

Data File : VL035578.D
Acq On : 9 Sep 2020 8:34
Operator : SY/AP
Sample : L3898-11
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Quant Time: Sep 09 10:16:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1151680	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4778738	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4785074	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.41 95 3612722 10.63 ppbv -0.04
Spiked Amount 10.000 Range 65 - 135 Recovery = 106.30%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.03	85	43049	0.216 ppbv	98
3) Chlorodifluoromethane	2.94	51	183811	1.443 ppbv #	63
4) Chloromethane	3.12	50	28700	0.421 ppbv	94
7) Chloroethane	3.54	64	2159	0.073 ppbv #	80
9) Propene	2.99	41	332756	6.776 ppbv	93
10) Heptane	8.11	43	339392	2.573 ppbv	100
11) Trichlorofluoromethane	3.93	101	90552	0.311 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	15880	0.072 ppbv	99
13) Ethanol	3.60	45	3230345	265.324 ppbv	99
15) Acetone	3.83	43	3907120	30.760 ppbv	98
16) 1,3-Butadiene	3.29	39	228724	4.837 ppbv #	21
17) tert-Butyl alcohol	4.29	59	102849	0.665 ppbv #	72
19) Isopropyl Alcohol	3.96	45	648158	8.554 ppbv #	1
20) Methylene Chloride	4.33	84	197395	2.087 ppbv	96
21) Allyl Chloride	4.38	41	6949	0.117 ppbv #	13
23) Vinyl Acetate	5.04	43	234978	1.441 ppbv #	14
25) Ethyl Acetate	5.67	43	344533	1.535 ppbv #	81
26) Hexane	5.67	57	520790	4.096 ppbv #	53
27) Carbon Disulfide	4.54	76	102148	0.560 ppbv #	84
29) Chloroform	5.74	83	108253	0.418 ppbv	95
30) Cyclohexane	7.12	84	141923	1.042 ppbv	95
34) 2-Butanone	5.22	43	4368896	30.806 ppbv	94
35) Carbon Tetrachloride	7.01	117	13653	0.057 ppbv	92
36) Benzene	6.88	78	512719	1.657 ppbv	96
37) 1,2-Dichloroethane	6.29	62	43951	0.298 ppbv #	92
38) Trichloroethene	7.83	130	21605	0.120 ppbv	97
39) 1,2-Dichloropropane	7.17	63	904482	8.656 ppbv #	32
40) 1,4-Dioxane	7.84	88	3430	0.066 ppbv #	1
41) Tetrahydrofuran	6.04	42	16281	0.216 ppbv #	76
42) Bromodichloromethane	7.78	83	32351	0.136 ppbv #	36
43) Methyl Methacrylate	8.01	69	129643	1.084 ppbv	93
44) 2,2,4-Trimethylpentane	7.86	57	902527	2.217 ppbv #	86
50) 4-Methyl-2-Pentanone	8.74	43	115276	0.561 ppbv	98
51) 2-Hexanone	10.10	43	84689	0.503 ppbv #	20
52) Tetrachloroethene	11.22	164	236377	1.308 ppbv	98
53) Toluene	9.80	91	3071415	7.896 ppbv	100
58) Ethyl Benzene	12.71	91	1030880	2.089 ppbv	96
59) m/p-Xylene	12.96	91	2750806	6.672 ppbv	97
60) o-Xylene	13.69	91	1093578	2.633 ppbv	97
61) Styrene	13.52	104	111569	0.351 ppbv	99
62) Isopropylbenzene	14.67	105	109710	0.164 ppbv	95

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Instrument :
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ClientSampleId :
SS-2

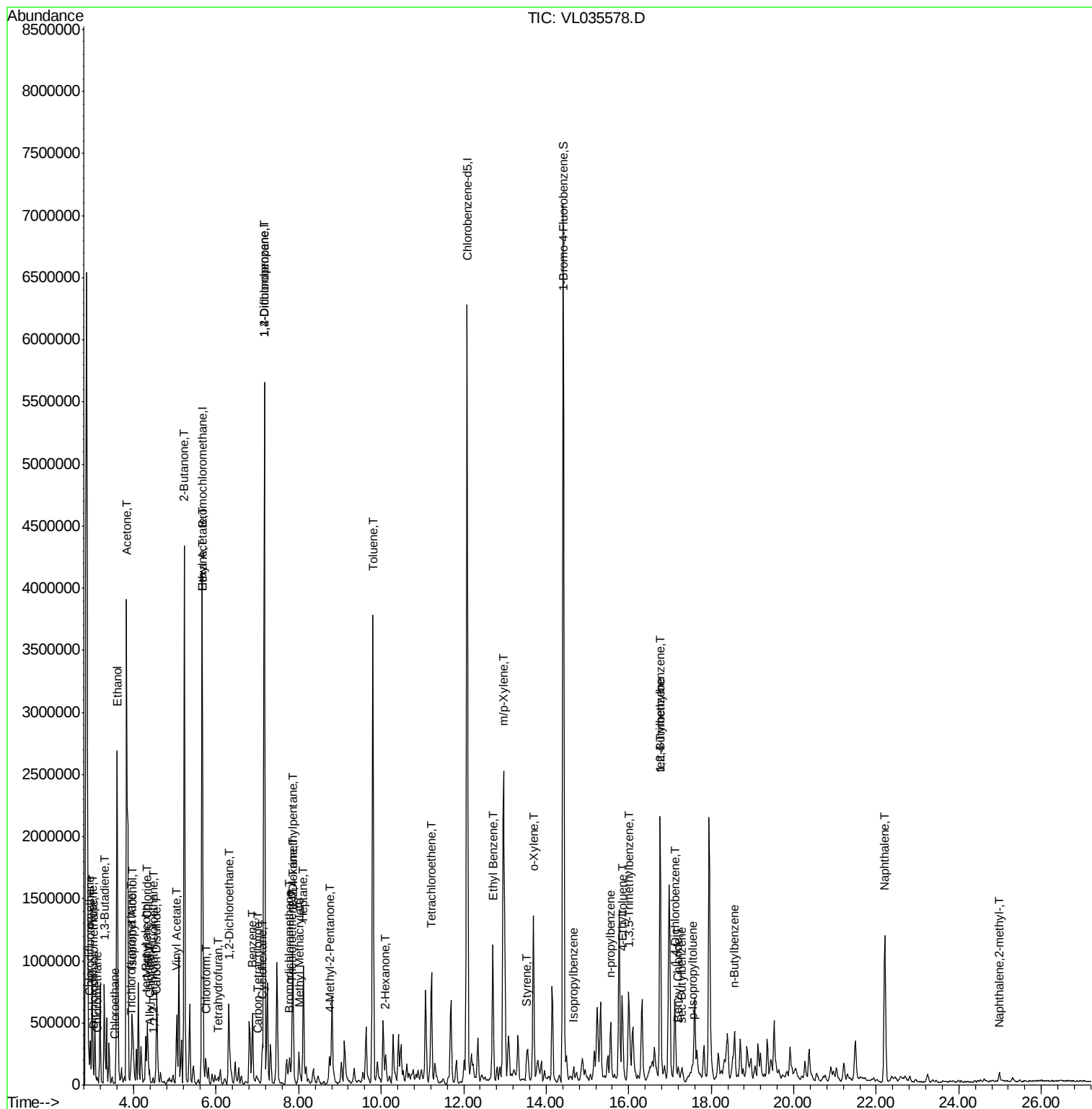
Quant Time: Sep 09 10:16:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
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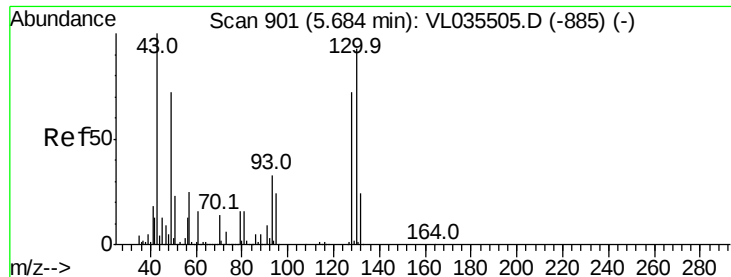
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.56	120	110009	0.540	ppbv	69
65) tert-Butylbenzene	16.76	119	207167	0.334	ppbv #	76
66) Benzyl Chloride	17.21	91	17721	0.115	ppbv #	63
67) sec-Butylbenzene	17.30	105	53349	0.065	ppbv	91
69) p-Isopropyltoluene	17.55	119	61210	0.084	ppbv	97
70) n-Butylbenzene	18.55	91	87693	0.126	ppbv #	79
72) 4-Ethyltoluene	15.84	105	555037	1.051	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	509074	1.043	ppbv	95
74) 1,2,4-Trimethylbenzene	16.76	105	1677343	3.128	ppbv #	72
76) 1,4-Dichlorobenzene	17.14	146	47508	0.121	ppbv #	79
79) Naphthalene	22.21	128	1712890	2.879	ppbv	95
80) Naphthalene,2-methyl-	24.99	142	46841	0.231	ppbv	98

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

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ClientSampleId :

SS-2

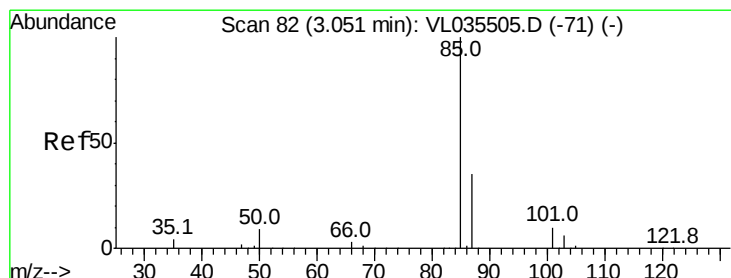
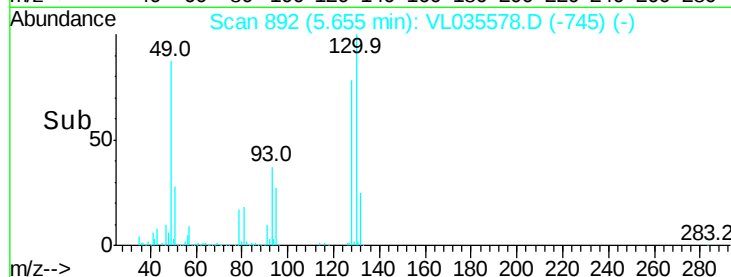
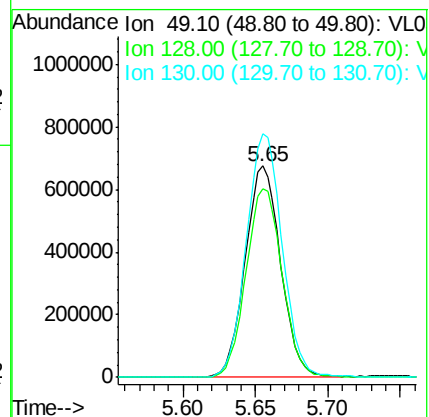
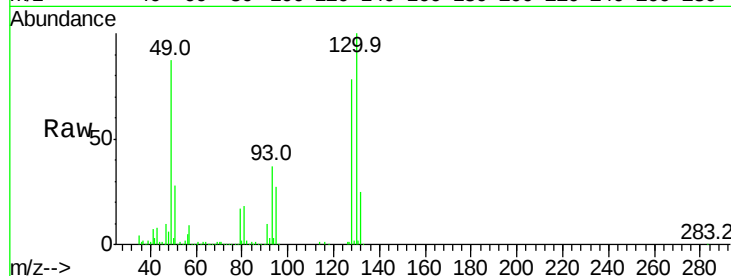
Tgt Ion: 49 Resp: 1151680

Ion Ratio Lower Upper

49 100

128 91.4 50.0 150.1

130 116.8 64.4 193.2



#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL035578.D

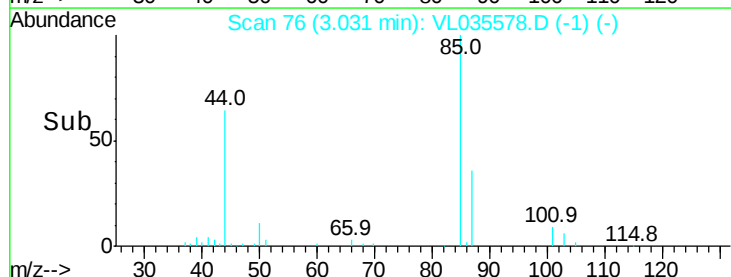
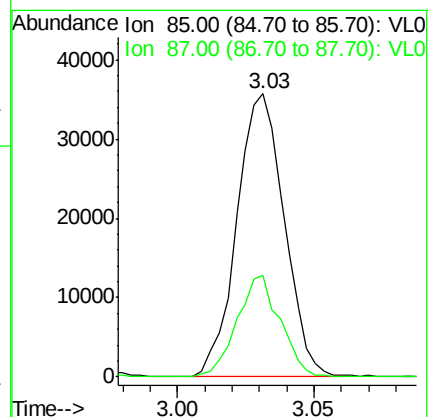
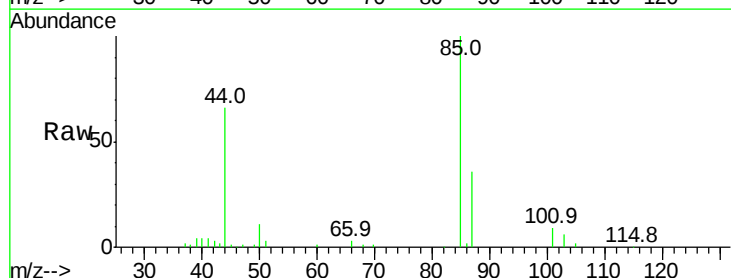
Acq: 9 Sep 2020 8:34

