

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
 Data File : VL032400.D
 Acq On : 17 Aug 2018 9:27
 Operator : SY/AP
 Sample : J4472-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Quant Time: Aug 17 23:20:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1748359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3426800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3369058	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2615172	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.12	85	70107	0.156	ppbv	89
3) Chlorodifluoromethane	3.05	51	211570	1.306	ppbv	96
4) Chloromethane	3.21	50	40942	0.425	ppbv	91
6) Bromomethane	3.56	94	3371	0.068	ppbv #	76
9) Propene	3.07	41	5556144	80.158	ppbv	98
11) Trichlorofluoromethane	4.05	101	245100	1.253	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	5311	0.040	ppbv #	23
13) Ethanol	3.69	45	238938	13.422	ppbv	97
15) Acetone	3.95	43	1003228	6.040	ppbv	97
16) 1,3-Butadiene	3.07	39	4511924	65.789	ppbv #	1
17) tert-Butyl alcohol	4.41	59	32144	1.153	ppbv #	89
19) Isopropyl Alcohol	4.06	45	1153251	10.310	ppbv #	98
20) Methylene Chloride	4.45	84	51244	0.817	ppbv	88
21) Allyl Chloride	4.41	41	15025	0.143	ppbv #	75
23) Vinyl Acetate	5.19	43	66579	0.232	ppbv #	56
25) Ethyl Acetate	5.83	43	162774	0.457	ppbv #	97
26) Hexane	5.83	57	96992	0.611	ppbv #	75
27) Carbon Disulfide	4.67	76	19354	0.131	ppbv #	61
29) Chloroform	5.90	83	22788	0.098	ppbv	96
30) Cyclohexane	7.31	84	13102	0.108	ppbv #	1
34) 2-Butanone	5.38	43	473964	2.032	ppbv	97
35) Carbon Tetrachloride	7.19	117	8384	0.041	ppbv #	79
36) Benzene	7.06	78	494805	1.703	ppbv	99
38) Trichloroethene	8.03	130	10409	0.102	ppbv	95
39) 1,2-Dichloropropane	7.35	63	949244	7.822	ppbv #	25
44) 2,2,4-Trimethylpentane	8.05	57	132907	0.254	ppbv #	70
50) 4-Methyl-2-Pentanone	8.94	43	42956	0.128	ppbv #	61
51) 2-Hexanone	10.34	43	14561	0.062	ppbv #	28
52) Tetrachloroethene	11.44	164	54789	0.639	ppbv	87
53) Toluene	10.01	91	590203	1.853	ppbv	99
58) Ethyl Benzene	12.93	91	37775	0.093	ppbv	97
59) m/p-Xylene	13.19	91	171131	0.497	ppbv	99
60) o-Xylene	13.91	91	75059	0.222	ppbv	98
61) Styrene	13.76	104	54272	0.229	ppbv	94
73) 1,3,5-Trimethylbenzene	16.22	105	20536	0.057	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.99	105	110010	0.285	ppbv #	72
75) 1,3-Dichlorobenzene	17.38	146	7032256	30.289	ppbv	100
76) 1,4-Dichlorobenzene	17.38	146	7032256	31.977	ppbv	99
79) Naphthalene	22.48	128	35763	0.423	ppbv #	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

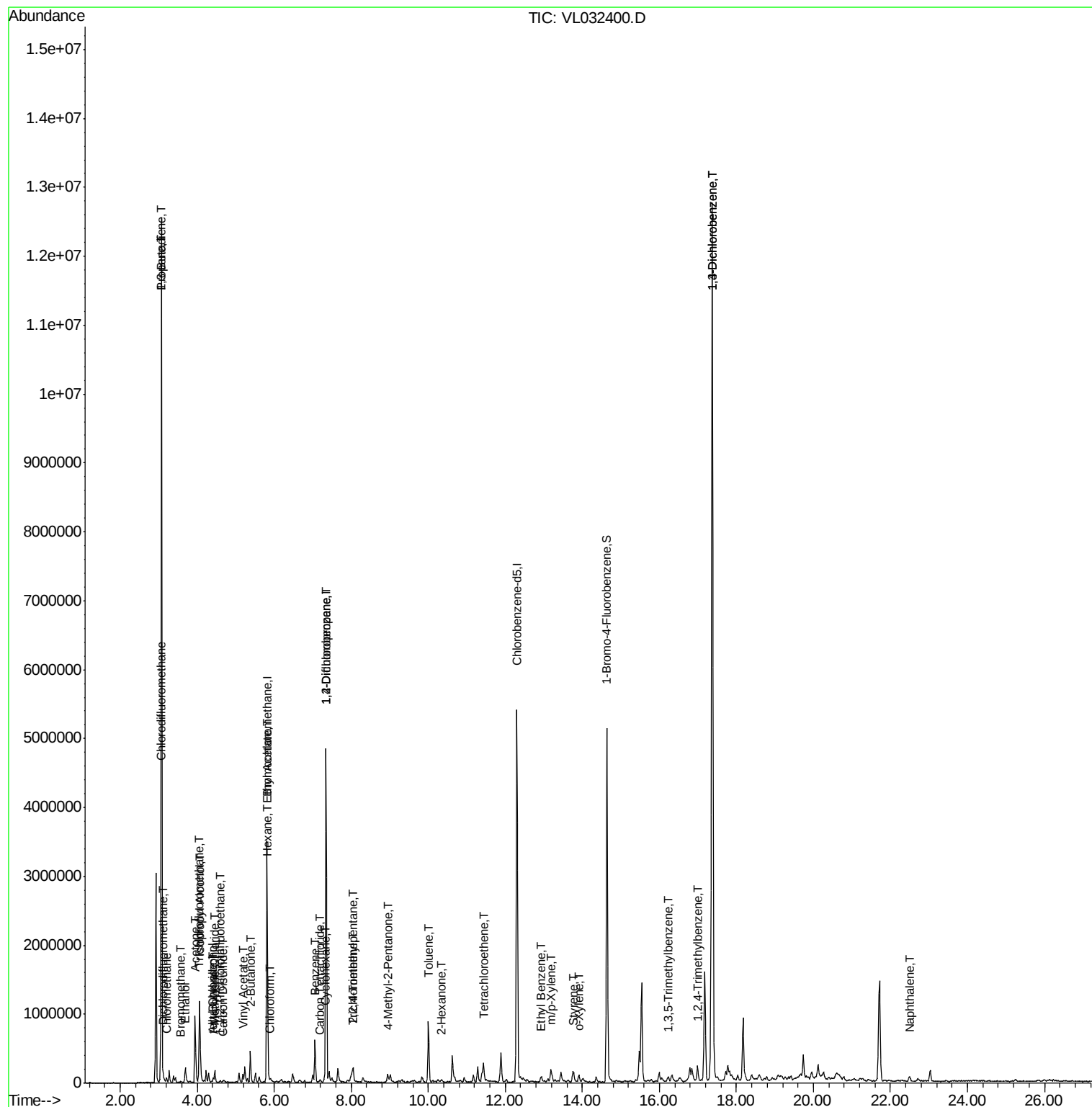
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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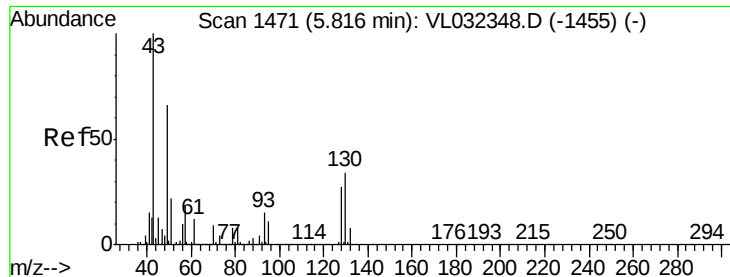
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

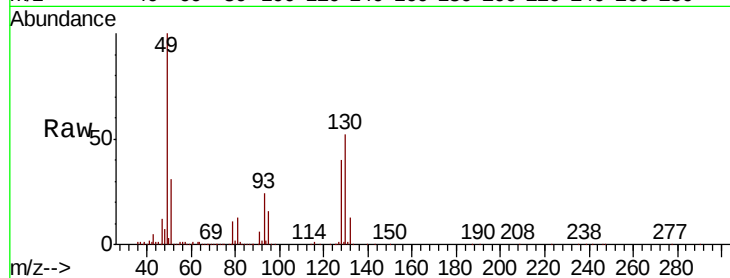
Tgt Ion: 49 Resp: 1748359

Ion Ratio Lower Upper

49 100

128 41.0 20.5 61.6

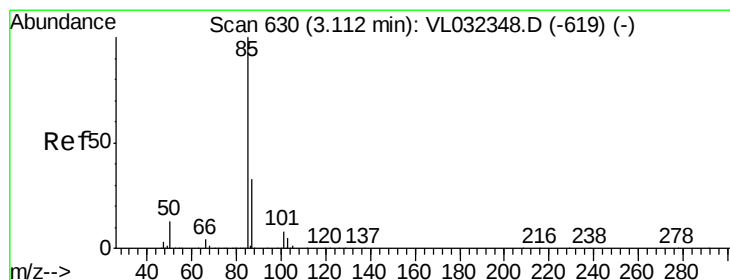
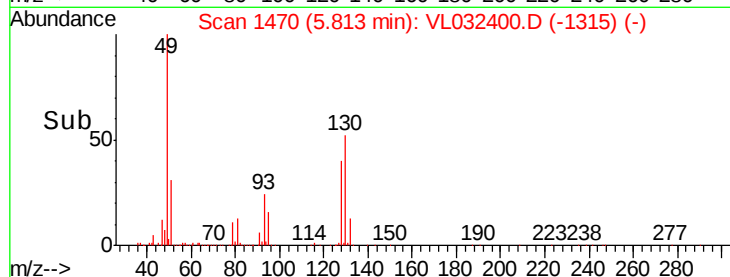
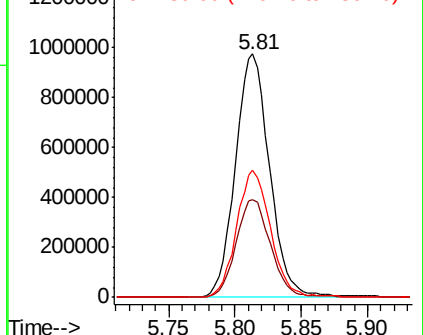
130 52.5 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.156 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL032400.D

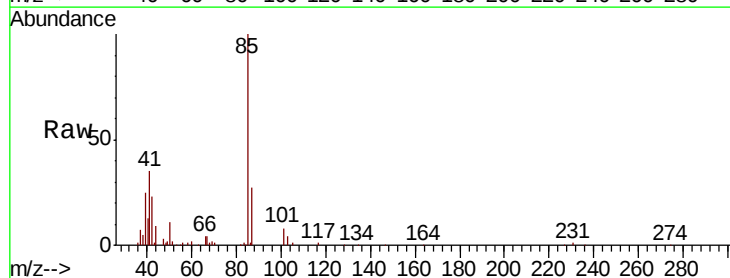
Acq: 17 Aug 2018 9:27

Tgt Ion: 85 Resp: 70107

Ion Ratio Lower Upper

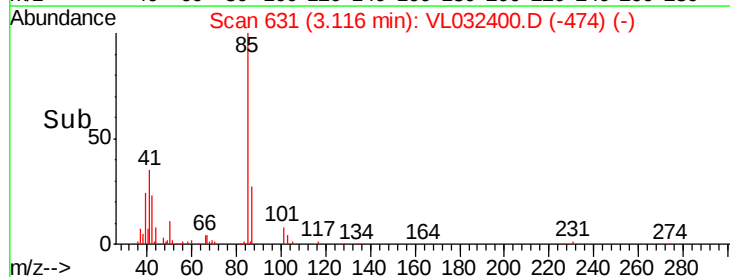
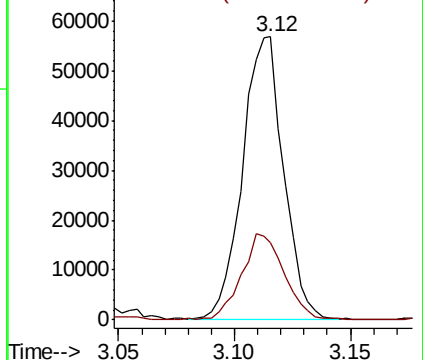
85 100

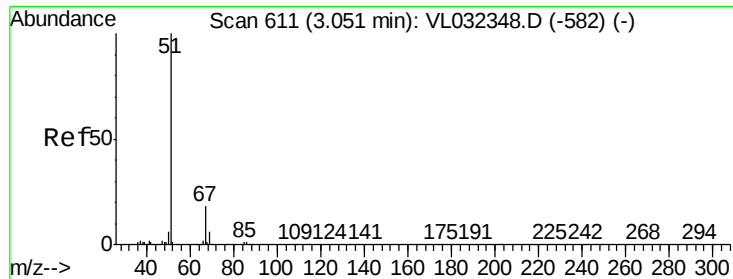
87 26.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

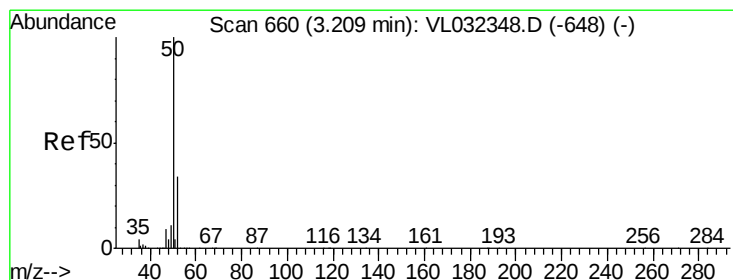
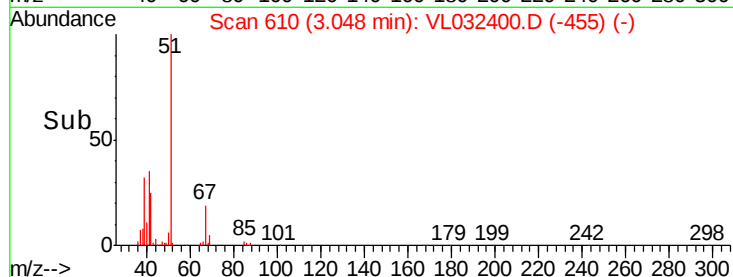
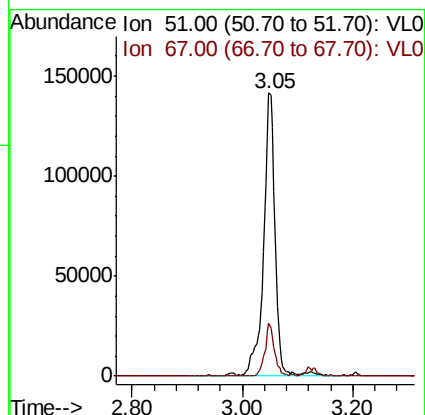
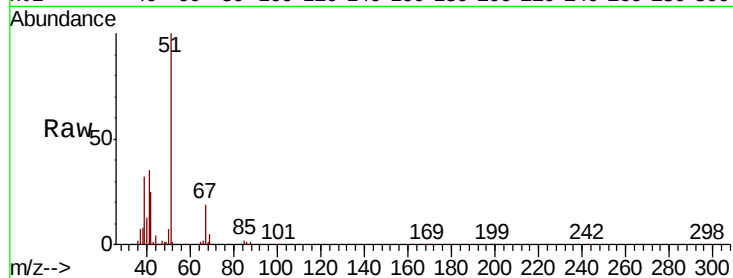




#3
Chlorodifluoromethane
Concen: 1.306 ppbv
RT: 3.05 min Scan# 610
Delta R.T. -0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

