

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035355.D
 Acq On : 6 Aug 2020 18:31
 Operator : SY/AP
 Sample : L3554-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:28:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1440149	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3606967	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	3380857	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2841564	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

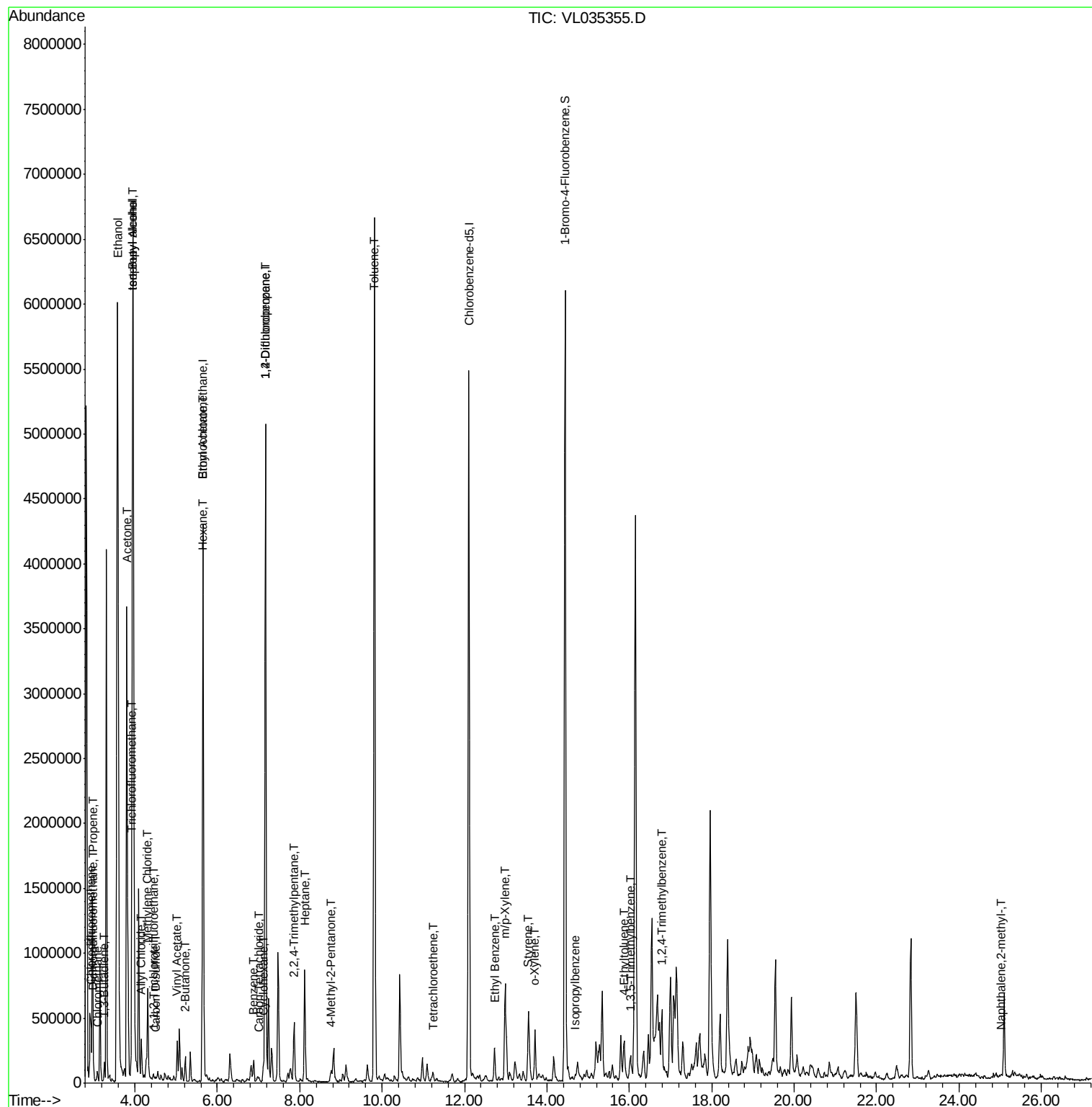
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	54864	0.286	ppbv #	87
3) Chlorodifluoromethane	2.94	51	615256	3.742	ppbv #	77
4) Chloromethane	3.09	50	52312	0.562	ppbv	96
9) Propene	2.97	41	281951	4.813	ppbv #	67
10) Heptane	8.12	43	331124	2.213	ppbv	100
11) Trichlorofluoromethane	3.91	101	52455	0.211	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.45	101	7496	0.042	ppbv #	12
13) Ethanol	3.58	45	9458366	468.140	ppbv	97
15) Acetone	3.80	43	3721881	18.199	ppbv	98
16) 1,3-Butadiene	3.26	39	45470	0.578	ppbv #	9
17) tert-Butyl alcohol	3.95	59	434894	2.317	ppbv	96
19) Isopropyl Alcohol	3.95	45	10051887	77.539	ppbv #	96
20) Methylene Chloride	4.31	84	219418	2.631	ppbv	95
21) Allyl Chloride	4.15	41	27757	0.237	ppbv #	1
23) Vinyl Acetate	5.04	43	154959	0.790	ppbv #	52
25) Ethyl Acetate	5.65	43	964116	3.103	ppbv	96
26) Hexane	5.66	57	247472	1.836	ppbv #	36
27) Carbon Disulfide	4.52	76	7362	0.039	ppbv #	53
30) Cyclohexane	7.12	84	13076	0.128	ppbv #	1
34) 2-Butanone	5.22	43	190743	1.074	ppbv	98
35) Carbon Tetrachloride	7.01	117	14893	0.060	ppbv #	43
36) Benzene	6.88	78	126173	0.518	ppbv	93
39) 1,2-Dichloropropane	7.17	63	934448	9.477	ppbv #	21
44) 2,2,4-Trimethylpentane	7.86	57	314021	0.726	ppbv #	79
50) 4-Methyl-2-Pentanone	8.74	43	20929	0.077	ppbv #	38
52) Tetrachloroethene	11.22	164	3554	0.037	ppbv #	56
53) Toluene	9.81	91	5156086	19.460	ppbv	98
58) Ethyl Benzene	12.73	91	204353	0.581	ppbv #	82
59) m/p-Xylene	12.99	91	699136	2.134	ppbv	96
60) o-Xylene	13.71	91	154971	0.477	ppbv #	47
61) Styrene	13.55	104	264935	1.335	ppbv	99
62) Isopropylbenzene	14.69	105	26965	0.055	ppbv	99
72) 4-Ethyltoluene	15.86	105	92326	0.249	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.02	105	114338	0.322	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	337408	0.830	ppbv #	75
80) Naphthalene,2-methyl-	25.00	142	4793	0.067	ppbv #	44

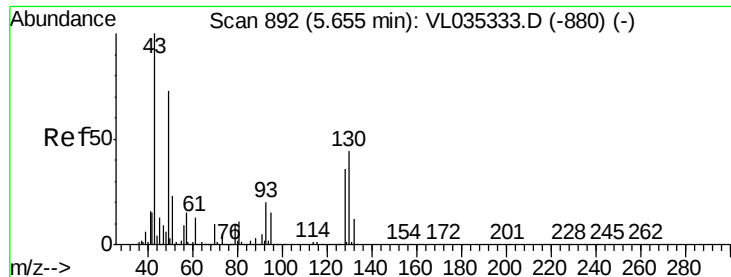
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
Data File : VL035355.D
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Misc : 400ml/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:28:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

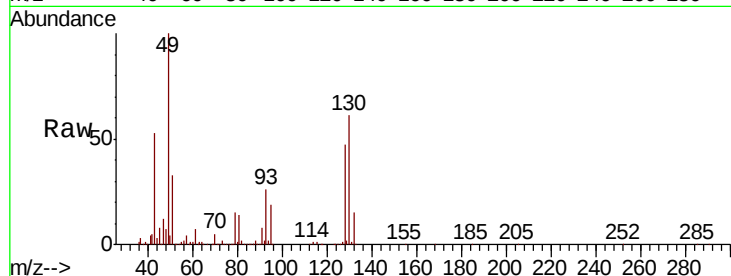
Tot Ion: 49 Resp: 1440149

Ion Ratio Lower Upper

49 100

128 49.7 25.4 76.0

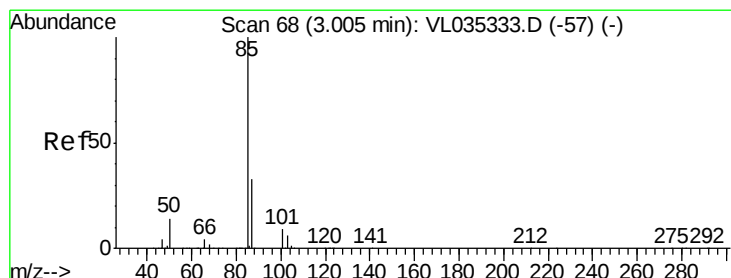
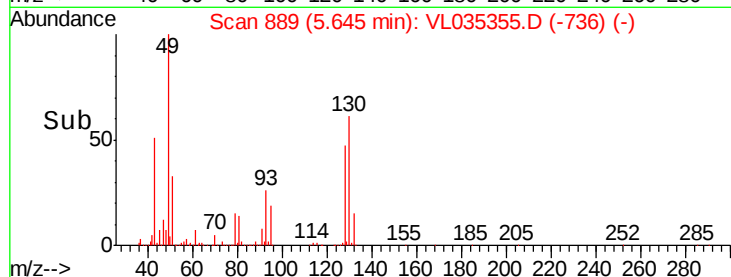
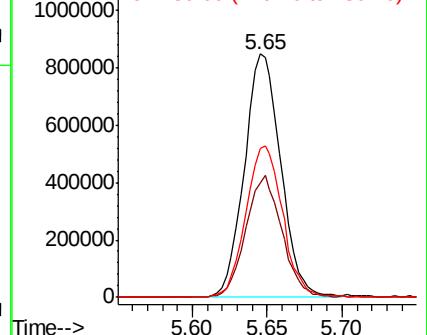
130 63.1 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.286 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035355.D

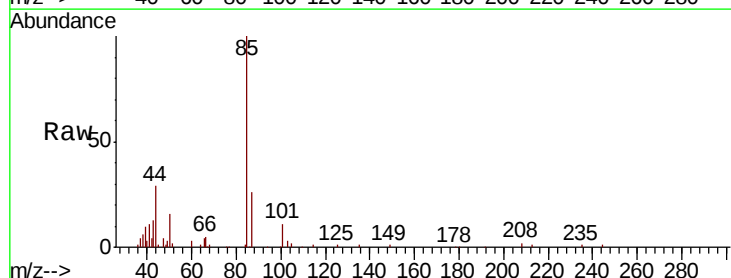
Acq: 6 Aug 2020 18:31

Tgt Ion: 85 Resp: 54864

Ion Ratio Lower Upper

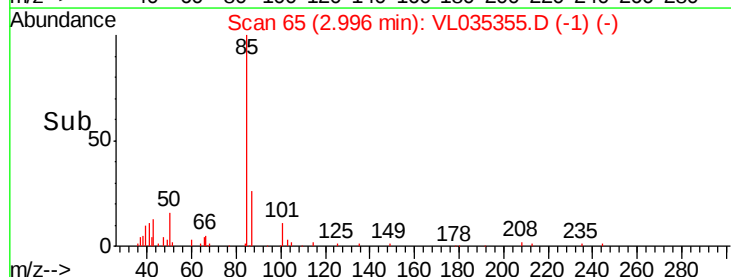
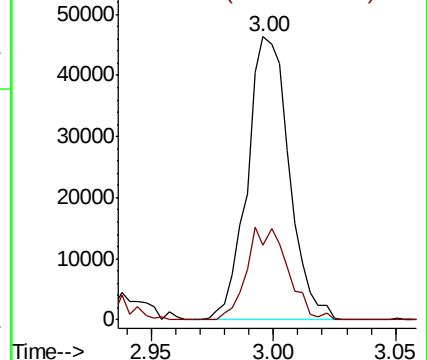
85 100

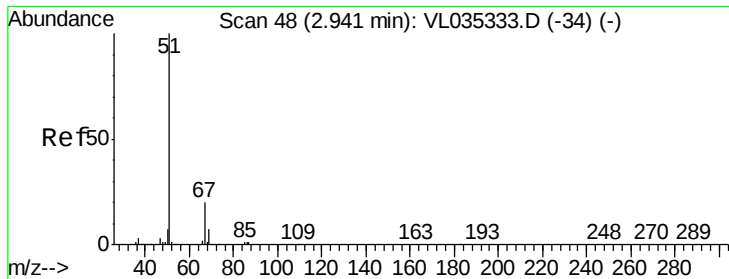
87 26.2 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.742 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

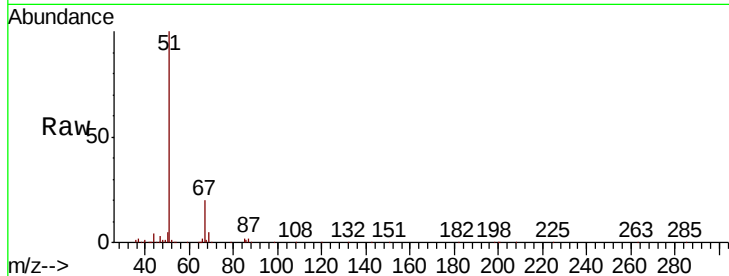
ClientSampleId :

Tot Ion: 51 Resp: 615256

Ion Ratio Lower Upper

51 100

67 9.9 16.6 25.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.94

250000

200000

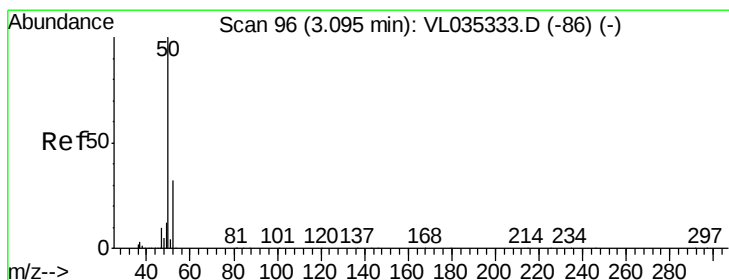
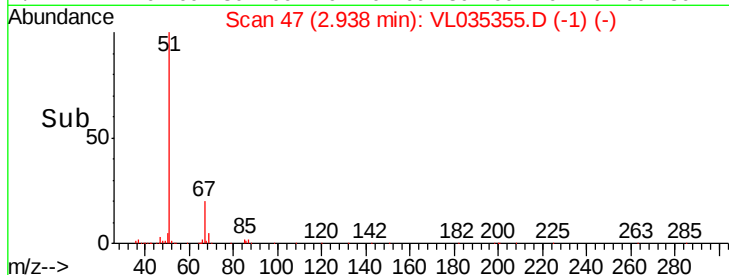
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 0.562 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL035355.D