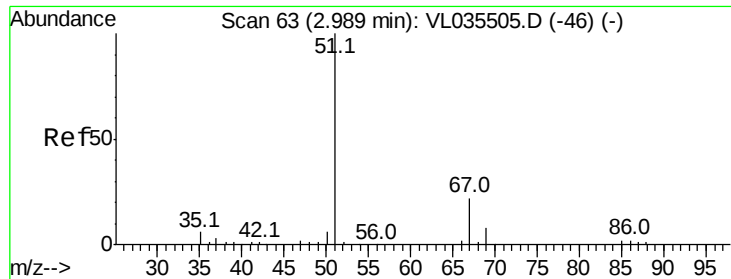
Tgt Ion: 85 Resp: 43049

Ion Ratio Lower Upper

85 100

87 36.0 28.0 42.0





#3

Chlorodifluoromethane

Concen: 1.443 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

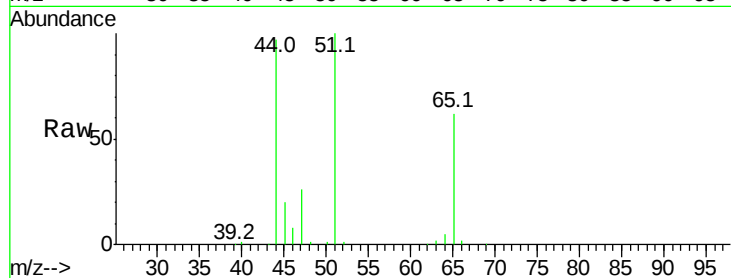
SS-2

Tgt Ion: 51 Resp: 183811

Ion Ratio Lower Upper

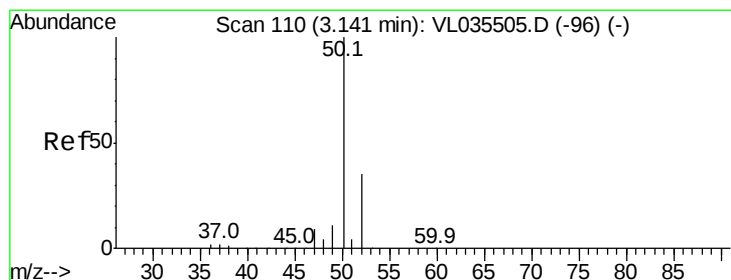
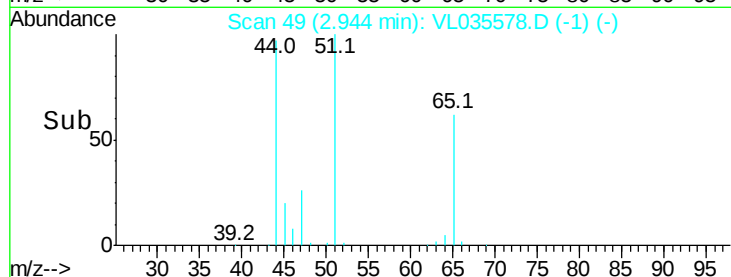
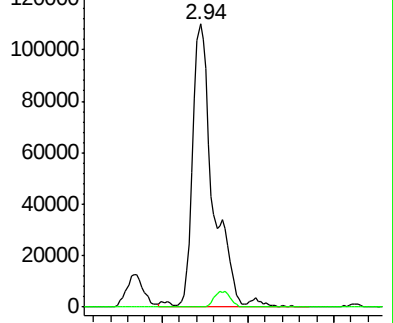
51 100

67 4.5 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: 0.421 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL035578.D

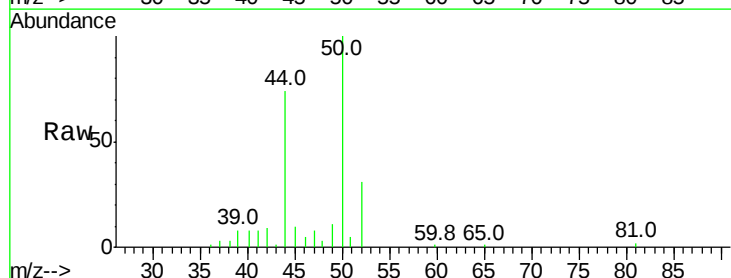
Acq: 9 Sep 2020 8:34

Tgt Ion: 50 Resp: 28700

Ion Ratio Lower Upper

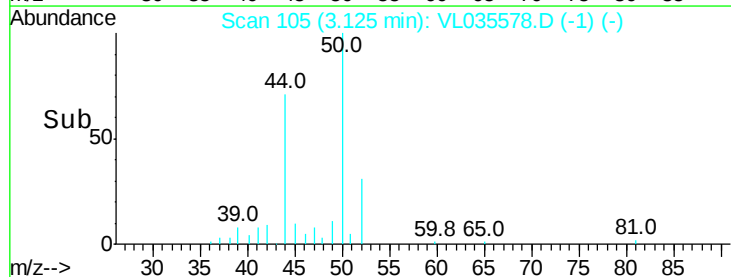
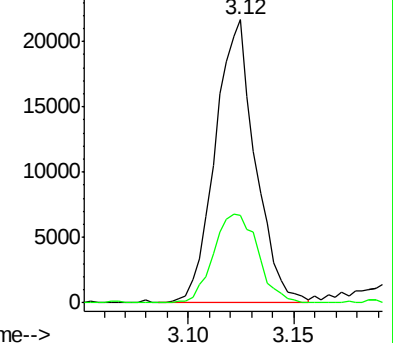
50 100

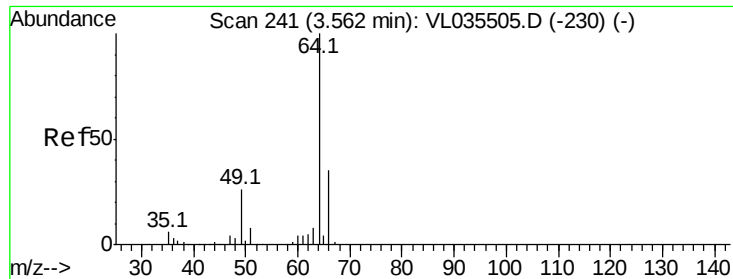
52 31.1 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.073 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

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ClientSampleId :

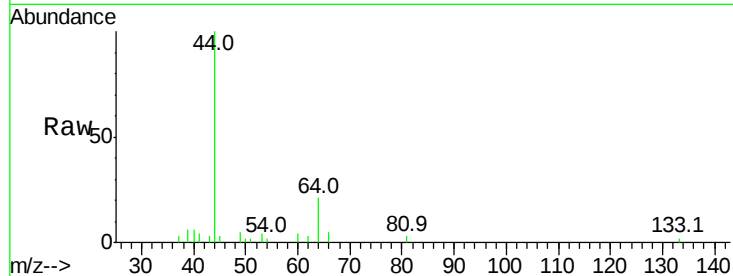
SS-2

Tgt Ion: 64 Resp: 2159

Ion Ratio Lower Upper

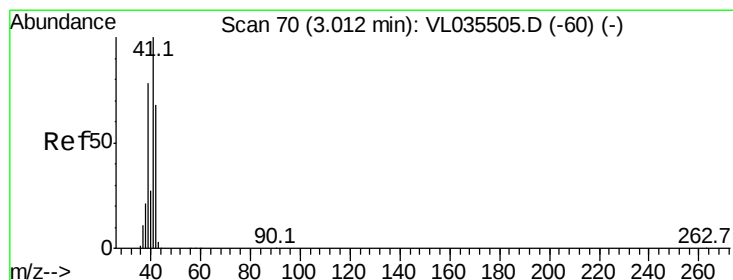
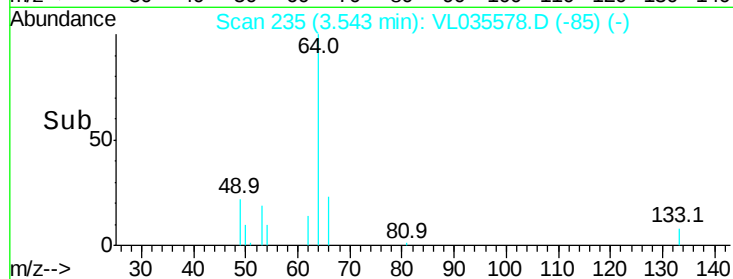
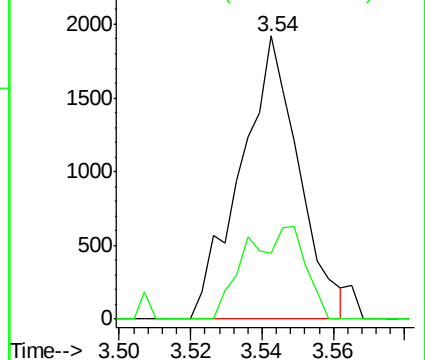
64 100

66 23.1 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 6.776 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035578.D

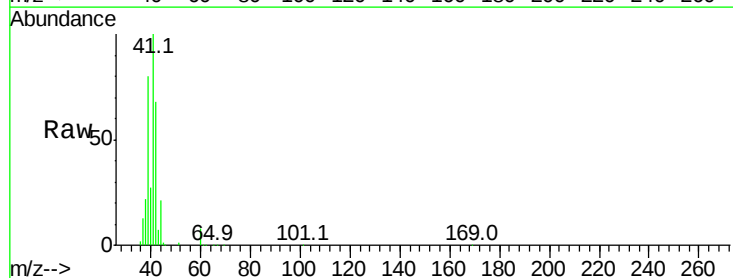
Acq: 9 Sep 2020 8:34

Tgt Ion: 41 Resp: 332756

Ion Ratio Lower Upper

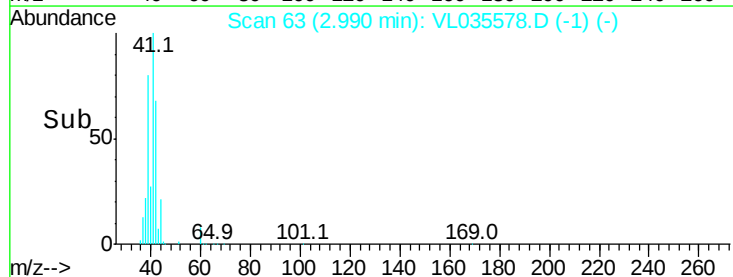
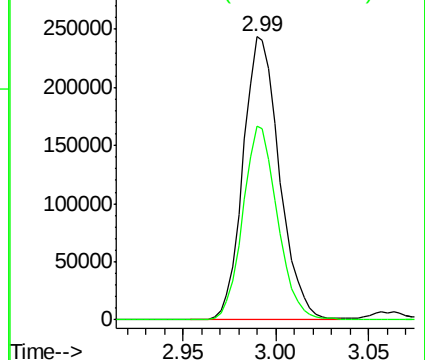
41 100

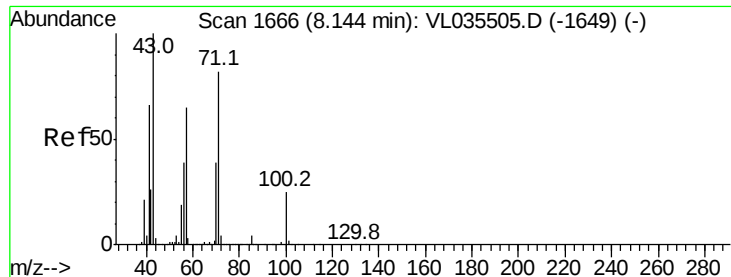
42 65.0 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

