

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\
 Data File : VL033161.D
 Acq On : 4 Feb 2019 19:15
 Operator : SY/AP
 Sample : K1267-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA2

Quant Time: Feb 05 01:05:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 04 14:41:39 2019
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	967391	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.30	114	2227164	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2447851	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1929511	10.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.08	85	89196	0.626	ppbv 96
3) Chlorodifluoromethane	3.02	51	41591	0.386	ppbv 94
4) Chloromethane	3.18	50	6266	0.103	ppbv 99
9) Propene	3.04	41	68819	1.271	ppbv 96
10) Heptane	8.26	43	151943	0.901	ppbv # 1
11) Trichlorofluoromethane	4.00	101	33109	0.241	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.56	101	2731	0.031	ppbv # 13
13) Ethanol	3.66	45	104499	4.896	ppbv 97
15) Acetone	3.90	43	8885300	77.144	ppbv 95
16) 1,3-Butadiene	3.37	39	2404	0.051	ppbv # 1
17) tert-Butyl alcohol	4.40	59	2912	0.114	ppbv # 73
19) Isopropyl Alcohol	4.05	45	27913	0.341	ppbv # 43
20) Methylene Chloride	4.42	84	12551	0.316	ppbv 91
21) Allyl Chloride	4.44	41	10662	0.154	ppbv # 1
23) Vinyl Acetate	5.14	43	20174	0.108	ppbv # 1
25) Ethyl Acetate	5.78	43	80369	0.338	ppbv # 81
26) Hexane	5.79	57	63066	0.566	ppbv # 37
30) Cyclohexane	7.25	84	56232	0.526	ppbv 99
34) 2-Butanone	5.34	43	23524	0.168	ppbv # 57
35) Carbon Tetrachloride	7.14	117	5107	0.036	ppbv 93
36) Benzene	7.01	78	246310	1.094	ppbv 99
39) 1,2-Dichloropropane	7.30	63	586850	6.796	ppbv # 25
42) Bromodichloromethane	7.92	83	21898	0.130	ppbv # 30
44) 2,2,4-Trimethylpentane	7.99	57	198459	0.525	ppbv # 30
52) Tetrachloroethene	11.38	164	9938	0.127	ppbv # 75
53) Toluene	9.95	91	8181249	30.595	ppbv 99
58) Ethyl Benzene	12.87	91	443440	1.151	ppbv 93
59) m/p-Xylene	13.12	91	588305	1.865	ppbv # 27
60) o-Xylene	13.85	91	427746	1.470	ppbv 97
61) Styrene	13.69	104	128766	0.553	ppbv 97
62) Isopropylbenzene	14.83	105	4107089	9.887	ppbv 98
64) n-propylbenzene	15.72	120	35287	0.326	ppbv 71
67) sec-Butylbenzene	17.46	105	31535	0.059	ppbv 94
69) p-Isopropyltoluene	17.82	119	103874	0.236	ppbv # 90
72) 4-Ethyltoluene	16.00	105	213033	0.612	ppbv 98
73) 1,3,5-Trimethylbenzene	16.16	105	100900	0.301	ppbv # 78
74) 1,2,4-Trimethylbenzene	16.93	105	560662	1.639	ppbv # 75
79) Naphthalene	22.40	128	15796	0.039	ppbv 96
80) Naphthalene,2-methyl-	25.11	142	9813	0.048	ppbv 98

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SSA2

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 04 14:41:39 2019
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration

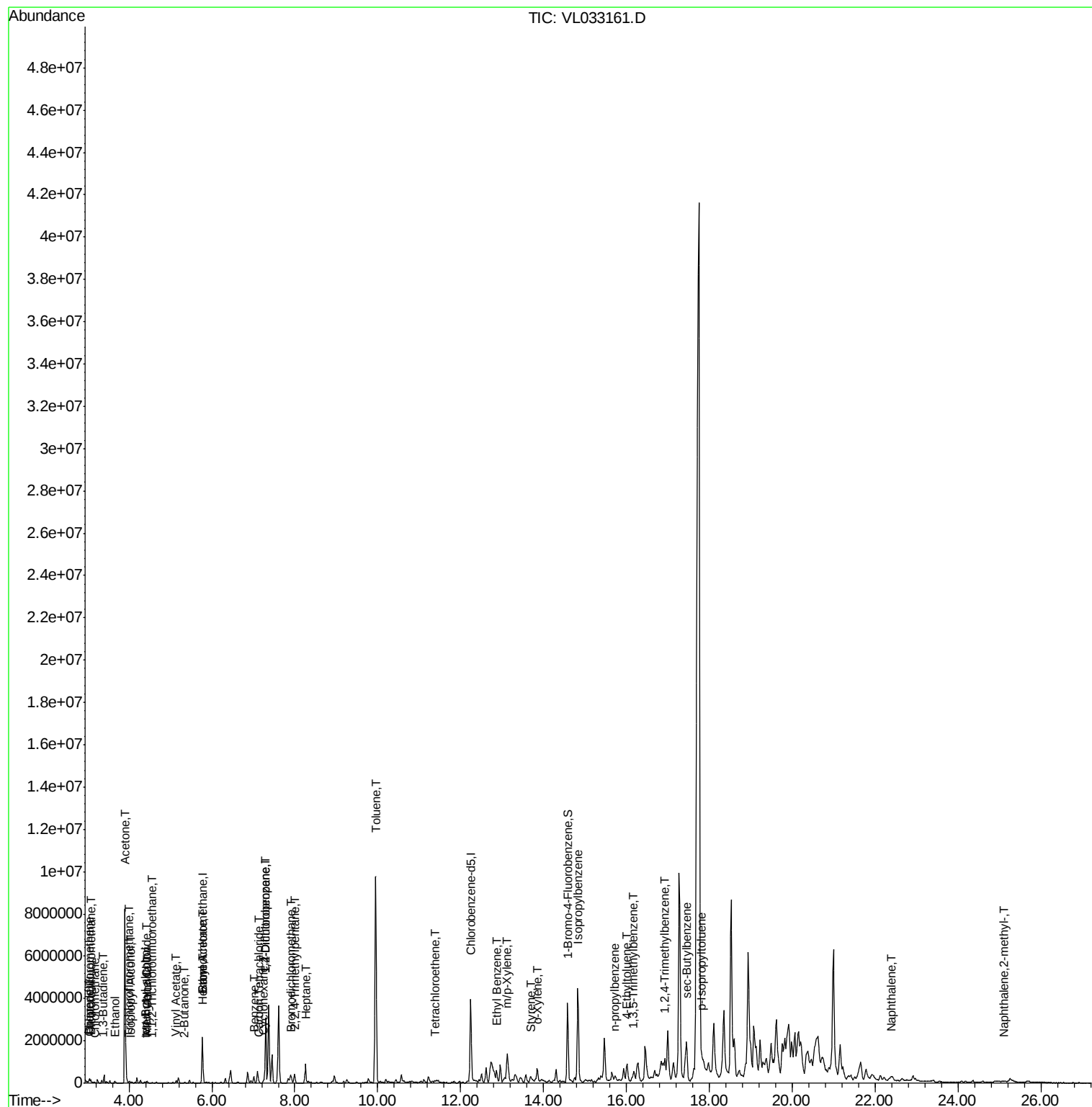
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

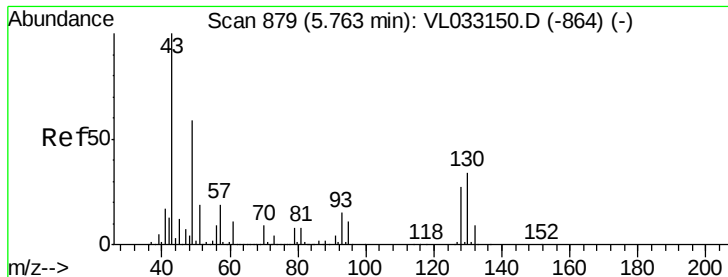
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

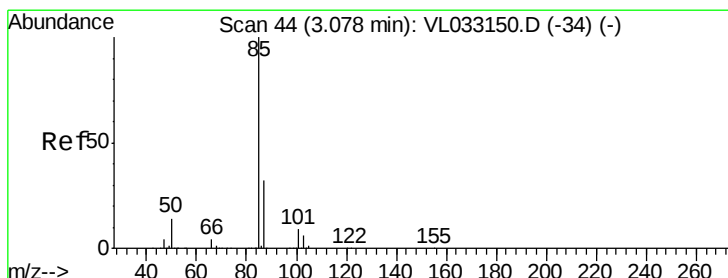
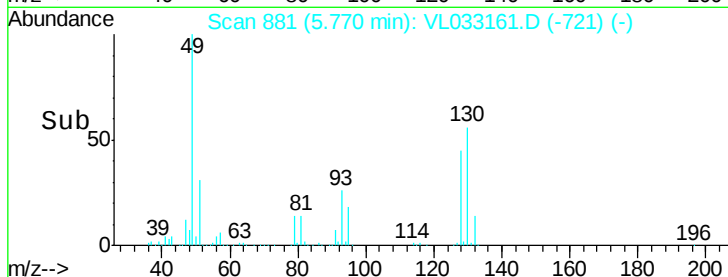
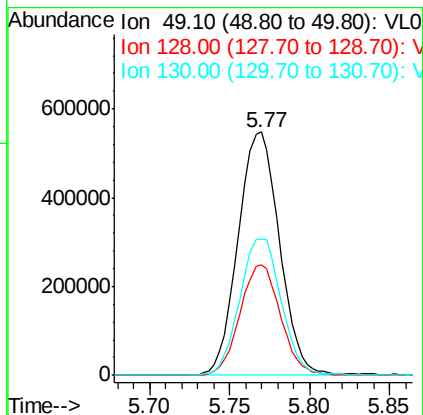
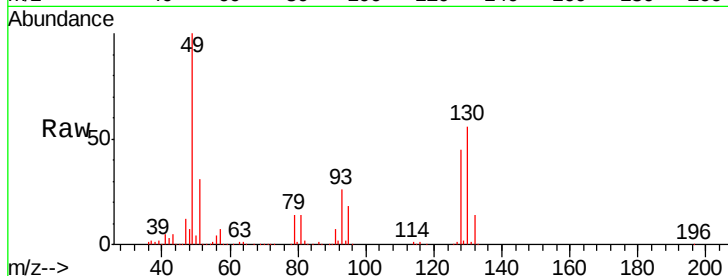
Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :
MSVOA_L
ClientSampleId :
SSA2

Tgt Ion:	49	Resp:	967391
Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.2	69.5
130	56.5	29.5	88.6



#2

Dichlorodifluoromethane

Concen: 0.626 ppbv

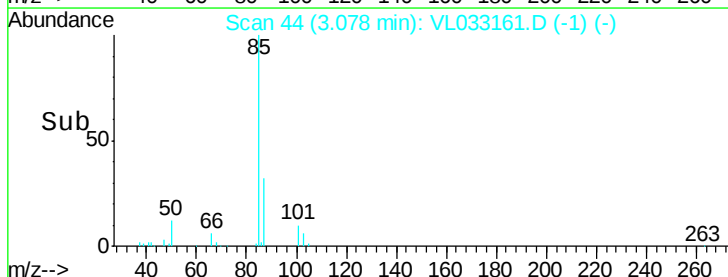
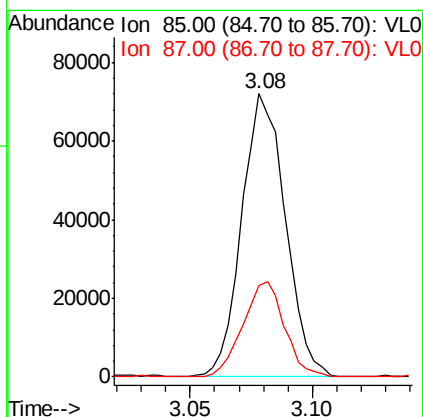
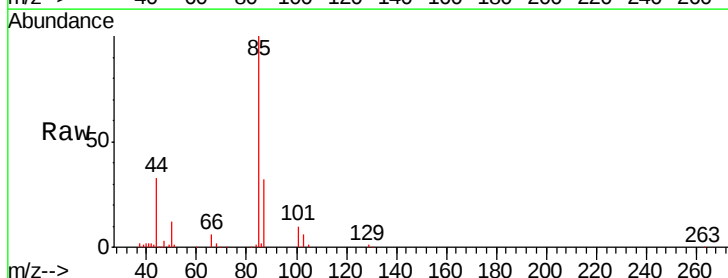
RT: 3.08 min Scan# 44

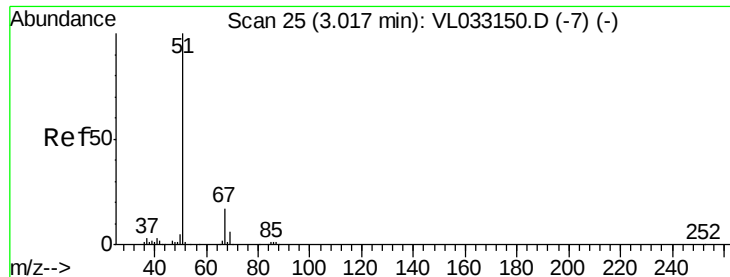
Delta R.T. 0.00 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Tgt Ion:	85	Resp:	89196
Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.4	41.0





#3

Chlorodifluoromethane

Concen: 0.386 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

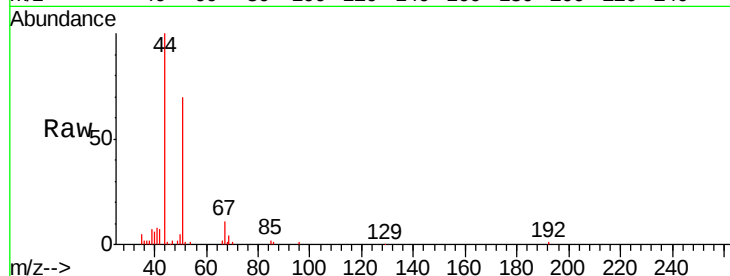
SSA2

Tgt Ion: 51 Resp: 41591

Ion Ratio Lower Upper

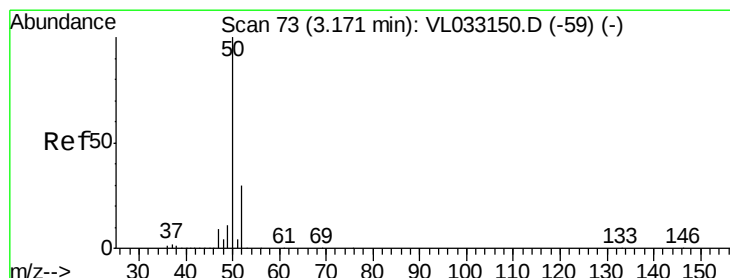
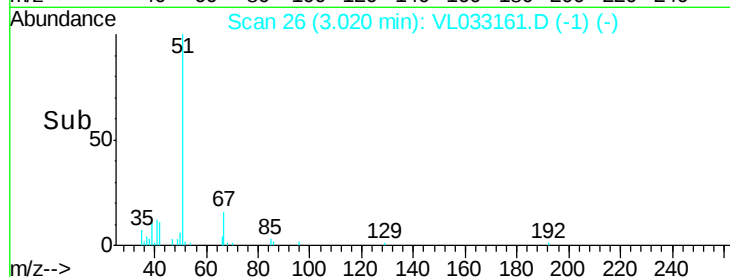
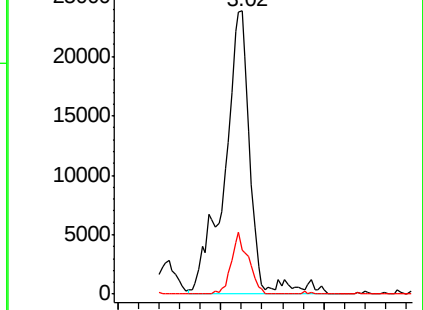
51 100

