

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035761.D
 Acq On : 12 Oct 2020 14:38
 Operator : SY/AP
 Sample : L4347-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2

Quant Time: Oct 13 00:03:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1089184	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4395146	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4263677	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3212676	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

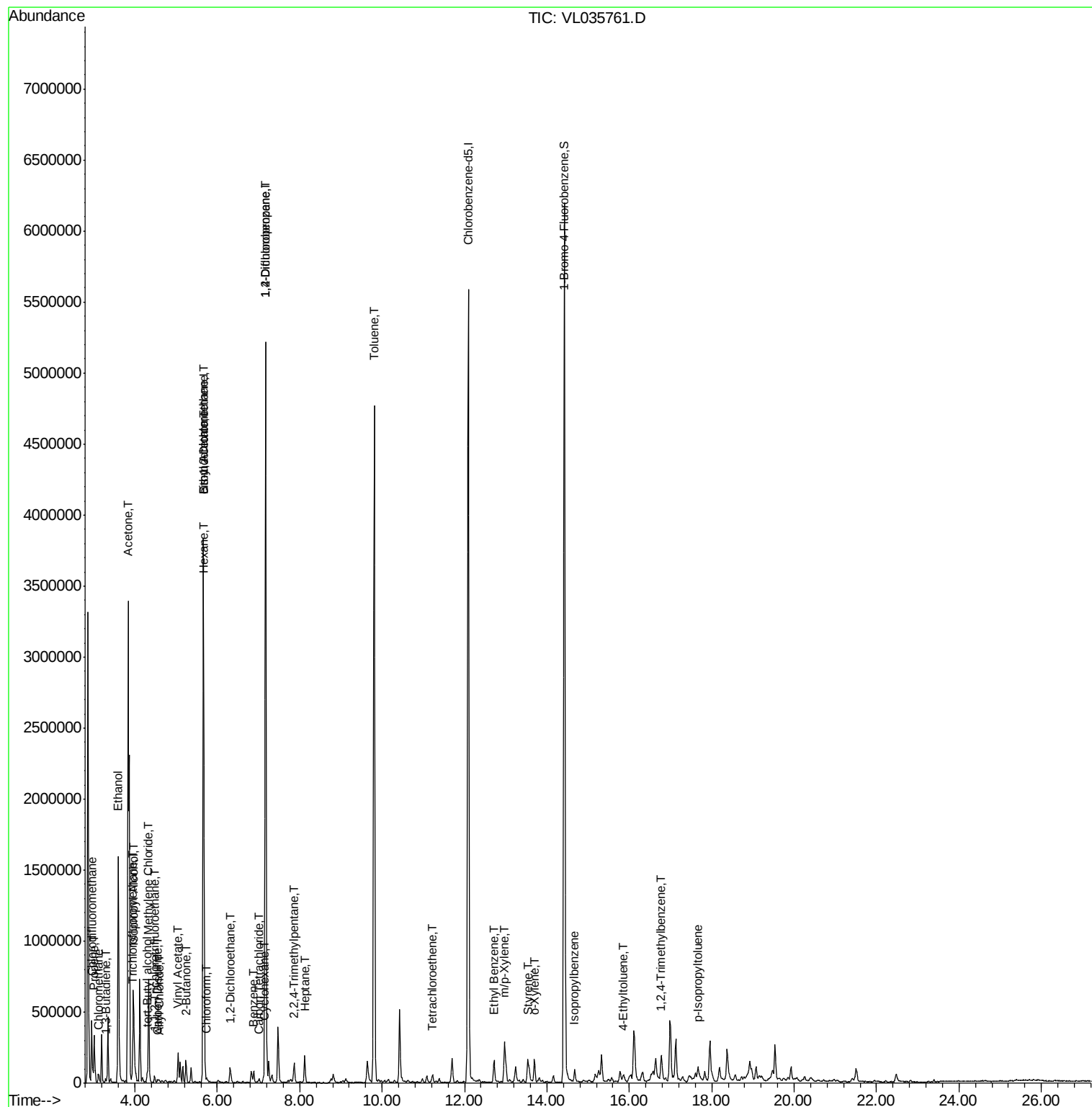
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.95	51	297434	2.538	ppbv #	64
4) Chloromethane	3.13	50	34063	0.541	ppbv	96
9) Propene	3.01	41	68594	1.612	ppbv #	72
10) Heptane	8.12	43	61452	0.518	ppbv	94
11) Trichlorofluoromethane	3.94	101	65409	0.257	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	15033	0.079	ppbv	99
13) Ethanol	3.59	45	1696052	161.655	ppbv	98
15) Acetone	3.83	43	3680690	31.406	ppbv	97
16) 1,3-Butadiene	3.29	39	7917	0.185	ppbv #	1
17) tert-Butyl alcohol	4.30	59	28946	0.227	ppbv #	72
19) Isopropyl Alcohol	3.96	45	736181	11.547	ppbv #	1
20) Methylene Chloride	4.33	84	300102	3.486	ppbv	96
21) Allyl Chloride	4.58	41	2855	0.050	ppbv #	1
23) Vinyl Acetate	5.05	43	61140	0.426	ppbv #	1
25) Ethyl Acetate	5.67	43	523157	2.481	ppbv	96
26) Hexane	5.68	57	177641	1.537	ppbv #	51
27) Carbon Disulfide	4.54	76	5333	0.031	ppbv #	18
29) Chloroform	5.74	83	11919	0.051	ppbv	98
30) Cyclohexane	7.13	84	13748	0.121	ppbv #	21
31) cis-1,2-Dichloroethene	5.67	61	75721	0.679	ppbv #	13
34) 2-Butanone	5.24	43	155757	1.071	ppbv	98
35) Carbon Tetrachloride	7.01	117	11041	0.048	ppbv	96
36) Benzene	6.89	78	65227	0.228	ppbv	94
37) 1,2-Dichloroethane	6.30	62	5714	0.038	ppbv	99
39) 1,2-Dichloropropane	7.17	63	841937	8.111	ppbv #	30
44) 2,2,4-Trimethylpentane	7.87	57	111061	0.270	ppbv #	89
52) Tetrachloroethene	11.23	164	13989	0.102	ppbv	94
53) Toluene	9.81	91	4190545	12.409	ppbv	100
58) Ethyl Benzene	12.72	91	146365	0.342	ppbv	92
59) m/p-Xylene	12.97	91	312936	0.837	ppbv	98
60) o-Xylene	13.70	91	75601	0.200	ppbv #	52
61) Styrene	13.54	104	100264	0.384	ppbv	98
62) Isopropylbenzene	14.67	105	43609	0.074	ppbv #	66
69) p-Isopropyltoluene	17.67	119	43588	0.073	ppbv #	74
72) 4-Ethyltoluene	15.85	105	21629	0.048	ppbv #	89
74) 1,2,4-Trimethylbenzene	16.77	105	99743	0.209	ppbv #	72

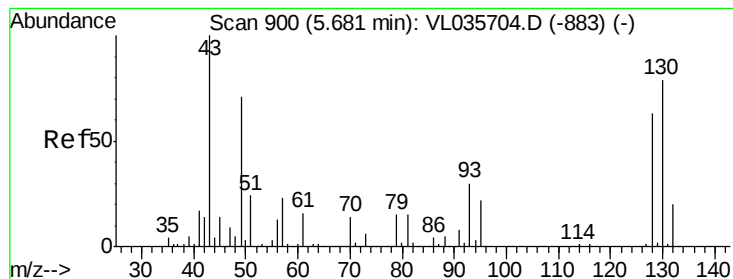
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

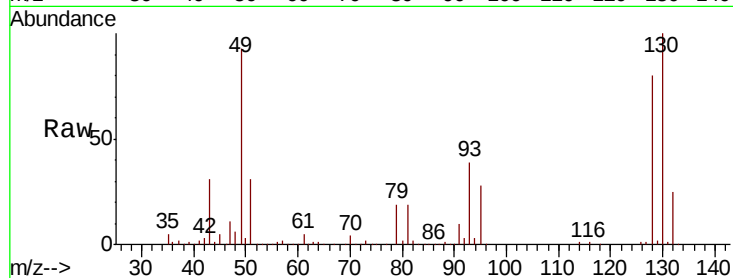
Tot Ion: 49 Resp: 1089184

Ion Ratio Lower Upper

49 100

128 85.3 43.1 129.4

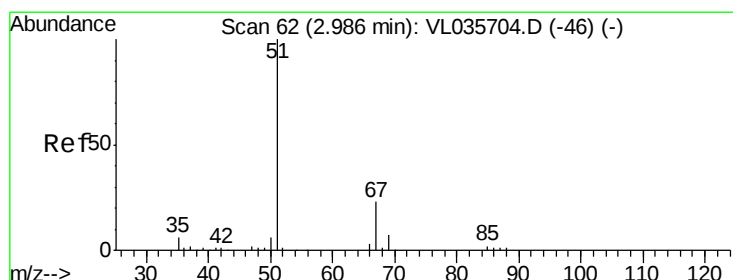
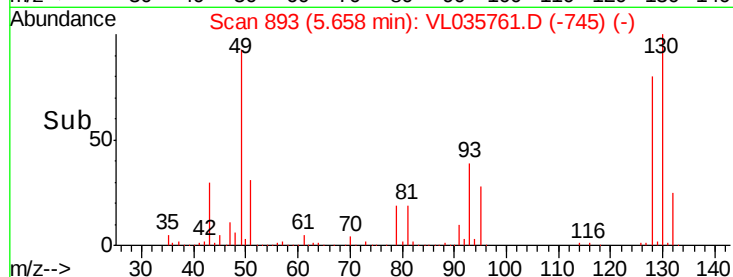
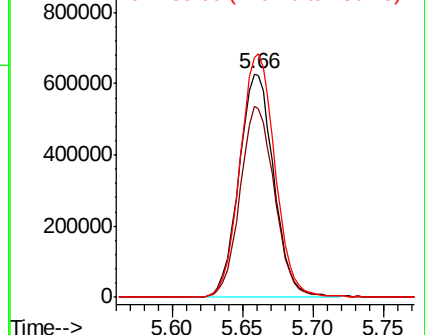
130 110.2 54.9 164.7



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: 2.538 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.04 min

Lab File: VL035761.D

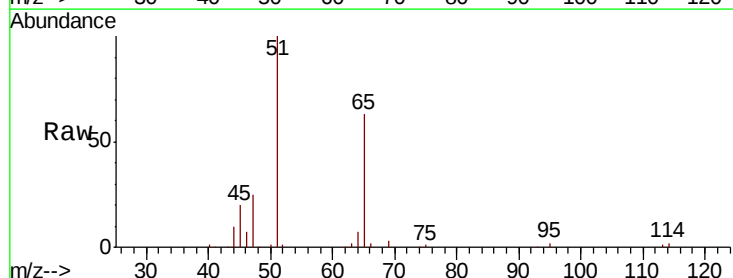
Acq: 12 Oct 2020 14:38

Tgt Ion: 51 Resp: 297434

Ion Ratio Lower Upper

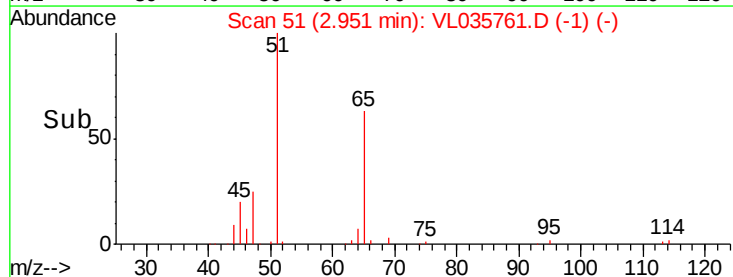
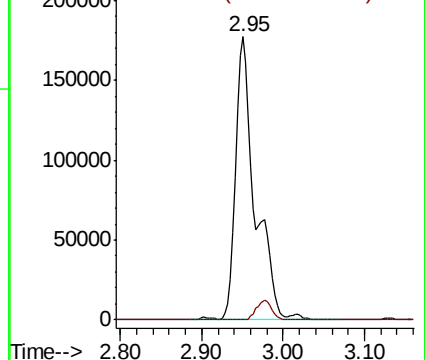
51 100

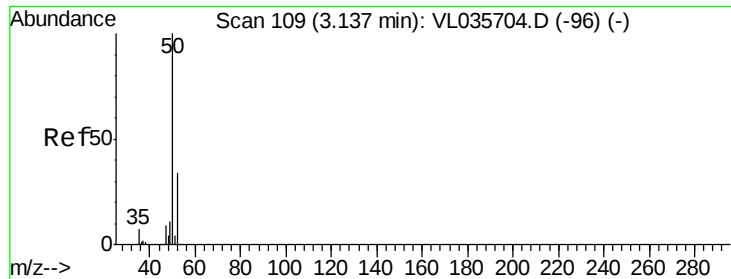
67 5.3 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

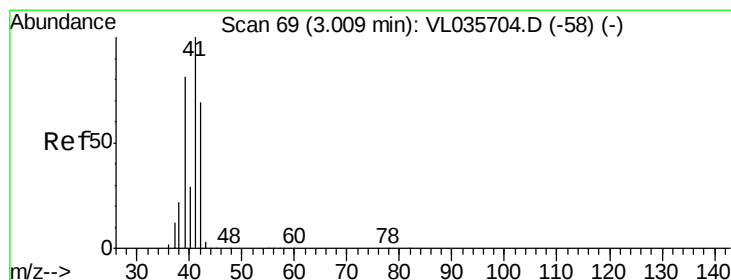
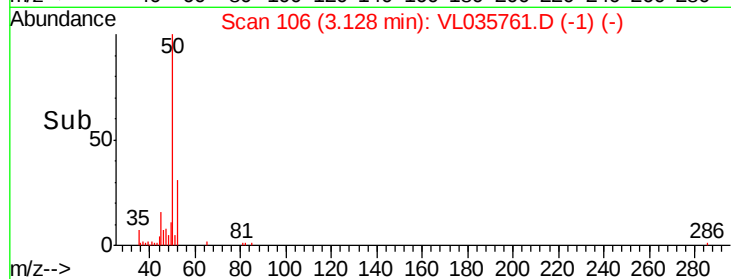
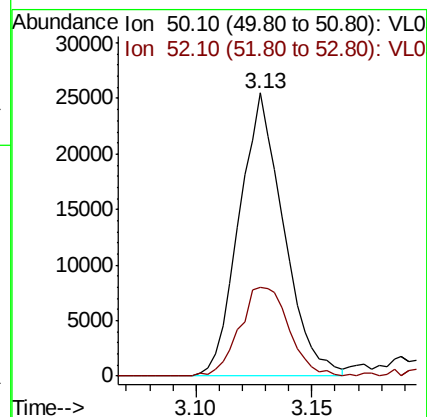
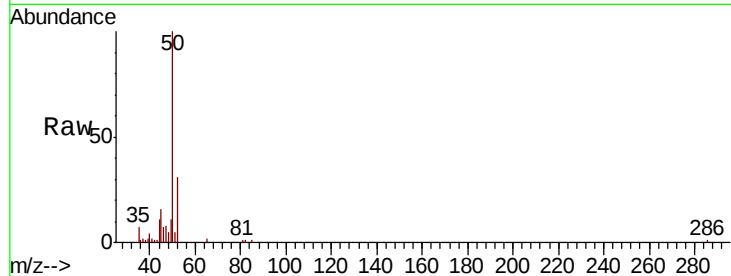




