

Data File : VL033193.D
Acq On : 13 Feb 2019 19:07
Operator : SY/AP
Sample : K1408-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
FM-IA

Quant Time: Feb 14 04:28:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	973372	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2209200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2143818	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 1744573 10.57 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 105.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.07	85	50588	0.272 ppbv	99
3) Chlorodifluoromethane	3.01	51	20275738	172.999 ppbv #	52
4) Chloromethane	3.17	50	35692	0.577 ppbv	89
6) Bromomethane	3.51	94	1234	0.035 ppbv #	64
8) Dichlorotetrafluoroethane	3.07	85	50588	0.348 ppbv #	19
9) Propene	3.05	41	67910	1.199 ppbv	93
10) Heptane	8.25	43	23714	0.138 ppbv #	76
11) Trichlorofluoromethane	4.00	101	36819	0.244 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6814	0.065 ppbv	100
13) Ethanol	3.65	45	1908920	101.110 ppbv	97
15) Acetone	3.90	43	1286092	11.728 ppbv	92
16) 1,3-Butadiene	3.34	39	16393	0.315 ppbv #	5
17) tert-Butyl alcohol	4.36	59	3565	0.171 ppbv #	74
19) Isopropyl Alcohol	4.03	45	213956	2.877 ppbv #	1
20) Methylene Chloride	4.41	84	121067	2.775 ppbv	98
21) Allyl Chloride	4.25	41	4231	0.058 ppbv #	1
23) Vinyl Acetate	5.16	43	7751	0.041 ppbv #	83
25) Ethyl Acetate	5.77	43	860588	3.490 ppbv	96
26) Hexane	5.78	57	480400	4.150 ppbv	83
29) Chloroform	5.85	83	90770	0.512 ppbv	92
31) cis-1,2-Dichloroethene	5.76	61	66660	0.575 ppbv #	27
34) 2-Butanone	5.33	43	168231	1.201 ppbv	99
36) Benzene	7.00	78	74360	0.332 ppbv	99
39) 1,2-Dichloropropane	7.29	63	582166	6.584 ppbv #	26
41) Tetrahydrofuran	6.15	42	37365	0.431 ppbv #	36
42) Bromodichloromethane	7.91	83	5895	0.033 ppbv #	83
44) 2,2,4-Trimethylpentane	7.99	57	42144	0.111 ppbv #	68
52) Tetrachloroethene	11.38	164	69525	0.808 ppbv	96
53) Toluene	9.95	91	667159	2.516 ppbv	100
58) Ethyl Benzene	13.13	91	77331	0.223 ppbv	92
59) m/p-Xylene	13.15	91	16296	0.056 ppbv #	100
60) o-Xylene	13.85	91	33960	0.121 ppbv	98
61) Styrene	13.69	104	45751	0.215 ppbv	97
69) p-Isopropyltoluene	17.81	119	22462	0.054 ppbv #	47
74) 1,2,4-Trimethylbenzene	16.93	105	22034	0.068 ppbv #	71

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

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Instrument :
MSVOA_L
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FM-IA

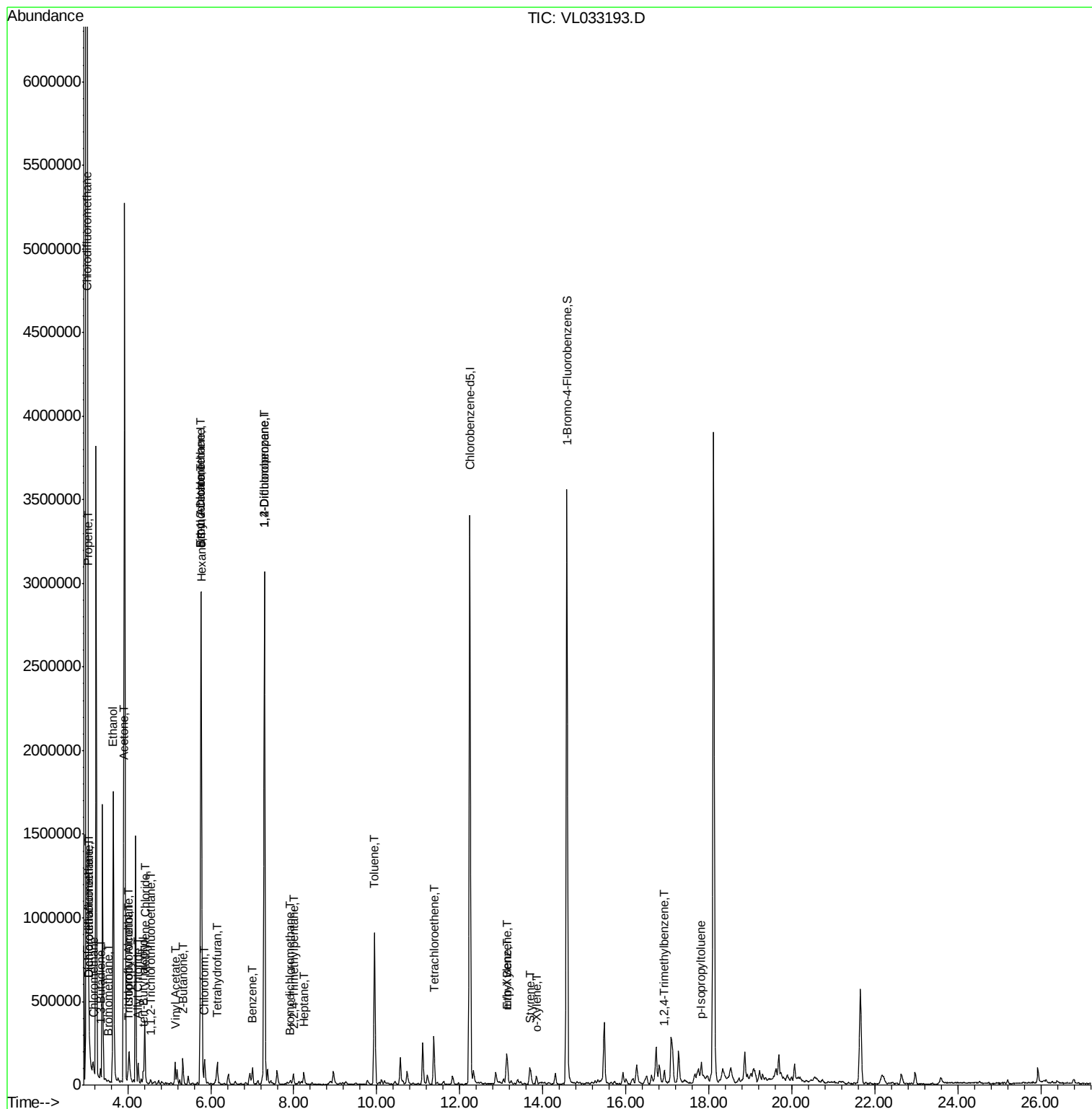
Quant Time: Feb 14 04:28:10 2019

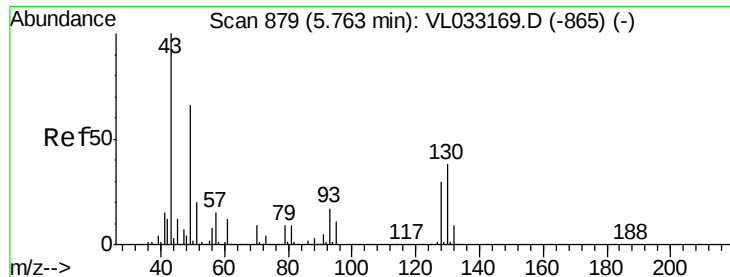
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019

QLast Update : Wed Feb 06 09:13:11 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

FM-IA

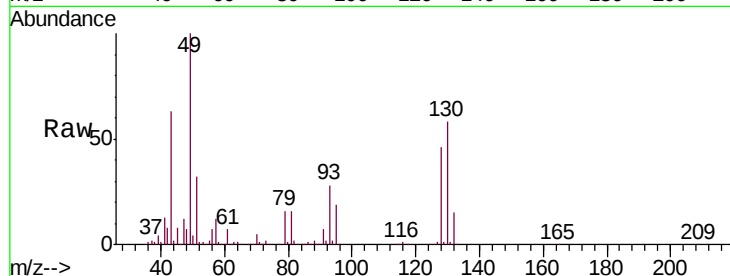
Tgt Ion: 49 Resp: 973372

Ion Ratio Lower Upper

49 100

128 45.4 23.6 71.0

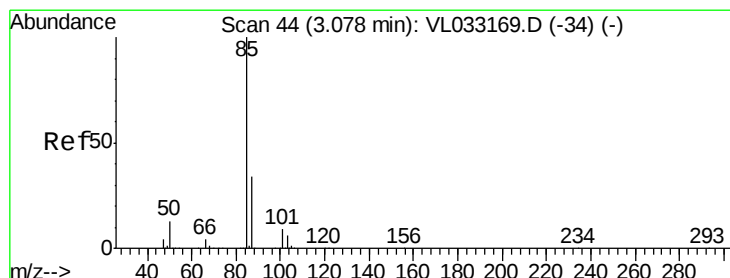
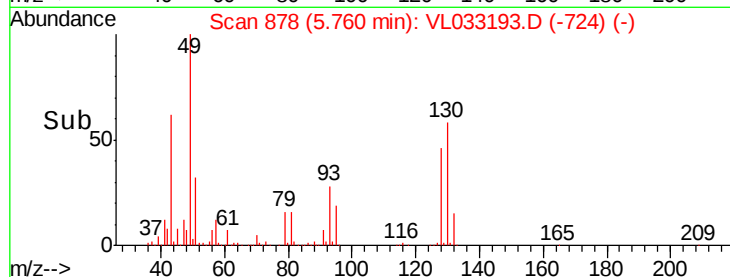
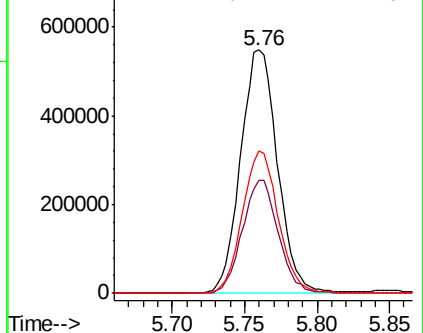
130 57.3 30.3 91.0



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: 0.272 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033193.D

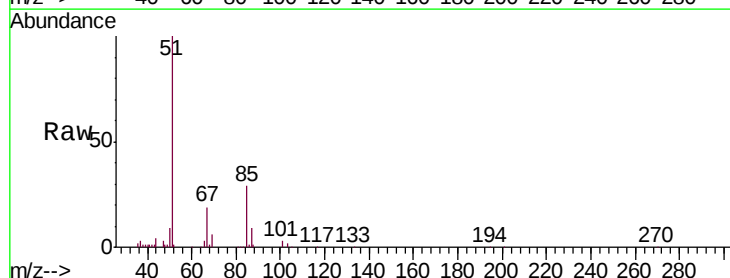
Acq: 13 Feb 2019 19:07

Tgt Ion: 85 Resp: 50588

Ion Ratio Lower Upper

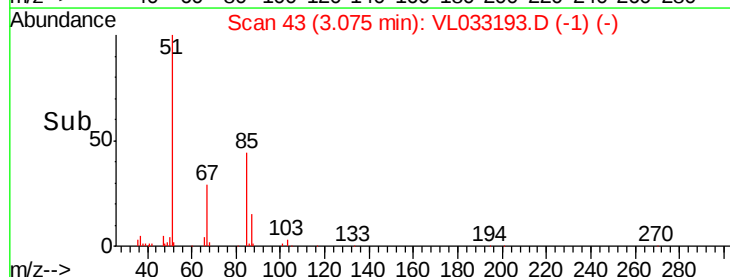
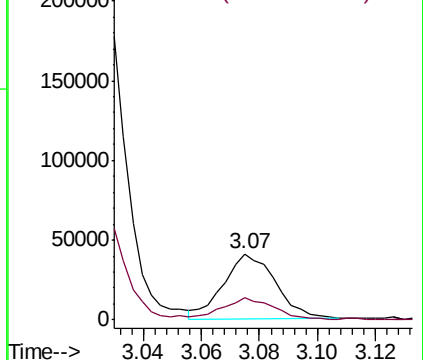
85 100

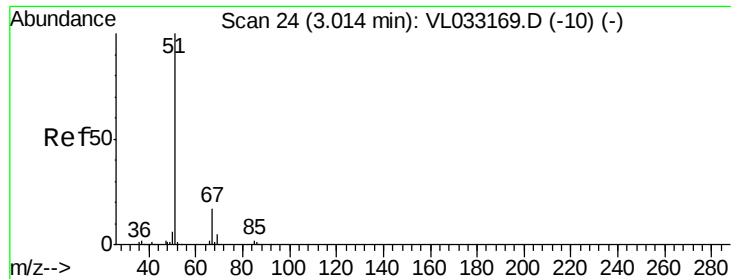
87 33.9 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

