

Data File : VL033571.D
Acq On : 10 Apr 2019 19:38
Operator : SY/AP
Sample : K2301-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Apr 11 03:45:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	838050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1951693	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1977349	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1626616	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	34380	0.281	ppbv	97
3) Chlorodifluoromethane	2.99	51	159414	1.652	ppbv #	75
4) Chloromethane	3.17	50	24424	0.478	ppbv	96
9) Propene	3.04	41	85342	2.106	ppbv	87
10) Heptane	8.24	43	10432	0.096	ppbv #	27
11) Trichlorofluoromethane	4.01	101	31441	0.209	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6067	0.060	ppbv	88
13) Ethanol	3.66	45	1569691	149.710	ppbv	65
15) Acetone	3.90	43	620518	6.158	ppbv	91
16) 1,3-Butadiene	3.36	39	4634	0.116	ppbv #	3
17) tert-Butyl alcohol	4.37	59	2567	0.139	ppbv #	73
19) Isopropyl Alcohol	4.04	45	214078	3.359	ppbv #	96
20) Methylene Chloride	4.41	84	79787	1.865	ppbv	91
21) Allyl Chloride	4.44	41	2160	0.034	ppbv #	1
25) Ethyl Acetate	5.78	43	90623	0.485	ppbv #	92
26) Hexane	5.78	57	75389	0.907	ppbv #	56
27) Carbon Disulfide	4.62	76	4104	0.042	ppbv #	1
29) Chloroform	5.85	83	32795	0.230	ppbv	89
30) Cyclohexane	7.24	84	2778	0.042	ppbv #	1
31) cis-1,2-Dichloroethene	5.77	61	4332	0.052	ppbv #	46
34) 2-Butanone	5.34	43	52009	0.444	ppbv	96
35) Carbon Tetrachloride	7.13	117	5068	0.037	ppbv	92
36) Benzene	7.00	78	128045	0.782	ppbv	99
39) 1,2-Dichloropropane	7.29	63	511338	7.971	ppbv #	24
41) Tetrahydrofuran	6.16	42	9168	0.142	ppbv	95
43) Methyl Methacrylate	8.14	69	10435	0.157	ppbv #	62
44) 2,2,4-Trimethylpentane	7.99	57	80337	0.281	ppbv #	22
52) Tetrachloroethene	11.37	164	50335	0.815	ppbv	91
53) Toluene	9.94	91	479191	2.518	ppbv	99
58) Ethyl Benzene	12.87	91	57215	0.217	ppbv	98
59) m/p-Xylene	13.14	91	72623	0.308	ppbv #	100
60) o-Xylene	13.85	91	39052	0.171	ppbv #	22
61) Styrene	13.69	104	7142	0.046	ppbv #	27
62) Isopropylbenzene	14.82	105	10965	0.034	ppbv #	50
64) n-propylbenzene	15.73	120	3350	0.041	ppbv #	1
65) tert-Butylbenzene	16.92	119	34305	0.121	ppbv #	28
72) 4-Ethyltoluene	16.00	105	121196	0.473	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.16	105	97078	0.396	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	418466	1.591	ppbv #	73
79) Naphthalene	22.42	128	13769	0.061	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	2820	0.037	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Mar 26 16:00:50 2019
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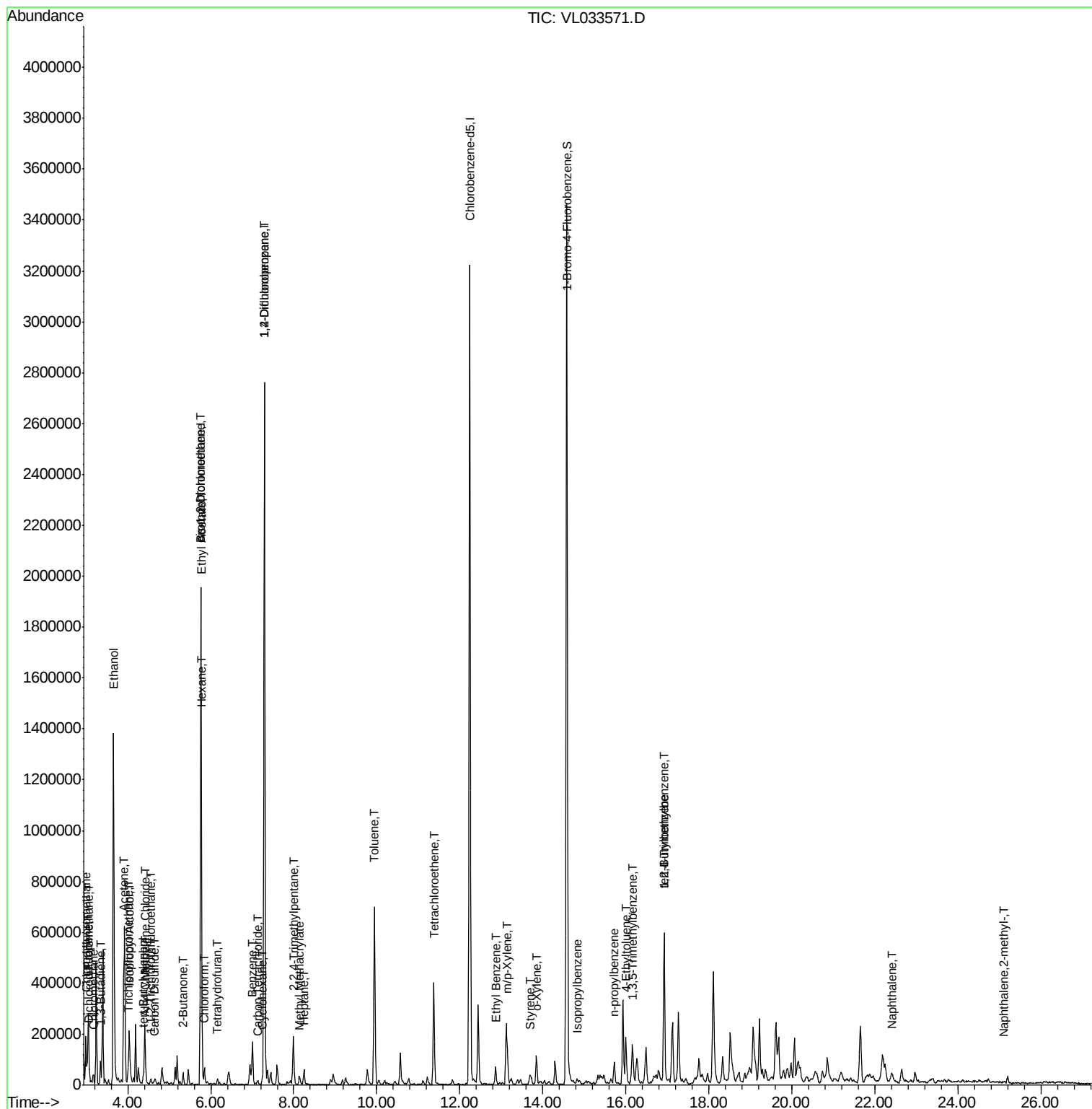
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampled :

IA2

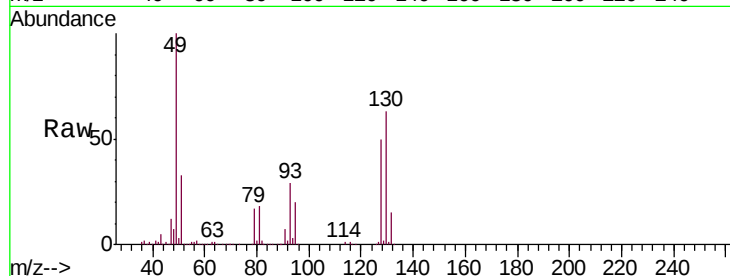
Tgt Ion: 49 Resp: 838050

Ion Ratio Lower Upper

49 100

128 49.1 24.0 72.0

130 61.9 31.2 93.6



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

5.76

400000

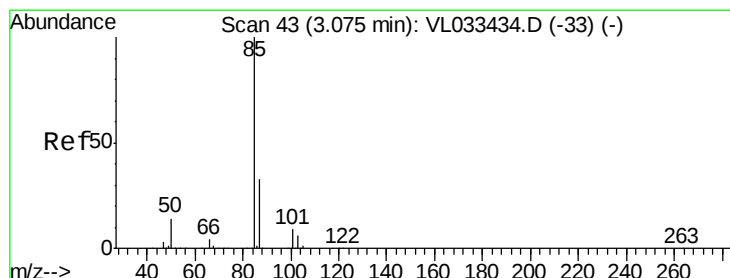
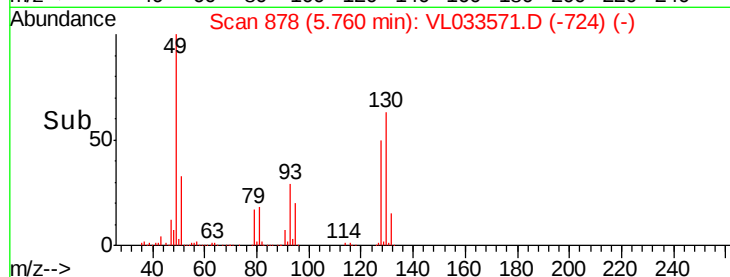
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.281 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033571.D

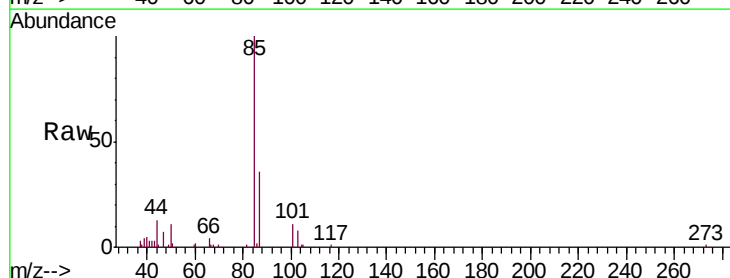
Acq: 10 Apr 2019 19:38

Tgt Ion: 85 Resp: 34380

Ion Ratio Lower Upper

85 100

87 34.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

30000

25000

20000

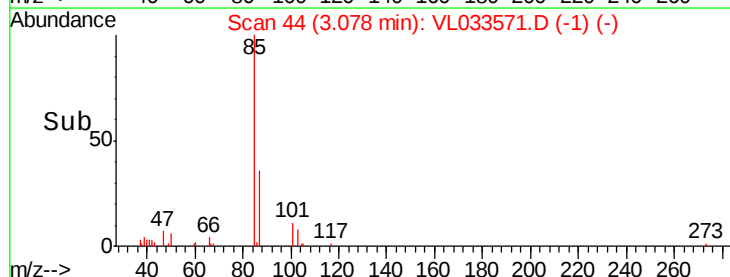
15000

10000

5000

0

Time-->





#3

Chlorodifluoromethane

Concen: 1.652 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.02 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

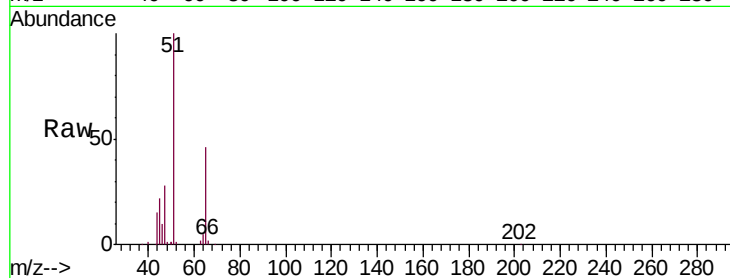
IA2

Tgt Ion: 51 Resp: 159414

Ion Ratio Lower Upper

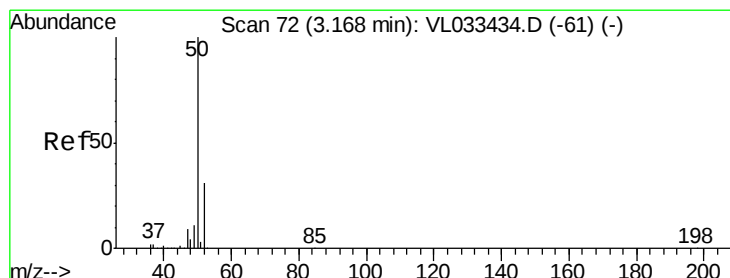
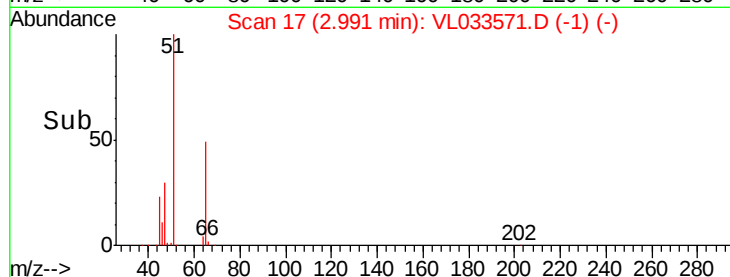
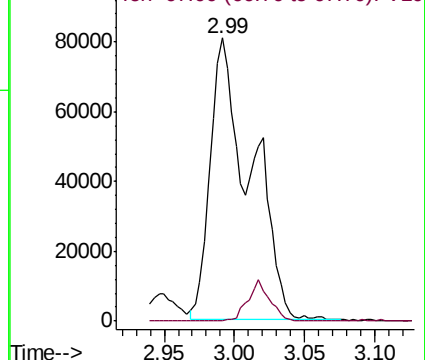
51 100

67 8.0 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.478 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033571.D

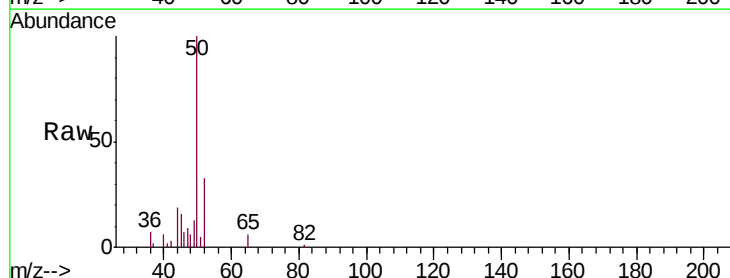
Acq: 10 Apr 2019 19:38

Tgt Ion: 50 Resp: 24424

Ion Ratio Lower Upper

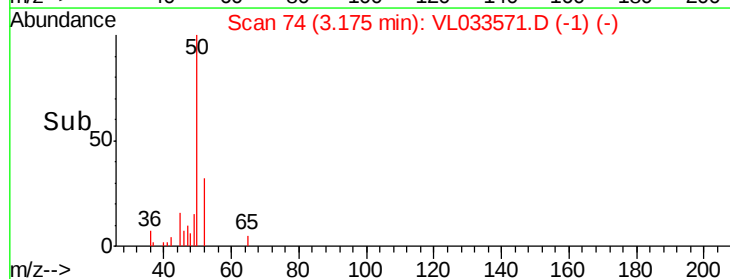
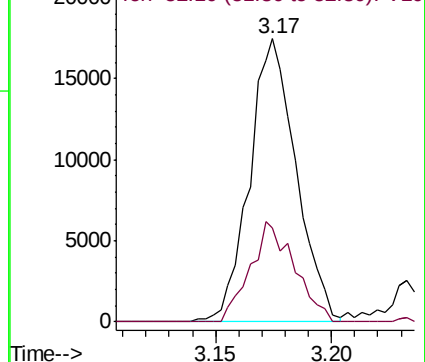
50 100

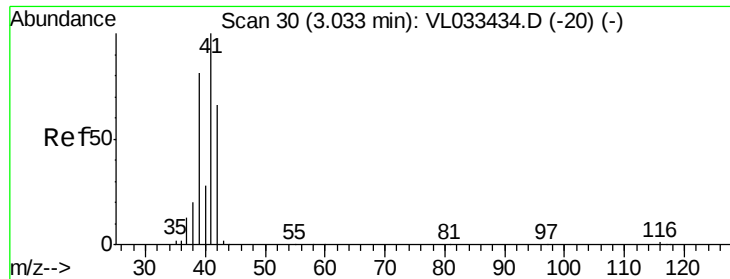
52 33.2 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.106 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

