

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033012.D
 Acq On : 18 Dec 2018 1:49
 Operator : SY/AP
 Sample : J6444-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 18 02:53:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1126030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2715304	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2497397	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2222755	12.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	120.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	92890	0.618 ppbv	94
3) Chlorodifluoromethane	2.99	51	126597	1.485 ppbv #	74
4) Chloromethane	3.17	50	31585	0.636 ppbv	96
9) Propene	3.24	41	591805	17.551 ppbv	90
10) Heptane	8.25	43	31072	0.245 ppbv	98
11) Trichlorofluoromethane	4.01	101	41655	0.294 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4599	0.038 ppbv #	12
13) Ethanol	3.65	45	927656	79.901 ppbv	97
15) Acetone	3.90	43	1865210	19.299 ppbv	99
16) 1,3-Butadiene	3.35	39	38215	0.997 ppbv #	35
17) tert-Butyl alcohol	4.38	59	25812	1.049 ppbv #	98
19) Isopropyl Alcohol	4.04	45	200773	3.308 ppbv #	1
20) Methylene Chloride	4.41	84	183758	3.890 ppbv	98
21) Allyl Chloride	4.19	41	3991548	50.677 ppbv #	48
23) Vinyl Acetate	5.15	43	52760	0.322 ppbv #	1
25) Ethyl Acetate	5.78	43	267786	1.173 ppbv #	86
26) Hexane	5.78	57	307999	2.922 ppbv #	50
27) Carbon Disulfide	4.62	76	21634	0.164 ppbv #	70
29) Chloroform	5.85	83	8889	0.047 ppbv	95
30) Cyclohexane	7.25	84	5394	0.062 ppbv #	1
34) 2-Butanone	5.34	43	62630	0.530 ppbv	97
35) Carbon Tetrachloride	7.14	117	15694	0.074 ppbv	85
36) Benzene	7.01	78	160382	0.803 ppbv	96
38) Trichloroethene	7.97	130	5270	0.063 ppbv #	77
39) 1,2-Dichloropropane	7.29	63	654853	8.646 ppbv #	21
43) Methyl Methacrylate	8.15	69	9437	0.128 ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	113503	0.335 ppbv #	78
51) 2-Hexanone	10.25	43	5725	0.045 ppbv #	79
52) Tetrachloroethene	11.38	164	7939	0.109 ppbv #	86
53) Toluene	9.96	91	16145380	76.225 ppbv	91
58) Ethyl Benzene	12.88	91	74725	0.280 ppbv #	89
59) m/p-Xylene	13.13	91	223679	0.926 ppbv #	100
60) o-Xylene	13.86	91	41896	0.172 ppbv #	43
64) n-propylbenzene	15.73	120	3559	0.040 ppbv #	1
71) 2-Chlorotoluene	15.72	91	13426	0.053 ppbv #	44
72) 4-Ethyltoluene	16.01	105	9017	0.033 ppbv #	1
73) 1,3,5-Trimethylbenzene	16.17	105	36051	0.136 ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	131044	0.437 ppbv #	67
80) Naphthalene,2-methyl-	25.12	142	1919	0.046 ppbv #	80

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

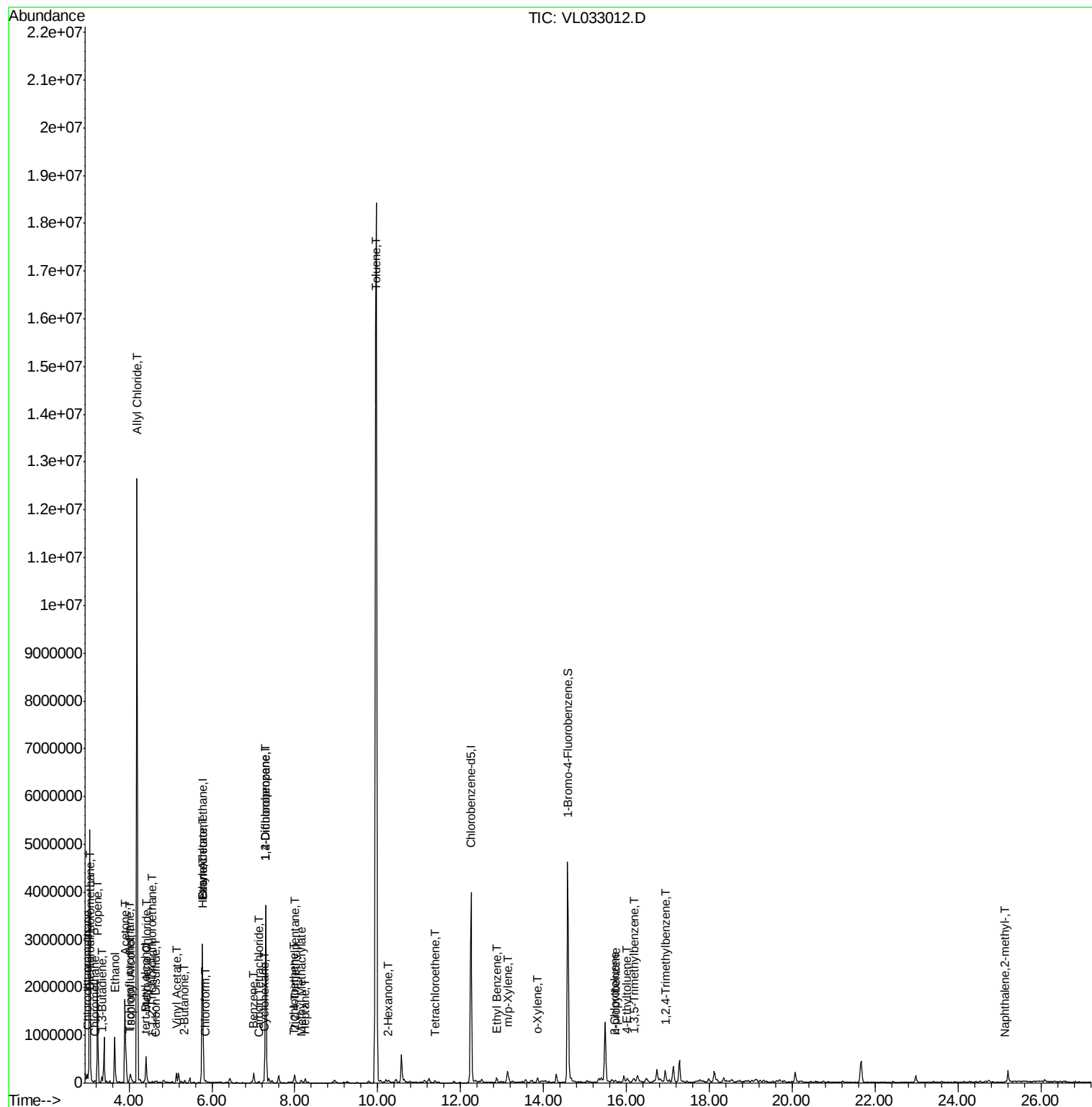
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

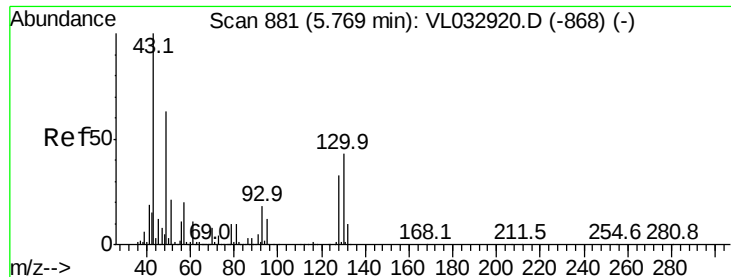
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

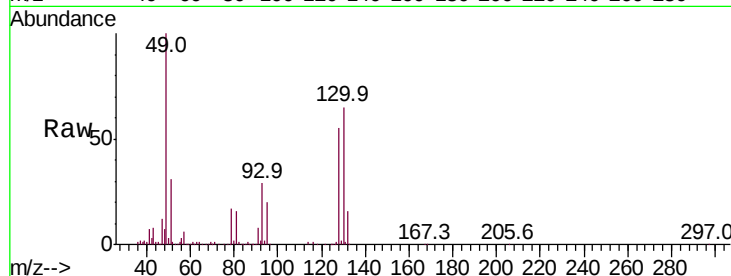
Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1126030

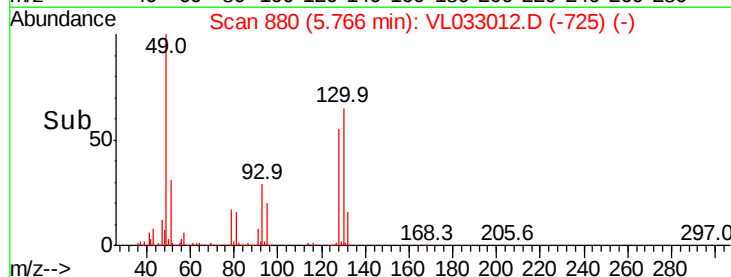
Ion	Ratio	Lower	Upper
49	100		
128	53.2	26.3	78.8
130	67.3	33.9	101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

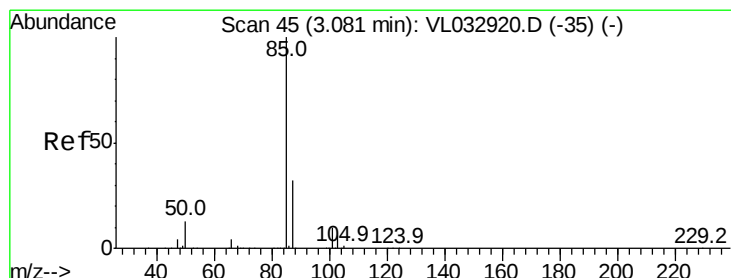
Ion 130.00 (129.70 to 130.70): V



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: 0.618 ppbv

RT: 3.08 min Scan# 44

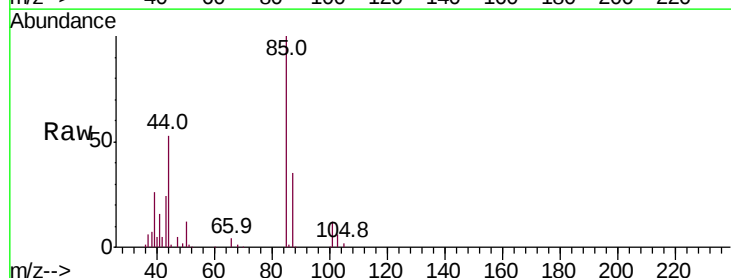
Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

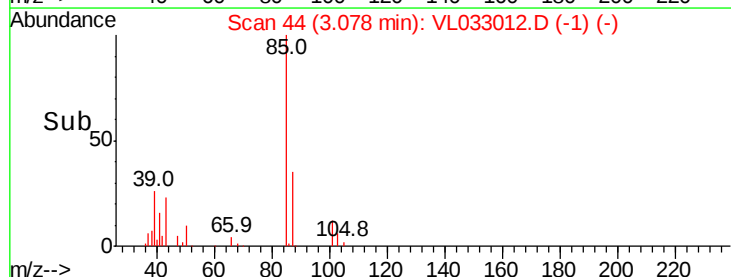
Tgt Ion: 85 Resp: 92890

Ion	Ratio	Lower	Upper
85	100		
87	35.4	25.7	38.5



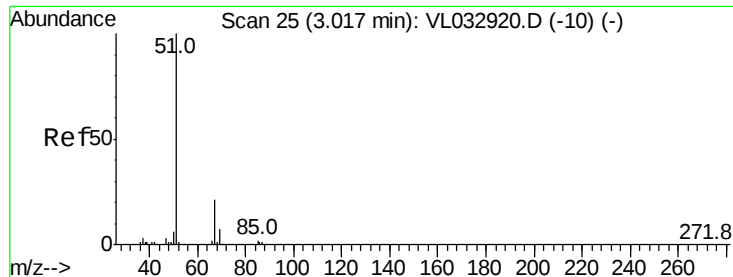
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



#3

Chlorodifluoromethane

Concen: 1.485 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.03 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

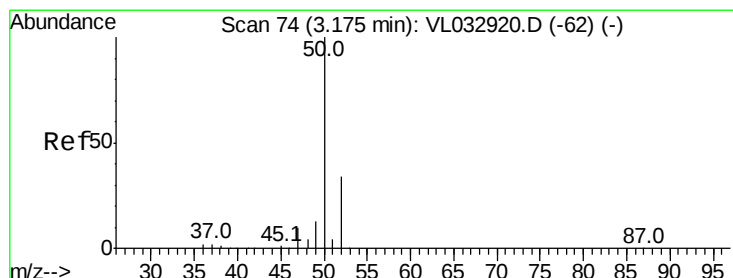
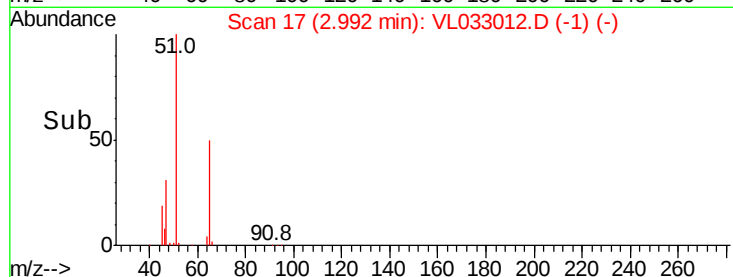
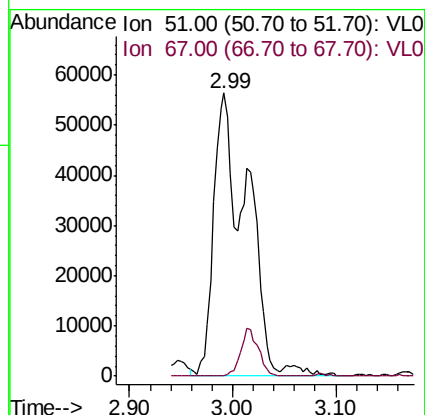
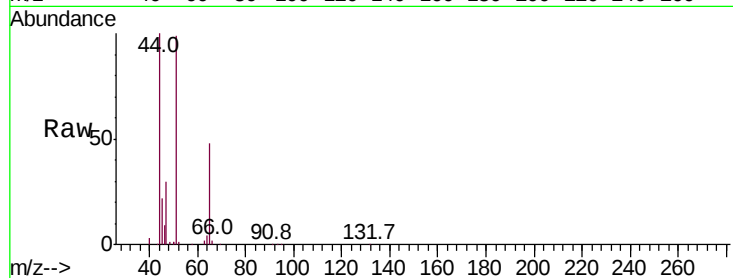
ClientSampleId :