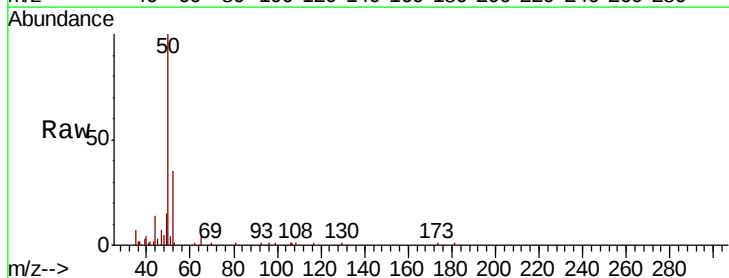
Acq: 6 Aug 2020 18:31

Tgt Ion: 50 Resp: 52312

Ion Ratio Lower Upper

50 100

52 34.9 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.09

40000

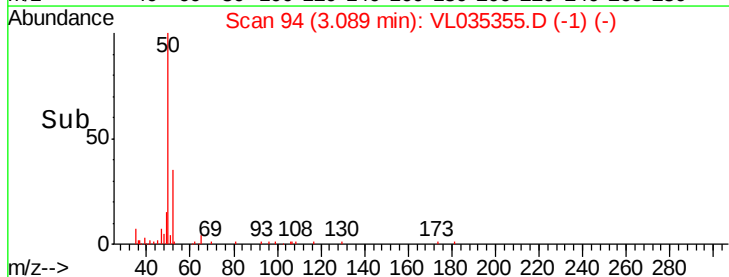
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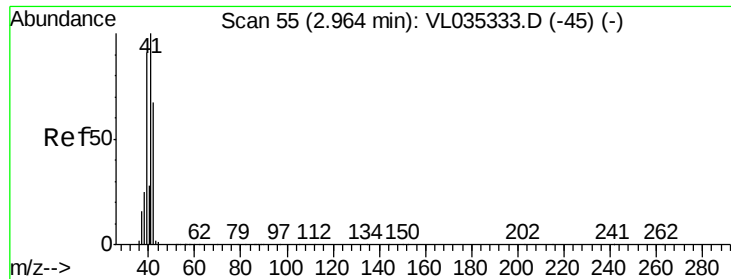
20000

10000

0

Time-->





#9

Propene

Concen: 4.813 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

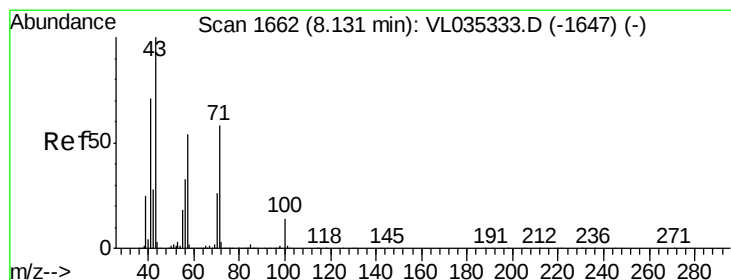
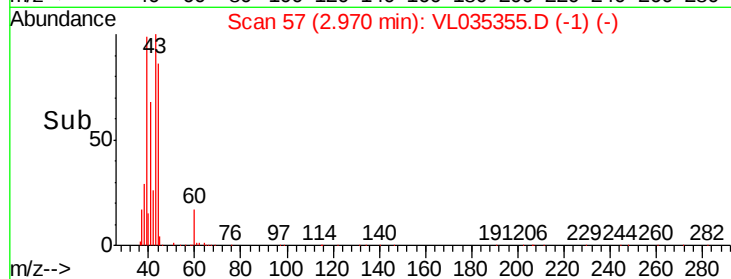
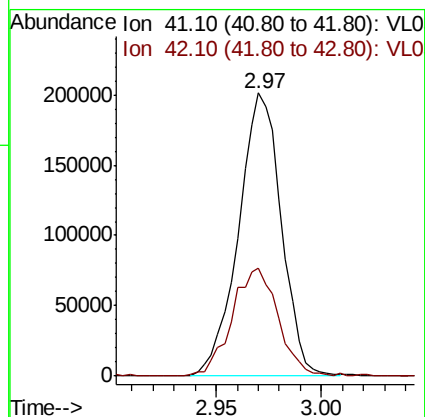
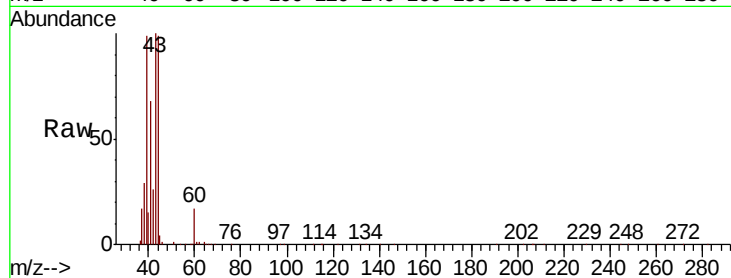
ClientSampleId :

Tot Ion: 41 Resp: 281951

Ion Ratio Lower Upper

41 100

42 41.8 55.3 82.9#



#10

Heptane

Concen: 2.213 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035355.D

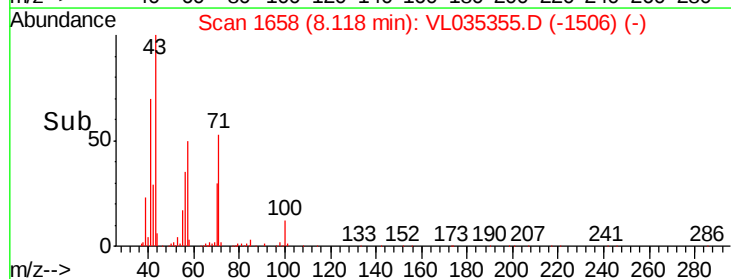
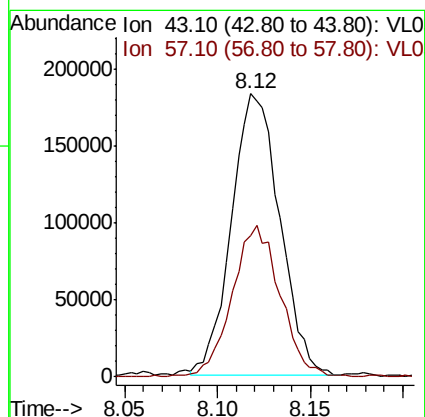
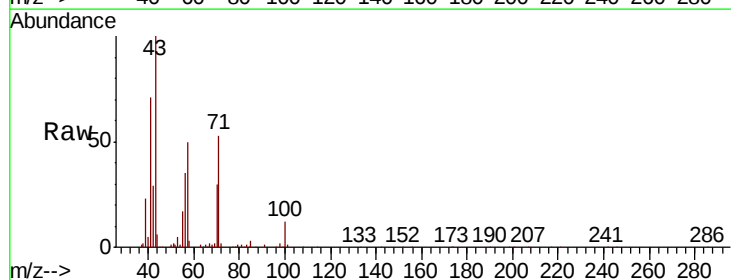
Acq: 6 Aug 2020 18:31

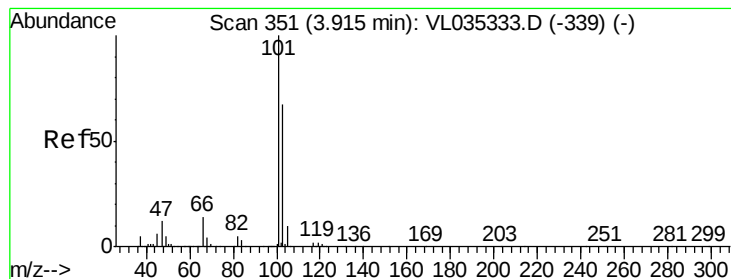
Tgt Ion: 43 Resp: 331124

Ion Ratio Lower Upper

43 100

57 53.8 43.0 64.6





#11

Trichlorofluoromethane

Concen: 0.211 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

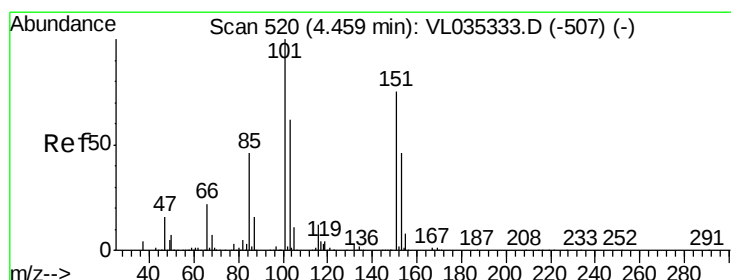
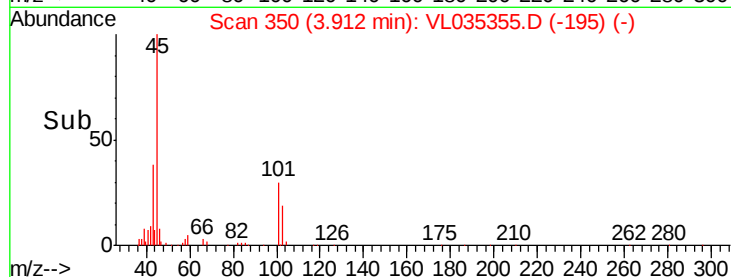
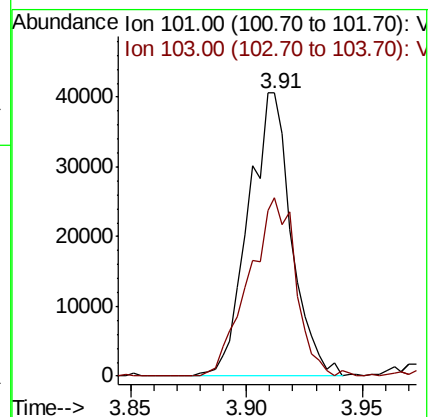
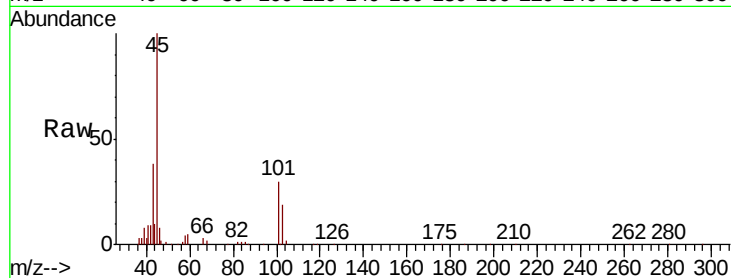
ClientSampleId :

Tot Ion:101 Resp: 52455

Ion Ratio Lower Upper

101 100

103 62.7 53.8 80.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.042 ppbv

RT: 4.45 min Scan# 516

Delta R.T. -0.01 min

Lab File: VL035355.D

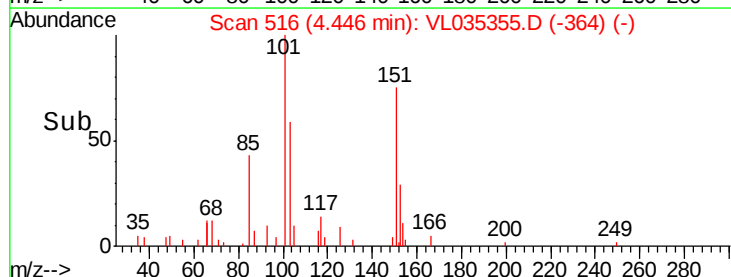
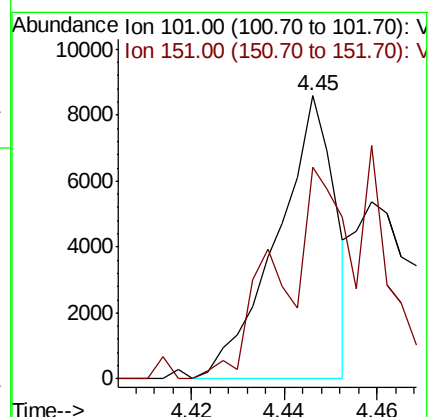
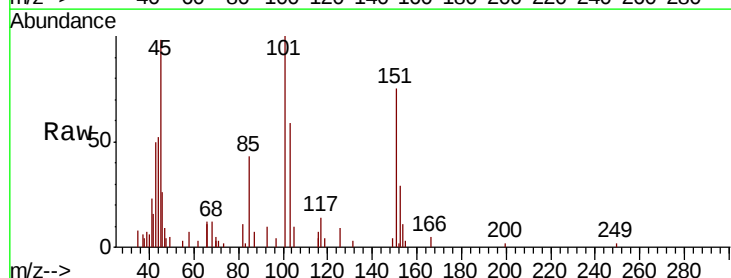
Acq: 6 Aug 2020 18:31