67 14.4 13.4 20.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.103 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL033161.D

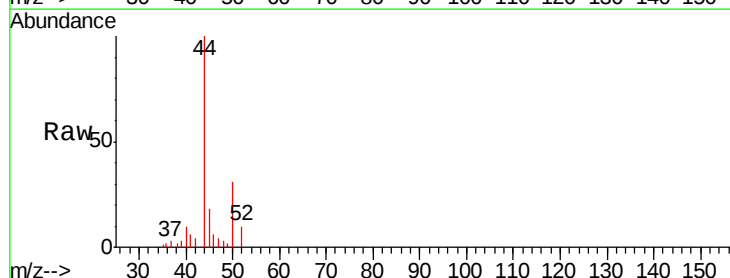
Acq: 4 Feb 2019 19:15

Tgt Ion: 50 Resp: 6266

Ion Ratio Lower Upper

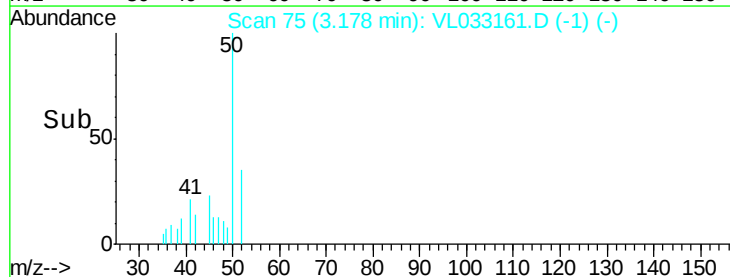
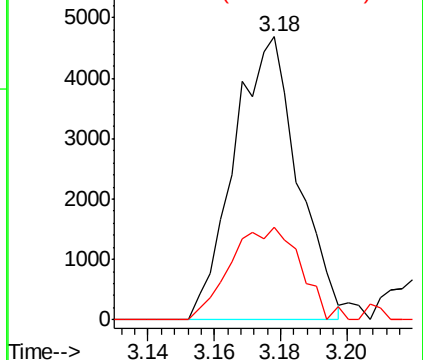
50 100

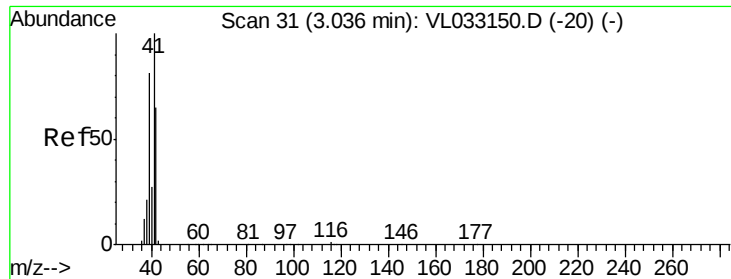
52 32.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.271 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampled :

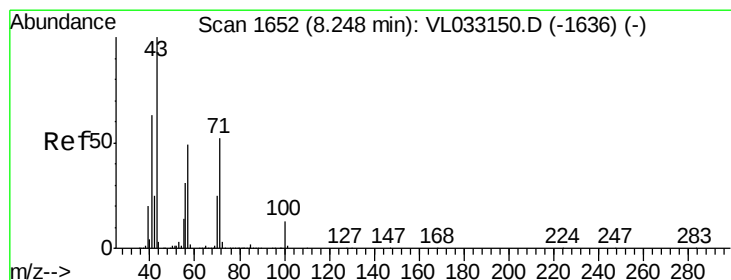
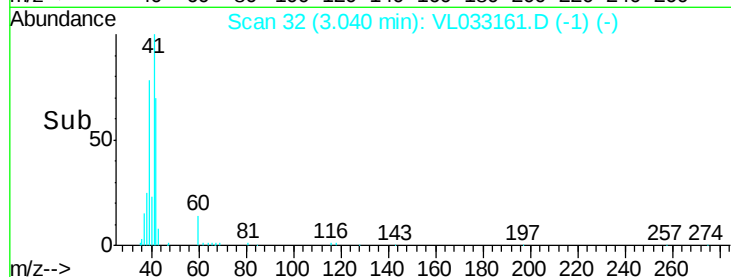
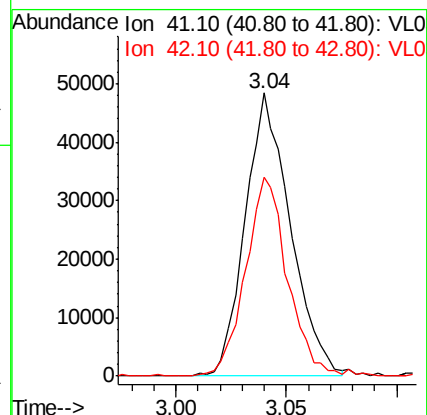
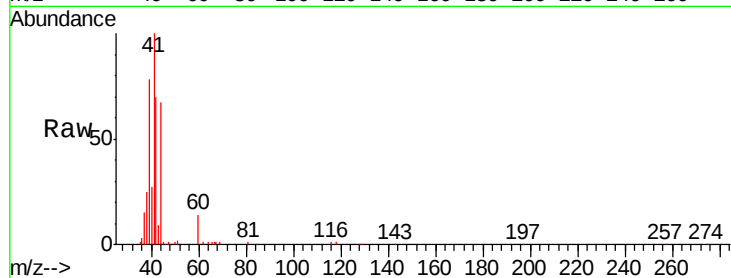
SSA2

Tgt Ion: 41 Resp: 68819

Ion Ratio Lower Upper

41 100

42 65.9 55.1 82.7



#10

Heptane

Concen: 0.901 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.02 min

Lab File: VL033161.D

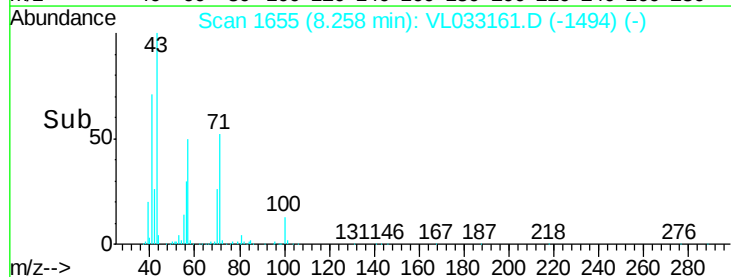
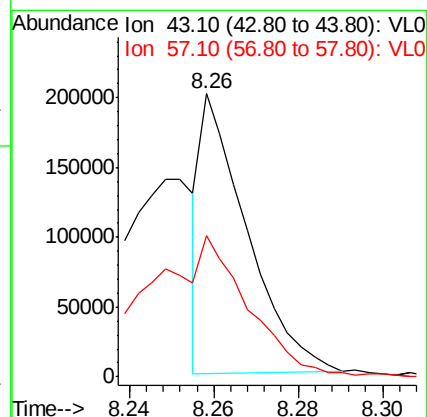
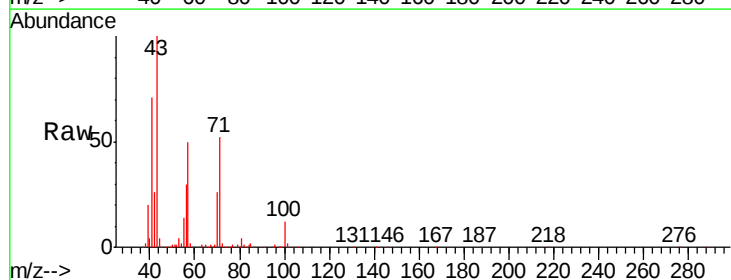
Acq: 4 Feb 2019 19:15

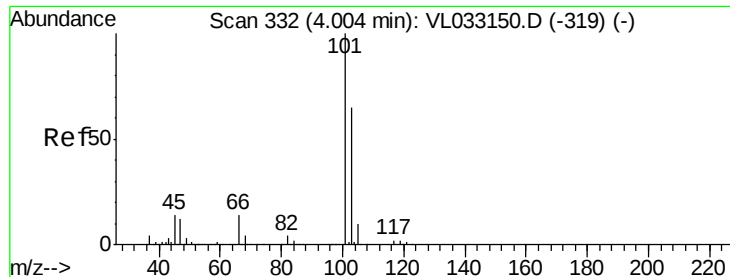
Tgt Ion: 43 Resp: 151943

Ion Ratio Lower Upper

43 100

57 117.4 39.3 58.9#

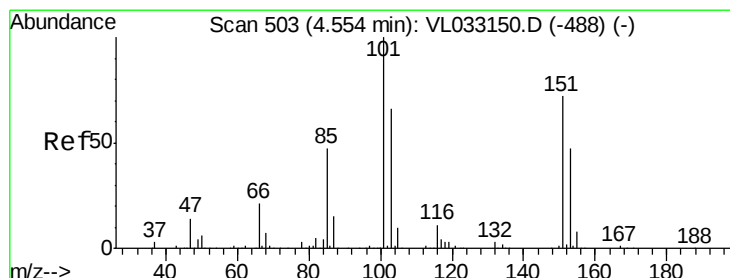
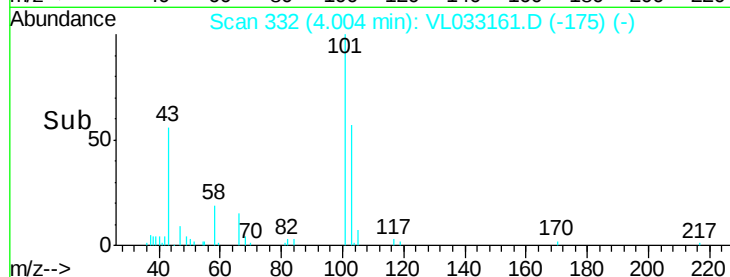
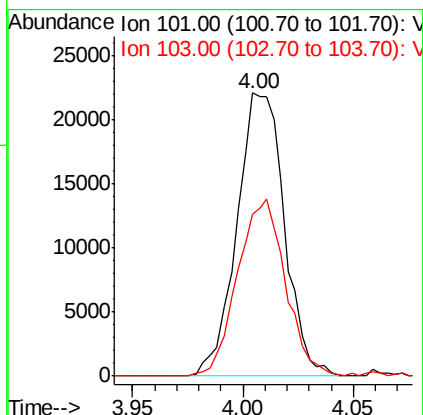
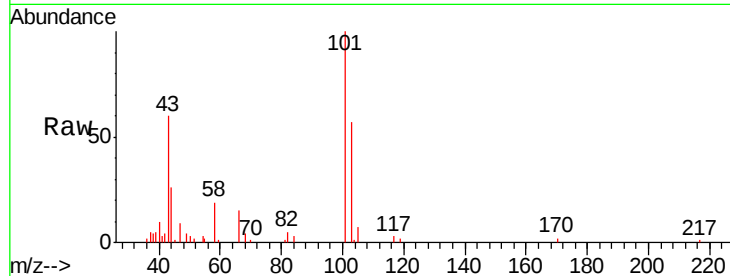




#11
 Trichlorofluoromethane
 Concen: 0.241 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033161.D
 Acq: 4 Feb 2019 19:15

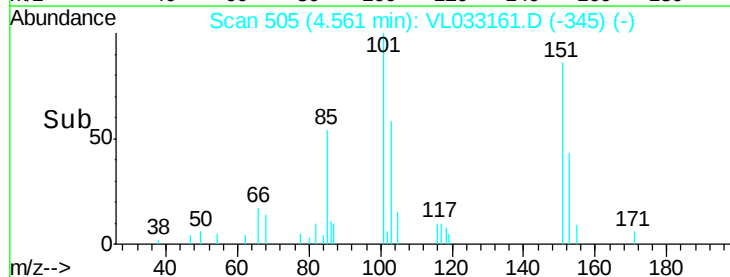
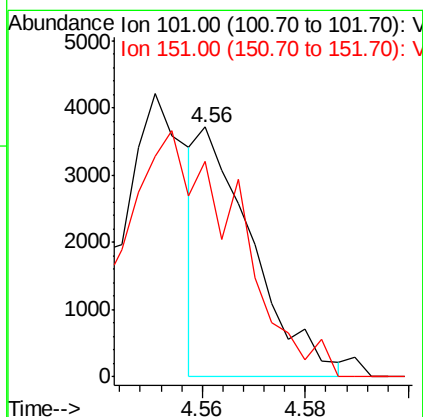
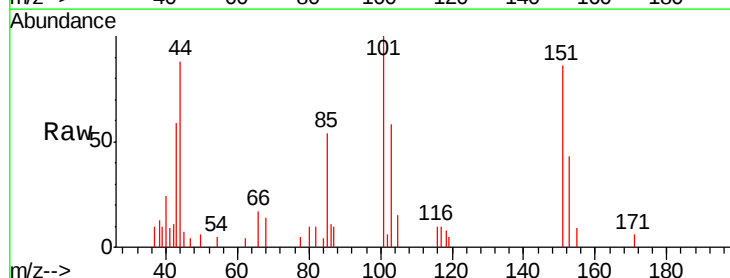
Instrument :
 MSVOA_L
 ClientSampleId :
 SSA2

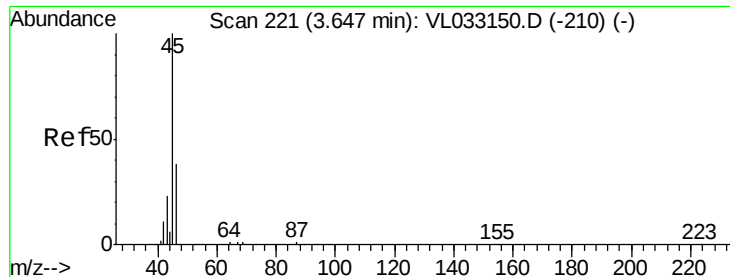
Tgt Ion:101 Resp: 33109
 Ion Ratio Lower Upper
 101 100
 103 58.1 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.031 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VL033161.D
 Acq: 4 Feb 2019 19:15