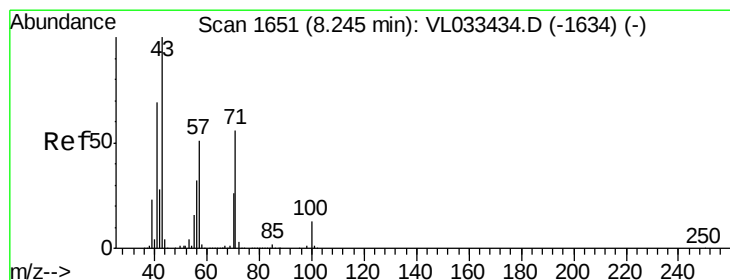
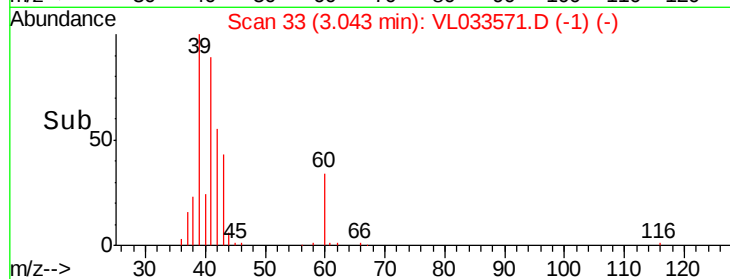
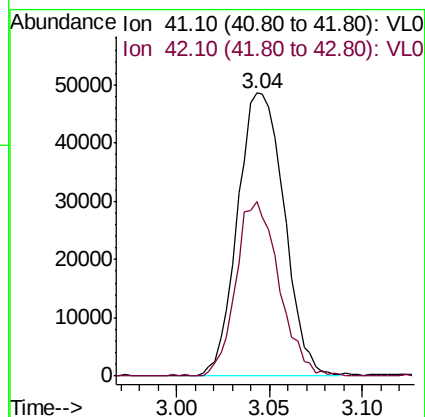
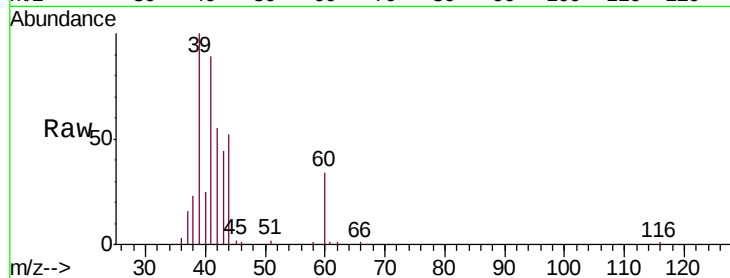
IA2

Tgt Ion: 41 Resp: 85342

Ion Ratio Lower Upper

41 100

42 57.0 53.9 80.9



#10

Heptane

Concen: 0.096 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033571.D

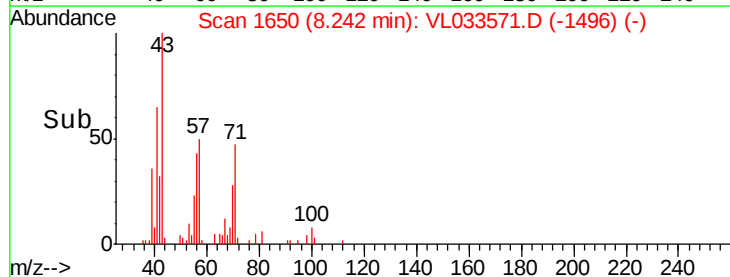
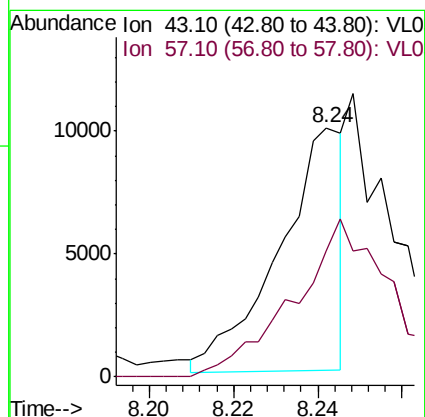
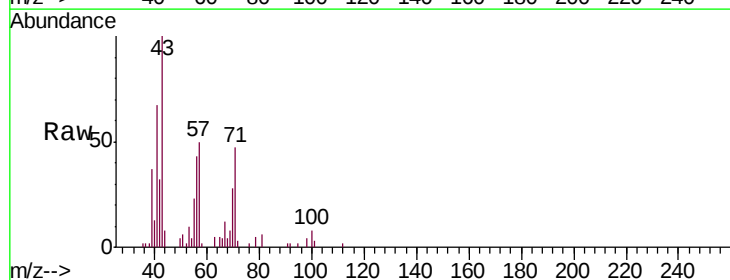
Acq: 10 Apr 2019 19:38

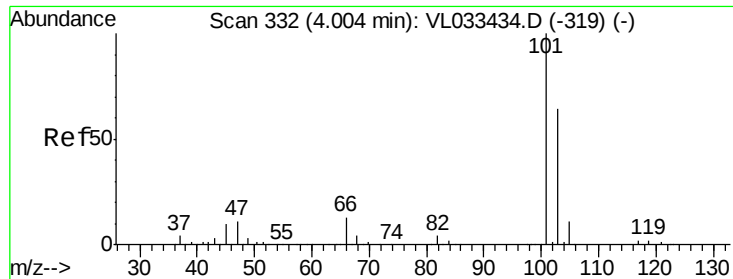
Tgt Ion: 43 Resp: 10432

Ion Ratio Lower Upper

43 100

57 0.0 40.6 60.8#

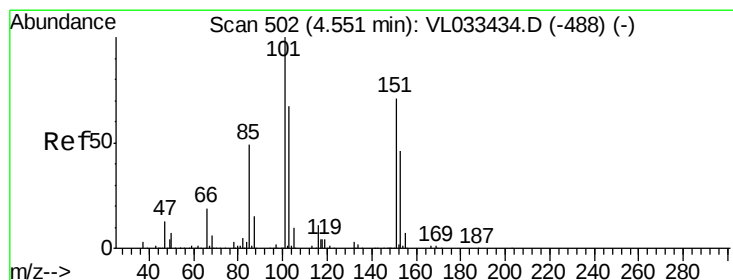
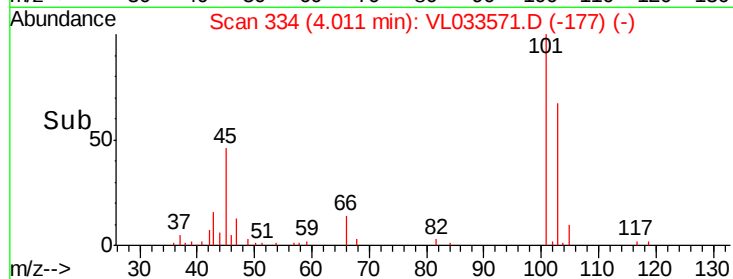
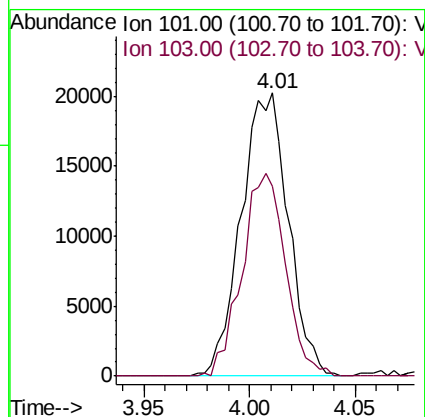
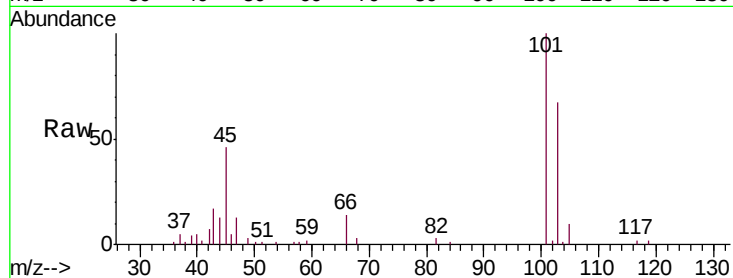




#11
 Trichlorofluoromethane
 Concen: 0.209 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

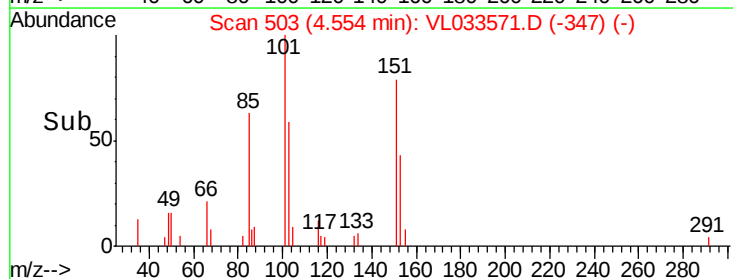
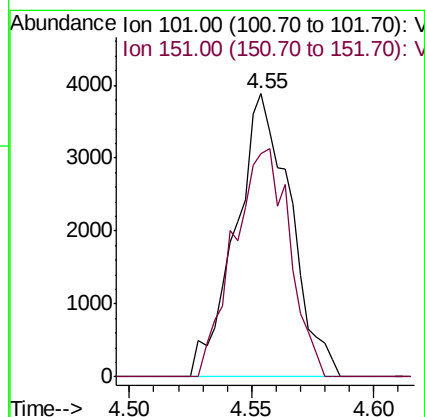
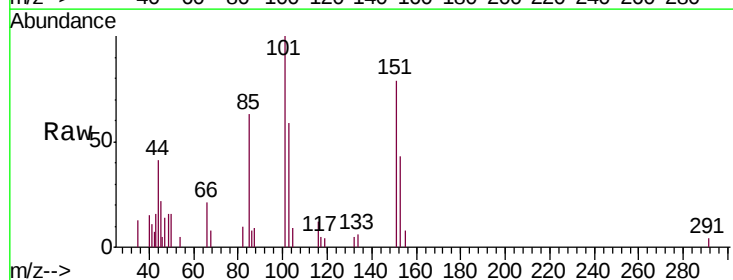
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

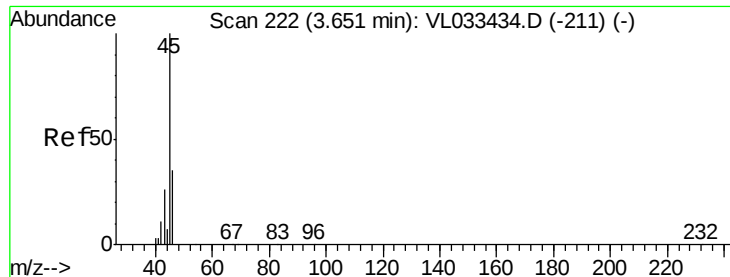
Tgt Ion:101 Resp: 31441
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.060 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Tgt Ion:101 Resp: 6067
 Ion Ratio Lower Upper
 101 100
 151 82.0 57.7 86.5





#13

Ethanol

Concen: 149.710 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampled :

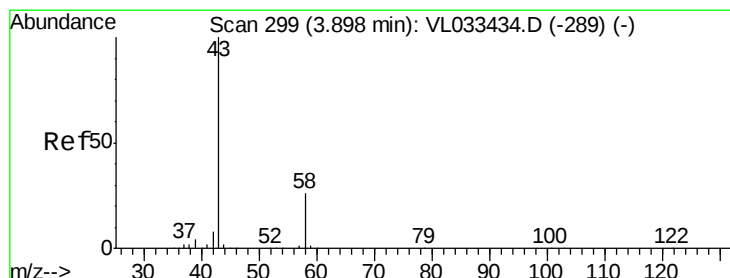
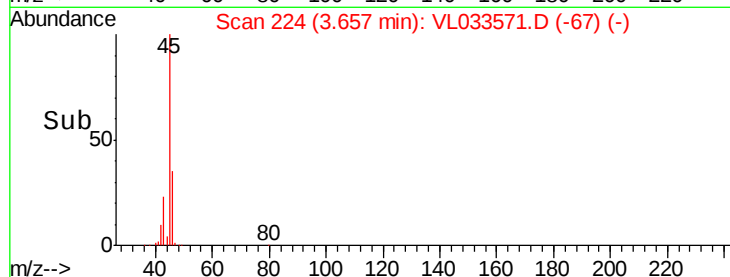
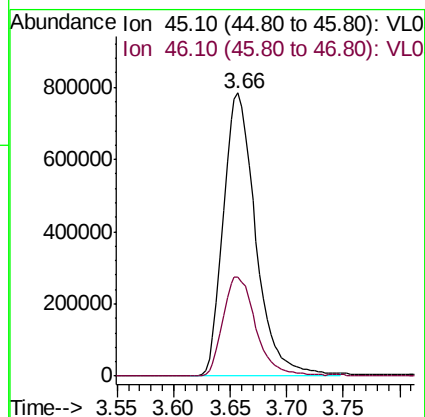
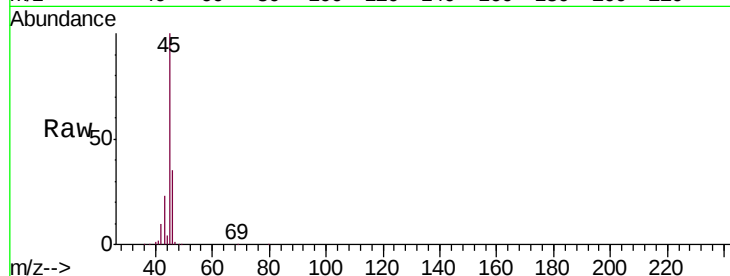
IA2

Tgt Ion: 45 Resp: 1569691

Ion Ratio Lower Upper

45 100

46 36.3 25.4 101.8



#15

Acetone

Concen: 6.158 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033571.D

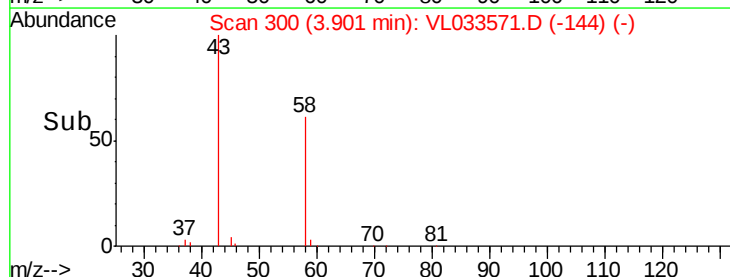
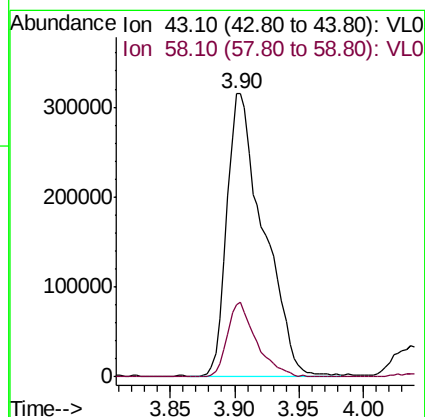
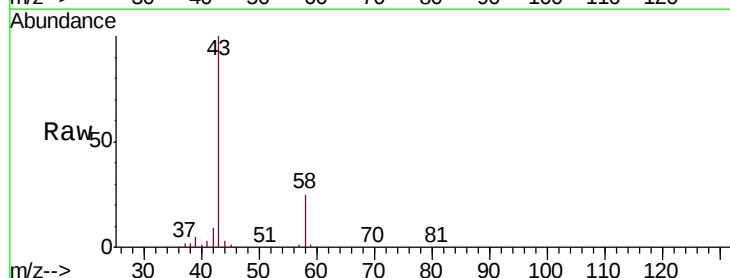
Acq: 10 Apr 2019 19:38

