

Data File : VL032677.D
Acq On : 19 Oct 2018 10:20
Operator : SY/AP
Sample : J5581-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-5

Quant Time: Oct 19 23:12:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1470070	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3380046	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3304175	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2458915	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	64909	0.433	ppbv	95
3) Chlorodifluoromethane	3.02	51	421676	3.668	ppbv #	90
4) Chloromethane	3.18	50	31642	0.493	ppbv	89
9) Propene	3.06	41	38166	0.807	ppbv #	76
10) Heptane	8.26	43	53887	0.296	ppbv	98
11) Trichlorofluoromethane	4.02	101	43571	0.223	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.56	101	5660	0.035	ppbv #	1
13) Ethanol	3.67	45	1645608	121.694	ppbv	97
15) Acetone	3.91	43	1115429	8.217	ppbv	99
16) 1,3-Butadiene	3.35	39	6801	0.136	ppbv #	32
17) tert-Butyl alcohol	4.38	59	10185	0.255	ppbv #	100
19) Isopropyl Alcohol	4.04	45	1421957	14.709	ppbv #	97
20) Methylene Chloride	4.42	84	95554	1.387	ppbv	97
21) Allyl Chloride	4.42	41	2709	0.024	ppbv #	21
23) Vinyl Acetate	5.16	43	45968	0.191	ppbv #	61
25) Ethyl Acetate	5.79	43	392076	1.255	ppbv #	87
26) Hexane	5.79	57	398232	2.694	ppbv #	54
27) Carbon Disulfide	4.63	76	4632	0.026	ppbv #	62
29) Chloroform	5.86	83	8586	0.036	ppbv	85
30) Cyclohexane	7.26	84	3814	0.033	ppbv #	3
31) cis-1,2-Dichloroethene	5.78	61	13966	0.102	ppbv #	41
34) 2-Butanone	5.35	43	131101	0.724	ppbv	99
35) Carbon Tetrachloride	7.15	117	18703	0.078	ppbv	95
36) Benzene	7.02	78	44213	0.161	ppbv	97
39) 1,2-Dichloropropane	7.30	63	842948	7.953	ppbv #	25
41) Tetrahydrofuran	6.16	42	4154	0.041	ppbv #	35
43) Methyl Methacrylate	8.15	69	5980	0.059	ppbv #	1
44) 2,2,4-Trimethylpentane	8.00	57	24960	0.053	ppbv #	31
50) 4-Methyl-2-Pentanone	8.90	43	6925	0.026	ppbv #	58
51) 2-Hexanone	10.07	43	48962	0.245	ppbv #	32
53) Toluene	9.96	91	2105201	6.691	ppbv	98
58) Ethyl Benzene	12.88	91	11694	0.030	ppbv	91
59) m/p-Xylene	13.17	91	11234	0.033	ppbv #	31
60) o-Xylene	13.87	91	10067	0.031	ppbv #	32
61) Styrene	13.70	104	5665	0.026	ppbv #	6
74) 1,2,4-Trimethylbenzene	16.95	105	36963	0.101	ppbv #	70

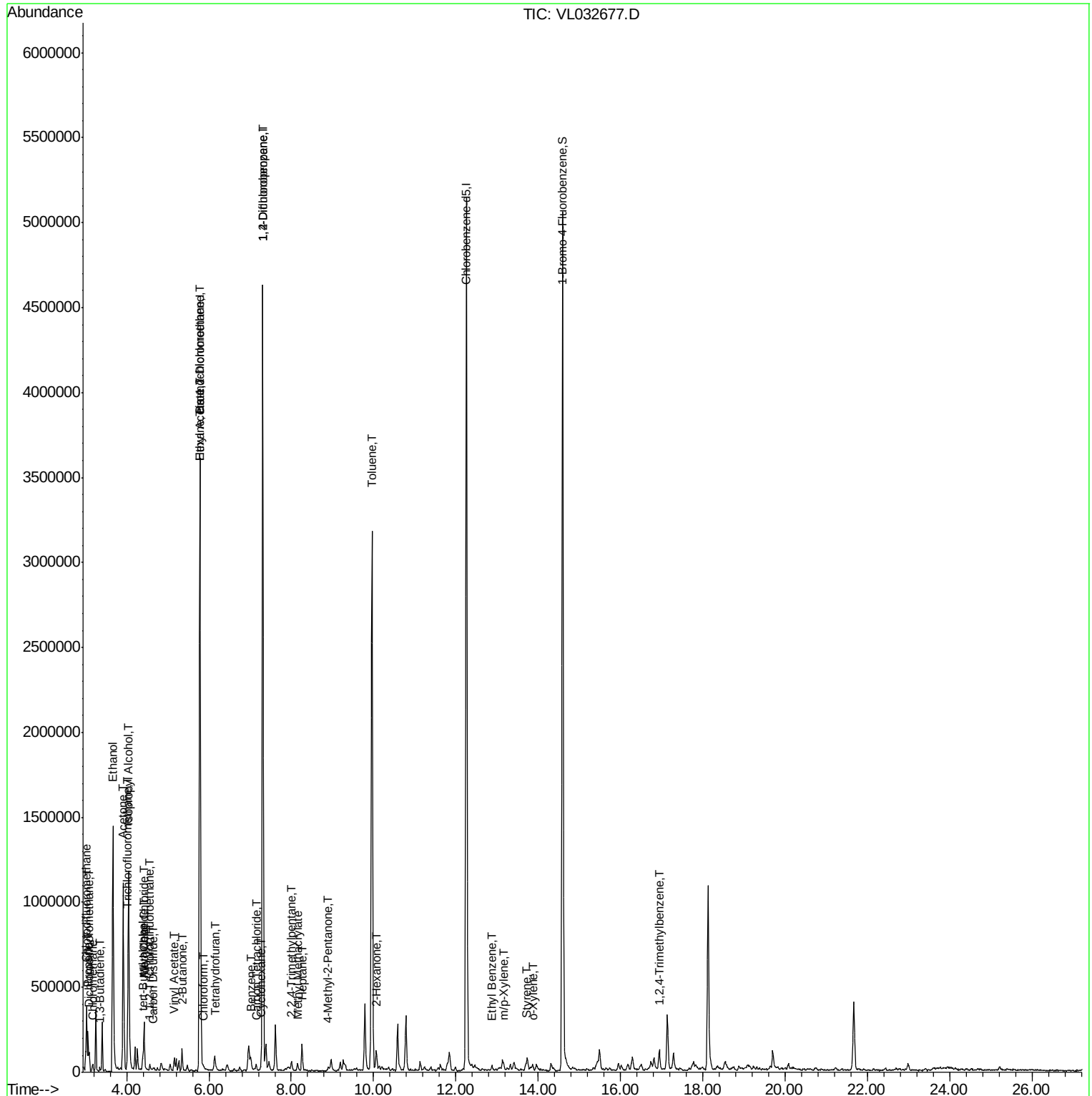
(#) = qualifier out of range (m) = manual integration (+) = signals summed

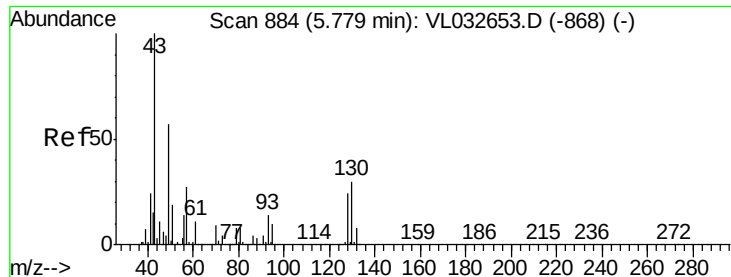
Data File : VL032677.D

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Acq On       : 19 Oct 2018  10:20
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Sample       : J5581-05
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ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Oct 19 23:12:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :
MSVOA_L
ClientSampleId :
A-5

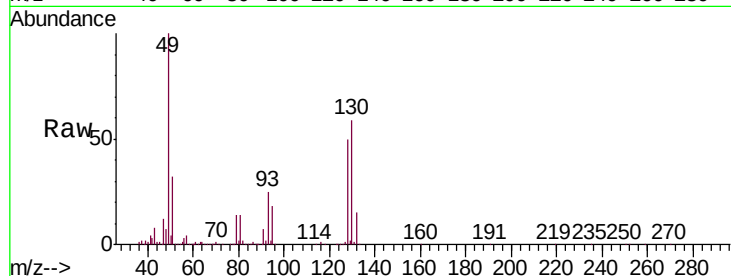
Tgt Ion: 49 Resp: 1470070

Ion Ratio Lower Upper

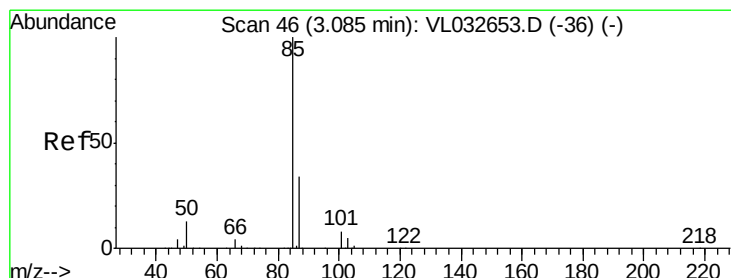
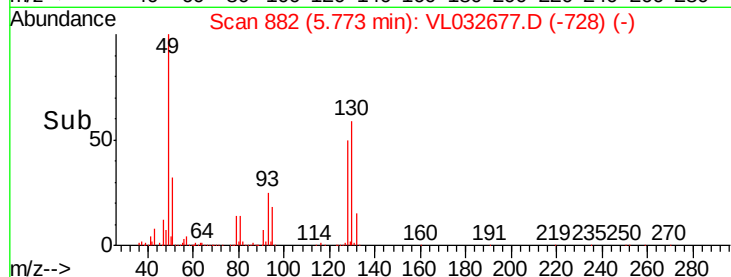
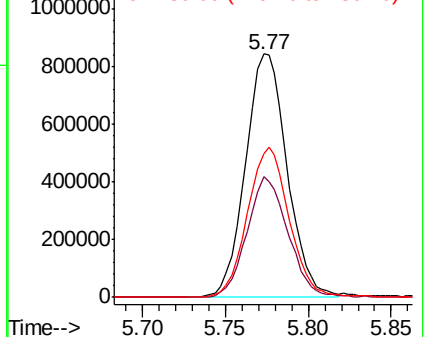
49 100

128 49.2 22.3 66.8

130 62.7 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.433 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032677.D

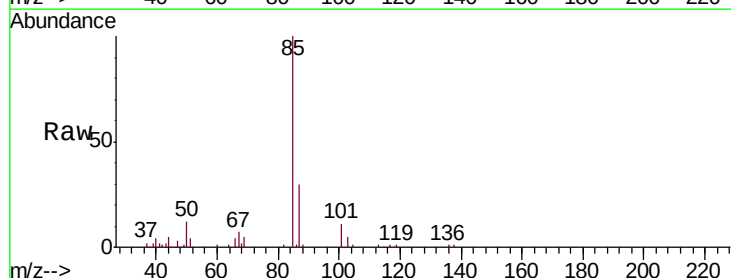
Acq: 19 Oct 2018 10:20

Tgt Ion: 85 Resp: 64909

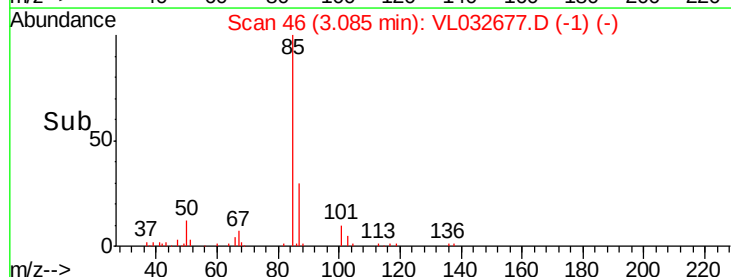
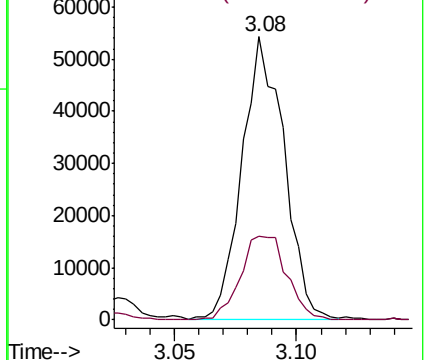
Ion Ratio Lower Upper

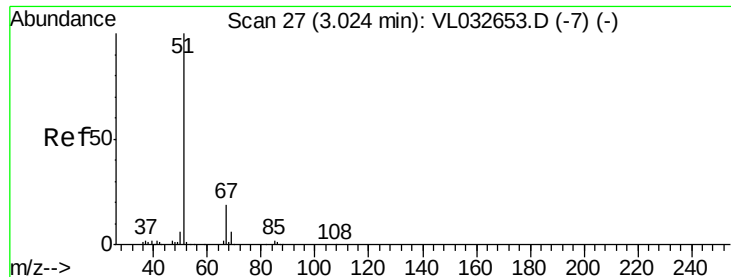
85 100

87 29.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

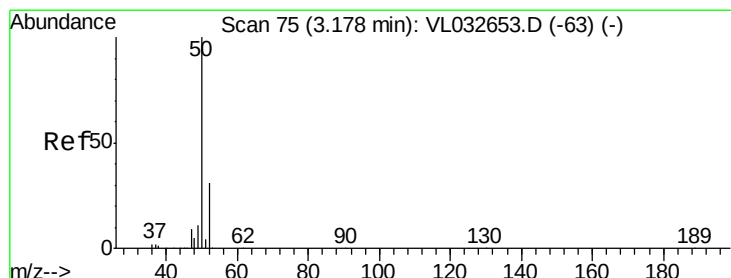
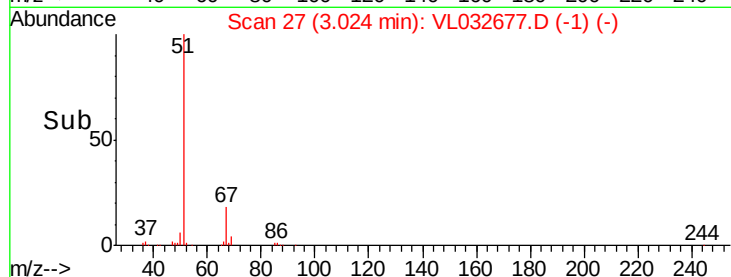
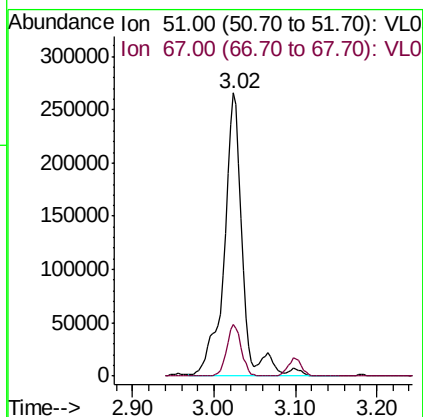
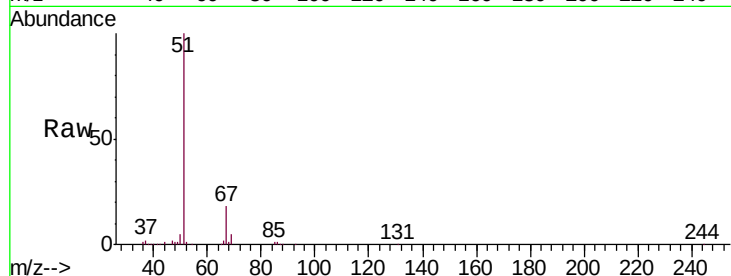