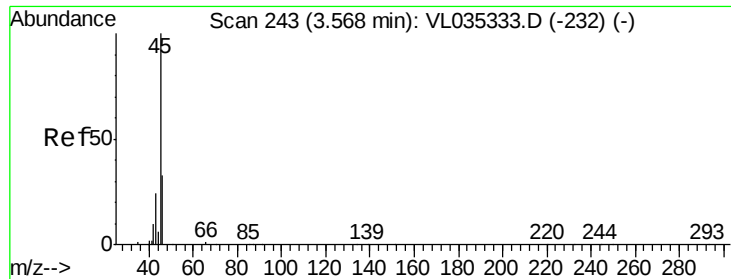
Tgt Ion:101 Resp: 7496

Ion Ratio Lower Upper

101 100

151 0.0 59.5 89.3#

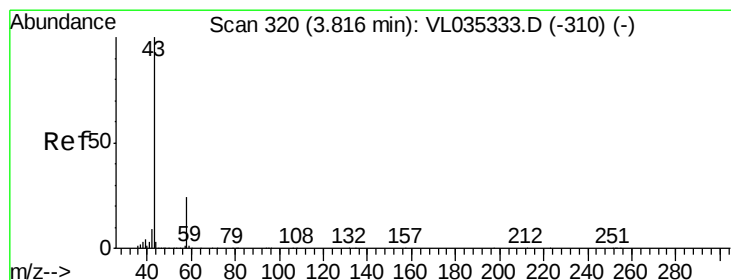
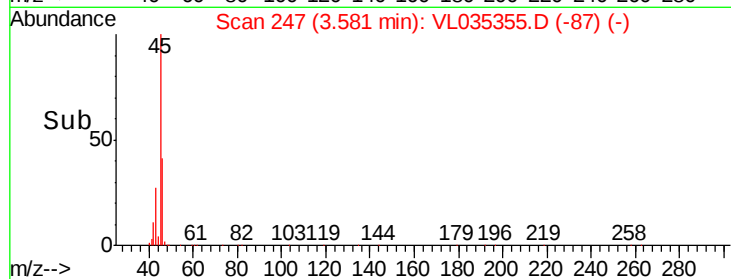
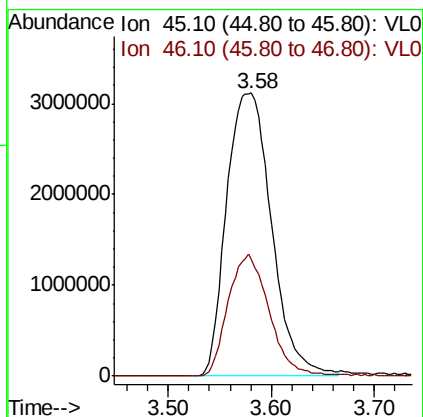
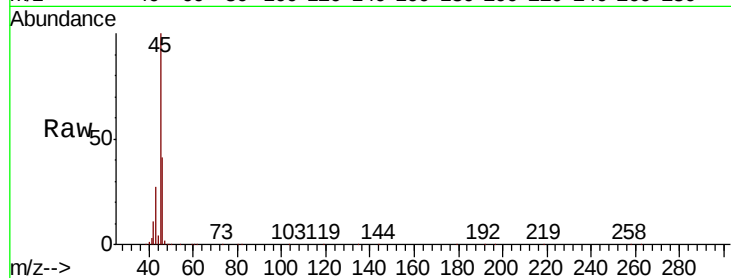




#13
Ethanol
Concen: 468.140 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

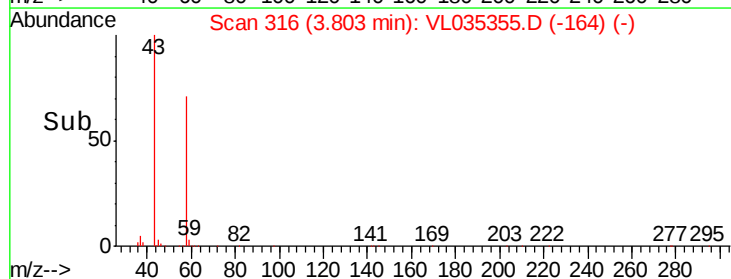
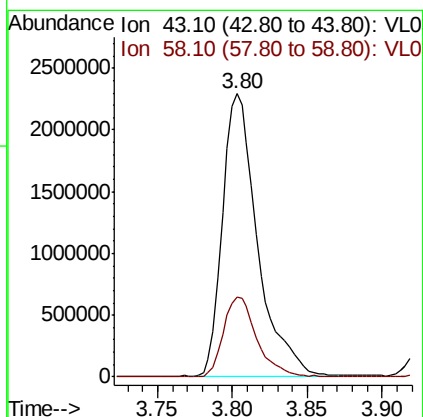
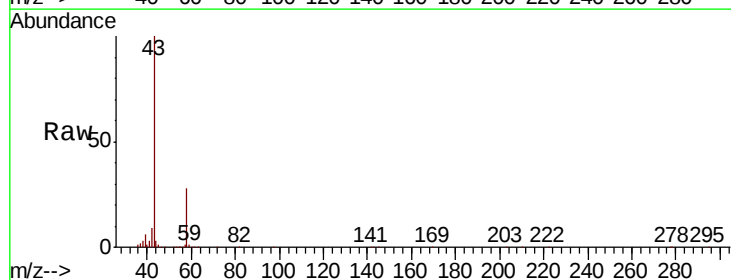
Instrument :
MSVOA_L
ClientSampleId :

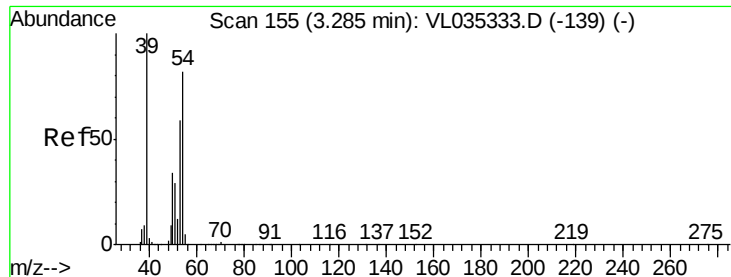
Tot Ion: 45 Resp: 9458366
Ion Ratio Lower Upper
45 100
46 39.8 15.2 61.0



#15
Acetone
Concen: 18.199 ppbv
RT: 3.80 min Scan# 316
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion: 43 Resp: 3721881
Ion Ratio Lower Upper
43 100
58 27.3 21.0 31.4

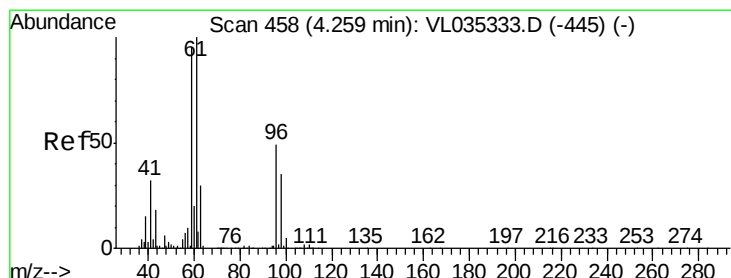
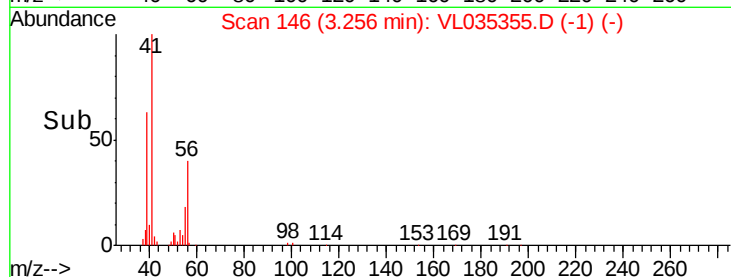
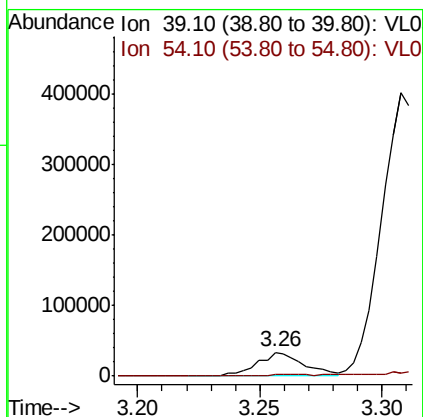
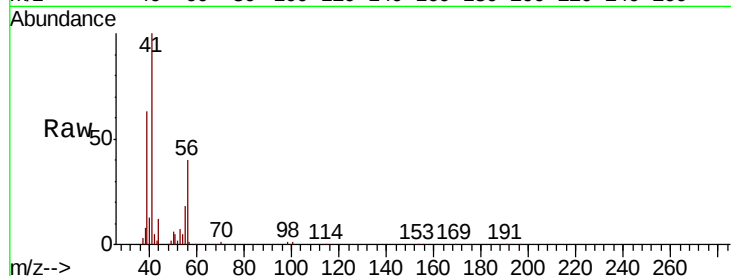




#16
1,3-Butadiene
Concen: 0.578 ppbv
RT: 3.26 min Scan# 146
Delta R.T. -0.03 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

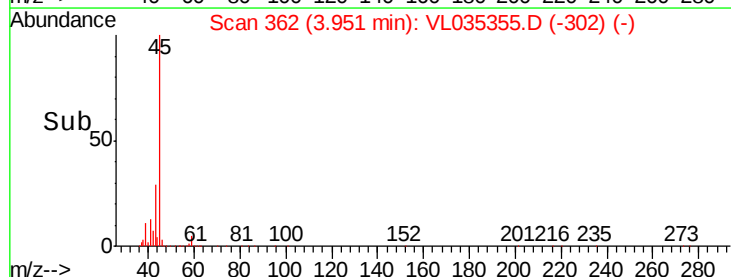
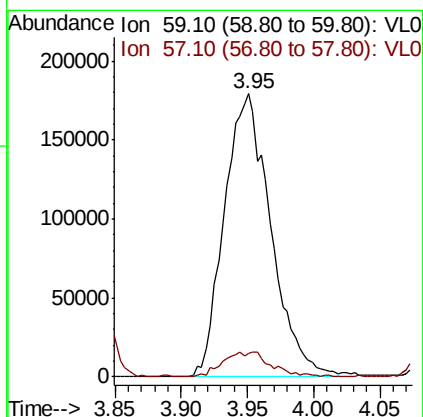
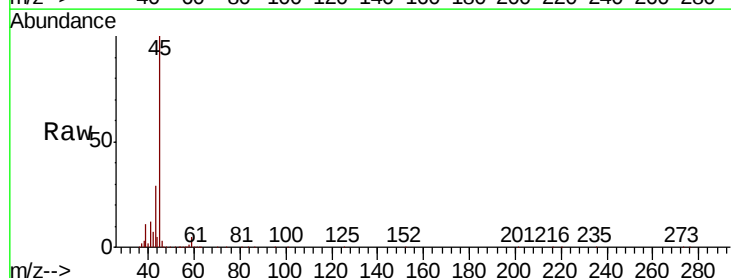
Instrument :
MSVOA_L
ClientSampleId :

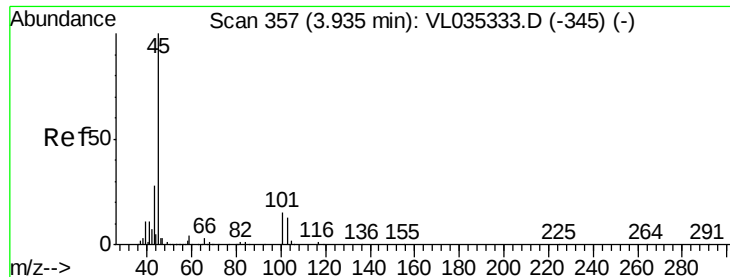
Tot Ion: 39 Resp: 45470
Ion Ratio Lower Upper
39 100
54 0.0 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 2.317 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.31 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion: 59 Resp: 434894
Ion Ratio Lower Upper
59 100
57 9.6 8.8 13.2



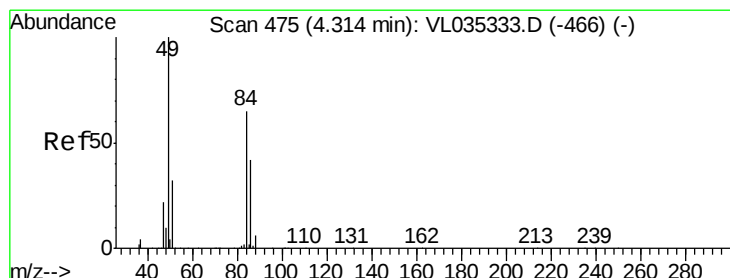
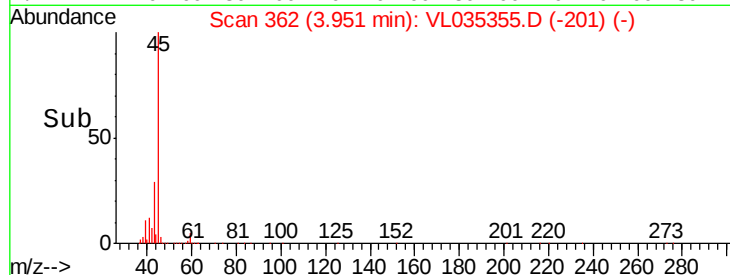
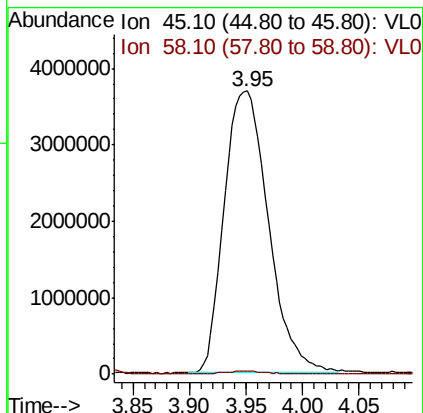
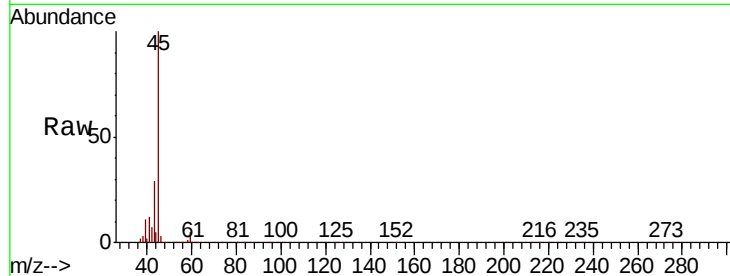


#19

Isopropyl Alcohol
 Concen: 77.539 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :