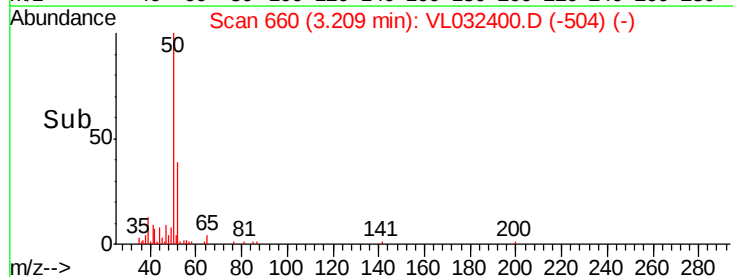
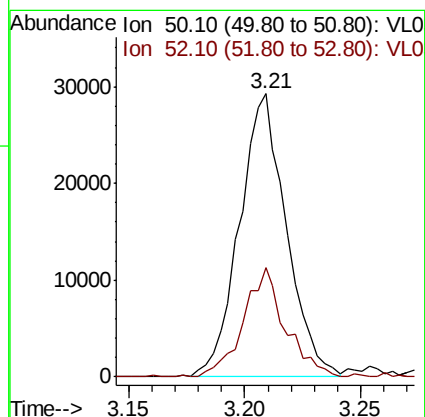
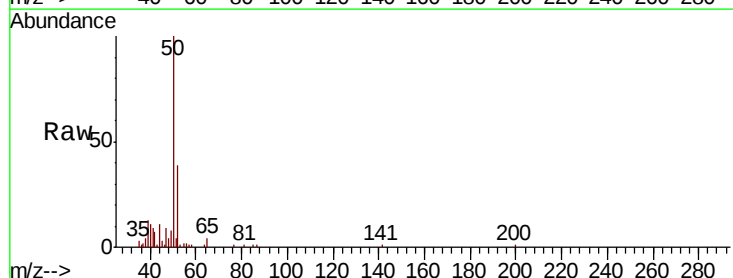
Instrument :
MSVOA_L
ClientSampleId :
SS-1

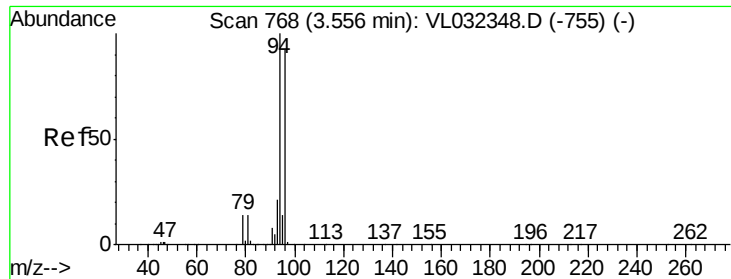
Tgt Ion: 51 Resp: 211570
Ion Ratio Lower Upper
51 100
67 15.5 13.7 20.5



#4
Chloromethane
Concen: 0.425 ppbv
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

Tgt Ion: 50 Resp: 40942
Ion Ratio Lower Upper
50 100
52 38.8 26.8 40.2





#6

Bromomethane

Concen: 0.068 ppbv

RT: 3.56 min Scan# 769

Delta R.T. 0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampled :

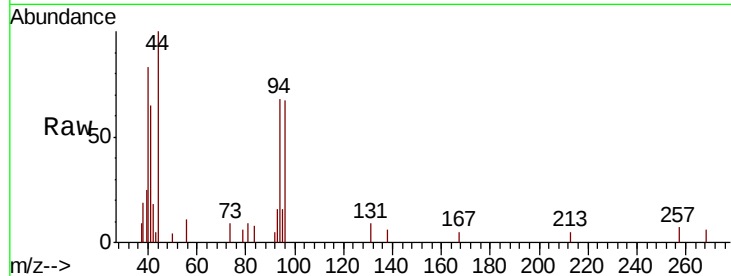
SS-1

Tgt Ion: 94 Resp: 3371

Ion Ratio Lower Upper

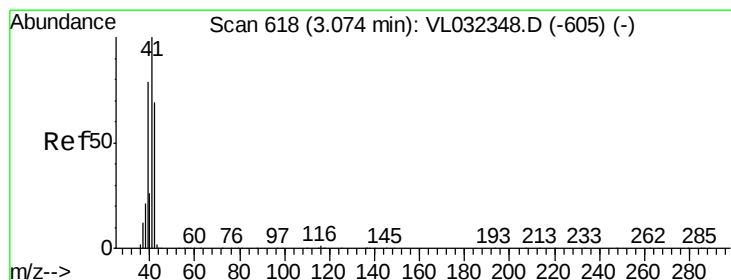
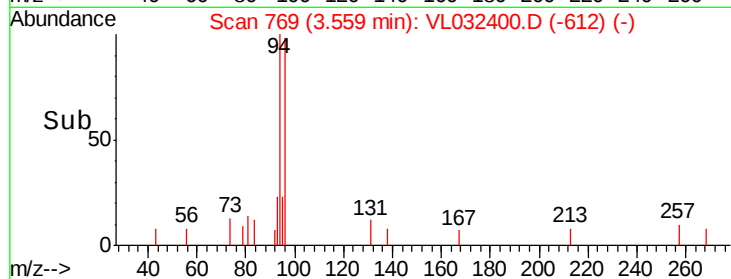
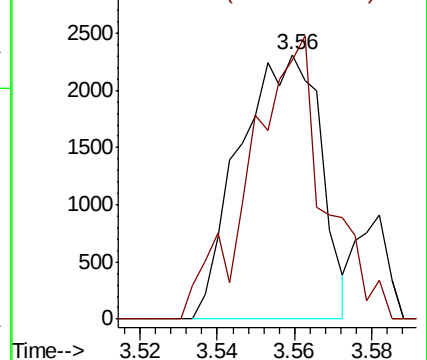
94 100

96 69.4 73.7 110.5#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#9

Propene

Concen: 80.158 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032400.D

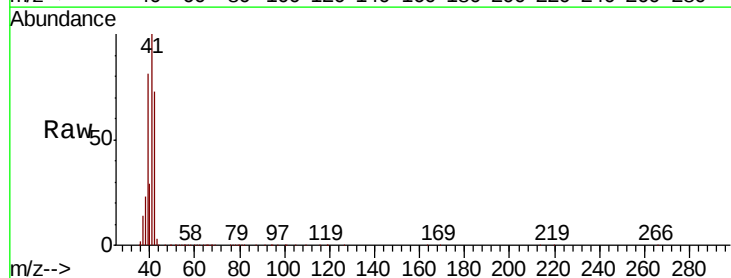
Acq: 17 Aug 2018 9:27

Tgt Ion: 41 Resp: 5556144

Ion Ratio Lower Upper

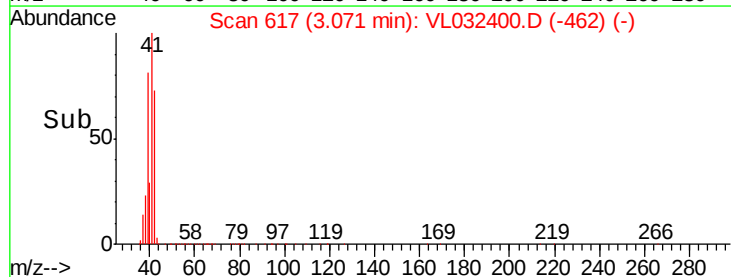
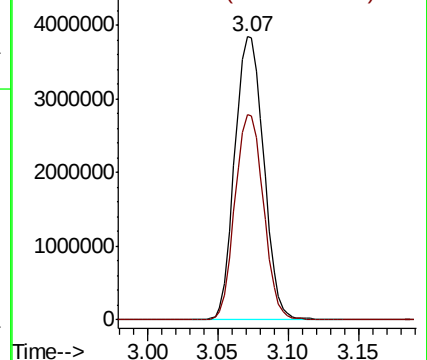
41 100

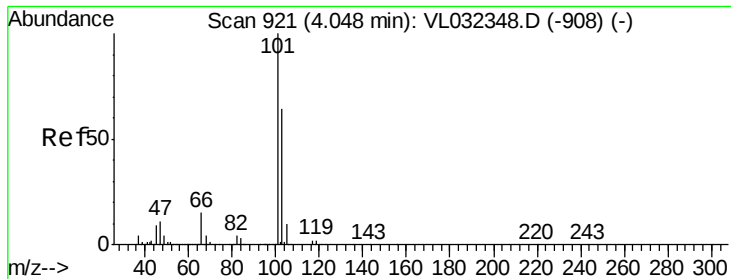
42 71.6 55.9 83.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

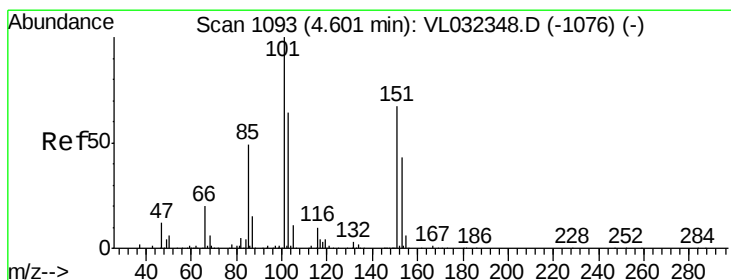
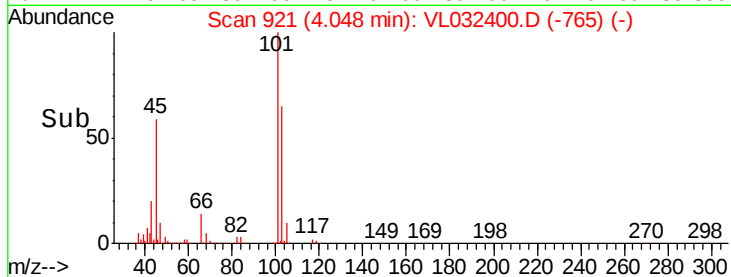
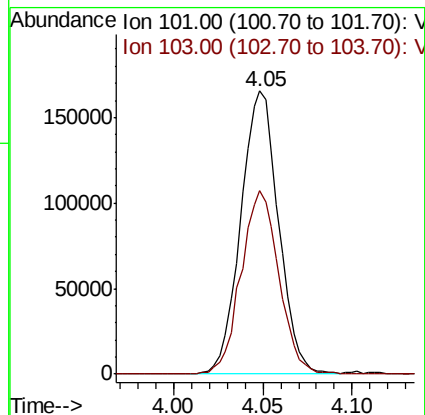
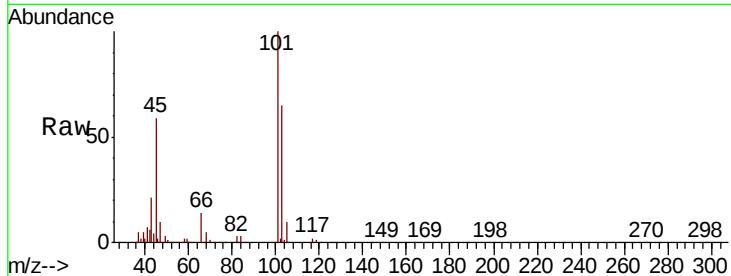




#11
 Trichlorofluoromethane
 Concen: 1.253 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

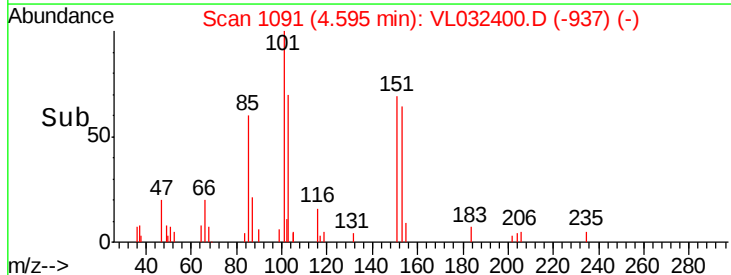
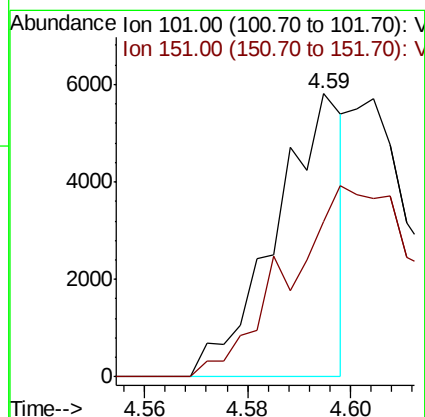
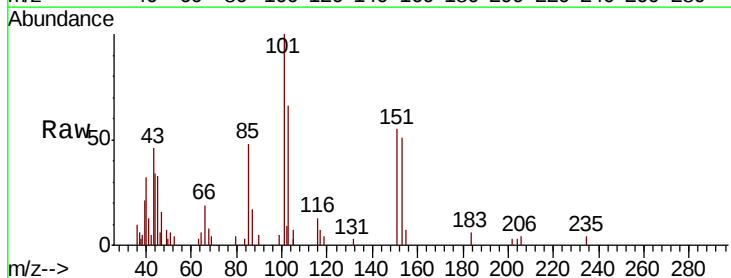
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

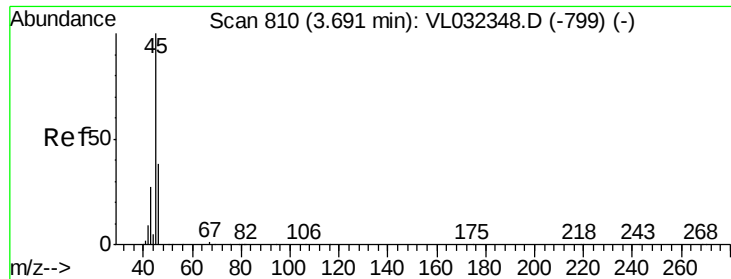
Tgt Ion:101 Resp: 245100
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 4.59 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

Tgt Ion:101 Resp: 5311
 Ion Ratio Lower Upper
 101 100
 151 127.6 53.1 79.7#





#13

Ethanol

Concen: 13.422 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

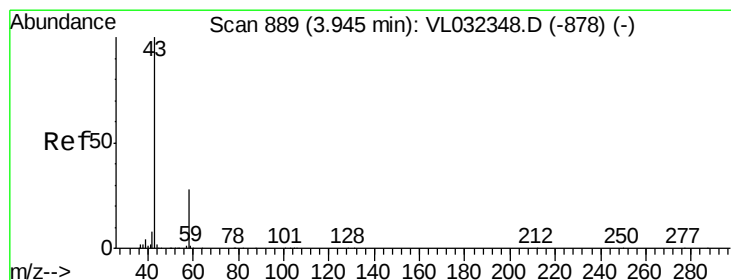
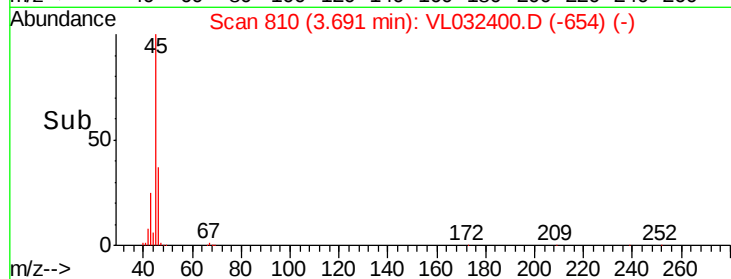
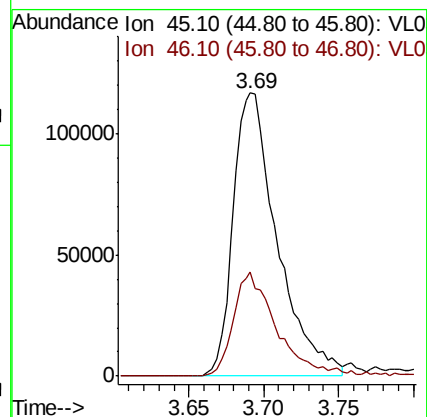
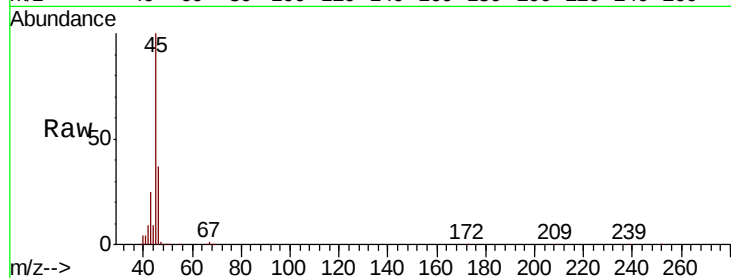
SS-1

