

Data File : VL032667.D
Acq On : 19 Oct 2018 3:45
Operator : SY/AP
Sample : J5578-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Oct 19 07:56:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1338010	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3427851	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3358916	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2513159 10.05 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.50%

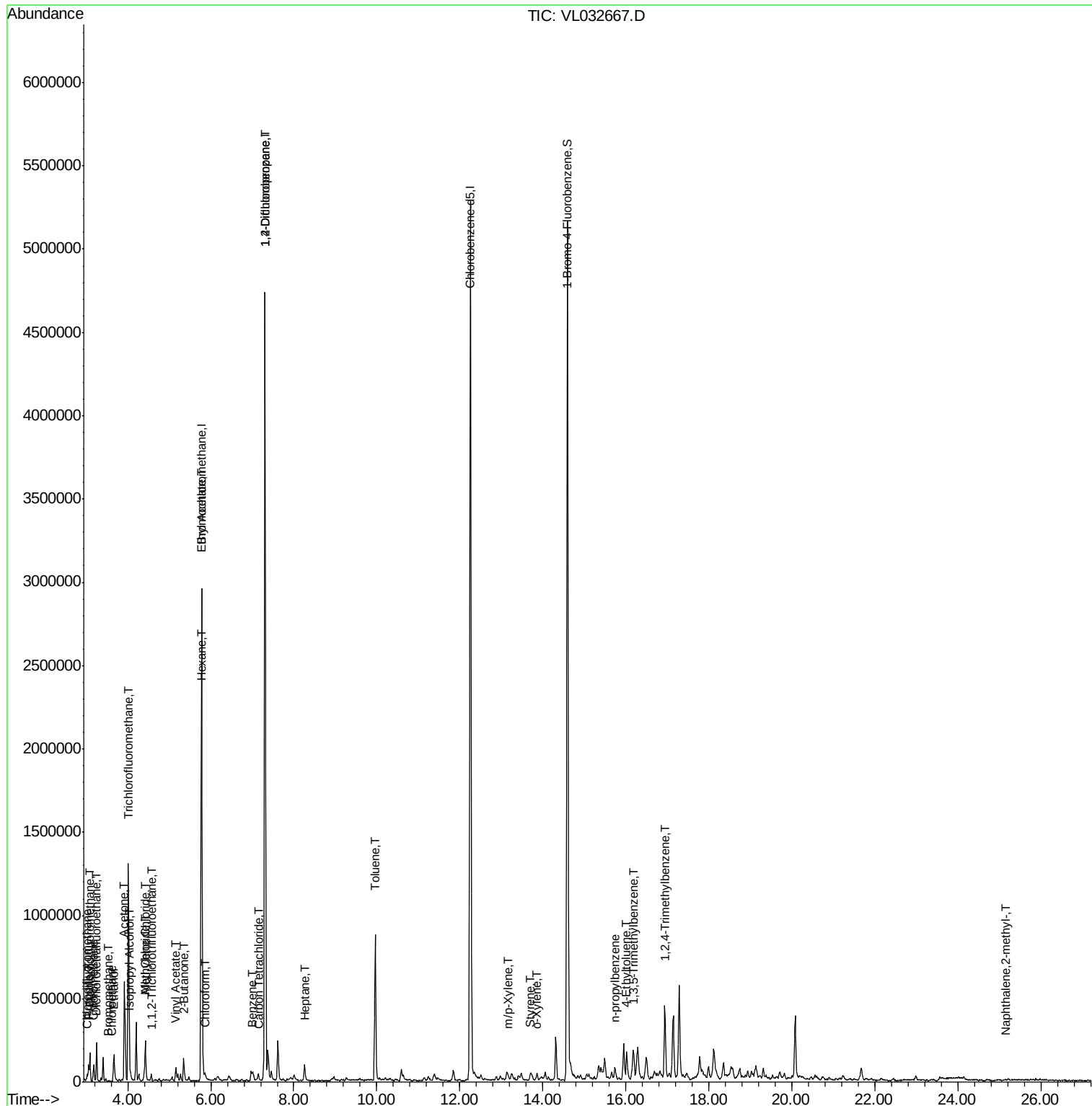
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	120172	0.882	ppbv	98
3) Chlorodifluoromethane	3.03	51	49130	0.470	ppbv #	92
4) Chloromethane	3.18	50	83337	1.425	ppbv	95
6) Bromomethane	3.52	94	953	0.024	ppbv	84
7) Chloroethane	3.61	64	594	0.025	ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	5048	0.035	ppbv	85
9) Propene	3.06	41	13126	0.305	ppbv #	15
10) Heptane	8.26	43	13416	0.081	ppbv #	26
11) Trichlorofluoromethane	4.02	101	849768	4.772	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	9798	0.066	ppbv #	70
13) Ethanol	3.66	45	176665	14.354	ppbv	99
15) Acetone	3.91	43	624832	5.057	ppbv	99
19) Isopropyl Alcohol	4.05	45	70873	0.805	ppbv #	93
20) Methylene Chloride	4.42	84	84464	1.347	ppbv	96
21) Allyl Chloride	4.42	41	2333	0.023	ppbv #	21
23) Vinyl Acetate	5.16	43	70760	0.323	ppbv #	86
25) Ethyl Acetate	5.79	43	115128	0.405	ppbv	97
26) Hexane	5.80	57	72813	0.541	ppbv #	76
29) Chloroform	5.86	83	10043	0.047	ppbv #	82
34) 2-Butanone	5.35	43	72494	0.395	ppbv #	52
35) Carbon Tetrachloride	7.15	117	9306	0.038	ppbv	90
36) Benzene	7.02	78	19316	0.069	ppbv	94
39) 1,2-Dichloropropane	7.31	63	866009	8.057	ppbv #	25
53) Toluene	9.97	91	624768	1.958	ppbv	99
59) m/p-Xylene	13.16	91	8438	0.024	ppbv #	31
60) o-Xylene	13.86	91	14173	0.042	ppbv #	32
61) Styrene	13.69	104	5805	0.026	ppbv #	27
64) n-propylbenzene	15.73	120	3893	0.033	ppbv #	1
72) 4-Ethyltoluene	16.02	105	73945	0.207	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.17	105	70206	0.202	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.94	105	264070	0.711	ppbv #	80
80) Naphthalene,2-methyl-	25.15	142	2004	0.036	ppbv #	69

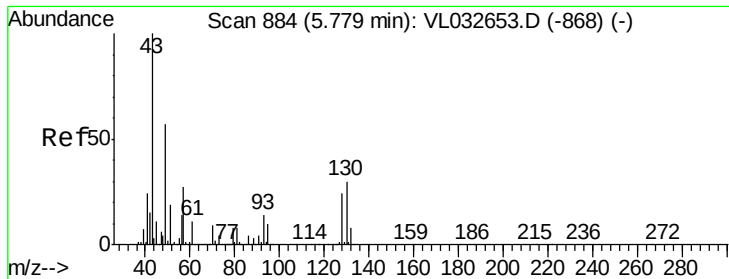
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1

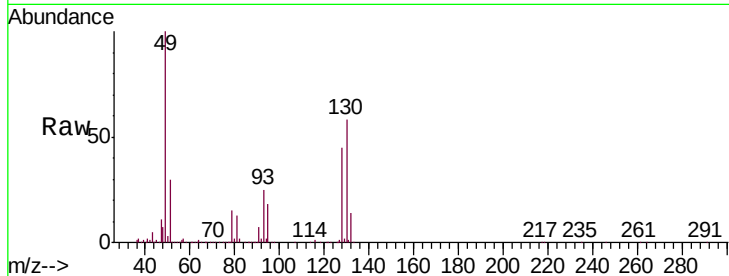
Tgt Ion: 49 Resp: 1338010

Ion Ratio Lower Upper

49 100

128 48.0 22.3 66.8

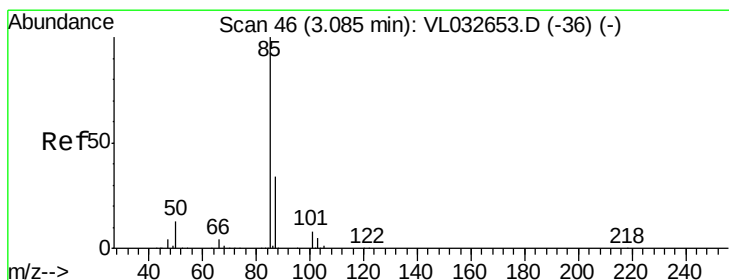
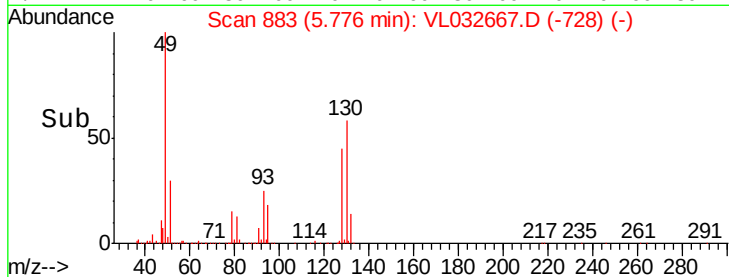
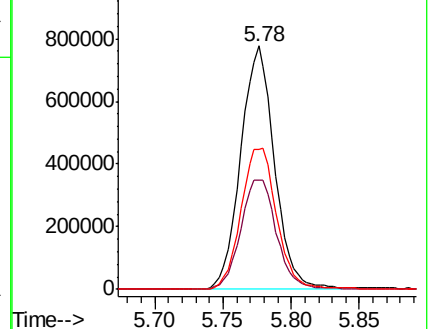
130 61.9 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.882 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032667.D

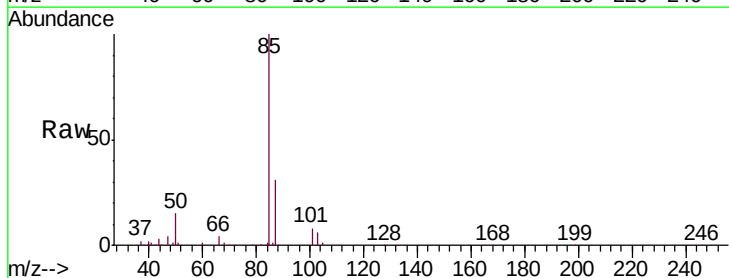
Acq: 19 Oct 2018 3:45

Tgt Ion: 85 Resp: 120172

Ion Ratio Lower Upper

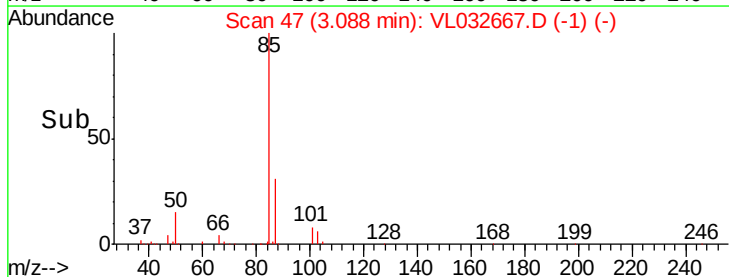
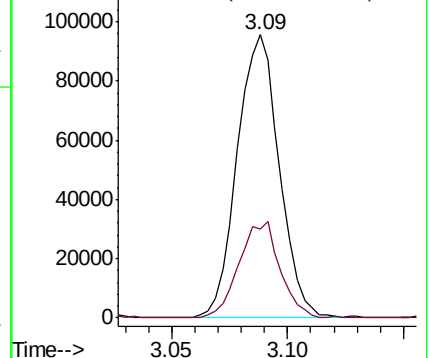
85 100

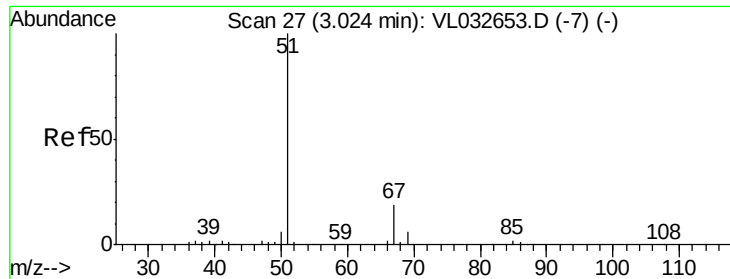
87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.470 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