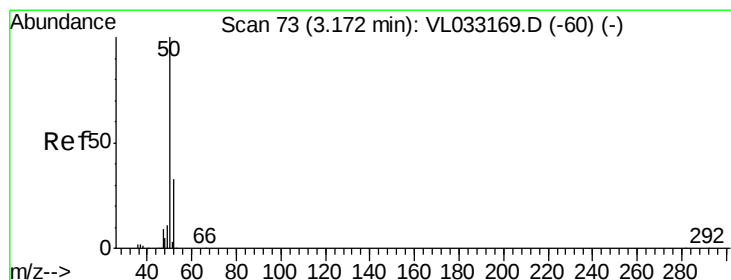
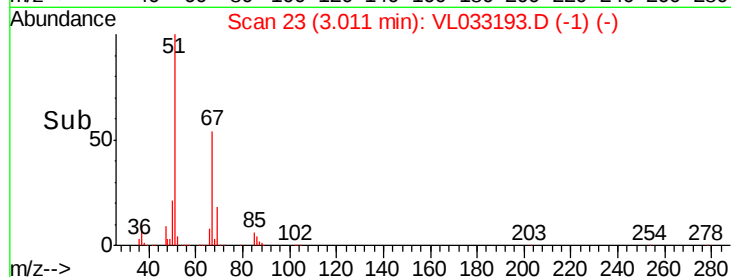
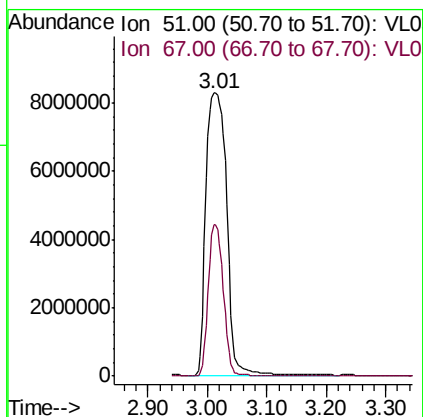
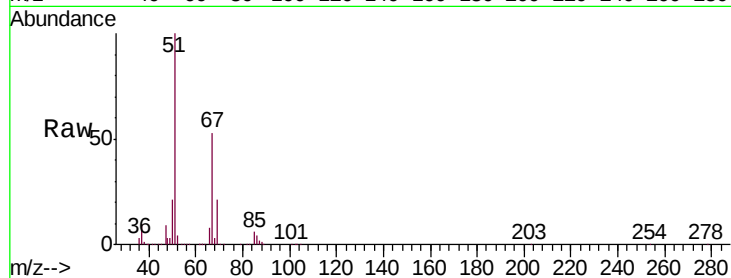




#3
Chlorodifluoromethane
Concen: 172.999 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

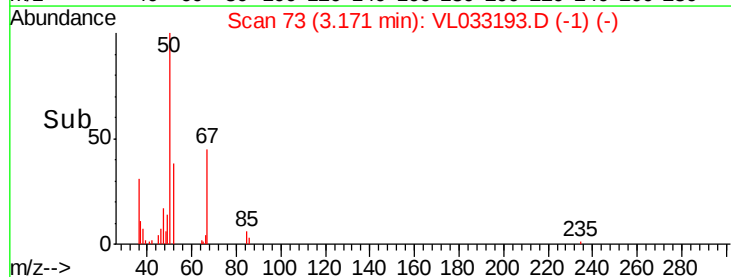
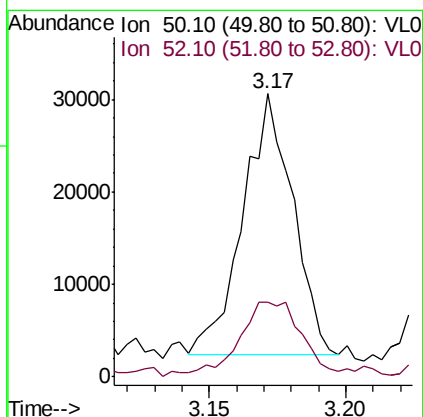
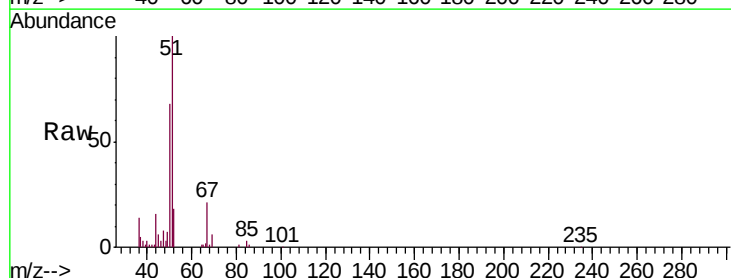
Instrument :
MSVOA_L
ClientSampleId :
FM-IA

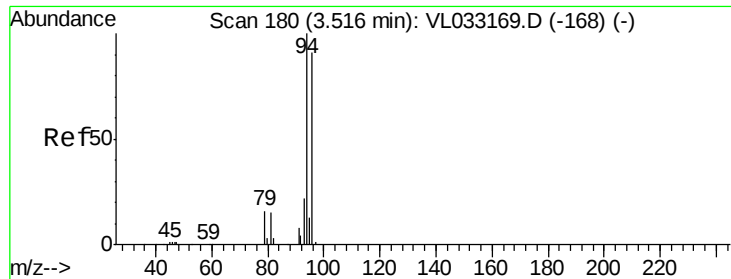
Tgt Ion: 51 Resp: 20275738
Ion Ratio Lower Upper
51 100
67 38.6 14.0 21.0#



#4
Chloromethane
Concen: 0.577 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Tgt Ion: 50 Resp: 35692
Ion Ratio Lower Upper
50 100
52 27.1 26.5 39.7





#6

Bromomethane

Concen: 0.035 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

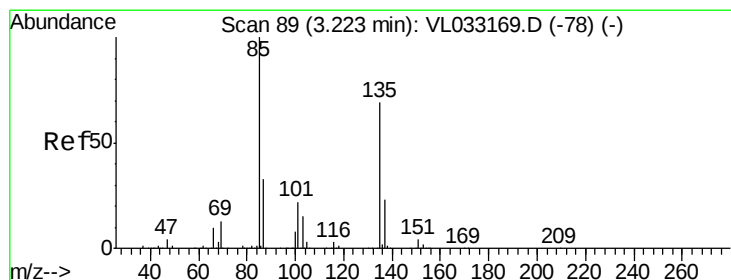
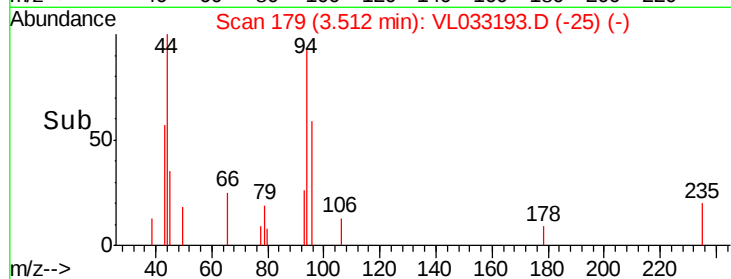
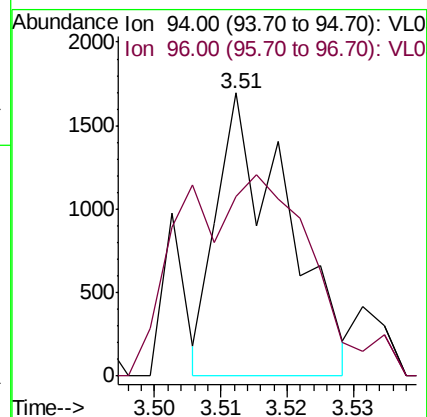
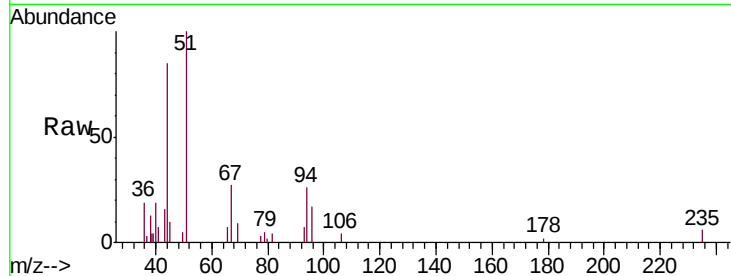
FM-IA

Tgt Ion: 94 Resp: 1234

Ion Ratio Lower Upper

94 100

96 57.7 73.2 109.8#



#8

Dichlorotetrafluoroethane

Concen: 0.348 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.15 min

Lab File: VL033193.D

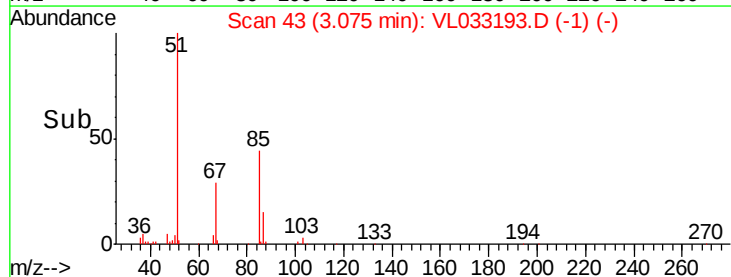
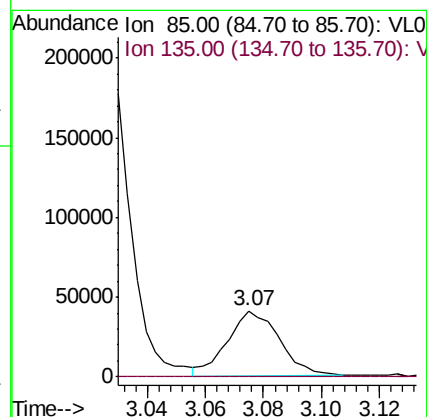
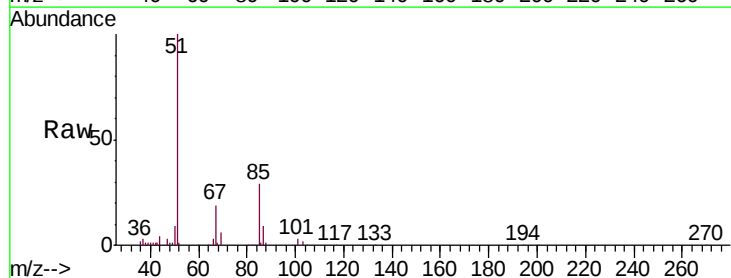
Acq: 13 Feb 2019 19:07

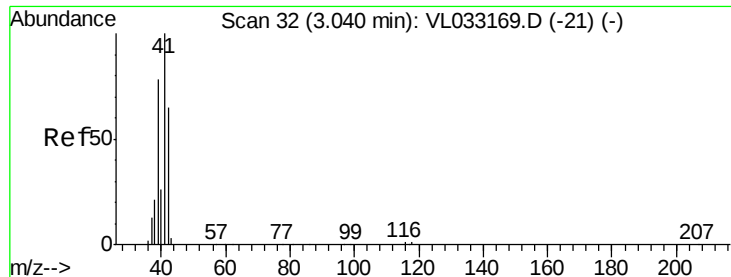
Tgt Ion: 85 Resp: 50588

Ion Ratio Lower Upper

85 100

135 2.7 54.3 81.5#





#9

Propene

Concen: 1.199 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampled :

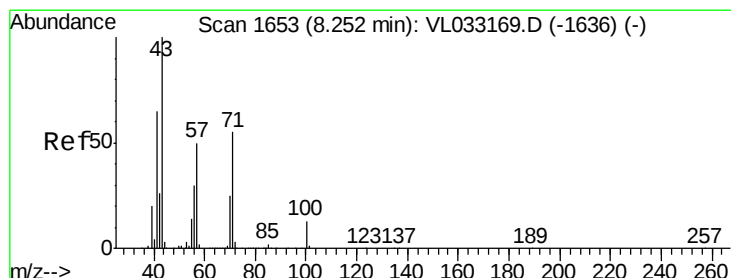
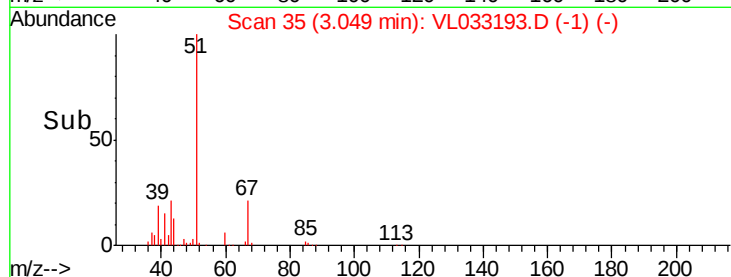
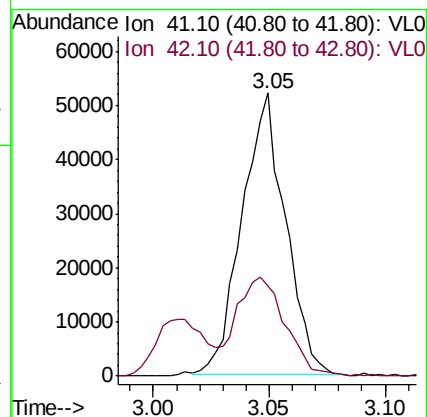
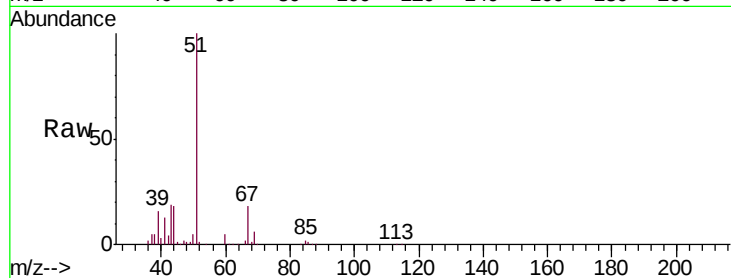
FM-IA

Tgt Ion: 41 Resp: 67910

Ion Ratio Lower Upper

41 100

42 62.9 55.0 82.6



#10

Heptane

Concen: 0.138 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033193.D

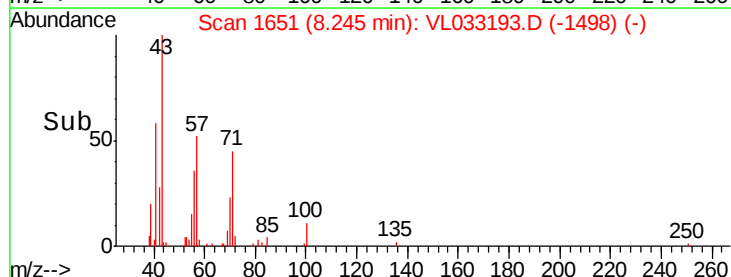
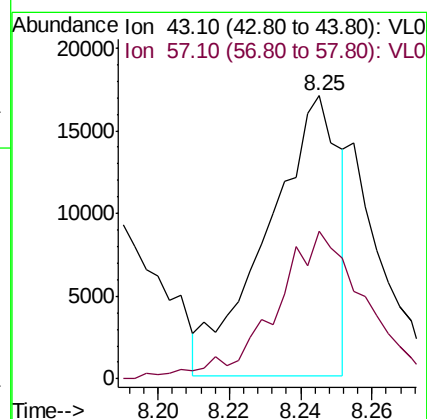
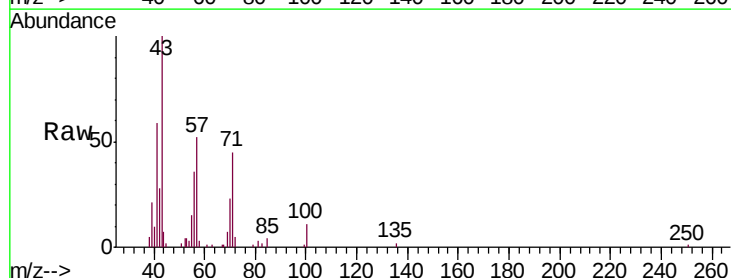
Acq: 13 Feb 2019 19:07