Tgt Ion: 45 Resp: 238938

Ion Ratio Lower Upper

45 100

46 36.9 15.6 62.4



#15

Acetone

Concen: 6.040 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032400.D

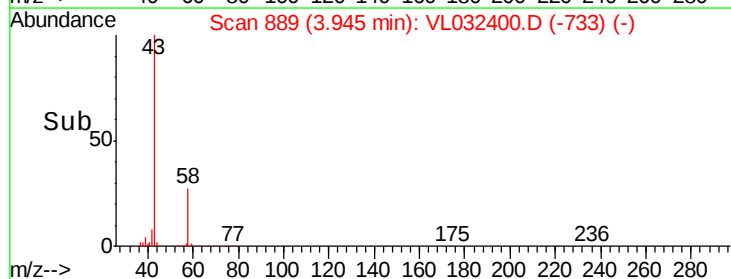
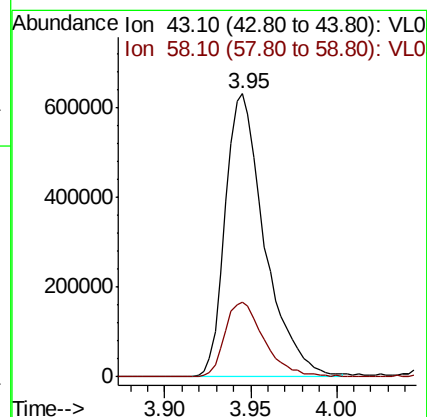
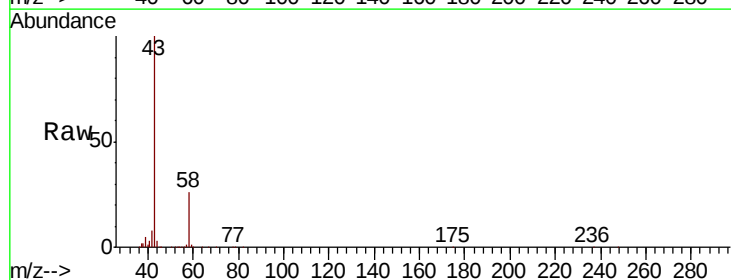
Acq: 17 Aug 2018 9:27

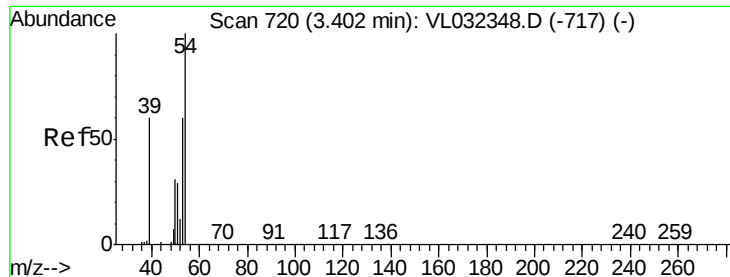
Tgt Ion: 43 Resp: 1003228

Ion Ratio Lower Upper

43 100

58 26.6 22.4 33.6





#16

1,3-Butadiene

Concen: 65.789 ppbv

RT: 3.07 min Scan# 618

Delta R.T. -0.33 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

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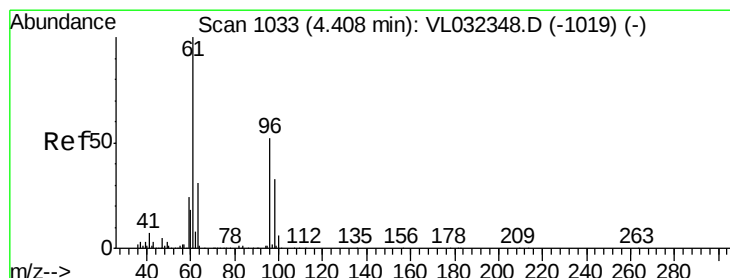
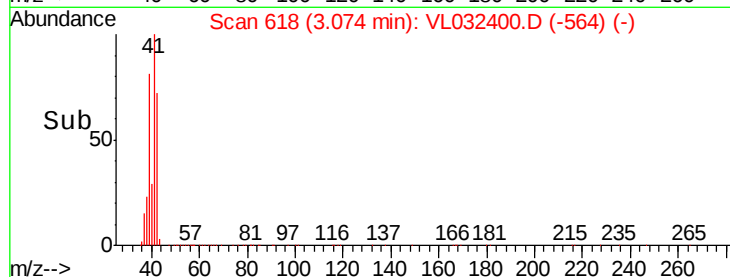
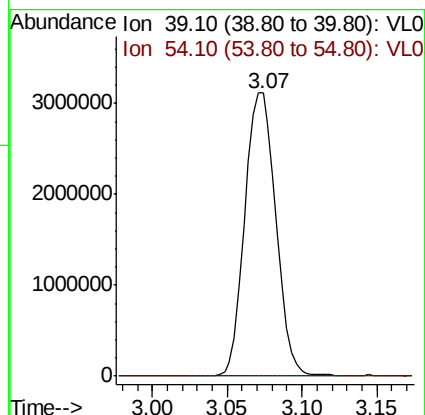
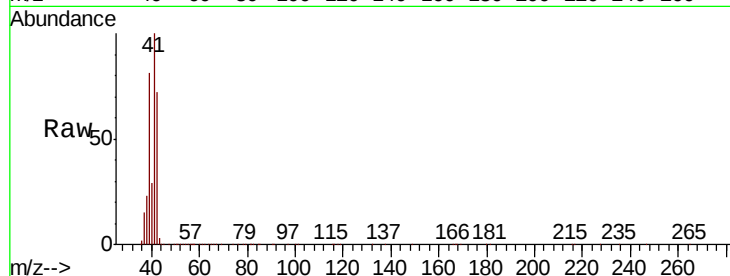
SS-1

Tgt Ion: 39 Resp: 4511924

Ion Ratio Lower Upper

39 100

54 0.0 85.5 128.3#



#17

tert-Butyl alcohol

Concen: 1.153 ppbv

RT: 4.41 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VL032400.D

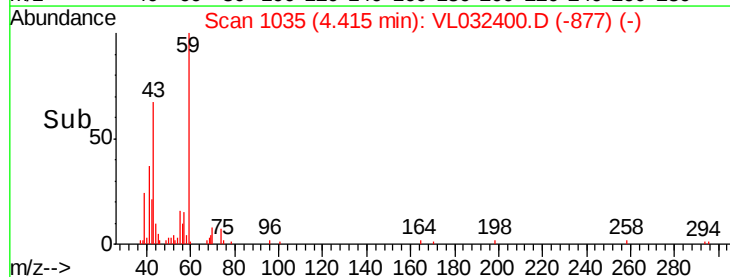
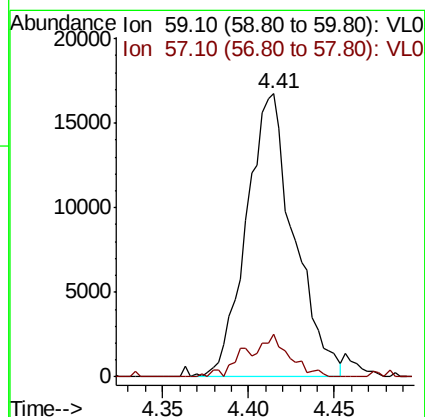
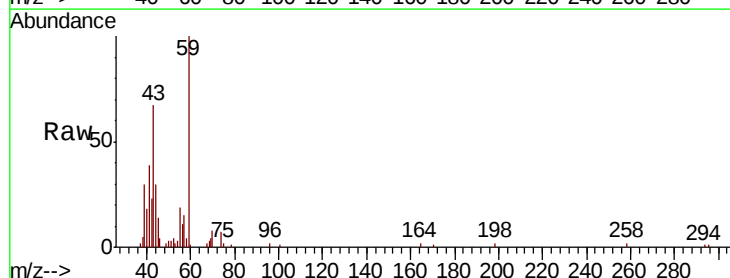
Acq: 17 Aug 2018 9:27

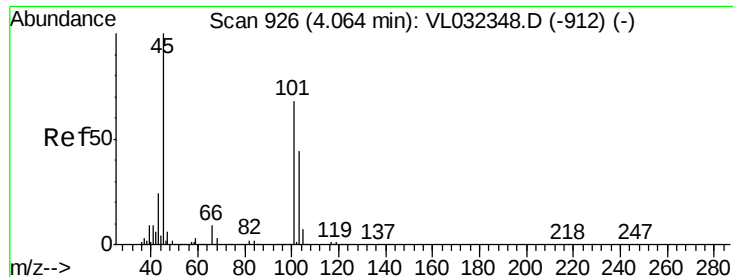
Tgt Ion: 59 Resp: 32144

Ion Ratio Lower Upper

59 100

57 13.5 7.6 11.4#



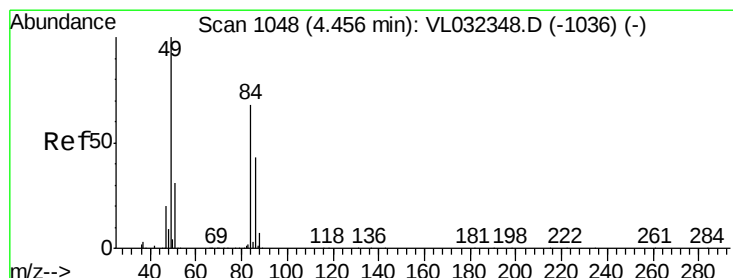
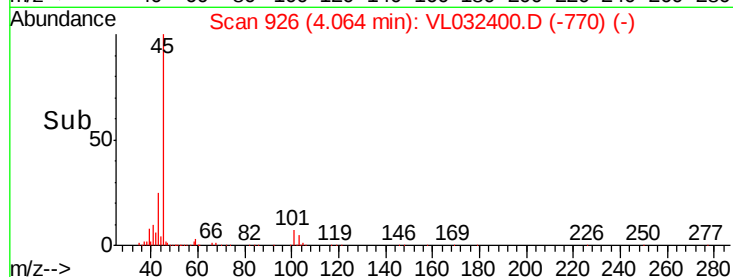
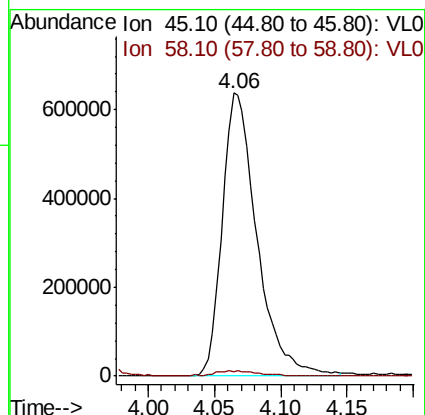
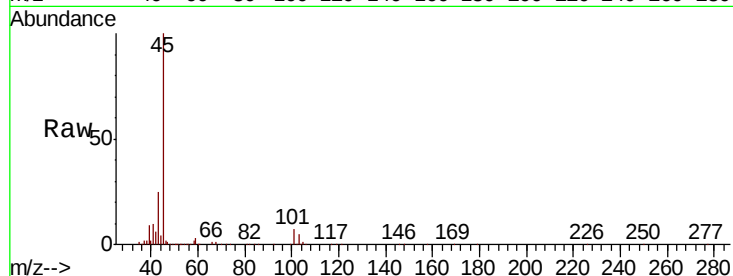


#19

Isopropyl Alcohol
 Concen: 10.310 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

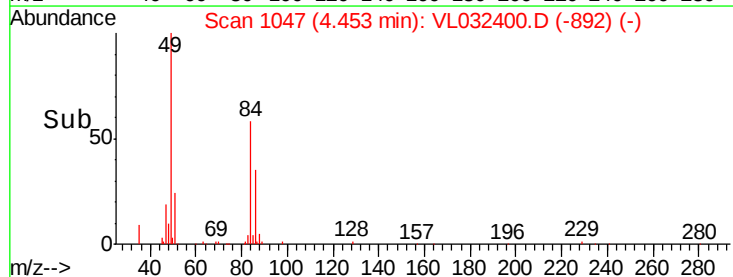
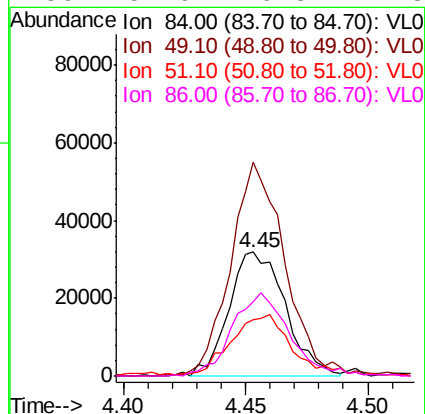
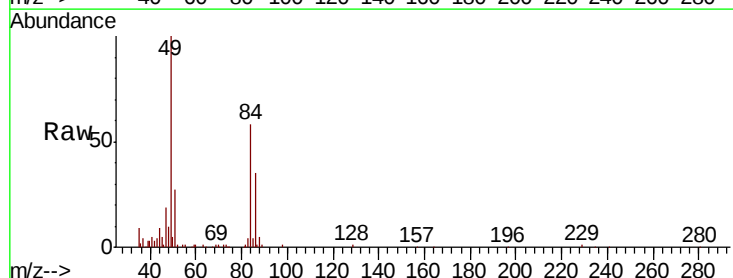
Tgt Ion: 45 Resp: 1153251
 Ion Ratio Lower Upper
 45 100
 58 2.5 1.4 2.0#

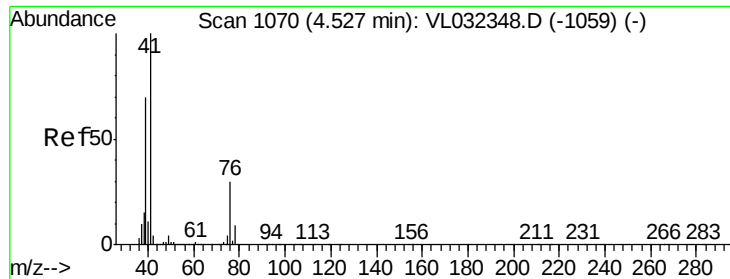


#20

Methylene Chloride
 Concen: 0.817 ppbv
 RT: 4.45 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

Tgt Ion: 84 Resp: 51244
 Ion Ratio Lower Upper
 84 100
 49 168.4 117.3 175.9
 51 43.8 36.6 55.0
 86 57.6 49.8 74.8