#4
Chloromethane
Concen: 0.541 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

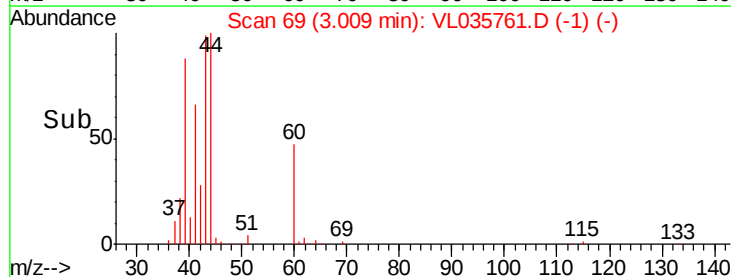
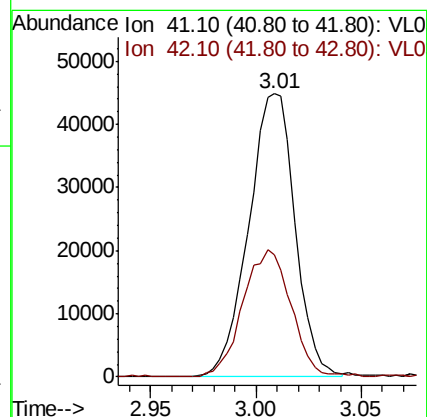
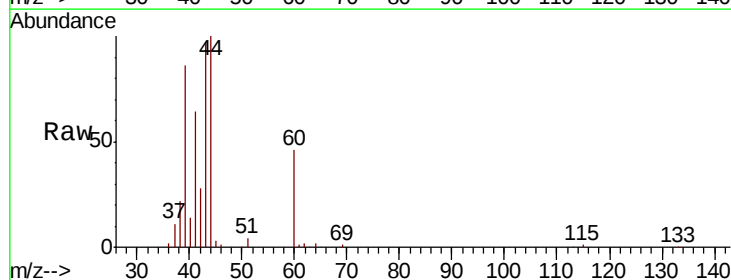
Instrument :
MSVOA_L
ClientSampleId :
2

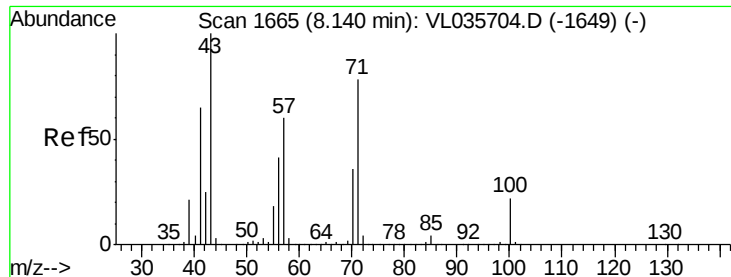
Tot Ion: 50 Resp: 34063
Ion Ratio Lower Upper
50 100
52 31.3 26.8 40.2



#9
Propene
Concen: 1.612 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 41 Resp: 68594
Ion Ratio Lower Upper
41 100
42 47.0 56.2 84.4#

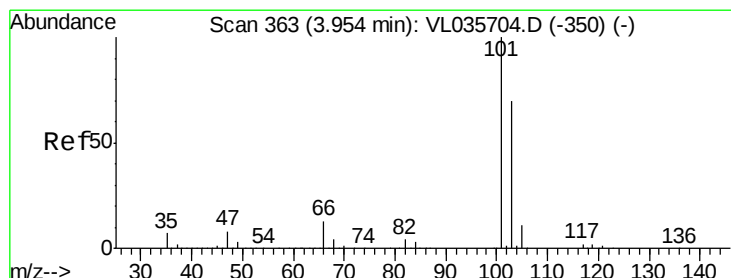
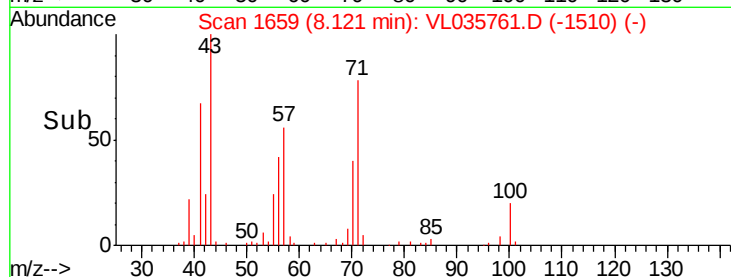
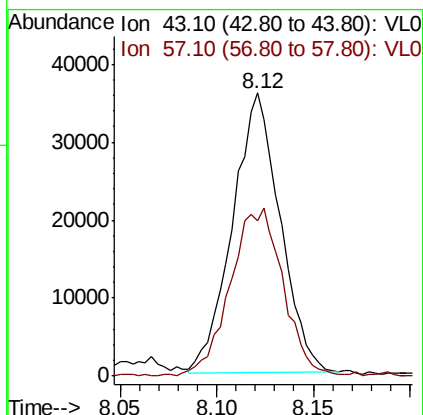
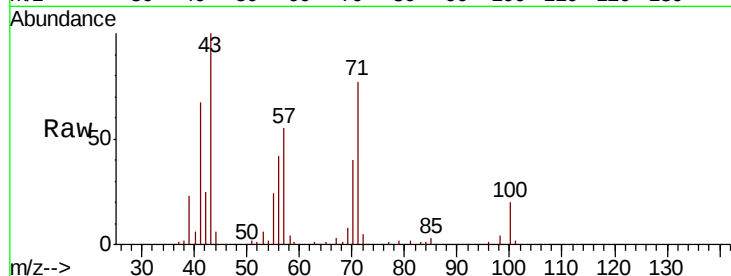




#10
Heptane
Concen: 0.518 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

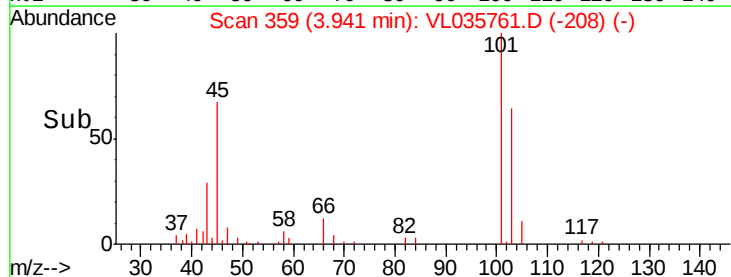
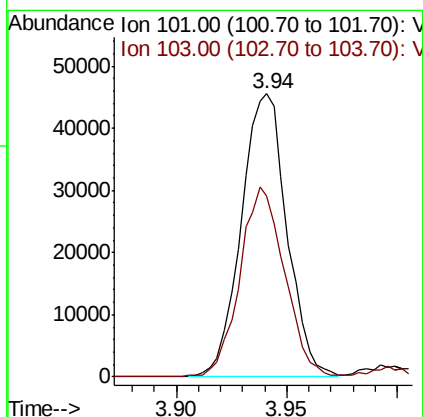
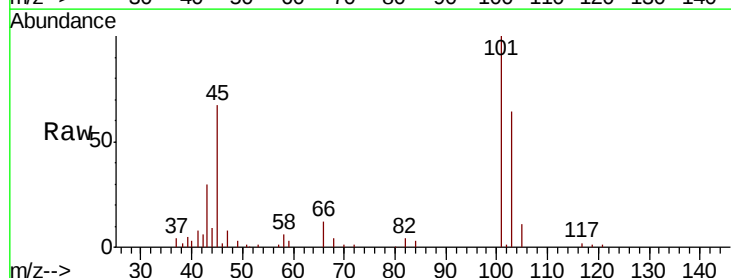
Instrument :
MSVOA_L
ClientSampleId :
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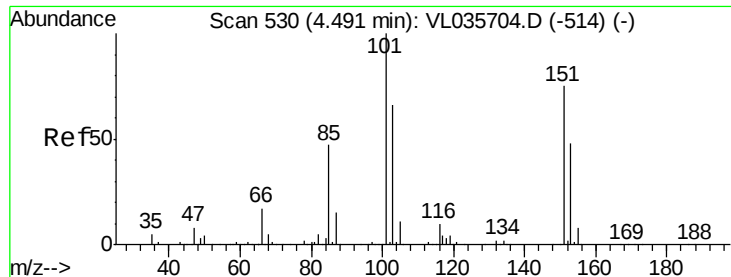
Tot Ion: 43 Resp: 61452
Ion Ratio Lower Upper
43 100
57 67.7 50.4 75.6



#11
Trichlorofluoromethane
Concen: 0.257 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 101 Resp: 65409
Ion Ratio Lower Upper
101 100
103 63.4 55.6 83.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.079 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

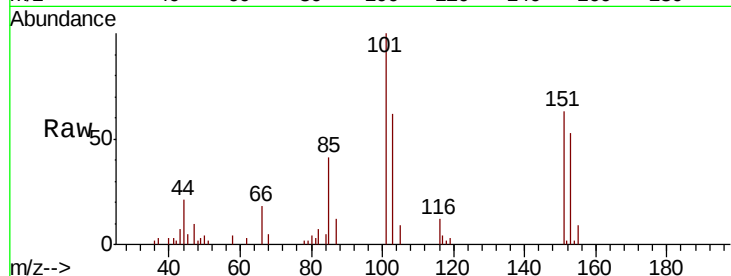
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Tot Ion:101 Resp: 15033

Ion Ratio Lower Upper

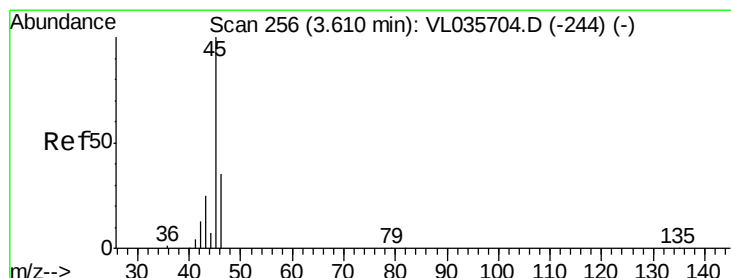
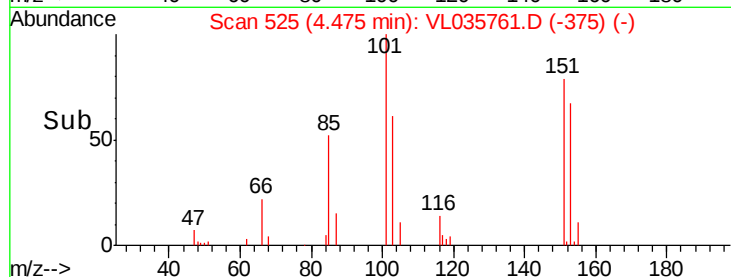
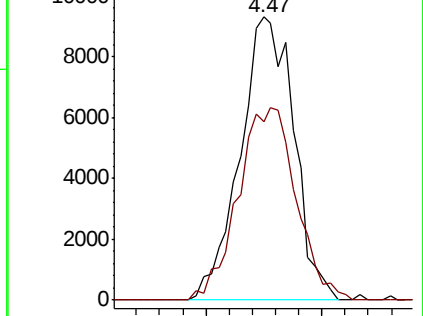
101 100

151 73.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 161.655 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL035761.D

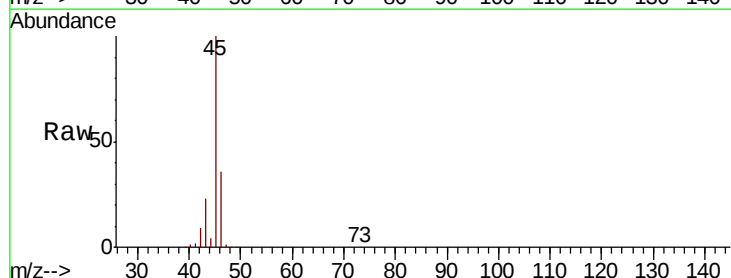
Acq: 12 Oct 2020 14:38

Tgt Ion: 45 Resp: 1696052

Ion Ratio Lower Upper

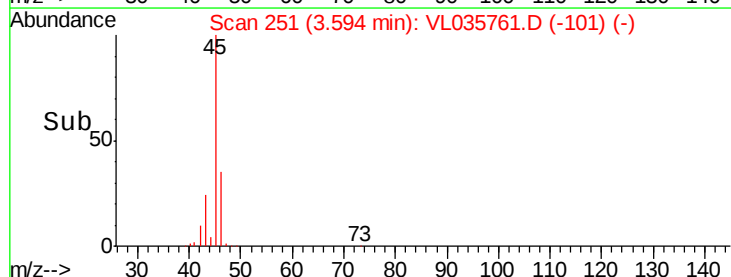
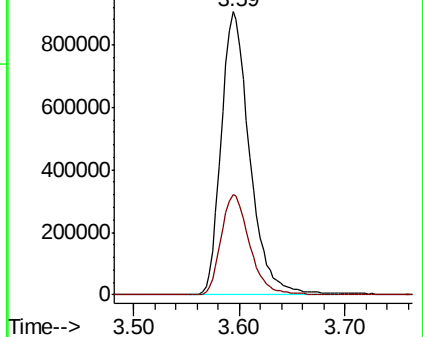
45 100