Tgt Ion:101 Resp: 2731
 Ion Ratio Lower Upper
 101 100
 151 0.0 57.9 86.9#

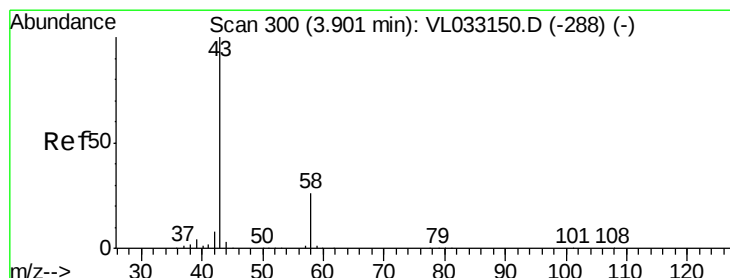
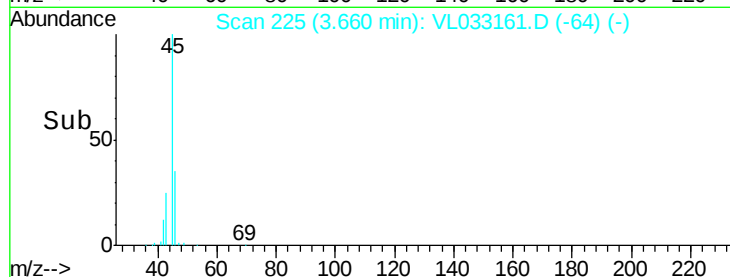
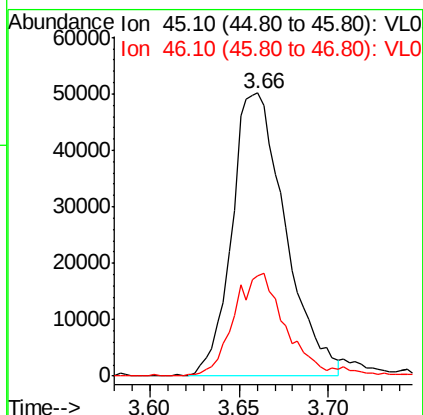
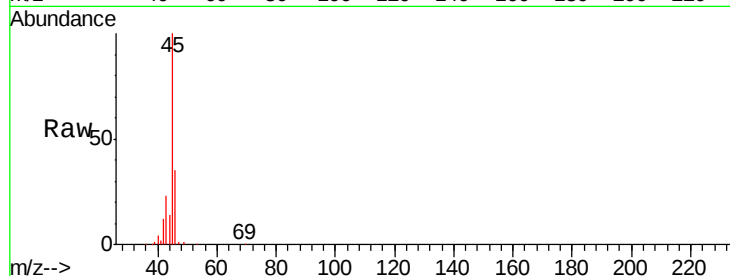




#13
Ethanol
Concen: 4.896 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.02 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

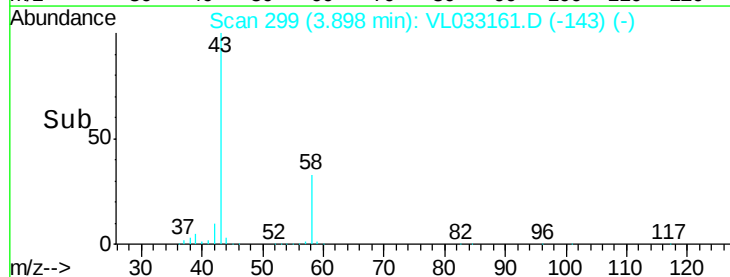
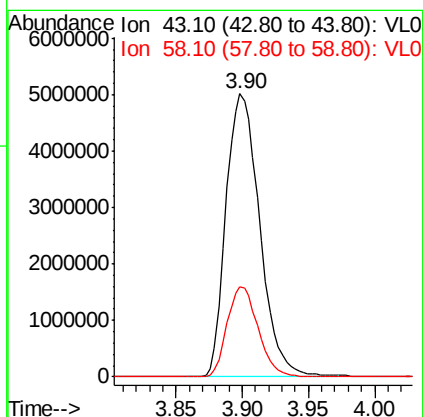
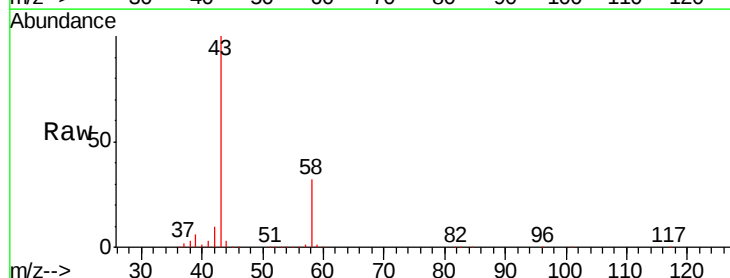
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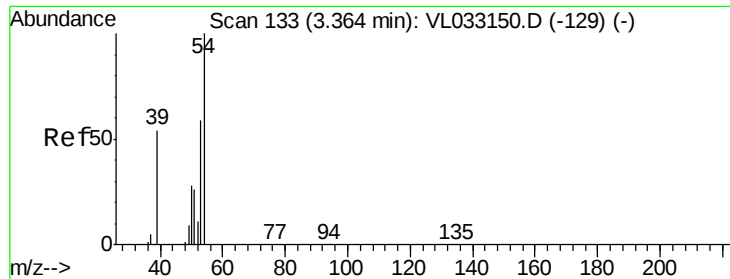
Tgt Ion: 45 Resp: 104499
Ion Ratio Lower Upper
45 100
46 36.8 14.0 56.2



#15
Acetone
Concen: 77.144 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 43 Resp: 8885300
Ion Ratio Lower Upper
43 100
58 29.5 21.8 32.6

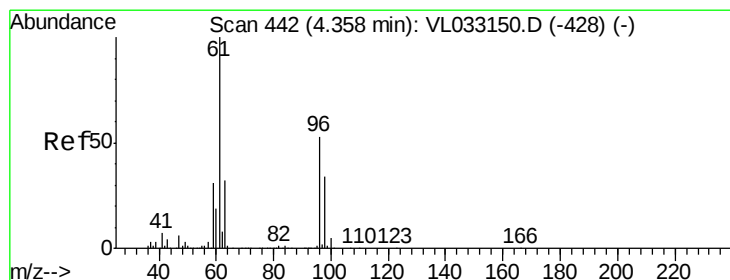
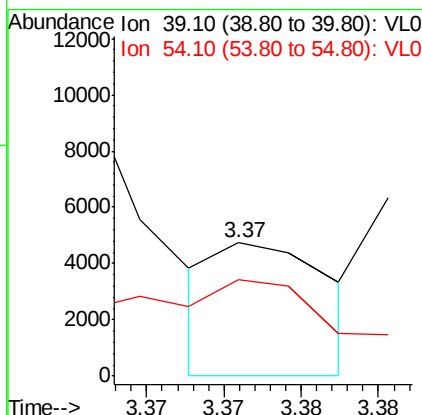
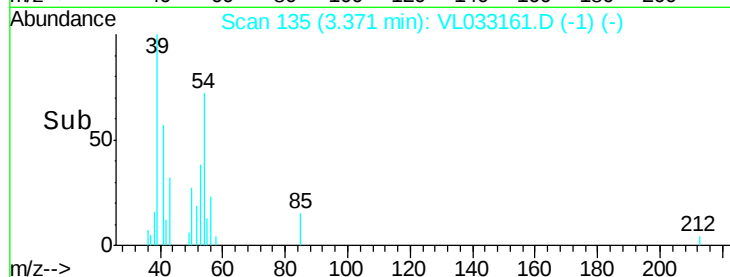
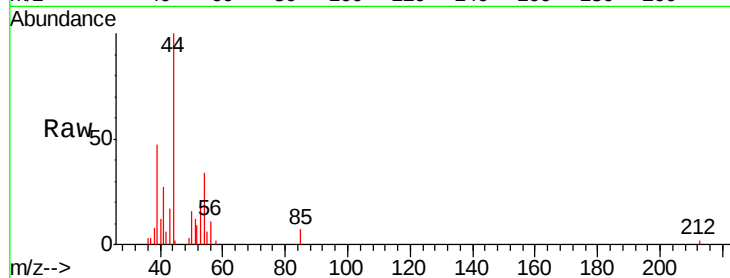




#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

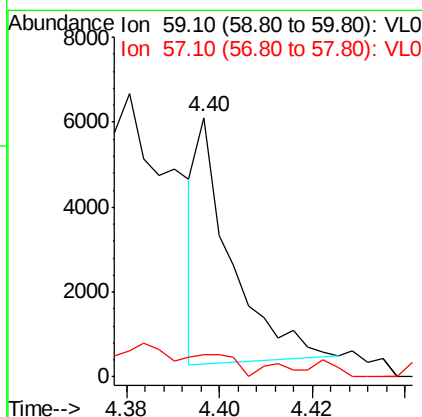
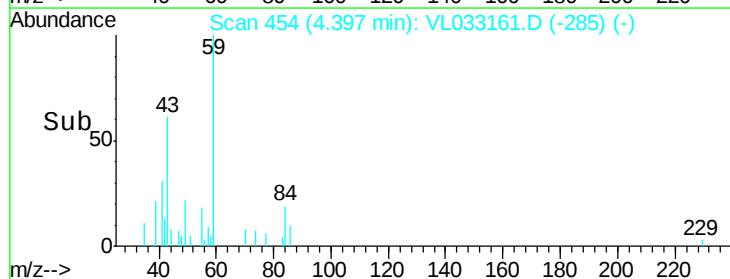
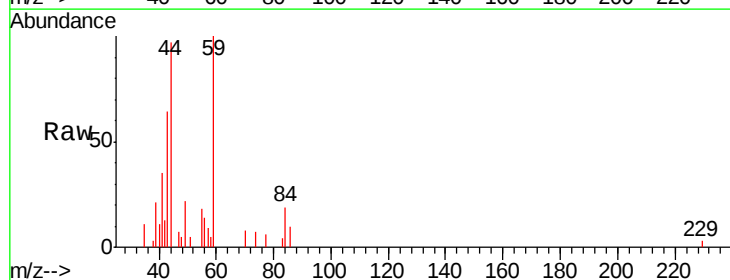
Instrument :
MSVOA_L
ClientSampleId :
SSA2

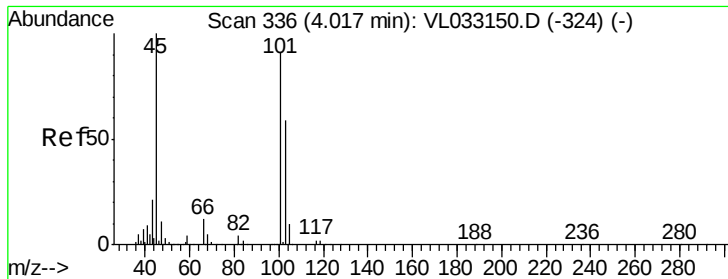
Tgt Ion: 39 Resp: 2404
Ion Ratio Lower Upper
39 100
54 257.6 75.0 112.6#



#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 4.40 min Scan# 454
Delta R.T. 0.04 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 59 Resp: 2912
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





#19

Isopropyl Alcohol

Concen: 0.341 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.03 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

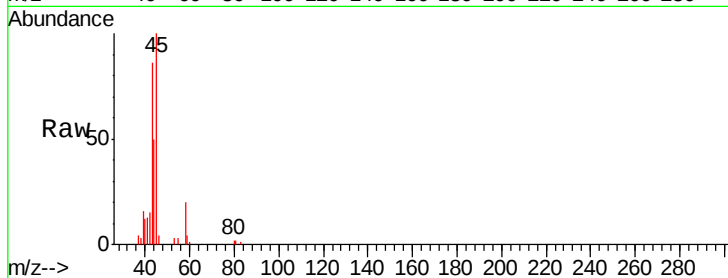
SSA2

Tgt Ion: 45 Resp: 27913

Ion Ratio Lower Upper

45 100

58 0.0 25.1 37.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.05

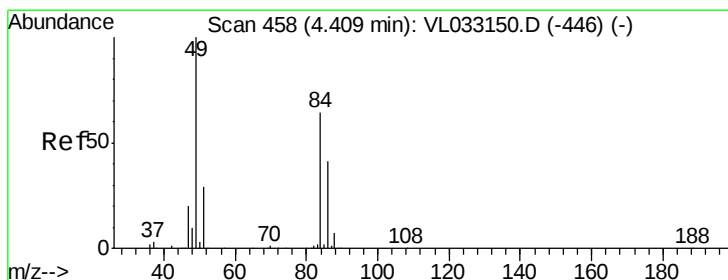
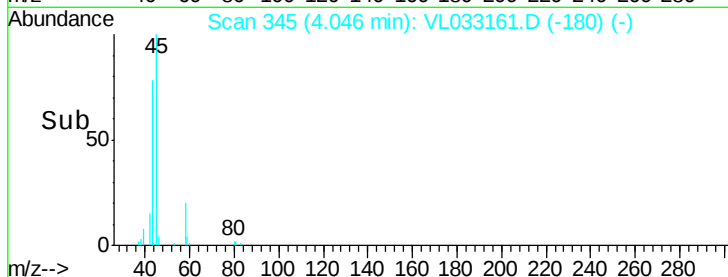
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 0.316 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.02 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Tgt Ion: 84 Resp: 12551

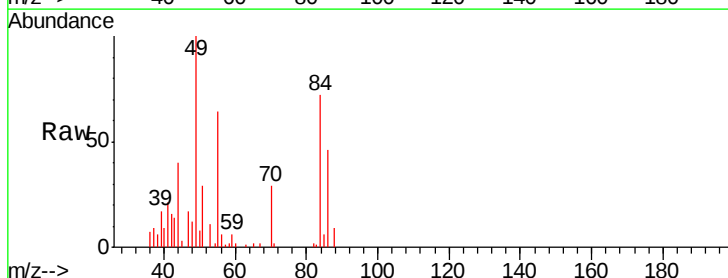
Ion Ratio Lower Upper

84 100

49 136.5 121.1 181.7

51 40.3 37.5 56.3

86 64.5 51.0 76.4



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

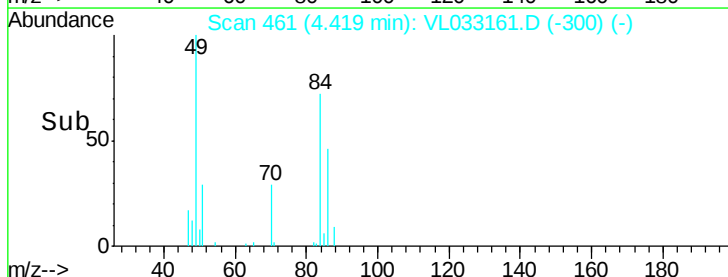
15000

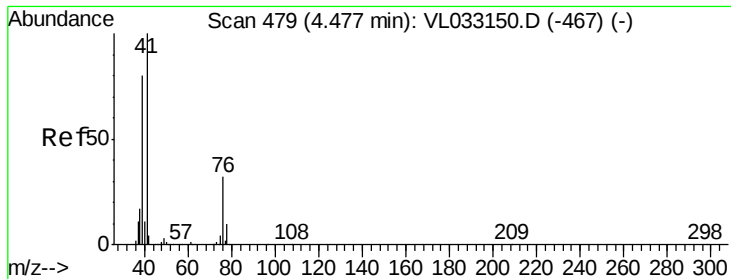
10000

5000

0

Time-->





#21

Allyl Chloride

Concen: 0.154 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.04 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