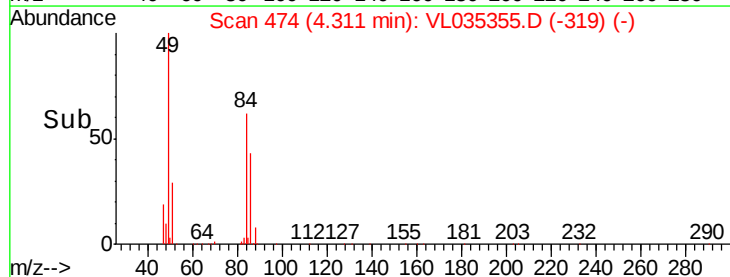
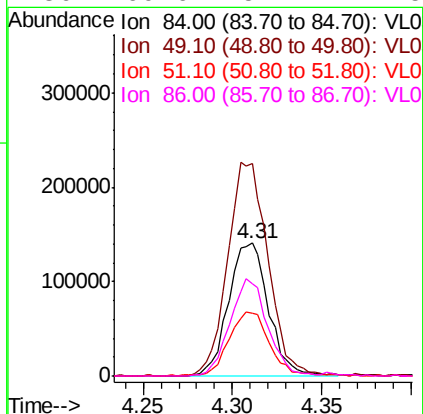
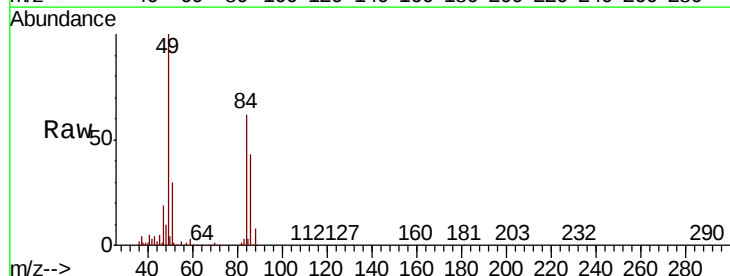
Tot Ion: 45 Resp:10051887
 Ion Ratio Lower Upper
 45 100
 58 1.1 1.9 2.9#

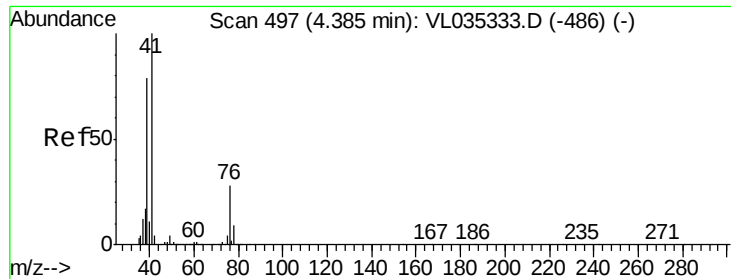


#20

Methylene Chloride
 Concen: 2.631 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Tgt Ion: 84 Resp: 219418
 Ion Ratio Lower Upper
 84 100
 49 159.4 122.8 184.2
 51 47.4 40.1 60.1
 86 69.6 51.7 77.5

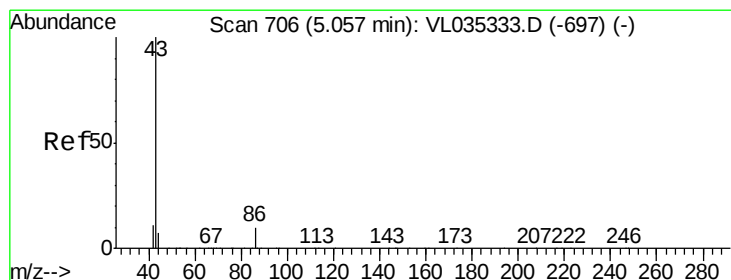
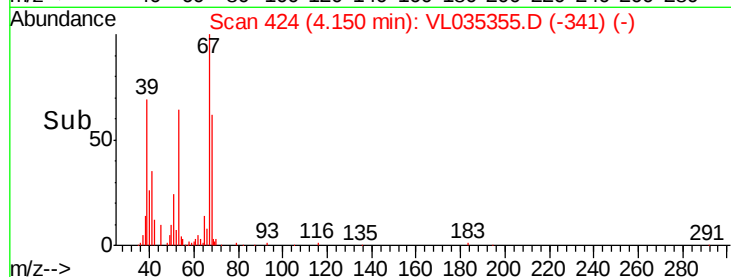
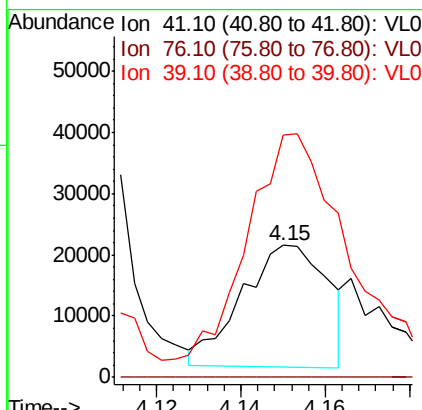
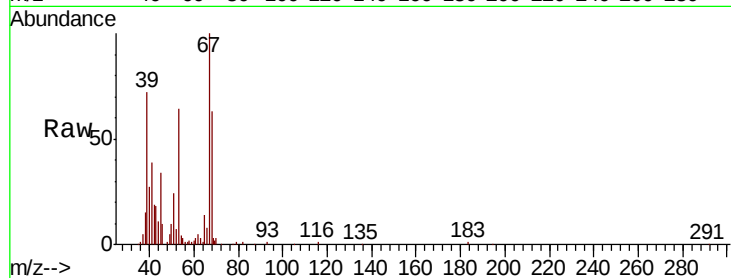




#21
Allvl Chloride
Concen: 0.237 ppbv
RT: 4.15 min Scan# 424
Delta R.T. -0.23 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

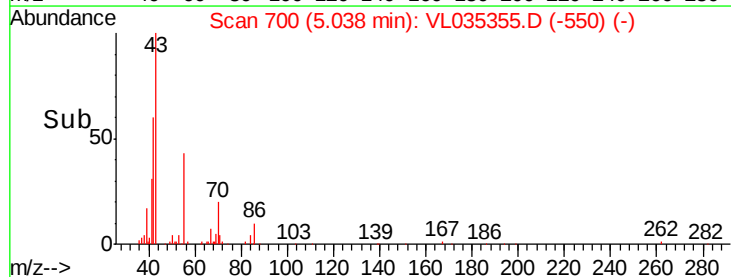
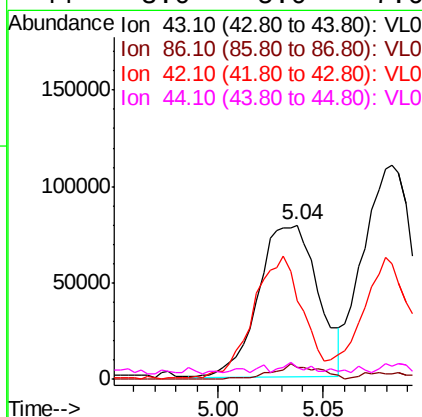
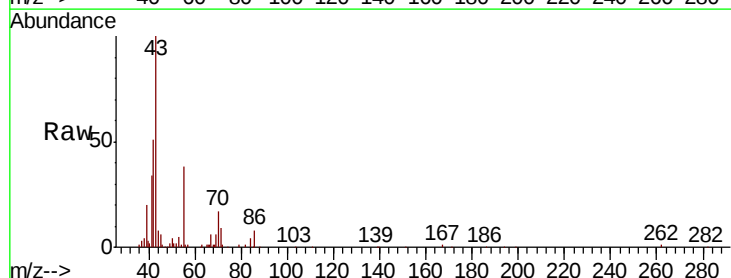
Instrument :
MSVOA_L
ClientSampleId :

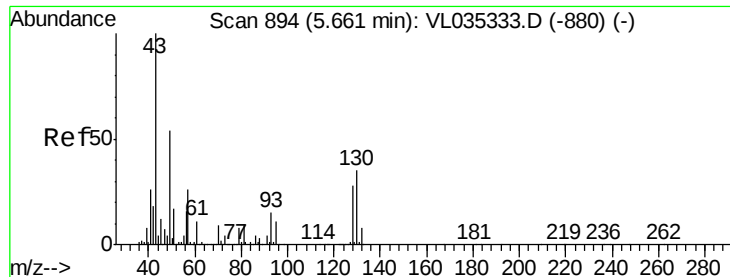
Tot Ion: 41 Resp: 27757
Ion Ratio Lower Upper
41 100
76 0.0 23.8 35.6#
39 237.7 65.0 97.6#



#23
Vinyl Acetate
Concen: 0.790 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.02 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion: 43 Resp: 154959
Ion Ratio Lower Upper
43 100
86 8.0 6.9 10.3
42 50.9 8.8 13.2#
44 3.0 5.0 7.6#

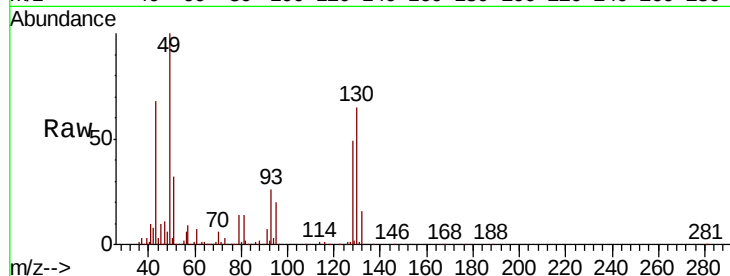




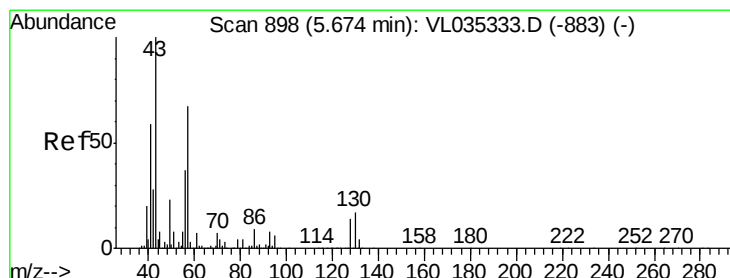
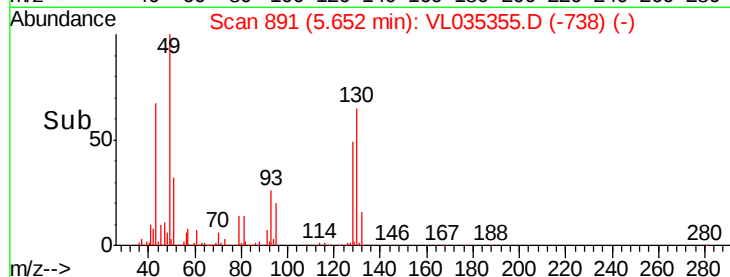
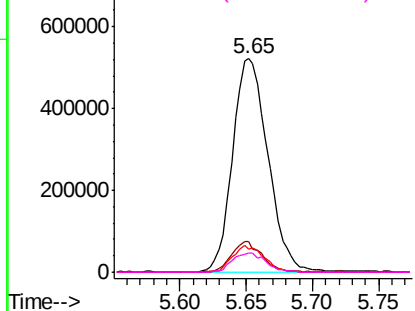
#25
Ethyl Acetate
Concen: 3.103 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	964116
Ion	Ratio	Lower	Upper
43	100		
45	12.7	8.5	12.7
61	11.4	8.1	12.1
70	8.6	6.5	9.7

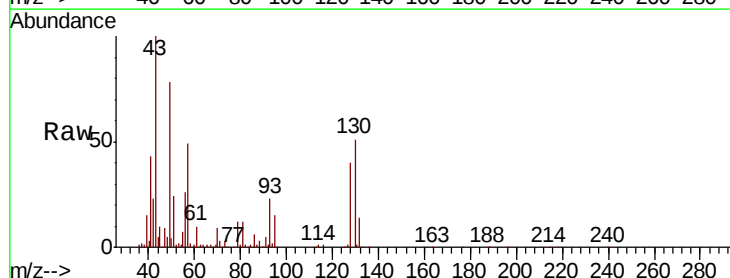


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

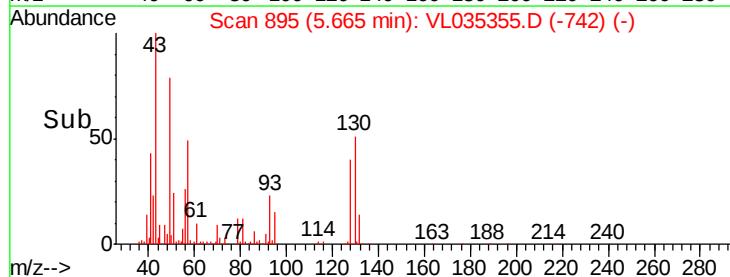
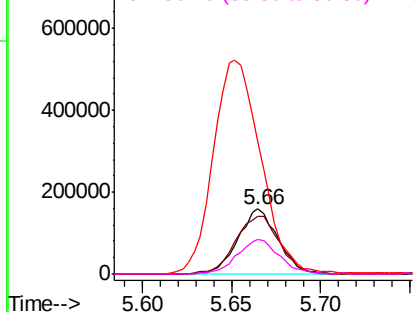


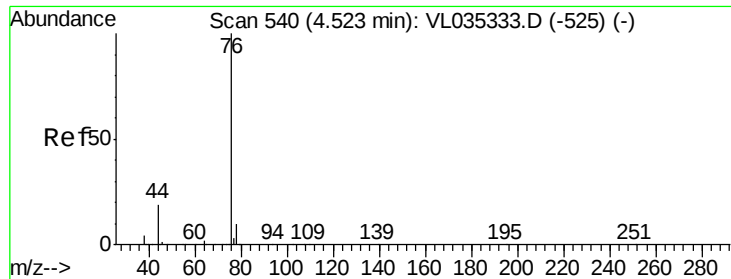
#26
Hexane
Concen: 1.836 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion:	57	Resp:	247472
Ion	Ratio	Lower	Upper
57	100		
41	100.2	75.2	112.8
43	394.3	180.6	270.8#
56	56.3	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