#3
 Chlorodifluoromethane
 Concen: 3.668 ppbv
 RT: 3.02 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

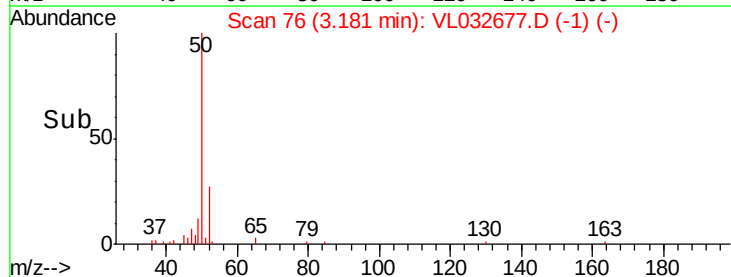
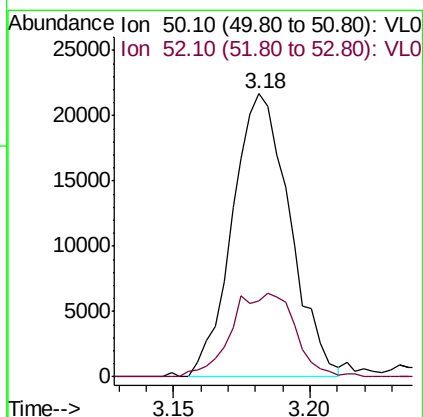
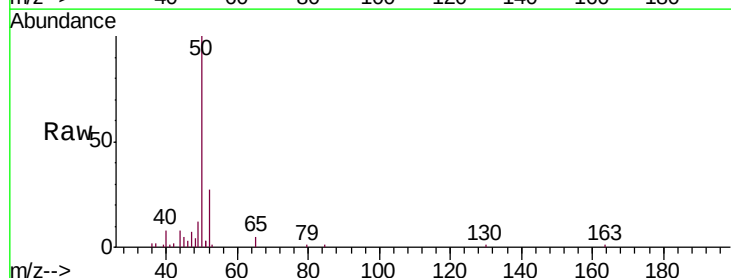
Instrument :
 MSVOA_L
 ClientSampleId :
 A-5

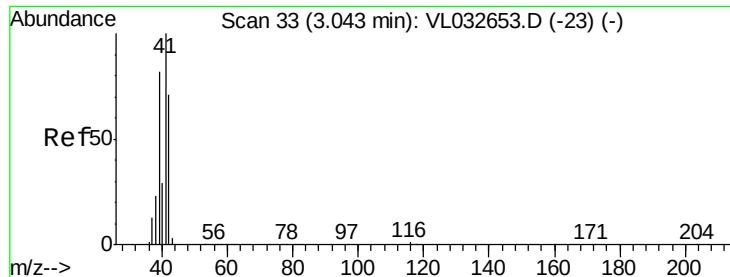
Tgt Ion: 51 Resp: 421676
 Ion Ratio Lower Upper
 51 100
 67 14.6 15.2 22.8#



#4
 Chloromethane
 Concen: 0.493 ppbv
 RT: 3.18 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 50 Resp: 31642
 Ion Ratio Lower Upper
 50 100
 52 26.1 25.9 38.9





#9

Propene

Concen: 0.807 ppbv

RT: 3.06 min Scan# 38

Delta R.T. 0.02 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

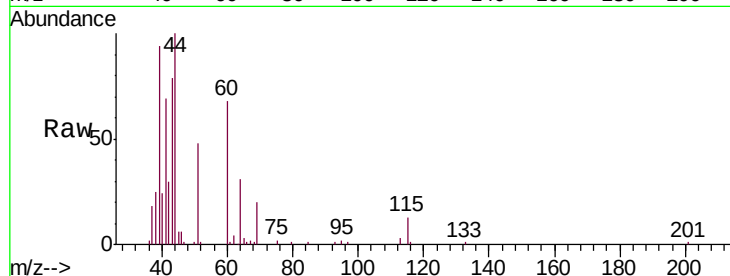
A-5

Tgt Ion: 41 Resp: 38166

Ion Ratio Lower Upper

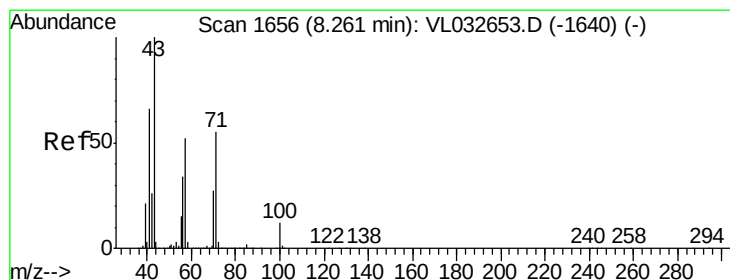
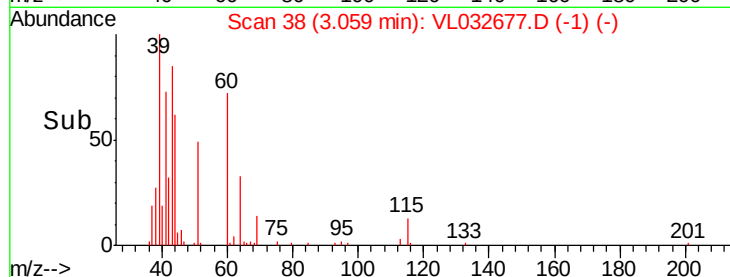
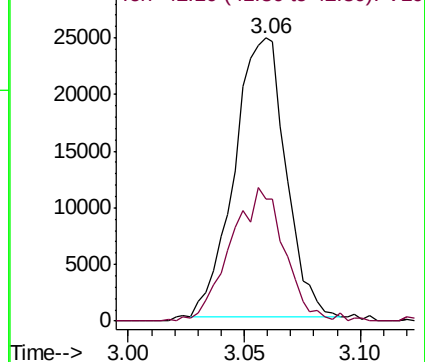
41 100

42 50.0 55.4 83.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.296 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032677.D

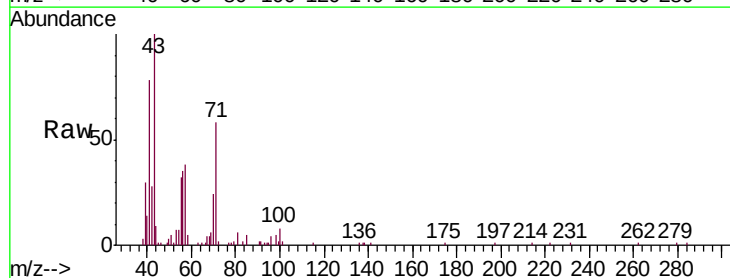
Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 53887

Ion Ratio Lower Upper

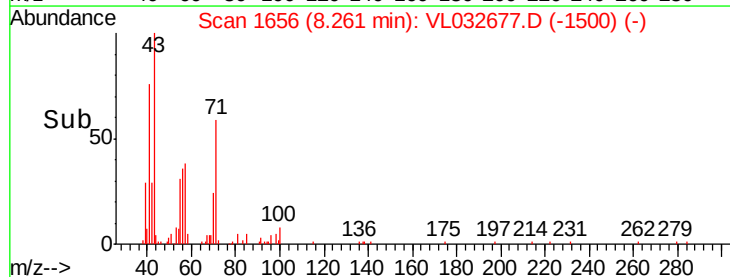
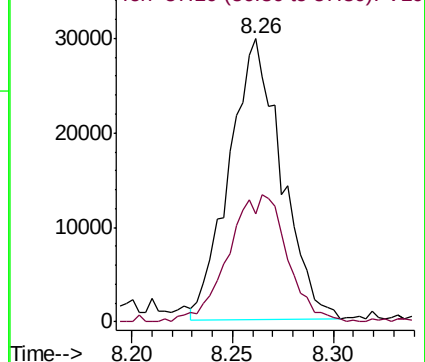
43 100

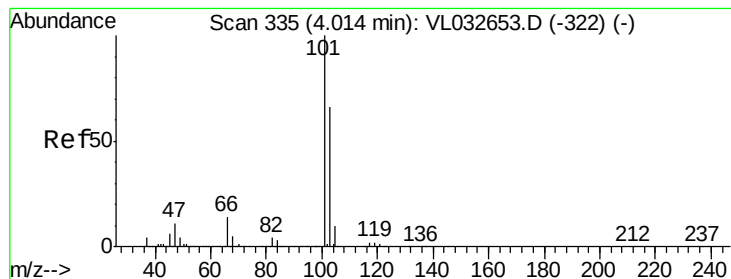
57 50.5 41.5 62.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.223 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

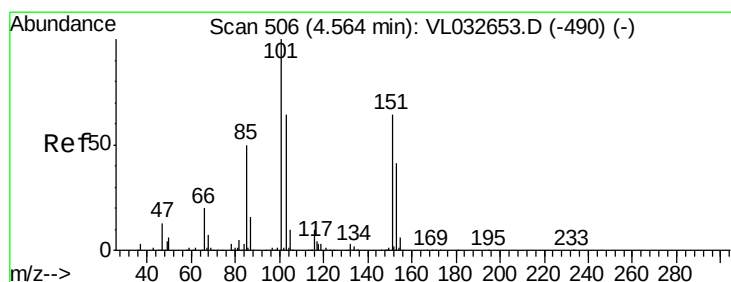
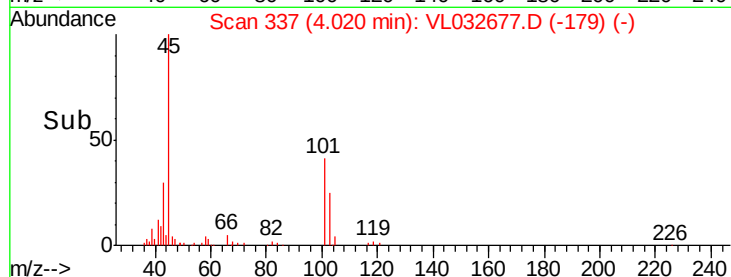
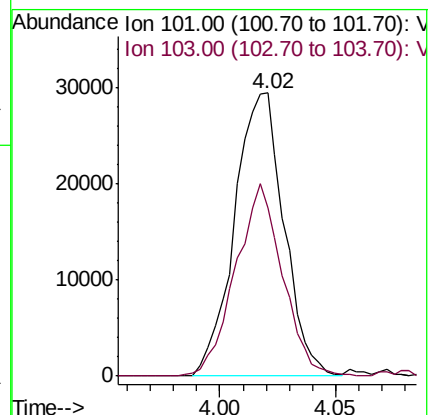
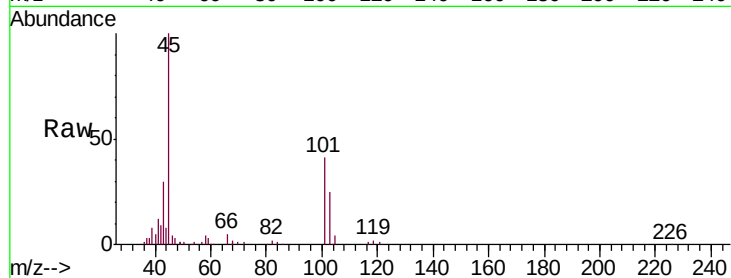
A-5

Tgt Ion:101 Resp: 43571

Ion Ratio Lower Upper

101 100

103 58.8 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.56 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL032677.D

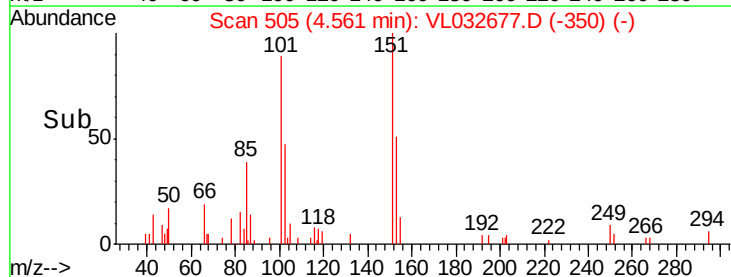
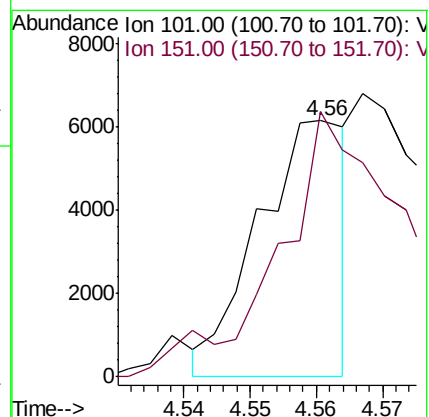
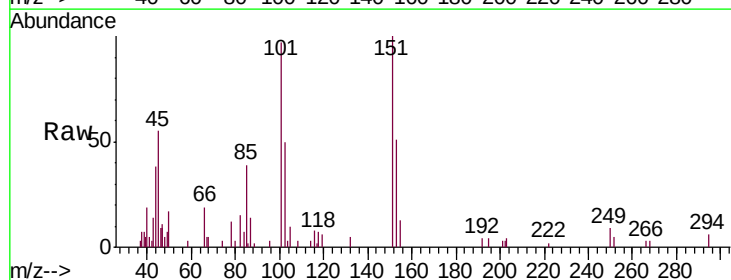
Acq: 19 Oct 2018 10:20