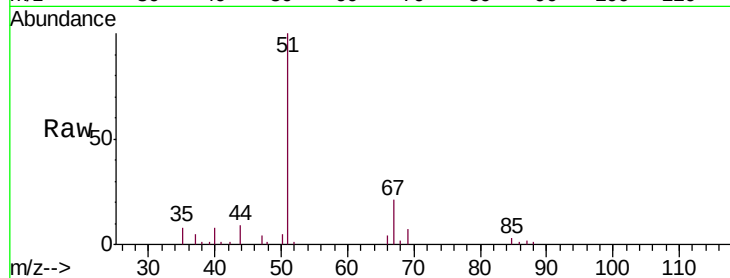
IA-1

Tgt Ion: 51 Resp: 49130

Ion Ratio Lower Upper

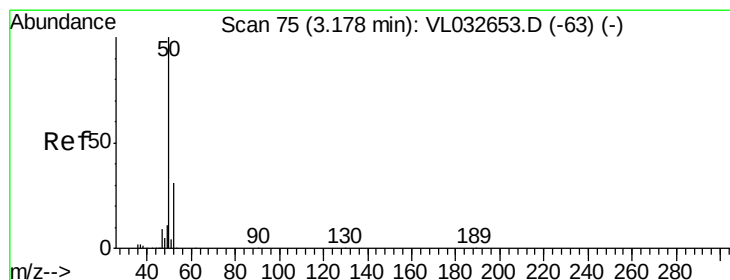
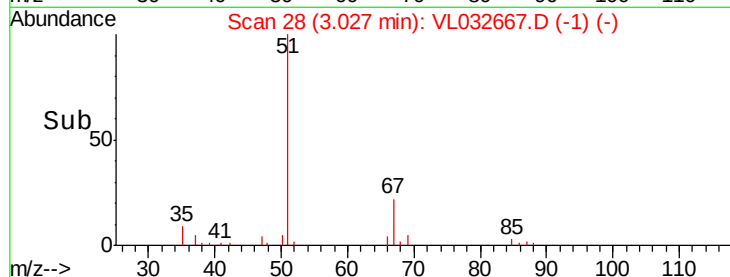
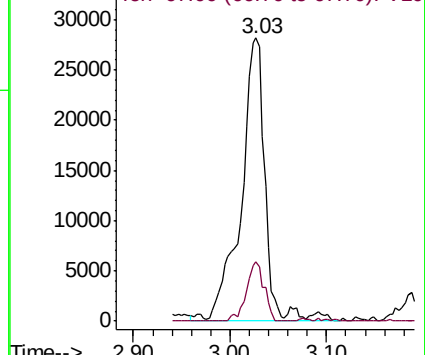
51 100

67 15.2 15.2 22.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.425 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032667.D

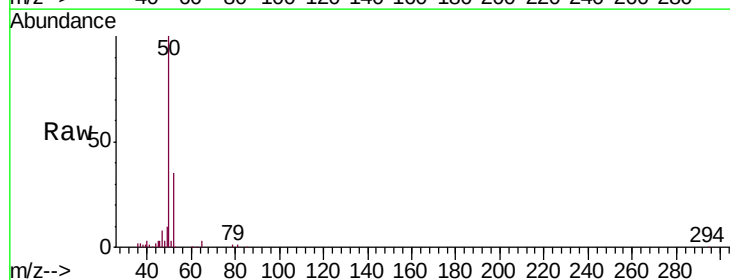
Acq: 19 Oct 2018 3:45

Tgt Ion: 50 Resp: 83337

Ion Ratio Lower Upper

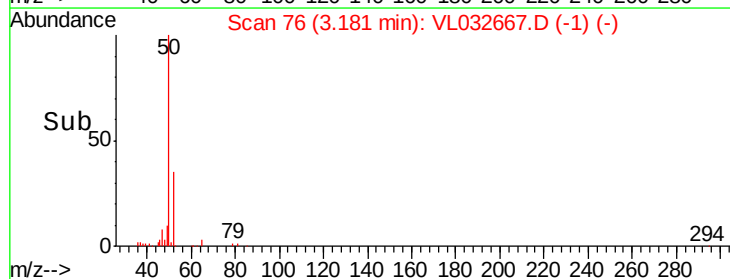
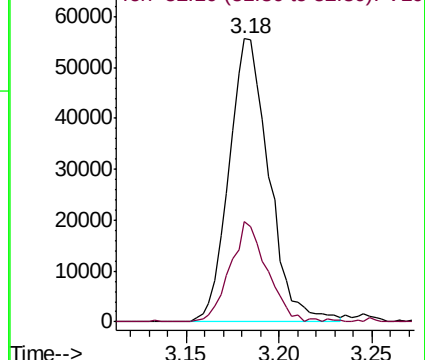
50 100

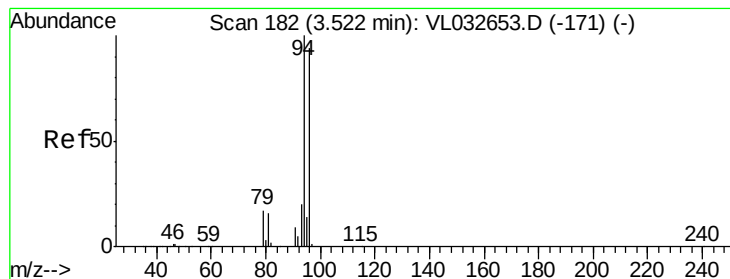
52 35.3 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#6

Bromomethane

Concen: 0.024 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampled :

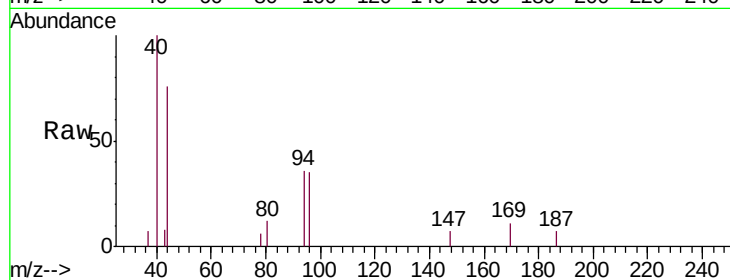
IA-1

Tgt Ion: 94 Resp: 953

Ion Ratio Lower Upper

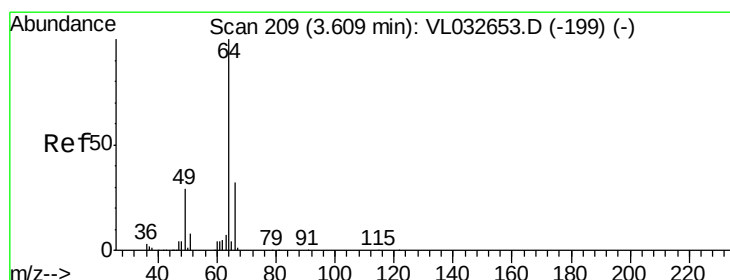
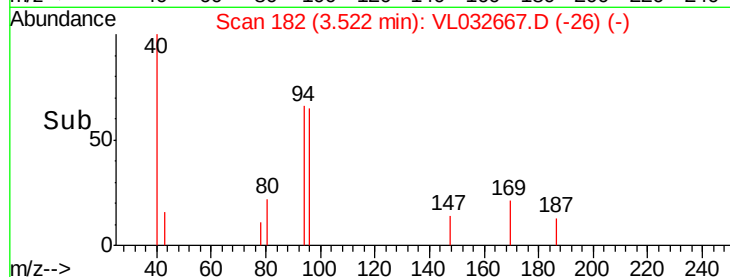
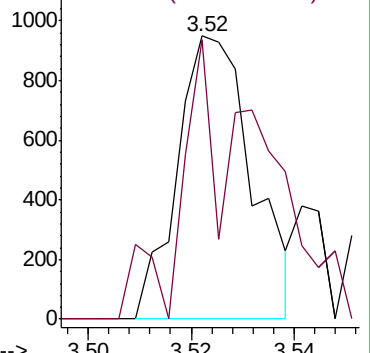
94 100

96 72.5 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#7

Chloroethane

Concen: 0.025 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032667.D

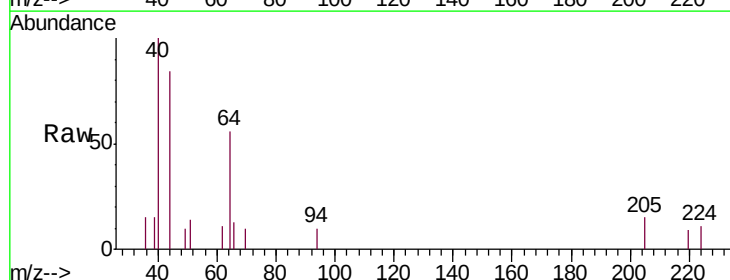
Acq: 19 Oct 2018 3:45

Tgt Ion: 64 Resp: 594

Ion Ratio Lower Upper

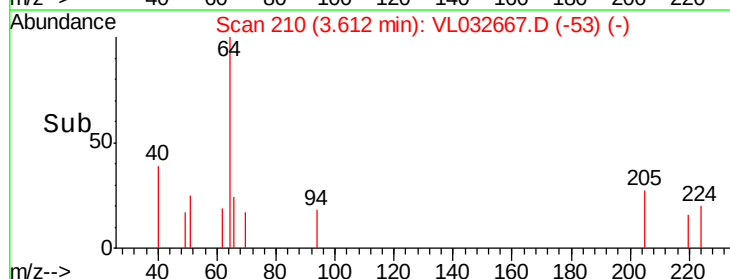
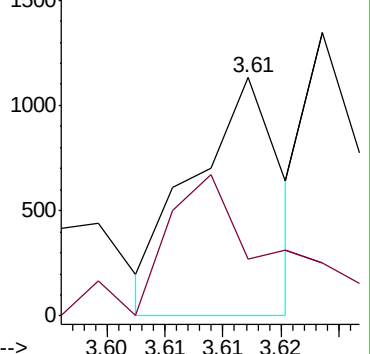
64 100

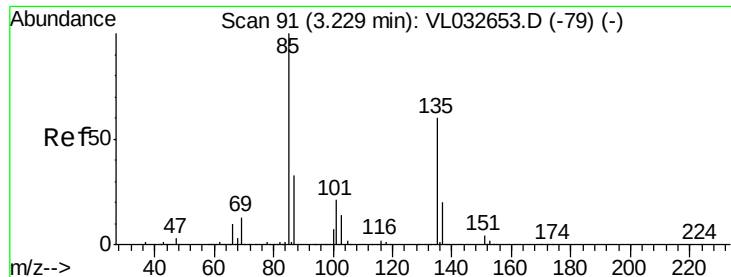
66 23.9 24.4 36.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.035 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

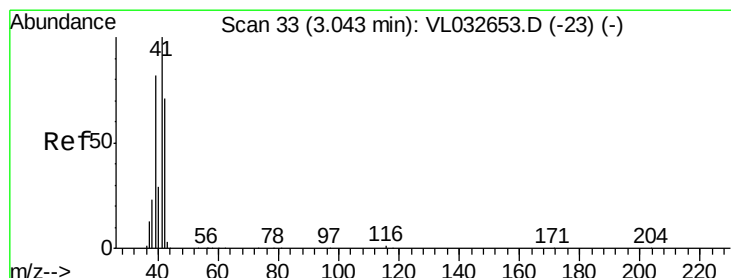
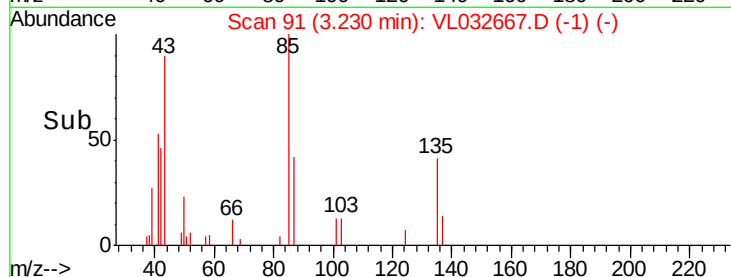
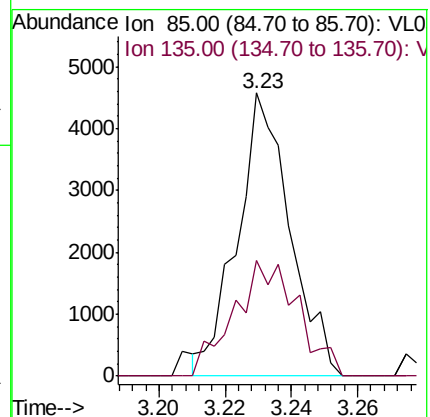
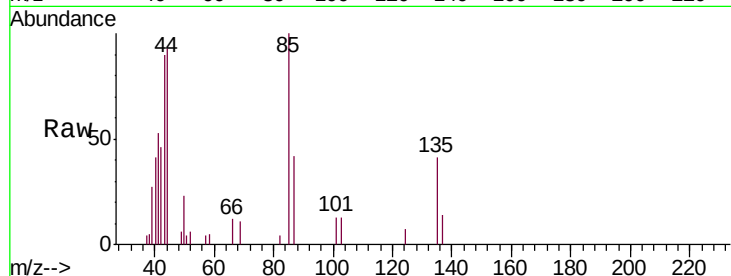
IA-1

