

Data File : VL034831.D
Acq On : 7 Mar 2020 1:39
Operator : SY/AP
Sample : L1698-06DL2 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Quant Time: Mar 07 03:21:54 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	5.66	49	910184	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2083554	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2043937	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1643091	9.64	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

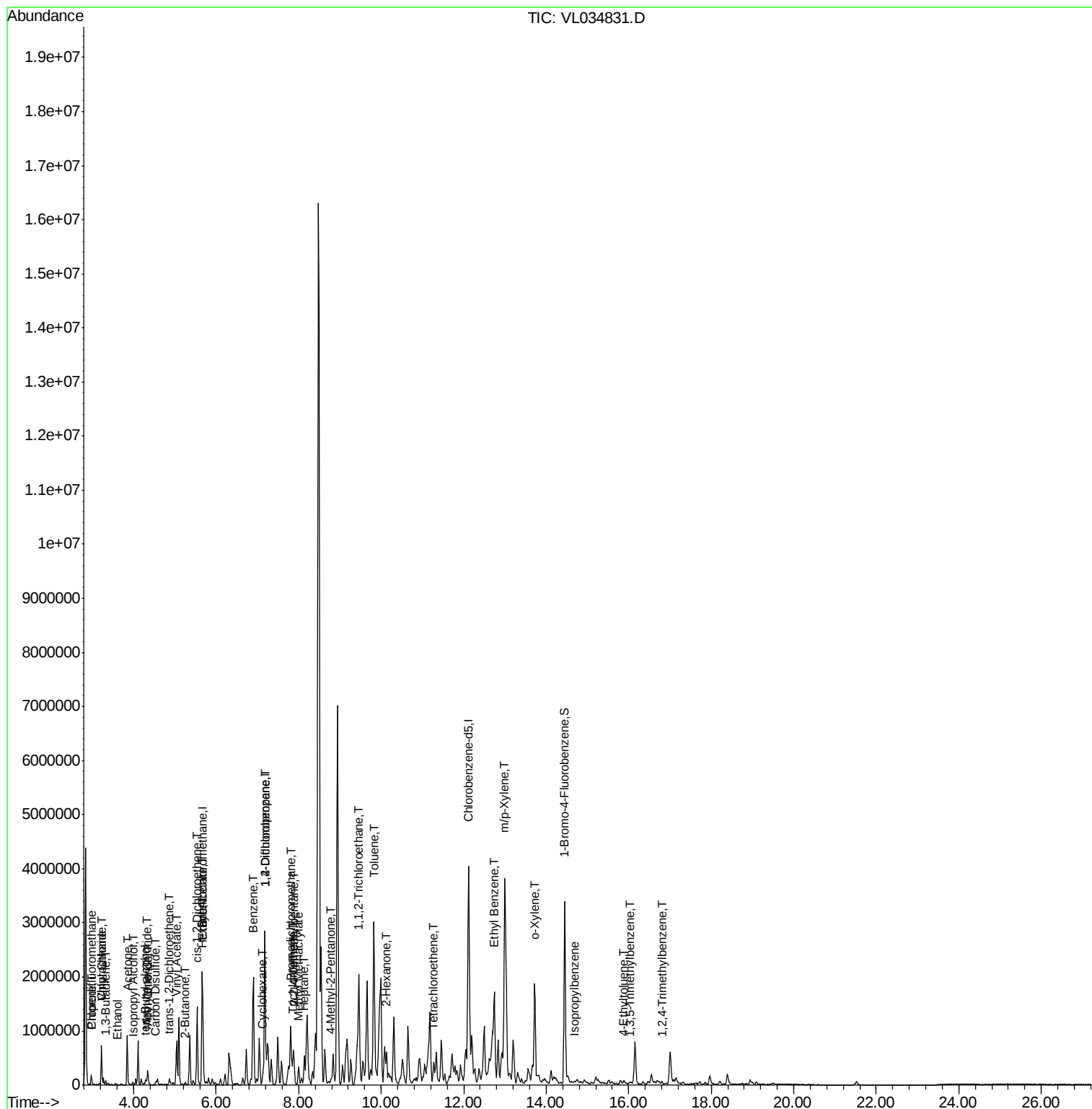
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.98	51	4552	0.044	ppbv #	64
5) Vinyl Chloride	3.22	62	584535	9.907	ppbv	97
7) Chloroethane	3.22	64	184575	9.047	ppbv #	44
9) Propene	2.97	41	70101	1.717	ppbv	98
10) Heptane	8.14	43	260652	2.513	ppbv #	27
13) Ethanol	3.59	45	1047	0.075	ppbv #	50
15) Acetone	3.84	43	379754	3.484	ppbv #	72
16) 1,3-Butadiene	3.32	39	7459	0.151	ppbv #	27
17) tert-Butyl alcohol	4.29	59	48306	0.562	ppbv	94
19) Isopropyl Alcohol	3.97	45	29014	0.444	ppbv #	1
20) Methylene Chloride	4.32	84	25890	0.666	ppbv	94
21) Allyl Chloride	4.35	41	41215	0.597	ppbv #	56
22) trans-1,2-Dichloroethene	4.87	96	16943	0.429	ppbv	96
23) Vinyl Acetate	5.04	43	229337	1.569	ppbv #	1
25) Ethyl Acetate	5.68	43	234184	1.243	ppbv #	76
26) Hexane	5.68	57	336380	4.088	ppbv #	42
27) Carbon Disulfide	4.53	76	59568	0.620	ppbv #	75
30) Cyclohexane	7.13	84	73660	1.170	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	827947	9.810	ppbv	98
34) 2-Butanone	5.25	43	48886	0.361	ppbv	94
36) Benzene	6.89	78	1032542	5.799	ppbv	99
38) Trichloroethene	7.85	130	27429	0.395	ppbv #	68
39) 1,2-Dichloropropane	7.18	63	543534	7.565	ppbv #	22
42) Bromodichloromethane	7.81	83	419107	2.724	ppbv #	26
43) Methyl Methacrylate	8.00	69	163222	2.163	ppbv #	46
44) 2,2,4-Trimethylpentane	7.88	57	471680	1.516	ppbv #	71
47) 1,1,2-Trichloroethane	9.46	97	48403	0.638	ppbv #	1
50) 4-Methyl-2-Pentanone	8.78	43	29587	0.152	ppbv #	39
51) 2-Hexanone	10.13	43	68837	0.452	ppbv #	29
52) Tetrachloroethene	11.25	164	3410	0.052	ppbv	88
53) Toluene	9.83	91	482016	2.558	ppbv	97
58) Ethyl Benzene	12.74	91	1315603	5.223	ppbv	94
59) m/p-Xylene	13.00	91	3756029	17.226	ppbv	95
60) o-Xylene	13.72	91	1254911	5.688	ppbv	98
62) Isopropylbenzene	14.70	105	10883	0.034	ppbv #	70
72) 4-Ethyltoluene	15.87	105	9105	0.037	ppbv #	20
73) 1,3,5-Trimethylbenzene	16.03	105	9880	0.042	ppbv #	46
74) 1,2,4-Trimethylbenzene	16.79	105	12368	0.048	ppbv #	69

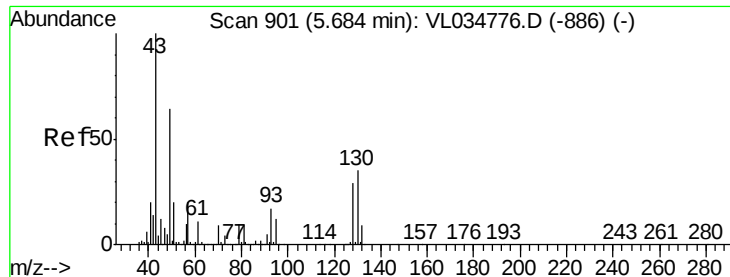
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

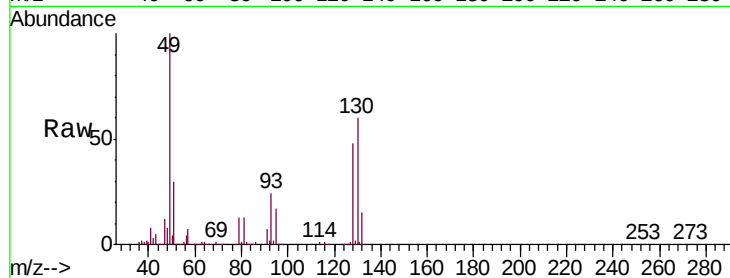
Tgt Ion: 49 Resp: 910184

Ion Ratio Lower Upper

49 100

128 47.5 21.6 64.6

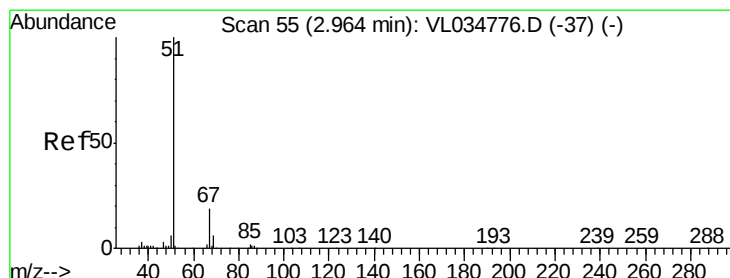
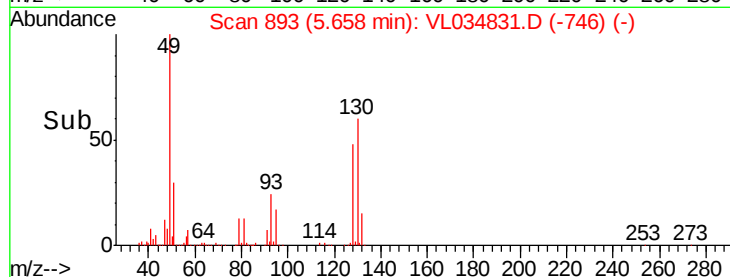
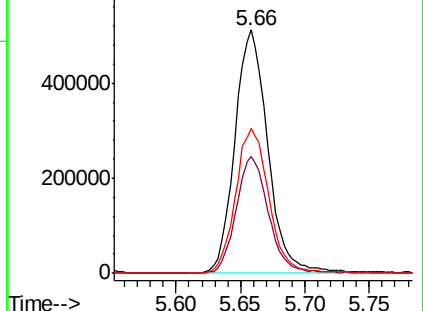
130 60.9 27.4 82.2



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



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.02 min

Lab File: VL034831.D

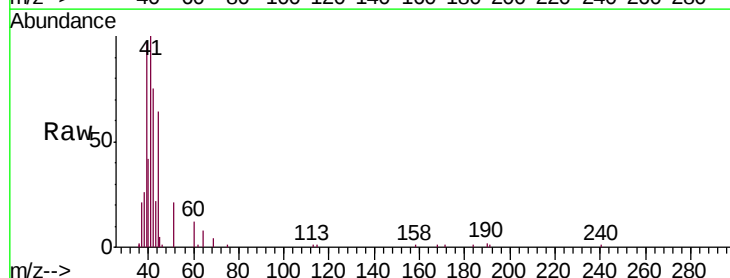
Acq: 7 Mar 2020 1:39

Tgt Ion: 51 Resp: 4552

Ion Ratio Lower Upper

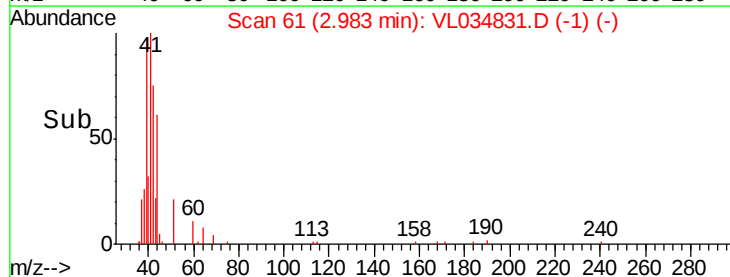
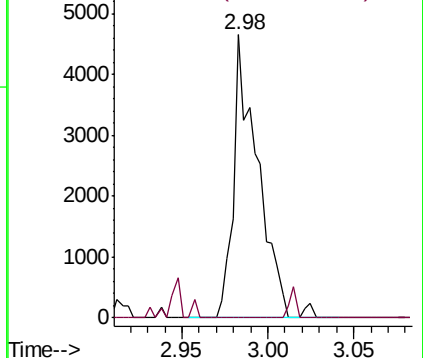
51 100

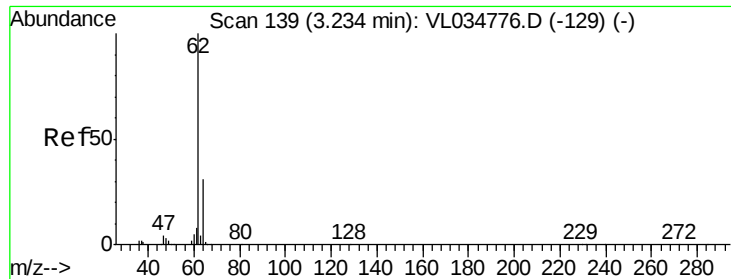
67 3.1 15.3 22.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#5

Vinyl Chloride

Concen: 9.907 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.01 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

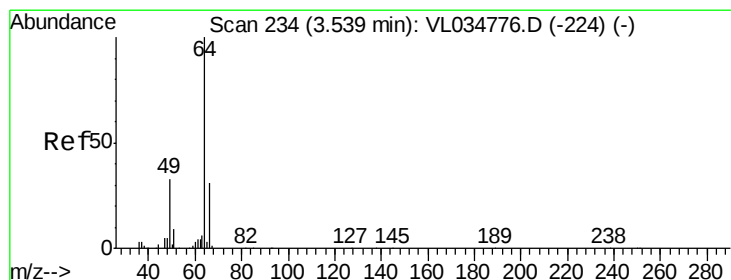
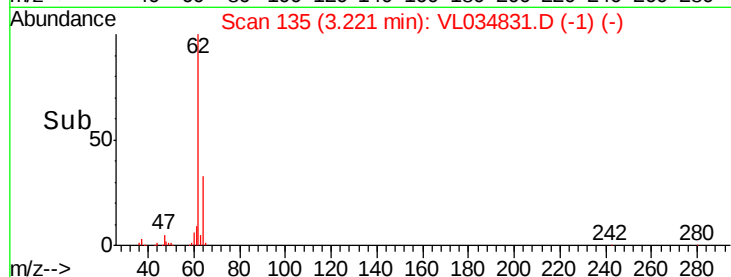
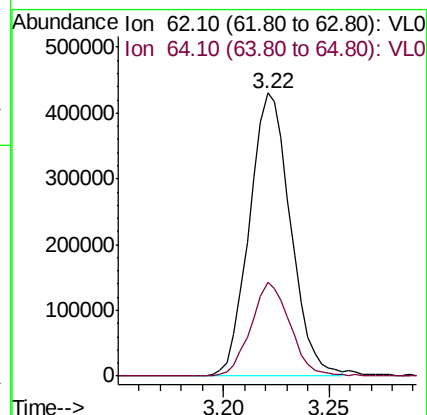
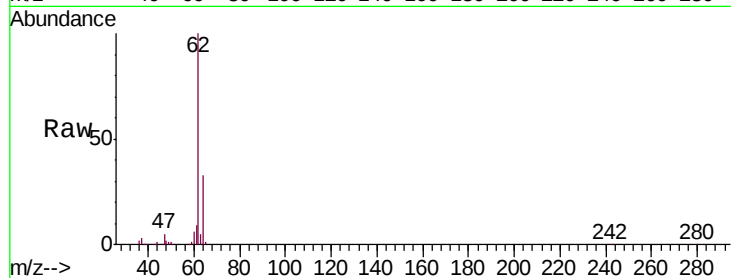
SS-3-4DL2