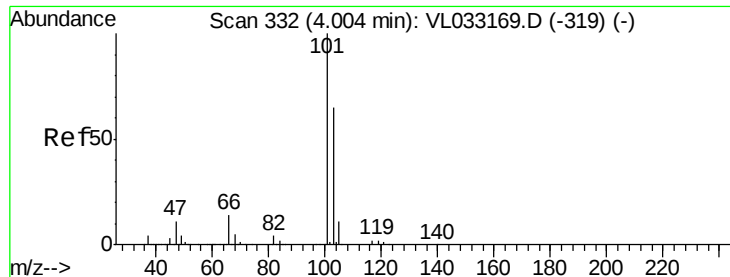
Tgt Ion: 43 Resp: 23714

Ion Ratio Lower Upper

43 100

57 66.2 39.5 59.3#





#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampled :

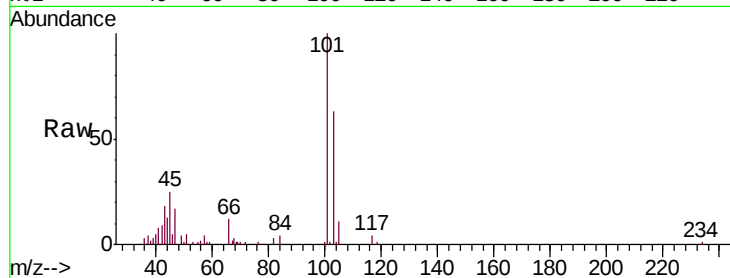
FM-IA

Tgt Ion:101 Resp: 36819

Ion Ratio Lower Upper

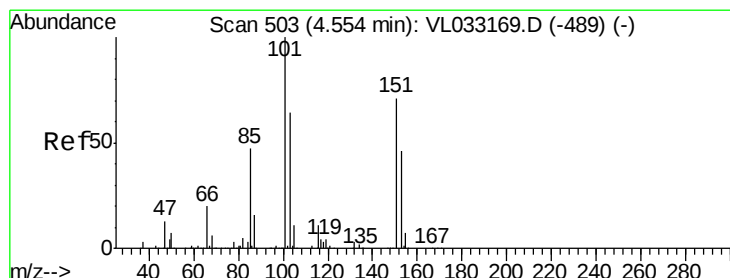
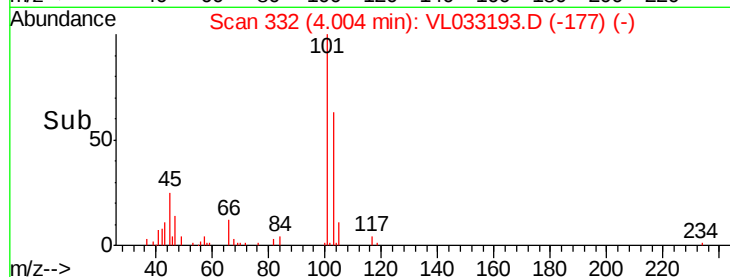
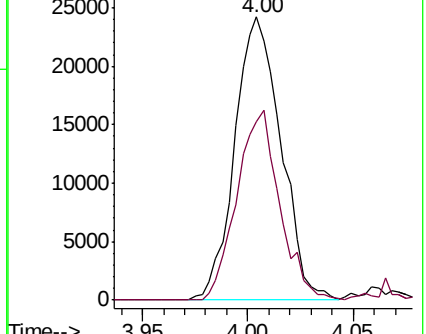
101 100

103 62.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.065 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL033193.D

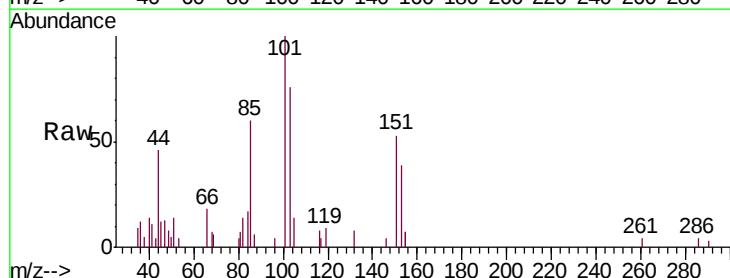
Acq: 13 Feb 2019 19:07

Tgt Ion:101 Resp: 6814

Ion Ratio Lower Upper

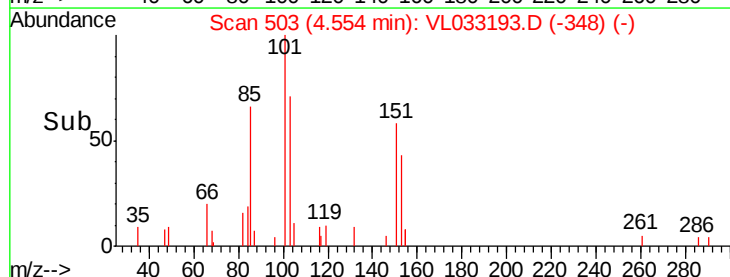
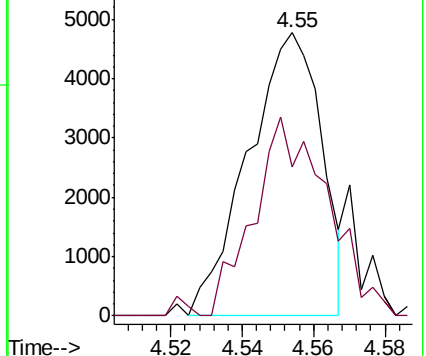
101 100

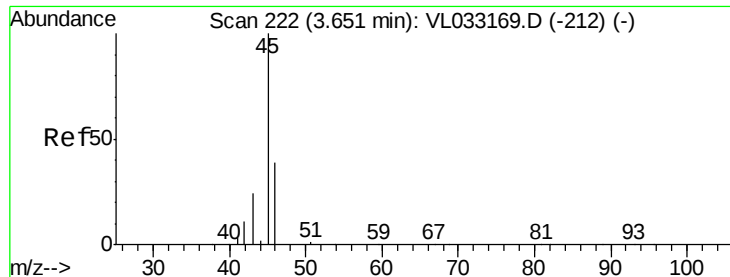
151 71.6 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 101.110 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

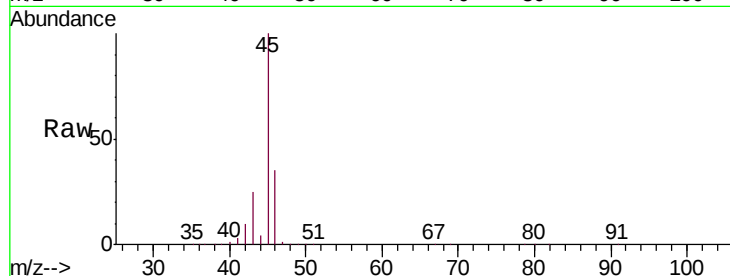
FM-IA

Tgt Ion: 45 Resp: 1908920

Ion Ratio Lower Upper

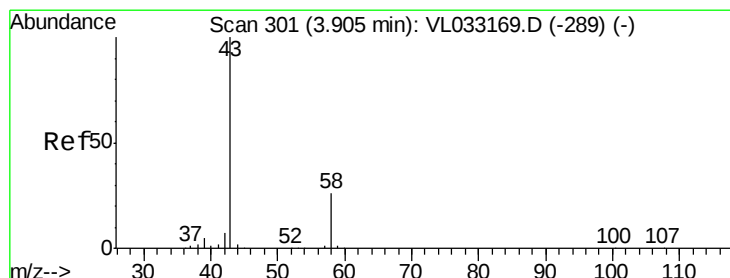
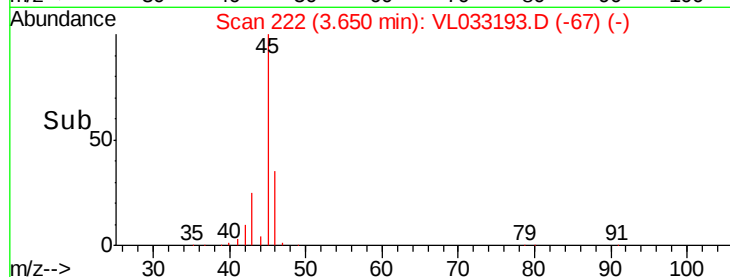
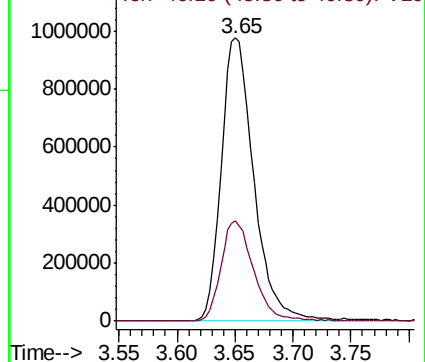
45 100

46 35.7 15.0 60.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 11.728 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033193.D

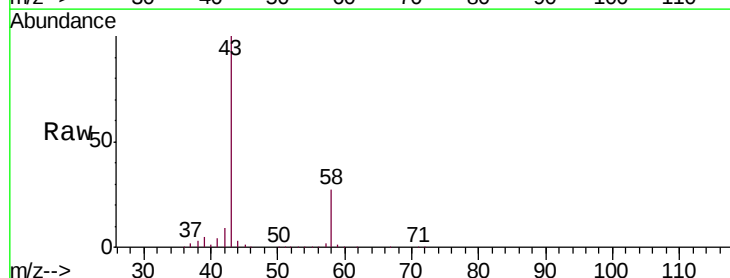
Acq: 13 Feb 2019 19:07

Tgt Ion: 43 Resp: 1286092

Ion Ratio Lower Upper

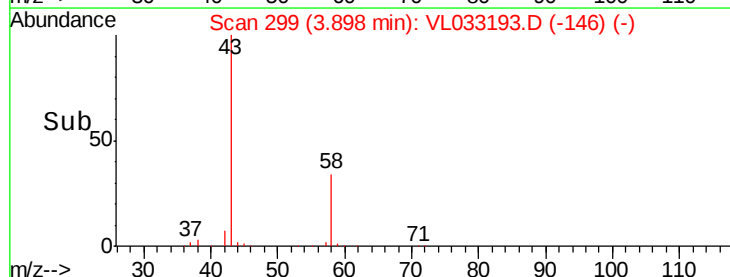
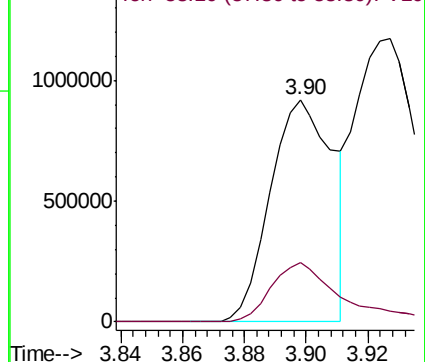
43 100

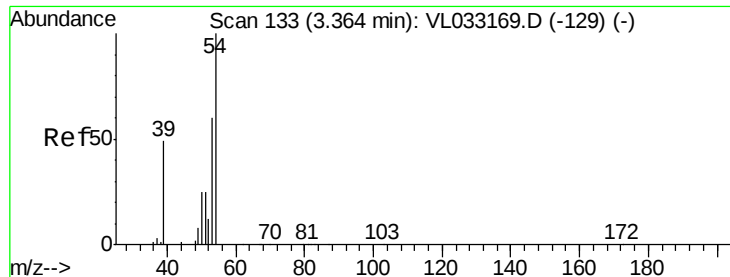
58 30.5 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

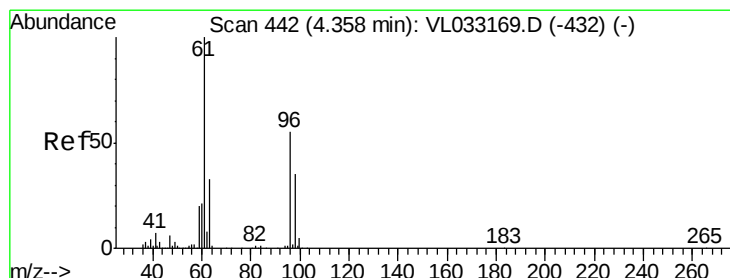
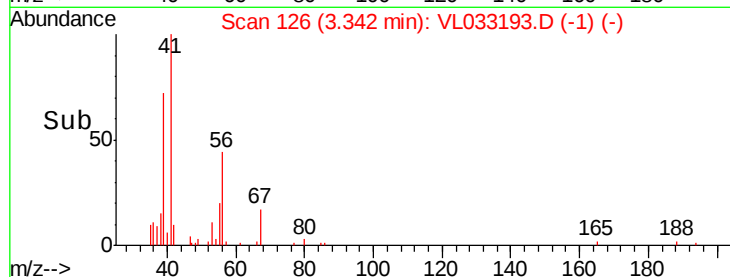
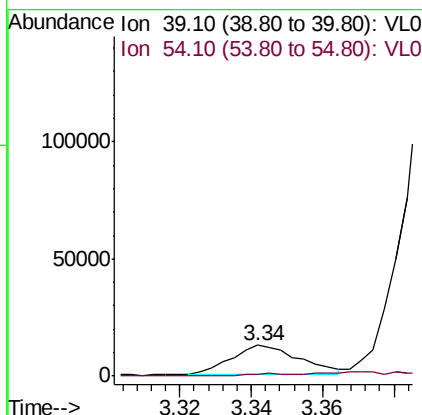
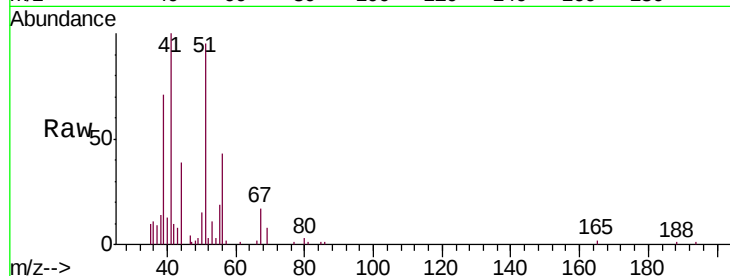




