

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033917.D
 Acq On : 14 Jun 2019 4:10
 Operator : SY/AP
 Sample : K3367-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 14 05:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

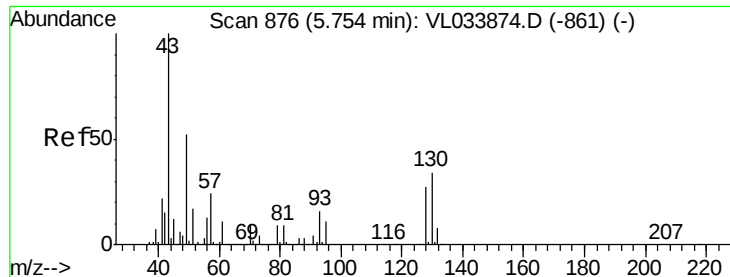
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	930791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2087829	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2060971	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1752937	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	58092	0.385	ppbv	90
3) Chlorodifluoromethane	2.98	51	277155	2.529	ppbv #	69
4) Chloromethane	3.16	50	34356	0.550	ppbv	92
9) Propene	3.23	41	243073	5.928	ppbv	99
11) Trichlorofluoromethane	4.00	101	41404	0.212	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.53	101	4346	0.033	ppbv #	13
13) Ethanol	3.67	45	13602906	1019.710	ppbv	99
15) Acetone	3.89	43	1971743	14.525	ppbv	99
16) 1,3-Butadiene	3.33	39	18437	0.357	ppbv #	66
19) Isopropyl Alcohol	4.05	45	341941	4.409	ppbv #	1
20) Methylene Chloride	4.39	84	18668	0.353	ppbv	91
21) Allyl Chloride	4.42	41	9948	0.129	ppbv #	32
23) Vinyl Acetate	5.14	43	9002	0.057	ppbv #	1
25) Ethyl Acetate	5.76	43	244486	1.183	ppbv #	96
26) Hexane	5.76	57	78424	0.833	ppbv #	62
29) Chloroform	5.83	83	127267	0.789	ppbv	97
30) Cyclohexane	7.23	84	8097	0.122	ppbv #	1
31) cis-1,2-Dichloroethene	5.76	61	24370	0.295	ppbv #	29
34) 2-Butanone	5.32	43	52084	0.442	ppbv	97
35) Carbon Tetrachloride	7.12	117	12077	0.075	ppbv #	80
36) Benzene	6.98	78	73659	0.462	ppbv #	91
39) 1,2-Dichloropropane	7.28	63	546327	8.876	ppbv #	26
44) 2,2,4-Trimethylpentane	7.98	57	110727	0.390	ppbv #	75
52) Tetrachloroethene	11.36	164	749935	13.364	ppbv	96
53) Toluene	9.93	91	498003	2.822	ppbv	100
58) Ethyl Benzene	12.85	91	40214	0.173	ppbv	99
59) m/p-Xylene	13.11	91	132290	0.626	ppbv	97
60) o-Xylene	13.83	91	52774	0.242	ppbv	99
61) Styrene	13.67	104	6595	0.047	ppbv #	52
65) tert-Butylbenzene	16.90	119	11201	0.041	ppbv #	1
72) 4-Ethyltoluene	15.99	105	25321	0.102	ppbv #	43
73) 1,3,5-Trimethylbenzene	16.14	105	15134	0.062	ppbv	89
74) 1,2,4-Trimethylbenzene	16.91	105	200502	0.711	ppbv #	69
76) 1,4-Dichlorobenzene	17.29	146	11680	0.072	ppbv #	1
80) Naphthalene,2-methyl-	25.11	142	5456	0.061	ppbv #	84

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :

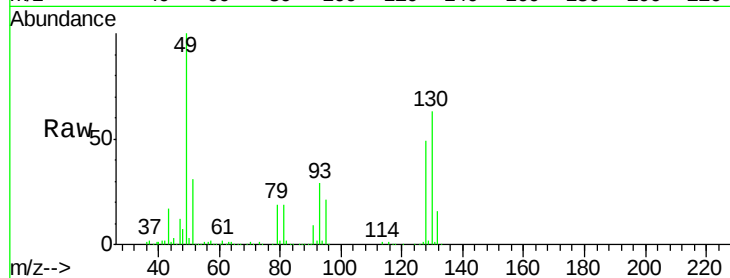
Tot Ion: 49 Resp: 930791

Ion Ratio Lower Upper

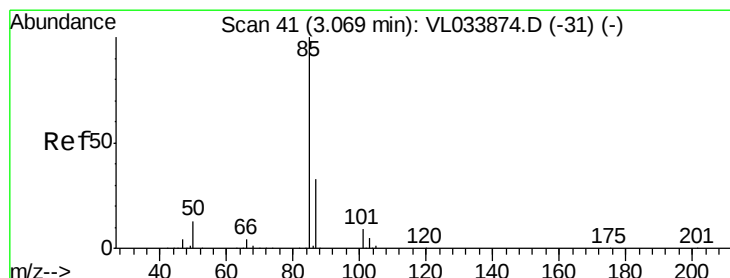
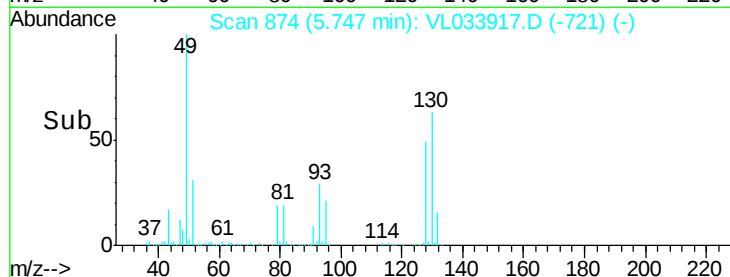
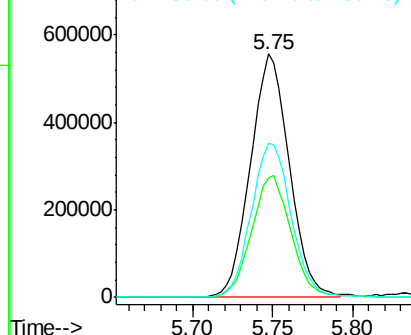
49 100

128 51.0 25.5 76.5

130 65.5 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.385 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.00 min

Lab File: VL033917.D

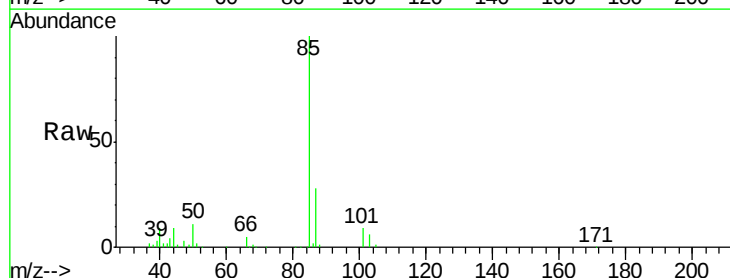
Acq: 14 Jun 2019 4:10

Tgt Ion: 85 Resp: 58092

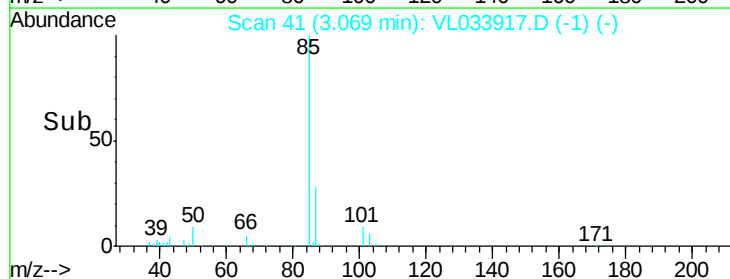
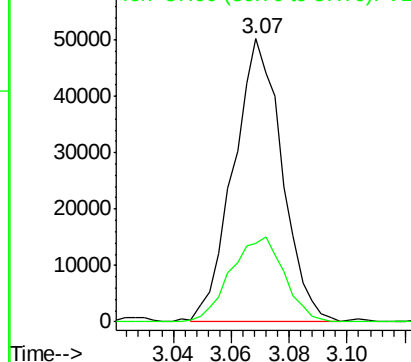
Ion Ratio Lower Upper

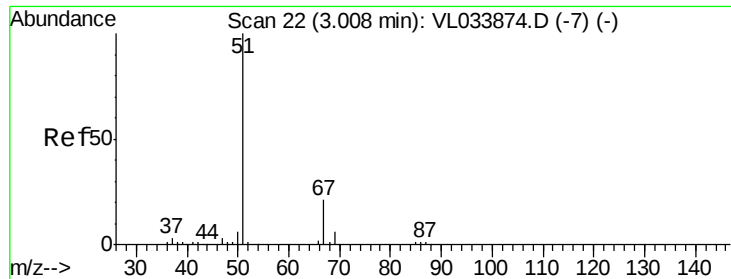
85 100

87 27.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

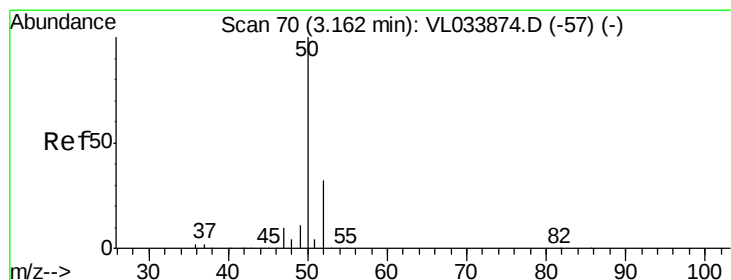
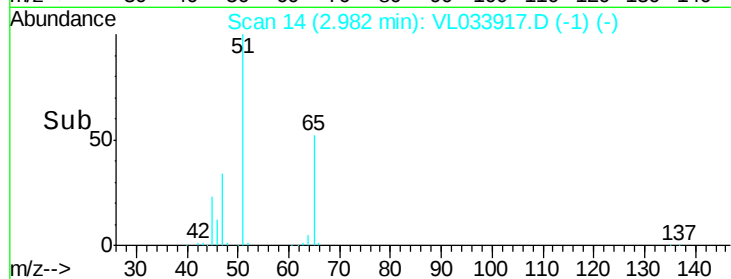
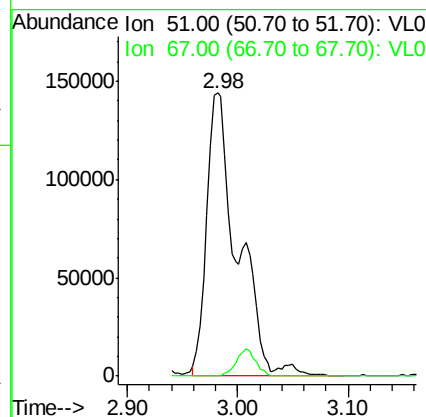
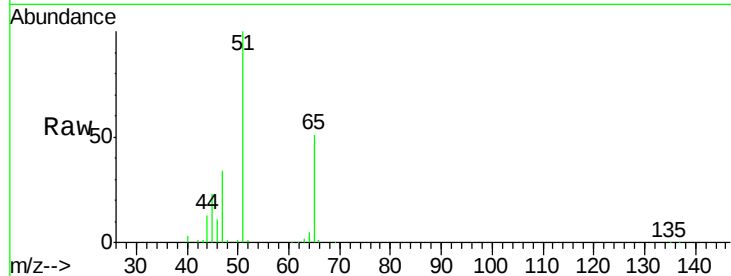




#3
 Chlorodifluoromethane
 Concen: 2.529 ppbv
 RT: 2.98 min Scan# 14
 Delta R.T. -0.03 min
 Lab File: VL033917.D
 Acq: 14 Jun 2019 4:10

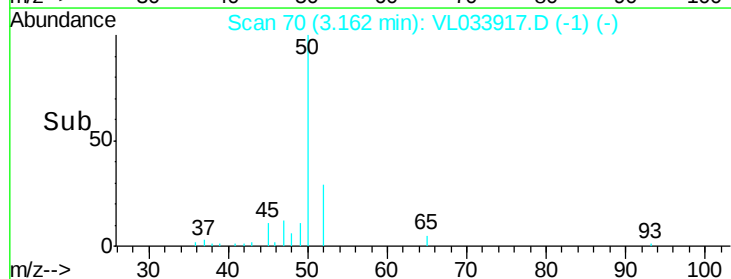
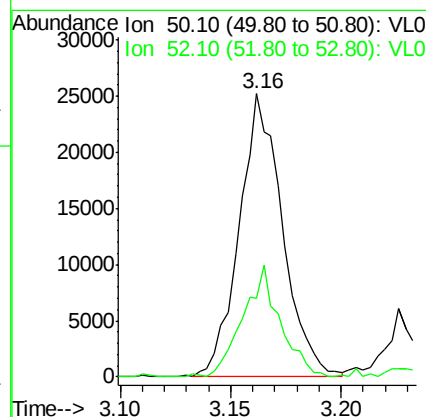
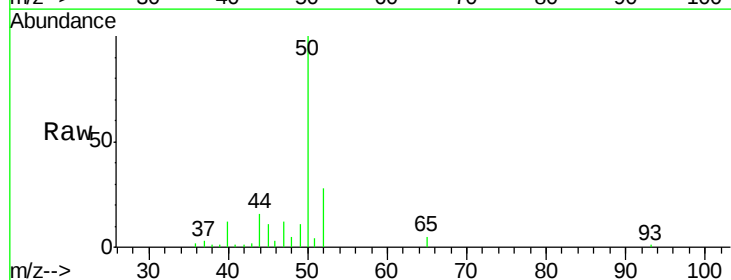
Instrument :
 MSVOA_L
 ClientSampleId :

