

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032331.D
 Acq On : 1 Aug 2018 20:33
 Operator : SY/AP
 Sample : J4235-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 02 00:47:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1810760	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3691775	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4225990	10.00	ppbv	0.00

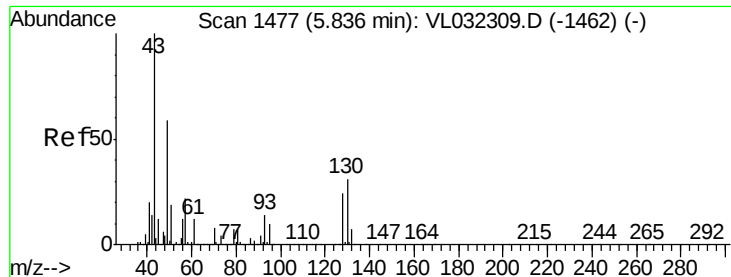
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3366965	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue	
3) Chlorodifluoromethane	3.03	51	379289	2.095	ppbv	# 71
4) Chloromethane	3.22	50	60690	0.554	ppbv	99
9) Propene	3.08	41	263463	3.236	ppbv	91
10) Heptane	8.31	43	38514	0.135	ppbv	# 28
11) Trichlorofluoromethane	4.06	101	56098	0.269	ppbv	# 83
13) Ethanol	3.71	45	3110641	132.961	ppbv	99
15) Acetone	3.95	43	2808206	16.455	ppbv	94
16) 1,3-Butadiene	3.39	39	25487	0.288	ppbv	# 17
17) tert-Butyl alcohol	4.43	59	42787	0.789	ppbv	# 73
19) Isopropyl Alcohol	4.09	45	833170	7.316	ppbv	# 1
20) Methylene Chloride	4.47	84	297229	4.333	ppbv	95
21) Allyl Chloride	4.46	41	7788	0.067	ppbv	# 22
23) Vinyl Acetate	5.22	43	142259	0.465	ppbv	# 86
25) Ethyl Acetate	5.84	43	726086	1.896	ppbv	# 88
26) Hexane	5.85	57	781550	4.510	ppbv	# 50
29) Chloroform	5.91	83	7620	0.030	ppbv	97
30) Cyclohexane	7.32	84	13852	0.102	ppbv	# 11
34) 2-Butanone	5.39	43	222891	0.933	ppbv	99
35) Carbon Tetrachloride	7.20	117	8201	0.039	ppbv	# 83
36) Benzene	7.08	78	77169	0.237	ppbv	# 94
37) 1,2-Dichloroethane	6.48	62	83911	0.446	ppbv	100
39) 1,2-Dichloropropane	7.36	63	1030876	6.297	ppbv	# 26
41) Tetrahydrofuran	6.22	42	11409	0.084	ppbv	# 67
44) 2,2,4-Trimethylpentane	8.07	57	92495	0.131	ppbv	# 66
53) Toluene	10.03	91	416232	1.070	ppbv	98
58) Ethyl Benzene	12.94	91	56556	0.107	ppbv	97
59) m/p-Xylene	13.24	91	30497	0.068	ppbv	# 31
60) o-Xylene	13.93	91	159525	0.361	ppbv	100
61) Styrene	13.77	104	18607	0.057	ppbv	# 1
64) n-propylbenzene	15.80	120	9908	0.061	ppbv	# 38
65) tert-Butylbenzene	17.00	119	16098	0.030	ppbv	# 1
67) sec-Butylbenzene	17.84	105	37017	0.047	ppbv	100
72) 4-Ethyltoluene	16.08	105	81128	0.164	ppbv	# 95
73) 1,3,5-Trimethylbenzene	16.24	105	24025	0.049	ppbv	96
74) 1,2,4-Trimethylbenzene	17.00	105	243470	0.473	ppbv	# 71
76) 1,4-Dichlorobenzene	17.38	146	20662	0.072	ppbv	# 79
79) Naphthalene	22.50	128	131804	0.295	ppbv	95
80) Naphthalene,2-methyl-	25.17	142	11505	0.065	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

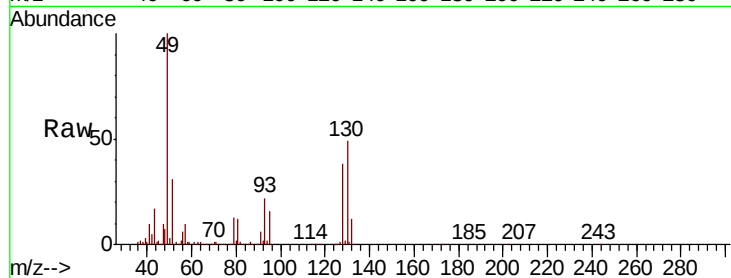
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1810760

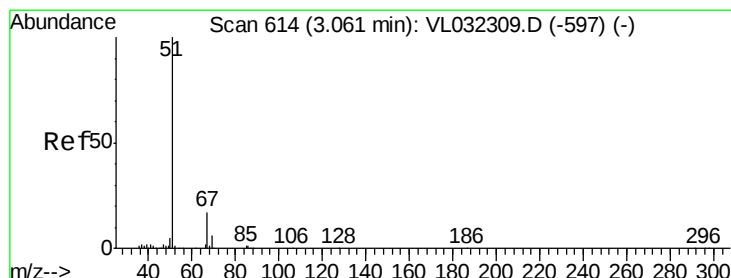
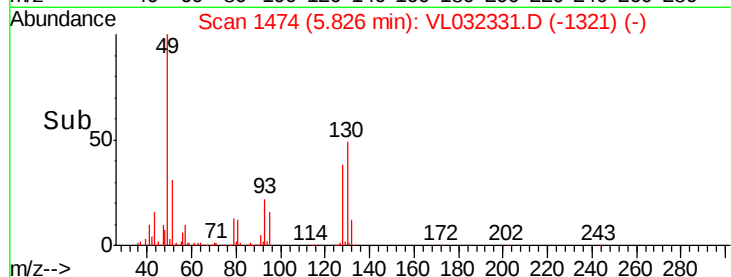
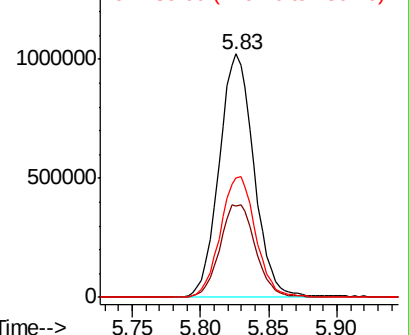
Ion	Ratio	Lower	Upper
49	100		
128	39.5	20.2	60.6
130	50.5	25.8	77.3



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



#3

Chlorodifluoromethane

Concen: 2.095 ppbv

RT: 3.03 min Scan# 605

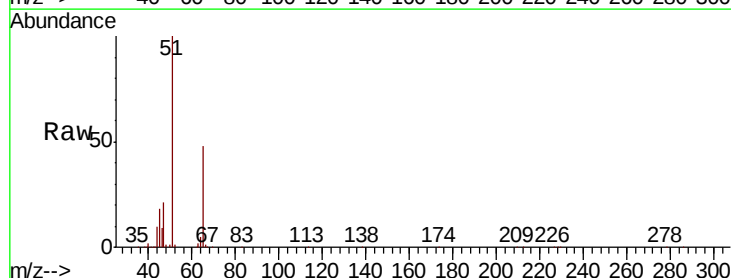
Delta R.T. -0.03 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

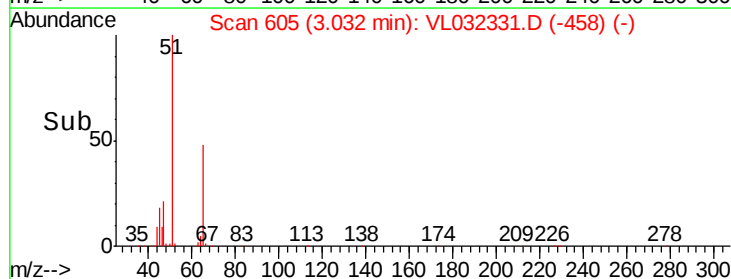
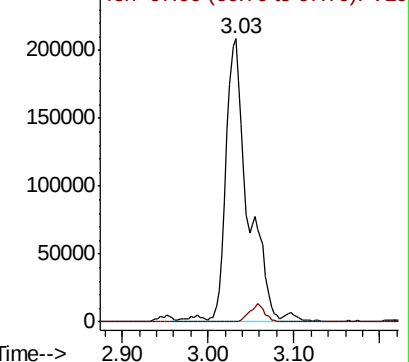
Tgt Ion: 51 Resp: 379289

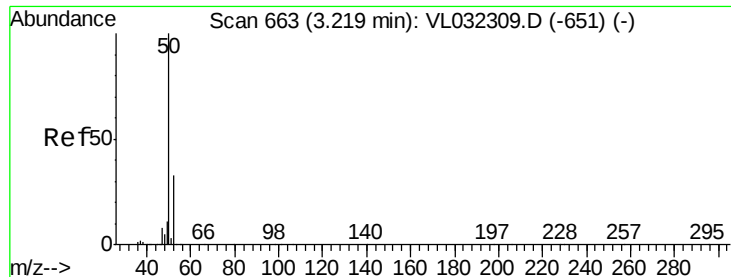
Ion	Ratio	Lower	Upper
51	100		
67	4.4	13.5	20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.554 ppbv

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

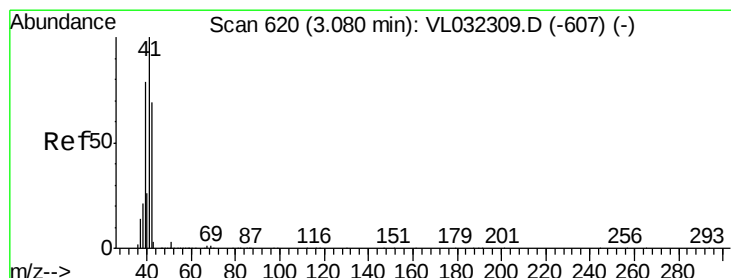
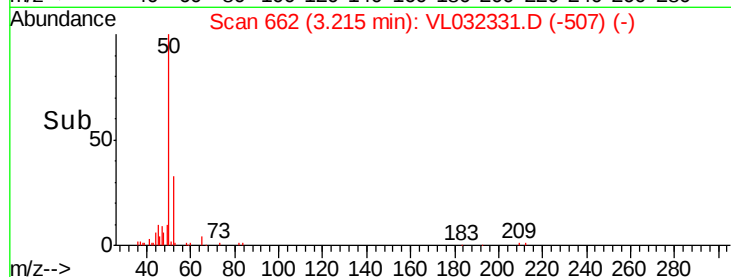
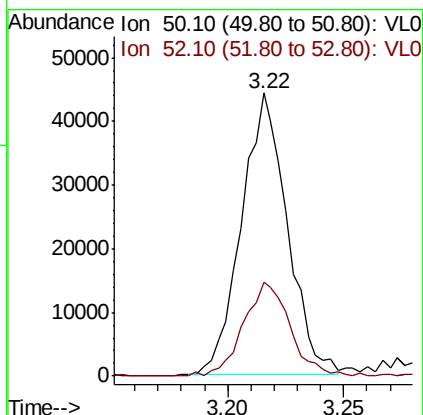
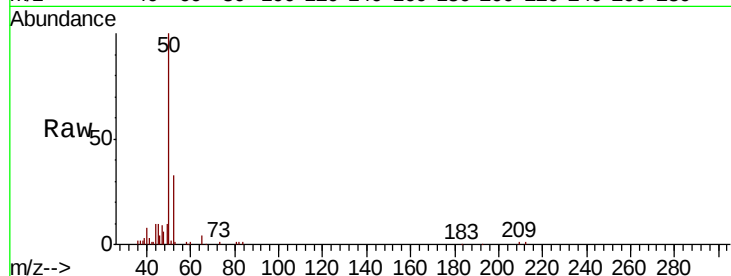
ClientSampleId :

Tot Ion: 50 Resp: 60690

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.4



#9

Propene

Concen: 3.236 ppbv

RT: 3.08 min Scan# 620

Delta R.T. 0.00 min

Lab File: VL032331.D

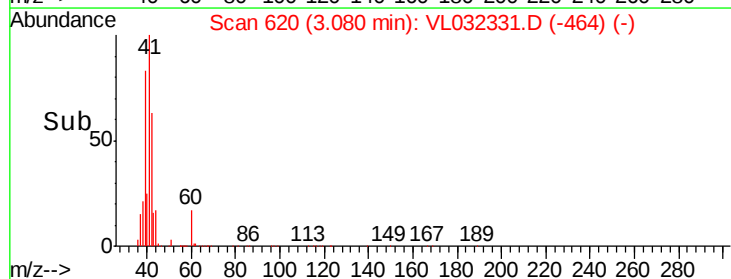
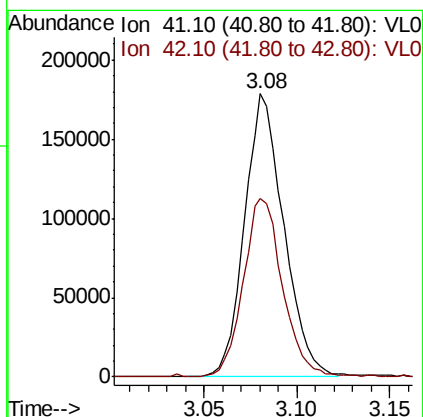
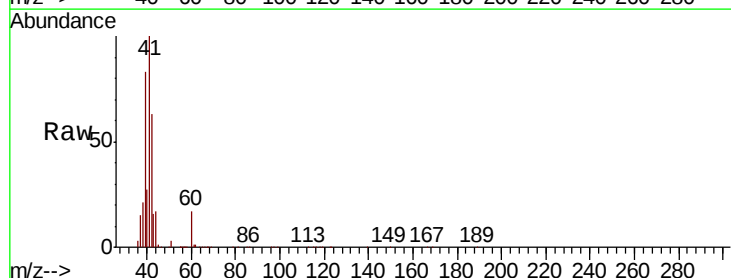
Acq: 1 Aug 2018 20:33