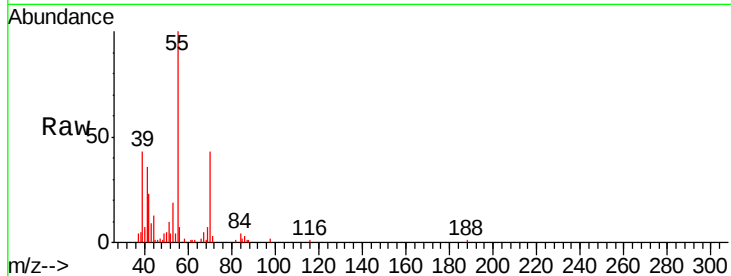
Tgt Ion: 41 Resp: 10662

Ion Ratio Lower Upper

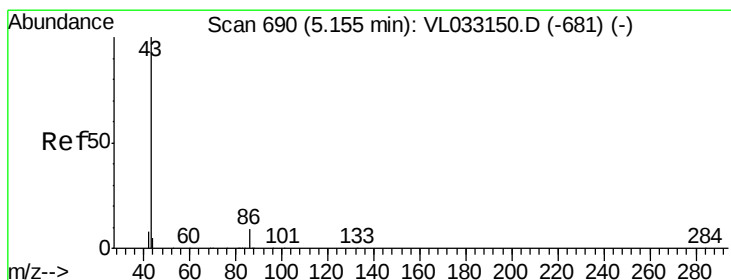
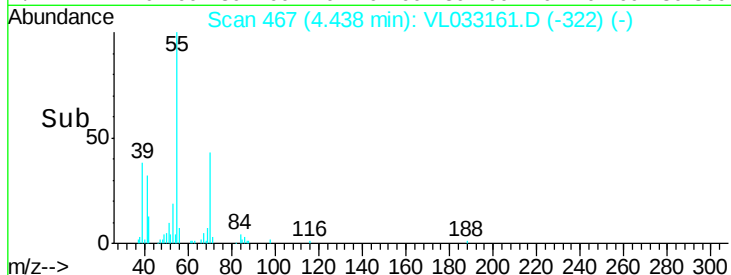
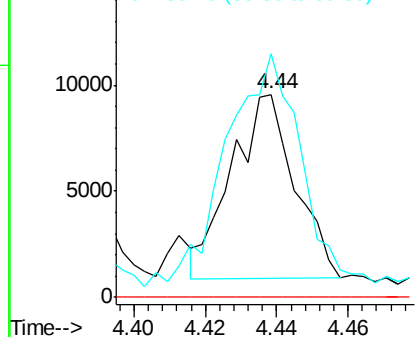
41 100

76 0.0 23.2 34.8#

39 180.0 61.8 92.6#



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: 0.108 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Tgt Ion: 43 Resp: 20174

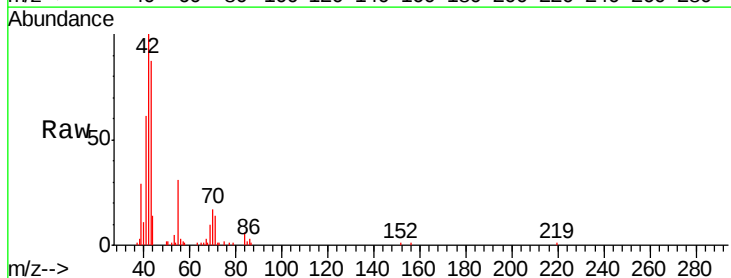
Ion Ratio Lower Upper

43 100

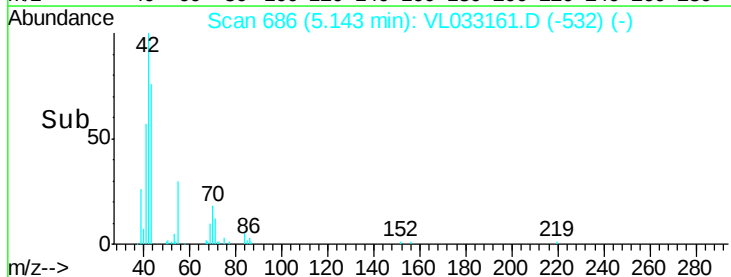
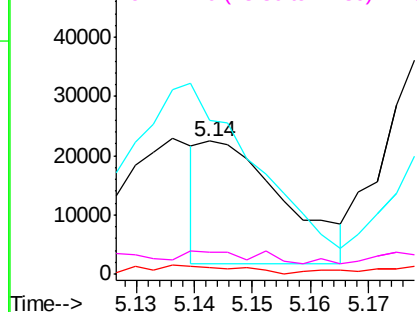
86 2.7 6.2 9.4#

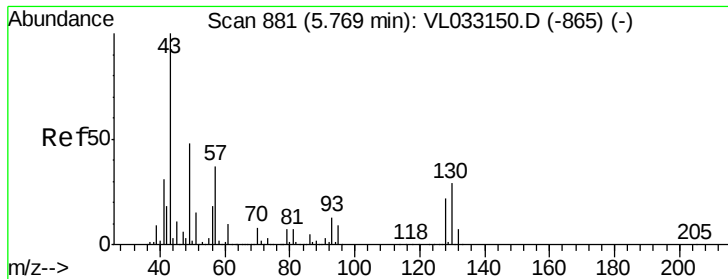
42 155.3 7.7 11.5#

44 13.0 3.8 5.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 0.338 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.02 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

Tgt Ion: 43 Resp: 80369

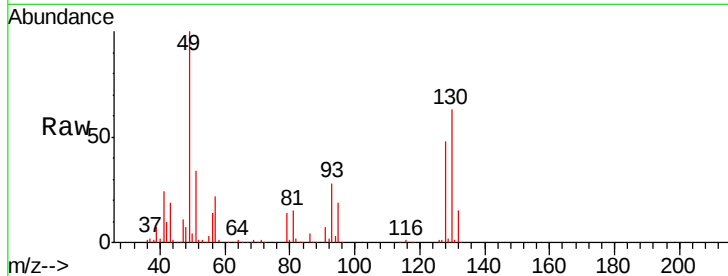
Ion Ratio Lower Upper

43 100

45 3.3 8.0 12.0#

61 0.9 7.4 11.2#

70 1.9 5.9 8.9#

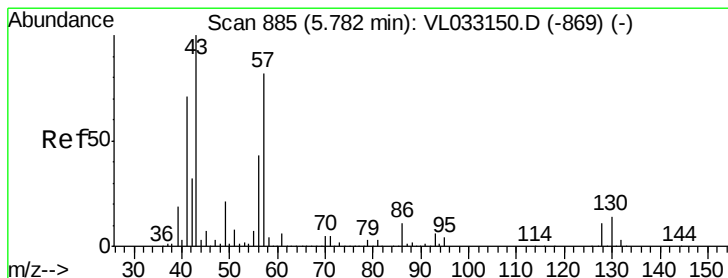
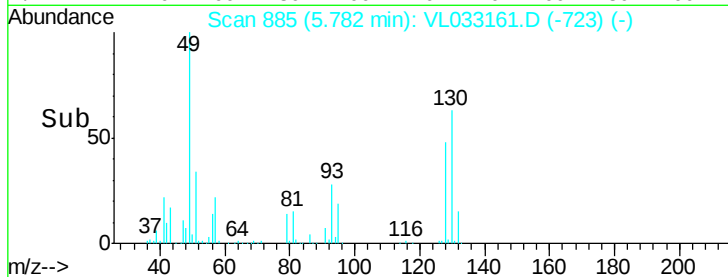
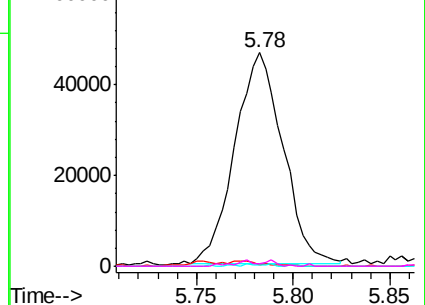


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.566 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Tgt Ion: 57 Resp: 63066

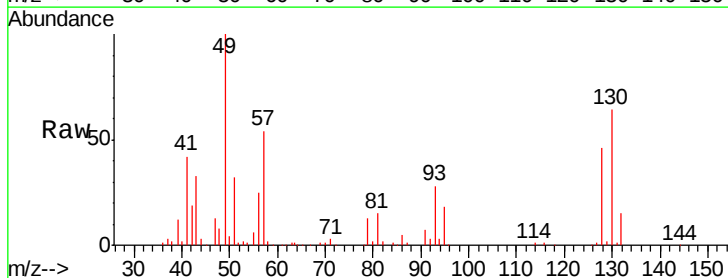
Ion Ratio Lower Upper

57 100

41 163.5 69.5 104.3#

43 132.1 175.5 263.3#

56 98.5 41.6 62.4#

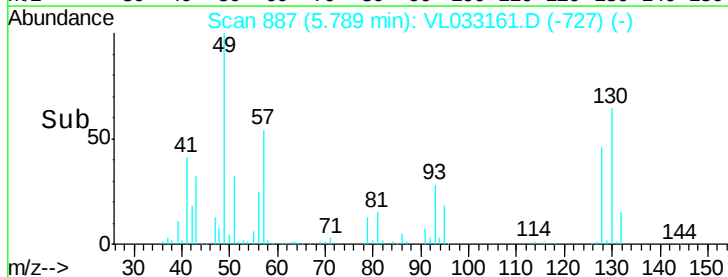
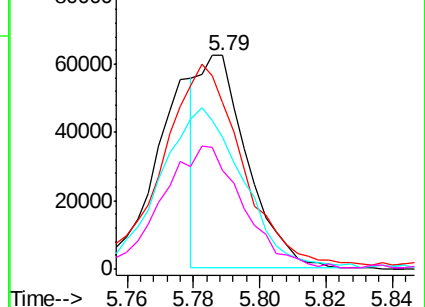


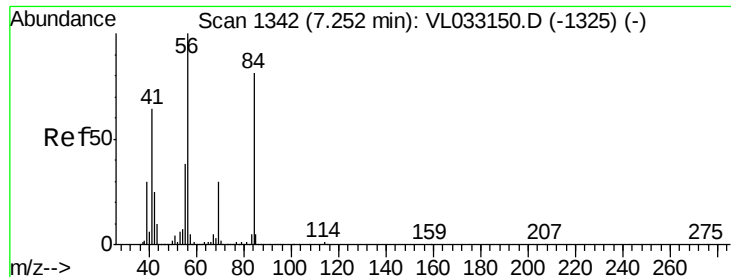
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

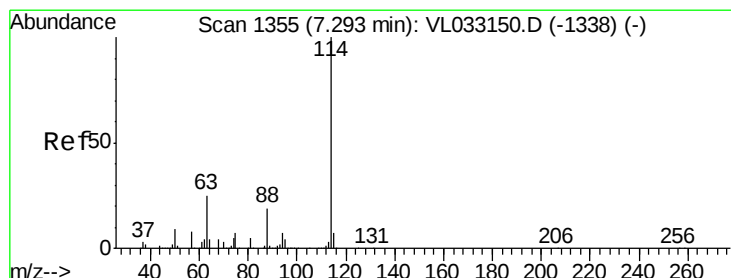
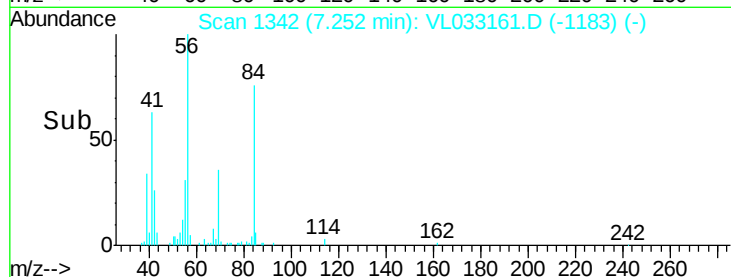
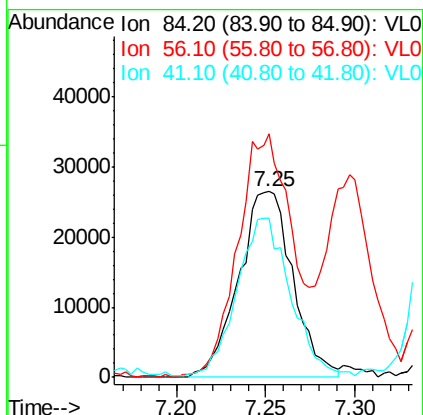
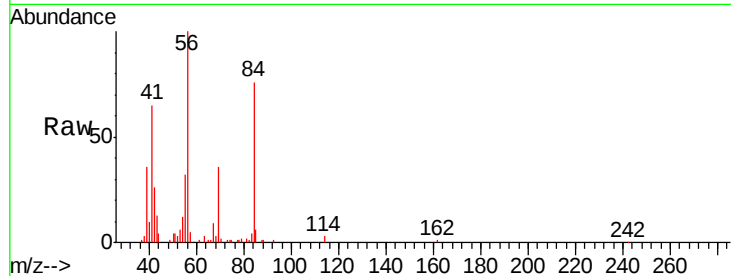




#30
Cyclohexane
Concen: 0.526 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

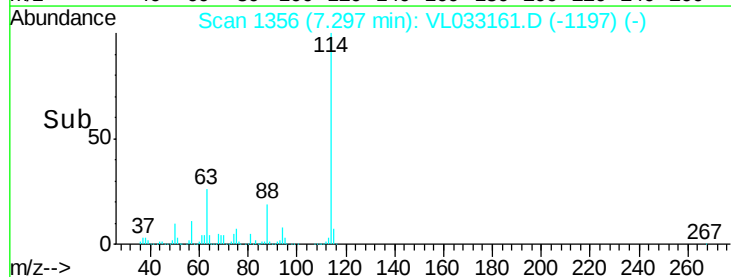
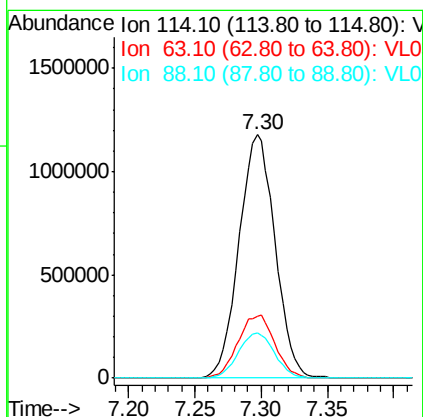
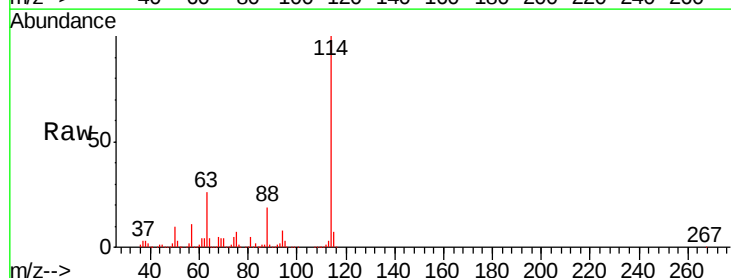
Instrument :
MSVOA_L
ClientSampleId :
SSA2

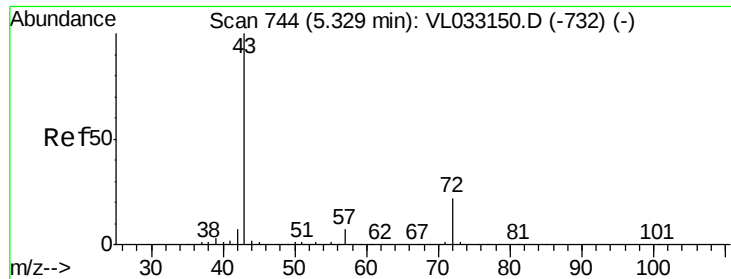
Tgt Ion: 84 Resp: 56232
Ion Ratio Lower Upper
84 100
56 134.1 109.0 163.4
41 82.3 65.3 97.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 114 Resp: 2227164
Ion Ratio Lower Upper
114 100
63 26.8 20.0 30.0
88 18.7 14.4 21.6

