

Data File : VL034805.D
Acq On : 5 Mar 2020 21:07
Operator : SY/AP
Sample : L1698-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

Quant Time: Mar 06 03:47:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	610860	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	912960	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.18	117	1082539	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1400969	15.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	155.20%#

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.99	51	46673	0.671	ppbv #	58
4) Chloromethane	3.12	50	49947	1.332	ppbv #	46
5) Vinyl Chloride	3.22	62	90173	2.277	ppbv	100
7) Chloroethane	3.53	64	24621	1.798	ppbv #	88
8) Dichlorotetrafluoroethane	3.56	85	421784	4.870	ppbv #	20
9) Propene	2.97	41	557594	20.355	ppbv	84
10) Heptane	8.25	43	2958757	42.500	ppbv #	41
11) Trichlorofluoromethane	3.93	101	209145	2.345	ppbv	98
13) Ethanol	3.58	45	80574	8.585	ppbv	91
15) Acetone	3.82	43	1335140	18.252	ppbv #	49
16) 1,3-Butadiene	3.32	39	3108326	93.917	ppbv #	11
17) tert-Butyl alcohol	4.28	59	367714	6.375	ppbv #	71
19) Isopropyl Alcohol	3.95	45	91588	2.090	ppbv #	93
20) Methylene Chloride	4.29	84	283298	10.851	ppbv #	6
21) Allyl Chloride	4.37	41	4821533	104.083	ppbv #	64
23) Vinyl Acetate	5.09	43	16273908	165.908	ppbv #	1
24) 1,1-Dichloroethane	5.01	63	89808	1.180	ppbv	98
25) Ethyl Acetate	5.74	43	10226998	80.905	ppbv #	77
26) Hexane	5.74	57	12939283	234.310	ppbv #	42
27) Carbon Disulfide	4.54	76	113696	1.762	ppbv #	69
28) Methyl tert-Butyl Ether	5.04	73	50593	0.616	ppbv #	52
29) Chloroform	5.70	83	4725	0.051	ppbv #	1
30) Cyclohexane	7.21	84	13088370	309.801	ppbv #	79
34) 2-Butanone	5.16	43	22763618	383.259	ppbv #	76
36) Benzene	6.93	78	228247	2.926	ppbv #	63
37) 1,2-Dichloroethane	6.39	62	179940	3.377	ppbv #	84
39) 1,2-Dichloropropane	7.69	63	12388	0.393	ppbv #	1
41) Tetrahydrofuran	6.03	42	141554	4.671	ppbv #	36
42) Bromodichloromethane	7.89	83	3048899	45.221	ppbv #	26
43) Methyl Methacrylate	7.96	69	2486911	75.228	ppbv #	1
44) 2,2,4-Trimethylpentane	8.01	57	38792396	284.548	ppbv #	25
46) cis-1,3-Dichloropropene	8.77	75	1385	0.033	ppbv #	1
47) 1,1,2-Trichloroethane	9.57	97	759784	22.858	ppbv #	1
50) 4-Methyl-2-Pentanone	8.77	43	112516	1.322	ppbv #	1
51) 2-Hexanone	10.19	43	5198335	77.867	ppbv #	36
52) Tetrachloroethene	11.33	164	14194	0.492	ppbv #	76
53) Toluene	10.08	91	31218	0.378	ppbv	95
57) Chlorobenzene	12.24	112	4018	0.049	ppbv #	27
59) m/p-Xylene	13.09	91	12686	0.110	ppbv #	31
60) o-Xylene	13.77	91	38529	0.330	ppbv	84
63) 1,1,2,2-Tetrachloroethane	13.77	83	317637	3.449	ppbv #	24

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030520\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
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Response via : Initial Calibration

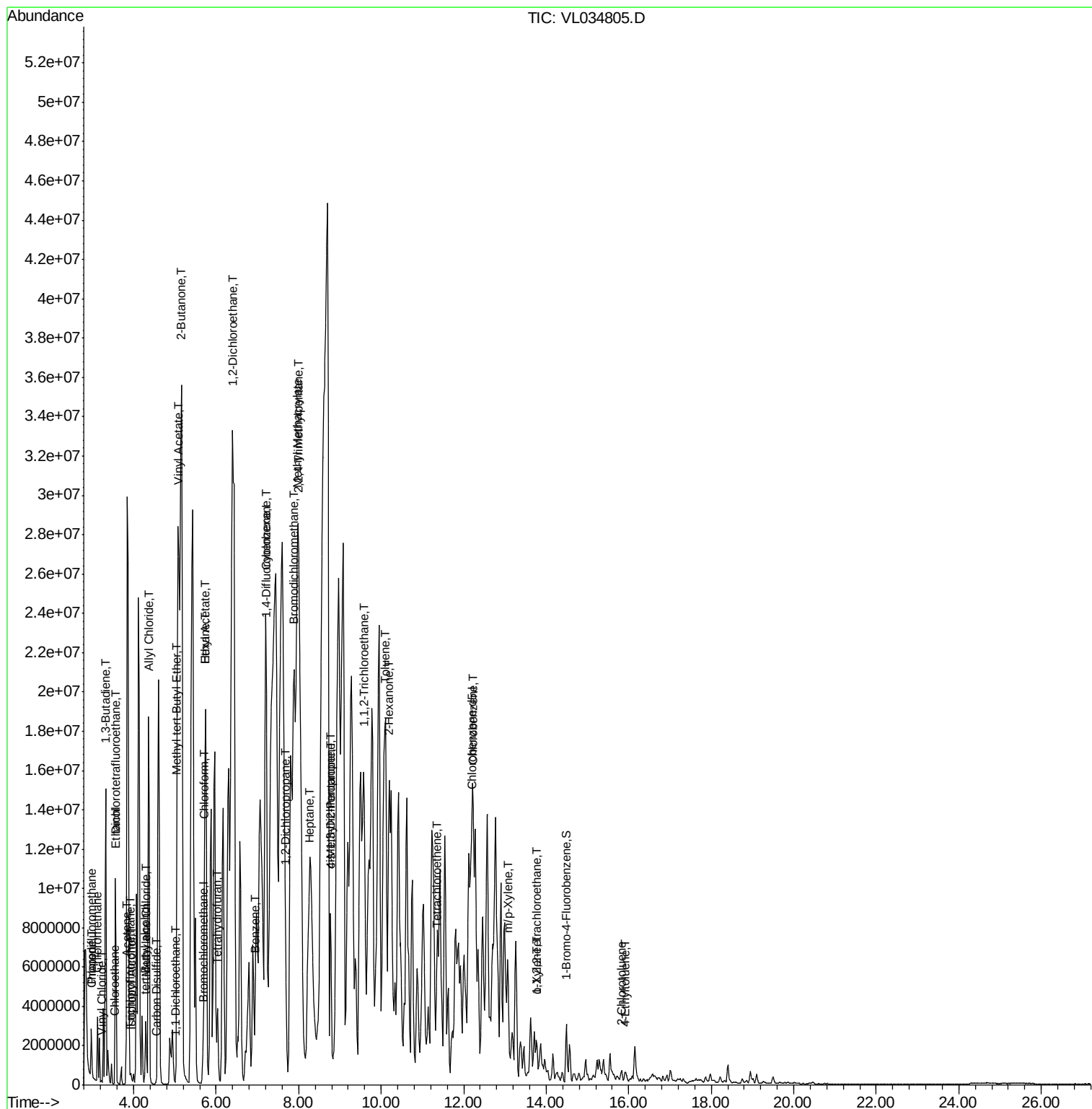
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.83	91	58641	0.451	ppbv	71
72) 4-Ethyltoluene	15.91	105	4883	0.038	ppbv #	1

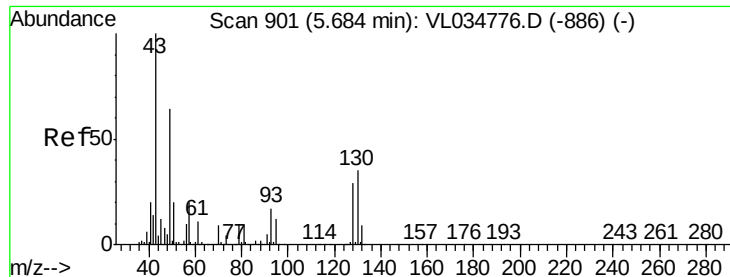
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034805.D

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MSVOA_L

ClientSampleId :

SS-5-4

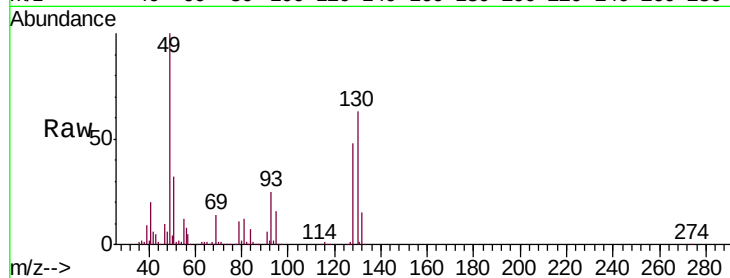
Tgt Ion: 49 Resp: 610860

Ion Ratio Lower Upper

49 100

128 48.3 21.6 64.6

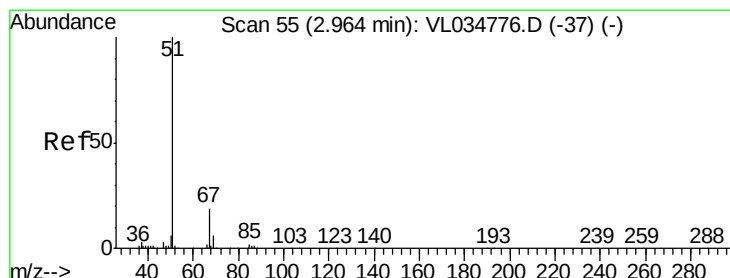
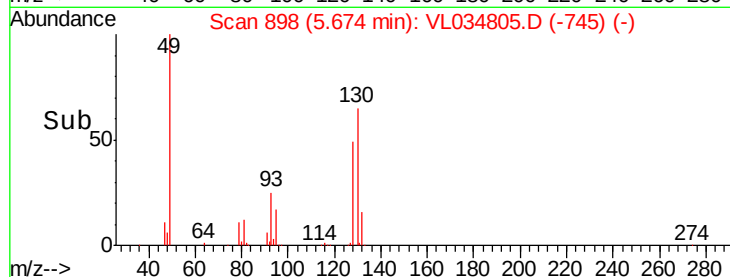
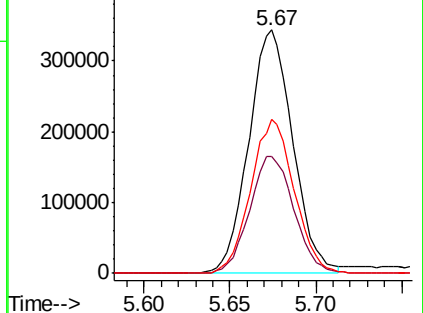
130 62.4 27.4 82.2



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



#3

Chlorodifluoromethane

Concen: 0.671 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.03 min

Lab File: VL034805.D

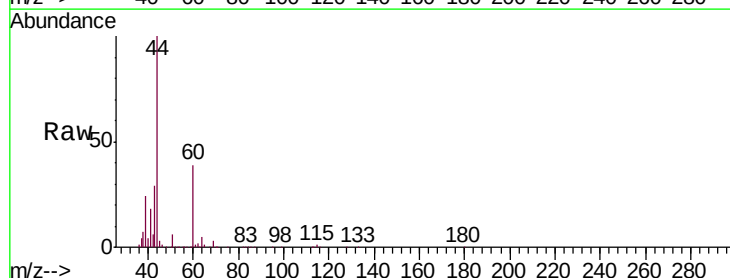
Acq: 5 Mar 2020 21:07

Tgt Ion: 51 Resp: 46673

Ion Ratio Lower Upper

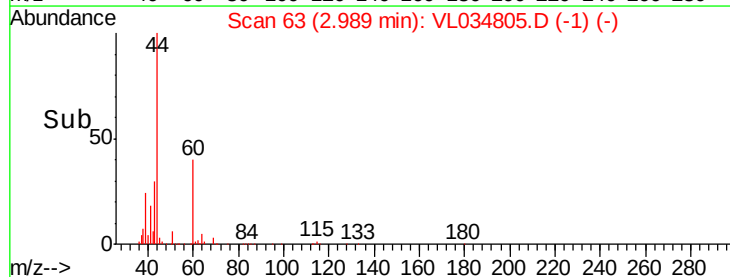
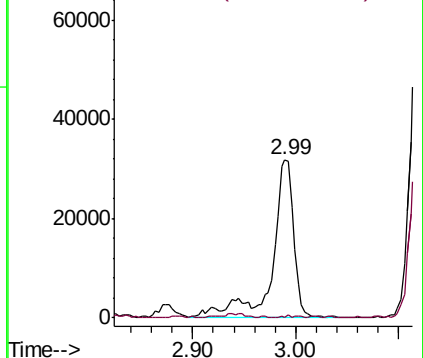
51 100

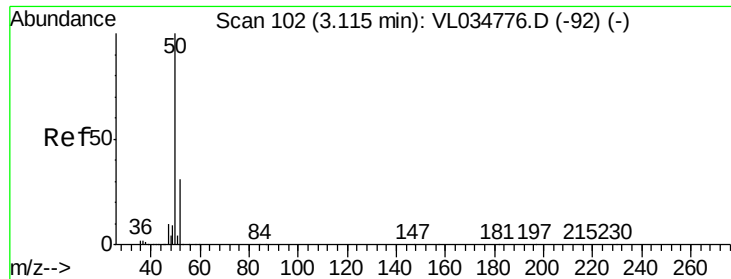
67 0.0 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 1.332 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

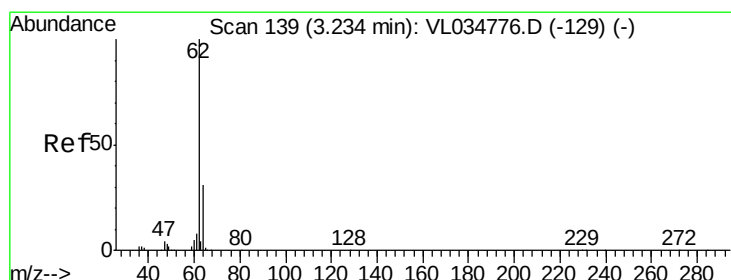
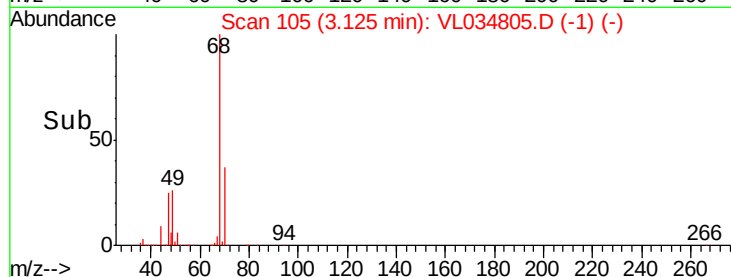
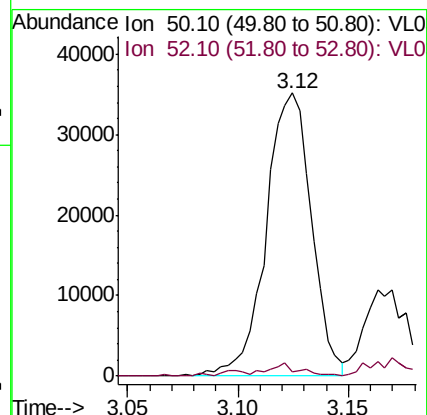
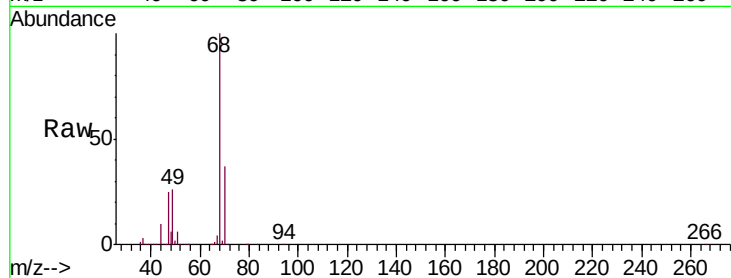
SS-5-4