Tot Ion: 51 Resp: 126597

Ion Ratio Lower Upper

51 100

67 9.0 16.8 25.2#



#4

Chloromethane

Concen: 0.636 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033012.D

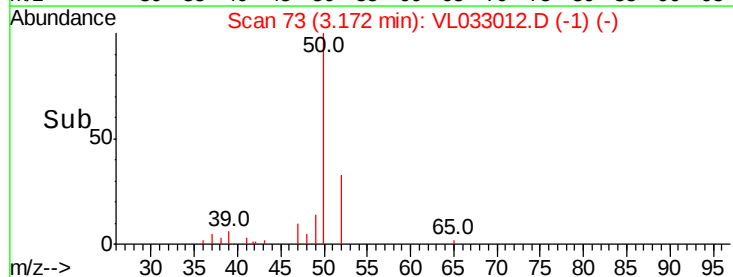
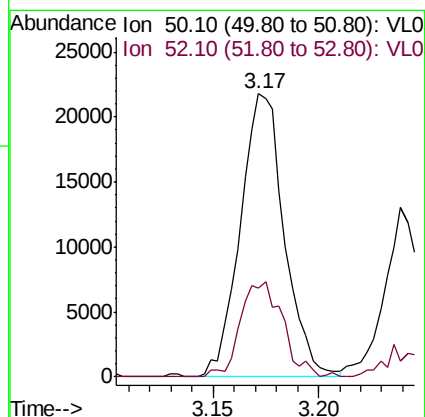
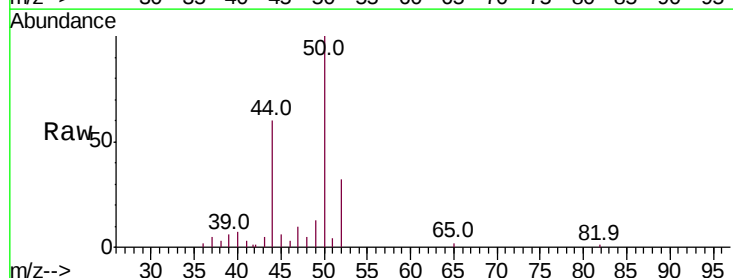
Acq: 18 Dec 2018 1:49

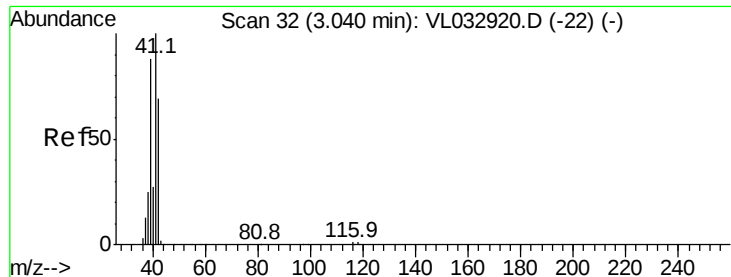
Tgt Ion: 50 Resp: 31585

Ion Ratio Lower Upper

50 100

52 31.6 27.3 40.9





#9

Propene

Concen: 17.551 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.20 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

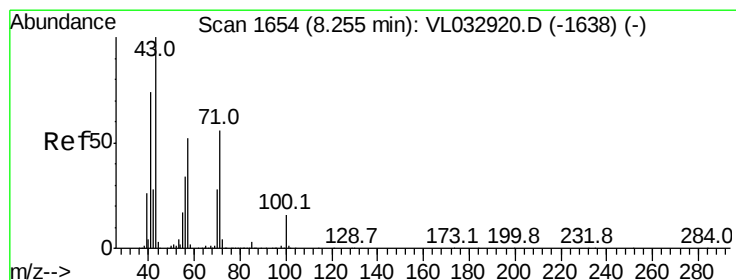
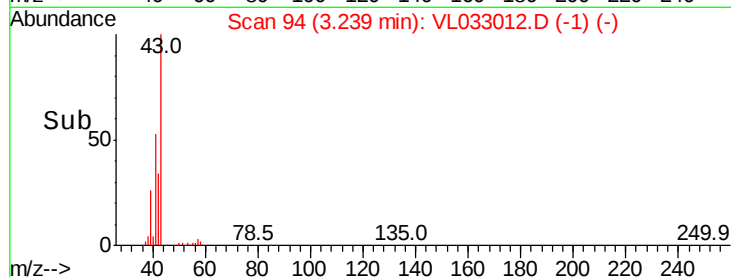
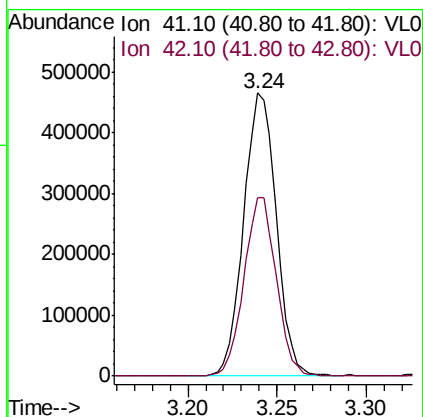
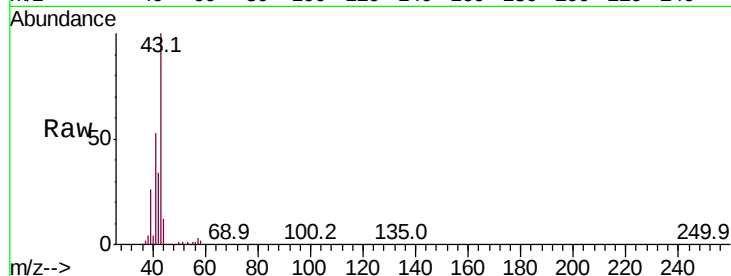
ClientSampleId :

Tot Ion: 41 Resp: 591805

Ion Ratio Lower Upper

41 100

42 62.2 56.2 84.2



#10

Heptane

Concen: 0.245 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL033012.D

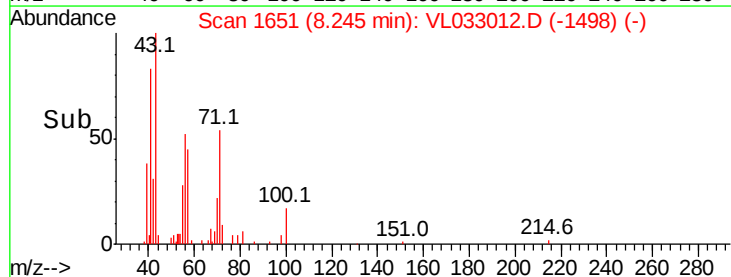
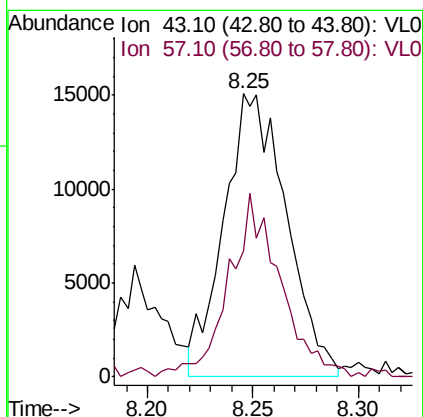
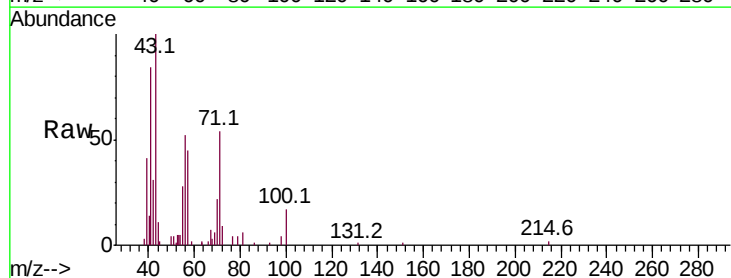
Acq: 18 Dec 2018 1:49

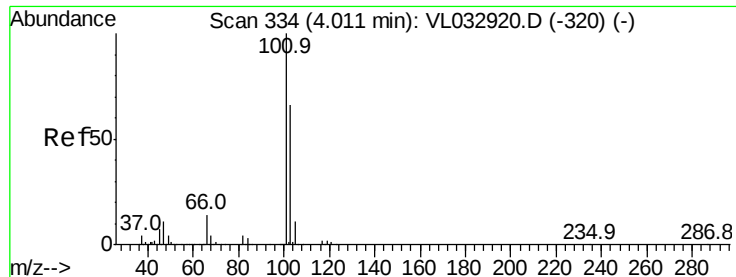
Tgt Ion: 43 Resp: 31072

Ion Ratio Lower Upper

43 100

57 53.9 41.8 62.6





#11

Trichlorofluoromethane

Concen: 0.294 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

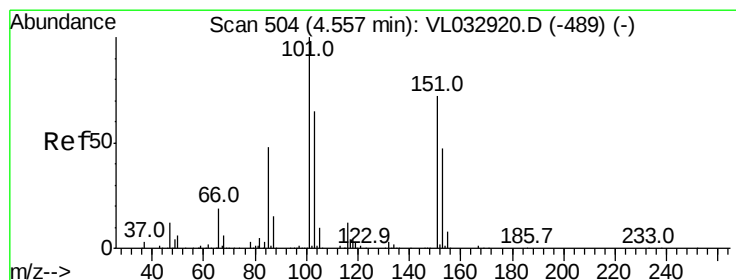
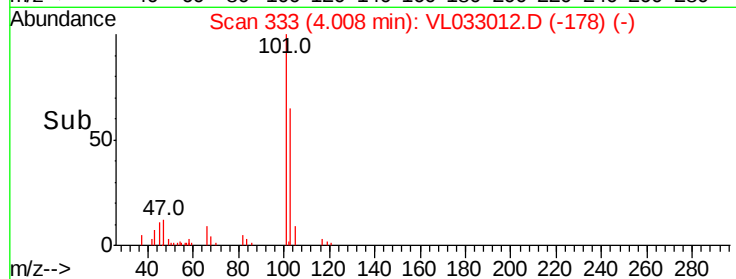
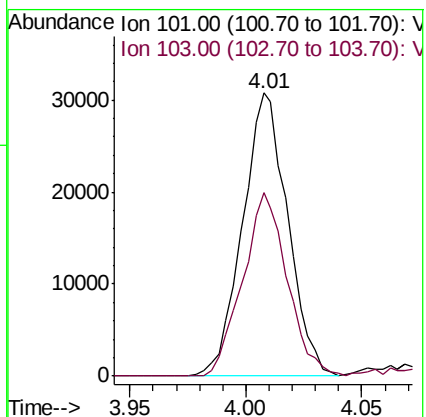
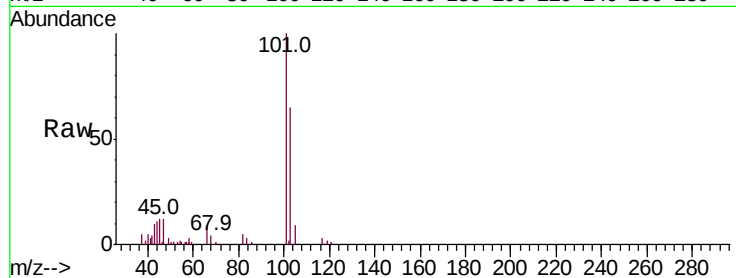
ClientSampleId :

Tot Ion:101 Resp: 41655

Ion Ratio Lower Upper

101 100

103 64.9 52.7 79.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL033012.D

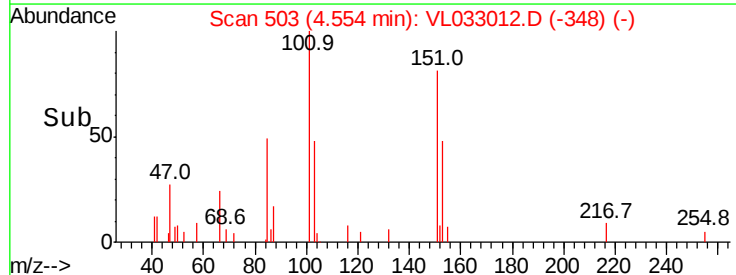
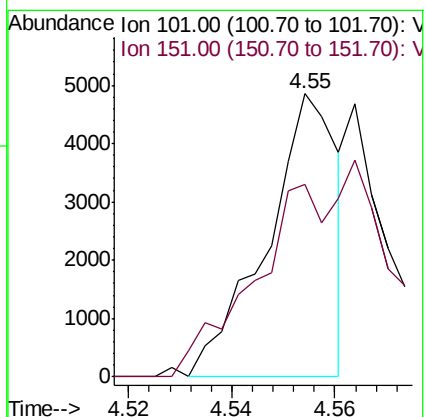
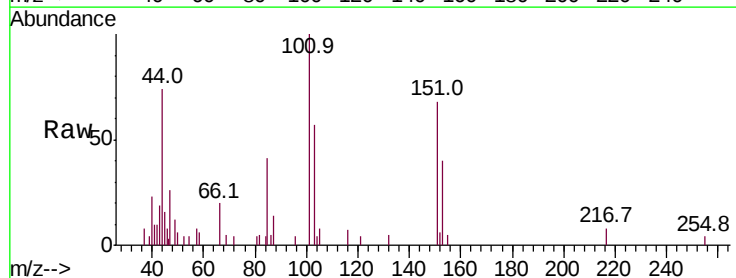
Acq: 18 Dec 2018 1:49

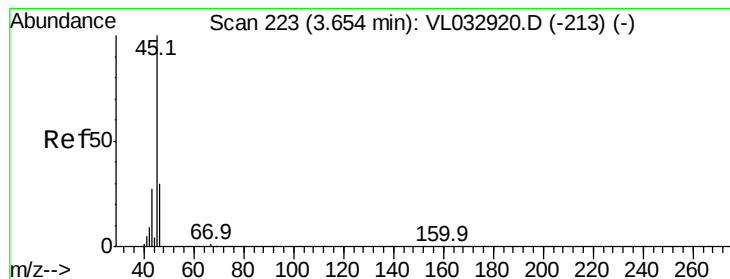
Tgt Ion:101 Resp: 4599

Ion Ratio Lower Upper

101 100

151 0.0 59.3 88.9#





#13

Ethanol

Concen: 79.901 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

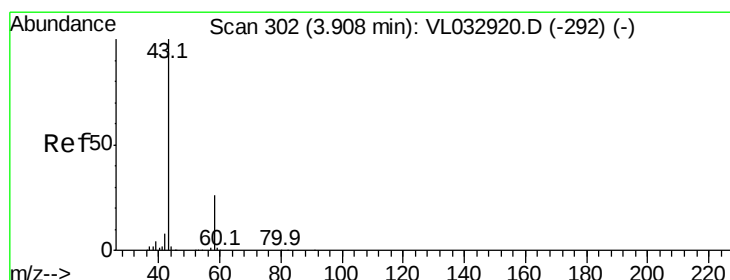
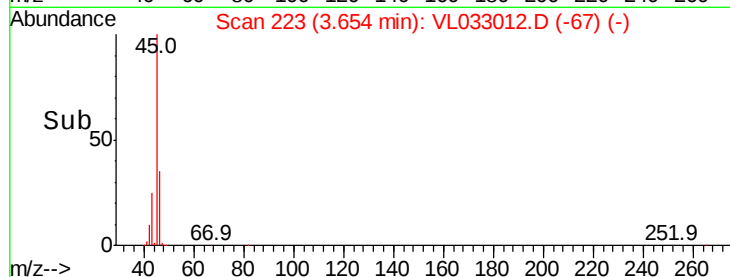
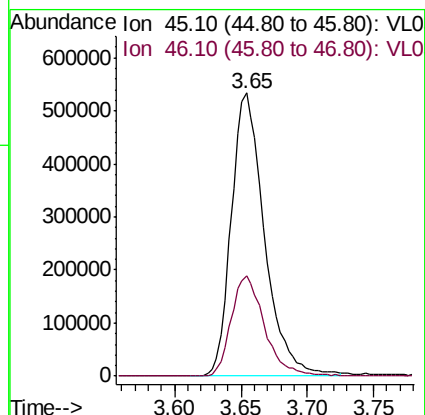
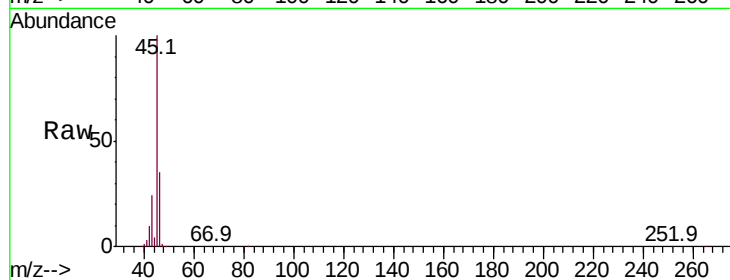
ClientSampleId :

