

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032294.D
 Acq On : 19 Jul 2018 18:54
 Operator : SY/AP
 Sample : J4063-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 02:09:52 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	1580844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3319465	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	3876868	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	3054671	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.13	85	152120	0.566	ppbv 92
3) Chlorodifluoromethane	3.06	51	1212852	6.836	ppbv 96
4) Chloromethane	3.22	50	64853	0.621	ppbv # 86
7) Chloroethane	3.66	64	869	0.025	ppbv # 68
8) Dichlorotetrafluoroethane	3.27	85	4446	0.020	ppbv 93
9) Propene	3.10	41	237369	3.061	ppbv # 73
10) Heptane	8.33	43	33812	0.137	ppbv 99
11) Trichlorofluoromethane	4.07	101	54013	0.257	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	5827	0.043	ppbv # 18
13) Ethanol	3.71	45	1108724	50.048	ppbv 100
15) Acetone	3.95	43	4673915	28.249	ppbv 97
16) 1,3-Butadiene	3.40	39	43900	0.521	ppbv # 46
19) Isopropyl Alcohol	4.12	45	182081	1.627	ppbv # 95
20) Methylene Chloride	4.48	84	309683	4.862	ppbv 95
23) Vinyl Acetate	5.22	43	131890	0.444	ppbv # 54
25) Ethyl Acetate	5.85	43	443272	1.230	ppbv # 37
26) Hexane	5.85	57	319512	1.930	ppbv # 67
27) Carbon Disulfide	4.69	76	14895	0.102	ppbv # 25
30) Cyclohexane	7.33	84	21219	0.153	ppbv # 71
31) cis-1,2-Dichloroethene	5.84	61	41439	0.261	ppbv # 36
34) 2-Butanone	5.40	43	377628	1.658	ppbv 99
35) Carbon Tetrachloride	7.22	117	11039	0.048	ppbv # 59
36) Benzene	7.09	78	80321	0.246	ppbv 97
37) 1,2-Dichloroethane	6.49	62	299881	1.554	ppbv 100
39) 1,2-Dichloropropane	7.37	63	922065	7.128	ppbv # 26
41) Tetrahydrofuran	6.23	42	5502	0.041	ppbv # 1
43) Methyl Methacrylate	8.21	69	14768	0.110	ppbv # 1
44) 2,2,4-Trimethylpentane	8.08	57	82349	0.145	ppbv # 76
50) 4-Methyl-2-Pentanone	8.97	43	56194	0.150	ppbv 94
52) Tetrachloroethene	11.46	164	2751	0.025	ppbv # 17
53) Toluene	10.03	91	1159216	2.926	ppbv 99
58) Ethyl Benzene	12.95	91	382591	0.700	ppbv 98
59) m/p-Xylene	13.21	91	900010	1.931	ppbv 100
60) o-Xylene	13.94	91	328744	0.708	ppbv 99
61) Styrene	13.78	104	164137	0.476	ppbv 99
64) n-propylbenzene	15.80	120	3916	0.023	ppbv # 1
69) p-Isopropyltoluene	17.90	119	54833	0.084	ppbv # 23
72) 4-Ethyltoluene	16.09	105	49059	0.091	ppbv # 94
73) 1,3,5-Trimethylbenzene	16.24	105	25511	0.049	ppbv # 81
74) 1,2,4-Trimethylbenzene	17.02	105	231747	0.422	ppbv # 67
75) 1,3-Dichlorobenzene	17.40	146	293441	0.962	ppbv 96

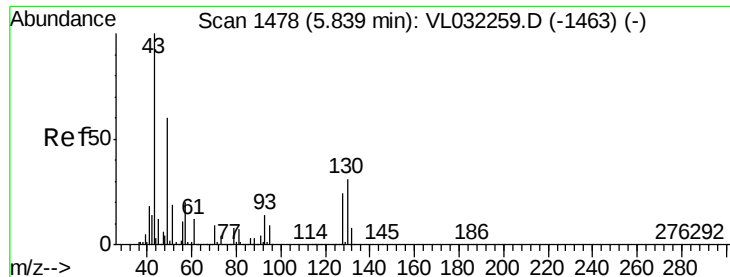
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
Data File : VL032294.D
Acq On : 19 Jul 2018 18:54
Operator : SY/AP
Sample : J4063-01
Misc : 400ml/MSVOA L
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Instrument :
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Quant Time: Jul 20 02:09:52 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)
76) 1,4-Dichlorobenzene	17.40	146	293441	0.970	ppbv	98
77) 1,2-Dichlorobenzene	18.08	146	10919	0.037	ppbv #	48
79) Naphthalene	22.52	128	39749	0.086	ppbv #	83
80) Naphthalene,2-methyl-	25.18	142	15615	0.080	ppbv #	81

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :

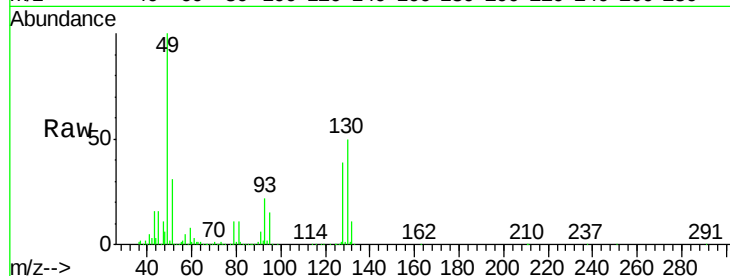
Tot Ion: 49 Resp: 1580844

Ion Ratio Lower Upper

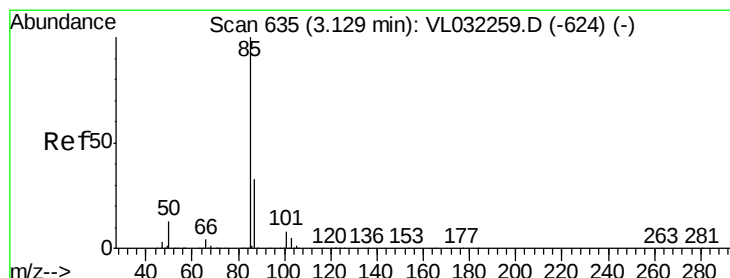
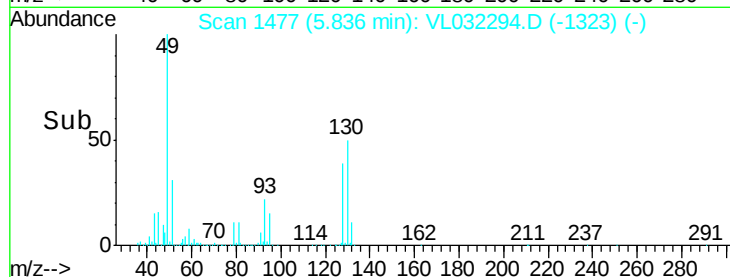
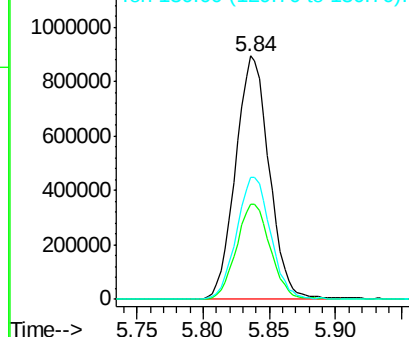
49 100

128 39.6 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): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.566 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032294.D

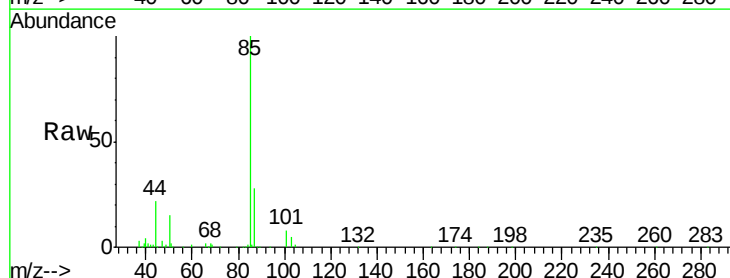
Acq: 19 Jul 2018 18:54

Tgt Ion: 85 Resp: 152120

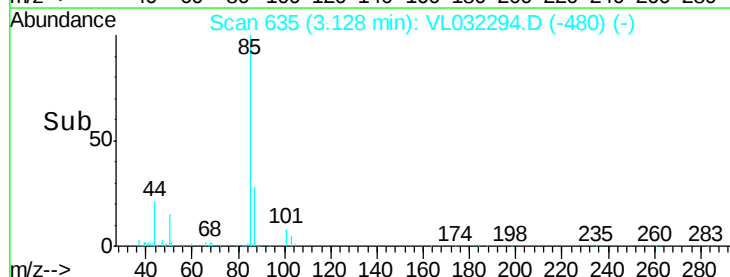
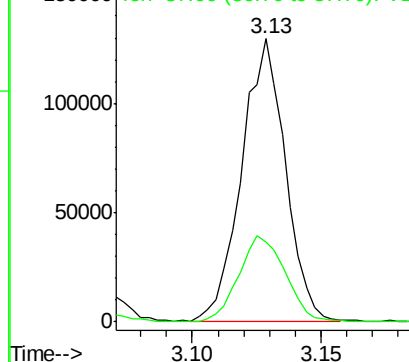
Ion Ratio Lower Upper

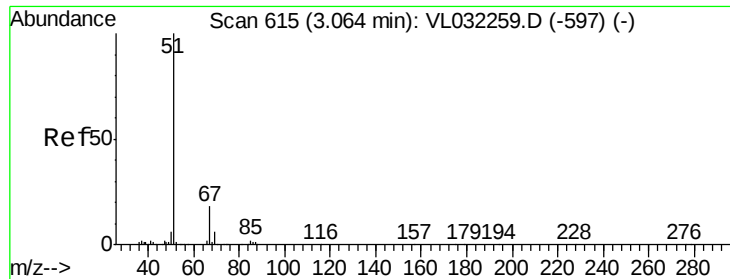
85 100

87 28.2 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: 6.836 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

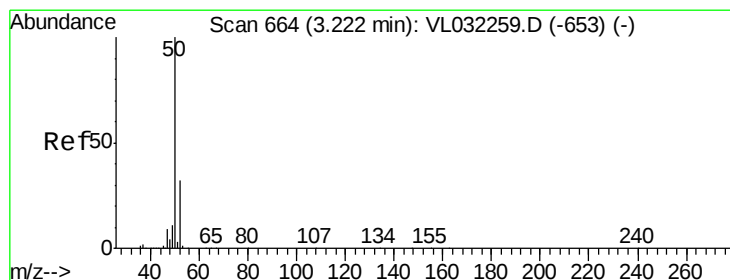
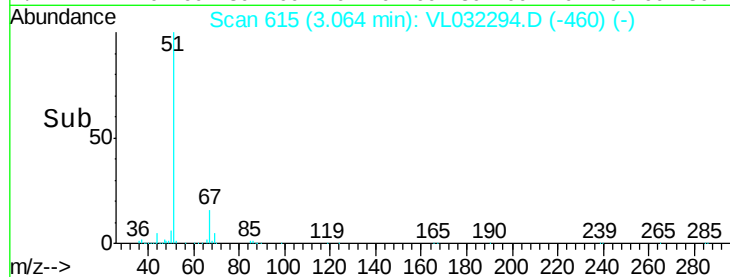
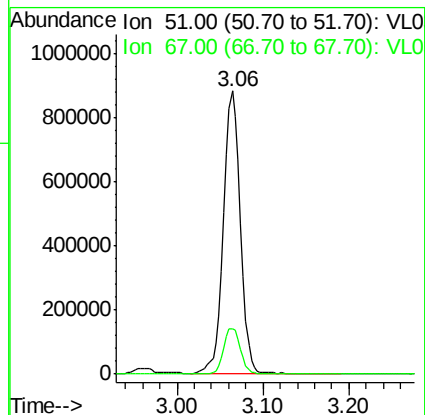
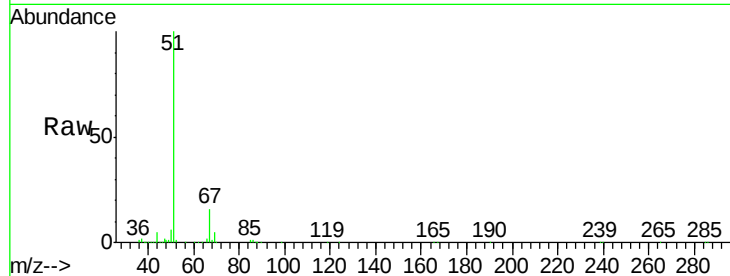
ClientSampleId :

Tot Ion: 51 Resp: 1212852

Ion Ratio Lower Upper

51 100

67 16.2 14.2 21.4



#4

Chloromethane

Concen: 0.621 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032294.D

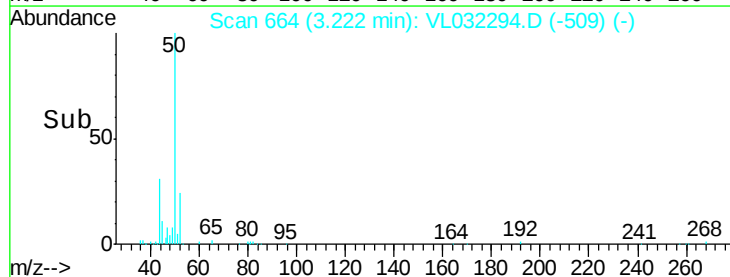
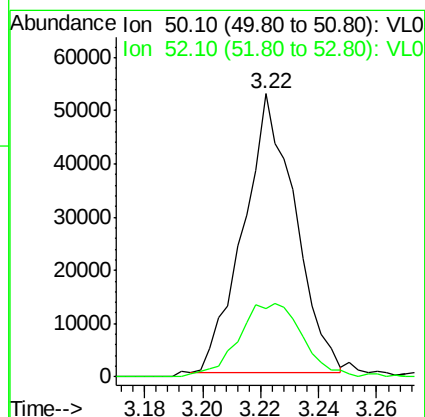
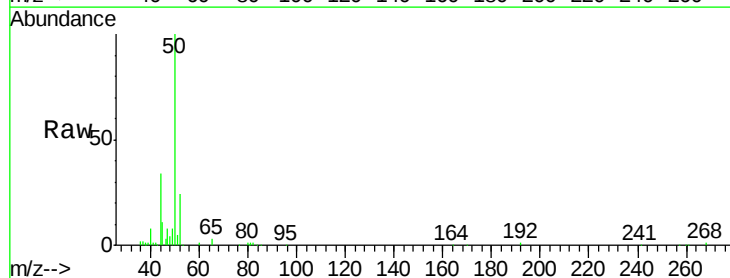
Acq: 19 Jul 2018 18:54

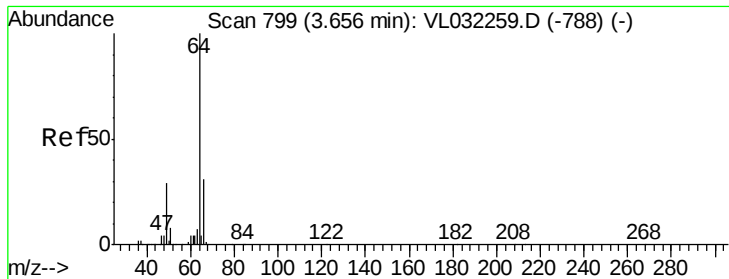
Tgt Ion: 50 Resp: 64853

Ion Ratio Lower Upper

50 100

52 23.6 25.3 37.9#





#7

Chloroethane

Concen: 0.025 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

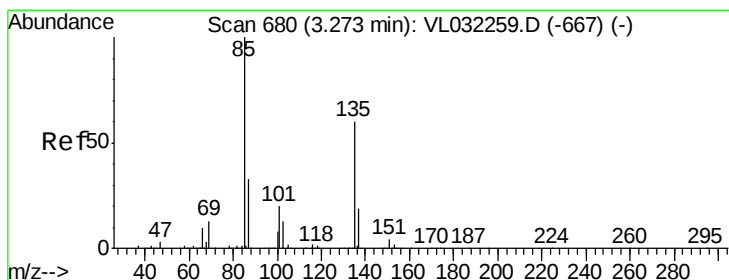
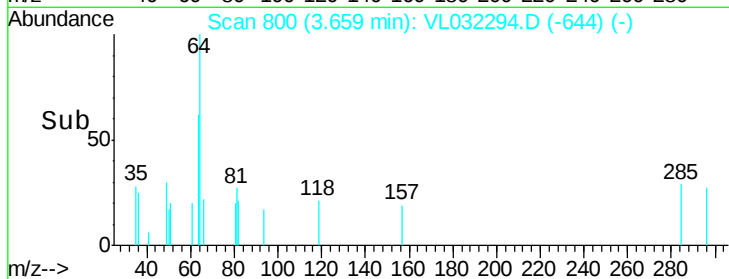
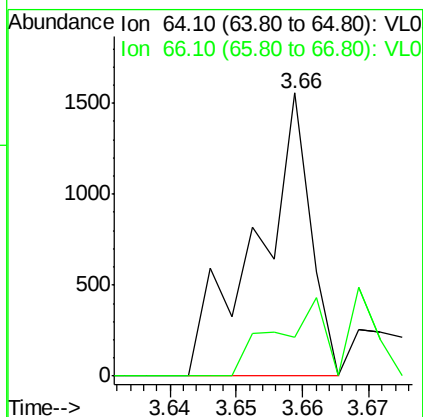
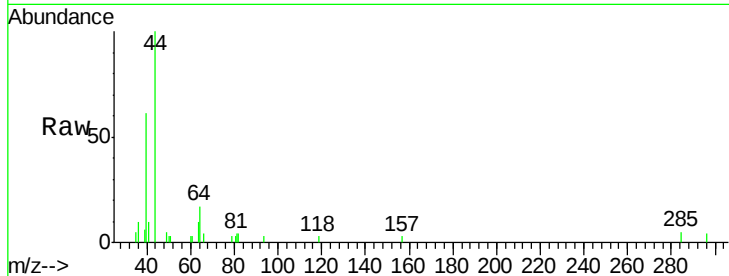
ClientSampleId :