Tgt Ion: 85.00 Resp: 5048

Ion Ratio Lower Upper

85 100

135 49.4 49.0 73.4



#9

Propene

Concen: 0.305 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032667.D

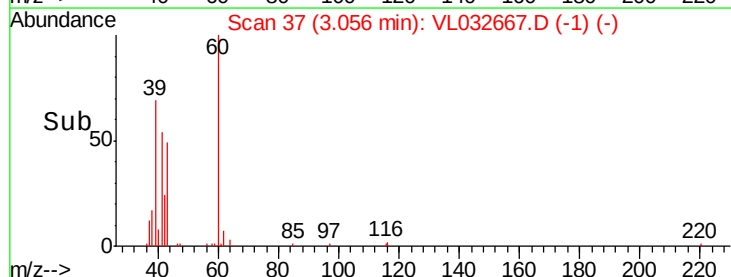
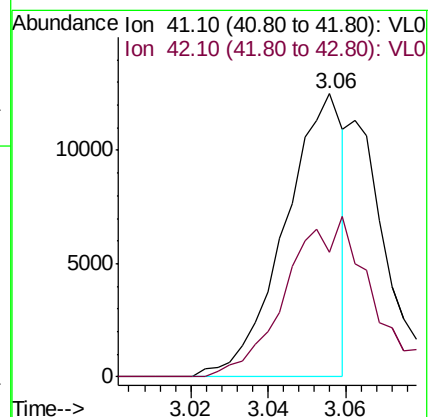
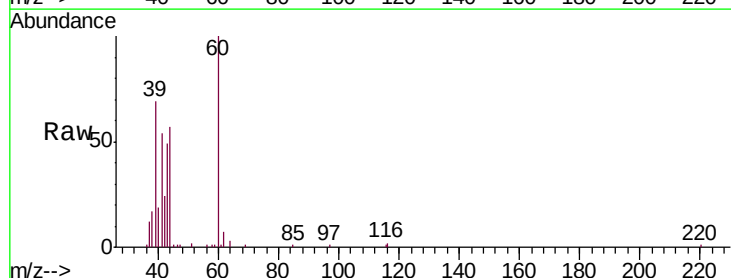
Acq: 19 Oct 2018 3:45

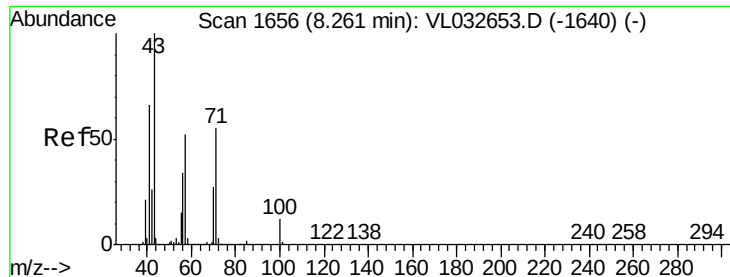
Tgt Ion: 41 Resp: 13126

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.0#





#10

Heptane

Concen: 0.081 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

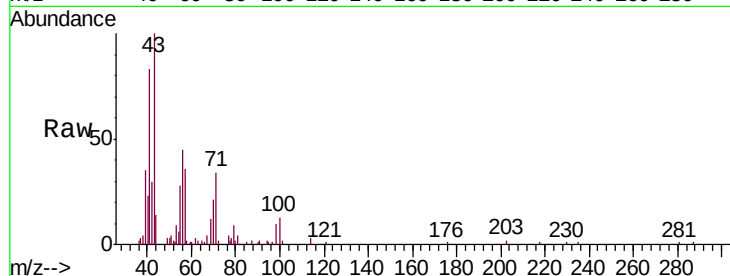
IA-1

Tgt Ion: 43 Resp: 13416

Ion Ratio Lower Upper

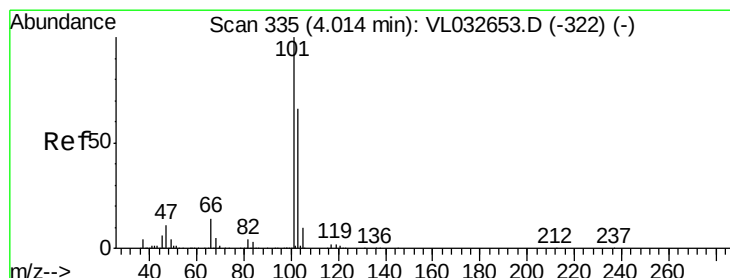
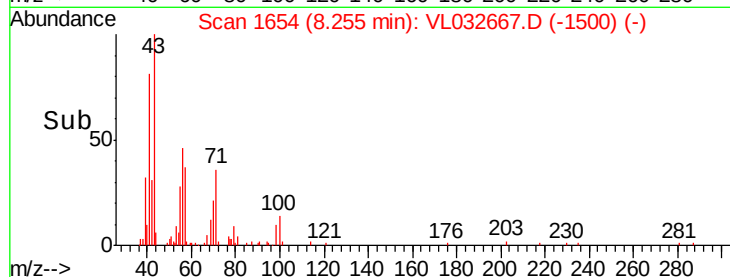
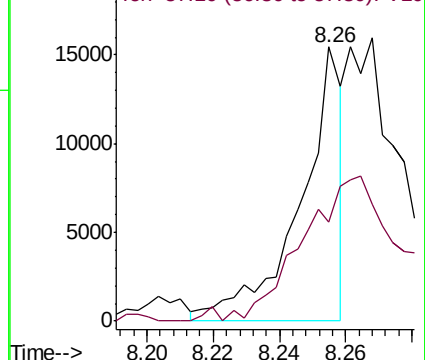
43 100

57 0.0 41.5 62.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 4.772 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL032667.D

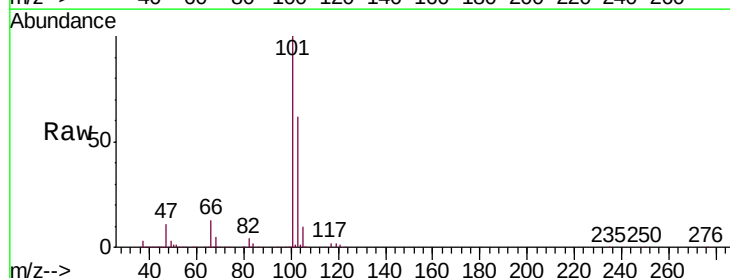
Acq: 19 Oct 2018 3:45

Tgt Ion: 101 Resp: 849768

Ion Ratio Lower Upper

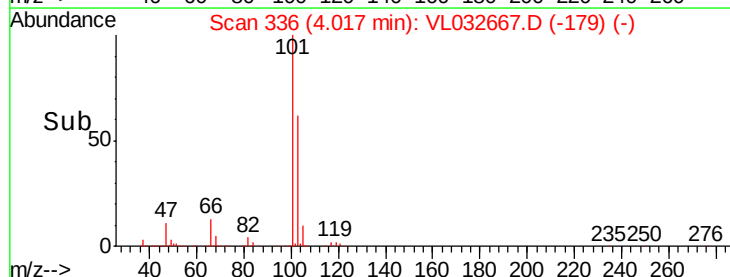
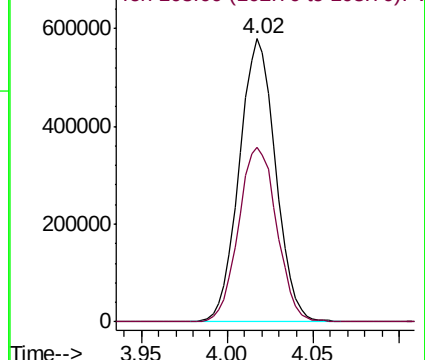
101 100

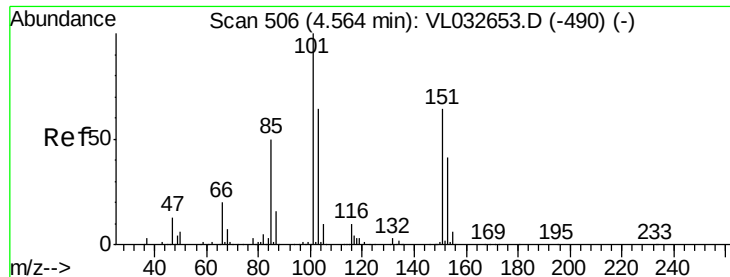
103 61.5 51.4 77.2



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: 0.066 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

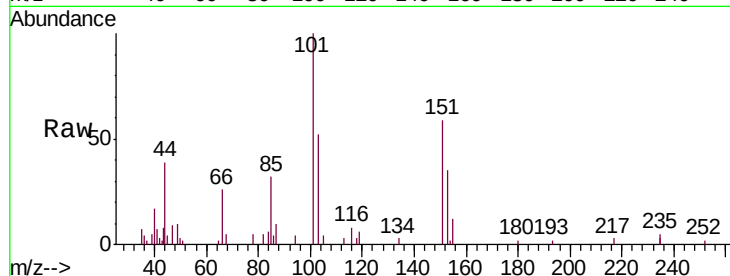
IA-1

Tgt Ion:101 Resp: 9798

Ion Ratio Lower Upper

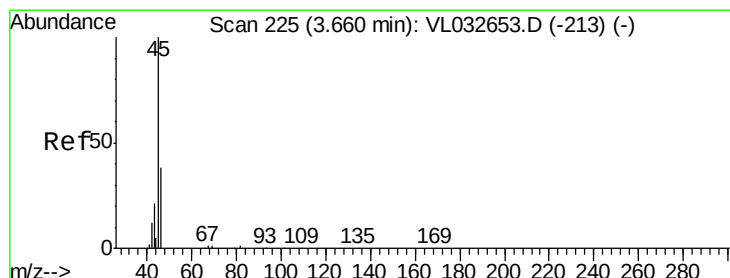
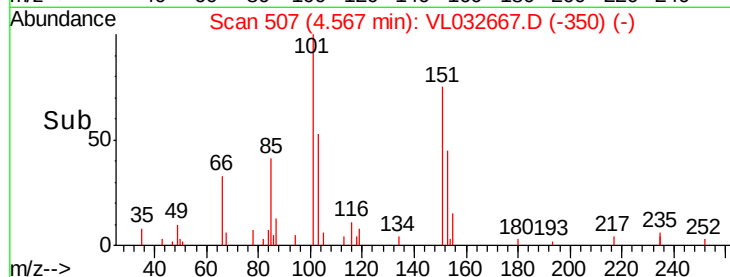
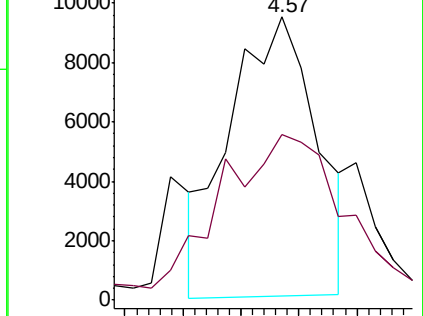
101 100

151 88.8 52.3 78.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 14.354 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032667.D

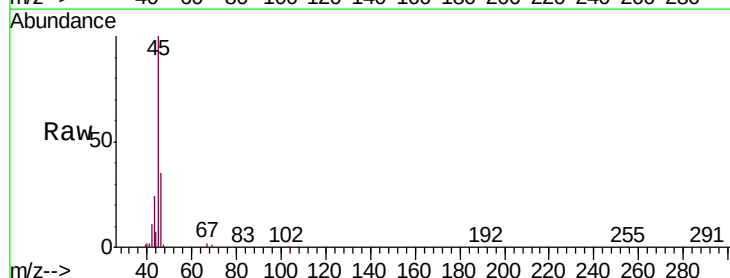
Acq: 19 Oct 2018 3:45

Tgt Ion: 45 Resp: 176665

Ion Ratio Lower Upper

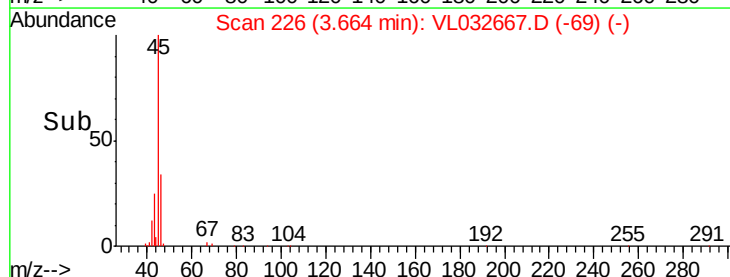
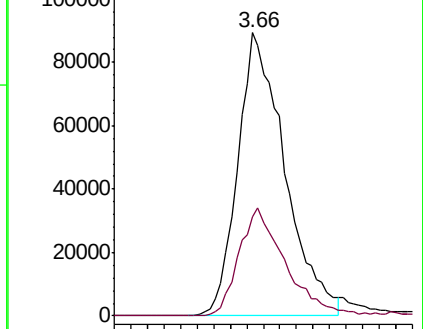
45 100