Tot Ion: 45 Resp: 927656

Ion Ratio Lower Upper

45 100

46 36.2 13.8 55.4



#15

Acetone

Concen: 19.299 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL033012.D

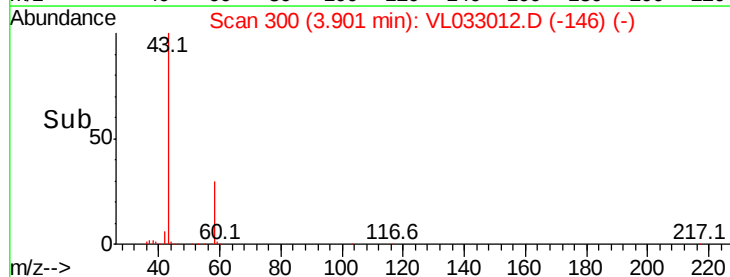
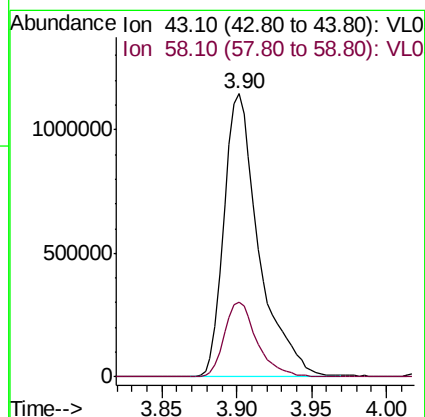
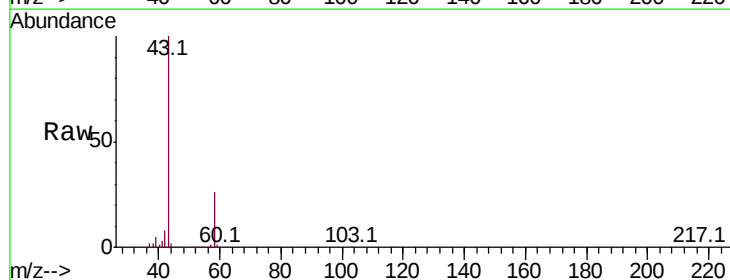
Acq: 18 Dec 2018 1:49

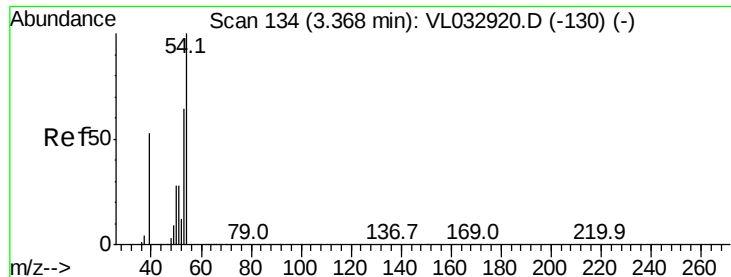
Tgt Ion: 43 Resp: 1865210

Ion Ratio Lower Upper

43 100

58 25.0 20.6 30.8

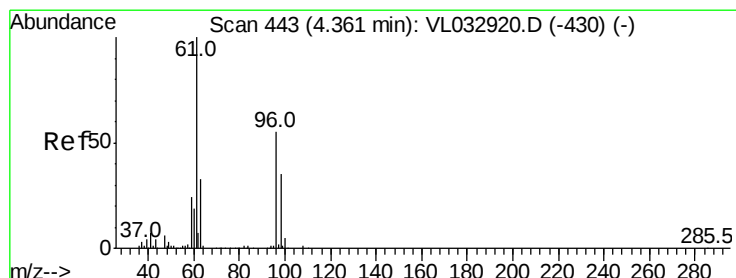
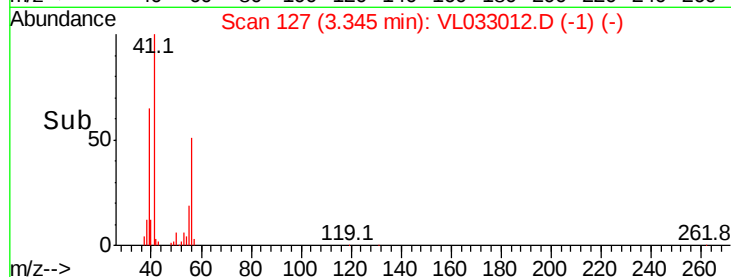
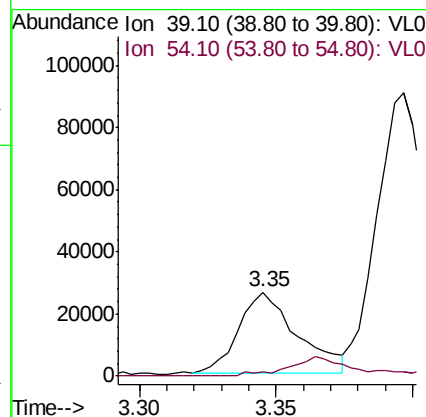
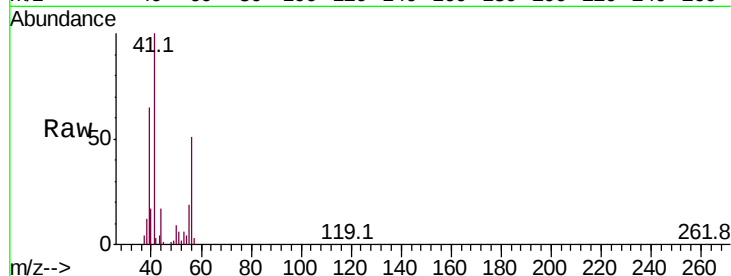




#16
 1,3-Butadiene
 Concen: 0.997 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL033012.D
 Acq: 18 Dec 2018 1:49

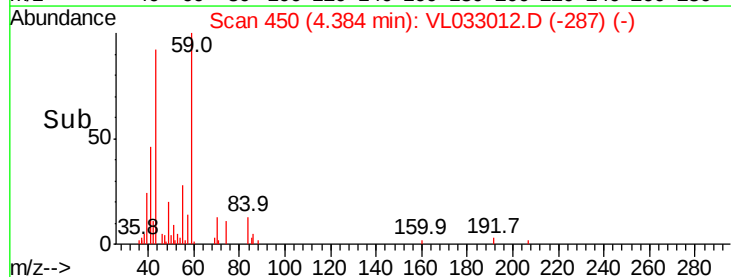
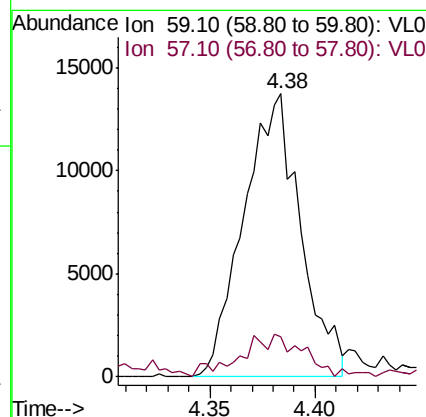
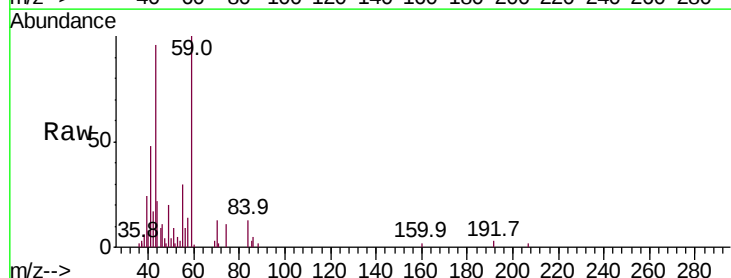
Instrument :
 MSVOA_L
 ClientSampleId :

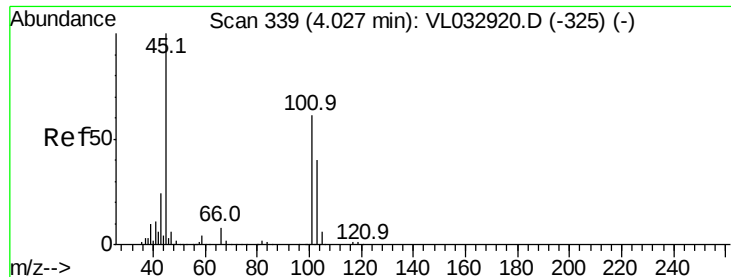
Tot Ion: 39 Resp: 38215
 Ion Ratio Lower Upper
 39 100
 54 29.5 72.7 109.1#



#17
 tert-Butyl alcohol
 Concen: 1.049 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. 0.02 min
 Lab File: VL033012.D
 Acq: 18 Dec 2018 1:49

Tgt Ion: 59 Resp: 25812
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.6 1.0#





#19

Isopropyl Alcohol

Concen: 3.308 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

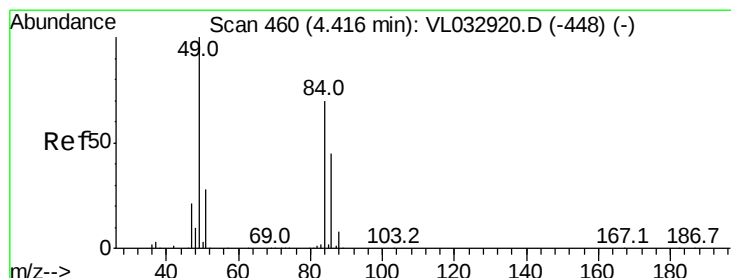
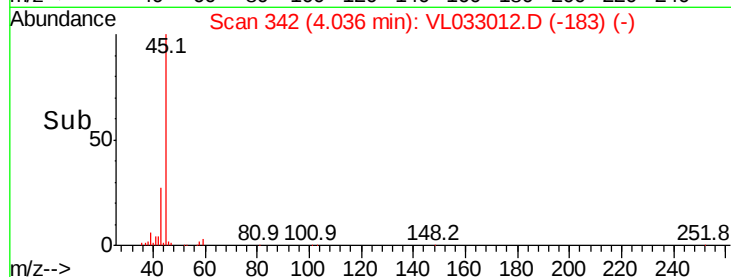
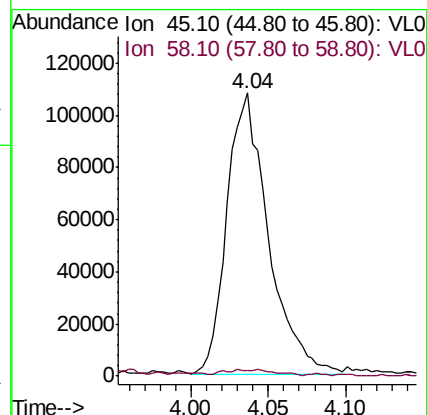
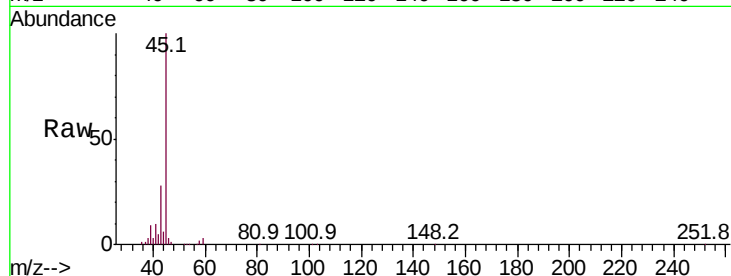
ClientSampleId :

Tot Ion: 45 Resp: 200773

Ion Ratio Lower Upper

45 100

58 231.5 1.4 2.2#



#20

Methylene Chloride

Concen: 3.890 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Tgt Ion: 84 Resp: 183758

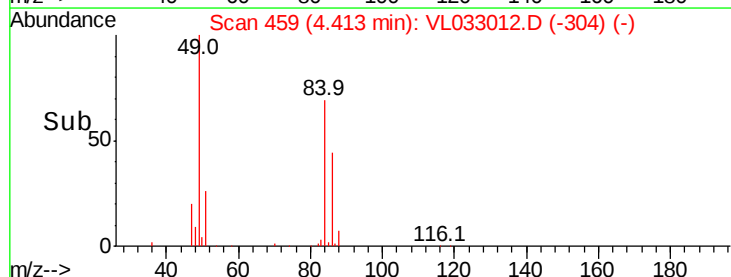
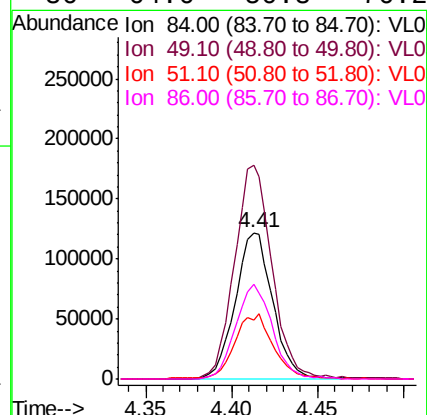
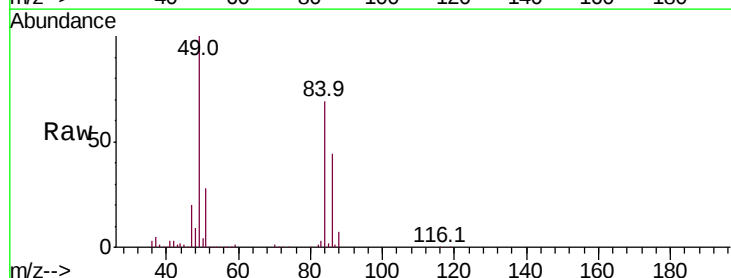
Ion Ratio Lower Upper

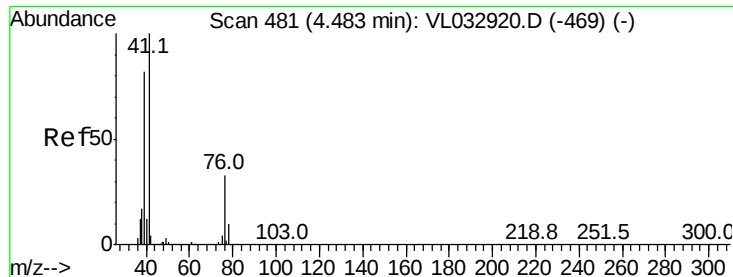
84 100

49 145.8 113.8 170.8

51 40.0 31.8 47.8

86 64.6 50.8 76.2





#21

Allvl Chloride

Concen: 50.677 ppbv

RT: 4.19 min Scan# 391

Delta R.T. -0.29 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

ClientSampleId :