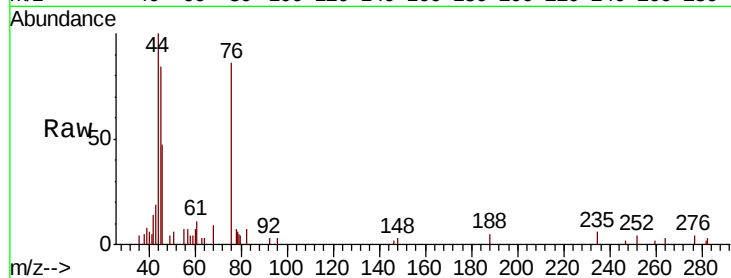




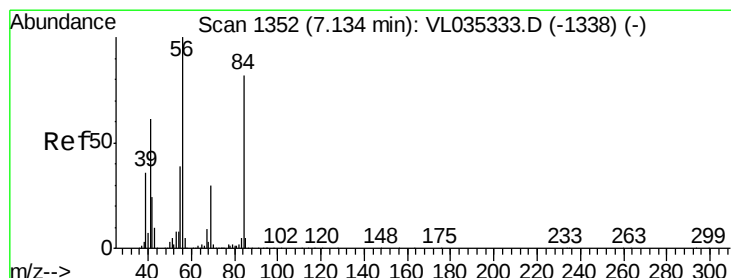
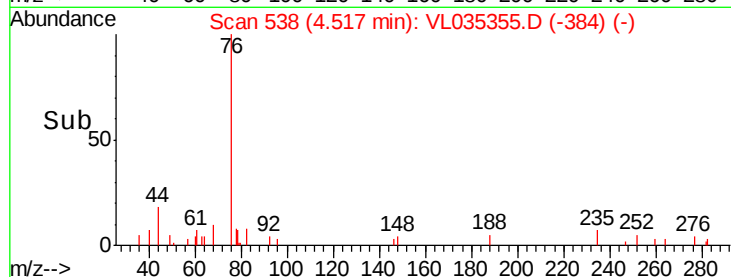
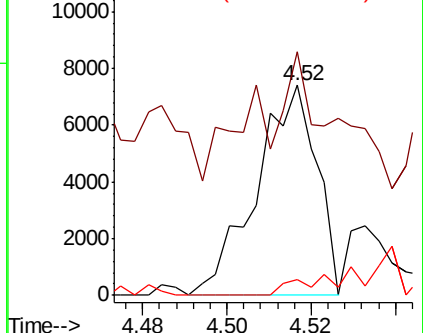
#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 7362
Ion Ratio Lower Upper
76 100
44 45.5 15.4 23.2#
78 0.0 7.7 11.5#

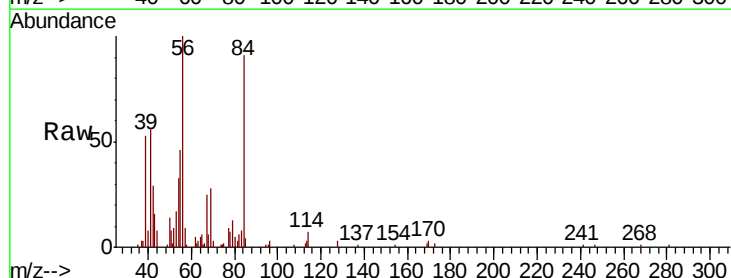


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

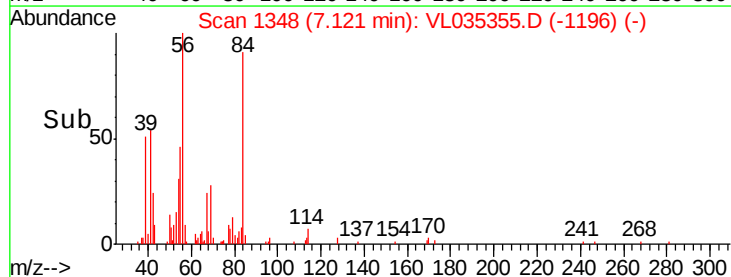
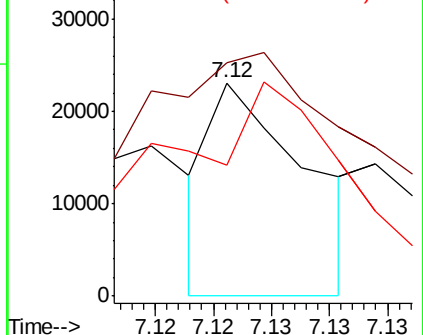


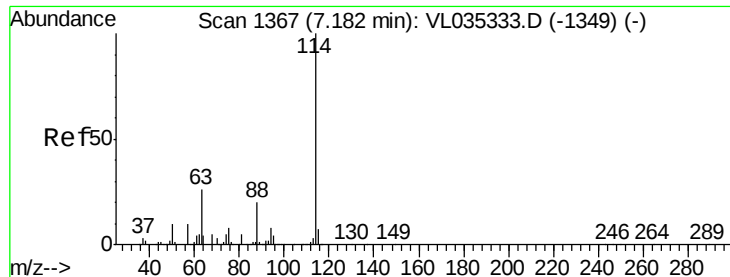
#30
Cyclohexane
Concen: 0.128 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion: 84 Resp: 13076
Ion Ratio Lower Upper
84 100
56 369.6 104.7 157.1#
41 297.7 64.2 96.2#



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

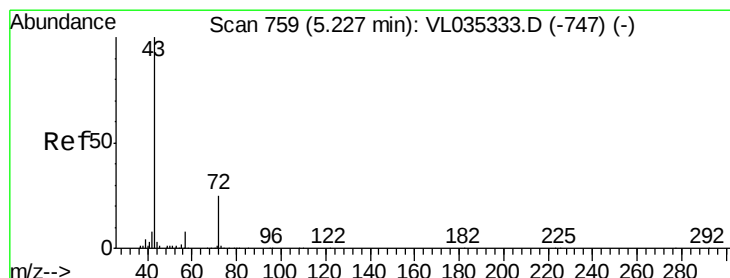
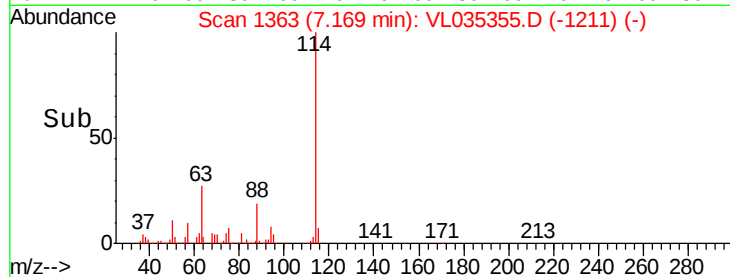
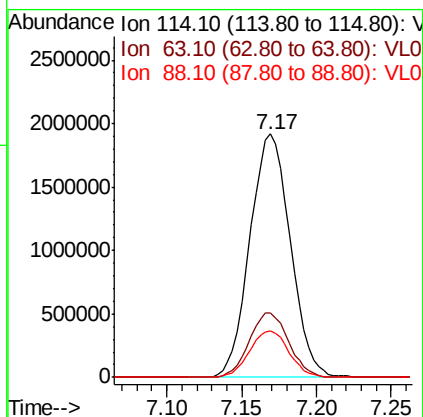
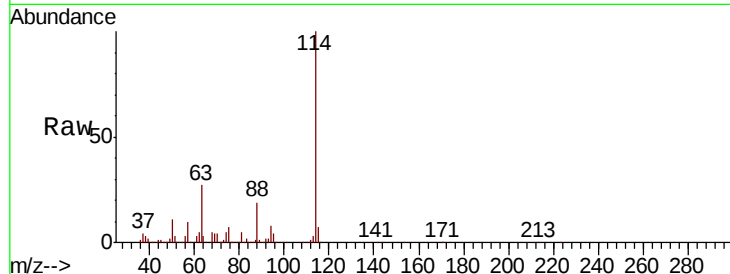




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

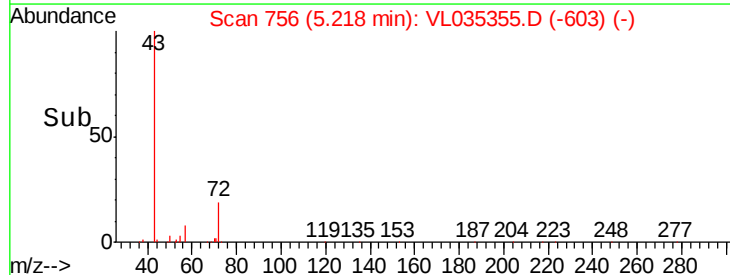
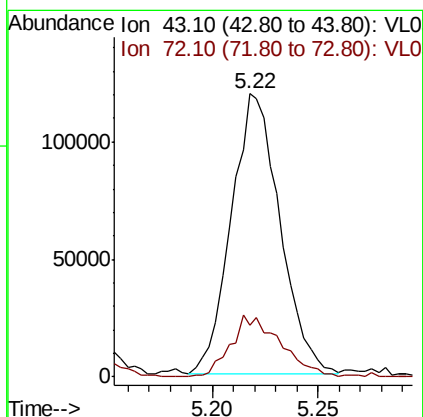
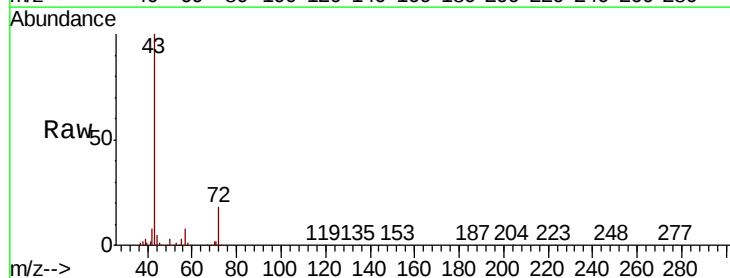
Instrument :
 MSVOA_L
 ClientSampled :

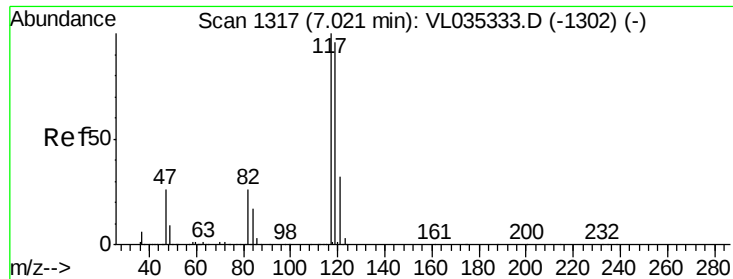
Tot Ion:114 Resp: 3606967
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.3 31.9
 88 18.7 15.3 22.9



#34
 2-Butanone
 Concen: 1.074 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Tgt Ion: 43 Resp: 190743
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.9 28.3





#35

Carbon Tetrachloride

Concen: 0.060 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

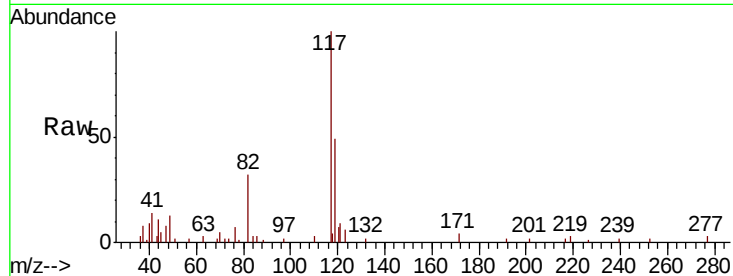
Tot Ion:117 Resp: 14893

Ion Ratio Lower Upper

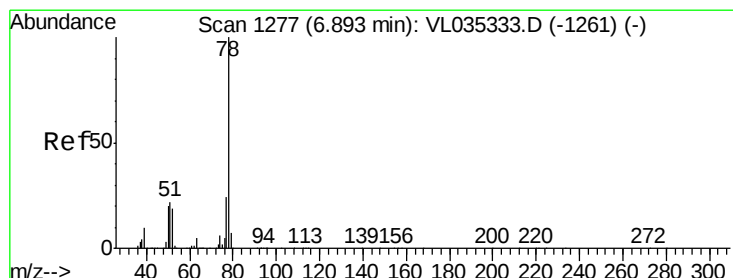
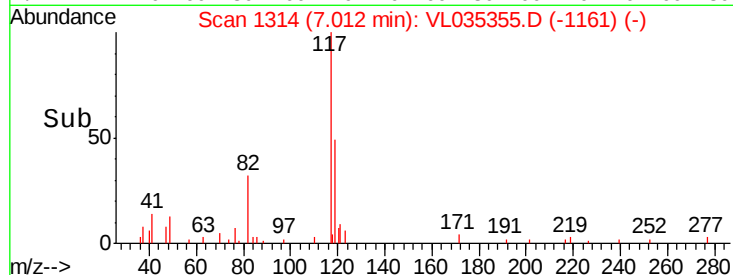
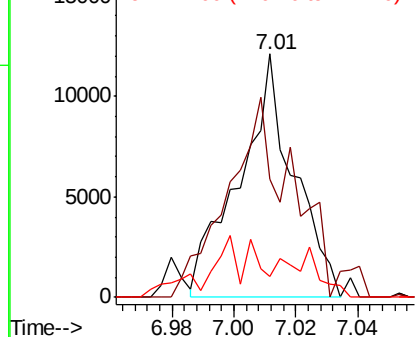
117 100

119 38.1 77.0 115.6#

121 3.9 26.0 39.0#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.518 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

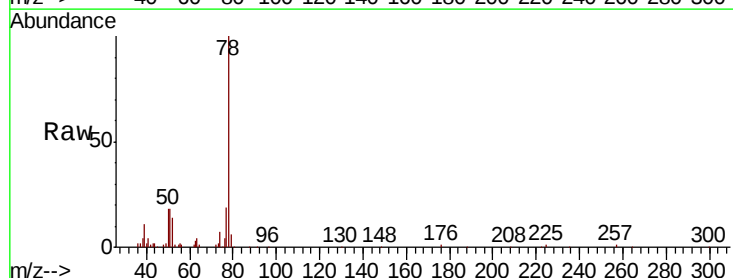
Tgt Ion: 78 Resp: 126173

Ion Ratio Lower Upper

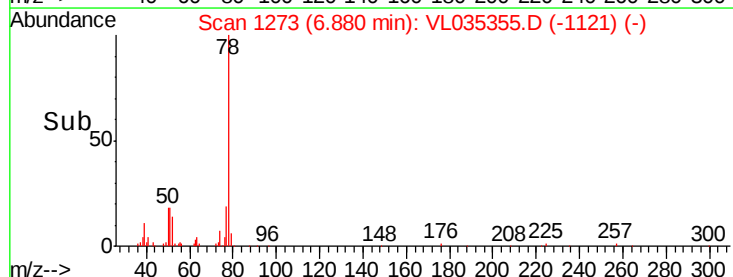
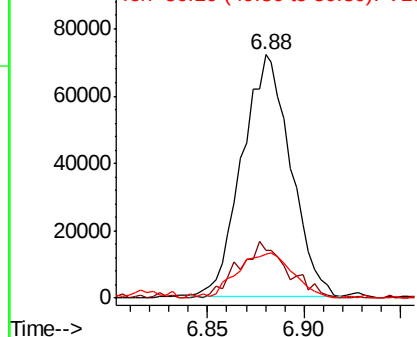
78 100

