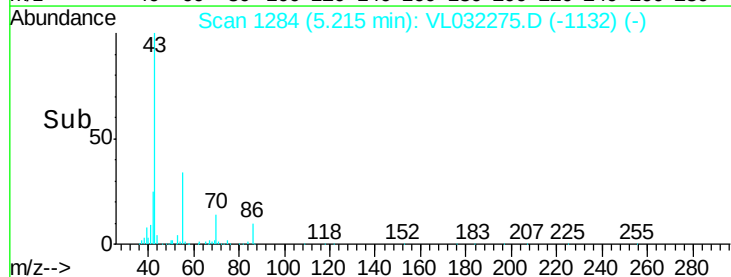
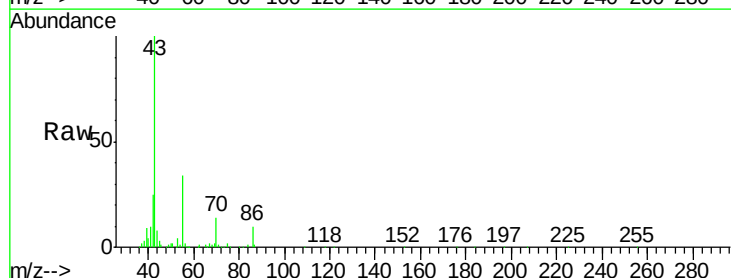
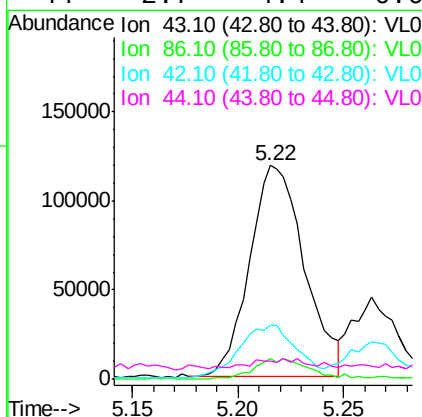
Instrument :
MSVOA_L
ClientSampleId :

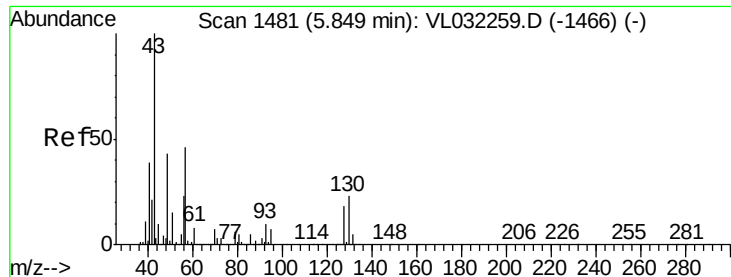
Tot Ion	Ratio	Lower	Upper
41	100		
76	1.2	23.0	34.6#
39	36.4	60.2	90.4#



#23
Vinyl Acetate
Concen: 0.708 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.9	8.9#
42	24.7	7.3	10.9#
44	2.7	4.4	6.6#

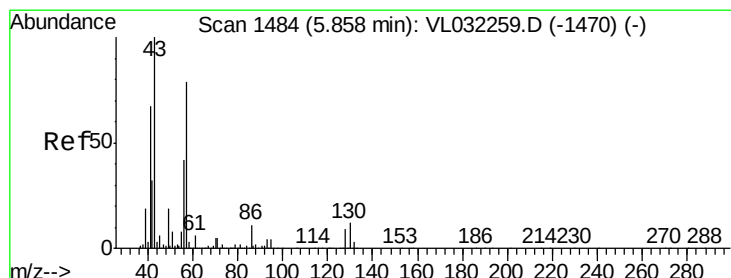
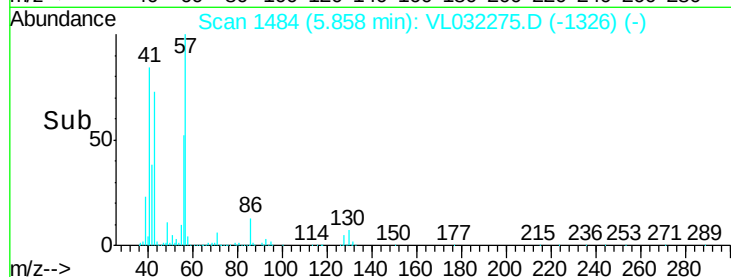
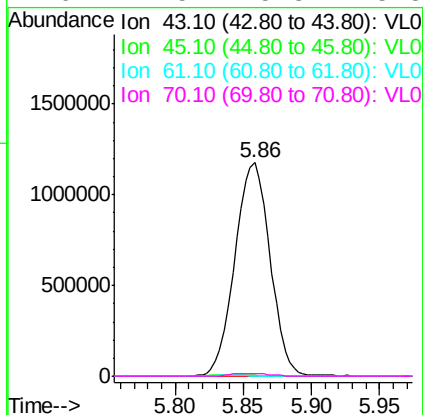
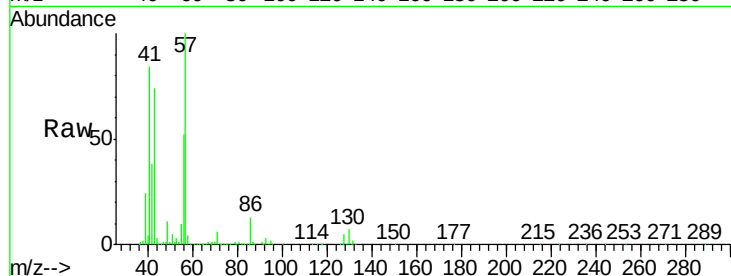




#25
Ethyl Acetate
Concen: 5.740 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

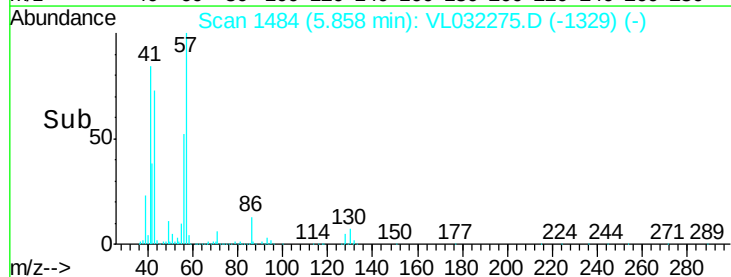
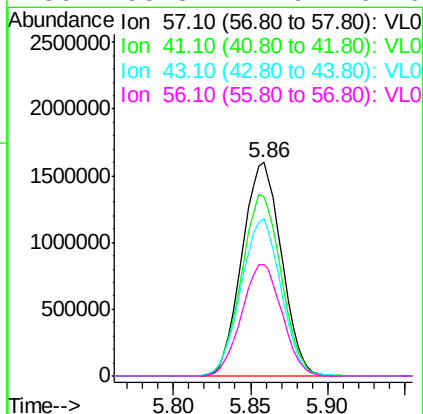
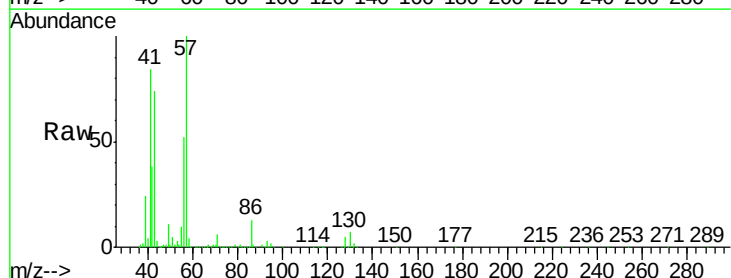
Instrument :
MSVOA_L
ClientSampleId :

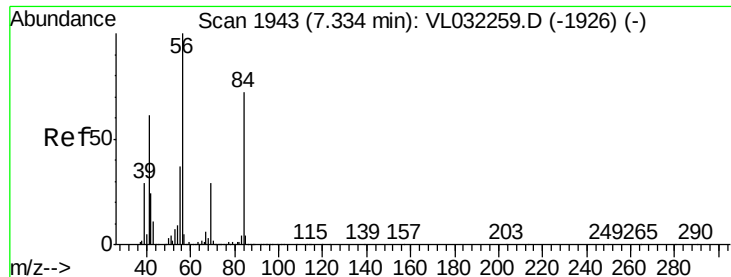
Tot Ion:	43	Resp:	2113167
Ion	Ratio	Lower	Upper
43	100		
45	0.8	7.9	11.9#
61	0.6	7.6	11.4#
70	1.5	5.8	8.8#