#16
 1,3-Butadiene
 Concen: 0.315 ppbv
 RT: 3.34 min Scan# 126
 Delta R.T. -0.02 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

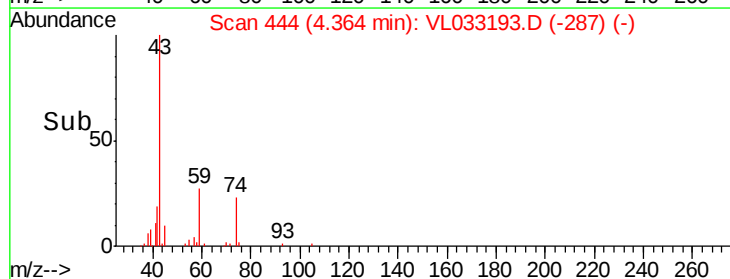
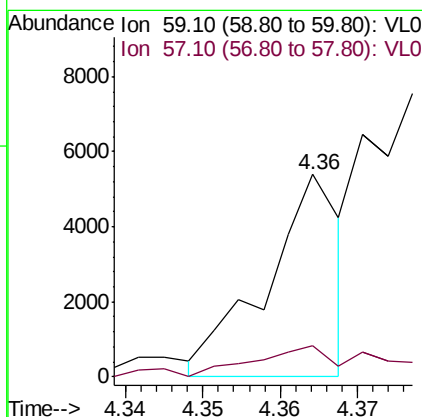
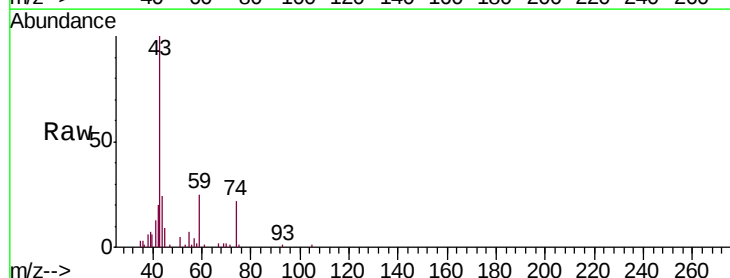
Instrument :
 MSVOA_L
 ClientSampleId :
 FM-IA

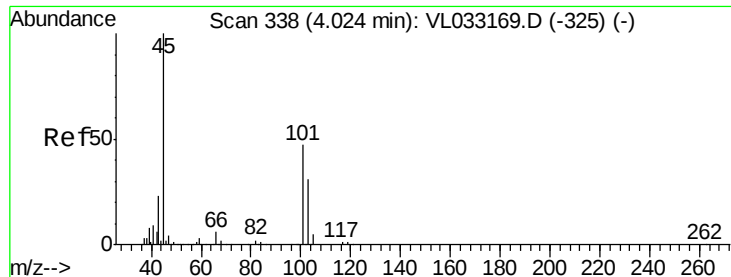
Tgt Ion: 39 Resp: 16393
 Ion Ratio Lower Upper
 39 100
 54 0.0 71.3 106.9#



#17
 tert-Butyl alcohol
 Concen: 0.171 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

Tgt Ion: 59 Resp: 3565
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#





#19

Isopropyl Alcohol

Concen: 2.877 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

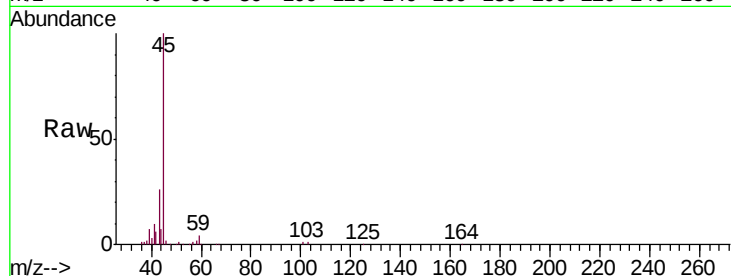
FM-IA

Tgt Ion: 45 Resp: 213956

Ion Ratio Lower Upper

45 100

58 183.2 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

120000

100000

80000

60000

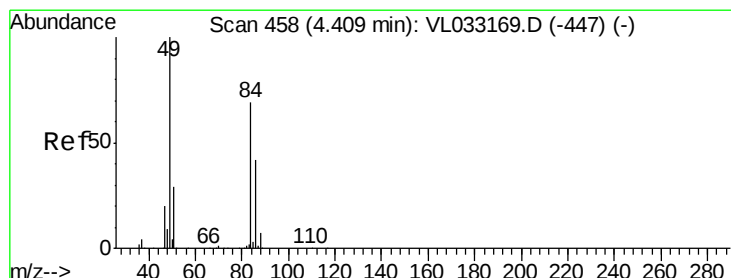
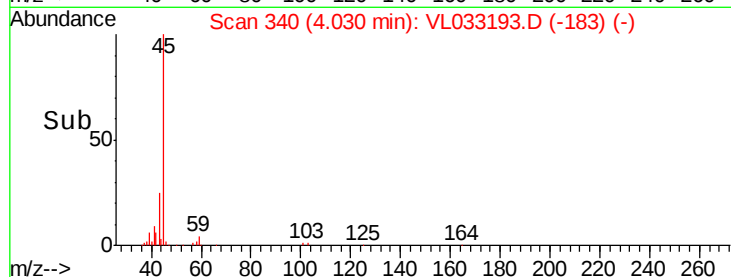
40000

20000

0

Time-->

3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 2.775 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Tgt Ion: 84 Resp: 121067

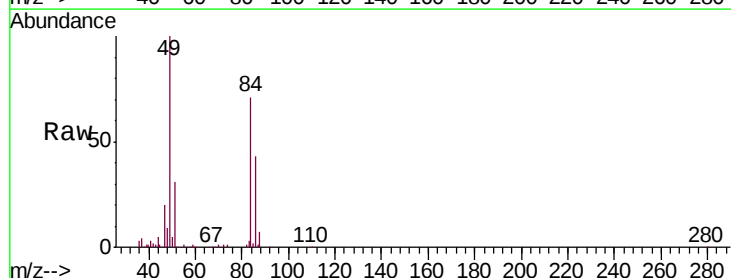
Ion Ratio Lower Upper

84 100

49 141.4 115.8 173.8

51 43.4 33.0 49.6

86 60.3 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

150000

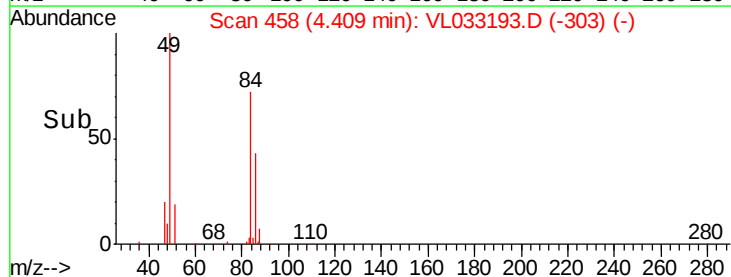
100000

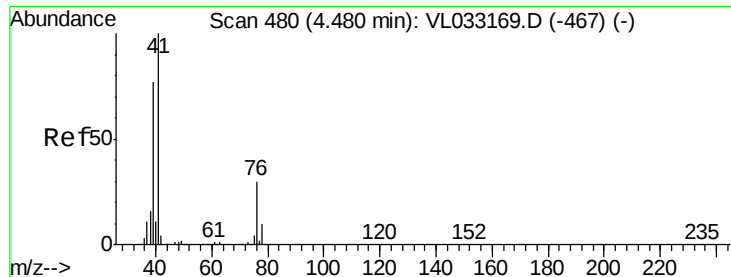
50000

0

Time-->

4.35 4.40 4.45





#21

Allyl Chloride

Concen: 0.058 ppbv

RT: 4.25 min Scan# 408

Delta R.T. -0.23 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampled :

FM-IA

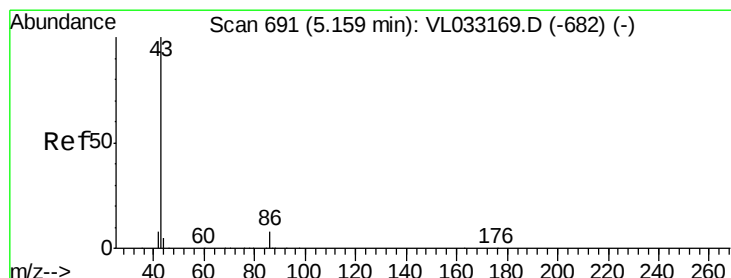
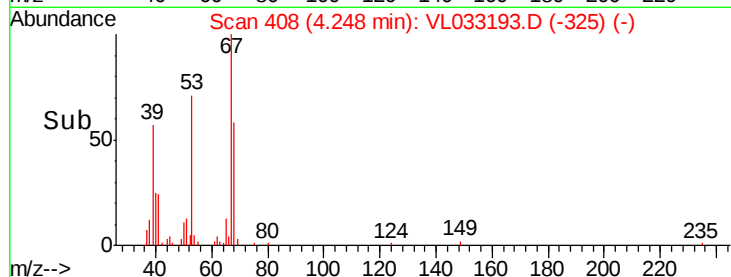
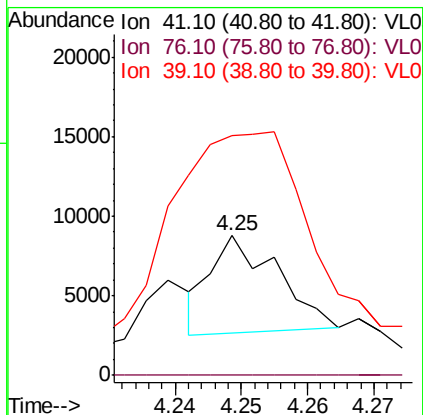
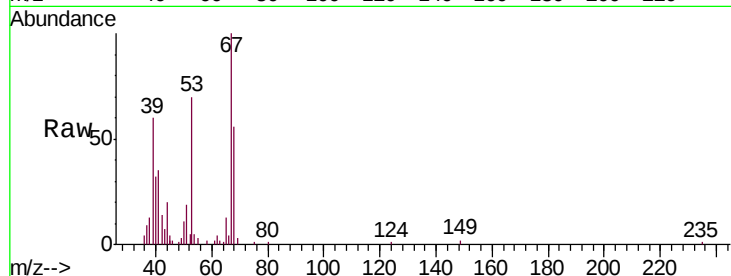
Tgt Ion: 41 Resp: 4231

Ion Ratio Lower Upper

41 100

76 0.0 24.5 36.7#

39 582.5 64.1 96.1#



#23

Vinyl Acetate

Concen: 0.041 ppbv

RT: 5.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Tgt Ion: 43 Resp: 7751

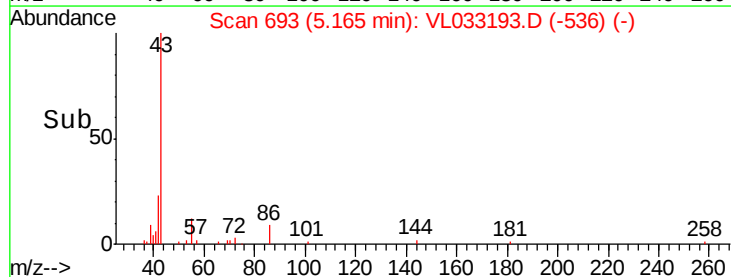
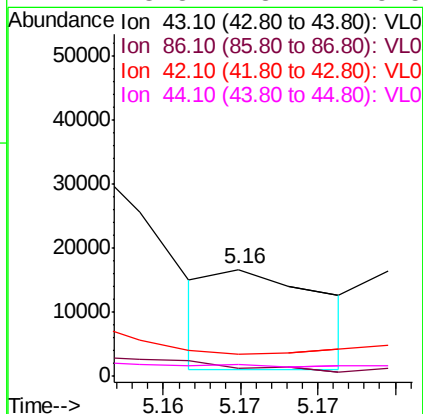
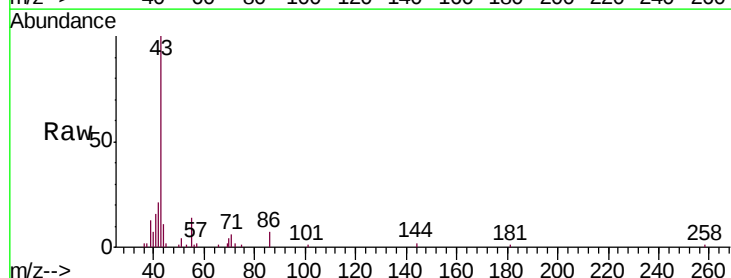
Ion Ratio Lower Upper