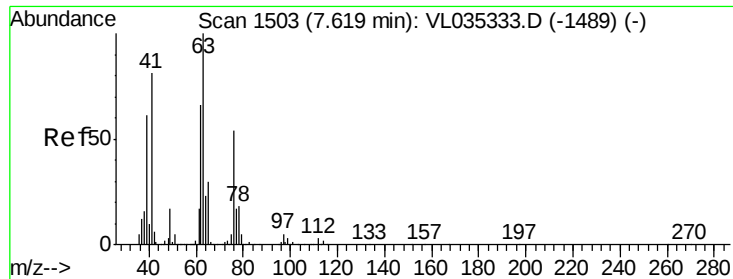
77 19.6 19.3 28.9

50 18.0 16.3 24.5



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

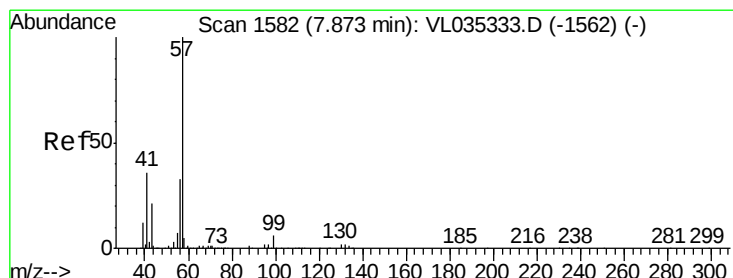
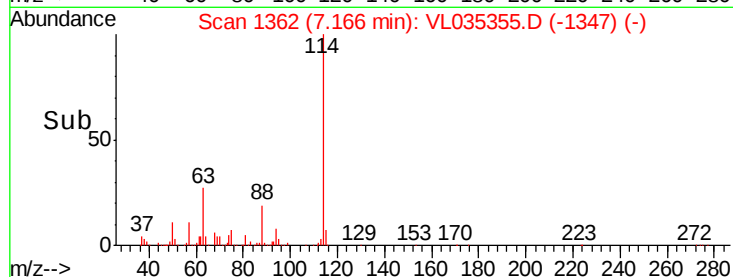
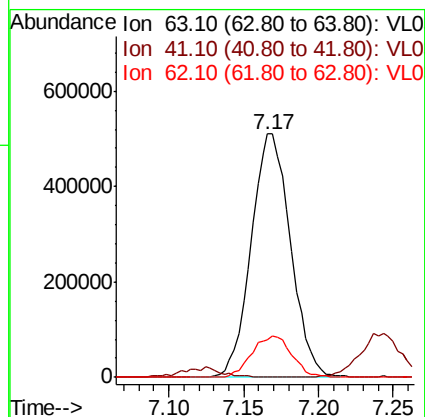
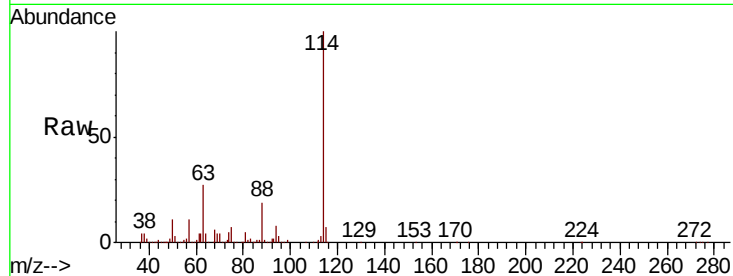




#39
 1,2-Dichloropropane
 Concen: 9.477 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

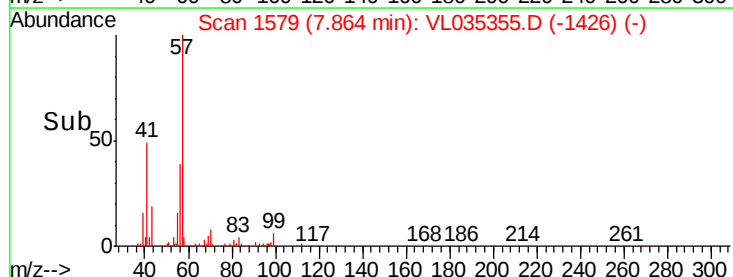
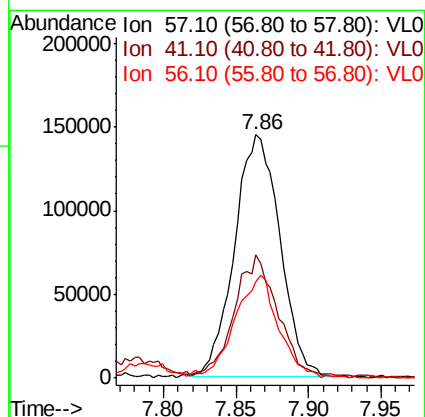
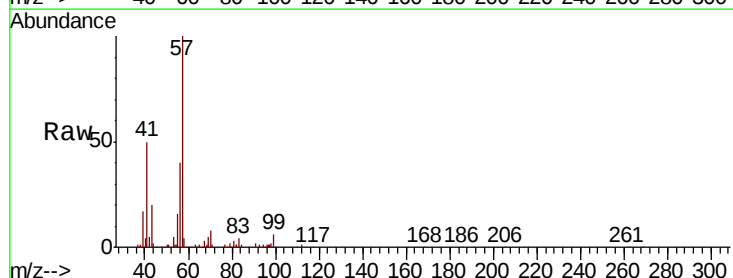
Instrument :
 MSVOA_L
 ClientSampleId :

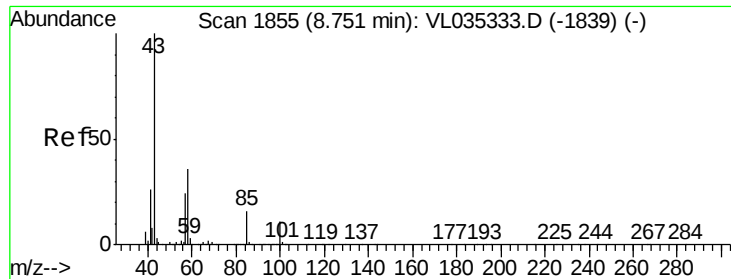
Tot Ion: 63 Resp: 934448
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 15.4 52.6 78.8#



#44
 2,2,4-Trimethylpentane
 Concen: 0.726 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Tgt Ion: 57 Resp: 314021
 Ion Ratio Lower Upper
 57 100
 41 49.5 27.9 41.9#
 56 41.0 25.4 38.0#





#50

4-Methyl-2-Pentanone

Concen: 0.077 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

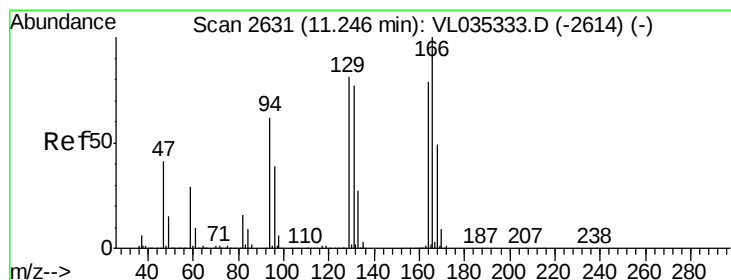
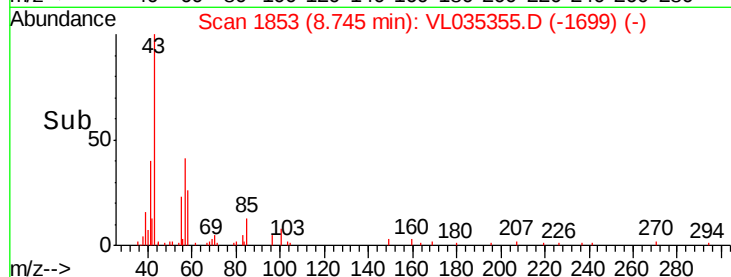
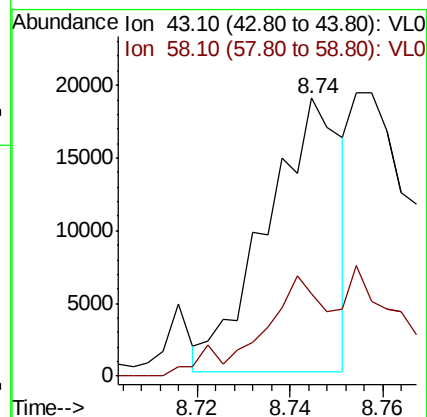
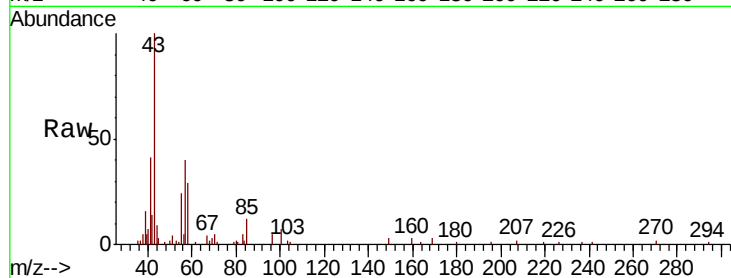
ClientSampleId :

Tot Ion: 43 Resp: 20929

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#



#52

Tetrachloroethene

Concen: 0.037 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.03 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Tgt Ion: 164 Resp: 3554

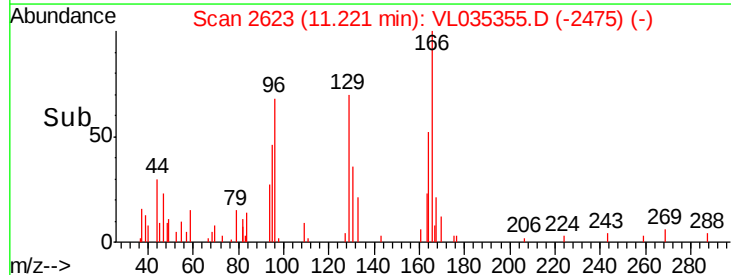
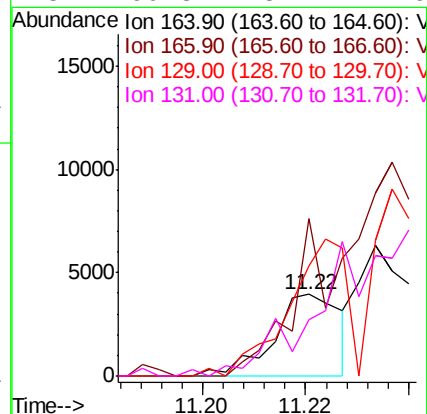
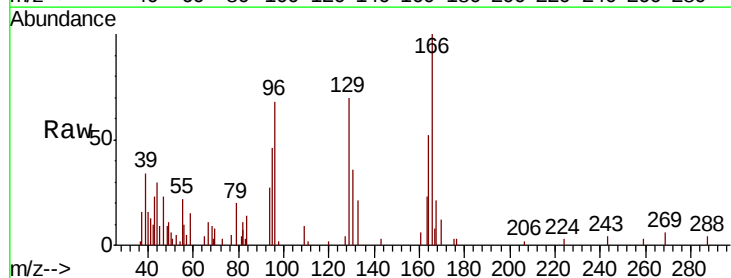
Ion Ratio Lower Upper

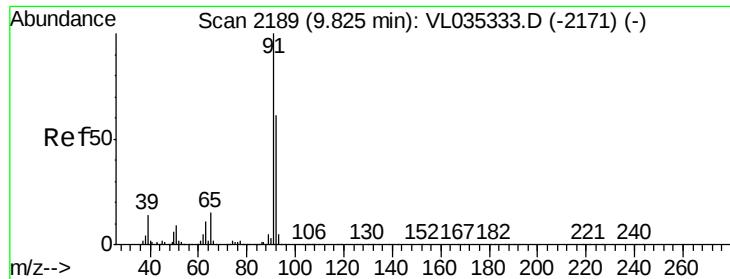
164 100

166 192.8 101.4 152.0#

129 134.6 82.1 123.1#

131 60.3 78.4 117.6#





#53

Toluene

Concen: 19.460 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

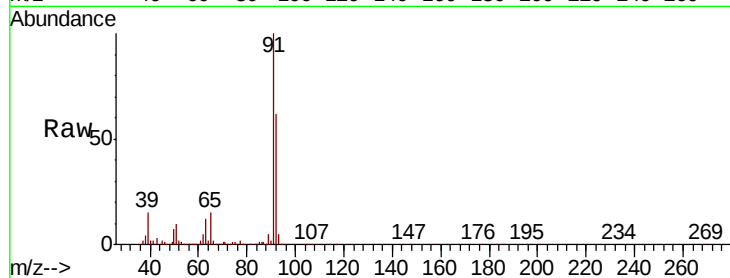
ClientSampleId :

Tot Ion: 91 Resp: 5156086

Ion Ratio Lower Upper

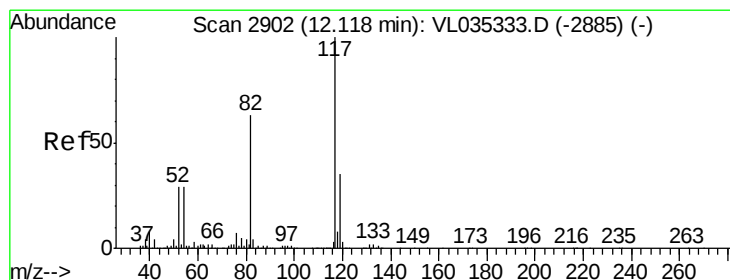
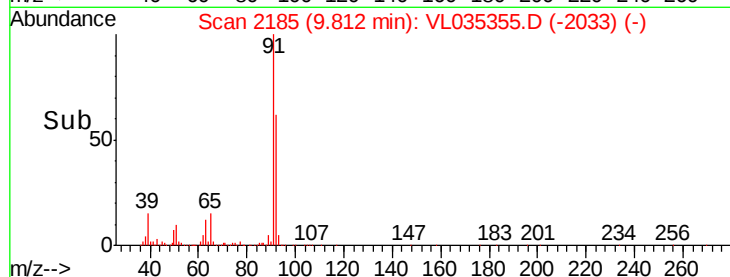
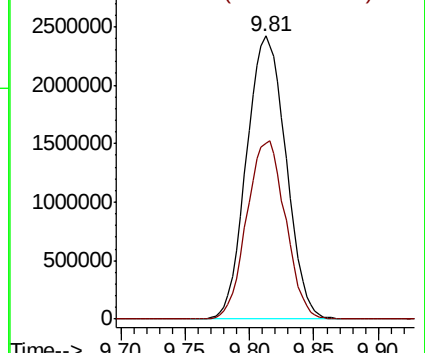
91 100