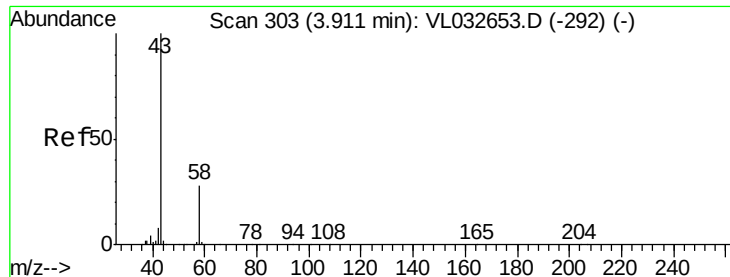
46 38.2 15.4 61.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 5.057 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

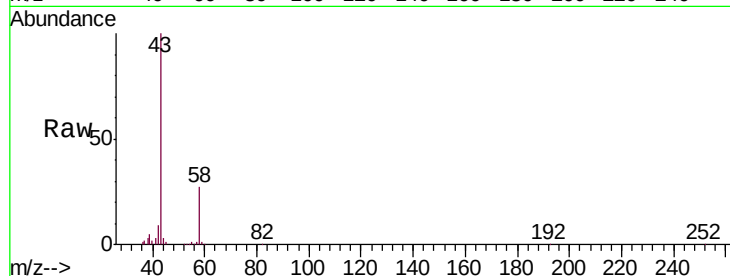
IA-1

Tgt Ion: 43 Resp: 624832

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

400000

300000

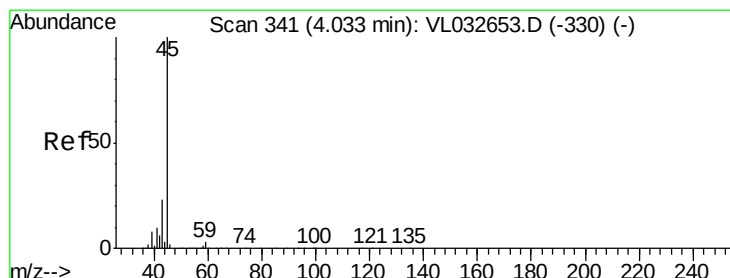
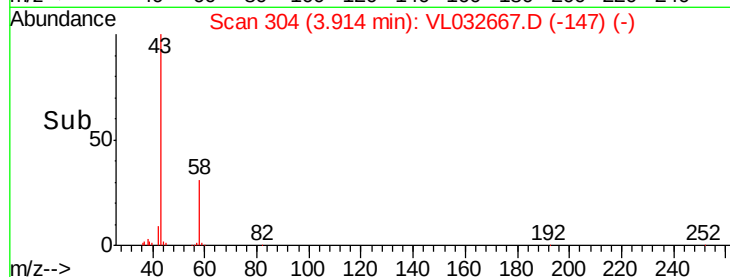
200000

100000

0

Time-->

3.85 3.90 3.95 4.00



#19

Isopropyl Alcohol

Concen: 0.805 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.02 min

Lab File: VL032667.D

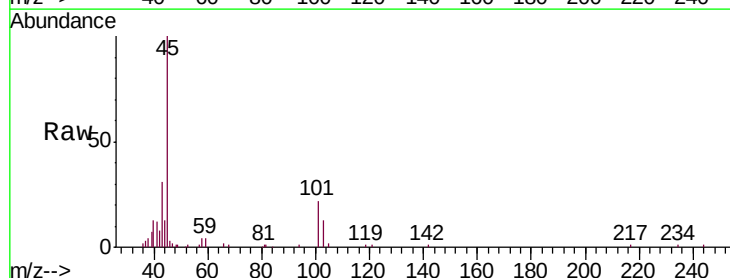
Acq: 19 Oct 2018 3:45

Tgt Ion: 45 Resp: 70873

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.05

40000

30000

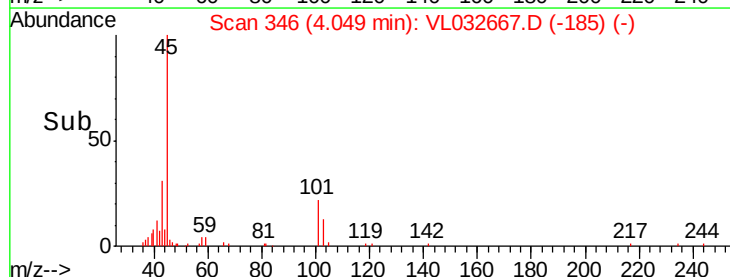
20000

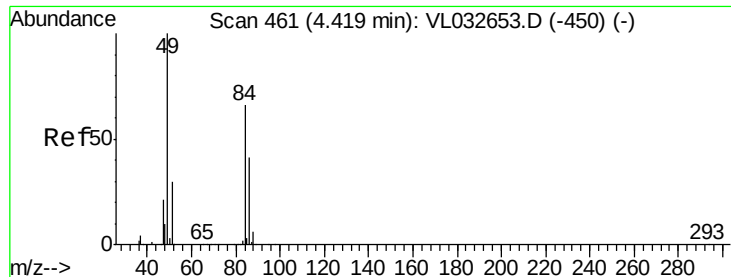
10000

0

Time-->

4.00 4.05 4.10 4.15

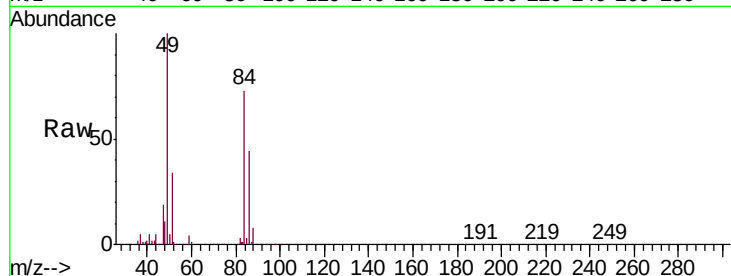




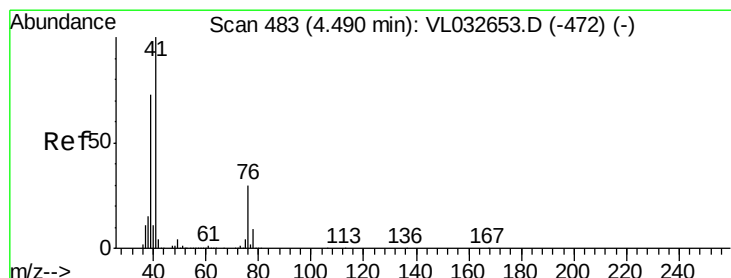
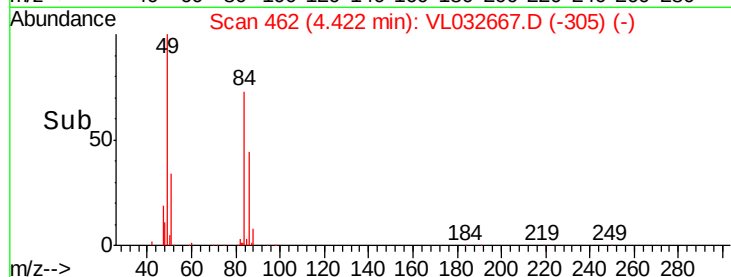
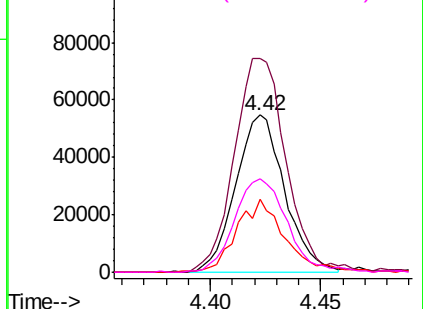
#20
Methylene Chloride
Concen: 1.347 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 84464
Ion Ratio Lower Upper
84 100
49 135.8 113.5 170.3
51 45.2 34.8 52.2
86 59.4 47.9 71.9

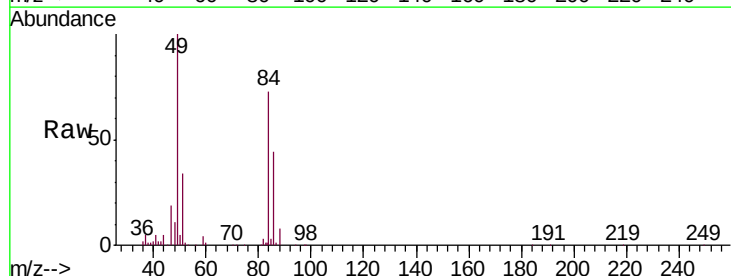


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

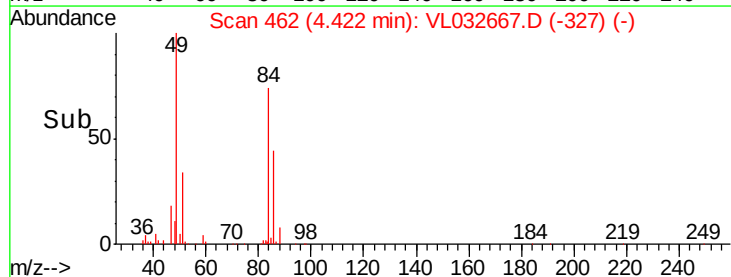
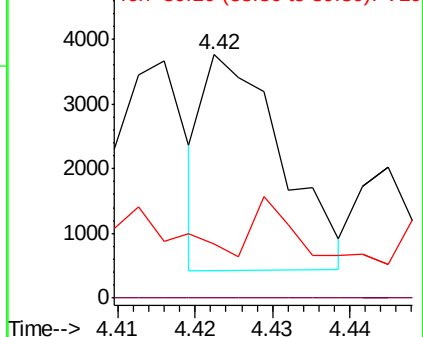


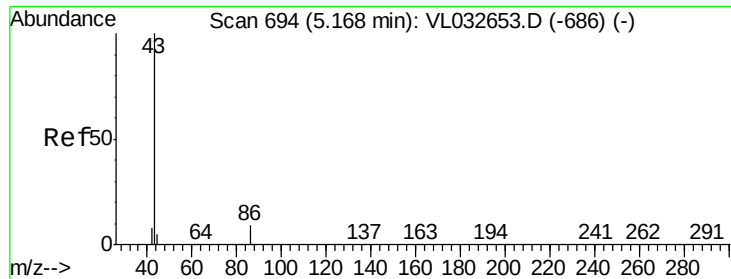
#21
Allyl Chloride
Concen: 0.023 ppbv
RT: 4.42 min Scan# 462
Delta R.T. -0.07 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 41 Resp: 2333
Ion Ratio Lower Upper
41 100
76 0.0 24.3 36.5#
39 0.0 60.3 90.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

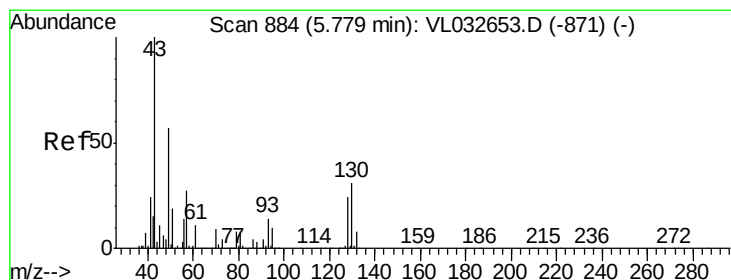
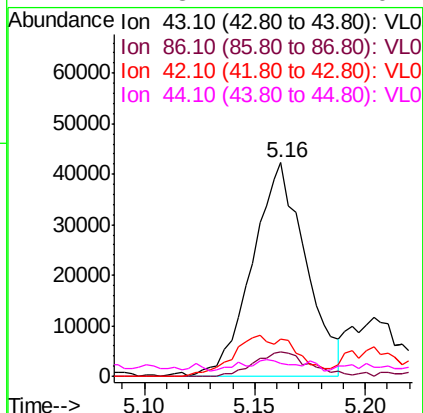
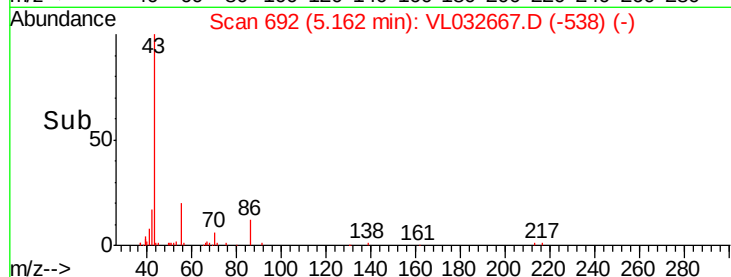
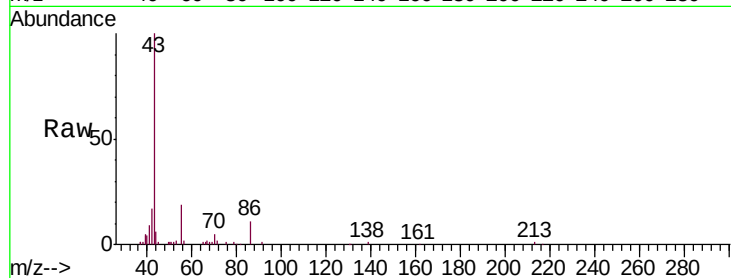