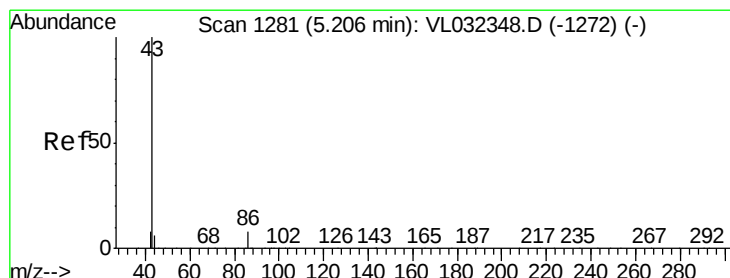
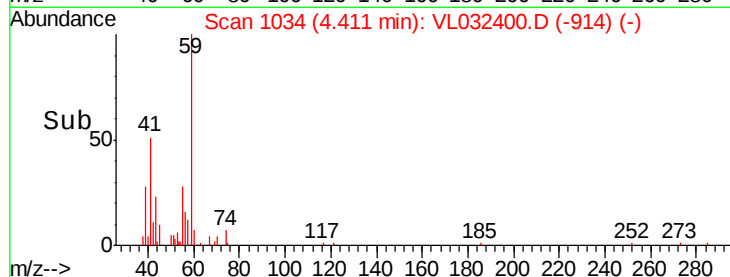
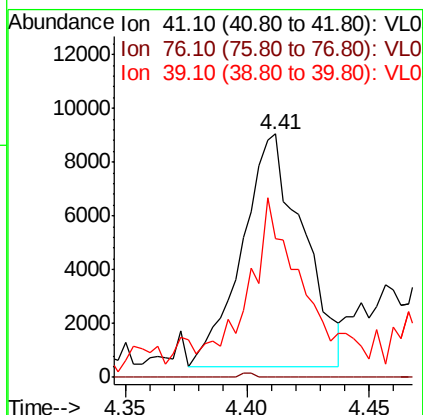
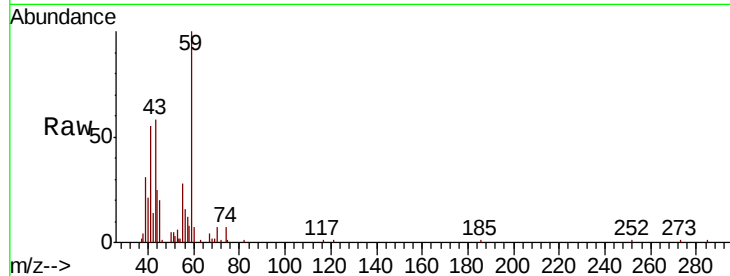




#21
 Allyl Chloride
 Concen: 0.143 ppbv
 RT: 4.41 min Scan# 1034
 Delta R.T. -0.12 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

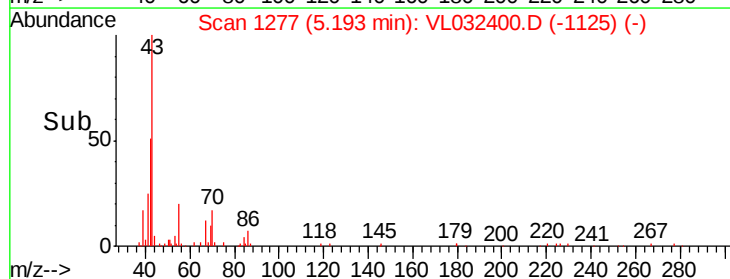
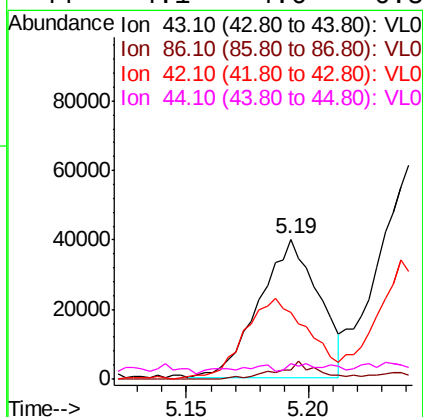
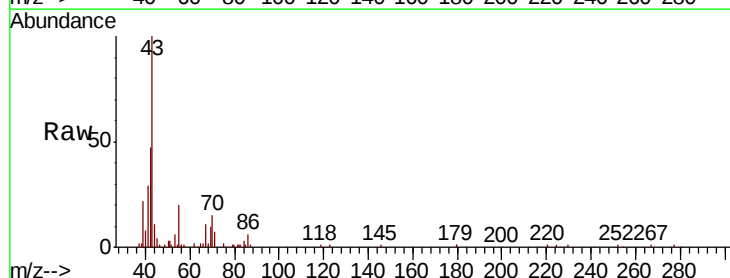
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

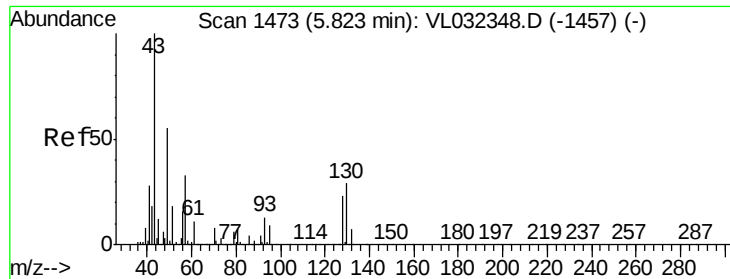
Tgt Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	60.6	57.6	86.4



#23
 Vinyl Acetate
 Concen: 0.232 ppbv
 RT: 5.19 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.5	8.3
42	46.0	7.0	10.6#
44	4.1	4.6	6.8#

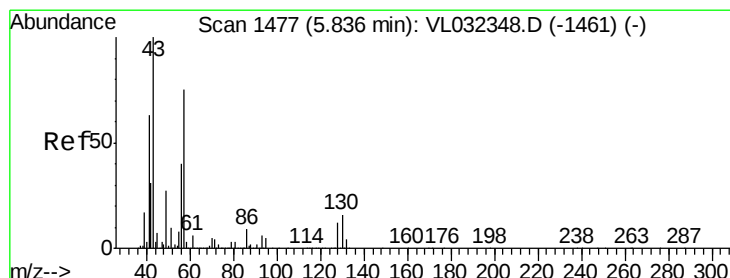
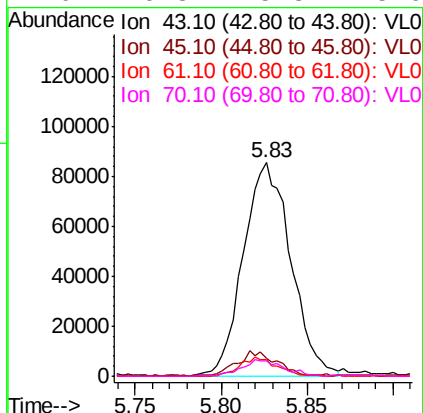
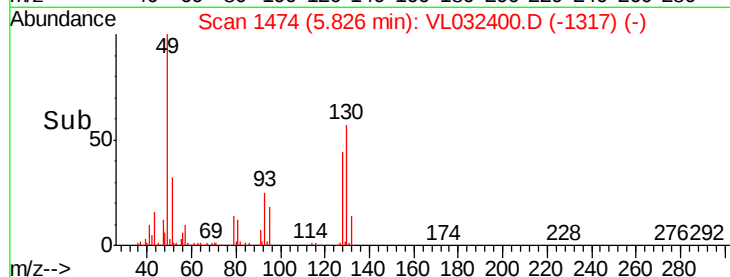
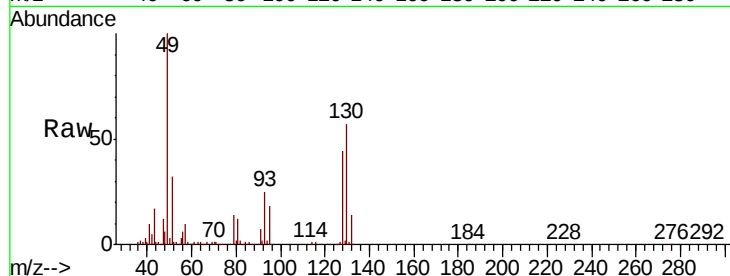




#25
Ethyl Acetate
Concen: 0.457 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

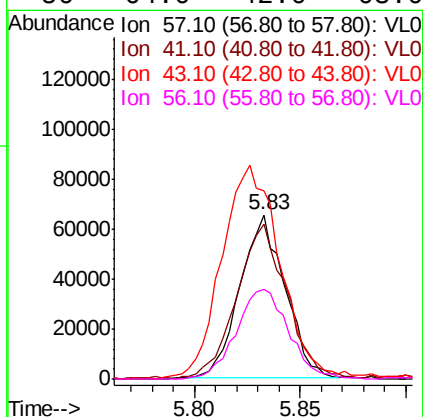
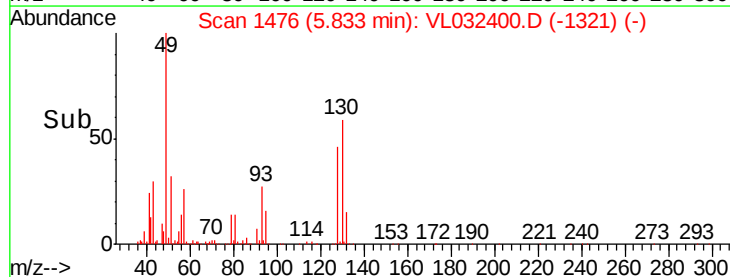
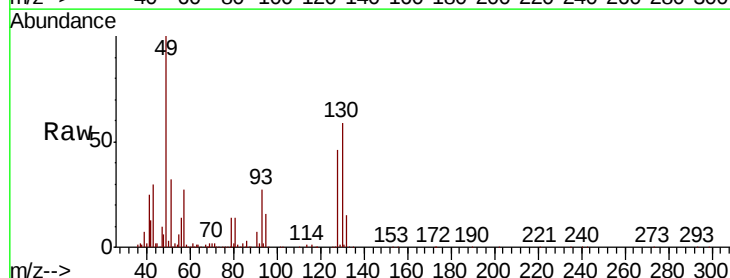
Instrument :
MSVOA_L
ClientSampleId :
SS-1

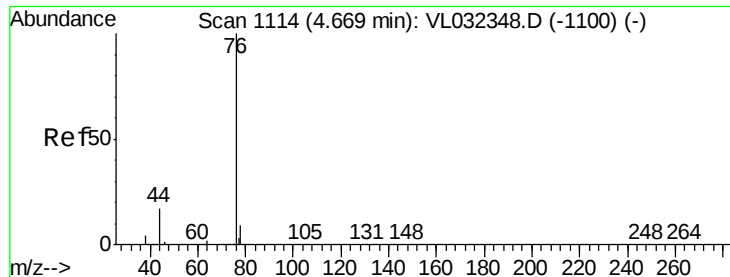
Tgt Ion:	43	Resp:	162774
Ion	Ratio	Lower	Upper
43	100		
45	10.9	7.9	11.9
61	7.3	7.4	11.2#
70	6.8	5.8	8.6



#26
Hexane
Concen: 0.611 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

Tgt Ion:	57	Resp:	96992
Ion	Ratio	Lower	Upper
57	100		
41	105.2	68.0	102.0#
43	173.3	175.3	262.9#
56	64.0	42.0	63.0#





#27

Carbon Disulfide

Concen: 0.131 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampled :

SS-1

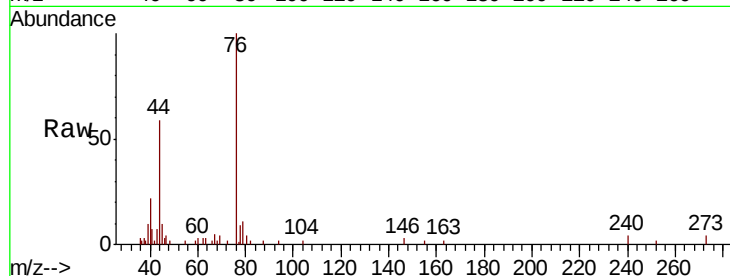
Tgt Ion: 76 Resp: 19354

Ion Ratio Lower Upper

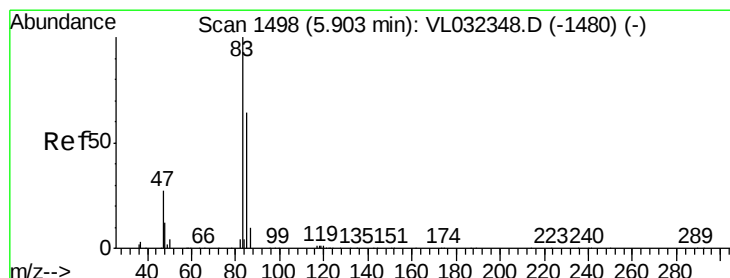
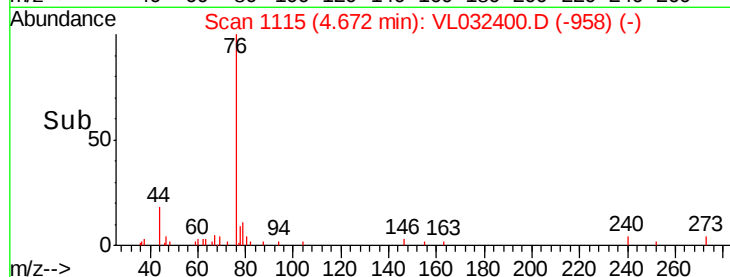
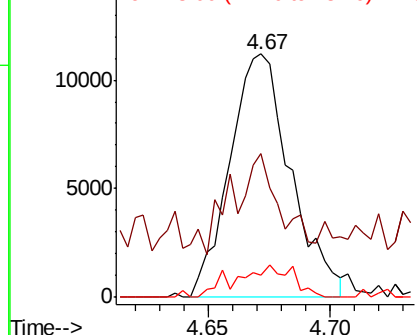
76 100

44 41.6 14.4 21.6#

78 12.7 7.4 11.0#



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: 0.098 ppbv

RT: 5.90 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032400.D

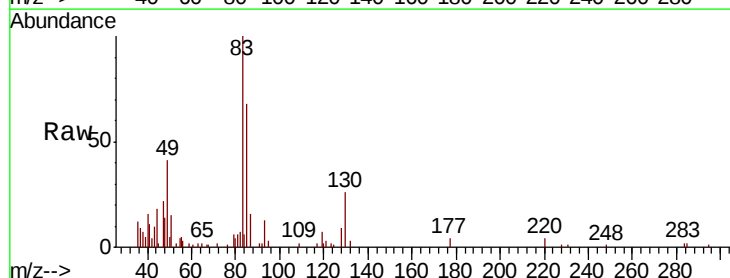
Acq: 17 Aug 2018 9:27

Tgt Ion: 83 Resp: 22788

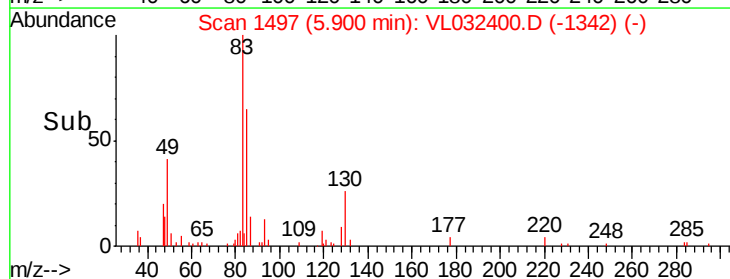
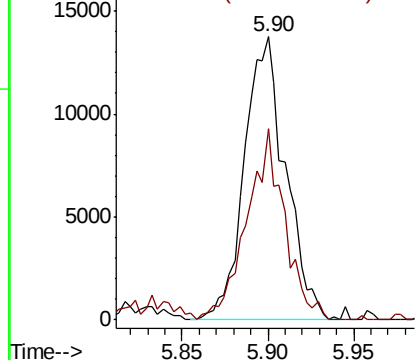
Ion Ratio Lower Upper