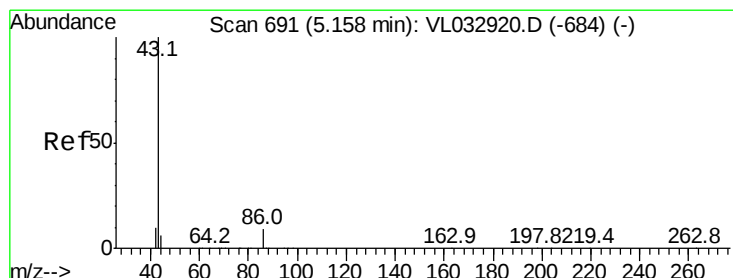
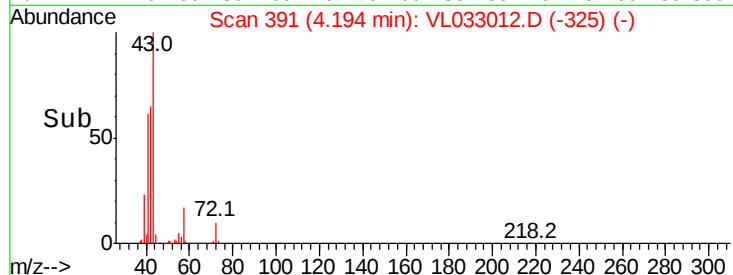
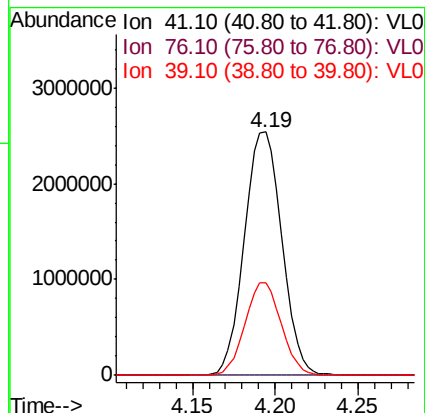
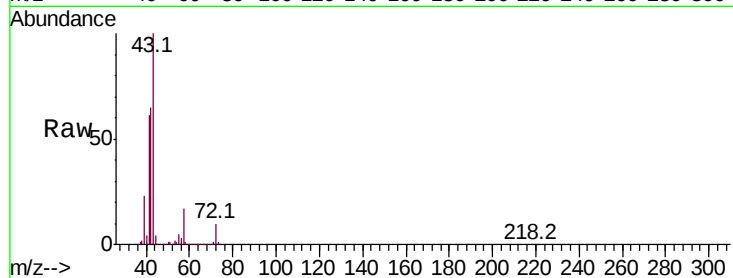
Tot Ion: 41 Resp: 3991548

Ion Ratio Lower Upper

41 100

76 0.0 25.2 37.8#

39 37.0 65.2 97.8#



#23

Vinyl Acetate

Concen: 0.322 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Tgt Ion: 43 Resp: 52760

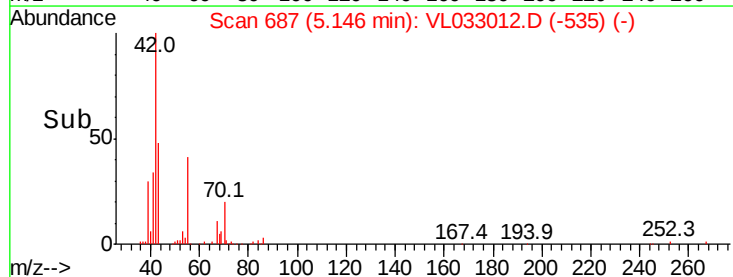
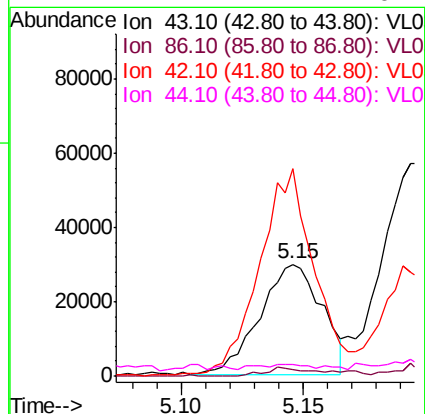
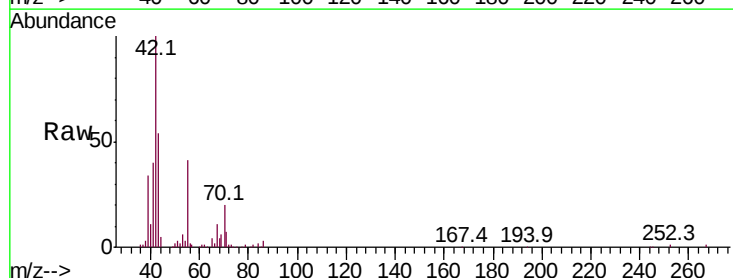
Ion Ratio Lower Upper

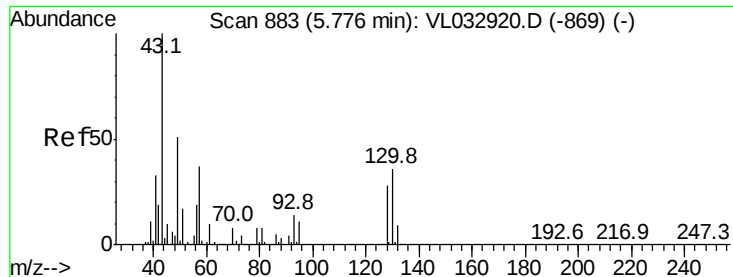
43 100

86 5.3 6.6 9.8#

42 184.2 8.3 12.5#

44 1.4 4.2 6.4#

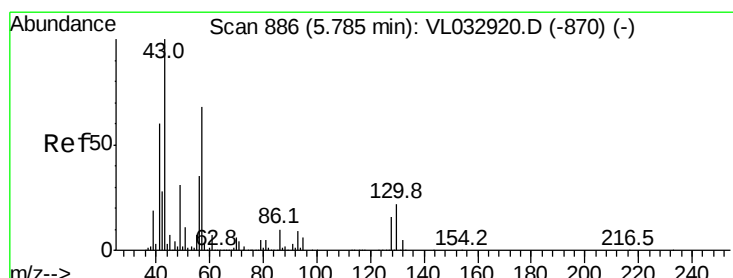
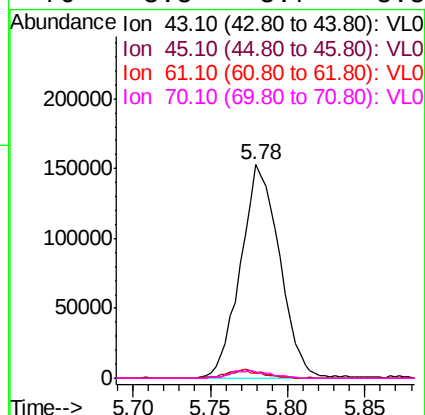
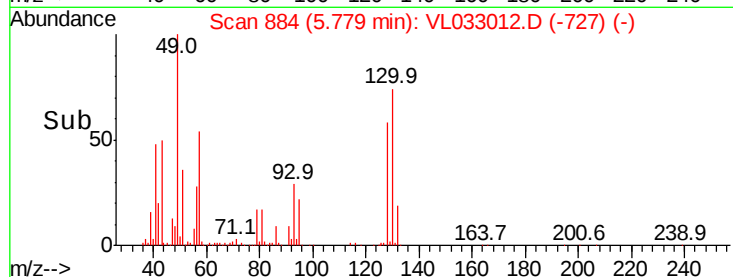
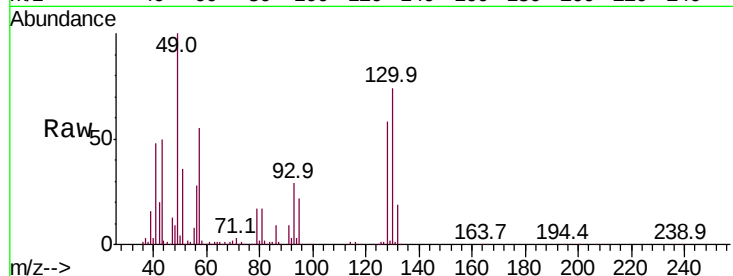




#25
Ethyl Acetate
Concen: 1.173 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

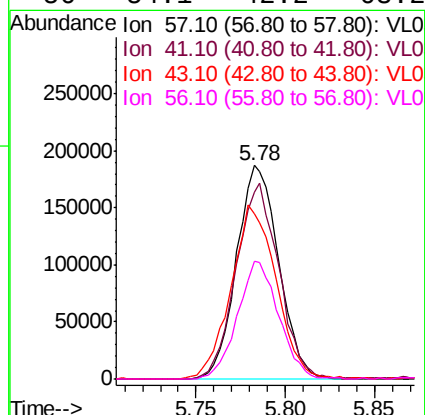
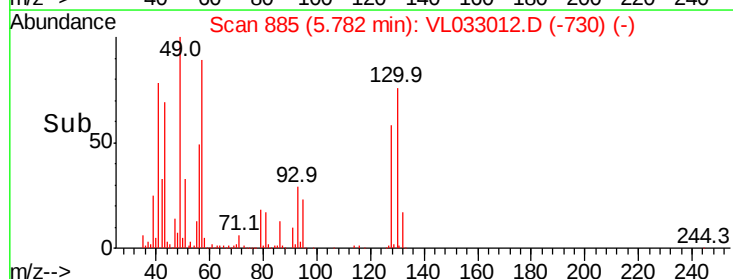
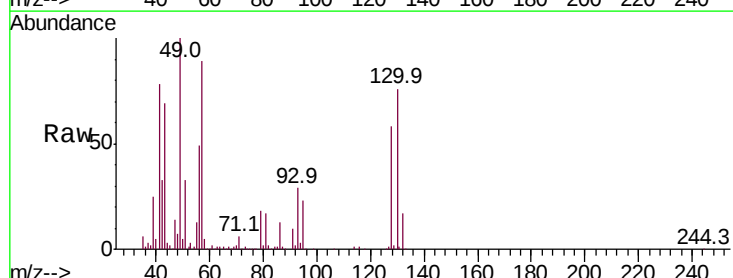
Instrument :
MSVOA_L
ClientSampleId :

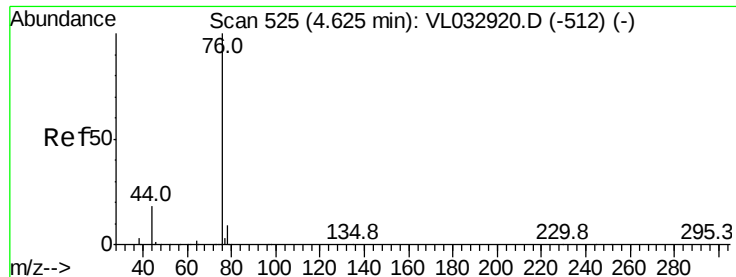
Tot Ion: 43 Resp: 267786
Ion Ratio Lower Upper
43 100
45 4.0 7.8 11.6#
61 3.4 7.4 11.2#
70 3.8 5.7 8.5#



#26
Hexane
Concen: 2.922 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

Tgt Ion: 57 Resp: 307999
Ion Ratio Lower Upper
57 100
41 93.4 72.2 108.2
43 87.1 171.9 257.9#
56 54.1 42.2 63.2





#27

Carbon Disulfide

Concen: 0.164 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :

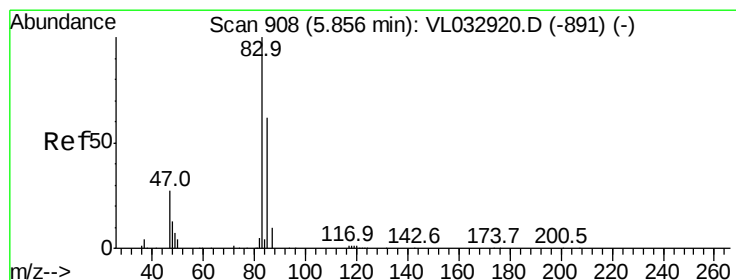
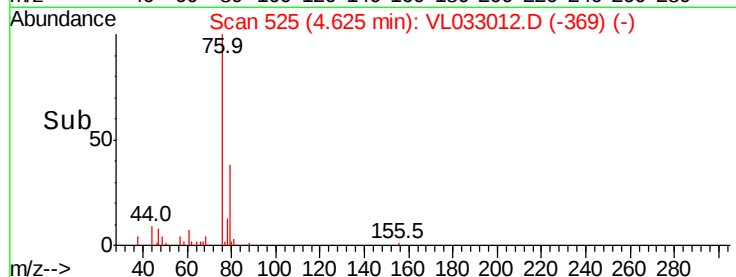
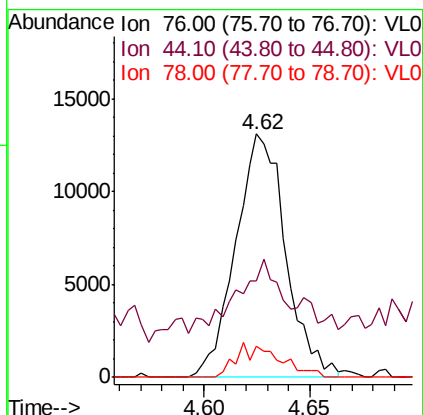
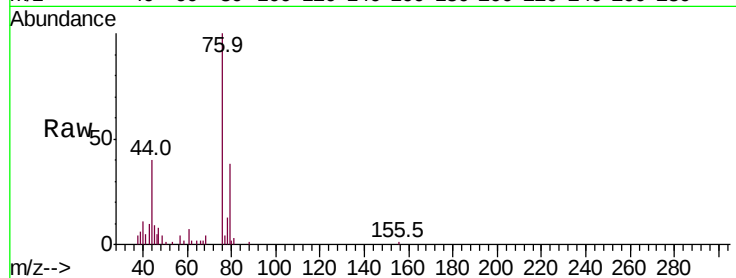
Tot Ion: 76 Resp: 21634

Ion Ratio Lower Upper

76 100

44 0.0 14.7 22.1#

78 11.9 7.4 11.2#



#29

Chloroform

Concen: 0.047 ppbv

RT: 5.85 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL033012.D

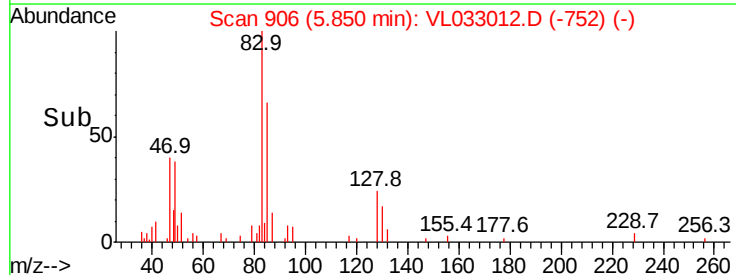
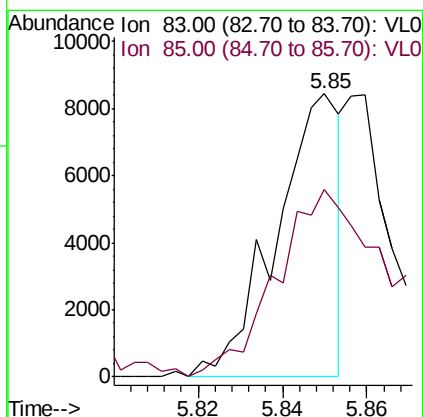
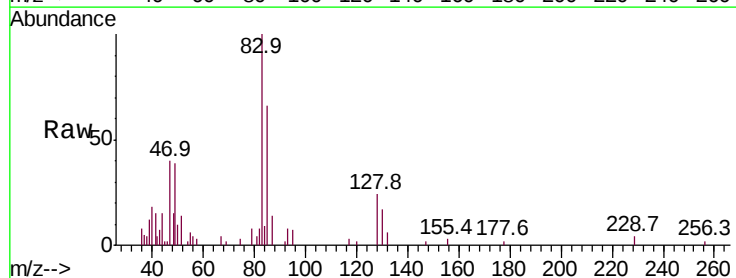
Acq: 18 Dec 2018 1:49