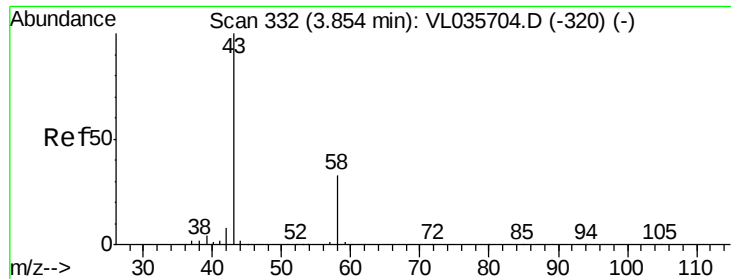
46 35.8 14.7 58.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 31.406 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

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ClientSampleId :

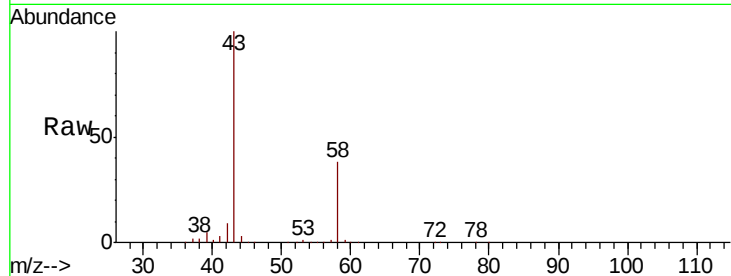
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Tot Ion: 43 Resp: 3680690

Ion Ratio Lower Upper

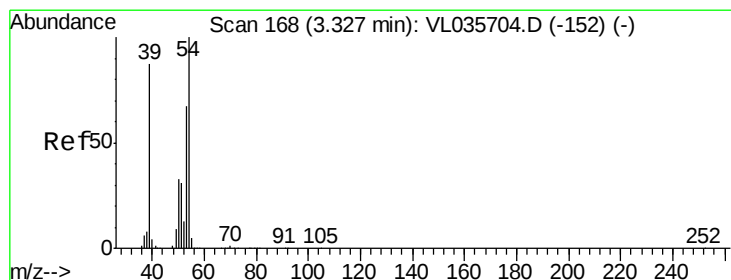
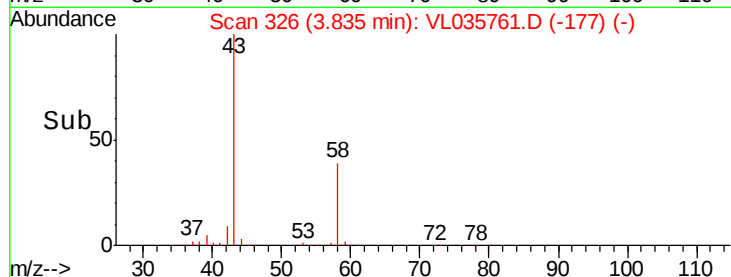
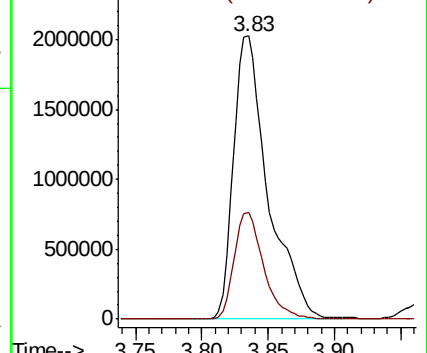
43 100

58 32.2 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.185 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.04 min

Lab File: VL035761.D

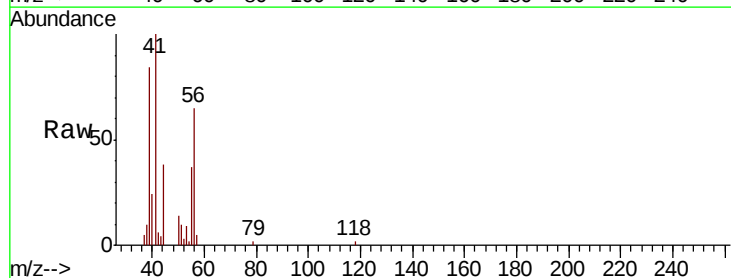
Acq: 12 Oct 2020 14:38

Tgt Ion: 39 Resp: 7917

Ion Ratio Lower Upper

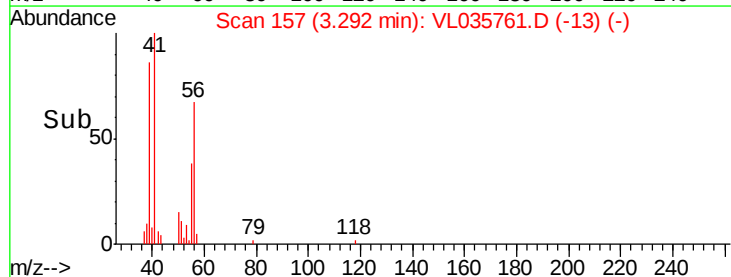
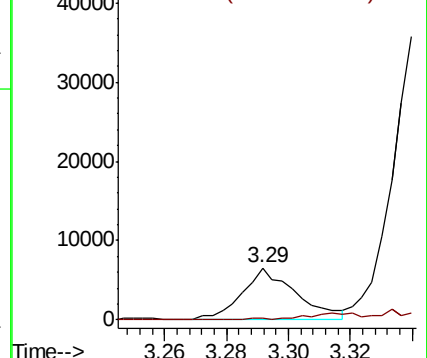
39 100

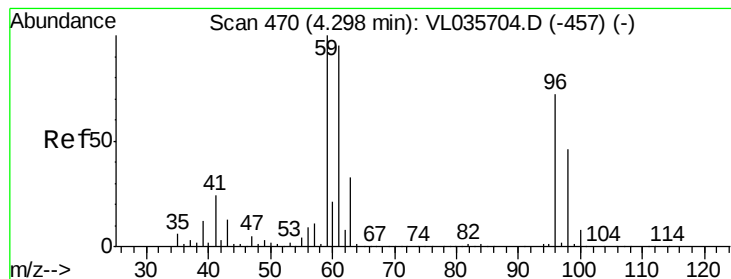
54 0.0 87.4 131.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.227 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.00 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

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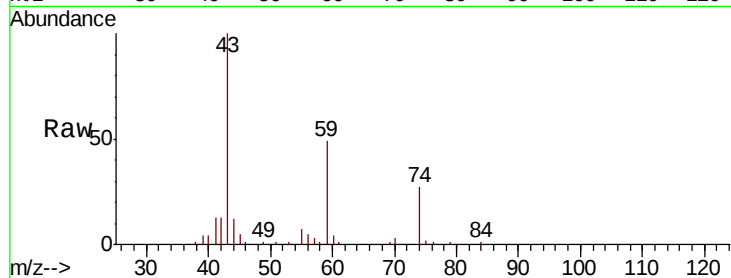
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Tot Ion: 59 Resp: 28946

Ion Ratio Lower Upper

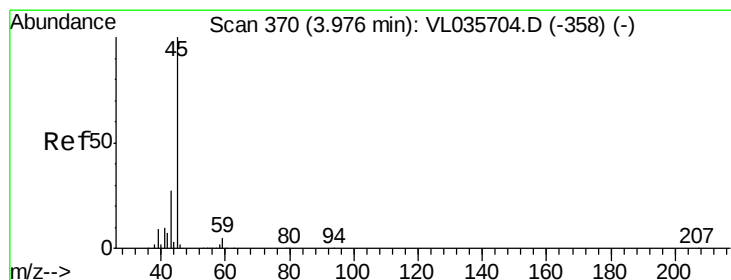
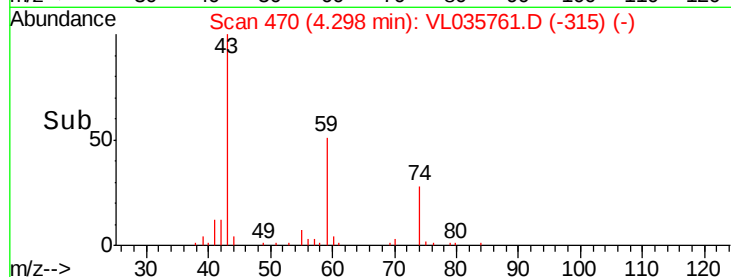
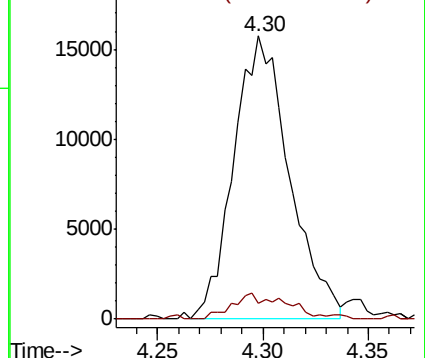
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 11.547 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL035761.D

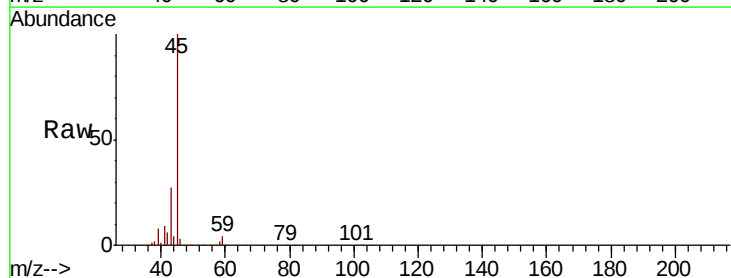
Acq: 12 Oct 2020 14:38

Tgt Ion: 45 Resp: 736181

Ion Ratio Lower Upper

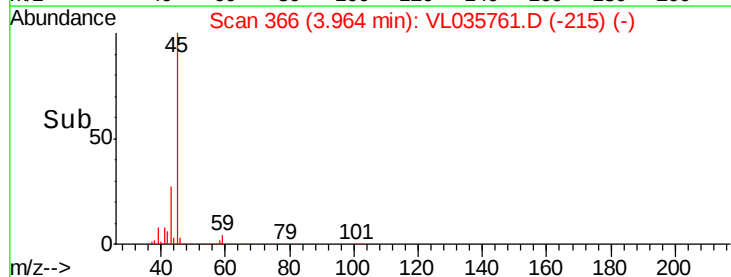
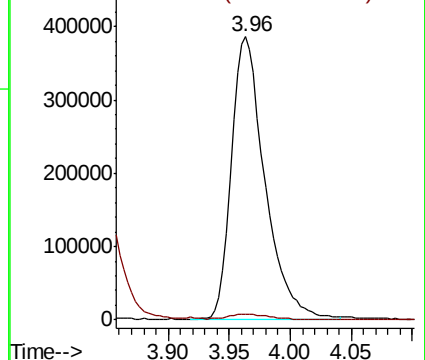
45 100

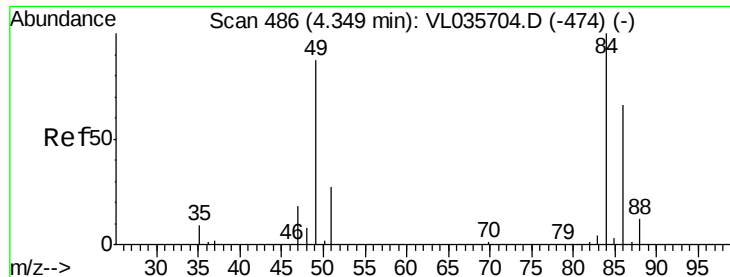
58 161.1 2.8 4.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

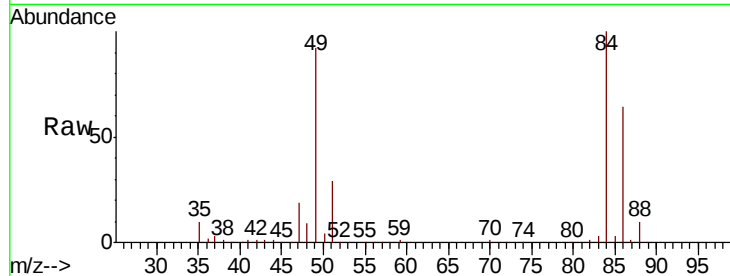




#20
Methvlene Chloride
Concen: 3.486 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Instrument :
MSVOA_L
ClientSampleId :
2

Tot Ion:	84	Resp:	300102
Ion	Ratio	Lower	Upper
84	100		
49	92.0	69.8	104.6
51	28.4	21.8	32.8
86	64.1	52.6	78.8



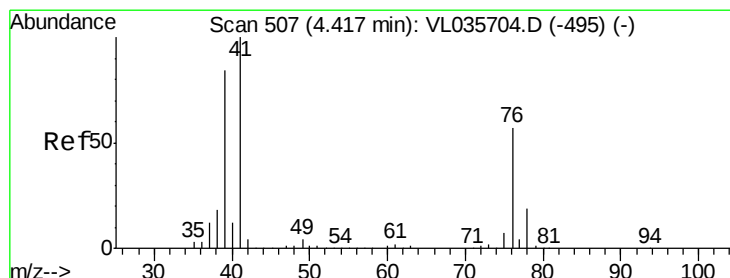
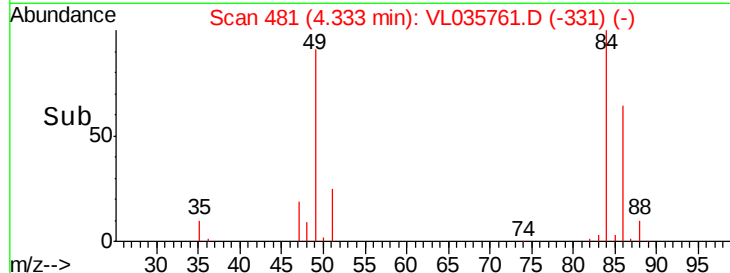
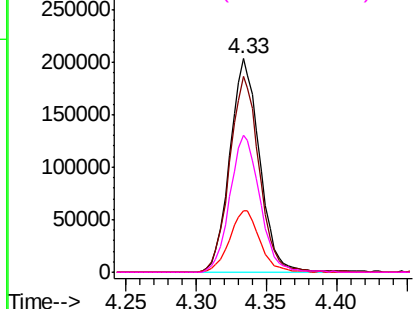
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