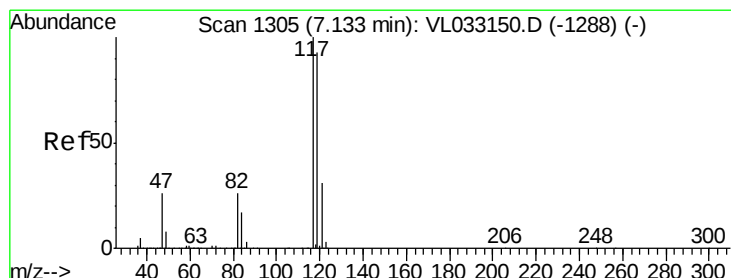
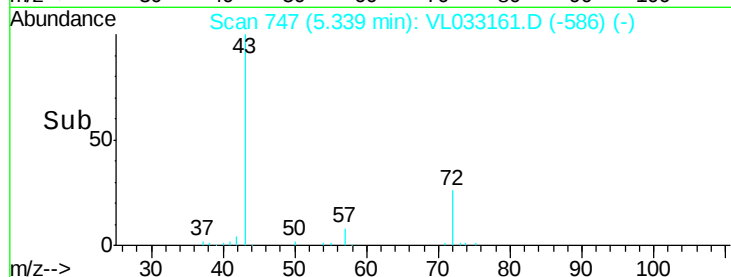
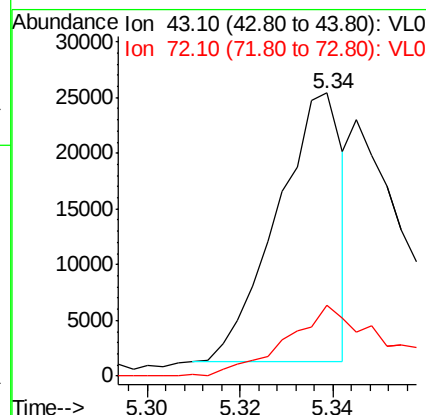
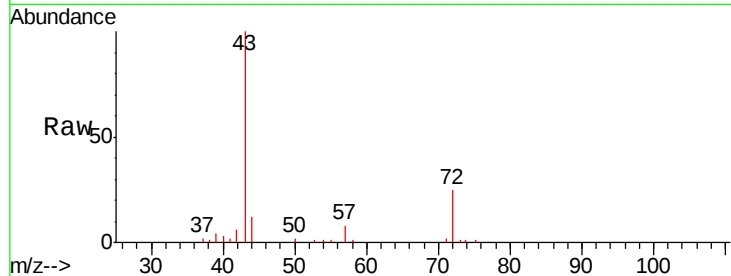




#34
2-Butanone
Concen: 0.168 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.02 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

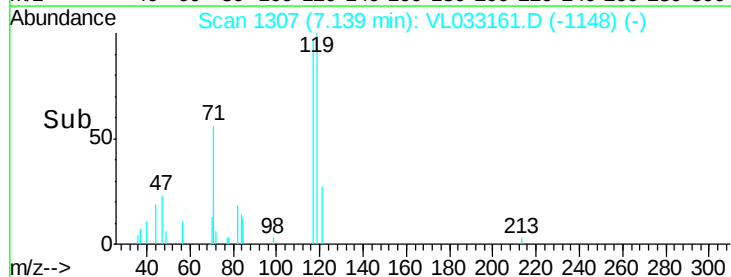
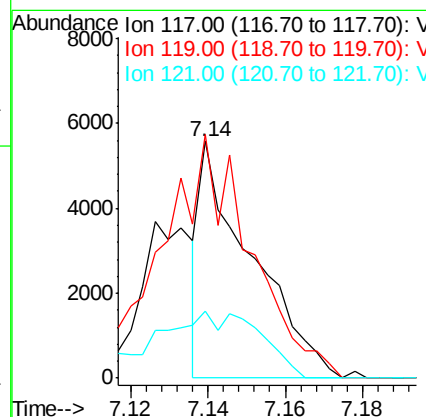
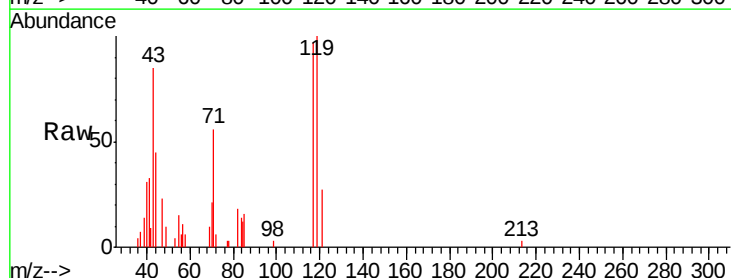
Instrument :
MSVOA_L
ClientSampleId :
SSA2

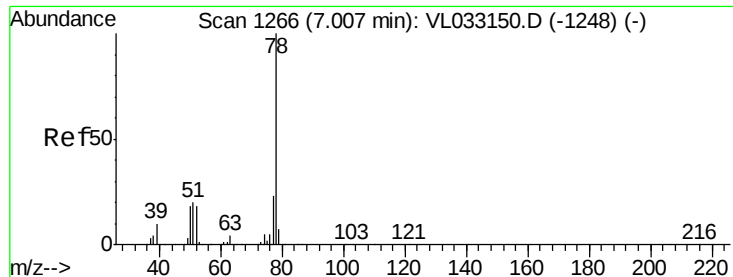
Tgt Ion: 43 Resp: 23524
Ion Ratio Lower Upper
43 100
72 42.9 17.9 26.9#



#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 117 Resp: 5107
Ion Ratio Lower Upper
117 100
119 102.9 76.6 114.8
121 28.1 25.0 37.4

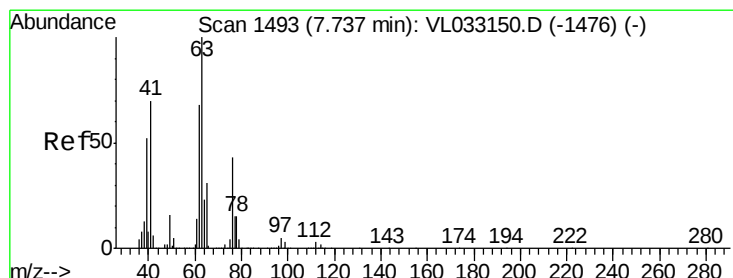
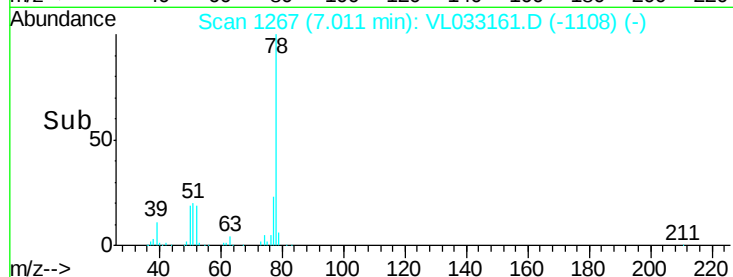
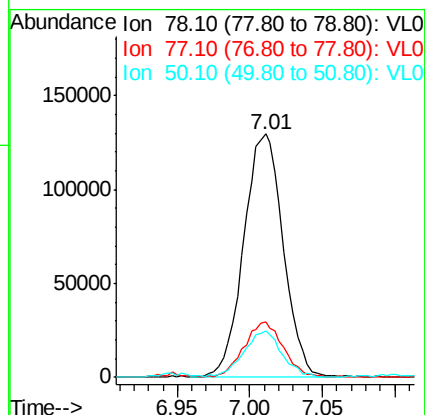
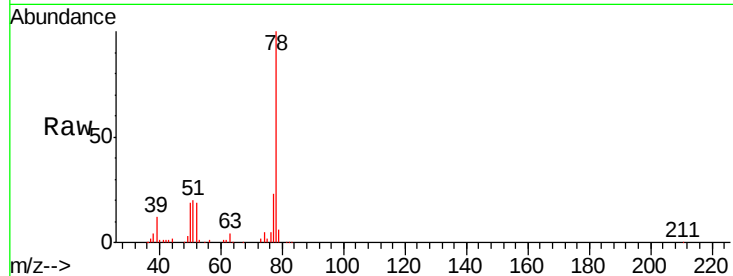




#36
Benzene
Concen: 1.094 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

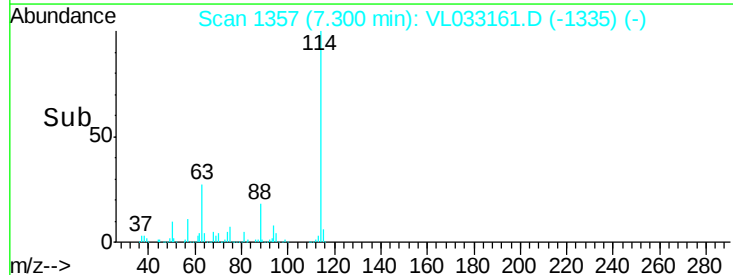
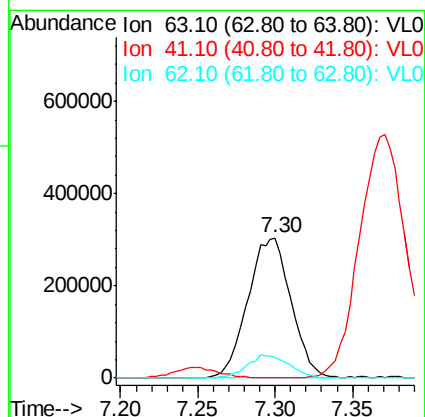
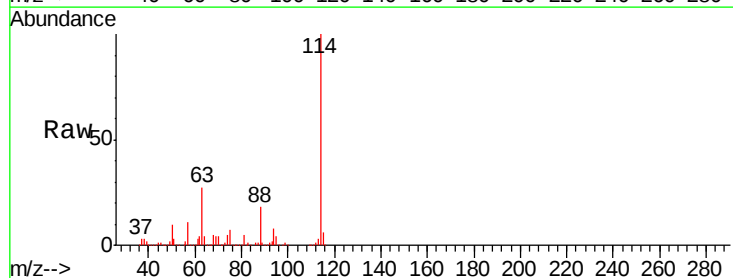
Instrument :
MSVOA_L
ClientSampleId :
SSA2

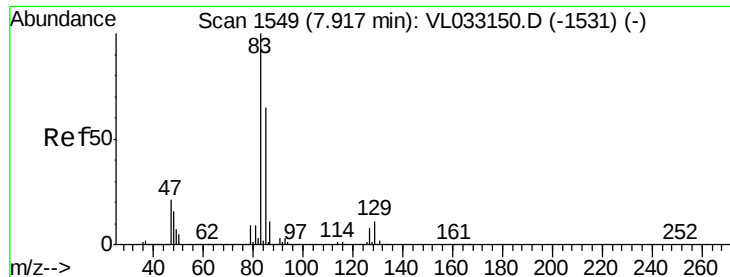
Tgt Ion: 78 Resp: 246310
Ion Ratio Lower Upper
78 100
77 22.0 17.8 26.6
50 18.9 14.7 22.1



#39
1,2-Dichloropropane
Concen: 6.796 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.43 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 63 Resp: 586850
Ion Ratio Lower Upper
63 100
41 0.0 53.2 79.8#
62 14.5 54.4 81.6#





#42

Bromodichloromethane

Concen: 0.130 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

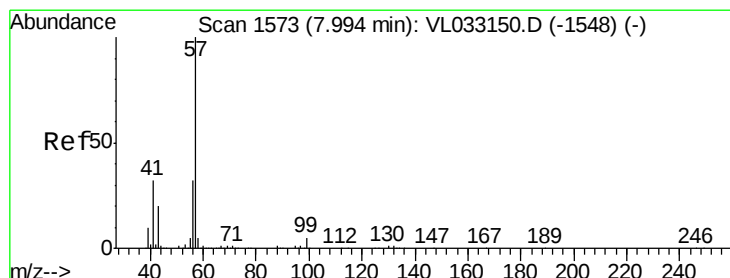
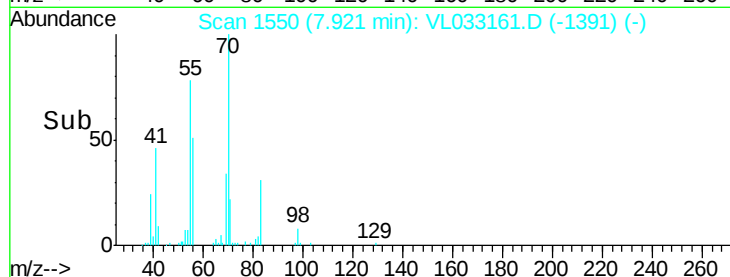
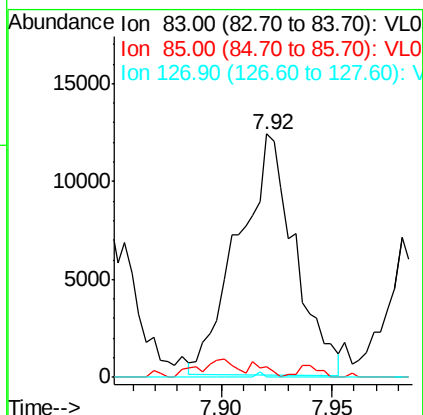
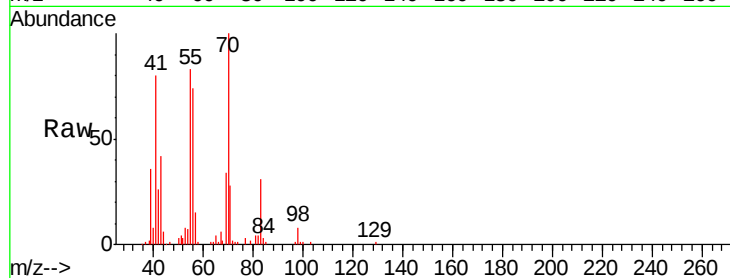
Tgt Ion: 83 Resp: 21898

Ion Ratio Lower Upper

83 100

85 4.9 51.3 76.9#

127 0.0 6.1 9.1#



#44

2,2,4-Trimethylpentane

Concen: 0.525 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

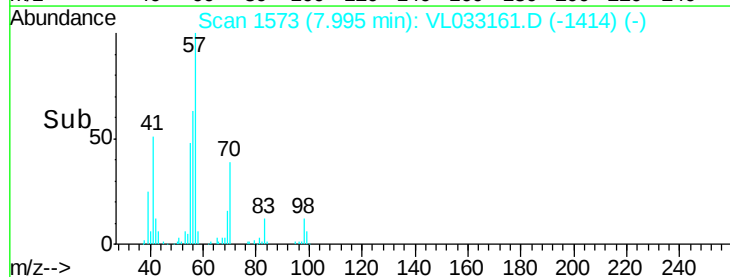
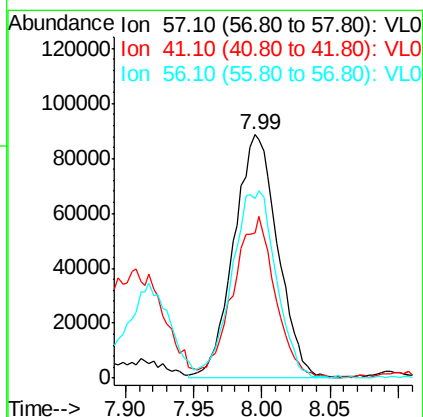
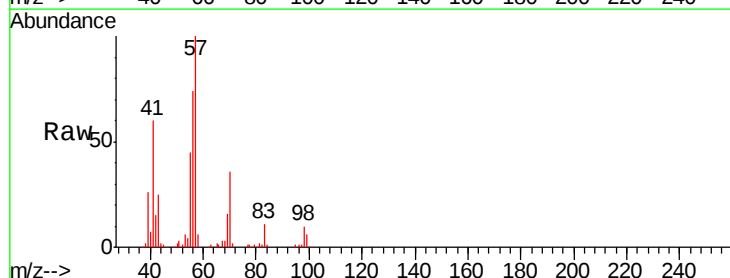
Tgt Ion: 57 Resp: 198459