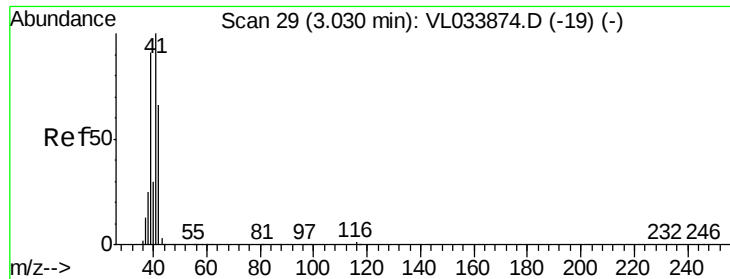
Tot Ion: 51 Resp: 277155
 Ion Ratio Lower Upper
 51 100
 67 6.1 16.4 24.6#



#4
 Chloromethane
 Concen: 0.550 ppbv
 RT: 3.16 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VL033917.D
 Acq: 14 Jun 2019 4:10

Tgt Ion: 50 Resp: 34356
 Ion Ratio Lower Upper
 50 100
 52 27.1 25.4 38.0





#9

Propene

Concen: 5.928 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.20 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

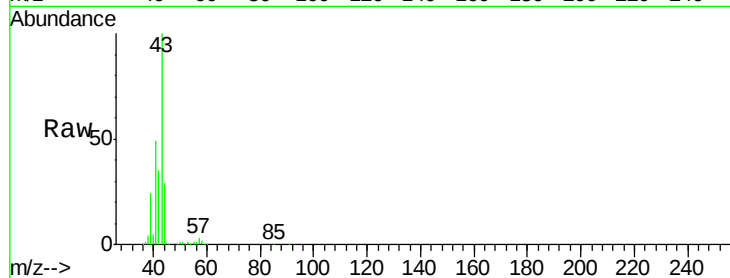
ClientSampleId :

Tot Ion: 41 Resp: 243073

Ion Ratio Lower Upper

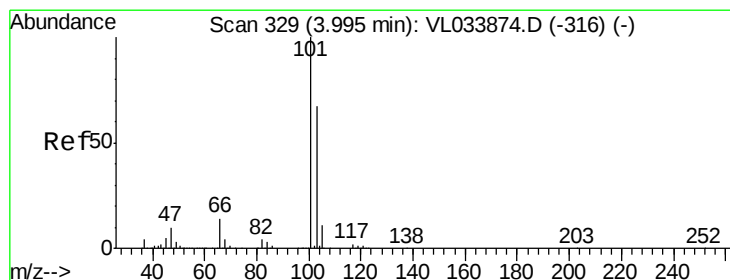
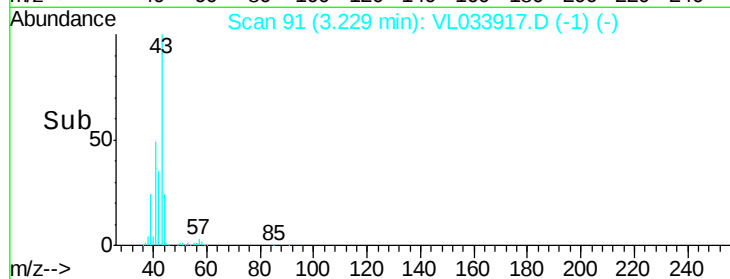
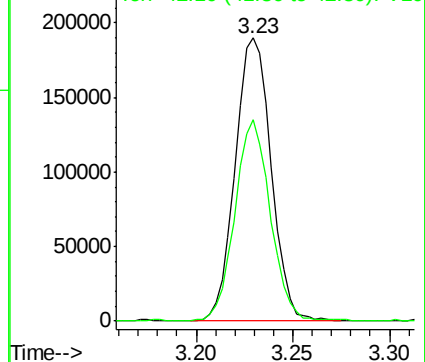
41 100

42 70.8 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.212 ppbv

RT: 4.00 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL033917.D

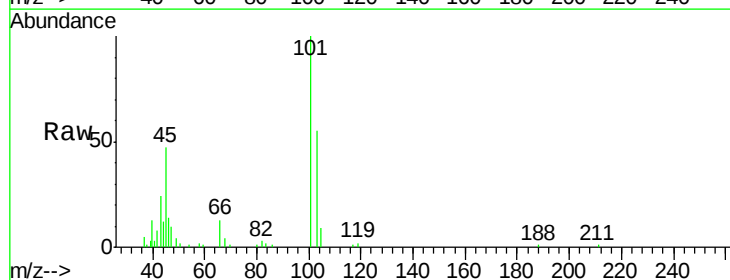
Acq: 14 Jun 2019 4:10

Tgt Ion: 101 Resp: 41404

Ion Ratio Lower Upper

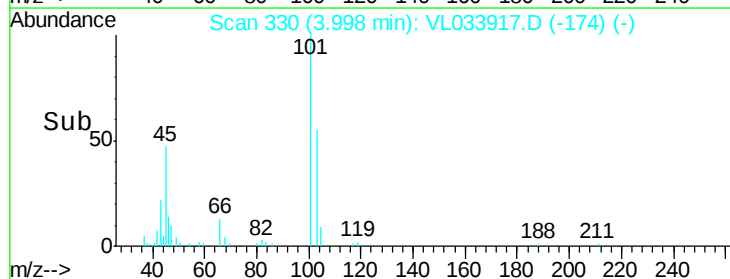
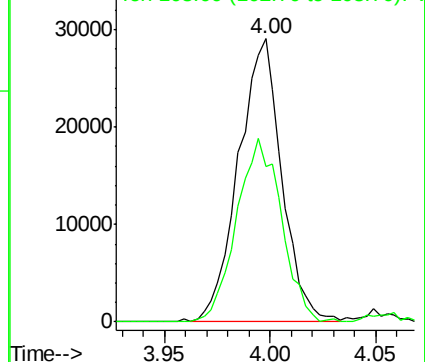
101 100

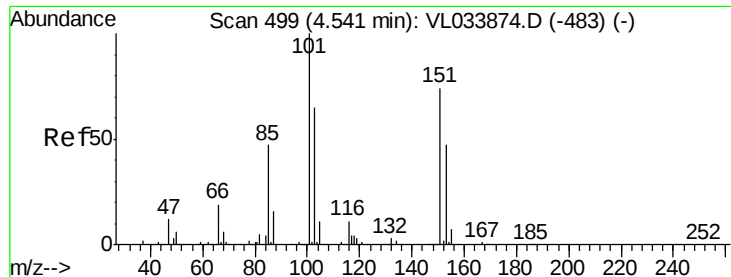
103 55.0 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 4.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

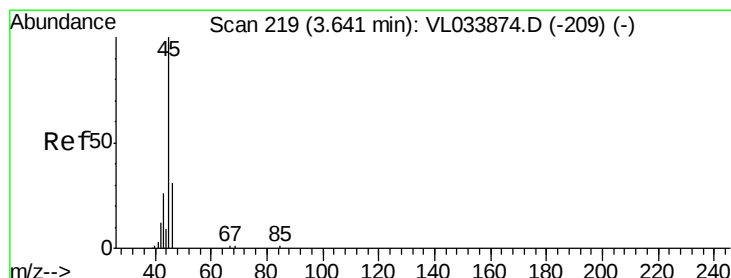
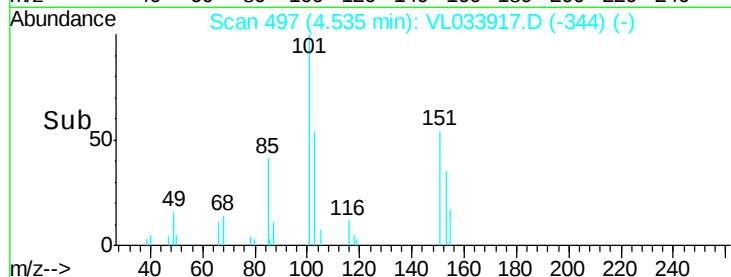
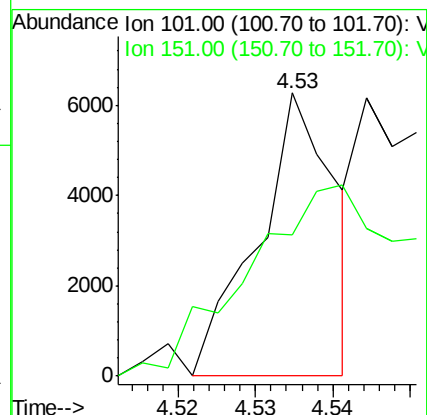
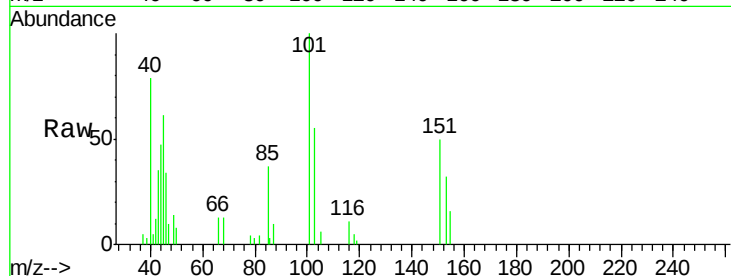
ClientSampled :

Tot Ion:101 Resp: 4346

Ion Ratio Lower Upper

101 100

151 0.0 58.6 87.8#



#13

Ethanol

Concen: 1019.710 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.03 min

Lab File: VL033917.D

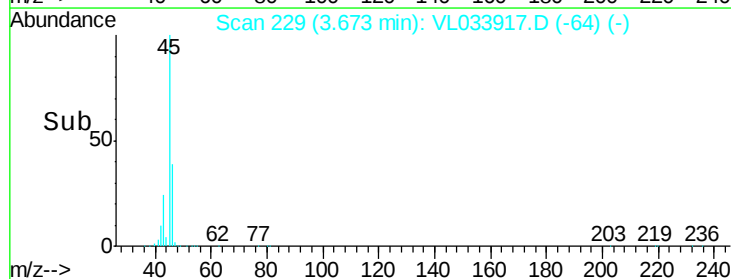
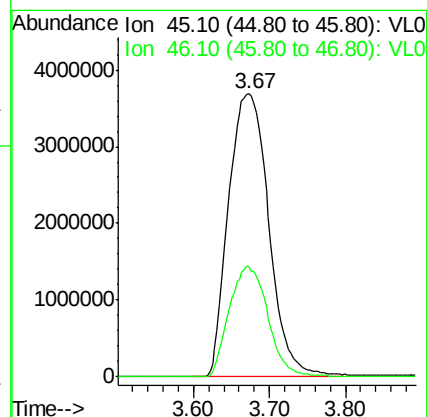
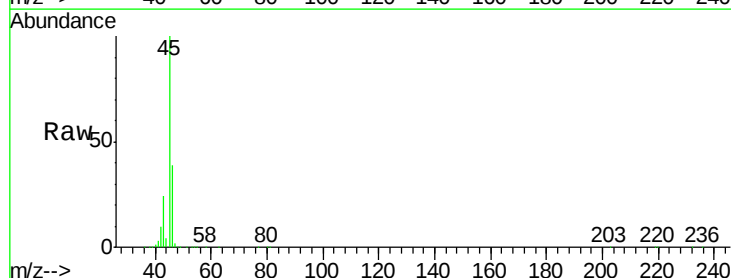
Acq: 14 Jun 2019 4:10

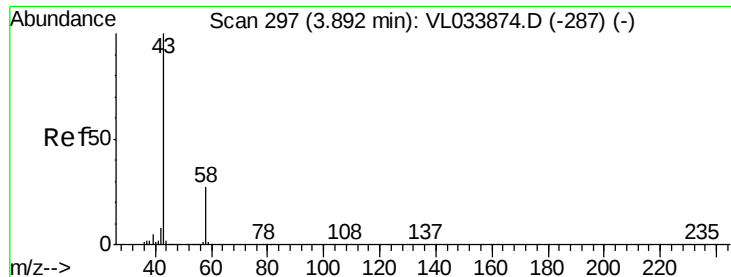
Tgt Ion: 45 Resp:13602906

Ion Ratio Lower Upper

45 100

46 37.8 15.3 61.1





#15

Acetone

Concen: 14.525 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

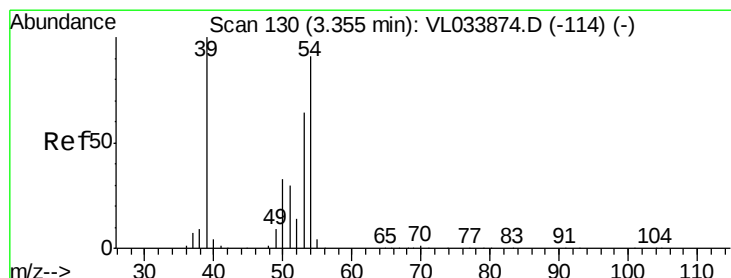
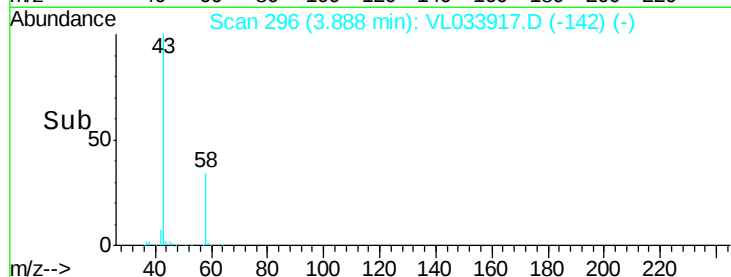
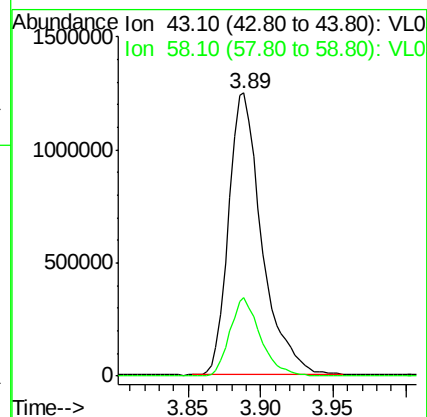
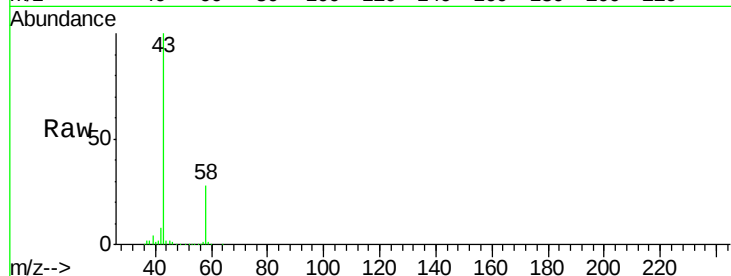
ClientSampleId :