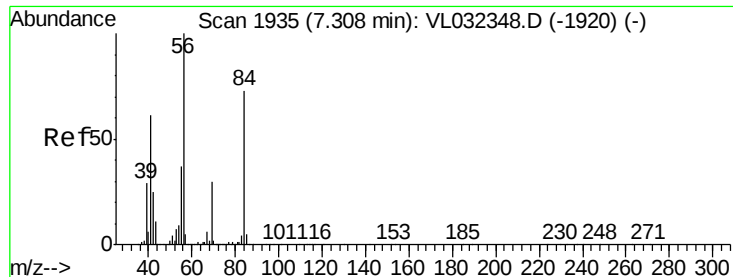
83 100

85 67.6 51.6 77.4



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

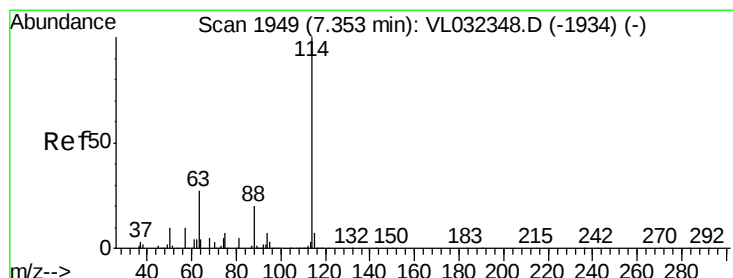
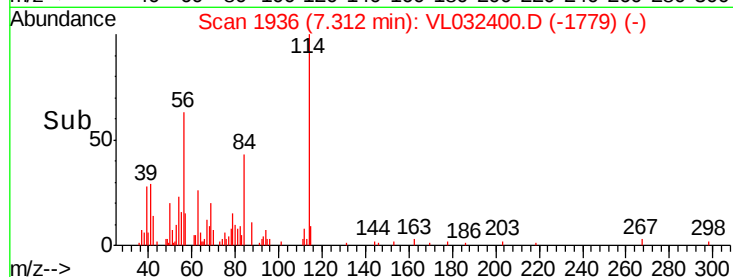
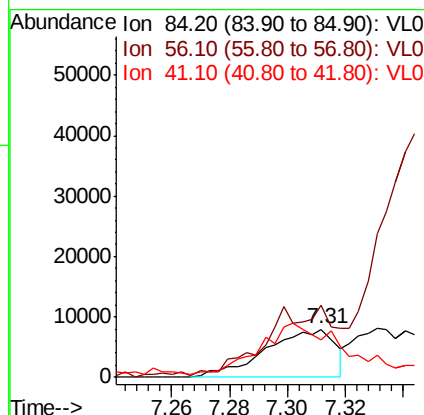
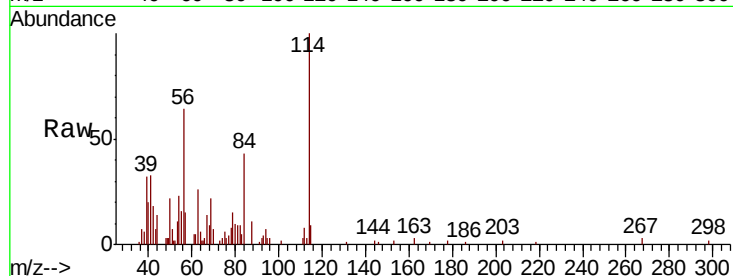




#30
Cyclohexane
Concen: 0.108 ppbv
RT: 7.31 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

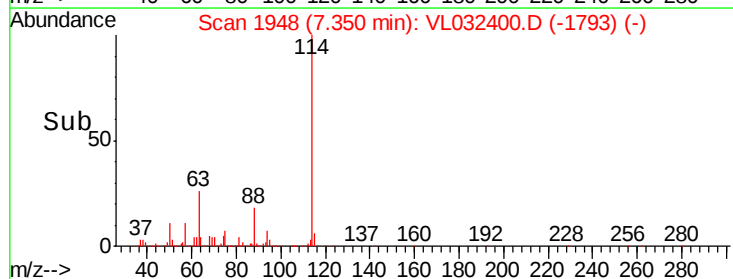
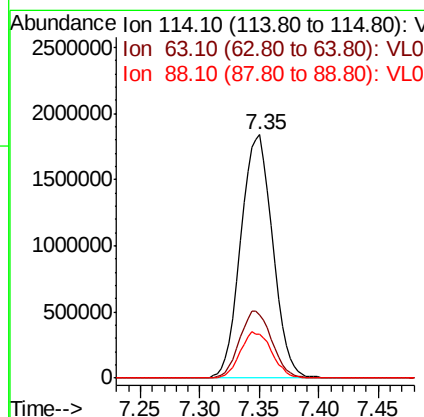
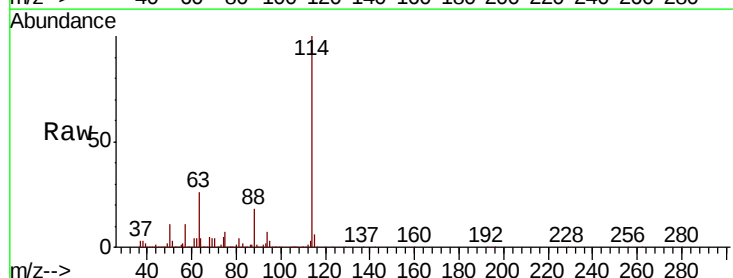
Instrument :
MSVOA_L
ClientSampleId :
SS-1

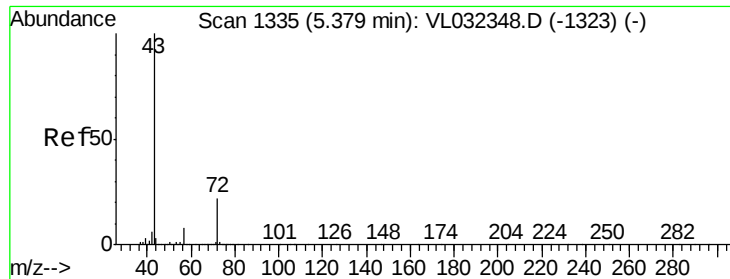
Tgt Ion: 84 Resp: 13102
Ion Ratio Lower Upper
84 100
56 0.0 115.7 173.5#
41 154.2 67.9 101.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

Tgt Ion: 114 Resp: 3426800
Ion Ratio Lower Upper
114 100
63 27.9 22.0 33.0
88 18.9 15.3 22.9

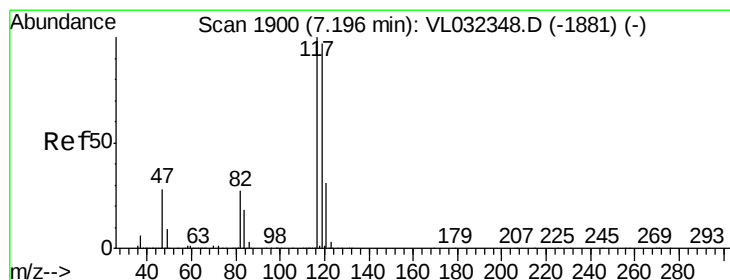
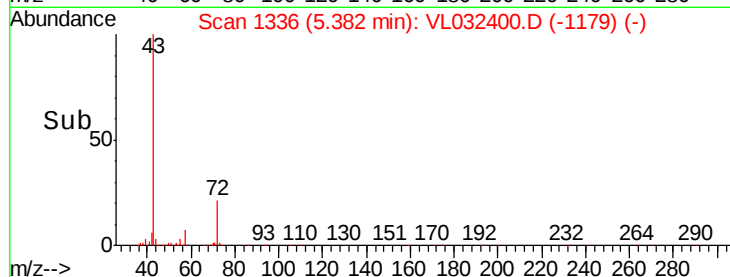
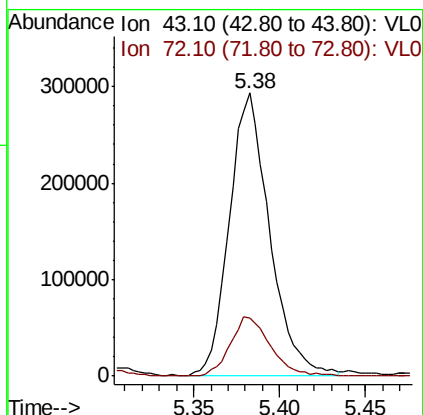
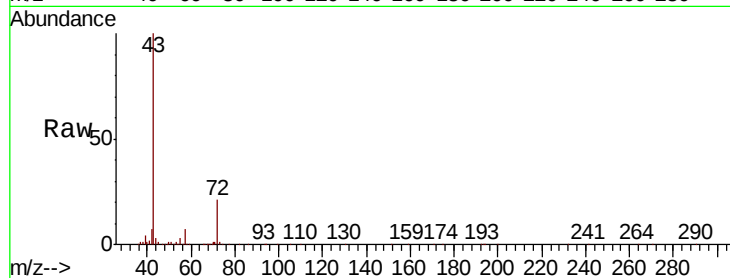




#34
2-Butanone
Concen: 2.032 ppbv
RT: 5.38 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

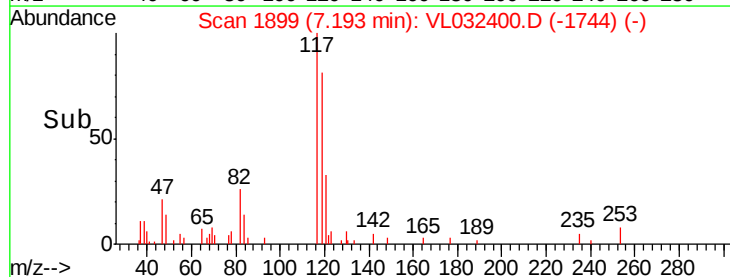
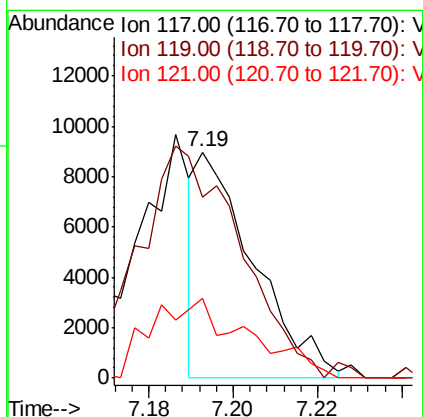
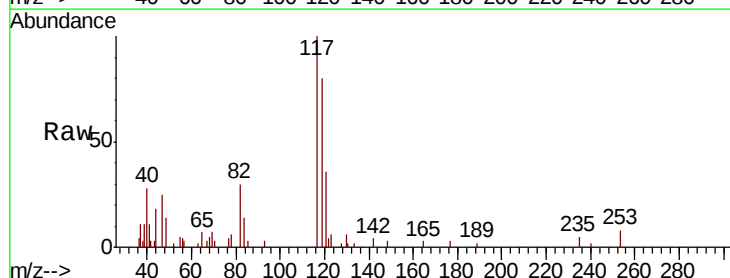
Instrument :
MSVOA_L
ClientSampled :
SS-1

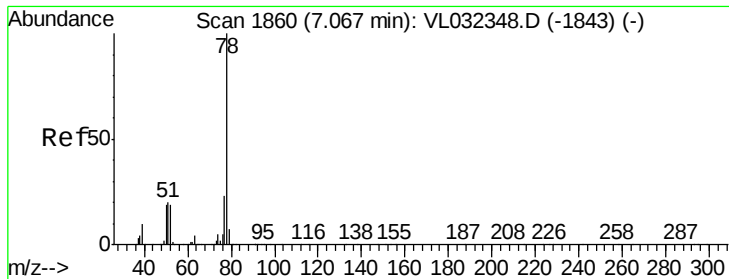
Tgt Ion: 43 Resp: 473964
Ion Ratio Lower Upper
43 100
72 21.2 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.19 min Scan# 1899
Delta R.T. -0.00 min
Lab File: VL032400.D
Acq: 17 Aug 2018 9:27

Tgt Ion: 117 Resp: 8384
Ion Ratio Lower Upper
117 100
119 75.0 77.2 115.8#
121 40.4 25.1 37.7#





#36

Benzene

Concen: 1.703 ppbv

RT: 7.06 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

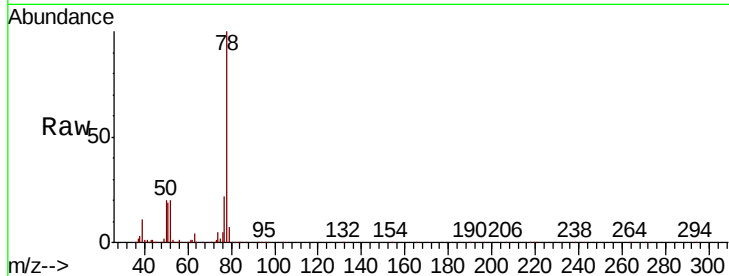
Tgt Ion: 78 Resp: 494805

Ion Ratio Lower Upper

78 100

77 22.1 18.0 27.0

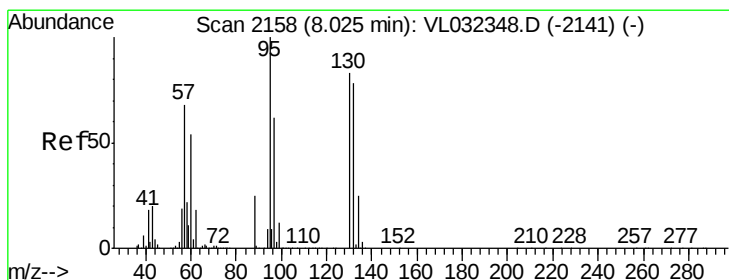
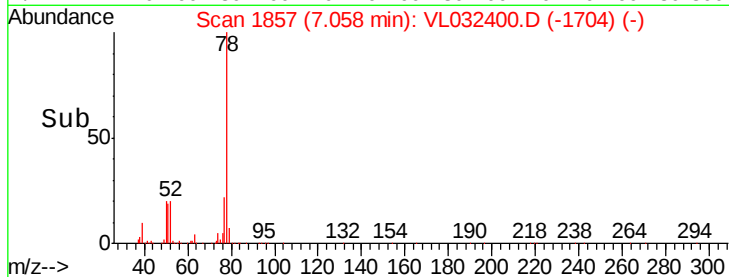
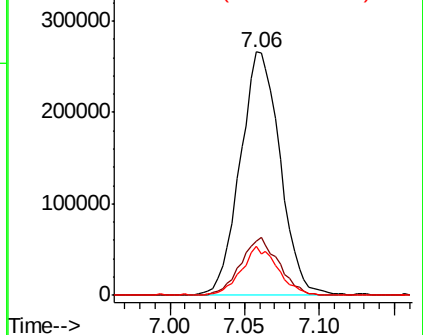
50 19.9 15.1 22.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 0.102 ppbv

RT: 8.03 min Scan# 2158

Delta R.T. 0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Tgt Ion: 130 Resp: 10409