Tgt Ion: 62 Resp: 584535

Ion Ratio Lower Upper

62 100

64 33.0 25.1 37.7



#7

Chloroethane

Concen: 9.047 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.32 min

Lab File: VL034831.D

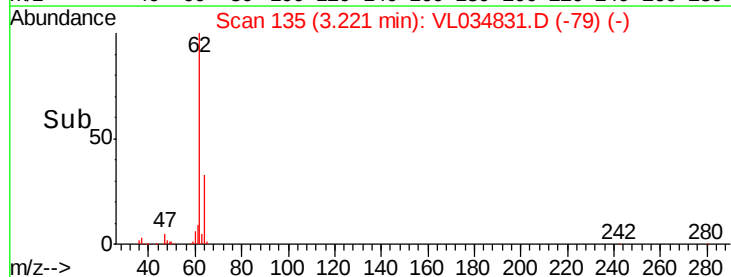
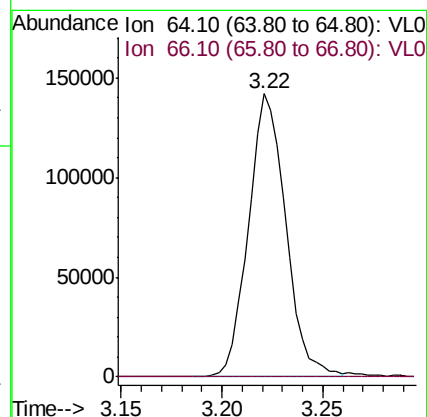
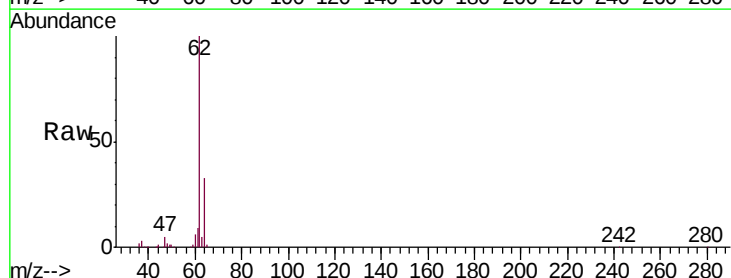
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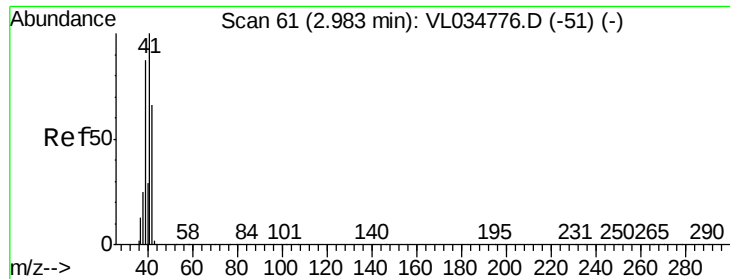
Tgt Ion: 64 Resp: 184575

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#





#9

Propene

Concen: 1.717 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

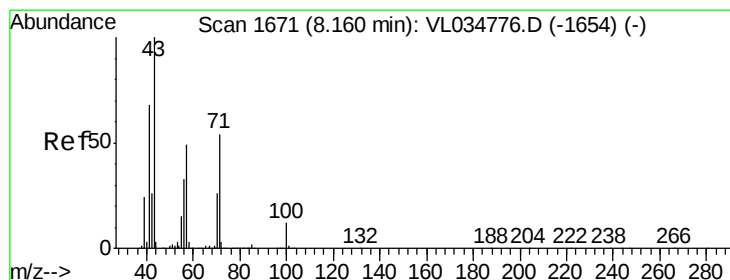
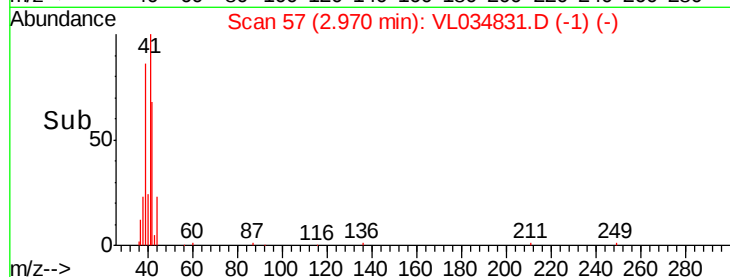
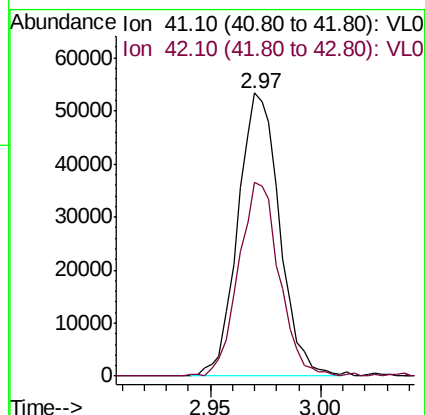
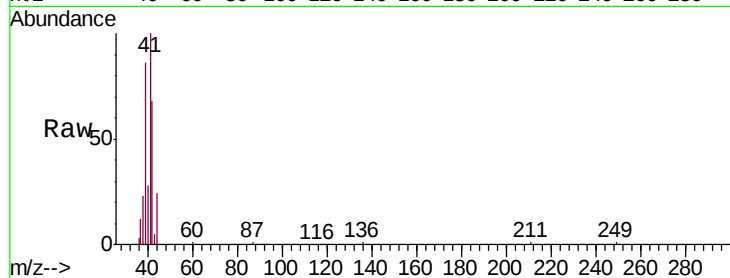
SS-3-4DL2

Tgt Ion: 41 Resp: 70101

Ion Ratio Lower Upper

41 100

42 67.8 55.6 83.4



#10

Heptane

Concen: 2.513 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.02 min

Lab File: VL034831.D

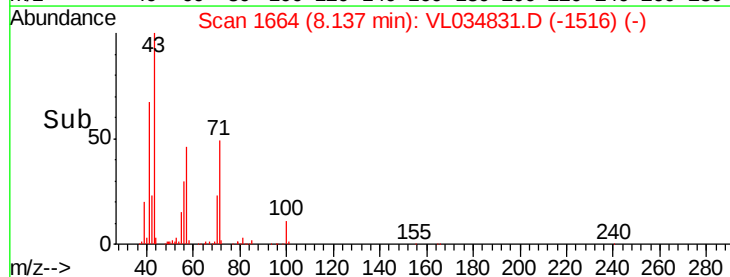
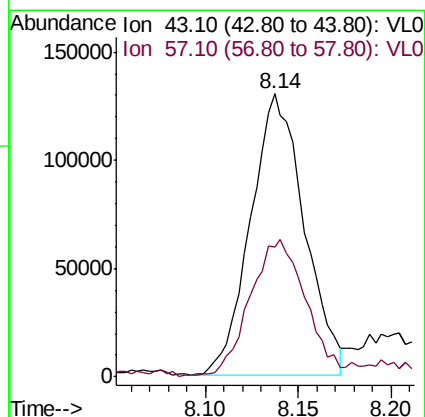
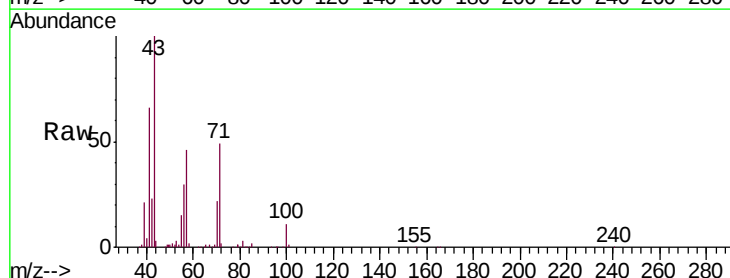
Acq: 7 Mar 2020 1:39

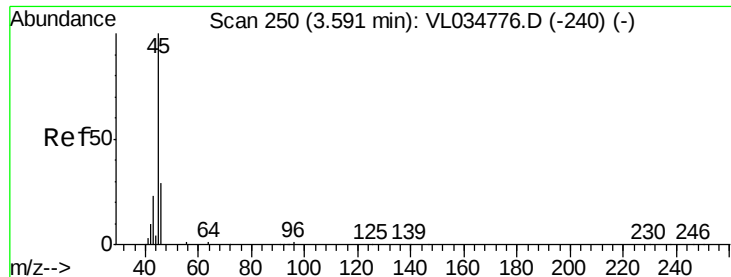
Tgt Ion: 43 Resp: 260652

Ion Ratio Lower Upper

43 100

57 0.0 40.5 60.7#

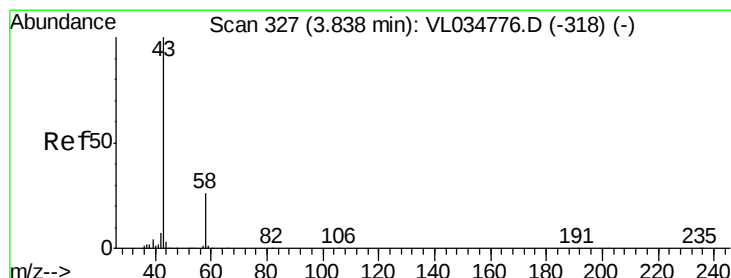
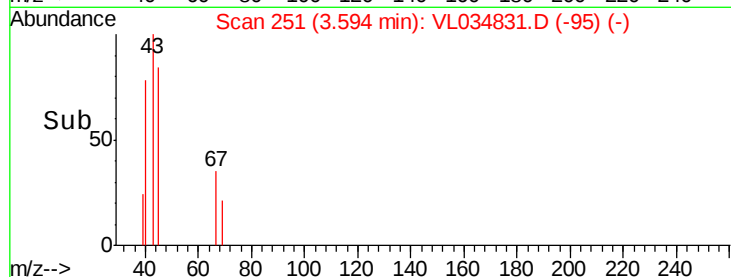
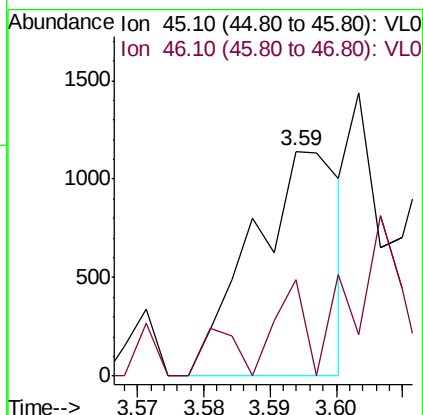
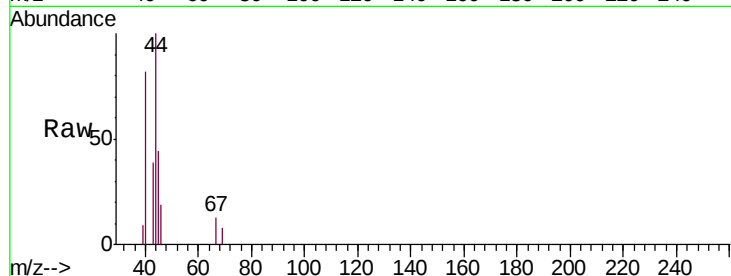




#13
Ethanol
Concen: 0.075 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.00 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

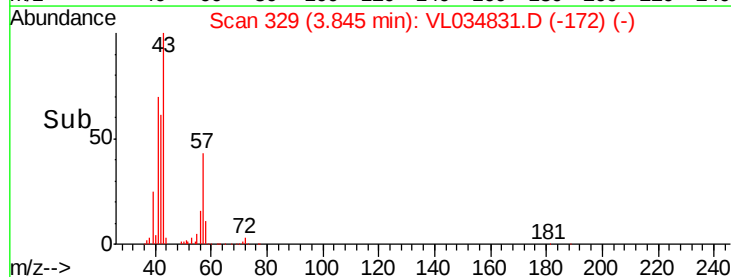
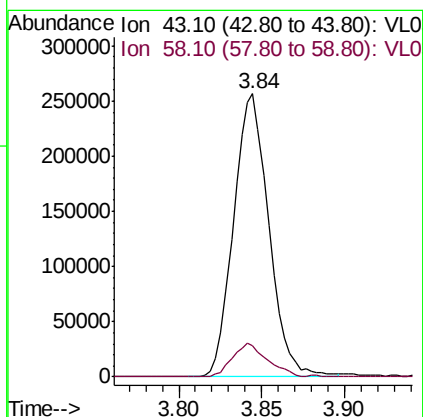
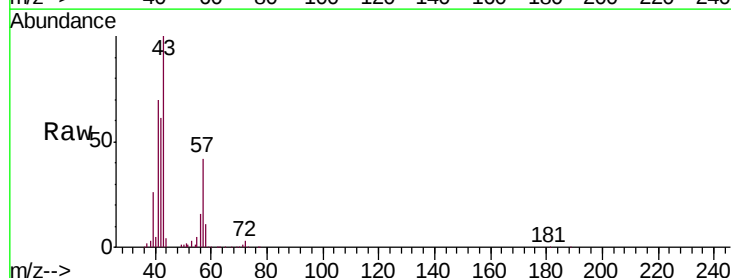
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

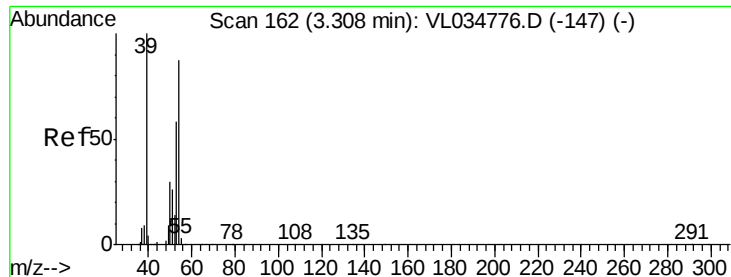
Tgt Ion: 45 Resp: 1047
Ion Ratio Lower Upper
45 100
46 6.9 14.7 58.9#



#15
Acetone
Concen: 3.484 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 43 Resp: 379754
Ion Ratio Lower Upper
43 100
58 12.1 21.0 31.6#