Tgt Ion: 50 Resp: 49947

Ion Ratio Lower Upper

50 100

52 1.6 25.0 37.4#



#5

Vinyl Chloride

Concen: 2.277 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.02 min

Lab File: VL034805.D

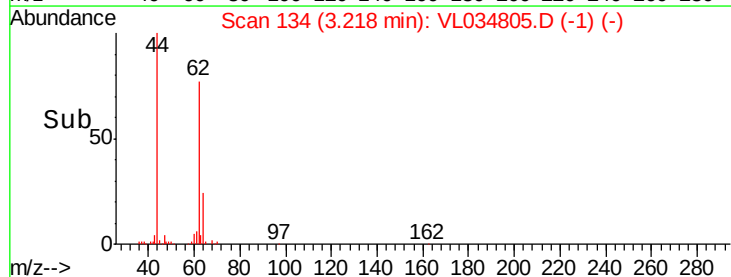
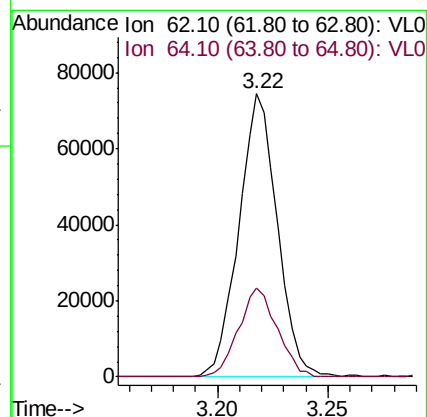
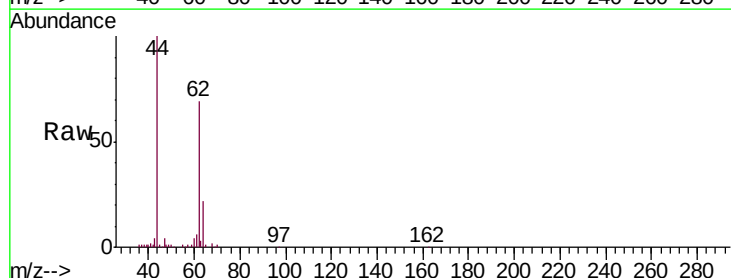
Acq: 5 Mar 2020 21:07

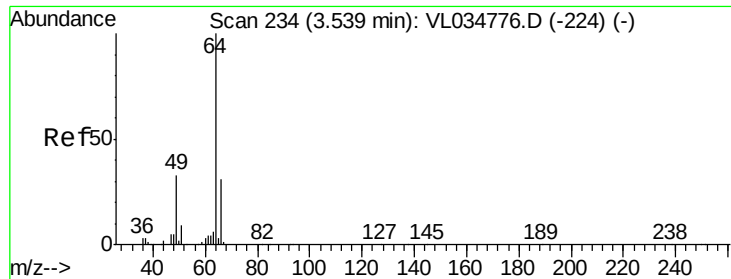
Tgt Ion: 62 Resp: 90173

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#7

Chloroethane

Concen: 1.798 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

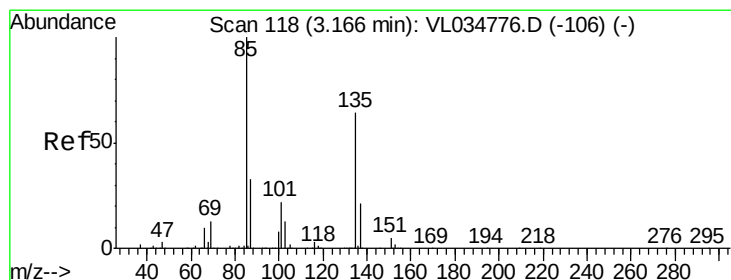
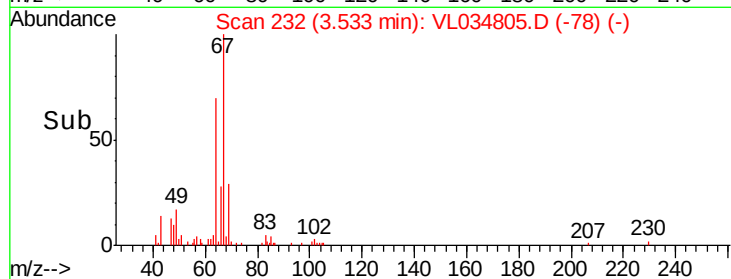
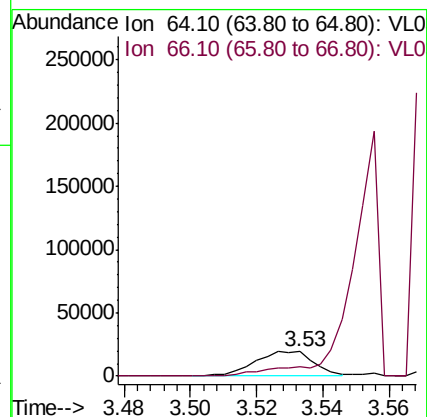
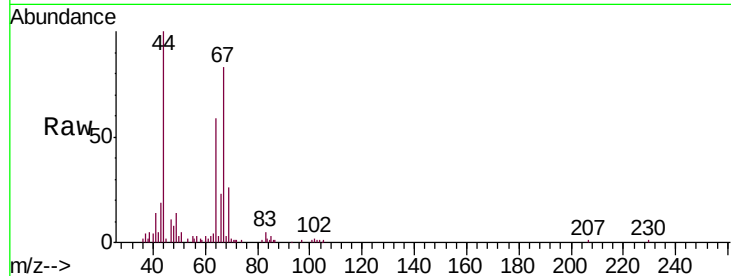
SS-5-4

Tgt Ion: 64 Resp: 24621

Ion Ratio Lower Upper

64 100

66 37.5 24.8 37.2#



#8

Dichlorotetrafluoroethane

Concen: 4.870 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.40 min

Lab File: VL034805.D

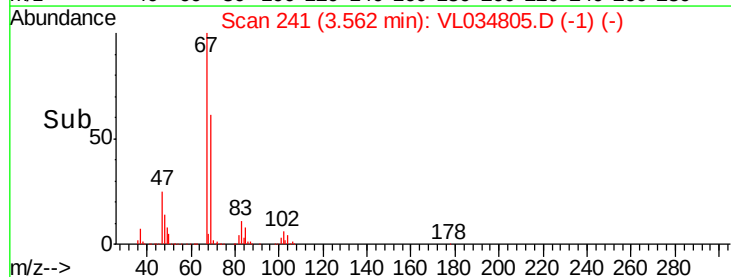
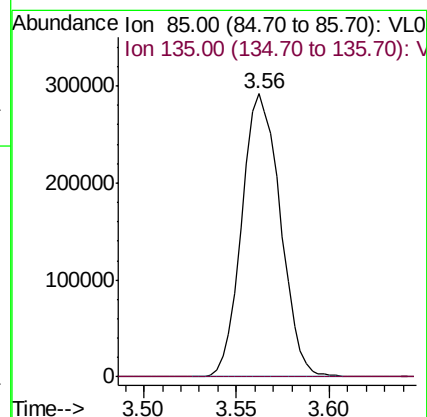
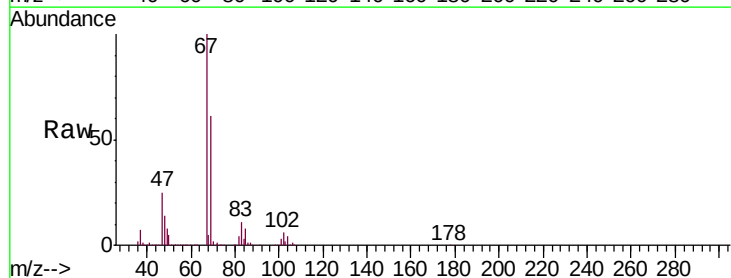
Acq: 5 Mar 2020 21:07

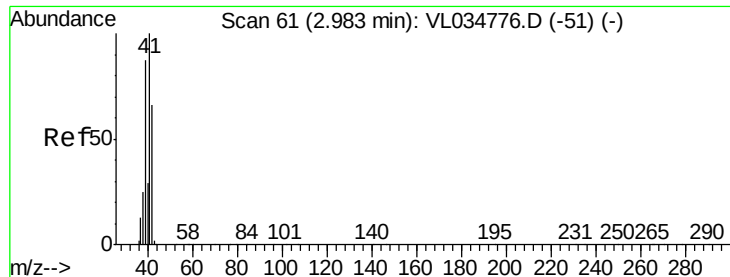
Tgt Ion: 85 Resp: 421784

Ion Ratio Lower Upper

85 100

135 0.0 49.4 74.2#





#9

Propene

Concen: 20.355 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

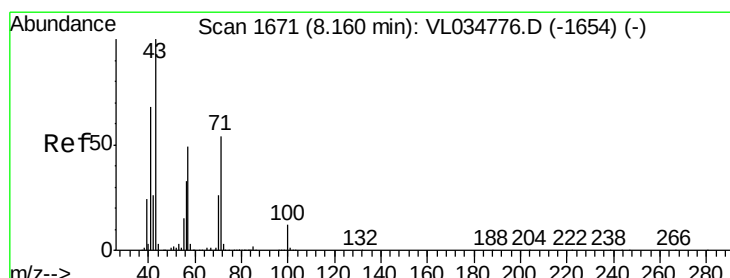
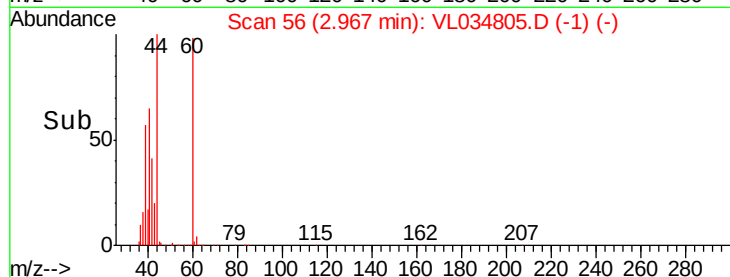
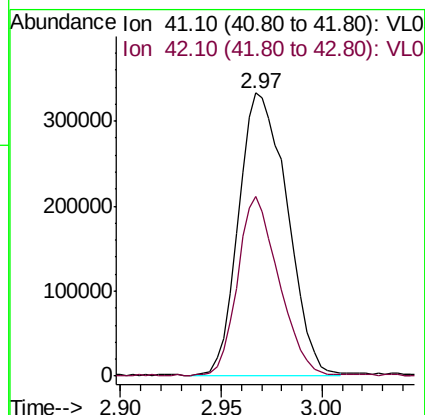
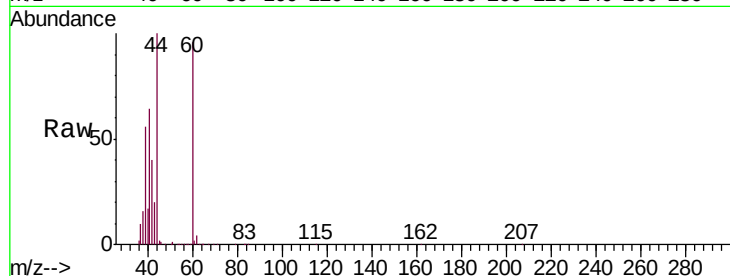
SS-5-4

Tgt Ion: 41 Resp: 557594

Ion Ratio Lower Upper

41 100

42 56.2 55.6 83.4



#10

Heptane

Concen: 42.500 ppbv

RT: 8.25 min Scan# 1698

Delta R.T. 0.09 min

Lab File: VL034805.D

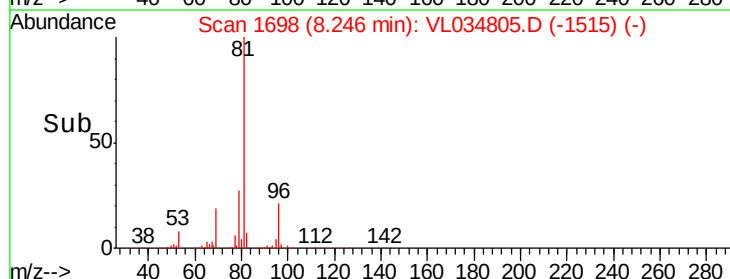
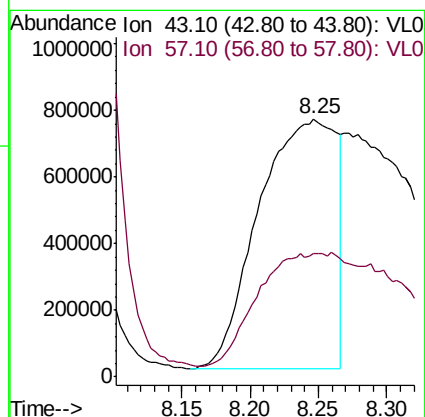
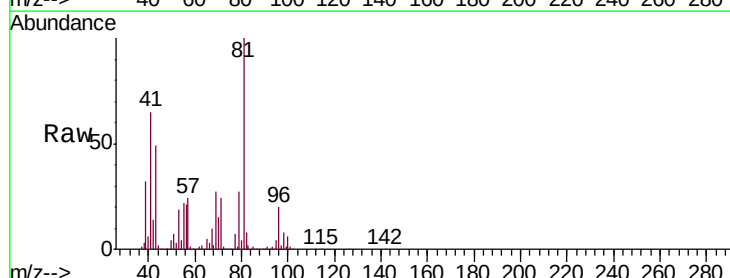
Acq: 5 Mar 2020 21:07

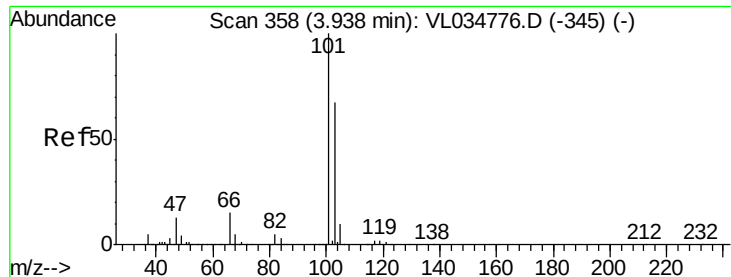
Tgt Ion: 43 Resp: 2958757

Ion Ratio Lower Upper

43 100

57 91.2 40.5 60.7#





#11

Trichlorofluoromethane

Concen: 2.345 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

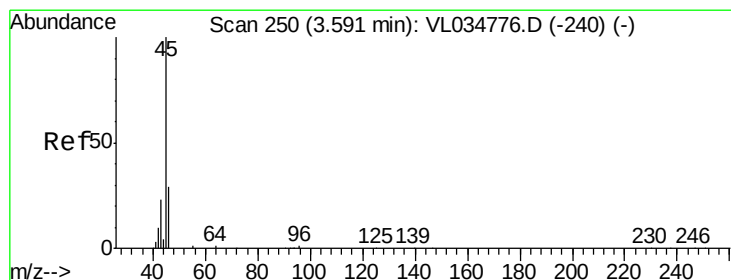
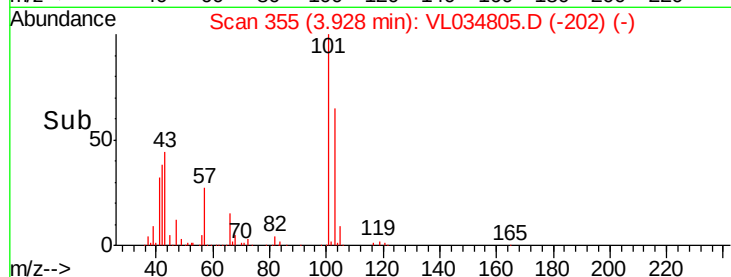
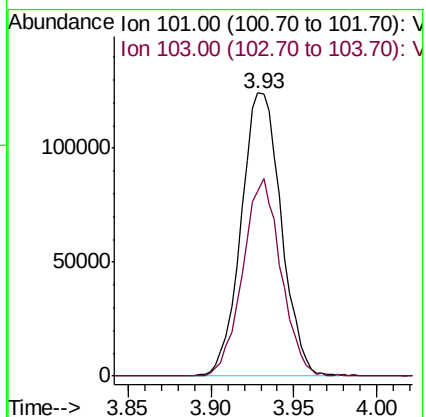
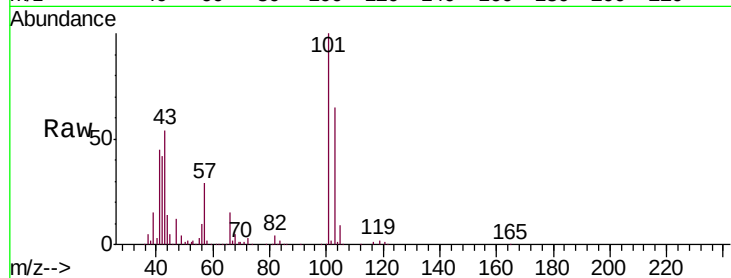
SS-5-4