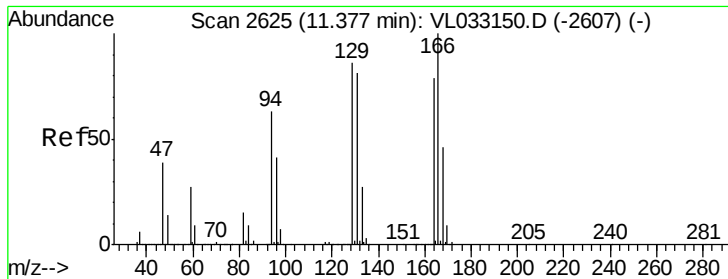
Ion Ratio Lower Upper

57 100

41 62.5 24.6 36.8#

56 76.1 24.9 37.3#





#52

Tetrachloroethene

Concen: 0.127 ppbv

RT: 11.38 min Scan# 2627

Delta R.T. 0.02 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

Tgt Ion:164 Resp: 9938

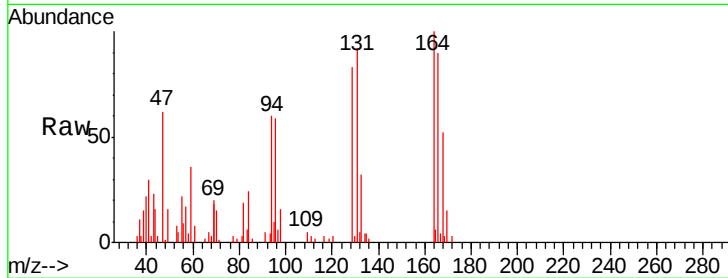
Ion Ratio Lower Upper

164 100

166 82.7 98.6 148.0#

129 82.1 86.3 129.5#

131 92.1 83.7 125.5

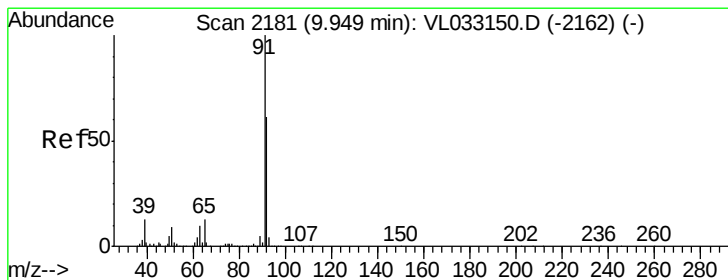
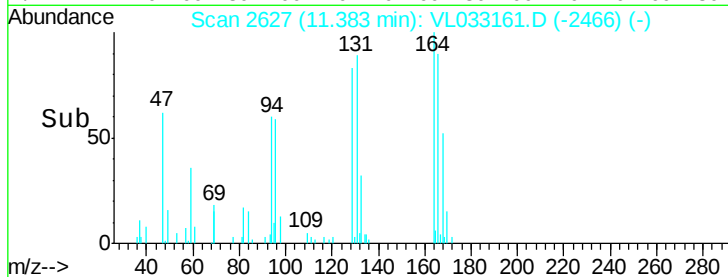
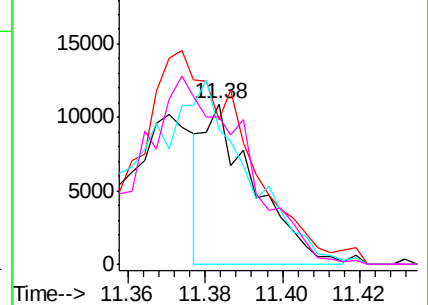


Abundance Ion 163.90 (163.60 to 164.60): V

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: 30.595 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.01 min

Lab File: VL033161.D

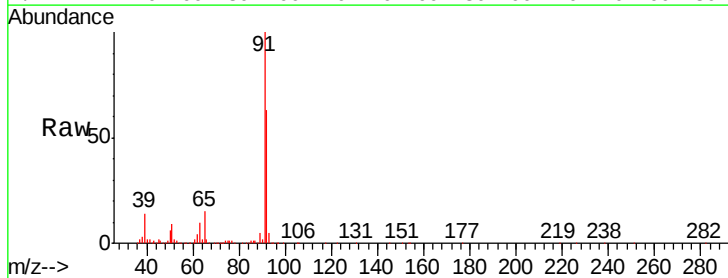
Acq: 4 Feb 2019 19:15

Tgt Ion: 91 Resp: 8181249

Ion Ratio Lower Upper

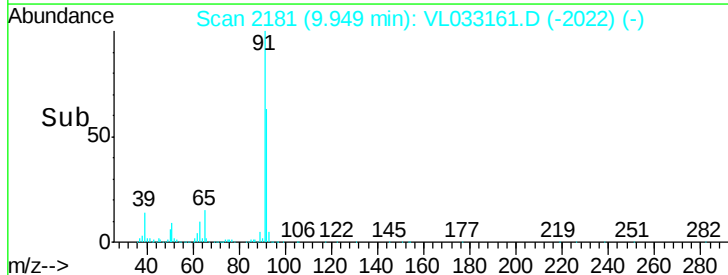
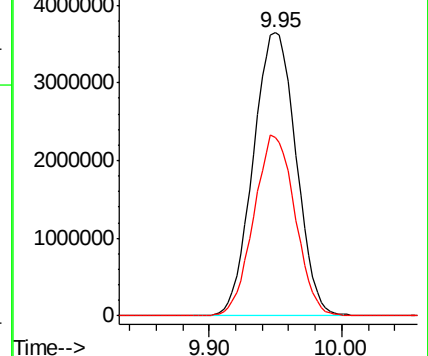
91 100

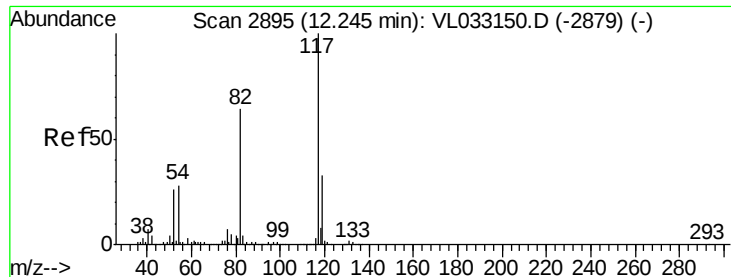
92 61.7 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

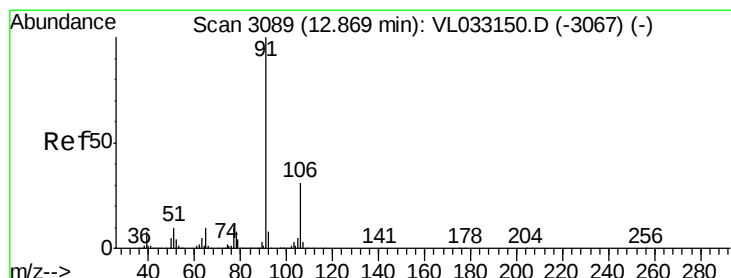
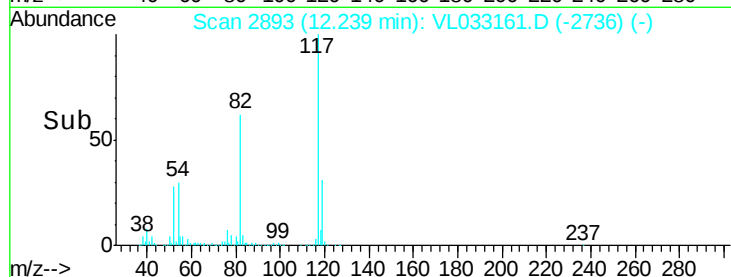
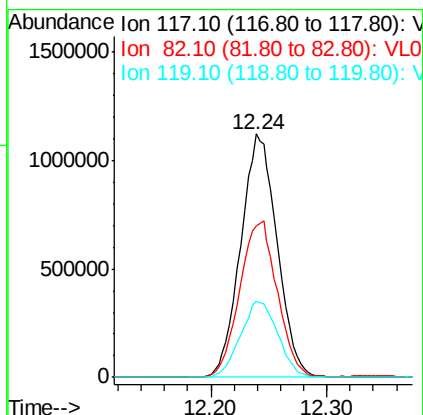
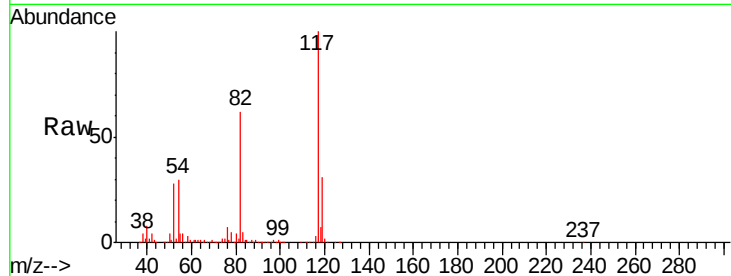




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

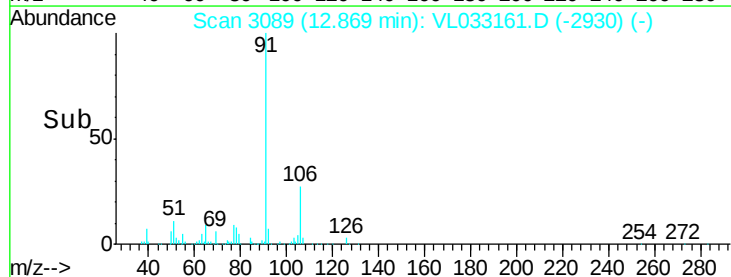
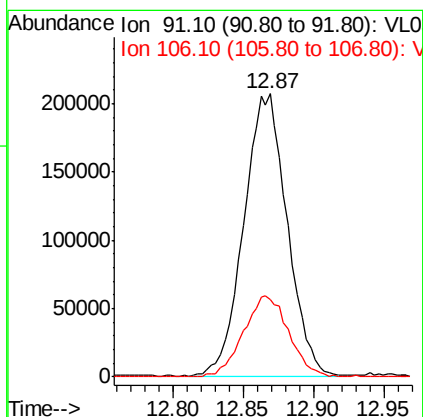
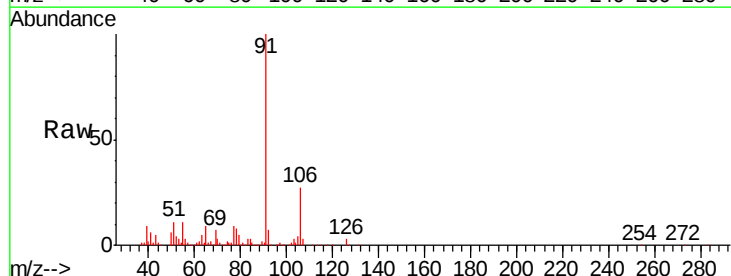
Instrument :
MSVOA_L
ClientSampled :
SSA2

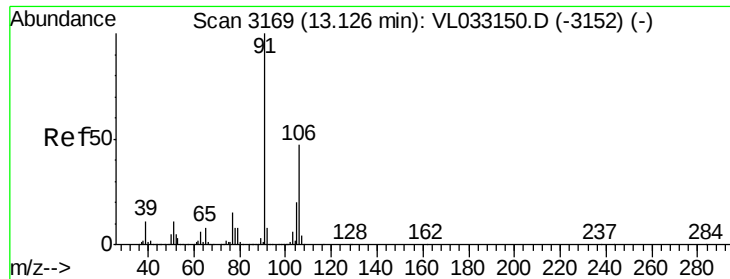
Tgt Ion:117 Resp: 2447851
Ion Ratio Lower Upper
117 100
82 66.6 49.3 73.9
119 32.1 27.1 40.7



#58
Ethyl Benzene
Concen: 1.151 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion: 91 Resp: 443440
Ion Ratio Lower Upper
91 100
106 27.3 24.7 37.1





#59

m/p-Xylene

Concen: 1.865 ppbv

RT: 13.12 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampled :

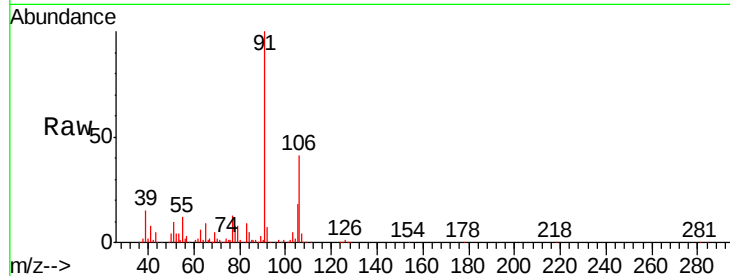
SSA2

Tgt Ion: 91 Resp: 588305

Ion Ratio Lower Upper

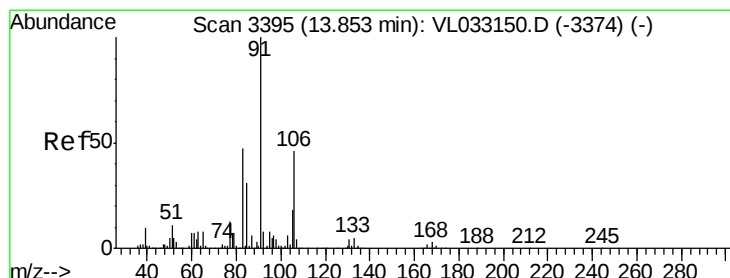
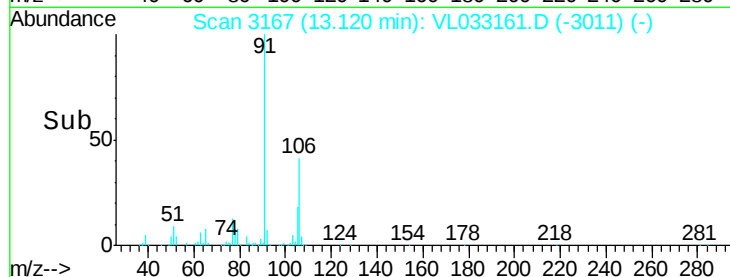
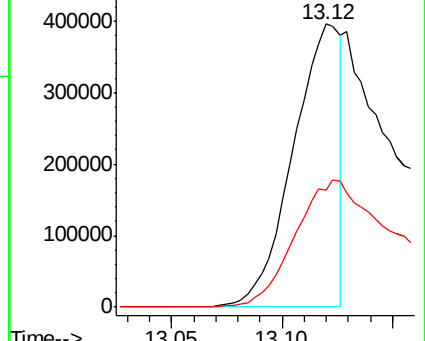
91 100

106 95.6 37.6 56.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.470 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL033161.D