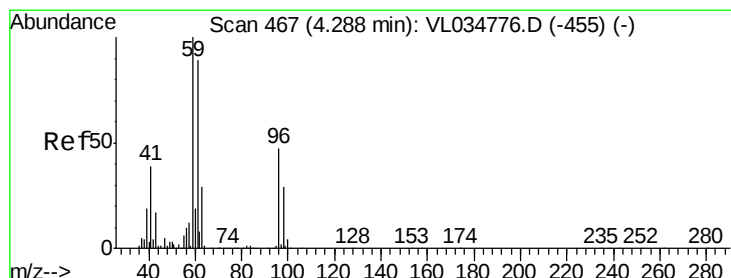
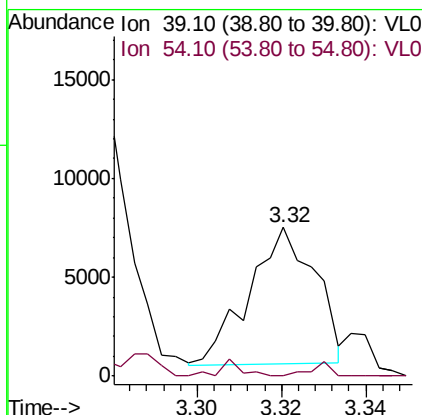
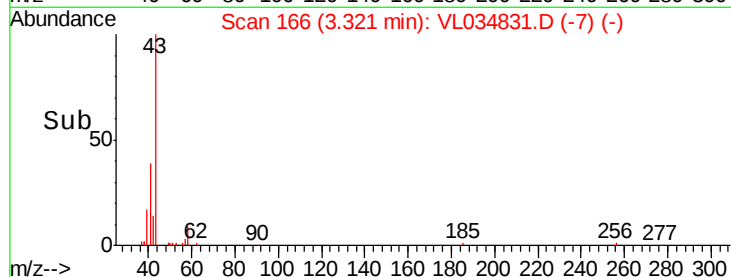
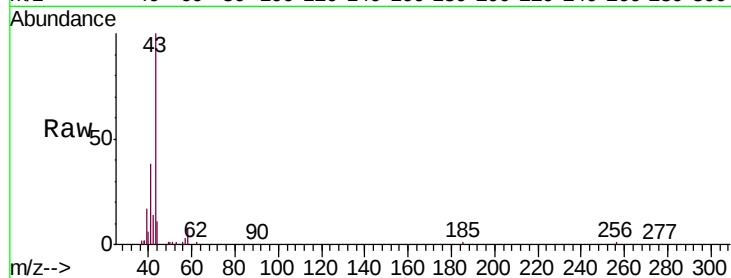




#16
 1,3-Butadiene
 Concen: 0.151 ppbv
 RT: 3.32 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

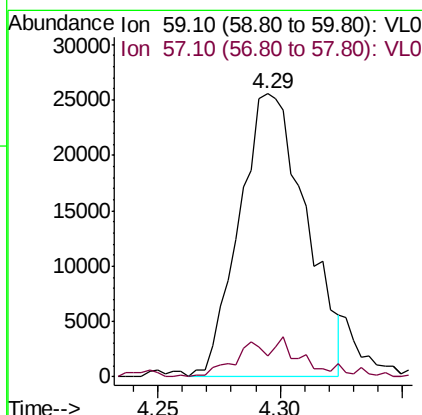
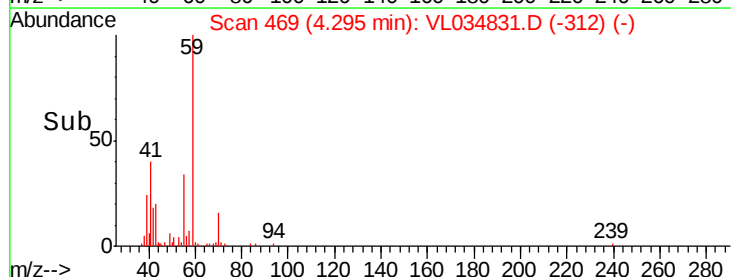
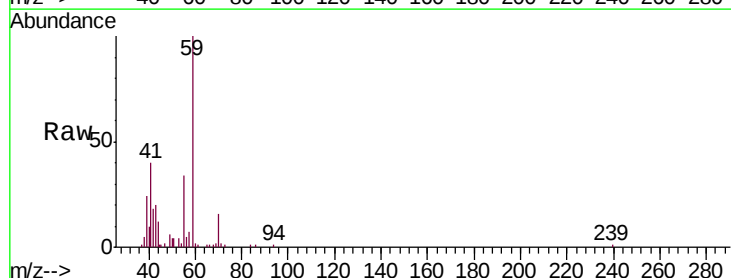
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

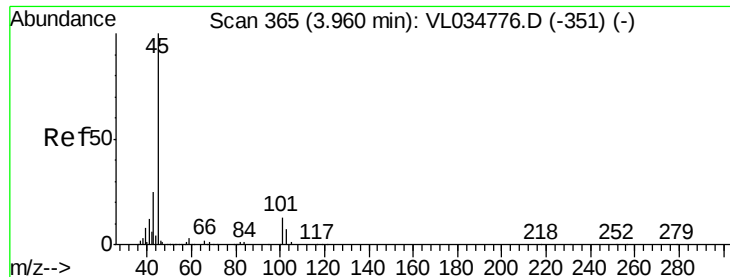
Tgt Ion: 39 Resp: 7459
 Ion Ratio Lower Upper
 39 100
 54 15.6 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.562 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion: 59 Resp: 48306
 Ion Ratio Lower Upper
 59 100
 57 12.9 8.6 13.0





#19

Isopropyl Alcohol

Concen: 0.444 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

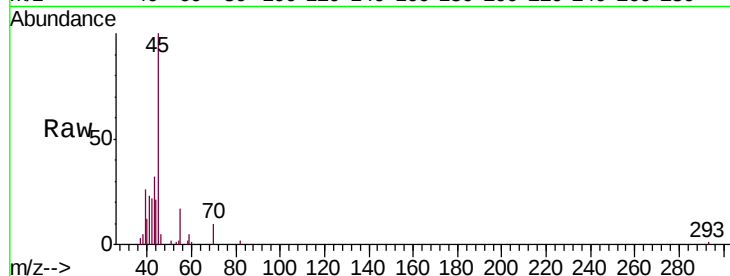
SS-3-4DL2

Tgt Ion: 45 Resp: 29014

Ion Ratio Lower Upper

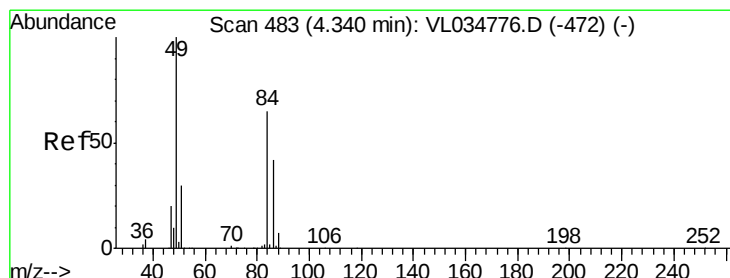
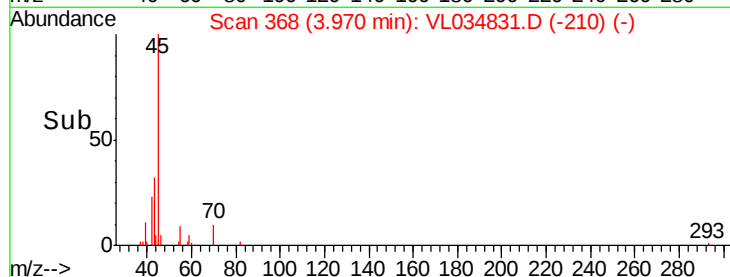
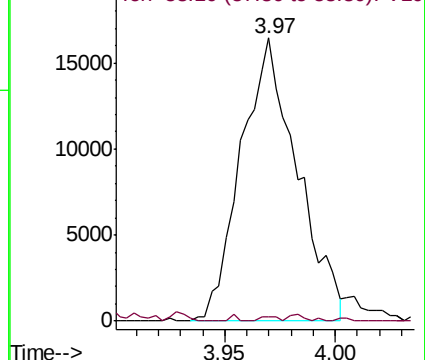
45 100

58 160.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.666 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Tgt Ion: 84 Resp: 25890

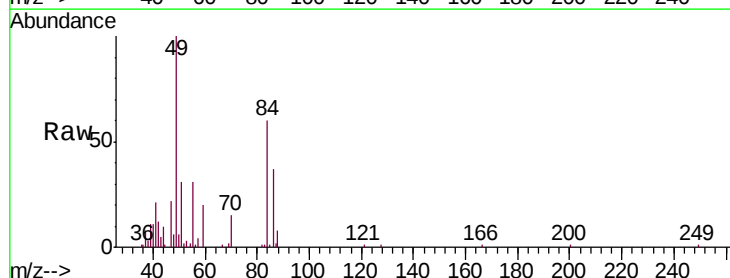
Ion Ratio Lower Upper

84 100

49 162.9 123.2 184.8

51 44.0 37.4 56.2

86 61.6 51.6 77.4

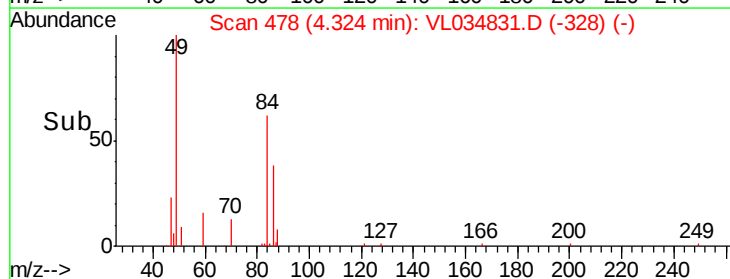
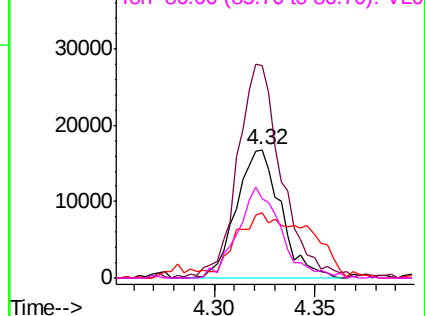


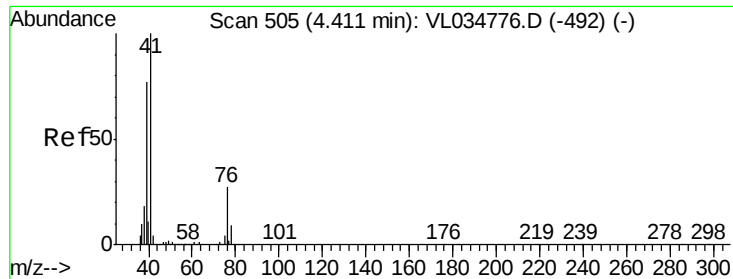
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

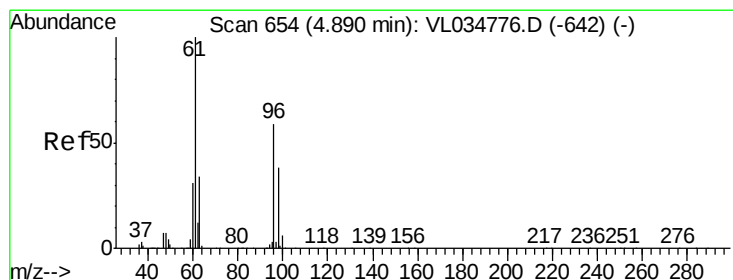
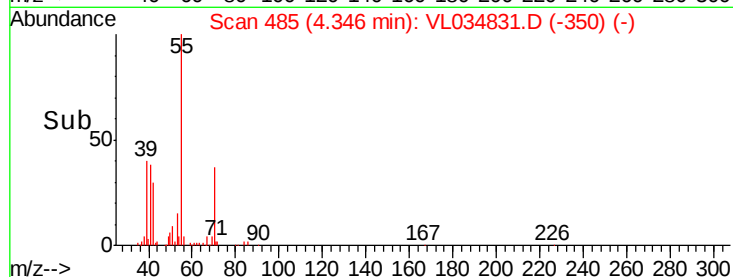
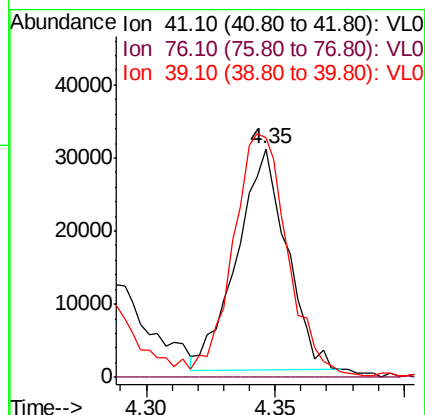
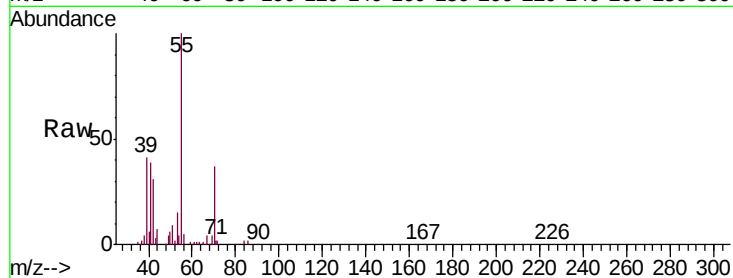




#21
 Allyl Chloride
 Concen: 0.597 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.06 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

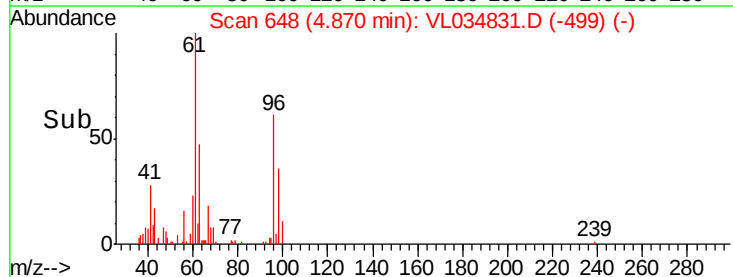
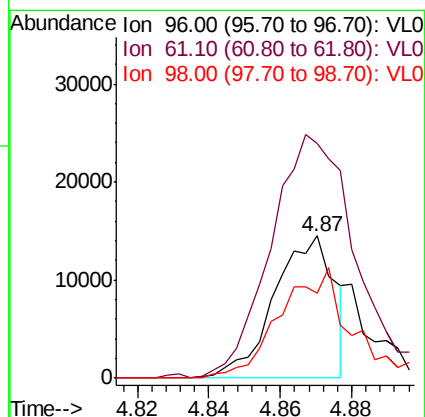
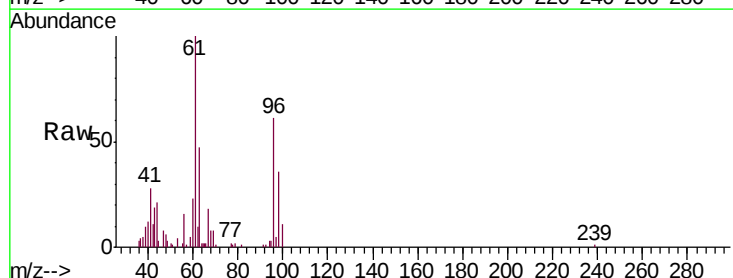
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