#26
Hexane
Concen: 16.875 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion:	57	Resp:	2852906
Ion	Ratio	Lower	Upper
57	100		
41	85.4	67.9	101.9
43	74.3	175.9	263.9#
56	53.3	41.9	62.9

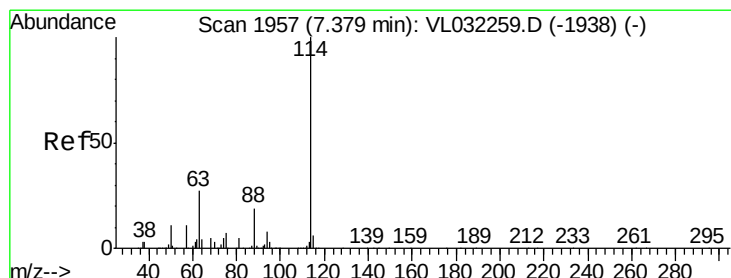
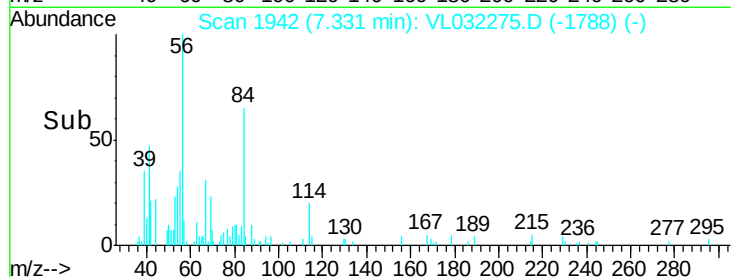
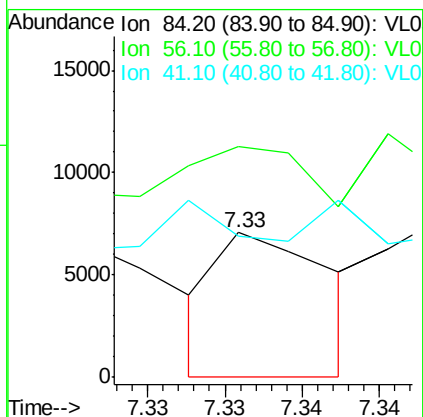
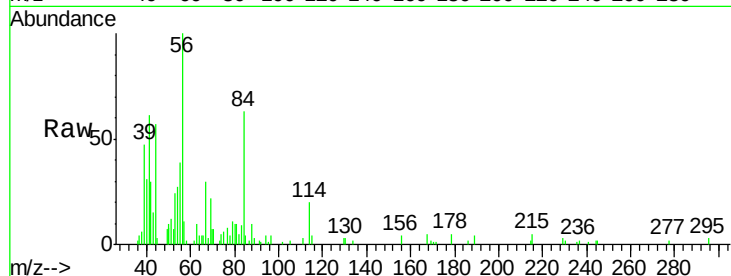




#30
Cyclohexane
Concen: 0.025 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

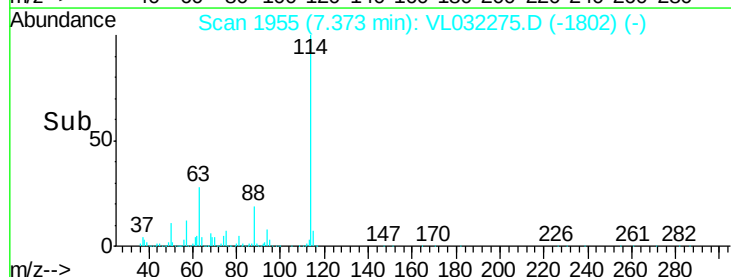
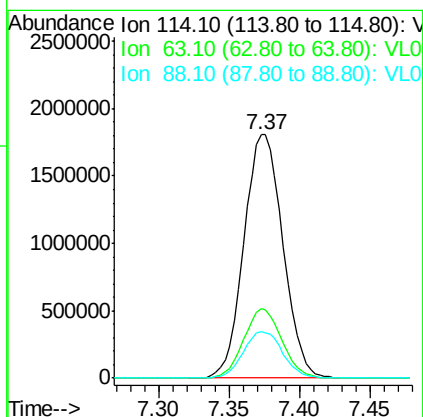
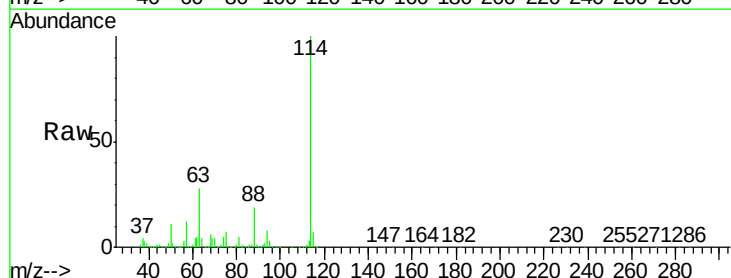
Instrument :
MSVOA_L
ClientSampleId :

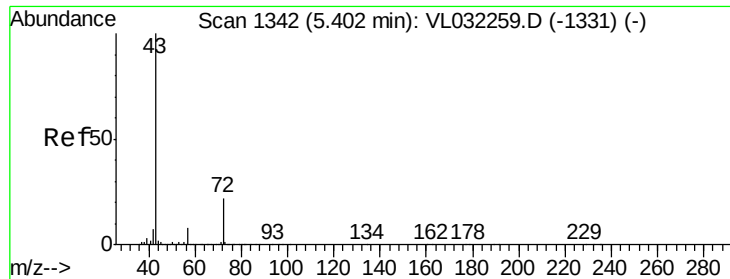
Tot Ion: 84 Resp: 3549
Ion Ratio Lower Upper
84 100
56 0.0 115.6 173.4#
41 427.1 68.7 103.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion: 114 Resp: 3498793
Ion Ratio Lower Upper
114 100
63 28.0 22.6 33.8
88 19.3 15.2 22.8

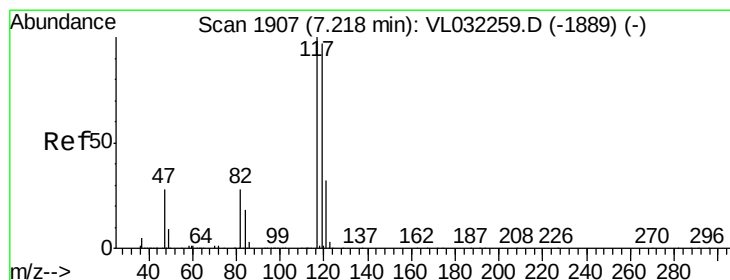
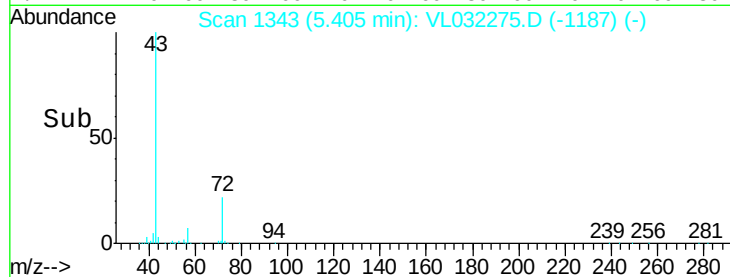
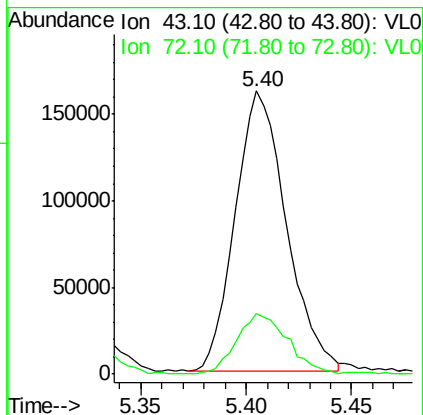
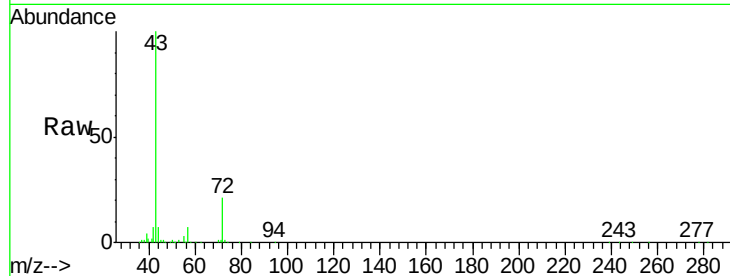