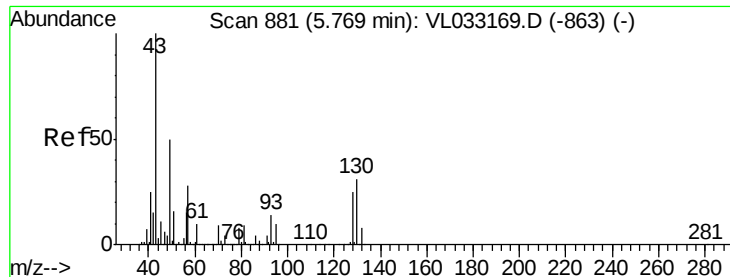
43 100

86 13.2 5.8 8.8#

42 0.0 7.4 11.0#

44 3.8 3.7 5.5

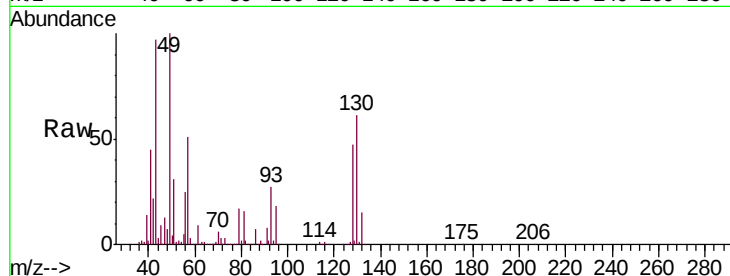




#25
Ethyl Acetate
Concen: 3.490 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Instrument :
MSVOA_L
ClientSampleId :
FM-IA

Tgt Ion:	43	Resp:	860588
Ion	Ratio	Lower	Upper
43	100		
45	8.5	7.9	11.9
61	7.8	7.5	11.3
70	6.2	5.8	8.8



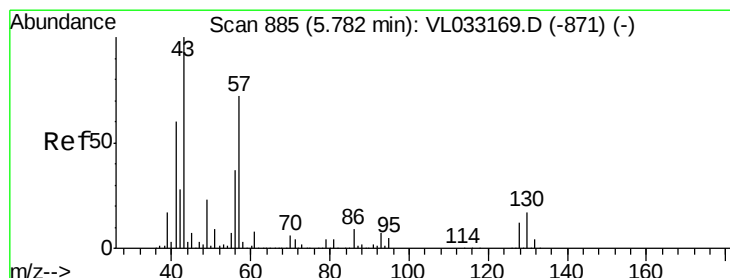
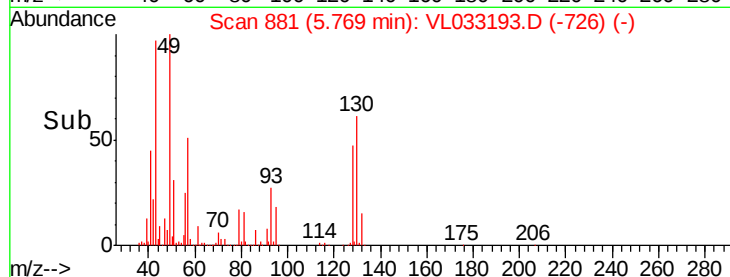
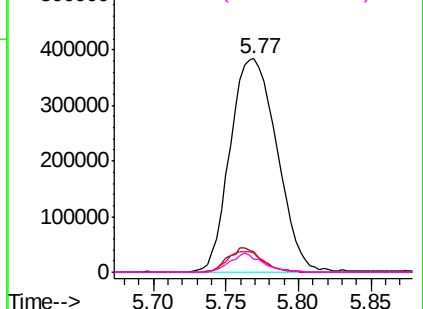
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

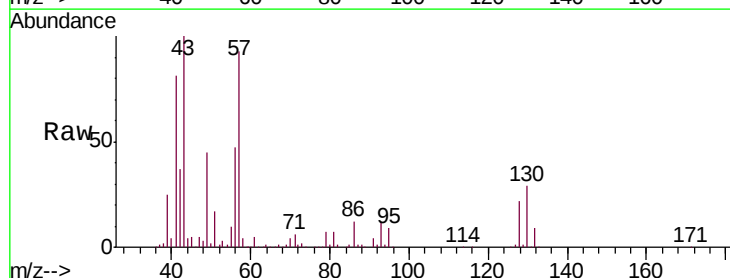
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 4.150 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Tgt Ion:	57	Resp:	480400
Ion	Ratio	Lower	Upper
57	100		
41	90.2	69.4	104.2
43	179.8	176.7	265.1
56	52.6	41.4	62.0



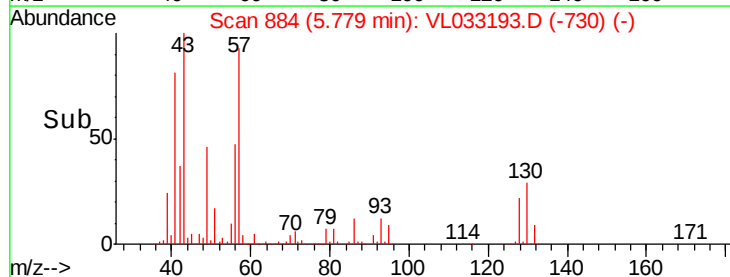
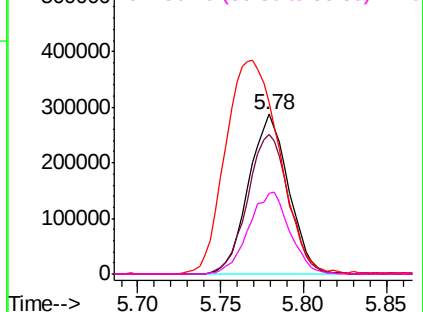
Abundance

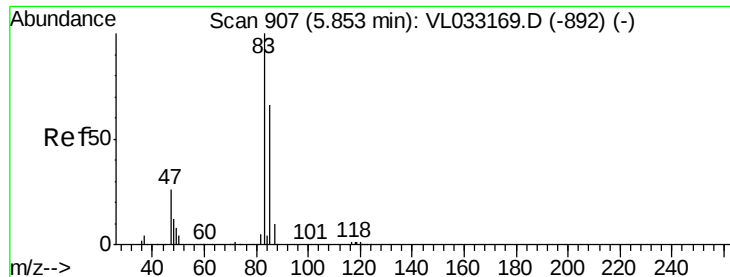
Ion 57.10 (56.80 to 57.80): VL0

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: 0.512 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

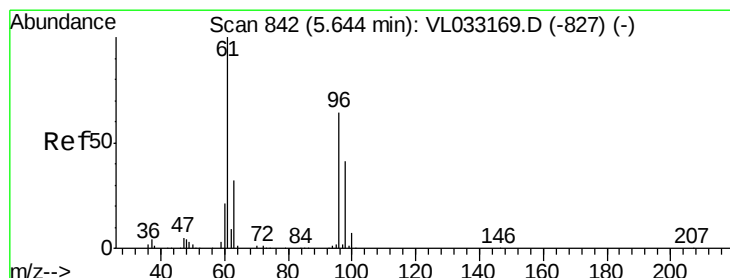
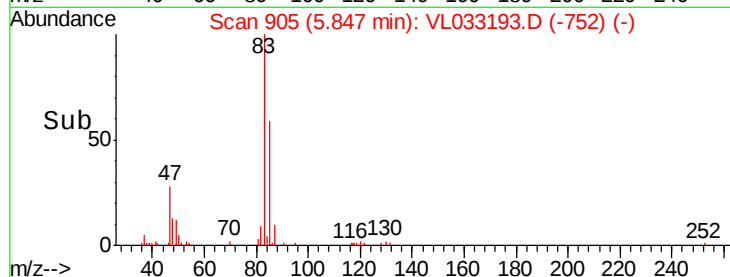
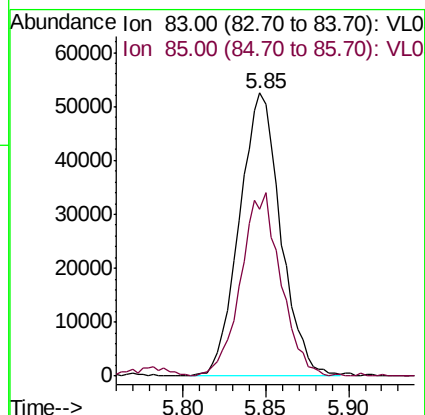
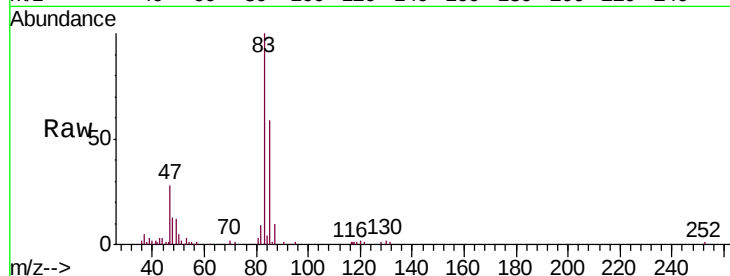
FM-IA

Tgt Ion: 83 Resp: 90770

Ion Ratio Lower Upper

83 100

85 59.2 52.6 78.8



#31

cis-1,2-Dichloroethene

Concen: 0.575 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.12 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

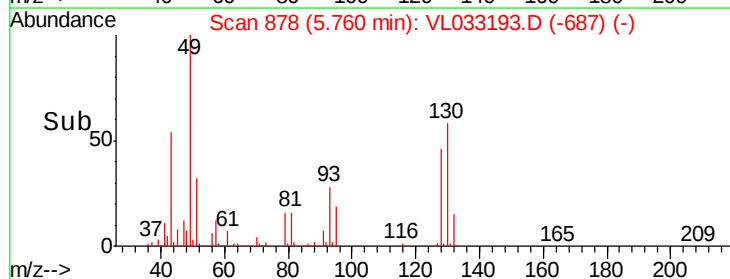
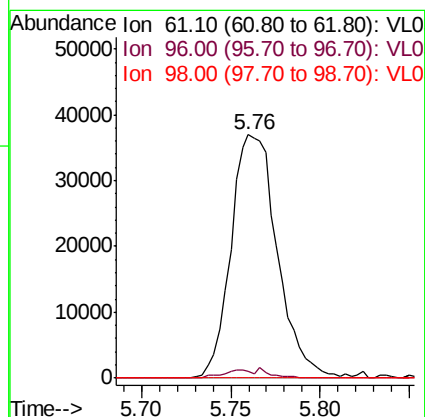
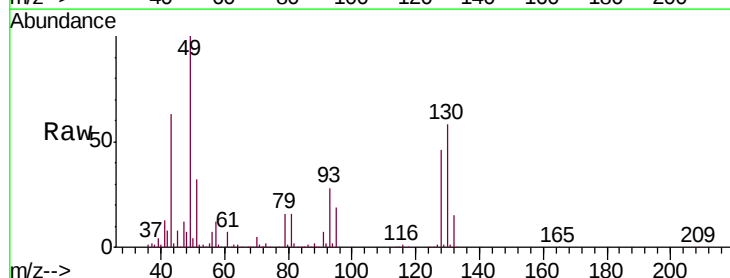
Tgt Ion: 61 Resp: 66660

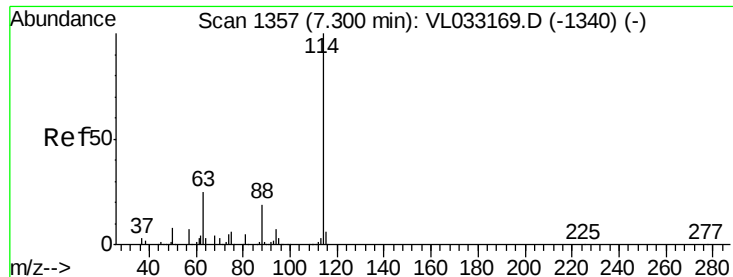
Ion Ratio Lower Upper

61 100

96 2.9 51.2 76.8#

98 0.0 32.8 49.2#

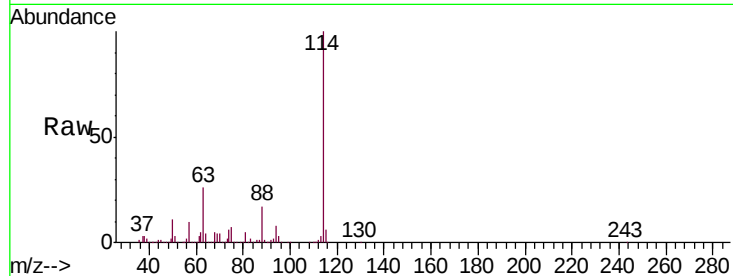




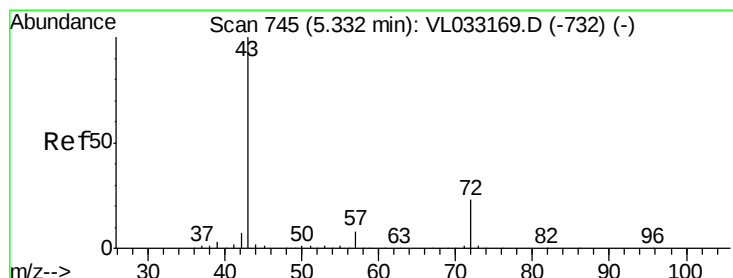
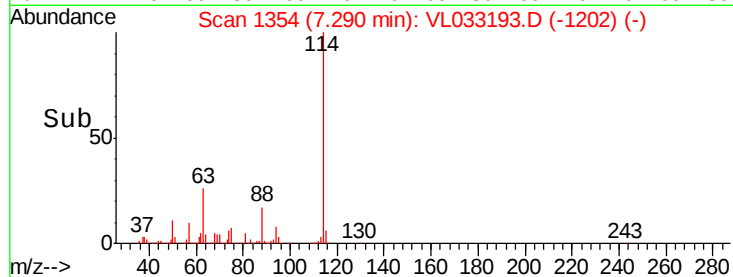
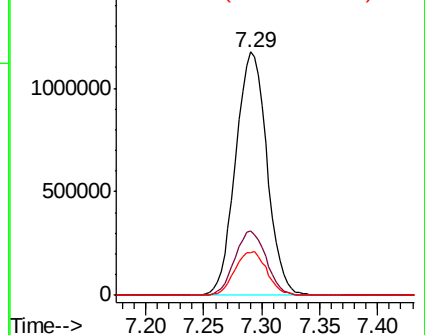
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