#23
 Vinyl Acetate
 Concen: 0.323 ppbv
 RT: 5.16 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: VL032667.D
 Acq: 19 Oct 2018 3:45

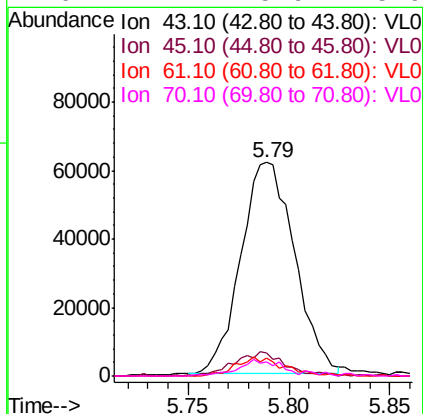
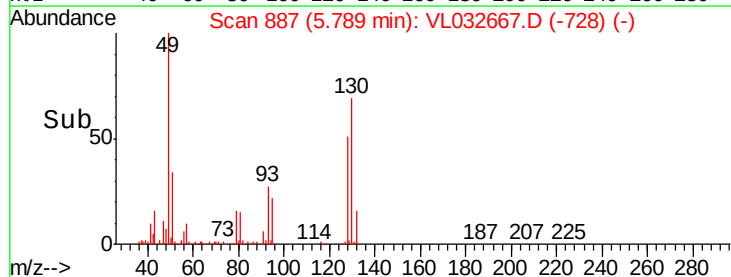
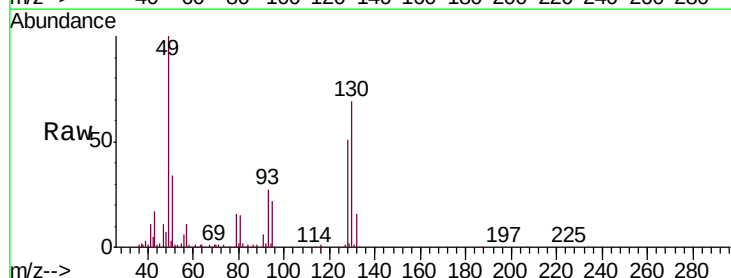
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

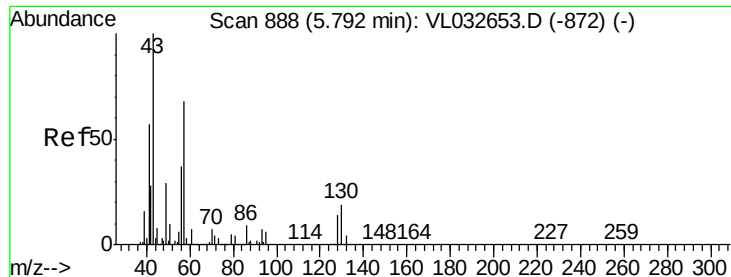
Tgt Ion:	43	Resp:	70760
Ion	Ratio	Lower	Upper
43	100		
86	11.4	6.1	9.1#
42	16.4	7.4	11.2#
44	2.3	4.2	6.2#



#25
 Ethyl Acetate
 Concen: 0.405 ppbv
 RT: 5.79 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VL032667.D
 Acq: 19 Oct 2018 3:45

Tgt Ion:	43	Resp:	115128
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.0	12.0
61	8.3	8.0	12.0
70	7.1	5.9	8.9

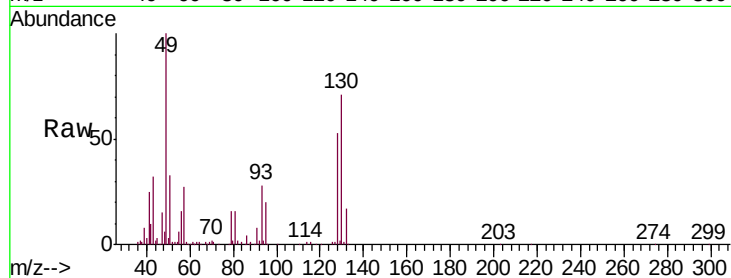




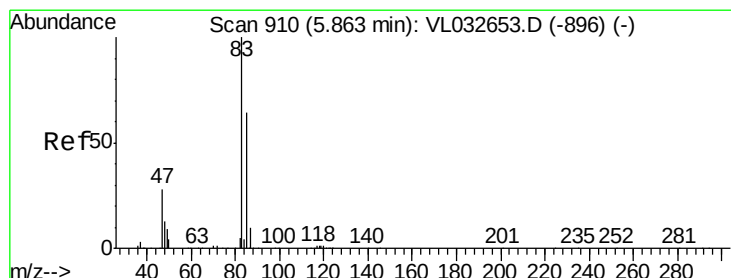
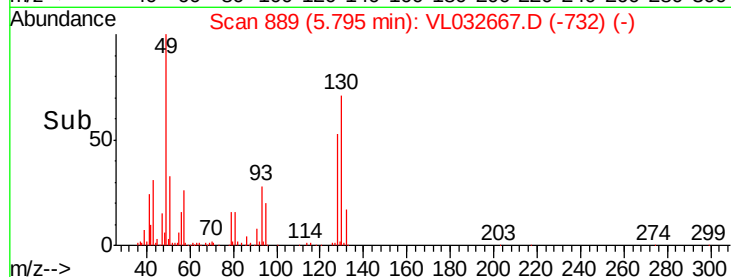
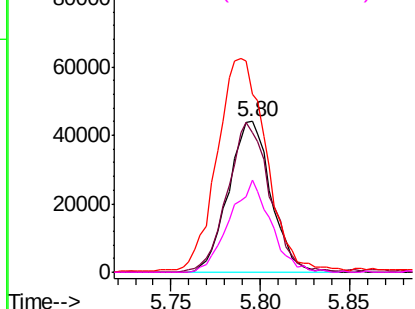
#26
Hexane
Concen: 0.541 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 57 Resp: 72813
Ion Ratio Lower Upper
57 100
41 99.6 67.4 101.0
43 167.8 171.9 257.9#
56 59.4 42.6 63.8

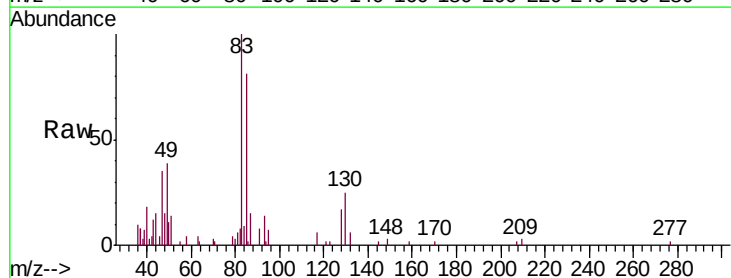


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

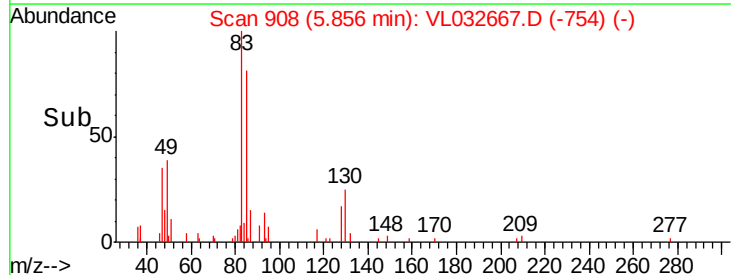
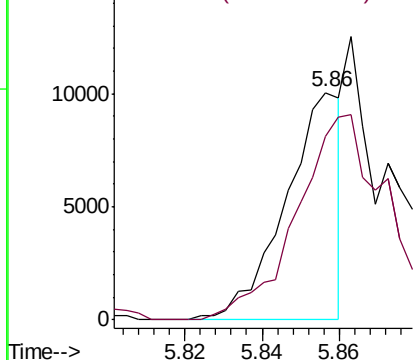


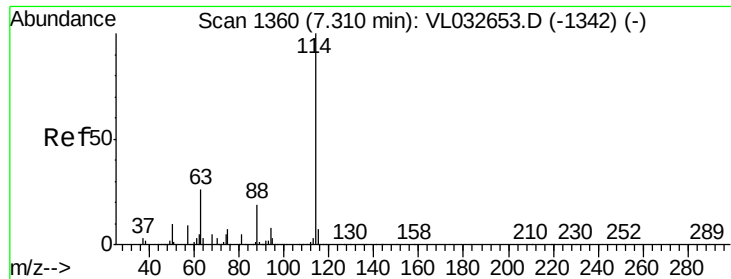
#29
Chloroform
Concen: 0.047 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 83 Resp: 10043
Ion Ratio Lower Upper
83 100
85 80.6 53.0 79.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

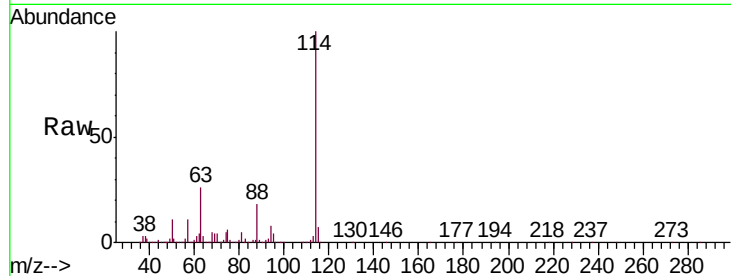




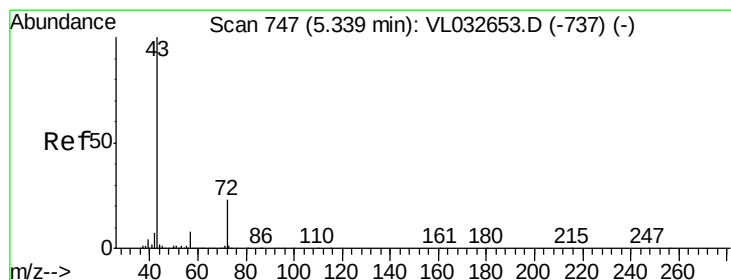
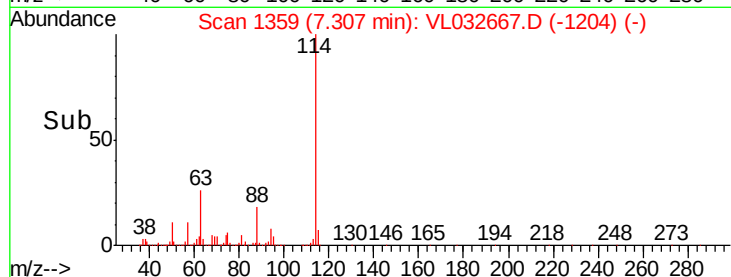
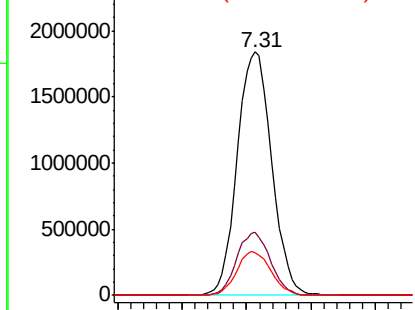
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL032667.D
 Acq: 19 Oct 2018 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Tgt Ion:114 Resp: 3427851
 Ion Ratio Lower Upper
 114 100
 63 25.4 21.7 32.5
 88 17.8 14.9 22.3