Tgt Ion: 101 Resp: 209145

Ion Ratio Lower Upper

101 100

103 65.3 53.6 80.4



#13

Ethanol

Concen: 8.585 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.01 min

Lab File: VL034805.D

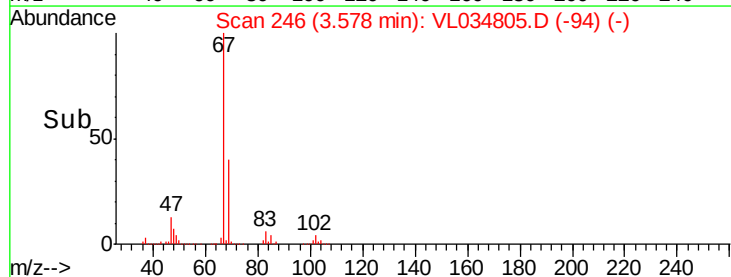
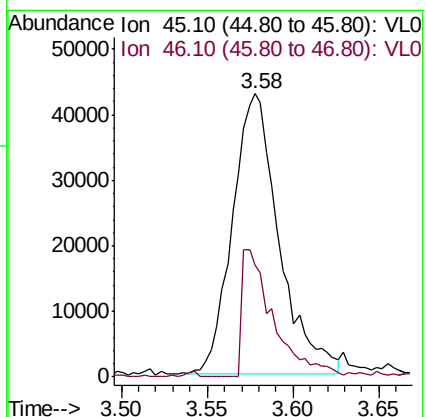
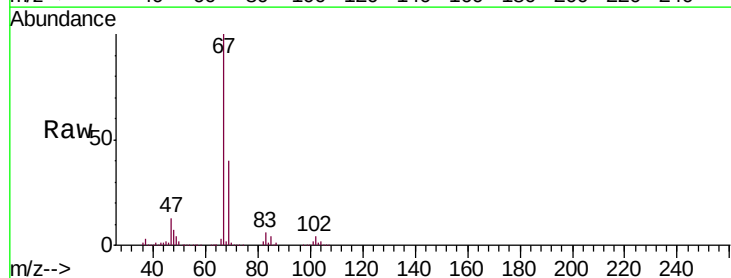
Acq: 5 Mar 2020 21:07

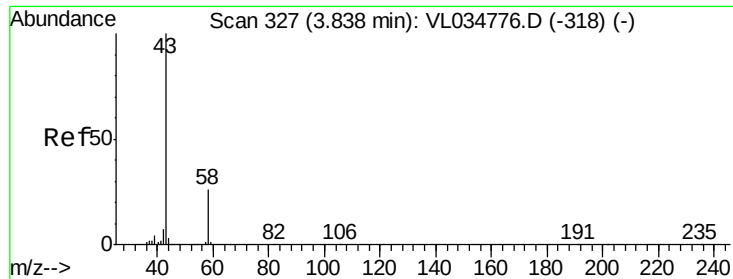
Tgt Ion: 45 Resp: 80574

Ion Ratio Lower Upper

45 100

46 31.5 14.7 58.9





#15

Acetone

Concen: 18.252 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

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ClientSampleId :

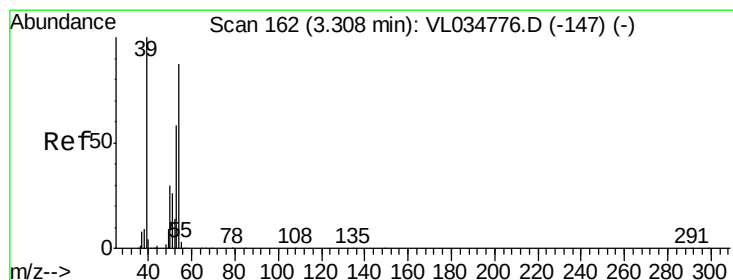
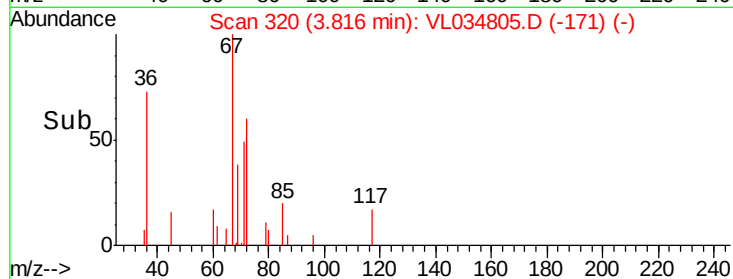
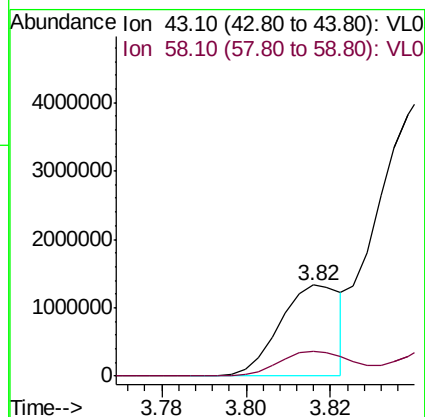
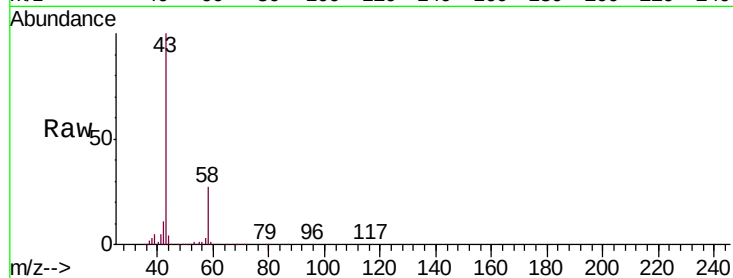
SS-5-4

Tgt Ion: 43 Resp: 1335140

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.6#



#16

1,3-Butadiene

Concen: 93.917 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL034805.D

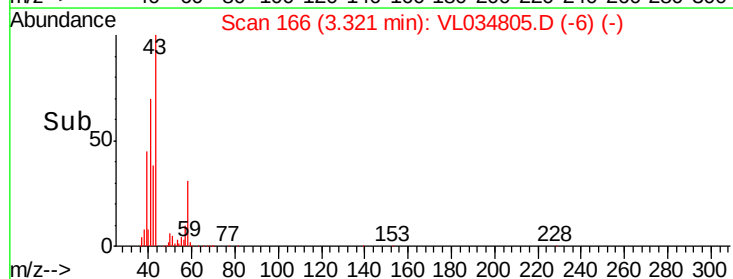
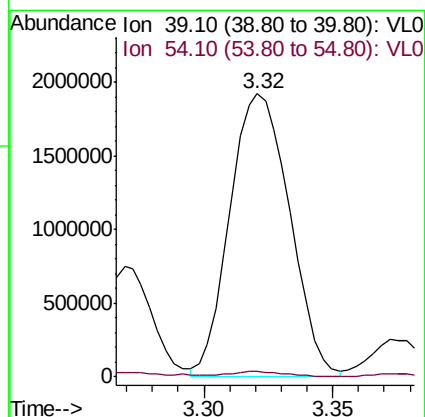
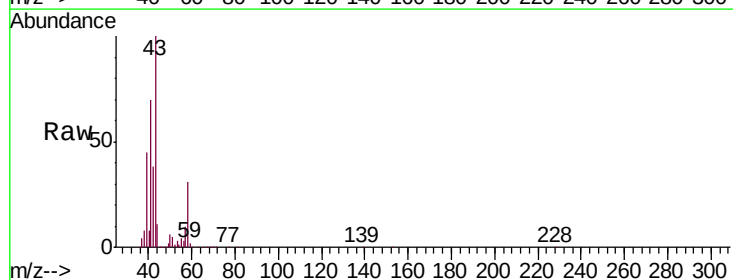
Acq: 5 Mar 2020 21:07

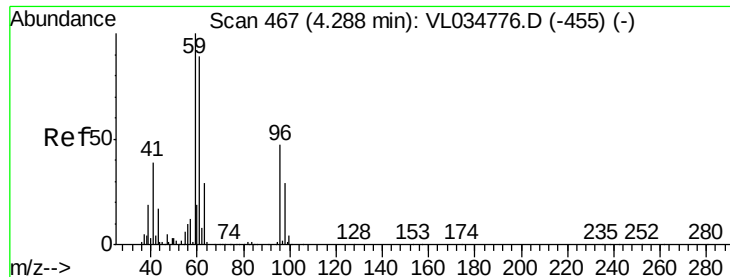
Tgt Ion: 39 Resp: 3108326

Ion Ratio Lower Upper

39 100

54 1.7 64.2 96.2#



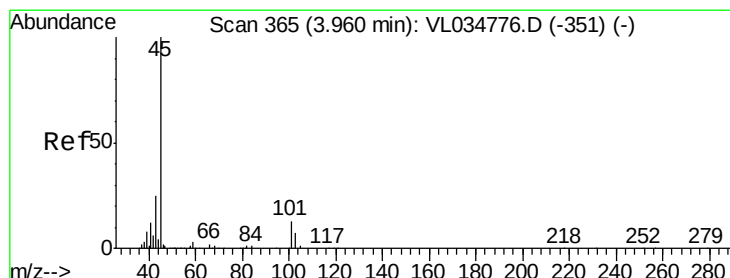
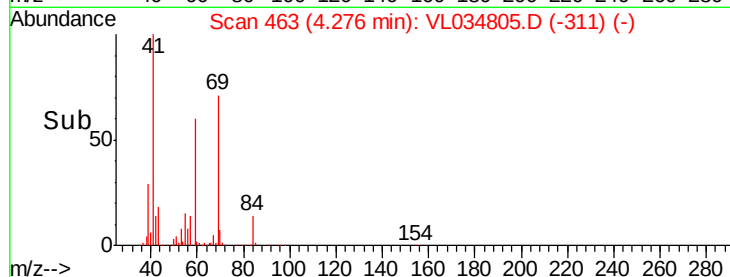
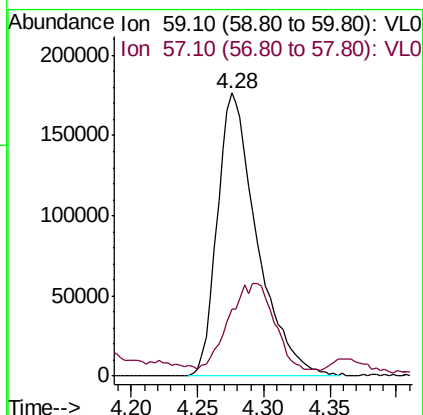
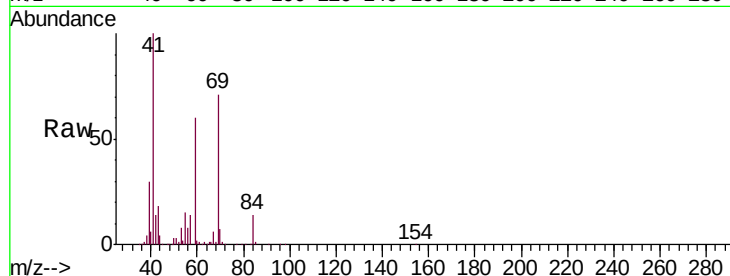


#17

tert-Butyl alcohol
Concen: 6.375 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

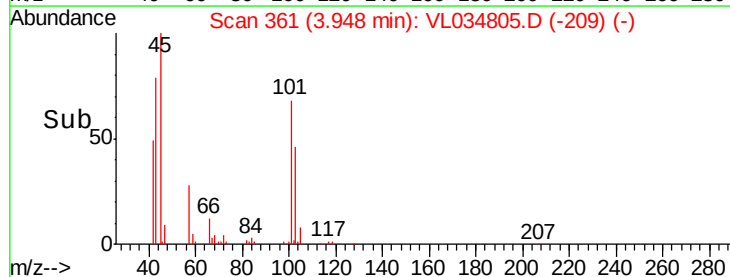
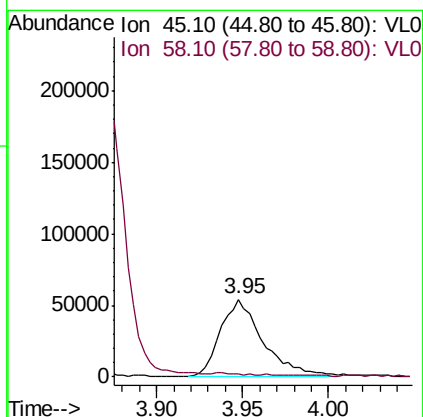
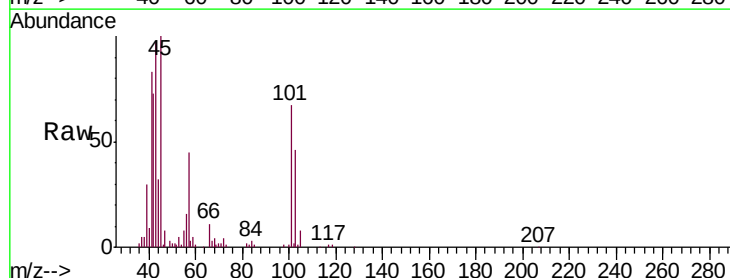
Tgt Ion: 59 Resp: 367714
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

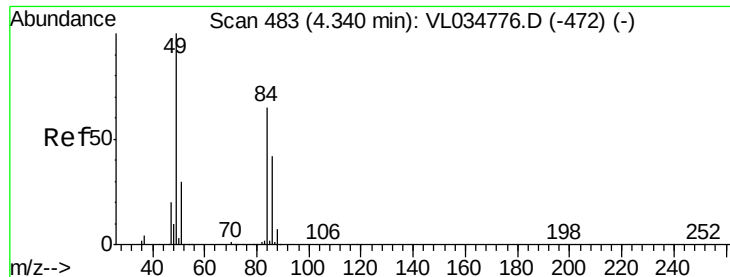


#19

Isopropyl Alcohol
Concen: 2.090 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 45 Resp: 91588
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#

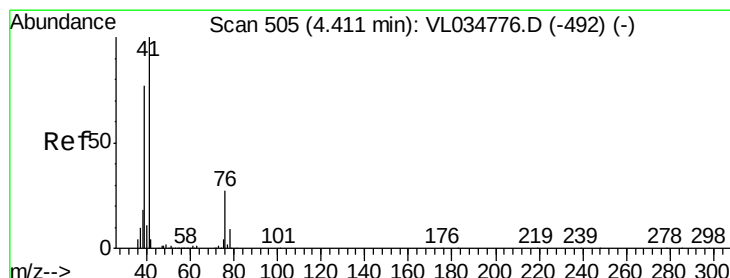
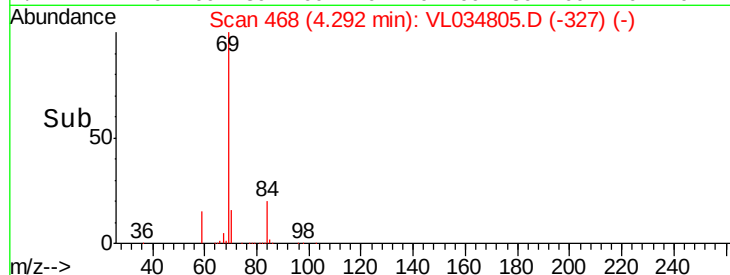
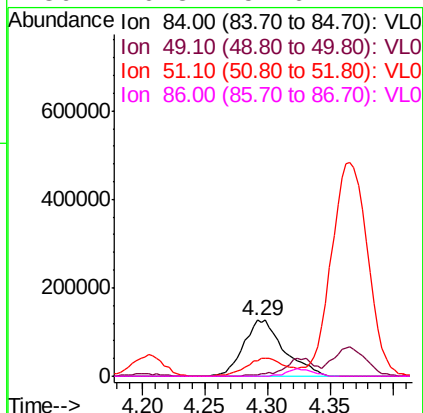
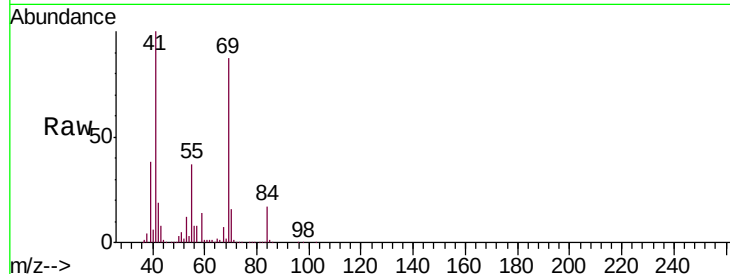




#20
Methylene Chloride
Concen: 10.851 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

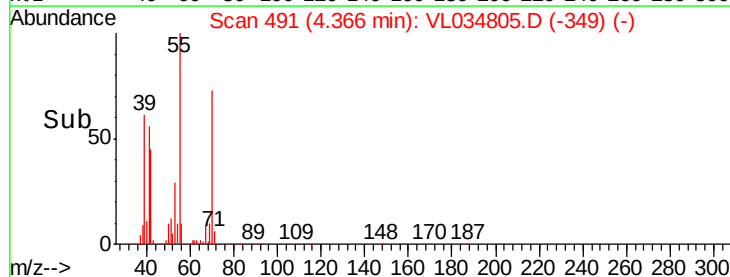
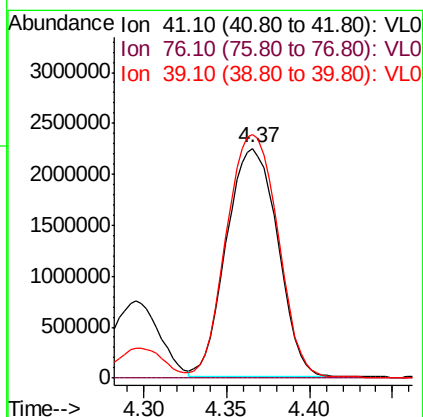
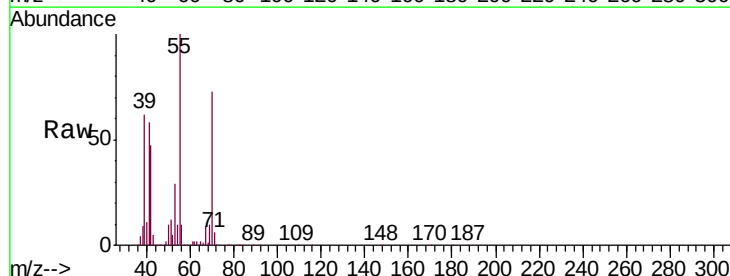
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