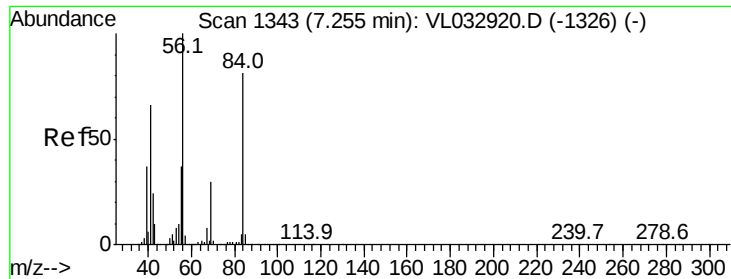
Tgt Ion: 83 Resp: 8889

Ion Ratio Lower Upper

83 100

85 66.3 49.8 74.8

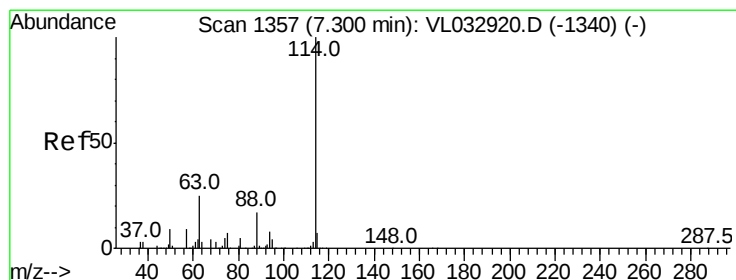
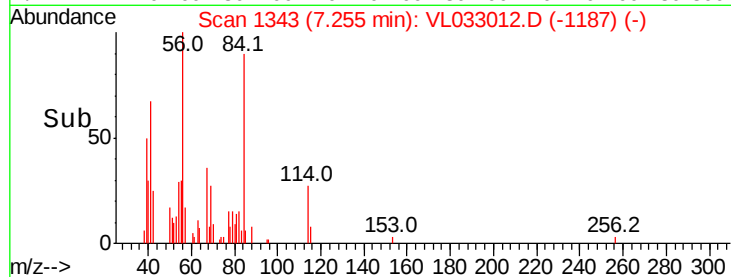
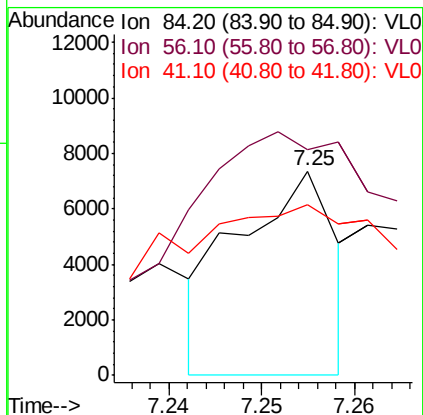
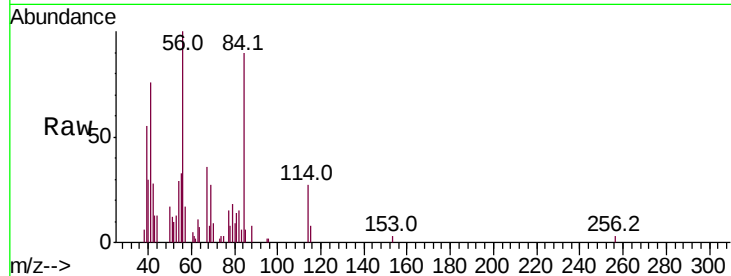




#30
Cyclohexane
Concen: 0.062 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

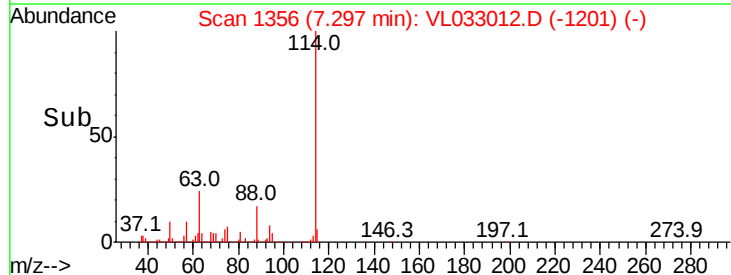
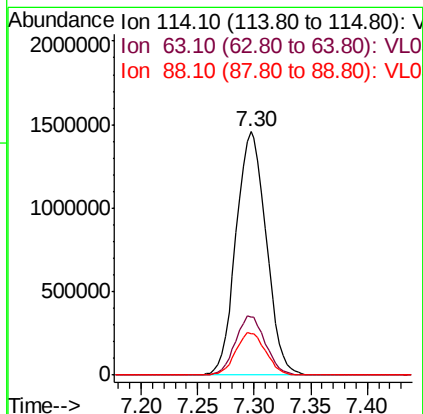
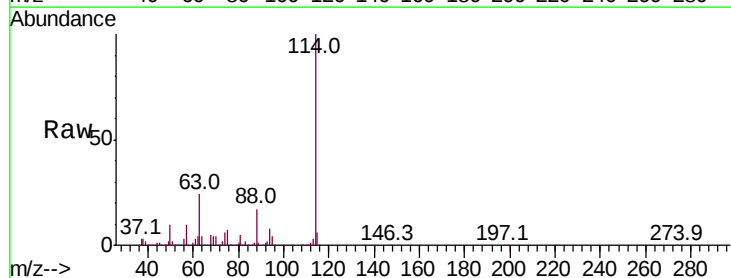
Instrument :
MSVOA_L
ClientSampled :

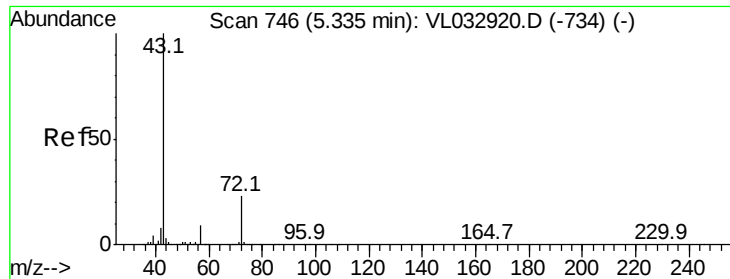
Tot Ion: 84 Resp: 5394
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 282.2 64.1 96.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

Tgt Ion: 114 Resp: 2715304
Ion Ratio Lower Upper
114 100
63 24.2 20.1 30.1
88 17.3 14.2 21.4





#34

2-Butanone

Concen: 0.530 ppbv

RT: 5.34 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

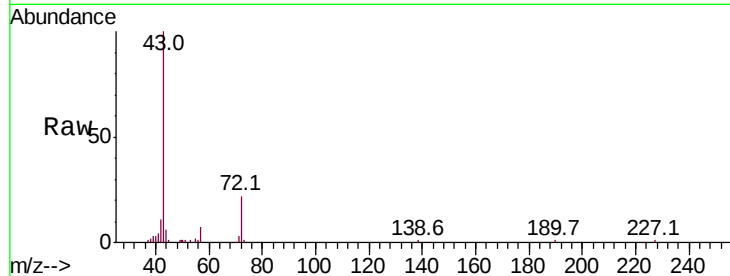
ClientSampleId :

Tot Ion: 43 Resp: 62630

Ion Ratio Lower Upper

43 100

72 24.9 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.34

40000

30000

20000

10000

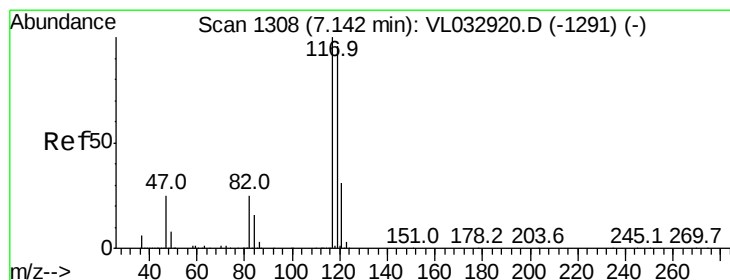
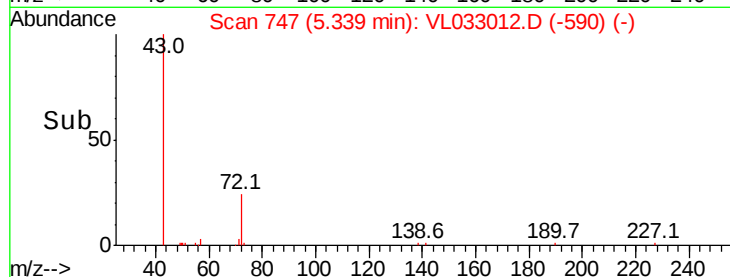
0

5.30

5.35

5.40

Time-->



#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

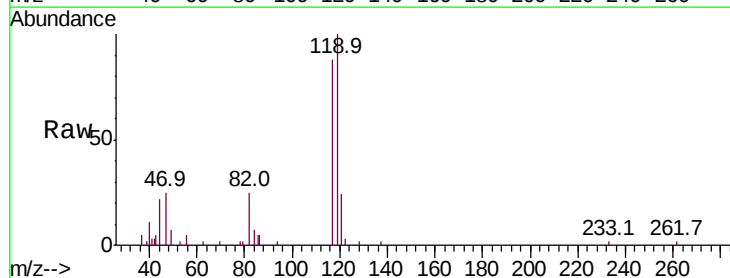
Tgt Ion: 117 Resp: 15694

Ion Ratio Lower Upper

117 100

119 113.4 76.5 114.7

121 27.7 24.5 36.7



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

12000

10000

8000

6000

4000

2000

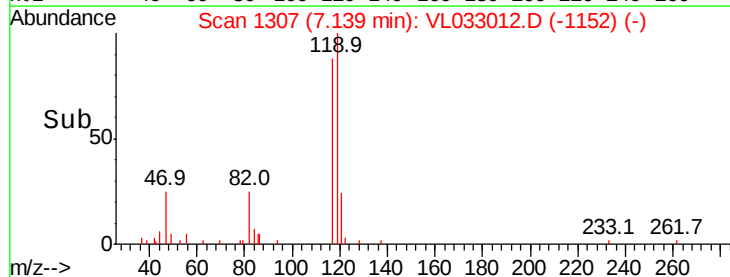
0

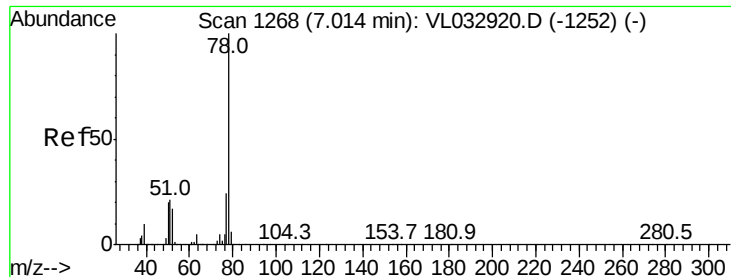
7.10

7.15

7.20

Time-->





#36

Benzene

Concen: 0.803 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

ClientSampleId :

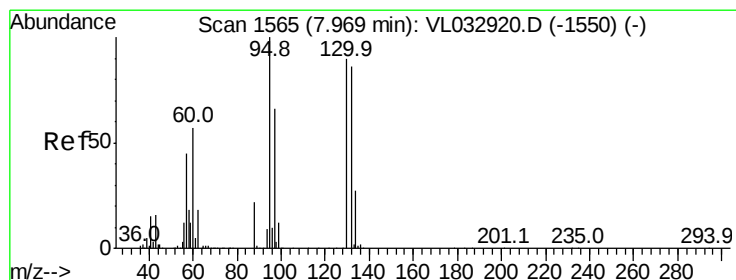
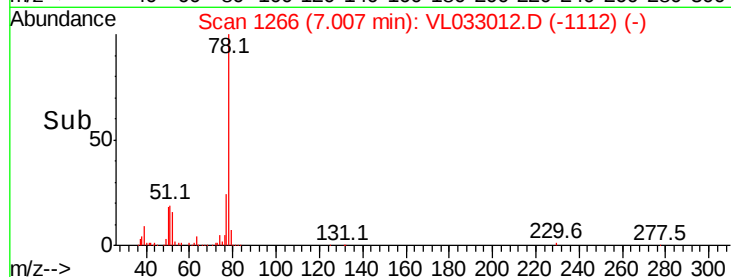
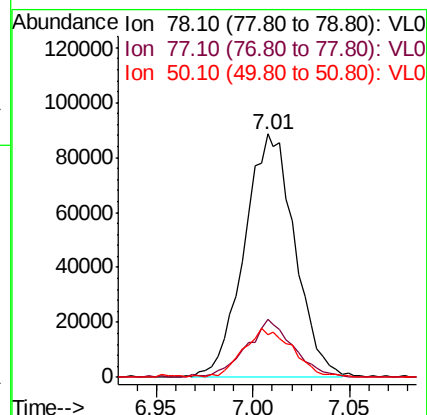
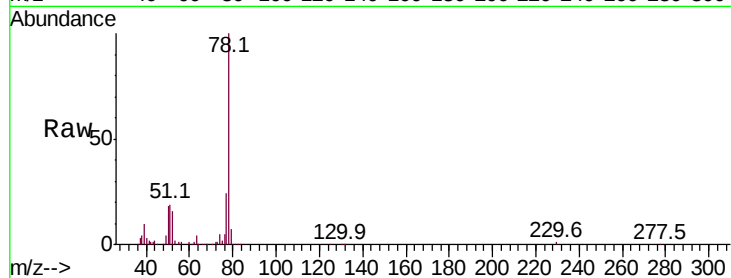
Tot Ion: 78 Resp: 160382

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3

50 17.1 16.1 24.1



#38

Trichloroethene

Concen: 0.063 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Tgt Ion:130 Resp: 5270

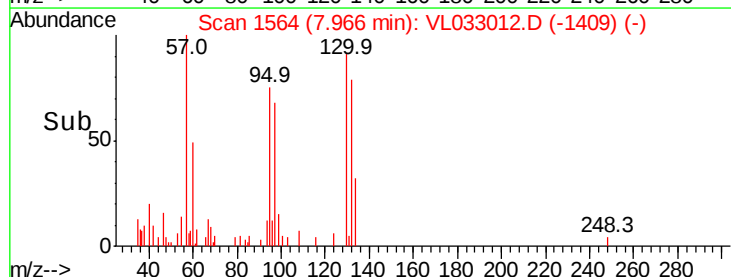
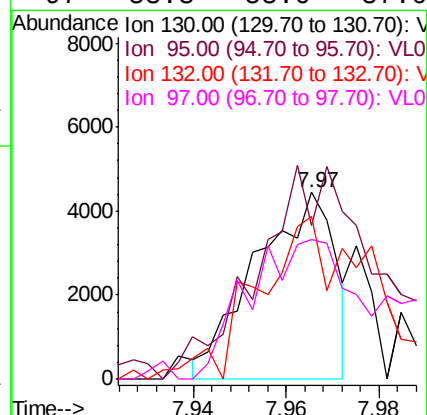
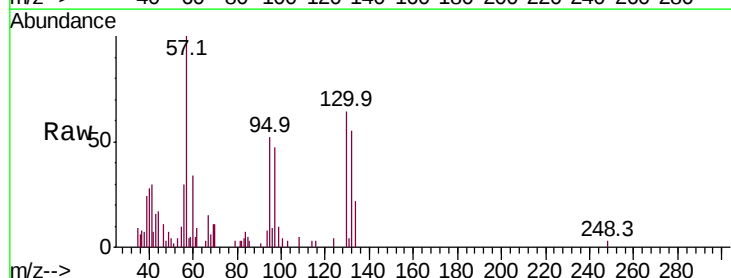
Ion Ratio Lower Upper