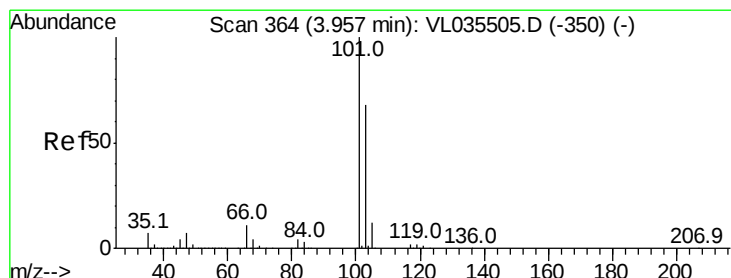
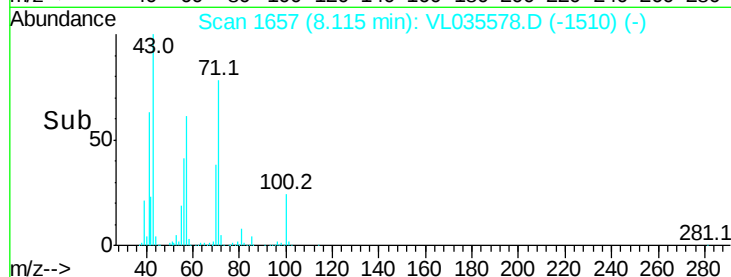
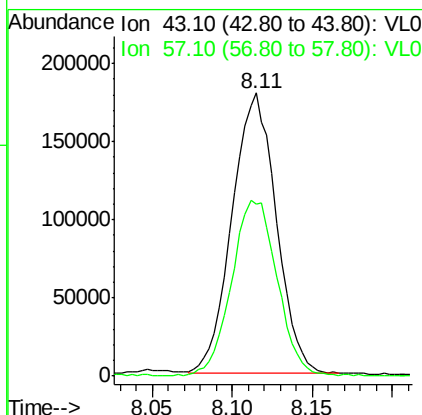
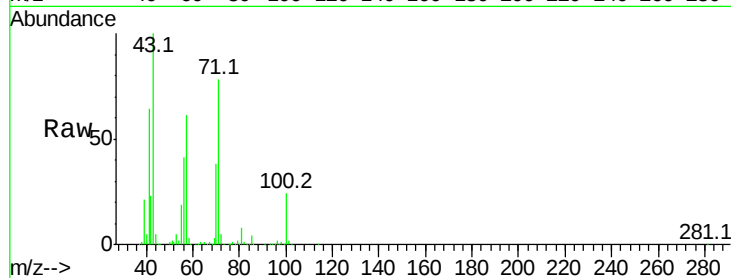




#10
 Heptane
 Concen: 2.573 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

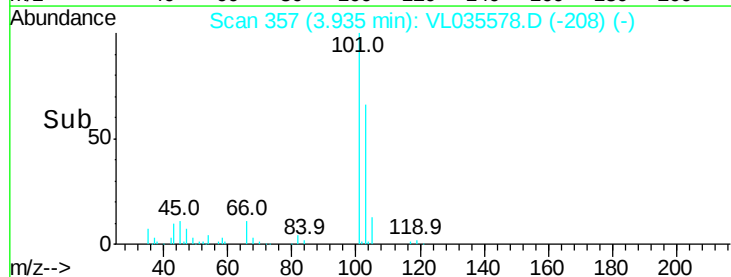
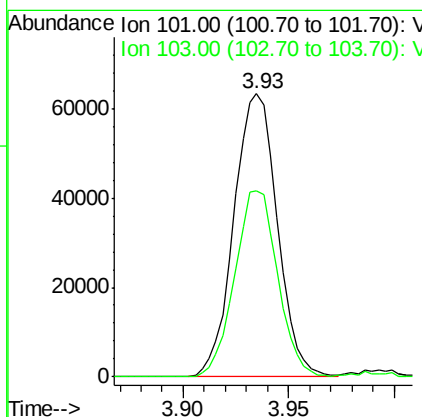
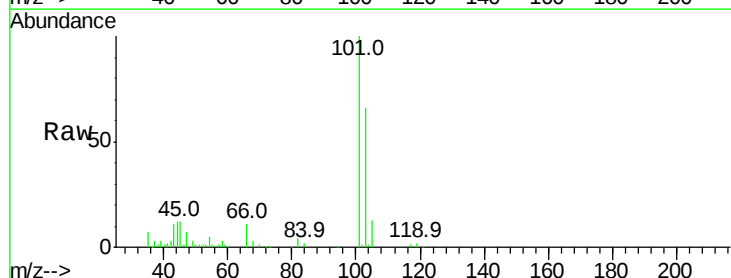
Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

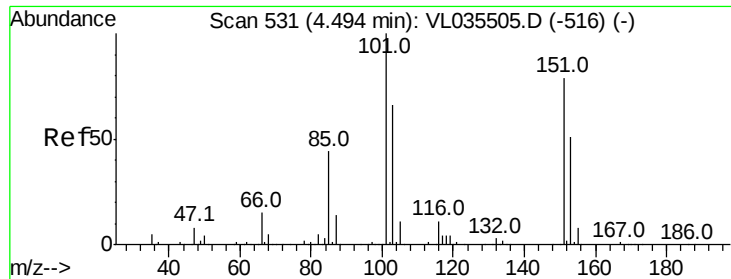
Tgt Ion: 43 Resp: 339392
 Ion Ratio Lower Upper
 43 100
 57 64.3 51.4 77.0



#11
 Trichlorofluoromethane
 Concen: 0.311 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 101 Resp: 90552
 Ion Ratio Lower Upper
 101 100
 103 65.6 54.5 81.7

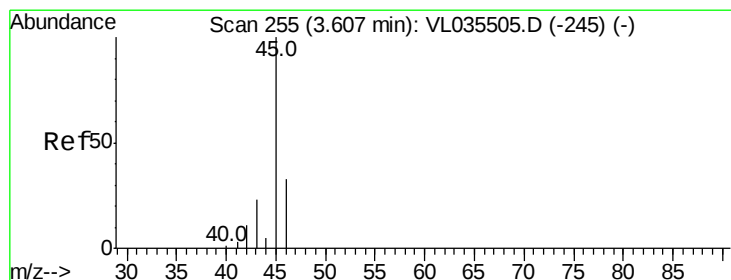
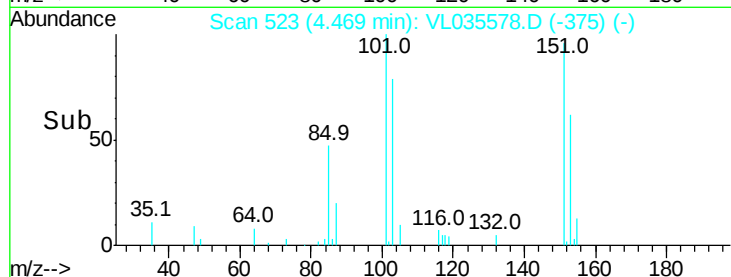
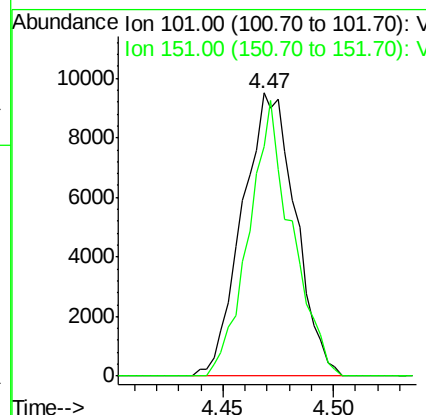
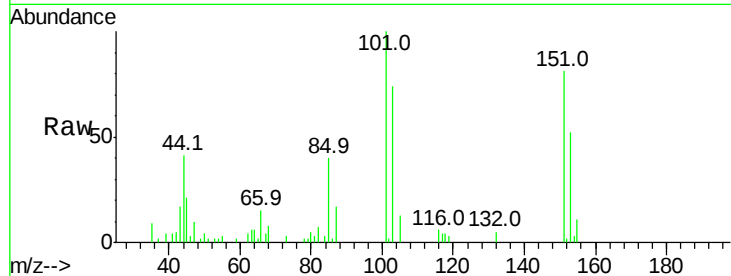




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.072 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

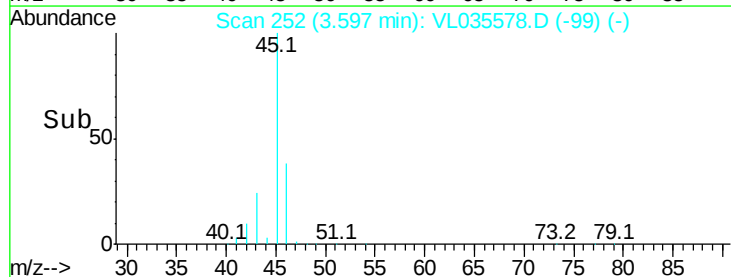
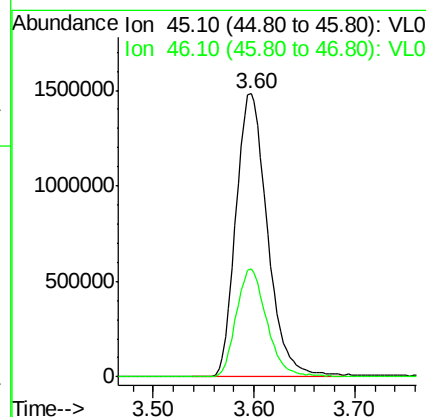
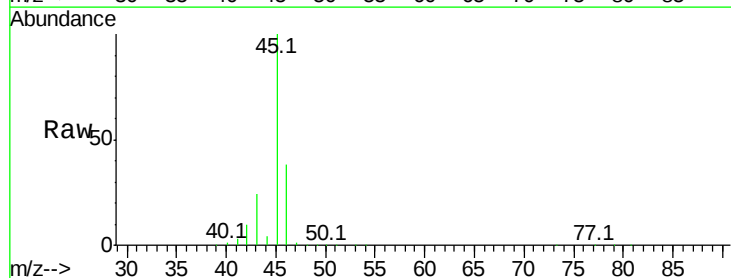
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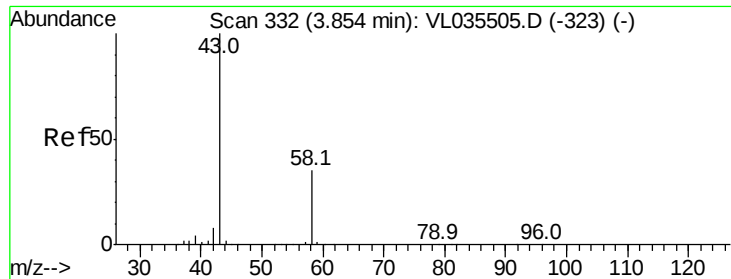
Tgt Ion: 101 Resp: 15880
 Ion Ratio Lower Upper
 101 100
 151 78.9 63.5 95.3



#13
 Ethanol
 Concen: 265.324 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 45 Resp: 3230345
 Ion Ratio Lower Upper
 45 100
 46 37.2 15.2 60.6





#15

Acetone

Concen: 30.760 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

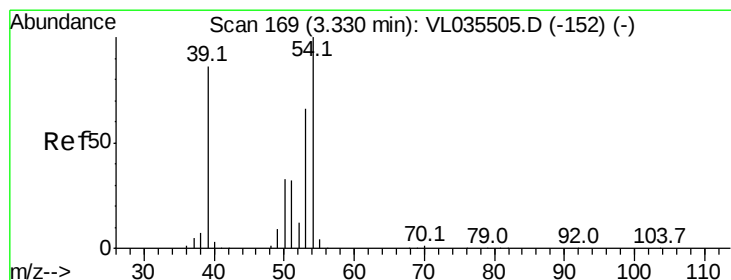
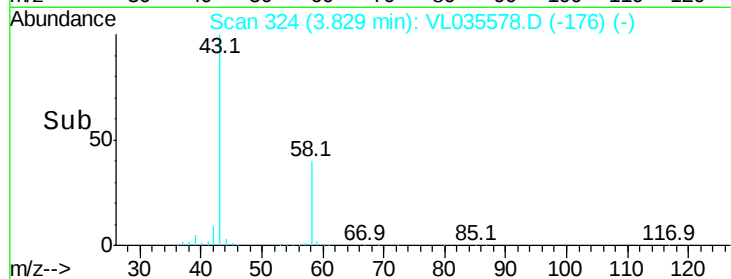
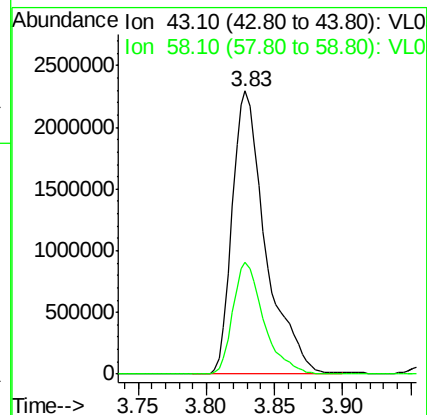
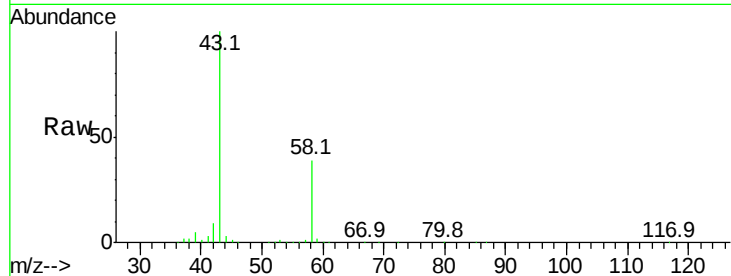
SS-2