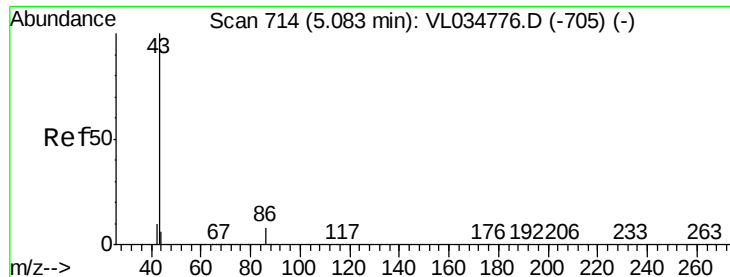
Tgt Ion: 41 Resp: 41215
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.5 33.7#
 39 117.4 65.0 97.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.429 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion: 96 Resp: 16943
 Ion Ratio Lower Upper
 96 100
 61 165.1 135.2 202.8
 98 59.4 50.8 76.2





#23

Vinyl Acetate

Concen: 1.569 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.05 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

Tgt Ion: 43 Resp: 229337

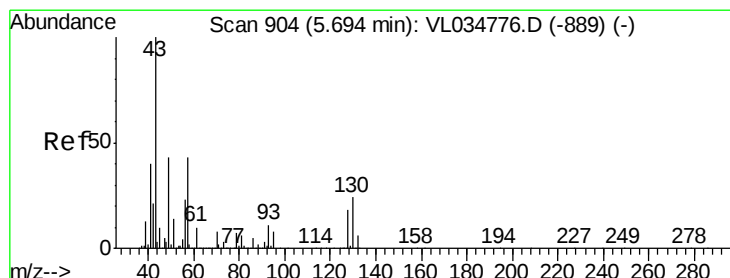
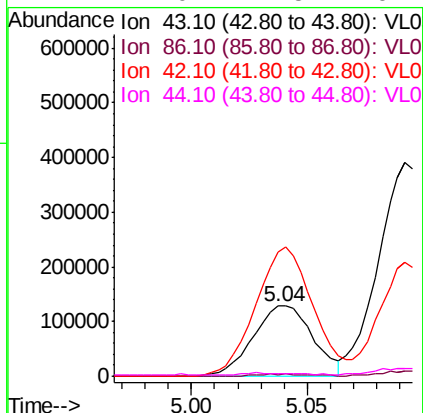
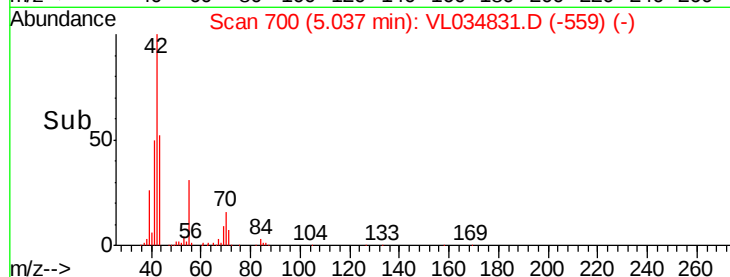
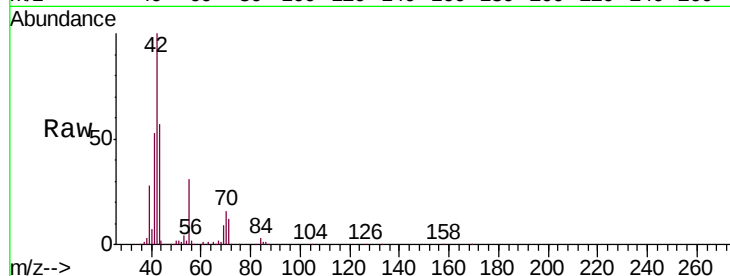
Ion Ratio Lower Upper

43 100

86 2.0 5.9 8.9#

42 177.2 8.2 12.2#

44 2.0 4.5 6.7#



#25

Ethyl Acetate

Concen: 1.243 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Tgt Ion: 43 Resp: 234184

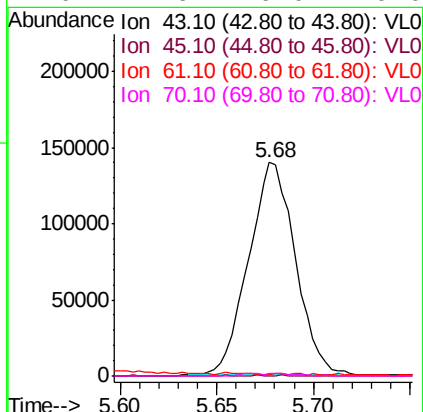
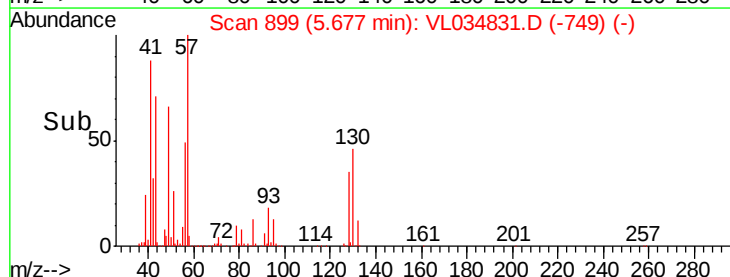
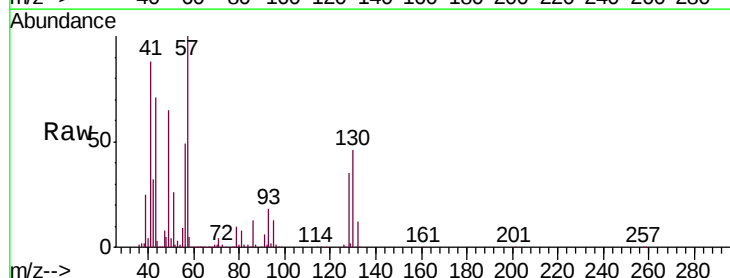
Ion Ratio Lower Upper

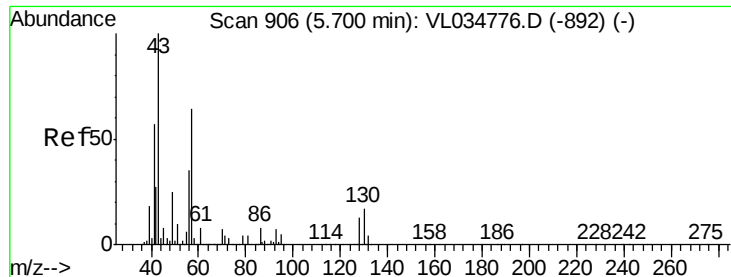
43 100

45 0.3 8.2 12.4#

61 0.0 7.5 11.3#

70 1.6 6.0 9.0#

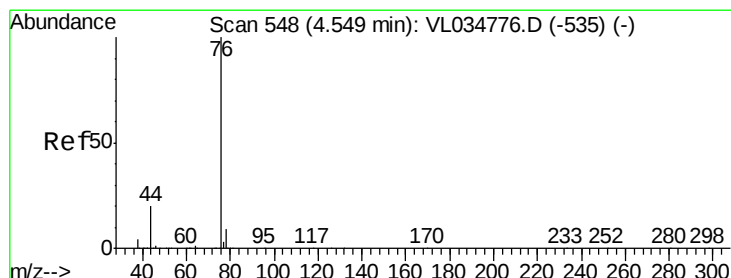
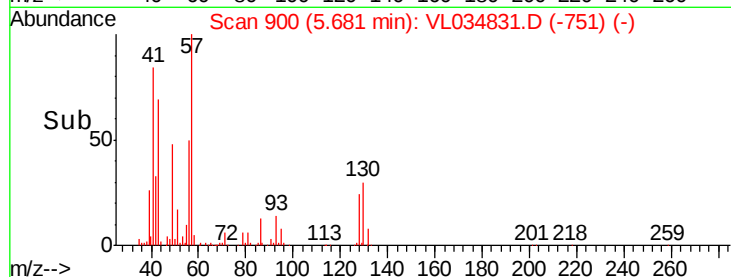
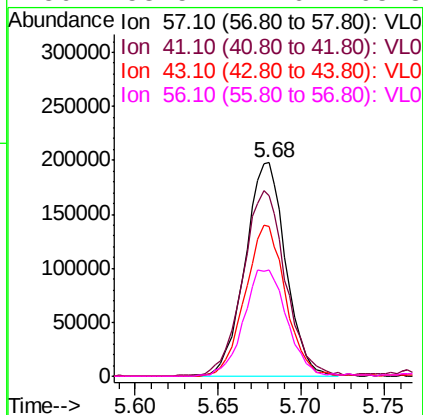
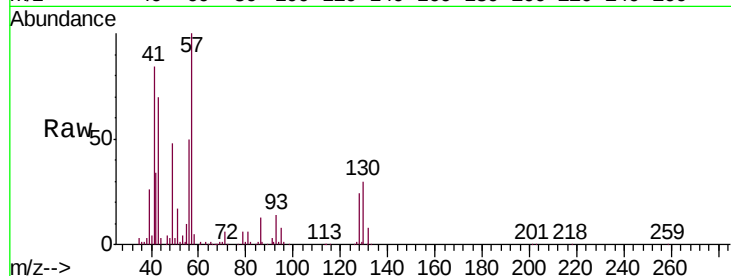




#26
Hexane
Concen: 4.088 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

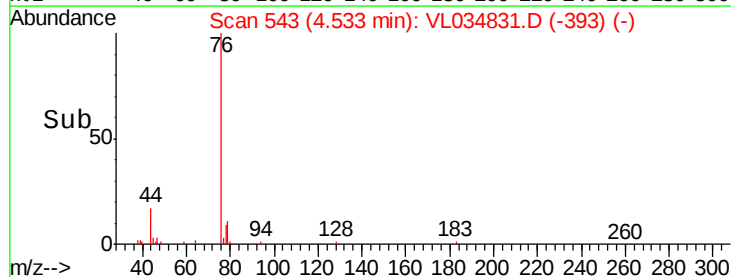
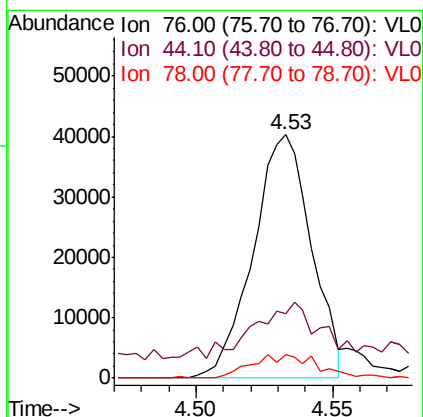
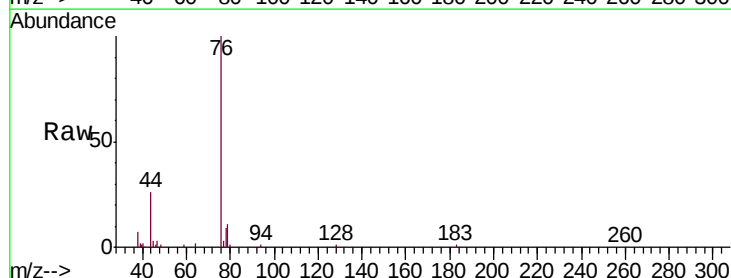
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

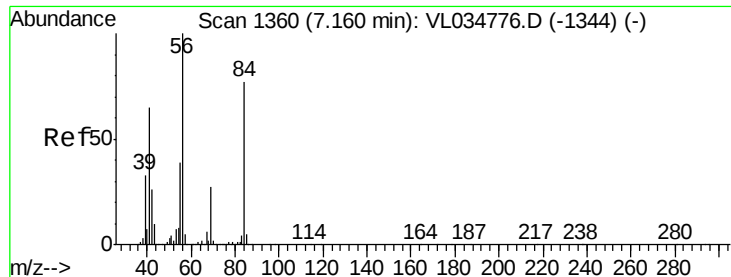
Tgt Ion:	57	Resp:	336380
Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.0	108.0
43	70.9	179.1	268.7#
56	53.5	42.6	63.8



#27
Carbon Disulfide
Concen: 0.620 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion:	76	Resp:	59568
Ion	Ratio	Lower	Upper
76	100		
44	36.1	16.1	24.1#
78	11.2	7.5	11.3

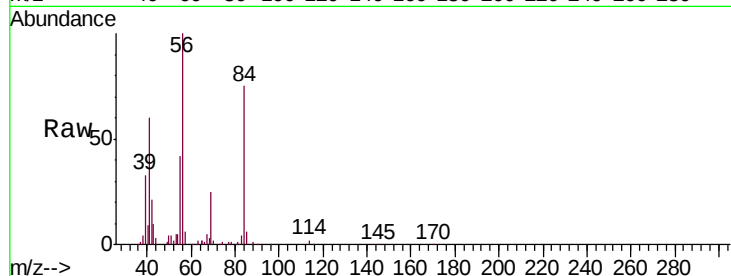




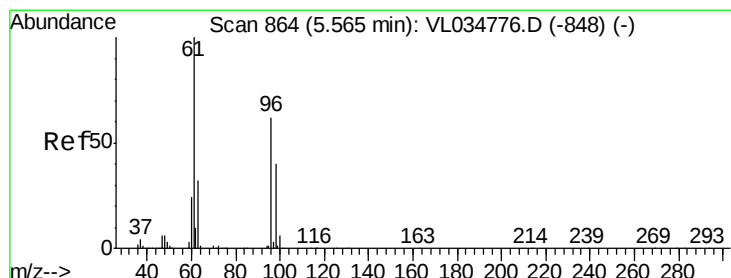
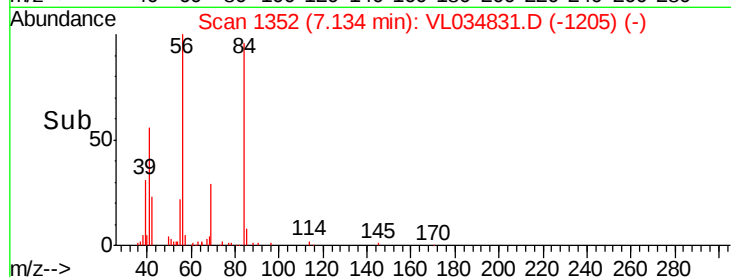
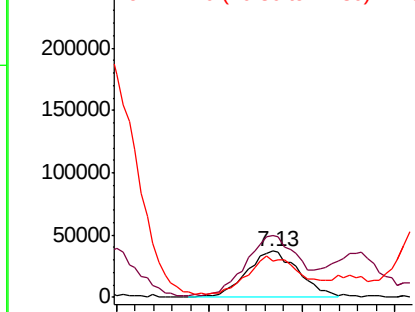
#30
Cyclohexane
Concen: 1.170 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

Tgt Ion: 84 Resp: 73660
Ion Ratio Lower Upper
84 100
56 135.3 113.2 169.8
41 85.6 70.2 105.4