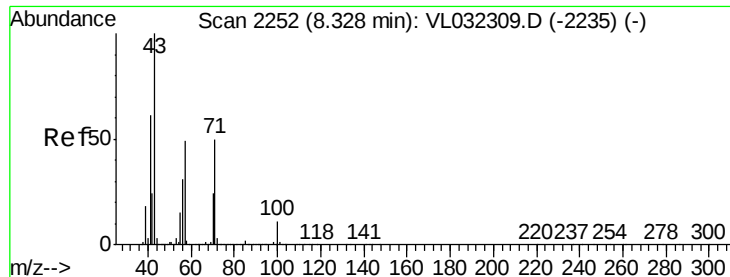
Tgt Ion: 41 Resp: 263463

Ion Ratio Lower Upper

41 100

42 63.5 56.8 85.2





#10

Heptane

Concen: 0.135 ppbv

RT: 8.31 min Scan# 2248

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

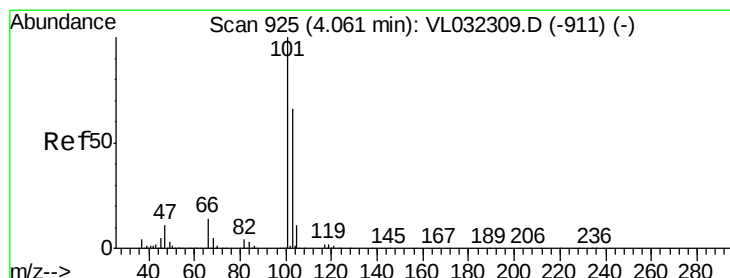
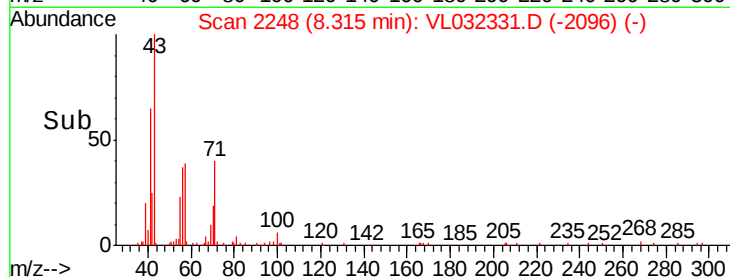
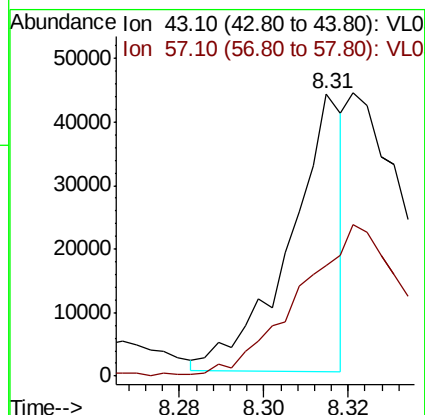
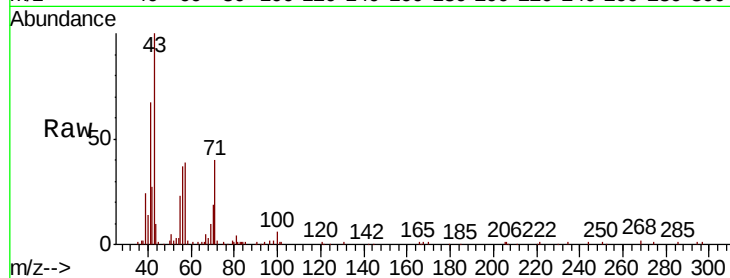
ClientSampleId :

Tot Ion: 43 Resp: 38514

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.4#



#11

Trichlorofluoromethane

Concen: 0.269 ppbv

RT: 4.06 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL032331.D

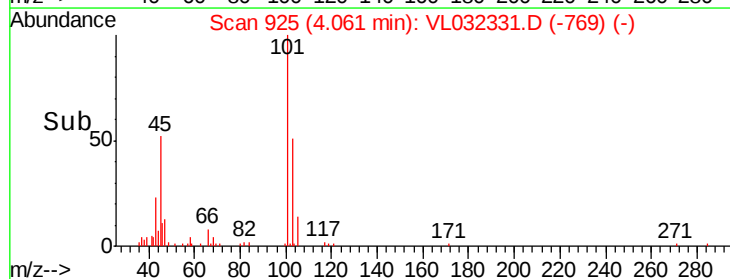
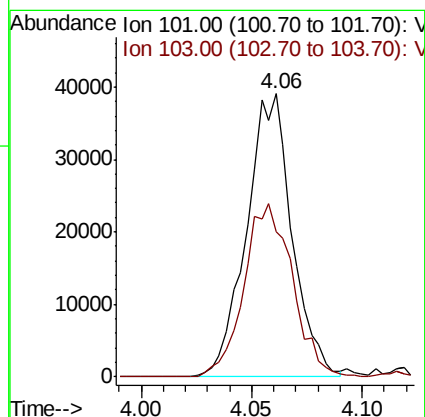
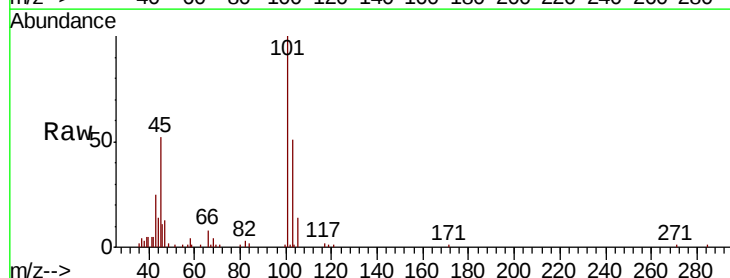
Acq: 1 Aug 2018 20:33

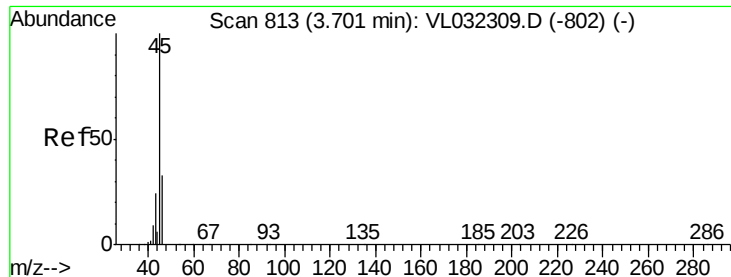
Tgt Ion:101 Resp: 56098

Ion Ratio Lower Upper

101 100

103 52.0 52.6 78.8#

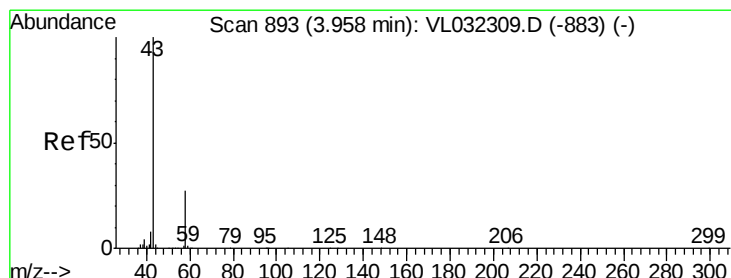
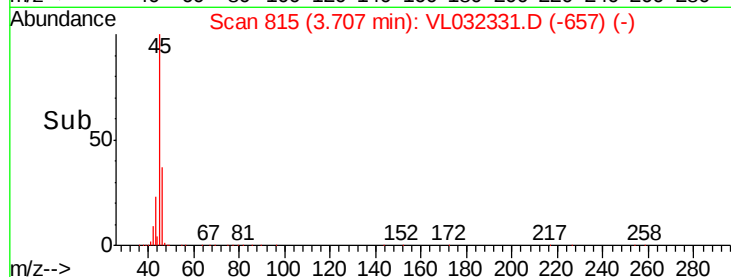
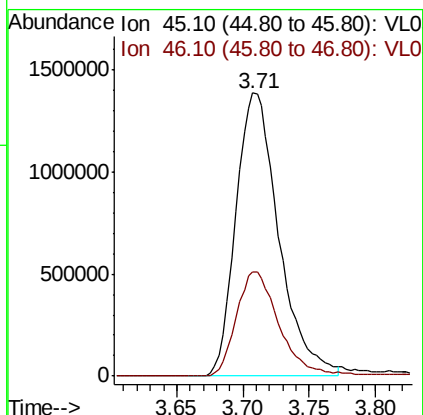
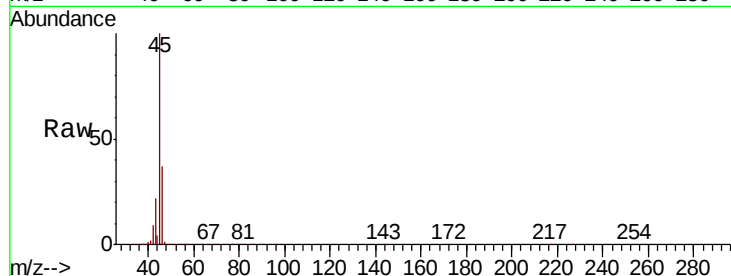




#13
Ethanol
Concen: 132.961 ppbv
RT: 3.71 min Scan# 815
Delta R.T. 0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

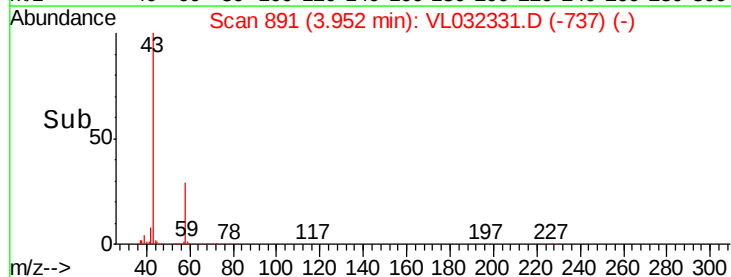
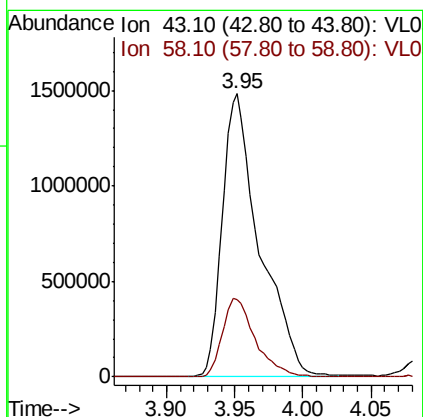
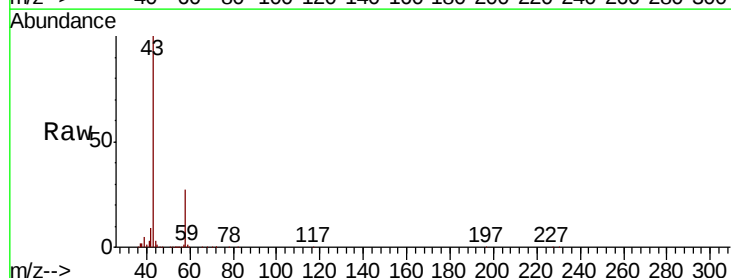
Instrument :
MSVOA_L
ClientSampleId :

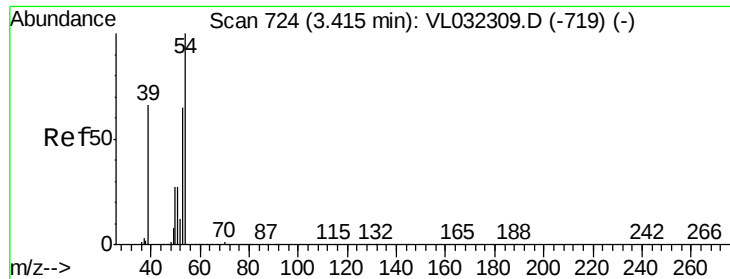
Tot Ion: 45 Resp: 3110641
Ion Ratio Lower Upper
45 100
46 38.3 15.2 60.6



#15
Acetone
Concen: 16.455 ppbv
RT: 3.95 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion: 43 Resp: 2808206
Ion Ratio Lower Upper
43 100
58 24.8 22.5 33.7

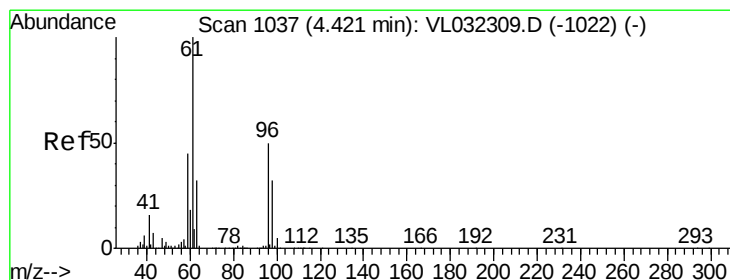
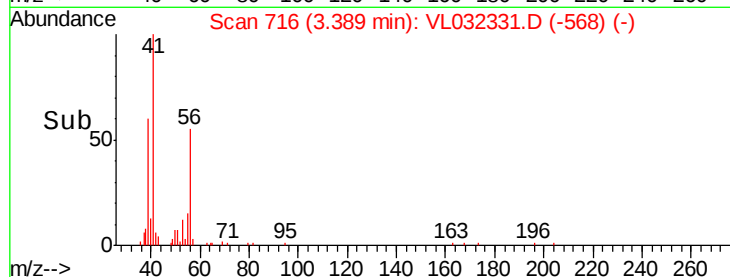
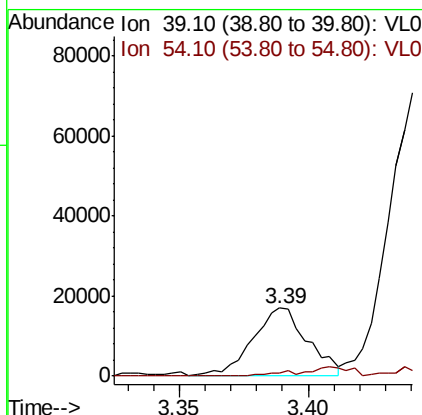
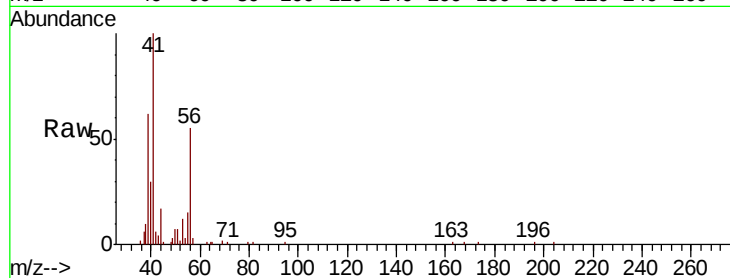




#16
 1,3-Butadiene
 Concen: 0.288 ppbv
 RT: 3.39 min Scan# 716
 Delta R.T. -0.03 min
 Lab File: VL032331.D
 Acq: 1 Aug 2018 20:33