Tot Ion: 64 Resp: 869

Ion Ratio Lower Upper

64 100

66 13.6 25.0 37.4#



#8

Dichlorotetrafluoroethane

Concen: 0.020 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032294.D

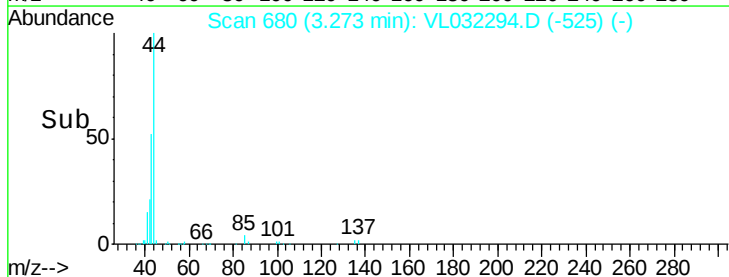
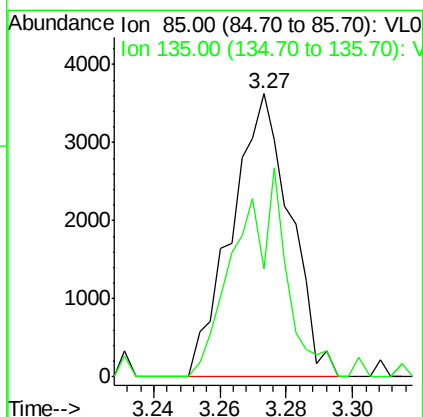
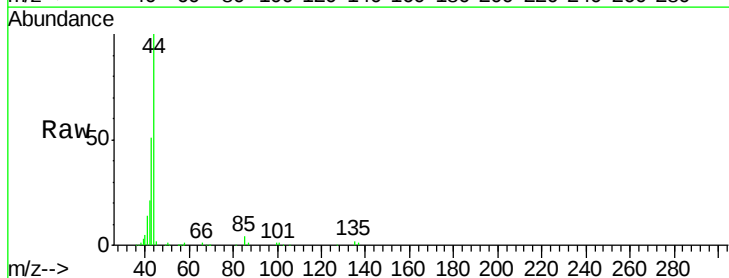
Acq: 19 Jul 2018 18:54

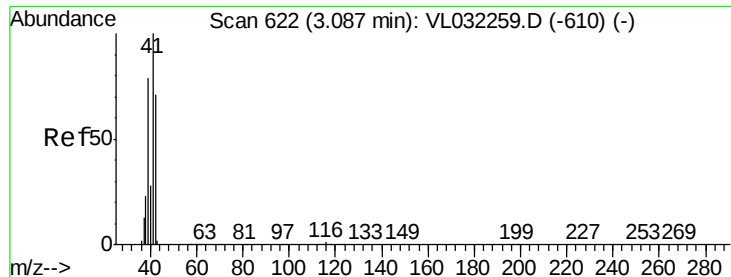
Tgt Ion: 85 Resp: 4446

Ion Ratio Lower Upper

85 100

135 64.7 47.8 71.8





#9

Propene

Concen: 3.061 ppbv

RT: 3.10 min Scan# 625

Delta R.T. 0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

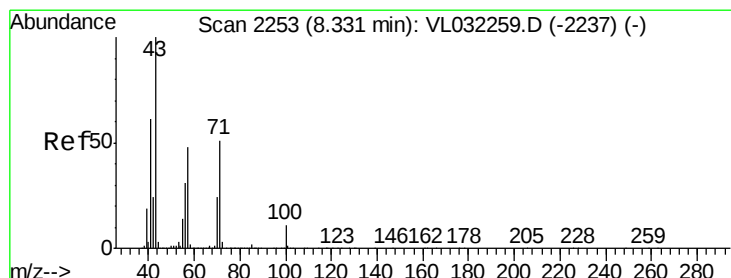
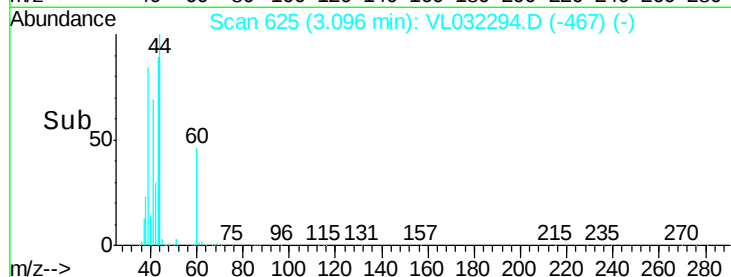
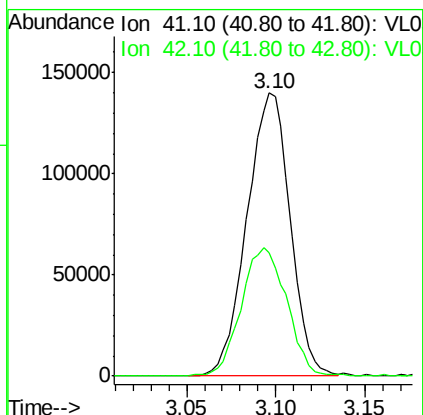
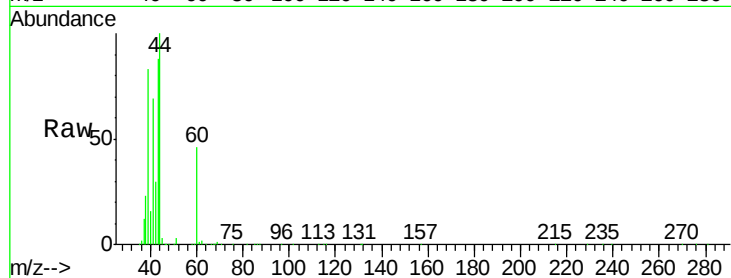
ClientSampleId :

Tot Ion: 41 Resp: 237369

Ion Ratio Lower Upper

41 100

42 47.9 56.2 84.4#



#10

Heptane

Concen: 0.137 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032294.D

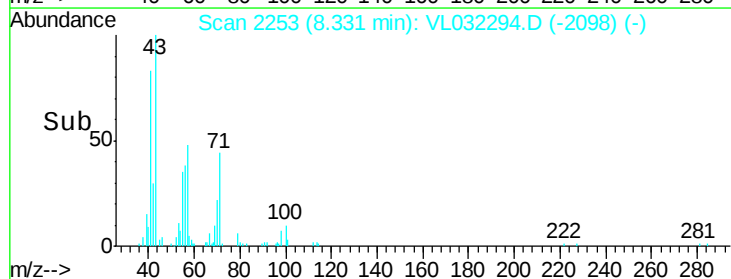
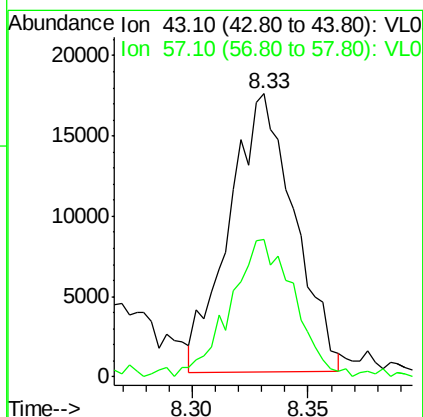
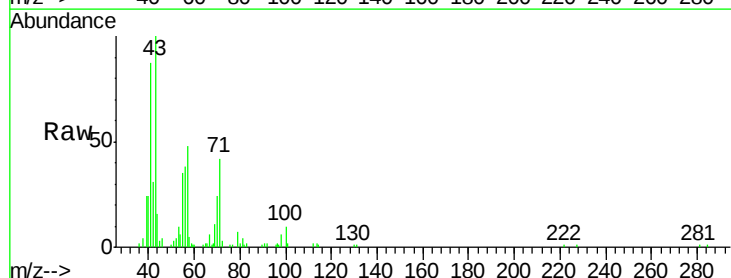
Acq: 19 Jul 2018 18:54

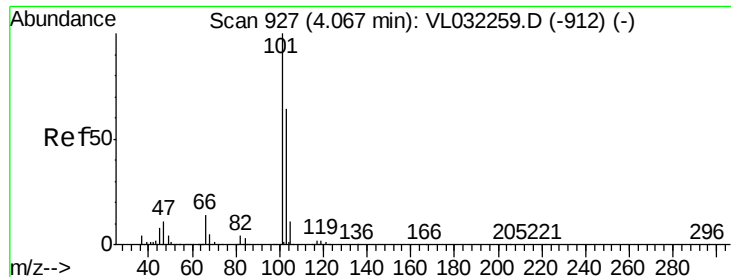
Tgt Ion: 43 Resp: 33812

Ion Ratio Lower Upper

43 100

57 50.8 39.9 59.9





#11

Trichlorofluoromethane

Concen: 0.257 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

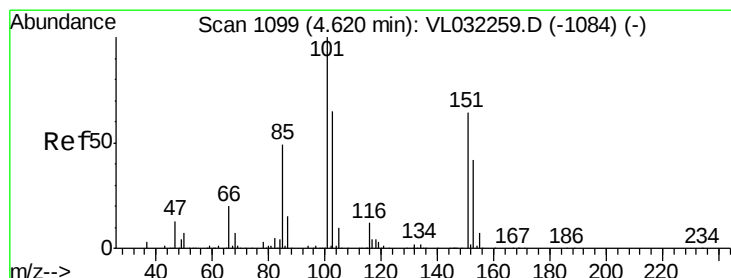
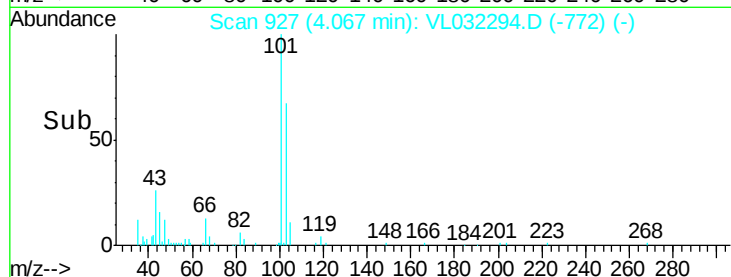
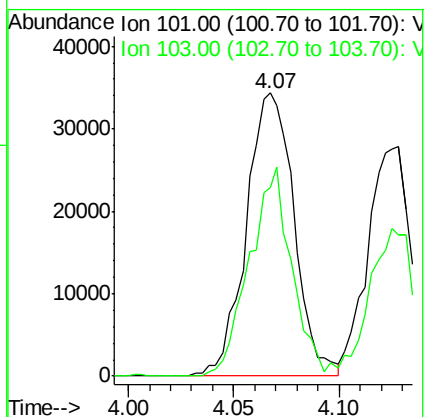
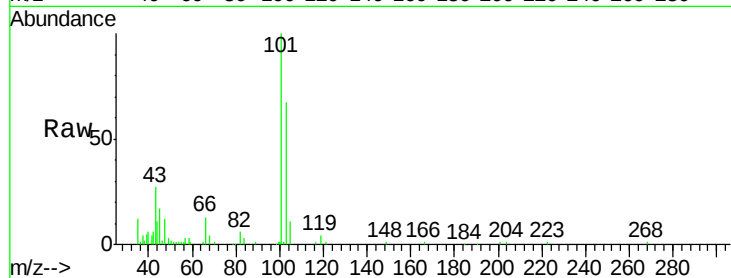
ClientSampleId :

Tot Ion:101 Resp: 54013

Ion Ratio Lower Upper

101 100

103 66.8 51.5 77.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.043 ppbv

RT: 4.62 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VL032294.D

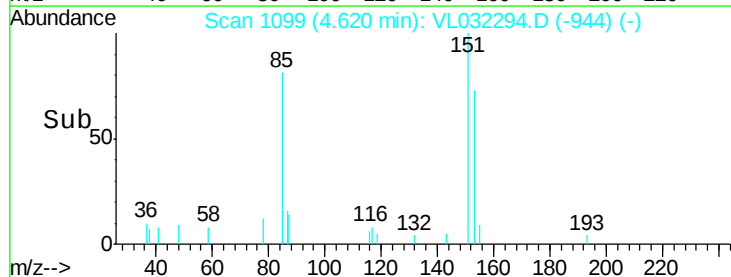
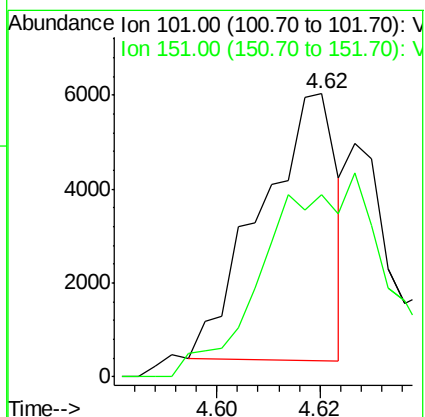
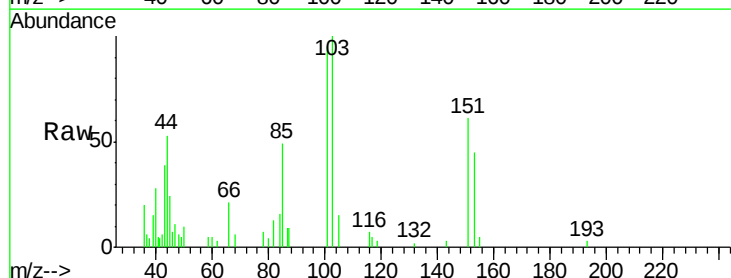
Acq: 19 Jul 2018 18:54

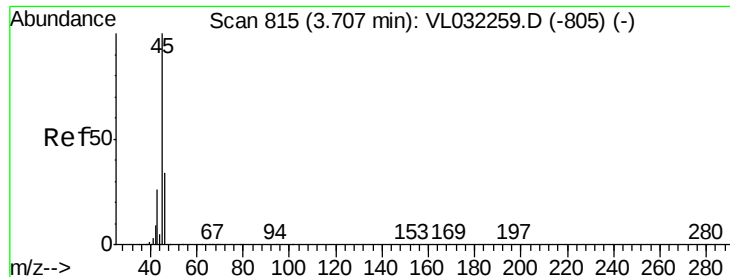
Tgt Ion:101 Resp: 5827

Ion Ratio Lower Upper

101 100

151 0.0 51.3 76.9#

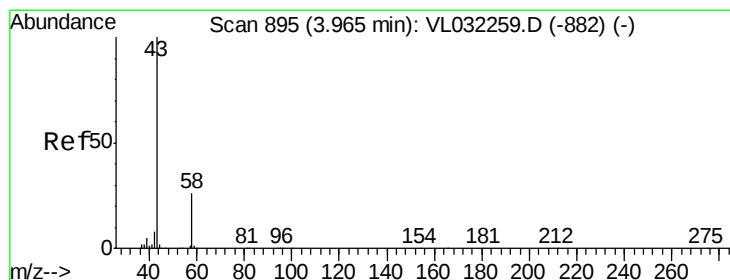
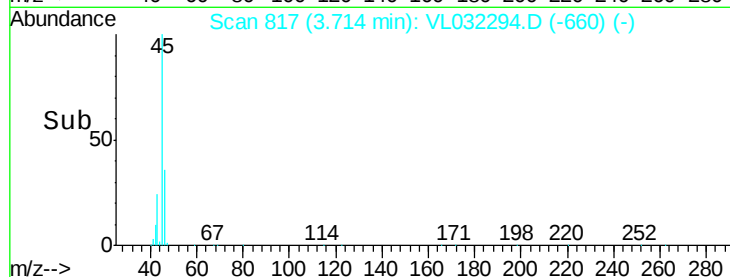
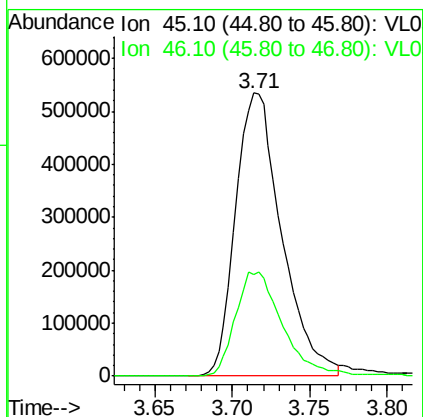
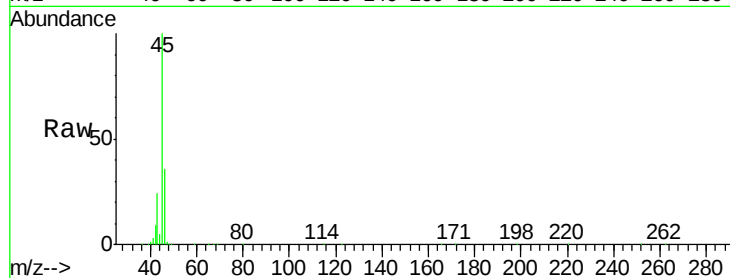