Tot Ion: 43 Resp: 1971743

Ion Ratio Lower Upper

43 100

58 26.0 21.3 31.9



#16

1,3-Butadiene

Concen: 0.357 ppbv

RT: 3.33 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL033917.D

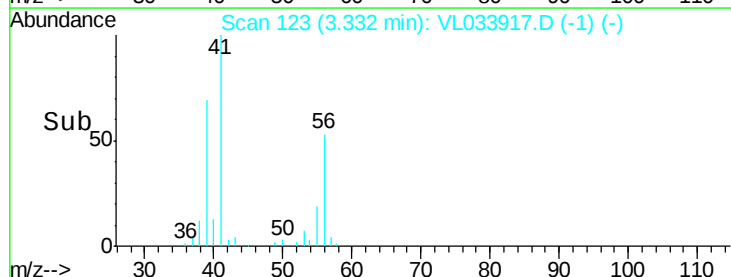
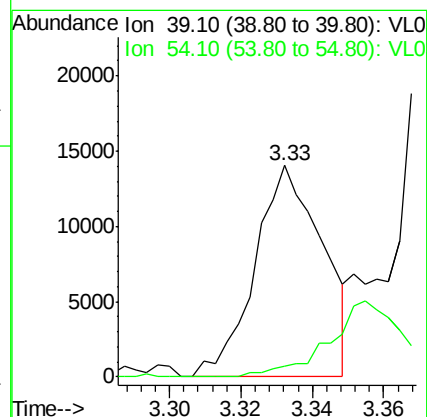
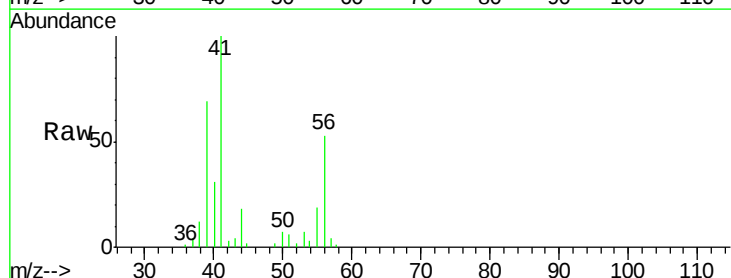
Acq: 14 Jun 2019 4:10

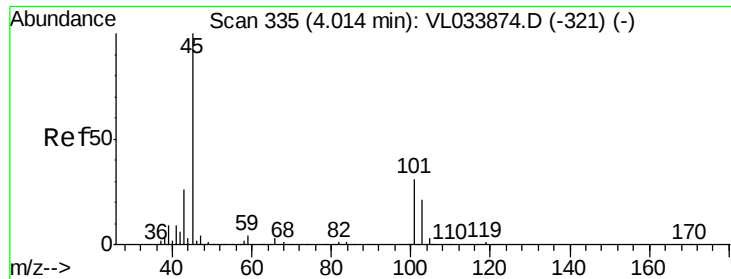
Tgt Ion: 39 Resp: 18437

Ion Ratio Lower Upper

39 100

54 54.6 68.6 103.0#

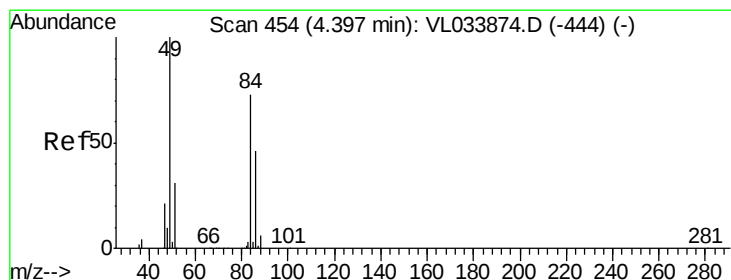
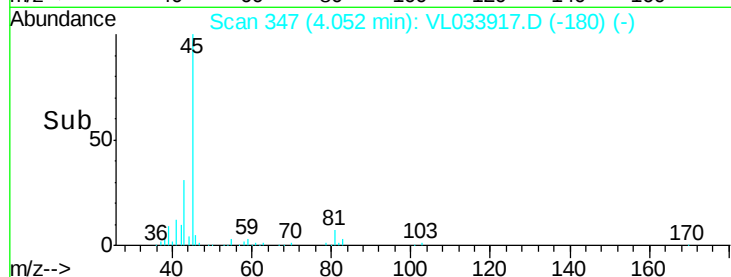
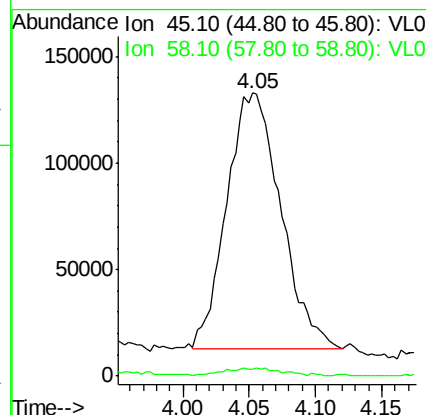
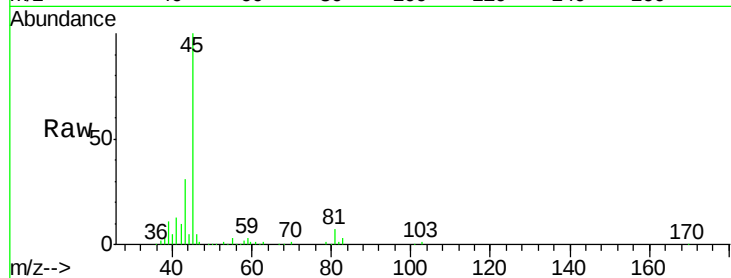




#19
Isopropyl Alcohol
Concen: 4.409 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.04 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

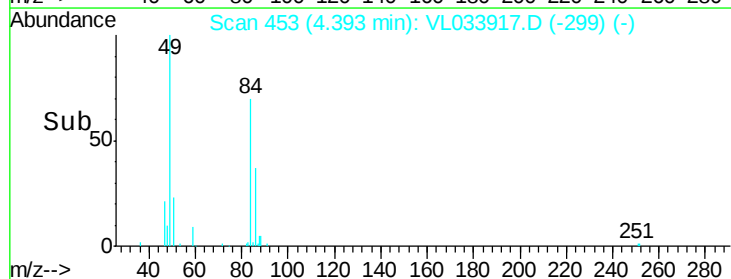
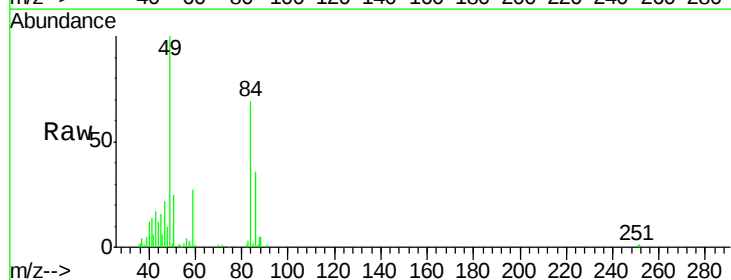
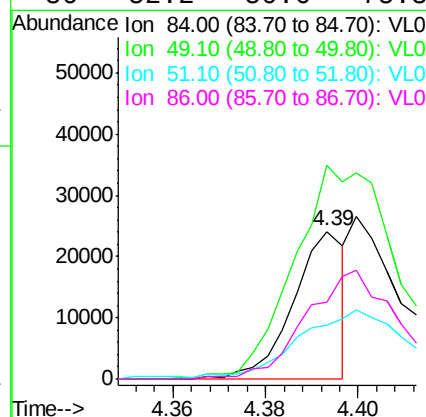
Instrument :
MSVOA_L
ClientSampled :

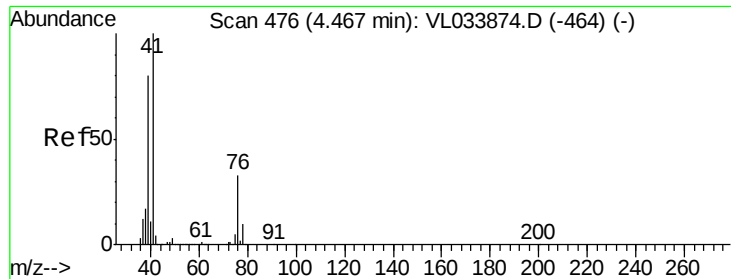
Tot Ion: 45 Resp: 341941
Ion Ratio Lower Upper
45 100
58 149.7 1.8 2.6#



#20
Methylene Chloride
Concen: 0.353 ppbv
RT: 4.39 min Scan# 453
Delta R.T. -0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Tgt Ion: 84 Resp: 18668
Ion Ratio Lower Upper
84 100
49 143.8 110.0 165.0
51 35.3 34.6 51.8
86 52.2 50.6 75.8





#21

Allvl Chloride

Concen: 0.129 ppbv

RT: 4.42 min Scan# 462

Delta R.T. -0.05 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

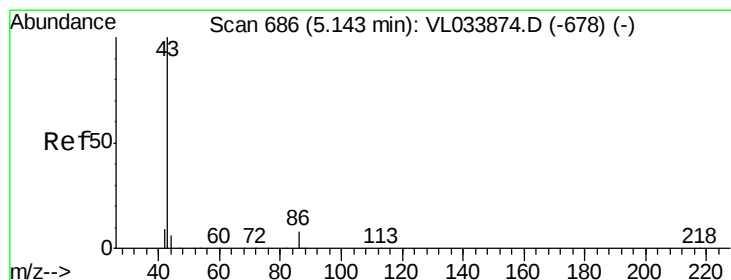
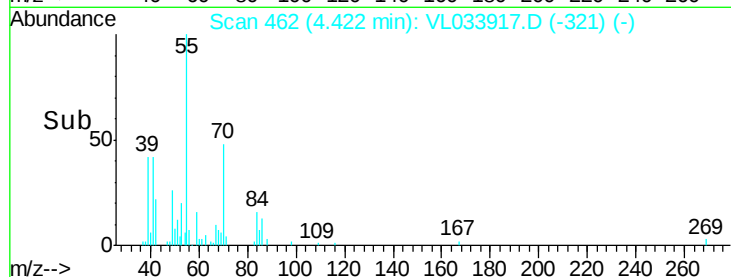
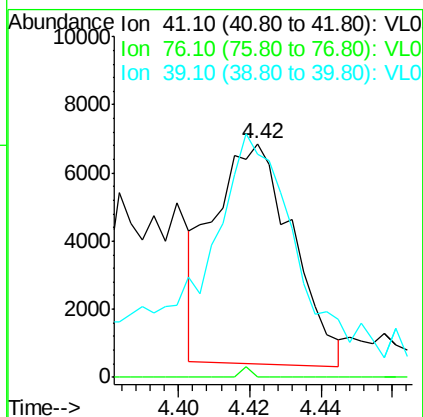
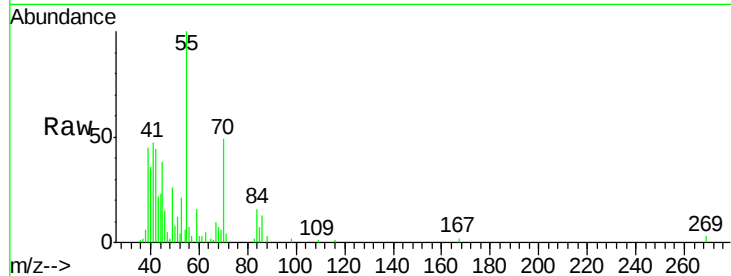
Tot Ion: 41 Resp: 9948

Ion Ratio Lower Upper

41 100

76 0.0 26.6 39.8#

39 145.0 65.2 97.8#



#23

Vinyl Acetate

Concen: 0.057 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Tgt Ion: 43 Resp: 9002

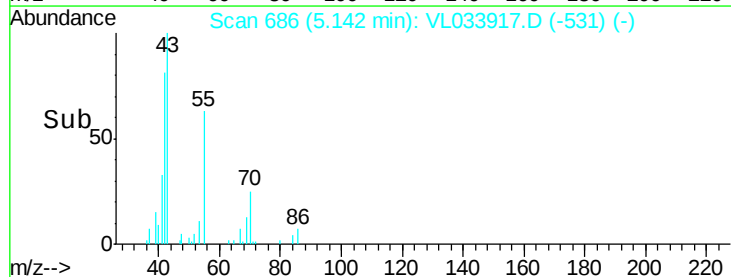
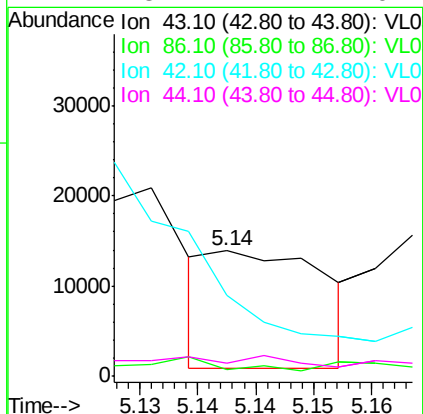
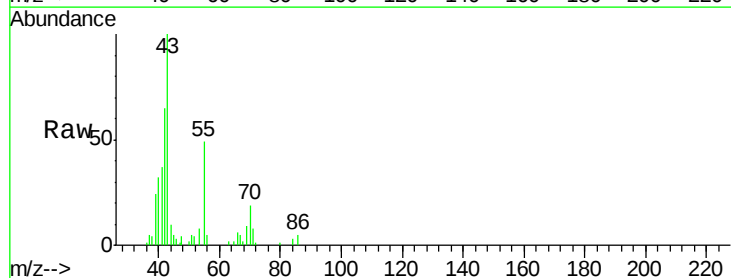
Ion Ratio Lower Upper