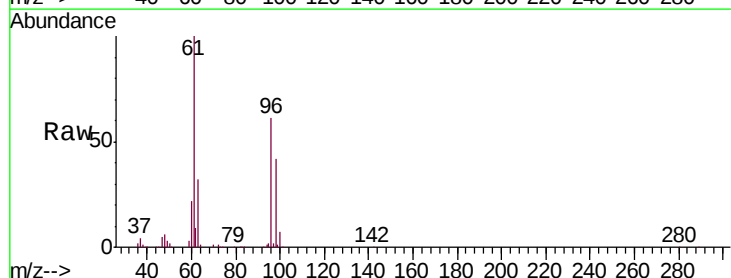


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

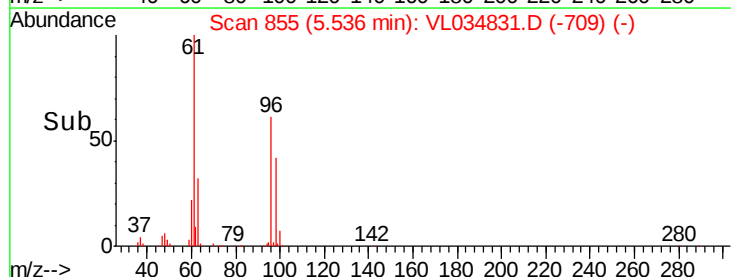
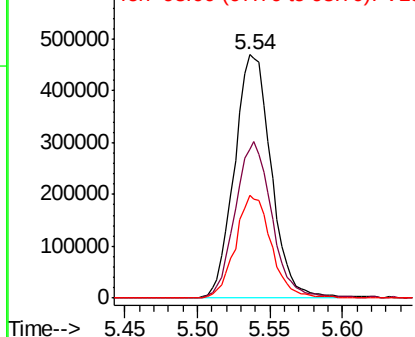


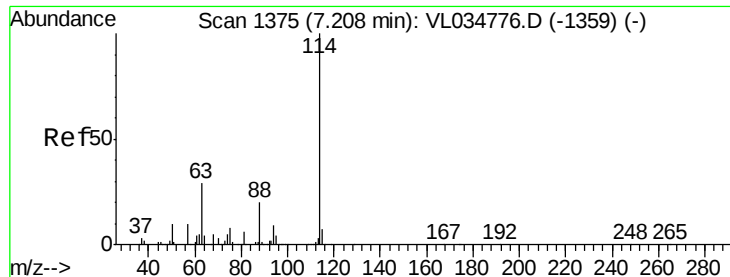
#31
cis-1,2-Dichloroethene
Concen: 9.810 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 61 Resp: 827947
Ion Ratio Lower Upper
61 100
96 61.0 49.7 74.5
98 42.2 31.9 47.9



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

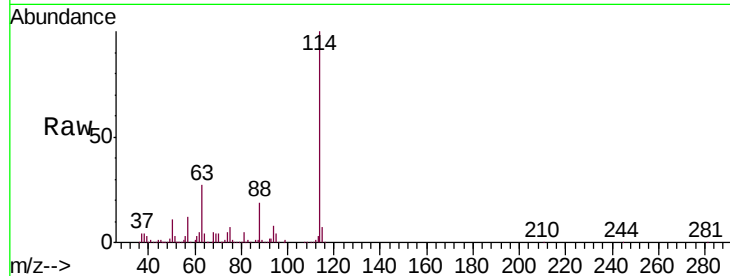




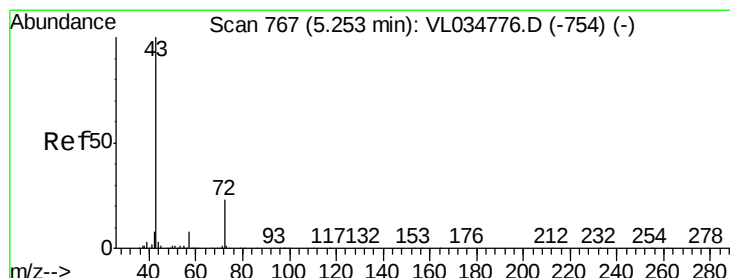
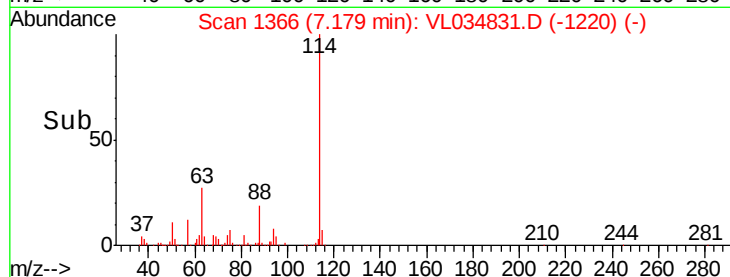
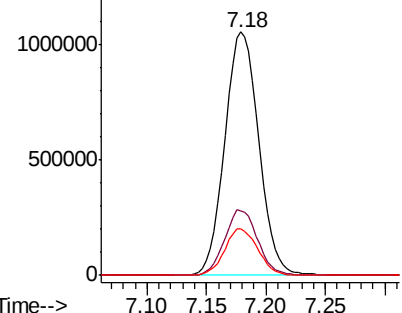
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

Tgt Ion:114 Resp: 2083554
 Ion Ratio Lower Upper
 114 100
 63 26.5 23.6 35.4
 88 18.7 15.8 23.8

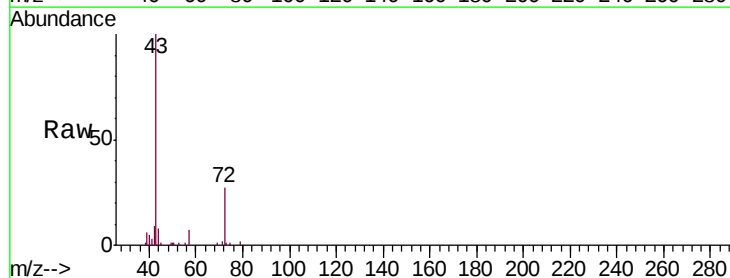


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

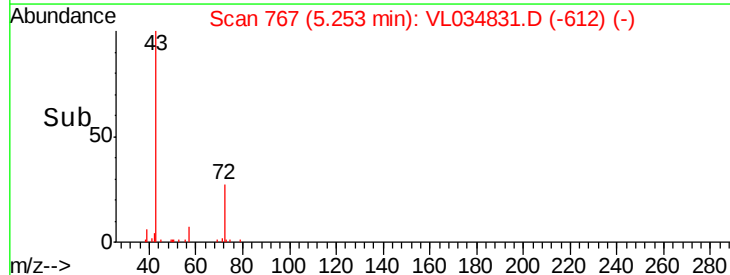
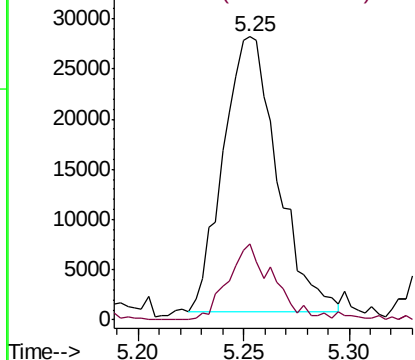


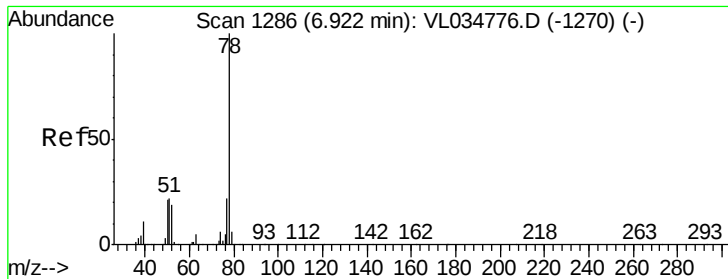
#34
 2-Butanone
 Concen: 0.361 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion: 43 Resp: 48886
 Ion Ratio Lower Upper
 43 100
 72 24.5 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: 5.799 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.03 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

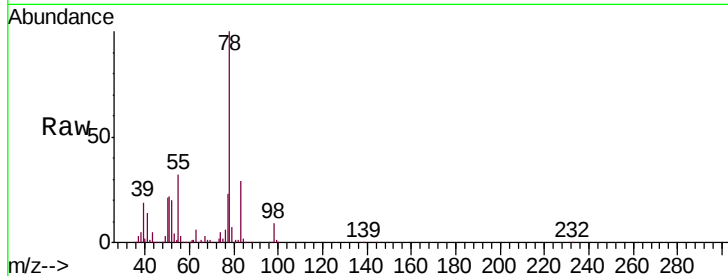
Tgt Ion: 78 Resp: 1032542

Ion Ratio Lower Upper

78 100

77 23.3 18.0 27.0

50 21.2 16.9 25.3



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

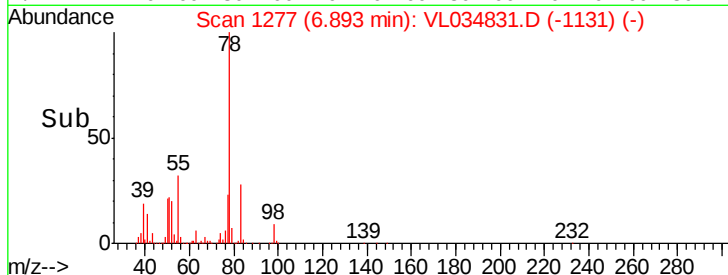
600000

400000

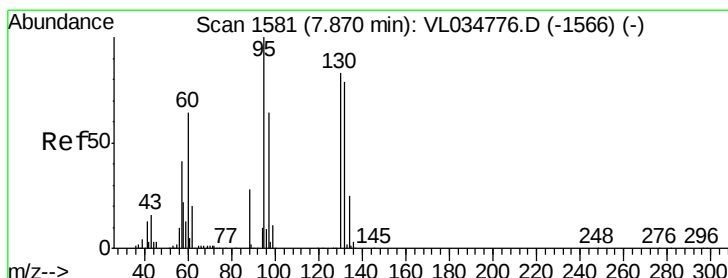
200000

0

6.80 6.85 6.90 6.95



Time-->



#38

Trichloroethene

Concen: 0.395 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.02 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Tgt Ion: 130 Resp: 27429

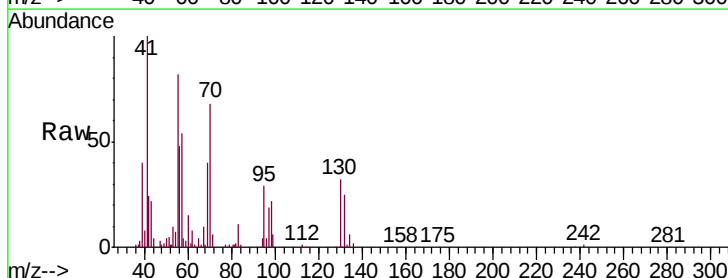
Ion Ratio Lower Upper

130 100

95 76.7 95.8 143.8#

132 70.3 76.1 114.1#

97 49.8 61.1 91.7#



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

25000

20000

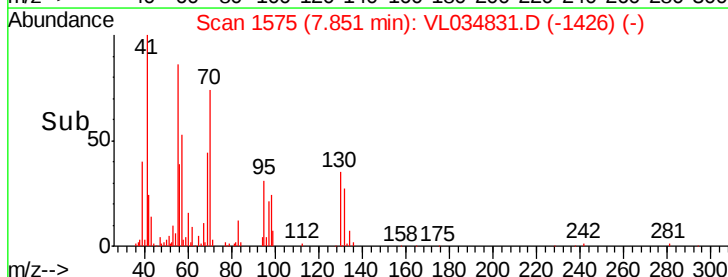
15000

10000

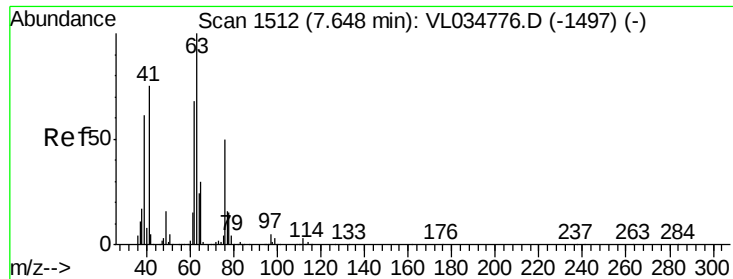
5000

0

7.80 7.82 7.84 7.86 7.88



Time-->



#39

1,2-Dichloropropane

Concen: 7.565 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.47 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

SS-3-4DL2

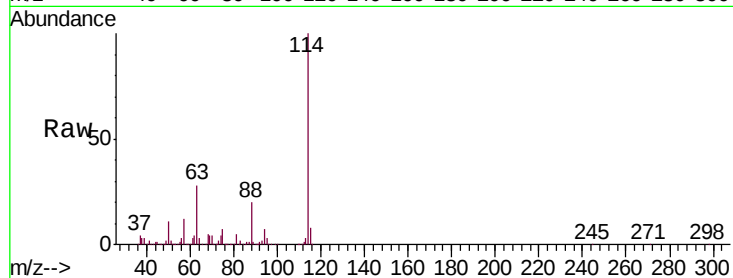
Tgt Ion: 63 Resp: 543534

Ion Ratio Lower Upper

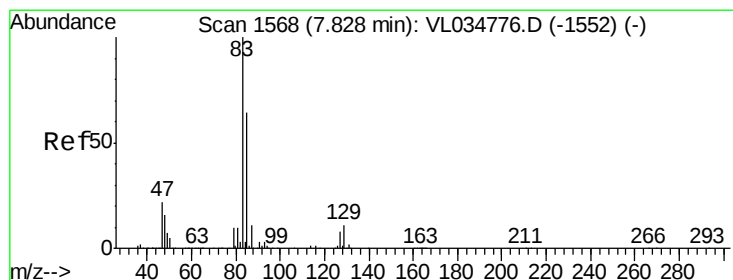
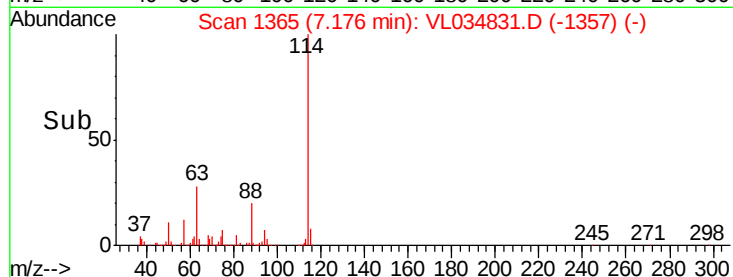
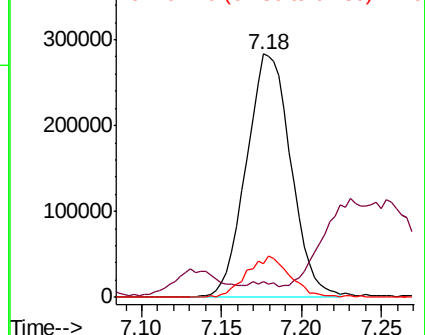
63 100

41 0.0 60.3 90.5#

62 13.8 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



#42

Bromodichloromethane

Concen: 2.724 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.02 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