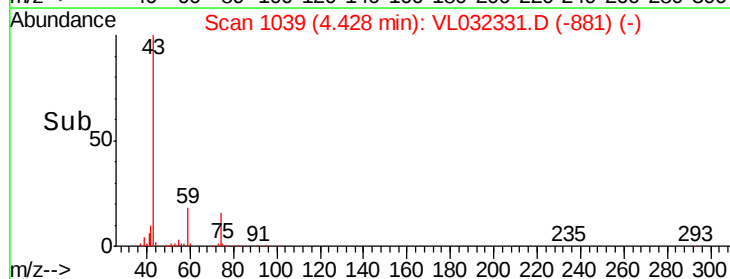
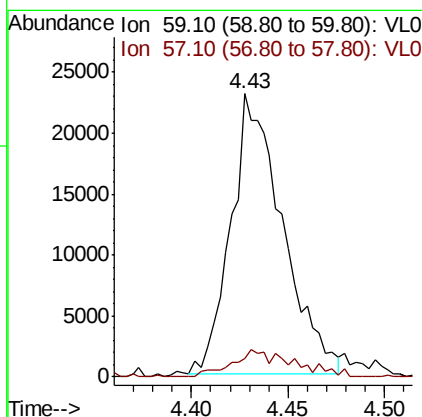
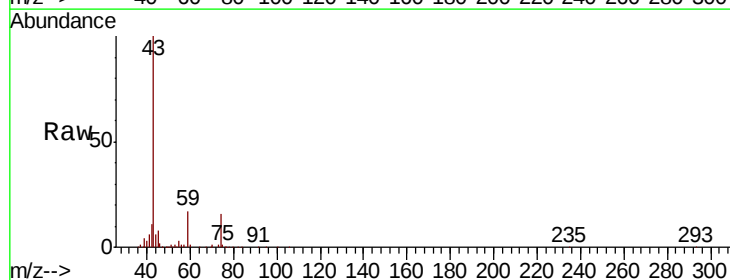
Instrument :
 MSVOA_L
 ClientSampleId :

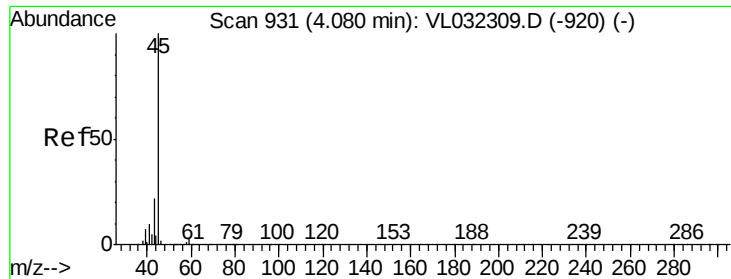
Tot Ion: 39 Resp: 25487
 Ion Ratio Lower Upper
 39 100
 54 13.2 74.3 111.5#



#17
 tert-Butyl alcohol
 Concen: 0.789 ppbv
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VL032331.D
 Acq: 1 Aug 2018 20:33

Tgt Ion: 59 Resp: 42787
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

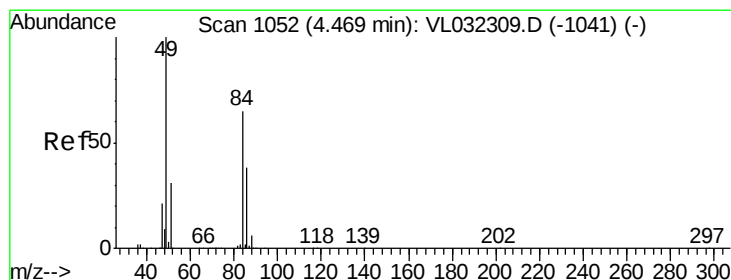
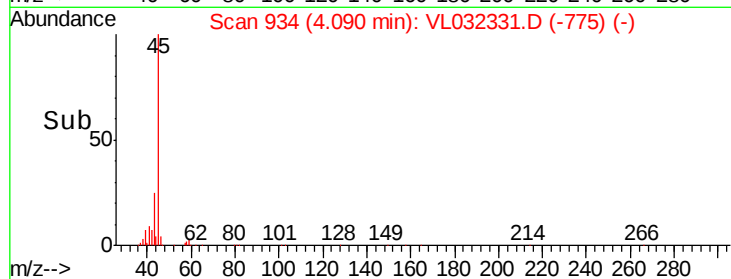
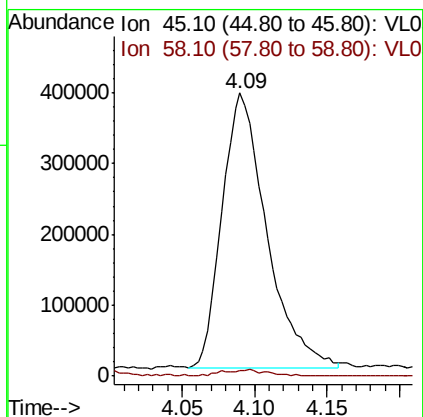
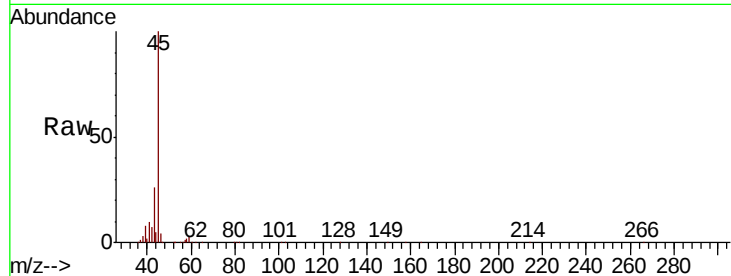




#19
Isopropyl Alcohol
Concen: 7.316 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

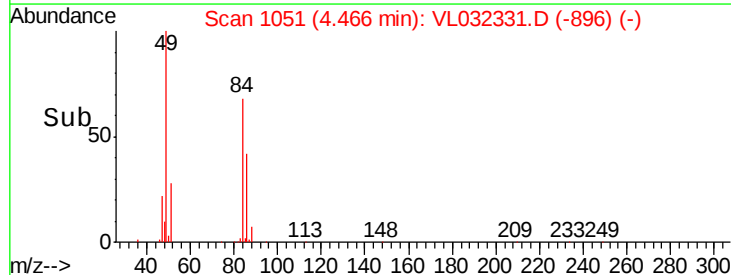
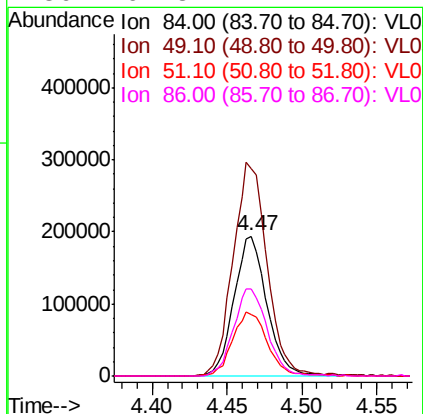
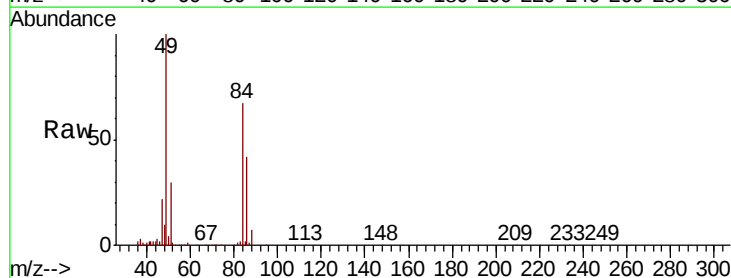
Instrument :
MSVOA_L
ClientSampleId :

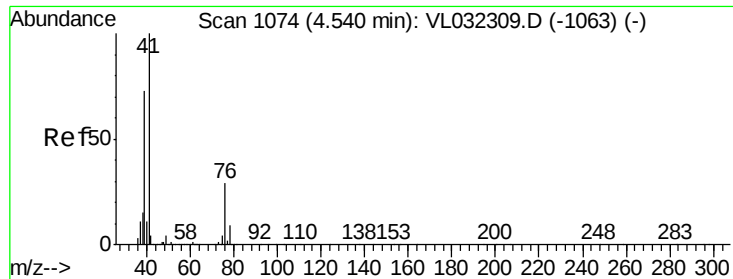
Tot Ion: 45 Resp: 833170
Ion Ratio Lower Upper
45 100
58 83.8 1.5 2.3#



#20
Methylene Chloride
Concen: 4.333 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion: 84 Resp: 297229
Ion Ratio Lower Upper
84 100
49 148.0 123.4 185.0
51 43.8 38.2 57.2
86 62.3 47.4 71.2

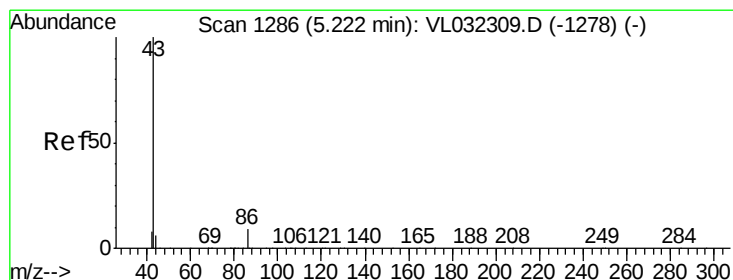
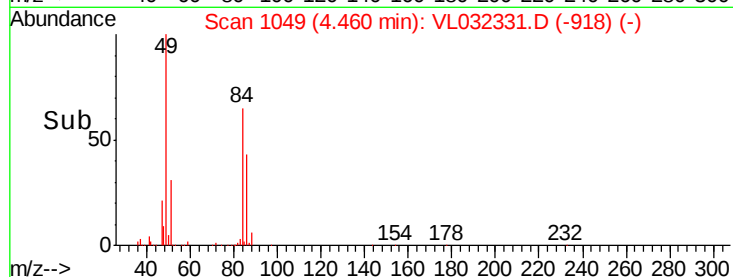
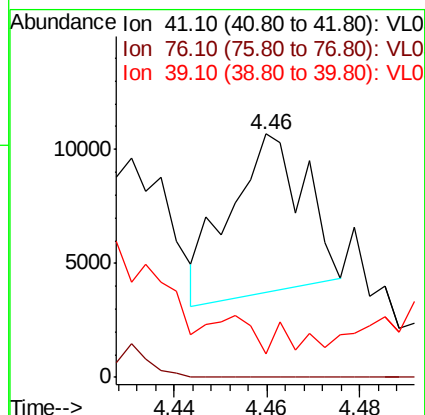
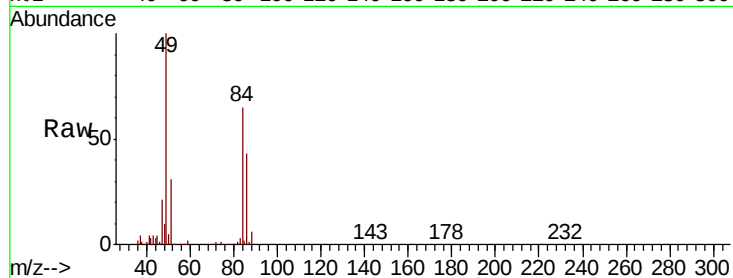




#21
Allvl Chloride
Concen: 0.067 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.08 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

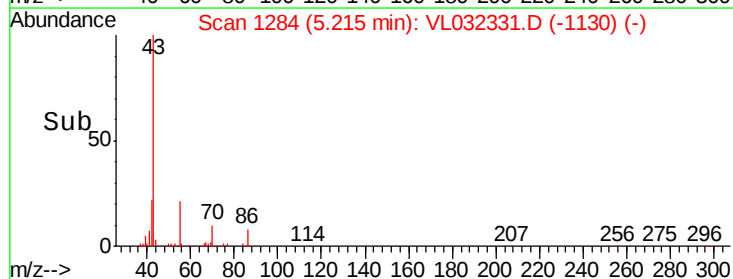
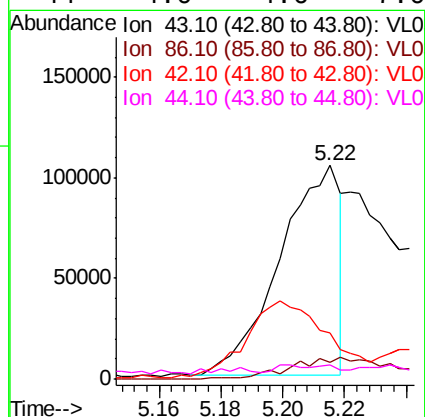
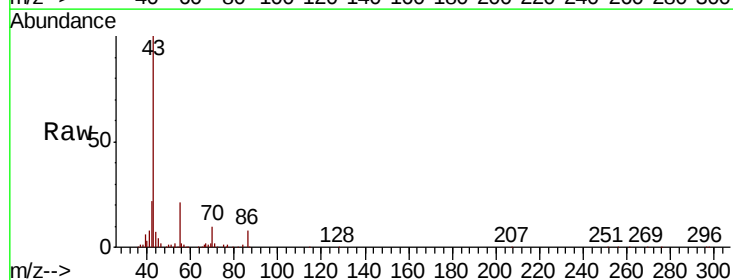
Instrument :
MSVOA_L
ClientSampleId :

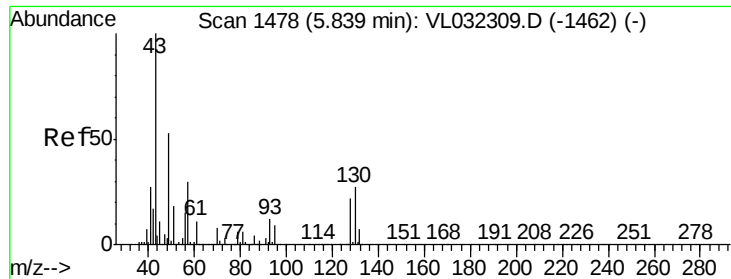
Tot Ion: 41 Resp: 7788
Ion Ratio Lower Upper
41 100
76 0.0 23.1 34.7#
39 0.0 58.2 87.2#



#23
Vinyl Acetate
Concen: 0.465 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion: 43 Resp: 142259
Ion Ratio Lower Upper
43 100
86 8.0 6.3 9.5
42 20.5 7.0 10.4#
44 4.0 4.6 7.0#