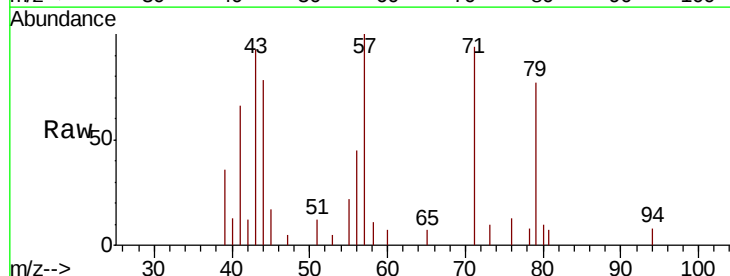
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.050 ppbv
RT: 4.58 min Scan# 558
Delta R.T. 0.16 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion:	41	Resp:	2855
Ion	Ratio	Lower	Upper
41	100		
76	340.1	44.8	67.2#
39	92.3	68.4	102.6

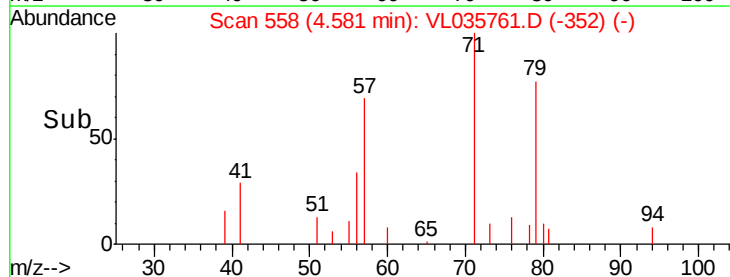
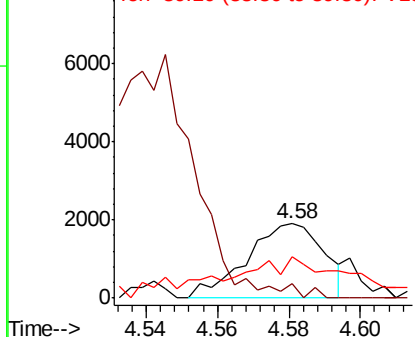


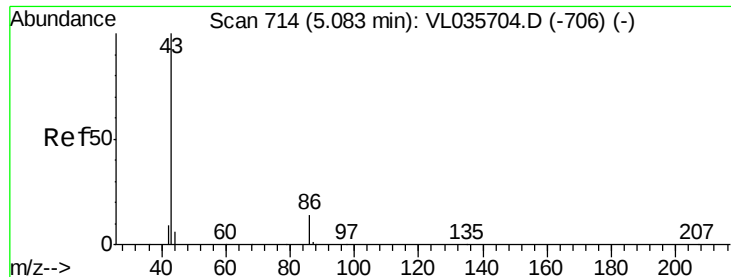
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.426 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

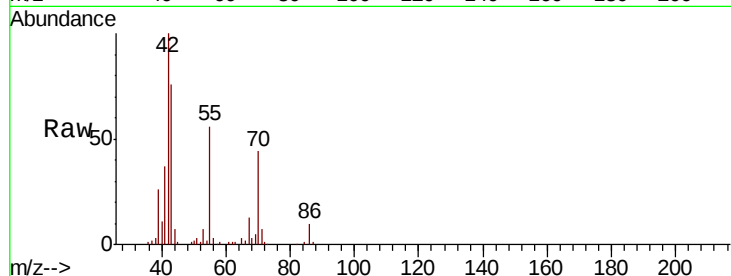
ClientSampled :

2

Tot Ion: 43 Resp: 61140

Ion Ratio Lower Upper

43	100		
86	12.6	9.7	14.5
42	131.2	7.9	11.9#
44	2.0	4.8	7.2#



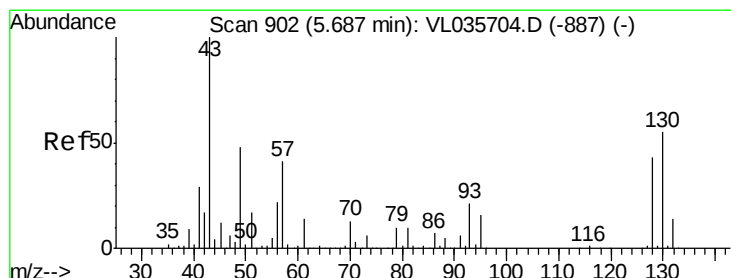
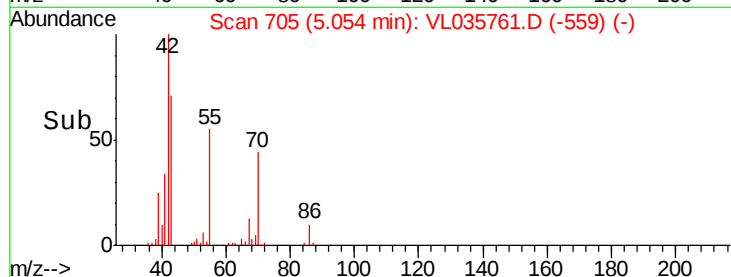
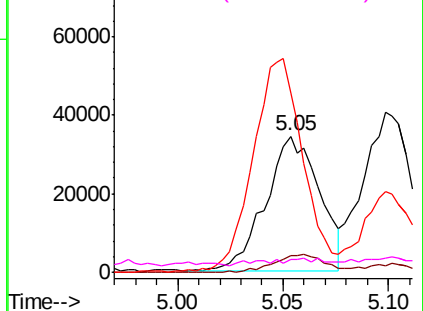
Abundance

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



#25

Ethyl Acetate

Concen: 2.481 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

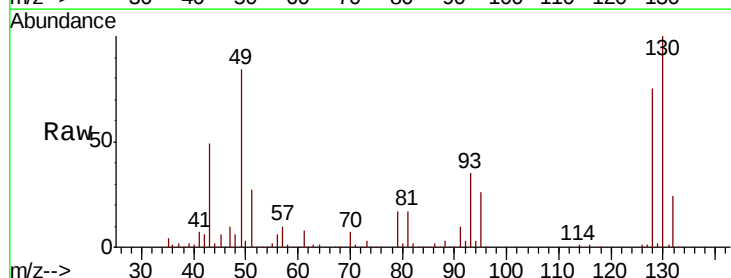
Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Tgt Ion: 43 Resp: 523157

Ion Ratio Lower Upper

43	100		
45	12.7	8.6	12.8
61	14.6	10.4	15.6
70	12.4	8.9	13.3



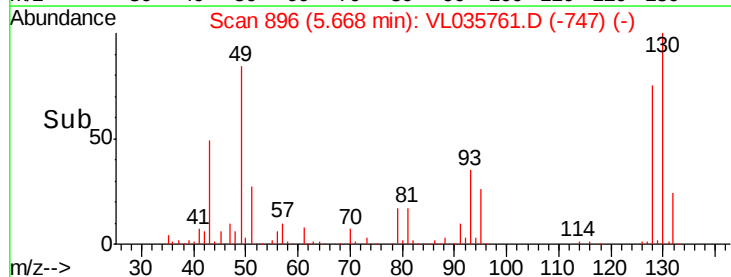
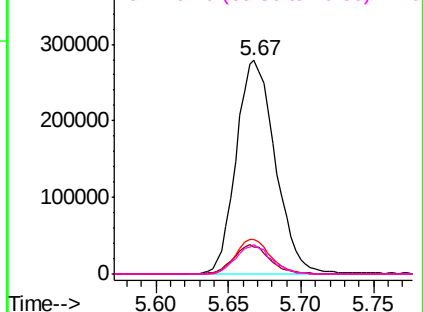
Abundance

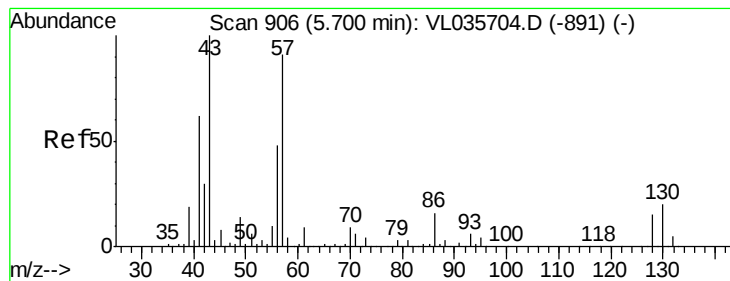
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.537 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

Tot Ion: 57 Resp: 177641

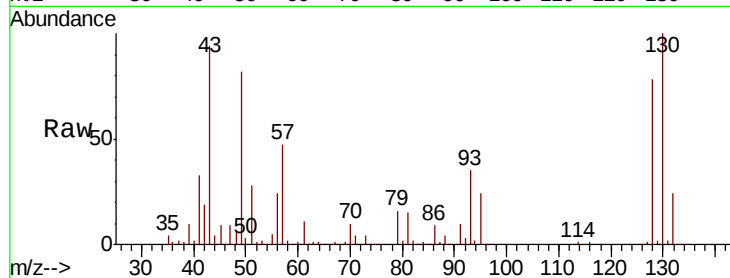
Ion Ratio Lower Upper

57 100

41 71.6 57.9 86.9

43 297.3 143.8 215.6#

56 53.3 43.0 64.6

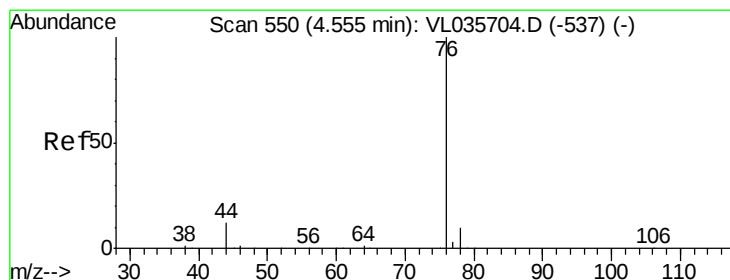
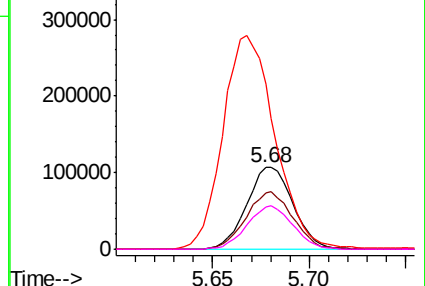
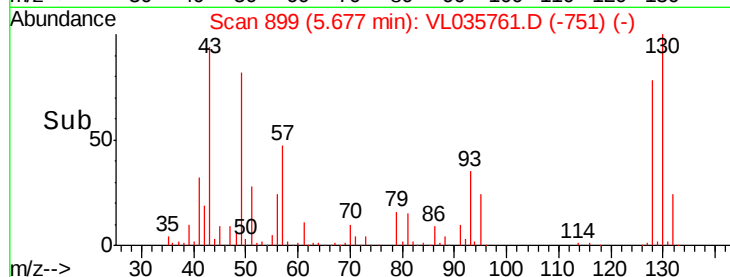


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.031 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

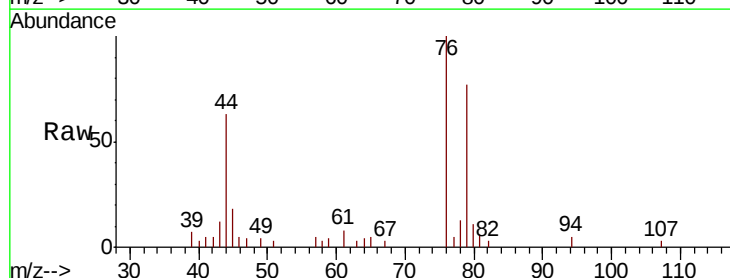
Tgt Ion: 76 Resp: 5333

Ion Ratio Lower Upper

76 100

44 61.8 9.7 14.5#

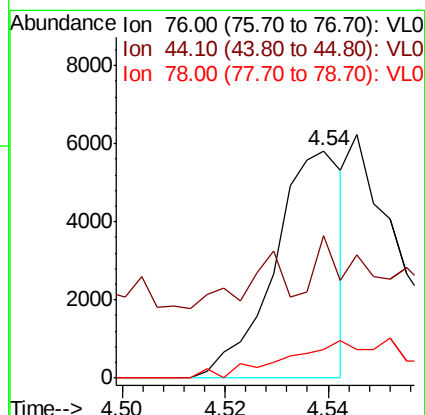
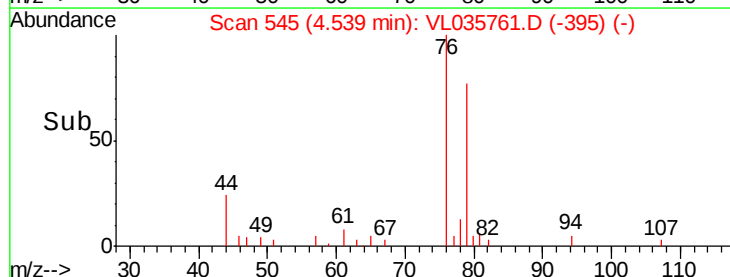
78 0.0 7.8 11.8#

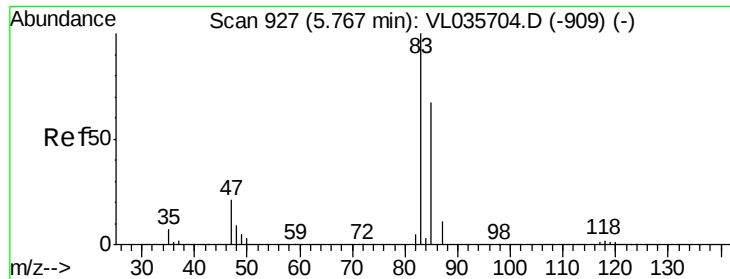


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.051 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.03 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