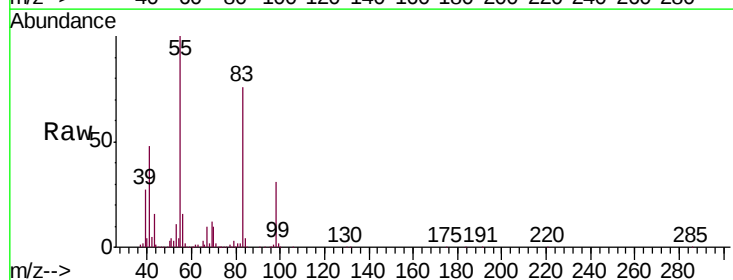
Tgt Ion: 83 Resp: 419107

Ion Ratio Lower Upper

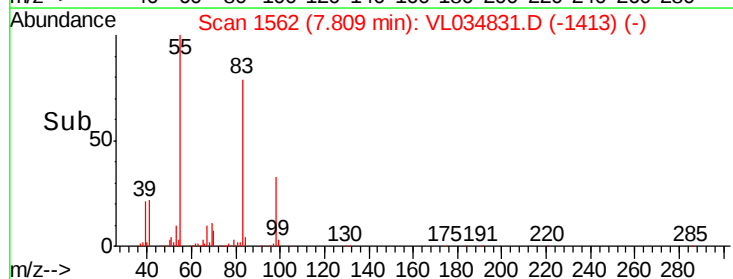
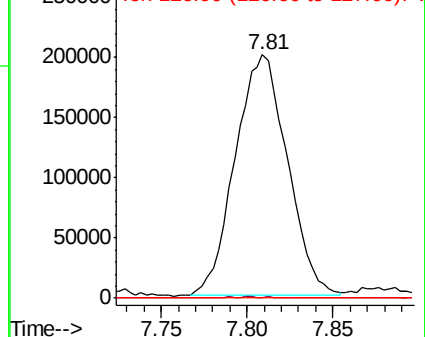
83 100

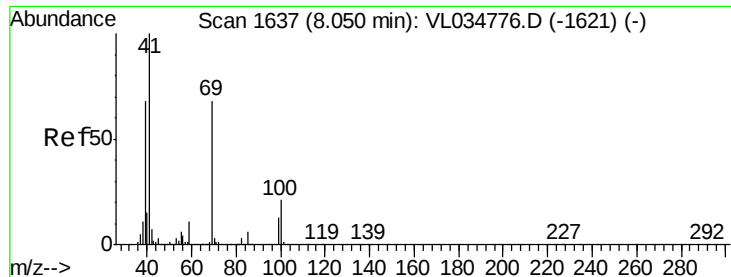
85 0.3 50.8 76.2#

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): V

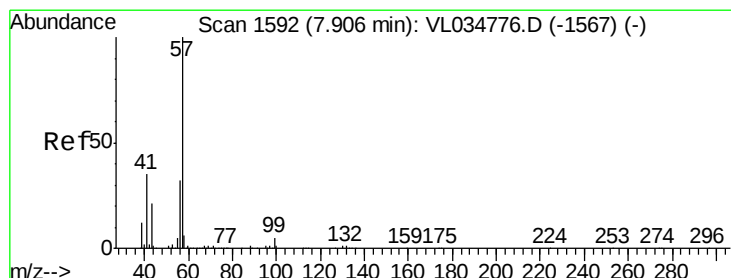
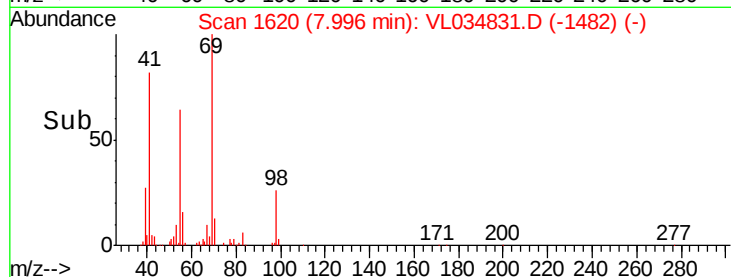
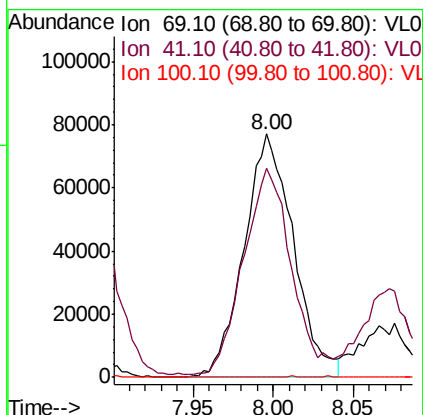
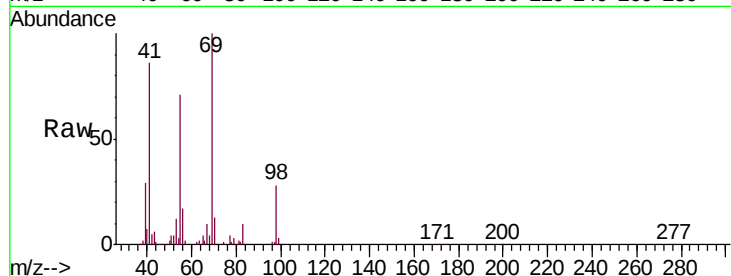




#43
Methyl Methacrylate
Concen: 2.163 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.05 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

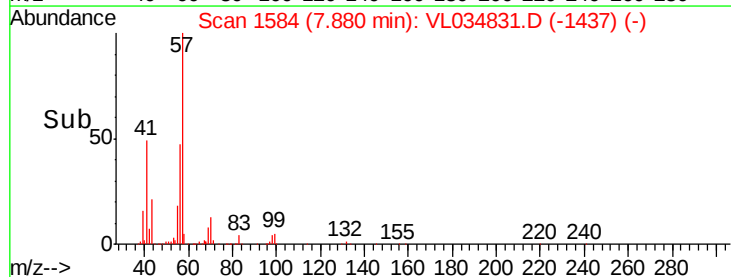
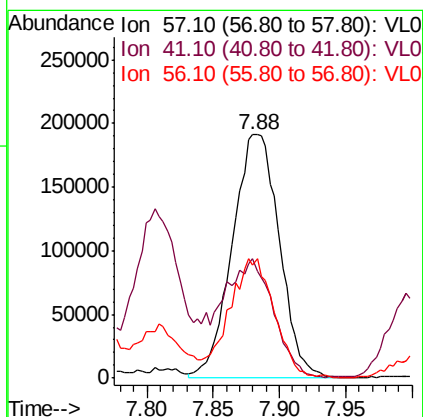
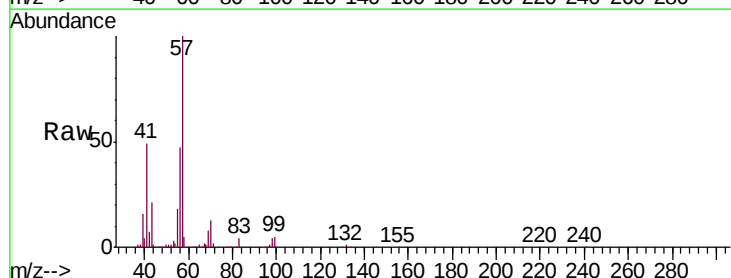
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

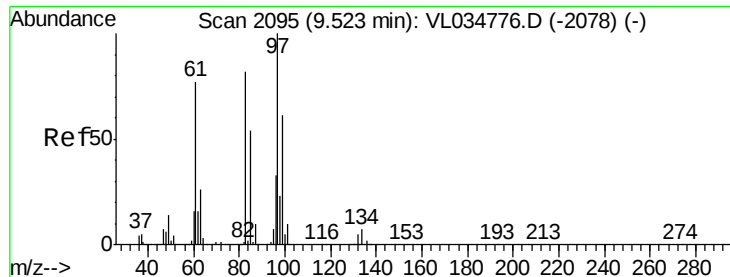
Tgt Ion: 69 Resp: 163222
Ion Ratio Lower Upper
69 100
41 83.1 121.6 182.4#
100 0.0 23.8 35.8#



#44
2,2,4-Trimethylpentane
Concen: 1.516 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 57 Resp: 471680
Ion Ratio Lower Upper
57 100
41 50.0 27.4 41.0#
56 47.8 25.0 37.6#

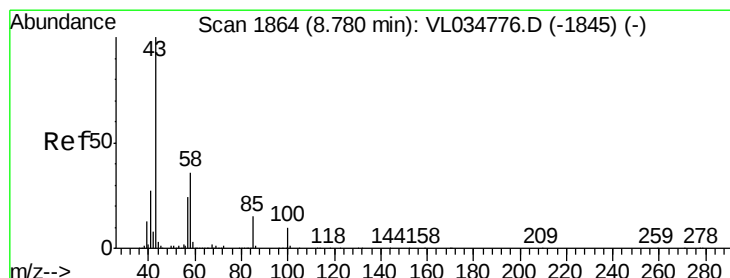
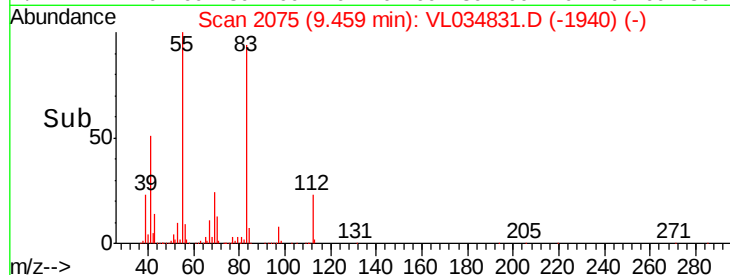
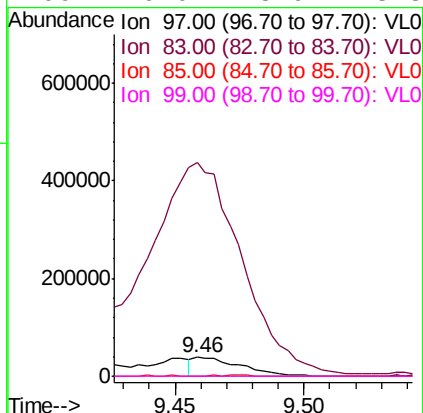
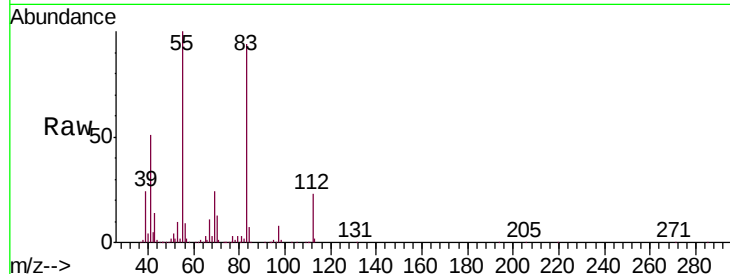




#47
 1,1,2-Trichloroethane
 Concen: 0.638 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.06 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

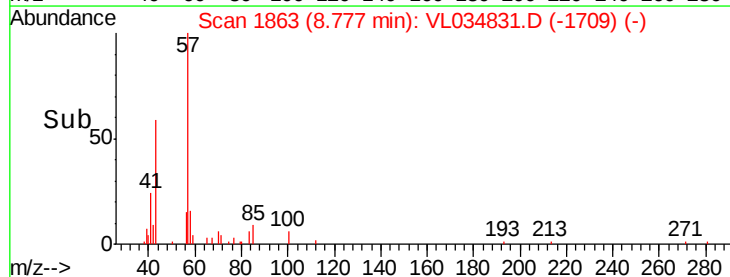
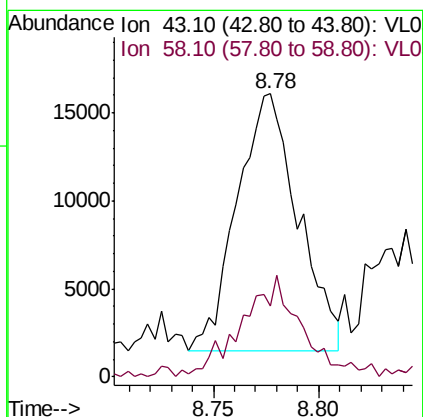
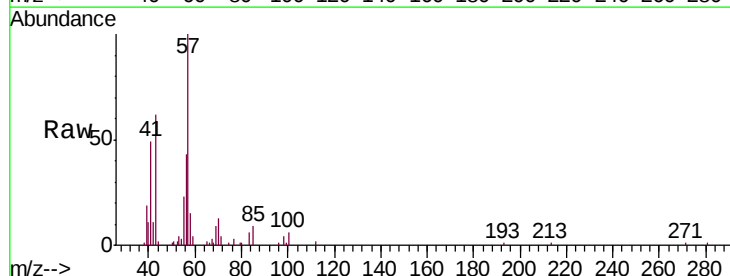
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

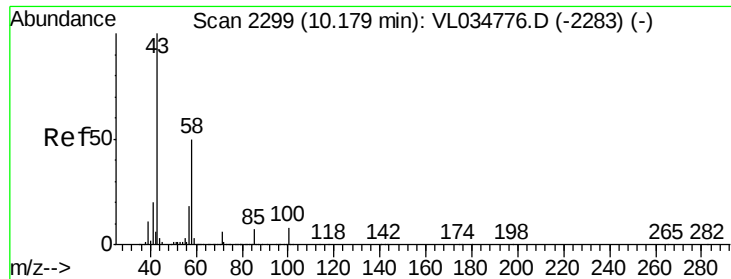
Tgt Ion: 97 Resp: 48403
 Ion Ratio Lower Upper
 97 100
 83 1130.4 65.2 97.8#
 85 0.1 43.6 65.4#
 99 0.0 48.9 73.3#



#50
 4-Methyl-2-Pentanone
 Concen: 0.152 ppbv
 RT: 8.78 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion: 43 Resp: 29587
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.7 43.1#

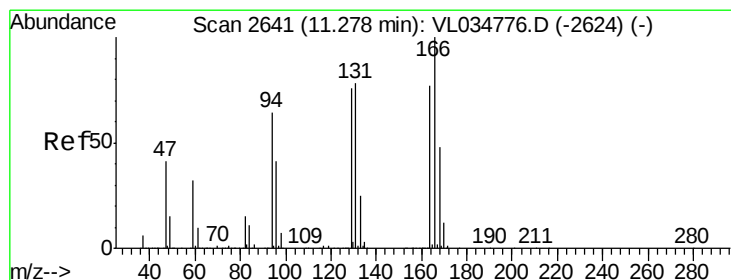
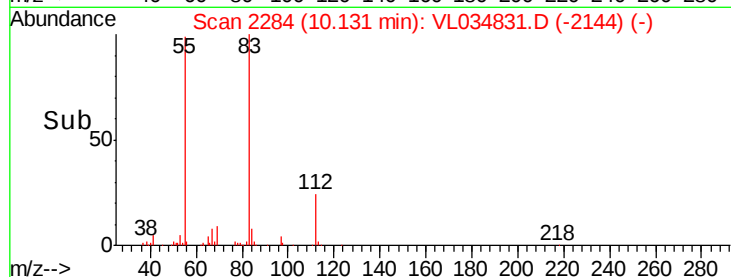
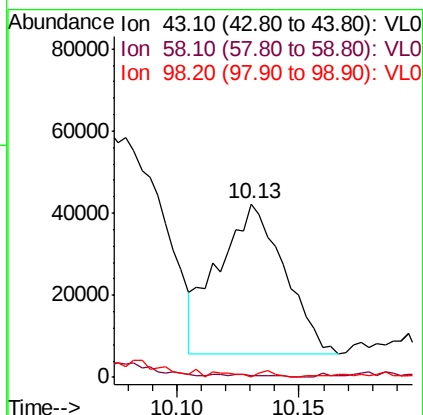
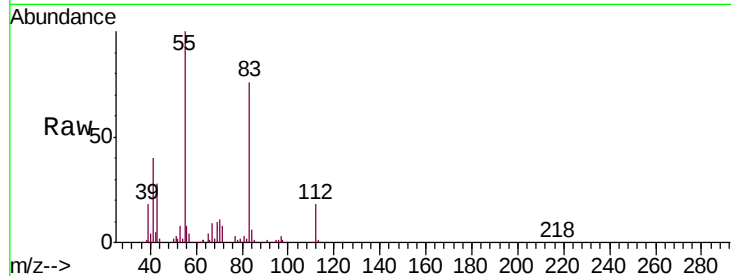