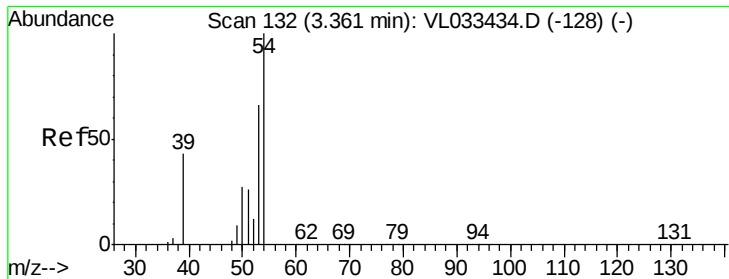
Tgt Ion: 43 Resp: 620518

Ion Ratio Lower Upper

43 100

58 21.0 20.5 30.7

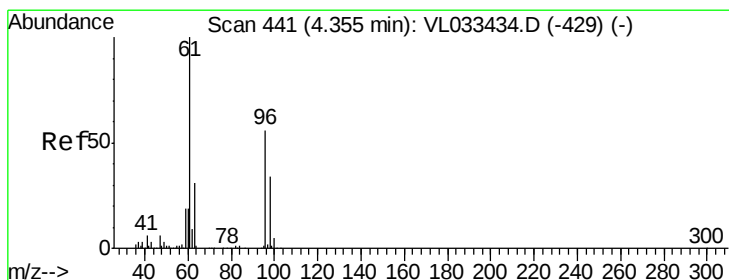
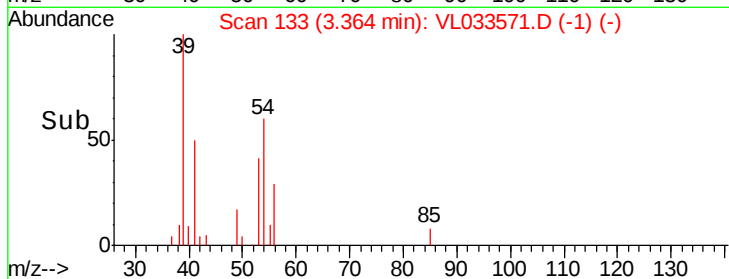
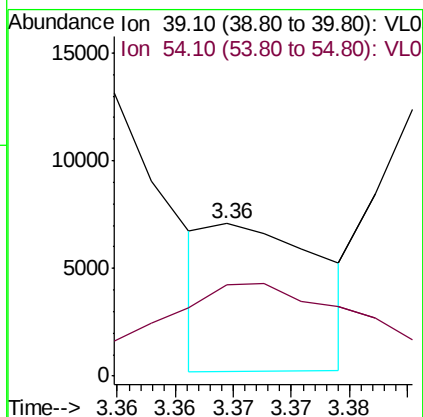
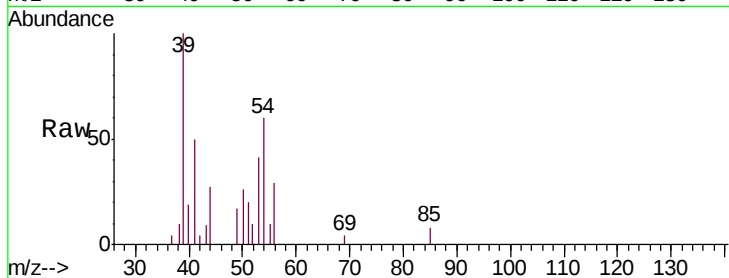




#16
 1,3-Butadiene
 Concen: 0.116 ppbv
 RT: 3.36 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

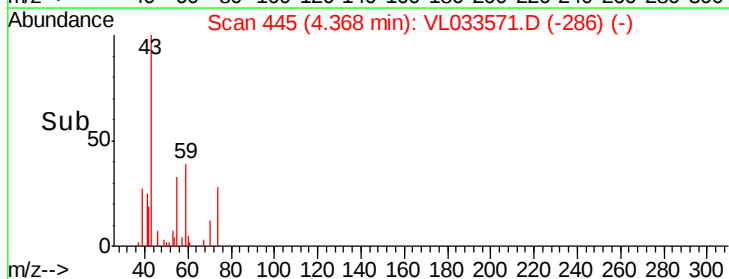
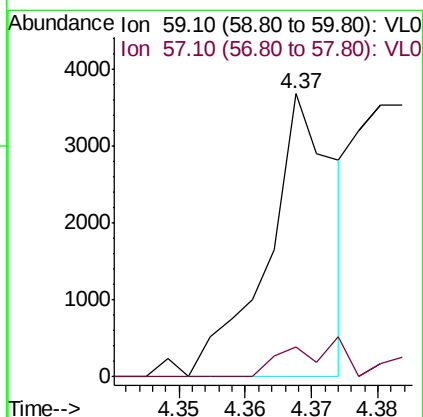
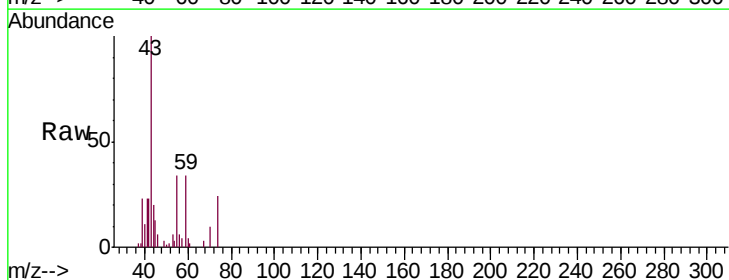
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

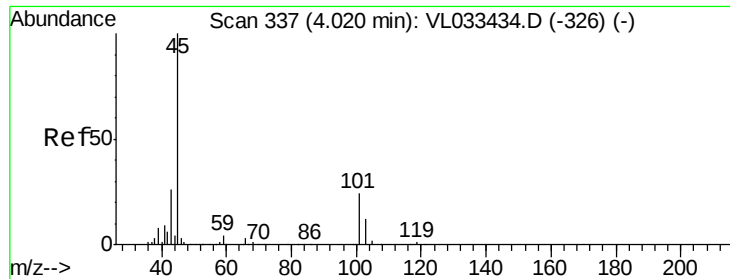
Tgt Ion: 39 Resp: 4634
 Ion Ratio Lower Upper
 39 100
 54 176.1 69.4 104.2#



#17
 tert-Butyl alcohol
 Concen: 0.139 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Tgt Ion: 59 Resp: 2567
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 3.359 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampled :

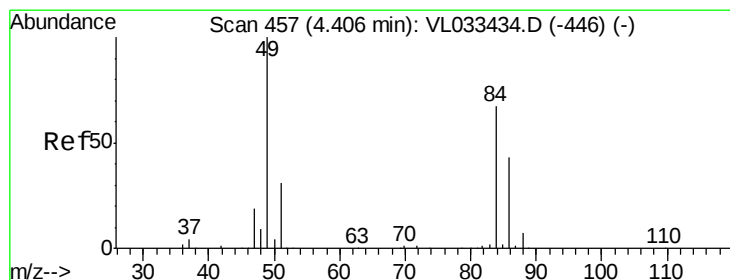
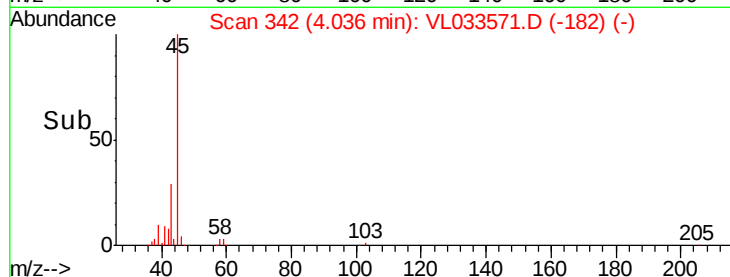
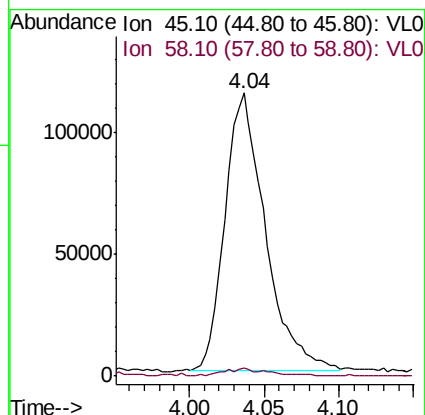
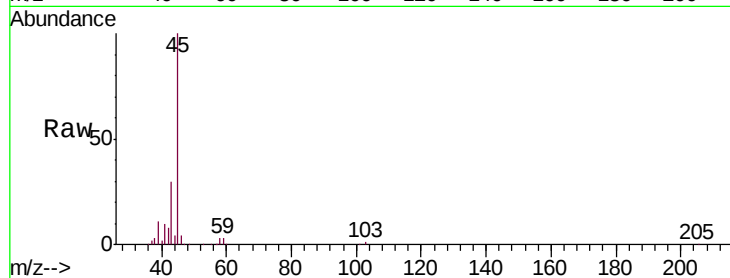
IA2

Tgt Ion: 45 Resp: 214078

Ion Ratio Lower Upper

45 100

58 3.2 1.4 2.2#



#20

Methylene Chloride

Concen: 1.865 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Tgt Ion: 84 Resp: 79787

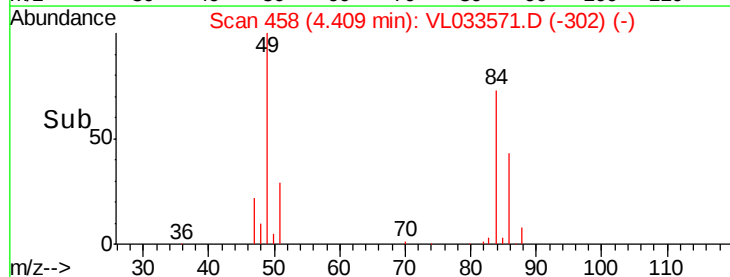
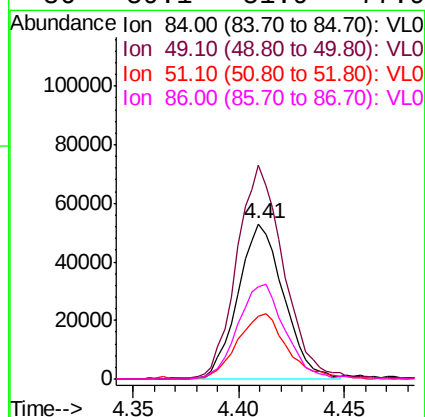
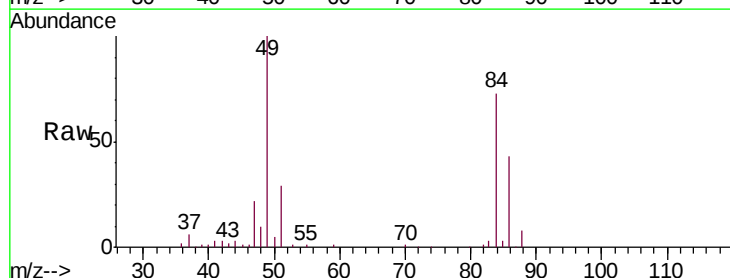
Ion Ratio Lower Upper

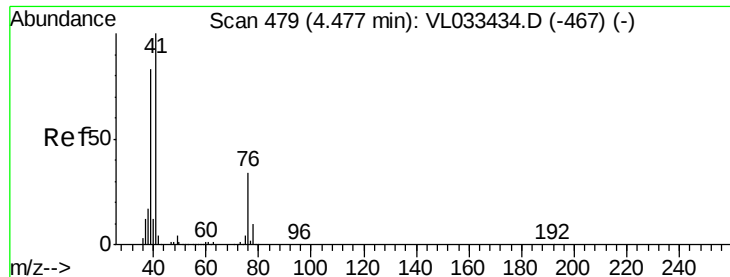
84 100

49 137.0 120.0 180.0

51 39.4 36.7 55.1

86 59.1 51.9 77.9





#21

Allyl Chloride

Concen: 0.034 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.04 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

IA2

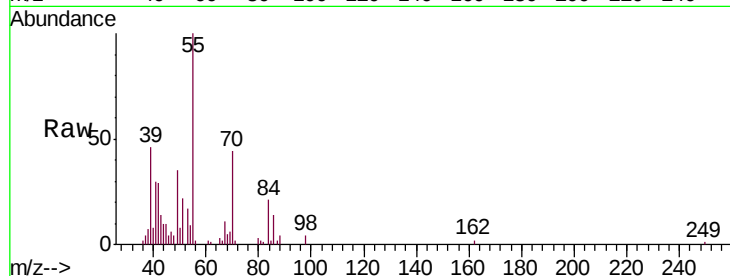
Tgt Ion: 41 Resp: 2160

Ion Ratio Lower Upper

41 100

76 0.0 25.4 38.2#

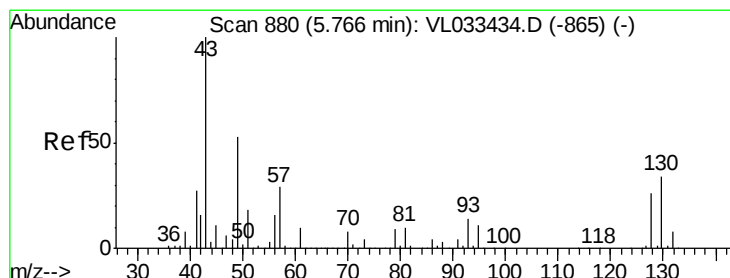
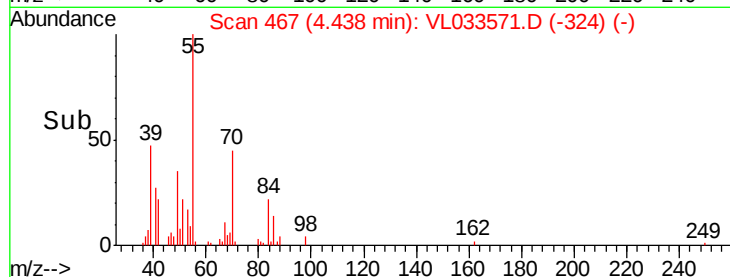
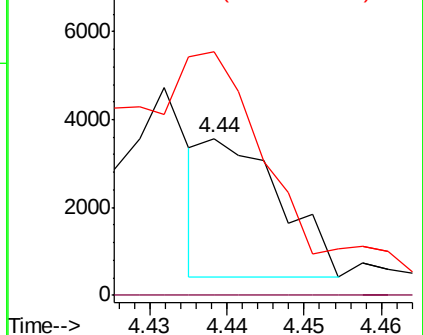
39 434.7 65.3 97.9#



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



#25

Ethyl Acetate

Concen: 0.485 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Tgt Ion: 43 Resp: 90623

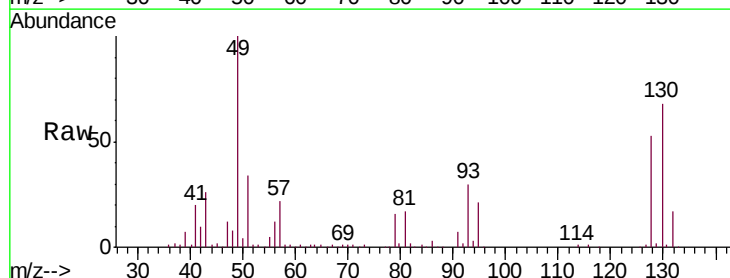
Ion Ratio Lower Upper

43 100

45 12.3 7.8 11.6#

61 5.2 7.3 10.9#

70 4.7 5.6 8.4#

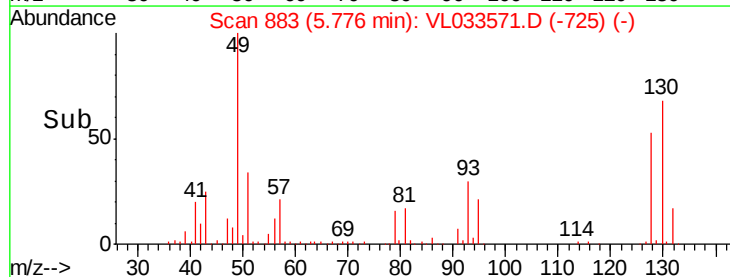
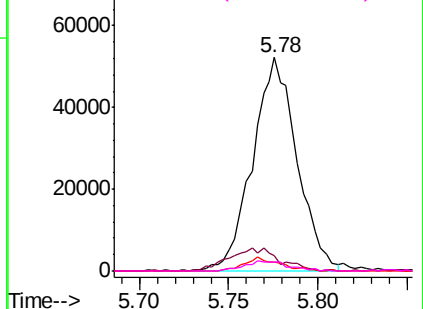