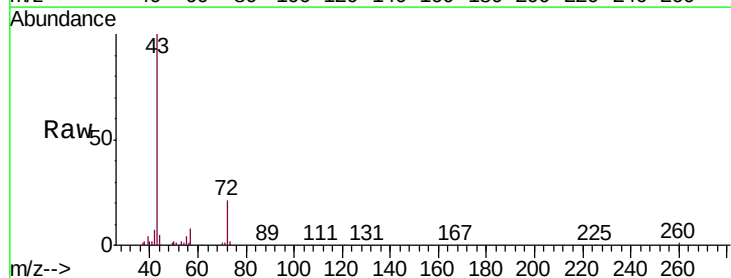


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

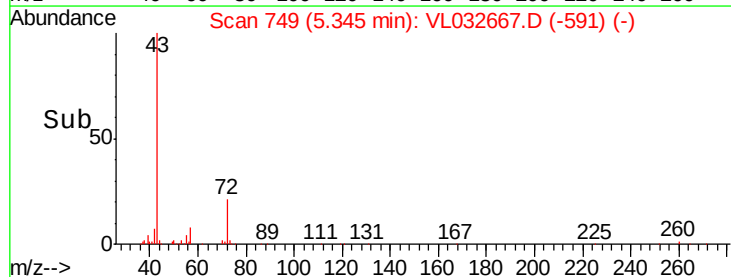
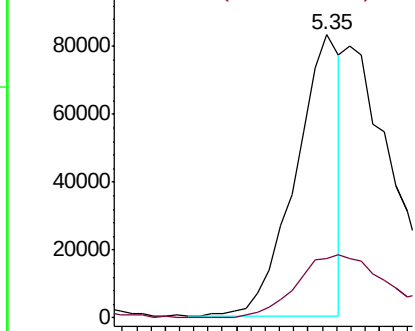


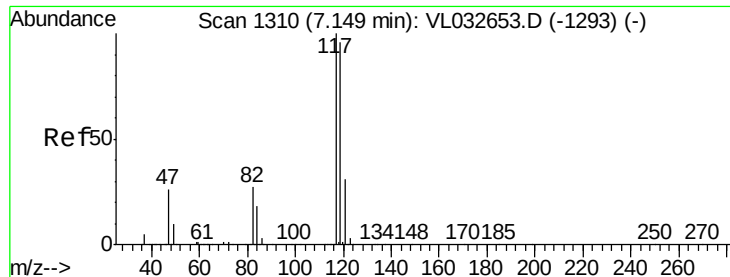
#34
 2-Butanone
 Concen: 0.395 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032667.D
 Acq: 19 Oct 2018 3:45

Tgt Ion: 43 Resp: 72494
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



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





#35

Carbon Tetrachloride

Concen: 0.038 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1

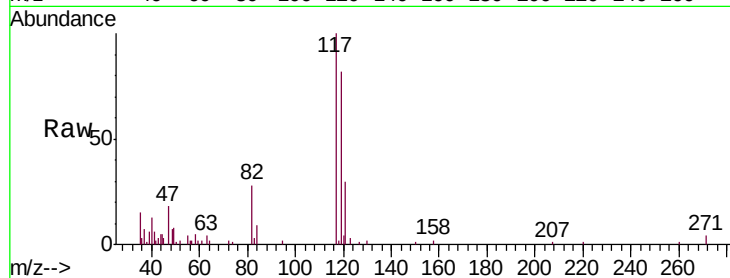
Tgt Ion: 117 Resp: 9306

Ion Ratio Lower Upper

117 100

119 82.5 75.7 113.5

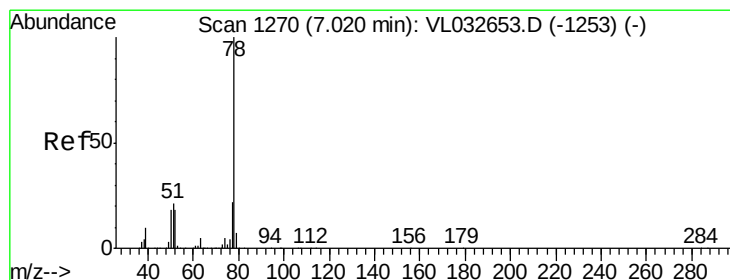
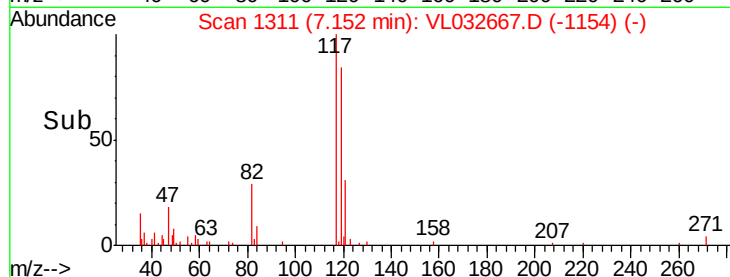
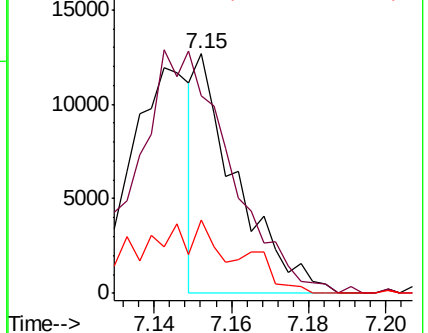
121 30.4 24.7 37.1



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: 0.069 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

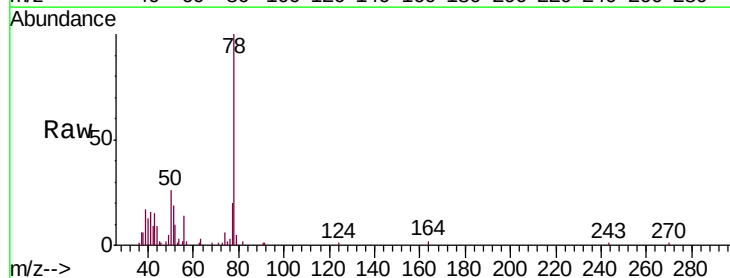
Tgt Ion: 78 Resp: 19316

Ion Ratio Lower Upper

78 100

77 18.6 18.1 27.1

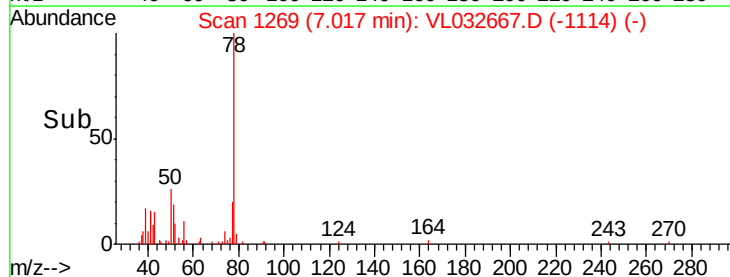
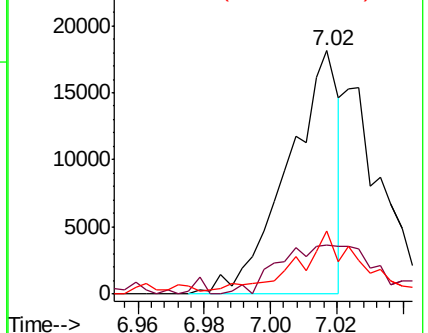
50 19.9 15.1 22.7

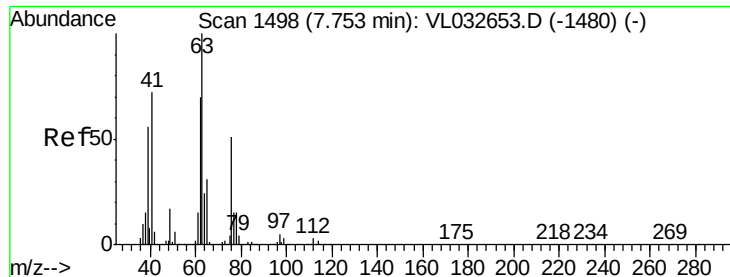


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.057 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1

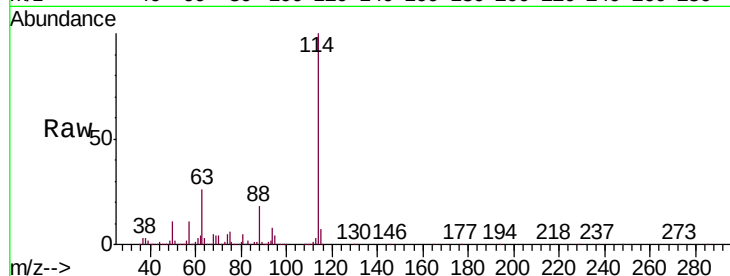
Tgt Ion: 63 Resp: 866009

Ion Ratio Lower Upper

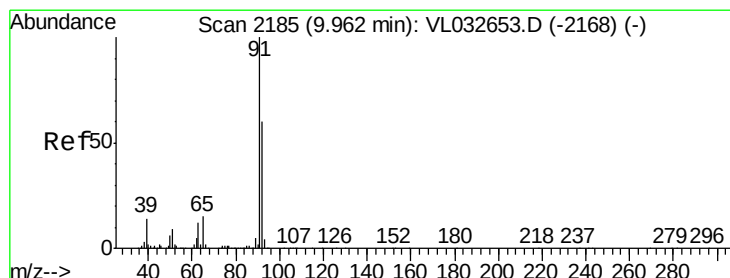
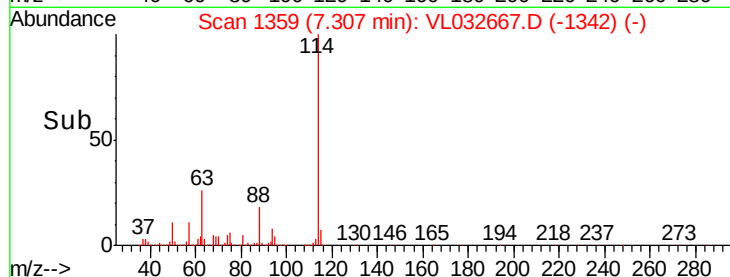
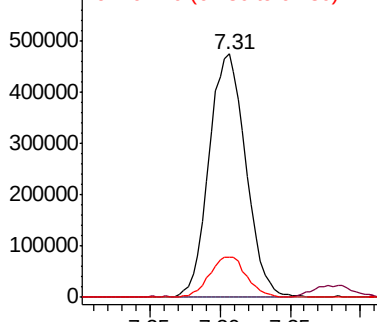
63 100

41 0.0 56.2 84.4#

62 16.6 54.4 81.6#



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



#53

Toluene

Concen: 1.958 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032667.D

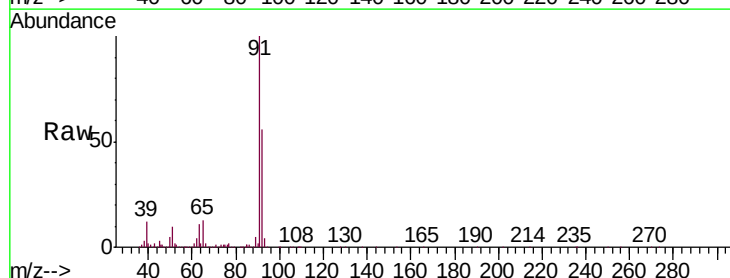
Acq: 19 Oct 2018 3:45

Tgt Ion: 91 Resp: 624768

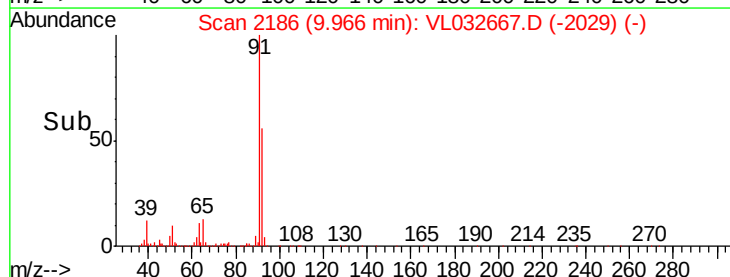
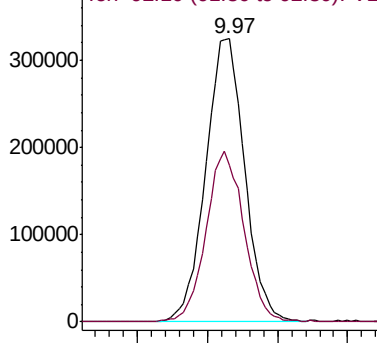
Ion Ratio Lower Upper