#51
2-Hexanone
Concen: 0.452 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.05 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

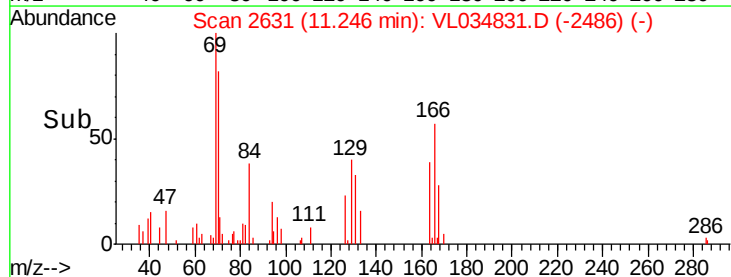
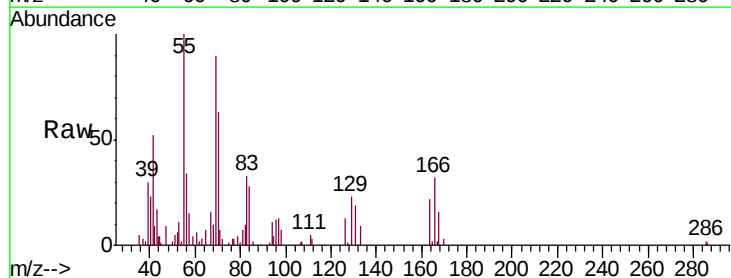
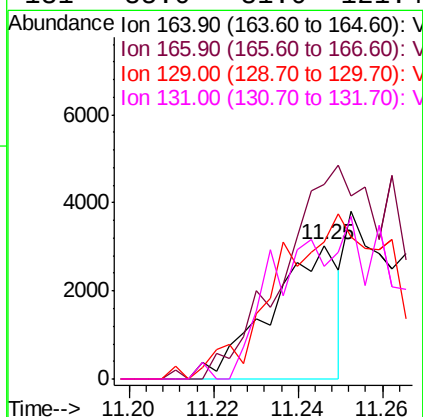
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

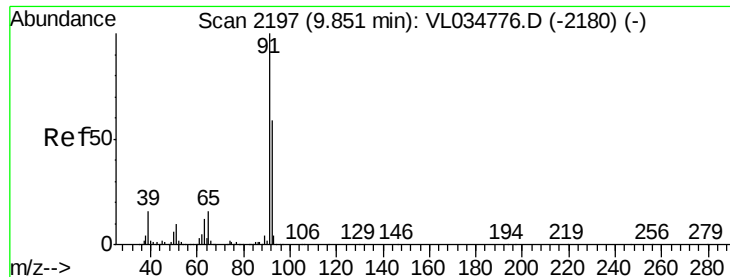
Tgt Ion: 43 Resp: 68837
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0#
98 2.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.052 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 164 Resp: 3410
Ion Ratio Lower Upper
164 100
166 146.2 103.3 154.9
129 102.5 79.0 118.4
131 85.0 81.0 121.4





#53

Toluene

Concen: 2.558 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

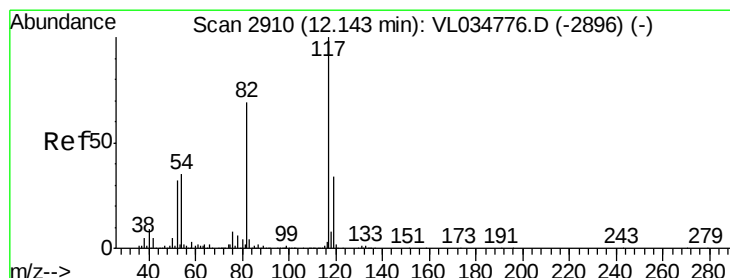
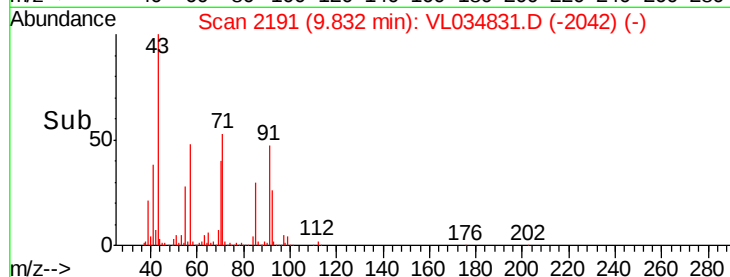
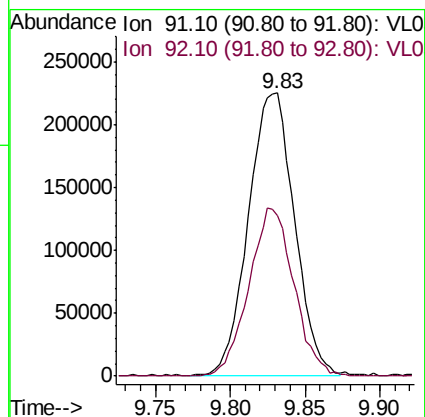
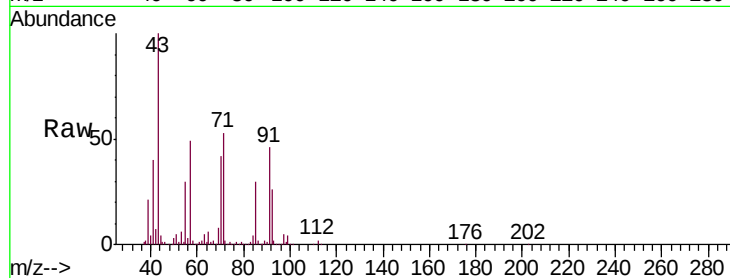
SS-3-4DL2

Tgt Ion: 91 Resp: 482016

Ion Ratio Lower Upper

91 100

92 58.0 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.03 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

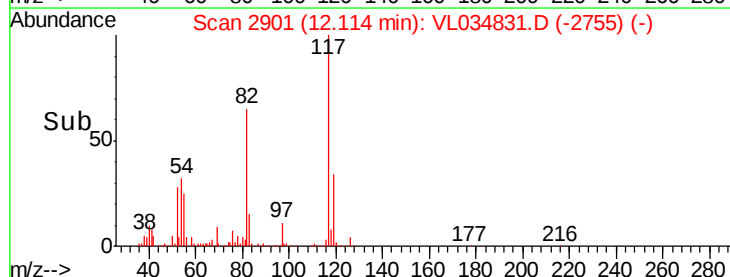
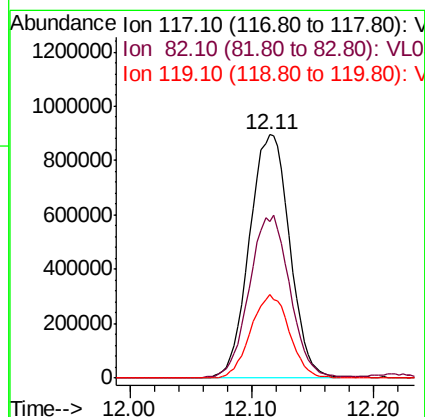
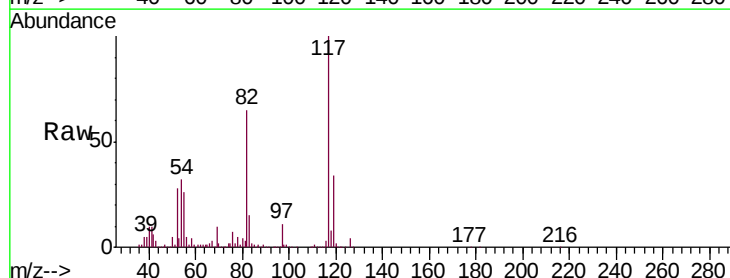
Tgt Ion: 117 Resp: 2043937

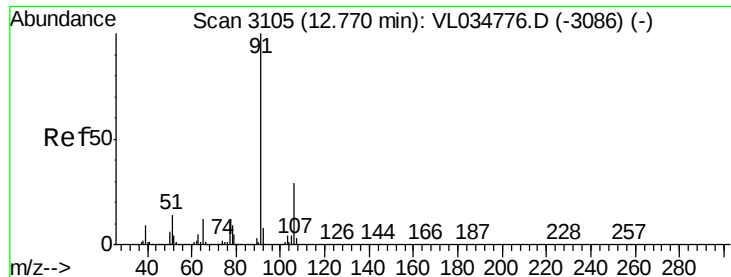
Ion Ratio Lower Upper

117 100

82 67.6 53.9 80.9

119 32.9 25.0 37.4





#58

Ethyl Benzene

Concen: 5.223 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. -0.03 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

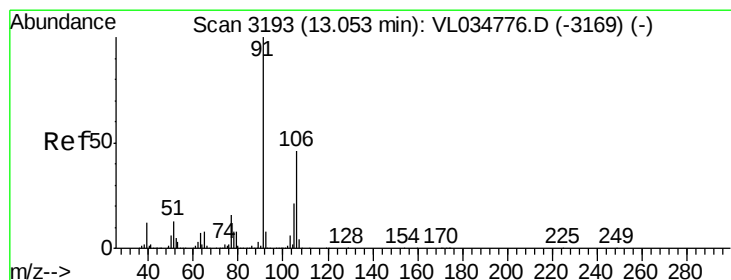
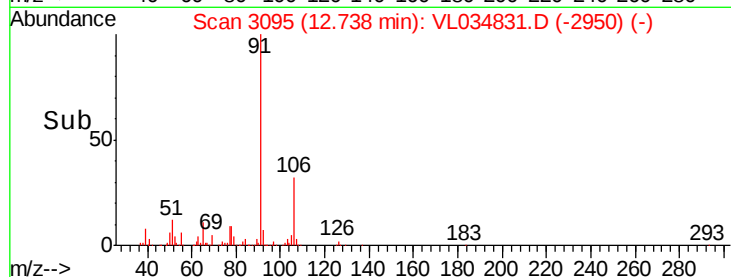
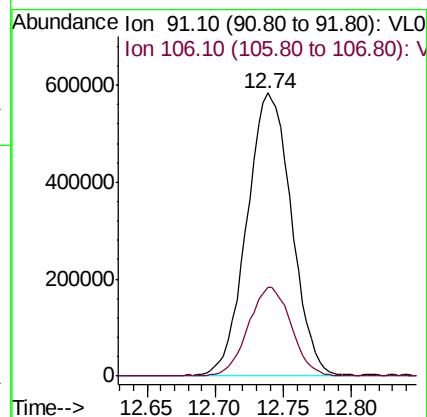
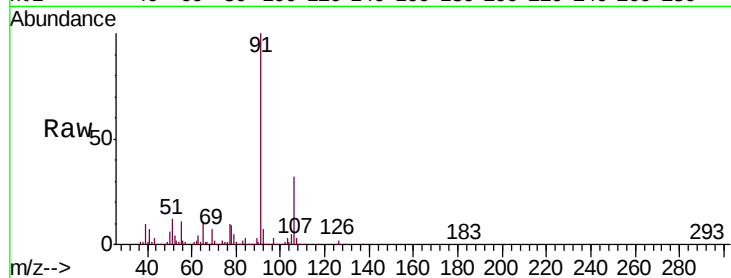
SS-3-4DL2

Tgt Ion: 91 Resp: 1315603

Ion Ratio Lower Upper

91 100

106 31.7 22.8 34.2



#59

m/p-Xylene

Concen: 17.226 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.06 min

Lab File: VL034831.D

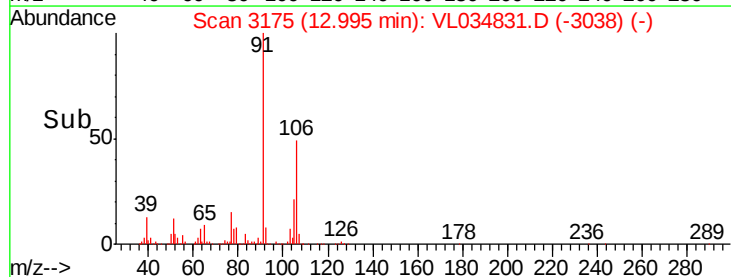
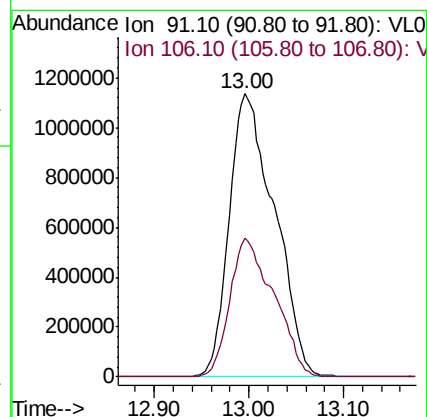
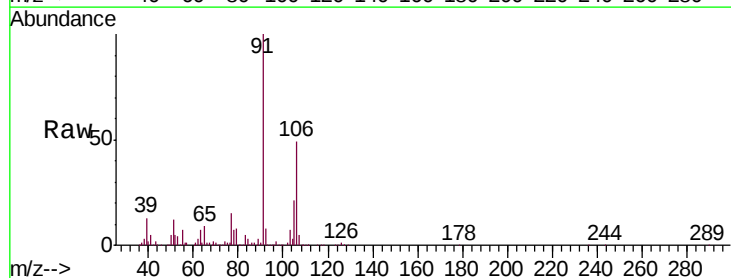
Acq: 7 Mar 2020 1:39