#13
Ethanol
Concen: 50.048 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

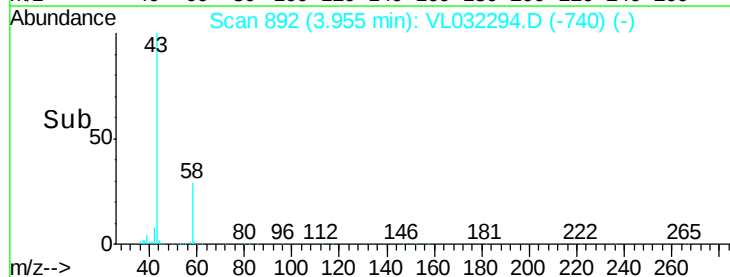
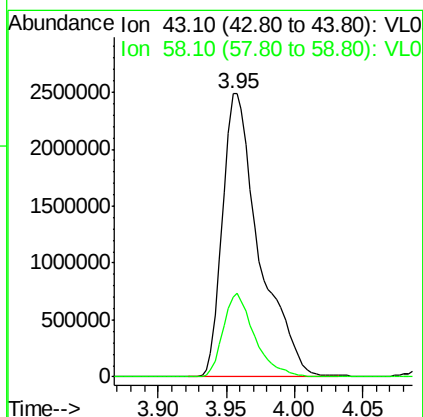
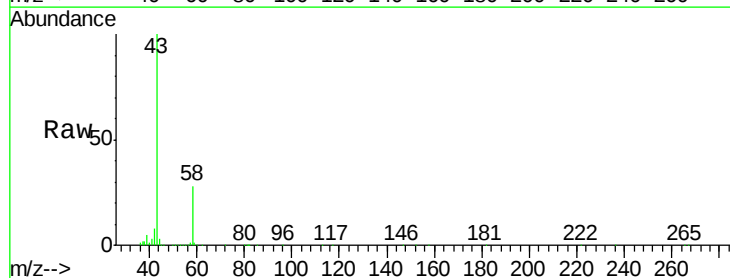
Instrument :
MSVOA_L
ClientSampled :

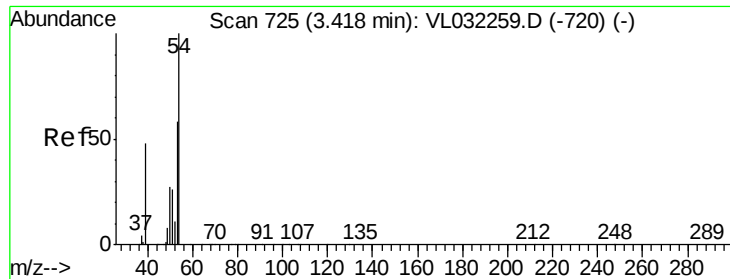
Tot Ion: 45 Resp: 1108724
Ion Ratio Lower Upper
45 100
46 38.0 15.2 60.8



#15
Acetone
Concen: 28.249 ppbv
RT: 3.95 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion: 43 Resp: 4673915
Ion Ratio Lower Upper
43 100
58 25.4 21.8 32.6

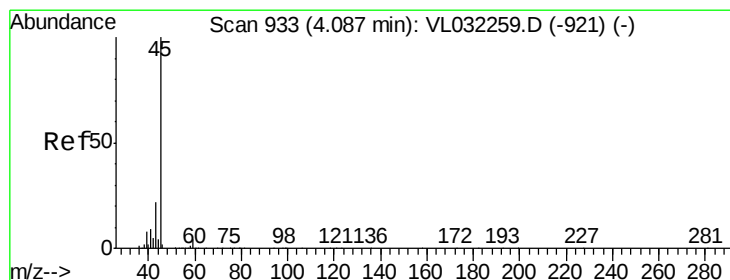
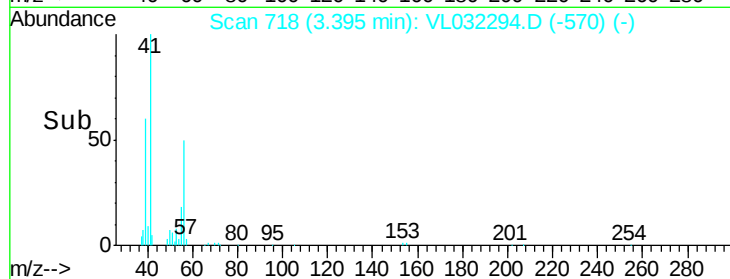
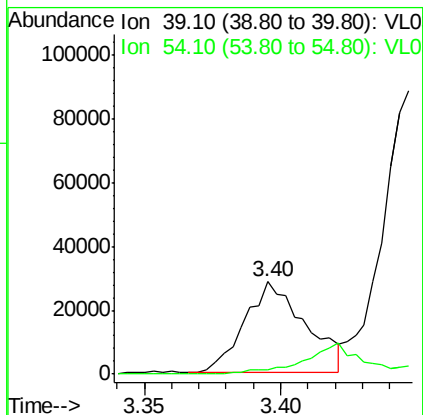
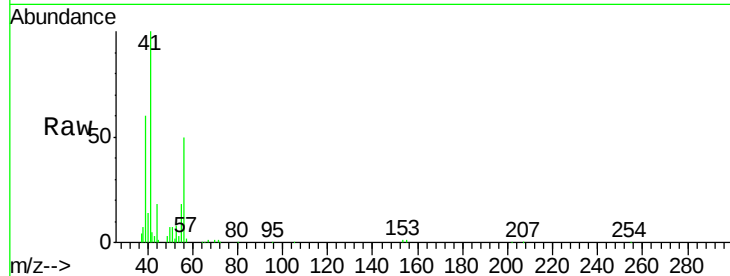




#16
 1,3-Butadiene
 Concen: 0.521 ppbv
 RT: 3.40 min Scan# 718
 Delta R.T. -0.02 min
 Lab File: VL032294.D
 Acq: 19 Jul 2018 18:54

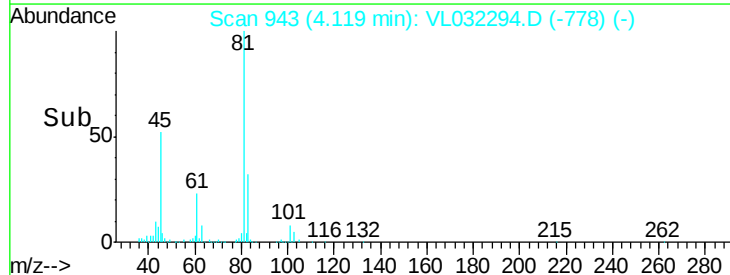
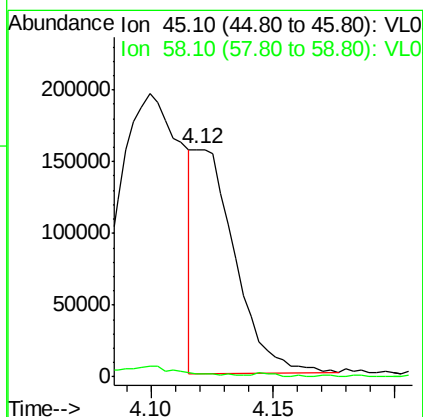
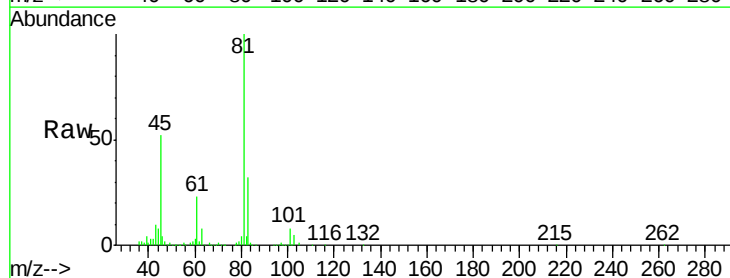
Instrument :
 MSVOA_L
 ClientSampleId :

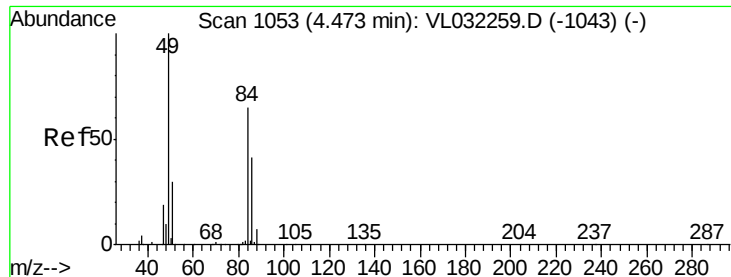
Tot Ion: 39 Resp: 43900
 Ion Ratio Lower Upper
 39 100
 54 38.1 70.6 105.8#



#19
 Isopropyl Alcohol
 Concen: 1.627 ppbv
 RT: 4.12 min Scan# 943
 Delta R.T. 0.03 min
 Lab File: VL032294.D
 Acq: 19 Jul 2018 18:54

Tgt Ion: 45 Resp: 182081
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.5 2.3#

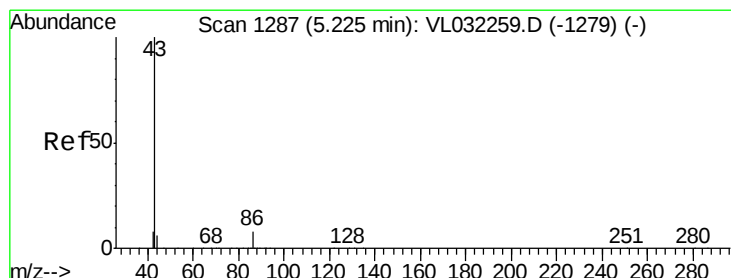
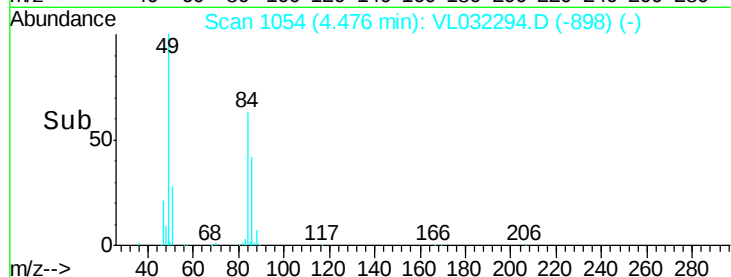
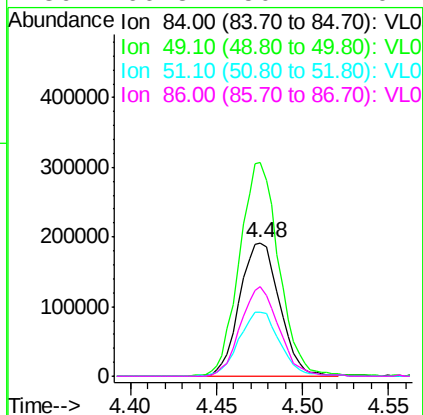
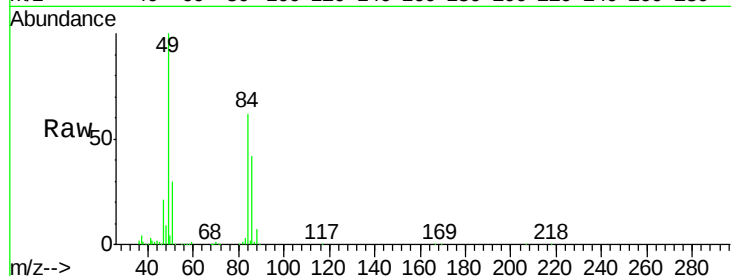




#20
Methylene Chloride
Concen: 4.862 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

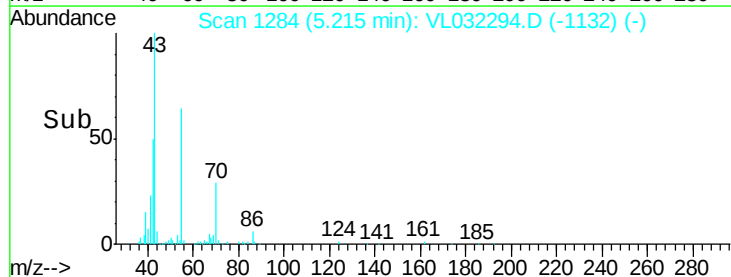
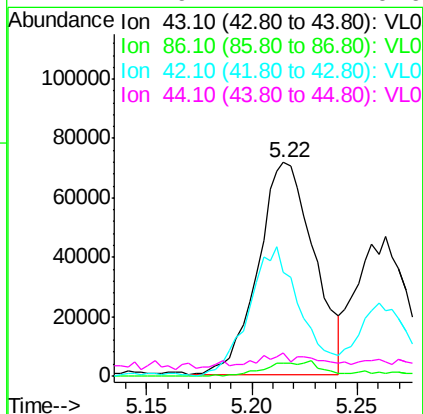
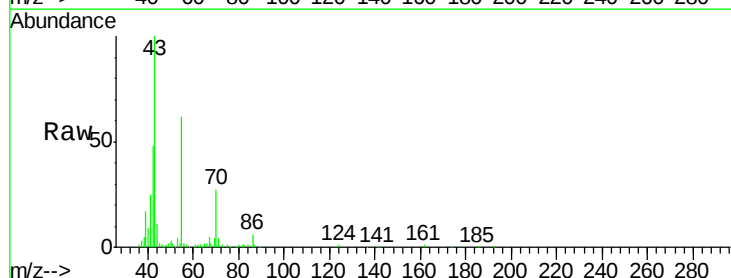
Instrument :
MSVOA_L
ClientSampleId :

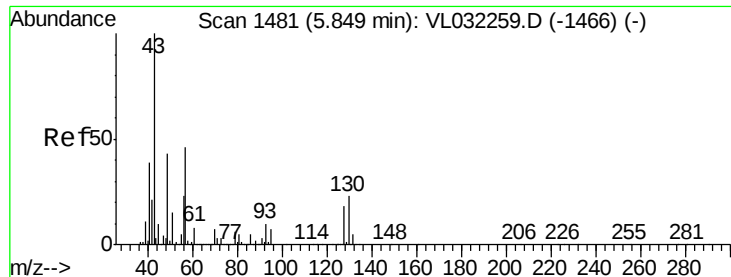
Tot Ion: 84 Resp: 309683
Ion Ratio Lower Upper
84 100
49 159.9 122.4 183.6
51 47.4 36.8 55.2
86 66.8 50.7 76.1



#23
Vinyl Acetate
Concen: 0.444 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion: 43 Resp: 131890
Ion Ratio Lower Upper
43 100
86 6.9 5.9 8.9
42 48.4 7.3 10.9#
44 4.9 4.4 6.6

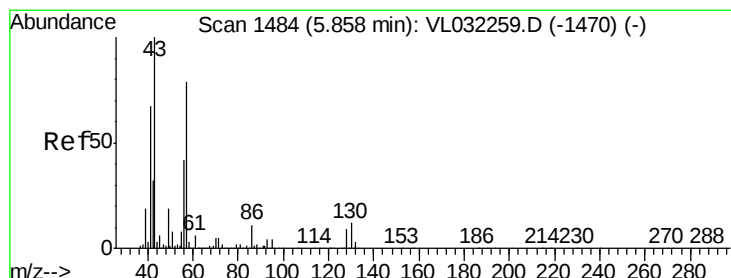
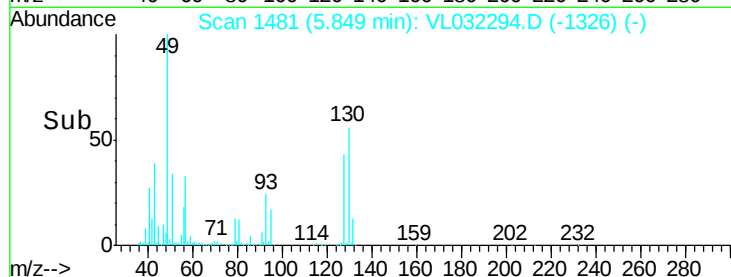
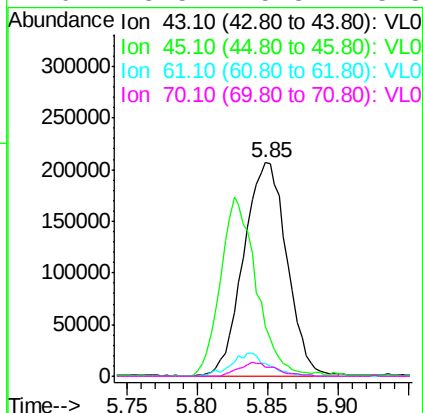
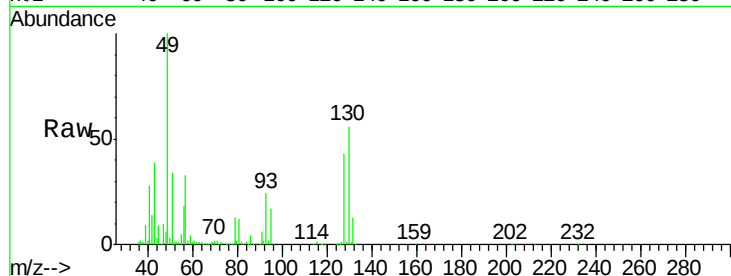




#25
Ethyl Acetate
Concen: 1.230 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