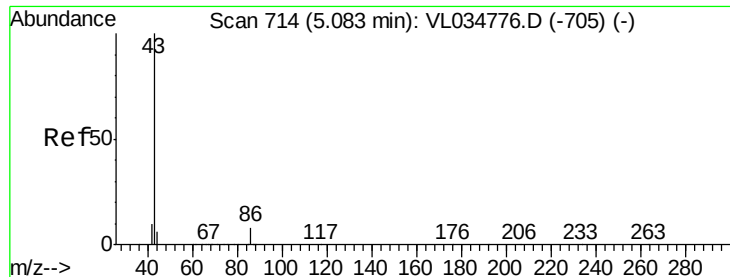
Tgt Ion: 84 Resp: 283298
Ion Ratio Lower Upper
84 100
49 1.8 123.2 184.8#
51 27.0 37.4 56.2#
86 0.3 51.6 77.4#



#21
Allyl Chloride
Concen: 104.083 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.04 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 41 Resp: 4821533
Ion Ratio Lower Upper
41 100
76 0.0 22.5 33.7#
39 107.9 65.0 97.6#





#23

Vinyl Acetate

Concen: 165.908 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

Tgt Ion: 43 Resp:16273908

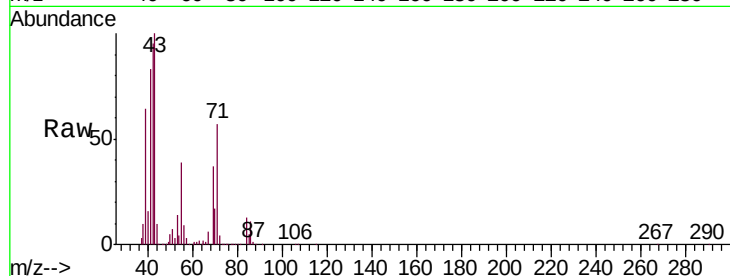
Ion Ratio Lower Upper

43 100

86 11.5 5.9 8.9#

42 94.7 8.2 12.2#

44 10.2 4.5 6.7#

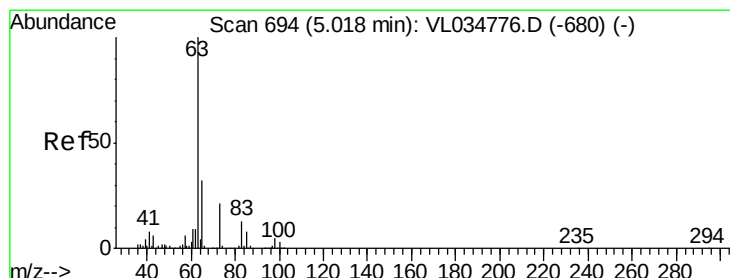
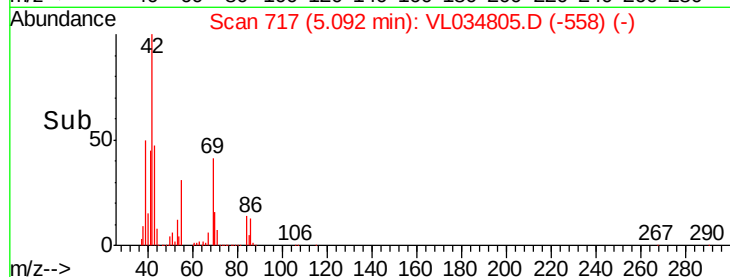
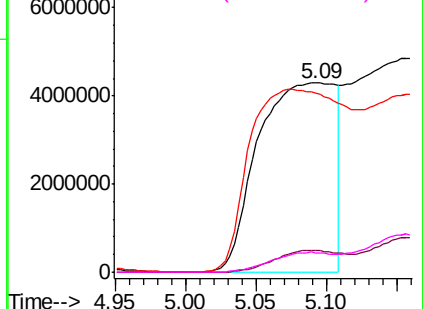


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.180 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

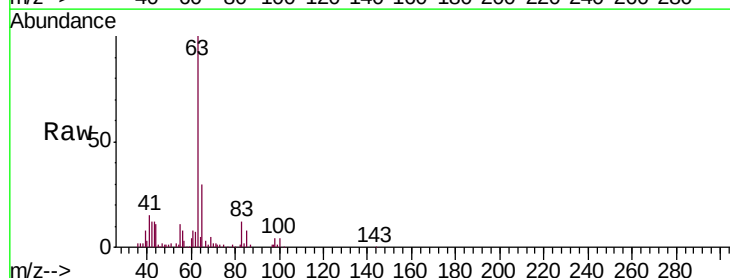
Tgt Ion: 63 Resp: 89808

Ion Ratio Lower Upper

63 100

98 3.6 2.3 6.8

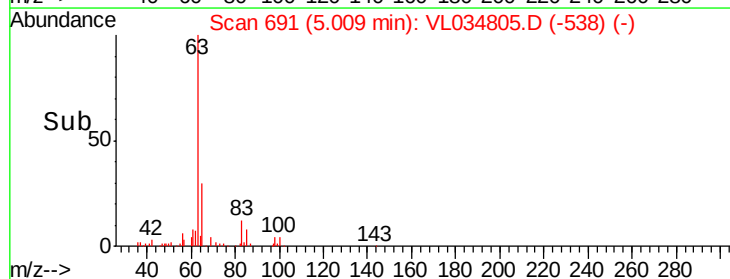
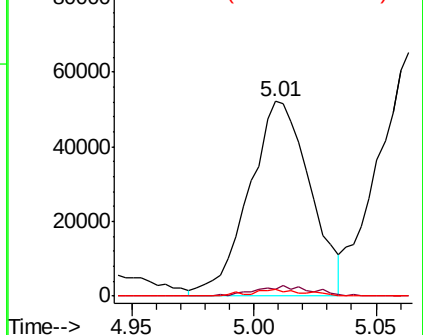
100 3.6 1.5 4.4

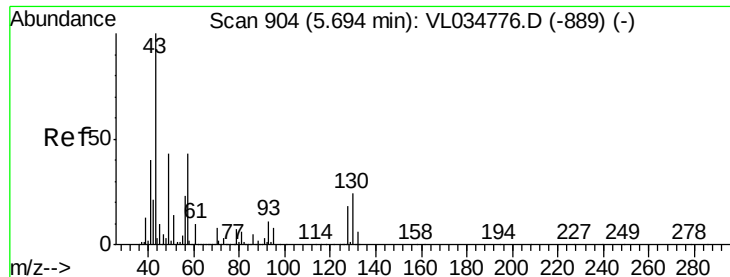


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

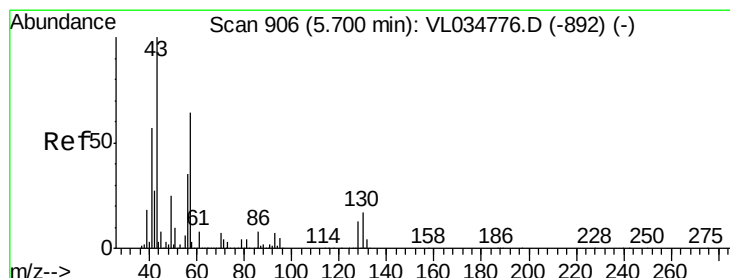
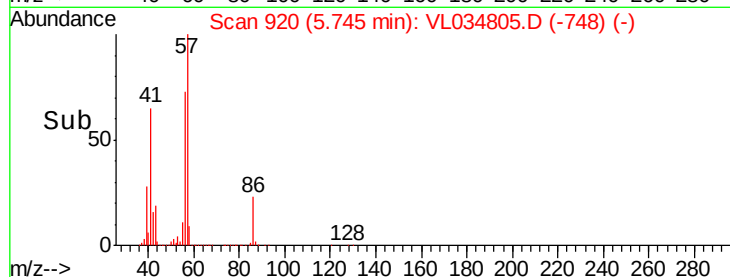
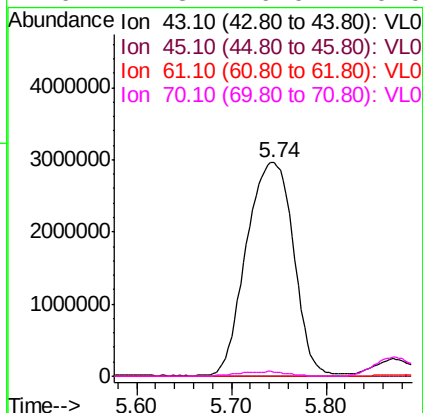
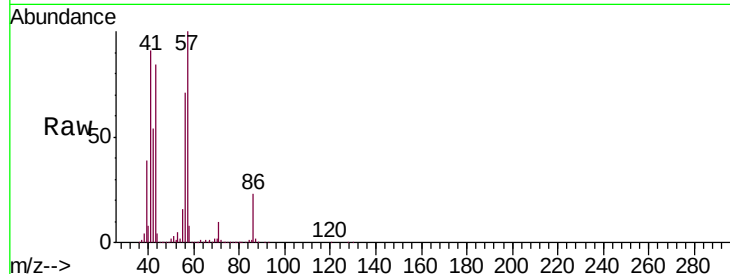




#25
Ethyl Acetate
Concen: 80.905 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

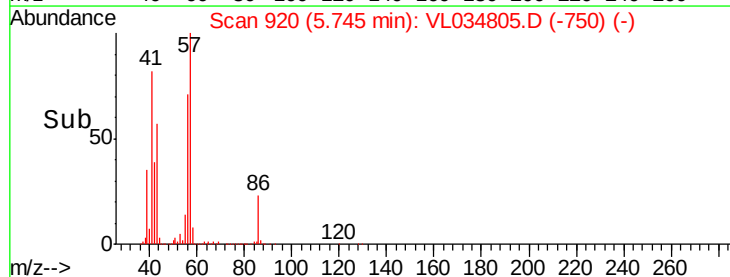
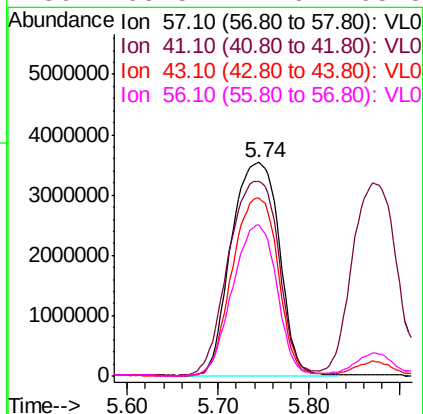
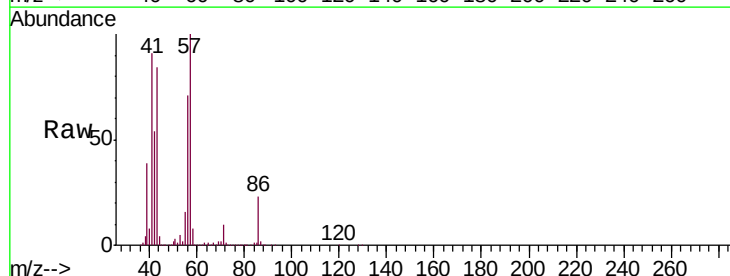
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

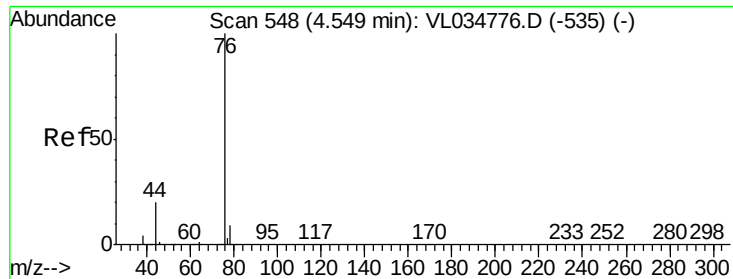
Tgt Ion: 43 Resp:10226998
Ion Ratio Lower Upper
43 100
45 0.2 8.2 12.4#
61 0.2 7.5 11.3#
70 2.3 6.0 9.0#



#26
Hexane
Concen: 234.310 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 57 Resp:12939283
Ion Ratio Lower Upper
57 100
41 95.6 72.0 108.0
43 79.1 179.1 268.7#
56 65.5 42.6 63.8#





#27

Carbon Disulfide

Concen: 1.762 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

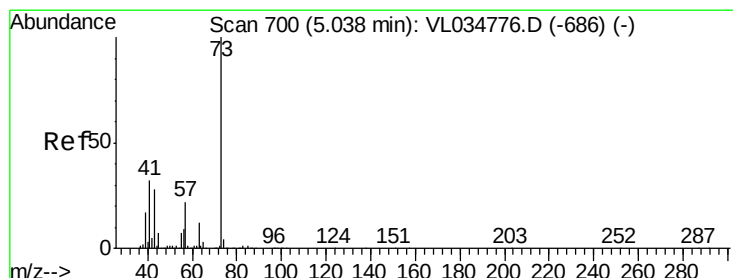
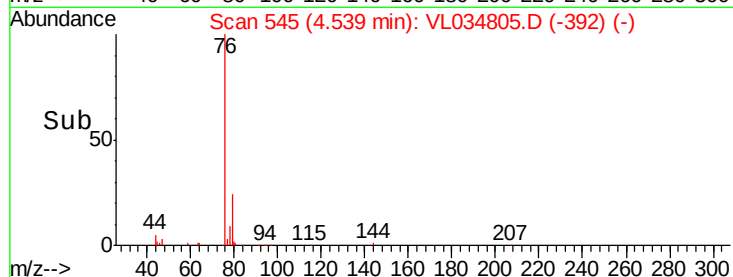
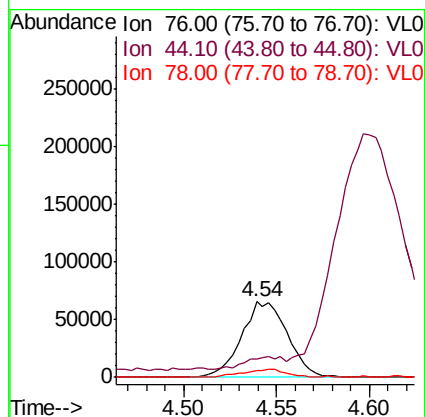
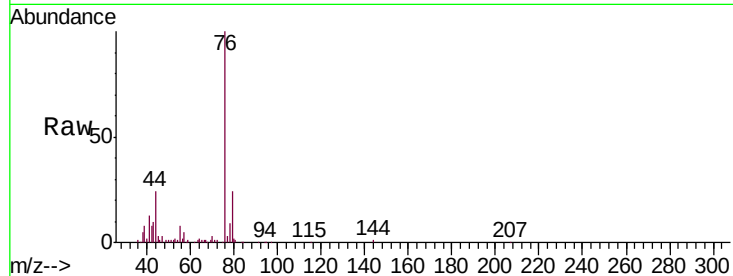
Tgt Ion: 76 Resp: 113696

Ion Ratio Lower Upper

76 100

44 0.0 16.1 24.1#

78 11.1 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 0.616 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL034805.D

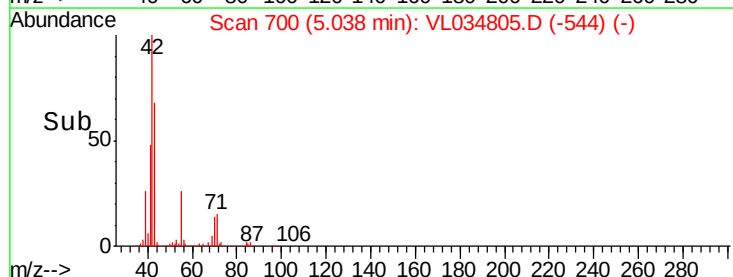
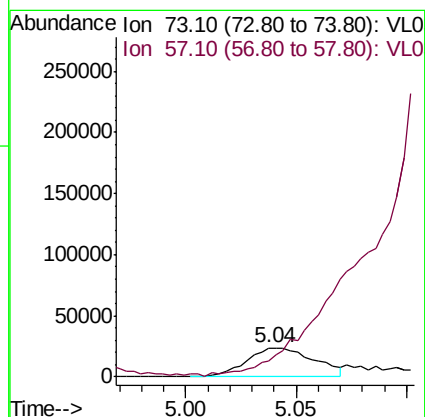
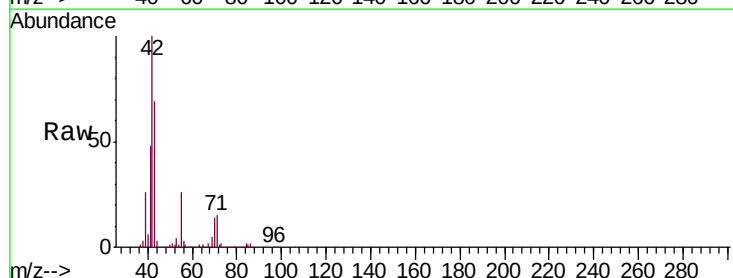
Acq: 5 Mar 2020 21:07