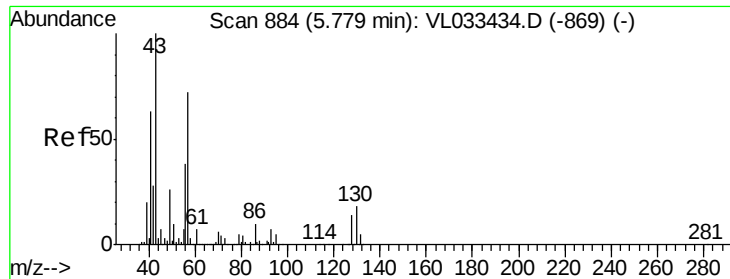
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.907 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 57 Resp: 75389

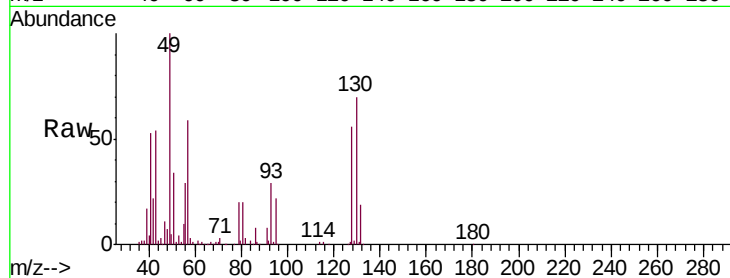
Ion Ratio Lower Upper

57 100

41 100.1 70.7 106.1

43 121.9 182.6 274.0#

56 58.3 42.0 63.0

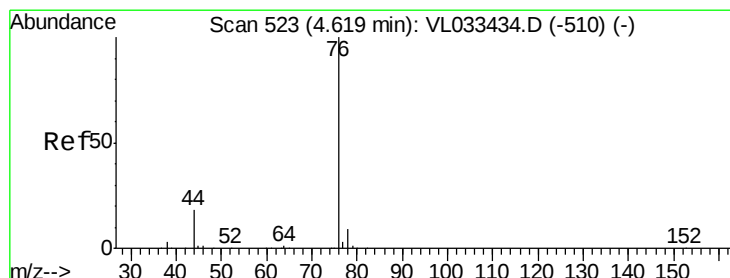
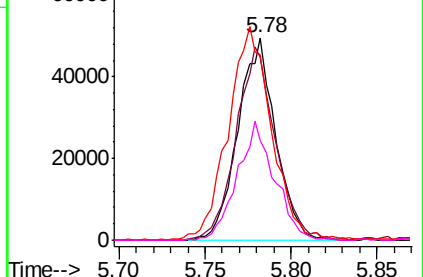
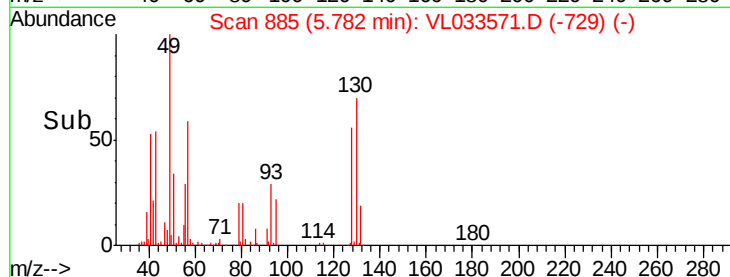


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.042 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

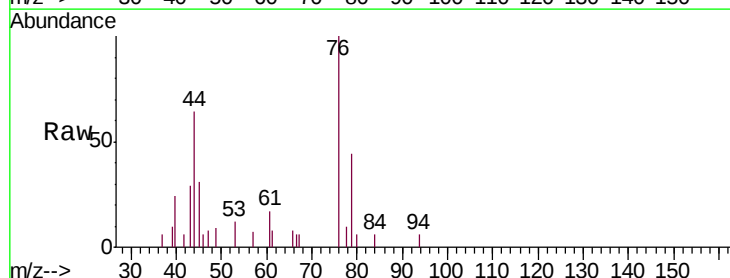
Tgt Ion: 76 Resp: 4104

Ion Ratio Lower Upper

76 100

44 89.9 14.8 22.2#

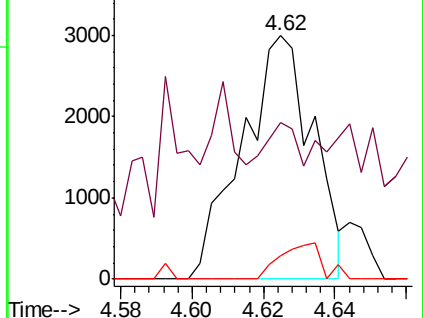
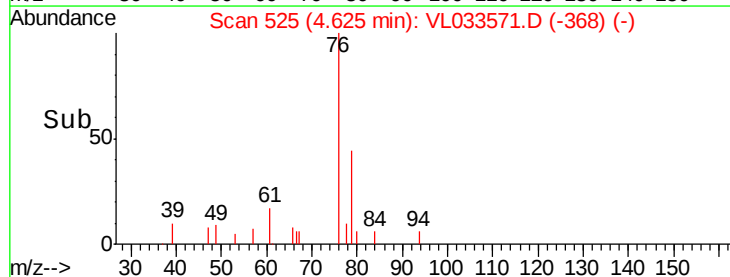
78 8.7 7.6 11.4

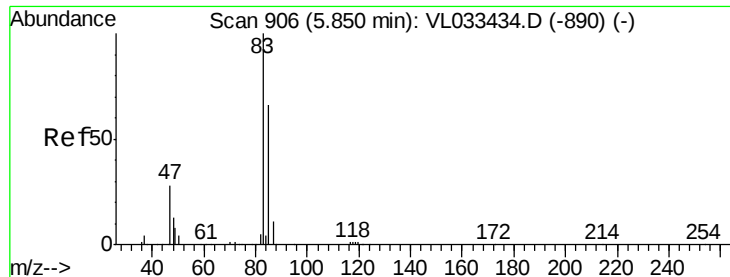


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.230 ppbv

RT: 5.85 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

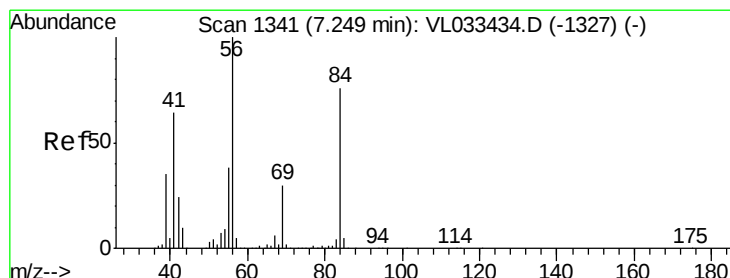
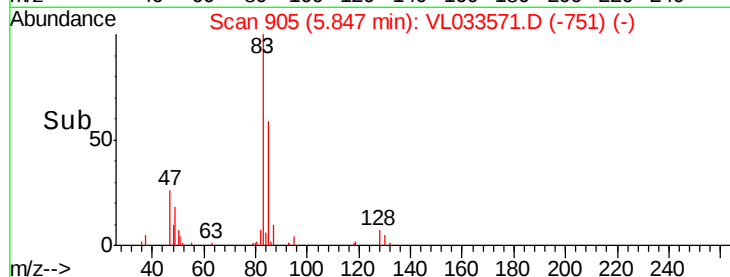
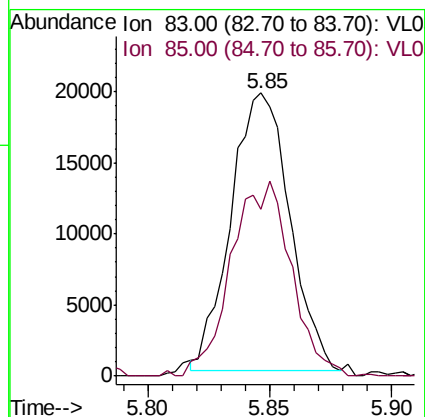
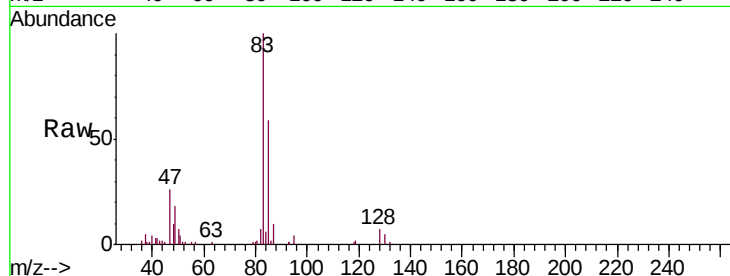
IA2

Tgt Ion: 83 Resp: 32795

Ion Ratio Lower Upper

83 100

85 57.3 52.6 79.0



#30

Cyclohexane

Concen: 0.042 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

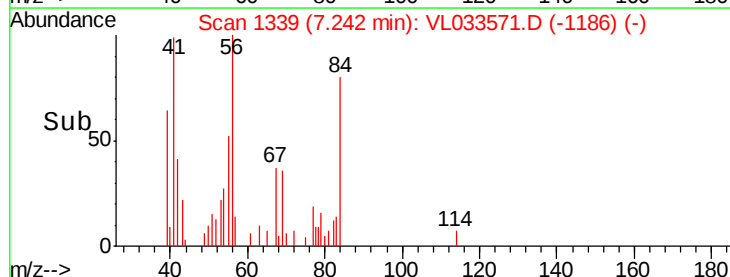
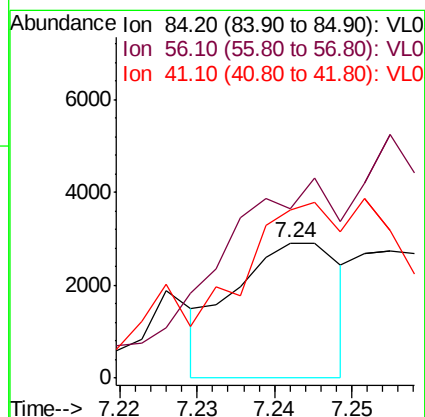
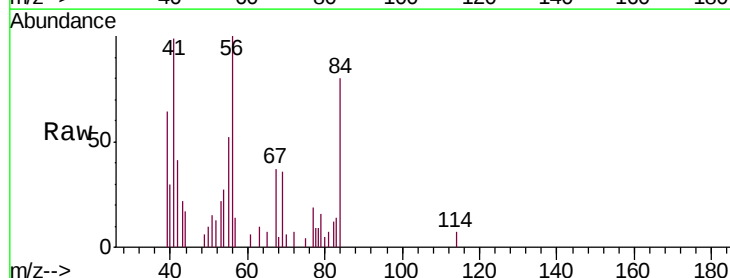
Tgt Ion: 84 Resp: 2778

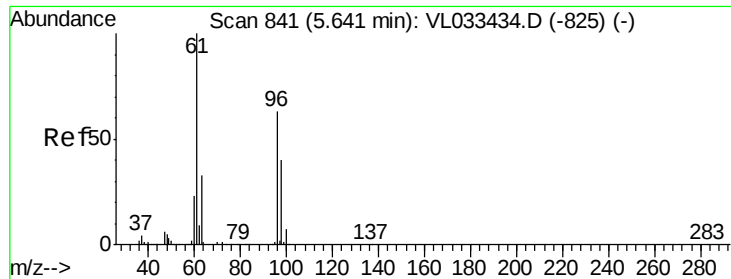
Ion Ratio Lower Upper

84 100

56 0.0 109.7 164.5#

41 0.0 68.2 102.2#



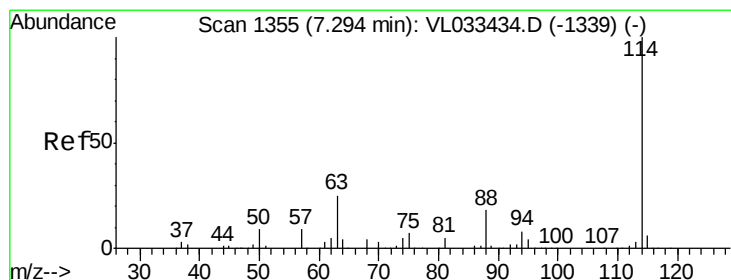
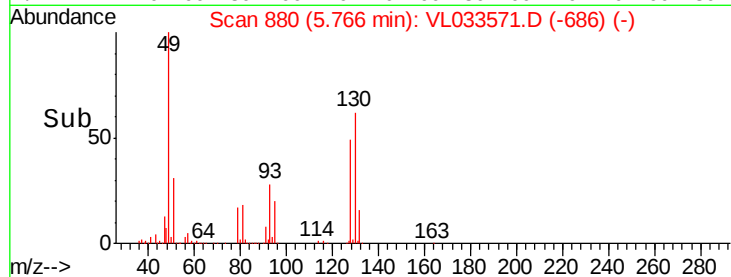
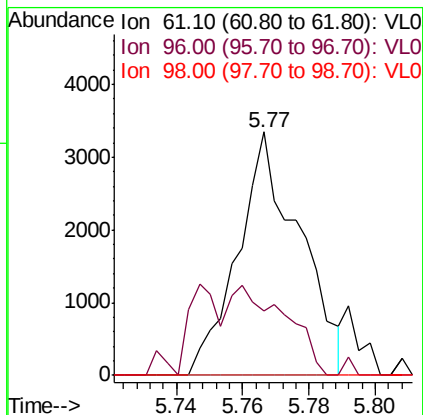
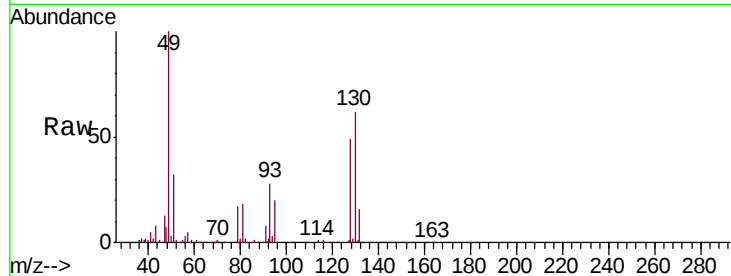


#31

cis-1,2-Dichloroethene
 Concen: 0.052 ppbv
 RT: 5.77 min Scan# 880
 Delta R.T. 0.13 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