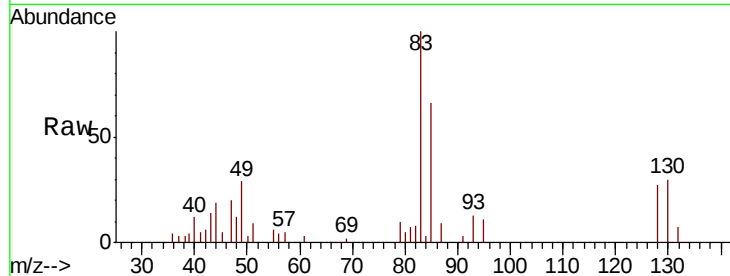
Instrument :
MSVOA_L
ClientSampleId :
2

Tot Ion: 83 Resp: 11919

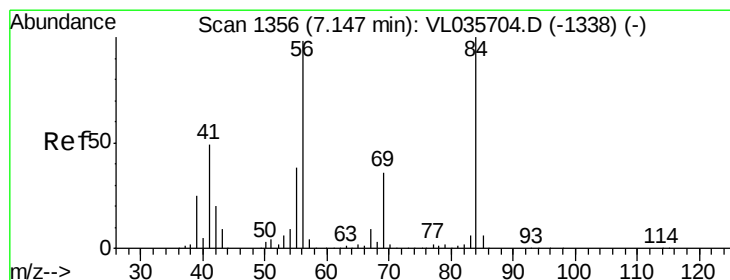
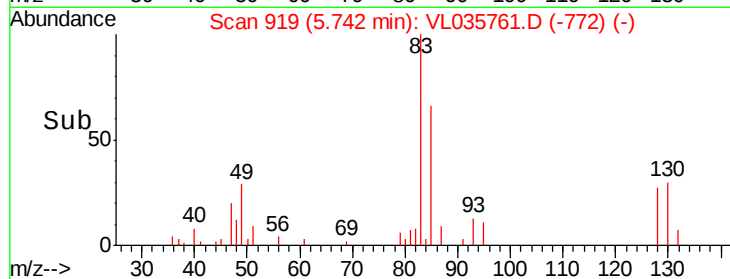
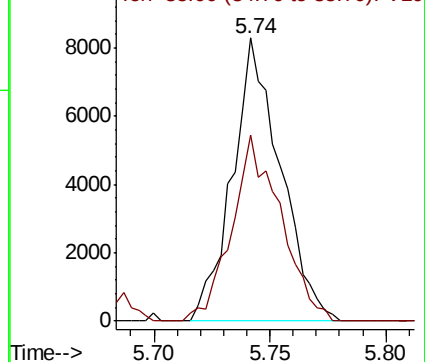
Ion Ratio Lower Upper

83 100

85 65.8 54.0 81.0



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



#30

Cyclohexane

Concen: 0.121 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

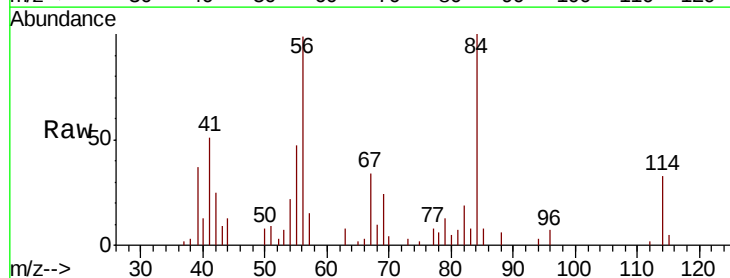
Tgt Ion: 84 Resp: 13748

Ion Ratio Lower Upper

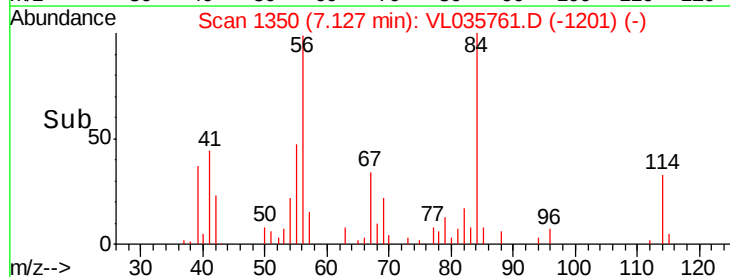
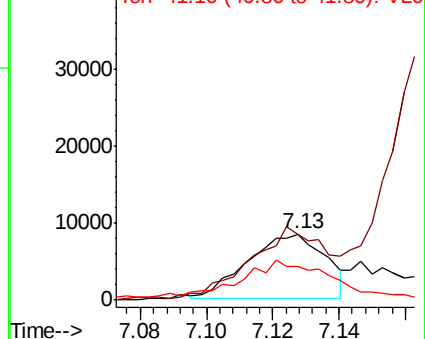
84 100

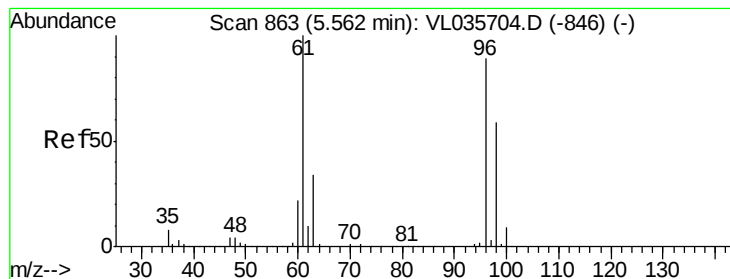
56 0.0 84.6 127.0#

41 72.0 41.1 61.7#



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



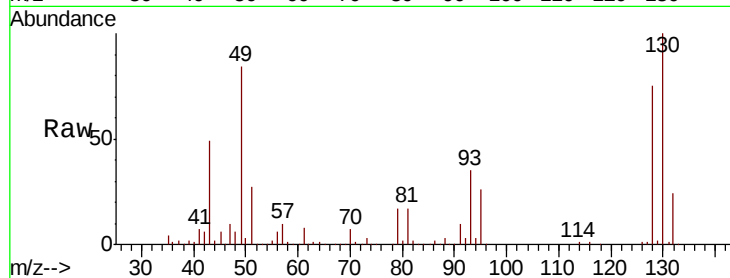


#31

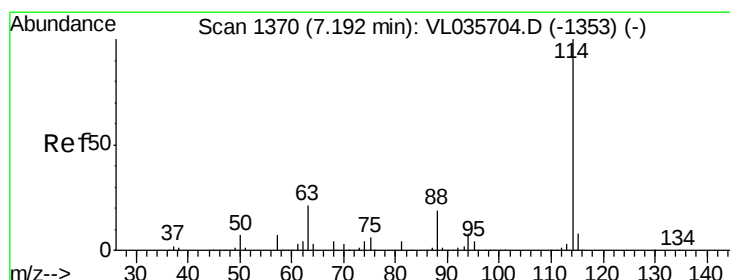
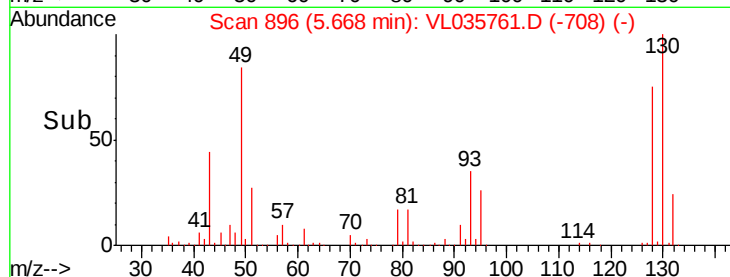
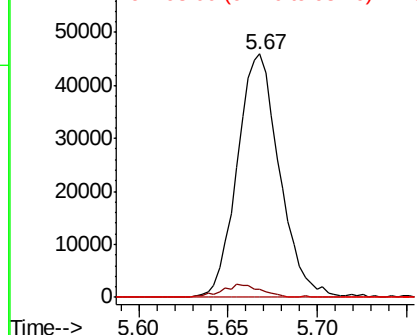
cis-1,2-Dichloroethene
Concen: 0.679 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.11 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Instrument :
MSVOA_L
ClientSampleId :
2

Tot Ion: 61 Resp: 75721
Ion Ratio Lower Upper
61 100
96 3.3 71.4 107.2#
98 0.0 47.4 71.2#



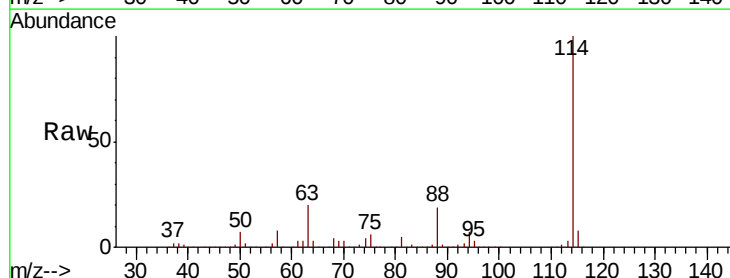
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



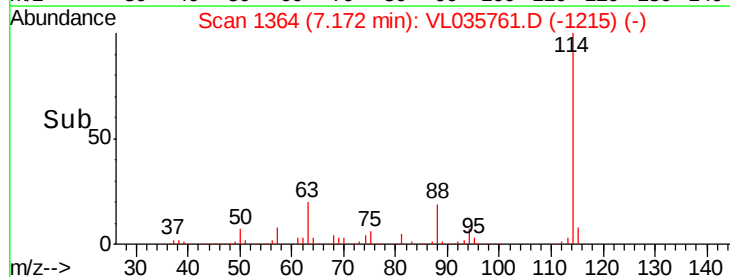
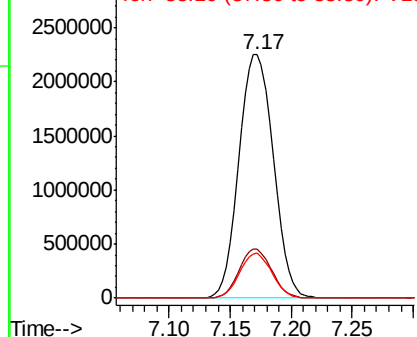
#33

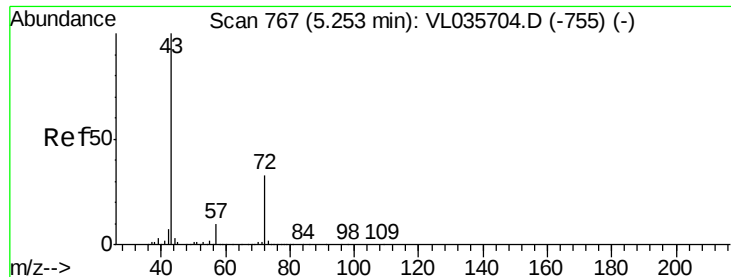
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 114 Resp: 4395146
Ion Ratio Lower Upper
114 100
63 19.3 16.1 24.1
88 17.3 14.1 21.1



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

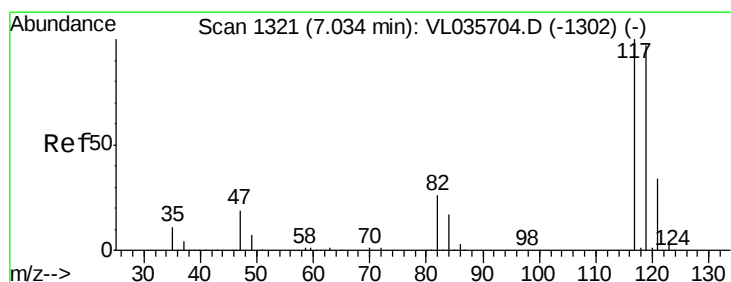
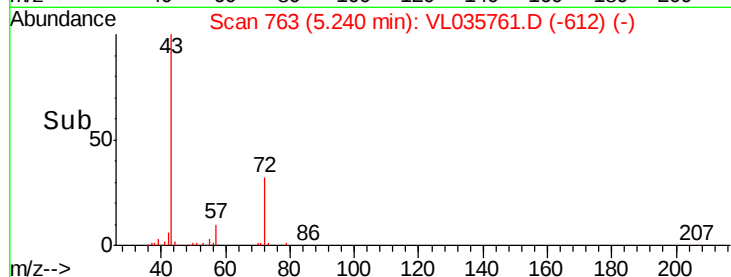
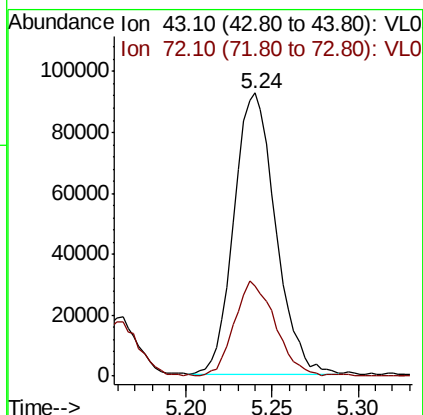
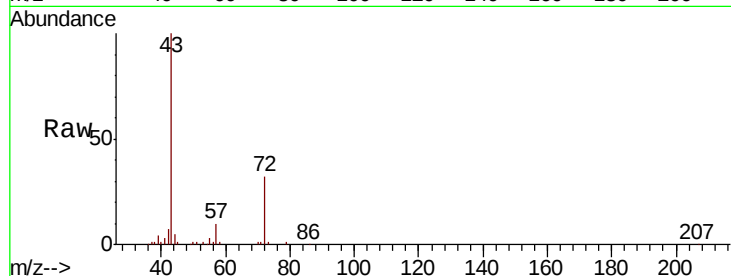




#34
2-Butanone
Concen: 1.071 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

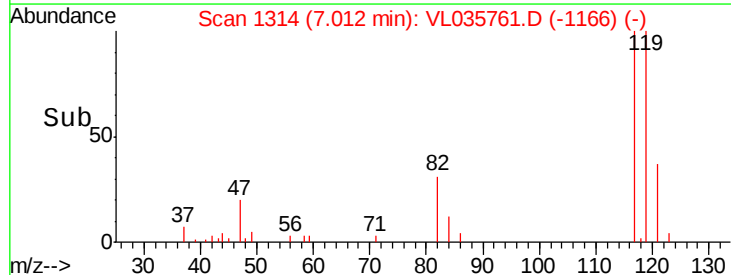
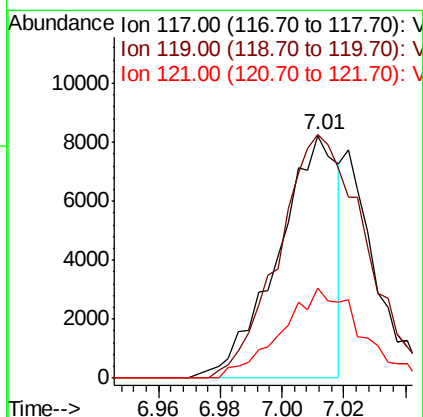
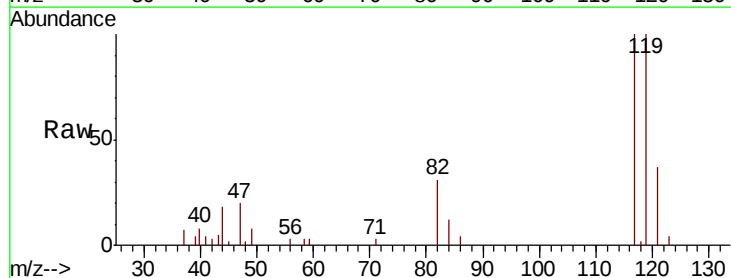
Instrument :
MSVOA_L
ClientSampleId :
2