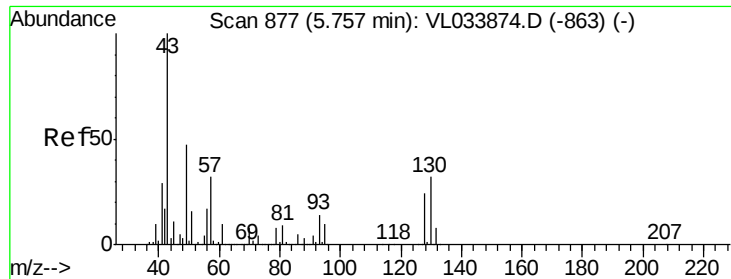
43 100

86 0.0 5.8 8.8#

42 175.4 7.8 11.8#

44 18.4 4.2 6.4#

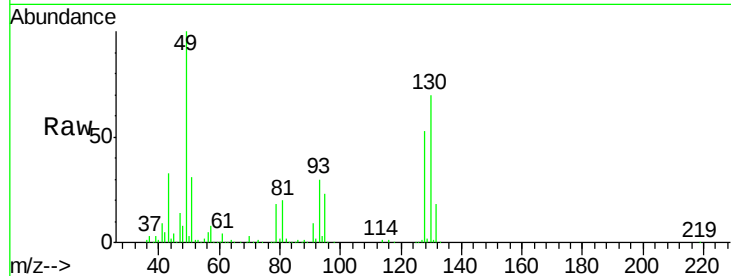




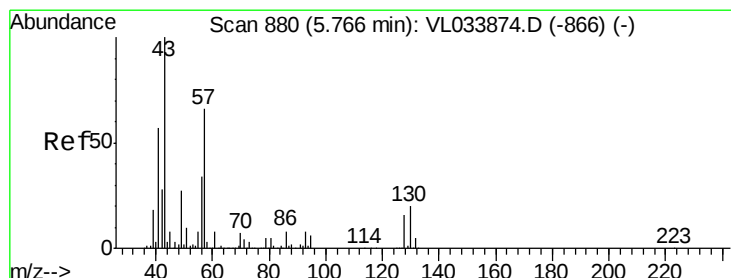
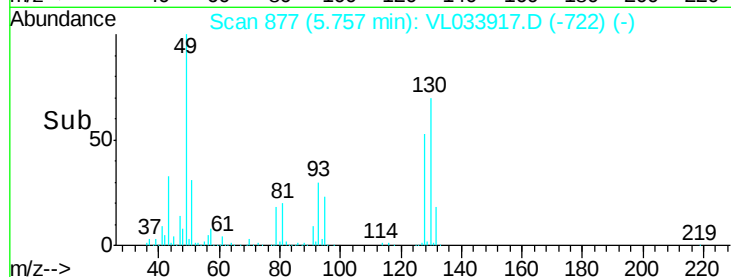
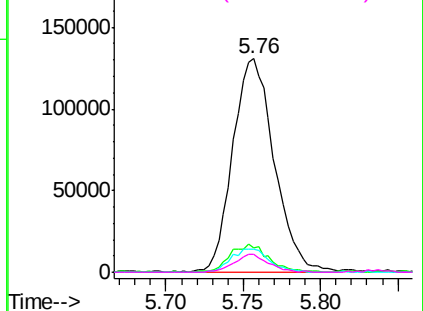
#25
Ethyl Acetate
Concen: 1.183 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	244486
Ion	Ratio	Lower	Upper
43	100		
45	13.1	7.9	11.9#
61	10.0	7.8	11.6
70	7.1	5.8	8.6

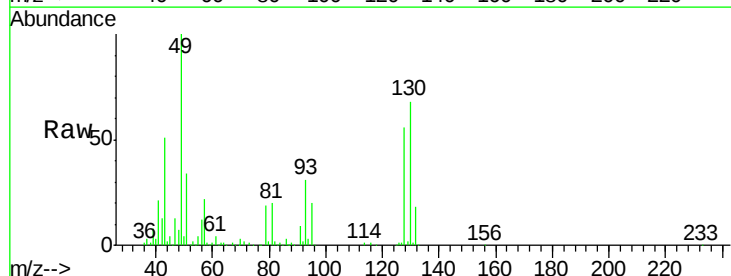


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

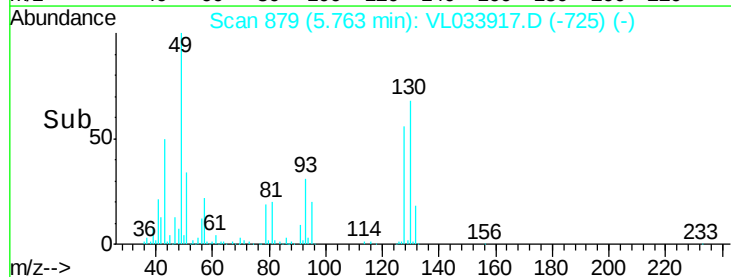
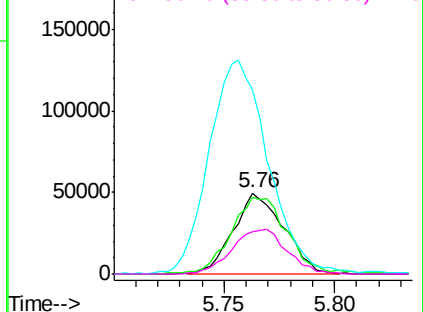


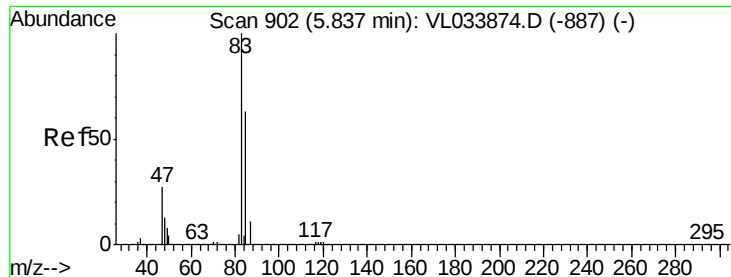
#26
Hexane
Concen: 0.833 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Tgt Ion:	57	Resp:	78424
Ion	Ratio	Lower	Upper
57	100		
41	107.5	71.4	107.2#
43	314.7	183.7	275.5#
56	60.3	42.7	64.1



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#29

Chloroform

Concen: 0.789 ppbv

RT: 5.83 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

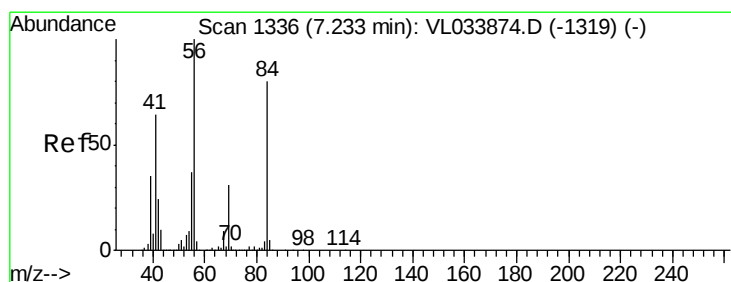
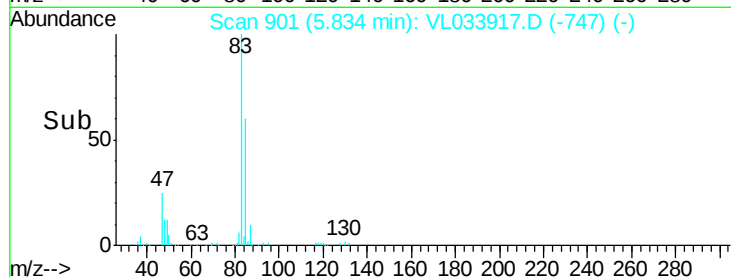
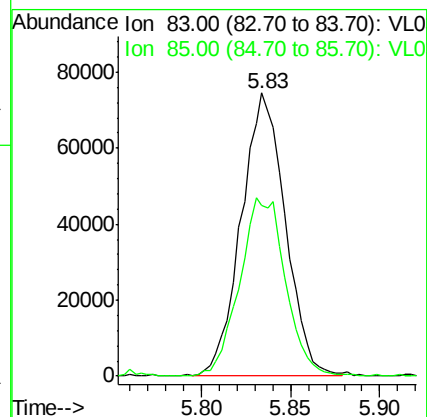
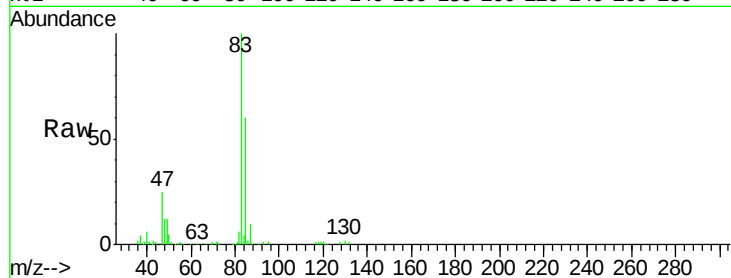
ClientSampleId :

Tot Ion: 83 Resp: 127267

Ion Ratio Lower Upper

83 100

85 60.5 50.5 75.7



#30

Cyclohexane

Concen: 0.122 ppbv

RT: 7.23 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

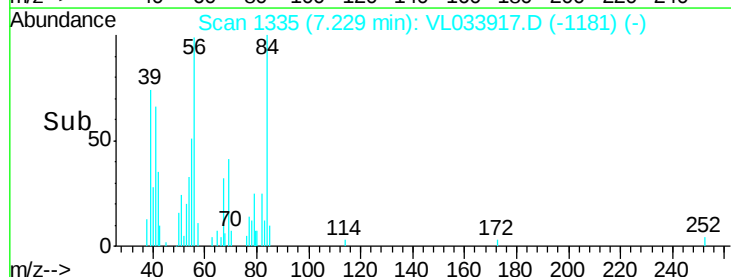
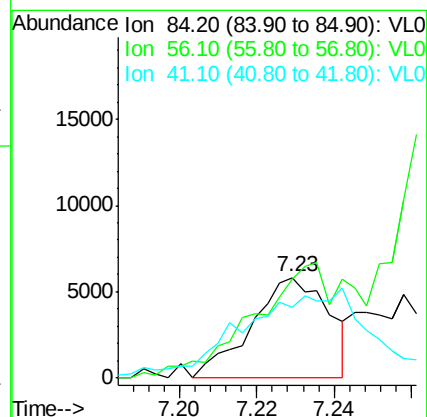
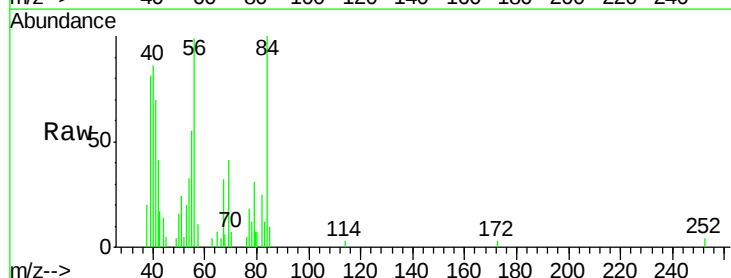
Tgt Ion: 84 Resp: 8097

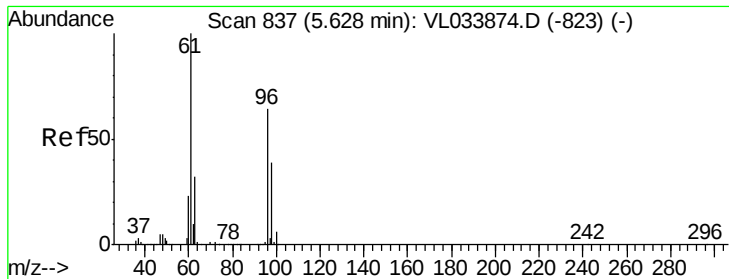
Ion Ratio Lower Upper

84 100

56 0.0 105.8 158.8#

41 0.0 65.7 98.5#



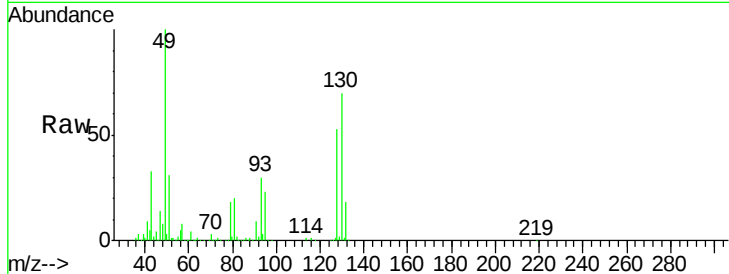


#31

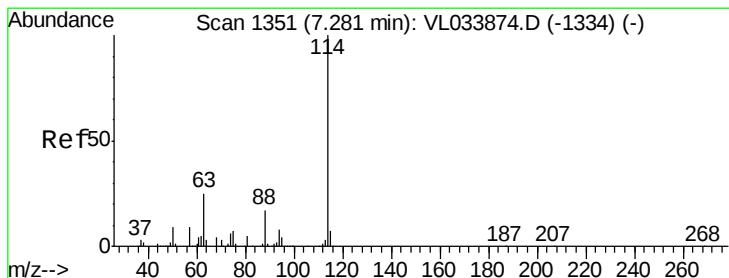
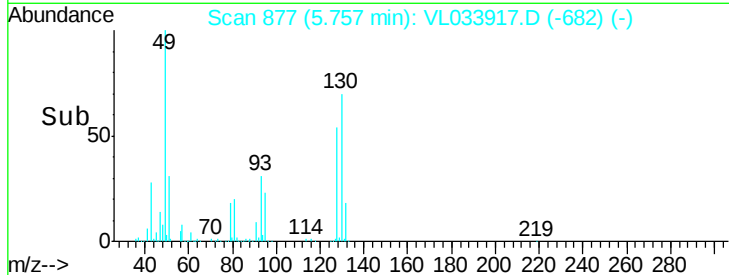
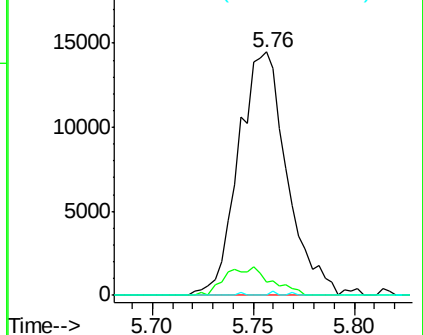
cis-1,2-Dichloroethene
Concen: 0.295 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.13 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	5.3	50.9	76.3#
98	0.0	31.4	47.2#