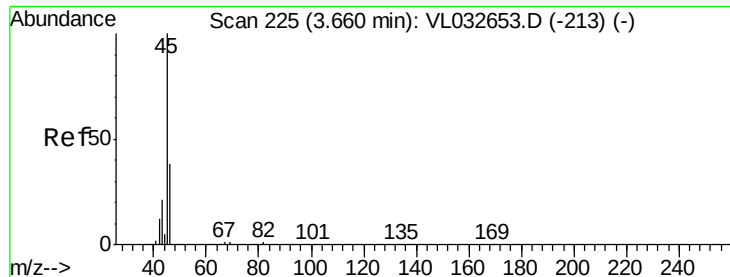
Tgt Ion:101 Resp: 5660

Ion Ratio Lower Upper

101 100

151 161.3 52.3 78.5#





#13

Ethanol

Concen: 121.694 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

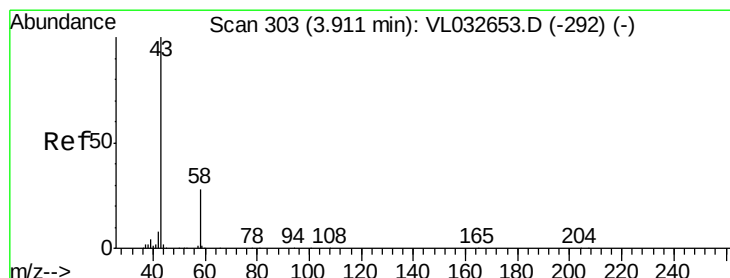
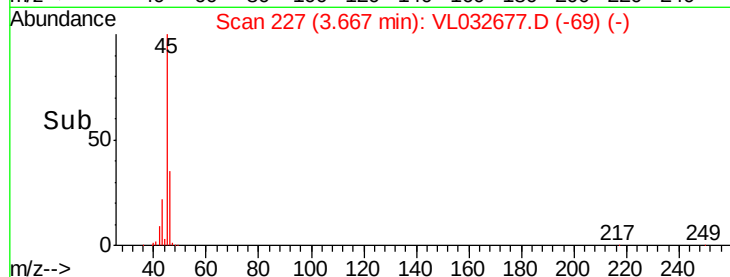
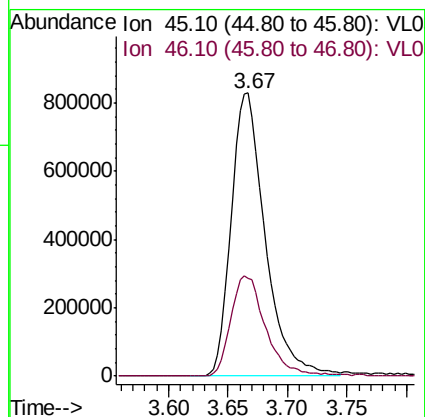
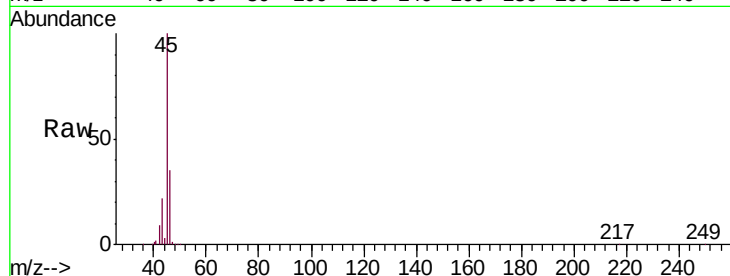
A-5

Tgt Ion: 45 Resp: 1645608

Ion Ratio Lower Upper

45 100

46 36.9 15.4 61.8



#15

Acetone

Concen: 8.217 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032677.D

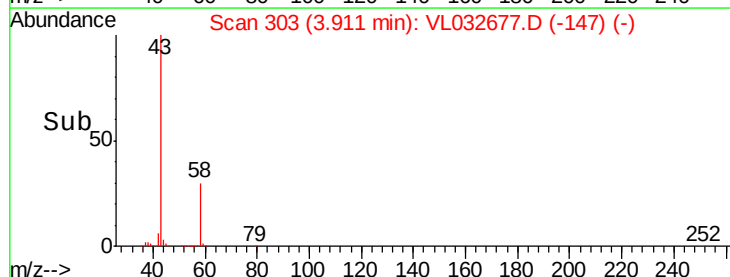
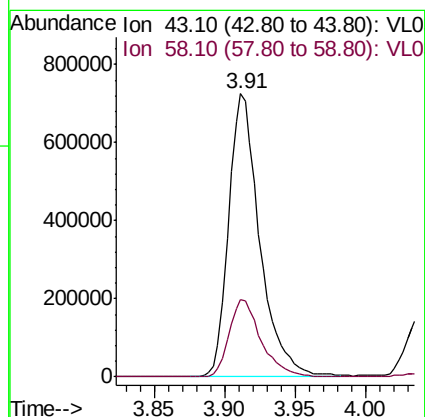
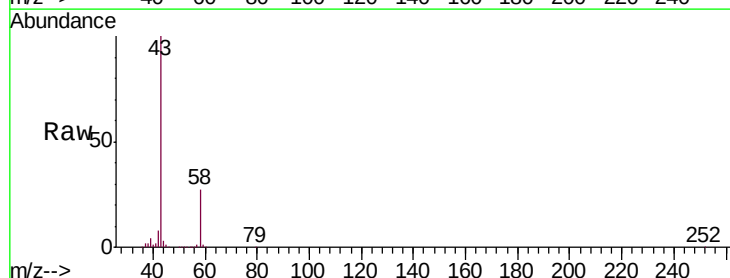
Acq: 19 Oct 2018 10:20

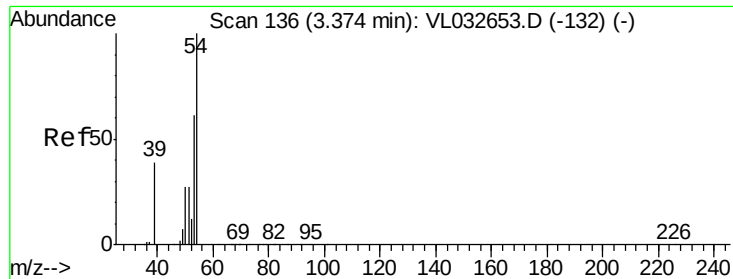
Tgt Ion: 43 Resp: 1115429

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1

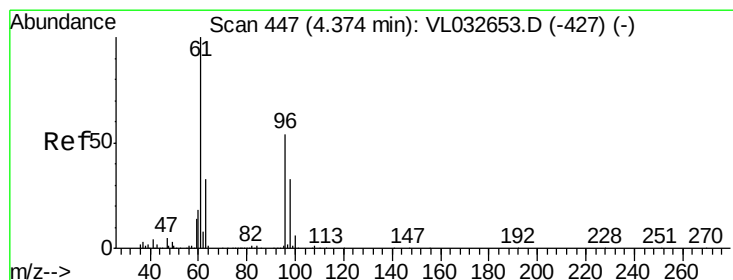
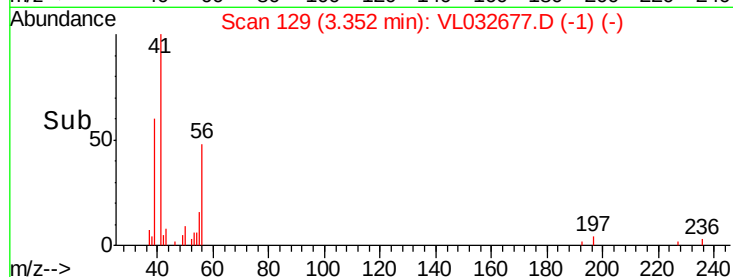
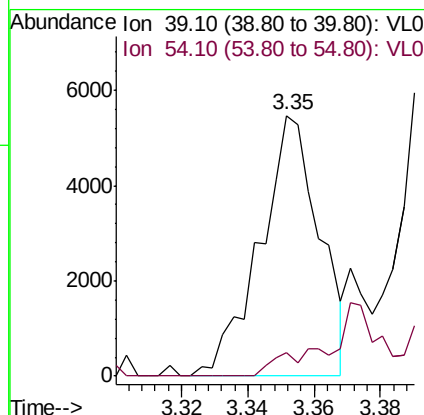
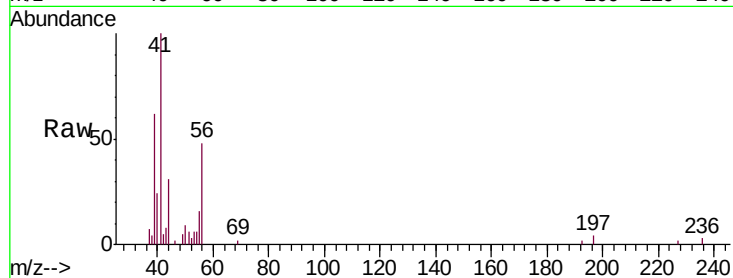




#16
 1,3-Butadiene
 Concen: 0.136 ppbv
 RT: 3.35 min Scan# 129
 Delta R.T. -0.02 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

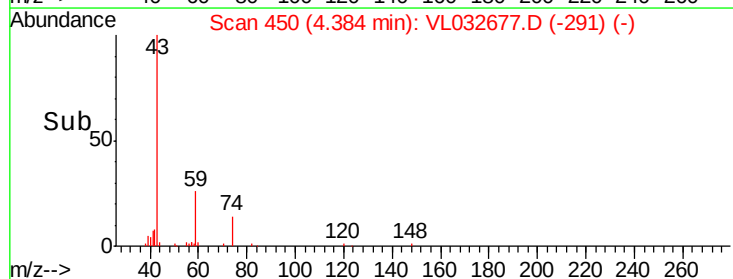
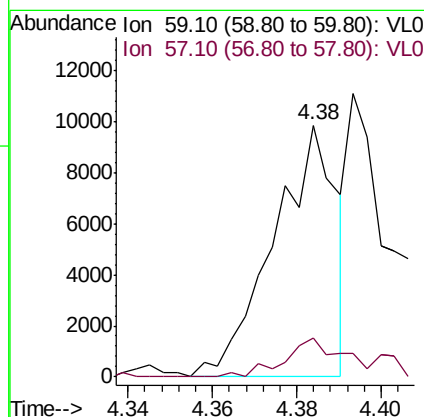
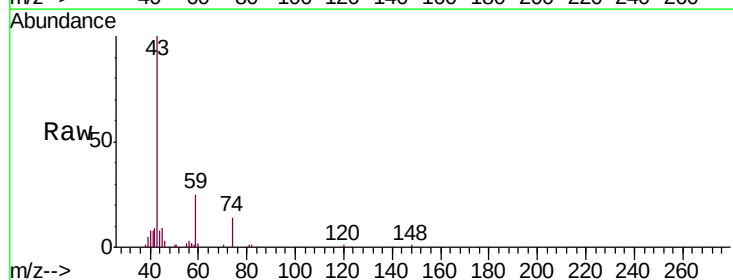
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 A-5

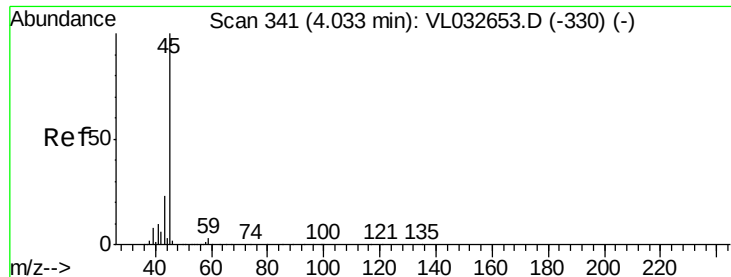
Tgt Ion: 39 Resp: 6801
 Ion Ratio Lower Upper
 39 100
 54 39.8 90.4 135.6#



#17
 tert-Butyl alcohol
 Concen: 0.255 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 59 Resp: 10185
 Ion Ratio Lower Upper
 59 100
 57 21.9 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 14.709 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.01 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

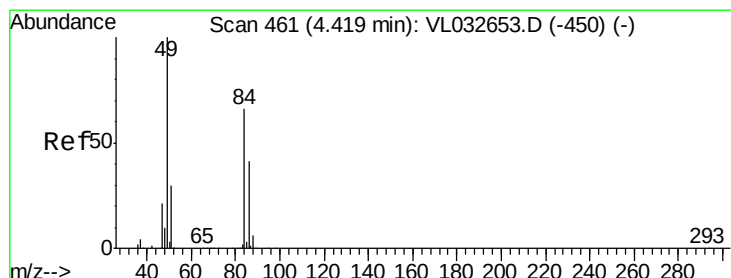
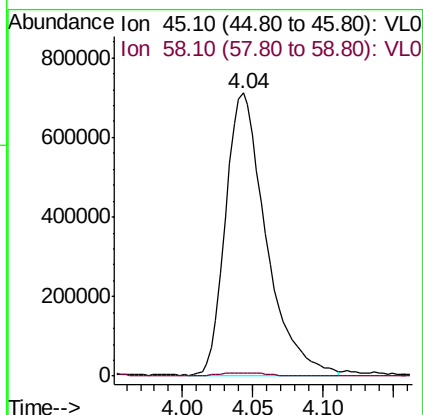
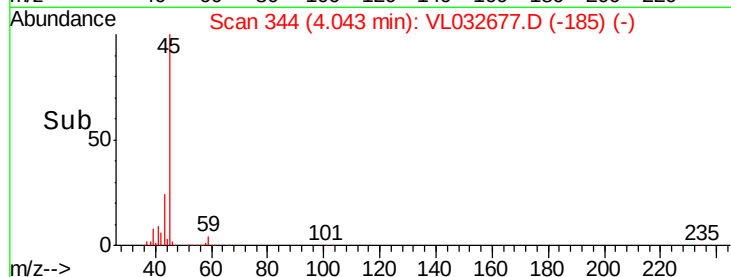
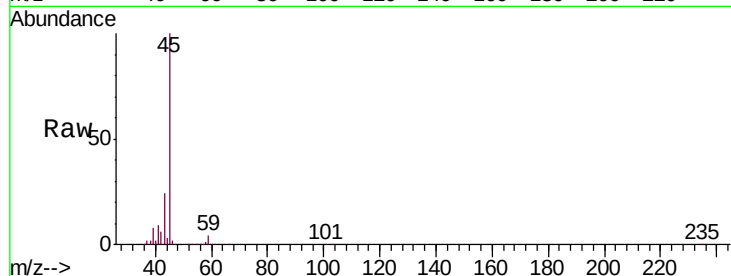
A-5

Tgt Ion: 45 Resp: 1421957

Ion Ratio Lower Upper

45 100

58 1.6 2.0 3.0#



#20

Methylene Chloride

Concen: 1.387 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Tgt Ion: 84 Resp: 95554