#34
2-Butanone
Concen: 1.141 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

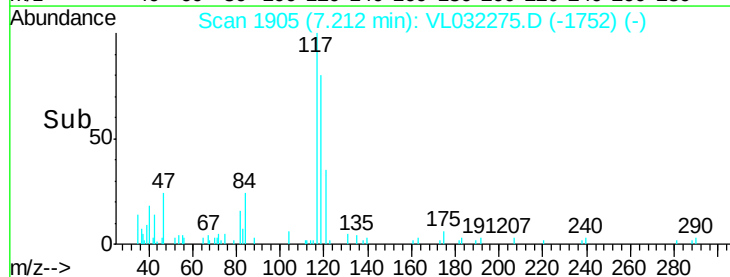
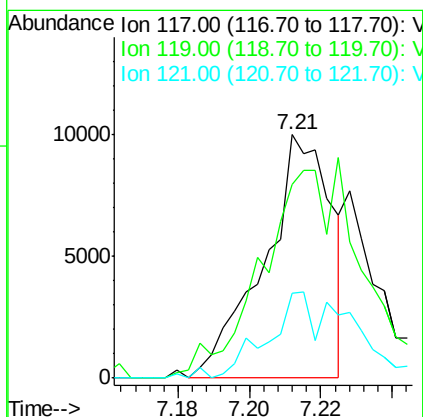
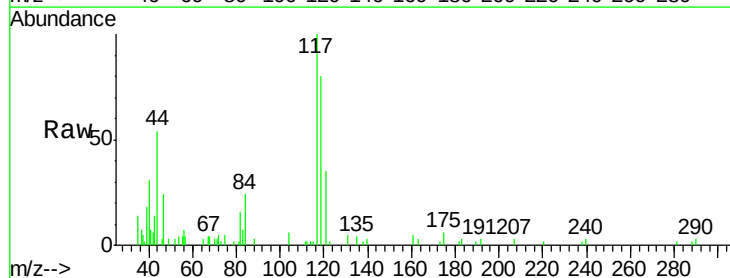
Instrument :
MSVOA_L
ClientSampleId :

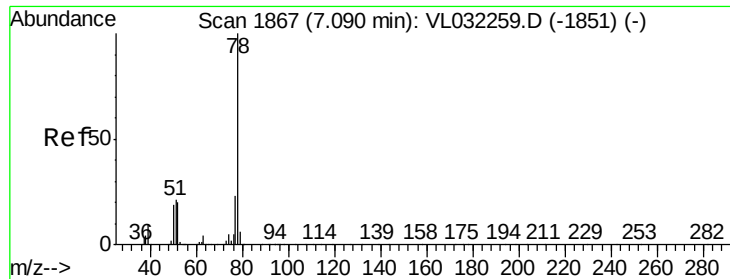
Tot Ion: 43 Resp: 273857
Ion Ratio Lower Upper
43 100
72 22.1 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 7.21 min Scan# 1905
Delta R.T. -0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion: 117 Resp: 12941
Ion Ratio Lower Upper
117 100
119 76.4 77.4 116.0#
121 35.1 25.4 38.2





#36

Benzene

Concen: 0.175 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

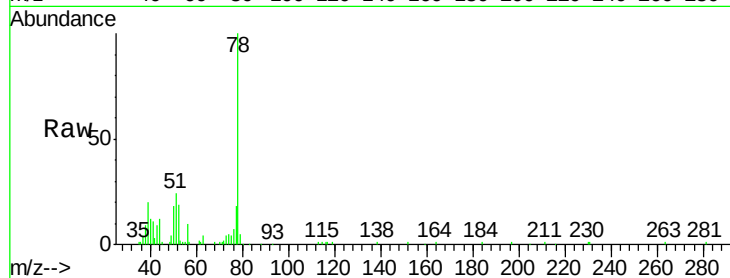
Instrument :

MSVOA_L

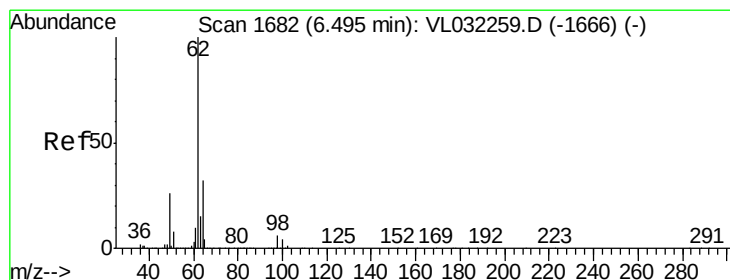
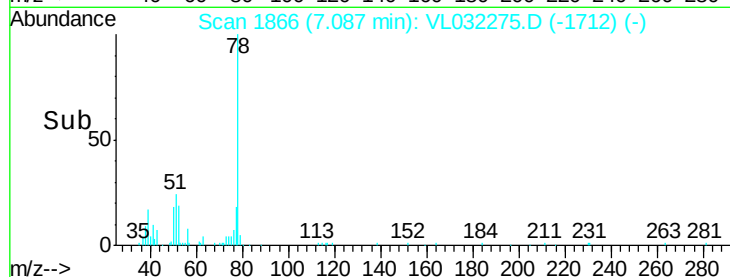
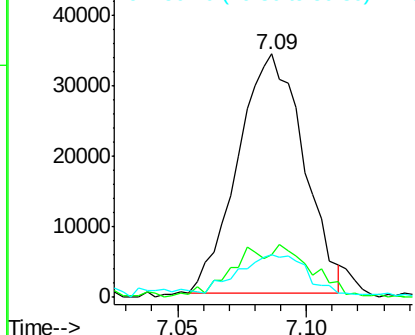
ClientSampleId :

Tot Ion: 78 Resp: 60232

Ion	Ratio	Lower	Upper
78	100		
77	16.5	18.6	27.8#
50	15.1	15.0	22.6



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



#37

1,2-Dichloroethane

Concen: 0.032 ppbv

RT: 6.49 min Scan# 1681

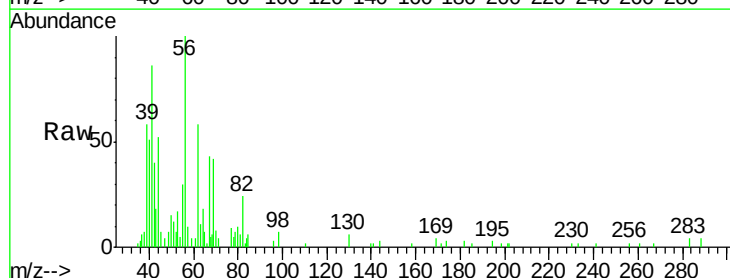
Delta R.T. -0.00 min

Lab File: VL032275.D

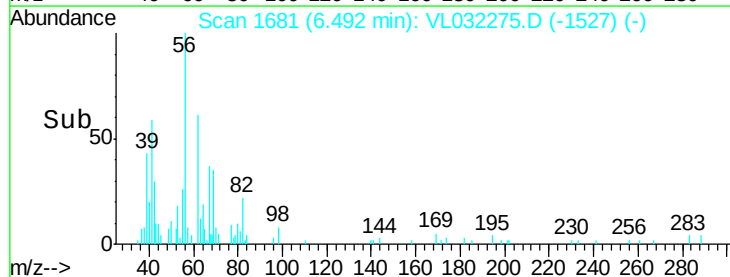
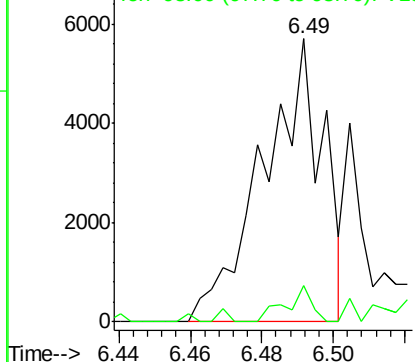
Acq: 19 Jul 2018 00:29