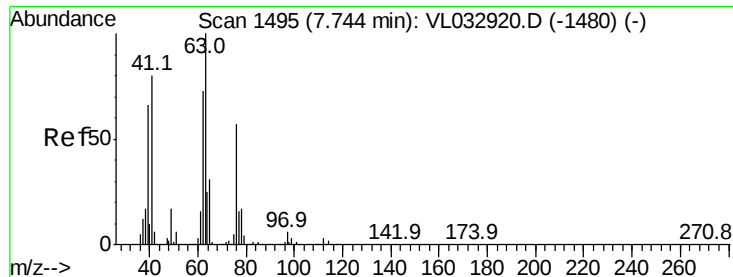
130 100

95 67.1 88.6 132.8#

132 84.8 76.1 114.1

97 83.3 58.0 87.0





#39

1,2-Dichloropropane

Concen: 8.646 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

ClientSampled :

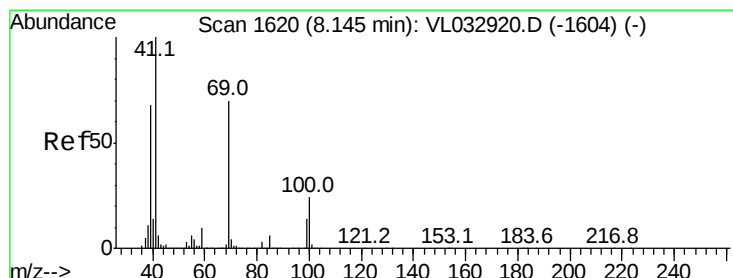
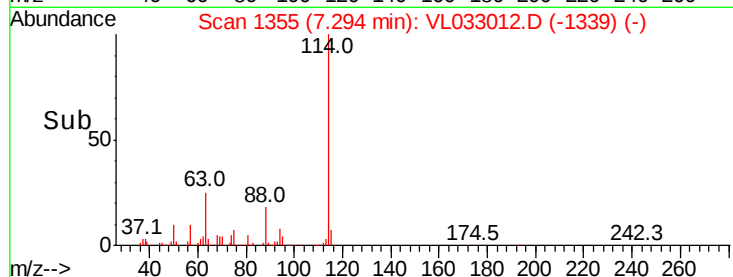
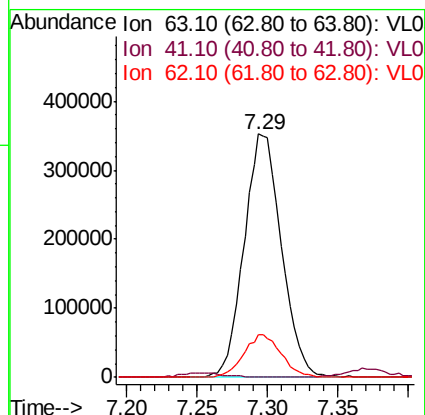
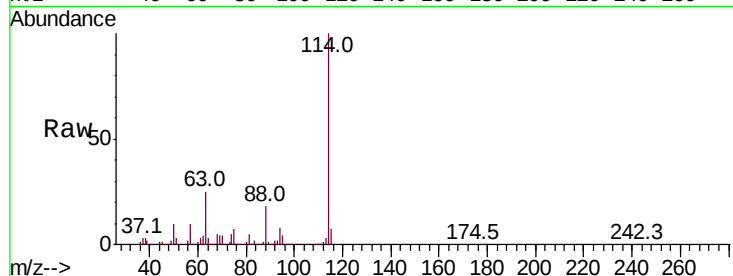
Tot Ion: 63 Resp: 654853

Ion Ratio Lower Upper

63 100

41 0.0 63.9 95.9#

62 17.5 58.8 88.2#



#43

Methyl Methacrylate

Concen: 0.128 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

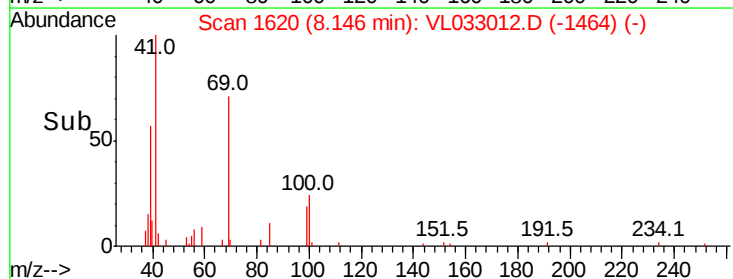
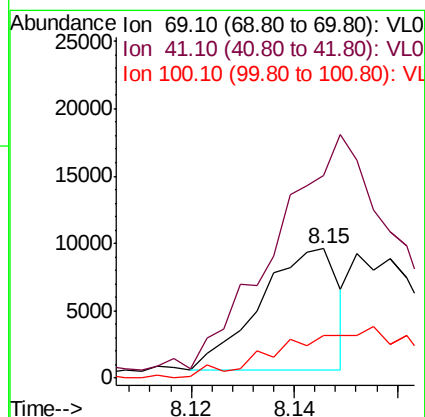
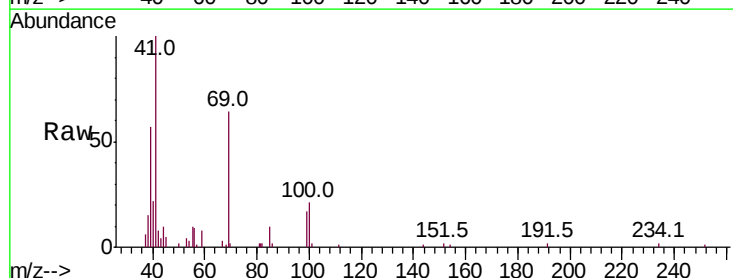
Tgt Ion: 69 Resp: 9437

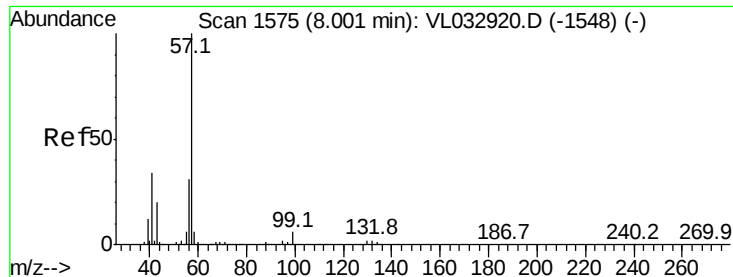
Ion Ratio Lower Upper

69 100

41 0.0 116.6 175.0#

100 0.0 26.5 39.7#

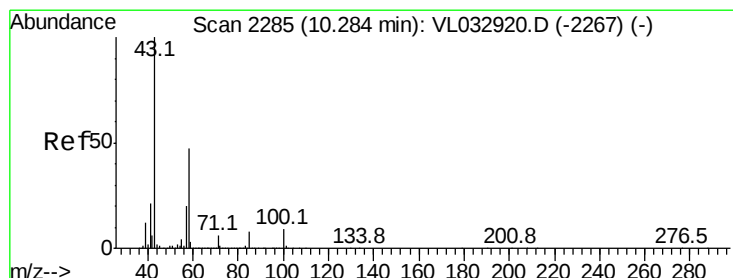
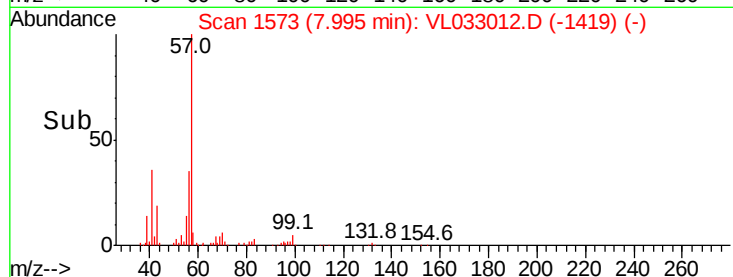
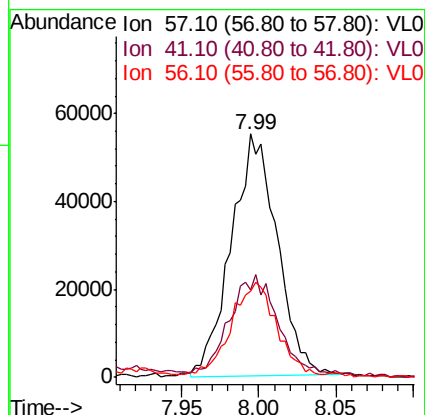
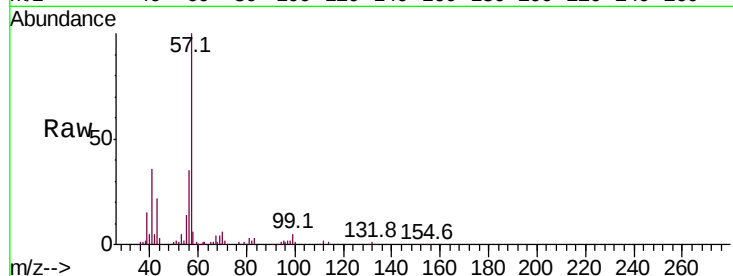




#44
 2,2,4-Trimethylpentane
 Concen: 0.335 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL033012.D
 Acq: 18 Dec 2018 1:49

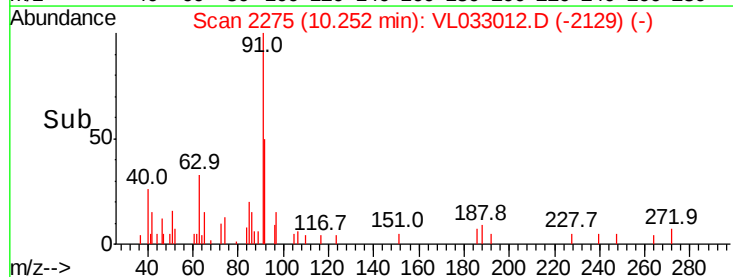
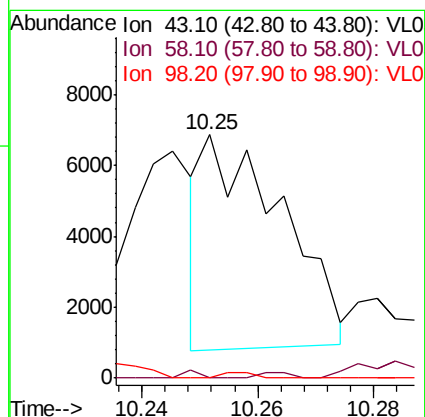
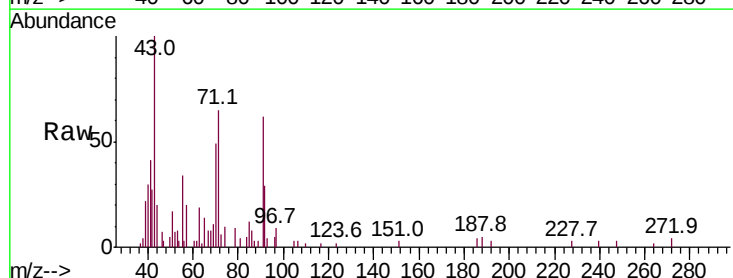
Instrument :
 MSVOA_L
 ClientSampleId :

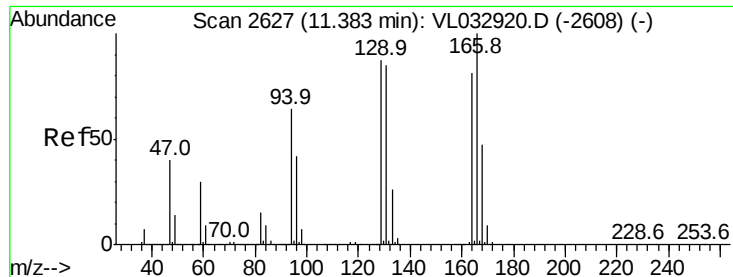
Tot Ion	57	Resp	113503
Ion Ratio	Lower	Upper	
57	100		
41	47.5	27.0	40.4#
56	41.2	24.6	37.0#



#51
 2-Hexanone
 Concen: 0.045 ppbv
 RT: 10.25 min Scan# 2275
 Delta R.T. -0.03 min
 Lab File: VL033012.D
 Acq: 18 Dec 2018 1:49

Tgt Ion	43	Resp	5725
Ion Ratio	Lower	Upper	
43	100		
58	33.6	38.1	57.1#
98	2.1	0.4	0.6#





#52

Tetrachloroethene

Concen: 0.109 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 7939

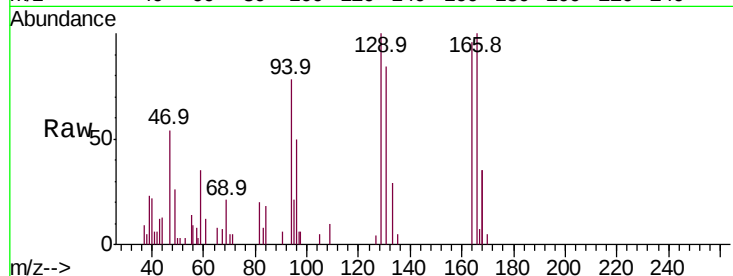
Ion Ratio Lower Upper

164 100

166 104.2 98.8 148.2

129 103.7 85.5 128.3

131 83.2 84.4 126.6#

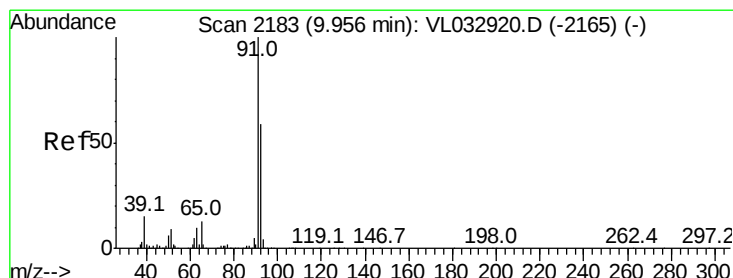
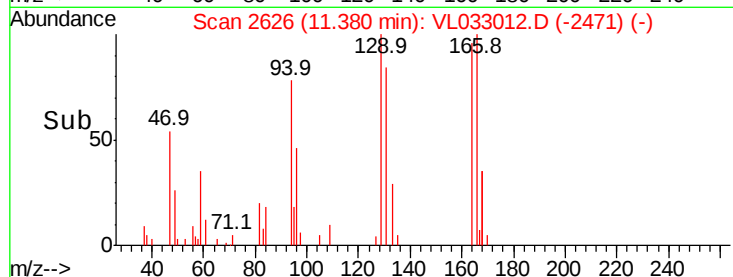
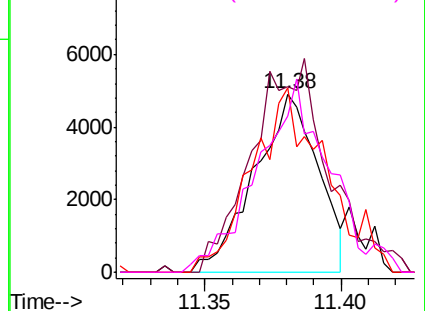


Abundance Ion 163.90 (163.60 to 164.60): V

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: 76.225 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL033012.D