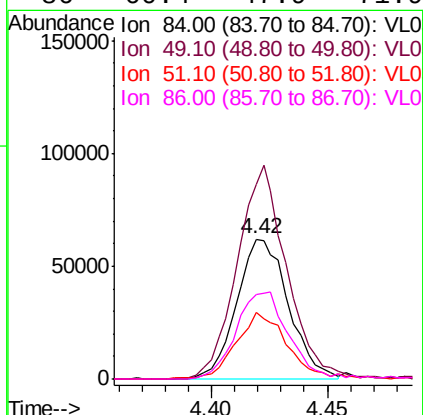
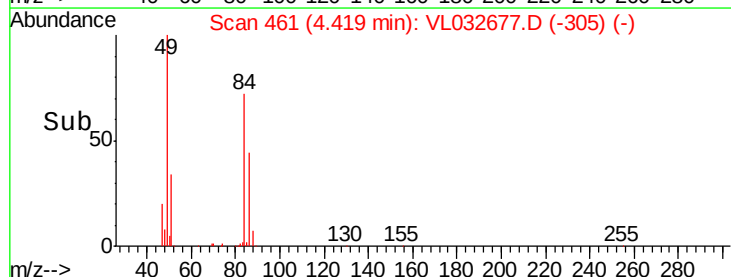
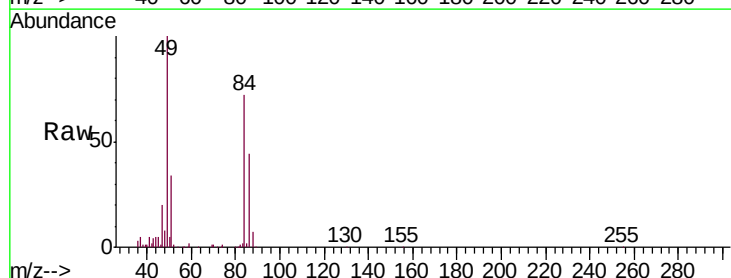
Ion Ratio Lower Upper

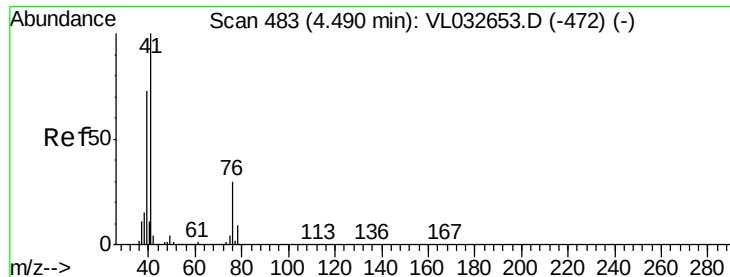
84 100

49 138.1 113.5 170.3

51 46.8 34.8 52.2

86 60.4 47.9 71.9

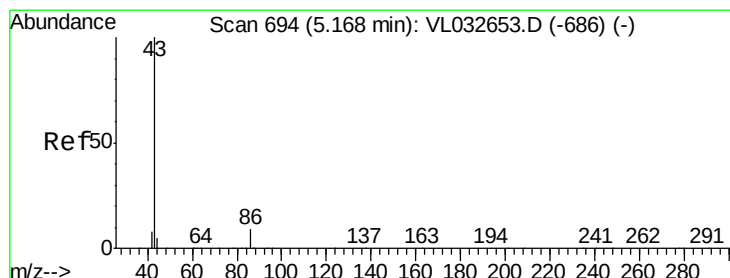
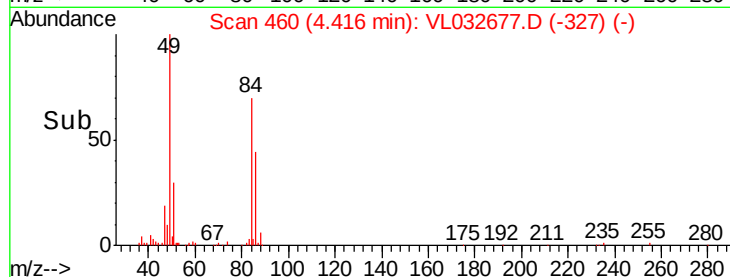
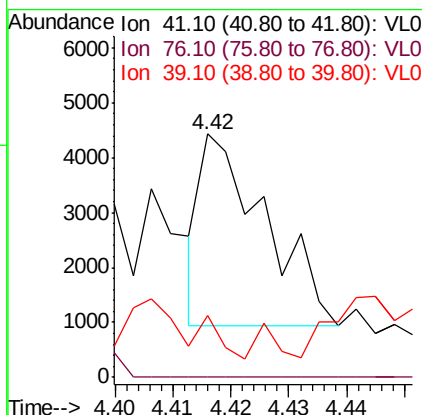
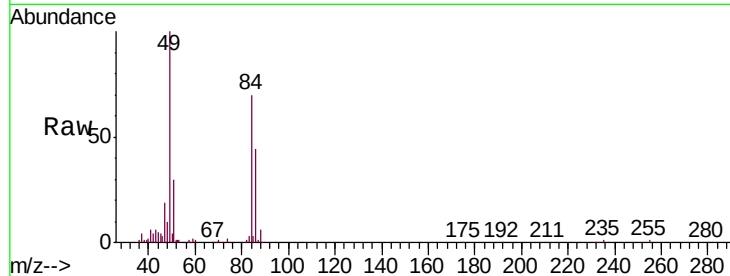




#21
 Allyl Chloride
 Concen: 0.024 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. -0.07 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

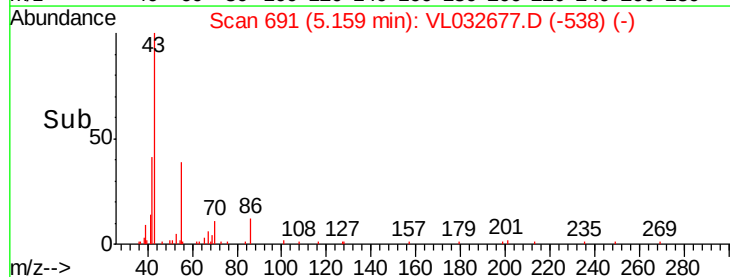
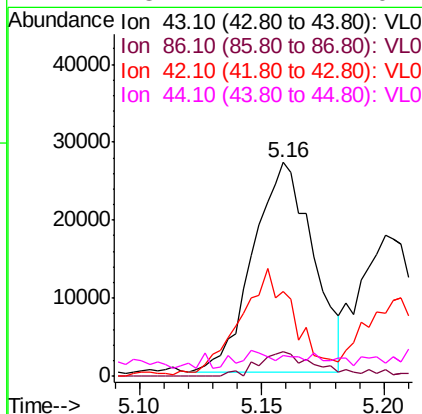
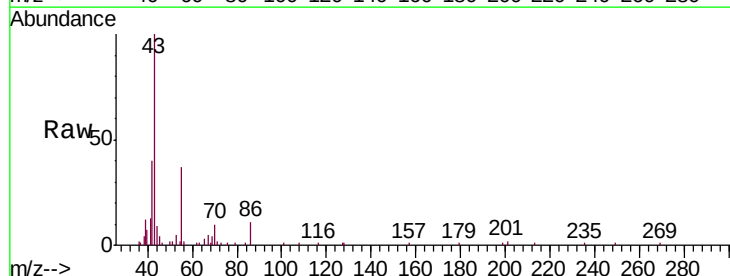
Instrument :
 MSVOA_L
 ClientSampled :
 A-5

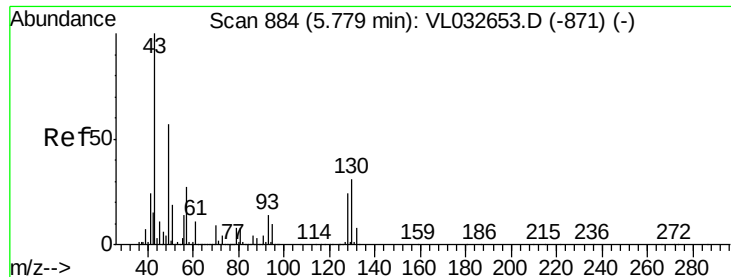
Tgt Ion: 41 Resp: 2709
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.3 36.5#
 39 0.0 60.3 90.5#



#23
 Vinyl Acetate
 Concen: 0.191 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 45968
 Ion Ratio Lower Upper
 43 100
 86 11.4 6.1 9.1#
 42 38.8 7.4 11.2#
 44 3.7 4.2 6.2#

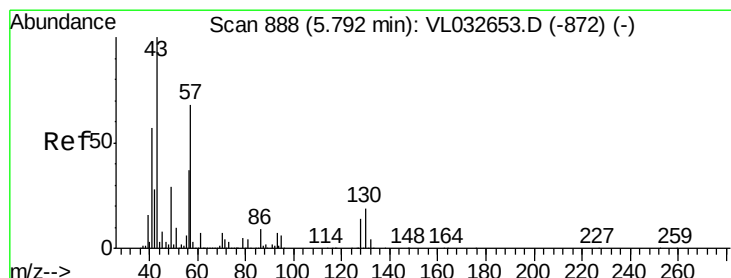
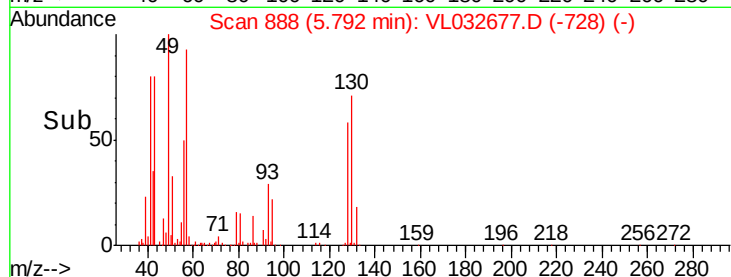
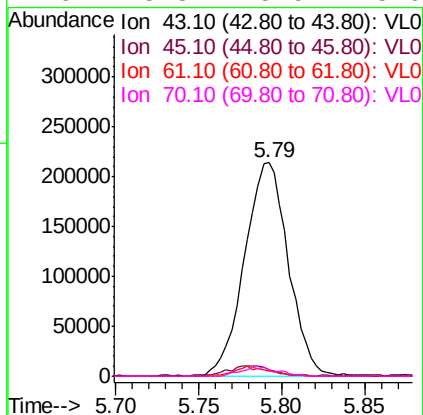
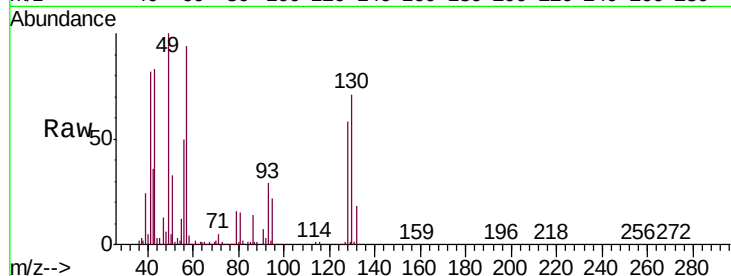




#25
Ethyl Acetate
Concen: 1.255 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.01 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

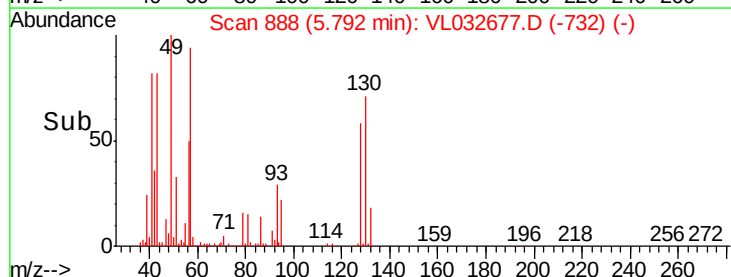
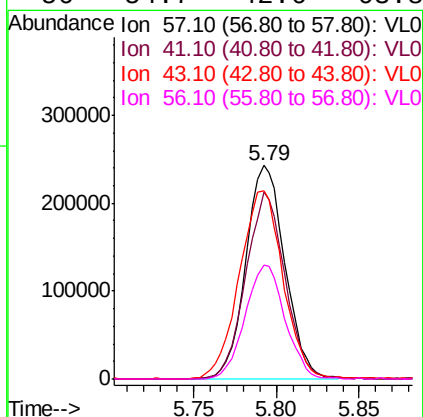
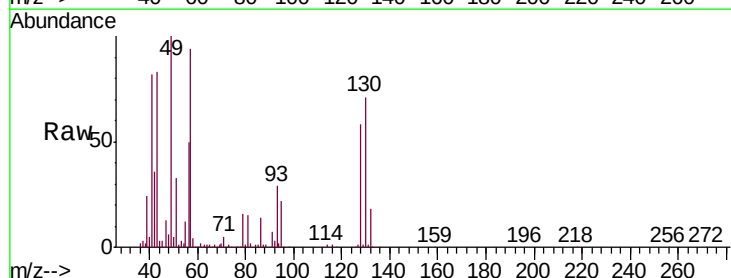
Instrument :
MSVOA_L
ClientSampleId :
A-5

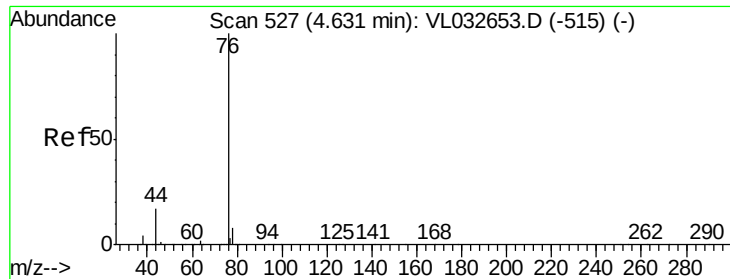
Tgt Ion:	43	Resp:	392076
Ion	Ratio	Lower	Upper
43	100		
45	5.3	8.0	12.0#
61	3.8	8.0	12.0#
70	3.8	5.9	8.9#



#26
Hexane
Concen: 2.694 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion:	57	Resp:	398232
Ion	Ratio	Lower	Upper
57	100		
41	88.4	67.4	101.0
43	99.1	171.9	257.9#
56	54.7	42.6	63.8