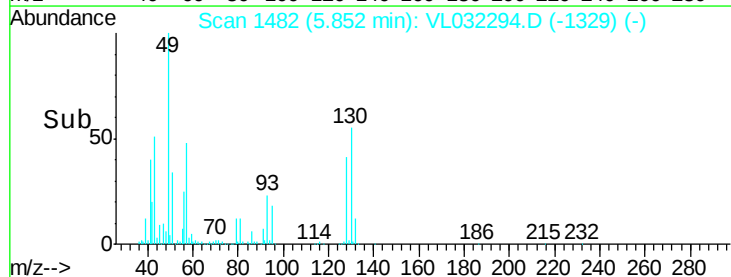
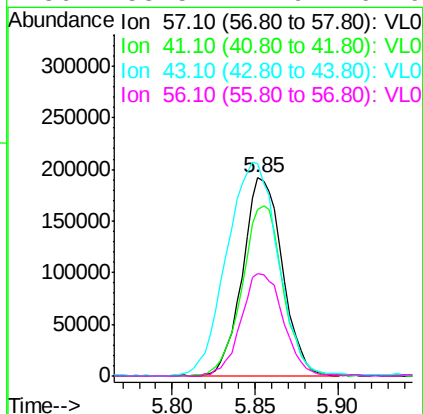
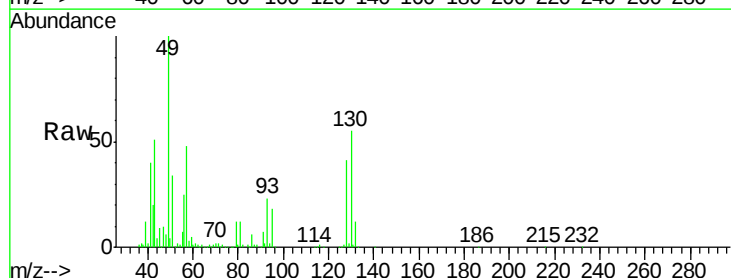
Instrument :
MSVOA_L
ClientSampleId :

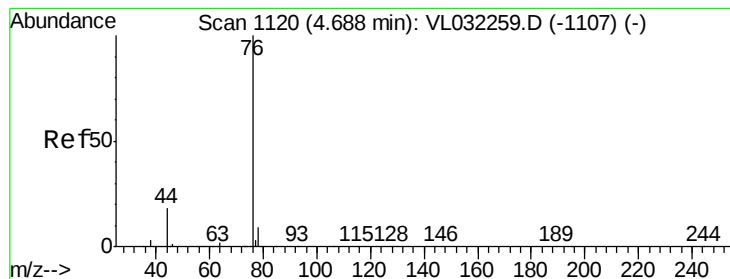
Tot Ion:	43	Resp:	443272
Ion	Ratio	Lower	Upper
43	100		
45	70.9	7.9	11.9#
61	9.4	7.6	11.4
70	5.5	5.8	8.8#



#26
Hexane
Concen: 1.930 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion:	57	Resp:	319512
Ion	Ratio	Lower	Upper
57	100		
41	89.4	67.9	101.9
43	138.3	175.9	263.9#
56	55.5	41.9	62.9





#27

Carbon Disulfide

Concen: 0.102 ppbv

RT: 4.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

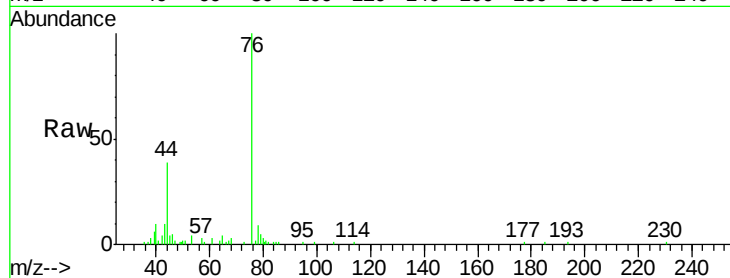
Tot Ion: 76 Resp: 14895

Ion Ratio Lower Upper

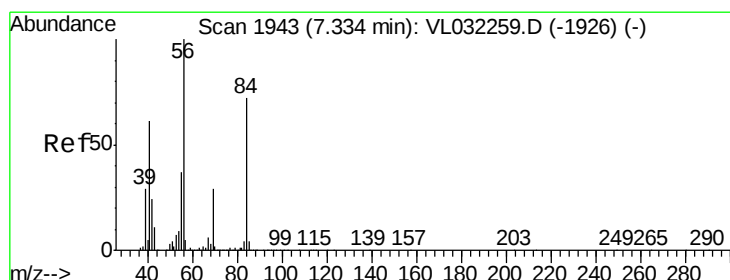
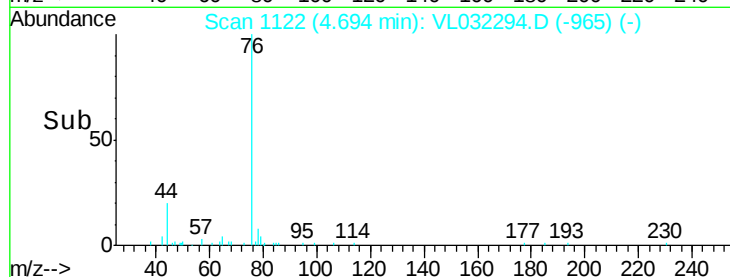
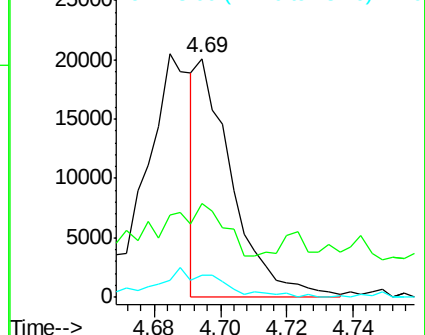
76 100

44 62.2 14.3 21.5#

78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.153 ppbv

RT: 7.33 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

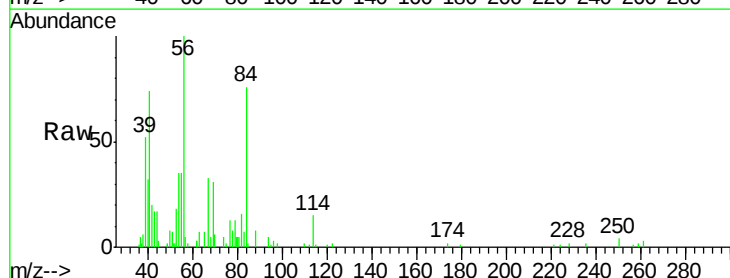
Tgt Ion: 84 Resp: 21219

Ion Ratio Lower Upper

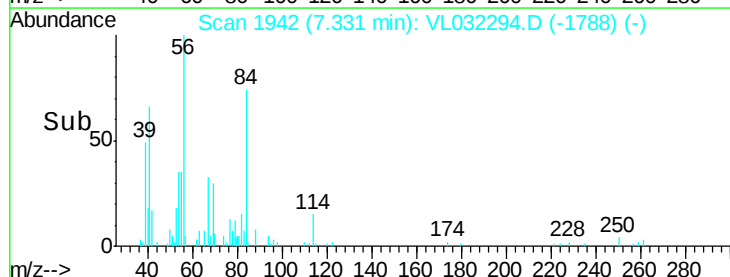
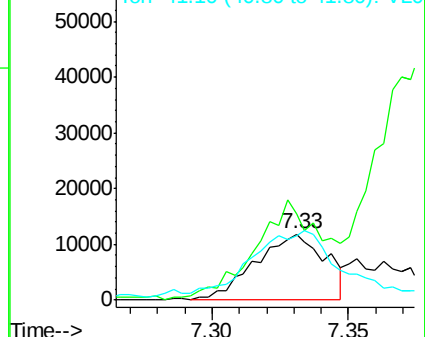
84 100

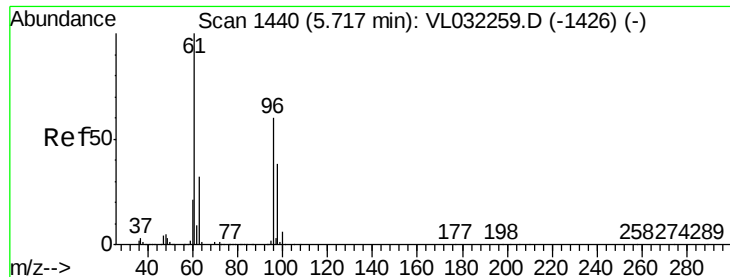
56 125.0 115.6 173.4

41 132.7 68.7 103.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.261 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.12 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

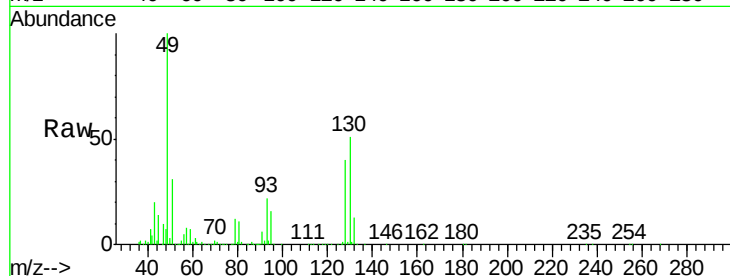
Tot Ion: 61 Resp: 41439

Ion Ratio Lower Upper

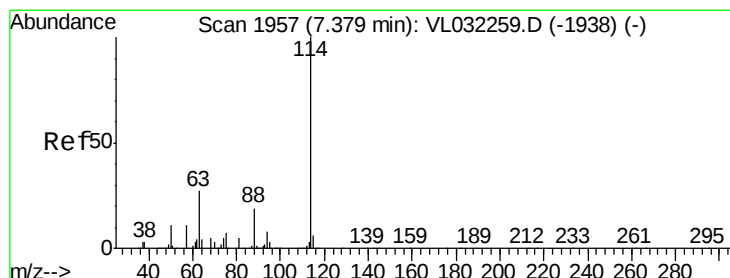
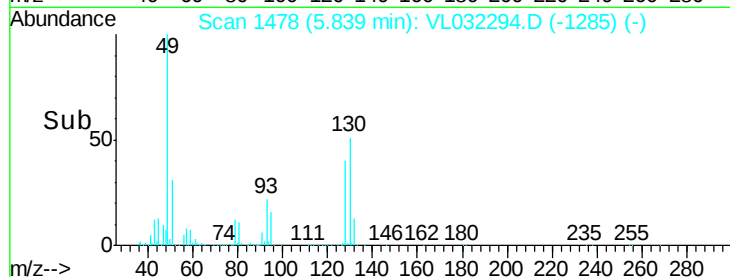
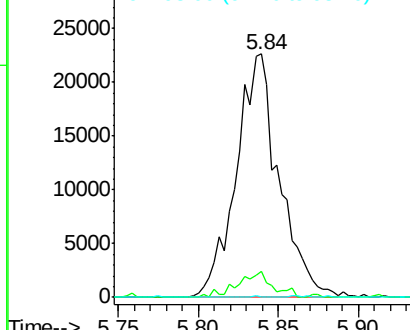
61 100

96 10.9 47.9 71.9#

98 0.0 30.5 45.7#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

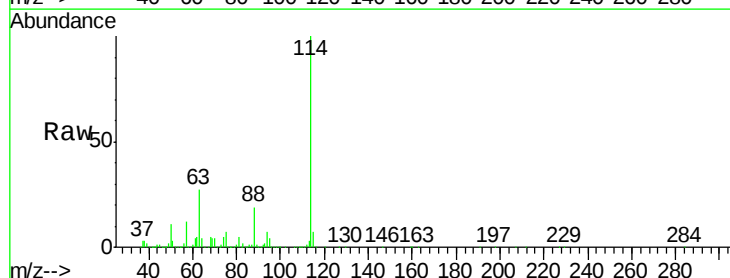
Tgt Ion: 114 Resp: 3319465

Ion Ratio Lower Upper

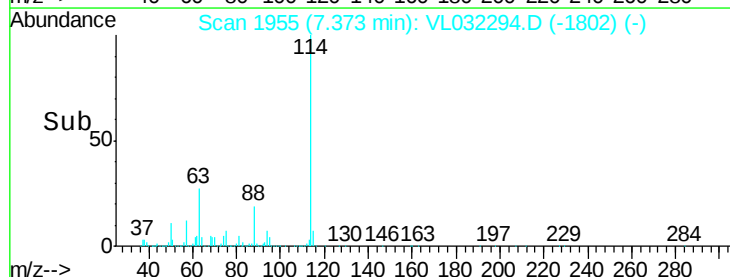
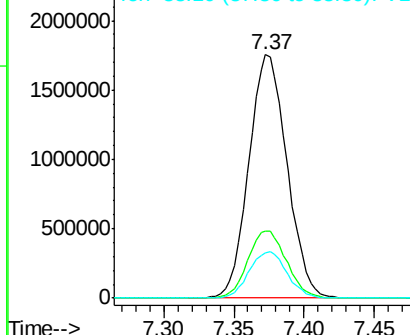
114 100

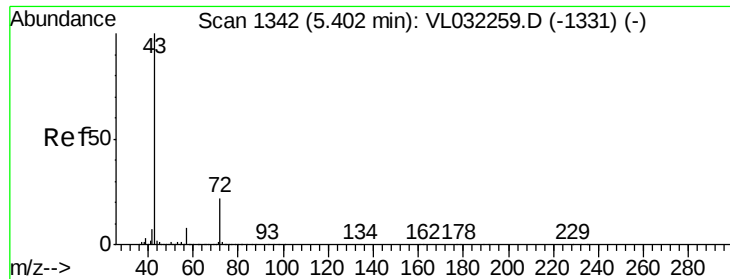
63 28.0 22.6 33.8

88 19.1 15.2 22.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

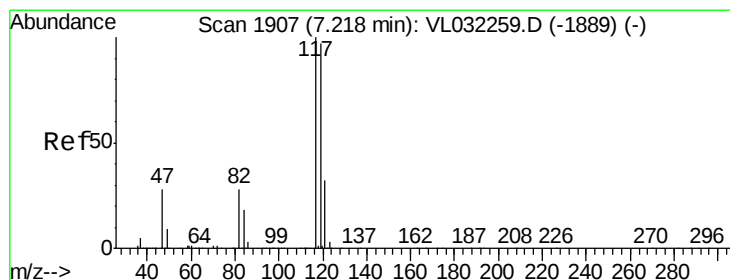
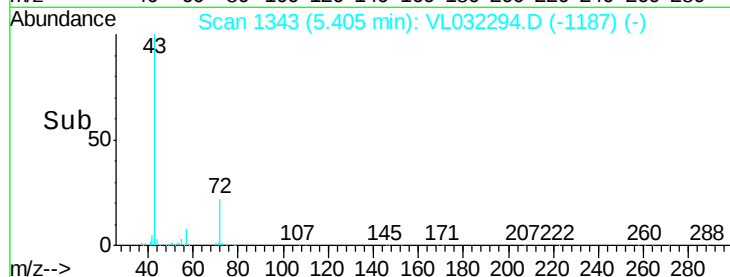
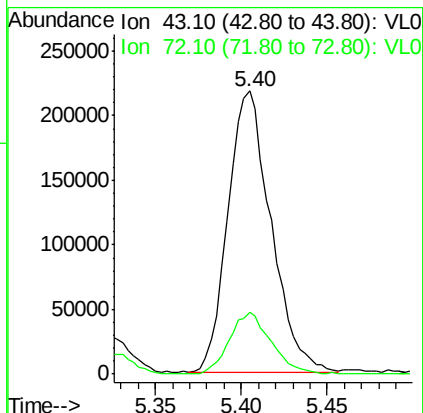
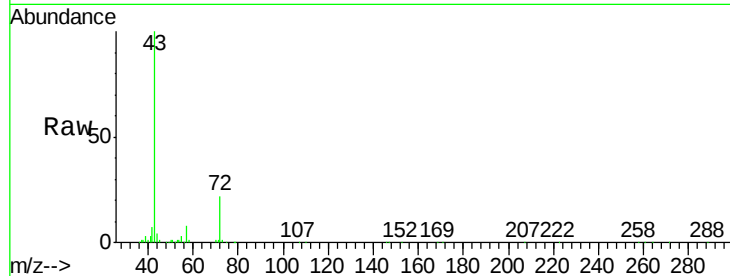




#34
2-Butanone
Concen: 1.658 ppbv
RT: 5.40 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

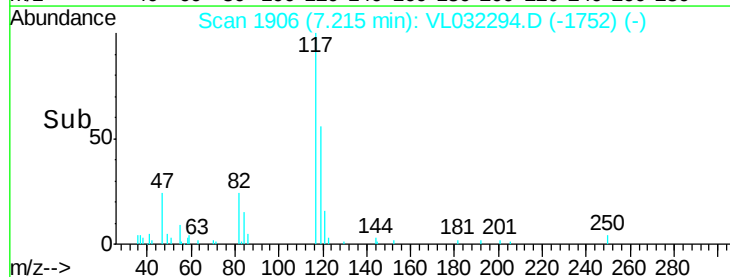
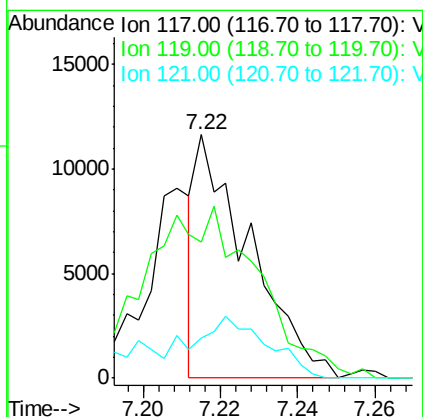
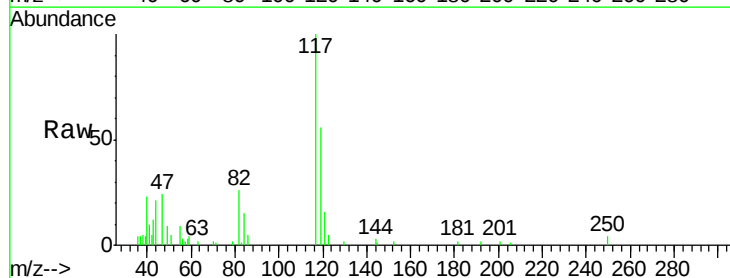
Instrument :
MSVOA_L
ClientSampleId :