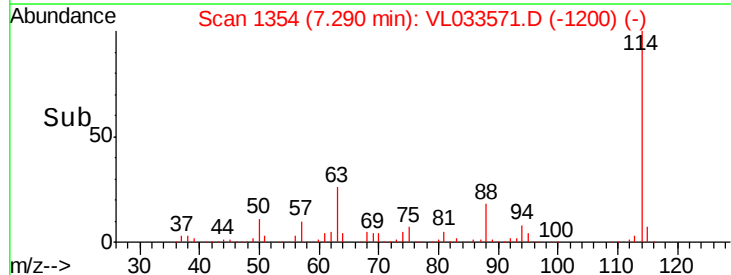
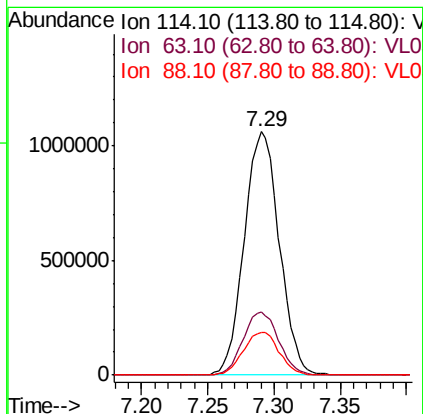
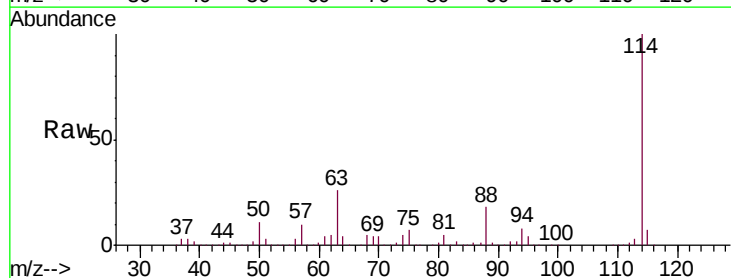
Tgt Ion: 61 Resp: 4332
 Ion Ratio Lower Upper
 61 100
 96 26.3 50.6 76.0#
 98 0.0 32.2 48.2#

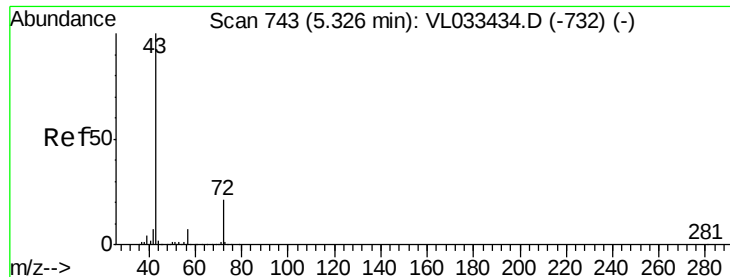


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Tgt Ion: 114 Resp: 1951693
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.5 32.3
 88 18.1 14.5 21.7

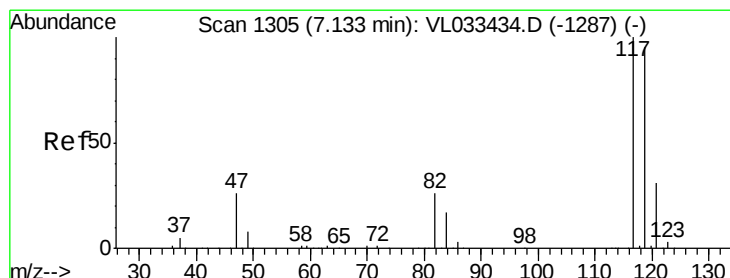
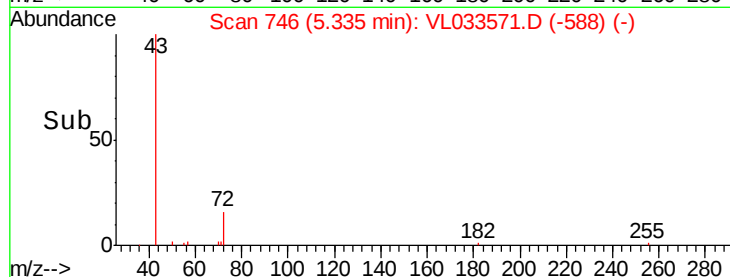
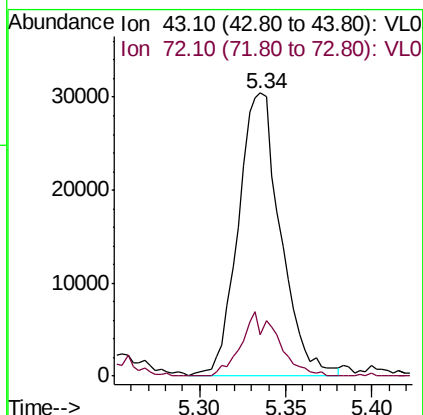
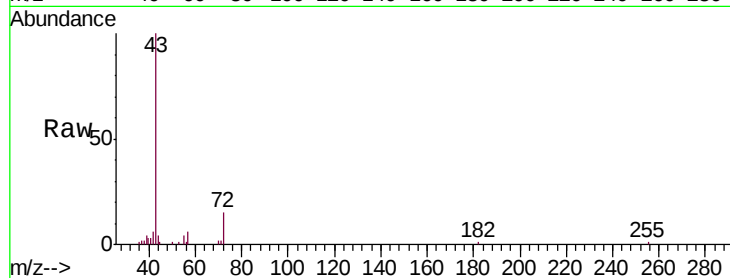




#34
2-Butanone
Concen: 0.444 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033571.D
Acq: 10 Apr 2019 19:38

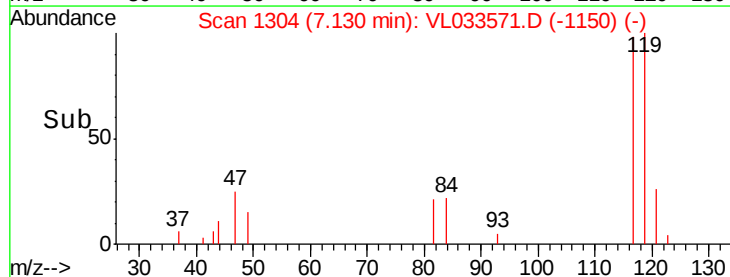
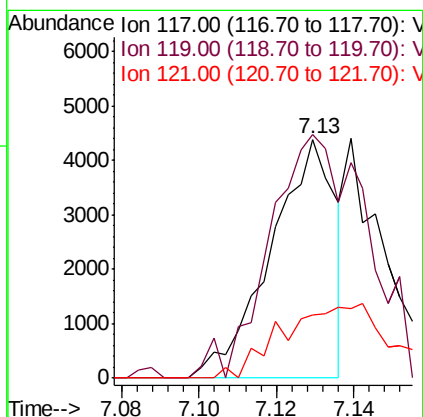
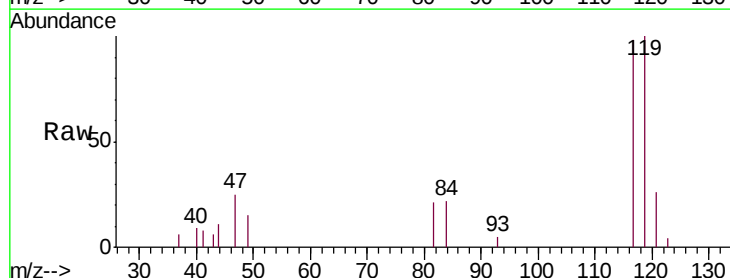
Instrument :
MSVOA_L
ClientSampleId :
IA2

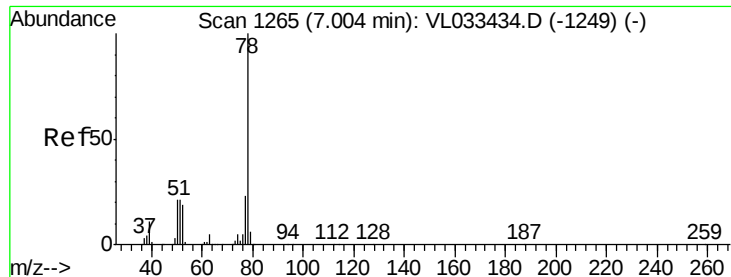
Tgt Ion: 43 Resp: 52009
Ion Ratio Lower Upper
43 100
72 19.8 17.4 26.2



#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033571.D
Acq: 10 Apr 2019 19:38

Tgt Ion: 117 Resp: 5068
Ion Ratio Lower Upper
117 100
119 101.9 75.8 113.8
121 26.3 24.7 37.1





#36

Benzene

Concen: 0.782 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

IA2

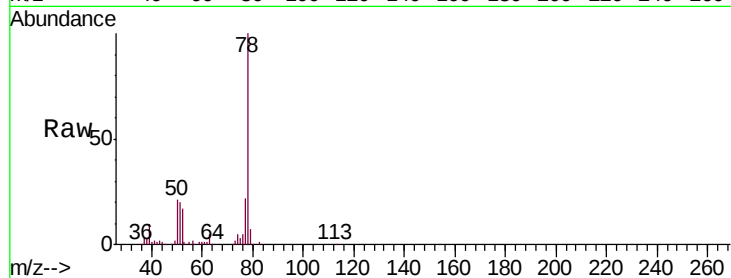
Tgt Ion: 78 Resp: 128045

Ion Ratio Lower Upper

78 100

77 22.1 18.1 27.1

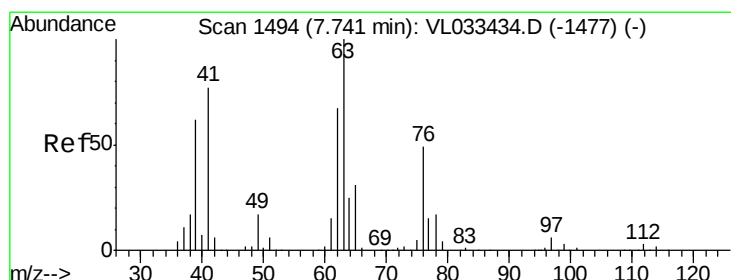
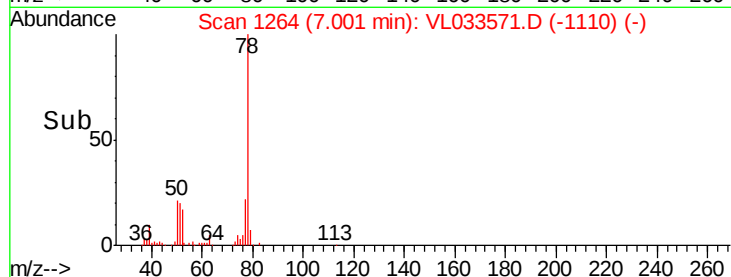
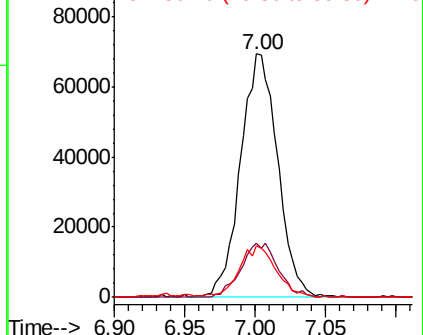
50 21.1 16.7 25.1



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: 7.971 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.45 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

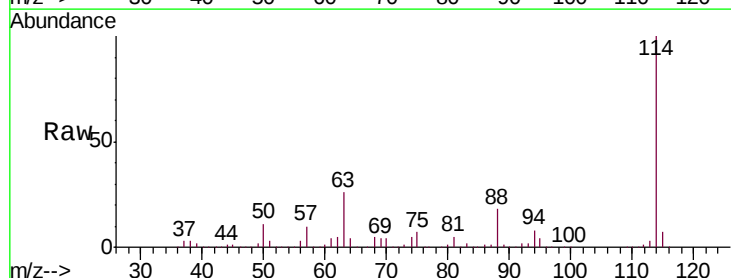
Tgt Ion: 63 Resp: 511338

Ion Ratio Lower Upper

63 100

41 0.0 61.2 91.8#

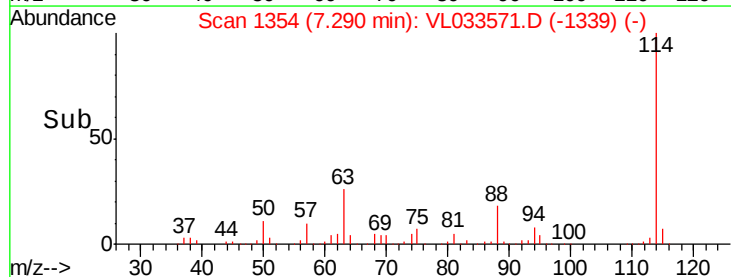
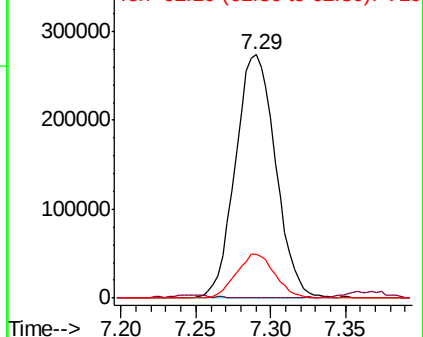
62 18.3 54.0 81.0#

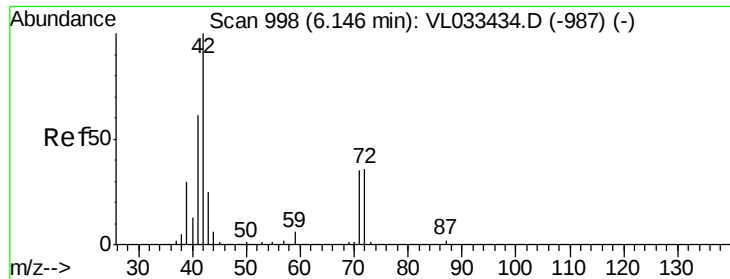


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.142 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.02 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

IA2

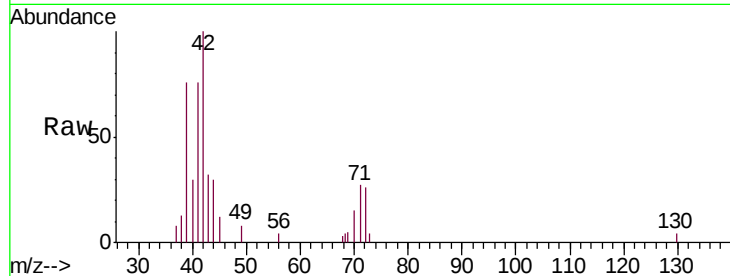
Tgt Ion: 42 Resp: 9168

Ion Ratio Lower Upper

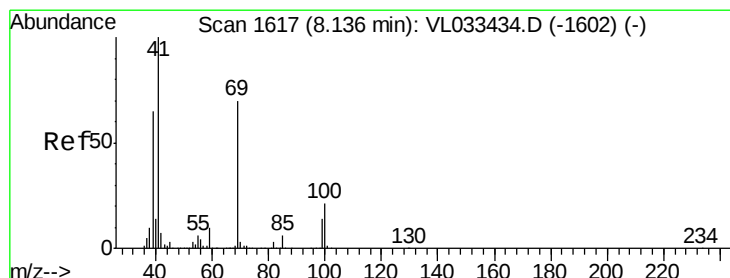
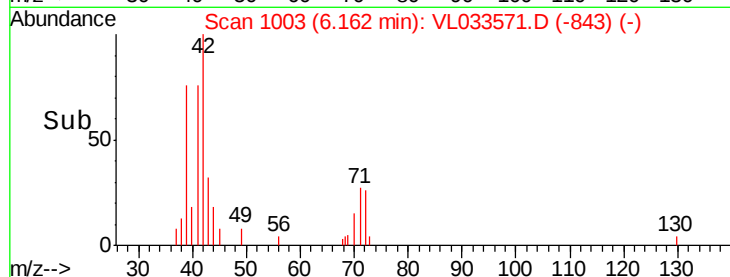
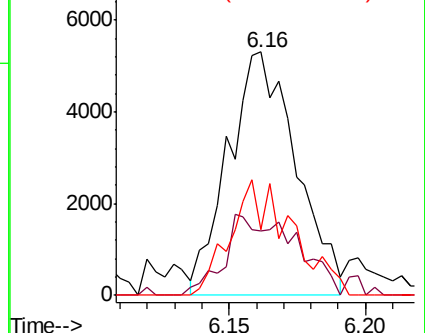
42 100

72 37.4 30.2 45.2

71 42.6 29.4 44.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.157 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