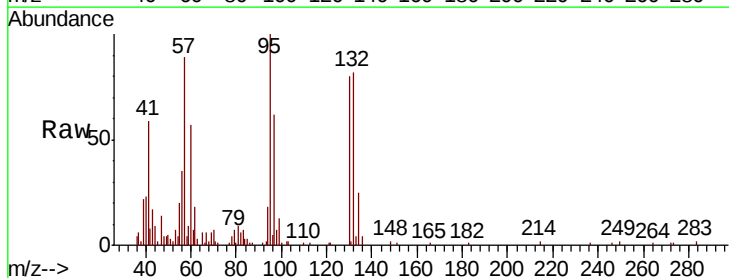
Ion Ratio Lower Upper

130 100

95 117.7 96.6 144.8

132 104.8 75.5 113.3

97 75.9 59.8 89.6

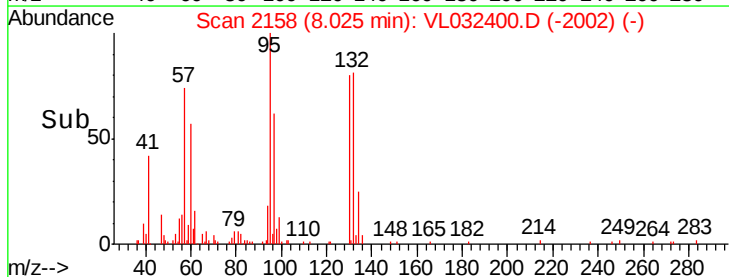
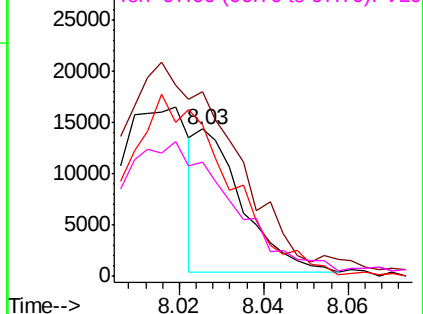


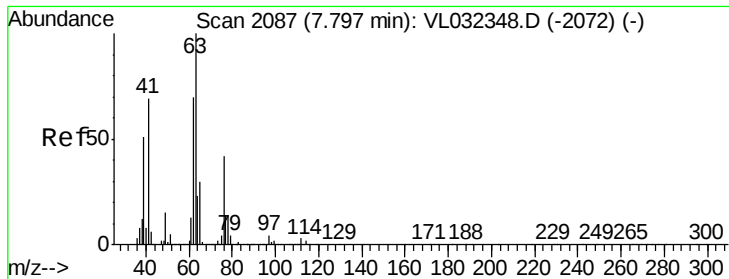
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.822 ppbv

RT: 7.35 min Scan# 1947

Delta R.T. -0.45 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

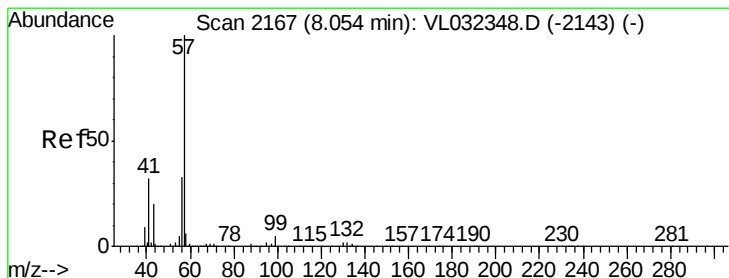
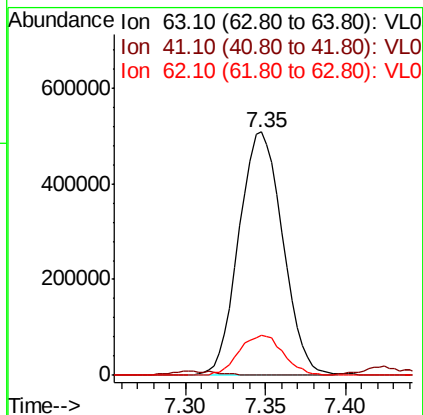
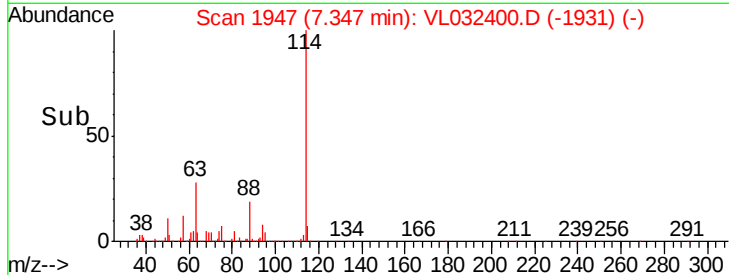
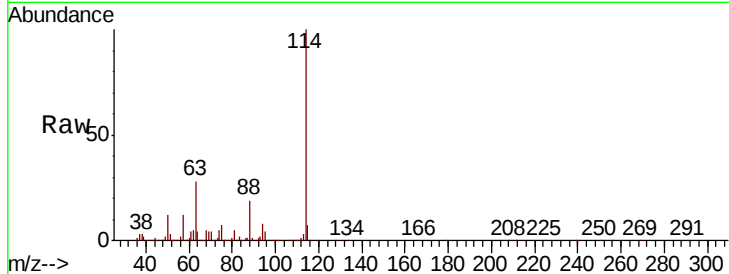
Tgt Ion: 63 Resp: 949244

Ion Ratio Lower Upper

63 100

41 0.0 55.5 83.3#

62 16.7 56.3 84.5#



#44

2,2,4-Trimethylpentane

Concen: 0.254 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

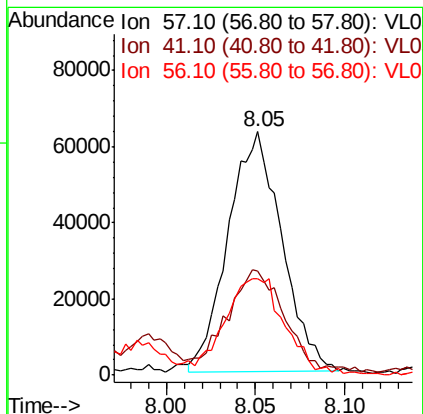
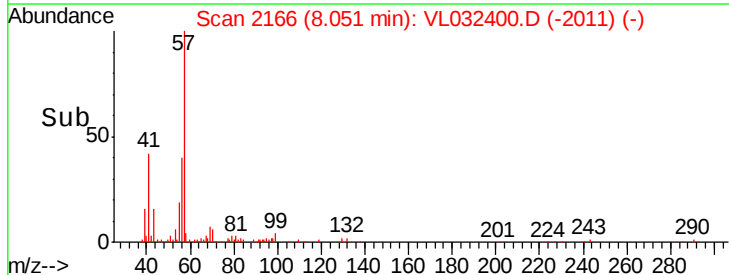
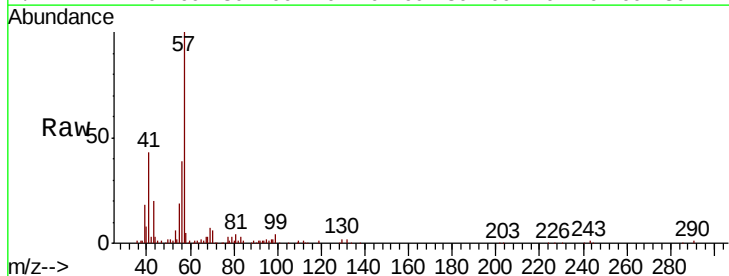
Tgt Ion: 57 Resp: 132907

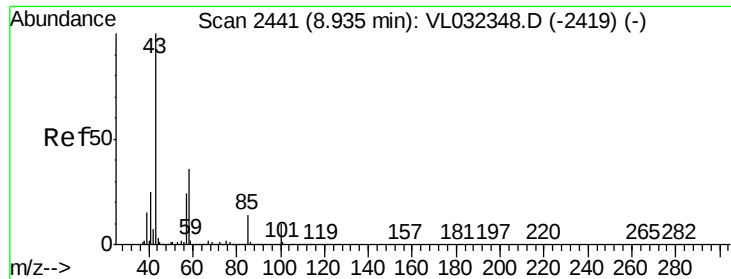
Ion Ratio Lower Upper

57 100

41 48.7 24.3 36.5#

56 46.6 25.7 38.5#

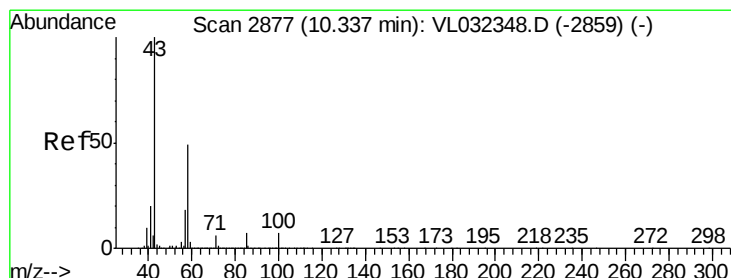
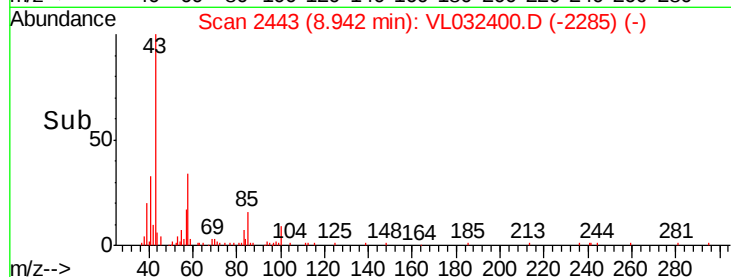
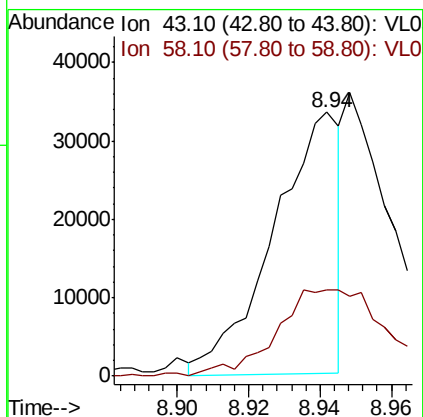
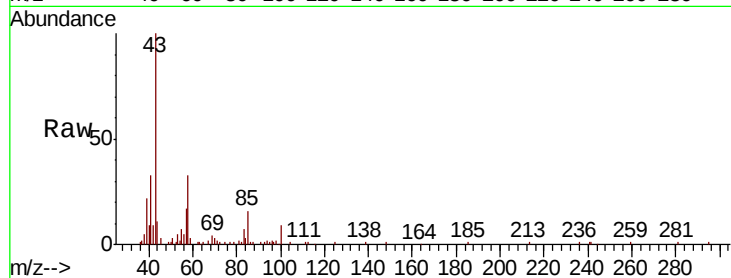




#50
 4-Methyl-2-Pentanone
 Concen: 0.128 ppbv
 RT: 8.94 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

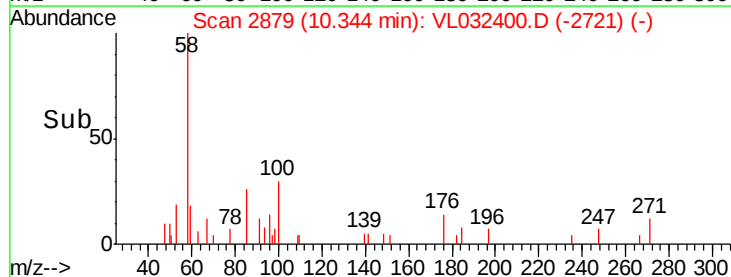
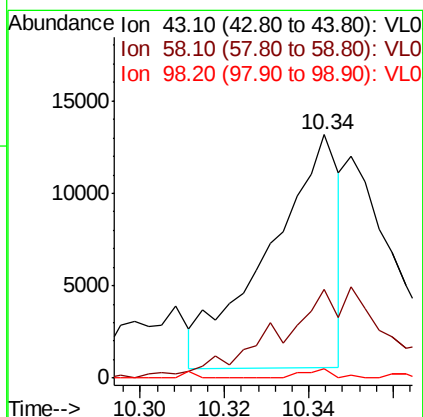
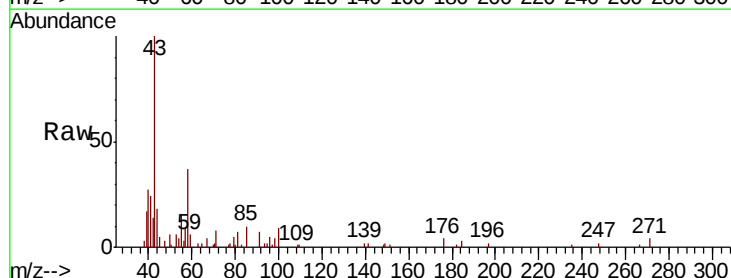
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

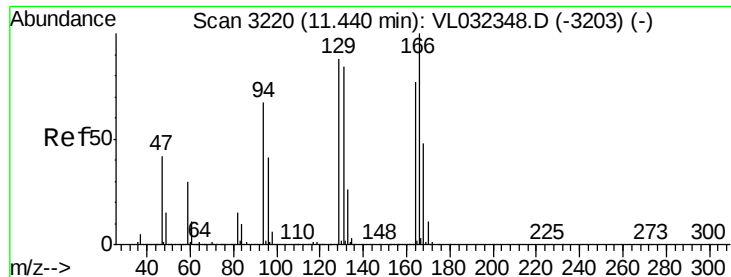
Tgt Ion: 43 Resp: 42956
 Ion Ratio Lower Upper
 43 100
 58 59.1 28.9 43.3#



#51
 2-Hexanone
 Concen: 0.062 ppbv
 RT: 10.34 min Scan# 2879
 Delta R.T. 0.01 min
 Lab File: VL032400.D
 Acq: 17 Aug 2018 9:27

Tgt Ion: 43 Resp: 14561
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.5 59.3#
 98 2.3 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.639 ppbv

RT: 11.44 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tgt Ion:164 Resp: 54789

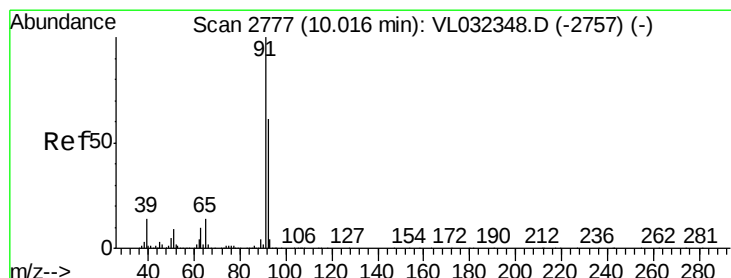
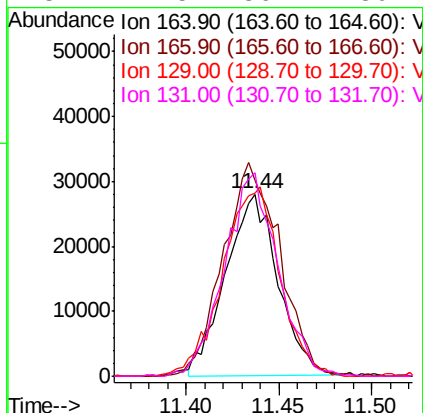
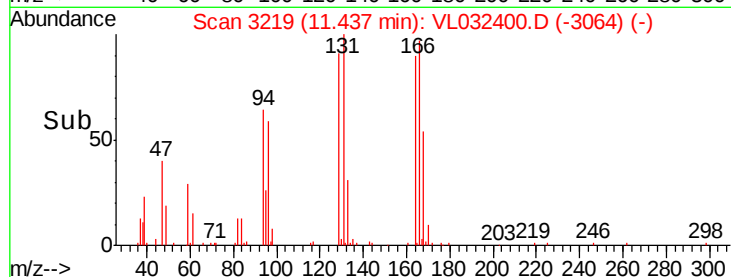
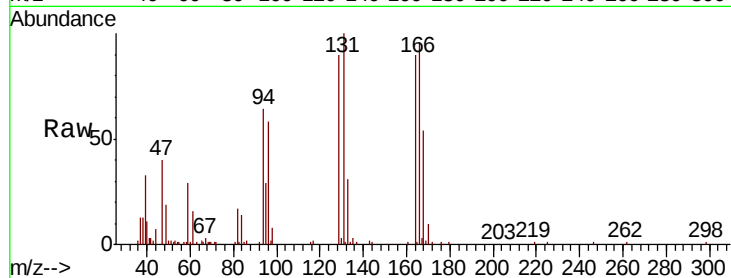
Ion Ratio Lower Upper