#27

Carbon Disulfide

Concen: 0.026 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

A-5

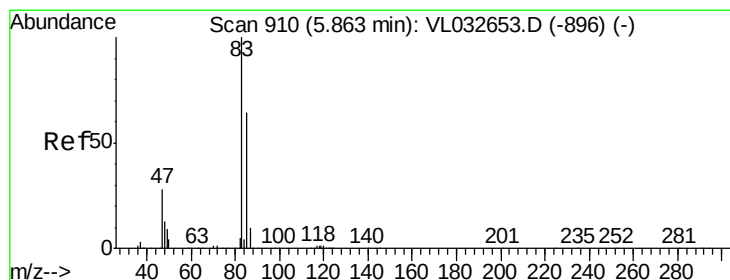
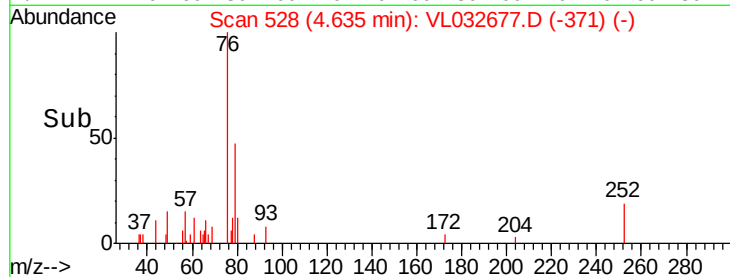
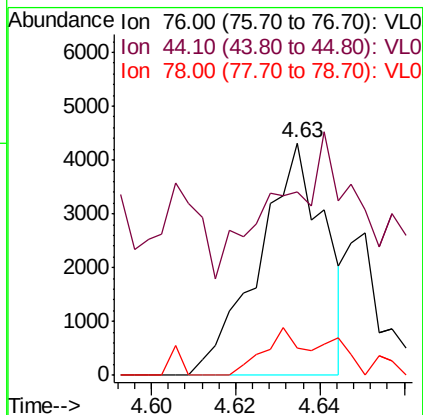
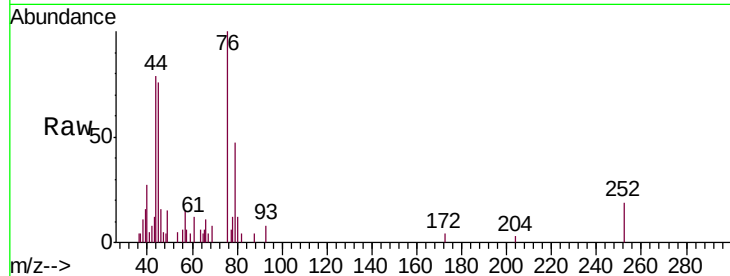
Tgt Ion: 76 Resp: 4632

Ion Ratio Lower Upper

76 100

44 0.0 13.7 20.5#

78 22.6 7.4 11.2#



#29

Chloroform

Concen: 0.036 ppbv

RT: 5.86 min Scan# 910

Delta R.T. 0.00 min

Lab File: VL032677.D

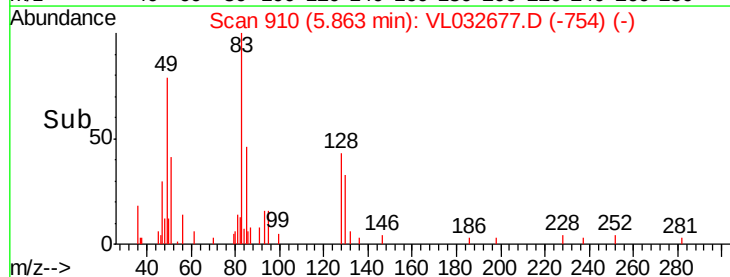
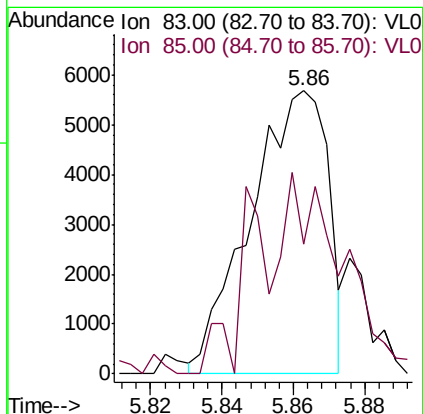
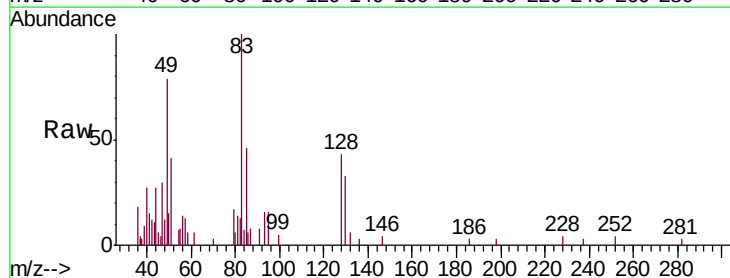
Acq: 19 Oct 2018 10:20

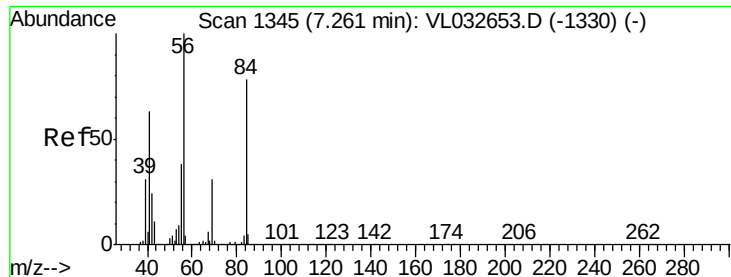
Tgt Ion: 83 Resp: 8586

Ion Ratio Lower Upper

83 100

85 54.5 53.0 79.6

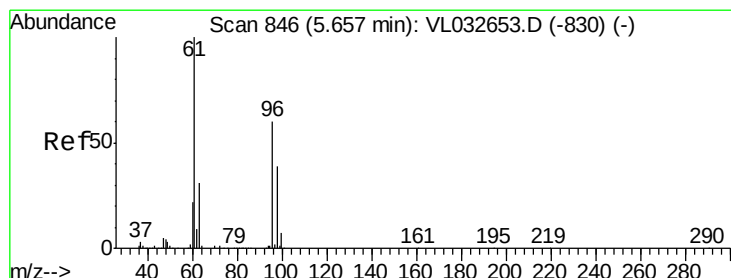
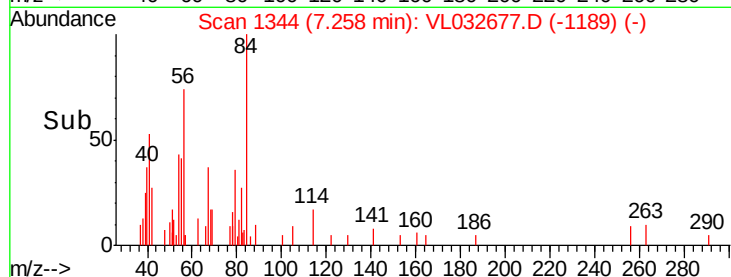
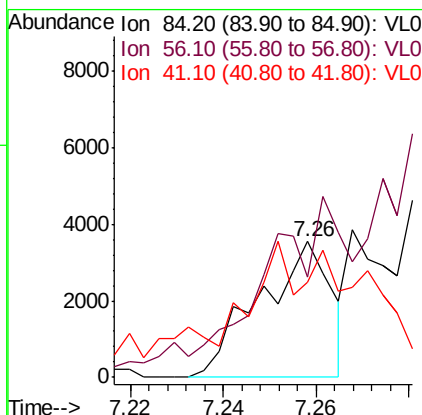
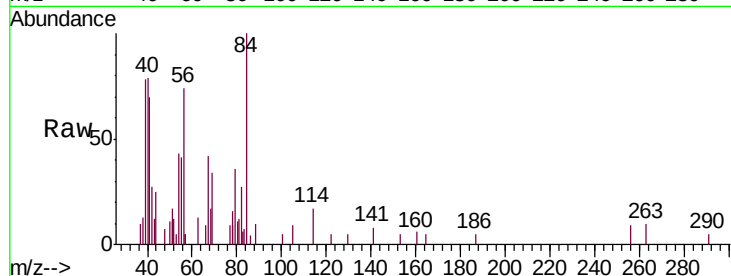




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

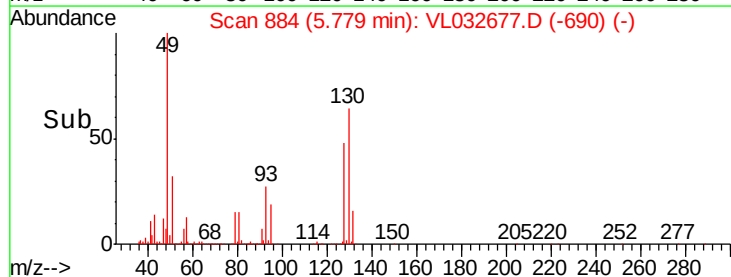
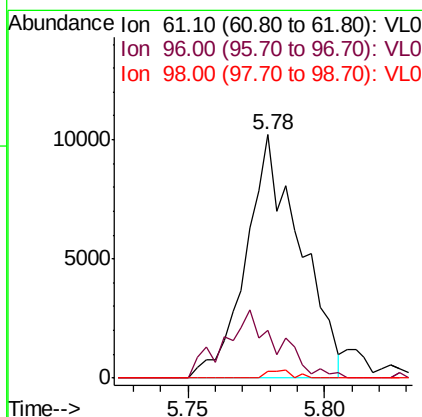
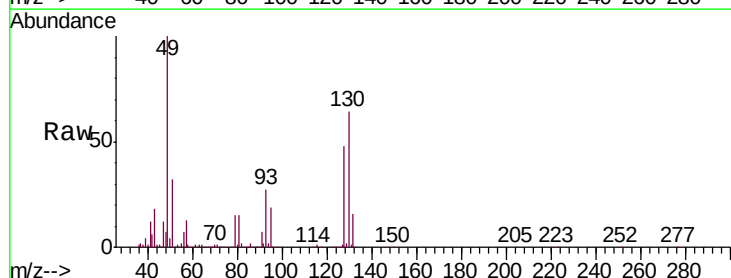
Instrument :
MSVOA_L
ClientSampled :
A-5

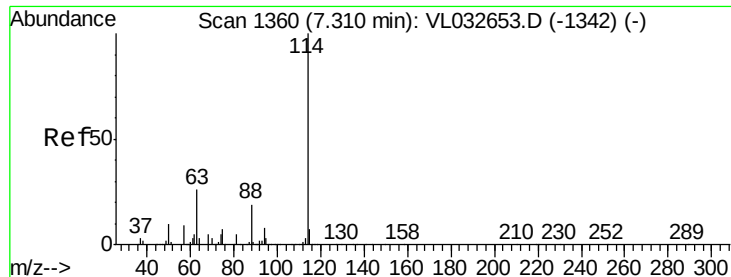
Tgt Ion: 84 Resp: 3814
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 142.8 64.8 97.2#



#31
cis-1,2-Dichloroethene
Concen: 0.102 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.12 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 61 Resp: 13966
Ion Ratio Lower Upper
61 100
96 19.7 51.8 77.6#
98 2.7 33.8 50.6#

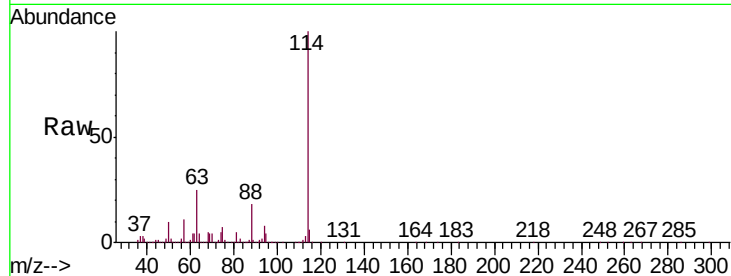




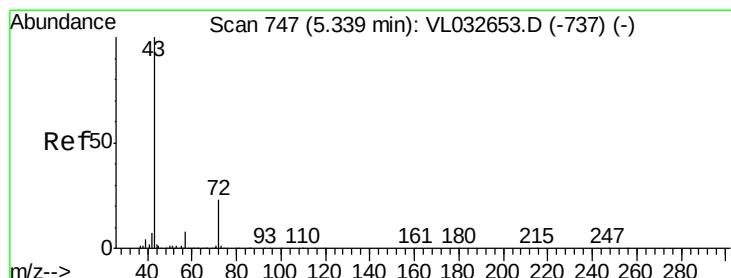
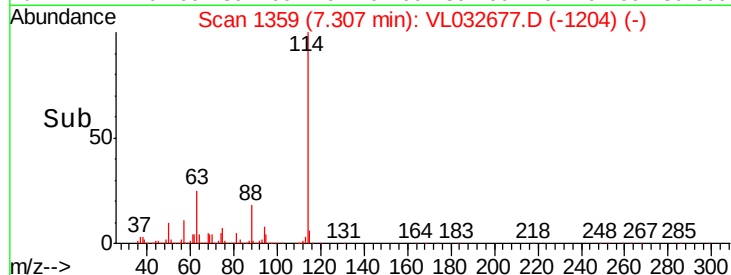
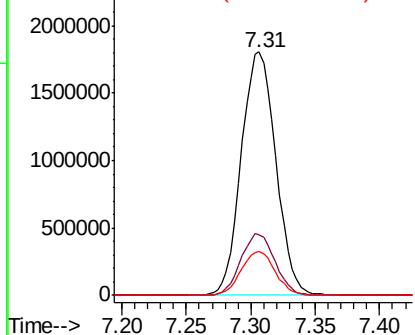
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 A-5

Tgt Ion:114 Resp: 3380046
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 17.7 14.9 22.3

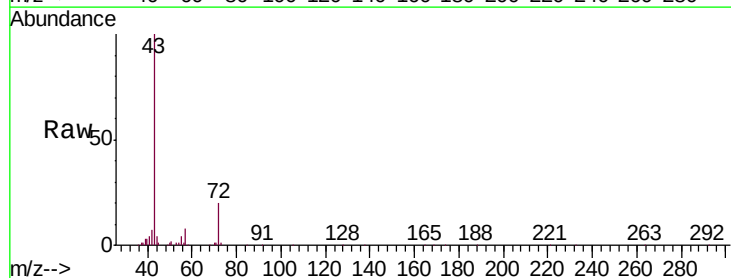


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

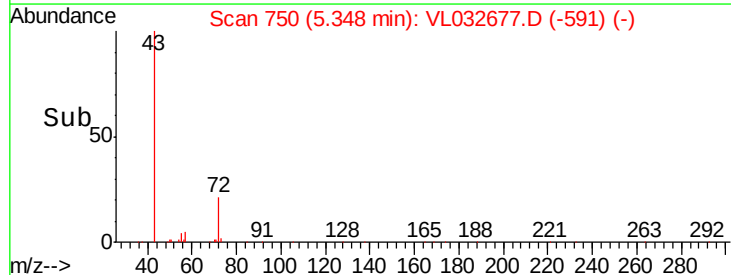
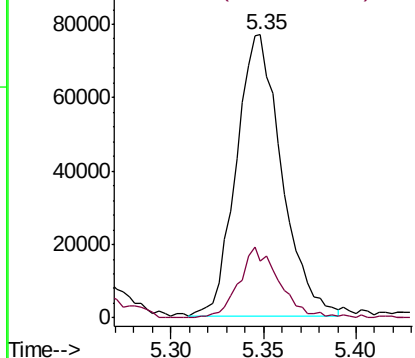