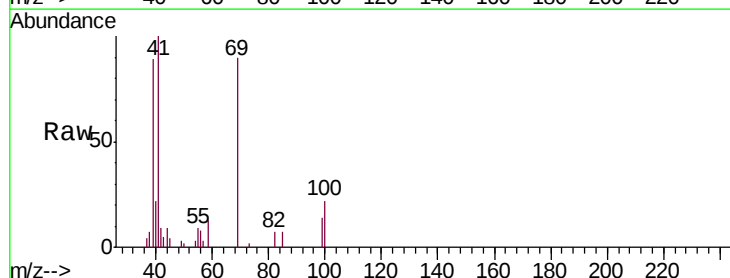
Tgt Ion: 69 Resp: 10435

Ion Ratio Lower Upper

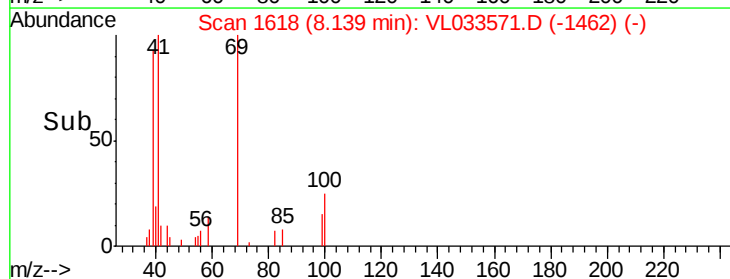
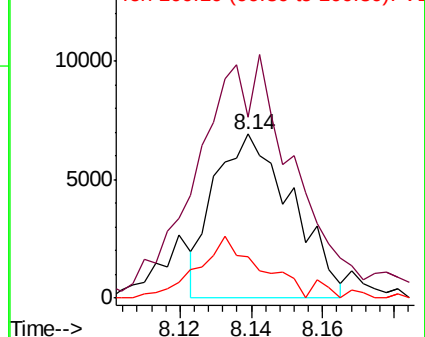
69 100

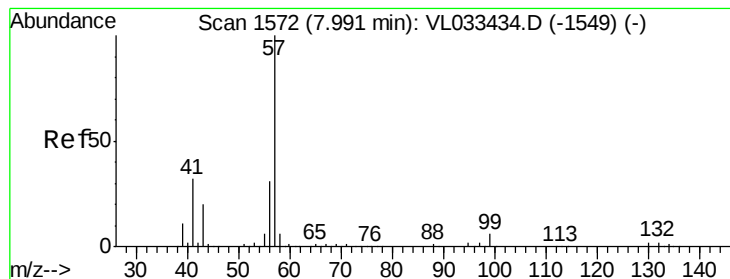
41 201.9 116.6 174.8#

100 33.3 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.281 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

IA2

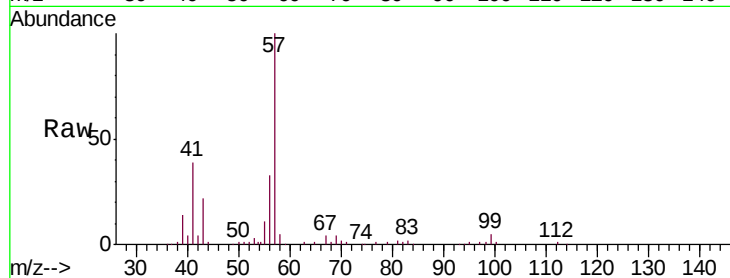
Tgt Ion: 57 Resp: 80337

Ion Ratio Lower Upper

57 100

41 81.7 26.0 39.0#

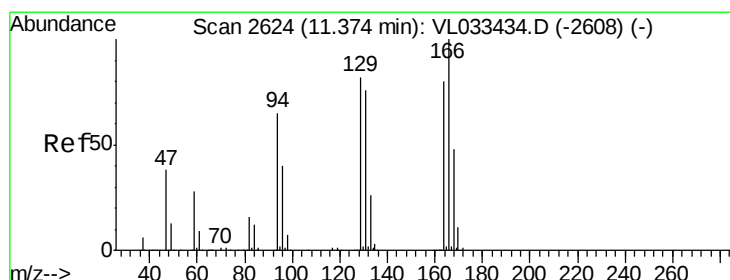
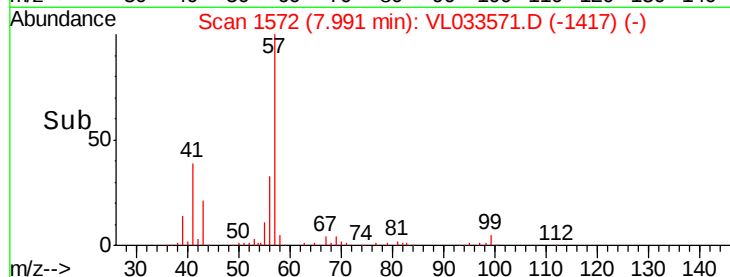
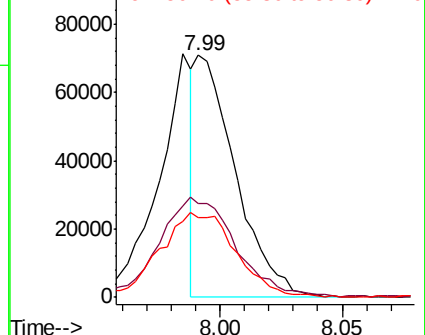
56 68.1 24.6 37.0#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 0.815 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Tgt Ion: 164 Resp: 50335

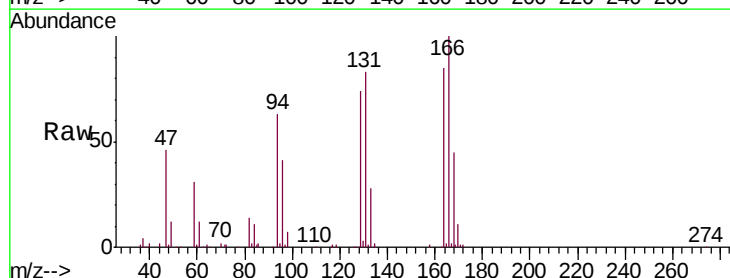
Ion Ratio Lower Upper

164 100

166 117.1 99.5 149.3

129 85.8 81.4 122.2

131 98.4 75.6 113.4

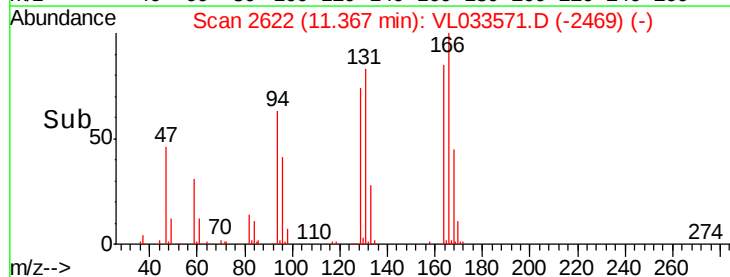
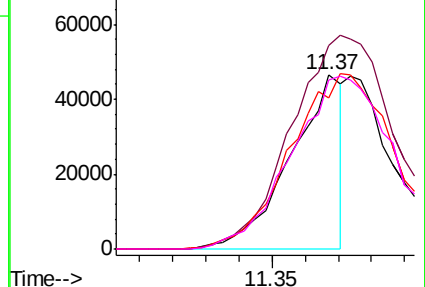


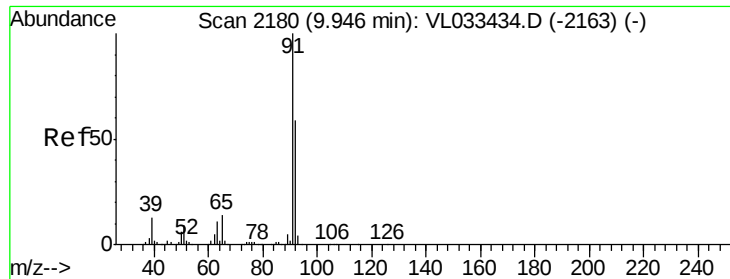
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.518 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampled :

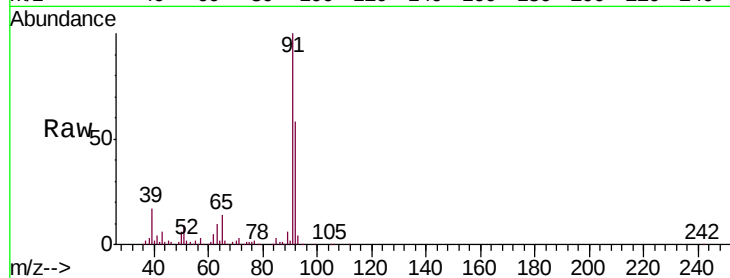
IA2

Tgt Ion: 91 Resp: 479191

Ion Ratio Lower Upper

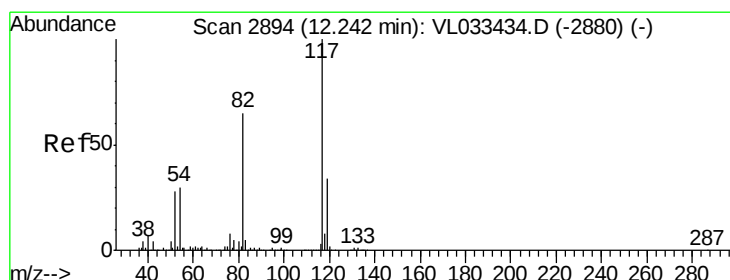
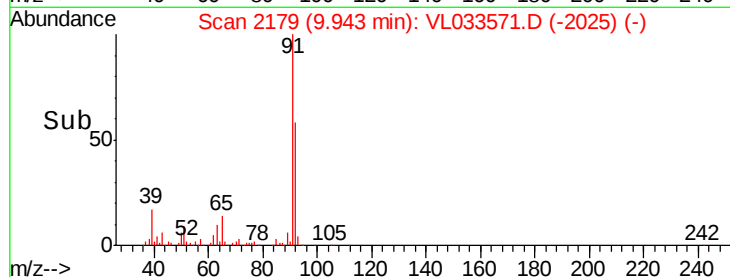
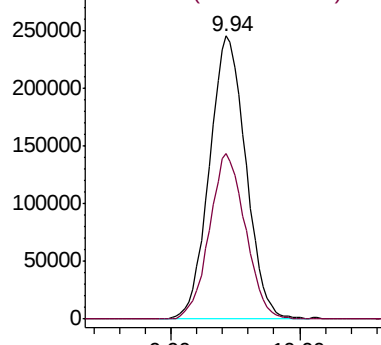
91 100

92 58.2 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: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

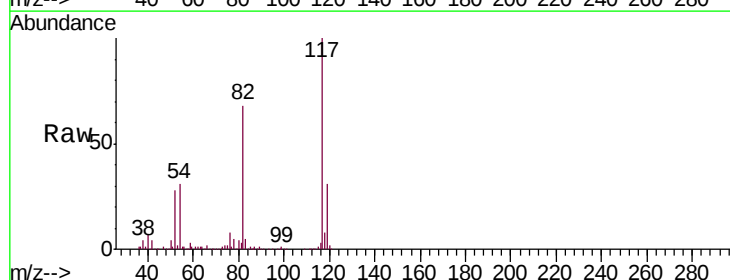
Tgt Ion: 117 Resp: 1977349

Ion Ratio Lower Upper

117 100

82 66.8 51.5 77.3

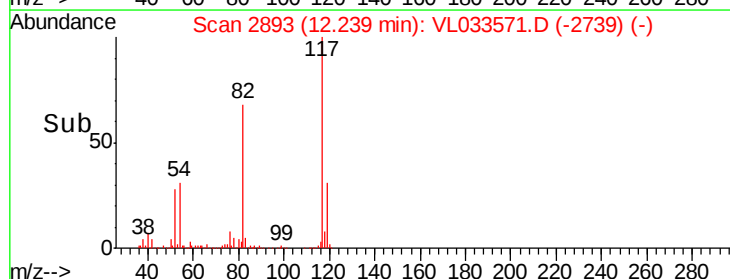
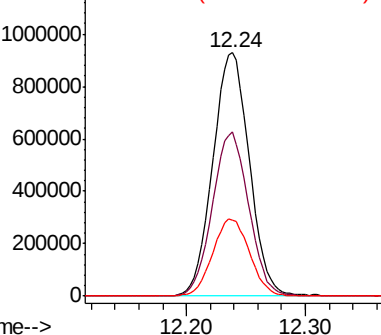
119 32.2 25.5 38.3

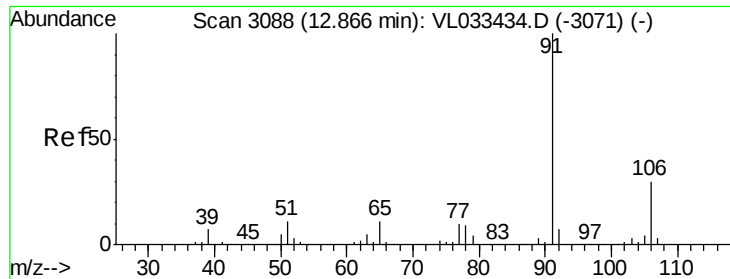


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.217 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

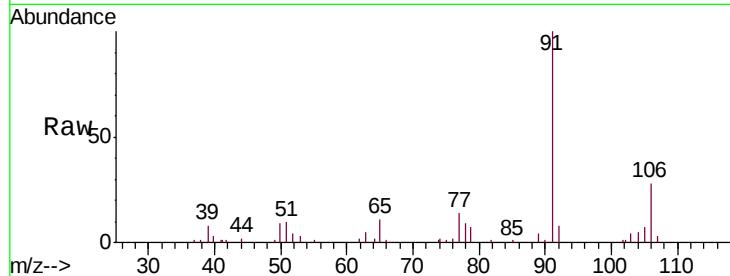
IA2

Tgt Ion: 91 Resp: 57215

Ion Ratio Lower Upper

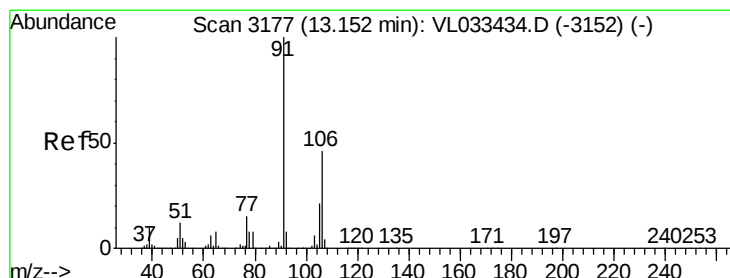
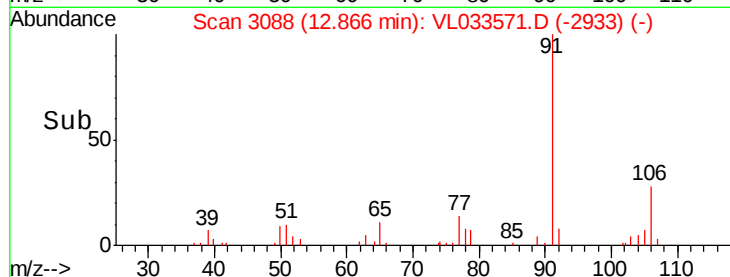
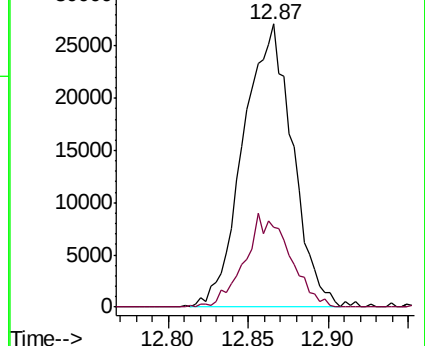
91 100