Instrument :
 MSVOA_L
 ClientSampleId :
 FM-IA

Tgt Ion:114 Resp: 2209200
 Ion Ratio Lower Upper
 114 100
 63 26.6 20.8 31.2
 88 18.3 14.6 22.0

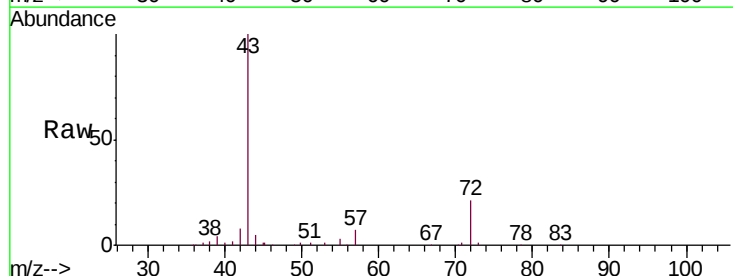


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

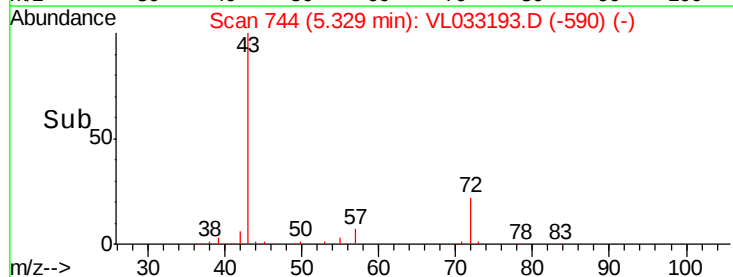
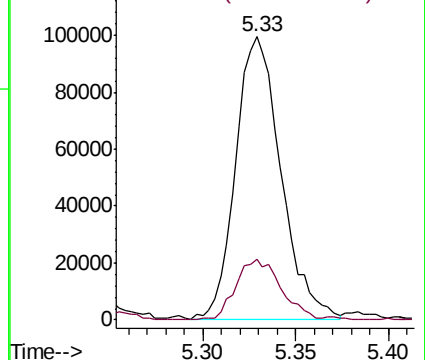


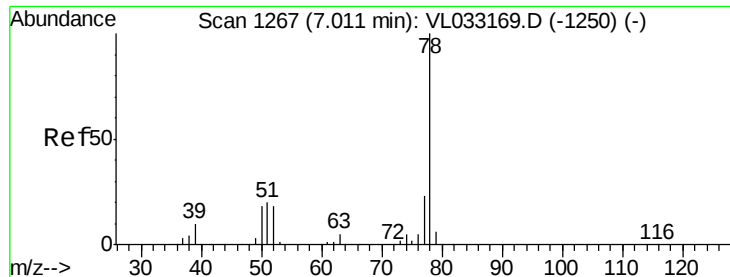
#34
 2-Butanone
 Concen: 1.201 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

Tgt Ion: 43 Resp: 168231
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.8 26.6



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

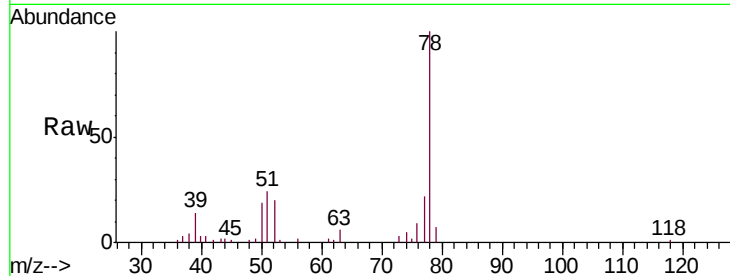




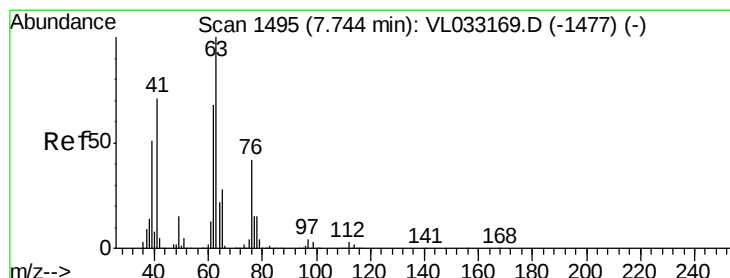
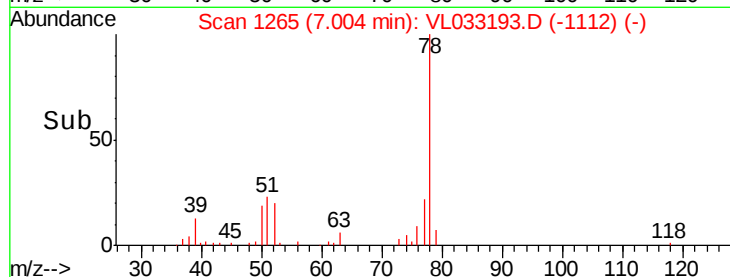
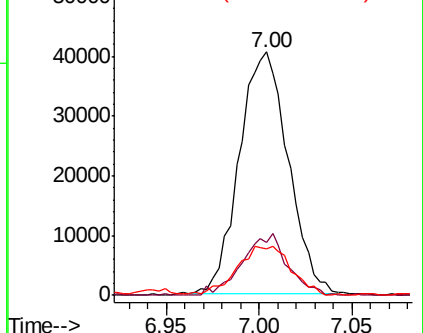
#36
Benzene
Concen: 0.332 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Instrument :
MSVOA_L
ClientSampleId :
FM-IA

Tgt Ion: 78 Resp: 74360
Ion Ratio Lower Upper
78 100
77 22.2 18.0 27.0
50 18.7 14.2 21.2

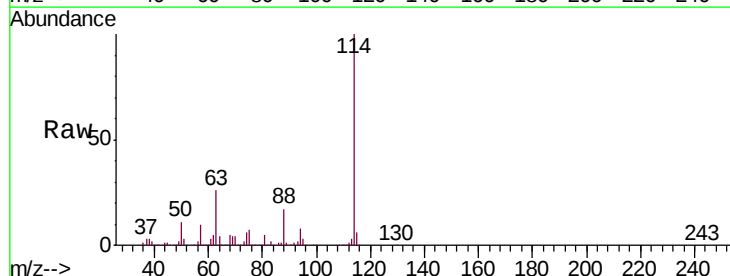


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

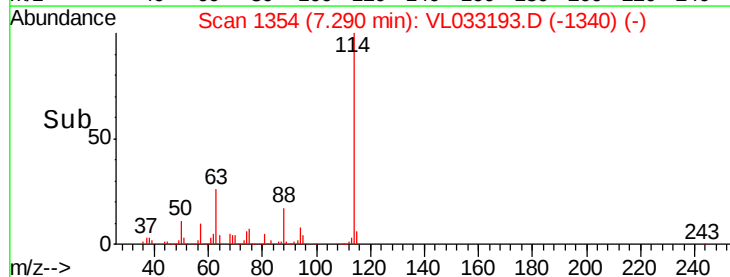
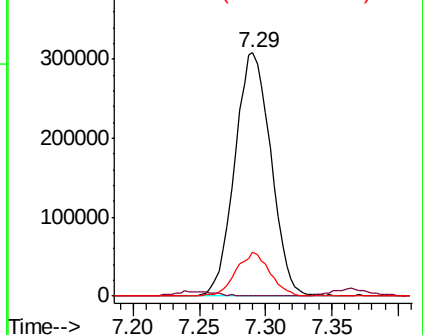


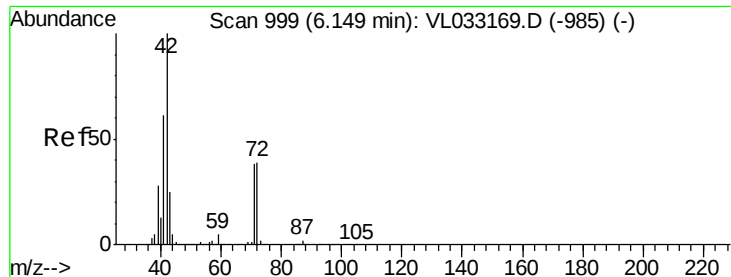
#39
1,2-Dichloropropane
Concen: 6.584 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Tgt Ion: 63 Resp: 582166
Ion Ratio Lower Upper
63 100
41 0.0 56.4 84.6#
62 17.9 54.2 81.4#



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: 0.431 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

FM-IA

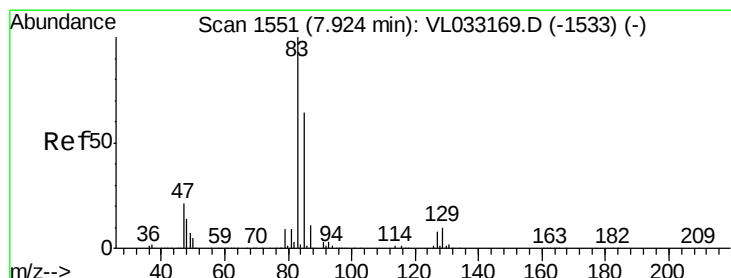
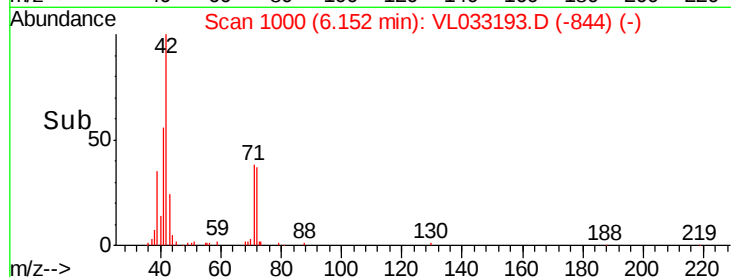
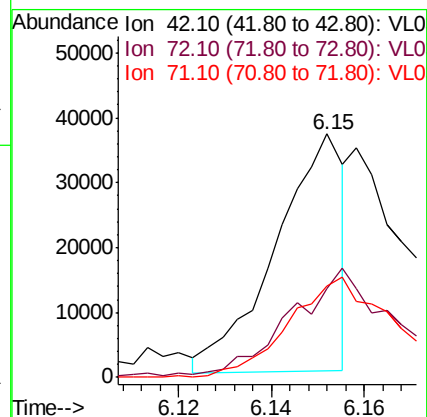
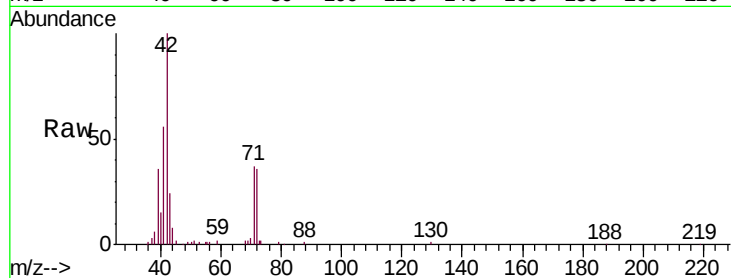
Tgt Ion: 42 Resp: 37365

Ion Ratio Lower Upper

42 100

72 0.0 31.6 47.4#

71 0.0 30.3 45.5#



#42

Bromodichloromethane

Concen: 0.033 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

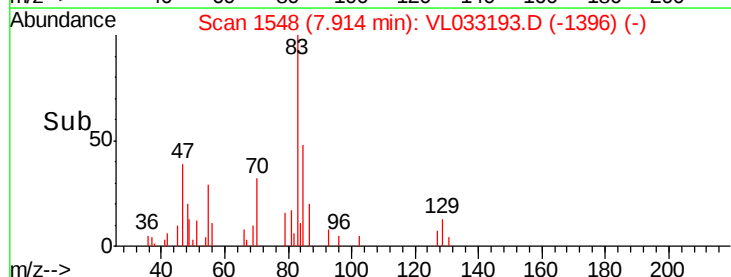
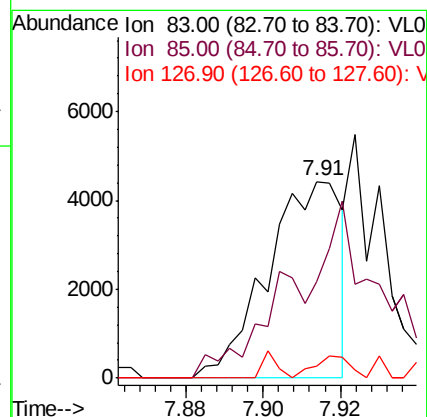
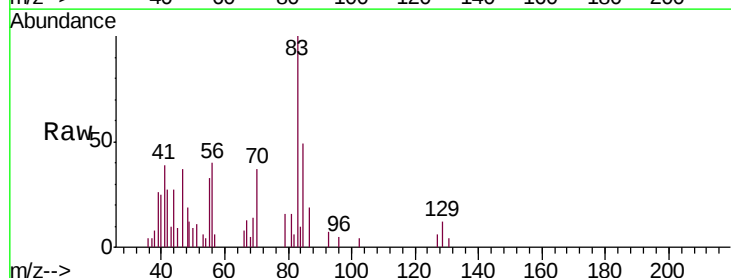
Tgt Ion: 83 Resp: 5895