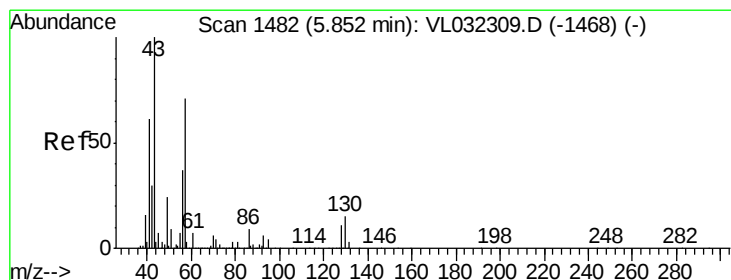
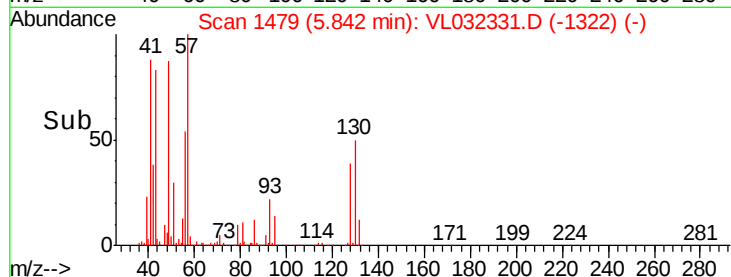
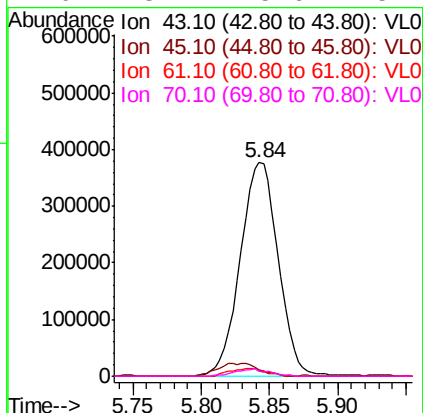
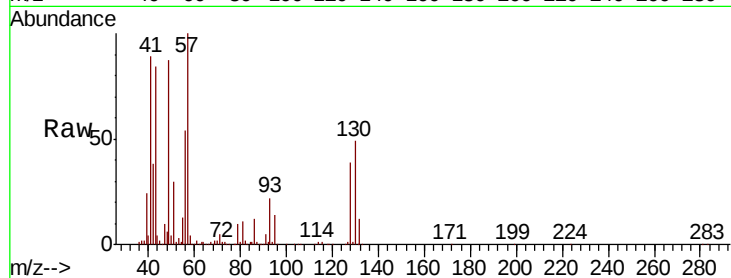




#25
Ethyl Acetate
Concen: 1.896 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

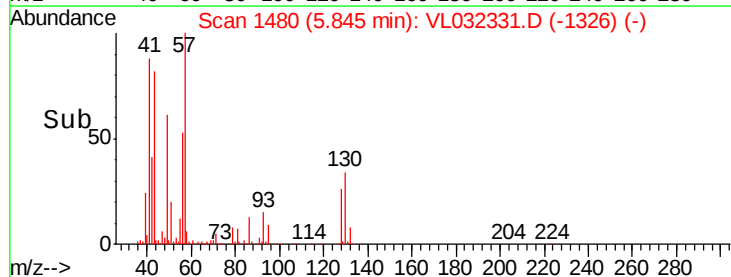
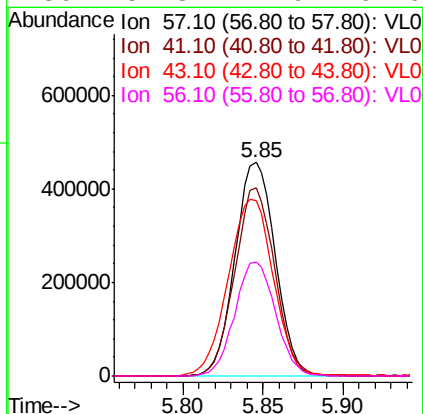
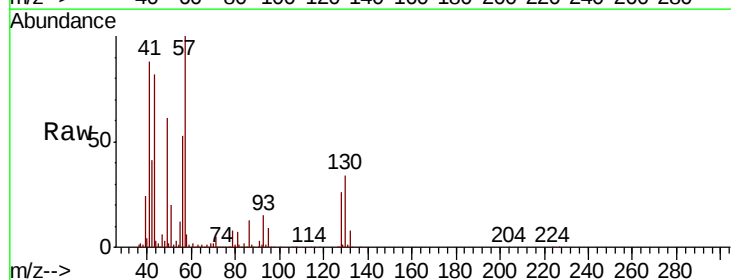
Instrument :
MSVOA_L
ClientSampled :

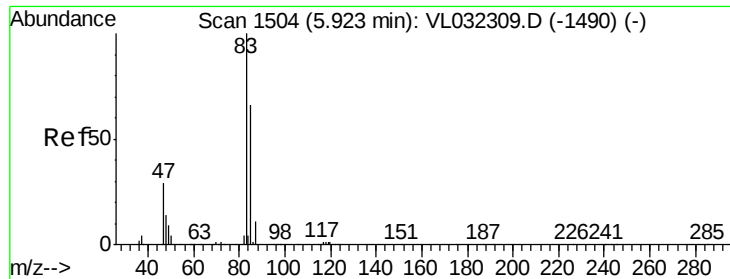
Tot Ion:	43	Resp:	726086
Ion	Ratio	Lower	Upper
43	100		
45	6.8	8.1	12.1#
61	3.6	7.4	11.0#
70	3.2	5.6	8.4#



#26
Hexane
Concen: 4.510 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion:	57	Resp:	781550
Ion	Ratio	Lower	Upper
57	100		
41	88.1	68.1	102.1
43	93.7	177.4	266.2#
56	54.3	41.9	62.9





#29

Chloroform

Concen: 0.030 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

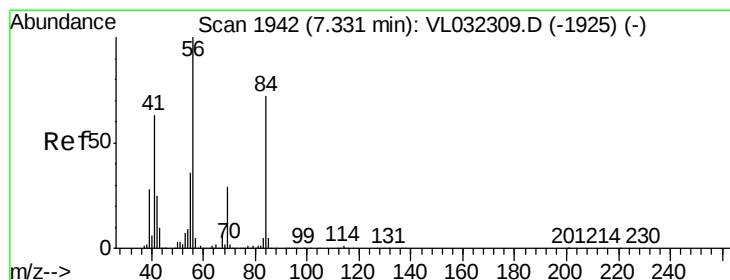
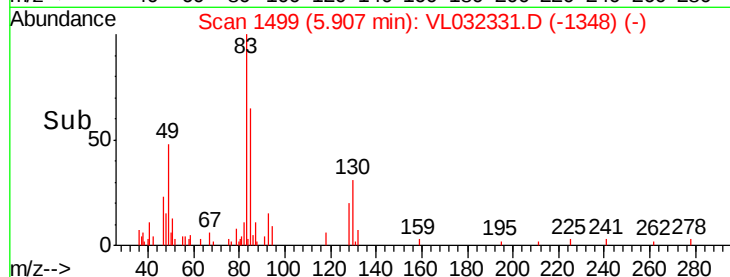
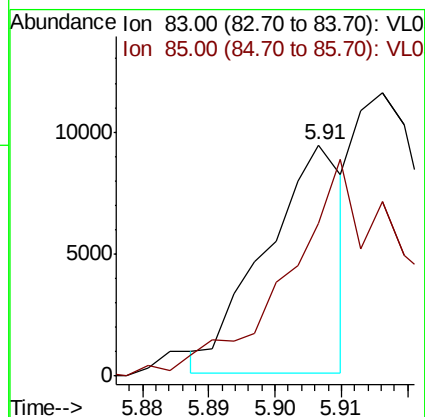
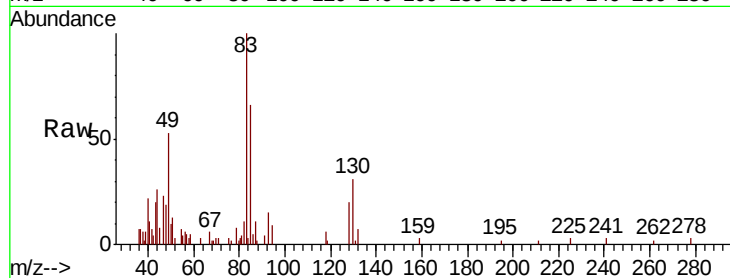
ClientSampleId :

Tot Ion: 83 Resp: 7620

Ion Ratio Lower Upper

83 100

85 63.8 52.9 79.3



#30

Cyclohexane

Concen: 0.102 ppbv

RT: 7.32 min Scan# 1938

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

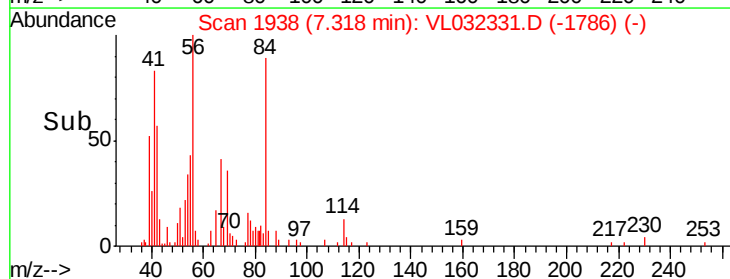
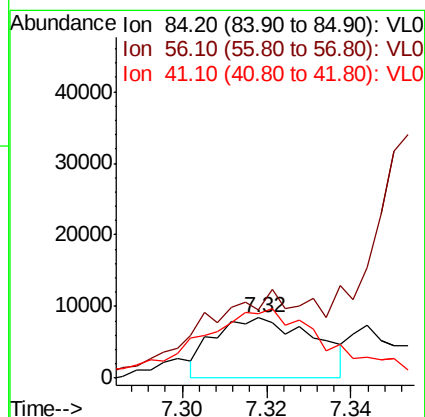
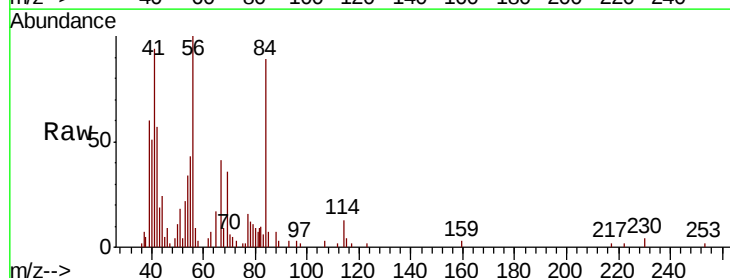
Tgt Ion: 84 Resp: 13852

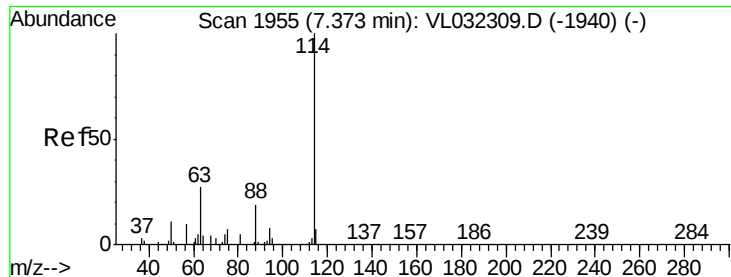
Ion Ratio Lower Upper

84 100

56 0.0 116.8 175.2#

41 127.6 70.0 105.0#

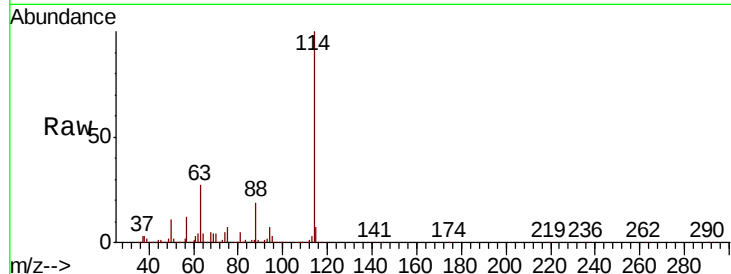




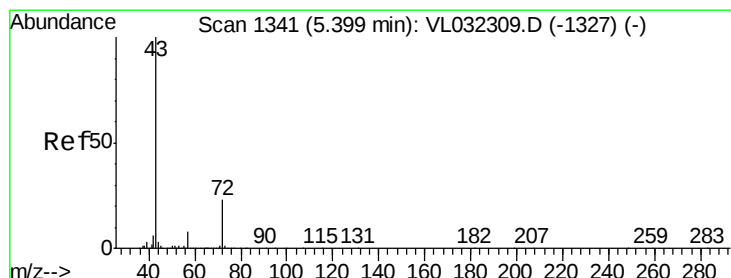
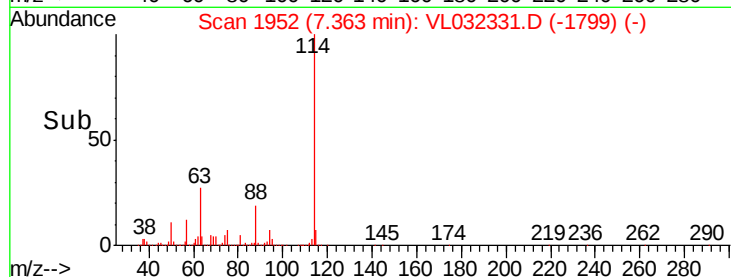
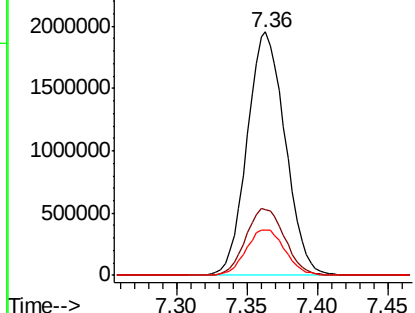
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VL032331.D
 Acq: 1 Aug 2018 20:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3691775
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.4 33.6
 88 19.2 15.3 22.9

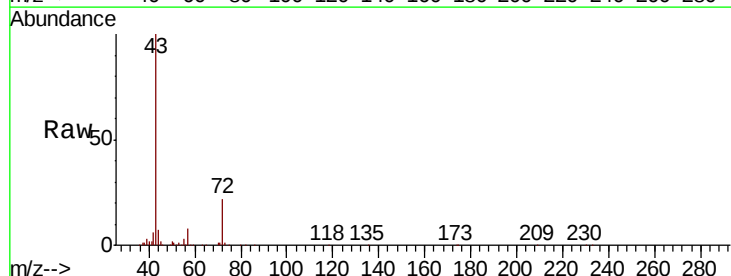


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

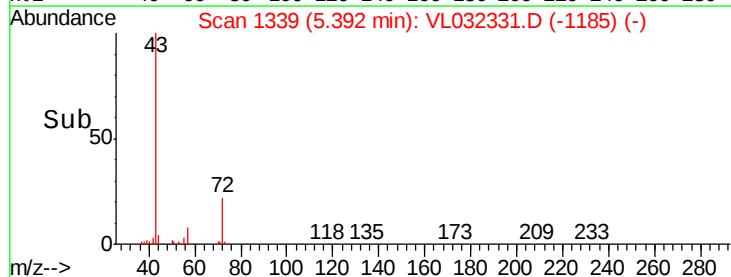
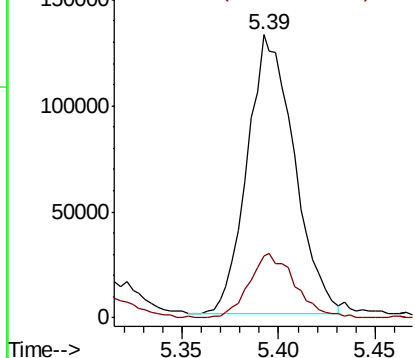