Tgt Ion: 43 Resp: 3907120

Ion Ratio Lower Upper

43 100

58 36.4 28.4 42.6



#16

1,3-Butadiene

Concen: 4.837 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.04 min

Lab File: VL035578.D

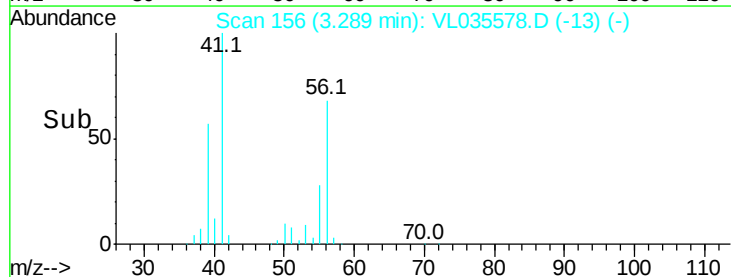
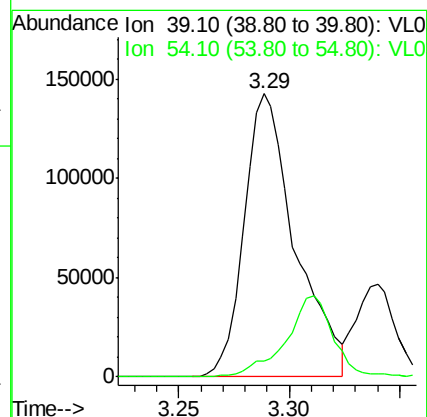
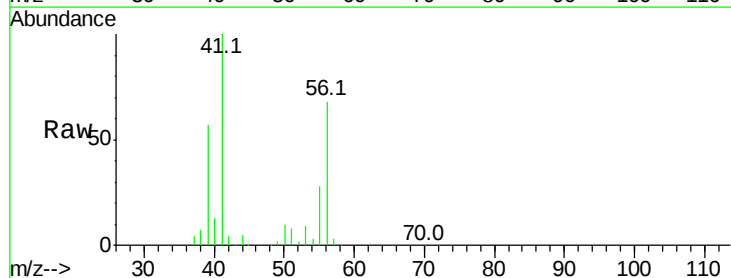
Acq: 9 Sep 2020 8:34

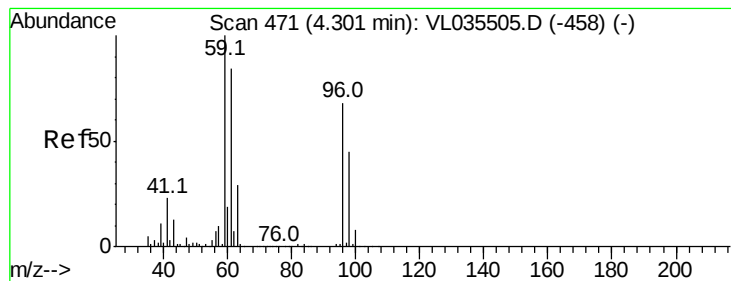
Tgt Ion: 39 Resp: 228724

Ion Ratio Lower Upper

39 100

54 26.8 88.4 132.6#





#17

tert-Butyl alcohol

Concen: 0.665 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

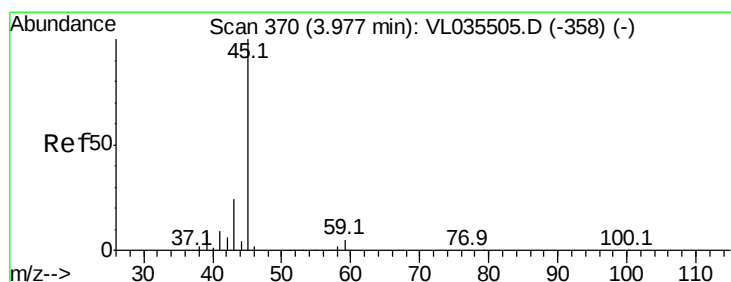
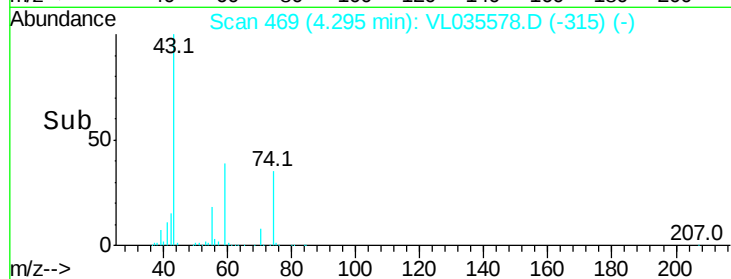
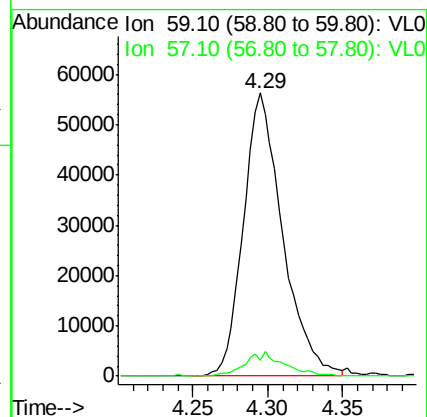
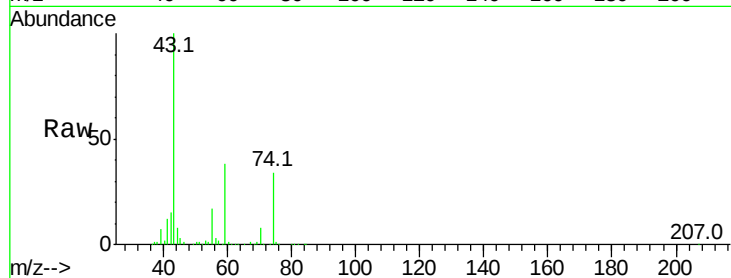
SS-2

Tgt Ion: 59 Resp: 102849

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 8.554 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL035578.D

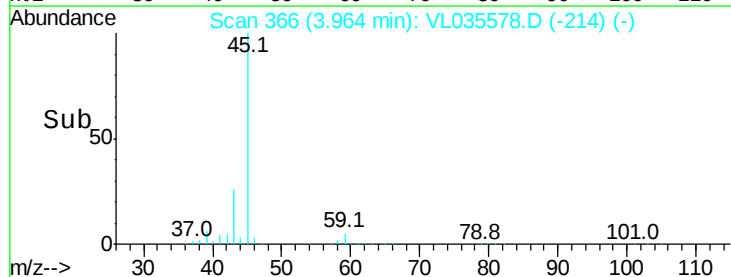
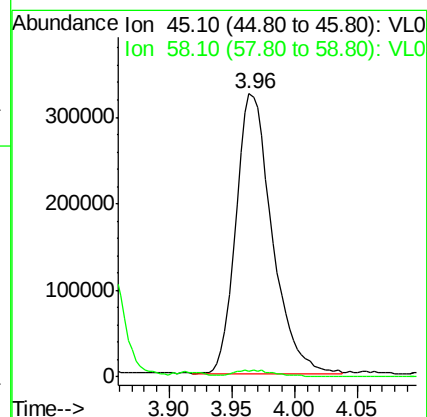
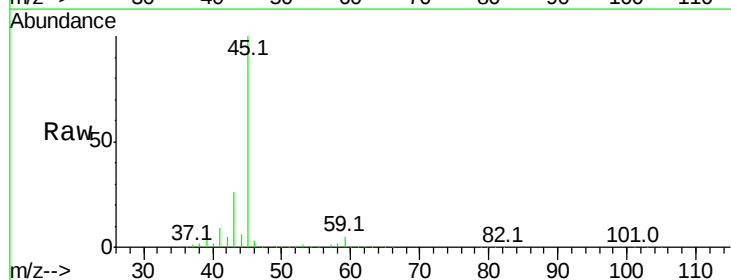
Acq: 9 Sep 2020 8:34

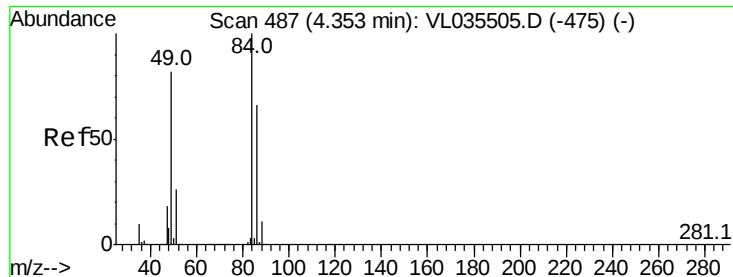
Tgt Ion: 45 Resp: 648158

Ion Ratio Lower Upper

45 100

58 219.8 2.0 3.0#





#20

Methylene Chloride

Concen: 2.087 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

Tgt Ion: 84 Resp: 197395

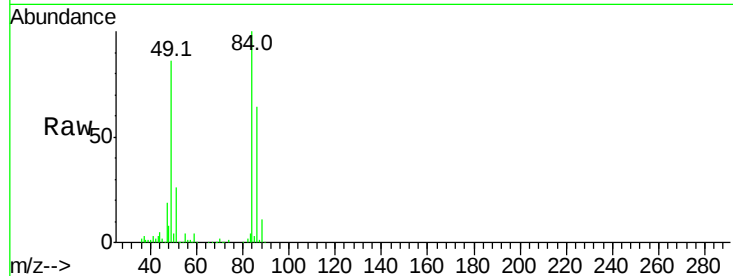
Ion Ratio Lower Upper

84 100

49 86.2 65.4 98.0

51 25.2 21.5 32.3

86 64.4 52.9 79.3

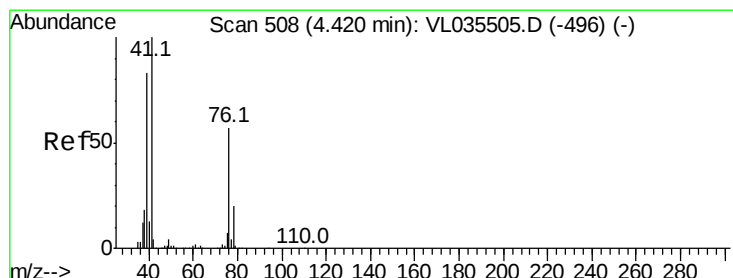
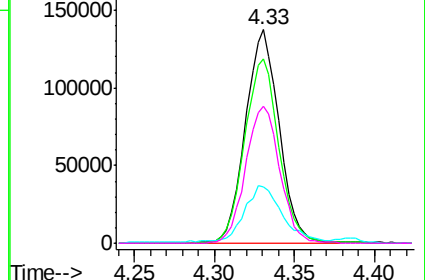
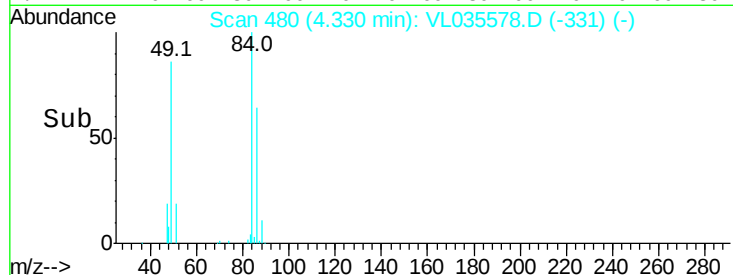


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.117 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

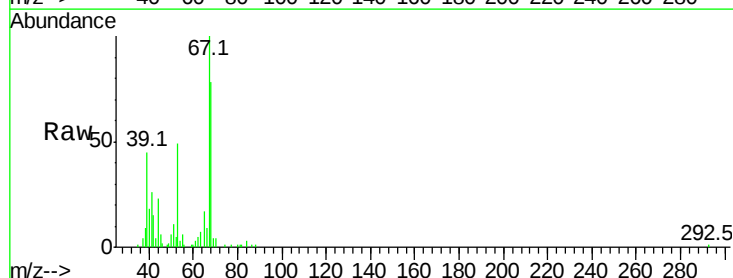
Tgt Ion: 41 Resp: 6949

Ion Ratio Lower Upper

41 100

76 0.0 46.2 69.2#

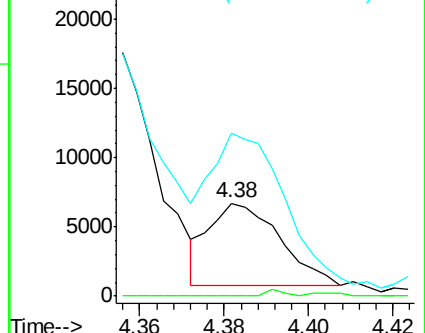
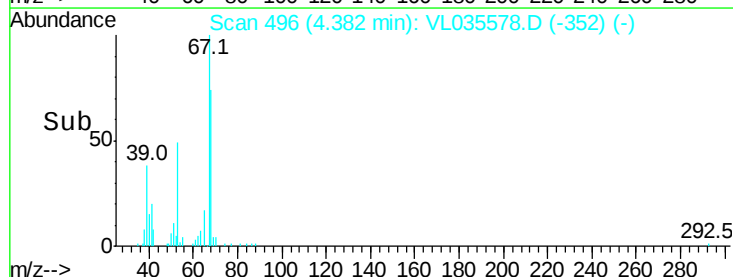
39 0.0 67.8 101.6#