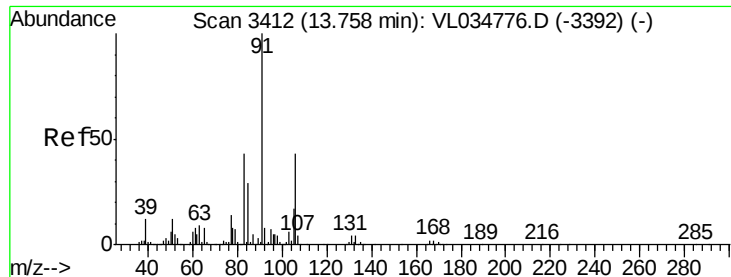
Tgt Ion: 91 Resp: 3756029

Ion Ratio Lower Upper

91 100

106 48.1 35.8 53.8

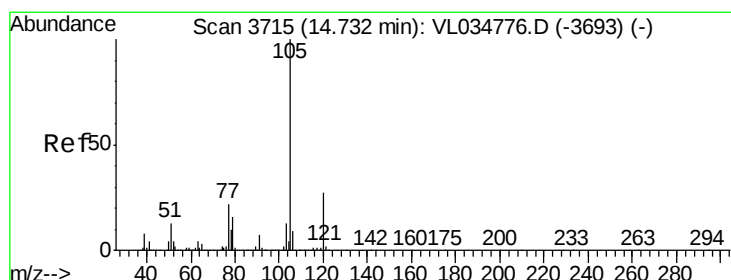
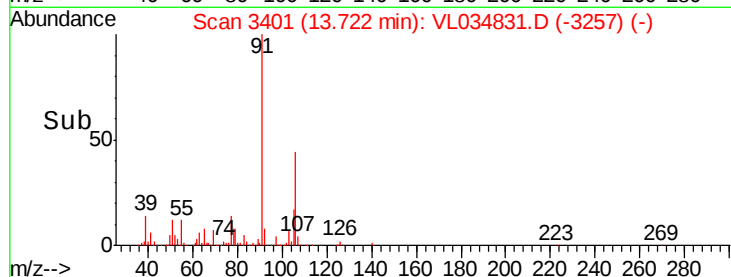
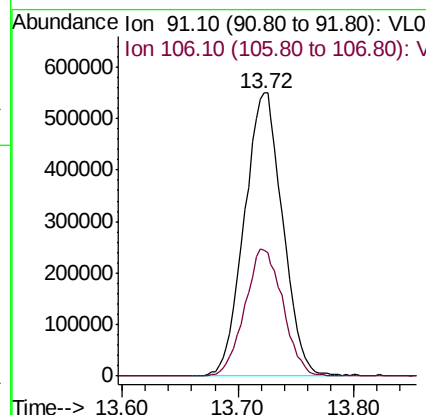
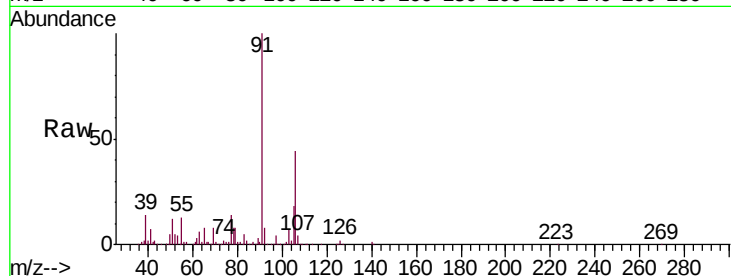




#60
o-Xylene
Concen: 5.688 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

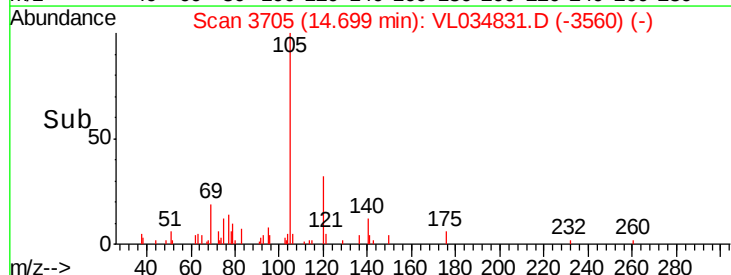
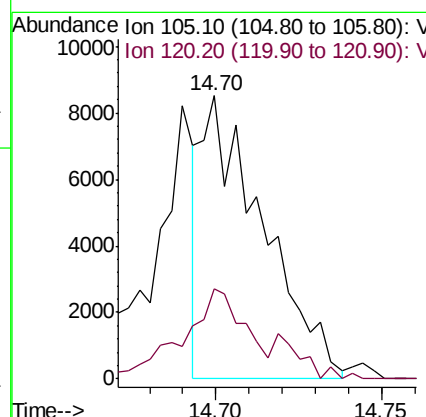
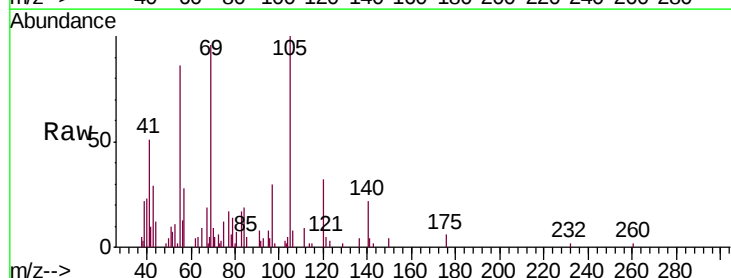
Instrument :
MSVOA_L
ClientSampleId :
SS-3-4DL2

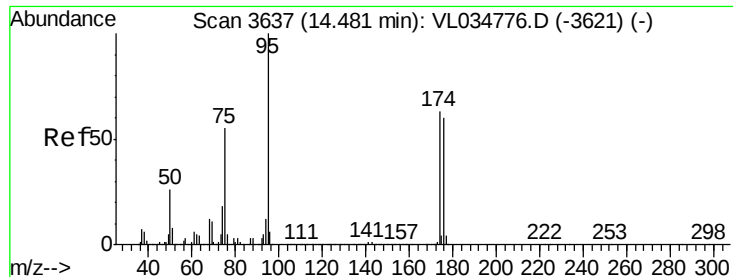
Tgt Ion: 91 Resp: 1254911
Ion Ratio Lower Upper
91 100
106 44.9 21.7 65.1



#62
Isopropylbenzene
Concen: 0.034 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.03 min
Lab File: VL034831.D
Acq: 7 Mar 2020 1:39

Tgt Ion: 105 Resp: 10883
Ion Ratio Lower Upper
105 100
120 41.0 20.5 30.7#

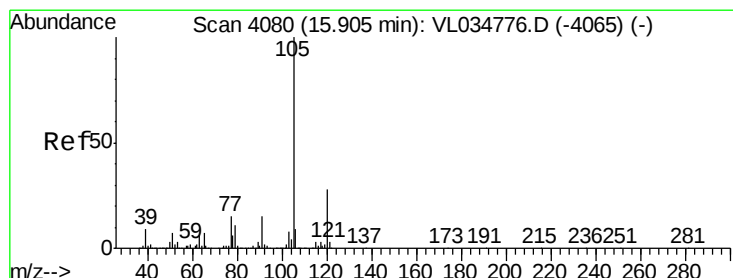
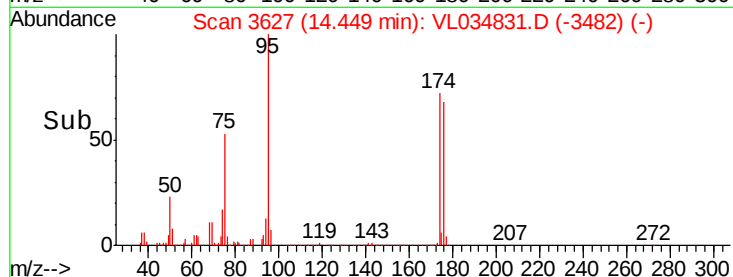
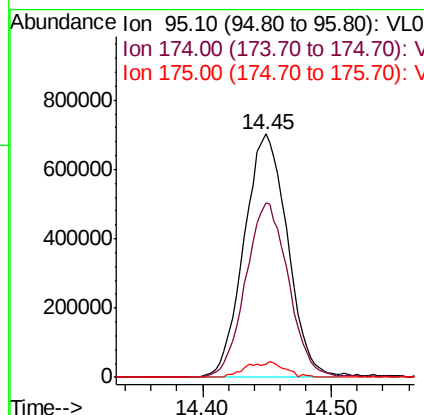
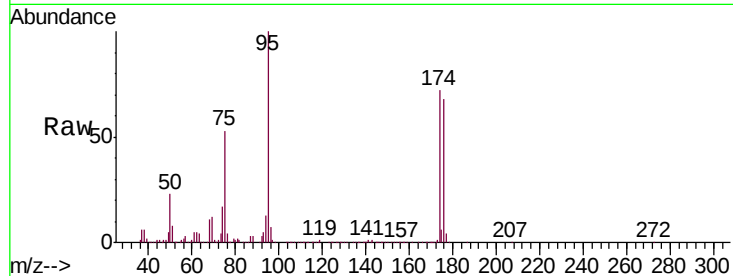




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.641 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.03 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

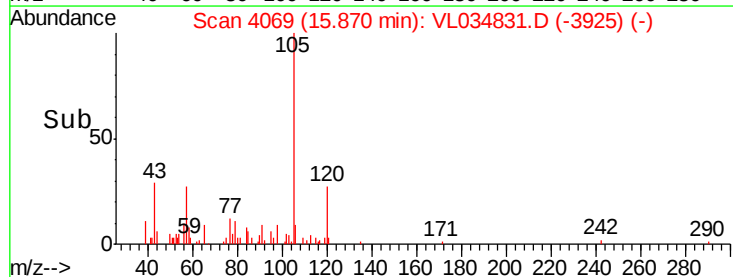
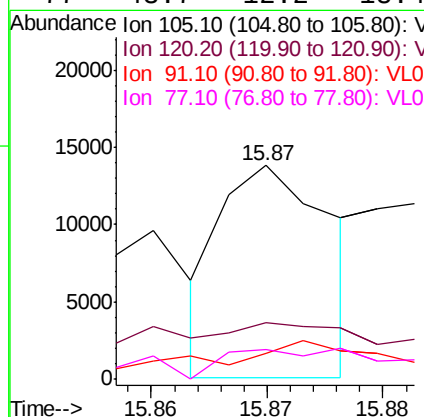
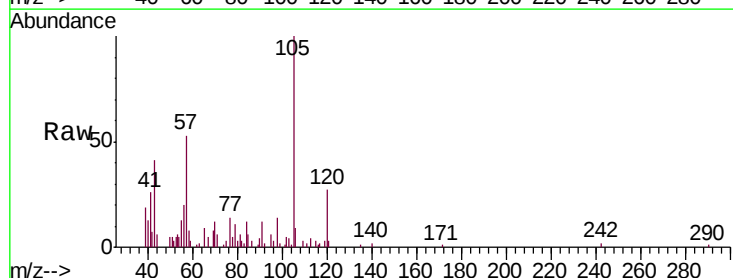
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-3-4DL2

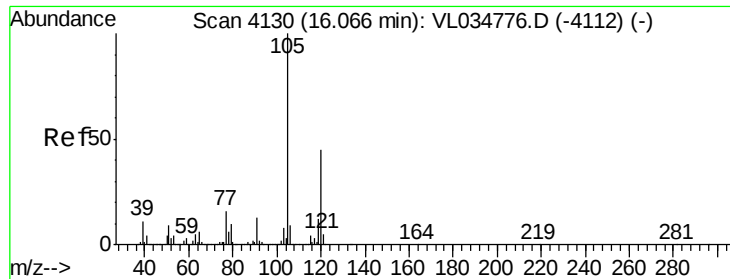
Tgt Ion: 95 Resp: 1643091
 Ion Ratio Lower Upper
 95 100
 174 71.5 50.6 76.0
 175 5.8 3.8 5.6#



#72
 4-Ethyltoluene
 Concen: 0.037 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.04 min
 Lab File: VL034831.D
 Acq: 7 Mar 2020 1:39

Tgt Ion: 105 Resp: 9105
 Ion Ratio Lower Upper
 105 100
 120 78.3 23.0 34.6#
 91 41.5 11.1 16.7#
 77 43.7 12.2 18.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.042 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.04 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Instrument :

MSVOA_L

ClientSampleId :

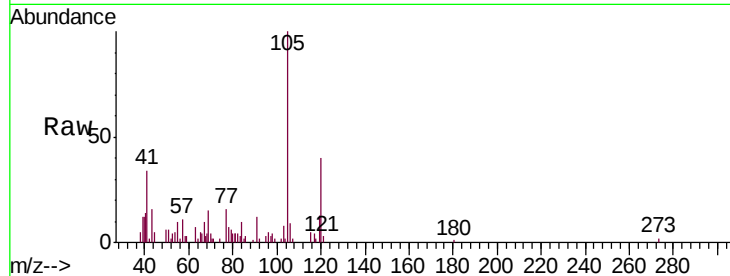
SS-3-4DL2

Tgt Ion:105 Resp: 9880

Ion Ratio Lower Upper

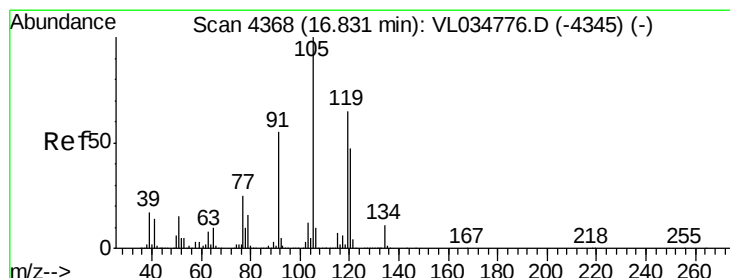
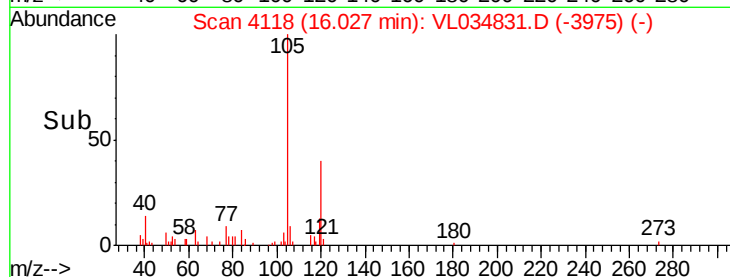
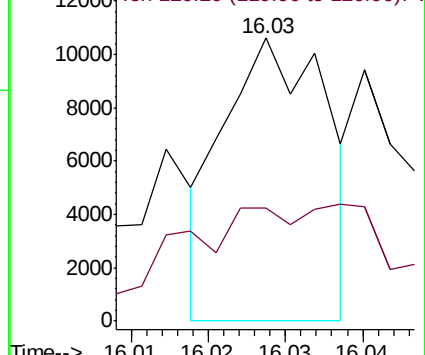
105 100

120 9.5 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.048 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.04 min

Lab File: VL034831.D

Acq: 7 Mar 2020 1:39

Tgt Ion:105 Resp: 12368

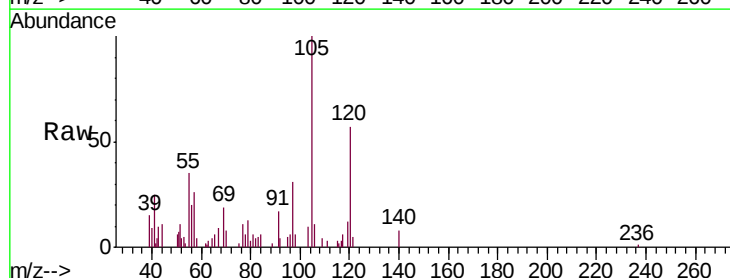
Ion Ratio Lower Upper

105 100

120 51.2 37.8 56.6

91 16.9 43.8 65.8#

77 10.2 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