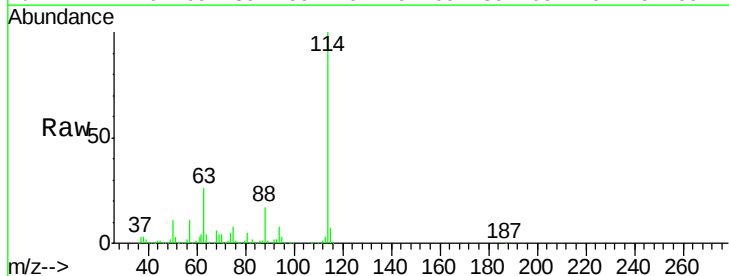
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



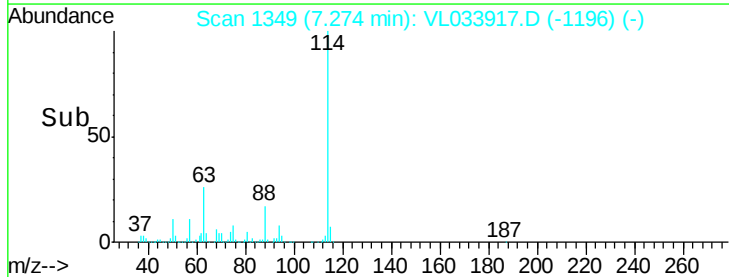
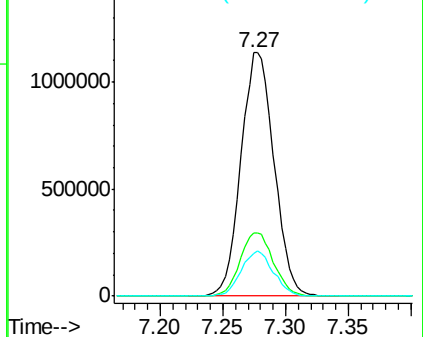
#33

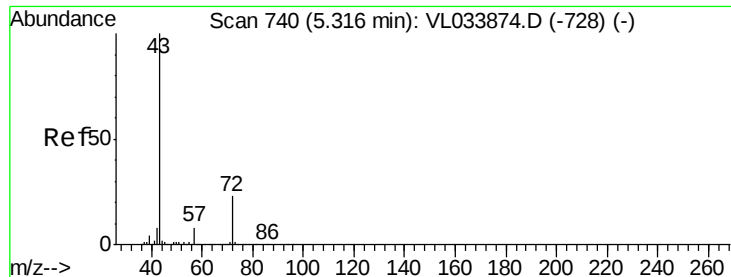
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.1	31.7
88	17.9	14.2	21.4



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

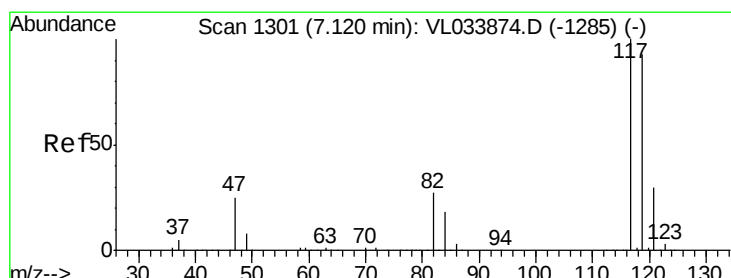
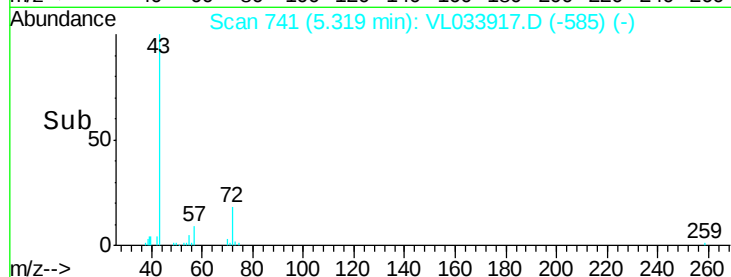
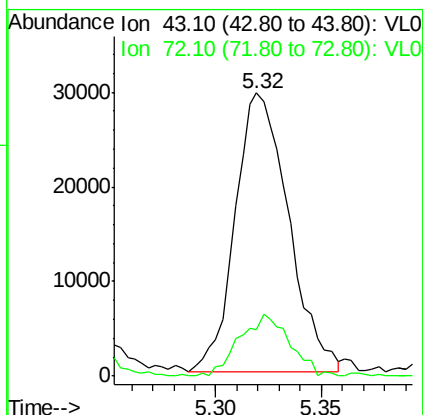
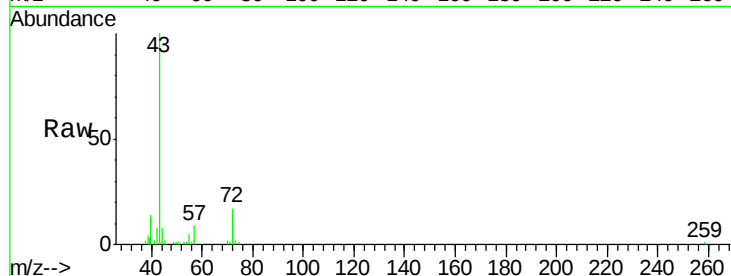




#34
2-Butanone
Concen: 0.442 ppbv
RT: 5.32 min Scan# 741
Delta R.T. 0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

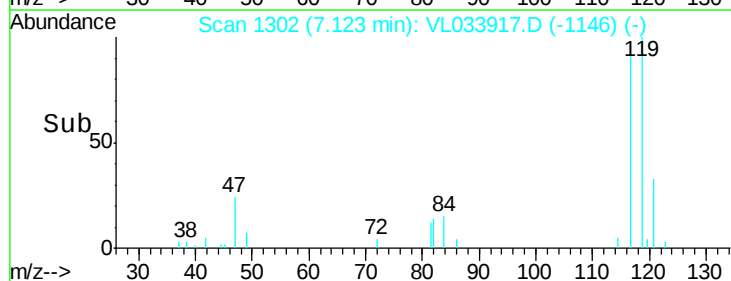
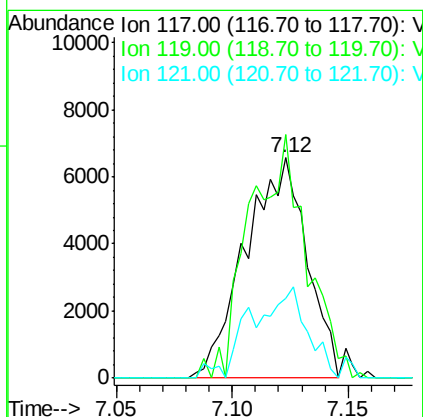
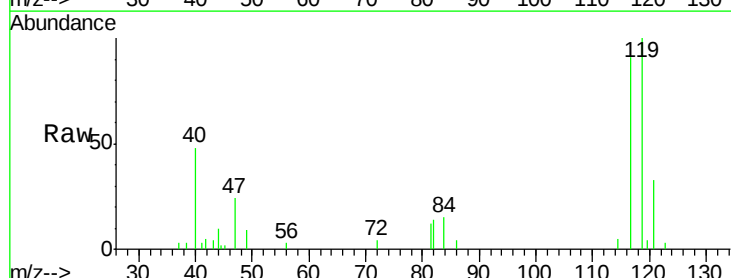
Instrument :
MSVOA_L
ClientSampleId :

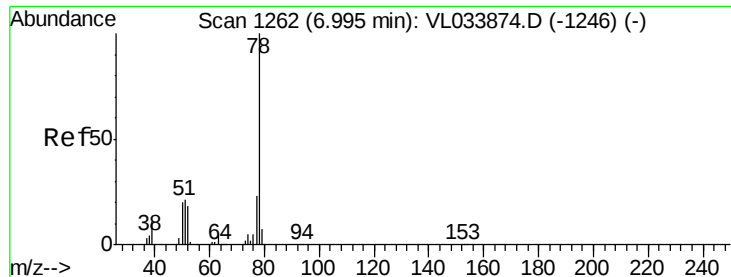
Tot Ion: 43 Resp: 52084
Ion Ratio Lower Upper
43 100
72 21.2 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.075 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Tgt Ion: 117 Resp: 12077
Ion Ratio Lower Upper
117 100
119 114.5 74.6 111.8#
121 36.1 24.0 36.0#





#36

Benzene

Concen: 0.462 ppbv

RT: 6.98 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampled :

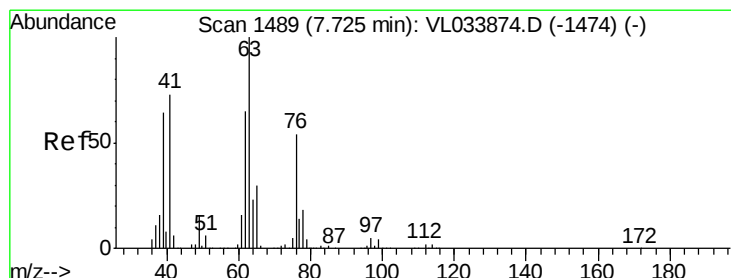
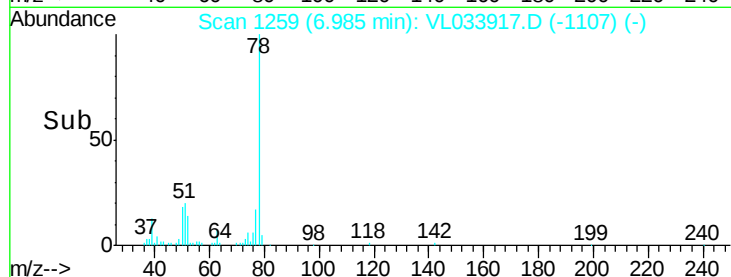
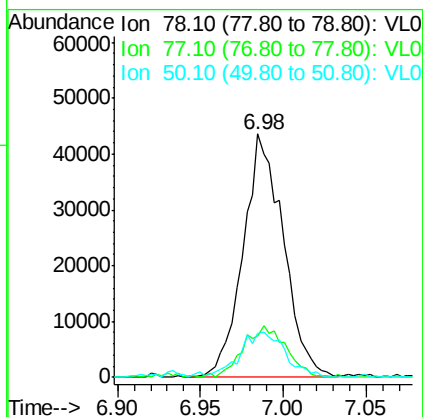
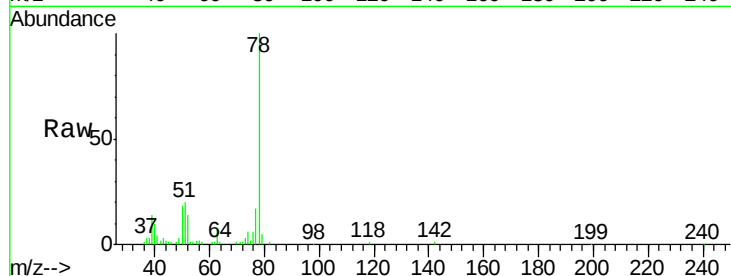
Tot Ion: 78 Resp: 73659

Ion Ratio Lower Upper

78 100

77 16.2 18.2 27.2#

50 18.0 15.9 23.9



#39

1,2-Dichloropropane

Concen: 8.876 ppbv

RT: 7.28 min Scan# 1350

Delta R.T. -0.45 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

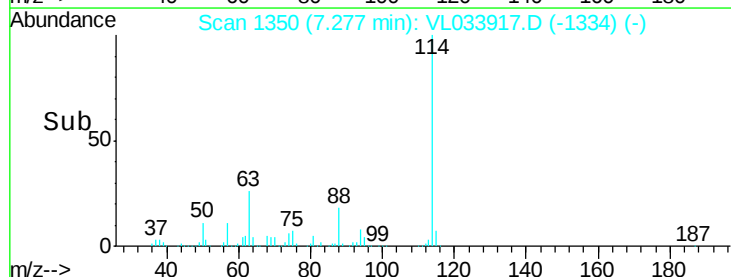
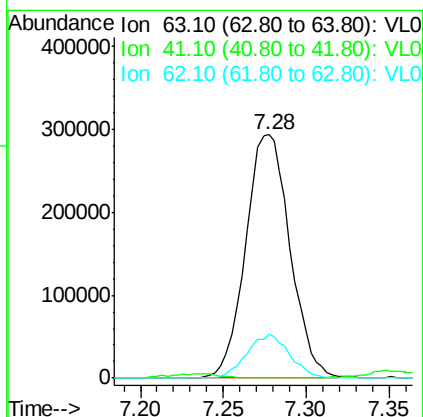
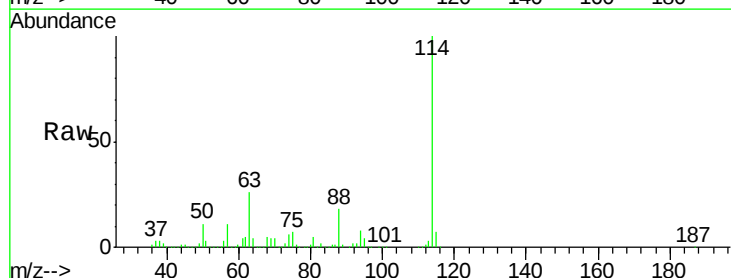
Tgt Ion: 63 Resp: 546327