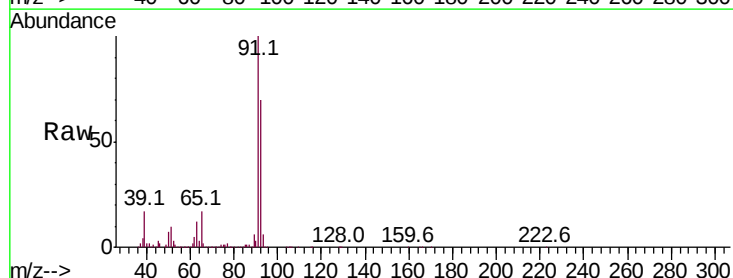
Acq: 18 Dec 2018 1:49

Tgt Ion: 91 Resp:16145380

Ion Ratio Lower Upper

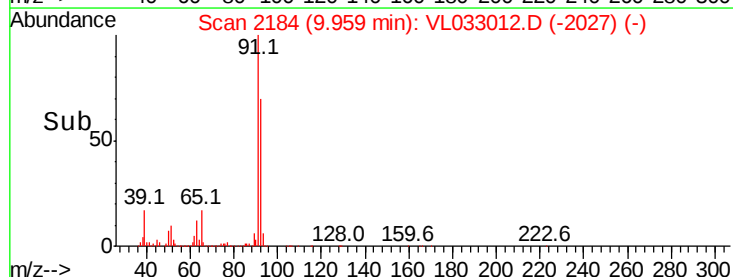
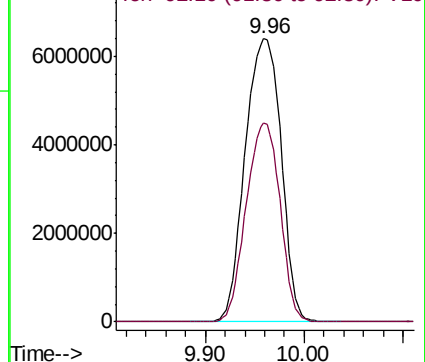
91 100

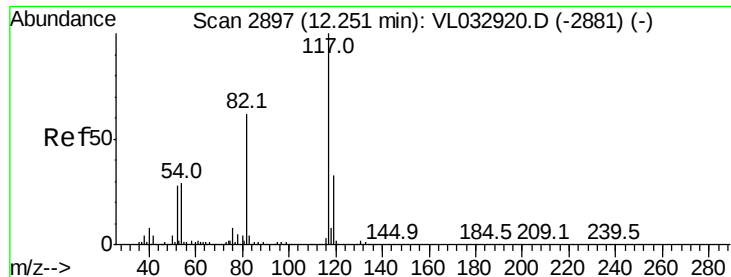
92 66.2 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

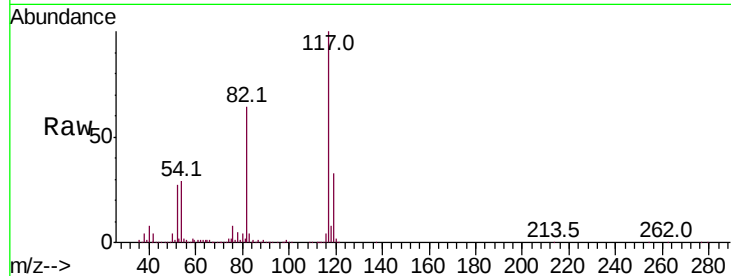




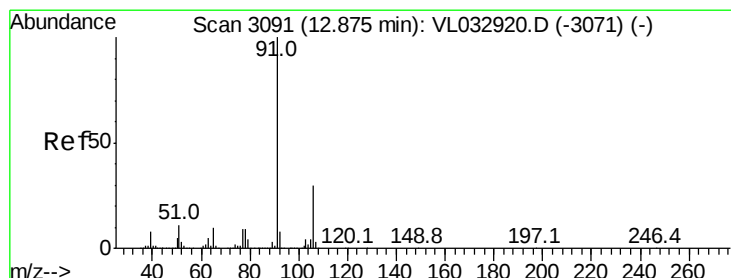
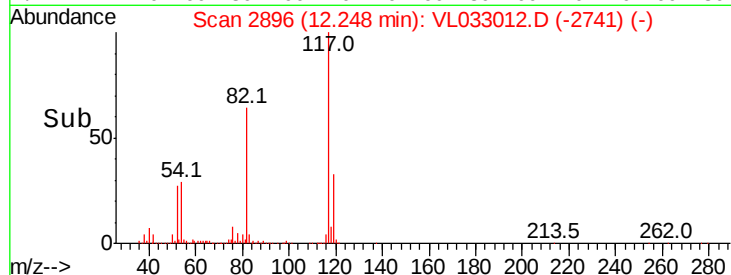
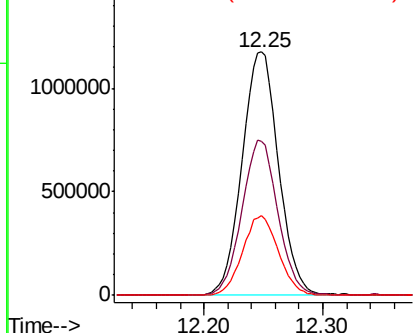
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2497397
Ion Ratio Lower Upper
117 100
82 62.7 47.8 71.8
119 32.3 43.1 64.7#

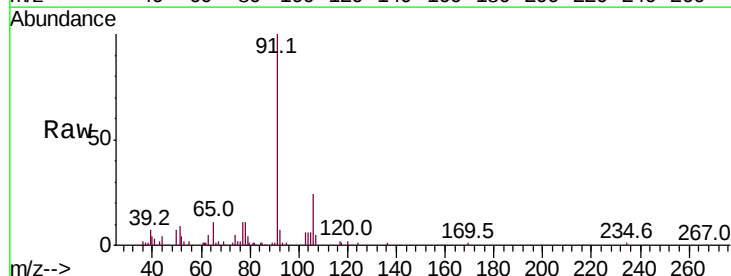


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

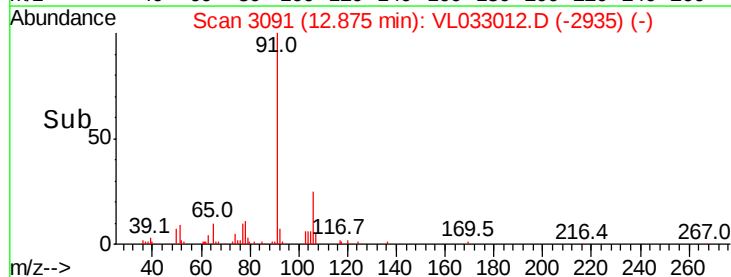
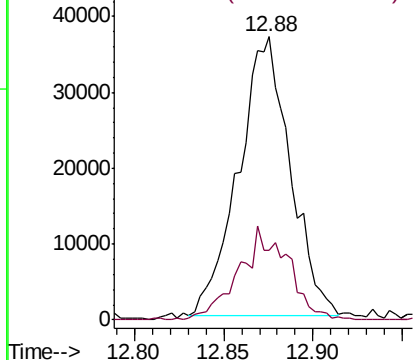


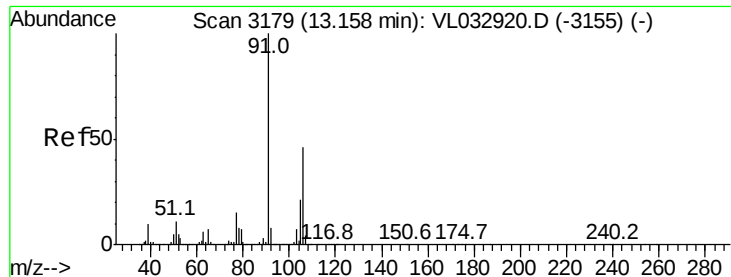
#58
Ethyl Benzene
Concen: 0.280 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

Tgt Ion: 91 Resp: 74725
Ion Ratio Lower Upper
91 100
106 23.7 23.9 35.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.926 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.03 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

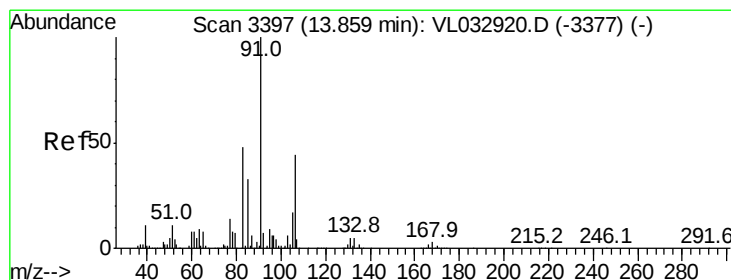
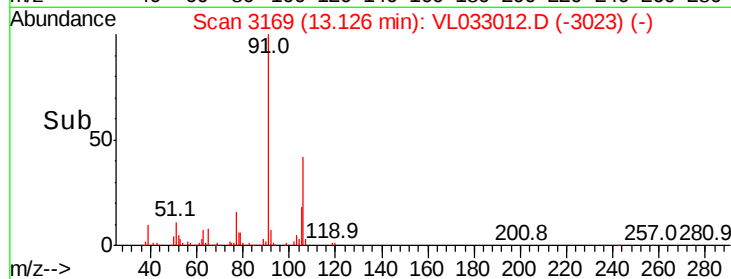
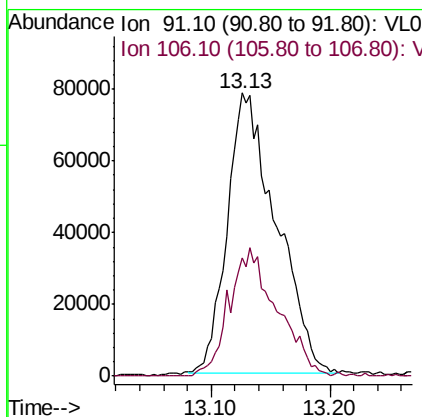
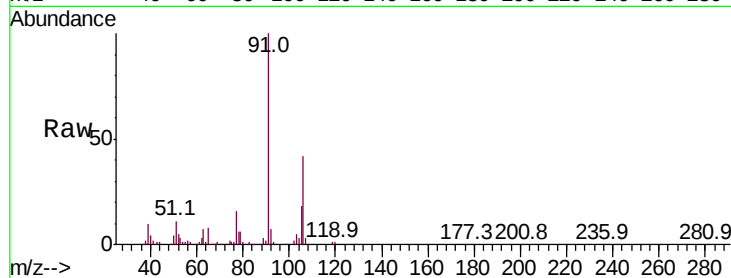
ClientSampled :

Tot Ion: 91 Resp: 223679

Ion Ratio Lower Upper

91 100

106 44.6 0.0 0.0#



#60

o-Xylene

Concen: 0.172 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL033012.D

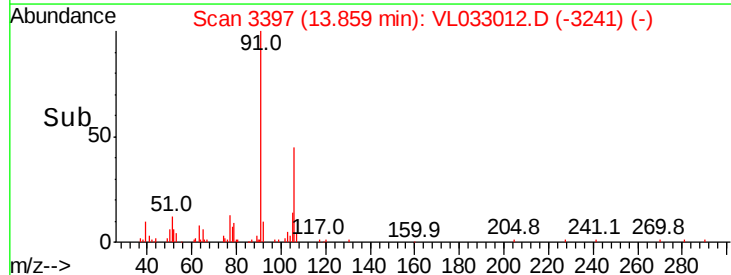
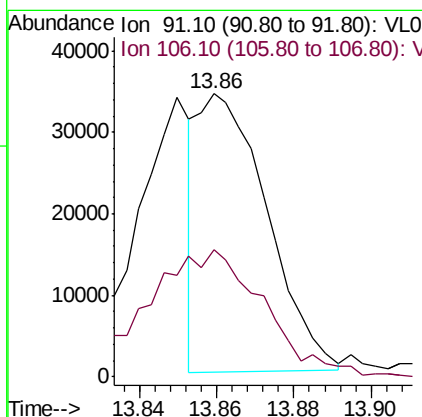
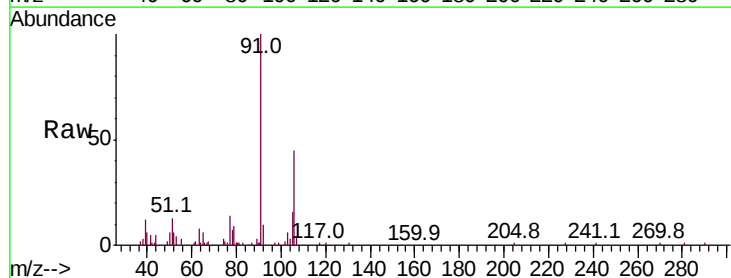
Acq: 18 Dec 2018 1:49

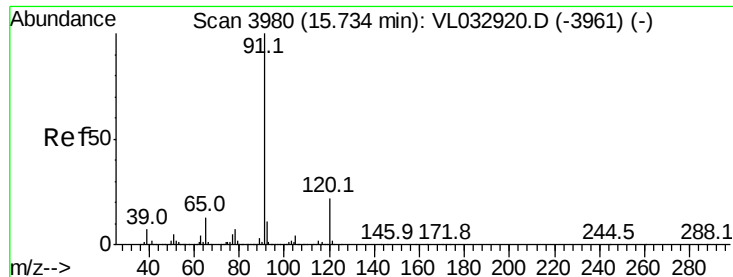
Tgt Ion: 91 Resp: 41896

Ion Ratio Lower Upper

91 100

106 80.5 21.9 65.8#





#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

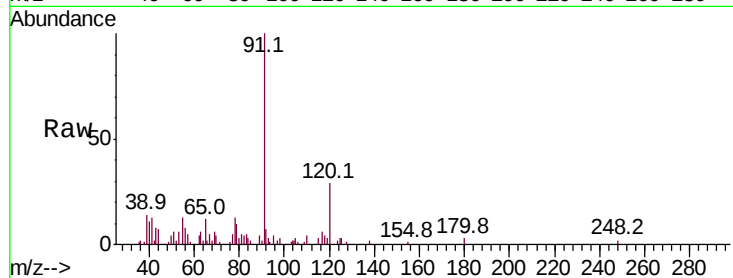
ClientSampleId :

Tot Ion:120 Resp: 3559

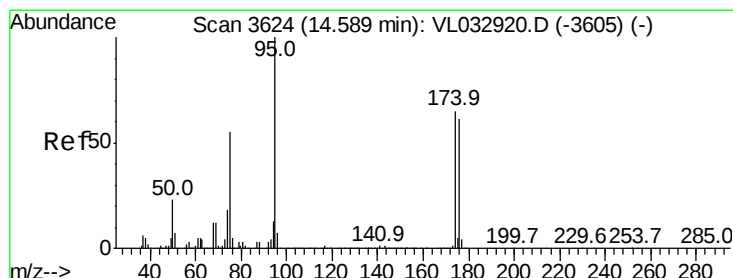
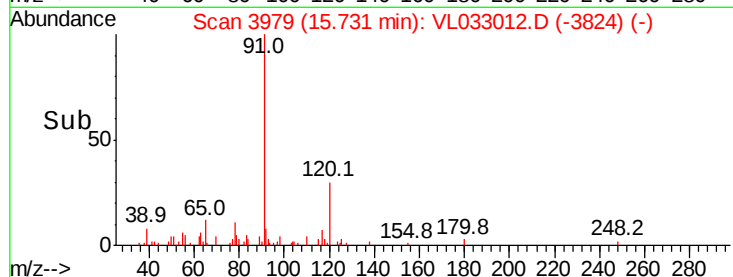
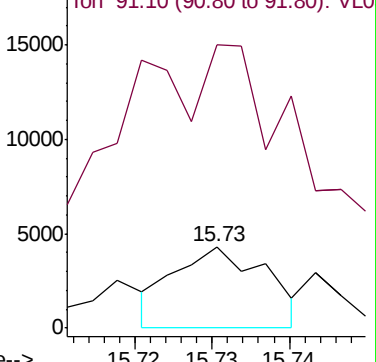
Ion Ratio Lower Upper