92 62.0 48.5 72.7



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: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

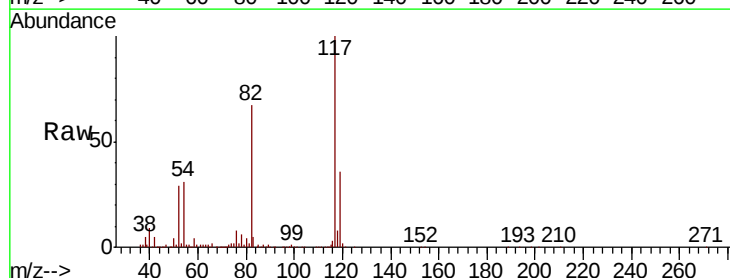
Tgt Ion: 117 Resp: 3380857

Ion Ratio Lower Upper

117 100

82 65.8 51.0 76.4

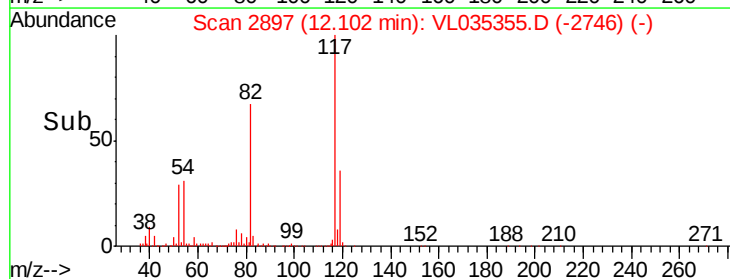
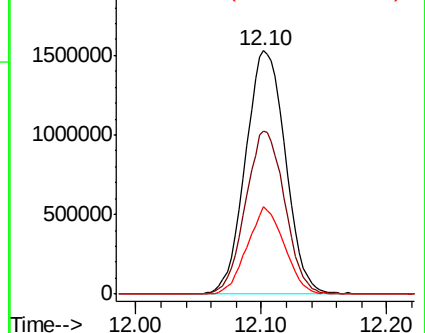
119 33.5 24.7 37.1

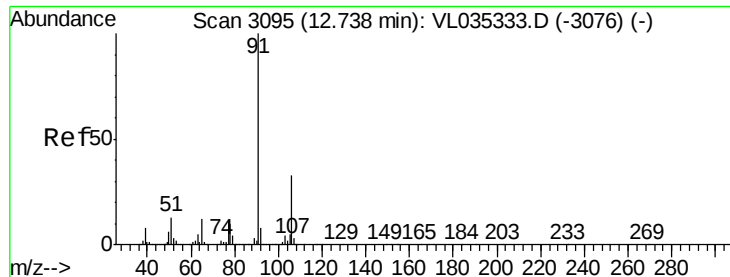


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.581 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

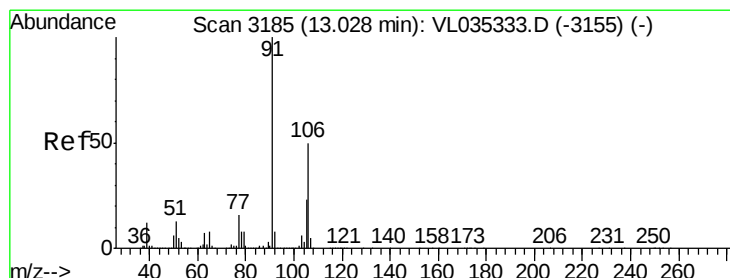
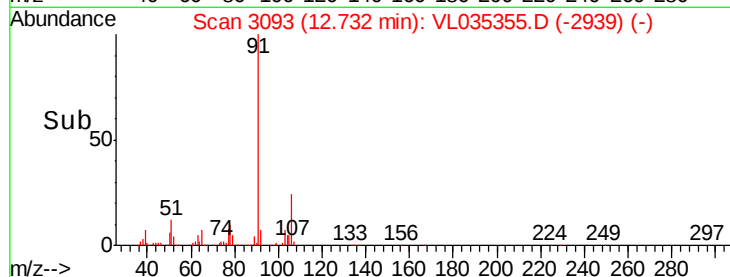
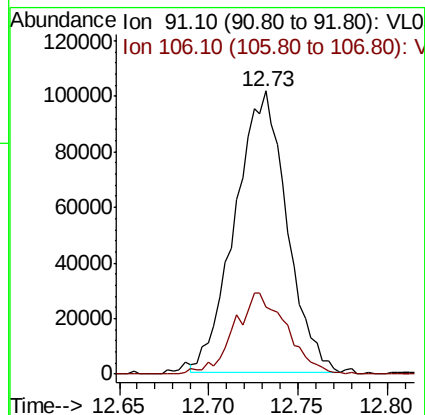
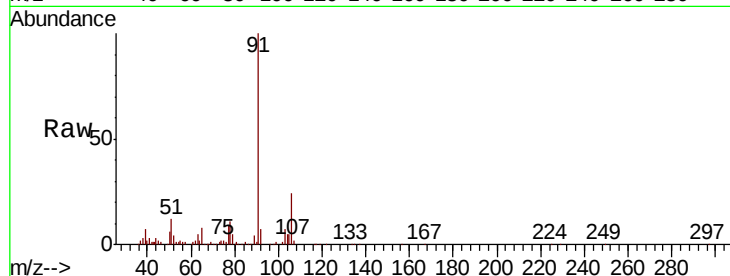
ClientSampled :

Tot Ion: 91 Resp: 204353

Ion Ratio Lower Upper

91 100

106 23.0 26.8 40.2#



#59

m/p-Xylene

Concen: 2.134 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.04 min

Lab File: VL035355.D

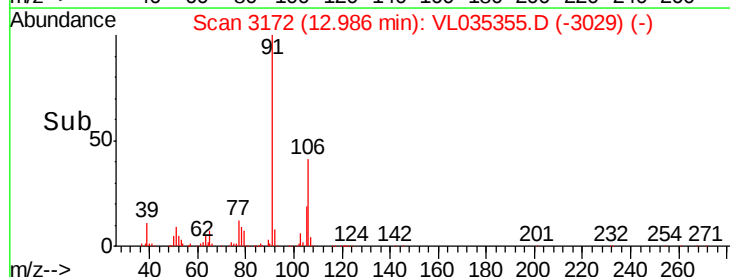
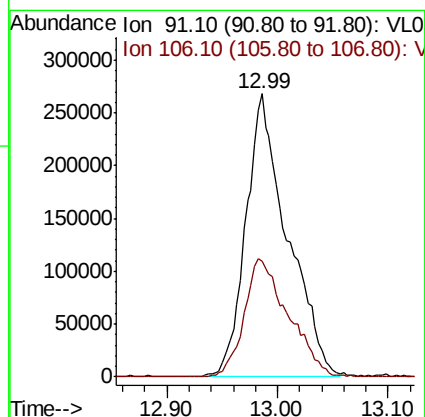
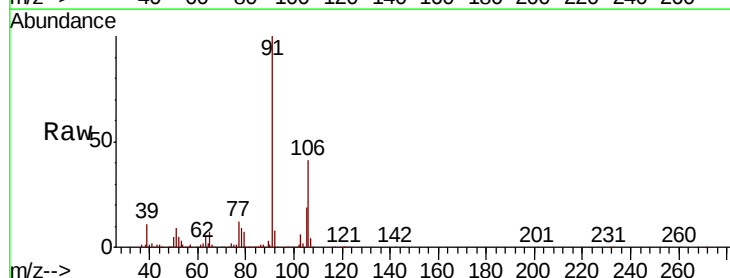
Acq: 6 Aug 2020 18:31

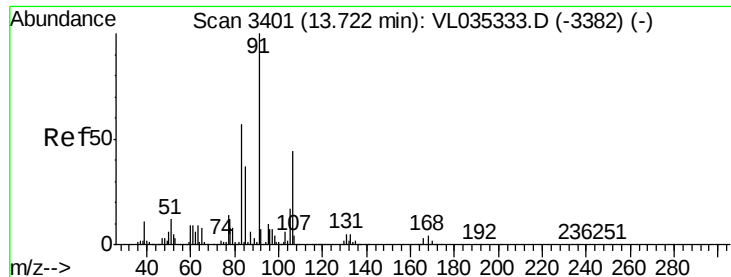
Tgt Ion: 91 Resp: 699136

Ion Ratio Lower Upper

91 100

106 44.3 37.8 56.8

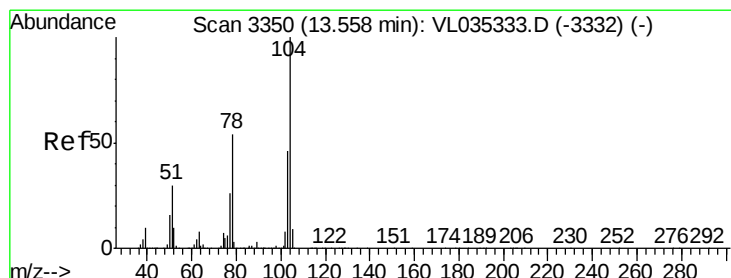
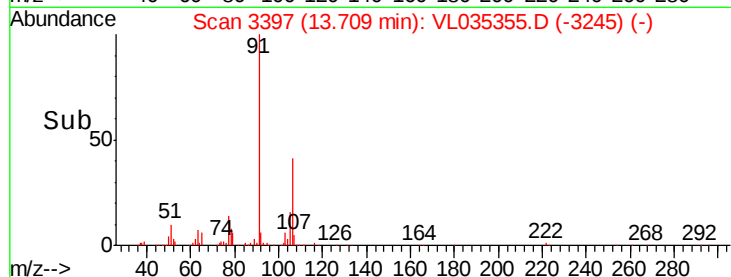
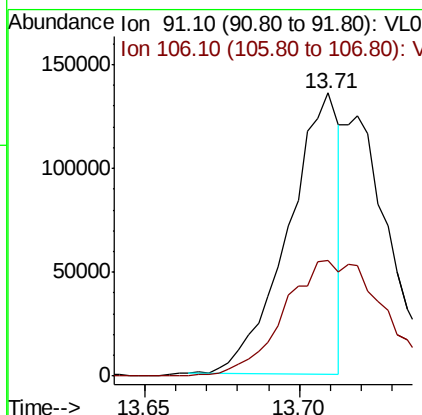
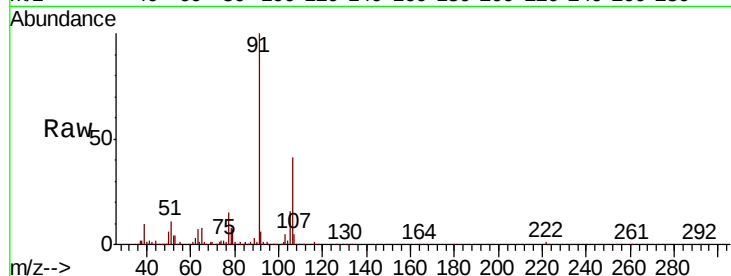




#60
o-Xylene
Concen: 0.477 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

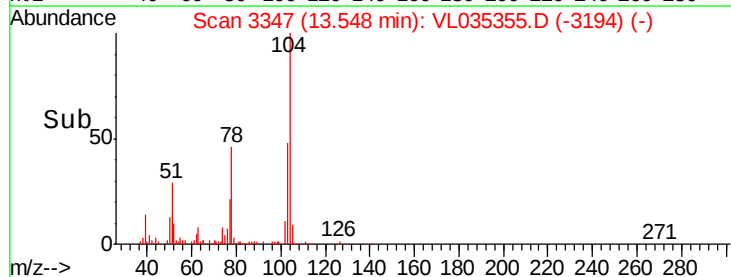
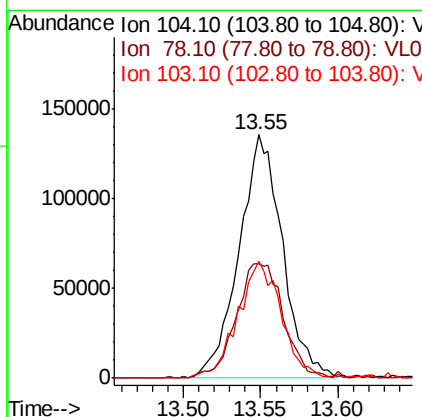
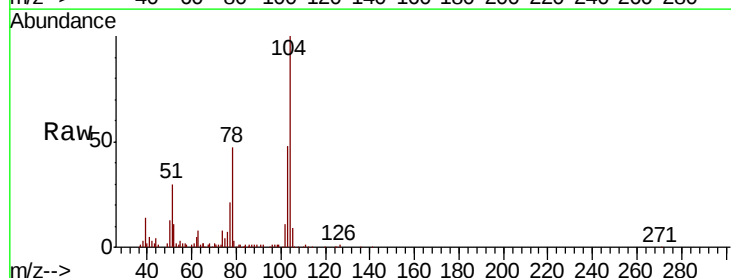
Instrument :
MSVOA_L
ClientSampleId :

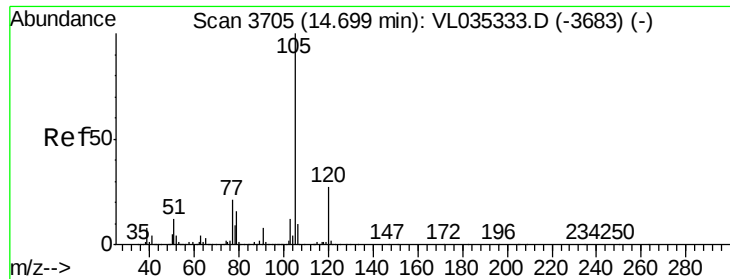
Tot Ion: 91 Resp: 154971
Ion Ratio Lower Upper
91 100
106 80.4 22.7 68.0#



#61
Styrene
Concen: 1.335 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL035355.D
Acq: 6 Aug 2020 18:31