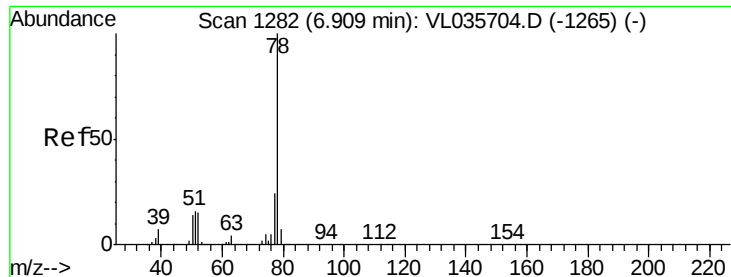
Tot Ion: 43 Resp: 155757
Ion Ratio Lower Upper
43 100
72 33.6 26.1 39.1



#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 117 Resp: 11041
Ion Ratio Lower Upper
117 100
119 100.4 77.7 116.5
121 36.9 26.9 40.3





#36

Benzene

Concen: 0.228 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

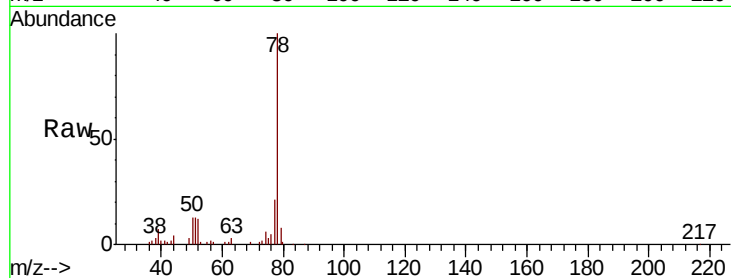
Tot Ion: 78 Resp: 65227

Ion Ratio Lower Upper

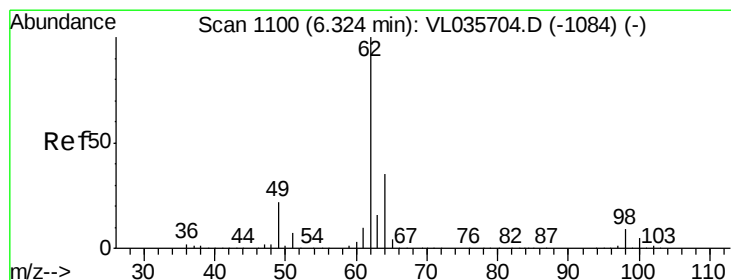
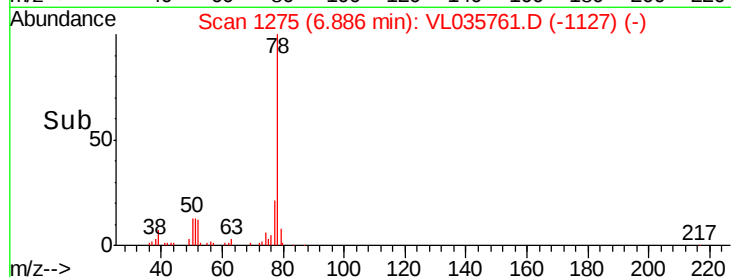
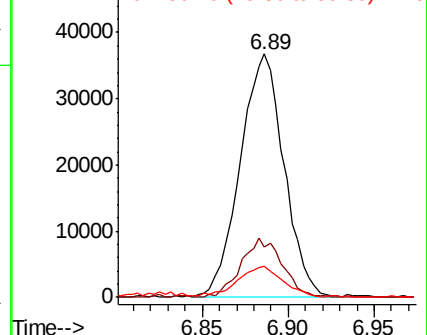
78 100

77 20.8 19.3 28.9

50 13.0 11.6 17.4



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



#37

1,2-Dichloroethane

Concen: 0.038 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VL035761.D

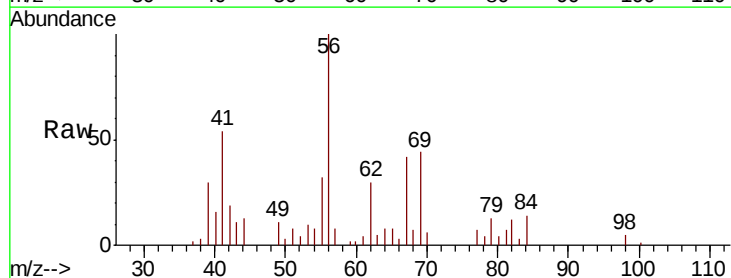
Acq: 12 Oct 2020 14:38

Tgt Ion: 62 Resp: 5714

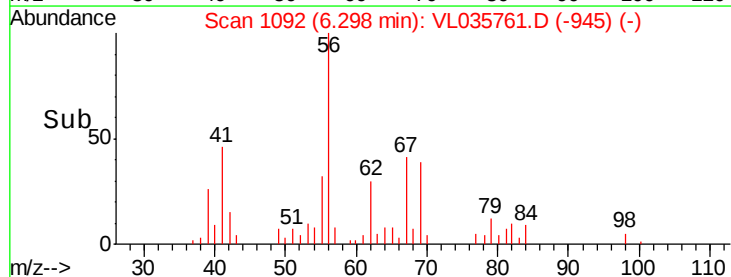
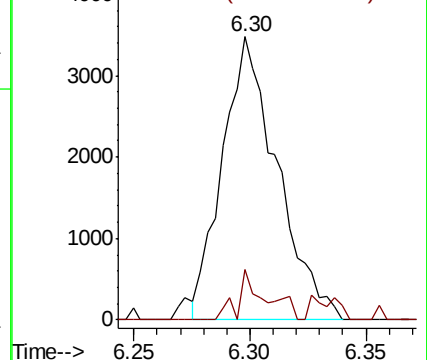
Ion Ratio Lower Upper

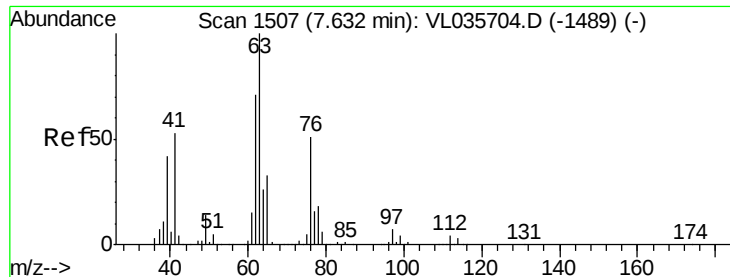
62 100

98 8.9 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 8.111 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.46 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

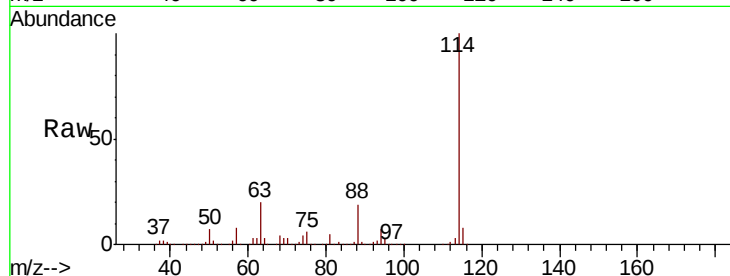
Tot Ion: 63 Resp: 841937

Ion Ratio Lower Upper

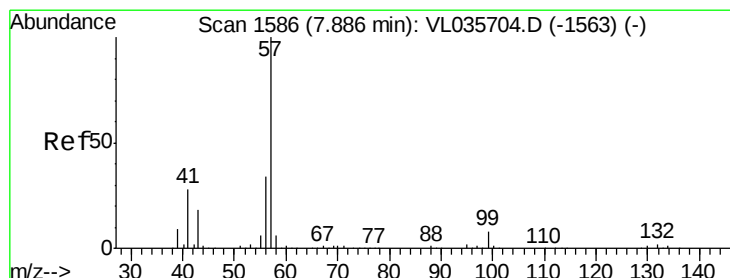
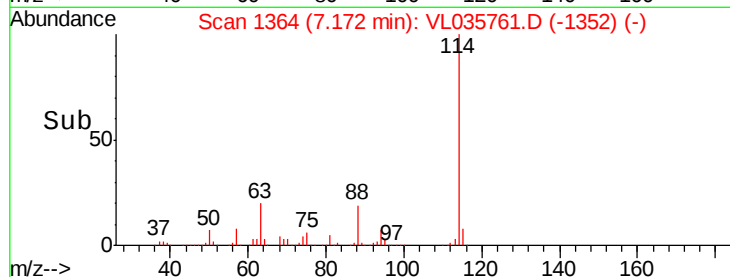
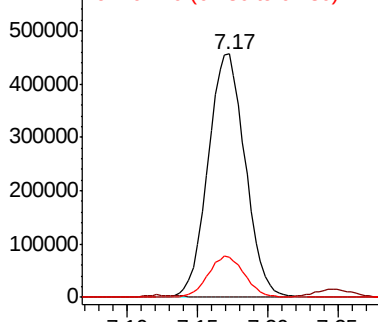
63 100

41 0.0 42.6 63.8#

62 16.5 56.5 84.7#



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



#44

2,2,4-Trimethylpentane

Concen: 0.270 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

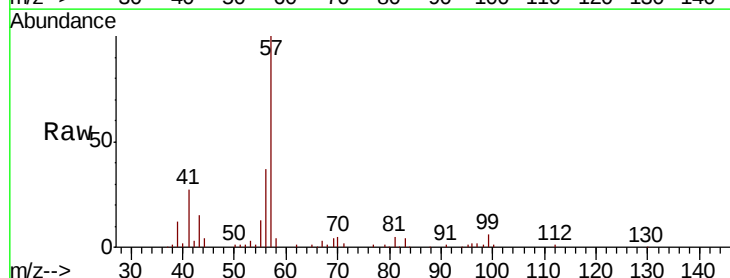
Tgt Ion: 57 Resp: 111061

Ion Ratio Lower Upper

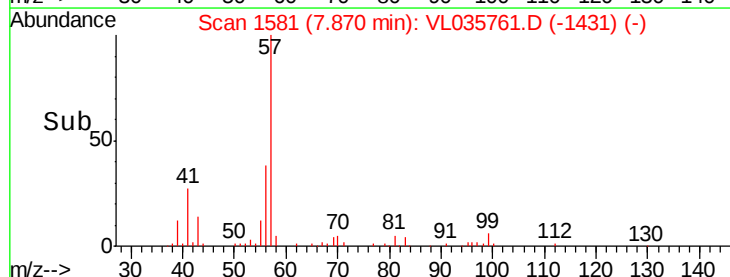
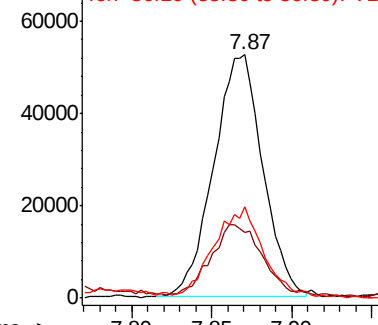
57 100

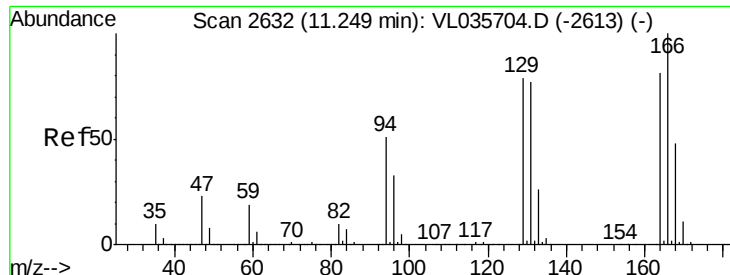
41 32.0 21.2 31.8#

56 38.9 25.8 38.8#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.102 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

Tot Ion:164 Resp: 13989

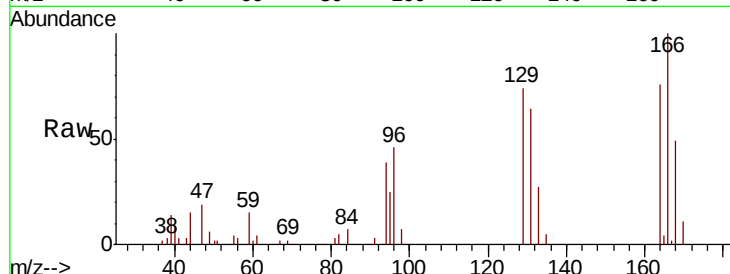
Ion Ratio Lower Upper

164 100

166 131.6 98.7 148.1

129 97.7 78.4 117.6

131 84.2 76.2 114.2

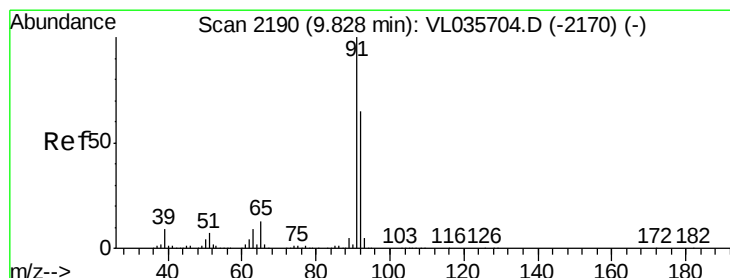
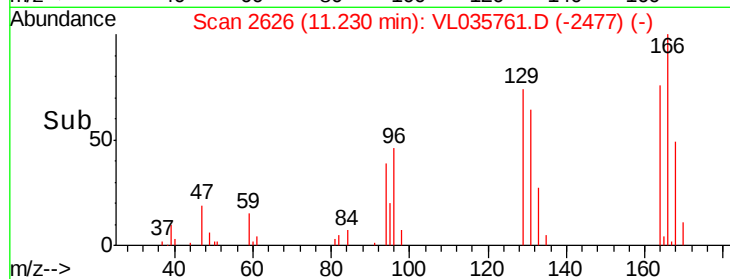
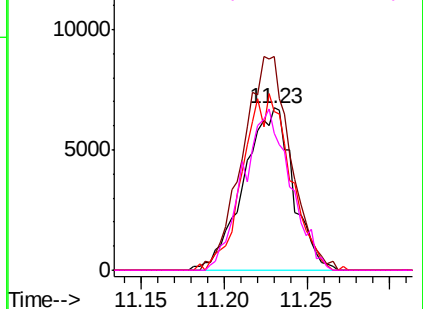