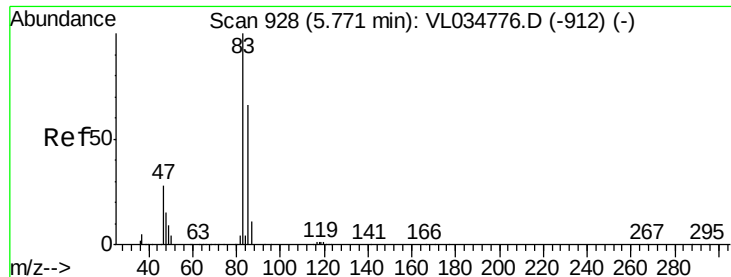
Tgt Ion: 73 Resp: 50593

Ion Ratio Lower Upper

73 100

57 0.0 18.5 27.7#

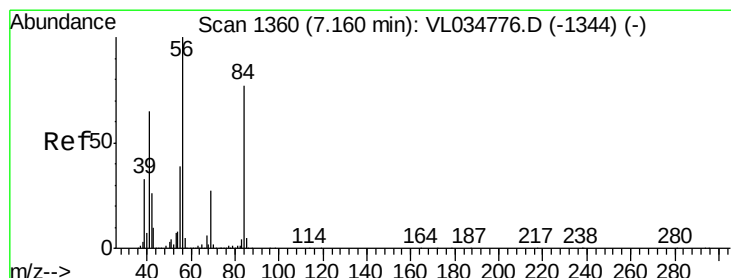
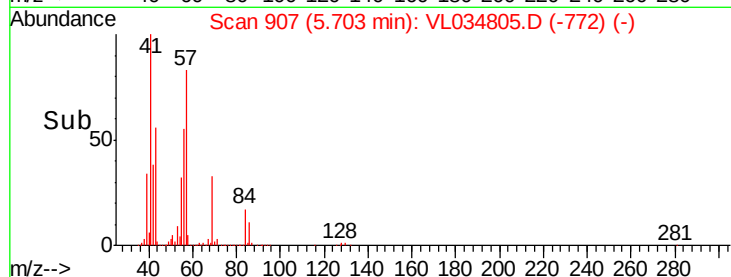
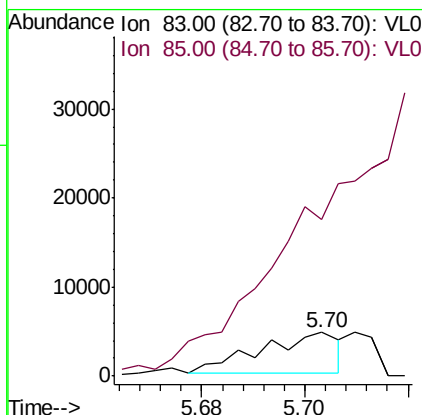
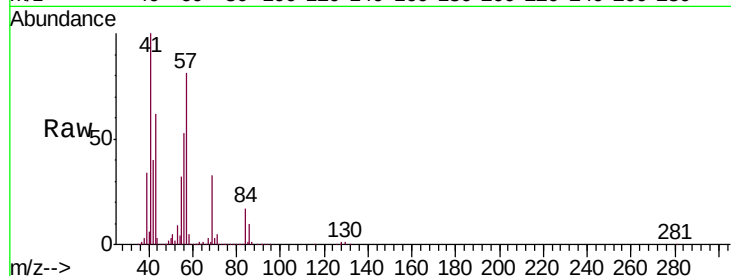




#29
Chloroform
Concen: 0.051 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.07 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

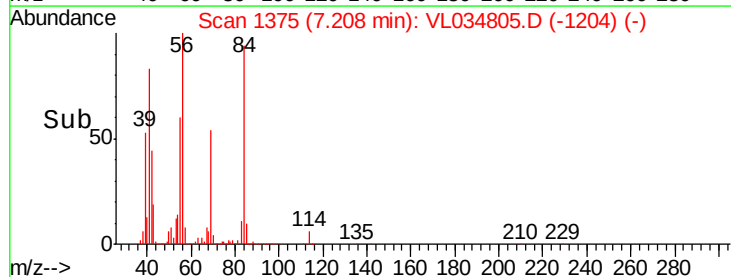
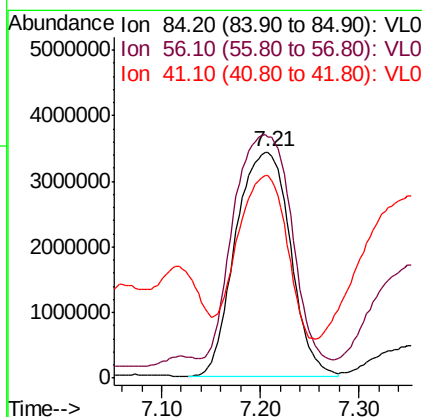
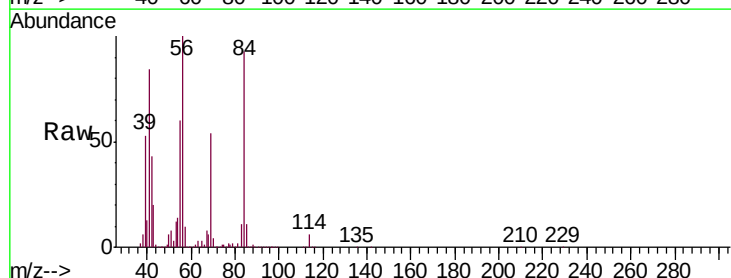
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

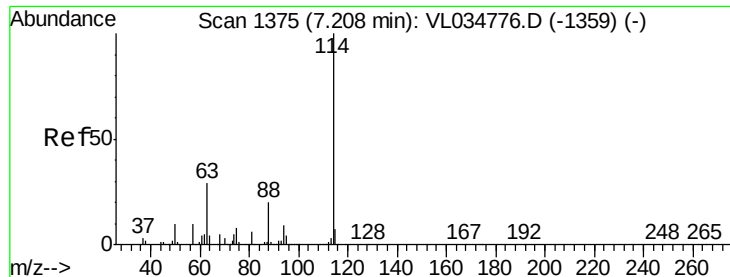
Tgt Ion: 83 Resp: 4725
Ion Ratio Lower Upper
83 100
85 304.2 53.0 79.4#



#30
Cyclohexane
Concen: 309.801 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 84 Resp:13088370
Ion Ratio Lower Upper
84 100
56 117.9 113.2 169.8
41 65.3 70.2 105.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampled :

SS-5-4

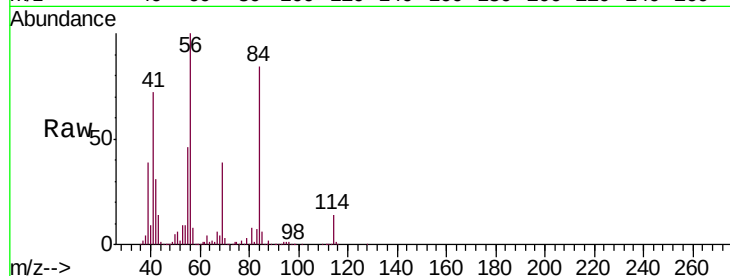
Tgt Ion:114 Resp: 912960

Ion Ratio Lower Upper

114 100

63 40.8 23.6 35.4#

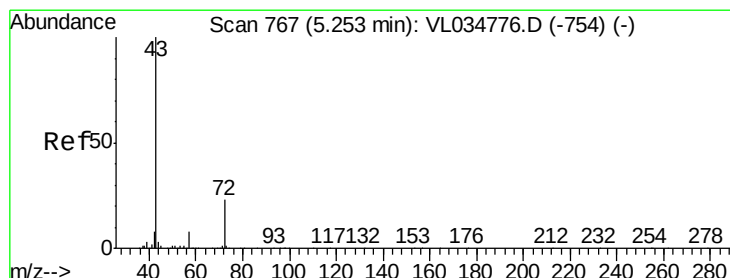
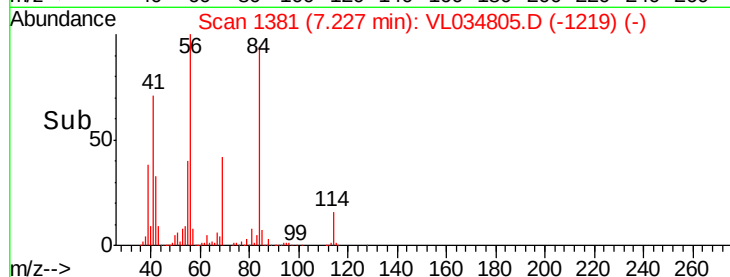
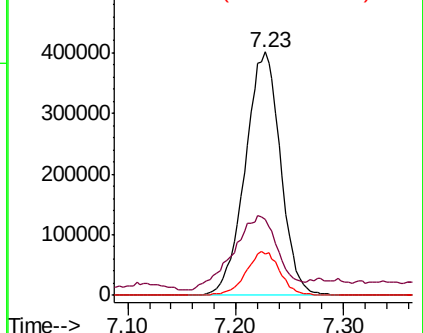
88 17.4 15.8 23.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 383.259 ppbv

RT: 5.16 min Scan# 738

Delta R.T. -0.09 min

Lab File: VL034805.D

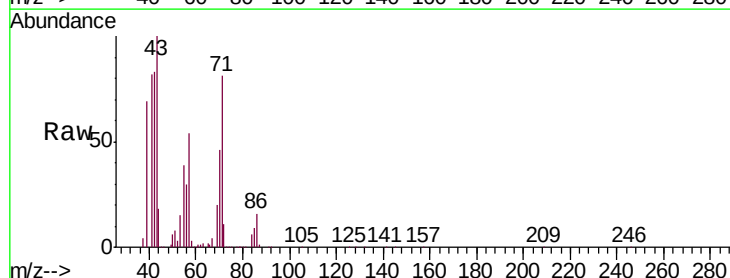
Acq: 5 Mar 2020 21:07

Tgt Ion: 43 Resp:22763618

Ion Ratio Lower Upper

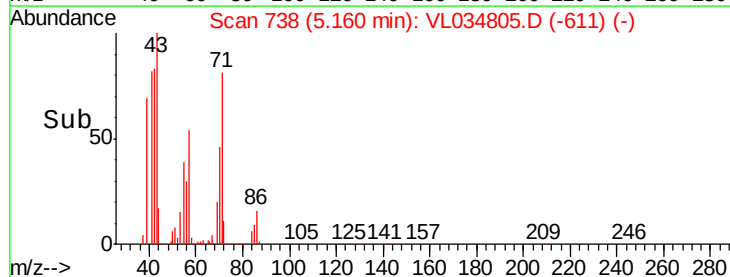
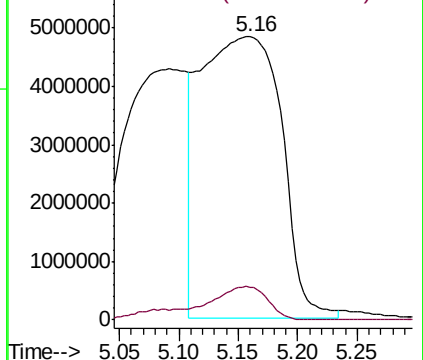
43 100

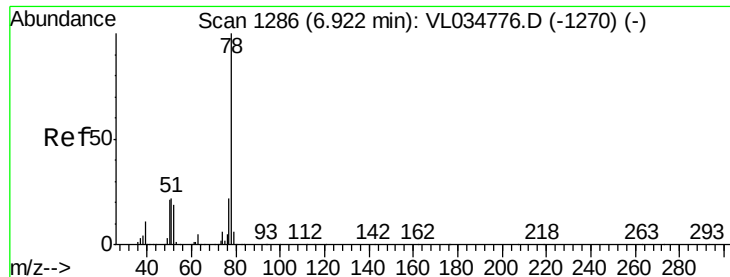
72 10.4 17.5 26.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 2.926 ppbv

RT: 6.93 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

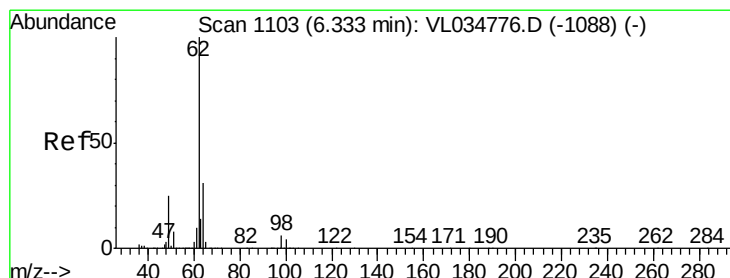
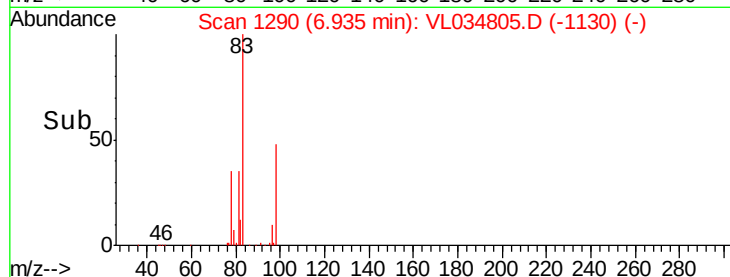
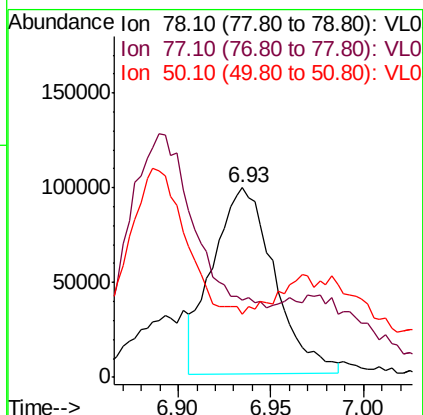
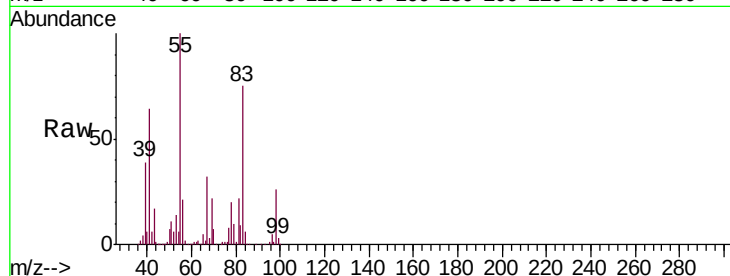
Tgt Ion: 78 Resp: 228247

Ion Ratio Lower Upper

78 100

77 8.5 18.0 27.0#

50 0.0 16.9 25.3#



#37

1,2-Dichloroethane

Concen: 3.377 ppbv

RT: 6.39 min Scan# 1122

Delta R.T. 0.06 min

Lab File: VL034805.D

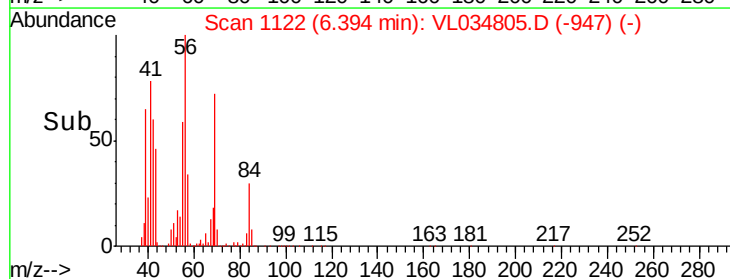
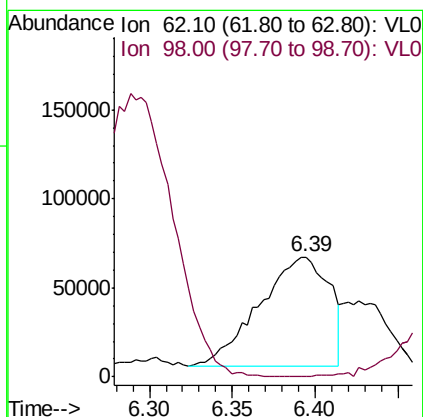
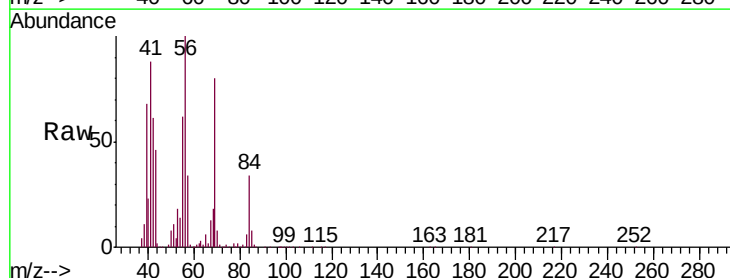
Acq: 5 Mar 2020 21:07