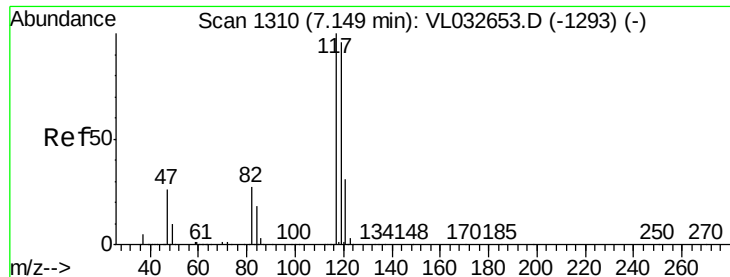
#34
 2-Butanone
 Concen: 0.724 ppbv
 RT: 5.35 min Scan# 750
 Delta R.T. 0.01 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 131101
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.6 27.8



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





#35

Carbon Tetrachloride

Concen: 0.078 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampled :

A-5

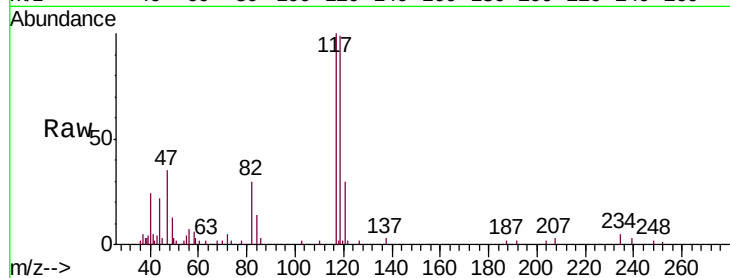
Tgt Ion:117 Resp: 18703

Ion Ratio Lower Upper

117 100

119 100.0 75.7 113.5

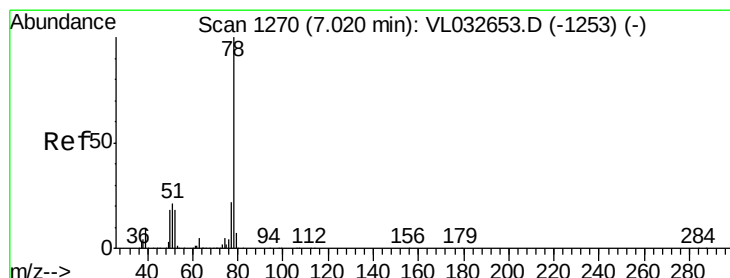
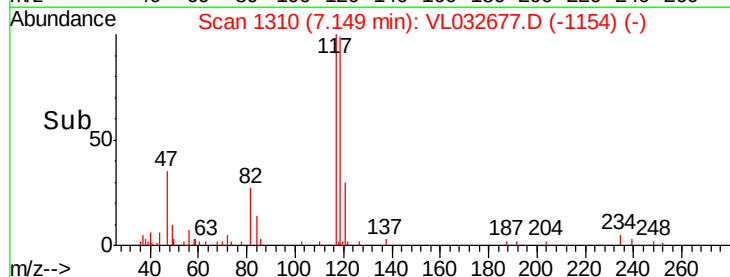
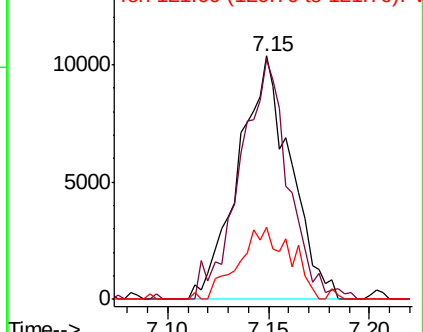
121 31.9 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.161 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

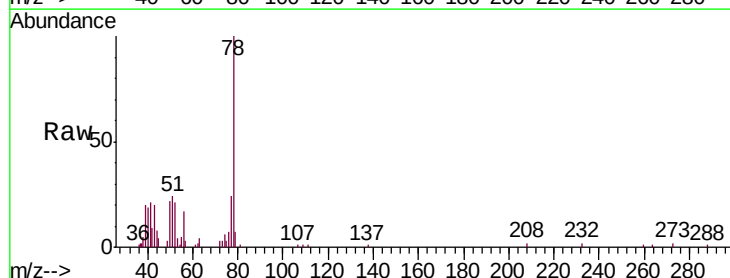
Tgt Ion: 78 Resp: 44213

Ion Ratio Lower Upper

78 100

77 23.9 18.1 27.1

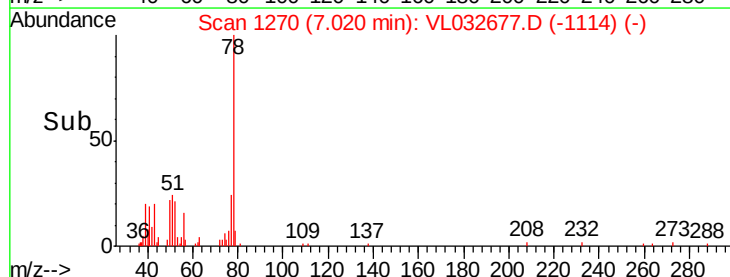
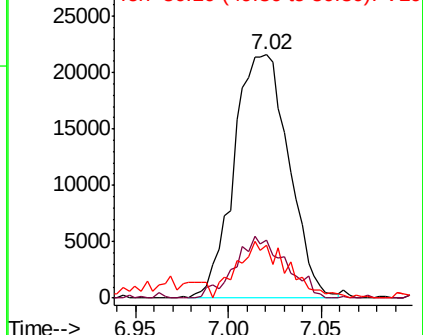
50 20.2 15.1 22.7

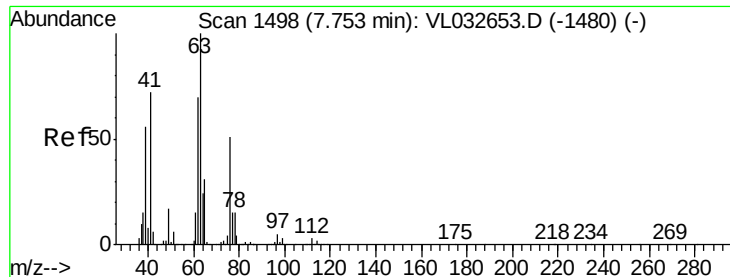


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.953 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

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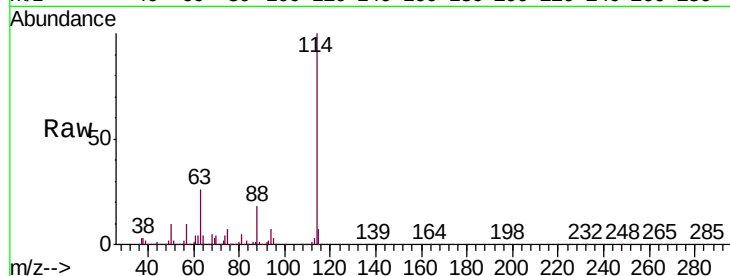
Tgt Ion: 63 Resp: 842948

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

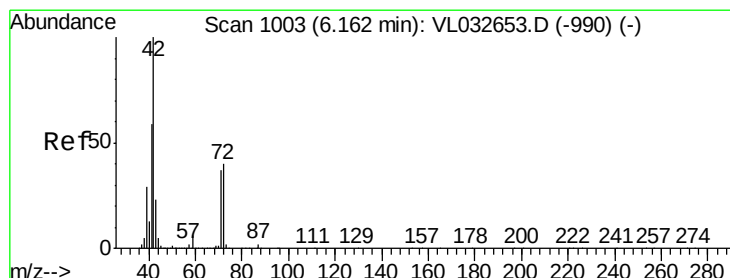
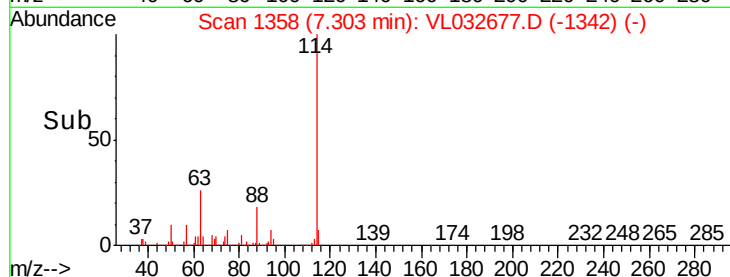
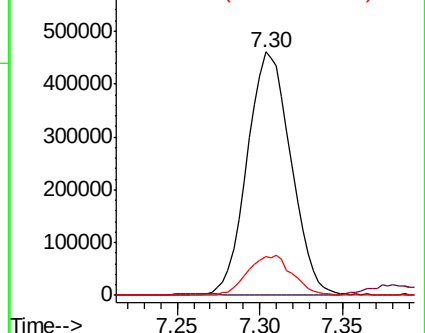
62 16.0 54.4 81.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.041 ppbv

RT: 6.16 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

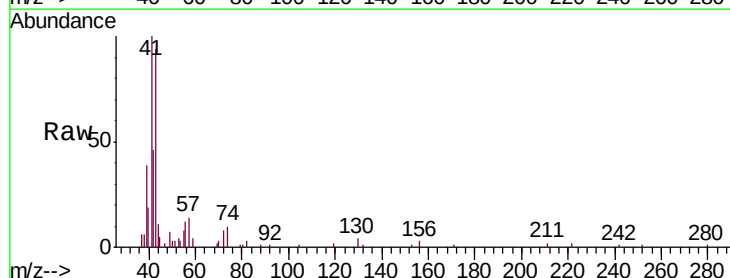
Tgt Ion: 42 Resp: 4154

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

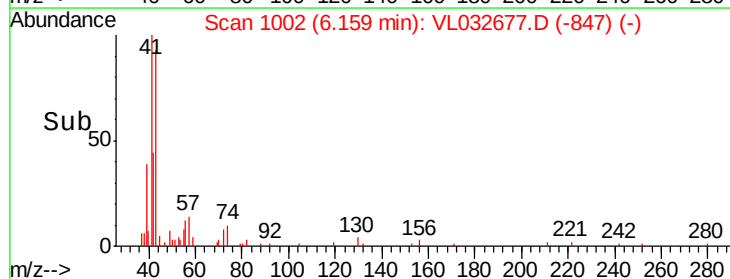
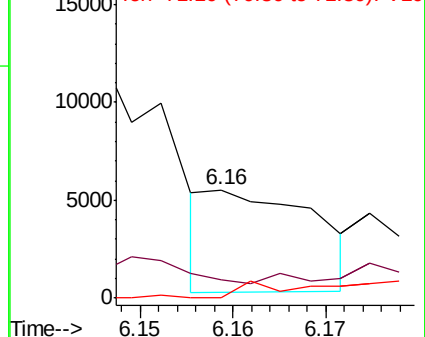
71 0.0 31.3 46.9#

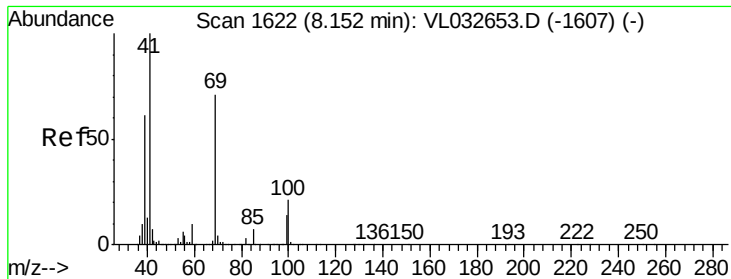


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

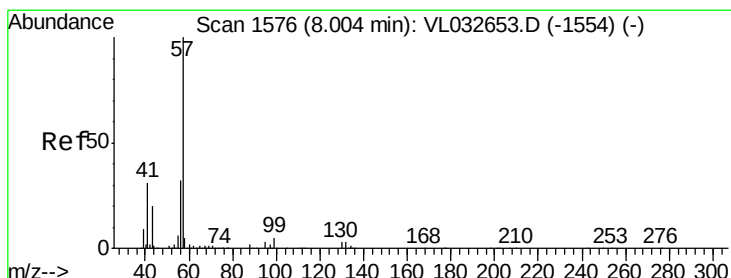
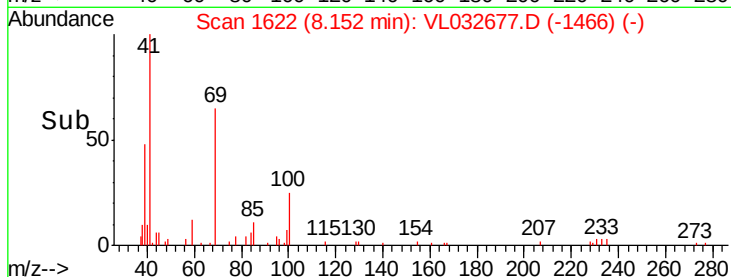
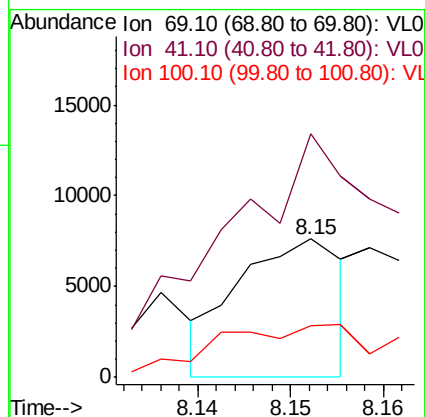
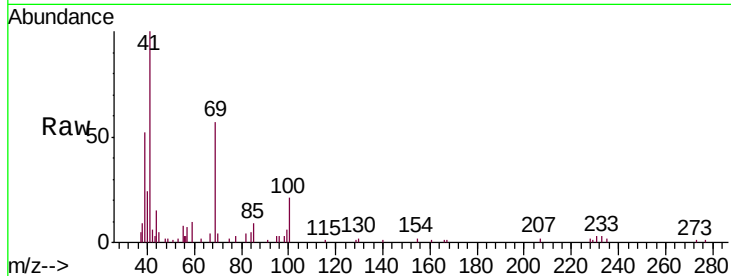




#43
Methyl Methacrylate
Concen: 0.059 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