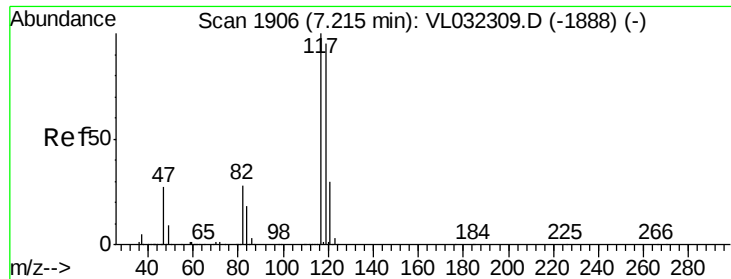
#34
 2-Butanone
 Concen: 0.933 ppbv
 RT: 5.39 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VL032331.D
 Acq: 1 Aug 2018 20:33

Tgt Ion: 43 Resp: 222891
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 7.20 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

ClientSampleId :

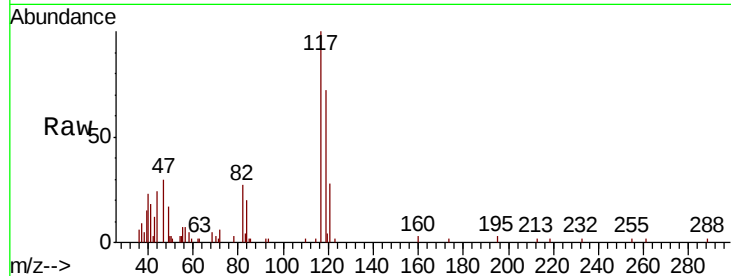
Tot Ion:117 Resp: 8201

Ion Ratio Lower Upper

117 100

119 75.6 76.1 114.1#

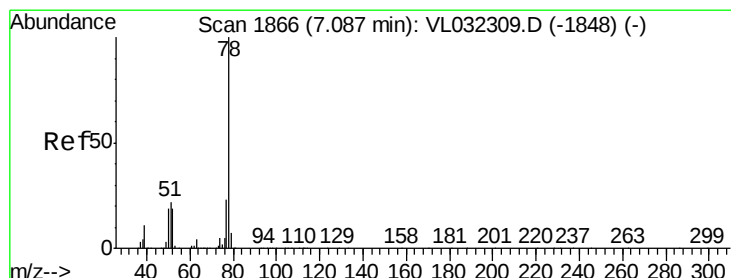
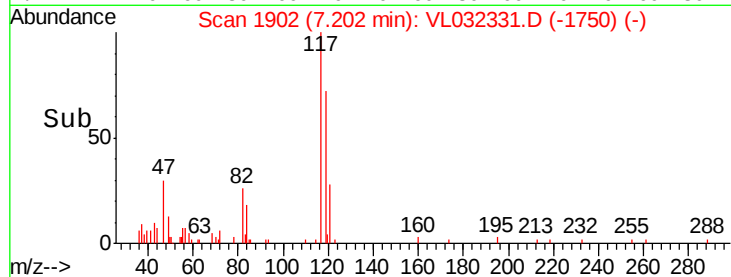
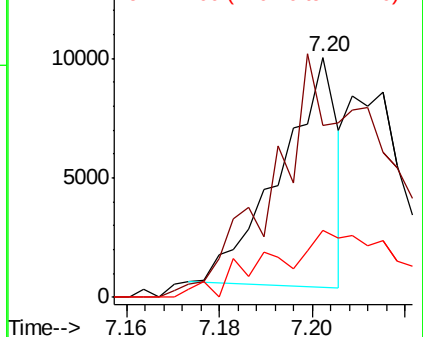
121 26.4 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.237 ppbv

RT: 7.08 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

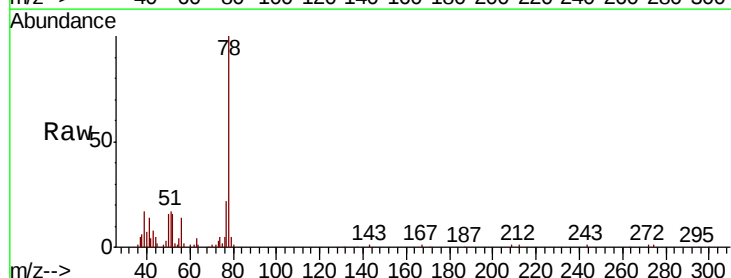
Tgt Ion: 78 Resp: 77169

Ion Ratio Lower Upper

78 100

77 22.0 18.4 27.6

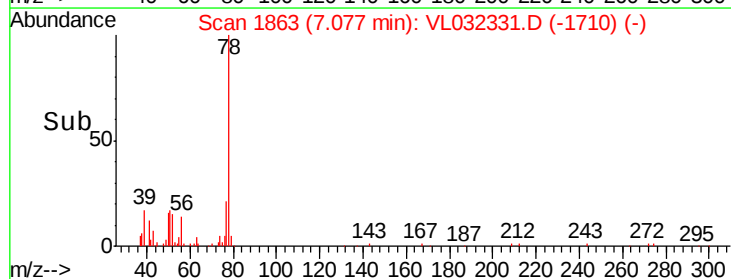
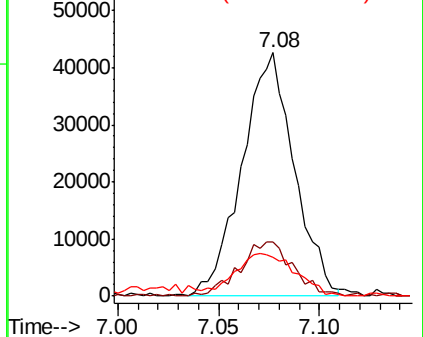
50 14.0 15.3 22.9#

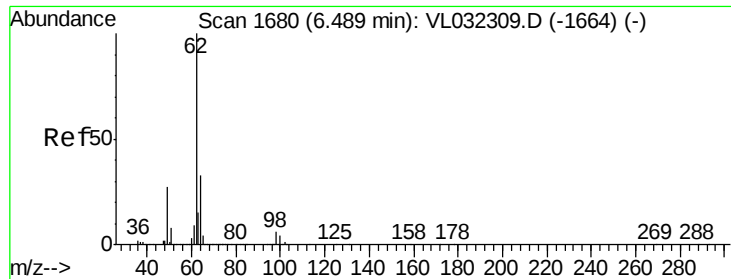


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.446 ppbv

RT: 6.48 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

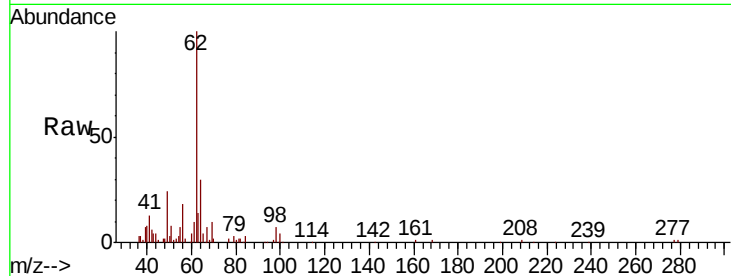
ClientSampled :

Tot Ion: 62 Resp: 83911

Ion Ratio Lower Upper

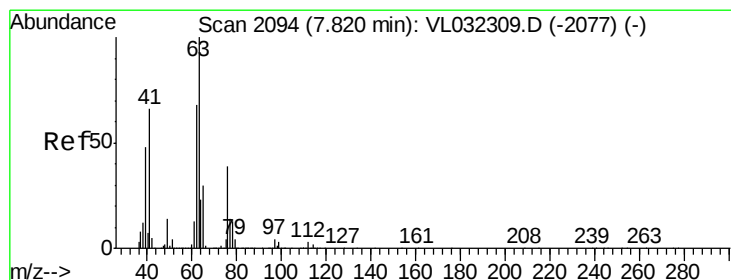
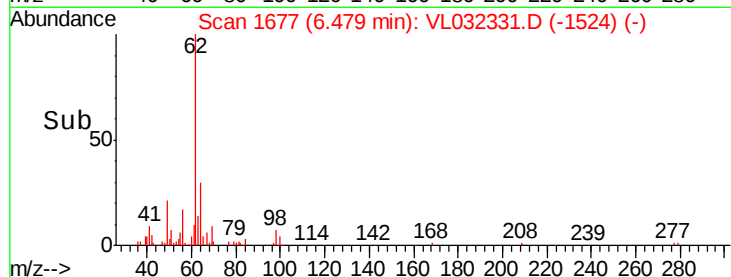
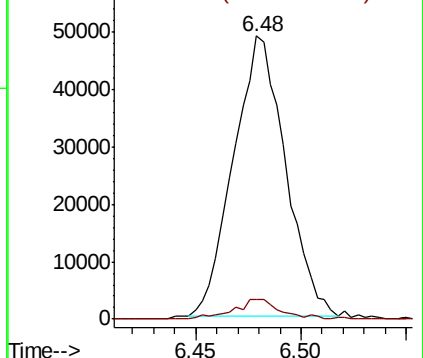
62 100

98 6.6 5.1 7.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#39

1,2-Dichloropropane

Concen: 6.297 ppbv

RT: 7.36 min Scan# 1951

Delta R.T. -0.46 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

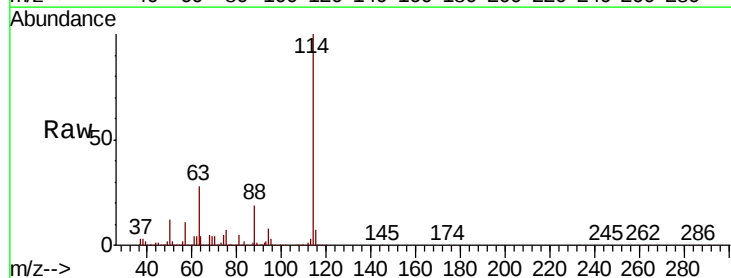
Tgt Ion: 63 Resp: 1030876

Ion Ratio Lower Upper

63 100

41 0.0 52.5 78.7#

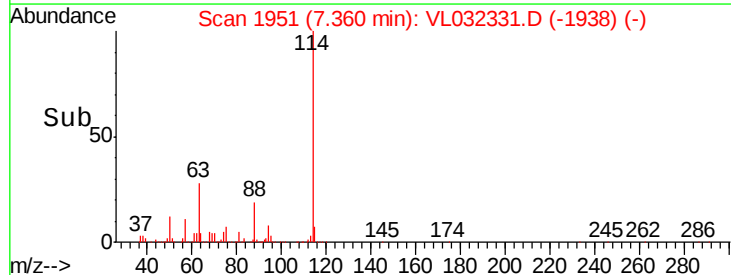
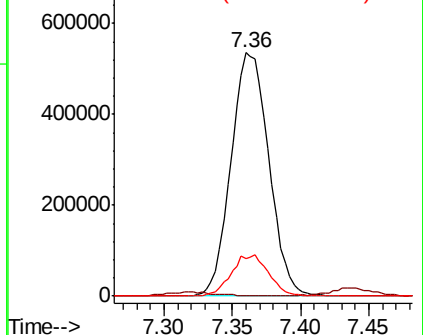
62 15.5 54.6 81.8#

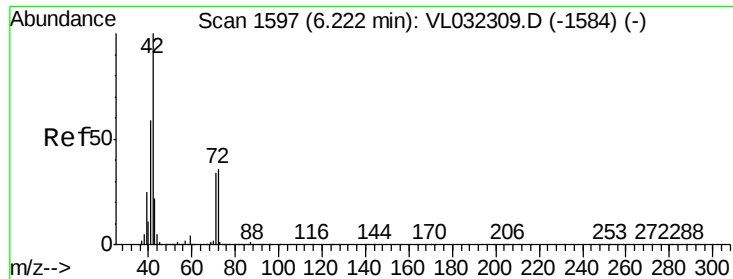


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

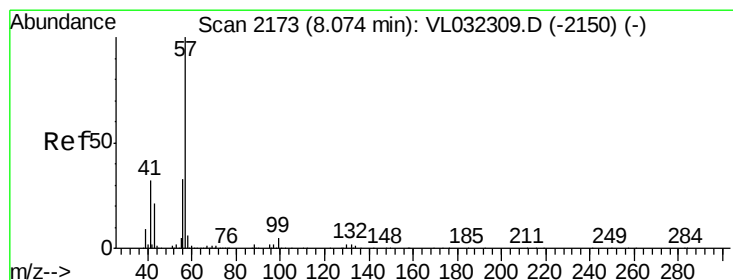
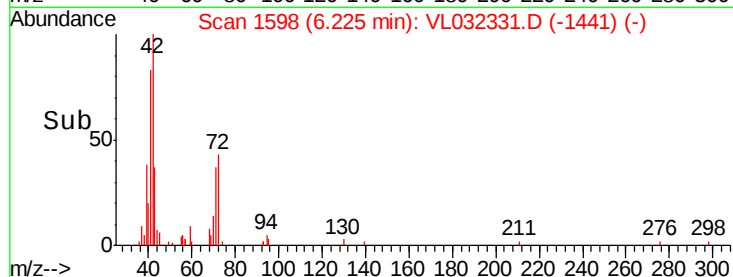
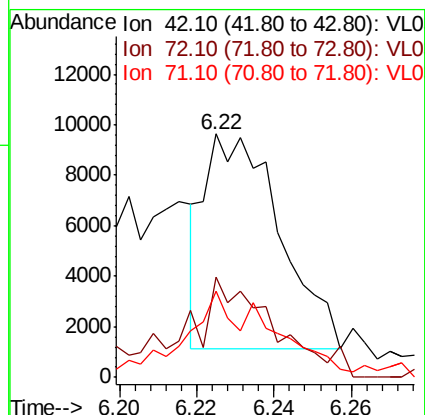
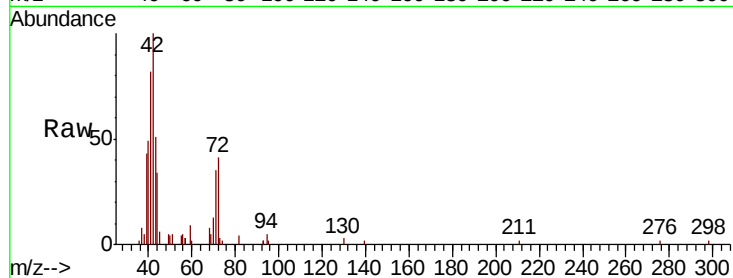




#41
Tetrahydrofuran
Concen: 0.084 ppbv
RT: 6.22 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