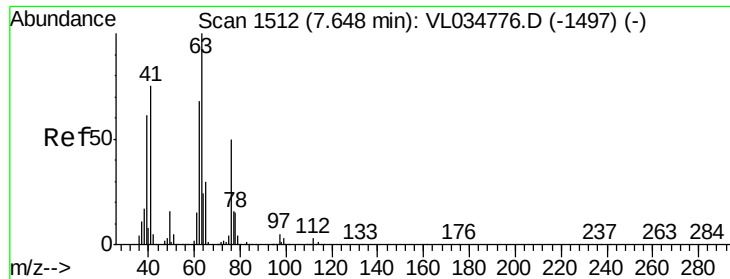
Tgt Ion: 62 Resp: 179940

Ion Ratio Lower Upper

62 100

98 0.0 4.4 6.6#





#39

1,2-Dichloropropane

Concen: 0.393 ppbv

RT: 7.69 min Scan# 1524

Delta R.T. 0.04 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

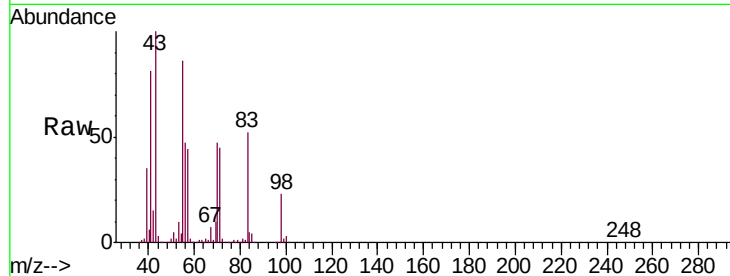
Tgt Ion: 63 Resp: 12388

Ion Ratio Lower Upper

63 100

41 6572.8 60.3 90.5#

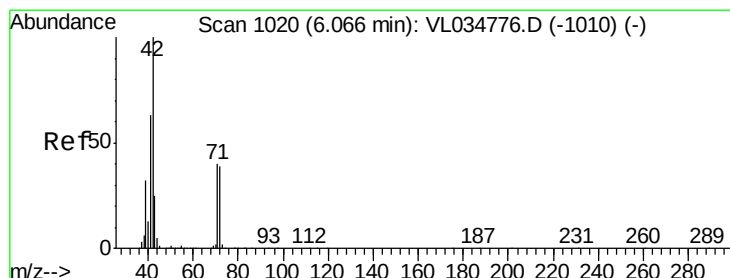
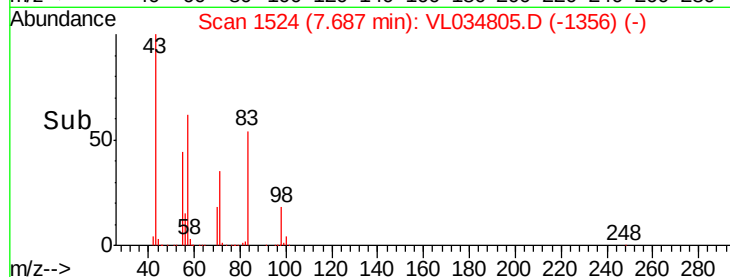
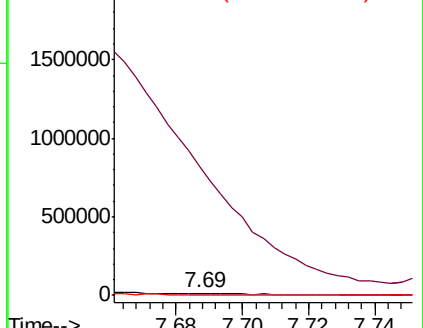
62 33.7 54.5 81.7#



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: 4.671 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.04 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

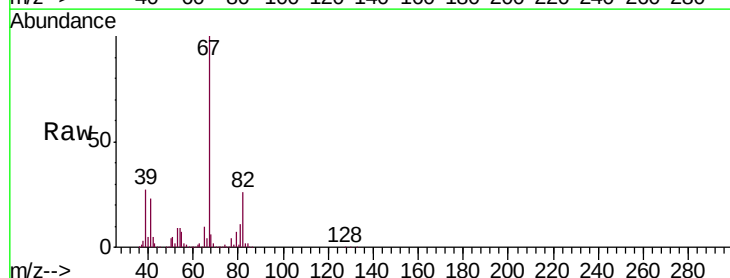
Tgt Ion: 42 Resp: 141554

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

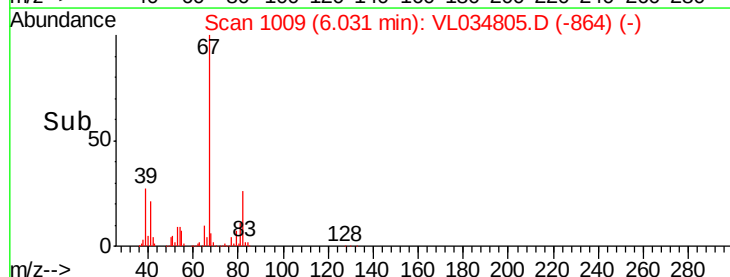
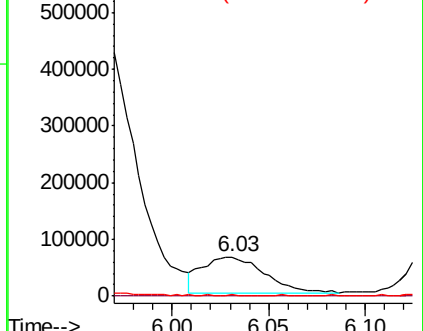
71 0.0 31.3 46.9#

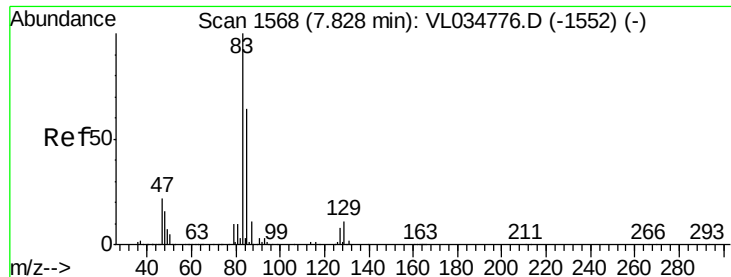


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 45.221 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. 0.06 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampled :

SS-5-4

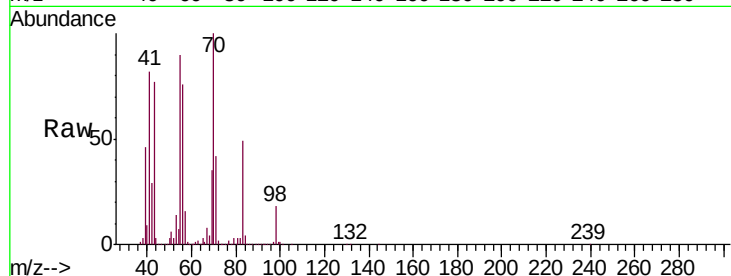
Tgt Ion: 83 Resp: 3048899

Ion Ratio Lower Upper

83 100

85 0.7 50.8 76.2#

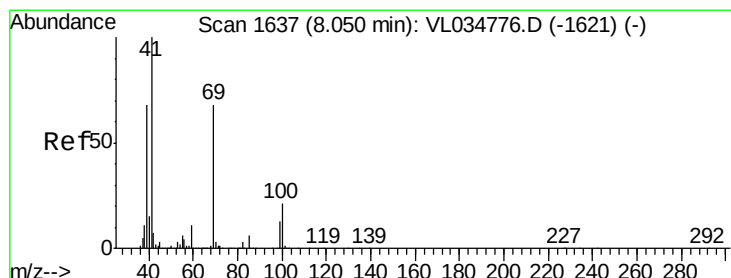
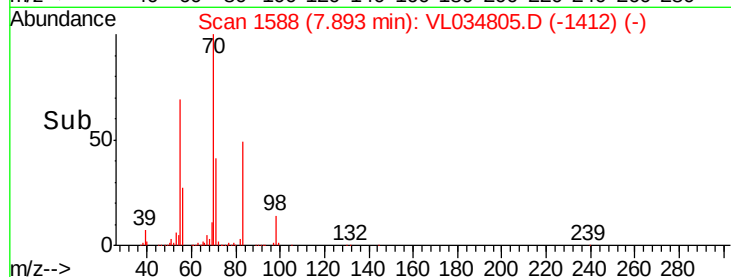
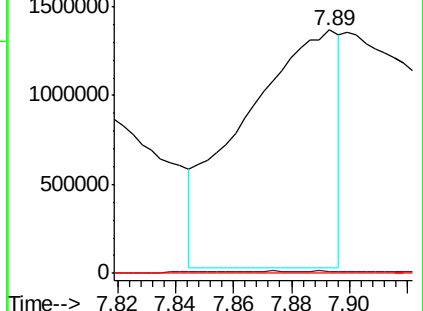
127 0.0 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 75.228 ppbv

RT: 7.96 min Scan# 1610

Delta R.T. -0.09 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

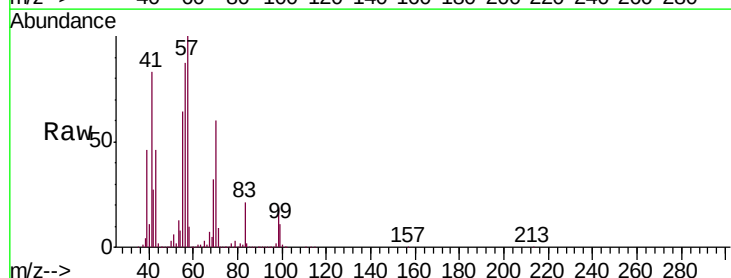
Tgt Ion: 69 Resp: 2486911

Ion Ratio Lower Upper

69 100

41 1128.5 121.6 182.4#

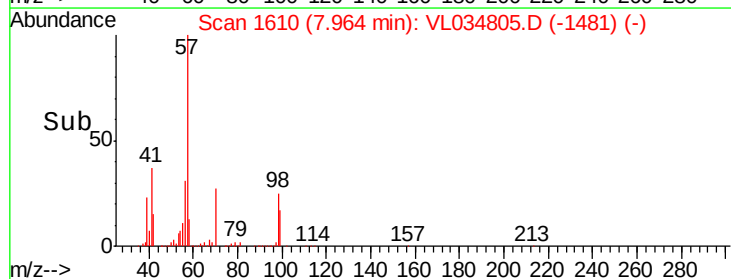
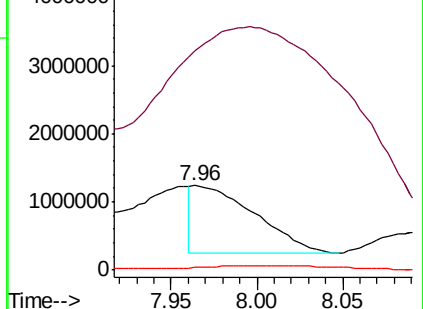
100 15.9 23.8 35.8#

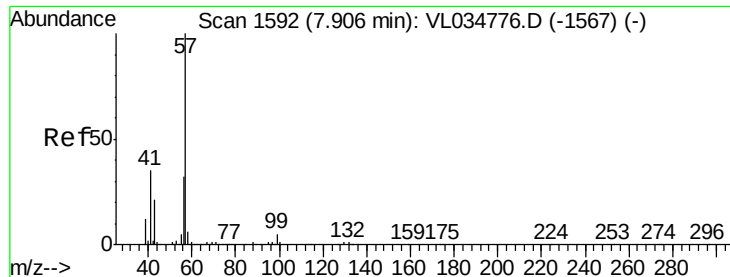


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 284.548 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.10 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

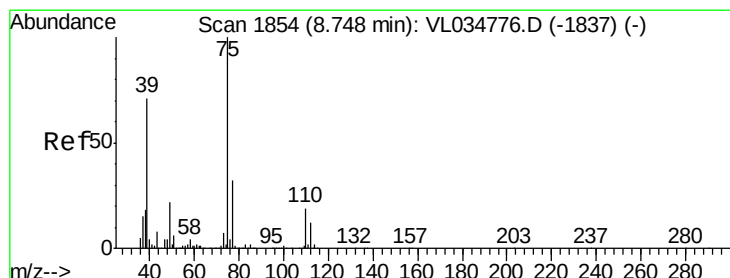
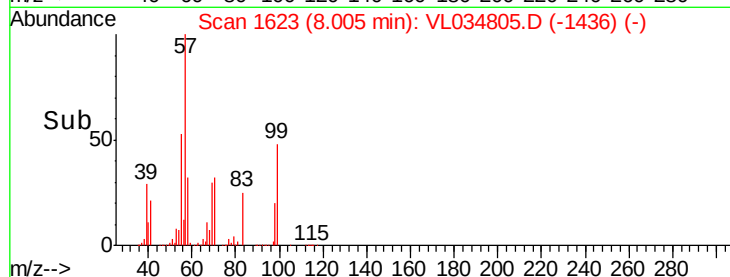
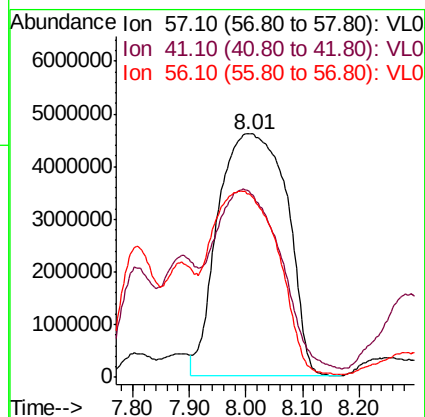
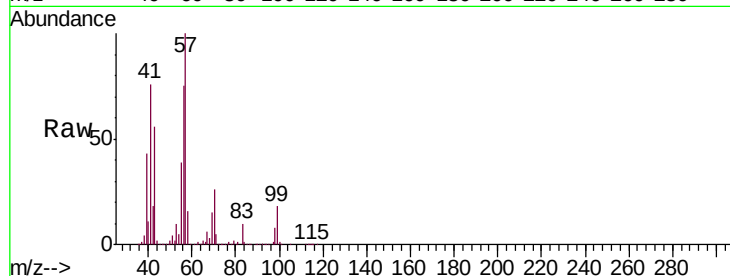
Tgt Ion: 57 Resp: 38792396

Ion Ratio Lower Upper

57 100

41 72.9 27.4 41.0#

56 76.7 25.0 37.6#



#46

cis-1,3-Dichloropropene

Concen: 0.033 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.02 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

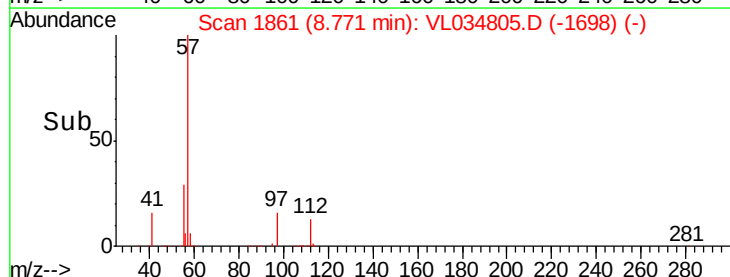
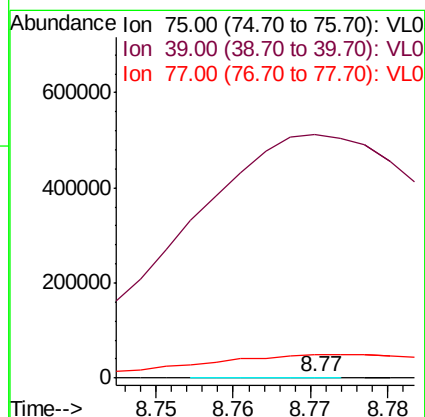
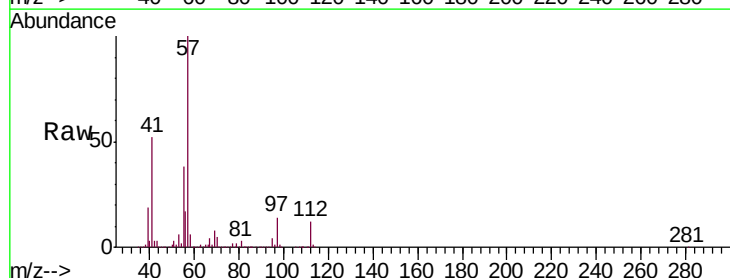
Tgt Ion: 75 Resp: 1385