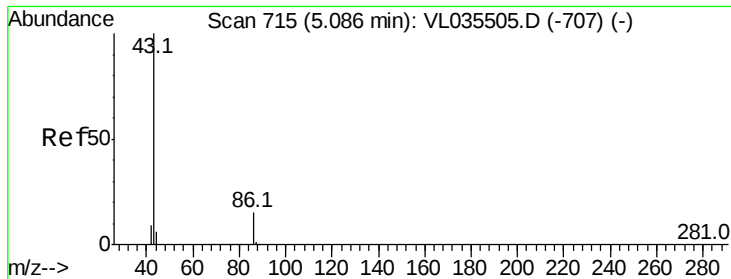


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 1.441 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

Tgt Ion: 43 Resp: 234978

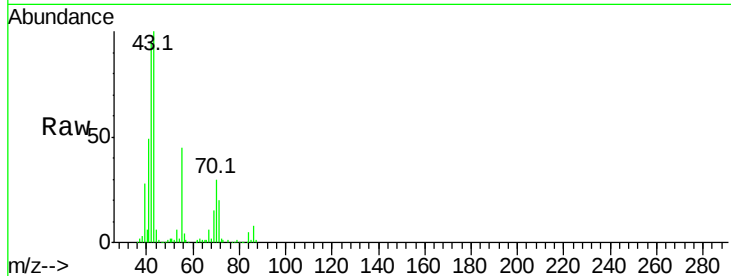
Ion Ratio Lower Upper

43 100

86 8.5 10.6 16.0#

42 95.1 7.5 11.3#

44 2.6 4.4 6.6#



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

400000

300000

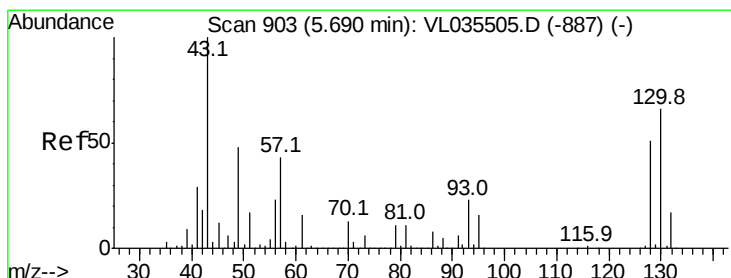
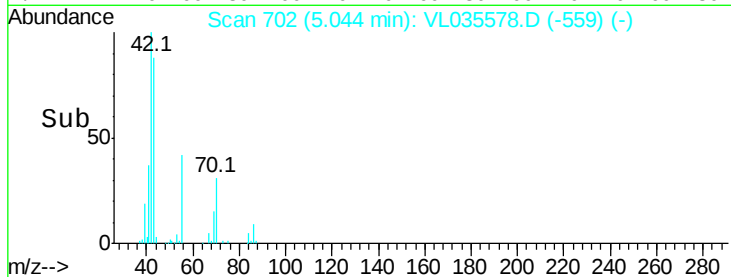
200000

100000

0

5.00 5.05

Time-->



#25

Ethyl Acetate

Concen: 1.535 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion: 43 Resp: 344533

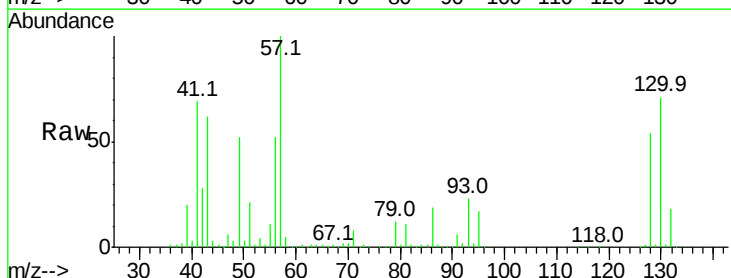
Ion Ratio Lower Upper

43 100

45 5.5 8.4 12.6#

61 3.6 10.6 16.0#

70 4.9 9.4 14.2#



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

300000

250000

200000

150000

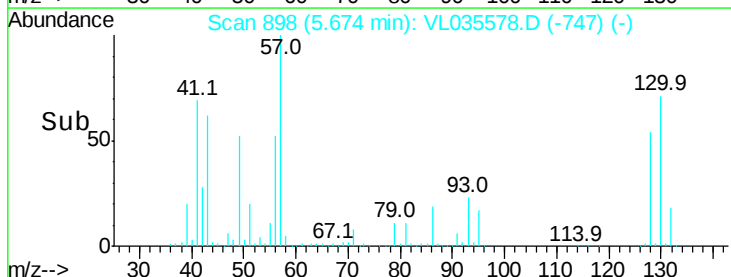
100000

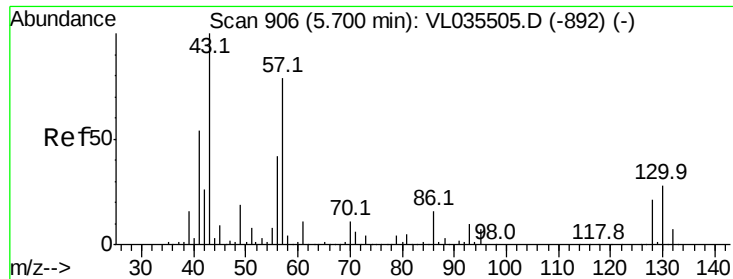
50000

0

5.60 5.65 5.70 5.75

Time-->

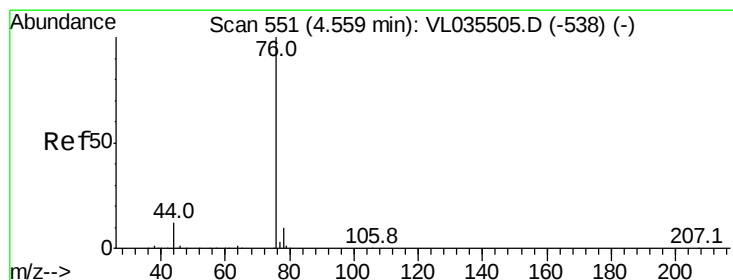
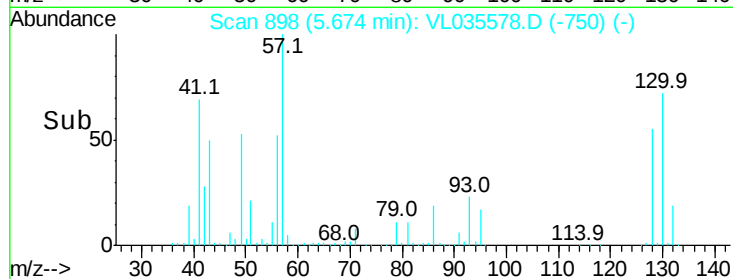
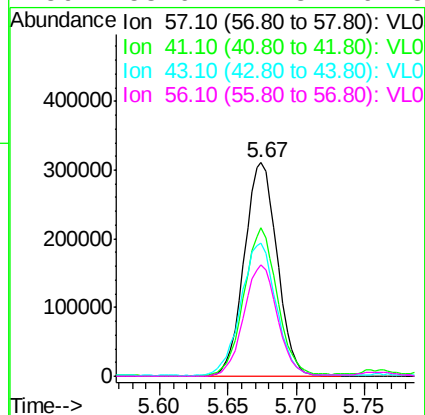
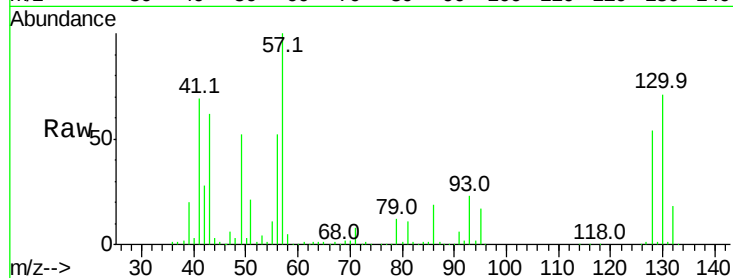




#26
Hexane
Concen: 4.096 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

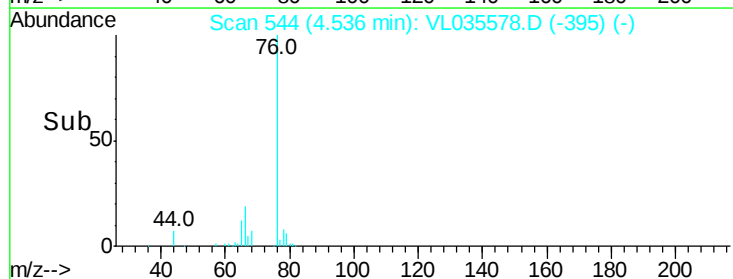
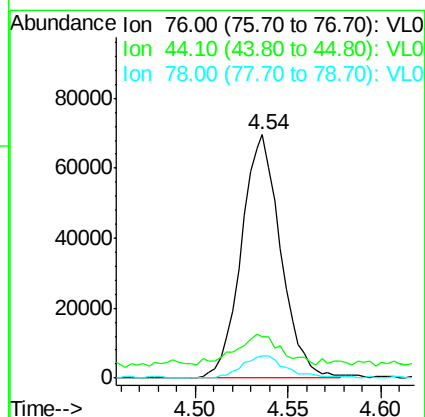
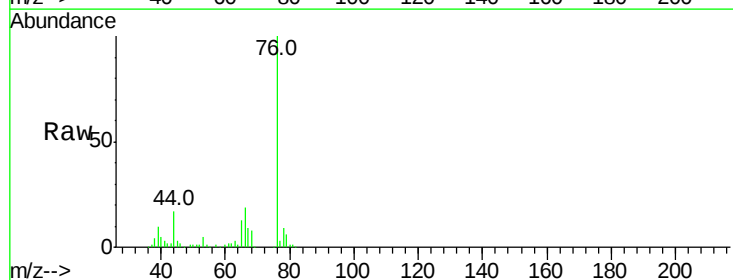
Instrument :
MSVOA_L
ClientSampleId :
SS-2

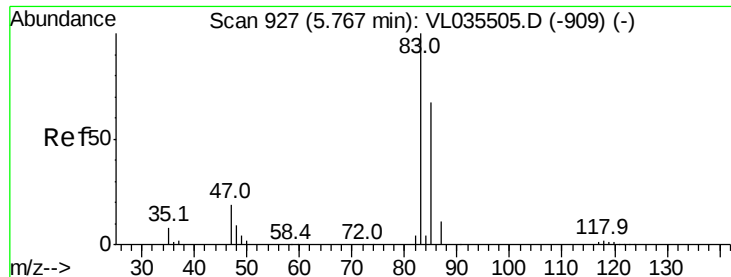
Tgt Ion: 57 Resp: 520790
Ion Ratio Lower Upper
57 100
41 70.5 55.9 83.9
43 66.2 141.8 212.8#
56 53.6 41.8 62.8



#27
Carbon Disulfide
Concen: 0.560 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 76 Resp: 102148
Ion Ratio Lower Upper
76 100
44 21.9 9.3 13.9#
78 10.7 7.8 11.6