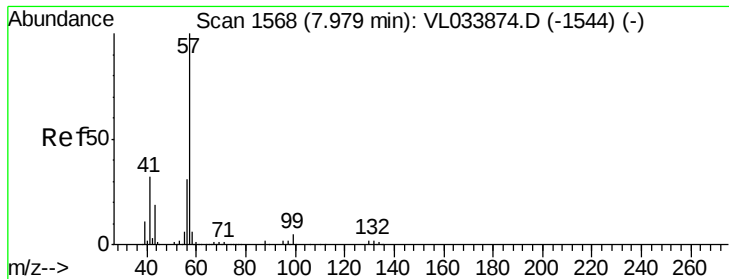
Ion Ratio Lower Upper

63 100

41 0.0 58.7 88.1#

62 18.2 51.9 77.9#





#44

2,2,4-Trimethylpentane

Concen: 0.390 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

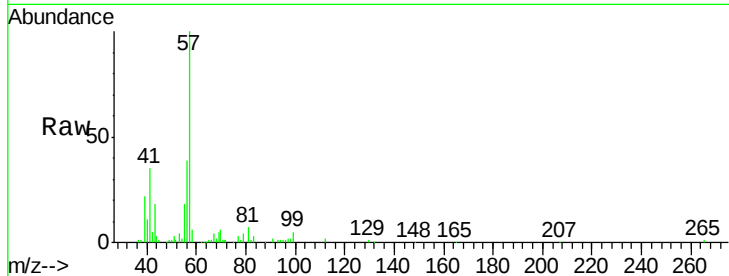
Tot Ion: 57 Resp: 110727

Ion Ratio Lower Upper

57 100

41 49.7 26.1 39.1#

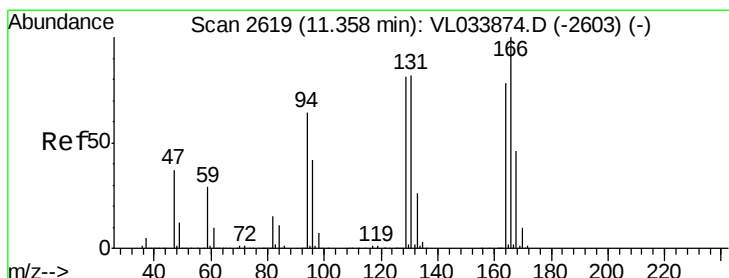
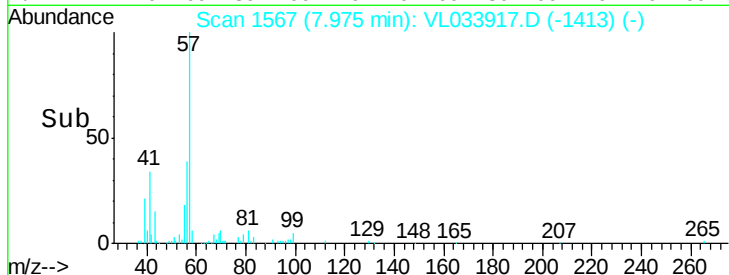
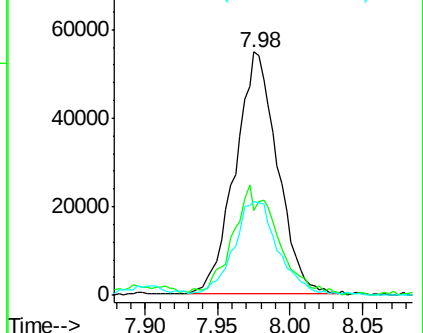
56 41.6 24.6 36.8#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 13.364 ppbv

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Tgt Ion:164 Resp: 749935

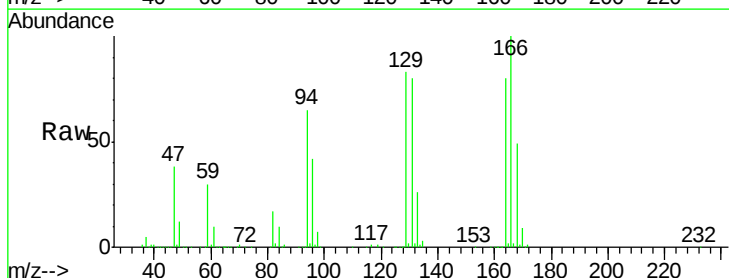
Ion Ratio Lower Upper

164 100

166 124.7 103.1 154.7

129 102.9 83.9 125.9

131 100.2 85.1 127.7

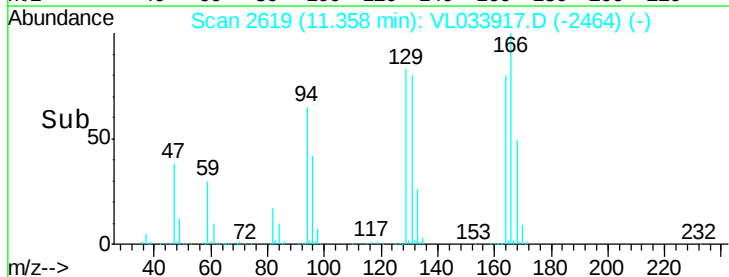
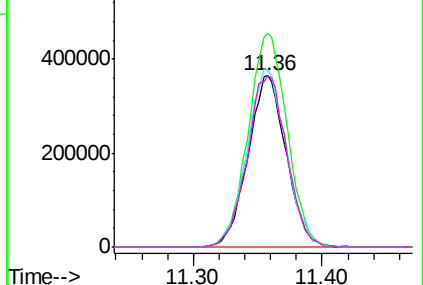


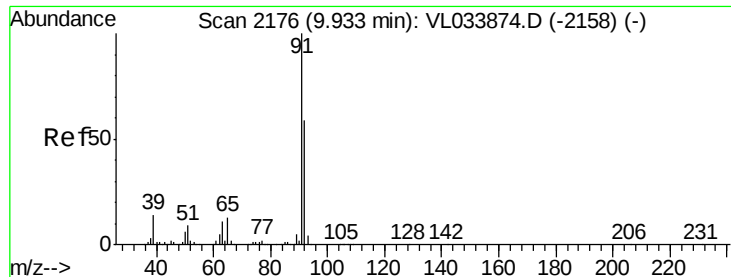
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.822 ppbv

RT: 9.93 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

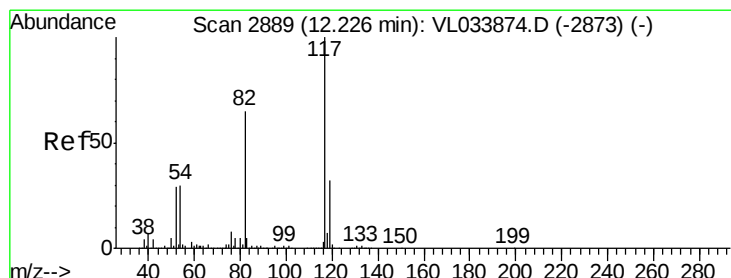
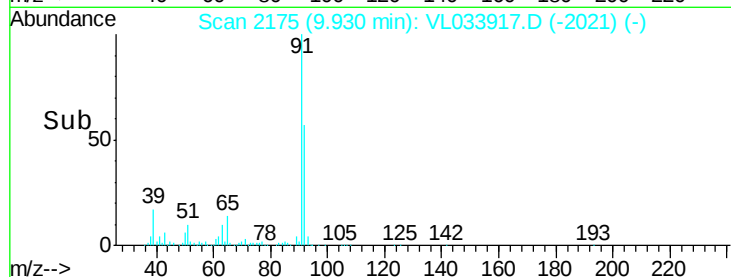
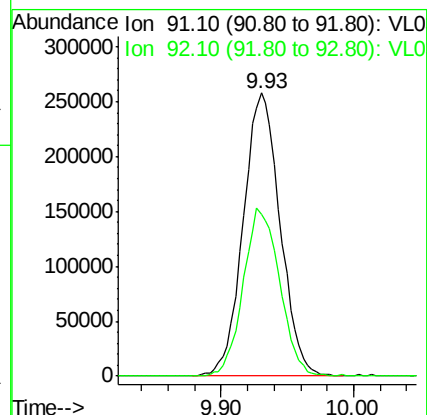
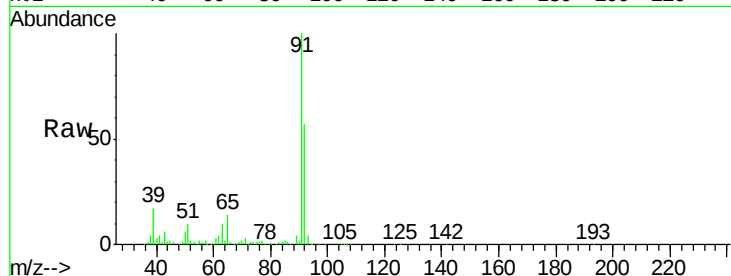
ClientSampleId :

Tot Ion: 91 Resp: 498003

Ion Ratio Lower Upper

91 100

92 58.8 47.0 70.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

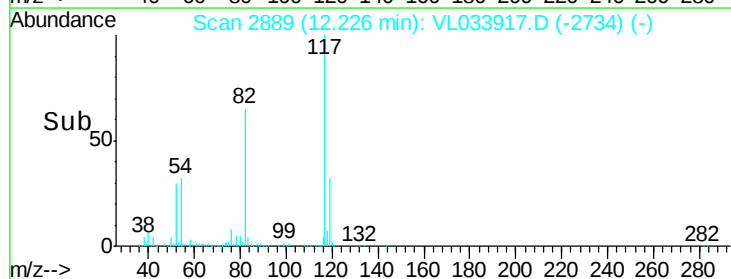
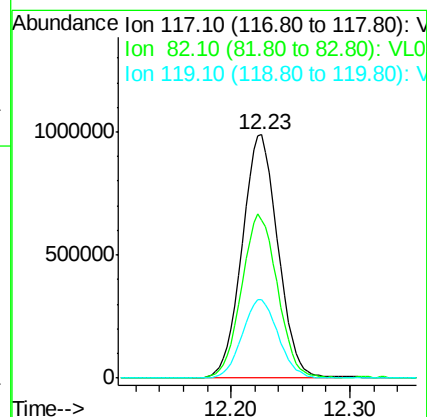
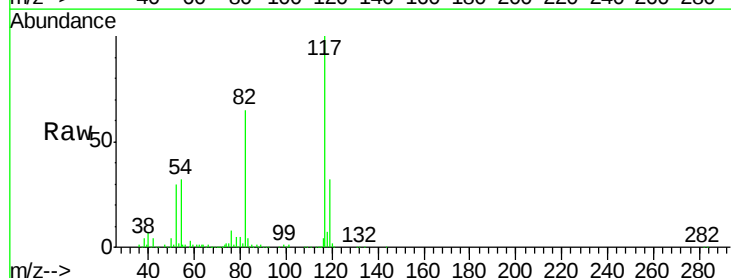
Tgt Ion: 117 Resp: 2060971

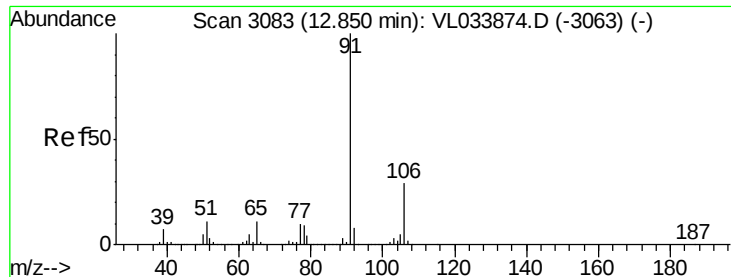
Ion Ratio Lower Upper

117 100

82 68.2 50.2 75.2

119 32.9 24.8 37.2





#58

Ethyl Benzene

Concen: 0.173 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

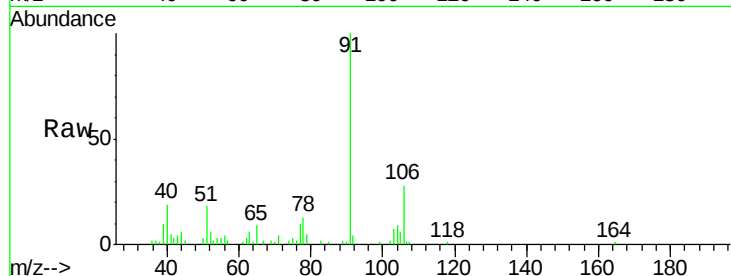
ClientSampleId :