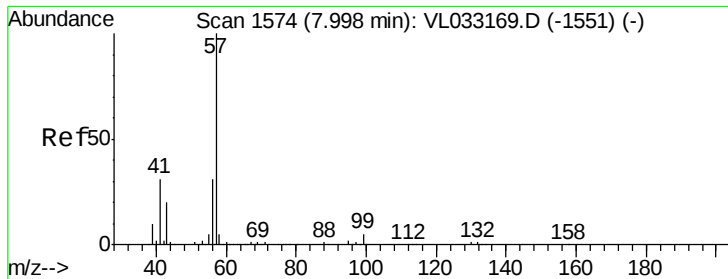
Ion Ratio Lower Upper

83 100

85 49.2 51.1 76.7#

127 6.2 6.4 9.6#





#44

2,2,4-Trimethylpentane

Concen: 0.111 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

FM-IA

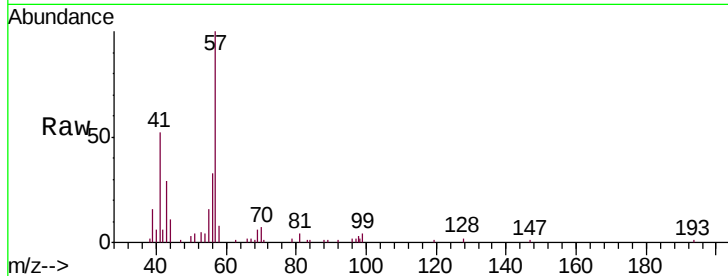
Tgt Ion: 57 Resp: 42144

Ion Ratio Lower Upper

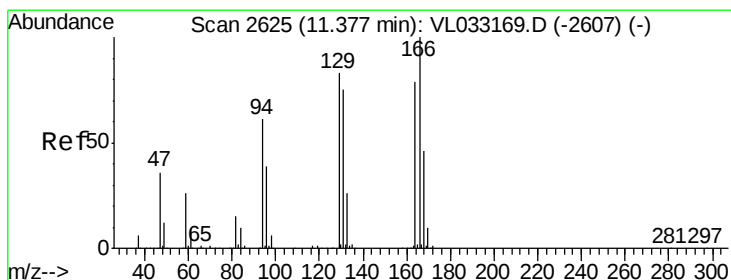
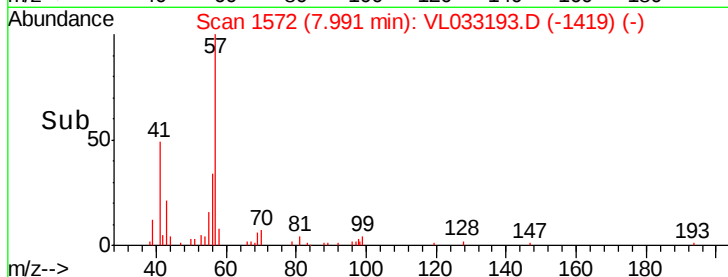
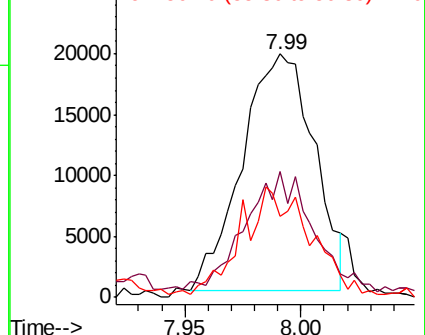
57 100

41 53.9 25.1 37.7#

56 43.0 24.5 36.7#



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: 0.808 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Tgt Ion: 164 Resp: 69525

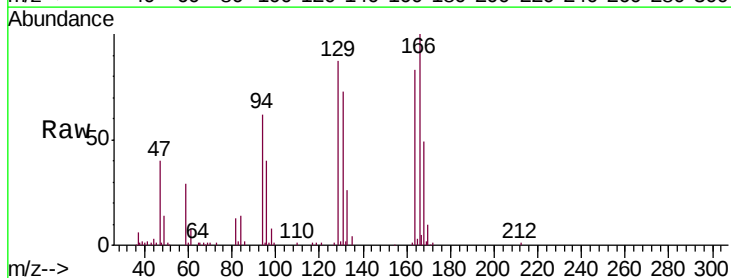
Ion Ratio Lower Upper

164 100

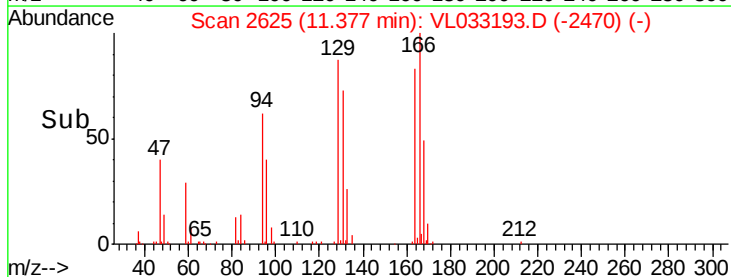
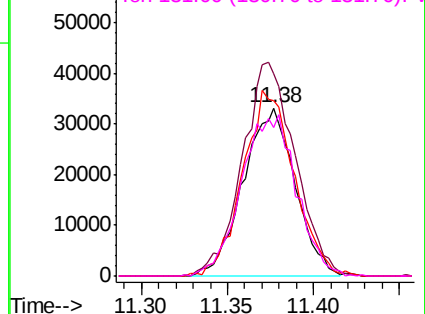
166 120.7 100.9 151.3

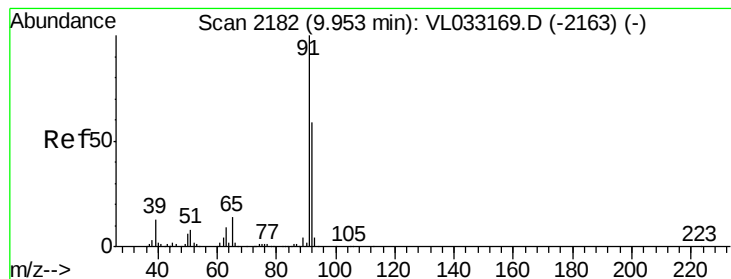
129 105.3 83.9 125.9

131 88.5 76.2 114.2



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: 2.516 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

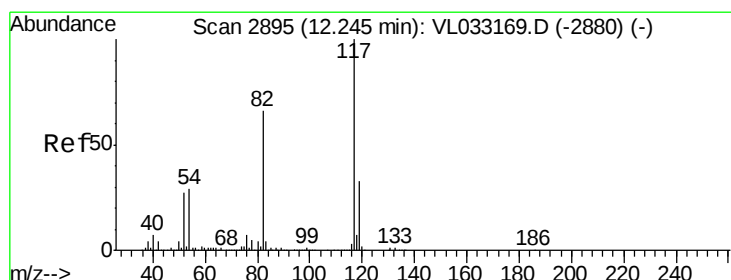
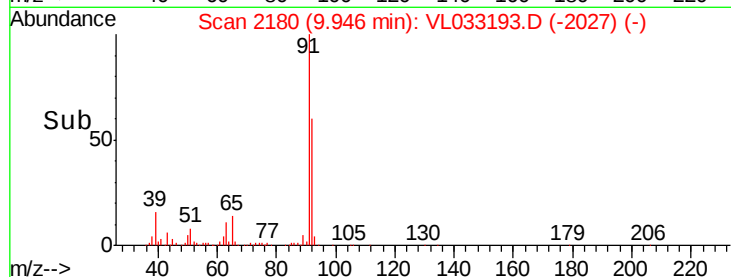
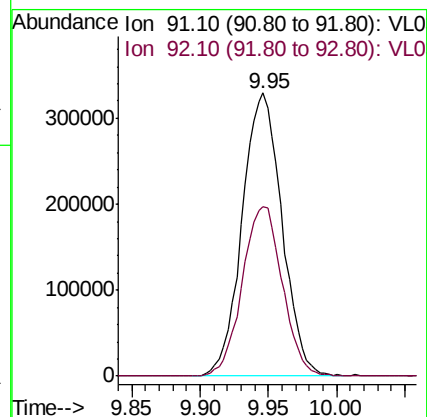
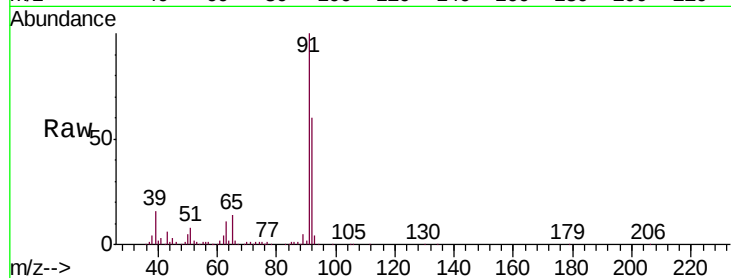
FM-IA

Tgt Ion: 91 Resp: 667159

Ion Ratio Lower Upper

91 100

92 60.4 48.0 72.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

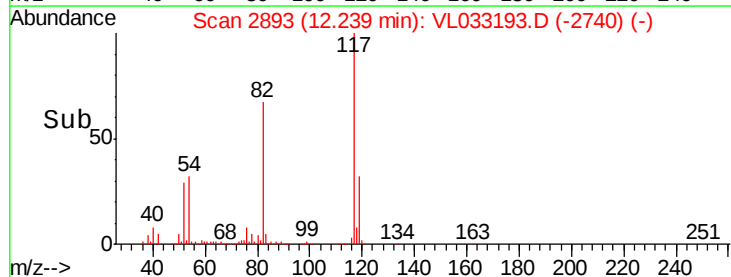
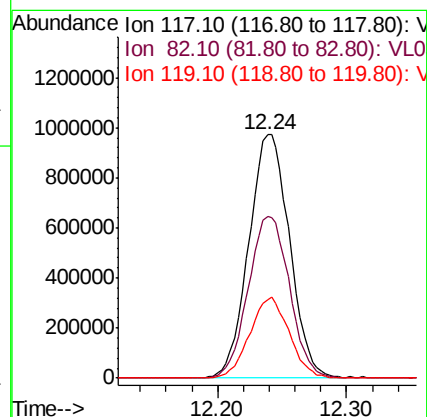
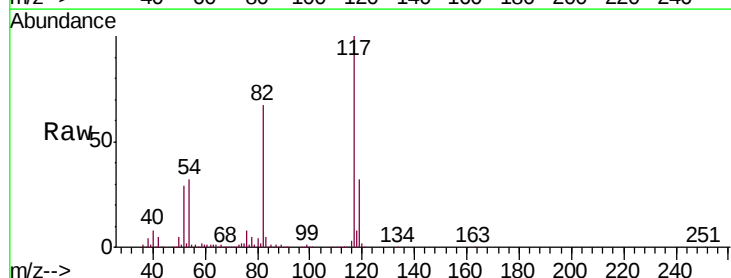
Tgt Ion: 117 Resp: 2143818

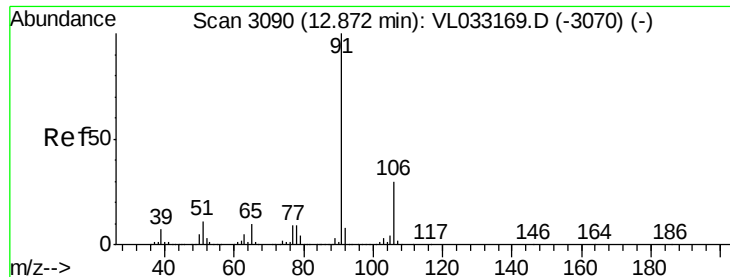
Ion Ratio Lower Upper

117 100

82 67.4 49.5 74.3

119 32.2 24.4 36.6





#58

Ethyl Benzene

Concen: 0.223 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. 0.25 min

Lab File: VL033193.D

Acq: 13 Feb 2019 19:07

Instrument :

MSVOA_L

ClientSampleId :

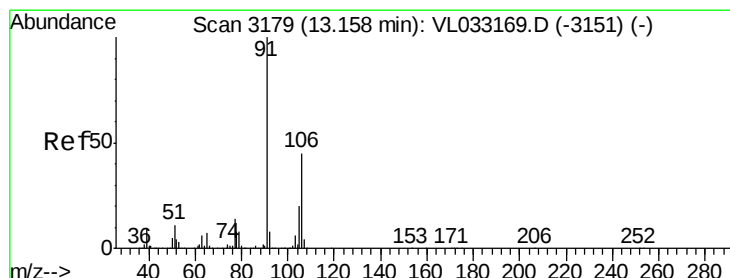
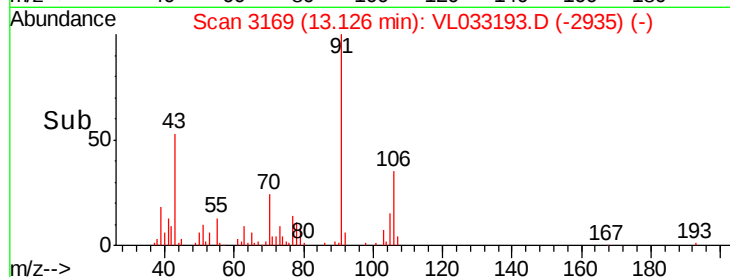
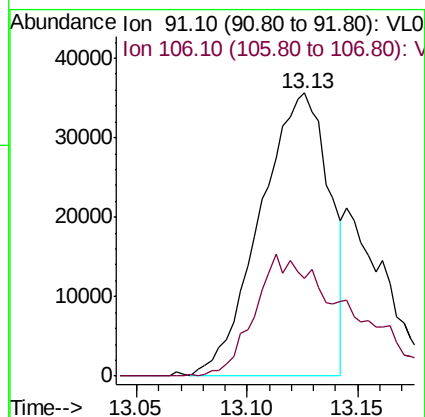
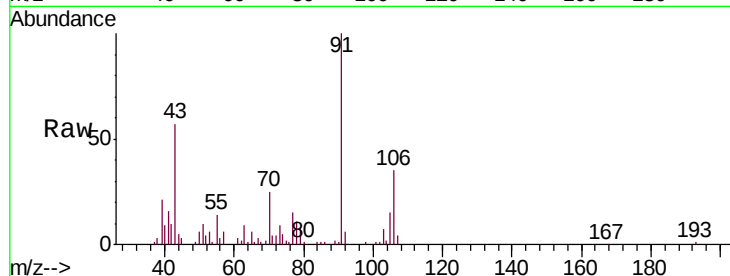
FM-IA