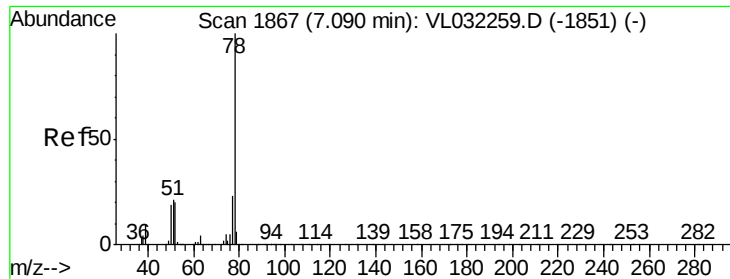
Tot Ion: 43 Resp: 377628
Ion Ratio Lower Upper
43 100
72 21.7 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 7.22 min Scan# 1906
Delta R.T. -0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion: 117 Resp: 11039
Ion Ratio Lower Upper
117 100
119 52.1 77.4 116.0#
121 16.5 25.4 38.2#





#36

Benzene

Concen: 0.246 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

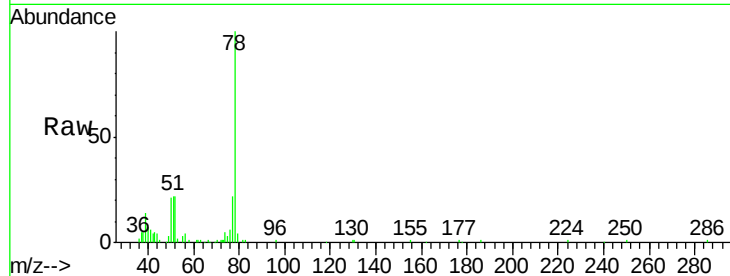
Tot Ion: 78 Resp: 80321

Ion Ratio Lower Upper

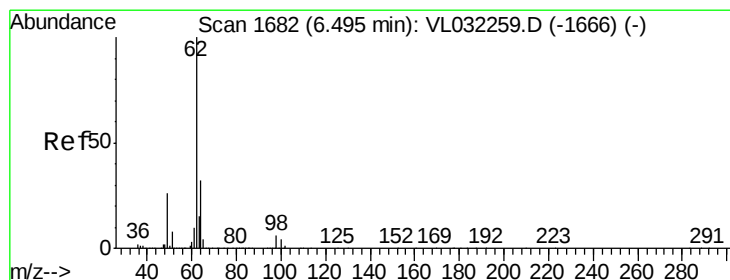
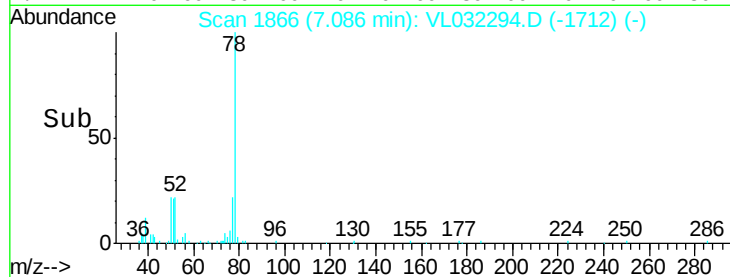
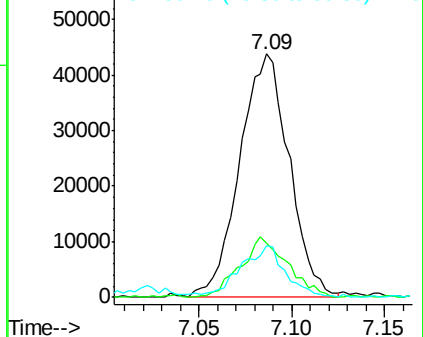
78 100

77 22.3 18.6 27.8

50 21.0 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: 1.554 ppbv

RT: 6.49 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VL032294.D

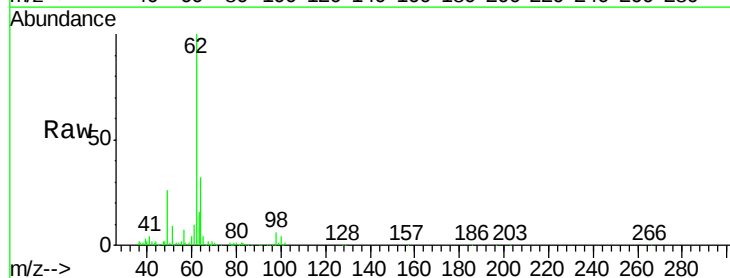
Acq: 19 Jul 2018 18:54

Tgt Ion: 62 Resp: 299881

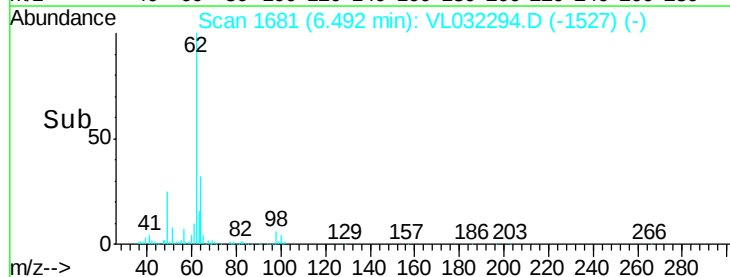
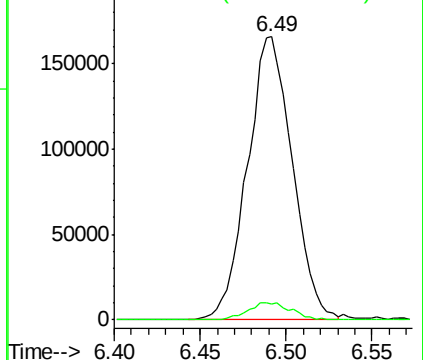
Ion Ratio Lower Upper

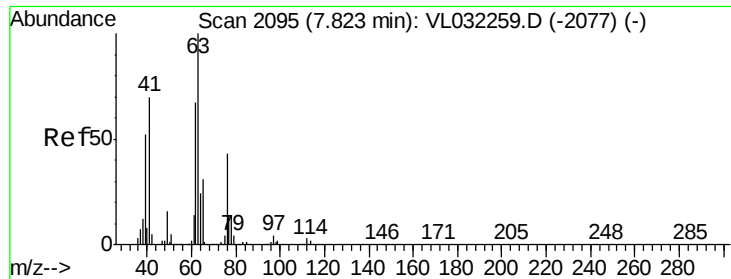
62 100

98 6.0 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: 7.128 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.45 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampled :

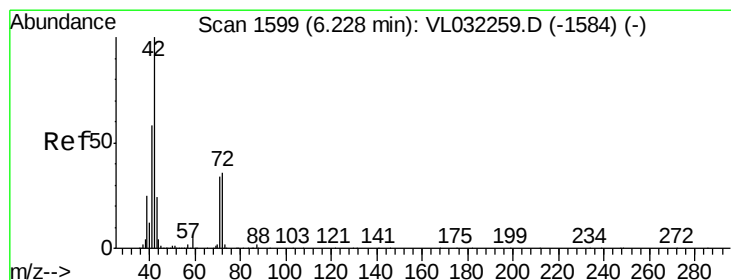
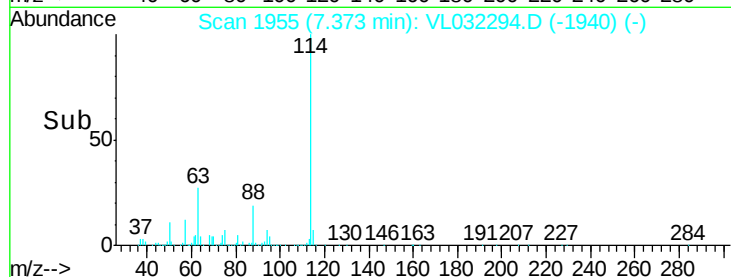
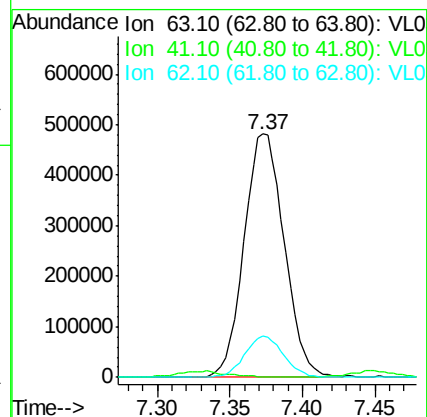
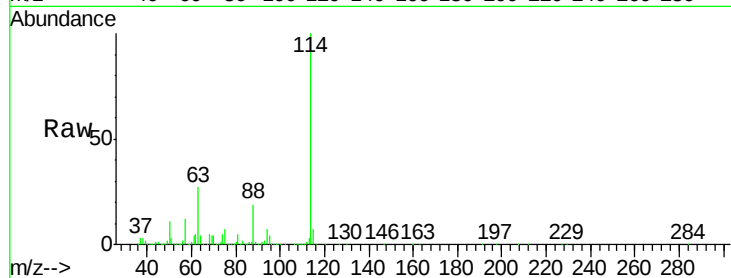
Tot Ion: 63 Resp: 922065

Ion Ratio Lower Upper

63 100

41 0.0 55.8 83.6#

62 17.1 53.8 80.8#



#41

Tetrahydrofuran

Concen: 0.041 ppbv

RT: 6.23 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

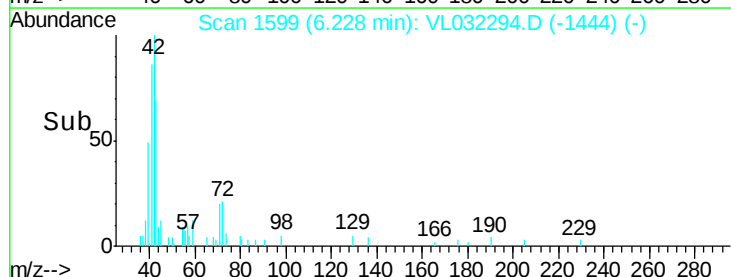
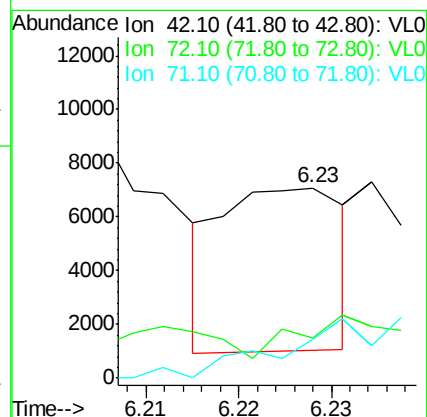
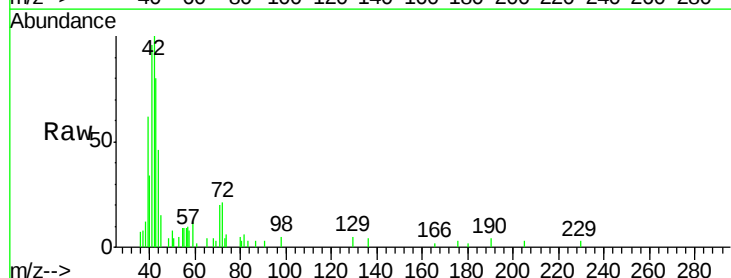
Tgt Ion: 42 Resp: 5502

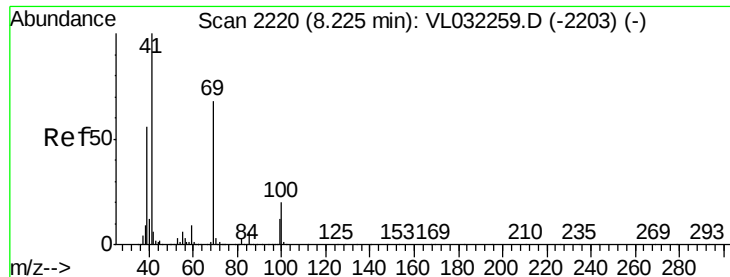
Ion Ratio Lower Upper

42 100

72 130.7 29.4 44.0#

71 0.0 28.2 42.4#

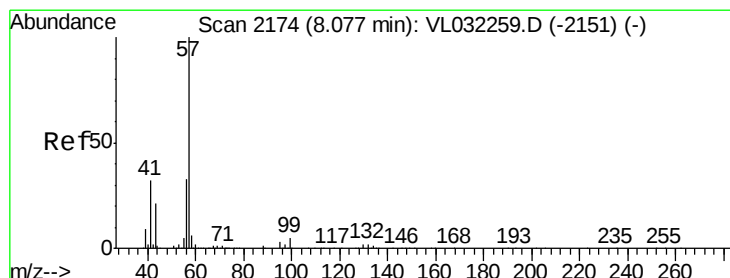
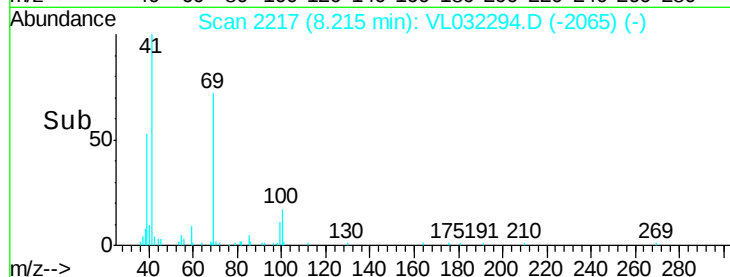
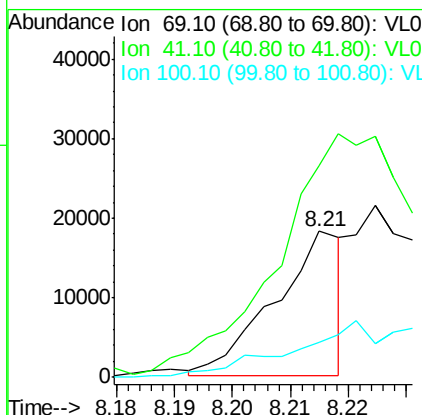
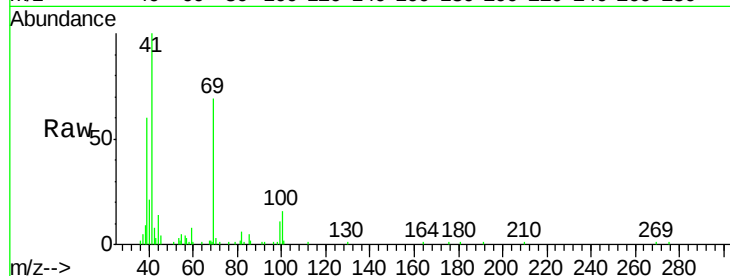




#43
Methvl Methacrylate
Concen: 0.110 ppbv
RT: 8.21 min Scan# 2217
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

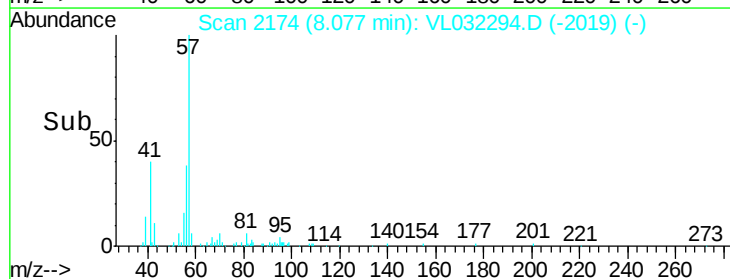
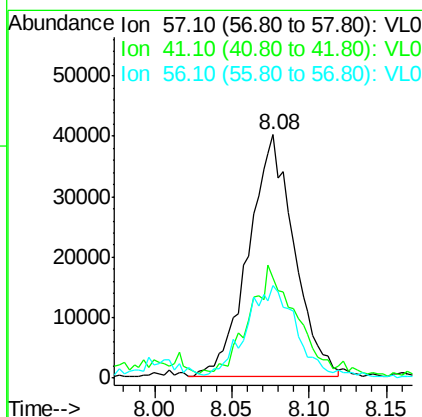
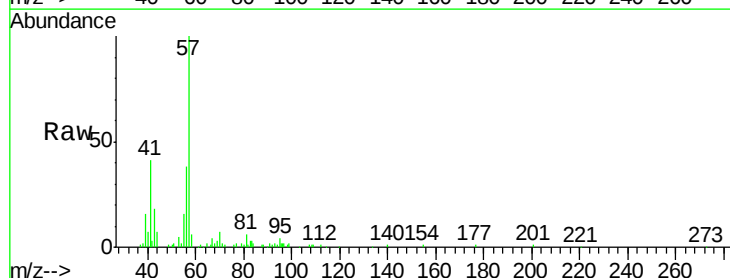
Instrument :
MSVOA_L
ClientSampleId :