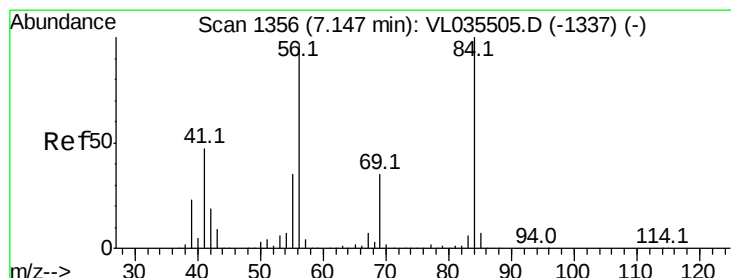
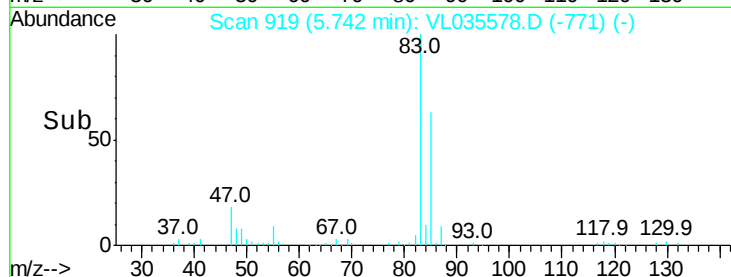
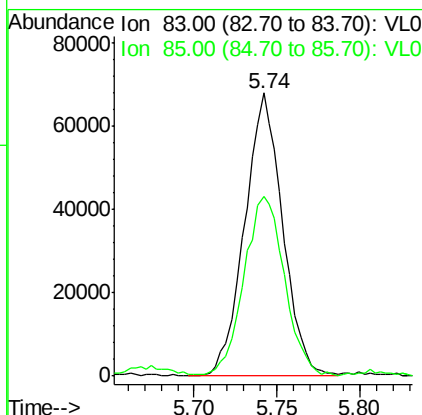
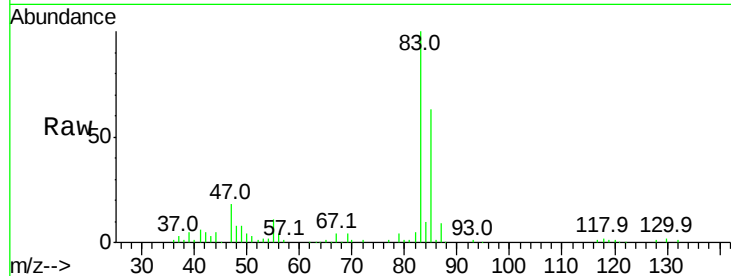




#29
Chloroform
Concen: 0.418 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

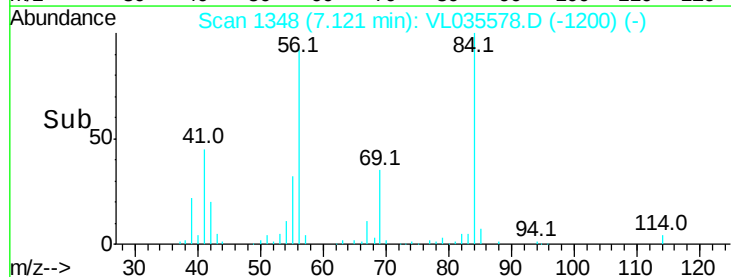
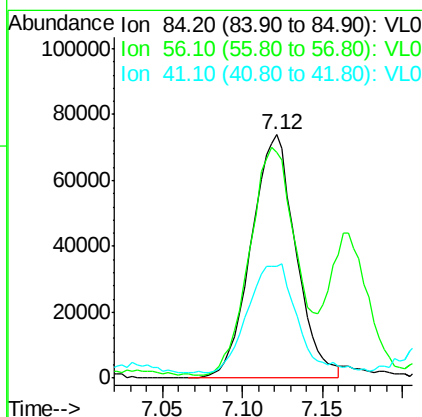
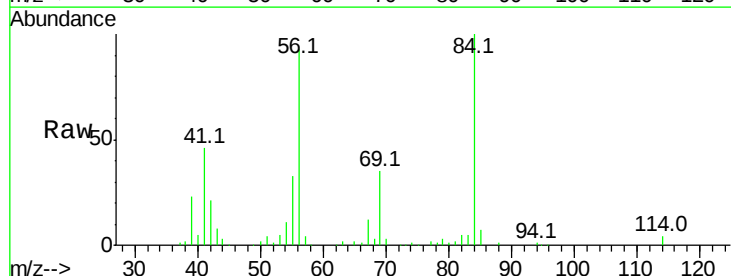
Instrument :
MSVOA_L
ClientSampleId :
SS-2

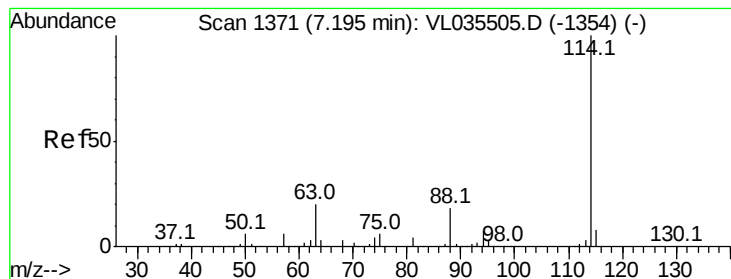
Tgt Ion: 83 Resp: 108253
Ion Ratio Lower Upper
83 100
85 63.1 53.9 80.9



#30
Cyclohexane
Concen: 1.042 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 84 Resp: 141923
Ion Ratio Lower Upper
84 100
56 94.6 80.1 120.1
41 49.6 38.1 57.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

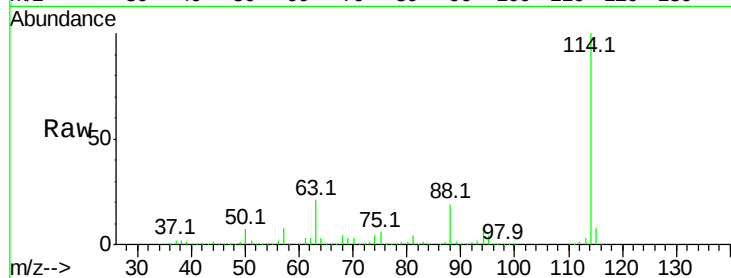
Tgt Ion:114 Resp: 4778738

Ion Ratio Lower Upper

114 100

63 19.1 14.7 22.1

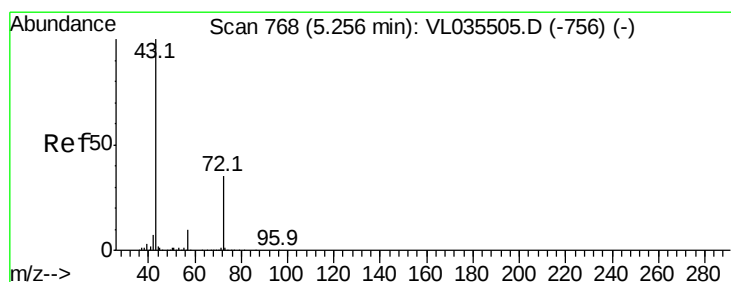
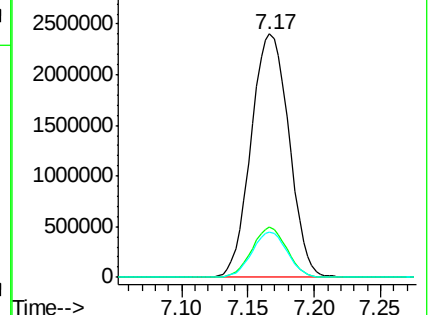
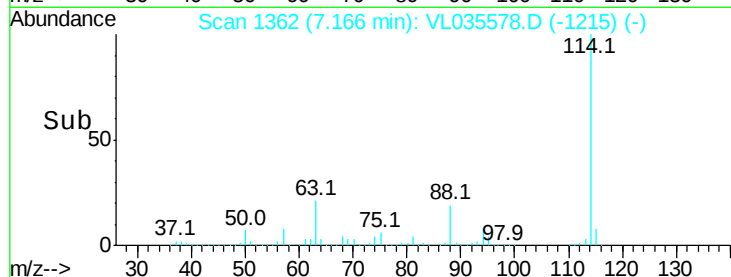
88 17.3 13.4 20.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 30.806 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.03 min

Lab File: VL035578.D

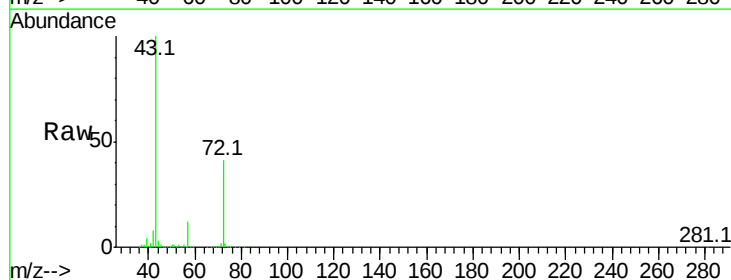
Acq: 9 Sep 2020 8:34

Tgt Ion: 43 Resp: 4368896

Ion Ratio Lower Upper

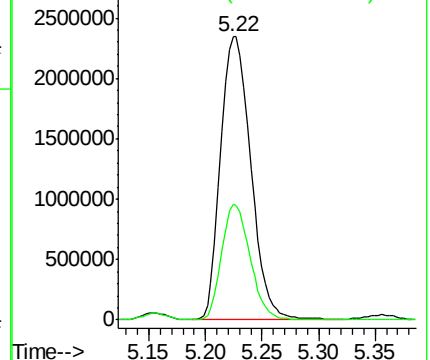
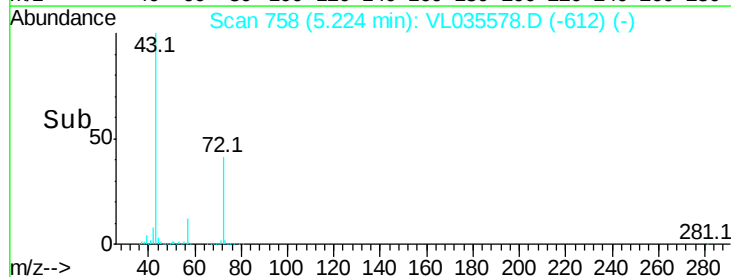
43 100

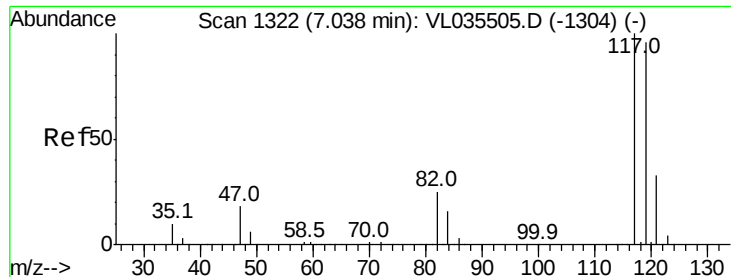
72 38.3 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.057 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

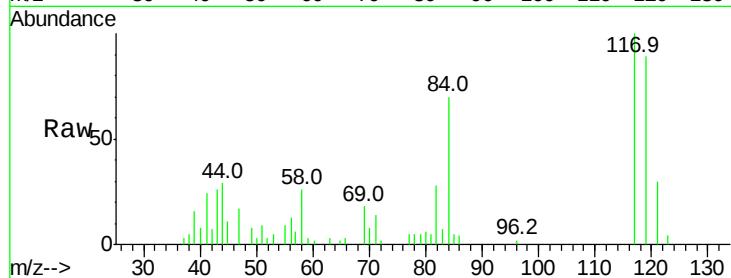
Tgt Ion:117 Resp: 13653

Ion Ratio Lower Upper

117 100

119 88.5 77.2 115.8

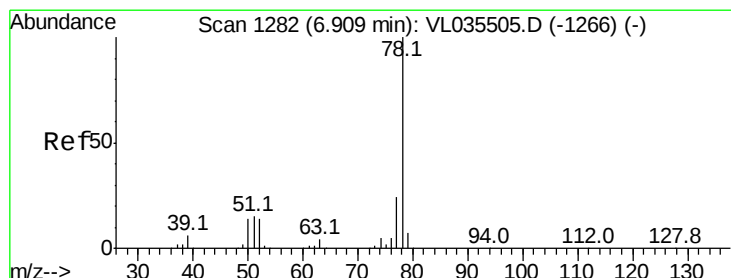
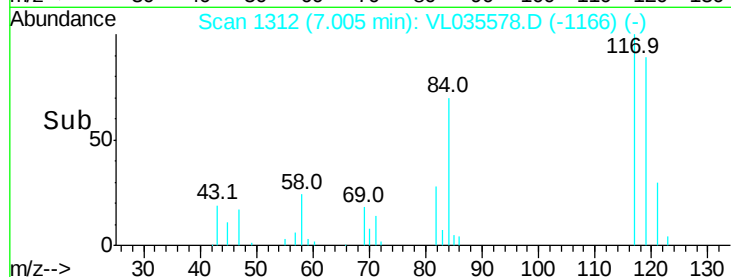
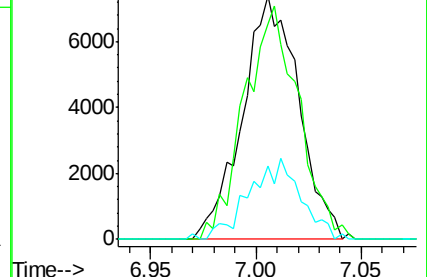
121 28.1 26.1 39.1



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: 1.657 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