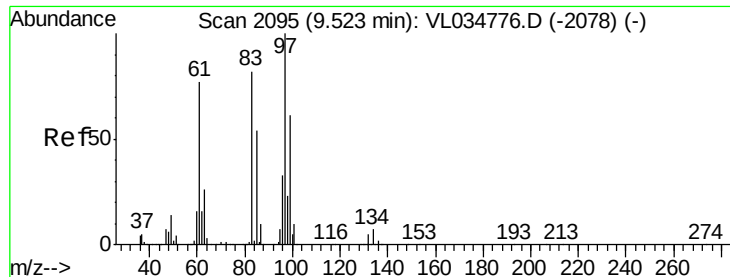
Ion Ratio Lower Upper

75 100

39 16459.7 56.9 85.3#

77 2094.8 25.7 38.5#





#47

1,1,2-Trichloroethane

Concen: 22.858 ppbv

RT: 9.57 min Scan# 2111

Delta R.T. 0.05 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

SS-5-4

Tgt Ion: 97 Resp: 759784

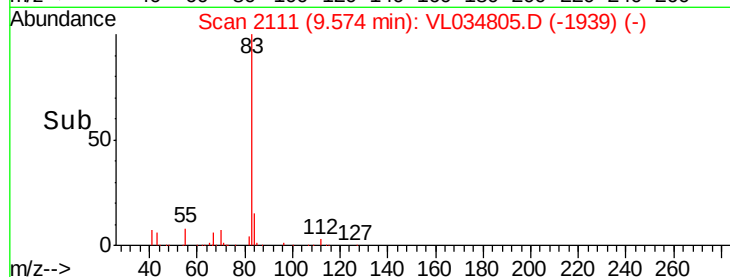
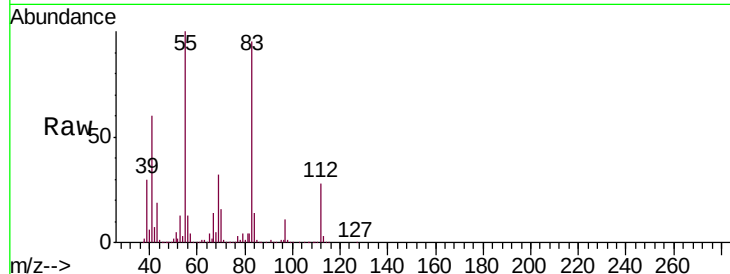
Ion Ratio Lower Upper

97 100

83 817.9 65.2 97.8#

85 3.9 43.6 65.4#

99 0.5 48.9 73.3#

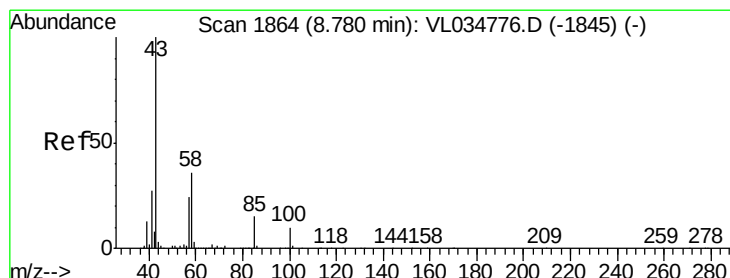
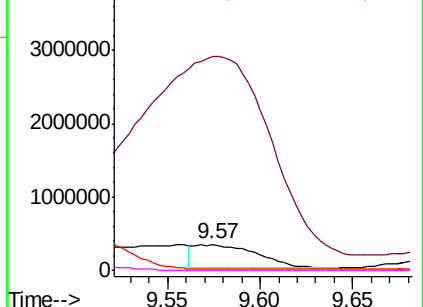


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#50

4-Methyl-2-Pentanone

Concen: 1.322 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VL034805.D

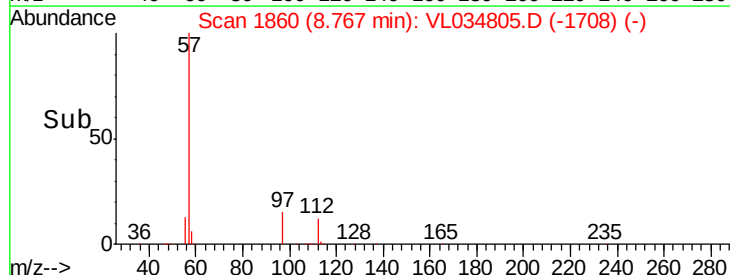
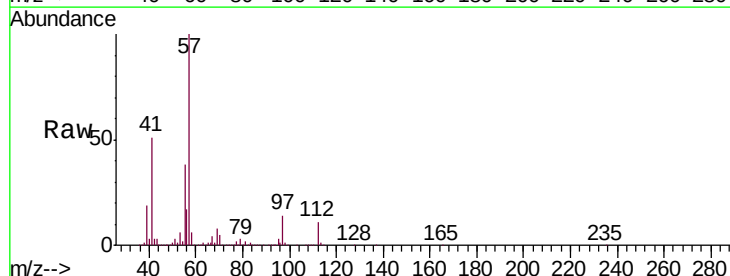
Acq: 5 Mar 2020 21:07

Tgt Ion: 43 Resp: 112516

Ion Ratio Lower Upper

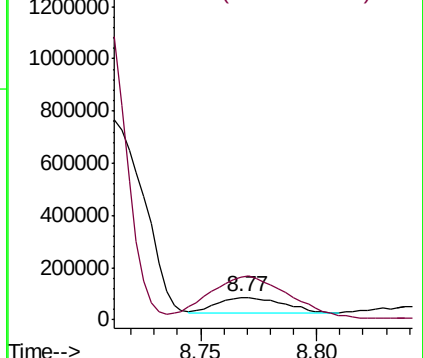
43 100

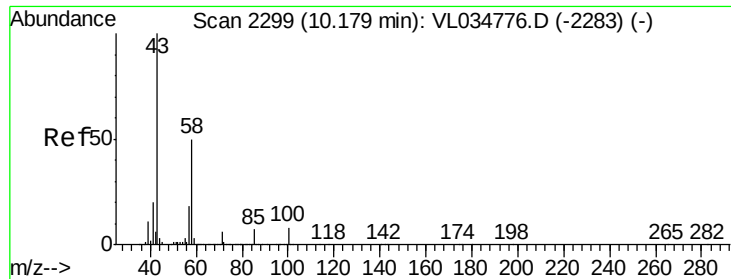
58 352.5 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

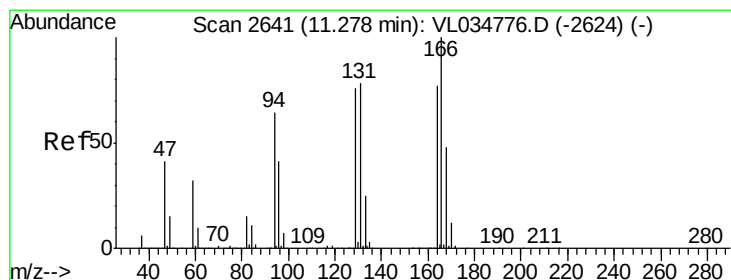
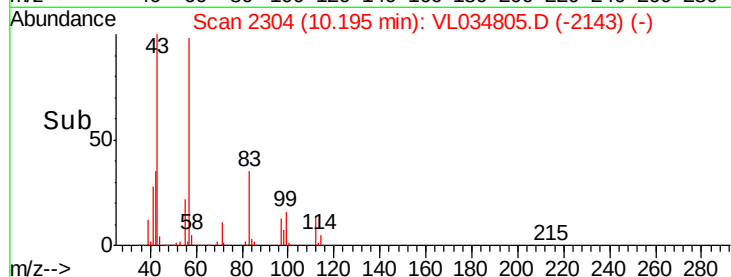
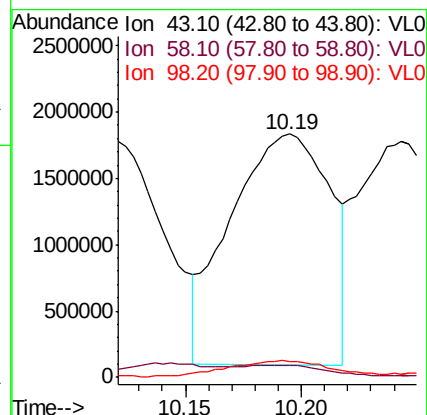
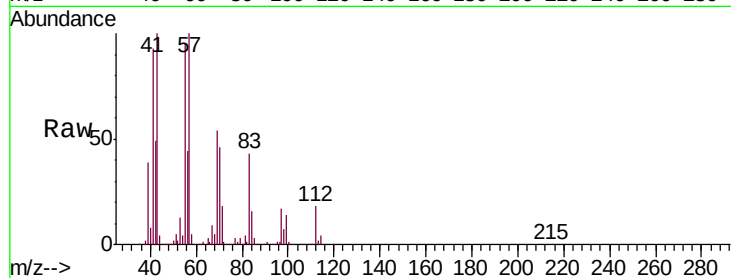




#51
2-Hexanone
Concen: 77.867 ppbv
RT: 10.19 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

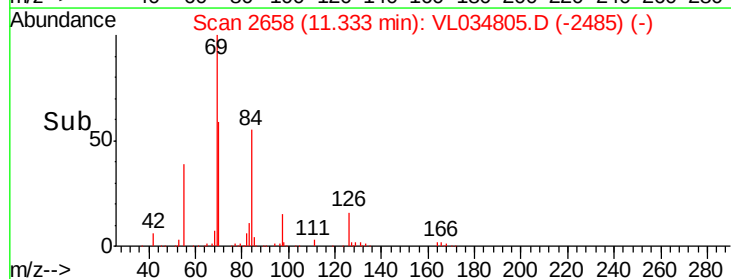
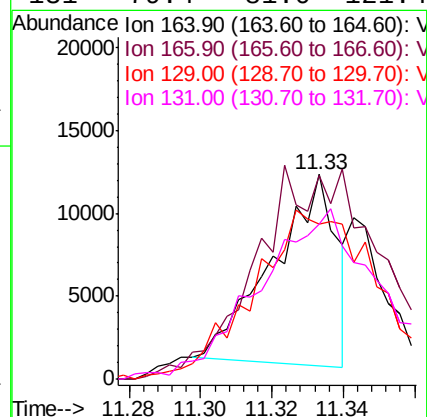
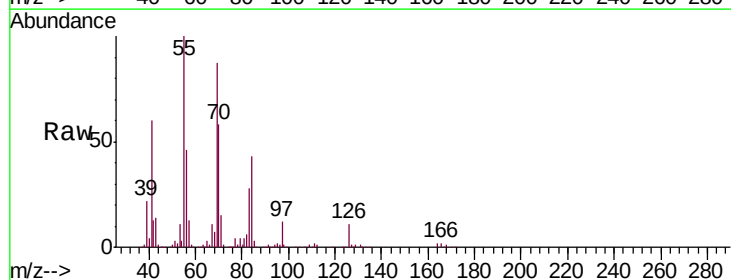
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

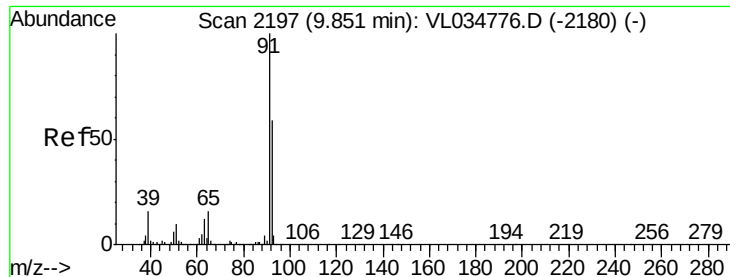
Tgt Ion: 43 Resp: 5198335
Ion Ratio Lower Upper
43 100
58 4.6 38.6 58.0#
98 8.9 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.492 ppbv
RT: 11.33 min Scan# 2658
Delta R.T. 0.05 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 164 Resp: 14194
Ion Ratio Lower Upper
164 100
166 99.0 103.3 154.9#
129 76.5 79.0 118.4#
131 79.4 81.0 121.4#





#53

Toluene

Concen: 0.378 ppbv

RT: 10.08 min Scan# 2268

Delta R.T. 0.23 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

Instrument :

MSVOA_L

ClientSampleId :

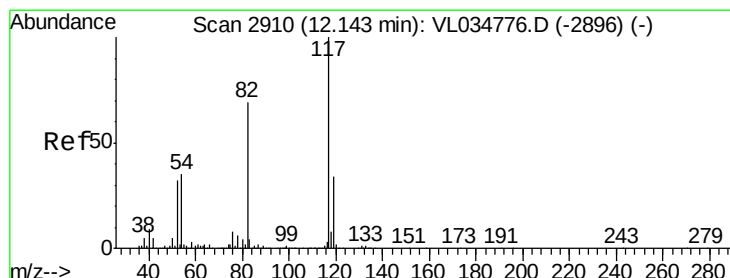
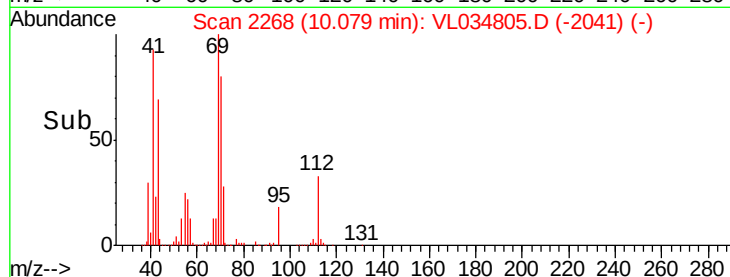
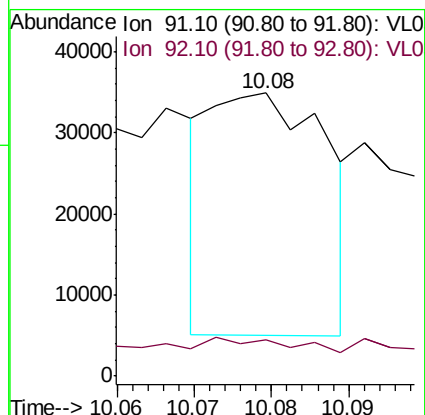
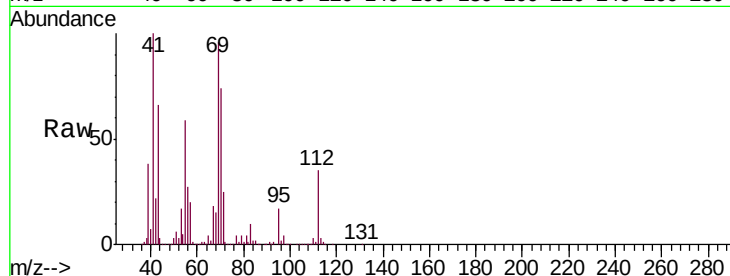
SS-5-4

Tgt Ion: 91 Resp: 31218

Ion Ratio Lower Upper

91 100

92 56.6 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.04 min

Lab File: VL034805.D

Acq: 5 Mar 2020 21:07

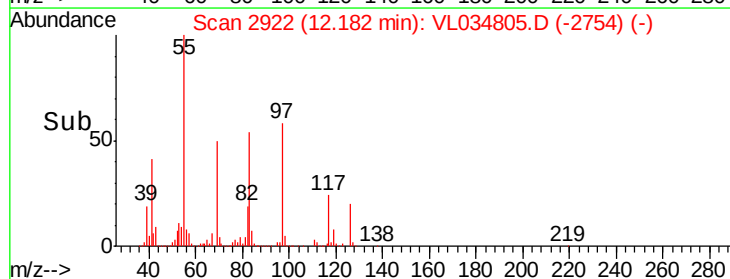
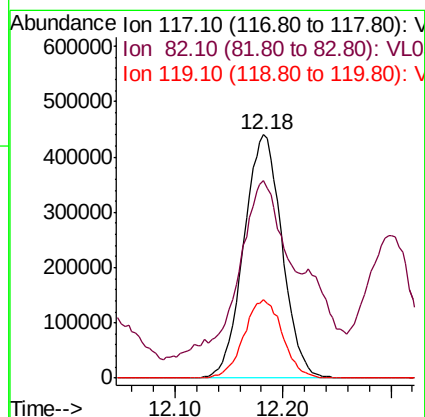
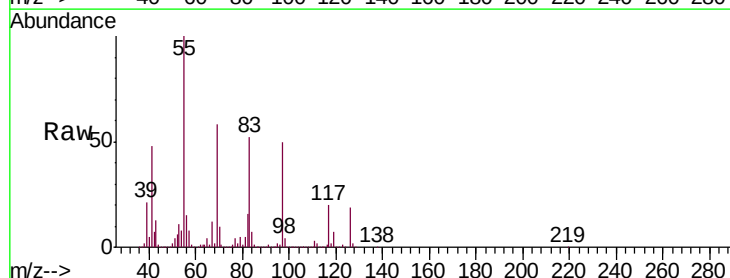
Tgt Ion: 117 Resp: 1082539