Tot Ion: 91 Resp: 40214

Ion Ratio Lower Upper

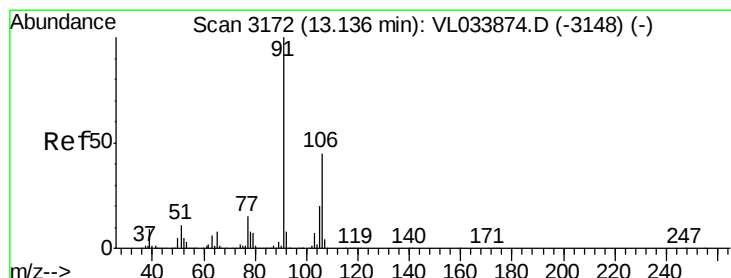
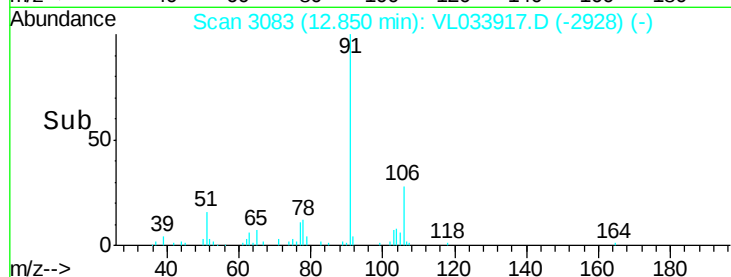
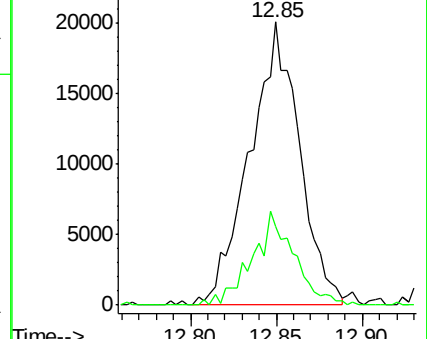
91 100

106 28.2 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.626 ppbv

RT: 13.11 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL033917.D

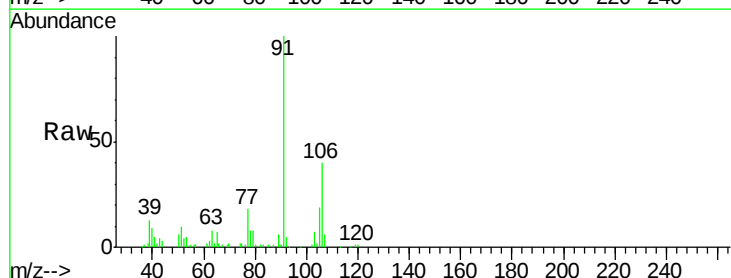
Acq: 14 Jun 2019 4:10

Tgt Ion: 91 Resp: 132290

Ion Ratio Lower Upper

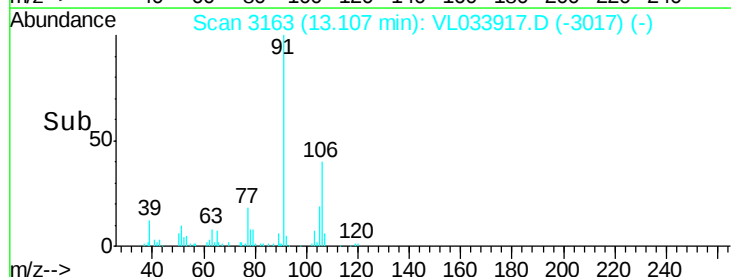
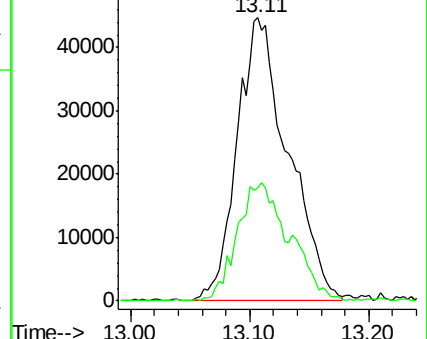
91 100

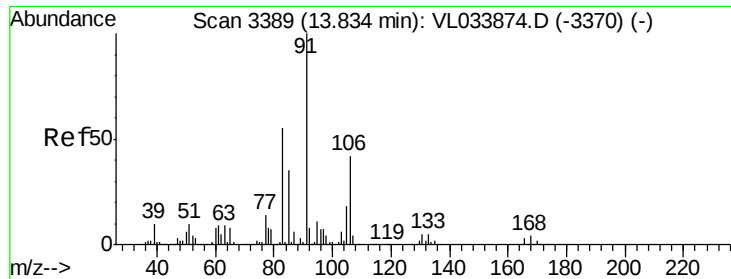
106 43.0 35.8 53.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

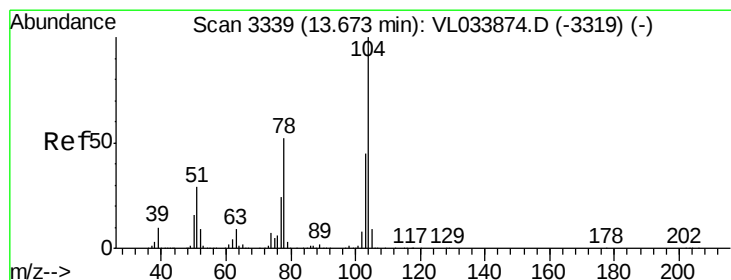
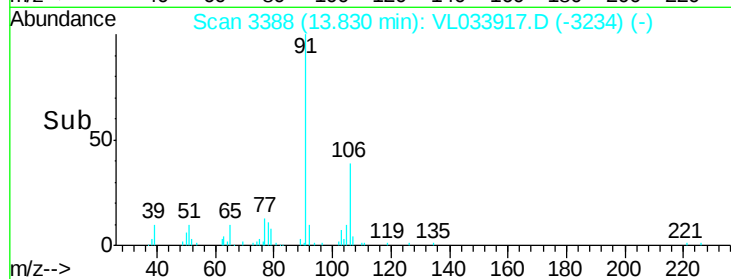
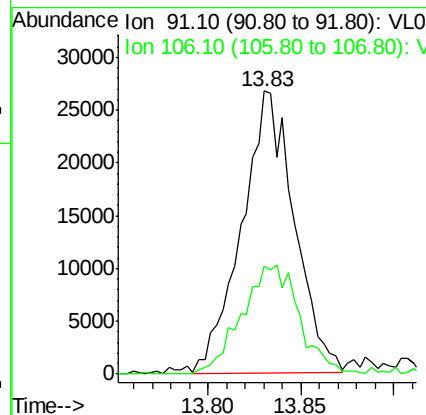
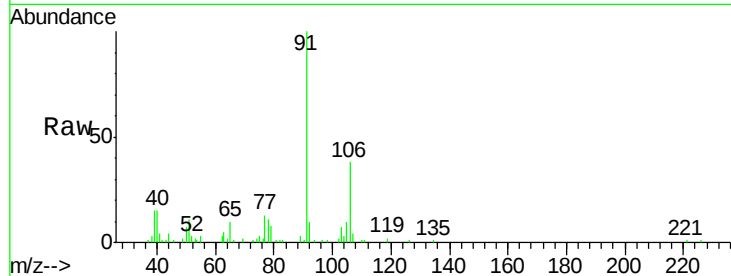




#60
o-Xylene
Concen: 0.242 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

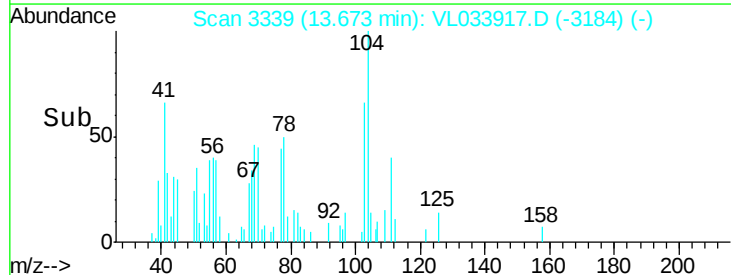
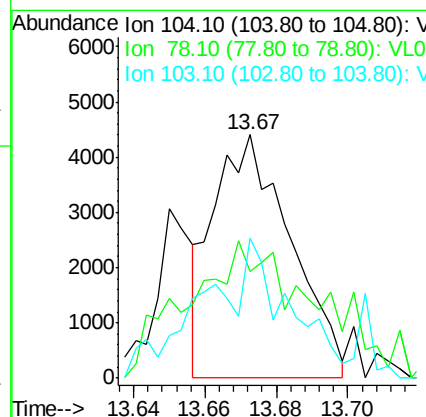
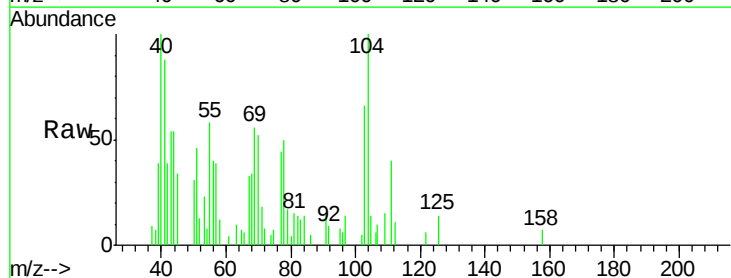
Instrument :
MSVOA_L
ClientSampleId :

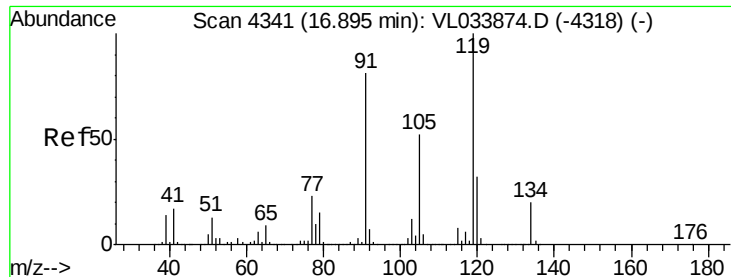
Tot Ion: 91 Resp: 52774
Ion Ratio Lower Upper
91 100
106 42.5 21.7 65.1



#61
Styrene
Concen: 0.047 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033917.D
Acq: 14 Jun 2019 4:10

Tgt Ion: 104 Resp: 6595
Ion Ratio Lower Upper
104 100
78 97.0 43.4 65.0#
103 70.1 37.6 56.4#





#65

tert-Butylbenzene

Concen: 0.041 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

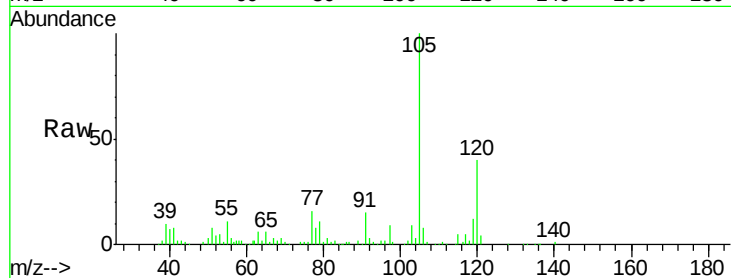
Tot Ion:119 Resp: 11201

Ion Ratio Lower Upper

119 100

91 244.9 66.6 100.0#

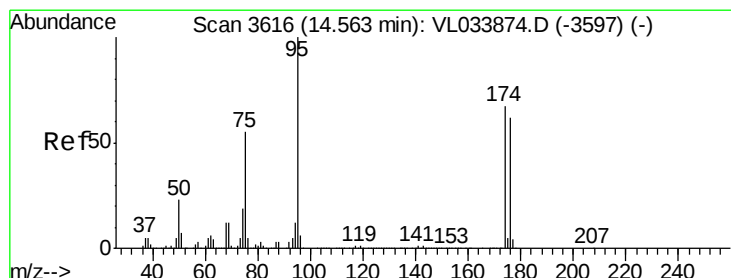
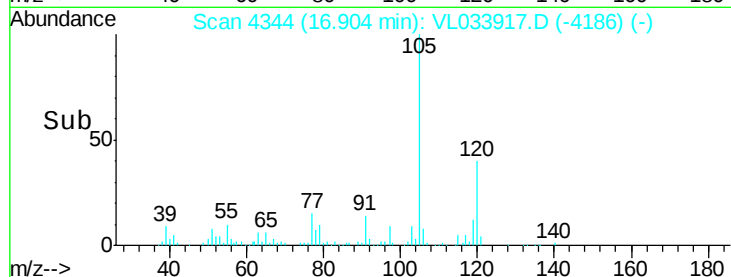
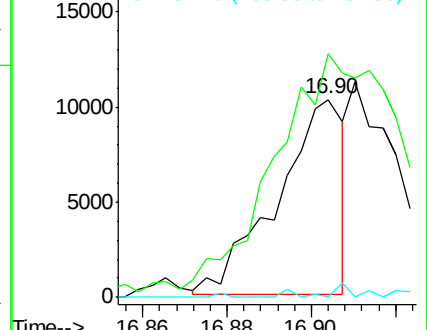
134 0.0 15.5 23.3#



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.355 ppbv

RT: 14.56 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

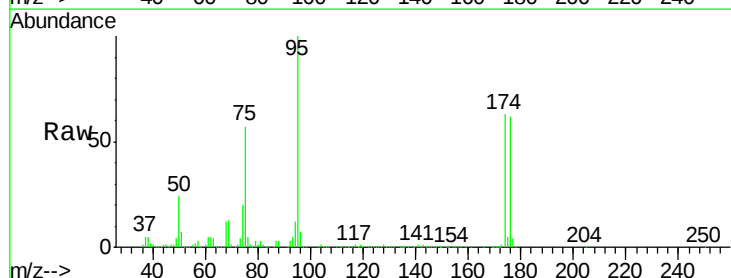
Tgt Ion: 95 Resp: 1752937

Ion Ratio Lower Upper

95 100

174 66.7 54.0 81.0

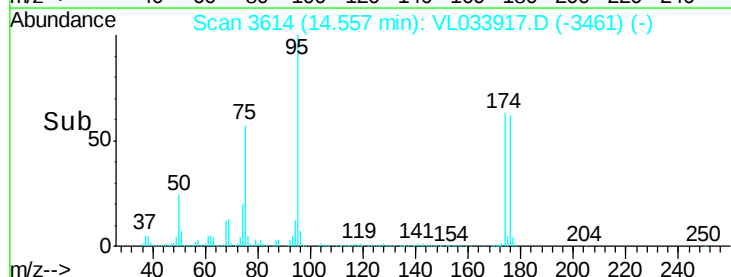
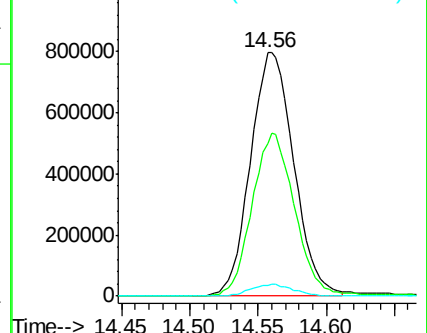
175 4.8 3.8 5.8