106 28.4 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.308 ppbv

RT: 13.14 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL033571.D

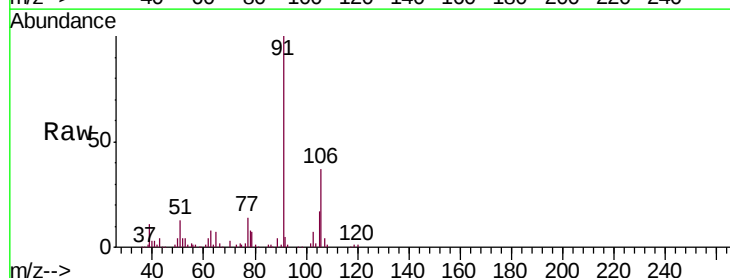
Acq: 10 Apr 2019 19:38

Tgt Ion: 91 Resp: 72623

Ion Ratio Lower Upper

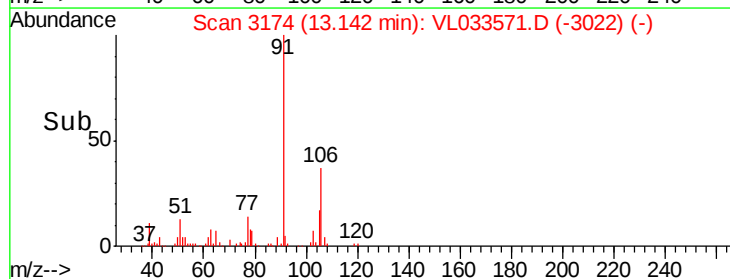
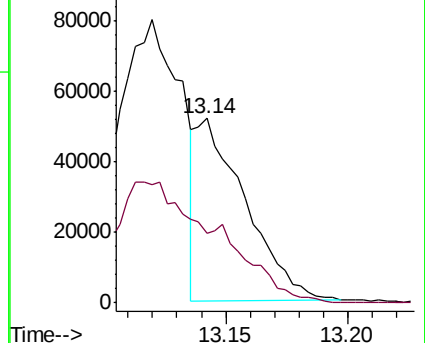
91 100

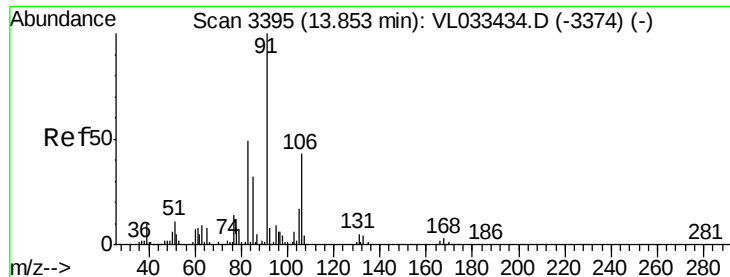
106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

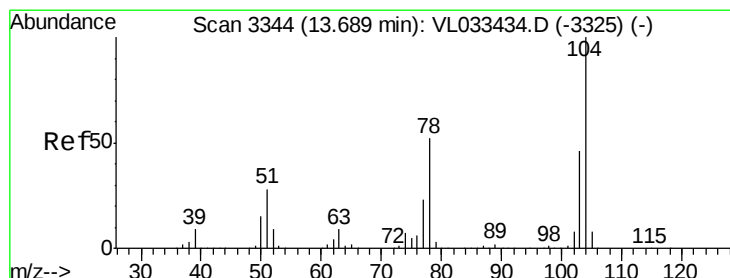
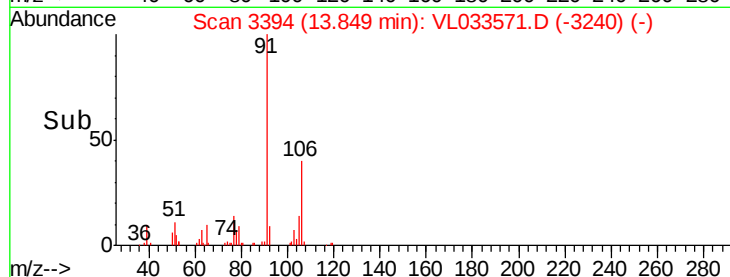
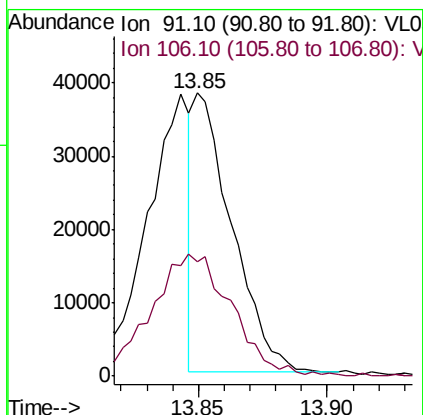
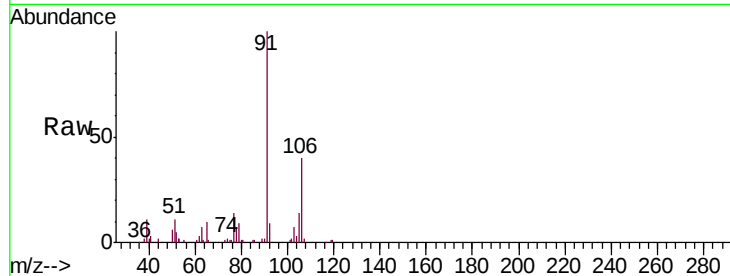




#60
o-Xylene
Concen: 0.171 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033571.D
Acq: 10 Apr 2019 19:38

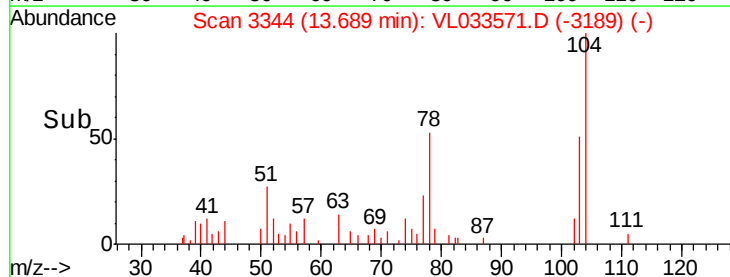
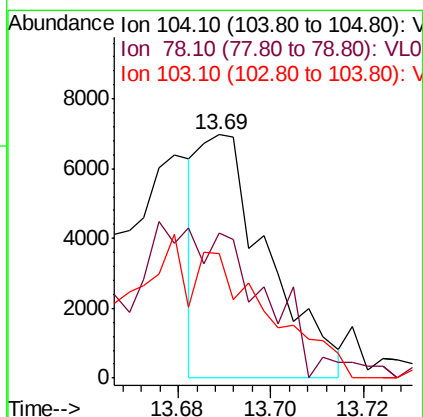
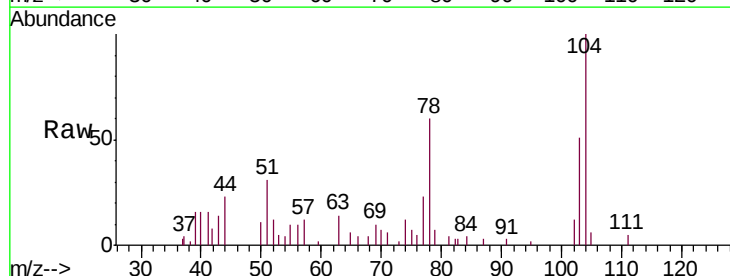
Instrument :
MSVOA_L
ClientSampled :
IA2

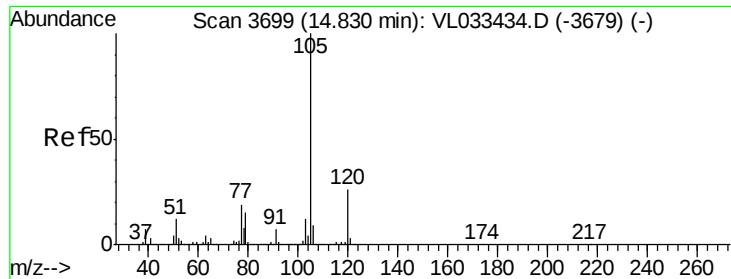
Tgt Ion: 91 Resp: 39052
Ion Ratio Lower Upper
91 100
106 92.7 21.4 64.3#



#61
Styrene
Concen: 0.046 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033571.D
Acq: 10 Apr 2019 19:38

Tgt Ion: 104 Resp: 7142
Ion Ratio Lower Upper
104 100
78 0.0 43.2 64.8#
103 0.0 37.8 56.8#





#62

Isopropylbenzene

Concen: 0.034 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

Instrument :

MSVOA_L

ClientSampleId :

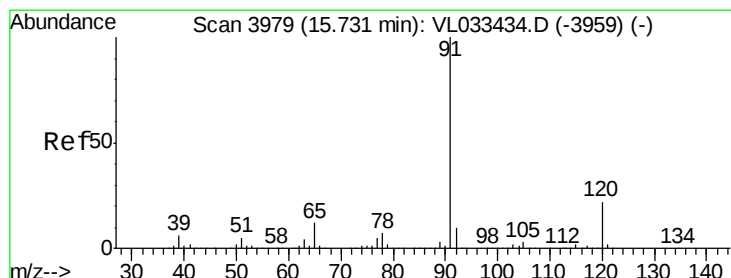
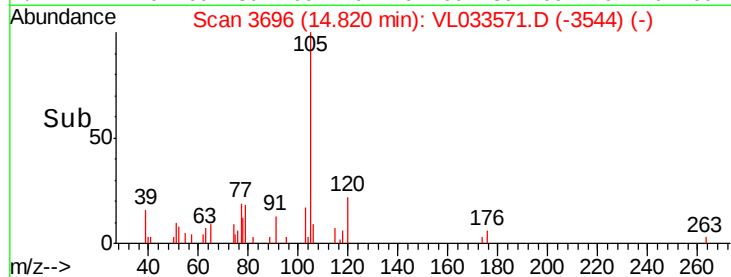
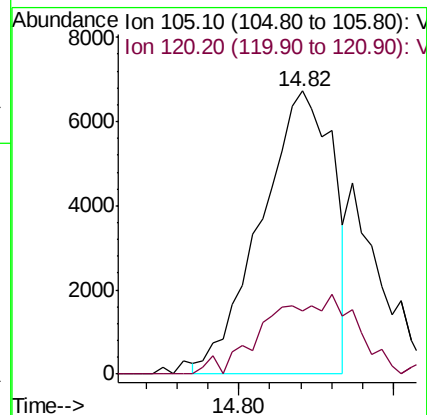
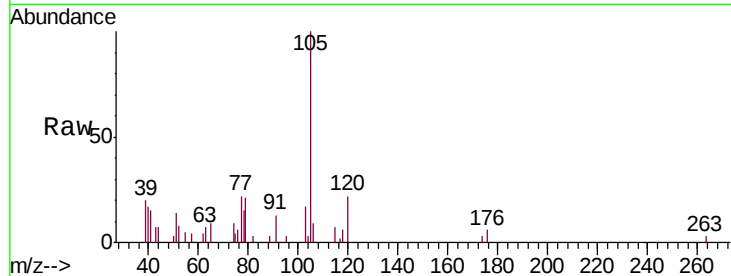
IA2

Tgt Ion:105 Resp: 10965

Ion Ratio Lower Upper

105 100

120 0.0 20.2 30.2#



#64

n-propylbenzene

Concen: 0.041 ppbv

RT: 15.73 min Scan# 3980

Delta R.T. 0.00 min

Lab File: VL033571.D

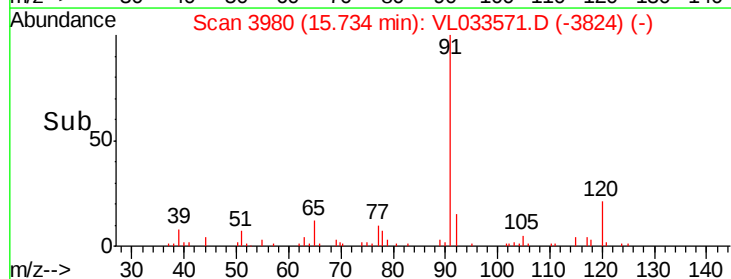
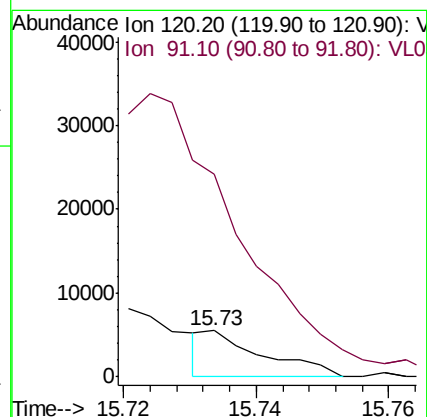
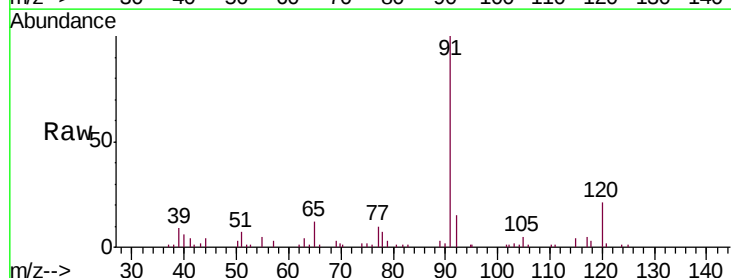
Acq: 10 Apr 2019 19:38

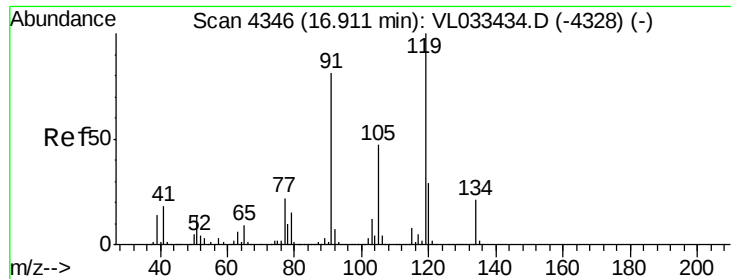
Tgt Ion:120 Resp: 3350

Ion Ratio Lower Upper

120 100

91 0.0 387.4 581.2#

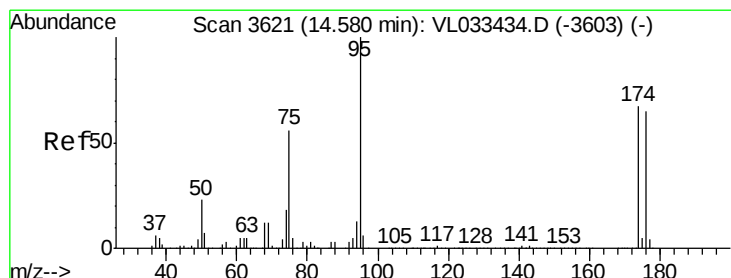
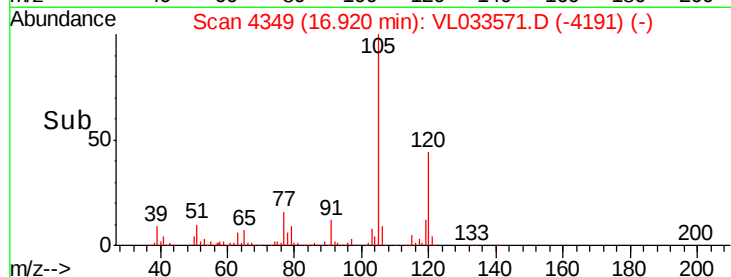
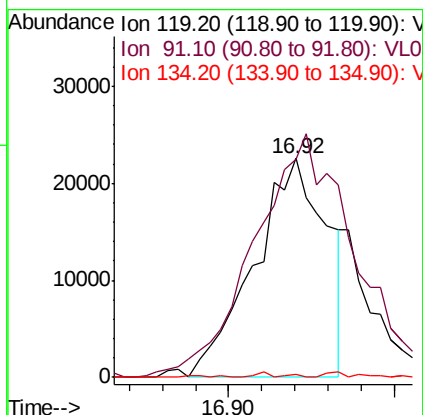
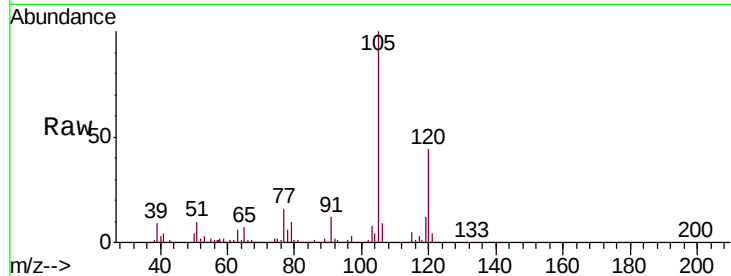