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 12.409 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035761.D

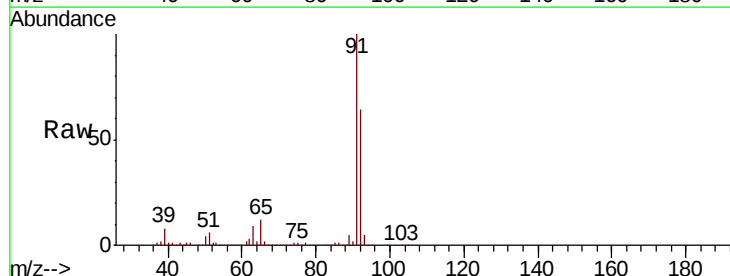
Acq: 12 Oct 2020 14:38

Tgt Ion: 91 Resp: 4190545

Ion Ratio Lower Upper

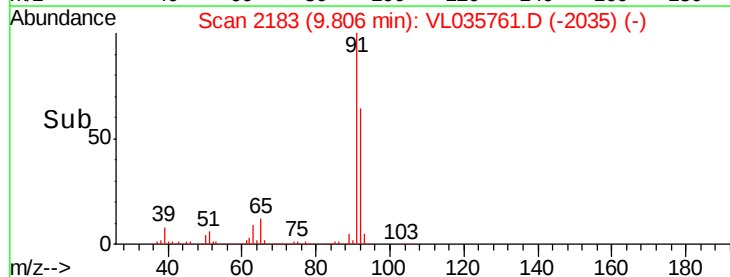
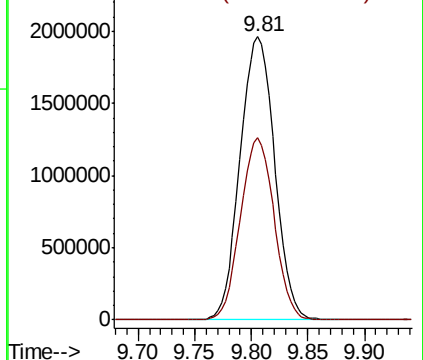
91 100

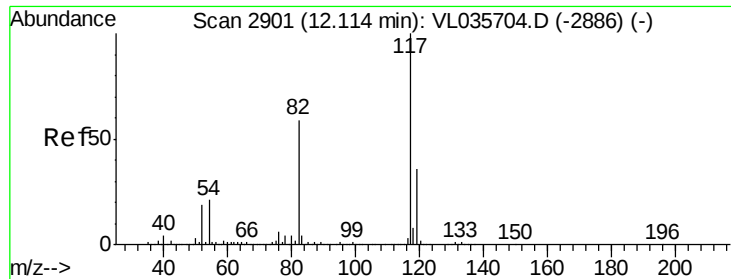
92 62.7 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

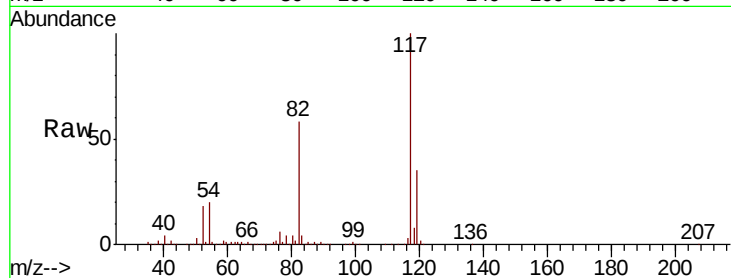




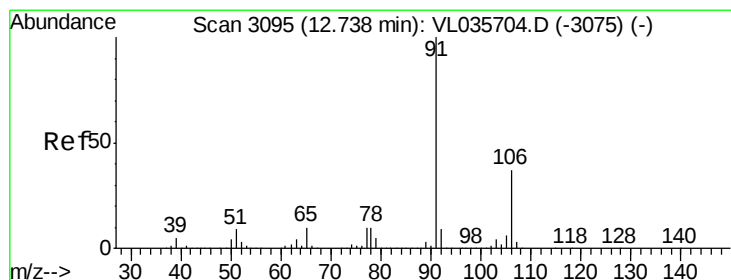
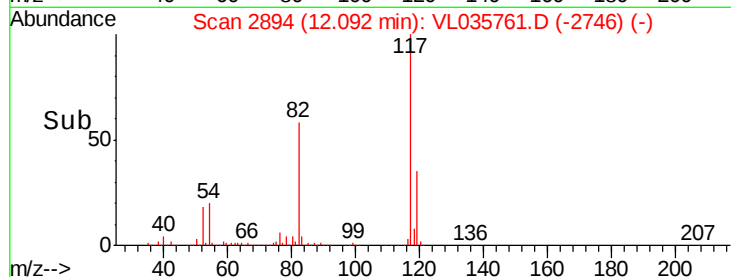
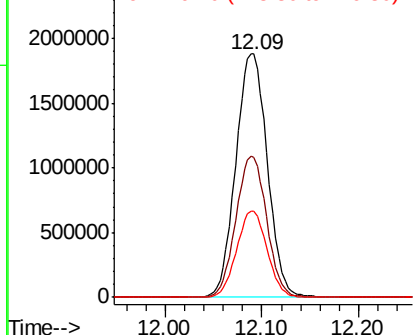
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Instrument :
MSVOA_L
ClientSampleId :
2

Tot Ion:117 Resp: 4263677
Ion Ratio Lower Upper
117 100
82 56.9 46.1 69.1
119 34.3 28.0 42.0

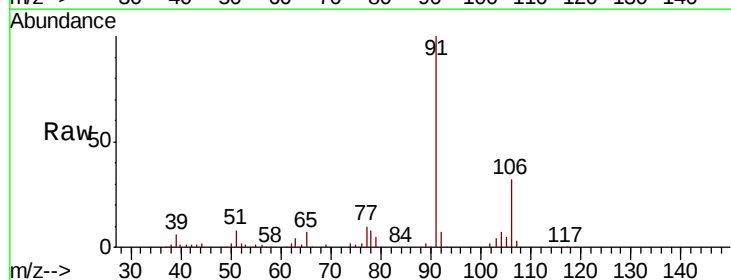


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

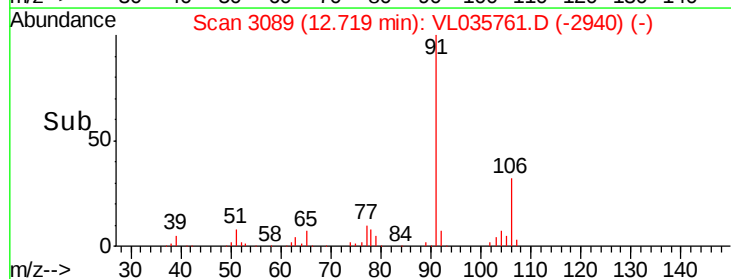
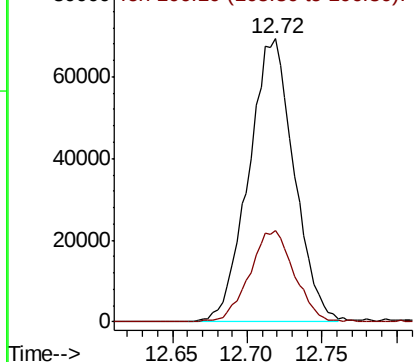


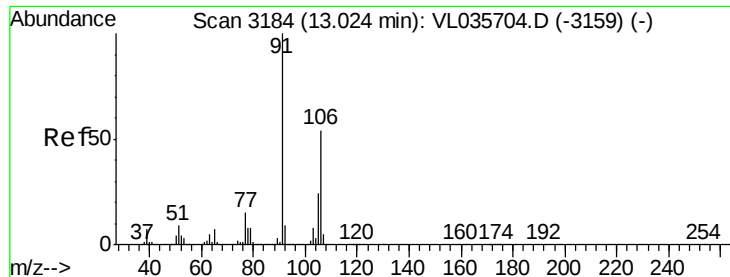
#58
Ethyl Benzene
Concen: 0.342 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 91 Resp: 146365
Ion Ratio Lower Upper
91 100
106 32.1 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

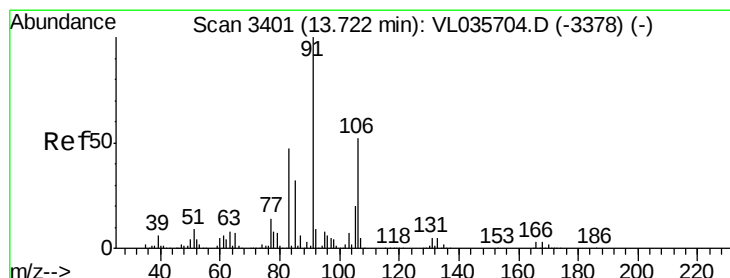
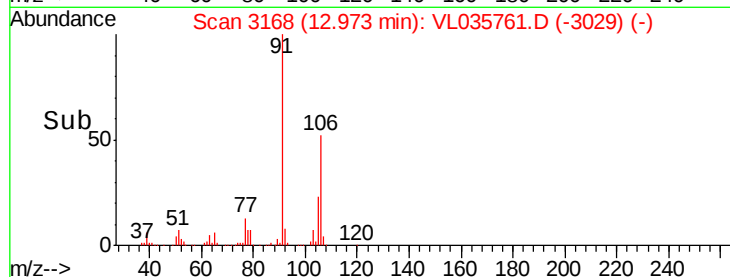
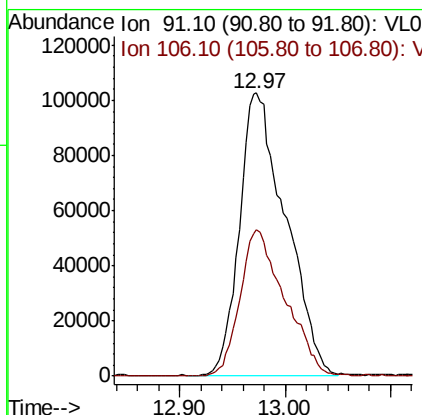
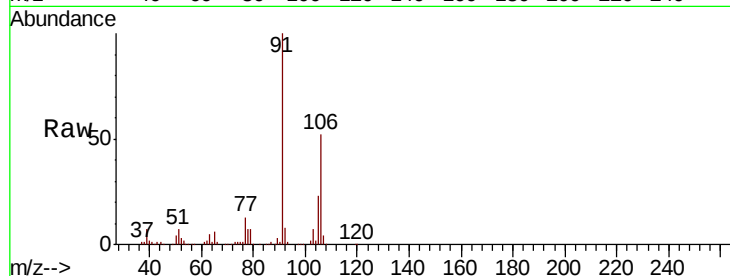




#59
m/p-Xylene
Concen: 0.837 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.05 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

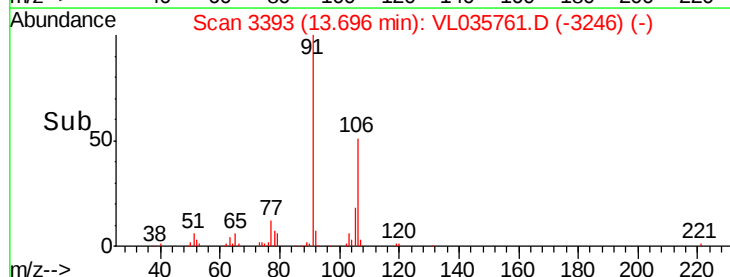
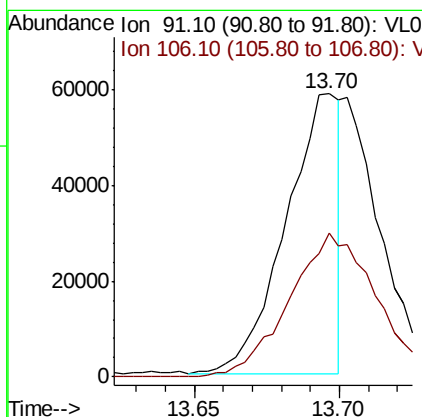
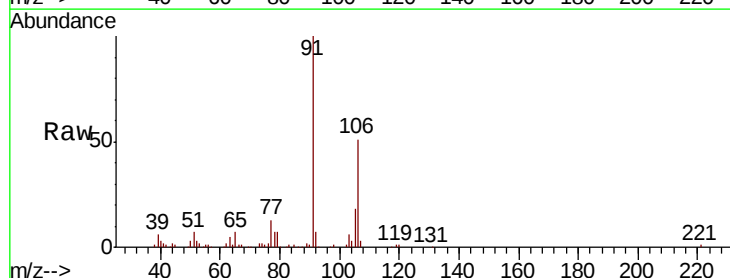
Instrument :
MSVOA_L
ClientSampled :
2

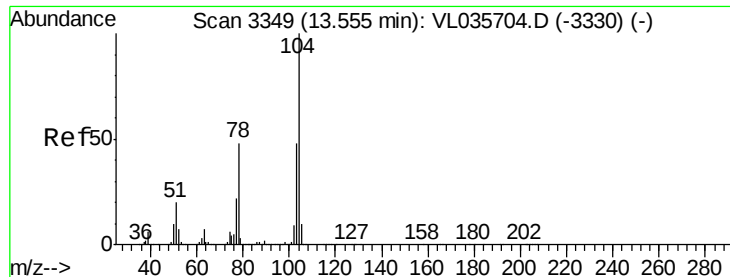
Tot Ion: 91 Resp: 312936
Ion Ratio Lower Upper
91 100
106 50.2 41.4 62.0



#60
o-Xylene
Concen: 0.200 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.03 min
Lab File: VL035761.D
Acq: 12 Oct 2020 14:38