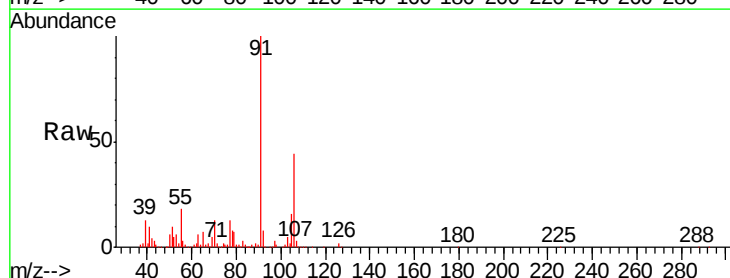
Acq: 4 Feb 2019 19:15

Tgt Ion: 91 Resp: 427746

Ion Ratio Lower Upper

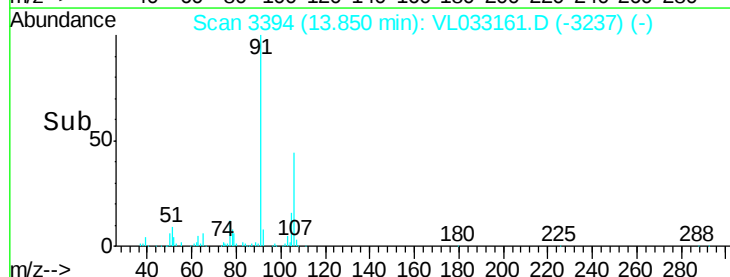
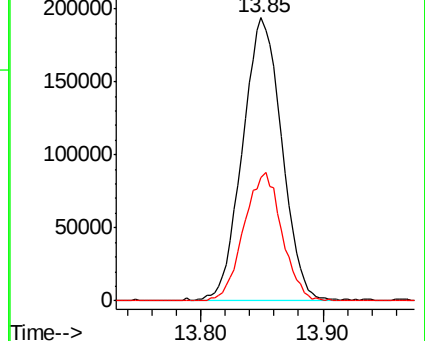
91 100

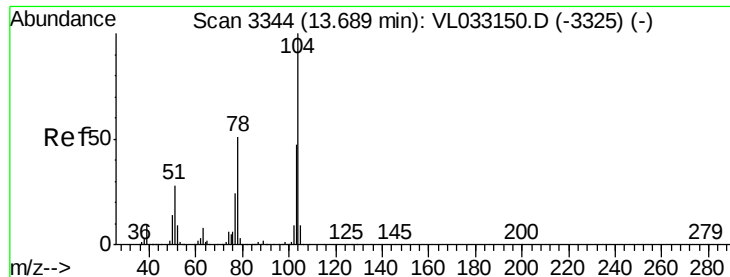
106 44.3 23.2 69.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.553 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

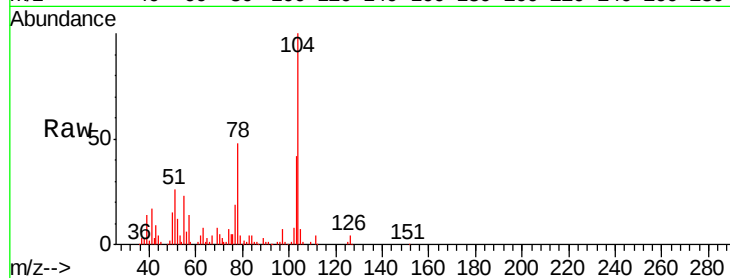
Tgt Ion:104 Resp: 128766

Ion Ratio Lower Upper

104 100

78 52.9 39.7 59.5

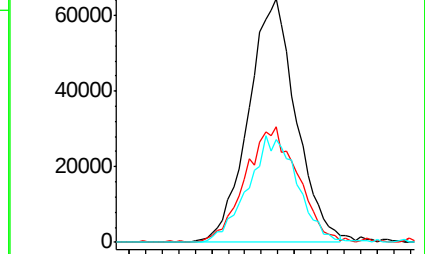
103 45.7 37.7 56.5



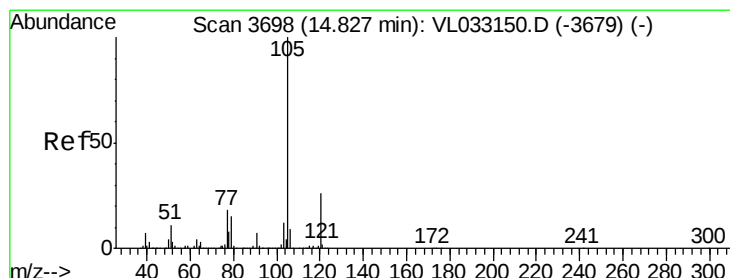
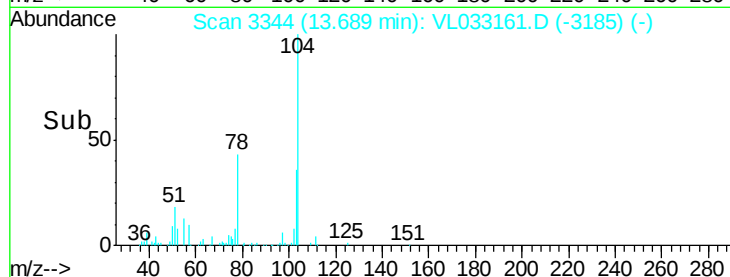
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time--> 13.60 13.65 13.70 13.75



#62

Isopropylbenzene

Concen: 9.887 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. 0.01 min

Lab File: VL033161.D

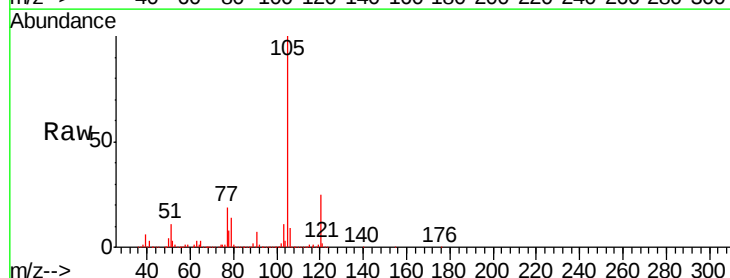
Acq: 4 Feb 2019 19:15

Tgt Ion:105 Resp: 4107089

Ion Ratio Lower Upper

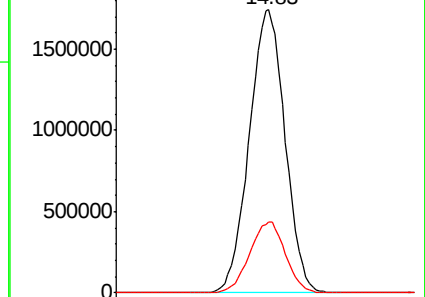
105 100

120 25.1 20.8 31.2

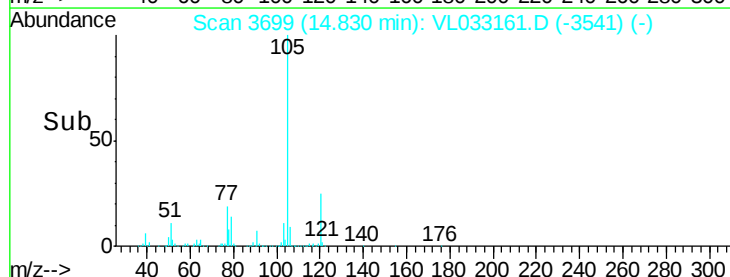


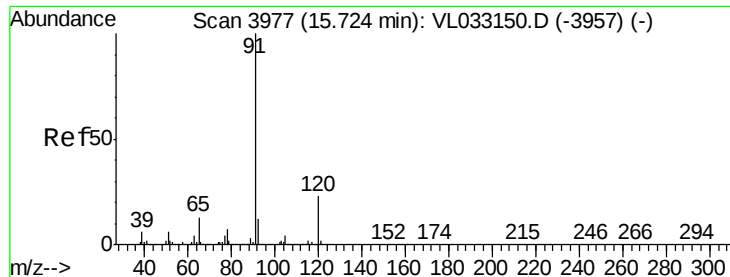
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time--> 14.70 14.80 14.90

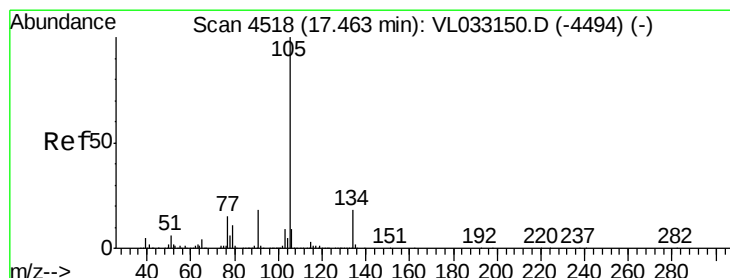
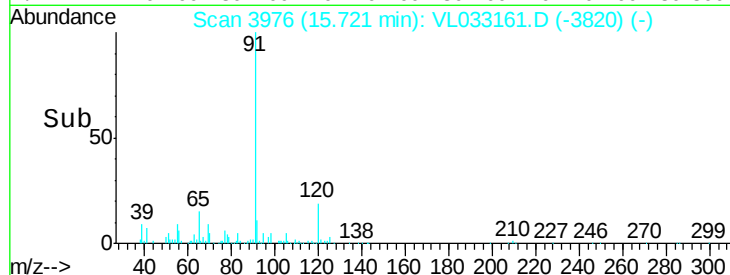
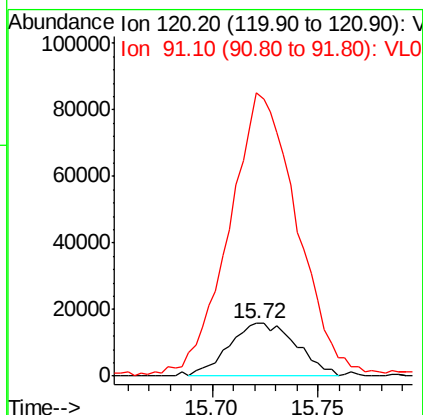
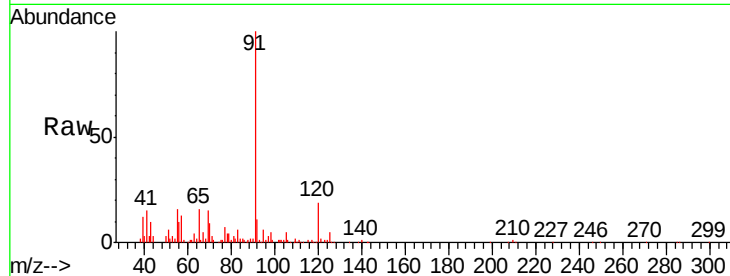




#64
n-propylbenzene
Concen: 0.326 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

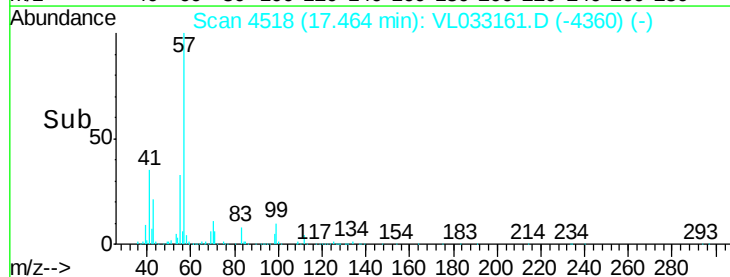
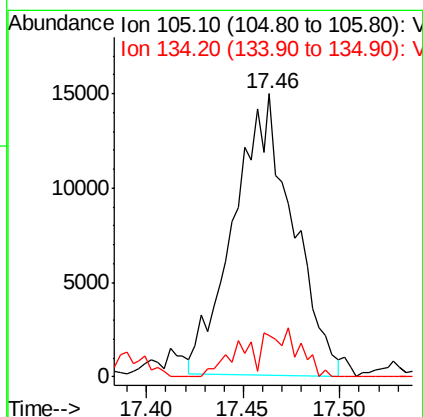
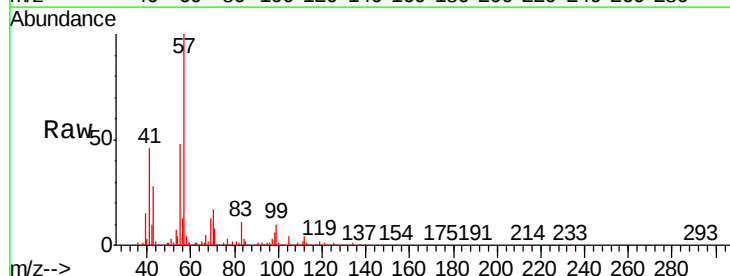
Instrument :
MSVOA_L
ClientSampleId :
SSA2

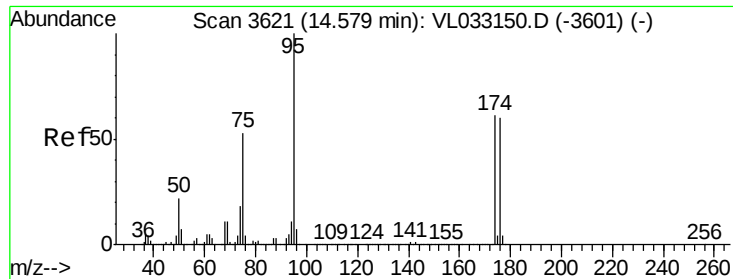
Tgt Ion:120 Resp: 35287
Ion Ratio Lower Upper
120 100
91 538.3 370.2 555.2



#67
sec-Butylbenzene
Concen: 0.059 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.01 min
Lab File: VL033161.D
Acq: 4 Feb 2019 19:15

Tgt Ion:105 Resp: 31535
Ion Ratio Lower Upper
105 100
134 15.3 14.4 21.6

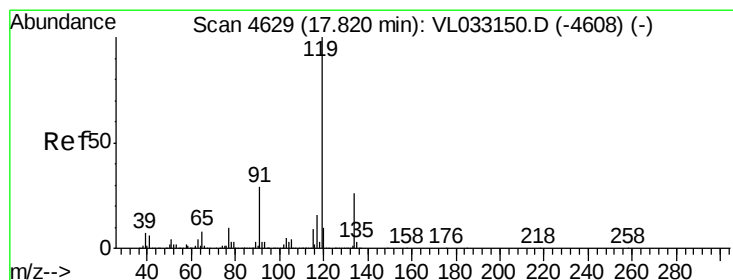
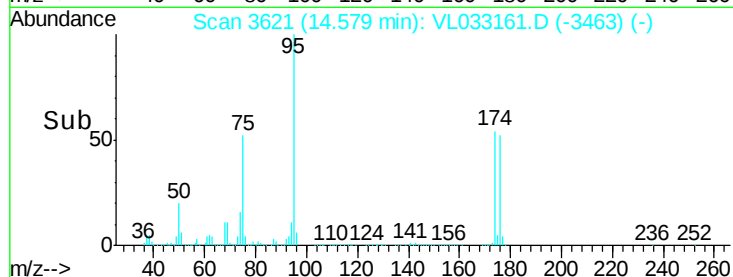
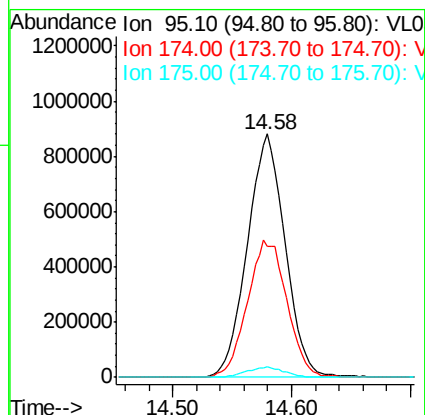
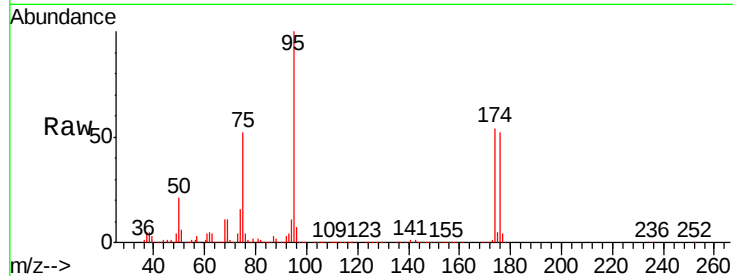