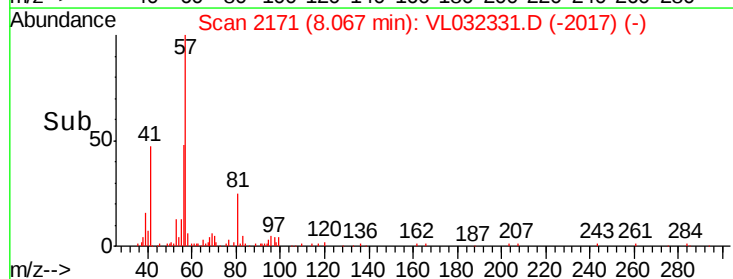
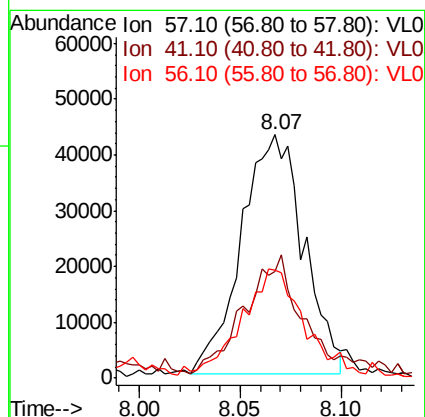
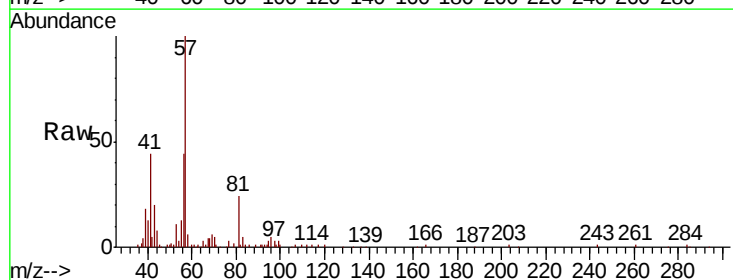
Instrument :
MSVOA_L
ClientSampleId :

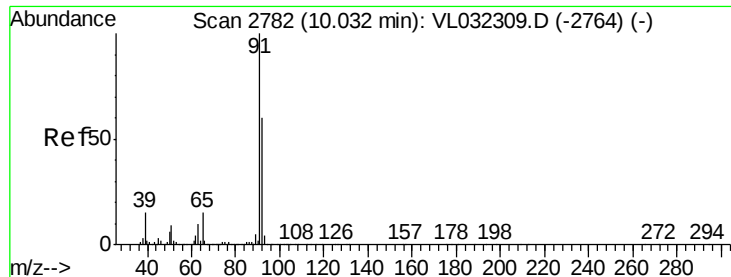
Tot Ion: 42 Resp: 11409
Ion Ratio Lower Upper
42 100
72 57.7 28.6 42.8#
71 50.8 27.8 41.6#



#44
2,2,4-Trimethylpentane
Concen: 0.131 ppbv
RT: 8.07 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion: 57 Resp: 92495
Ion Ratio Lower Upper
57 100
41 50.6 24.3 36.5#
56 48.7 25.4 38.2#





#53

Toluene

Concen: 1.070 ppbv

RT: 10.03 min Scan# 2780

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

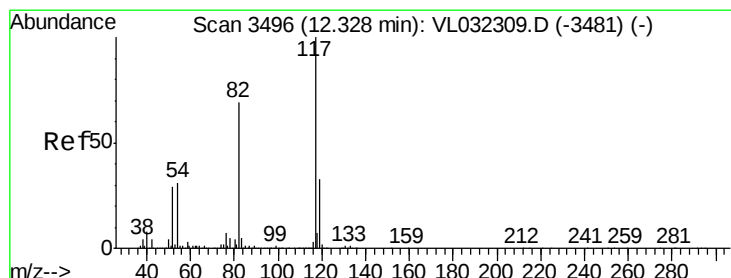
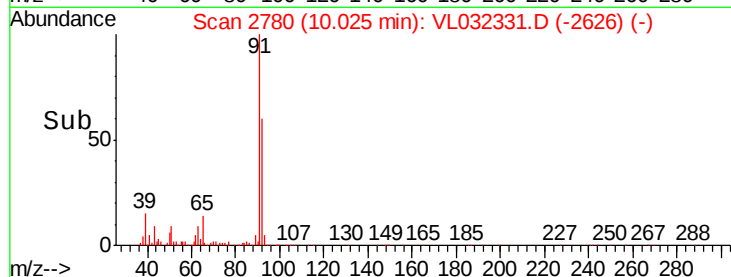
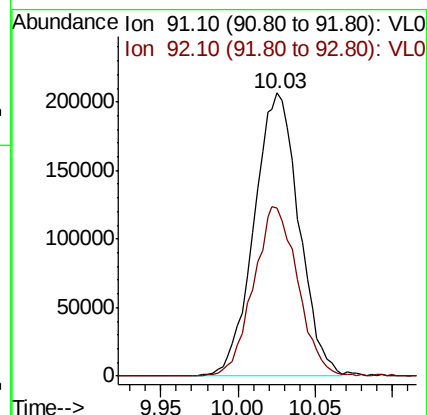
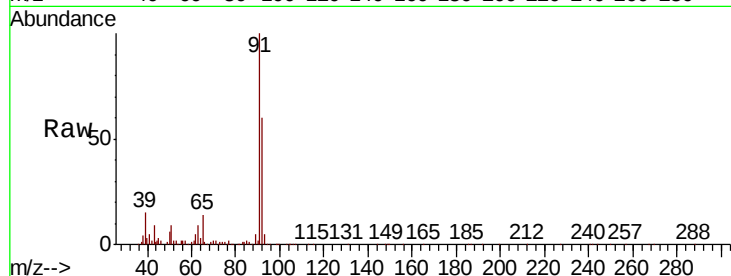
ClientSampleId :

Tot Ion: 91 Resp: 416232

Ion Ratio Lower Upper

91 100

92 59.5 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.32 min Scan# 3494

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

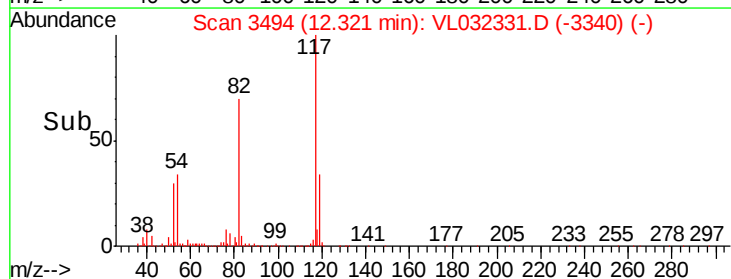
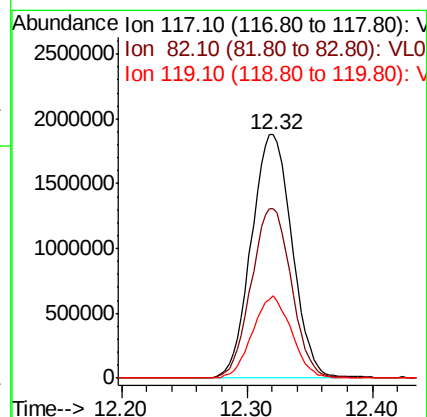
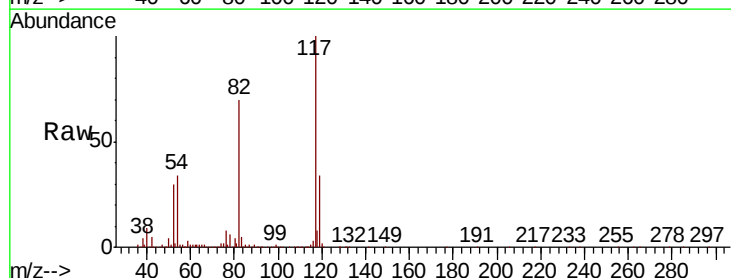
Tgt Ion: 117 Resp: 4225990

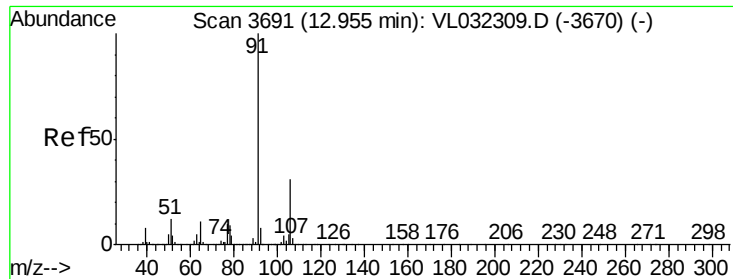
Ion Ratio Lower Upper

117 100

82 69.6 52.6 78.8

119 32.6 25.7 38.5





#58

Ethyl Benzene

Concen: 0.107 ppbv

RT: 12.94 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

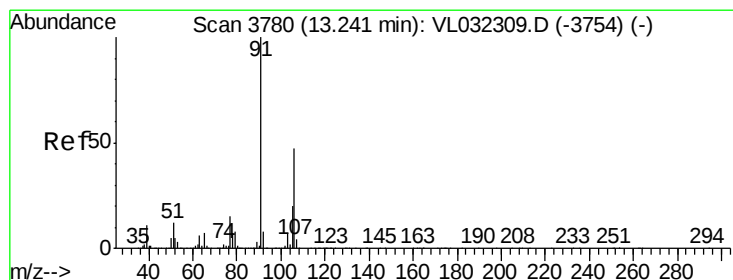
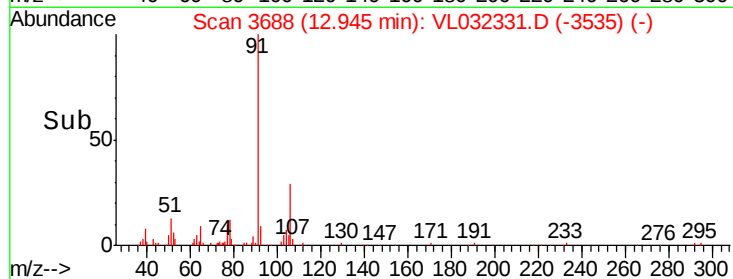
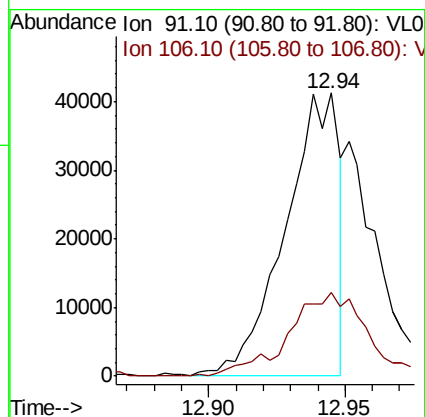
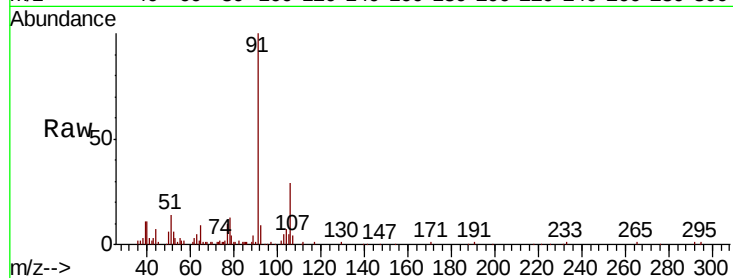
ClientSampleId :

Tot Ion: 91 Resp: 56556

Ion Ratio Lower Upper

91 100

106 29.4 25.0 37.4



#59

m/p-Xylene

Concen: 0.068 ppbv

RT: 13.24 min Scan# 3780

Delta R.T. 0.00 min

Lab File: VL032331.D

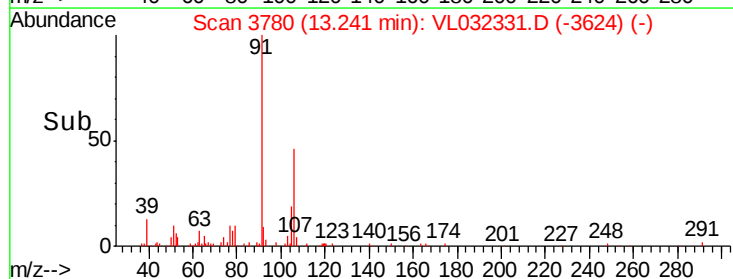
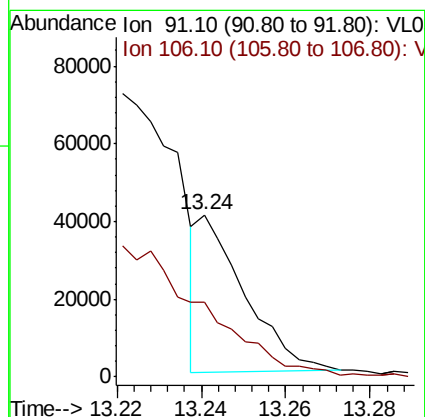
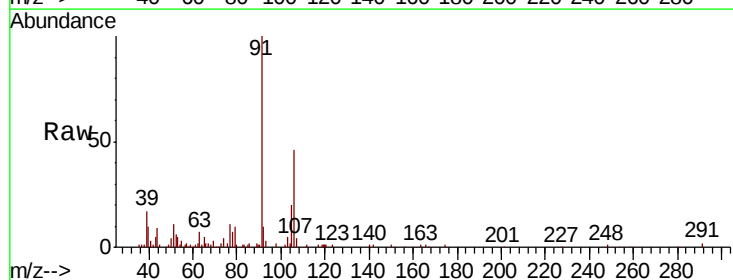
Acq: 1 Aug 2018 20:33

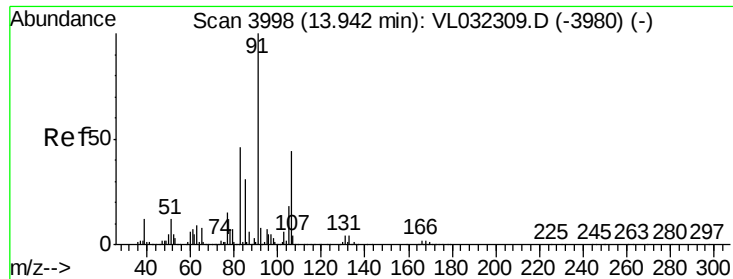
Tgt Ion: 91 Resp: 30497

Ion Ratio Lower Upper

91 100

106 0.0 36.4 54.6#

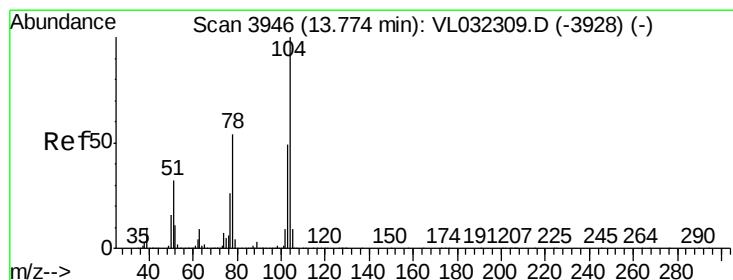
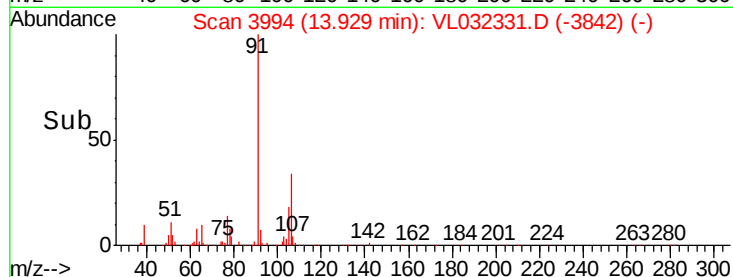
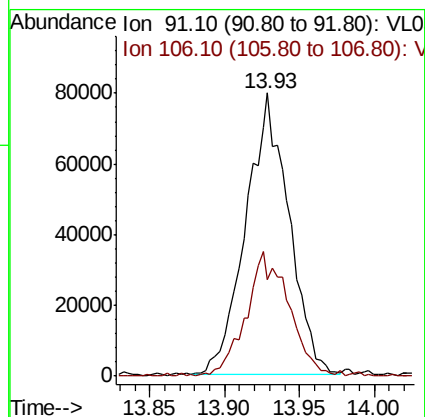
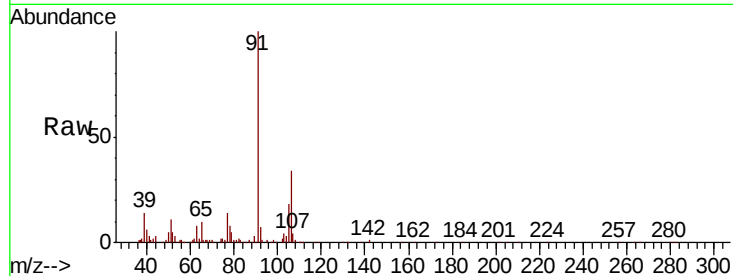