164 100

166 106.6 103.5 155.3

129 99.5 90.9 136.3

131 112.5 86.7 130.1



#53

Toluene

Concen: 1.853 ppbv

RT: 10.01 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL032400.D

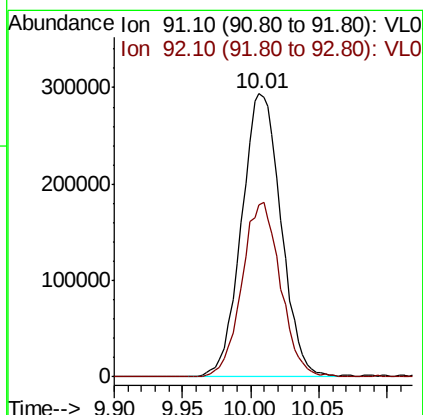
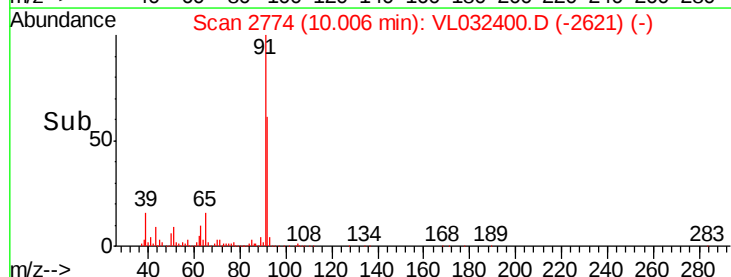
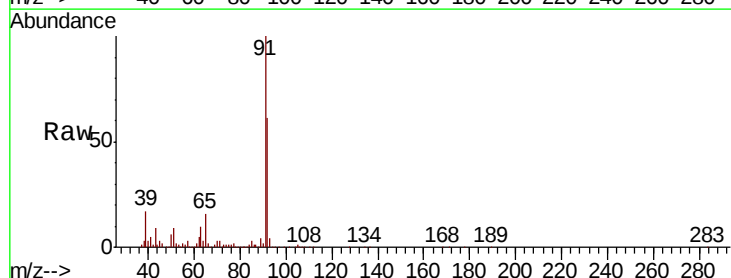
Acq: 17 Aug 2018 9:27

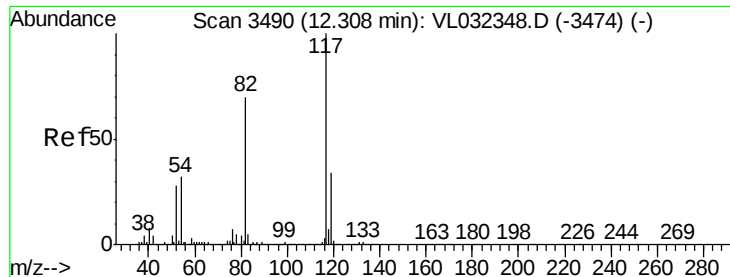
Tgt Ion: 91 Resp: 590203

Ion Ratio Lower Upper

91 100

92 60.2 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.30 min Scan# 3488

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampled :

SS-1

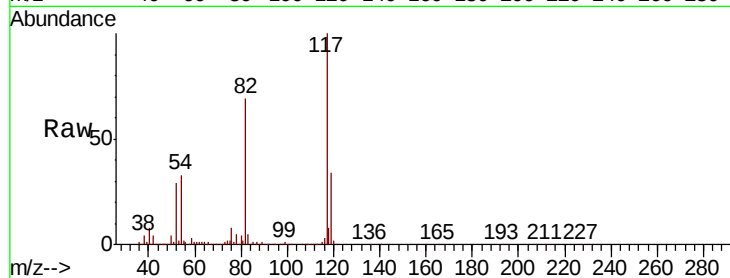
Tgt Ion:117 Resp: 3369058

Ion Ratio Lower Upper

117 100

82 69.2 55.1 82.7

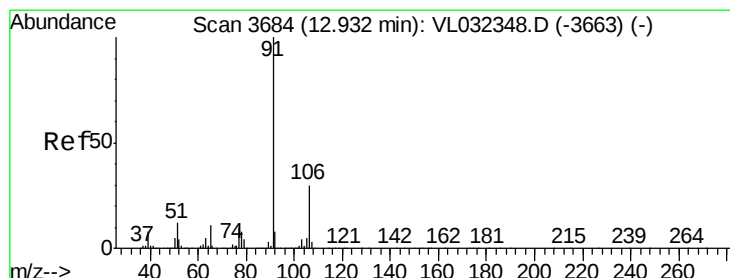
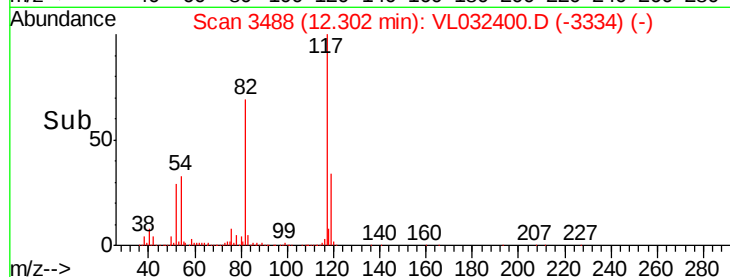
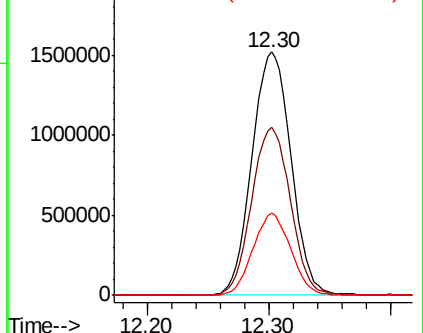
119 32.7 46.0 69.0#



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: 0.093 ppbv

RT: 12.93 min Scan# 3682

Delta R.T. -0.01 min

Lab File: VL032400.D

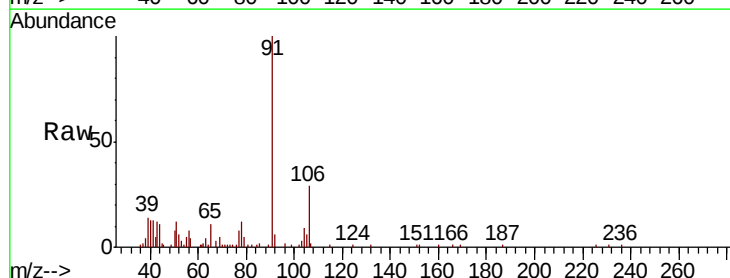
Acq: 17 Aug 2018 9:27

Tgt Ion: 91 Resp: 37775

Ion Ratio Lower Upper

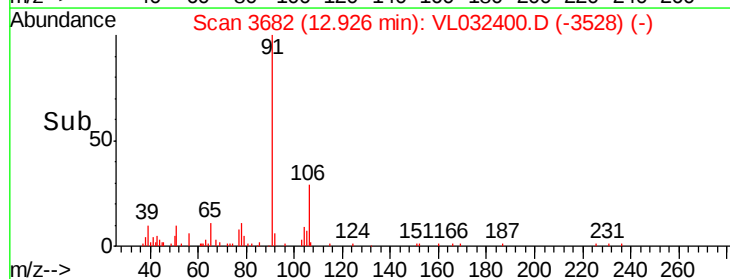
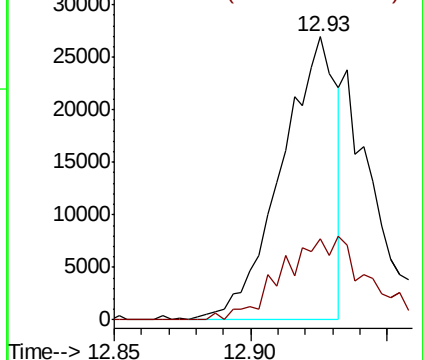
91 100

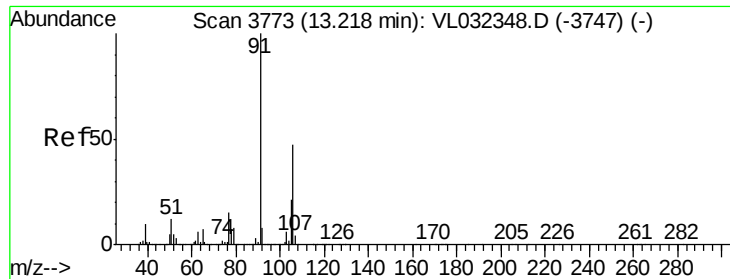
106 28.9 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.497 ppbv

RT: 13.19 min Scan# 3763

Delta R.T. -0.03 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

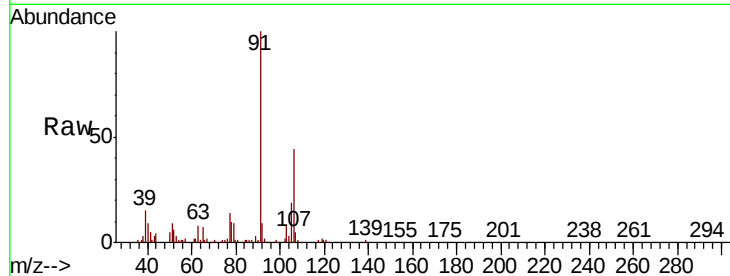
SS-1

Tgt Ion: 91 Resp: 171131

Ion Ratio Lower Upper

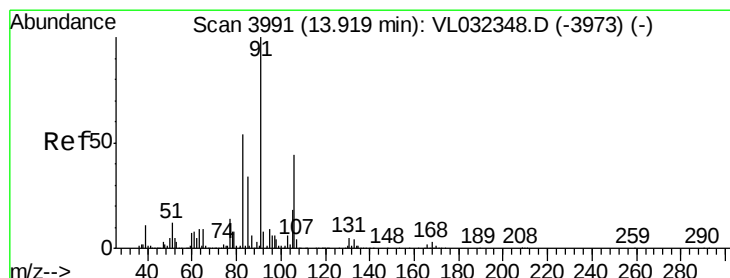
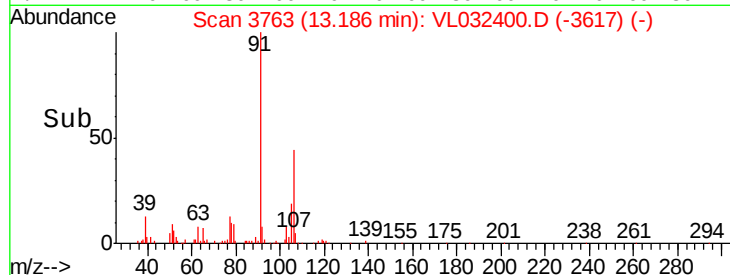
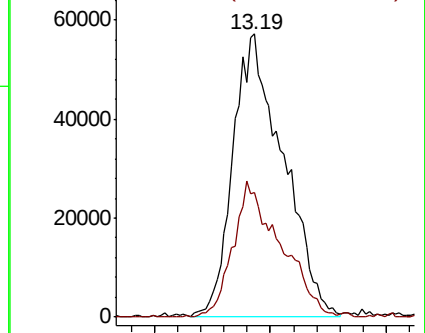
91 100

106 45.6 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.222 ppbv

RT: 13.91 min Scan# 3988

Delta R.T. -0.01 min

Lab File: VL032400.D

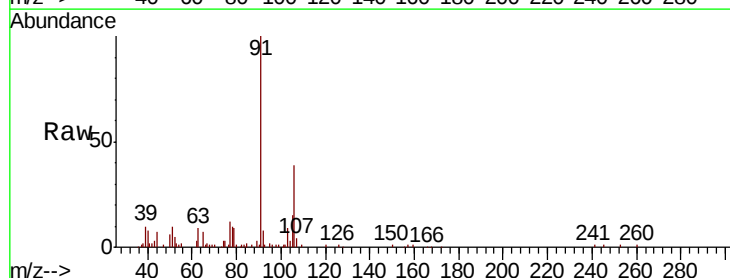
Acq: 17 Aug 2018 9:27

Tgt Ion: 91 Resp: 75059

Ion Ratio Lower Upper

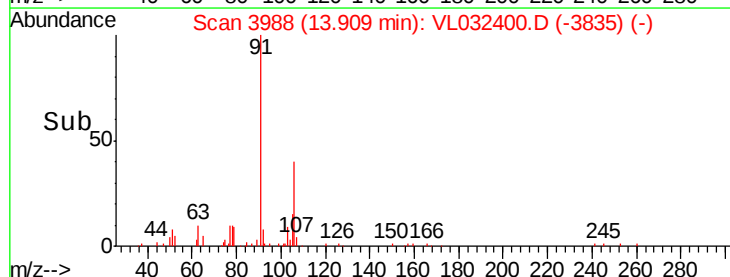
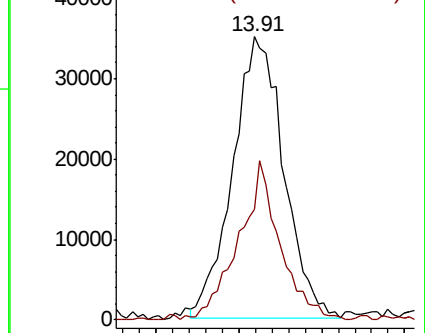
91 100

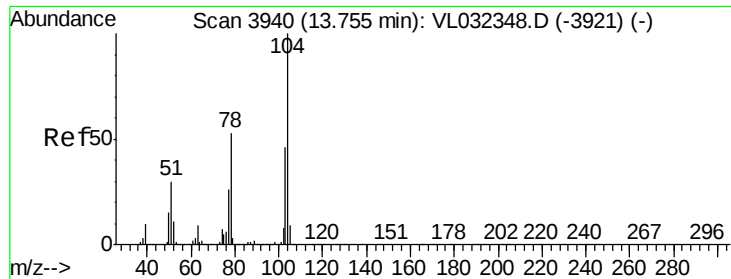
106 46.1 22.3 66.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.229 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