120 100

91 914.6 380.4 570.6#



Abundance Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 12.047 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

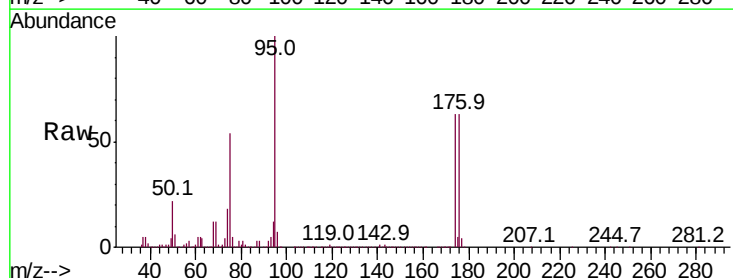
Tgt Ion: 95 Resp: 2222755

Ion Ratio Lower Upper

95 100

174 66.6 51.4 77.0

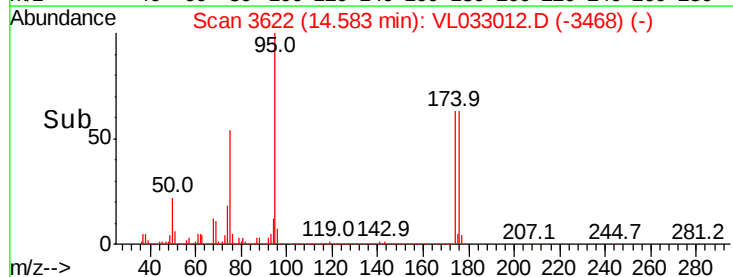
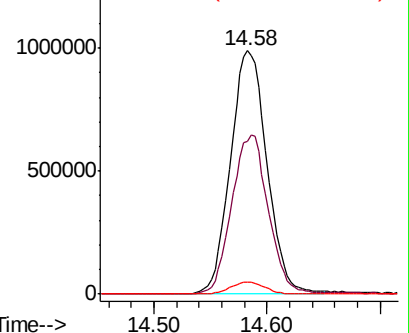
175 4.9 3.8 5.6

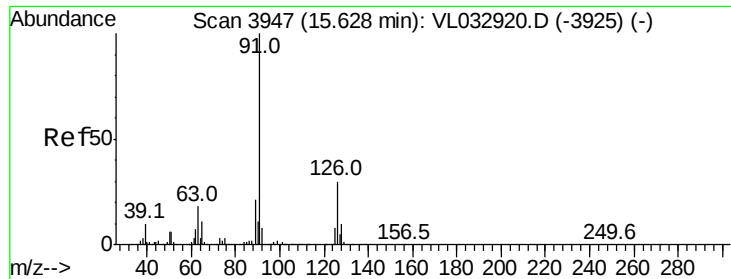


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

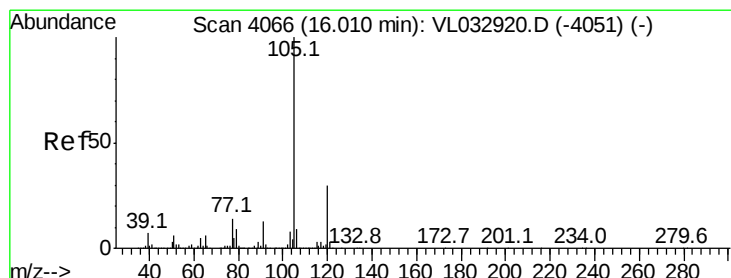
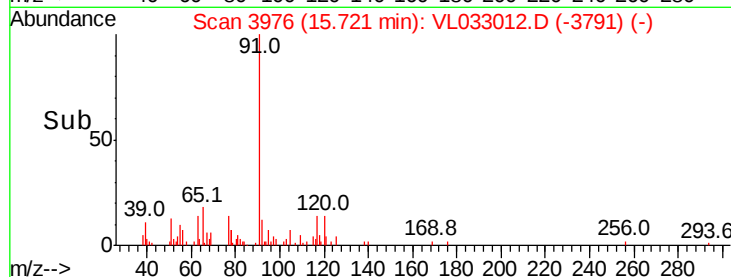
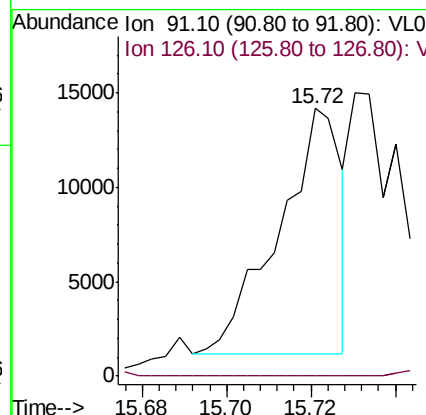
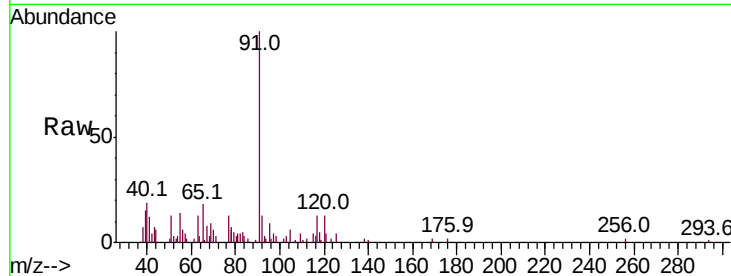




#71
2-Chlorotoluene
Concen: 0.053 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.09 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

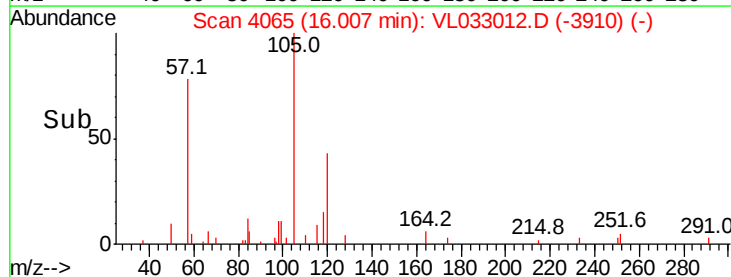
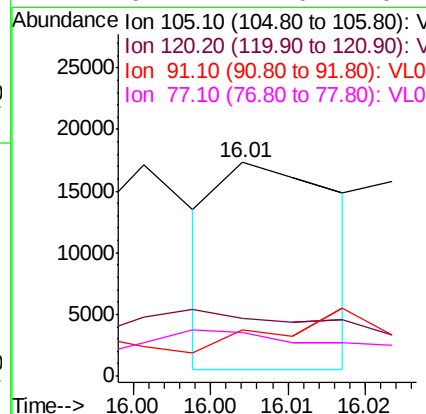
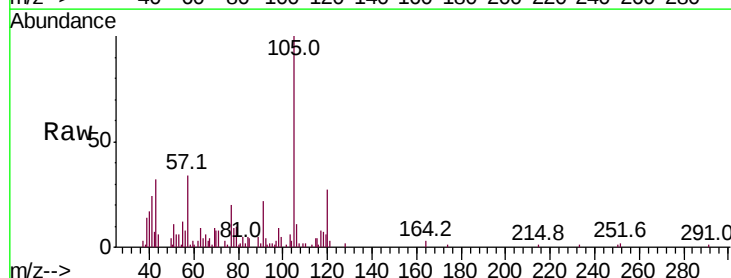
Instrument :
MSVOA_L
ClientSampleId :

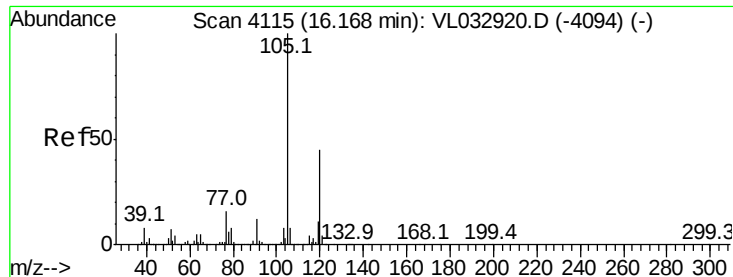
Tot Ion: 91 Resp: 13426
Ion Ratio Lower Upper
91 100
126 0.0 12.3 49.3#



#72
4-Ethyltoluene
Concen: 0.033 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033012.D
Acq: 18 Dec 2018 1:49

Tgt Ion:105 Resp: 9017
Ion Ratio Lower Upper
105 100
120 122.1 23.0 34.4#
91 0.0 10.4 15.6#
77 91.1 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.136 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

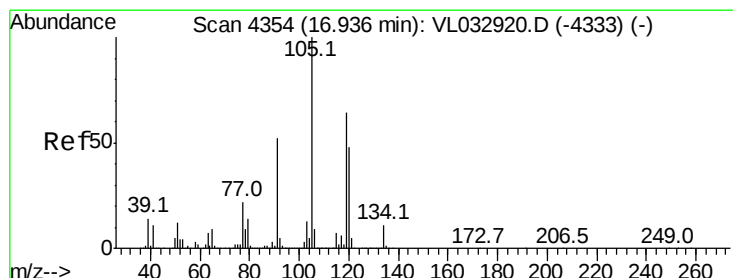
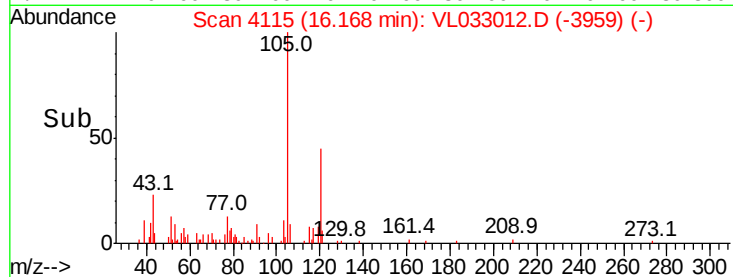
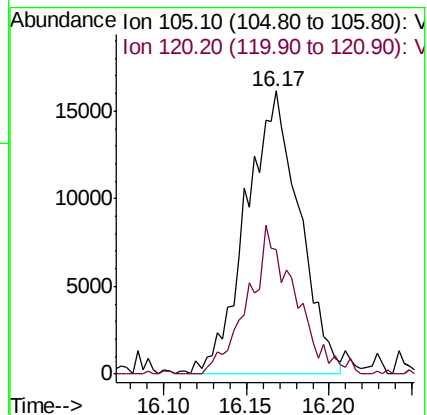
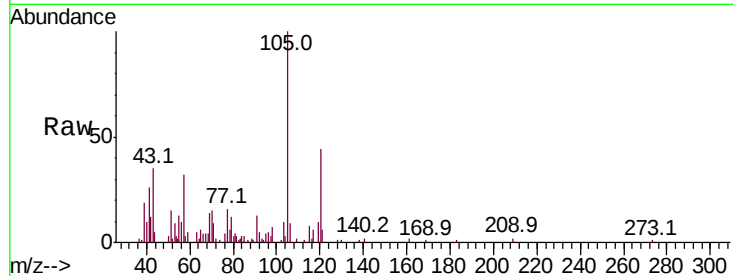
ClientSampleId :

Tot Ion:105 Resp: 36051

Ion Ratio Lower Upper

105 100

120 44.0 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 0.437 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Tgt Ion:105 Resp: 131044

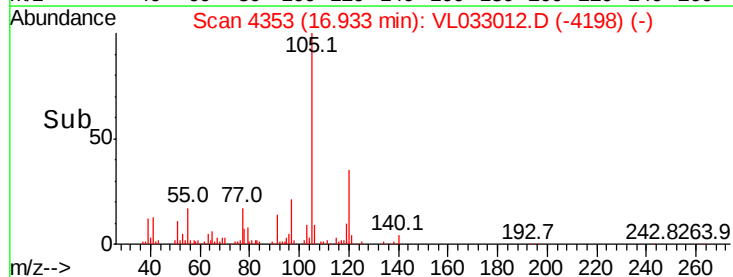
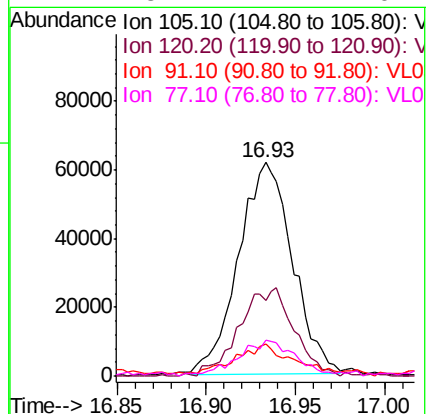
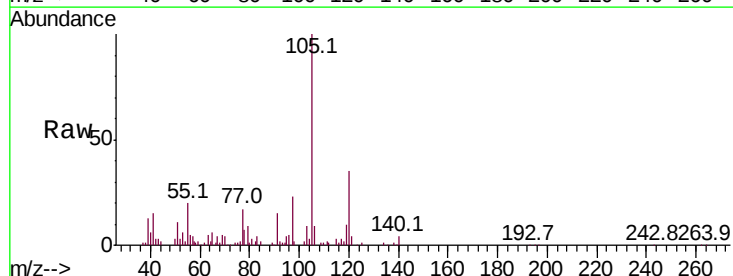
Ion Ratio Lower Upper

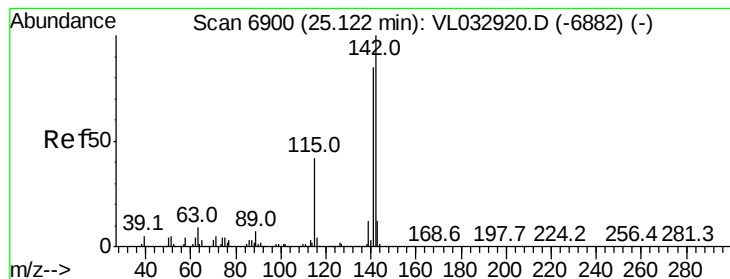
105 100

120 35.7 38.6 58.0#

91 13.9 41.7 62.5#

77 15.7 17.4 26.2#





#80

Naphthalene,2-methyl-

Concen: 0.046 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL033012.D

Acq: 18 Dec 2018 1:49

Instrument :

MSVOA_L

ClientSampleId :

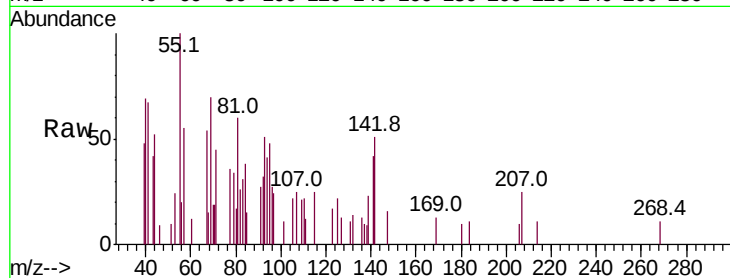
Tot Ion:142 Resp: 1919

Ion Ratio Lower Upper

142 100

141 84.2 68.2 102.2

115 80.9 35.1 52.7#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