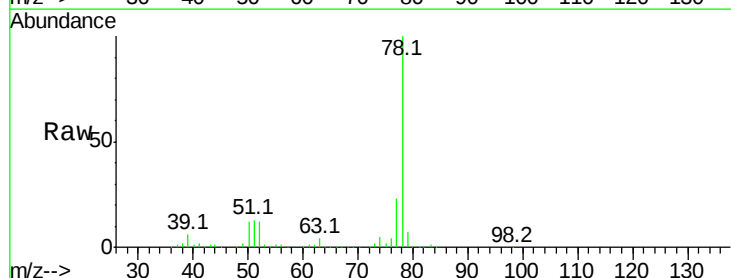
Tgt Ion: 78 Resp: 512719

Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

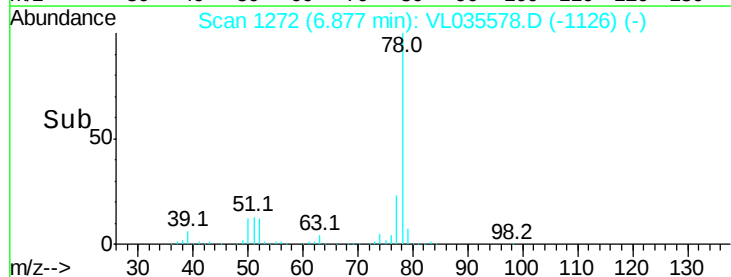
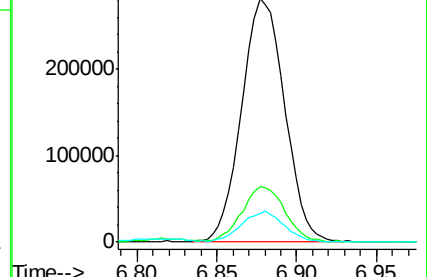
50 11.6 11.0 16.6

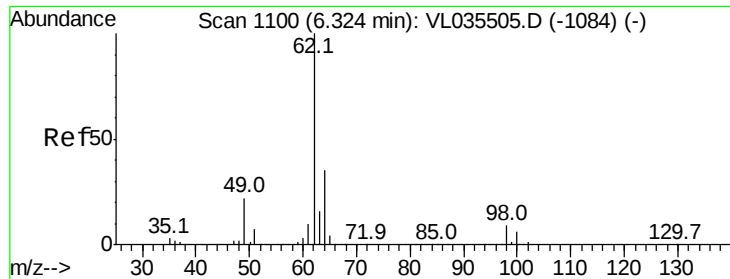


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

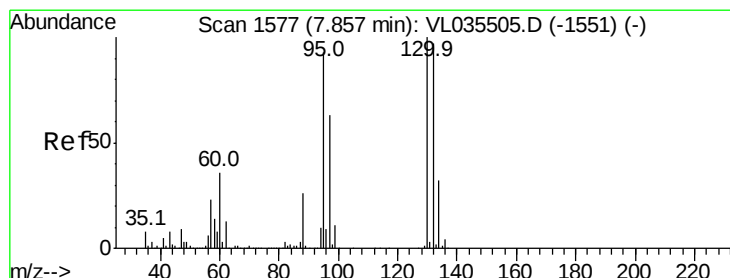
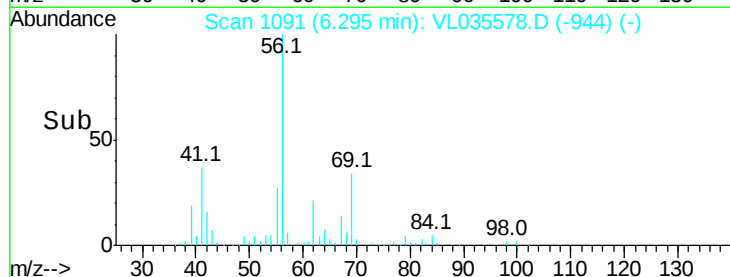
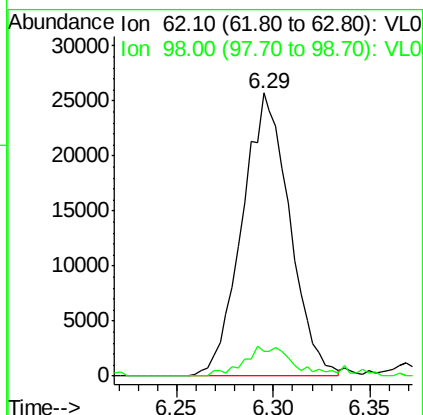
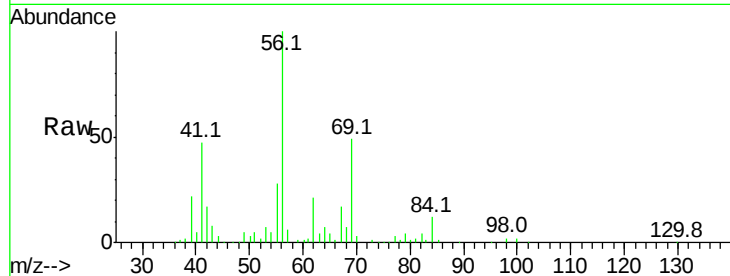




#37
 1,2-Dichloroethane
 Concen: 0.298 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

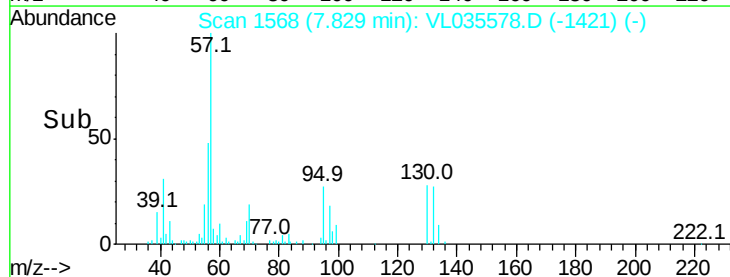
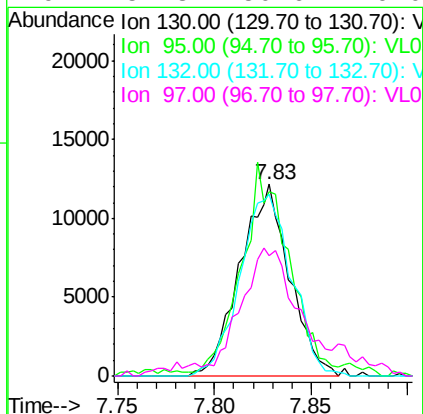
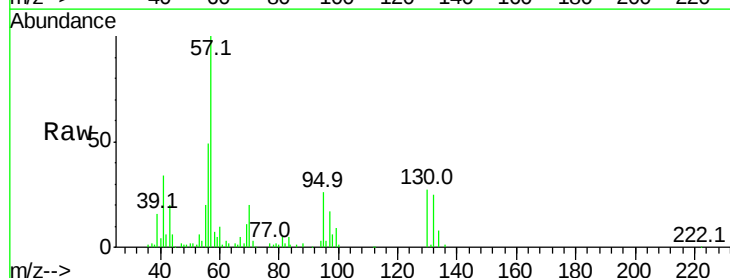
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

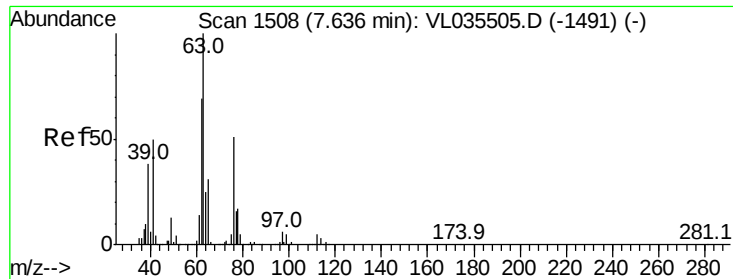
Tgt Ion: 62 Resp: 43951
 Ion Ratio Lower Upper
 62 100
 98 12.0 7.4 11.0#



#38
 Trichloroethene
 Concen: 0.120 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 130 Resp: 21605
 Ion Ratio Lower Upper
 130 100
 95 94.4 74.6 112.0
 132 94.8 77.6 116.4
 97 57.3 50.6 76.0





#39

1,2-Dichloropropane

Concen: 8.656 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

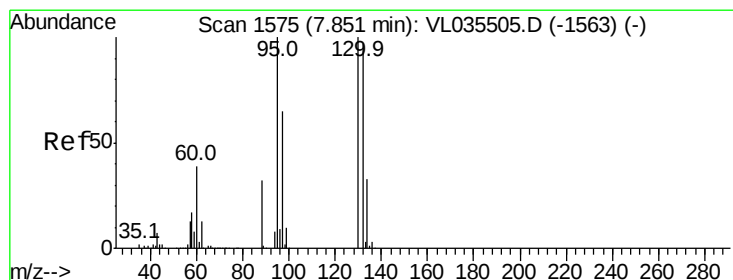
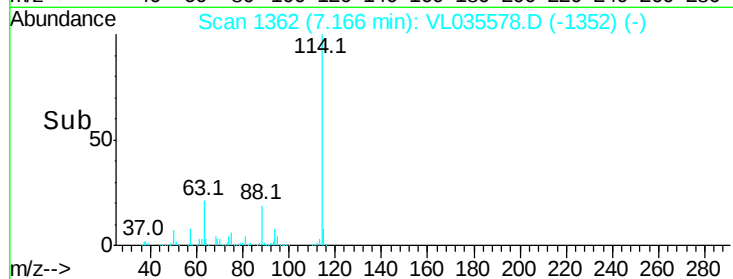
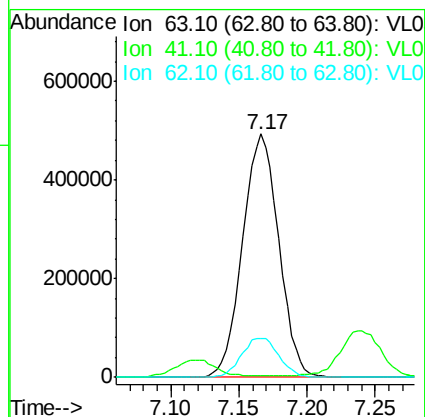
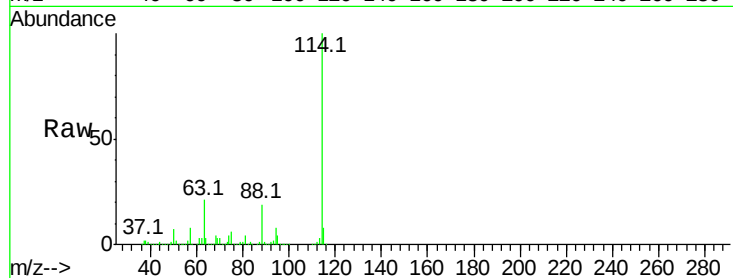
Tgt Ion: 63 Resp: 904482

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

62 16.1 55.4 83.0#



#40

1,4-Dioxane

Concen: 0.066 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion: 88 Resp: 3430

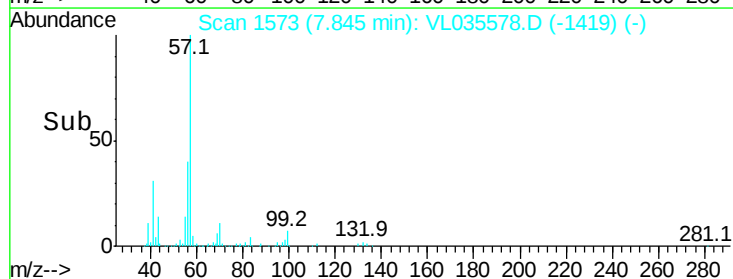
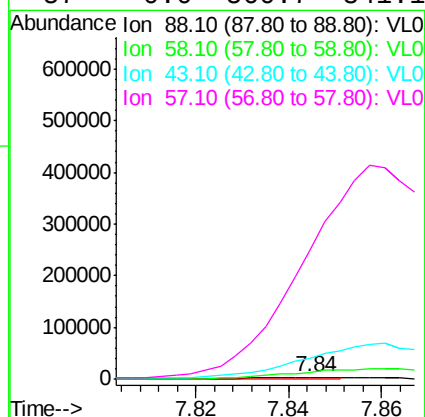
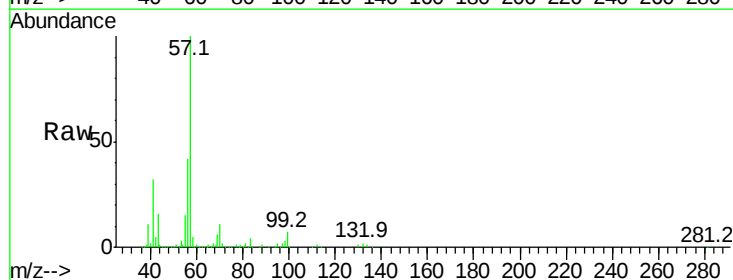
Ion Ratio Lower Upper