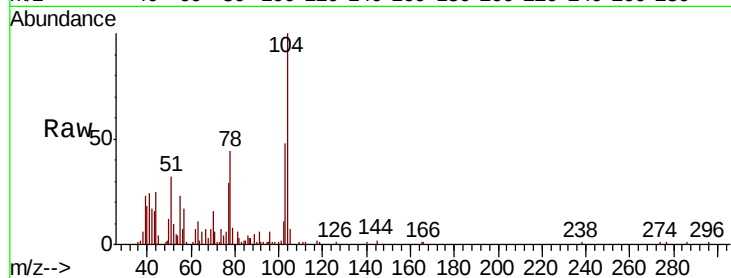
Tgt Ion: 104 Resp: 54272

Ion Ratio Lower Upper

104 100

78 57.4 42.6 64.0

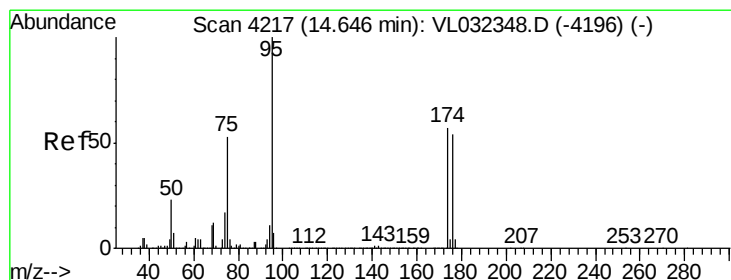
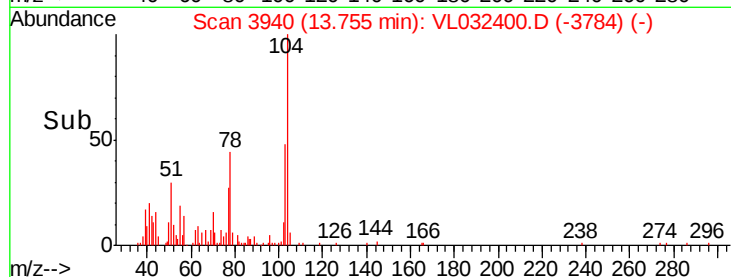
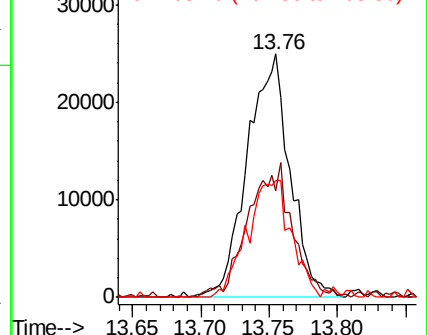
103 51.5 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.174 ppbv

RT: 14.64 min Scan# 4215

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

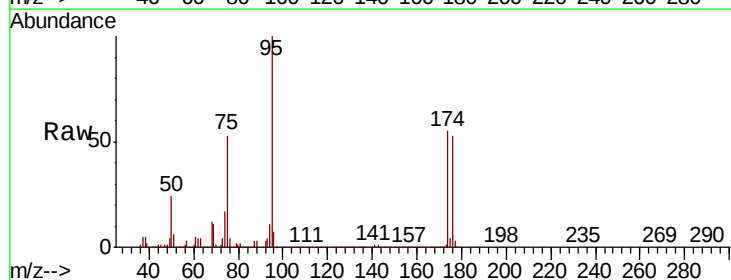
Tgt Ion: 95 Resp: 2615172

Ion Ratio Lower Upper

95 100

174 56.2 46.2 69.4

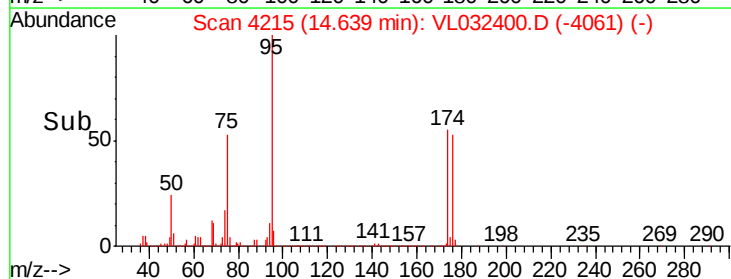
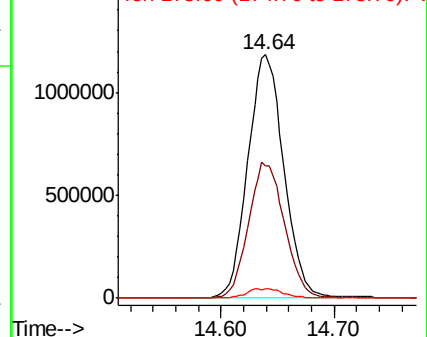
175 4.1 3.4 5.0

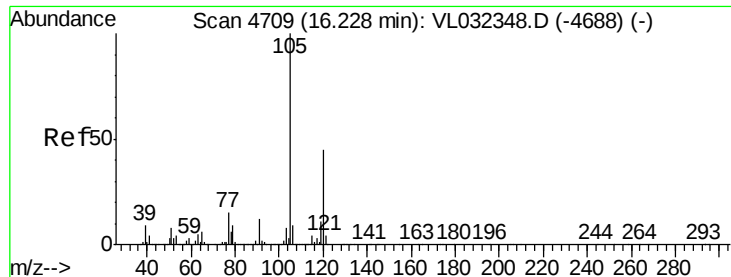


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#73

1,3,5-Trimethylbenzene

Concen: 0.057 ppbv

RT: 16.22 min Scan# 4707

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

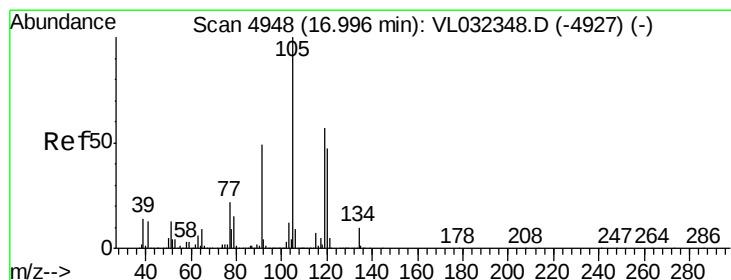
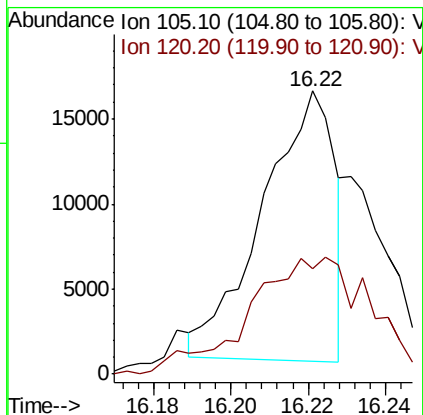
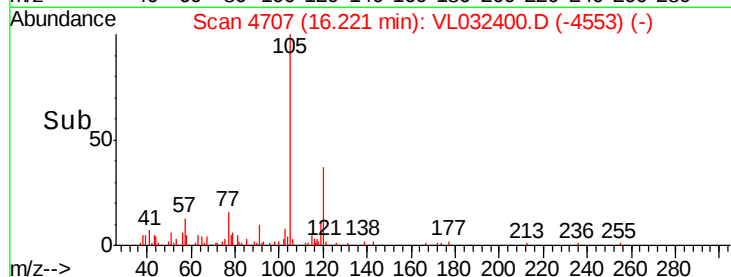
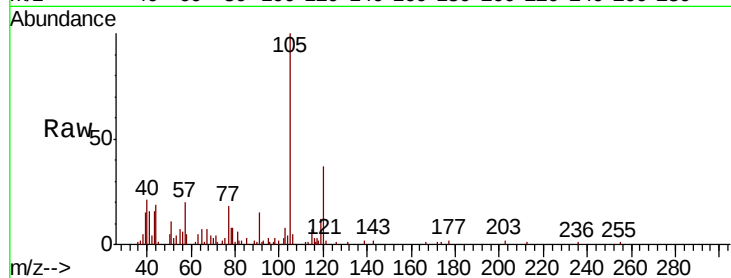
SS-1

Tgt Ion:105 Resp: 20536

Ion Ratio Lower Upper

105 100

120 34.9 36.3 54.5#



#74

1,2,4-Trimethylbenzene

Concen: 0.285 ppbv

RT: 16.99 min Scan# 4946

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Tgt Ion:105 Resp: 110010

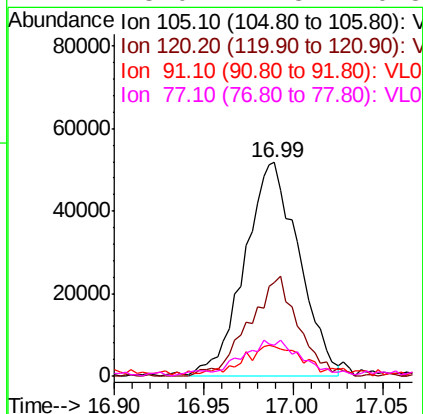
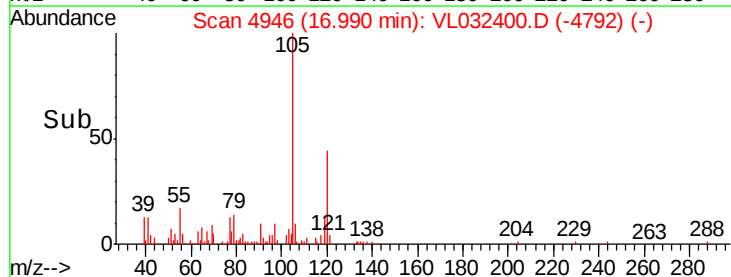
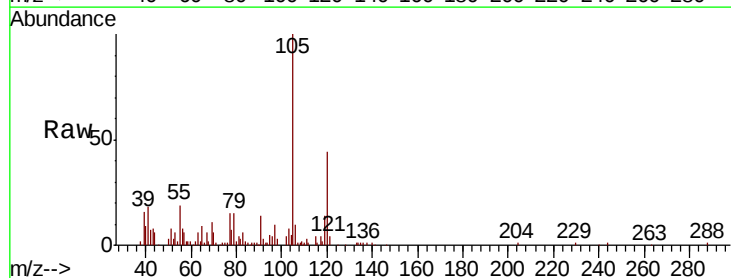
Ion Ratio Lower Upper

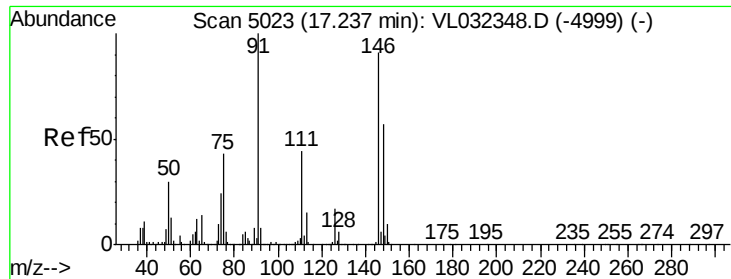
105 100

120 44.2 37.6 56.4

91 11.9 39.9 59.9#

77 13.0 17.8 26.8#





#75

1,3-Dichlorobenzene

Concen: 30.289 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. 0.14 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

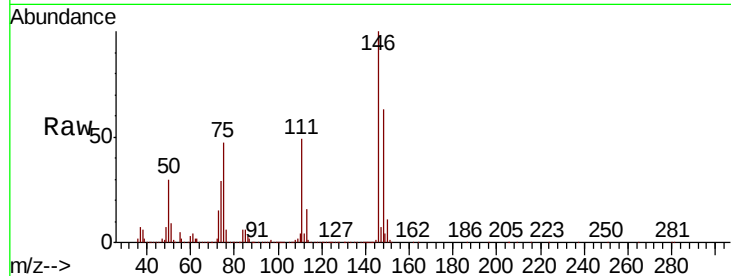
Tgt Ion:146 Resp: 7032256

Ion Ratio Lower Upper

146 100

111 48.6 24.6 73.8

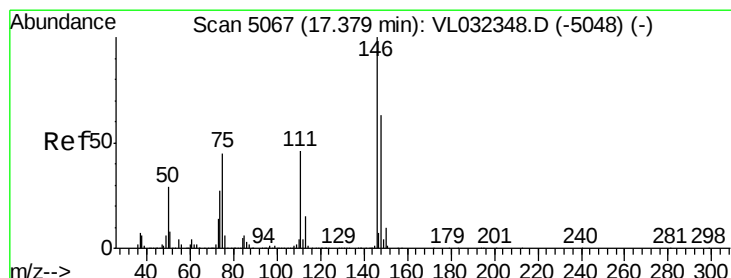
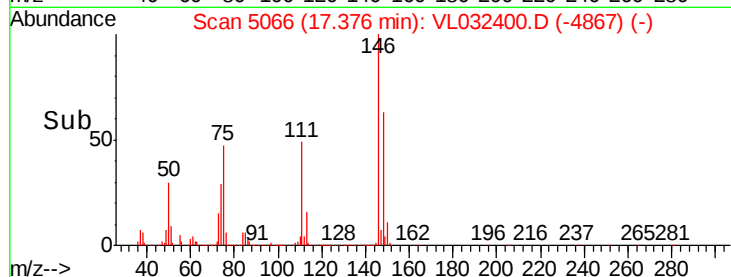
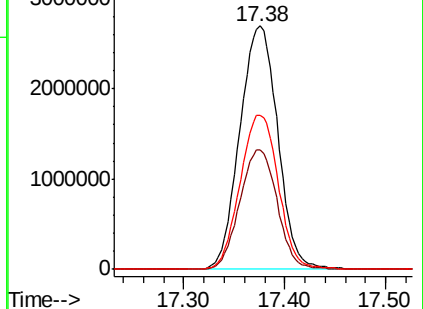
148 64.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 31.977 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. -0.00 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

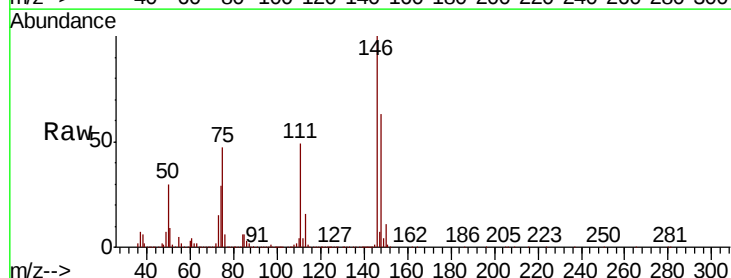
Tgt Ion:146 Resp: 7032256

Ion Ratio Lower Upper

146 100

111 48.6 23.8 71.4

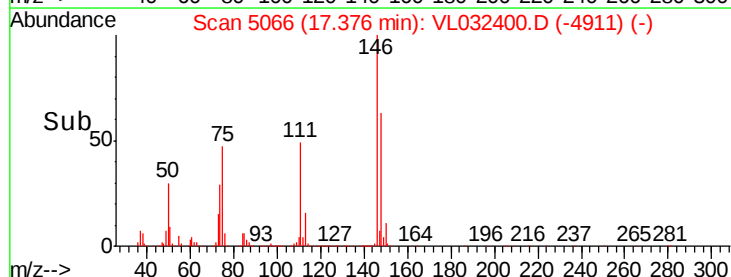
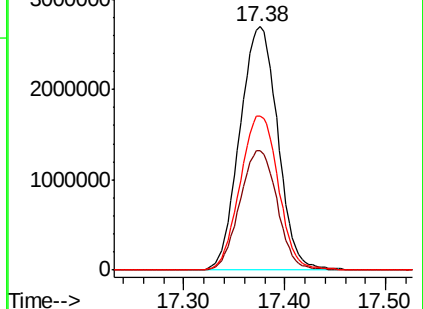
148 64.1 32.2 96.6

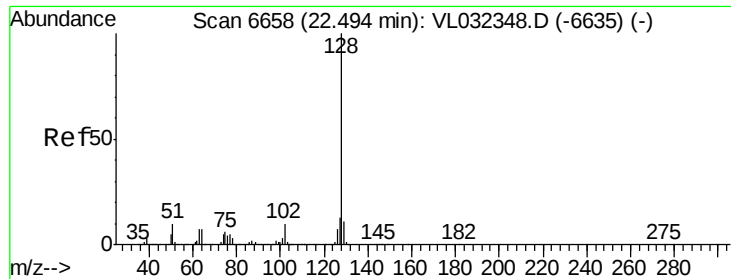


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.423 ppbv

RT: 22.48 min Scan# 6655

Delta R.T. -0.01 min

Lab File: VL032400.D

Acq: 17 Aug 2018 9:27

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tgt Ion:128 Resp: 35763

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 8.3 8.6 13.0#