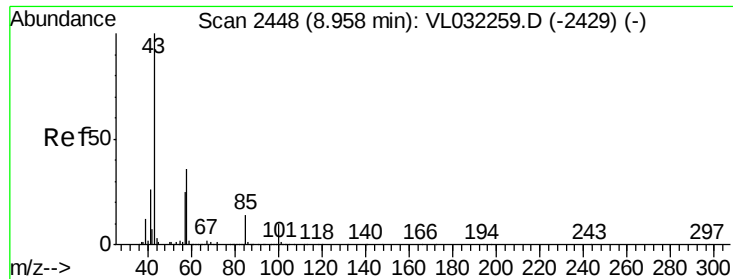
Tot Ion: 69 Resp: 14768
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8#
100 0.0 23.3 34.9#



#44
2,2,4-Trimethylpentane
Concen: 0.145 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion: 57 Resp: 82349
Ion Ratio Lower Upper
57 100
41 46.3 24.4 36.6#
56 43.3 25.7 38.5#

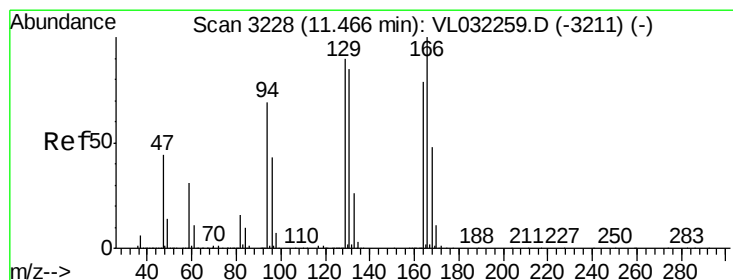
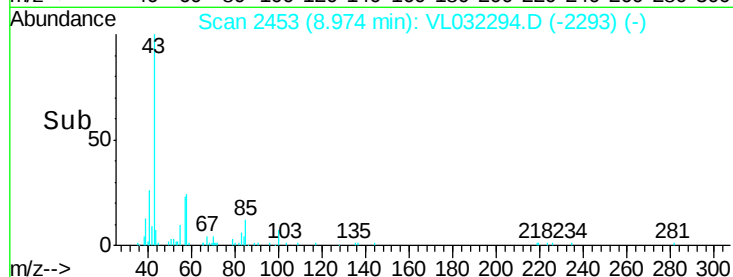
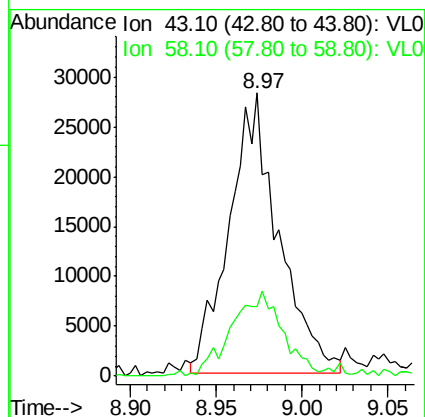
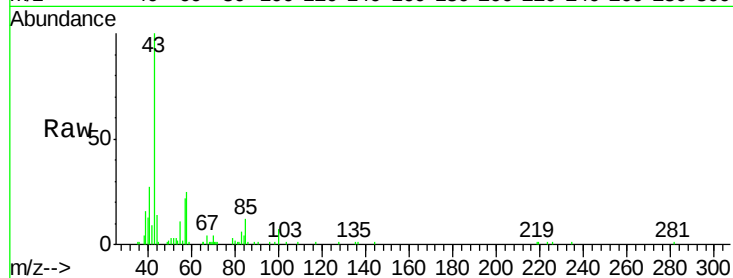




#50
4-Methyl-2-Pentanone
Concen: 0.150 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. 0.02 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

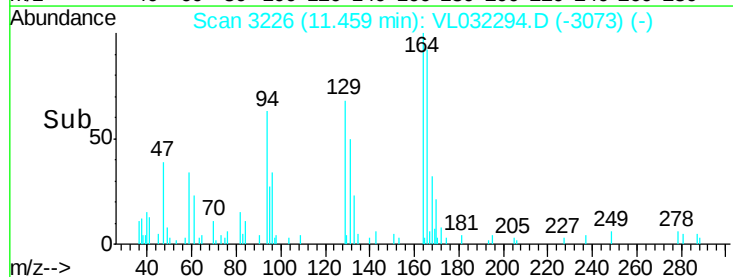
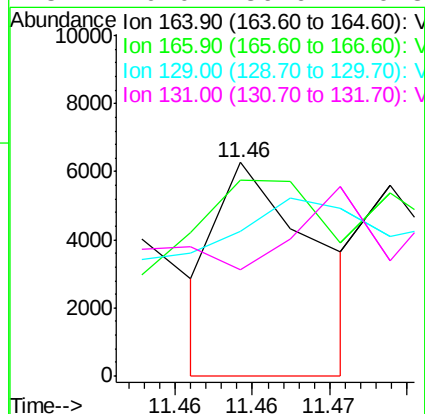
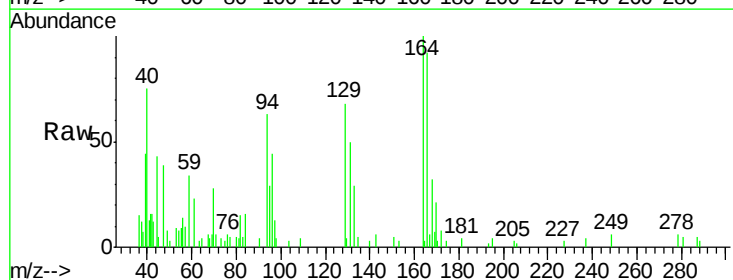
Instrument :
MSVOA_L
ClientSampled :

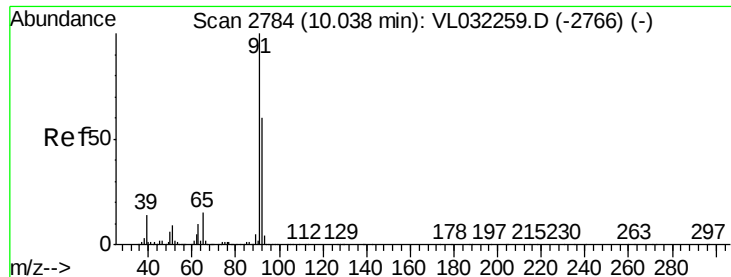
Tot Ion: 43 Resp: 56194
Ion Ratio Lower Upper
43 100
58 33.1 29.2 43.8



#52
Tetrachloroethene
Concen: 0.025 ppbv
RT: 11.46 min Scan# 3226
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion: 164 Resp: 2751
Ion Ratio Lower Upper
164 100
166 54.8 101.7 152.5#
129 21.4 91.5 137.3#
131 0.0 86.6 129.8#





#53

Toluene

Concen: 2.926 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

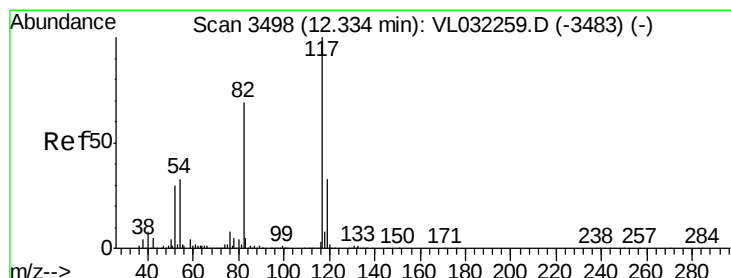
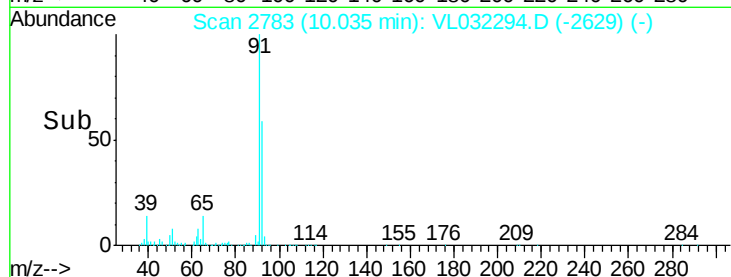
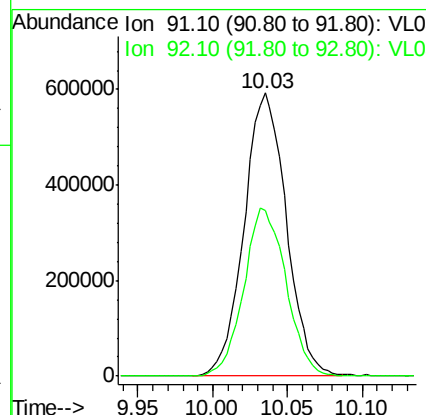
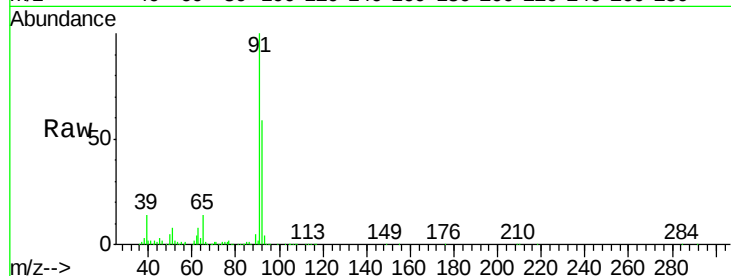
ClientSampleId :

Tot Ion: 91 Resp: 1159216

Ion Ratio Lower Upper

91 100

92 59.9 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3496

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

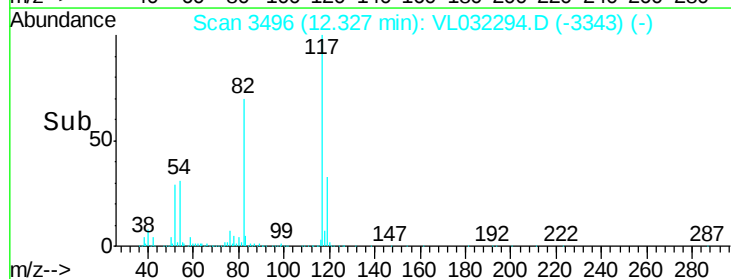
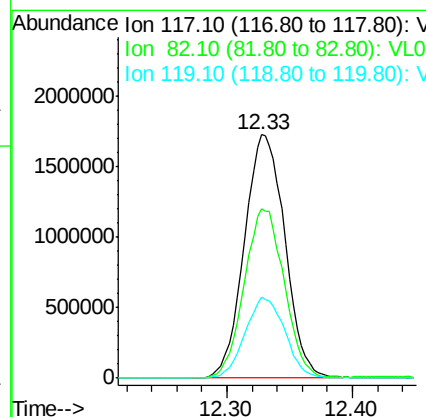
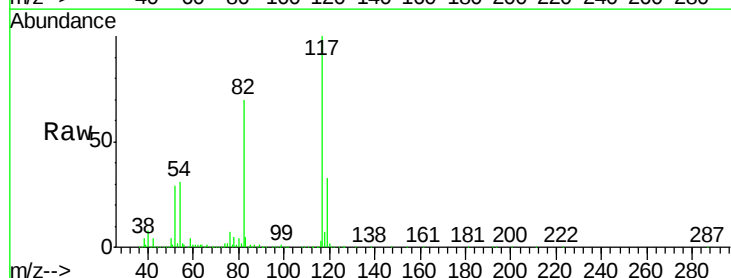
Tgt Ion: 117 Resp: 3876868

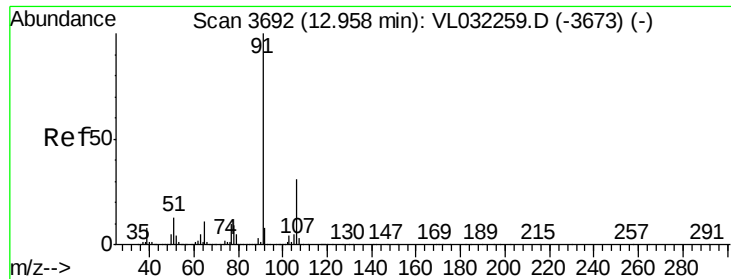
Ion Ratio Lower Upper

117 100

82 68.7 53.9 80.9

119 32.7 25.5 38.3





#58

Ethyl Benzene

Concen: 0.700 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

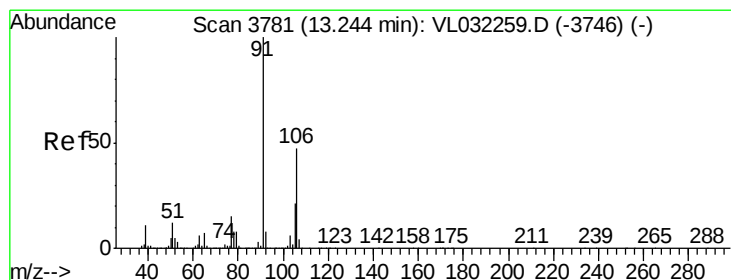
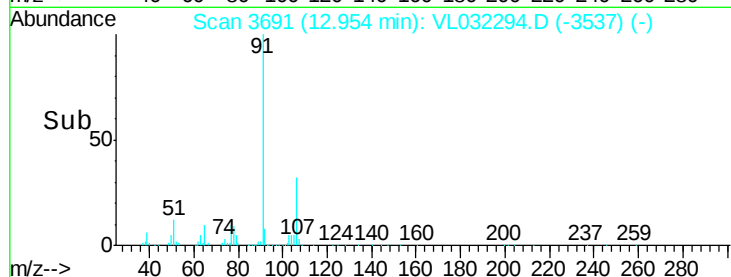
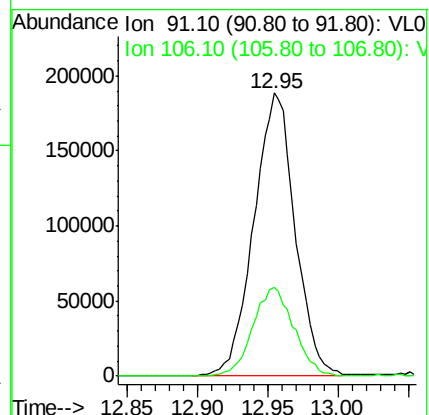
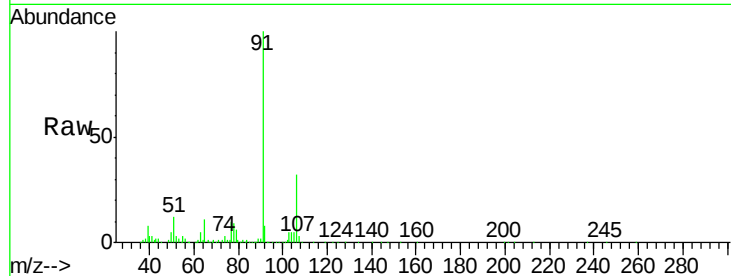
ClientSampleId :

Tot Ion: 91 Resp: 382591

Ion Ratio Lower Upper

91 100

106 31.6 24.5 36.7



#59

m/p-Xylene

Concen: 1.931 ppbv

RT: 13.21 min Scan# 3770

Delta R.T. -0.04 min

Lab File: VL032294.D

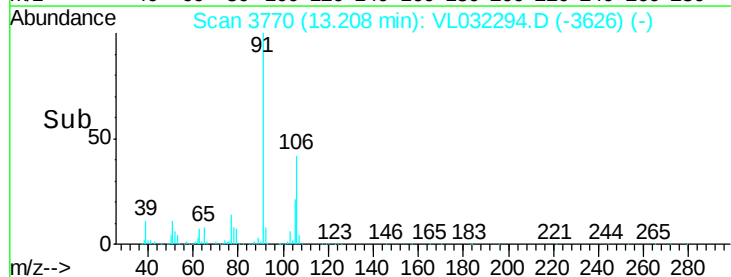
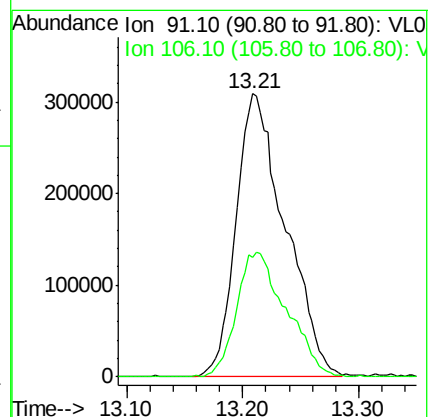
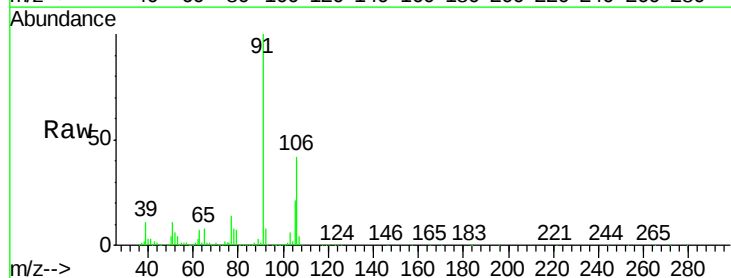
Acq: 19 Jul 2018 18:54