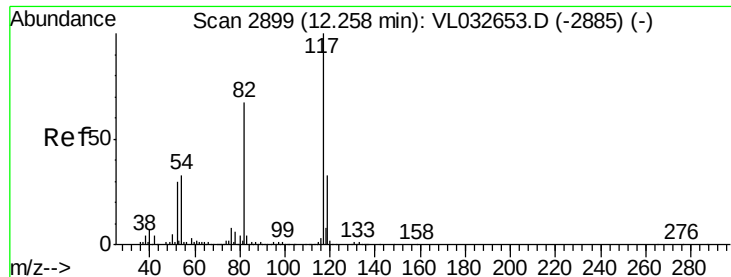
91 100

92 59.4 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

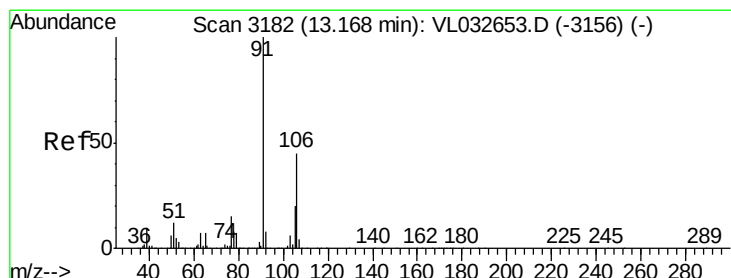
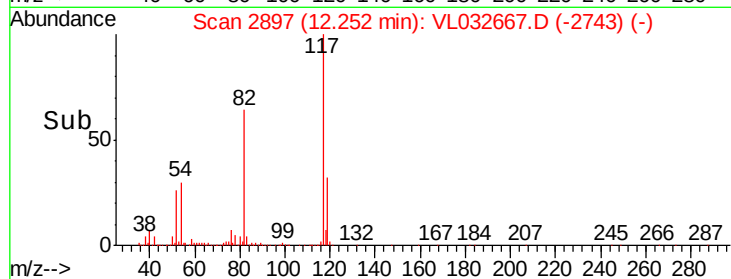
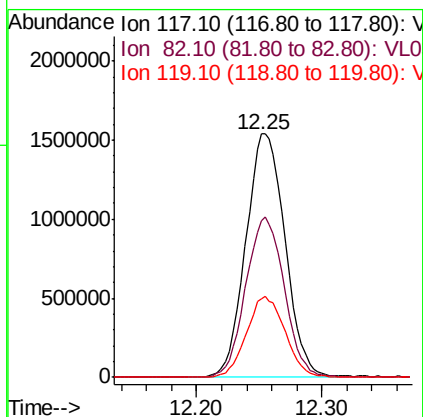
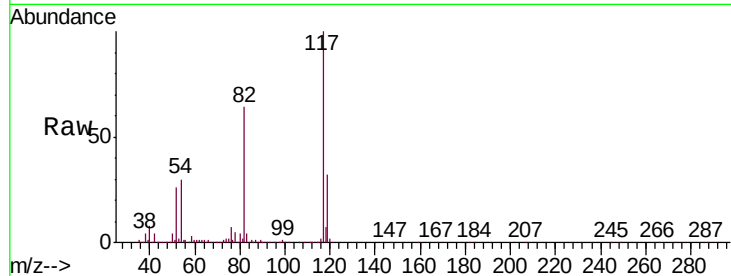




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

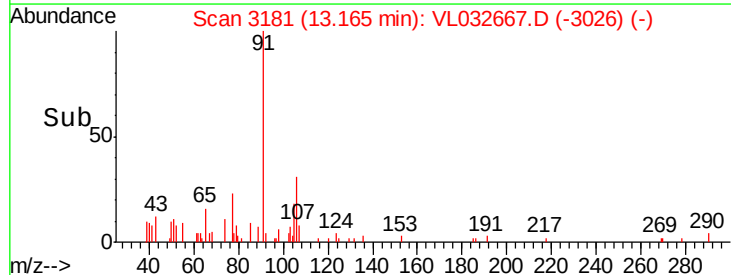
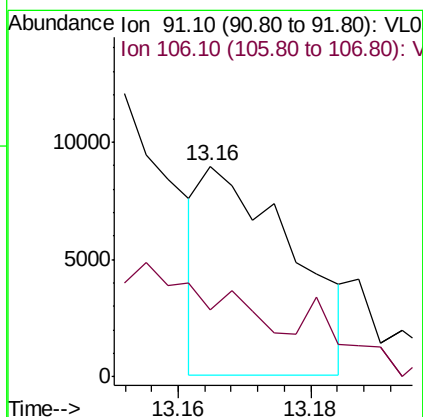
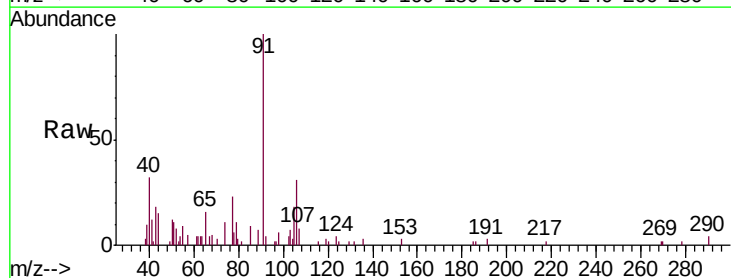
Instrument :
MSVOA_L
ClientSampleId :
IA-1

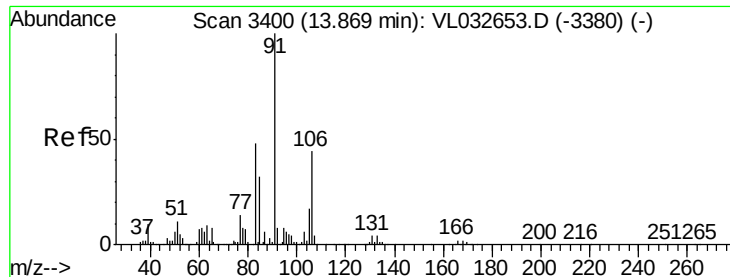
Tgt Ion:117 Resp: 3358916
Ion Ratio Lower Upper
117 100
82 64.5 52.7 79.1
119 32.8 26.7 40.1



#59
m/p-Xylene
Concen: 0.024 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032667.D
Acq: 19 Oct 2018 3:45

Tgt Ion: 91 Resp: 8438
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





#60

o-Xylene

Concen: 0.042 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

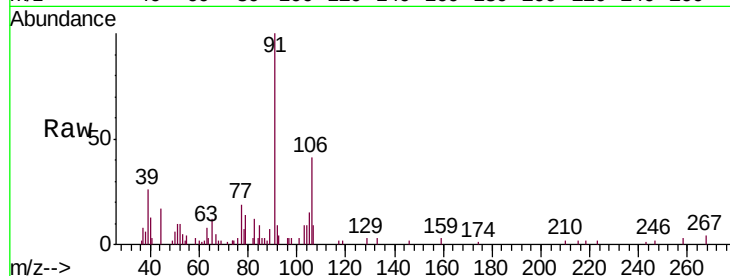
IA-1

Tgt Ion: 91 Resp: 14173

Ion Ratio Lower Upper

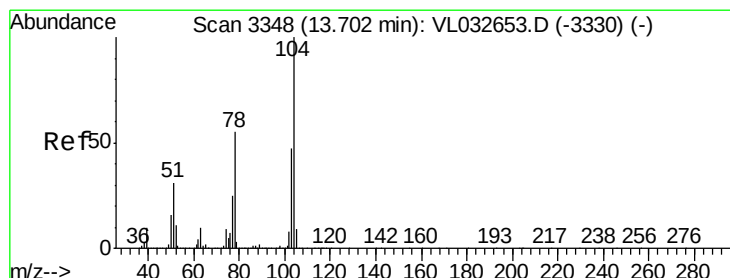
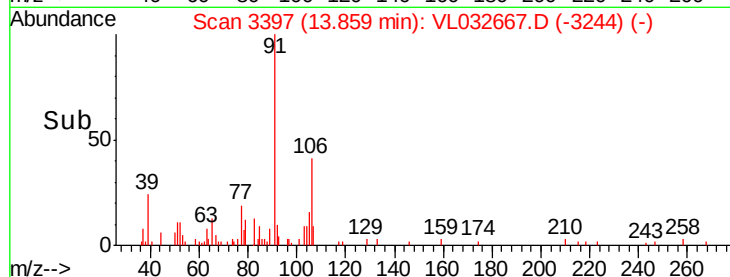
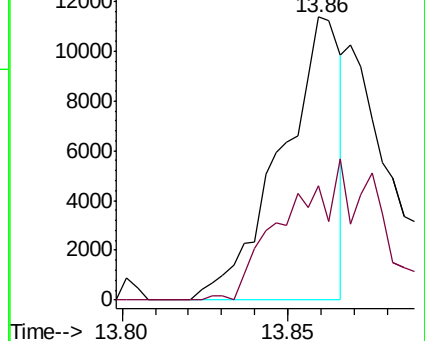
91 100

106 0.0 22.1 66.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.026 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.01 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

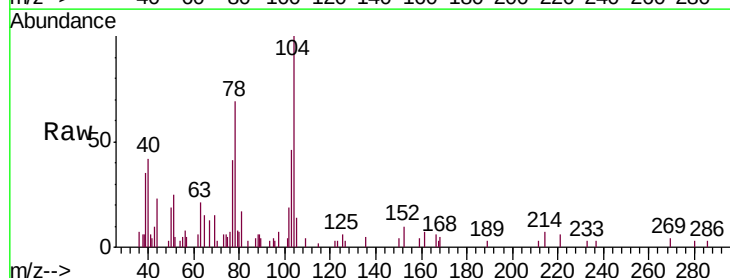
Tgt Ion: 104 Resp: 5805

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

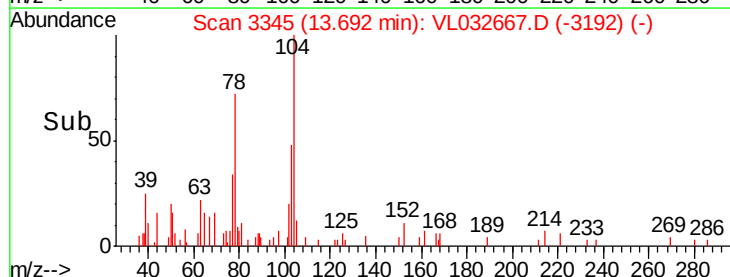
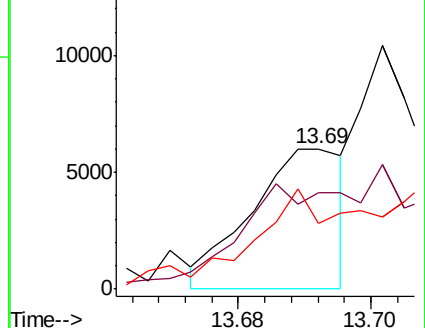
103 0.0 37.4 56.0#

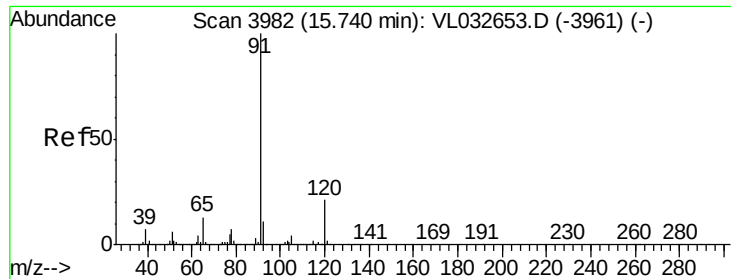


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#64

n-propylbenzene

Concen: 0.033 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

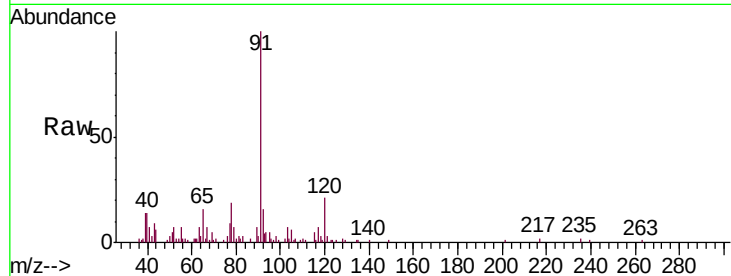
IA-1

Tgt Ion:120 Resp: 3893

Ion Ratio Lower Upper

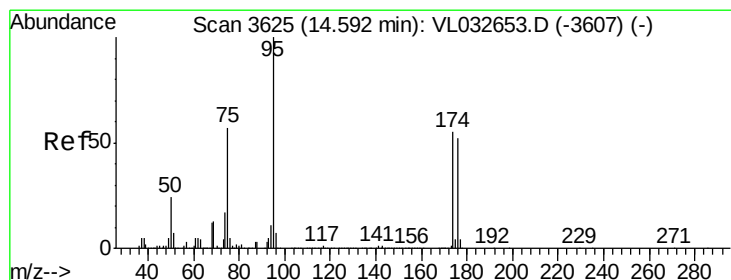
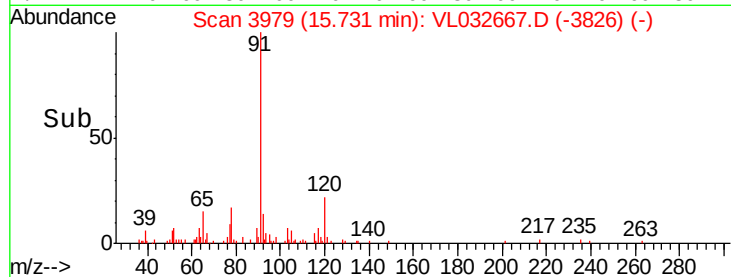
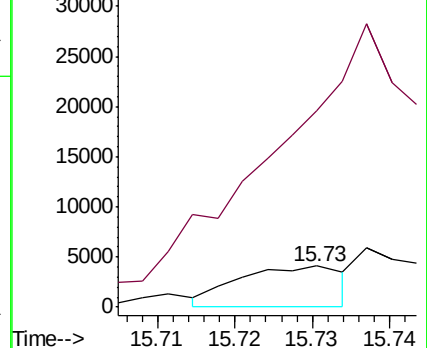
120 100