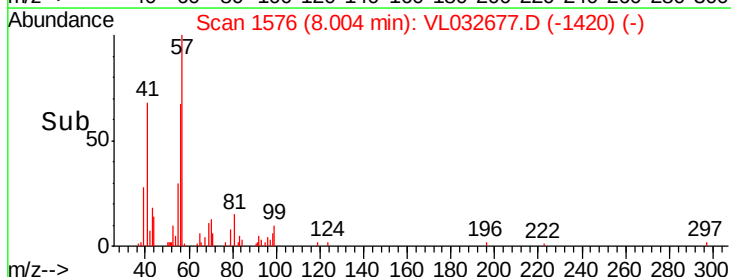
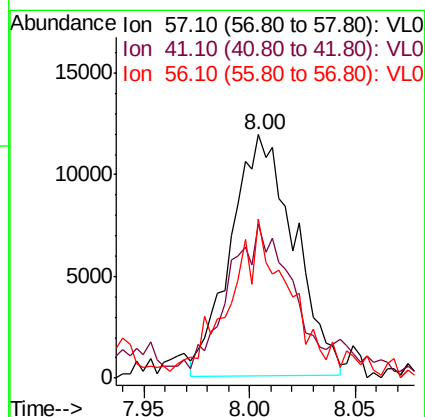
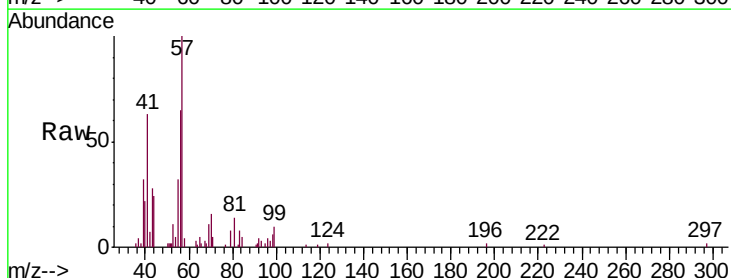
Instrument :
MSVOA_L
ClientSampled :
A-5

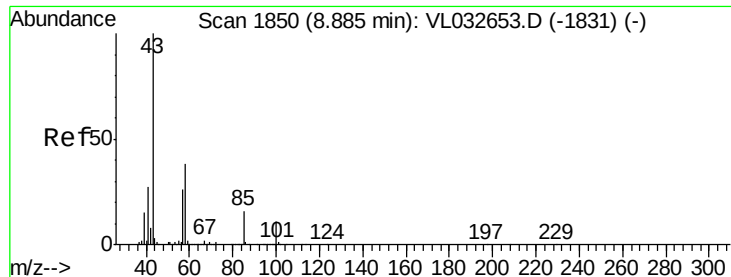
Tgt Ion: 69 Resp: 5980
Ion Ratio Lower Upper
69 100
41 416.8 113.2 169.8#
100 85.5 24.4 36.6#



#44
2,2,4-Trimethylpentane
Concen: 0.053 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 57 Resp: 24960
Ion Ratio Lower Upper
57 100
41 70.4 24.7 37.1#
56 67.3 25.0 37.4#

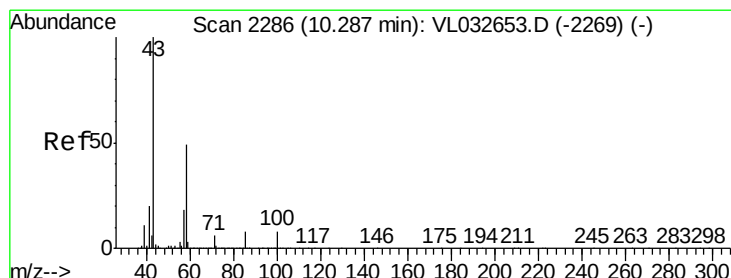
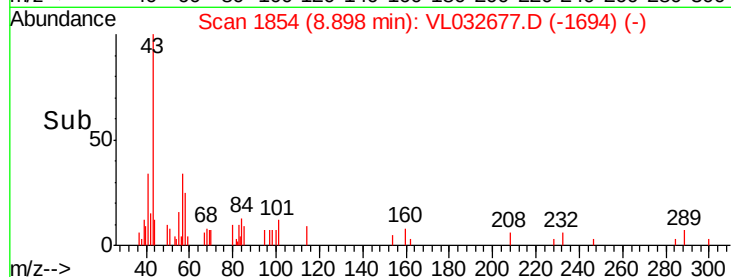
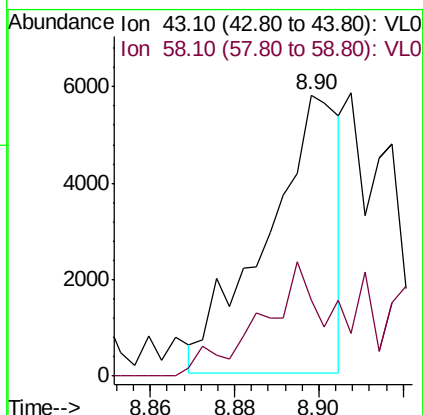
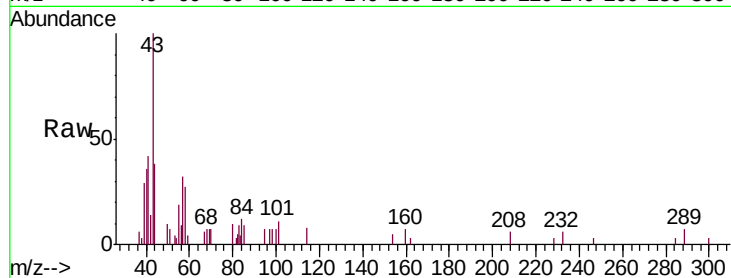




#50
 4-Methyl-2-Pentanone
 Concen: 0.026 ppbv
 RT: 8.90 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

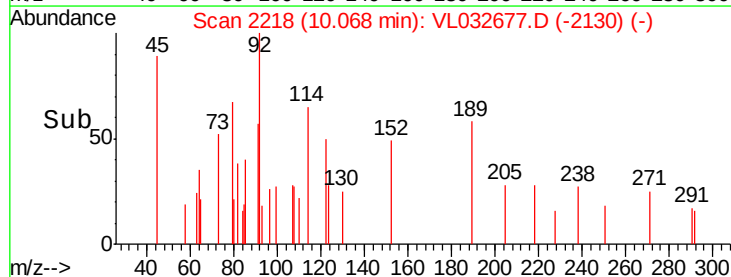
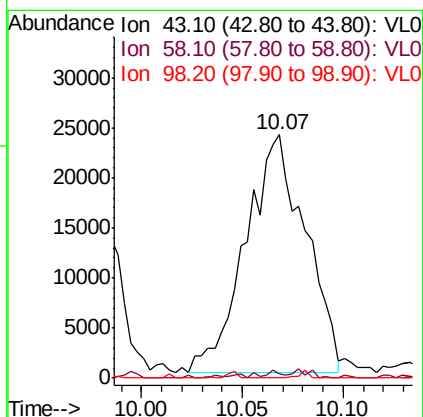
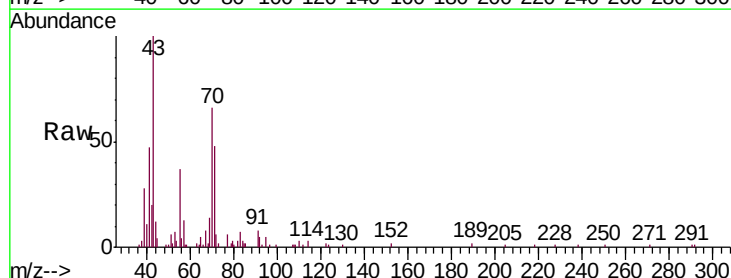
Instrument :
 MSVOA_L
 ClientSampleId :
 A-5

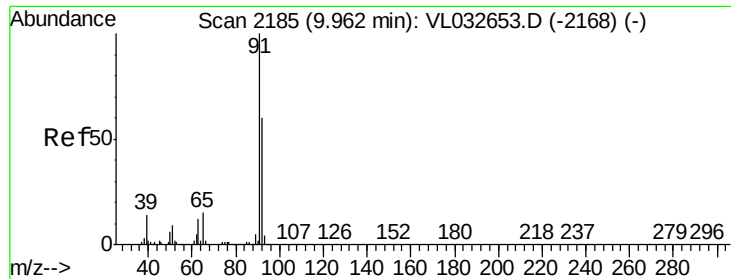
Tgt Ion: 43 Resp: 6925
 Ion Ratio Lower Upper
 43 100
 58 62.4 29.7 44.5#



#51
 2-Hexanone
 Concen: 0.245 ppbv
 RT: 10.07 min Scan# 2218
 Delta R.T. -0.22 min
 Lab File: VL032677.D
 Acq: 19 Oct 2018 10:20

Tgt Ion: 43 Resp: 48962
 Ion Ratio Lower Upper
 43 100
 58 2.8 40.4 60.6#
 98 0.5 0.4 0.6





#53

Toluene

Concen: 6.691 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampleId :

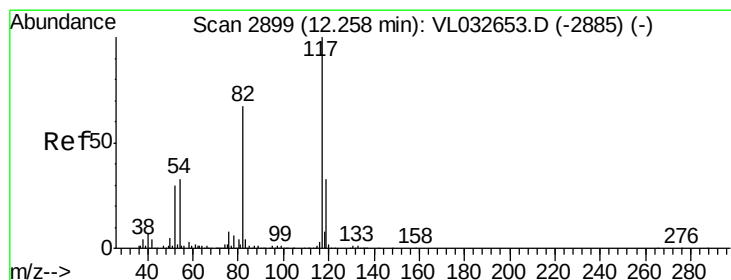
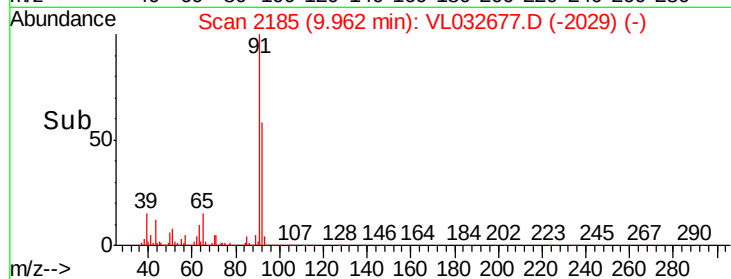
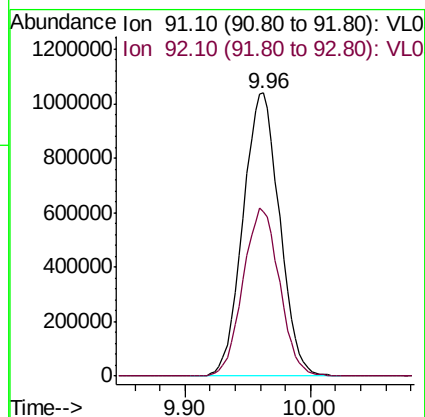
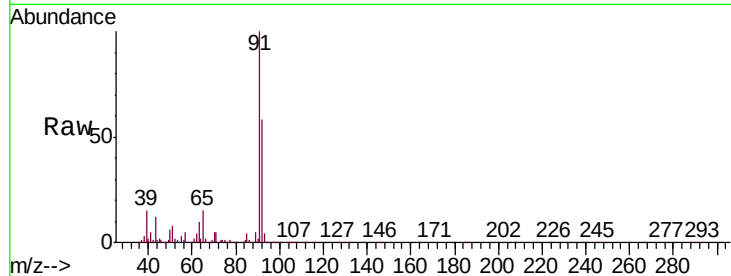
A-5

Tgt Ion: 91 Resp: 2105201

Ion Ratio Lower Upper

91 100

92 59.3 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

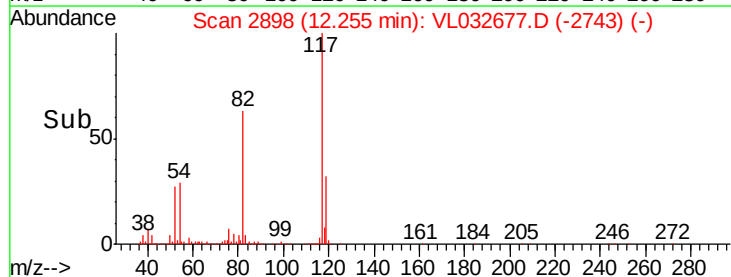
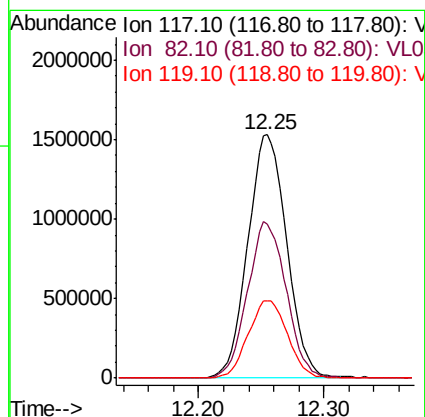
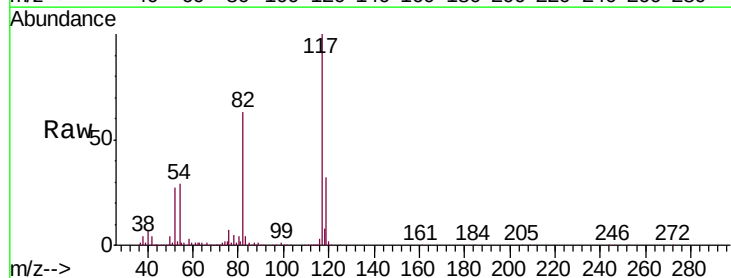
Tgt Ion: 117 Resp: 3304175

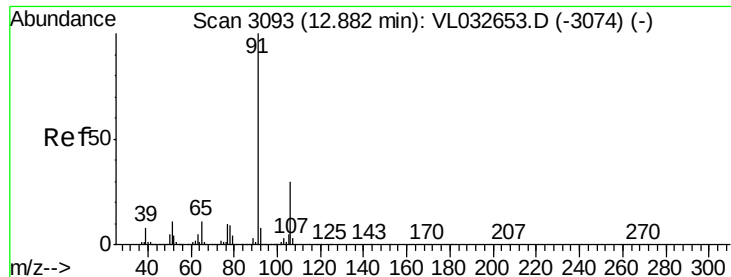
Ion Ratio Lower Upper

117 100

82 64.3 52.7 79.1

119 32.4 26.7 40.1





#58

Ethyl Benzene

Concen: 0.030 ppbv

RT: 12.88 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampled :

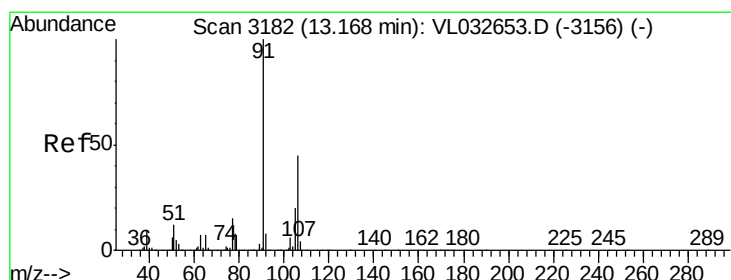
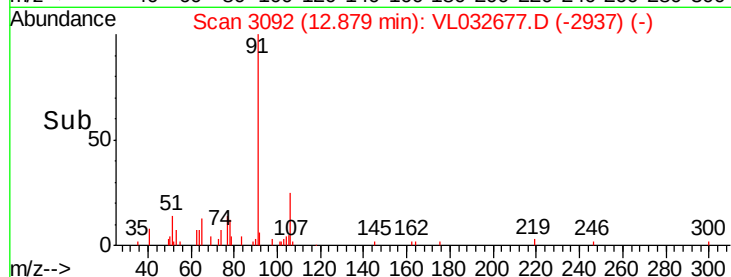
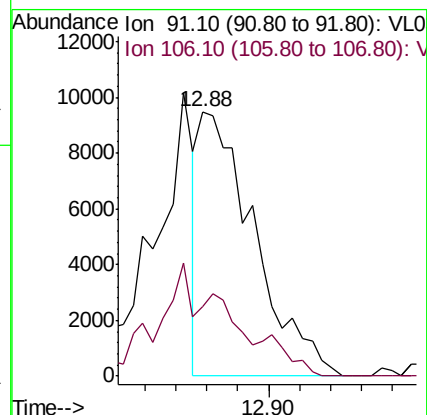
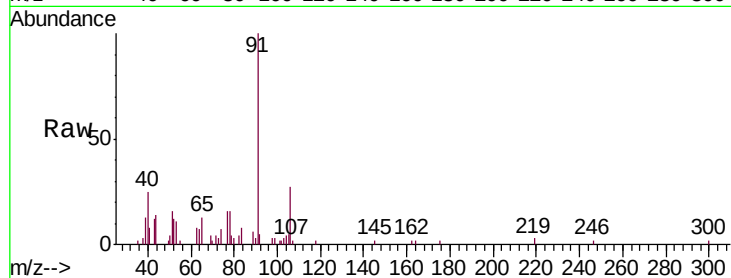
A-5

Tgt Ion: 91 Resp: 11694

Ion Ratio Lower Upper

91 100

106 25.2 24.2 36.2



#59

m/p-Xylene

Concen: 0.033 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL032677.D

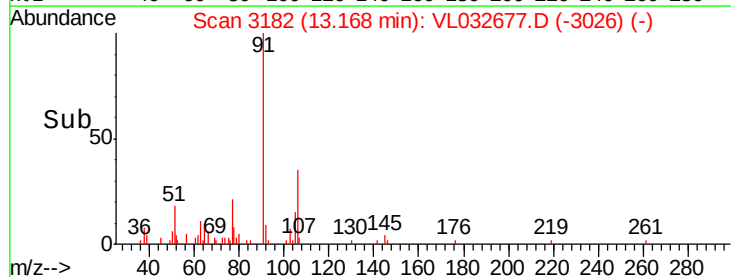
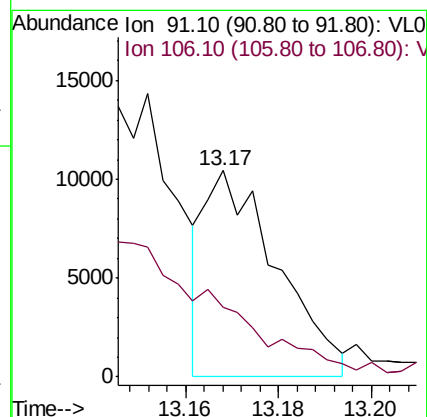
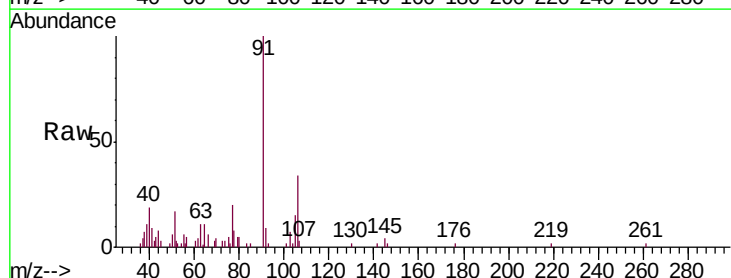
Acq: 19 Oct 2018 10:20

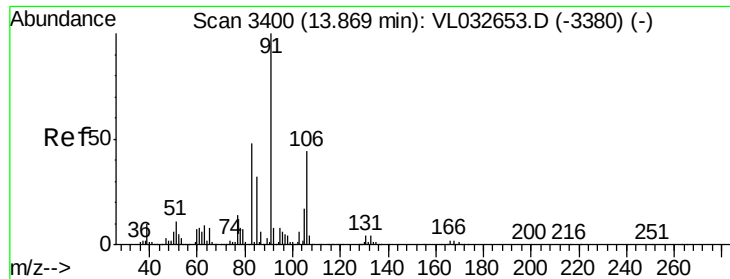
Tgt Ion: 91 Resp: 11234

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#

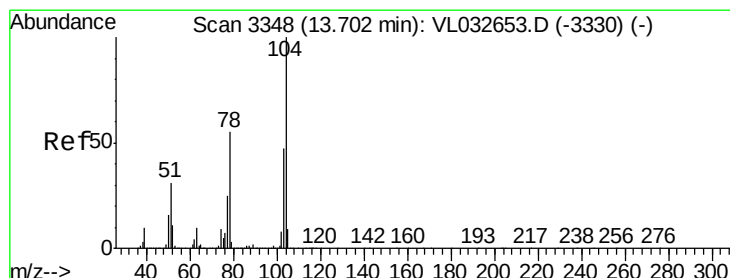
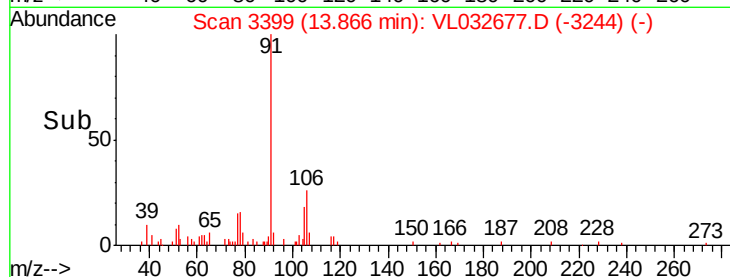
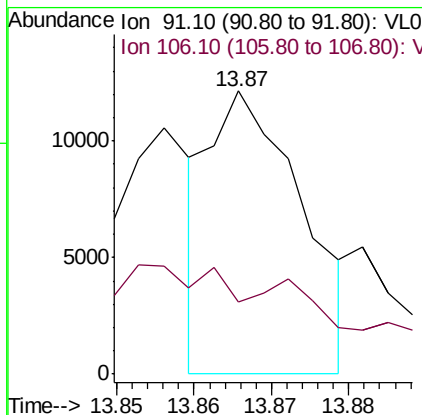
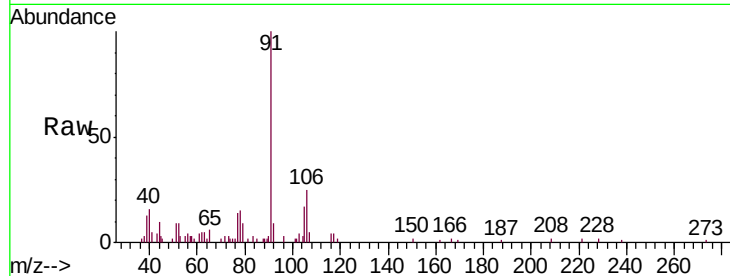




#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

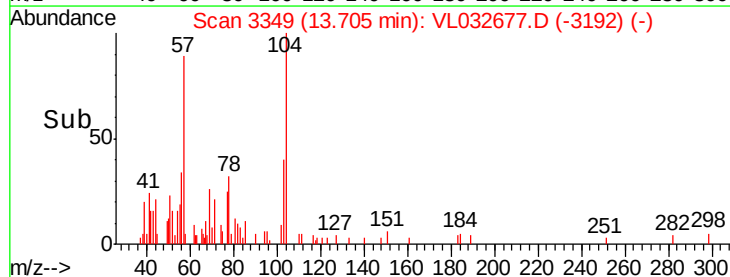
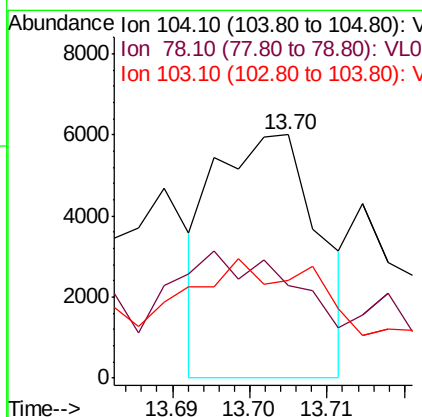
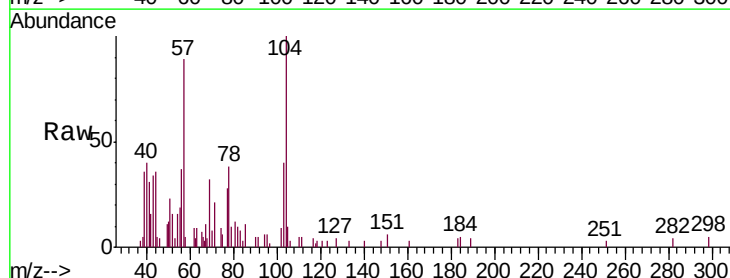
Instrument :
MSVOA_L
ClientSampleId :
A-5

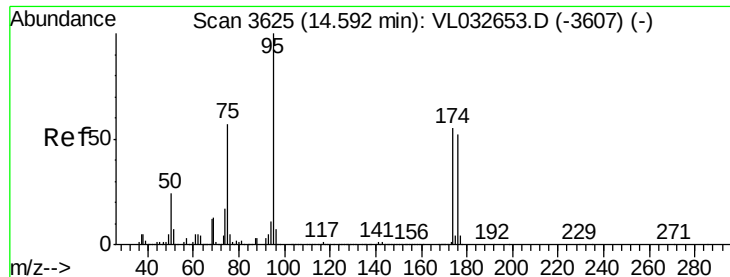
Tgt Ion: 91 Resp: 10067
Ion Ratio Lower Upper
91 100
106 0.0 22.1 66.1#



#61
Styrene
Concen: 0.026 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL032677.D
Acq: 19 Oct 2018 10:20

Tgt Ion: 104 Resp: 5665
Ion Ratio Lower Upper
104 100
78 121.4 42.8 64.2#
103 108.4 37.4 56.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.995 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Instrument :

MSVOA_L

ClientSampled :

A-5

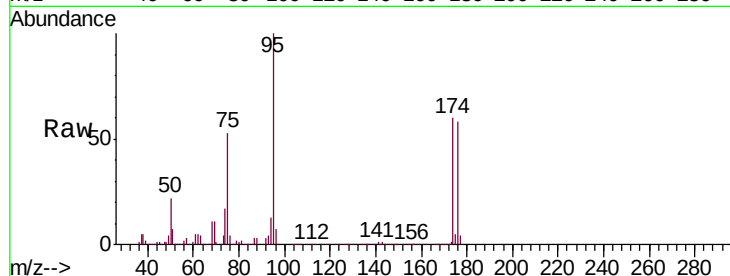
Tgt Ion: 95 Resp: 2458915

Ion Ratio Lower Upper

95 100

174 63.7 46.0 69.0

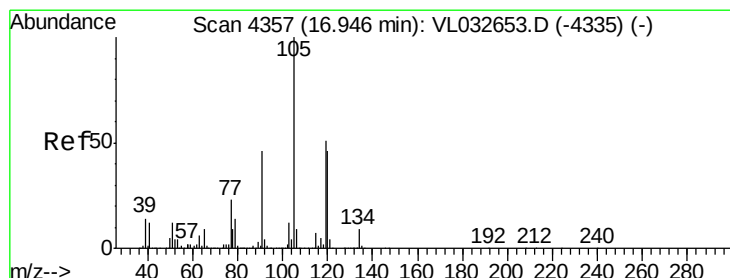
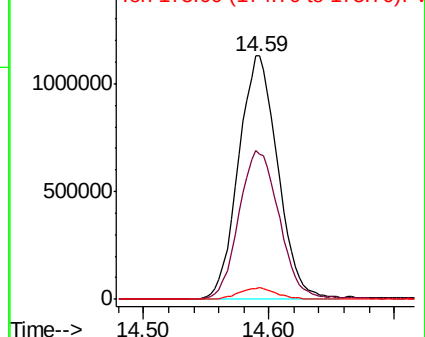
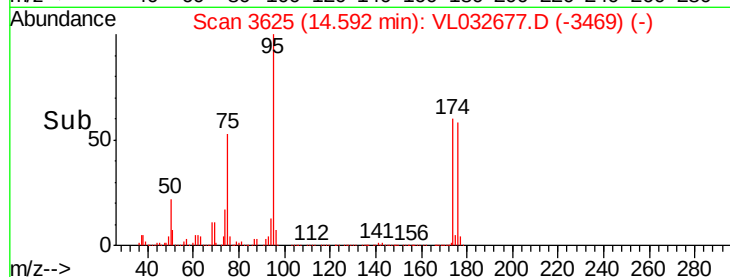
175 4.6 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL032677.D (-3469) (-)

Ion 174.00 (173.70 to 174.70): VL032677.D (-3469) (-)

Ion 175.00 (174.70 to 175.70): VL032677.D (-3469) (-)



#74

1,2,4-Trimethylbenzene

Concen: 0.101 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL032677.D

Acq: 19 Oct 2018 10:20

Tgt Ion: 105 Resp: 36963

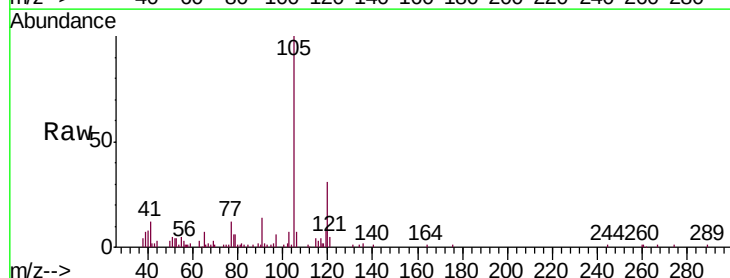
Ion Ratio Lower Upper

105 100

120 30.3 35.8 53.8#

91 13.8 33.2 49.8#

77 11.5 16.2 24.4#



Abundance Ion 105.10 (104.80 to 105.80): VL032677.D (-4201) (-)

Ion 120.20 (119.90 to 120.90): VL032677.D (-4201) (-)

Ion 91.10 (90.80 to 91.80): VL032677.D (-4201) (-)

Ion 77.10 (76.80 to 77.80): VL032677.D (-4201) (-)