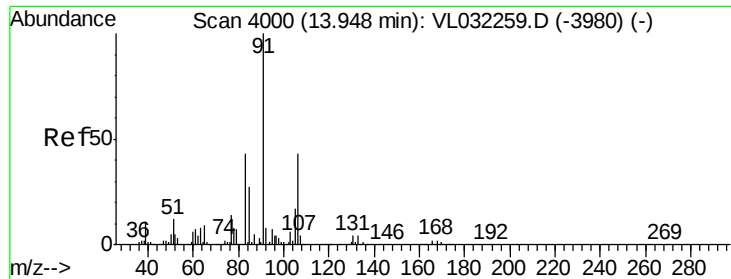
Tgt Ion: 91 Resp: 900010

Ion Ratio Lower Upper

91 100

106 45.0 36.2 54.2

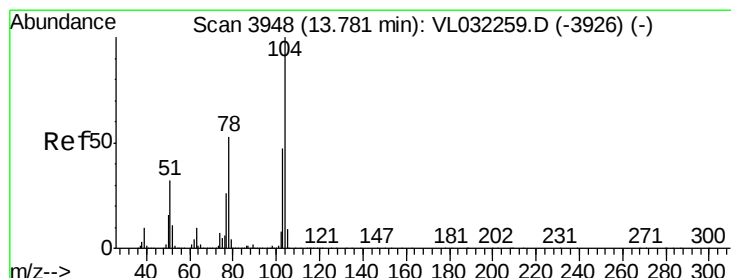
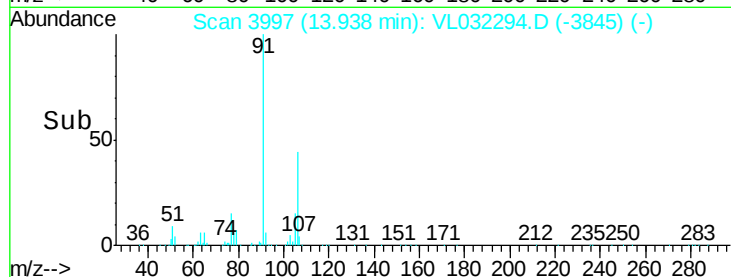
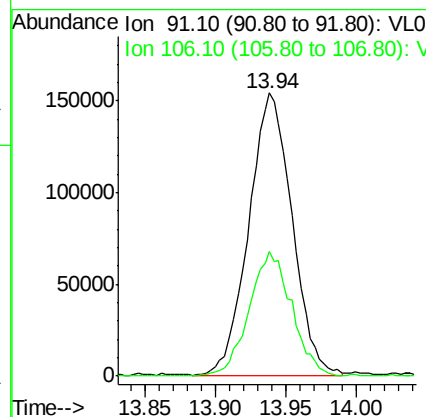
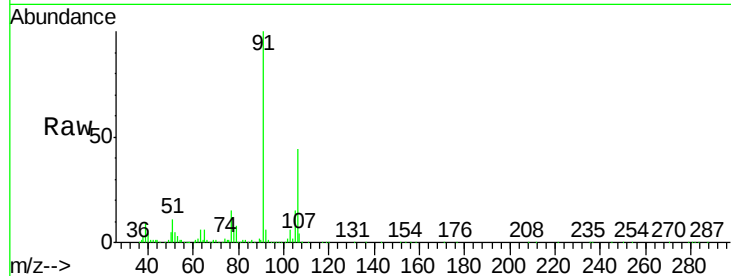




#60
o-Xylene
Concen: 0.708 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.01 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

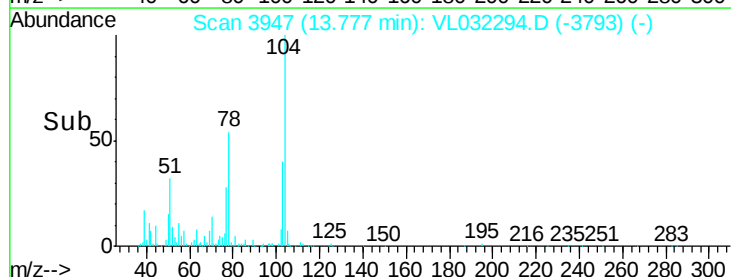
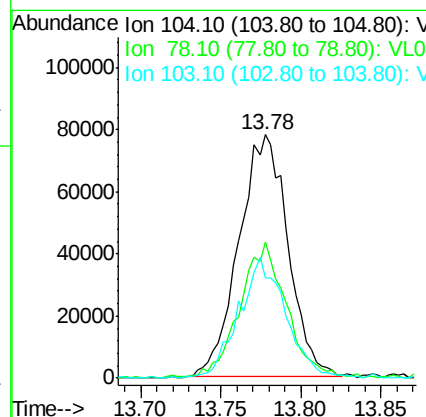
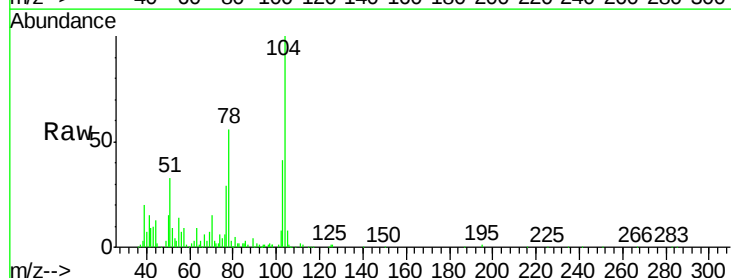
Instrument :
MSVOA_L
ClientSampleId :

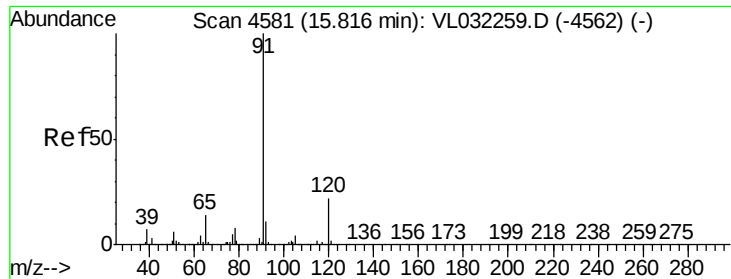
Tot Ion: 91 Resp: 328744
Ion Ratio Lower Upper
91 100
106 43.8 21.7 65.1



#61
Styrene
Concen: 0.476 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032294.D
Acq: 19 Jul 2018 18:54

Tgt Ion:104 Resp: 164137
Ion Ratio Lower Upper
104 100
78 53.8 43.2 64.8
103 47.8 37.8 56.6





#64

n-propylbenzene

Concen: 0.023 ppbv

RT: 15.80 min Scan# 4577

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

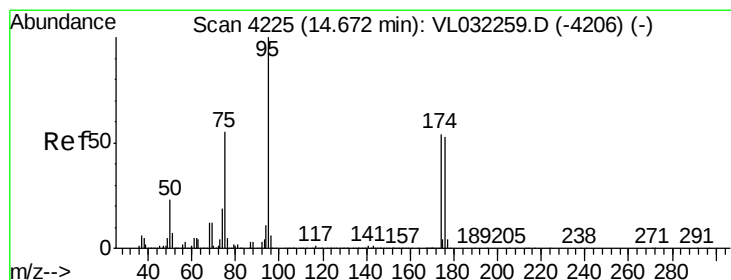
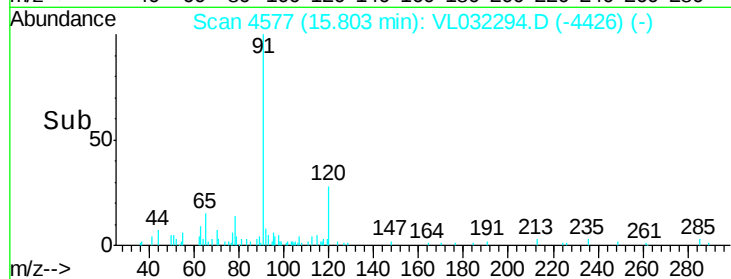
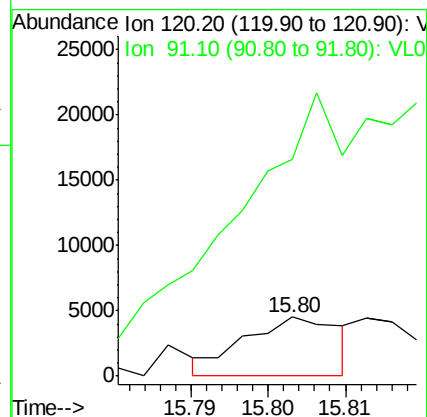
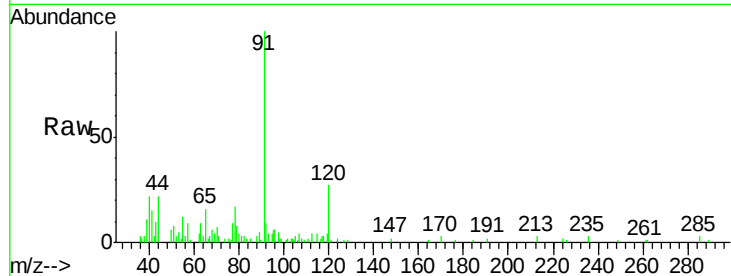
ClientSampleId :

Tot Ion:120 Resp: 3916

Ion Ratio Lower Upper

120 100

91 1195.3 384.4 576.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.718 ppbv

RT: 14.66 min Scan# 4223

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

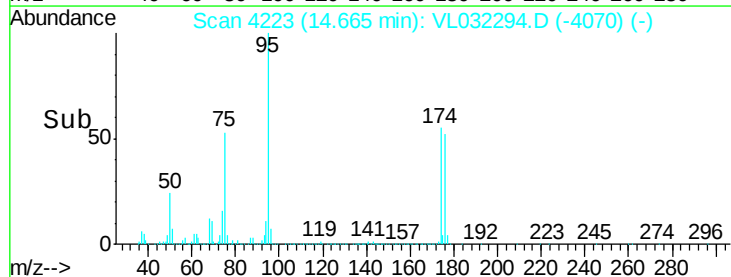
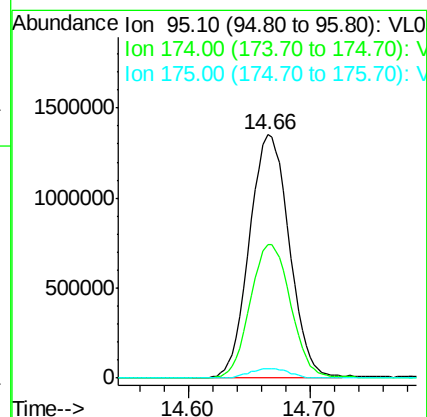
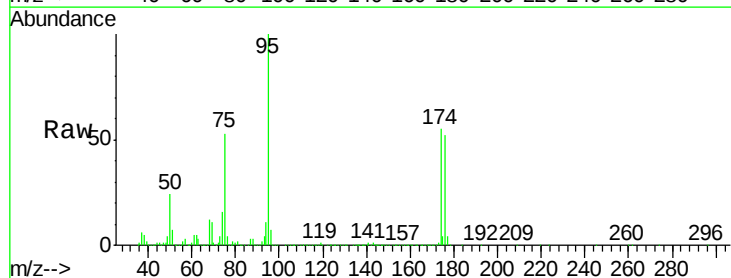
Tgt Ion: 95 Resp: 3054671

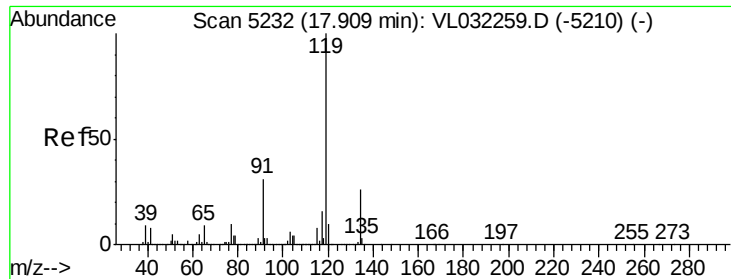
Ion Ratio Lower Upper

95 100

174 56.5 44.3 66.5

175 4.0 3.3 4.9





#69

p-Isopropyltoluene

Concen: 0.084 ppbv

RT: 17.90 min Scan# 5229

Delta R.T. -0.01 min

Lab File: VL032294.D

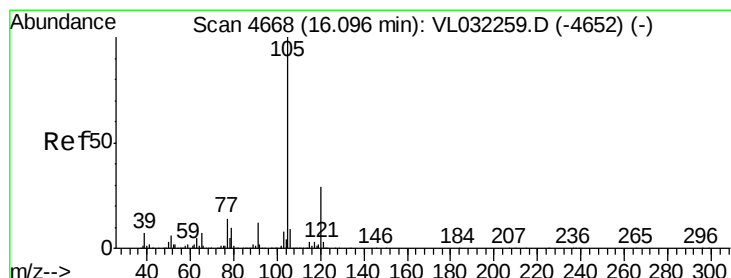
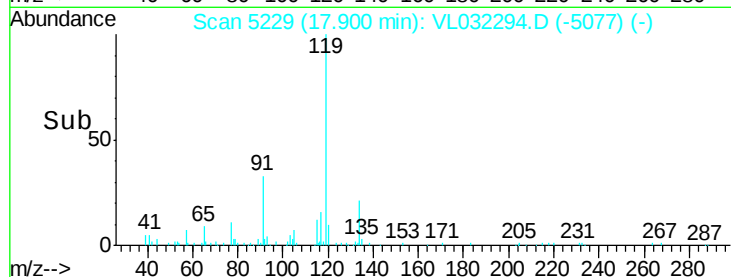
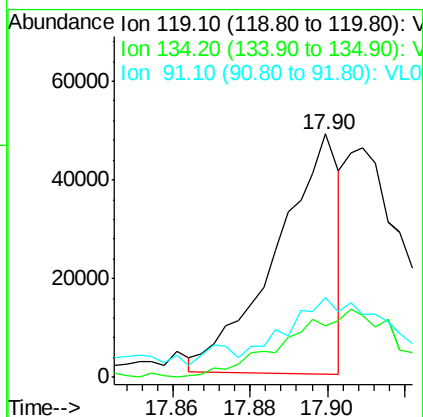
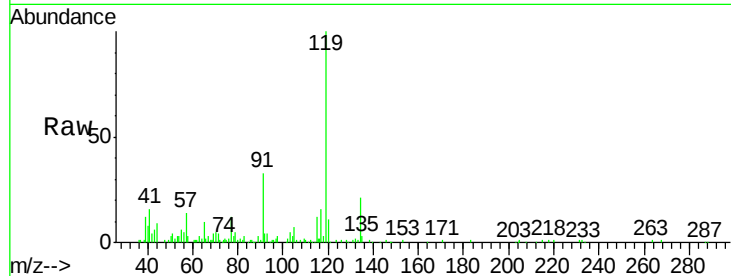
Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	119	Resp:	54833
Ion Ratio	Lower	Upper	
119	100		
134	0.0	20.3	30.5#
91	83.6	24.1	36.1#



#72

4-Ethyltoluene

Concen: 0.091 ppbv

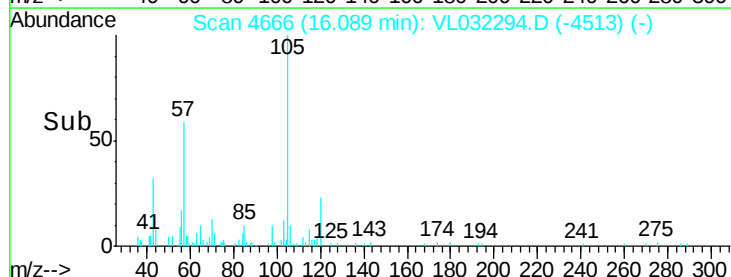
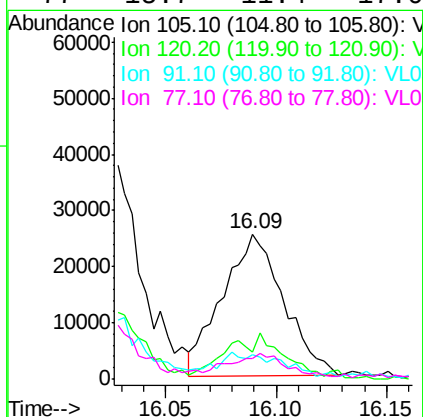
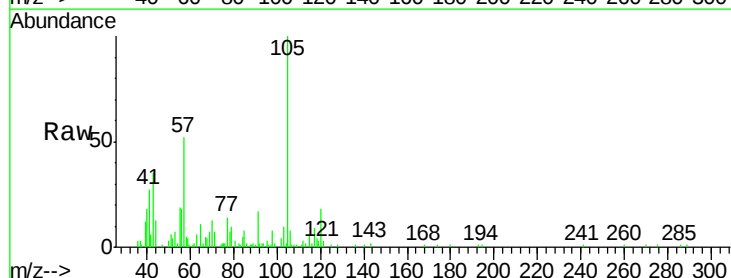
RT: 16.09 min Scan# 4666

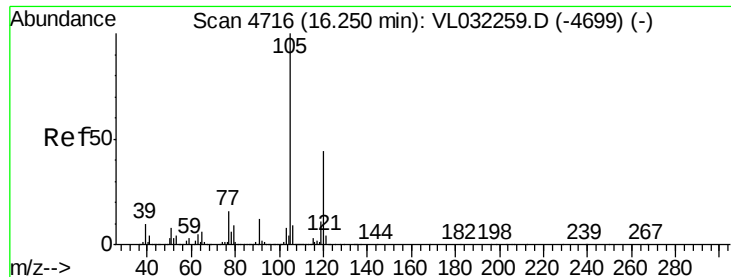
Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Tgt Ion:	105	Resp:	49059
Ion Ratio	Lower	Upper	
105	100		
120	31.3	23.0	34.6
91	17.6	10.1	15.1#
77	15.7	11.4	17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.049 ppbv