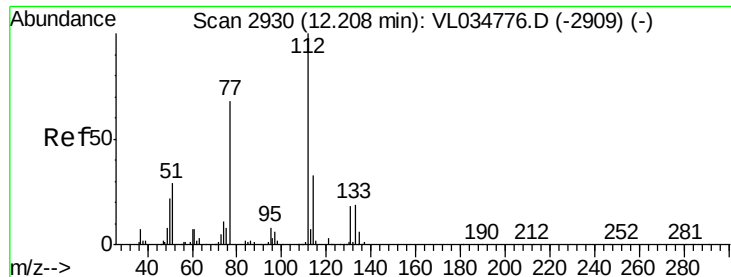
Ion Ratio Lower Upper

117 100

82 139.8 53.9 80.9#

119 32.6 25.0 37.4

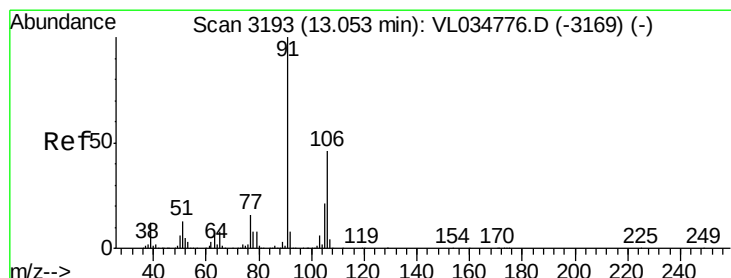
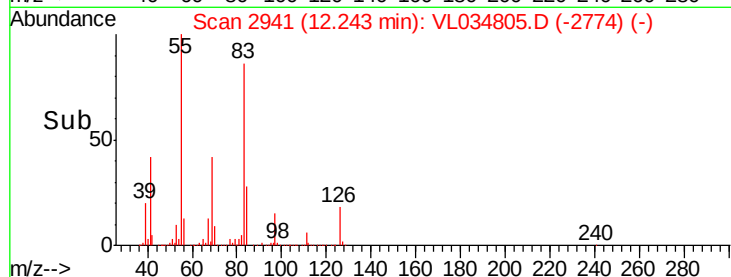
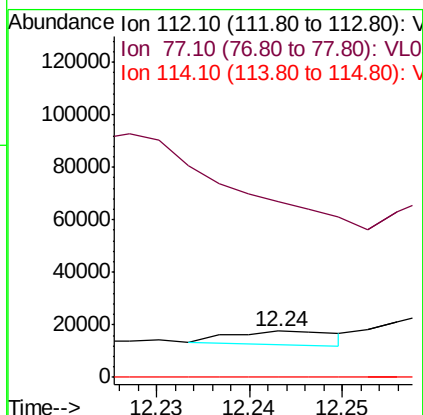
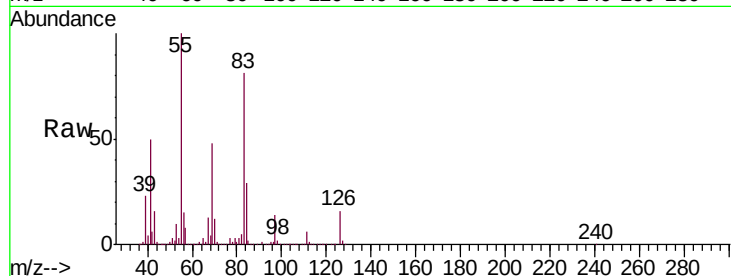




#57
Chlorobenzene
Concen: 0.049 ppbv
RT: 12.24 min Scan# 2941
Delta R.T. 0.04 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

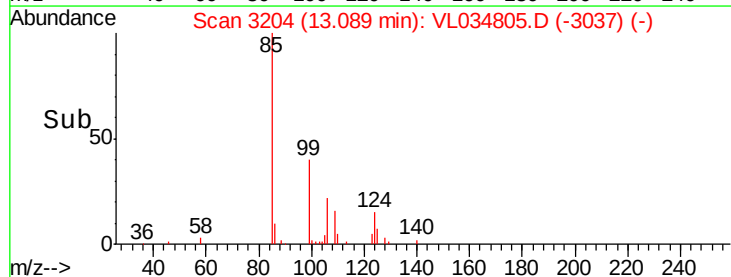
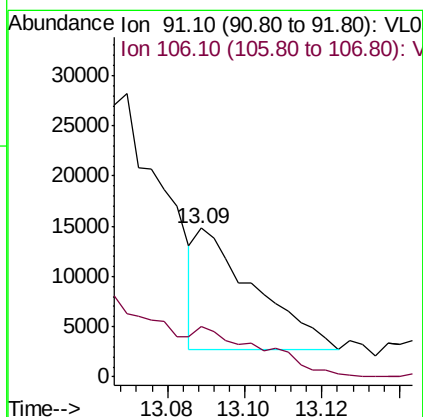
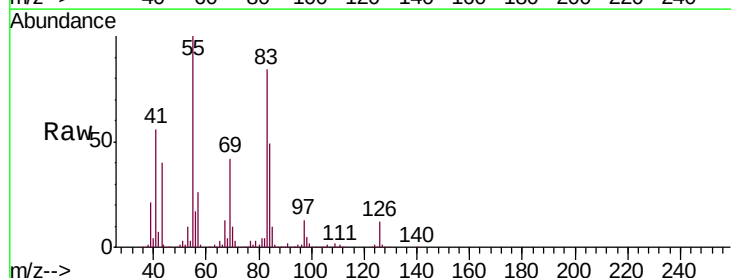
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

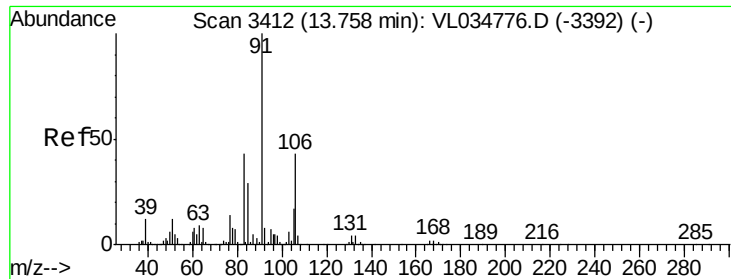
Tgt Ion: 112 Resp: 4018
Ion Ratio Lower Upper
112 100
77 137.0 55.6 83.4#
114 3.9 29.4 36.0#



#59
m/p-Xylene
Concen: 0.110 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. 0.04 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 91 Resp: 12686
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#

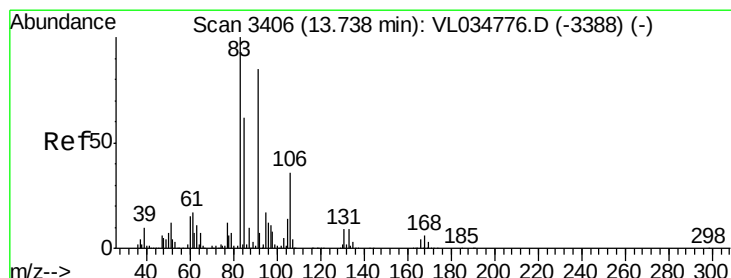
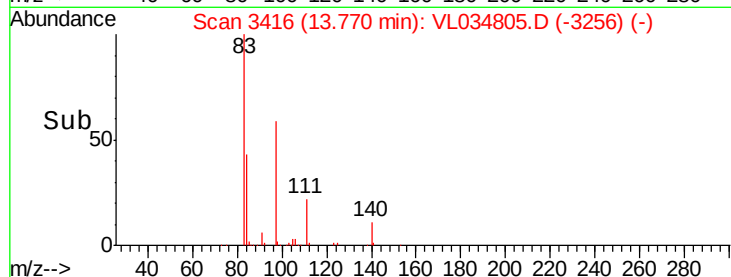
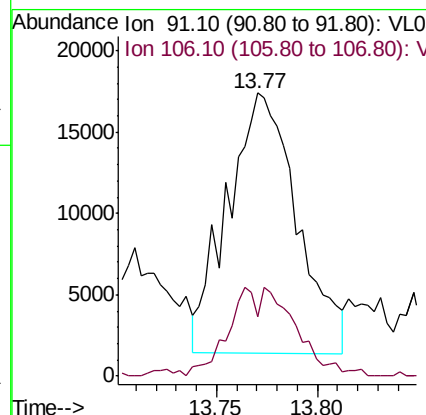
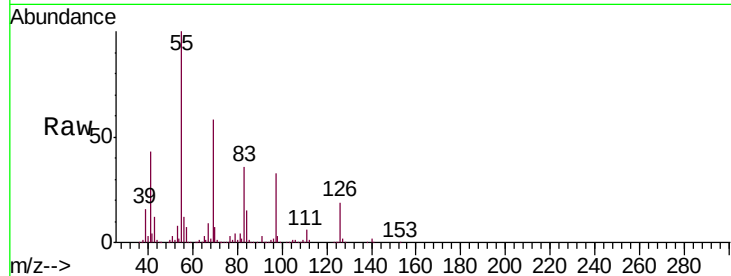




#60
o-Xylene
Concen: 0.330 ppbv
RT: 13.77 min Scan# 3416
Delta R.T. 0.01 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

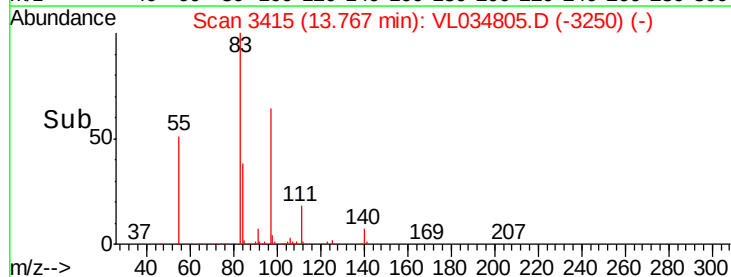
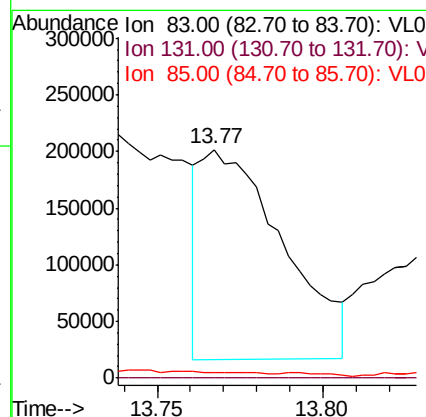
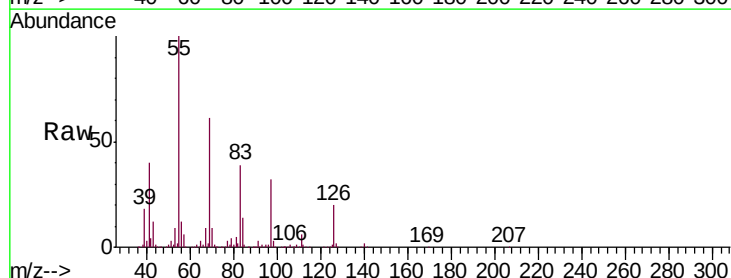
Instrument :
MSVOA_L
ClientSampleId :
SS-5-4

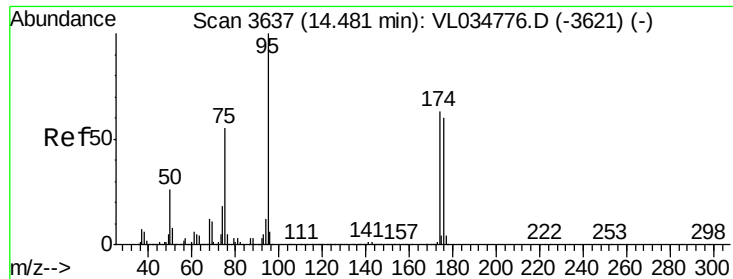
Tgt Ion: 91 Resp: 38529
Ion Ratio Lower Upper
91 100
106 33.2 21.7 65.1



#63
1,1,2,2-Tetrachloroethane
Concen: 3.449 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. 0.03 min
Lab File: VL034805.D
Acq: 5 Mar 2020 21:07

Tgt Ion: 83 Resp: 317637
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.0#
85 0.0 32.9 98.7#

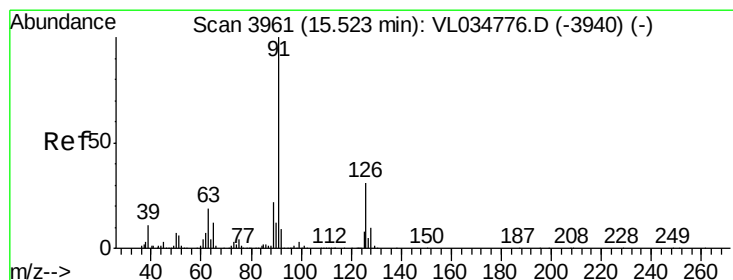
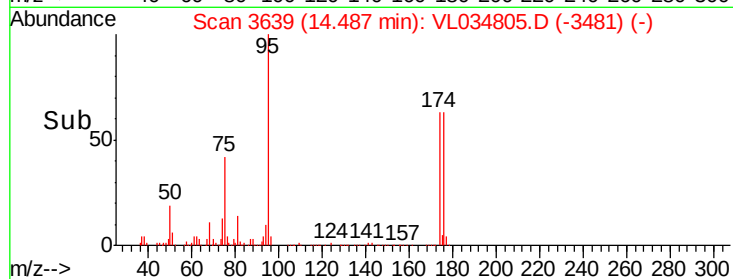
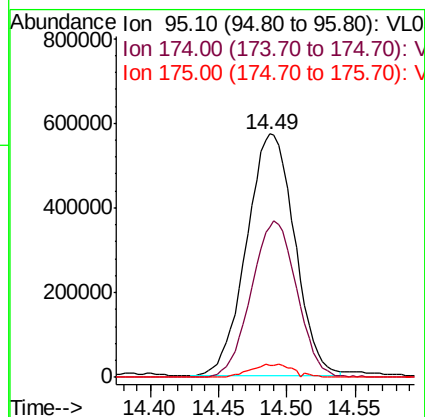
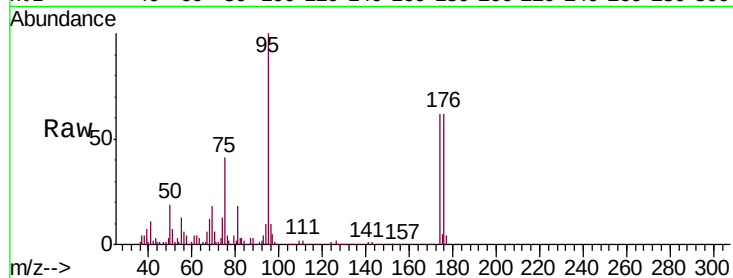




#68
 1-Bromo-4-Fluorobenzene
 Concen: 15.520 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. 0.01 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

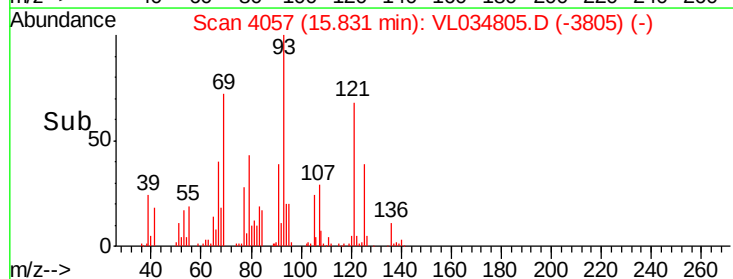
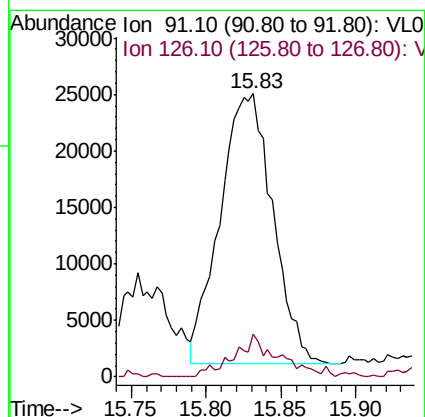
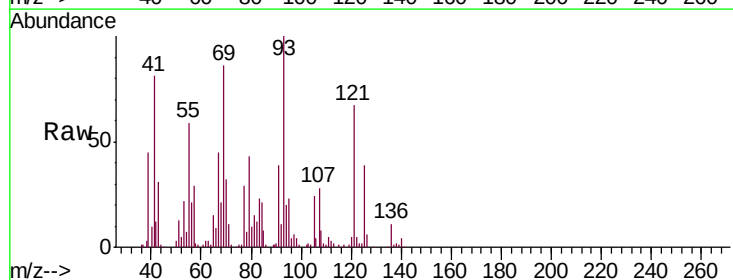
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-4

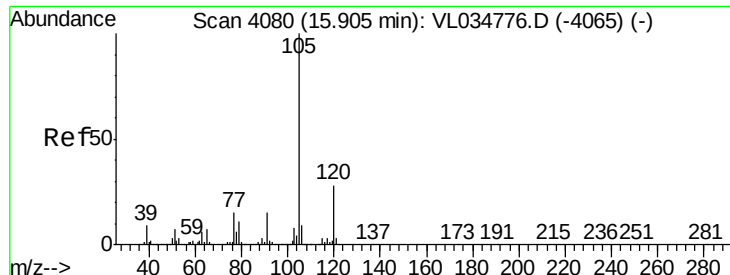
Tgt Ion: 95 Resp: 1400969
 Ion Ratio Lower Upper
 95 100
 174 61.3 50.6 76.0
 175 4.9 3.8 5.6



#71
 2-Chlorotoluene
 Concen: 0.451 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.31 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Tgt Ion: 91 Resp: 58641
 Ion Ratio Lower Upper
 91 100
 126 13.9 11.7 46.7





#72
 4-Ethyltoluene
 Concen: 0.038 ppbv
 RT: 15.91 min Scan# 4082
 Delta R.T. 0.01 min
 Lab File: VL034805.D
 Acq: 5 Mar 2020 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5-4

Tgt Ion:	105	Resp:	4883
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.6#
91	101.0	11.1	16.7#
77	198.0	12.2	18.4#