Tgt Ion: 91 Resp: 75601
Ion Ratio Lower Upper
91 100
106 83.0 25.0 75.0#





#61

Stvrene

Concen: 0.384 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.02 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Instrument :

MSVOA_L

ClientSampleId :

2

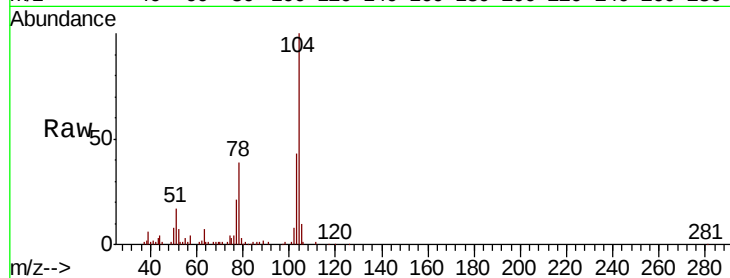
Tot Ion:104 Resp: 100264

Ion Ratio Lower Upper

104 100

78 44.9 37.2 55.8

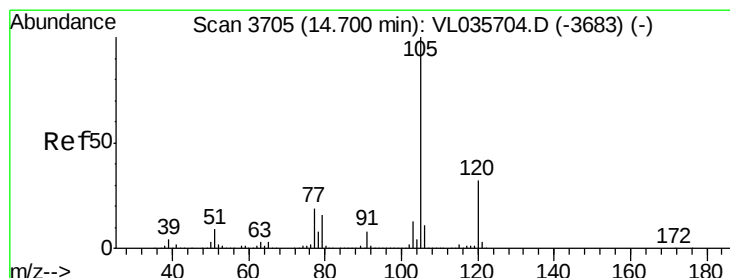
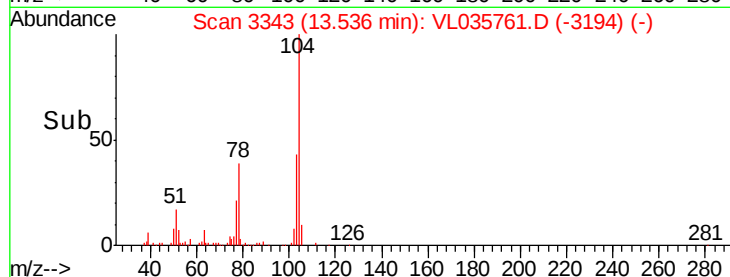
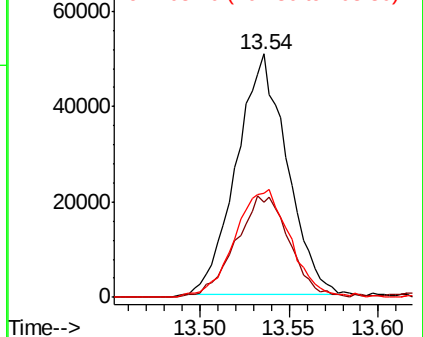
103 49.2 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.074 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.03 min

Lab File: VL035761.D

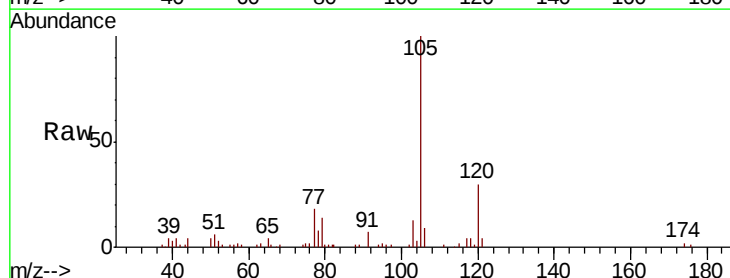
Acq: 12 Oct 2020 14:38

Tgt Ion:105 Resp: 43609

Ion Ratio Lower Upper

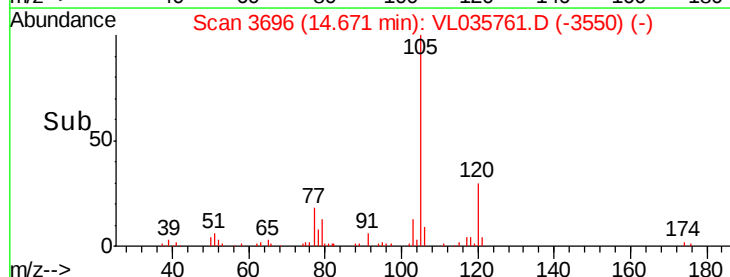
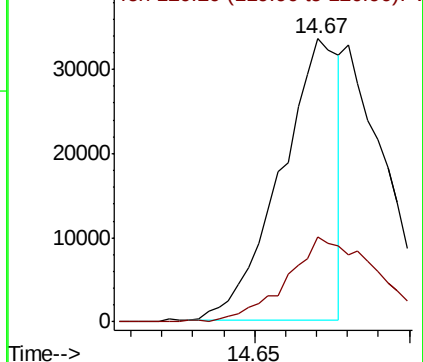
105 100

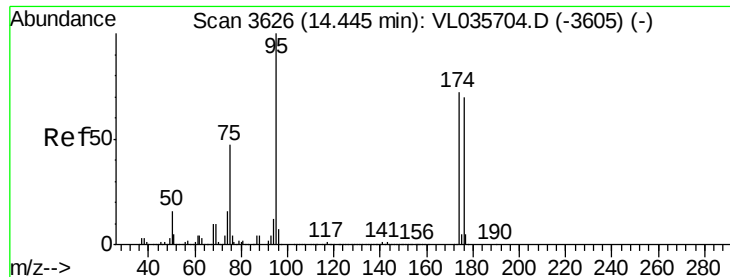
120 48.5 24.1 36.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

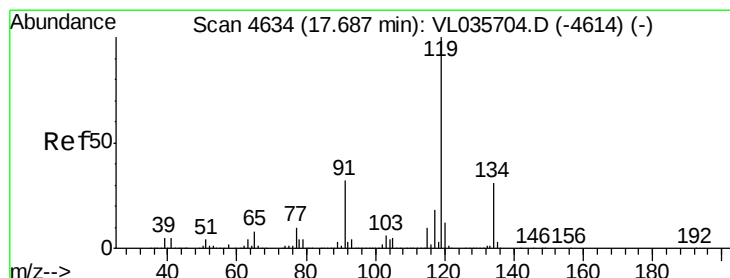
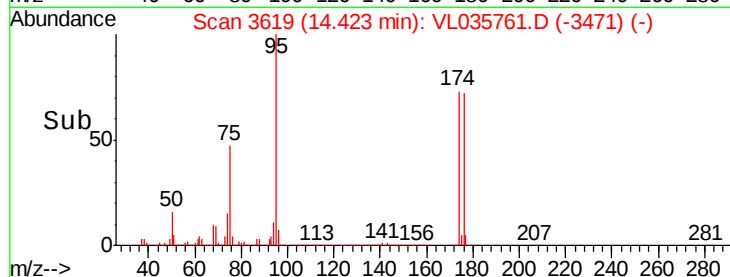
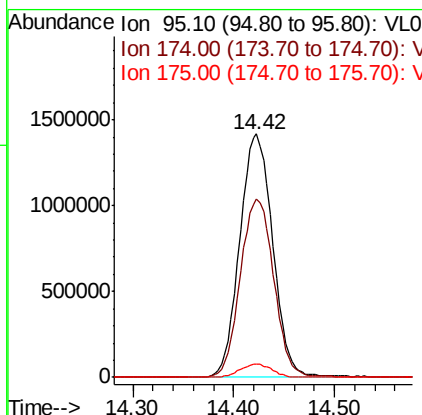
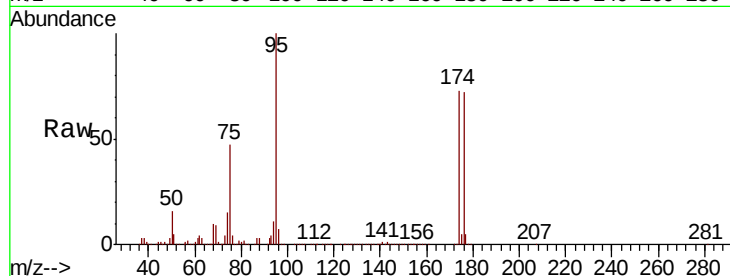




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.055 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.02 min
 Lab File: VL035761.D
 Acq: 12 Oct 2020 14:38

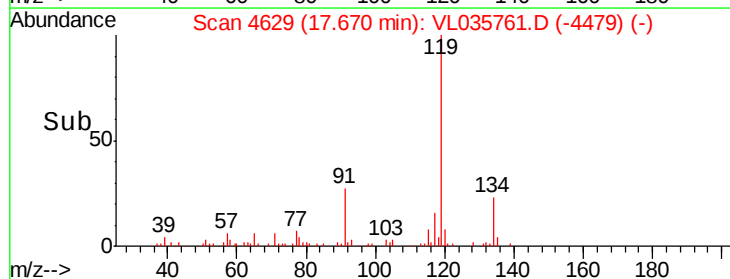
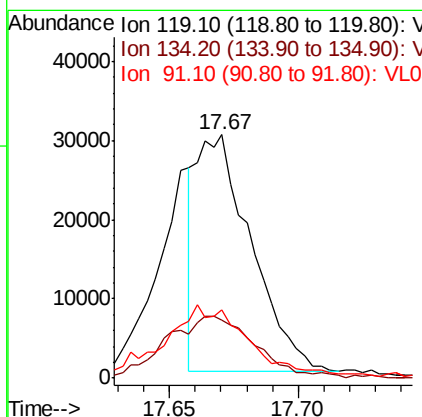
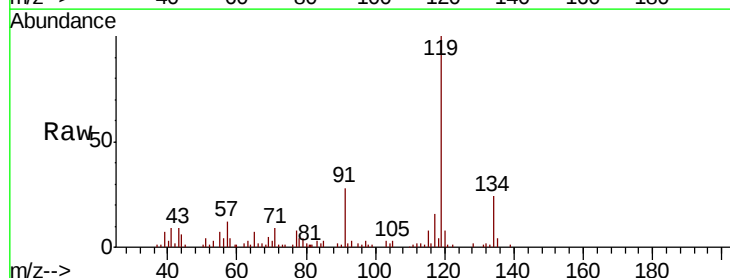
Instrument :
 MSVOA_L
 ClientSampleId :
 2

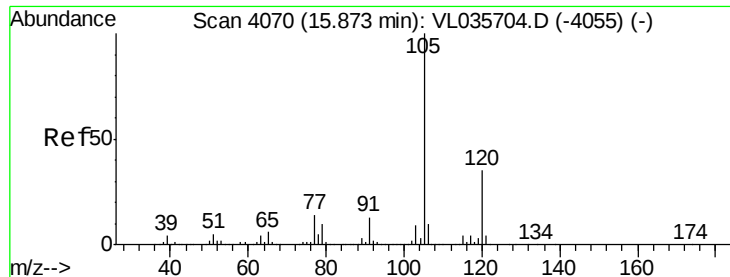
Tot Ion: 95 Resp: 3212676
 Ion Ratio Lower Upper
 95 100
 174 75.0 59.6 89.4
 175 5.4 4.2 6.4



#69
 p-Isopropyltoluene
 Concen: 0.073 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035761.D
 Acq: 12 Oct 2020 14:38

Tgt Ion: 119 Resp: 43588
 Ion Ratio Lower Upper
 119 100
 134 43.9 23.9 35.9#
 91 44.3 23.8 35.6#





#72

4-Ethyltoluene

Concen: 0.048 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.03 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

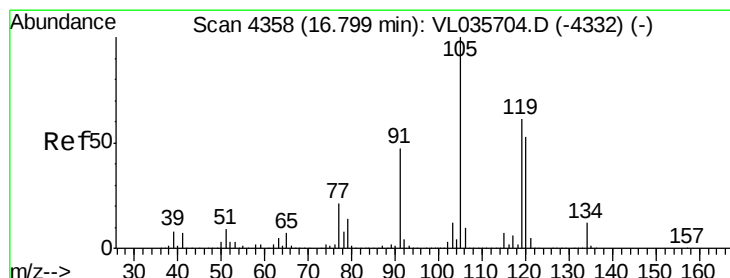
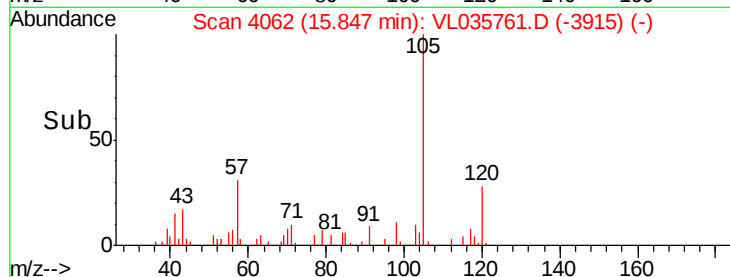
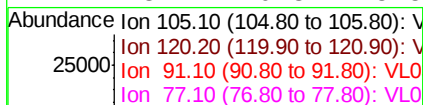
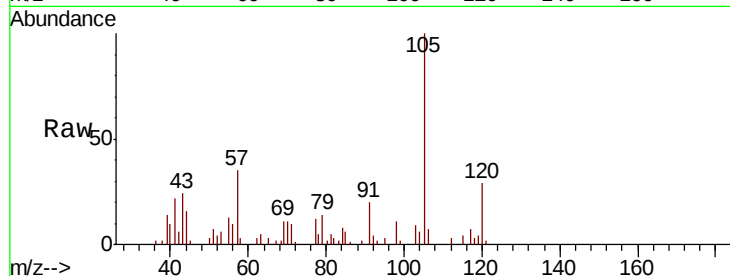
Instrument :

MSVOA_L

ClientSampled :

2

Tot Ion:105	Resp:	21629
Ion Ratio	Lower	Upper
105	100	
120	34.0	26.5 39.7
91	24.9	10.2 15.2#
77	18.2	10.3 15.5#



#74

1,2,4-Trimethylbenzene

Concen: 0.209 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.03 min

Lab File: VL035761.D

Acq: 12 Oct 2020 14:38

Tgt Ion:105	Resp:	99743
Ion Ratio	Lower	Upper
105	100	
120	43.4	42.5 63.7
91	14.3	37.7 56.5#
77	12.4	16.7 25.1#