91 0.0 390.2 585.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.049 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

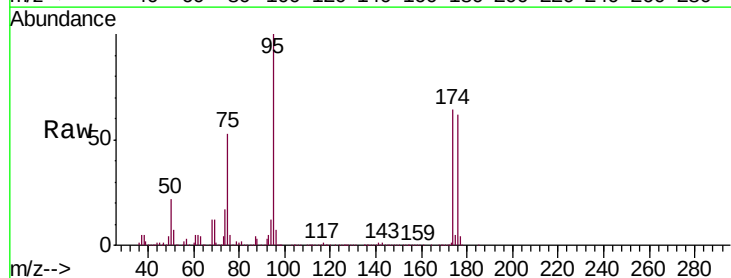
Tgt Ion: 95 Resp: 2513159

Ion Ratio Lower Upper

95 100

174 64.3 46.0 69.0

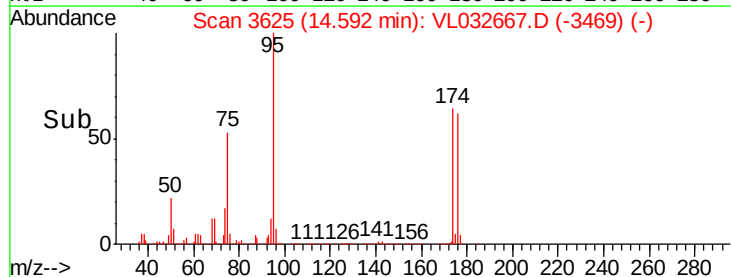
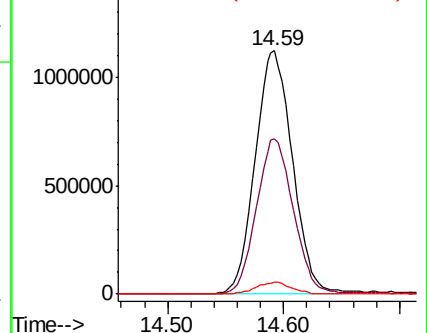
175 4.7 3.4 5.0

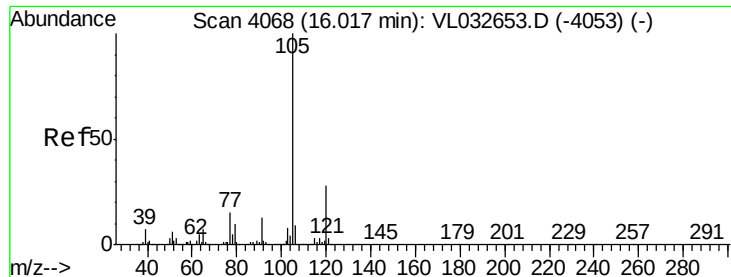


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.207 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion:105 Resp: 73945

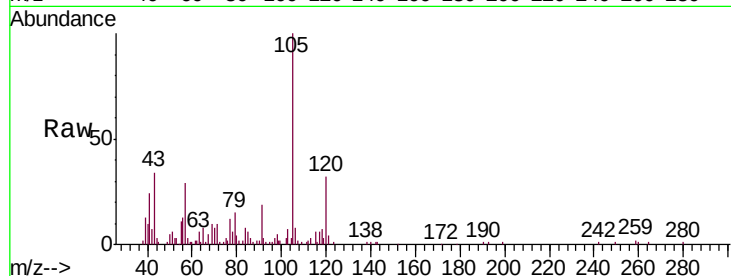
Ion Ratio Lower Upper

105 100

120 30.4 23.7 35.5

91 19.5 10.4 15.6#

77 18.3 11.4 17.2#

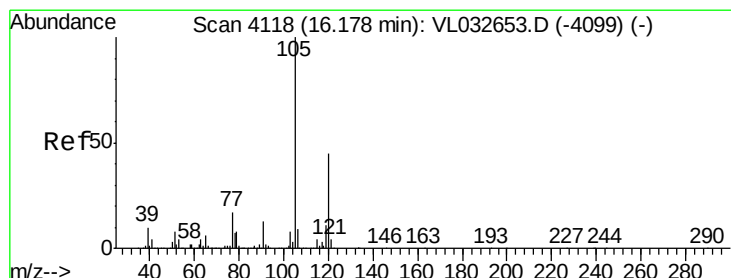
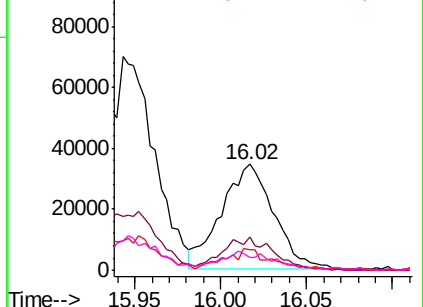
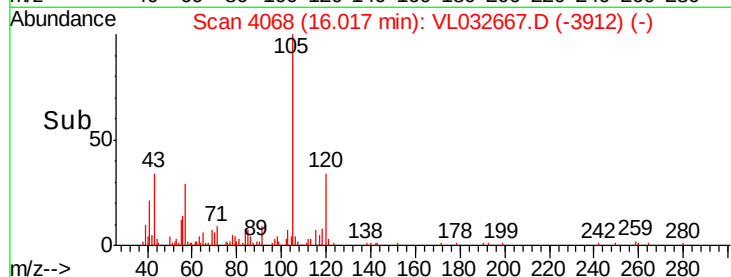


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.202 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL032667.D

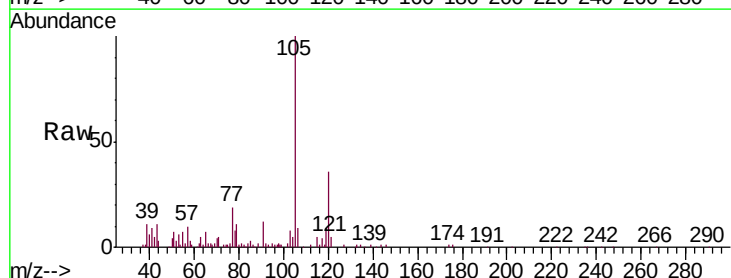
Acq: 19 Oct 2018 3:45

Tgt Ion:105 Resp: 70206

Ion Ratio Lower Upper

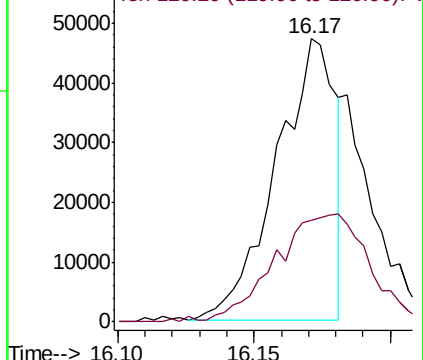
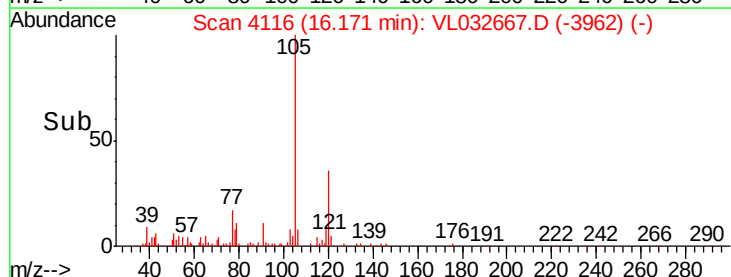
105 100

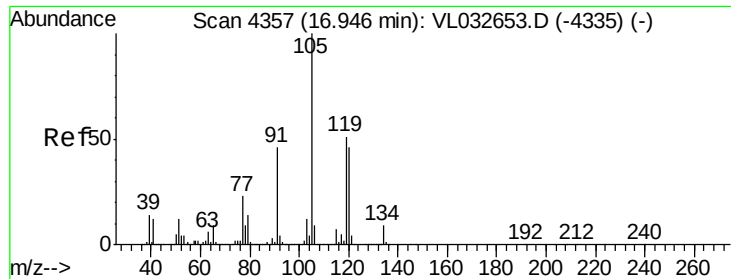
120 34.1 35.4 53.2#



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: 0.711 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

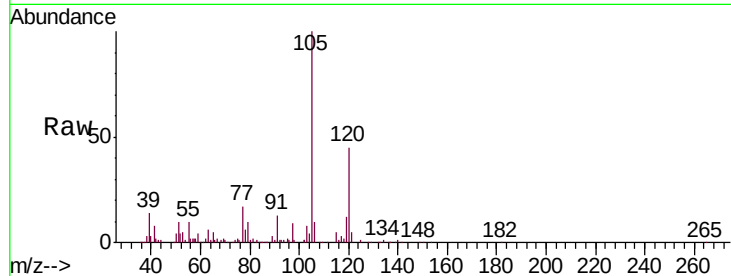
Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion:	105	Resp:	264070
Ion	Ratio	Lower	Upper
105	100		
120	44.5	35.8	53.8
91	12.2	33.2	49.8#
77	17.0	16.2	24.4

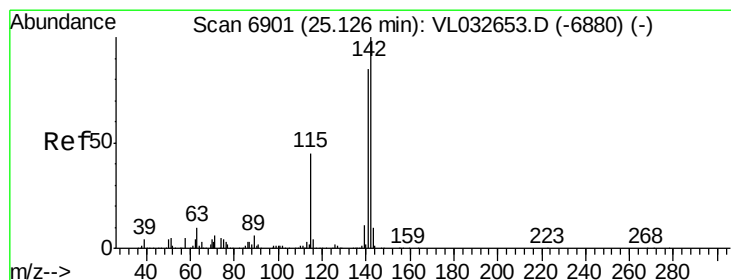
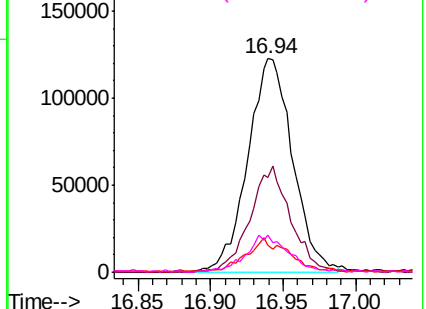
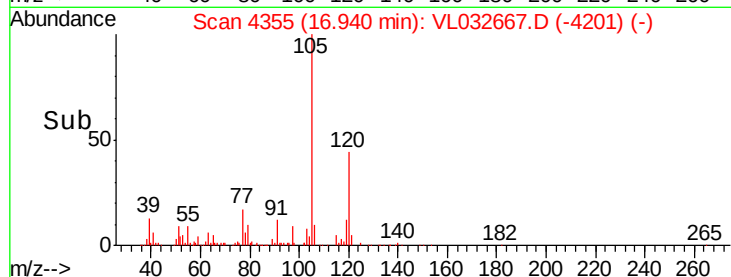


Abundance Ion 105.10 (104.80 to 105.80): V

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



#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

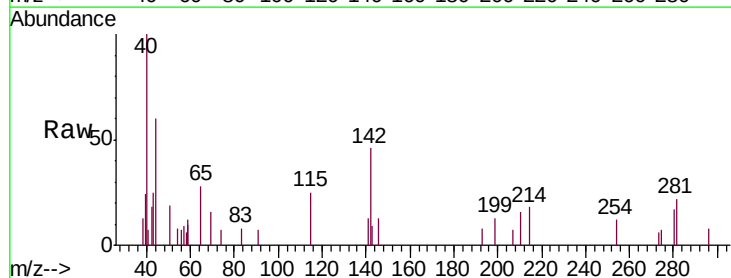
RT: 25.15 min Scan# 6907

Delta R.T. 0.02 min

Lab File: VL032667.D

Acq: 19 Oct 2018 3:45

Tgt Ion:	142	Resp:	2004
Ion	Ratio	Lower	Upper
142	100		
141	50.4	67.5	101.3#
115	53.9	33.5	50.3#



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