#65
 tert-Butylbenzene
 Concen: 0.121 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

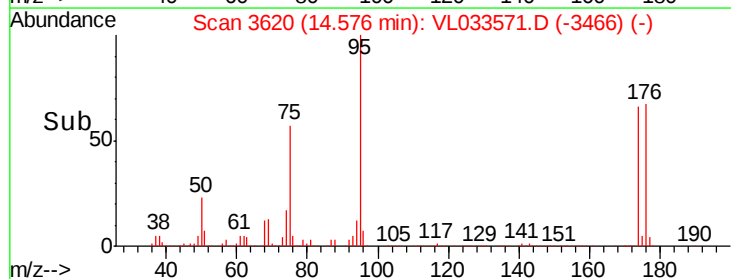
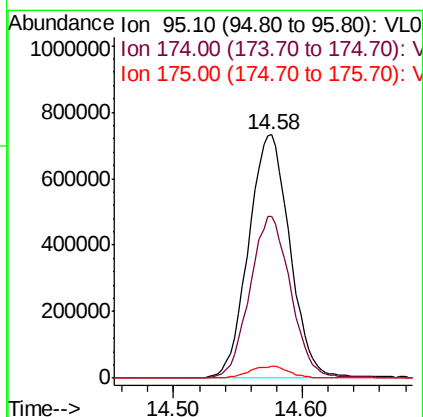
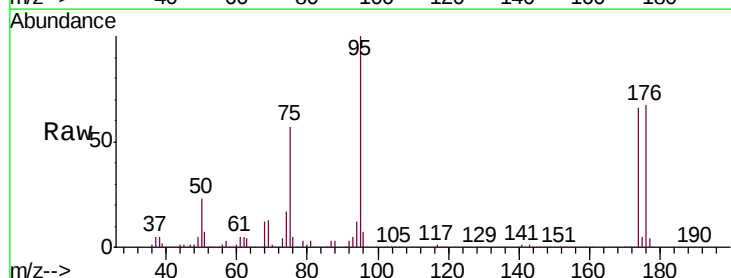
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

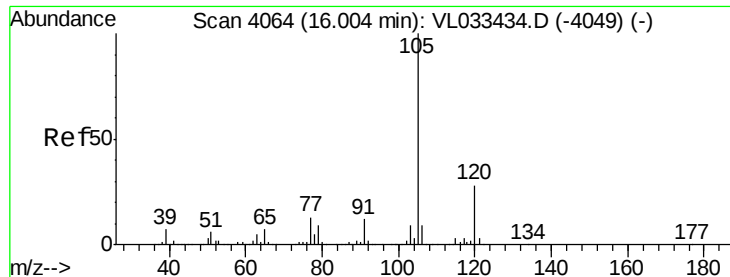
Tgt Ion: 119 Resp: 34305
 Ion Ratio Lower Upper
 119 100
 91 154.9 66.4 99.6#
 134 1.6 15.5 23.3#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.493 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Tgt Ion: 95 Resp: 1626616
 Ion Ratio Lower Upper
 95 100
 174 66.5 52.9 79.3
 175 4.8 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.473 ppbv

RT: 16.00 min Scan# 4063

Delta R.T. -0.00 min

Lab File: VL033571.D

Acq: 10 Apr 2019 19:38

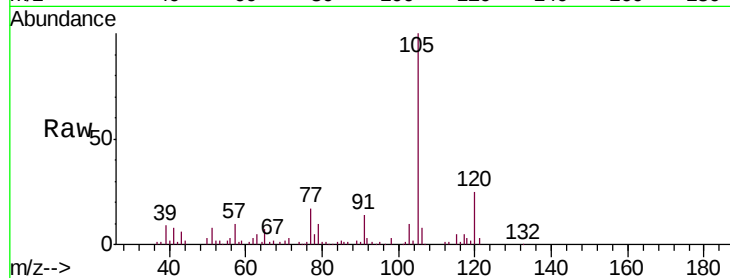
Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion:	105	Resp:	121196
Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.2	34.8
91	16.6	10.4	15.6
77	15.3	11.3	16.9

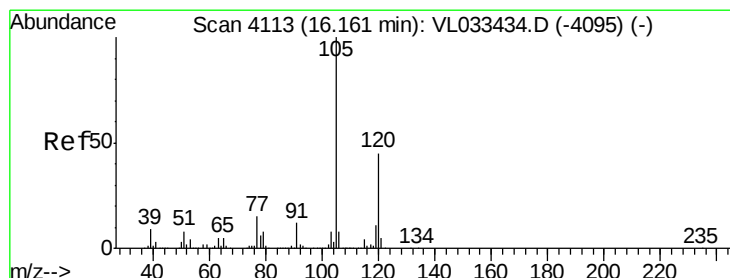
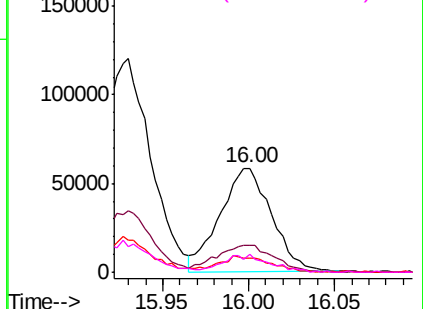
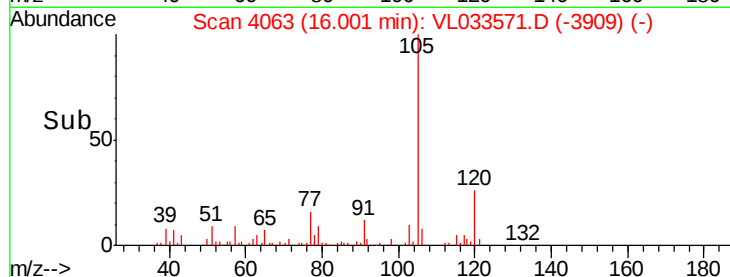


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.396 ppbv

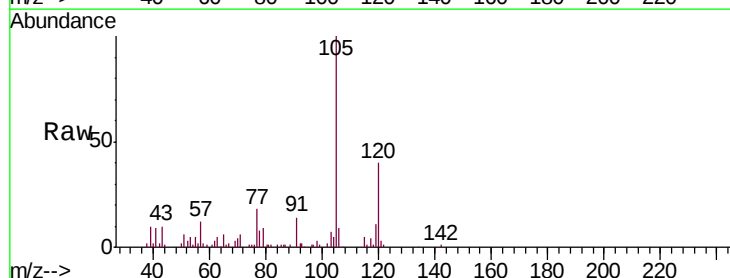
RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033571.D

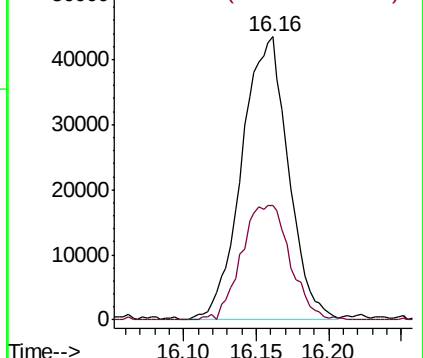
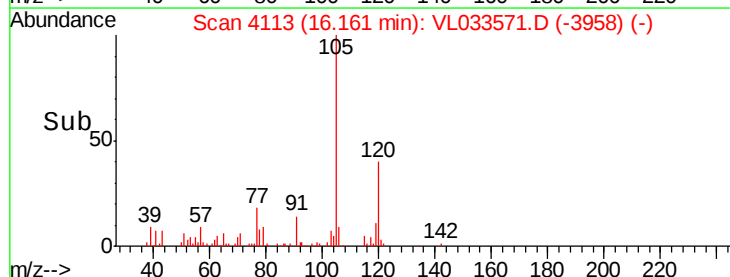
Acq: 10 Apr 2019 19:38

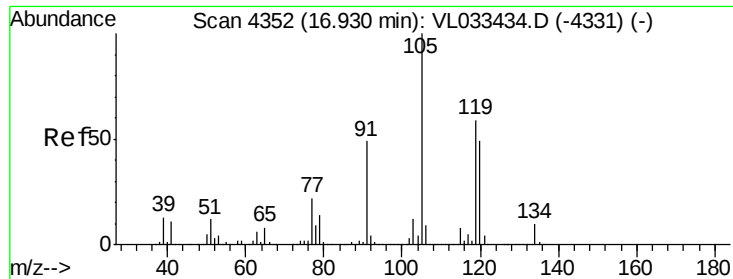
Tgt Ion:	105	Resp:	97078
Ion	Ratio	Lower	Upper
105	100		
120	43.3	35.7	53.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

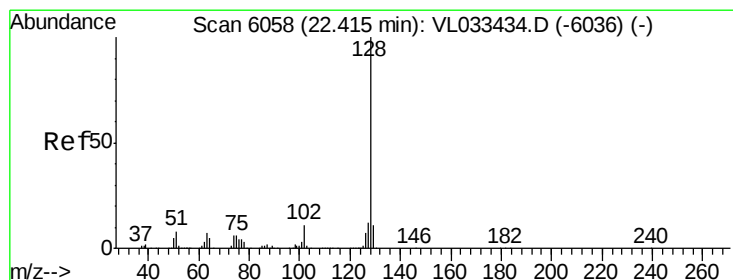
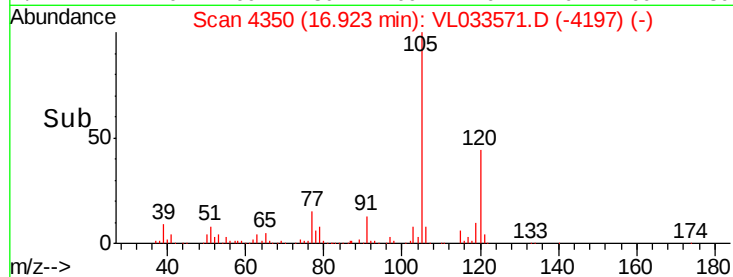
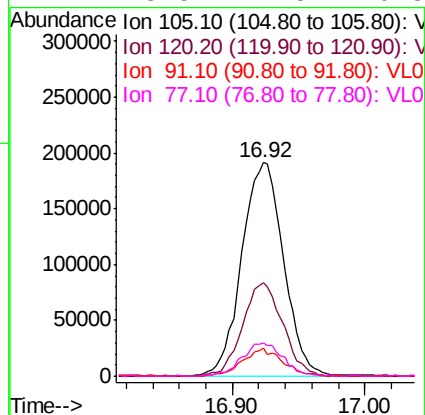
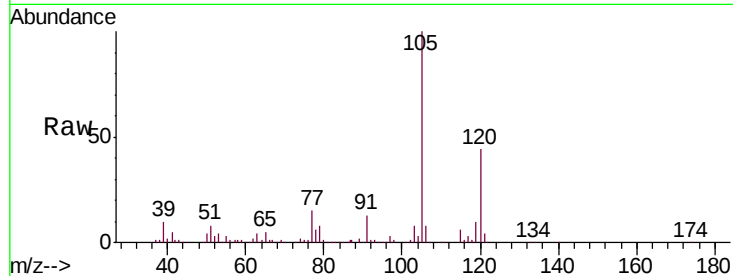




#74
 1,2,4-Trimethylbenzene
 Concen: 1.591 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

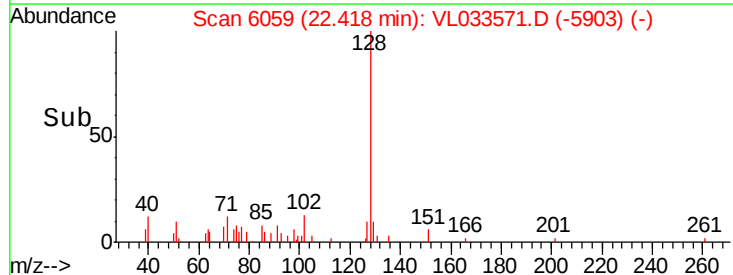
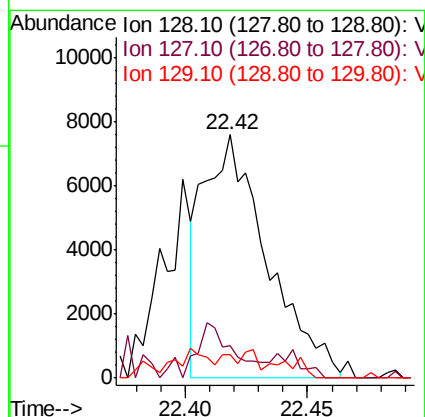
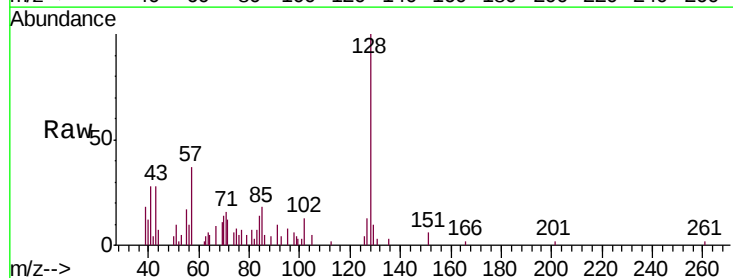
Instrument :
 MSVOA_L
 ClientSampleID :
 IA2

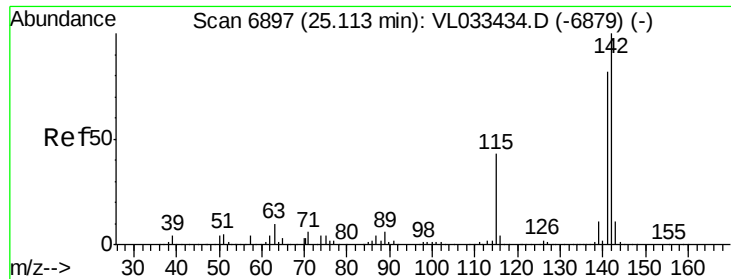
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	39.0	58.6
91	13.1	40.0	60.0#
77	15.5	17.5	26.3#



#79
 Naphthalene
 Concen: 0.061 ppbv
 RT: 22.42 min Scan# 6059
 Delta R.T. 0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.8	14.8
129	10.1	8.6	12.8

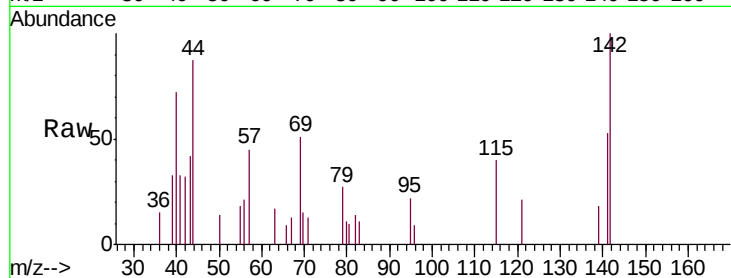




#80
 Naphthalene, 2-methyl-
 Concen: 0.037 ppbv
 RT: 25.12 min Scan# 6898
 Delta R.T. 0.00 min
 Lab File: VL033571.D
 Acq: 10 Apr 2019 19:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tgt Ion: 142 Resp: 2820
 Ion Ratio Lower Upper
 142 100
 141 85.2 66.6 99.8
 115 46.1 34.4 51.6



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