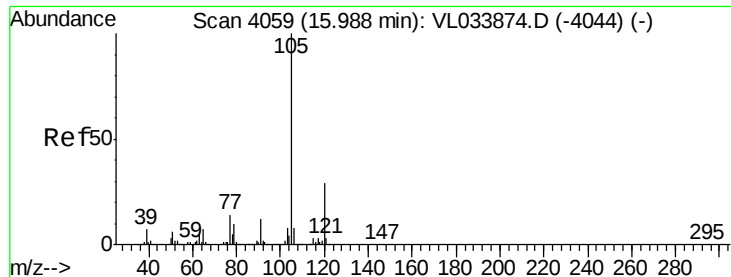


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.102 ppbv

RT: 15.99 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL033917.D

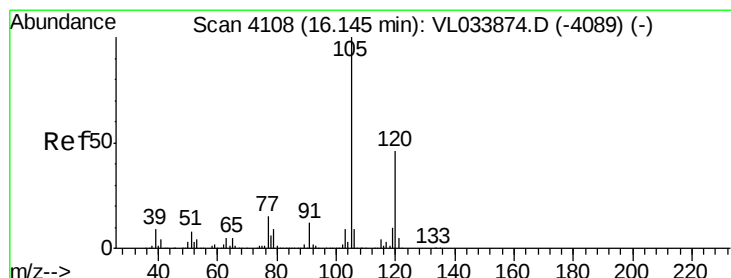
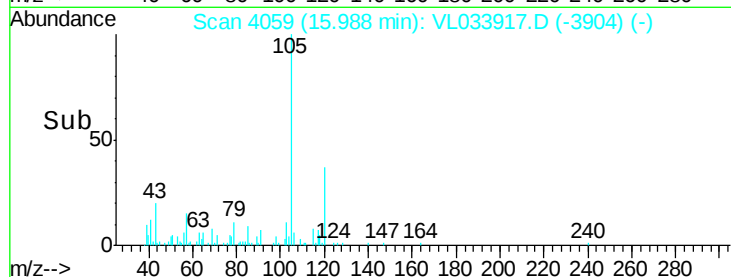
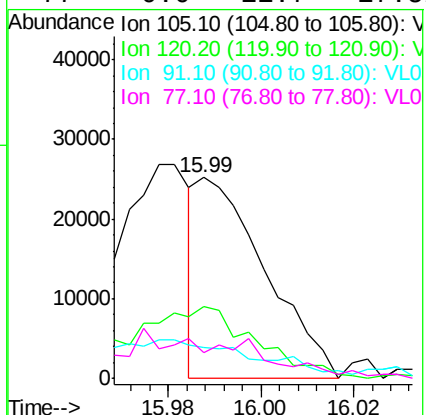
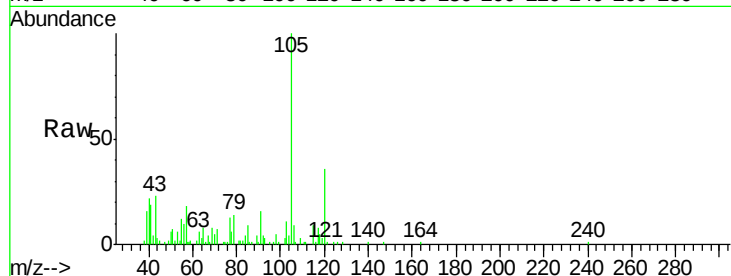
Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	25321
Ion Ratio	Lower	Upper
105	100	
120	71.8	23.5 35.3#
91	0.0	10.4 15.6#
77	0.0	11.7 17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.062 ppbv

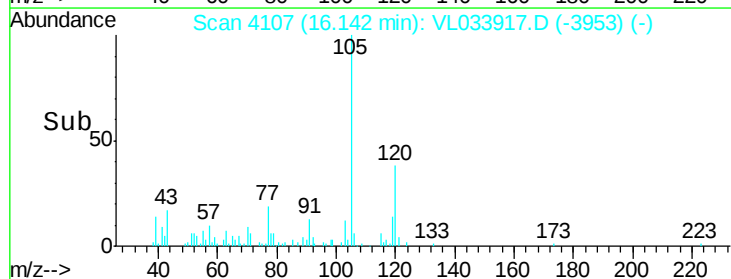
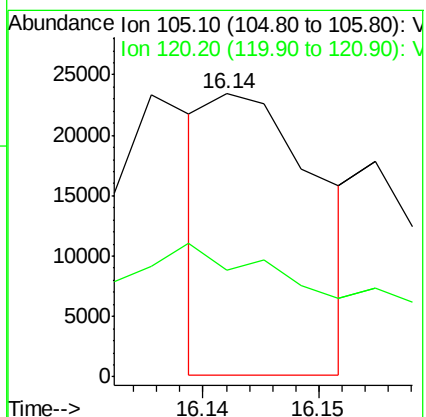
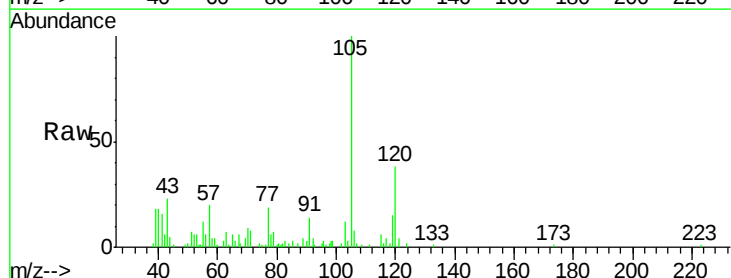
RT: 16.14 min Scan# 4107

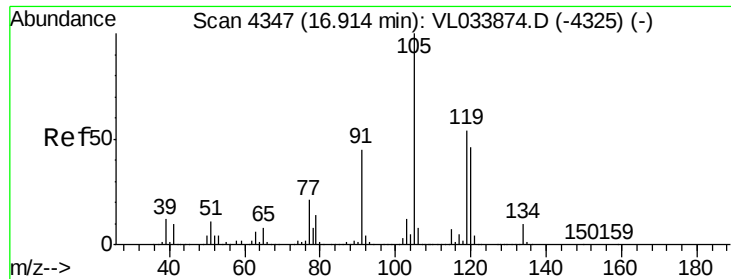
Delta R.T. -0.00 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Tgt Ion:105	Resp:	15134
Ion Ratio	Lower	Upper
105	100	
120	39.0	37.1 55.7

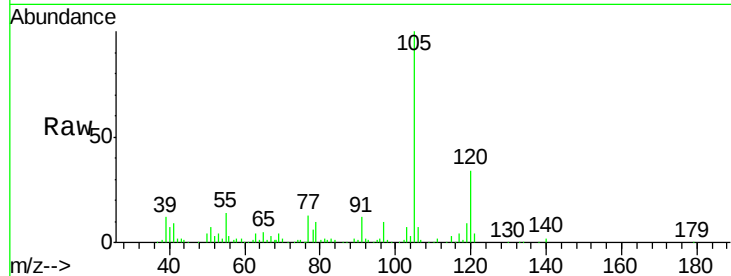




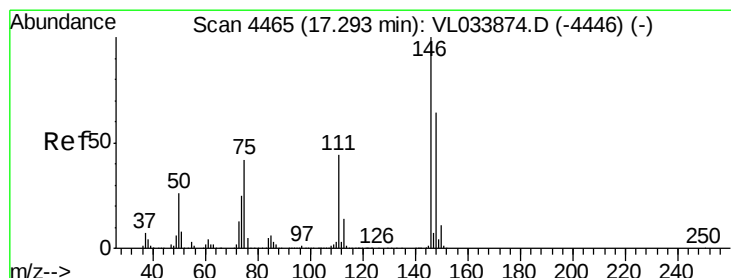
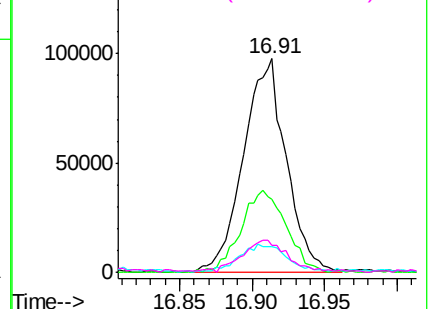
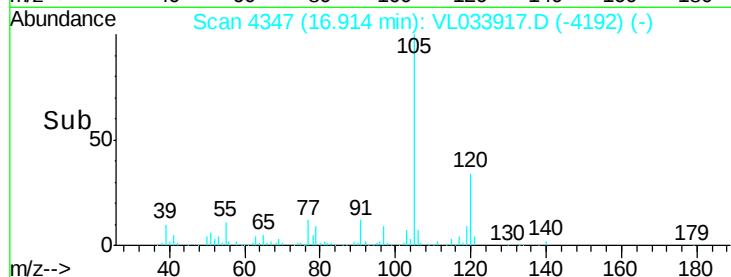
#74
 1,2,4-Trimethylbenzene
 Concen: 0.711 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.00 min
 Lab File: VL033917.D
 Acq: 14 Jun 2019 4:10

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:	105	Resp:	200502
Ion Ratio		Lower	Upper
105	100		
120	34.1	36.7	55.1#
91	11.9	35.8	53.8#
77	12.5	16.9	25.3#

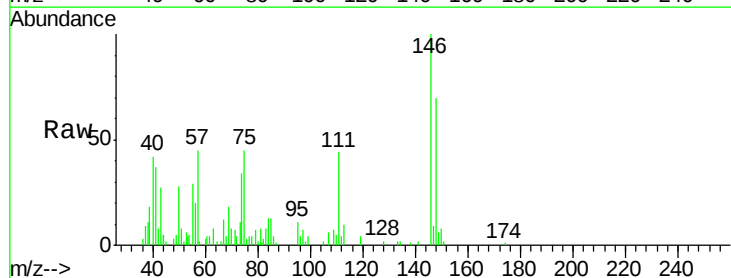


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

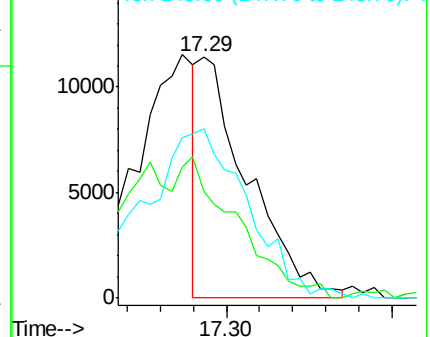
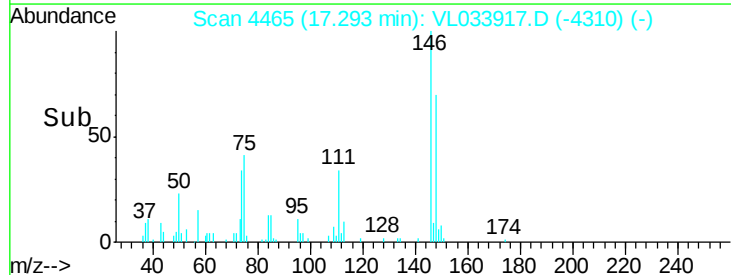


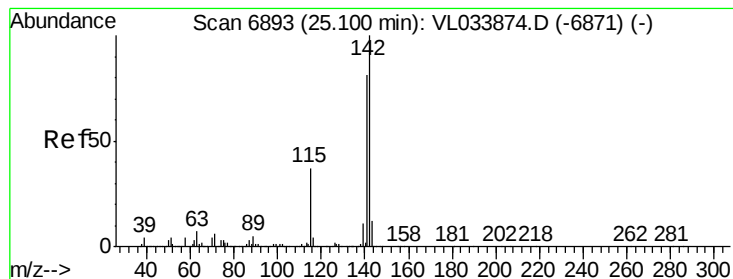
#76
 1,4-Dichlorobenzene
 Concen: 0.072 ppbv
 RT: 17.29 min Scan# 4465
 Delta R.T. -0.00 min
 Lab File: VL033917.D
 Acq: 14 Jun 2019 4:10

Tgt Ion:	146	Resp:	11680
Ion Ratio		Lower	Upper
146	100		
111	152.3	22.1	66.5#
148	149.8	32.4	97.0#



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





#80

Naphthalene, 2-methyl-

Concen: 0.061 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL033917.D

Acq: 14 Jun 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

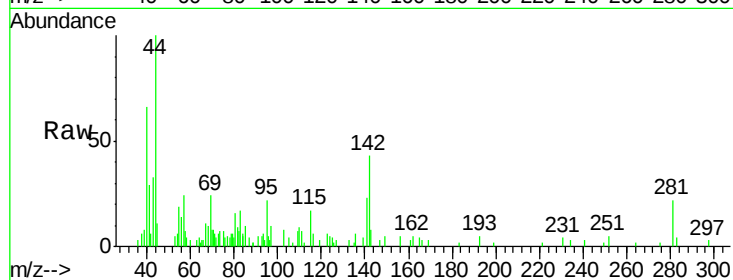
Tot Ion:142 Resp: 5456

Ion Ratio Lower Upper

142 100

141 77.1 65.7 98.5

115 59.8 28.9 43.3#



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