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.577 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL033161.D
 Acq: 4 Feb 2019 19:15

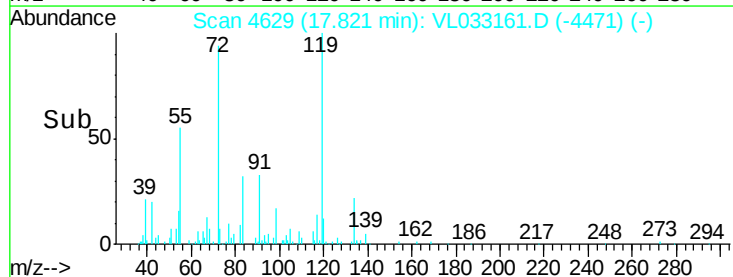
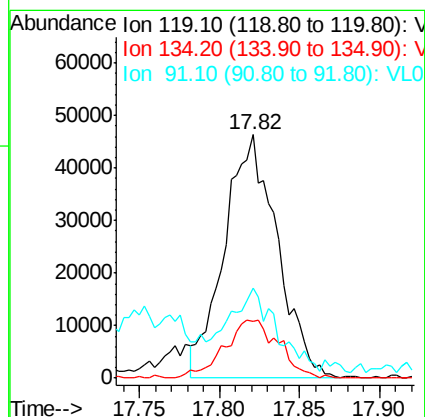
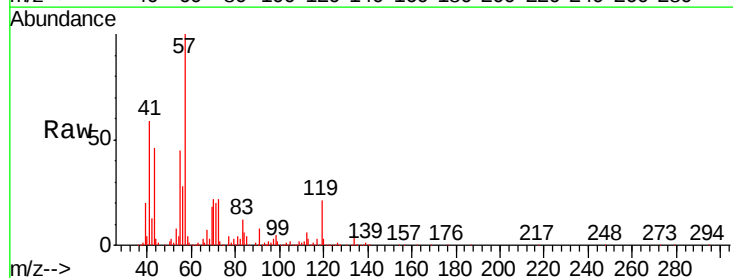
Instrument :
 MSVOA_L
 ClientSampleID :
 SSA2

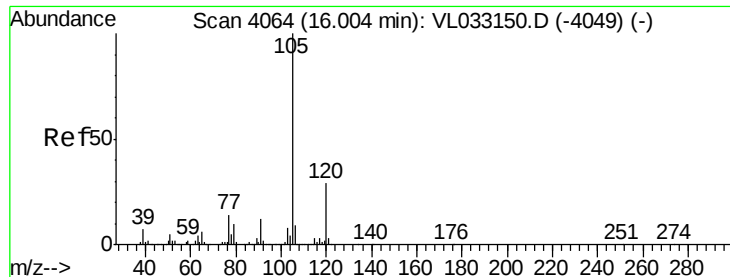
Tgt Ion: 95 Resp: 1929511
 Ion Ratio Lower Upper
 95 100
 174 59.3 49.2 73.8
 175 4.3 3.7 5.5



#69
 p-Isopropyltoluene
 Concen: 0.236 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL033161.D
 Acq: 4 Feb 2019 19:15

Tgt Ion: 119 Resp: 103874
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.3 30.5
 91 37.9 22.6 33.8#





#72

4-Ethyltoluene

Concen: 0.612 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

Tgt Ion:105 Resp: 213033

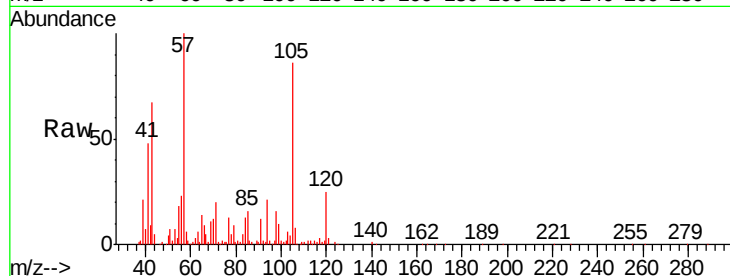
Ion Ratio Lower Upper

105 100

120 28.5 23.2 34.8

91 12.8 9.5 14.3

77 14.7 10.2 15.4

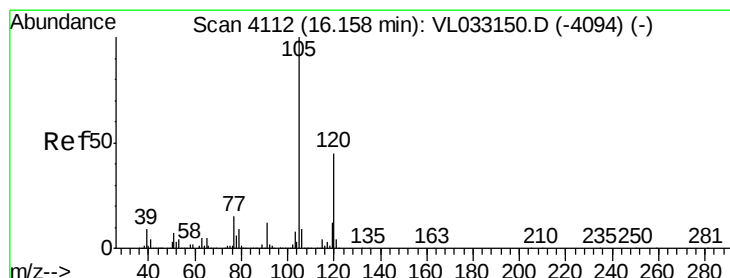
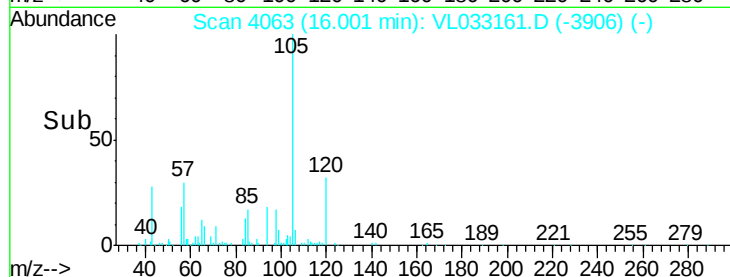
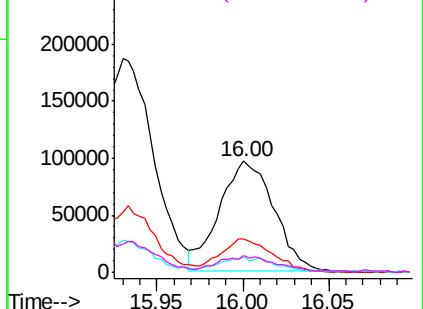


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.301 ppbv

RT: 16.16 min Scan# 4111

Delta R.T. 0.00 min

Lab File: VL033161.D

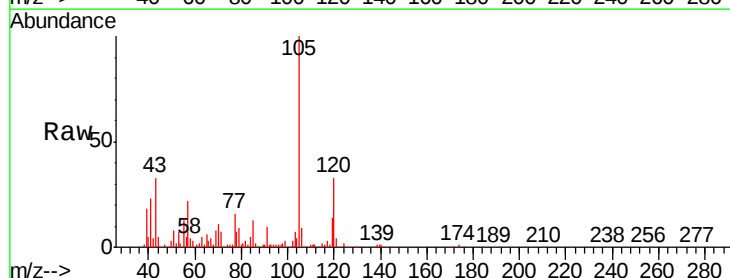
Acq: 4 Feb 2019 19:15

Tgt Ion:105 Resp: 100900

Ion Ratio Lower Upper

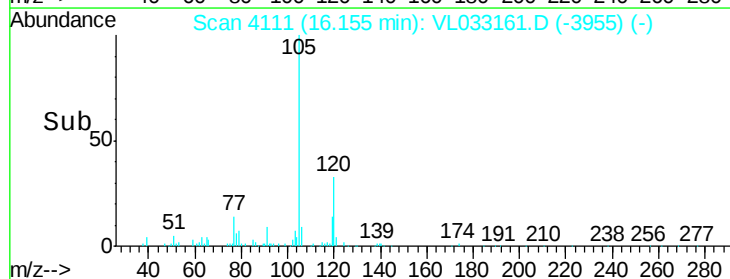
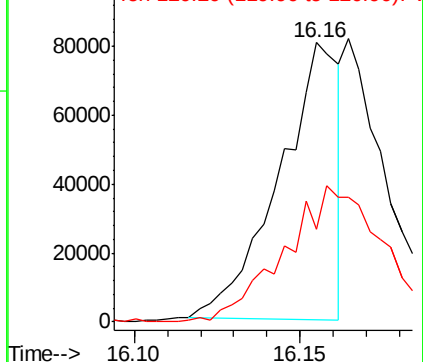
105 100

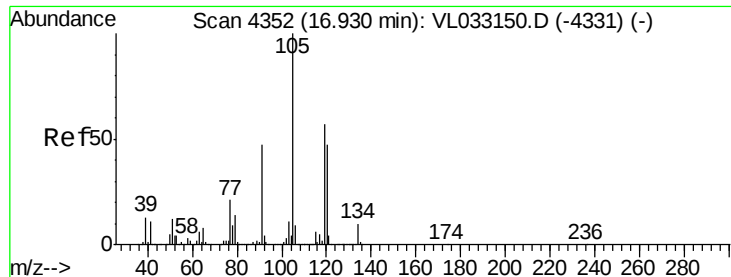
120 32.9 38.0 57.0#



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: 1.639 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

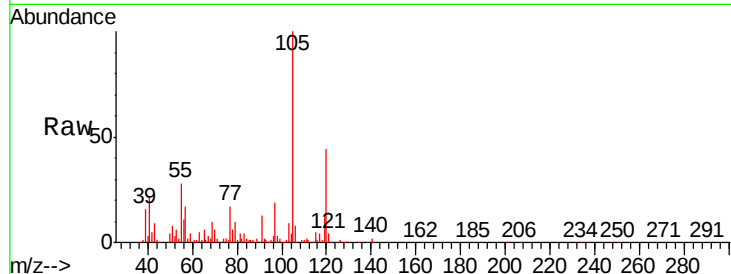
Instrument :

MSVOA_L

ClientSampleId :

SSA2

Tgt Ion:	105	Resp:	560662
Ion	Ratio	Lower	Upper
105	100		
120	43.6	38.2	57.4
91	10.3	35.0	52.4#
77	14.9	15.8	23.6#

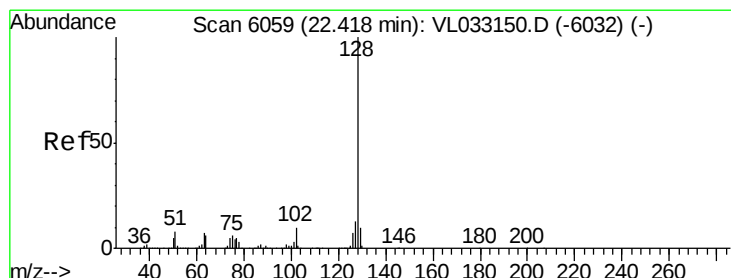
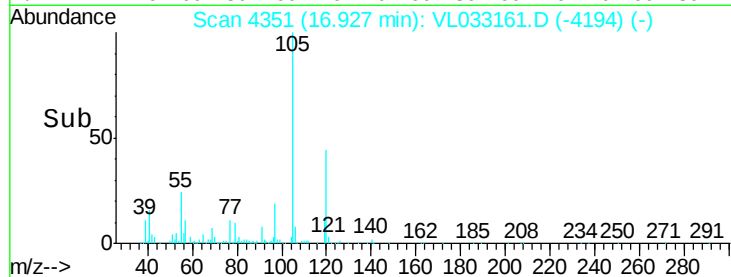
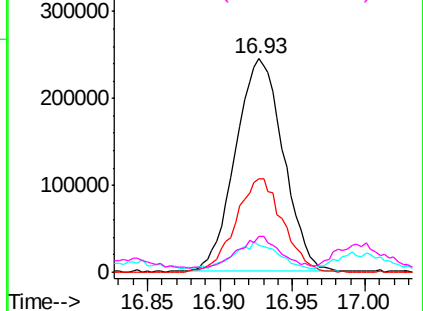


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.039 ppbv

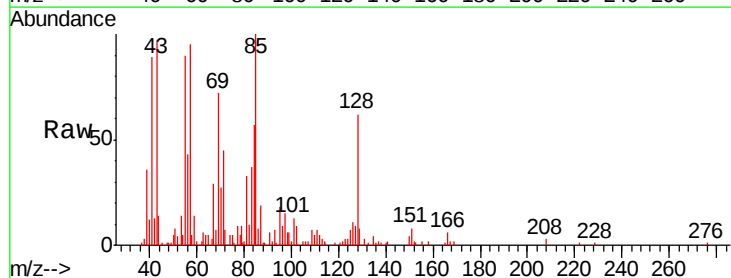
RT: 22.40 min Scan# 6054

Delta R.T. -0.00 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

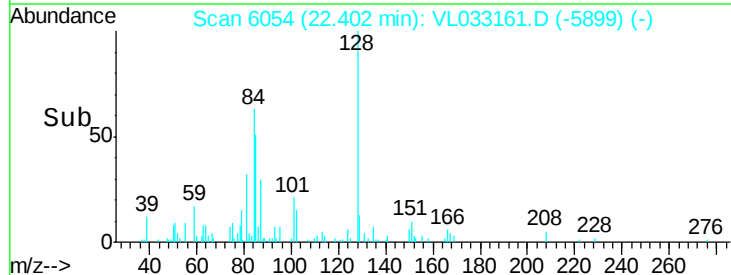
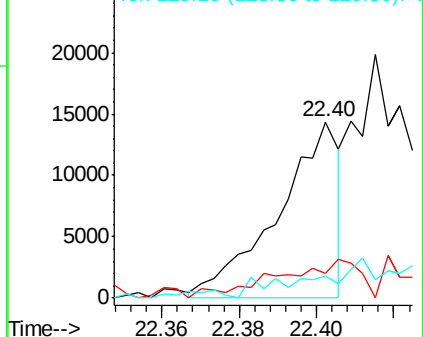
Tgt Ion:	128	Resp:	15796
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.6	16.0
129	9.5	9.0	13.4

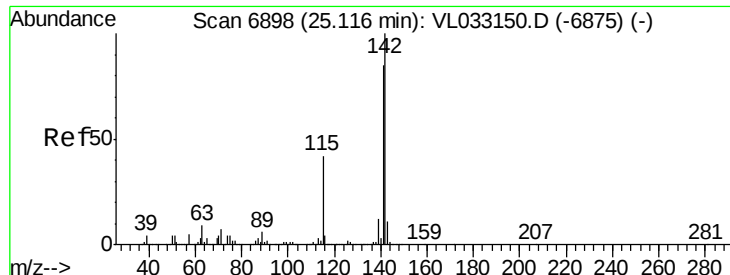


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.048 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.01 min

Lab File: VL033161.D

Acq: 4 Feb 2019 19:15

Instrument :

MSVOA_L

ClientSampleId :

SSA2

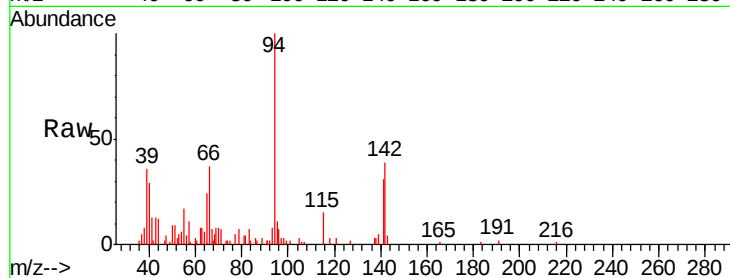
Tgt Ion:142 Resp: 9813

Ion Ratio Lower Upper

142 100

141 83.2 66.5 99.7

115 42.6 31.3 46.9



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