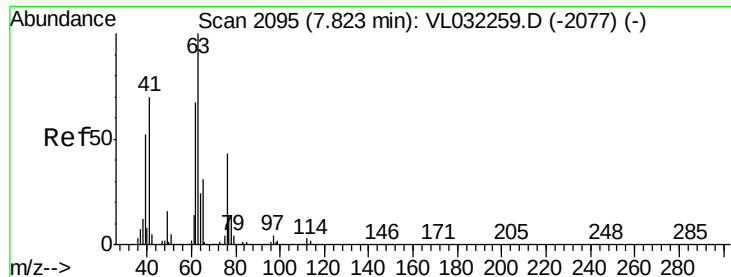
Tgt Ion: 62 Resp: 6587

Ion	Ratio	Lower	Upper
62	100		
98	8.6	4.9	7.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.106 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.45 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

ClientSampleId :

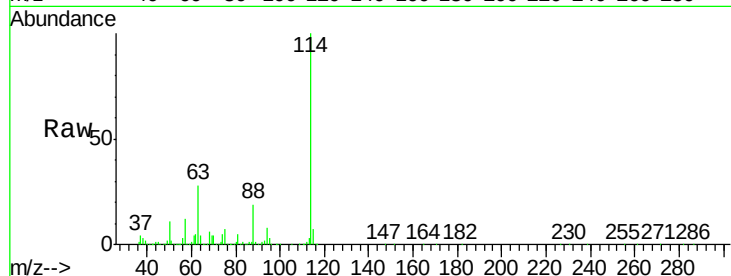
Tot Ion: 63 Resp: 968817

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

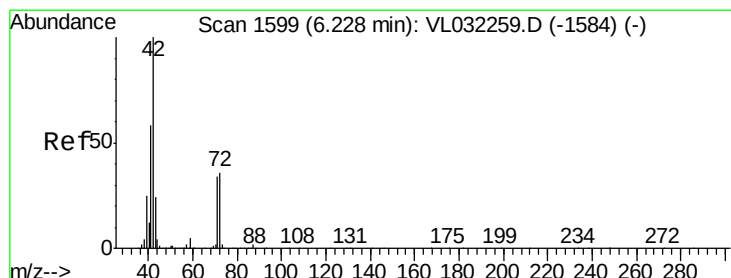
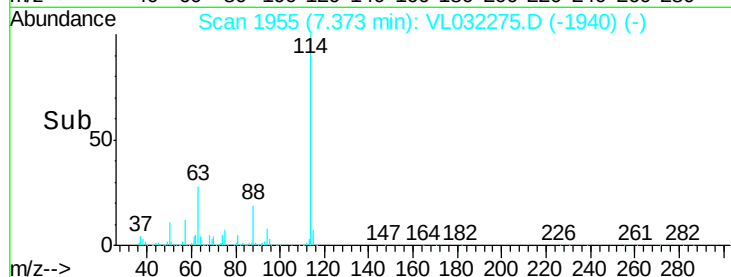
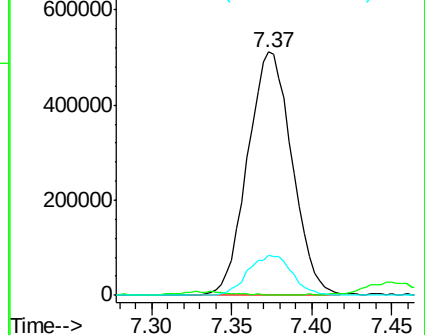
62 16.3 53.8 80.8#



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: 0.175 ppbv

RT: 6.20 min Scan# 1590

Delta R.T. -0.03 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

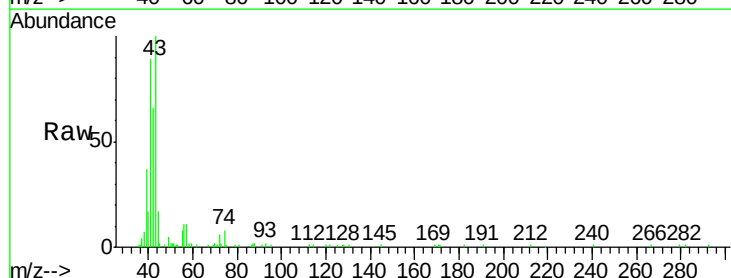
Tgt Ion: 42 Resp: 24457

Ion Ratio Lower Upper

42 100

72 21.5 29.4 44.0#

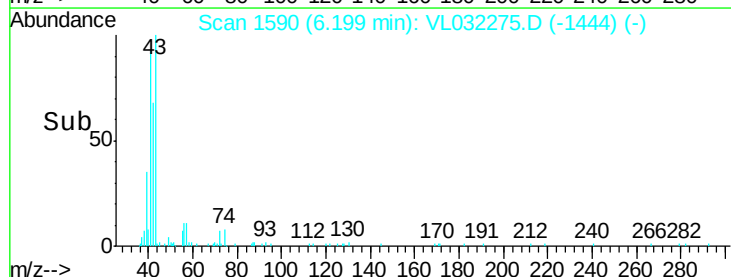
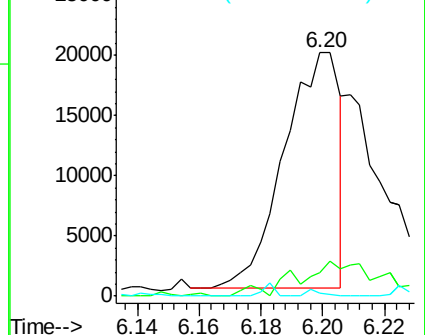
71 0.0 28.2 42.4#

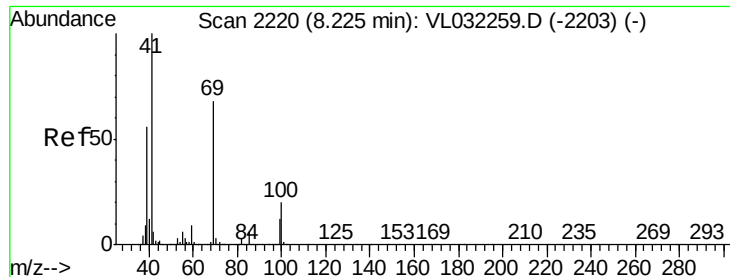


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#43

Methyl Methacrylate

Concen: 0.038 ppbv

RT: 8.22 min Scan# 2218

Delta R.T. -0.01 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

ClientSampleId :

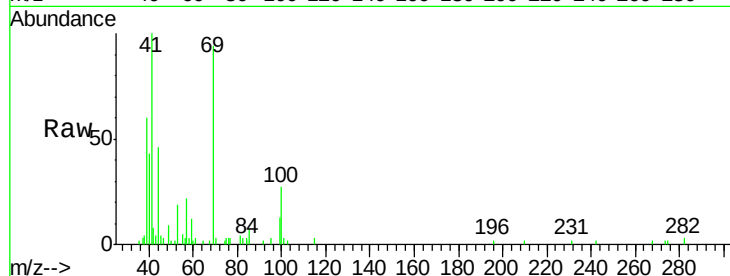
Tot Ion: 69 Resp: 5426

Ion Ratio Lower Upper

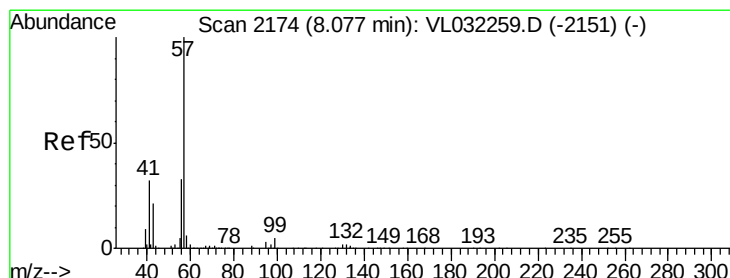
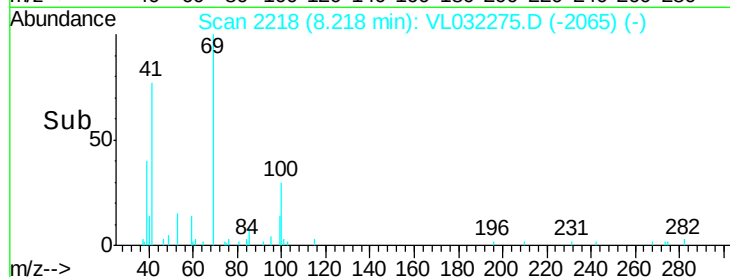
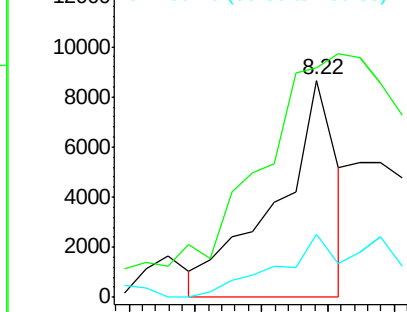
69 100