Tgt Ion: 91 Resp: 77331

Ion Ratio Lower Upper

91 100

106 33.9 23.8 35.8



#59

m/p-Xylene

Concen: 0.056 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.01 min

Lab File: VL033193.D

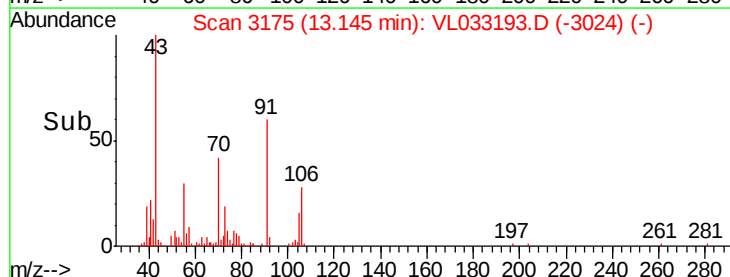
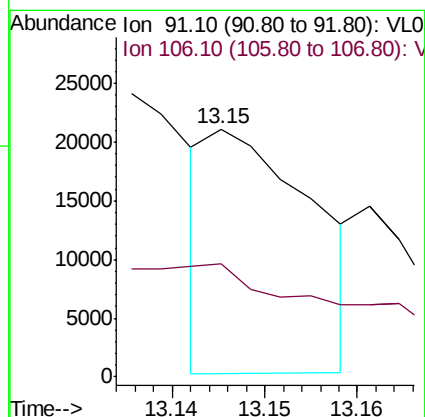
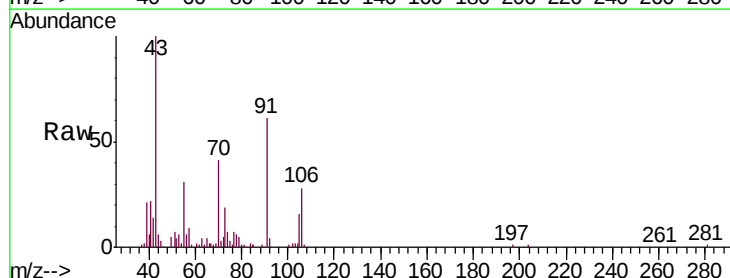
Acq: 13 Feb 2019 19:07

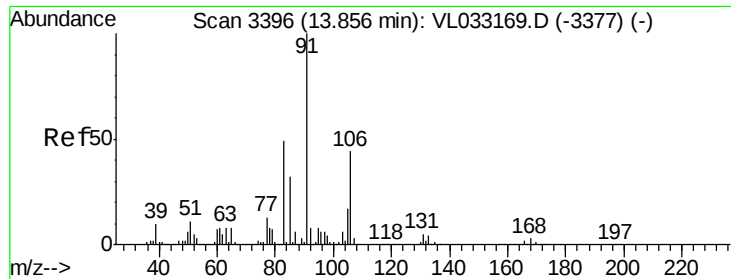
Tgt Ion: 91 Resp: 16296

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0

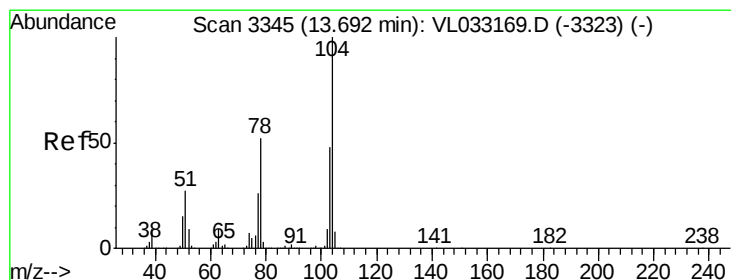
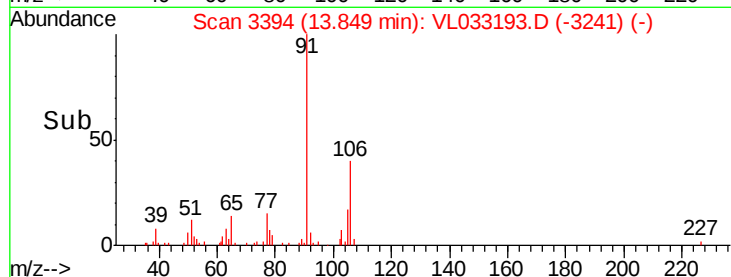
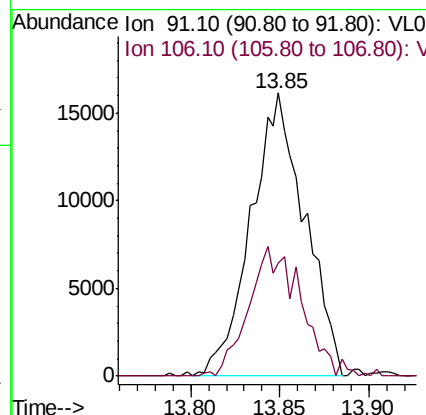
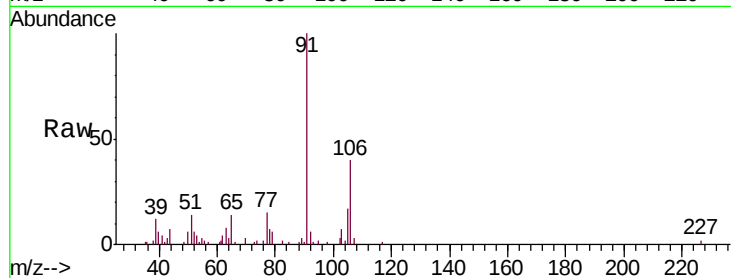




#60
o-Xylene
Concen: 0.121 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

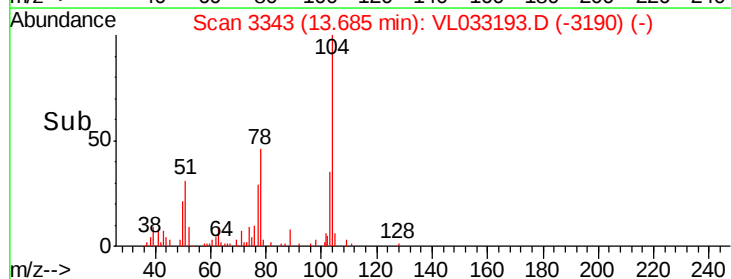
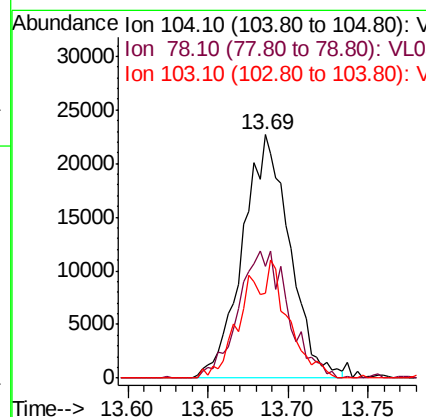
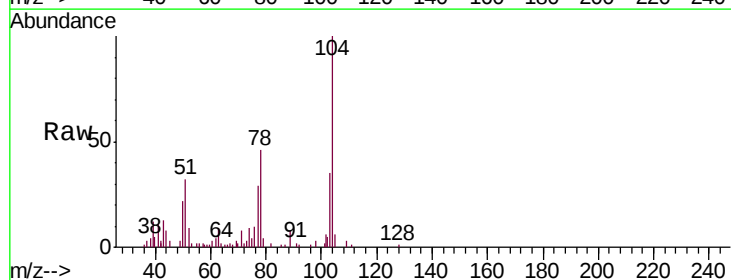
Instrument :
MSVOA_L
ClientSampled :
FM-IA

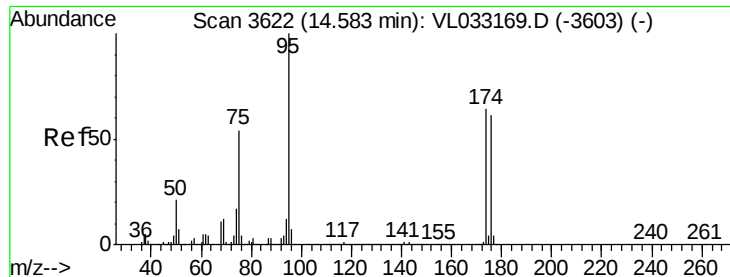
Tgt Ion: 91 Resp: 33960
Ion Ratio Lower Upper
91 100
106 44.8 21.8 65.3



#61
Styrene
Concen: 0.215 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033193.D
Acq: 13 Feb 2019 19:07

Tgt Ion: 104 Resp: 45751
Ion Ratio Lower Upper
104 100
78 55.3 41.9 62.9
103 46.3 37.9 56.9

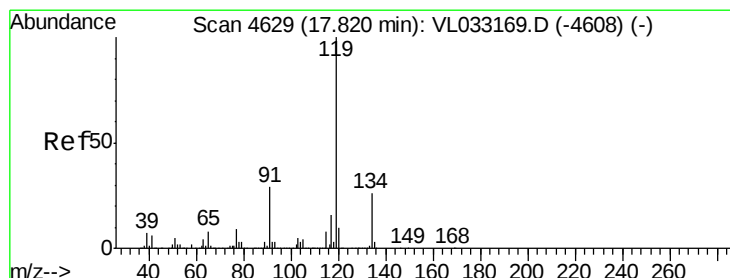
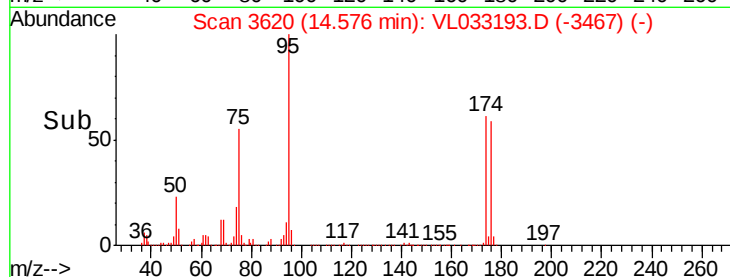
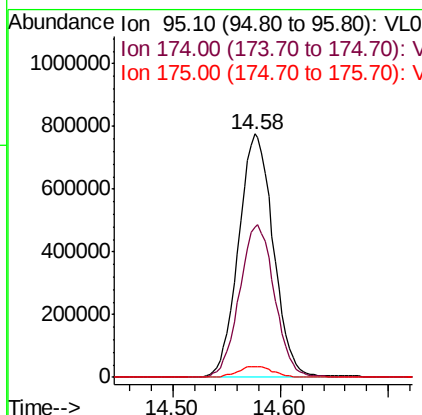
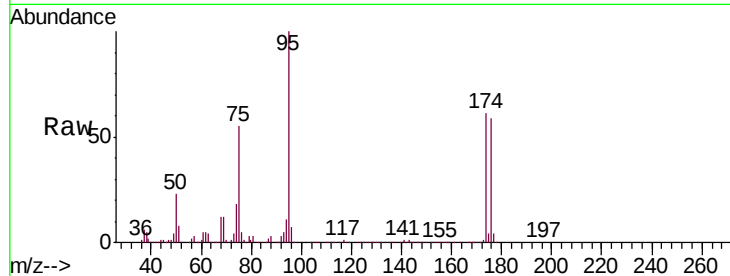




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.566 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

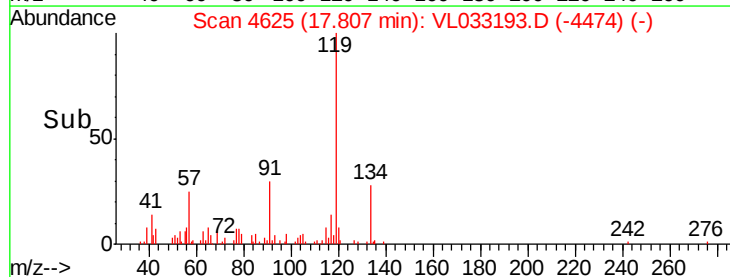
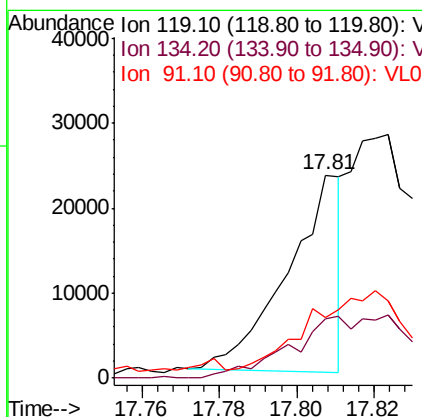
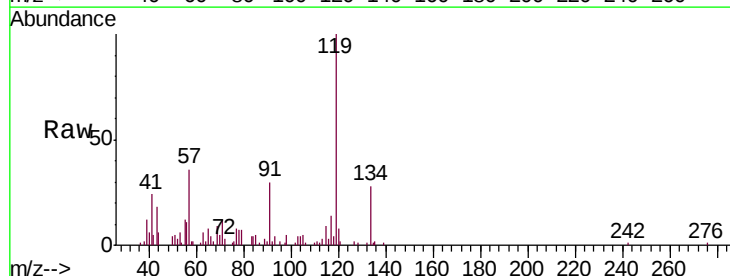
Instrument :
 MSVOA_L
 ClientSampleId :
 FM-IA

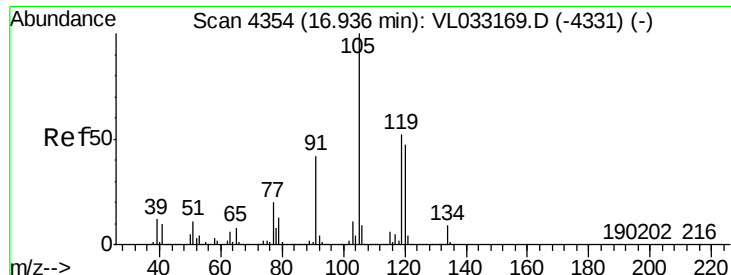
Tgt Ion: 95 Resp: 1744573
 Ion Ratio Lower Upper
 95 100
 174 63.3 51.2 76.8
 175 4.5 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.054 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

Tgt Ion: 119 Resp: 22462
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.4 30.6#
 91 0.0 23.4 35.2#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.068 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL033193.D
 Acq: 13 Feb 2019 19:07

Instrument :
 MSVOA_L
 ClientSampleId :
 FM-IA

Tgt Ion:	105	Resp:	22034
Ion	Ratio	Lower	Upper
105	100		
120	32.7	37.9	56.9#
91	11.7	34.0	51.0#
77	21.2	15.7	23.5