Tgt Ion: 104 Resp: 264935
Ion Ratio Lower Upper
104 100
78 52.1 42.6 63.8
103 48.5 38.1 57.1





#62

Isopropylbenzene

Concen: 0.055 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

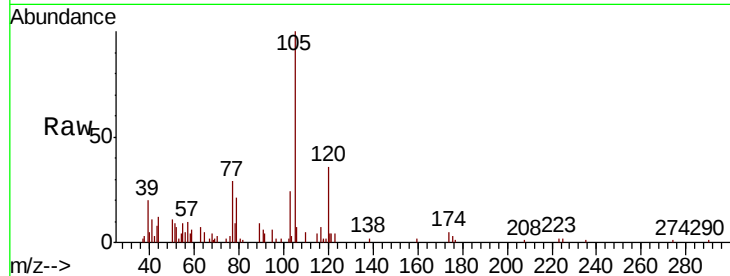
ClientSampleId :

Tot Ion: 105 Resp: 26965

Ion Ratio Lower Upper

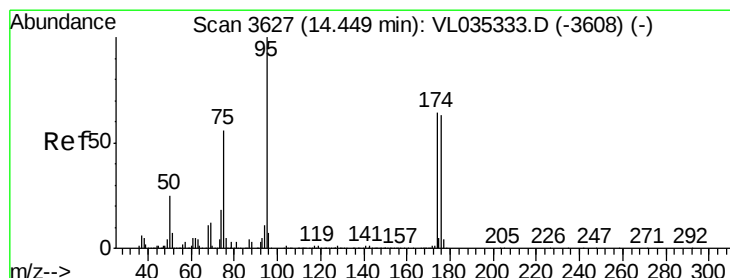
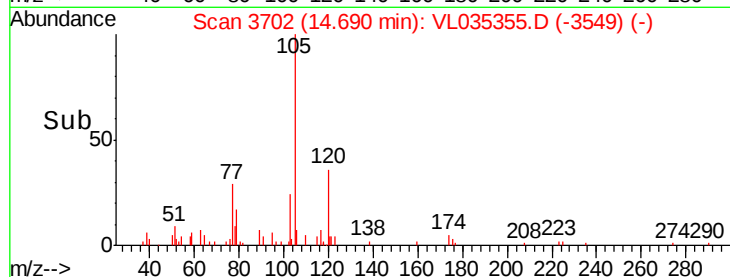
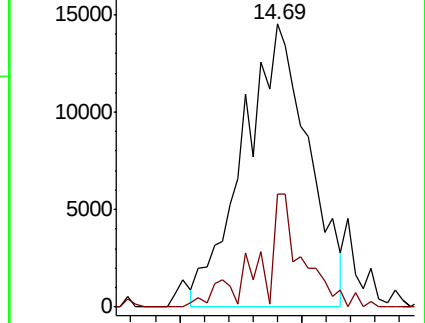
105 100

120 26.0 21.1 31.7



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: 10.079 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035355.D

Acq: 6 Aug 2020 18:31

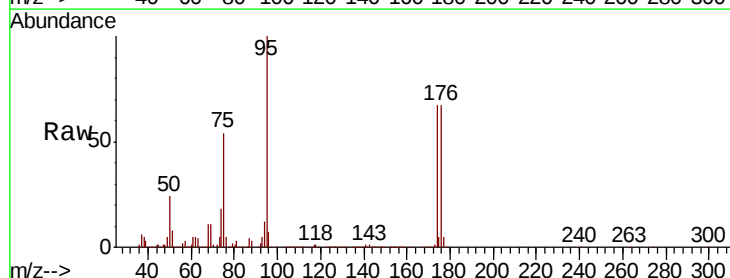
Tgt Ion: 95 Resp: 2841564

Ion Ratio Lower Upper

95 100

174 68.0 53.5 80.3

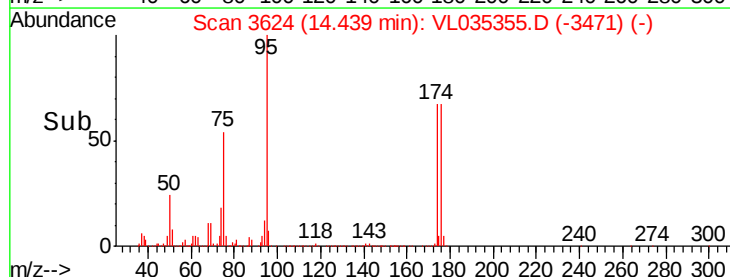
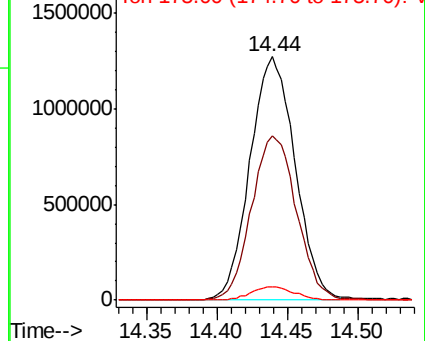
175 5.3 4.2 6.2

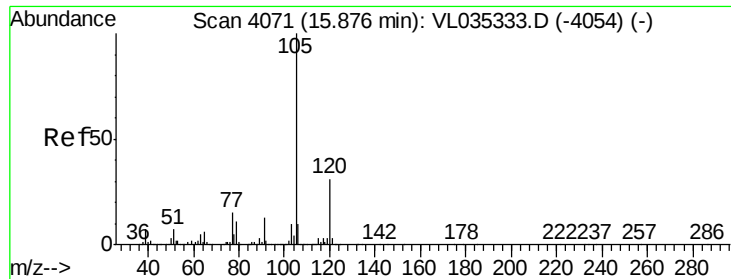


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.249 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL035355.D

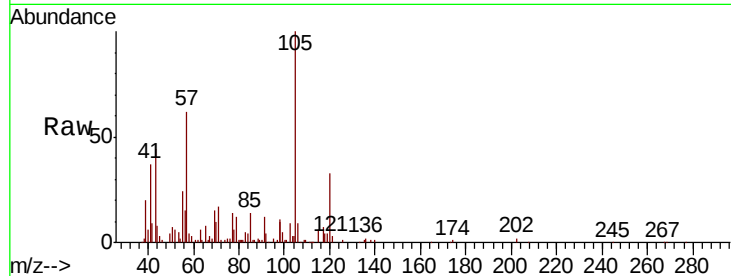
Acq: 6 Aug 2020 18:31

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:105	Resp:	92326
Ion Ratio	Lower	Upper
105	100	
120	32.1	24.0 36.0
91	22.6	10.8 16.2#
77	18.1	11.9 17.9#

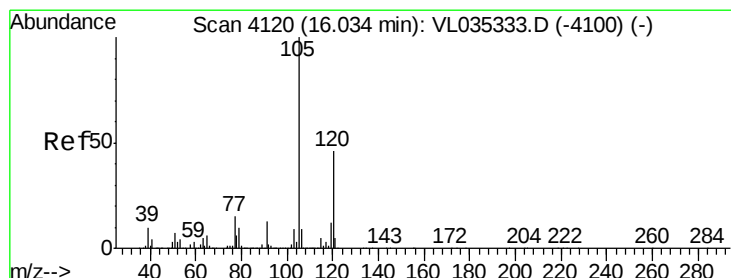
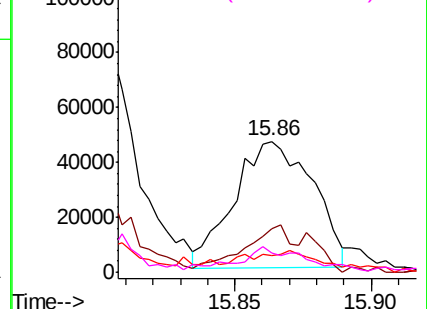
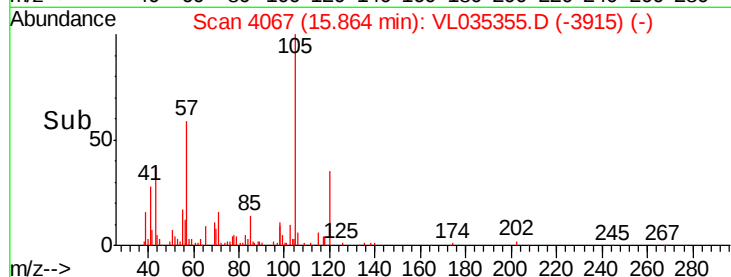


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.322 ppbv

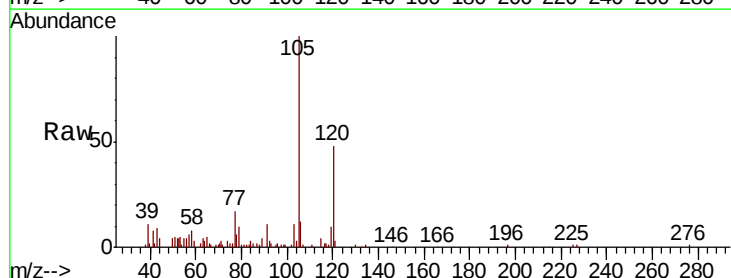
RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035355.D

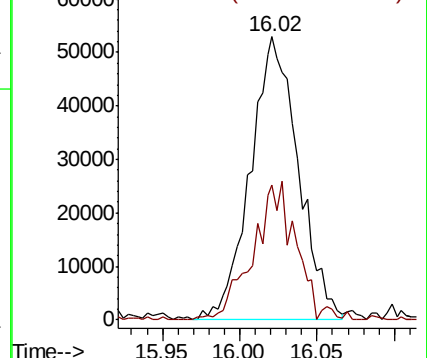
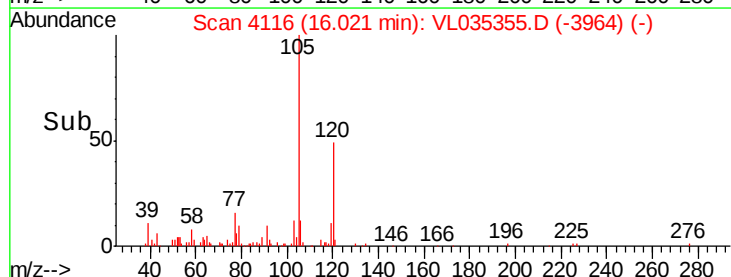
Acq: 6 Aug 2020 18:31

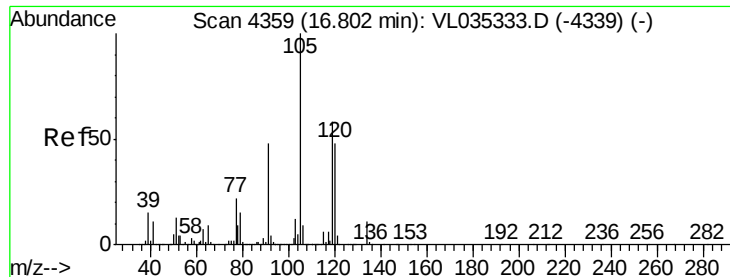
Tgt Ion:105	Resp:	114338
Ion Ratio	Lower	Upper
105	100	
120	47.7	36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

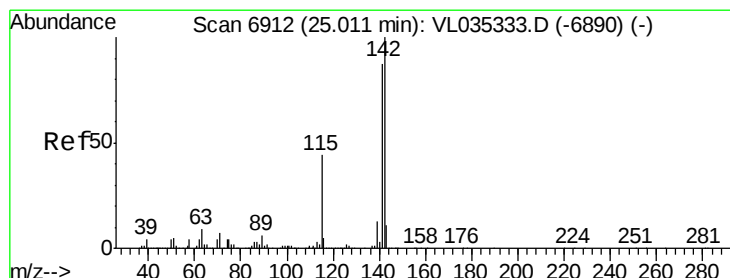
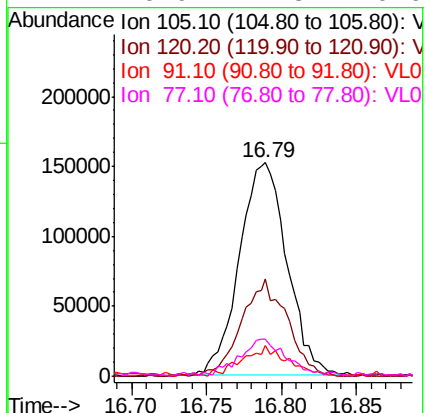
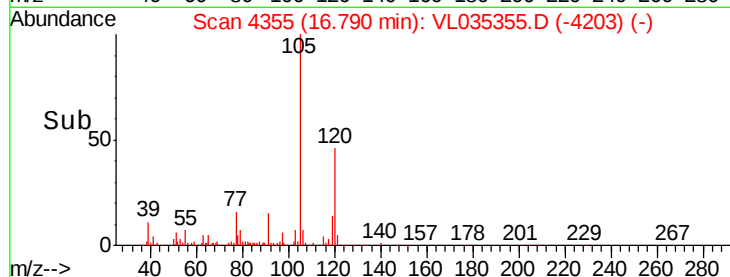
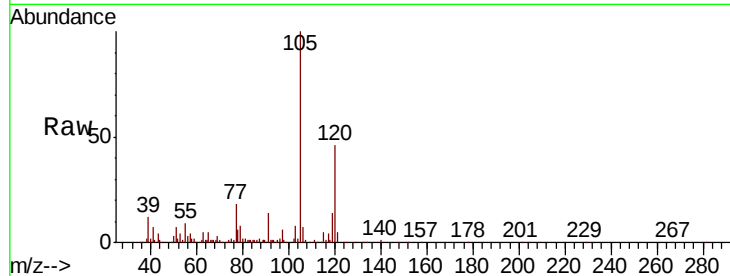




#74
 1,2,4-Trimethylbenzene
 Concen: 0.830 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	337408
Ion	Ratio	Lower	Upper
105	100		
120	45.5	38.5	57.7
91	14.1	39.0	58.6#
77	16.9	17.8	26.6#



#80
 Naphthalene, 2-methyl-
 Concen: 0.067 ppbv
 RT: 25.00 min Scan# 6910
 Delta R.T. -0.01 min
 Lab File: VL035355.D
 Acq: 6 Aug 2020 18:31

Tgt Ion:	142	Resp:	4793
Ion	Ratio	Lower	Upper
142	100		
141	9.1	69.0	103.6#
115	45.9	35.5	53.3