41 0.0 118.6 177.8#

100 70.2 23.3 34.9#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.168 ppbv

RT: 8.08 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

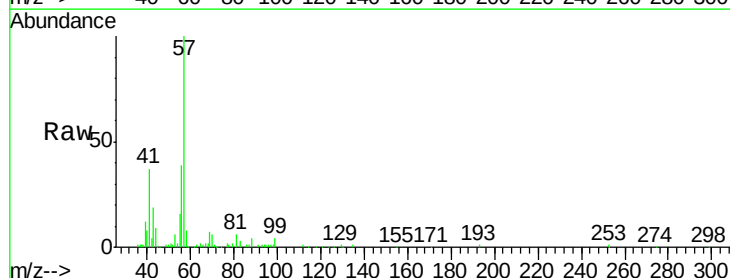
Tgt Ion: 57 Resp: 100559

Ion Ratio Lower Upper

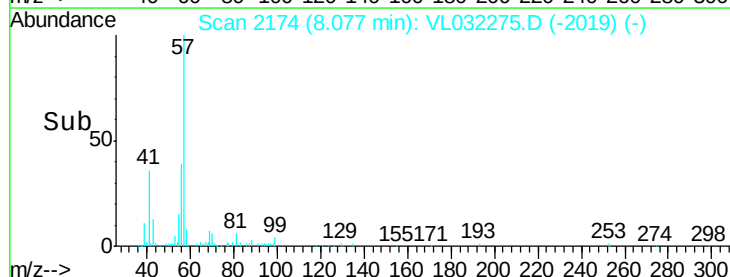
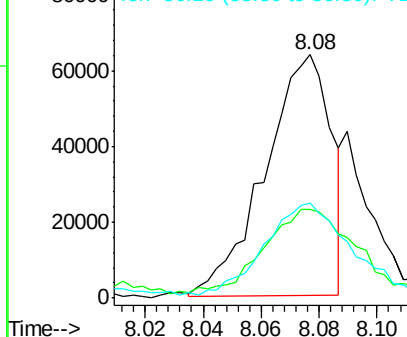
57 100

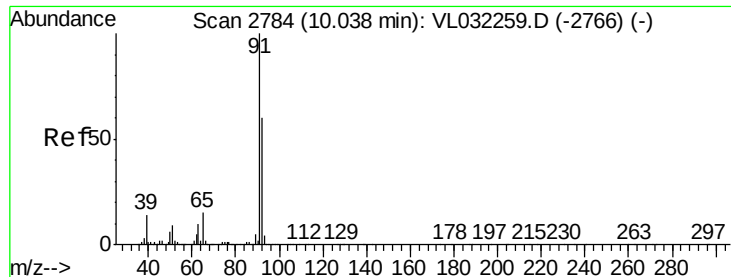
41 50.8 24.4 36.6#

56 55.3 25.7 38.5#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 1.052 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

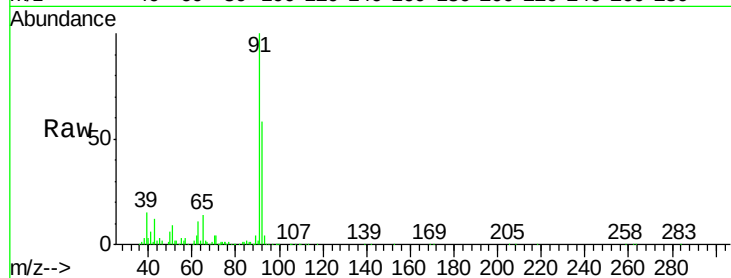
ClientSampleId :

Tot Ion: 91 Resp: 439077

Ion Ratio Lower Upper

91 100

92 59.0 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

10.03

250000

200000

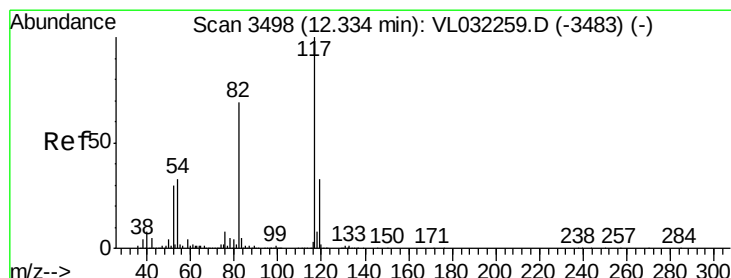
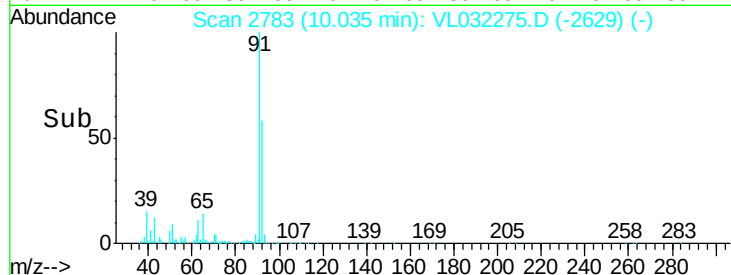
150000