#60
o-Xylene
Concen: 0.361 ppbv
RT: 13.93 min Scan# 3994
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

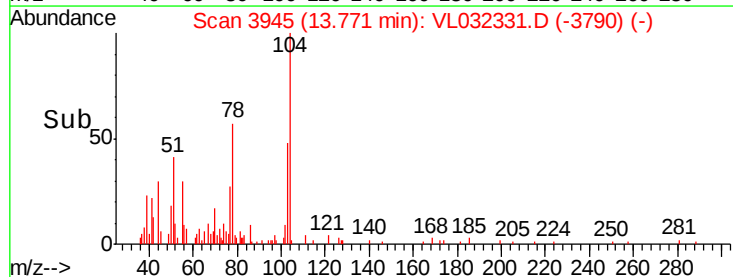
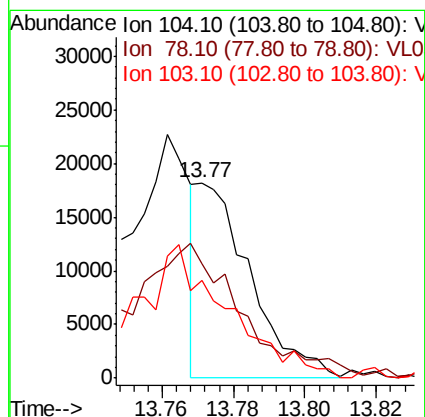
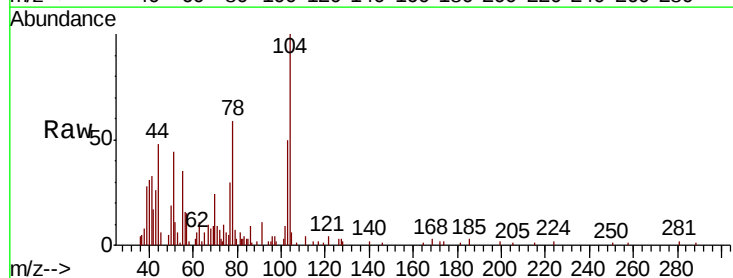
Instrument :
MSVOA_L
ClientSampled :

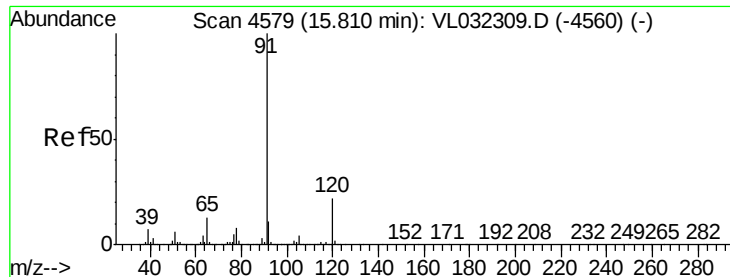
Tot Ion: 91 Resp: 159525
Ion Ratio Lower Upper
91 100
106 44.4 22.4 67.0



#61
Styrene
Concen: 0.057 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion:104 Resp: 18607
Ion Ratio Lower Upper
104 100
78 153.7 42.6 63.8#
103 127.1 38.0 57.0#





#64

n-propylbenzene

Concen: 0.061 ppbv

RT: 15.80 min Scan# 4576

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

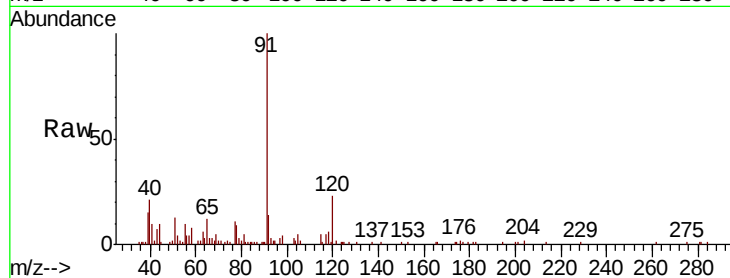
ClientSampled :

Tot Ion:120 Resp: 9908

Ion Ratio Lower Upper

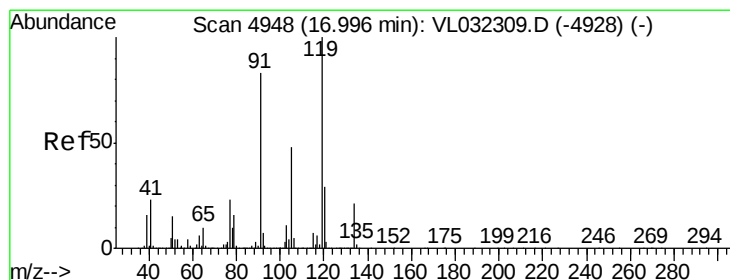
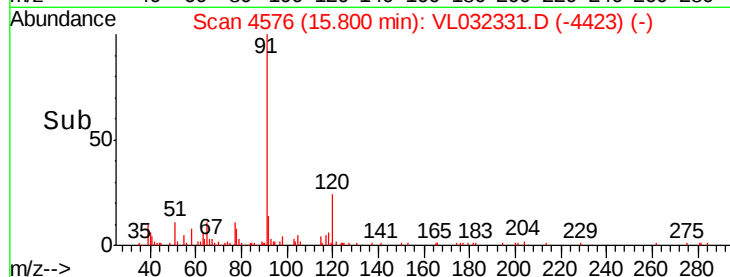
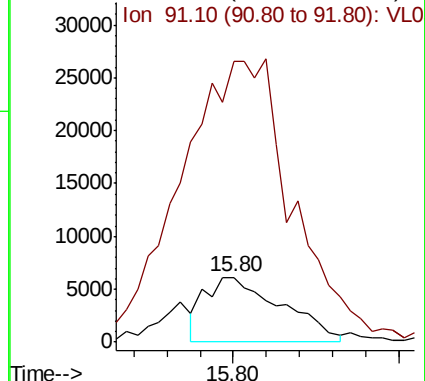
120 100

91 642.5 381.8 572.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.030 ppbv

RT: 17.00 min Scan# 4949

Delta R.T. 0.00 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

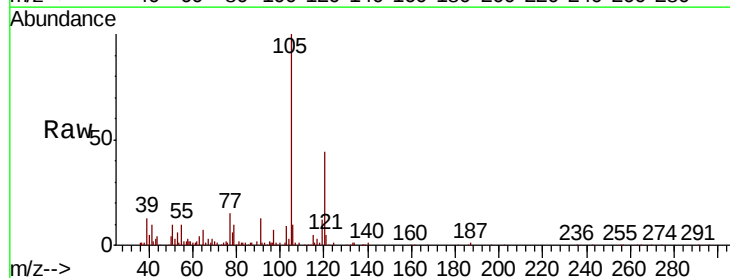
Tgt Ion:119 Resp: 16098

Ion Ratio Lower Upper

119 100

91 209.7 67.5 101.3#

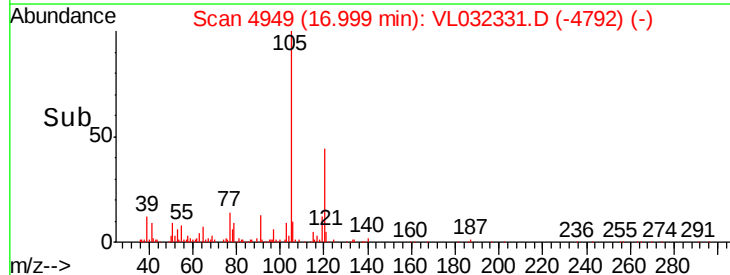
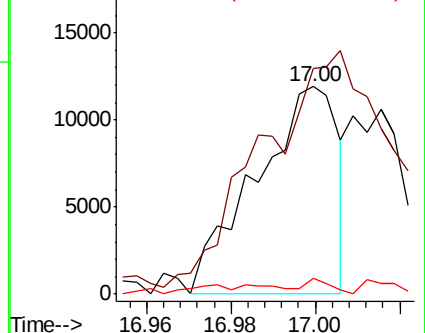
134 7.2 15.8 23.6#

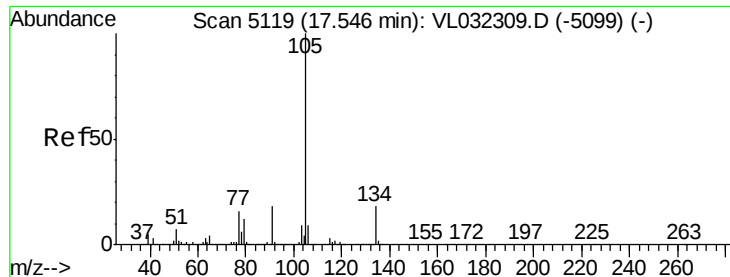


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.047 ppbv

RT: 17.84 min Scan# 5211

Delta R.T. 0.30 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

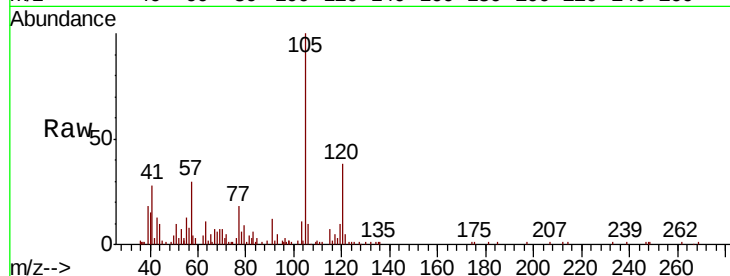
ClientSampleId :

Tot Ion:105 Resp: 37017

Ion Ratio Lower Upper

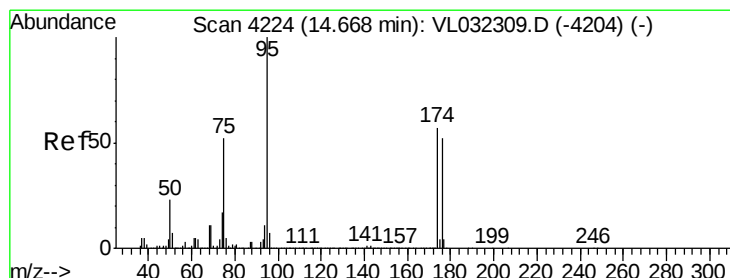
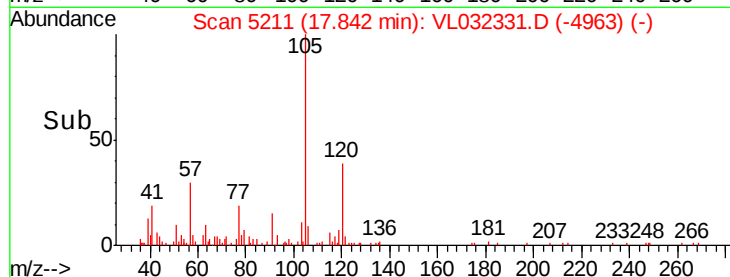
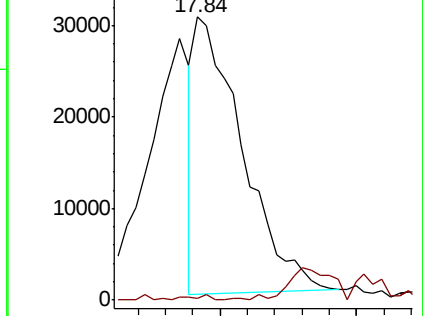
105 100

134 17.7 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.264 ppbv

RT: 14.66 min Scan# 4221

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

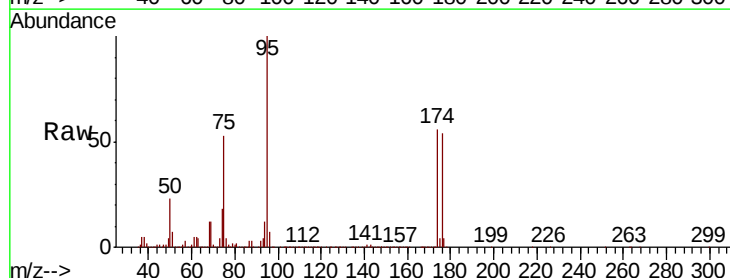
Tgt Ion: 95 Resp: 3366965

Ion Ratio Lower Upper

95 100

174 57.0 45.5 68.3

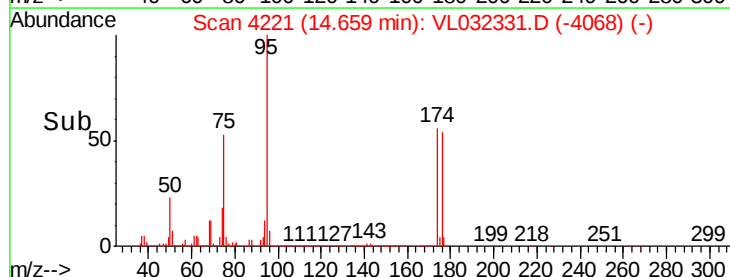
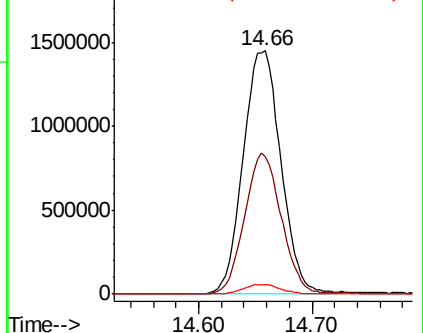
175 4.1 3.3 4.9