RT: 16.24 min Scan# 4713

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

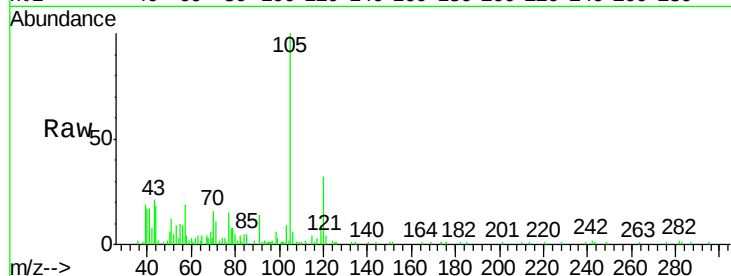
ClientSampleId :

Tot Ion:105 Resp: 25511

Ion Ratio Lower Upper

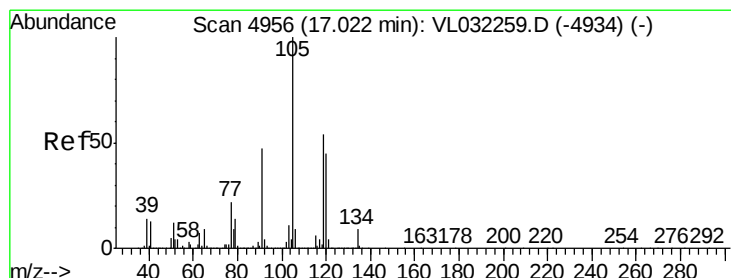
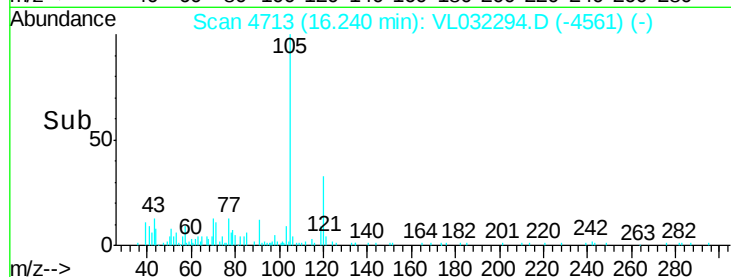
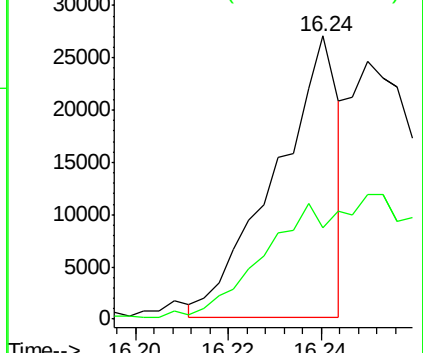
105 100

120 32.3 35.5 53.3#



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: 0.422 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Tgt Ion:105 Resp: 231747

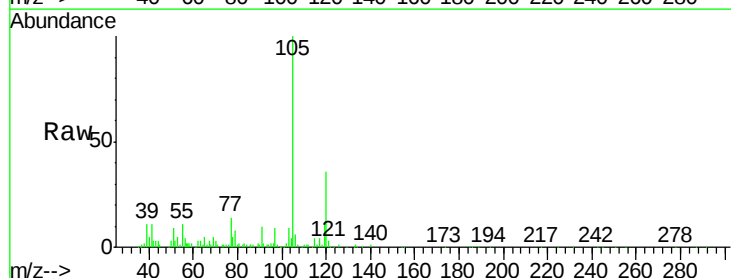
Ion Ratio Lower Upper

105 100

120 36.0 35.8 53.6

91 8.9 38.2 57.4#

77 13.3 17.5 26.3#

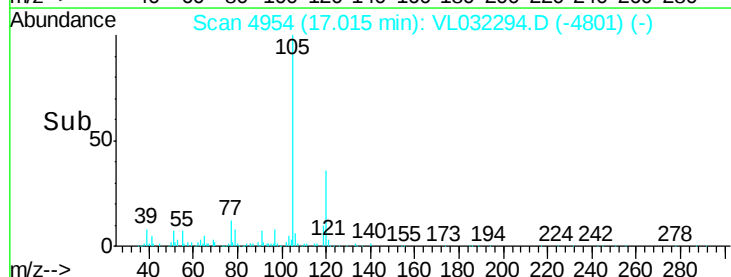
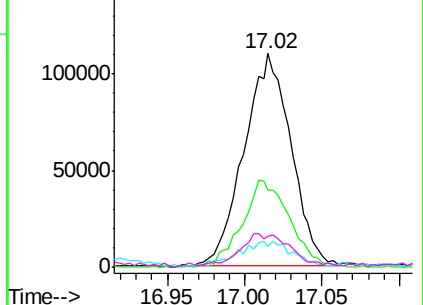


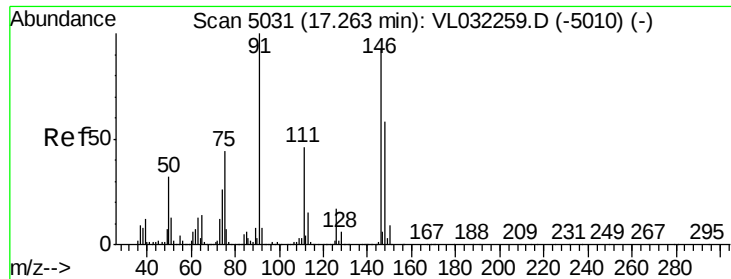
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 0.962 ppbv

RT: 17.40 min Scan# 5073

Delta R.T. 0.13 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

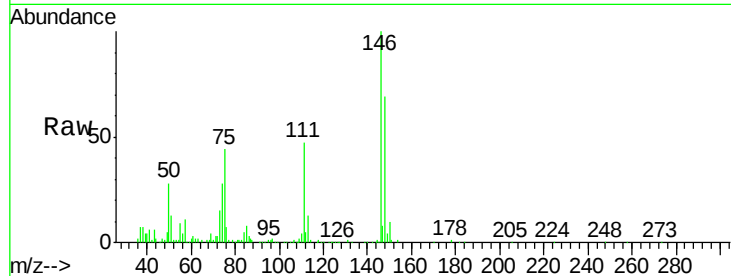
Tot Ion:146 Resp: 293441

Ion Ratio Lower Upper

146 100

111 47.7 25.1 75.4

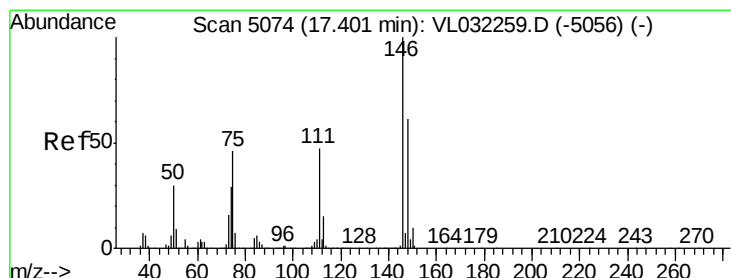
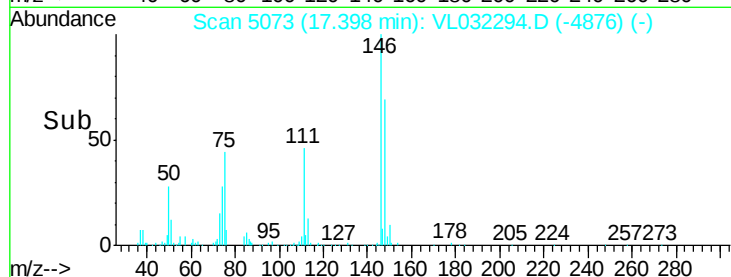
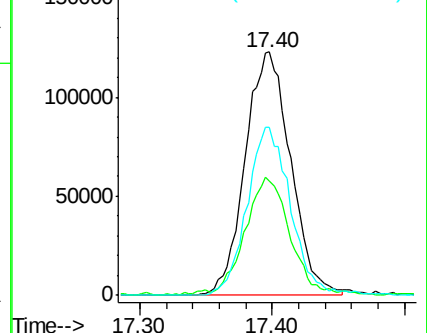
148 66.5 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.970 ppbv

RT: 17.40 min Scan# 5073

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

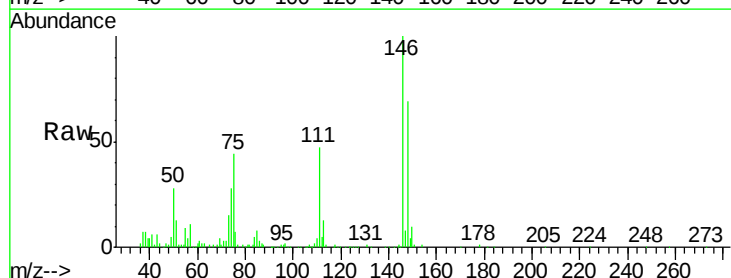
Tgt Ion:146 Resp: 293441

Ion Ratio Lower Upper

146 100

111 48.7 24.1 72.2

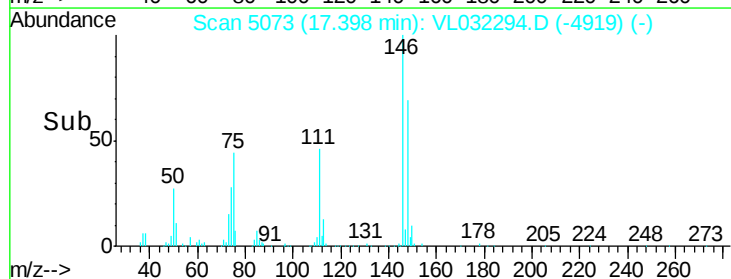
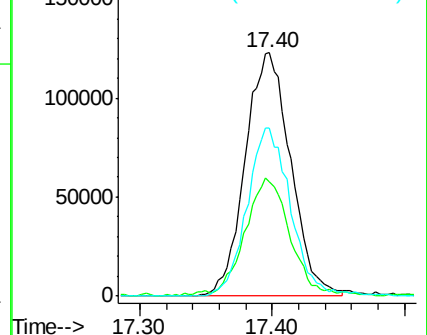
148 66.5 31.9 95.9

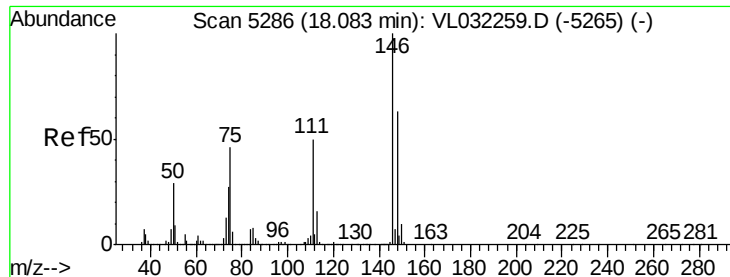


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.037 ppbv

RT: 18.08 min Scan# 5285

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

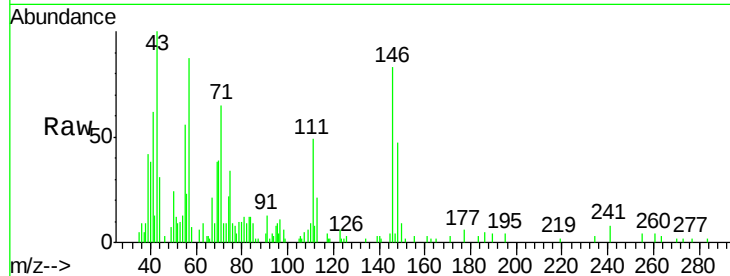
Tot Ion:146 Resp: 10919

Ion Ratio Lower Upper

146 100

111 87.0 25.6 76.8#

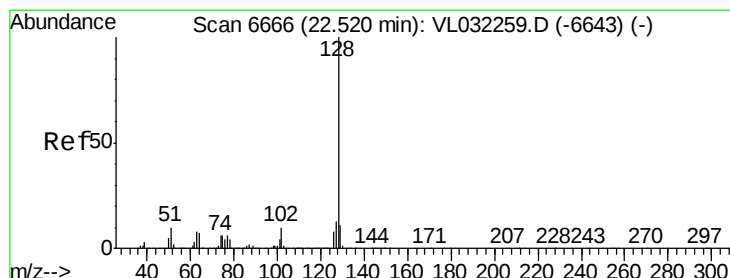
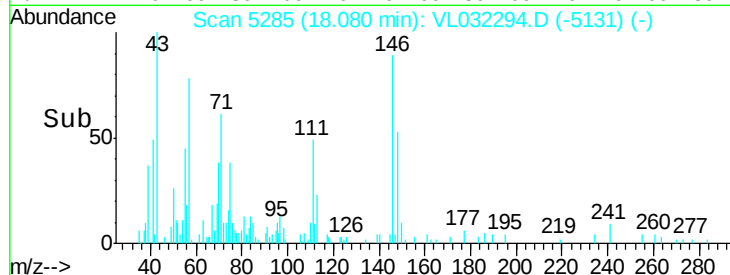
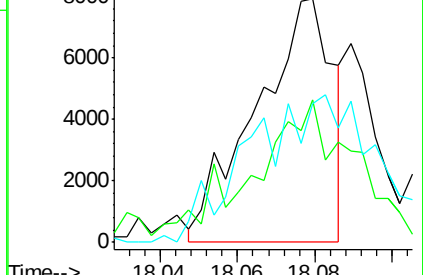
148 104.5 31.9 95.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.086 ppbv

RT: 22.52 min Scan# 6666

Delta R.T. -0.00 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

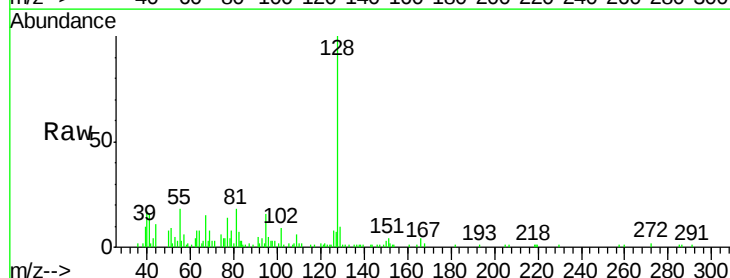
Tgt Ion:128 Resp: 39749

Ion Ratio Lower Upper

128 100

127 1.8 10.5 15.7#

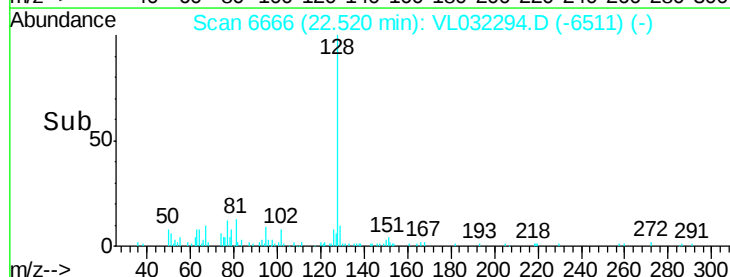
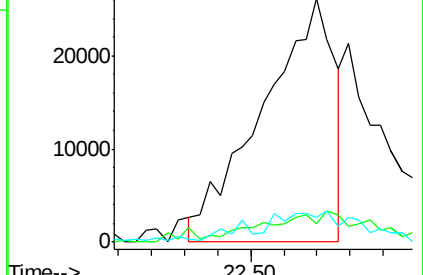
129 9.6 8.6 12.8

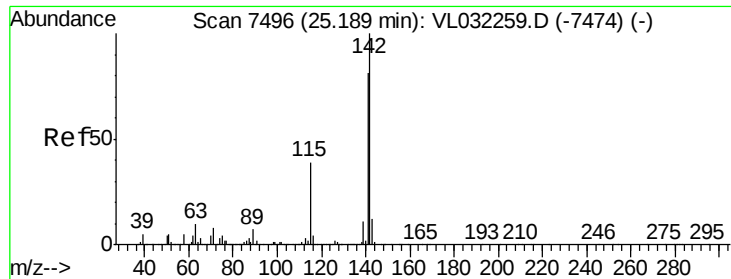


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene,2-methyl-

Concen: 0.080 ppbv

RT: 25.18 min Scan# 7494

Delta R.T. -0.01 min

Lab File: VL032294.D

Acq: 19 Jul 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

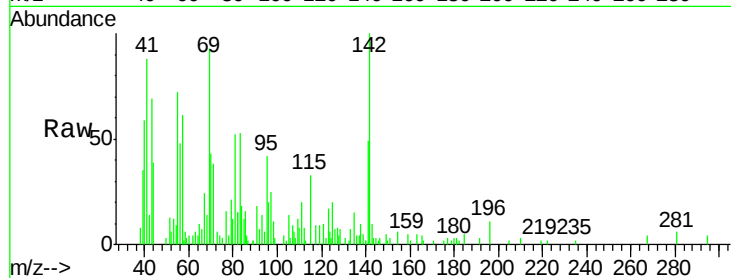
Tot Ion:142 Resp: 15615

Ion Ratio Lower Upper

142 100

141 66.6 67.1 100.7#

115 52.1 32.5 48.7#



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