100000

50000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

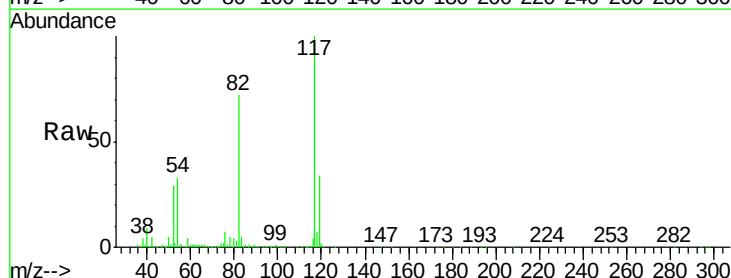
Tgt Ion: 117 Resp: 4051460

Ion Ratio Lower Upper

117 100

82 70.2 53.9 80.9

119 32.6 25.5 38.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

12.33

2000000

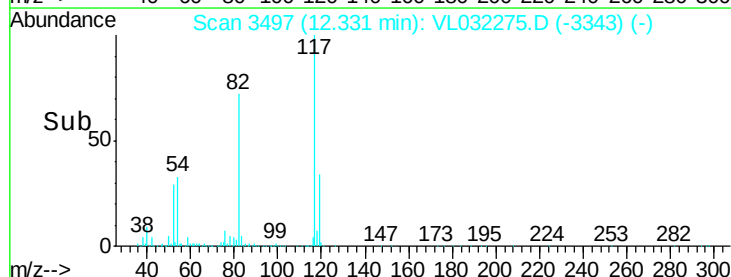
1500000

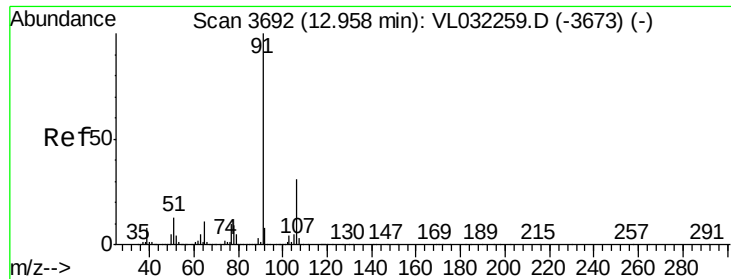
1000000

500000

0

Time-->





#58

Ethyl Benzene

Concen: 0.279 ppbv

RT: 12.95 min Scan# 3690

Delta R.T. -0.01 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

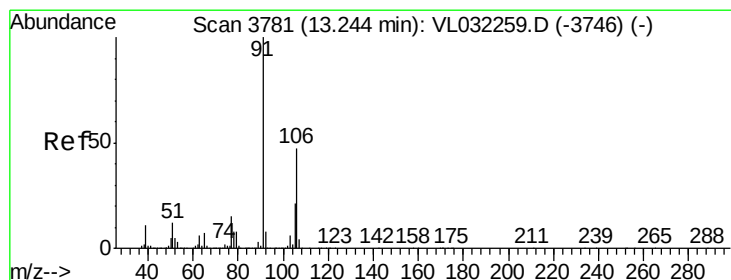
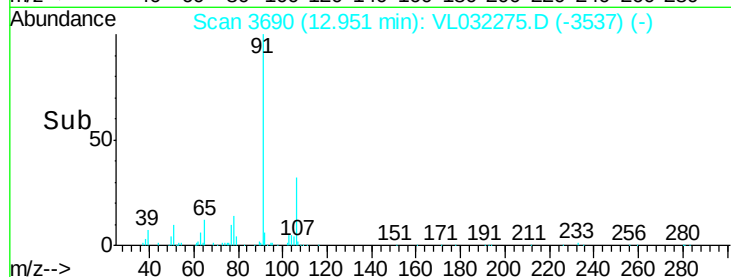
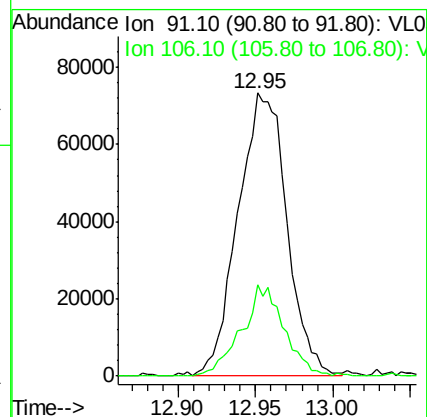
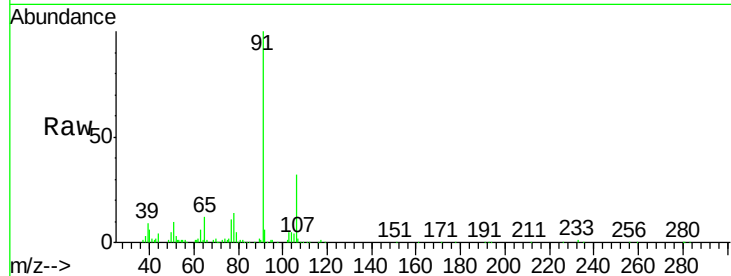
ClientSampled :

Tot Ion: 91 Resp: 159404

Ion Ratio Lower Upper

91 100

106 32.1 24.5 36.7



#59

m/p-Xylene

Concen: 1.507 ppbv

RT: 13.21 min Scan# 3772

Delta R.T. -0.03 min

Lab File: VL032275.D

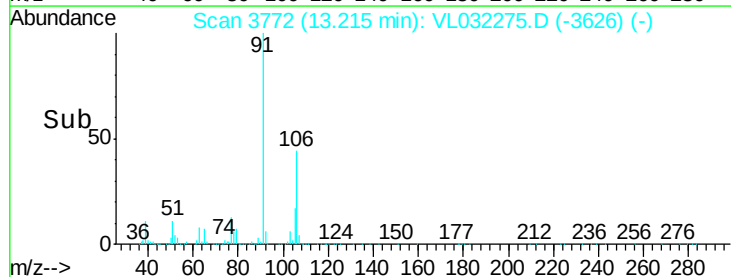
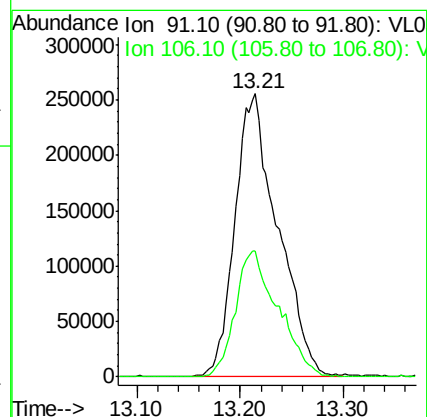
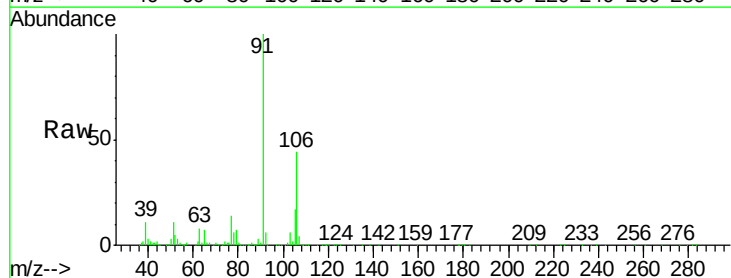
Acq: 19 Jul 2018 00:29

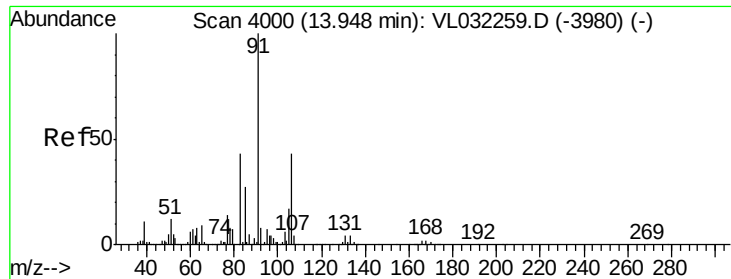
Tgt Ion: 91 Resp: 734015

Ion Ratio Lower Upper

91 100

106 44.8 36.2 54.2

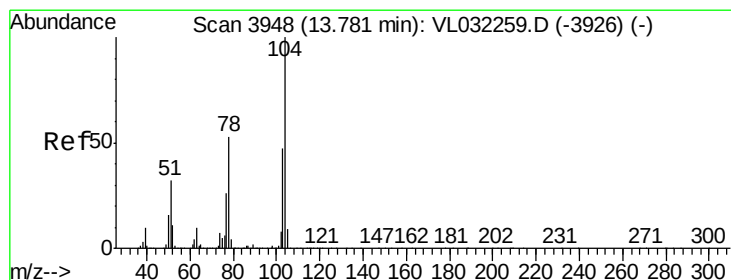
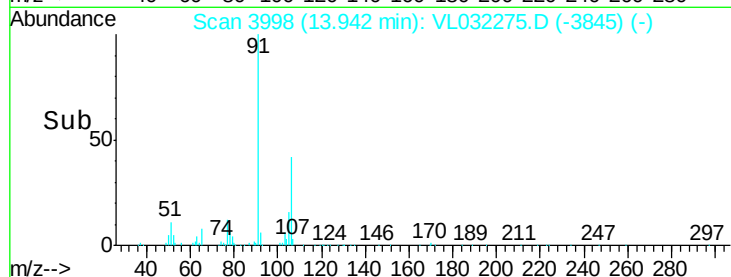
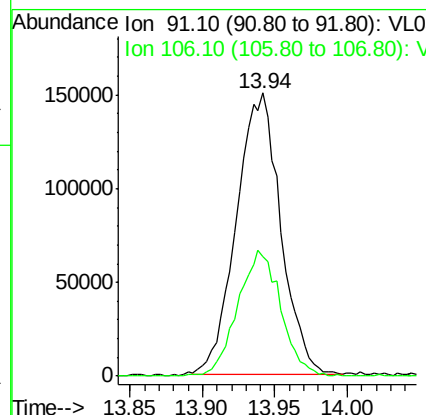
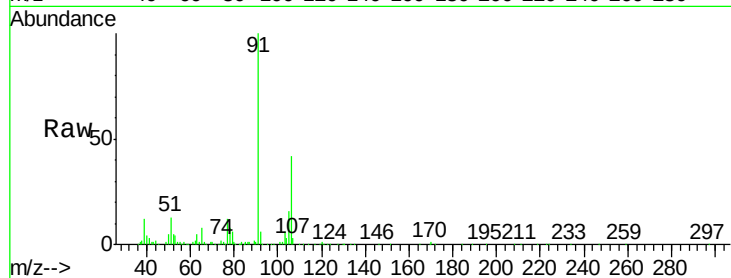