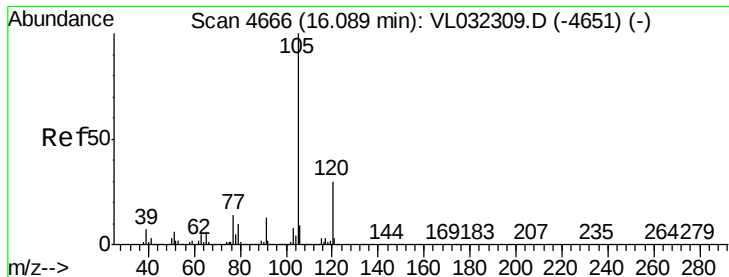


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.164 ppbv

RT: 16.08 min Scan# 4663

Delta R.T. -0.01 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 81128

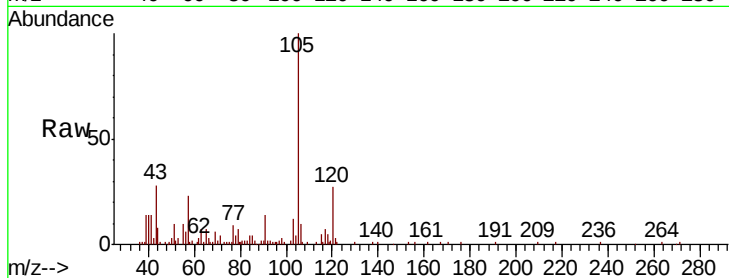
Ion Ratio Lower Upper

105 100

120 29.5 23.1 34.7

91 17.9 10.0 15.0#

77 15.8 11.5 17.3

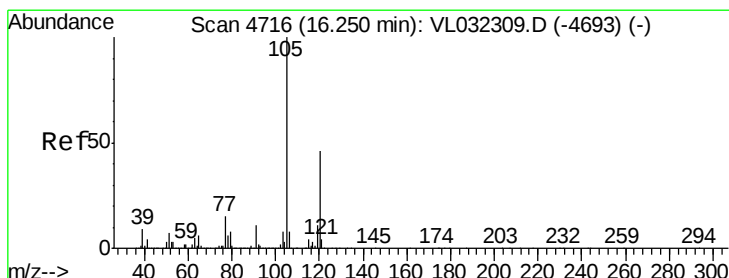
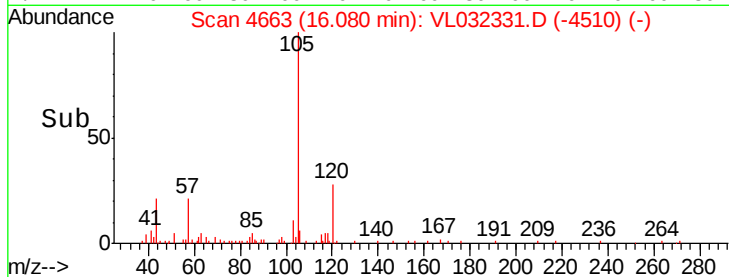
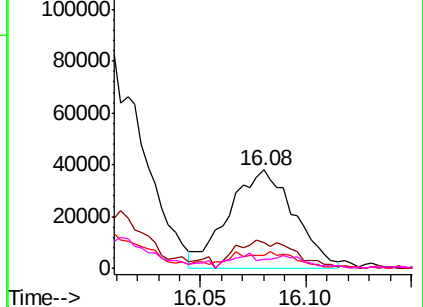


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.049 ppbv

RT: 16.24 min Scan# 4714

Delta R.T. -0.01 min

Lab File: VL032331.D

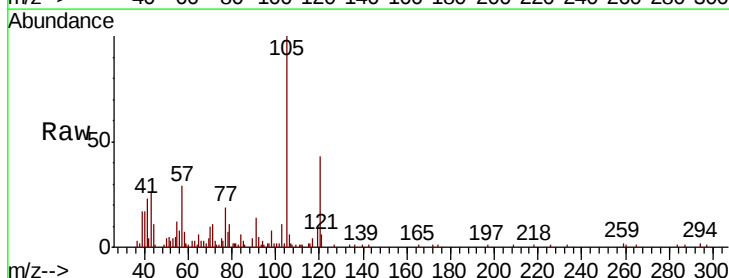
Acq: 1 Aug 2018 20:33

Tgt Ion:105 Resp: 24025

Ion Ratio Lower Upper

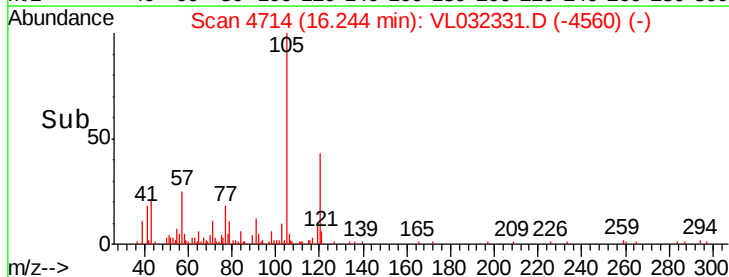
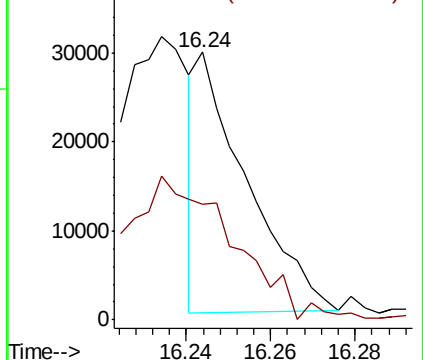
105 100

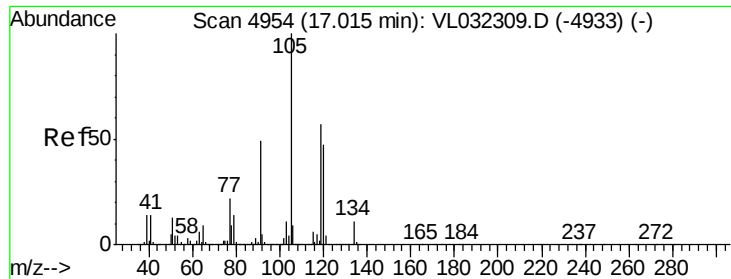
120 42.8 36.5 54.7



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: 0.473 ppbv

RT: 17.00 min Scan# 4950

Delta R.T. -0.01 min

Lab File: VL032331.D

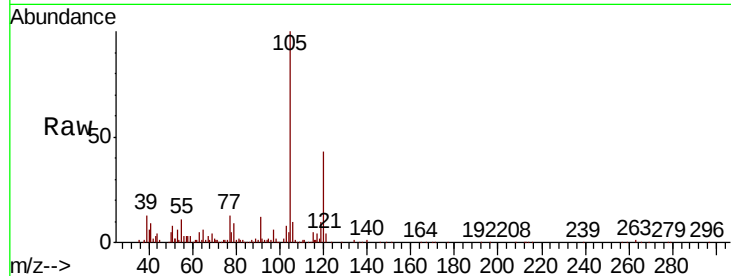
Acq: 1 Aug 2018 20:33

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	243470
Ion	Ratio	Lower	Upper
105	100		
120	42.7	37.8	56.6
91	10.8	39.4	59.0#
77	13.2	17.6	26.4#

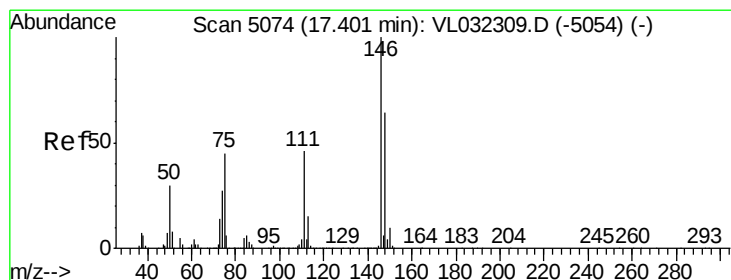
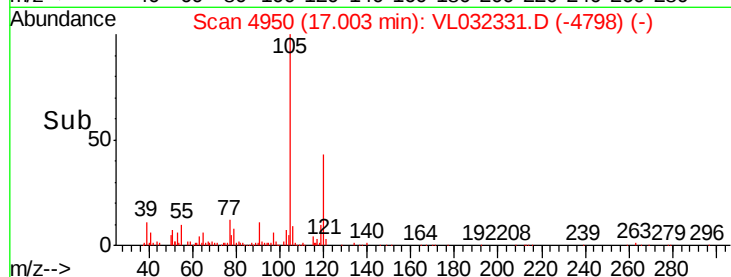
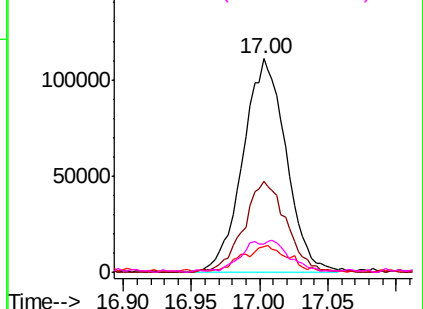


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.072 ppbv

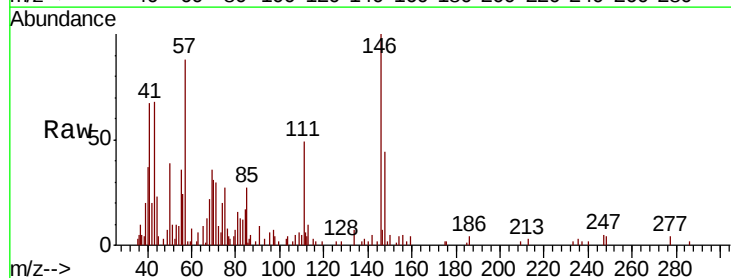
RT: 17.38 min Scan# 5068

Delta R.T. -0.02 min

Lab File: VL032331.D

Acq: 1 Aug 2018 20:33

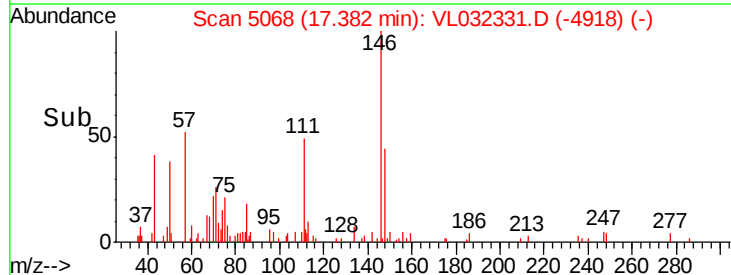
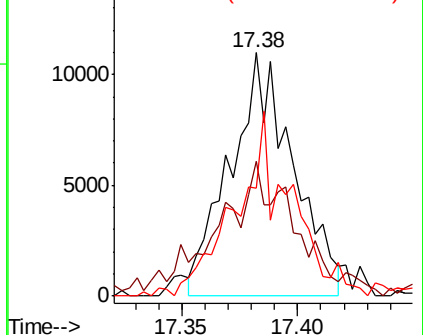
Tgt Ion:	146	Resp:	20662
Ion	Ratio	Lower	Upper
146	100		
111	72.9	23.6	70.8#
148	70.1	32.1	96.3

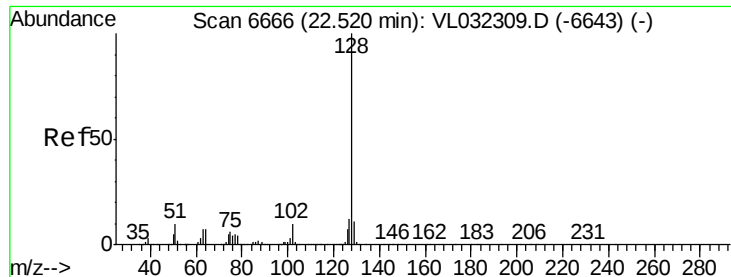


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

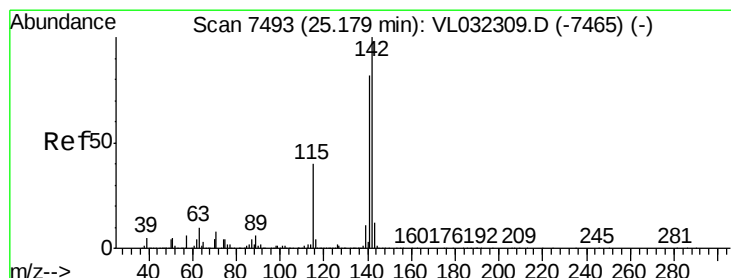
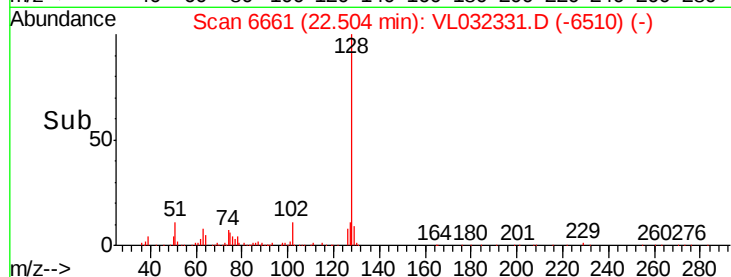
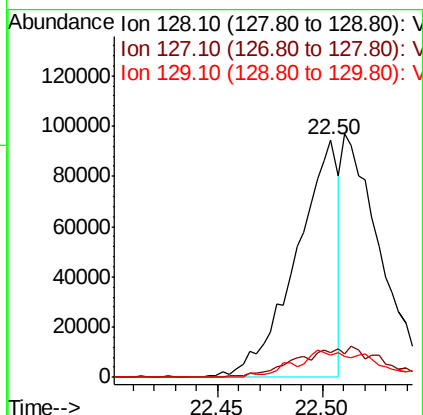
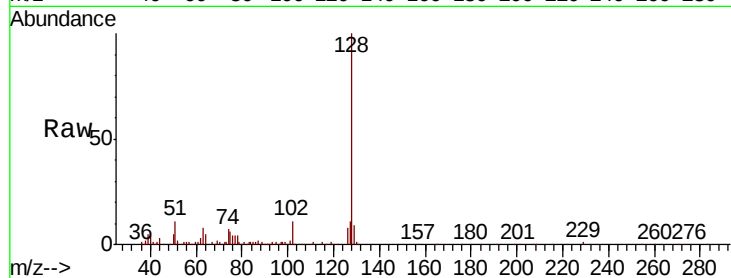




#79
Naphthalene
Concen: 0.295 ppbv
RT: 22.50 min Scan# 6661
Delta R.T. -0.02 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 131804
Ion Ratio Lower Upper
128 100
127 10.5 9.9 14.9
129 9.3 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 0.065 ppbv
RT: 25.17 min Scan# 7491
Delta R.T. -0.01 min
Lab File: VL032331.D
Acq: 1 Aug 2018 20:33

Tgt Ion:142 Resp: 11505
Ion Ratio Lower Upper
142 100
141 85.4 66.7 100.1
115 40.9 31.1 46.7