#60
o-Xylene
Concen: 0.654 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

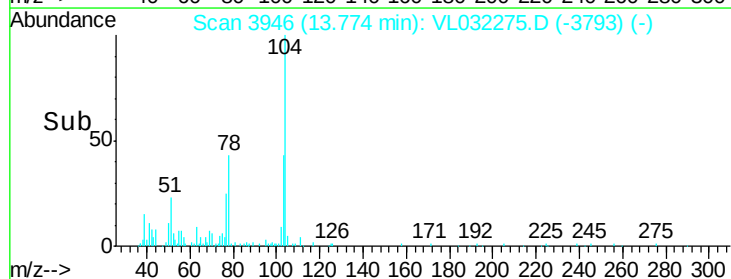
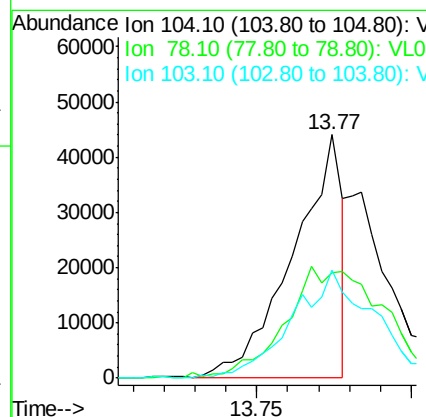
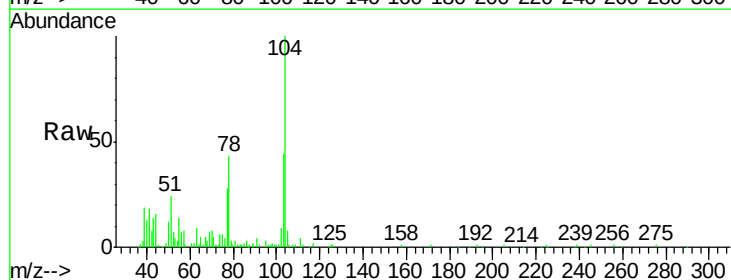
Instrument :
MSVOA_L
ClientSampleId :

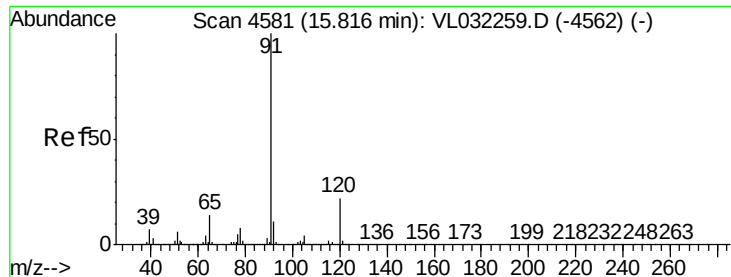
Tot Ion: 91 Resp: 317301
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1



#61
Styrene
Concen: 0.135 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL032275.D
Acq: 19 Jul 2018 00:29

Tgt Ion: 104 Resp: 48571
Ion Ratio Lower Upper
104 100
78 91.9 43.2 64.8#
103 75.0 37.8 56.6#





#64

n-propylbenzene

Concen: 0.021 ppbv

RT: 15.81 min Scan# 4580

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

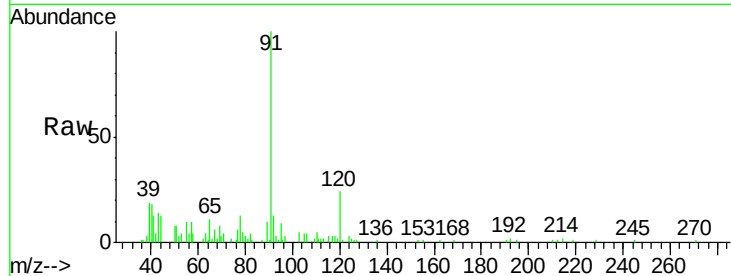
ClientSampled :

Tot Ion:120 Resp: 3751

Ion Ratio Lower Upper

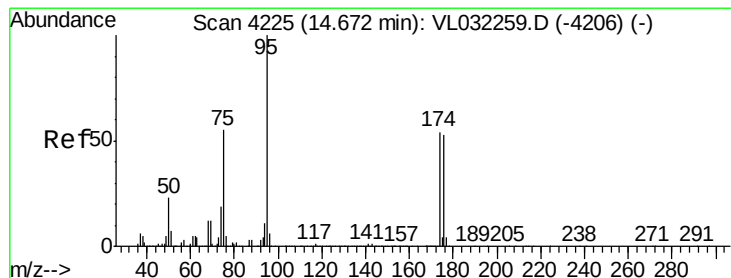
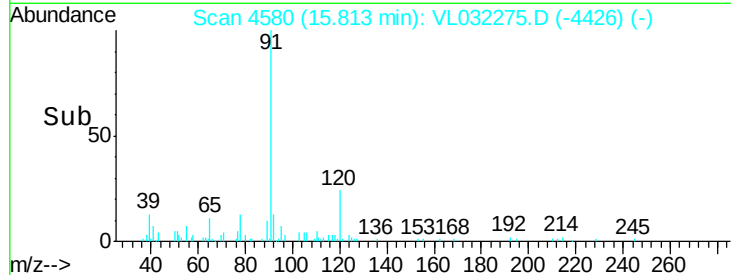
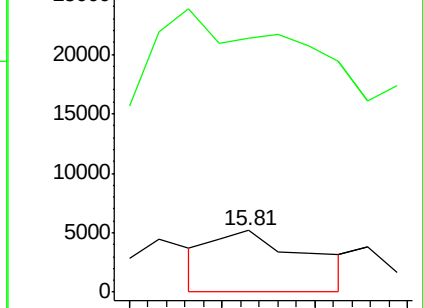
120 100

91 0.0 384.4 576.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.662 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

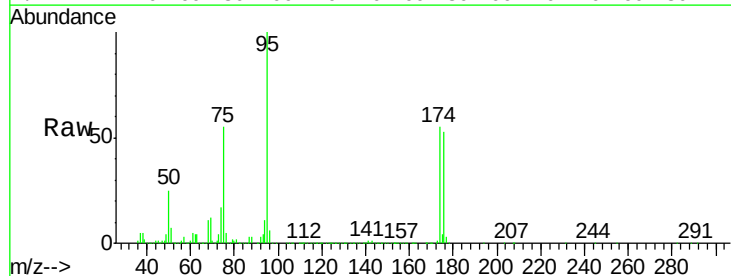
Tgt Ion: 95 Resp: 3173966

Ion Ratio Lower Upper

95 100

174 56.3 44.3 66.5

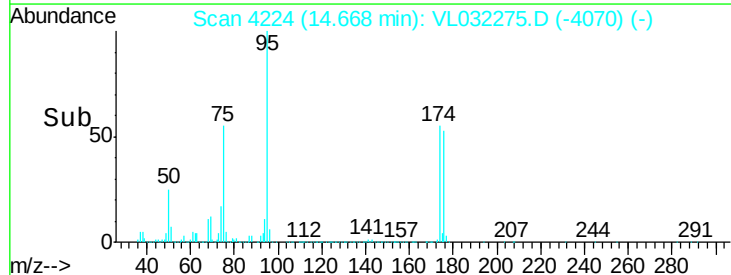
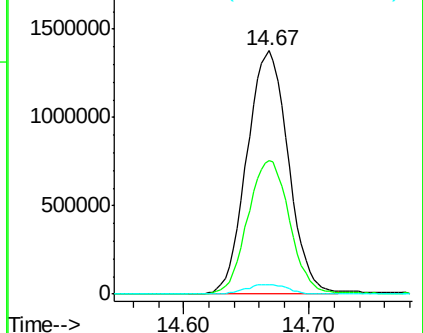
175 4.1 3.3 4.9

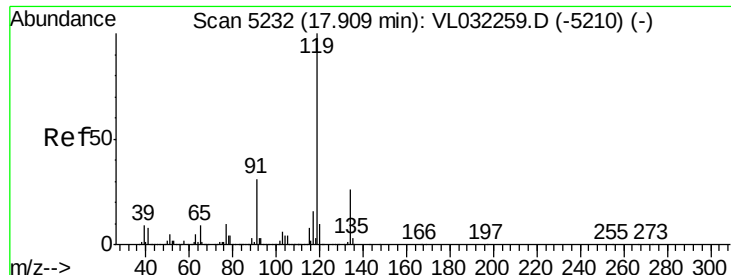


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

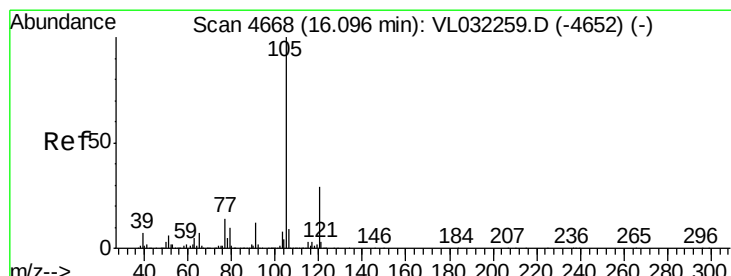
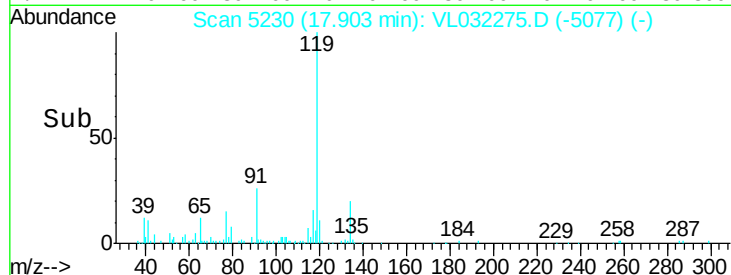
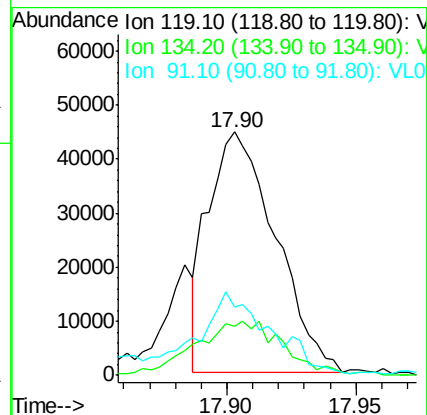
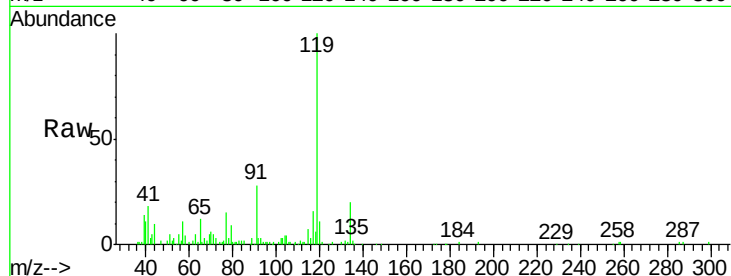




#69
 p-Isopropyltoluene
 Concen: 0.118 ppbv
 RT: 17.90 min Scan# 5230
 Delta R.T. -0.01 min
 Lab File: VL032275.D
 Acq: 19 Jul 2018 00:29

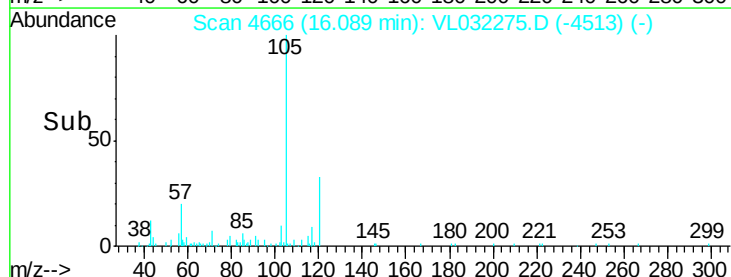
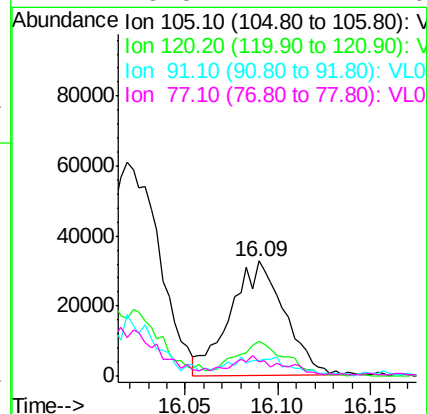
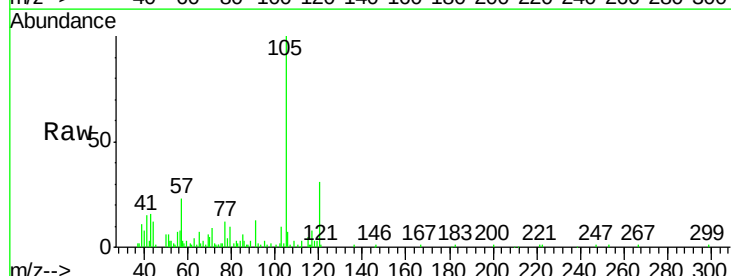
Instrument :
 MSVOA_L
 ClientSampleId :

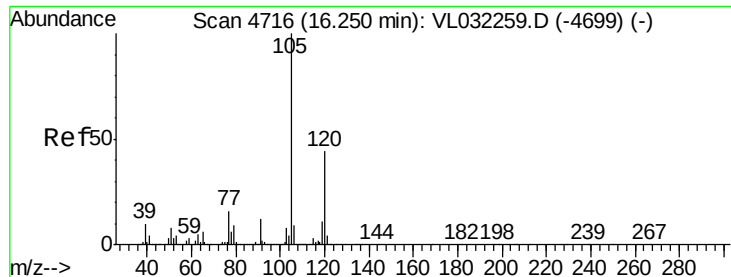
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.0	20.3	30.5
91	47.4	24.1	36.1



#72
 4-Ethyltoluene
 Concen: 0.118 ppbv
 RT: 16.09 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL032275.D
 Acq: 19 Jul 2018 00:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	23.0	34.6
91	16.6	10.1	15.1
77	15.3	11.4	17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.064 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Instrument :

MSVOA_L

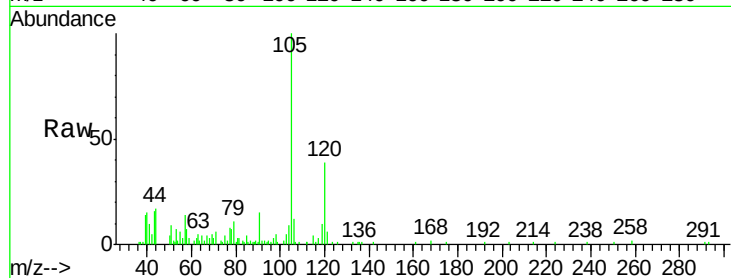
ClientSampled :

Tot Ion:105 Resp: 34940

Ion Ratio Lower Upper

105 100

120 38.5 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.25

25000

20000

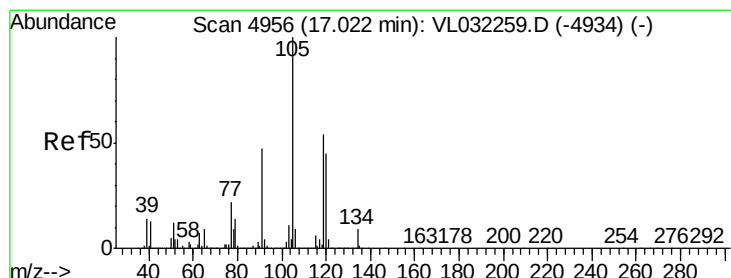
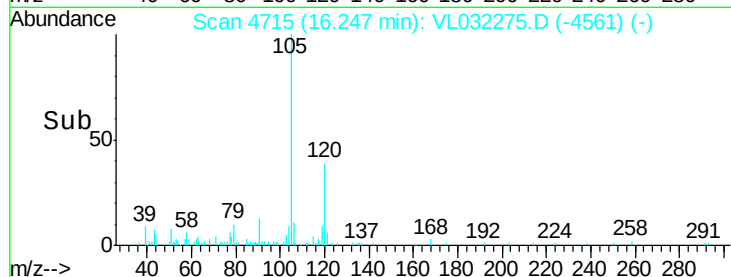
15000

10000

5000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.279 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. -0.01 min

Lab File: VL032275.D

Acq: 19 Jul 2018 00:29

Tgt Ion:105 Resp: 159993

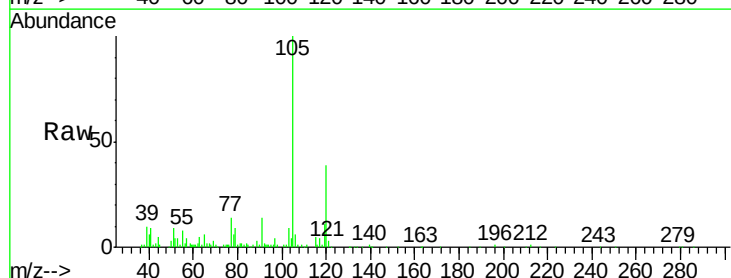
Ion Ratio Lower Upper

105 100

120 37.7 35.8 53.6

91 12.8 38.2 57.4#

77 12.7 17.5 26.3#



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

120000

100000

80000

60000

40000

20000

0

Time-->