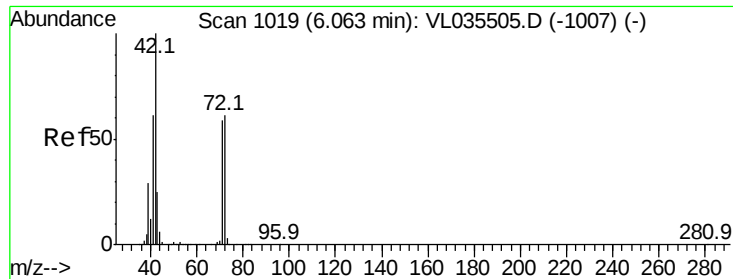
88 100

58 0.0 68.7 103.1#

43 0.0 104.3 156.5#

57 0.0 560.7 841.1#

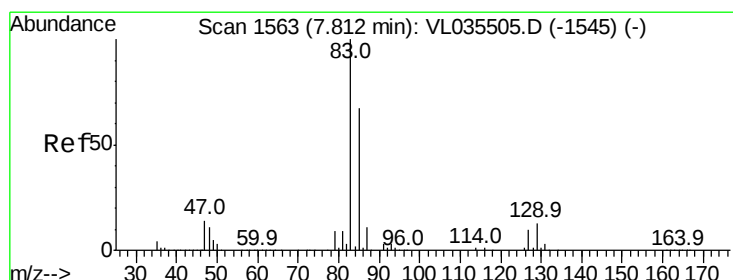
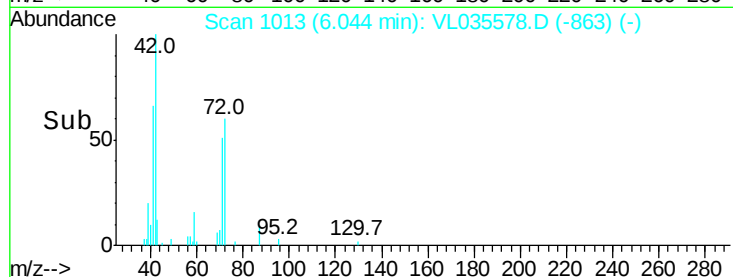
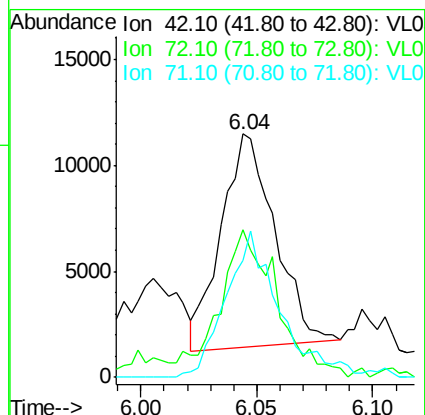
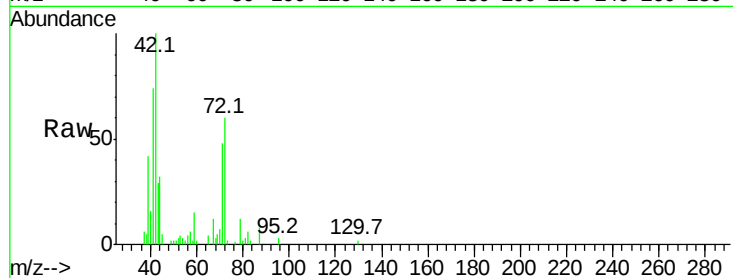




#41
Tetrahydrofuran
Concen: 0.216 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

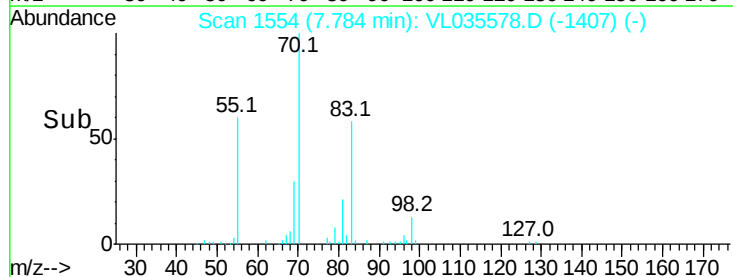
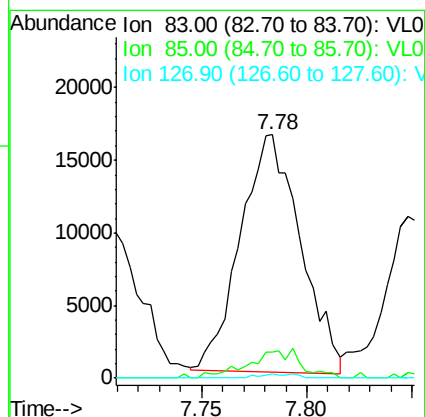
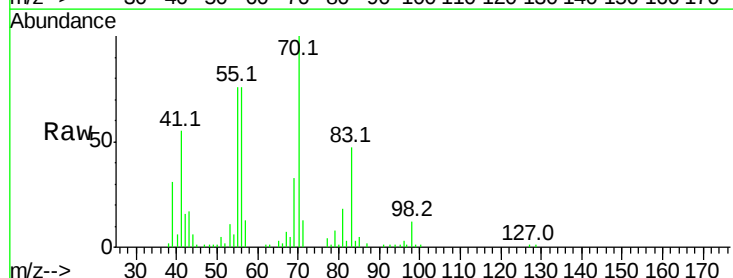
Instrument :
MSVOA_L
ClientSampled :
SS-2

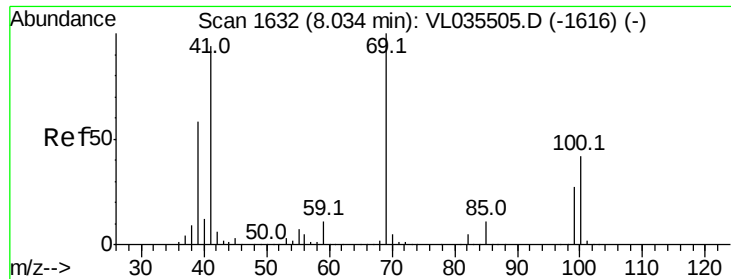
Tgt Ion: 42 Resp: 16281
Ion Ratio Lower Upper
42 100
72 85.9 48.6 73.0#
71 68.9 46.1 69.1



#42
Bromodichloromethane
Concen: 0.136 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 83 Resp: 32351
Ion Ratio Lower Upper
83 100
85 11.1 53.7 80.5#
127 1.8 8.1 12.1#





#43

Methyl Methacrylate

Concen: 1.084 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.03 min

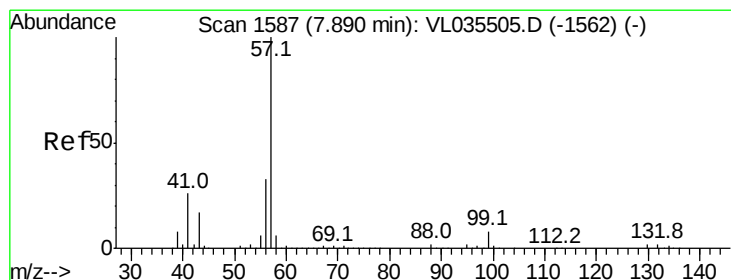
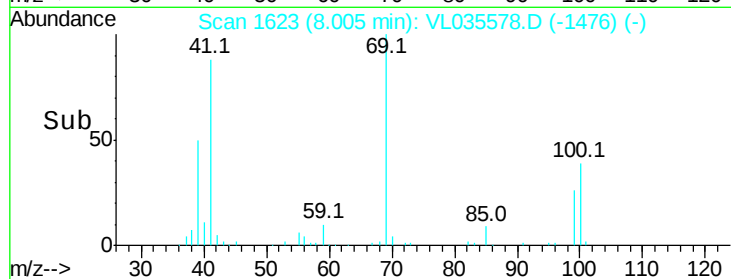
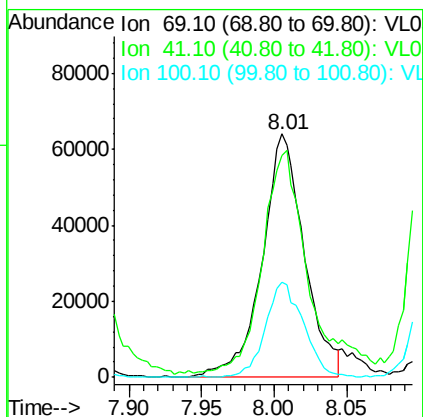
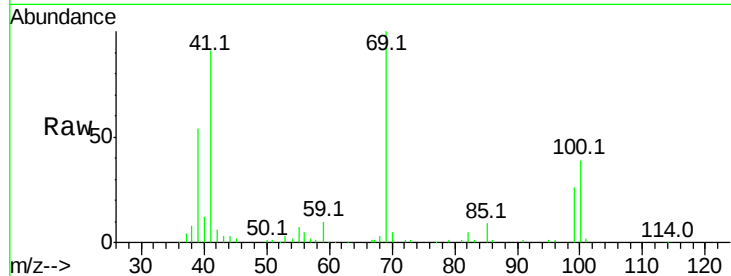
Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Tgt Ion: 69 Resp: 129643

Ion	Ratio	Lower	Upper
69	100		
41	101.0	76.6	114.8
100	35.6	33.8	50.6



#44

2,2,4-Trimethylpentane

Concen: 2.217 ppbv

RT: 7.86 min Scan# 1577

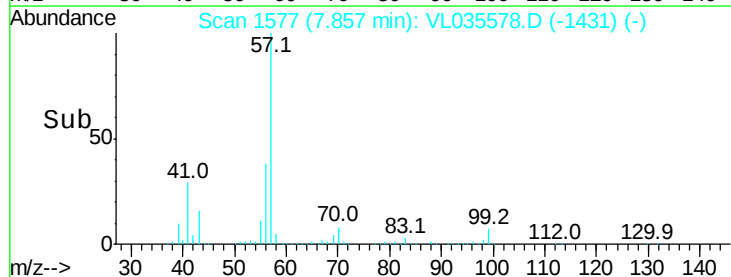
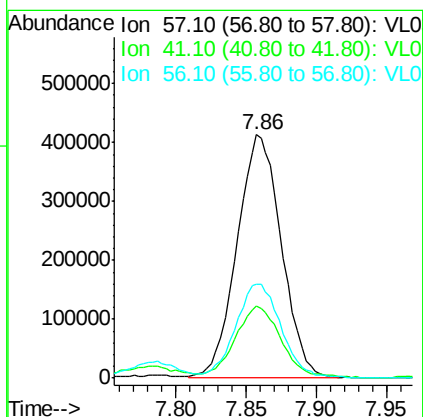
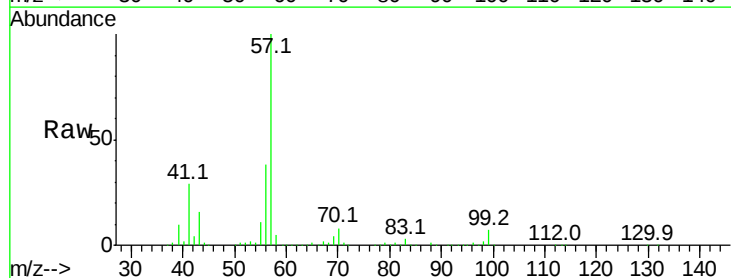
Delta R.T. -0.03 min

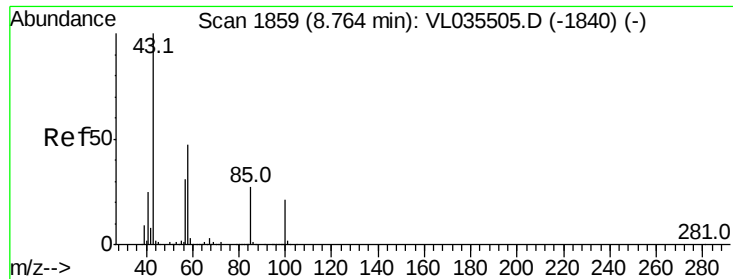
Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Tgt Ion: 57 Resp: 902527

Ion	Ratio	Lower	Upper
57	100		
41	31.0	20.5	30.7#
56	40.5	25.3	37.9#

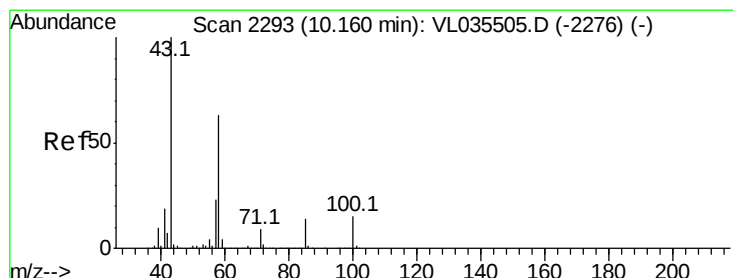
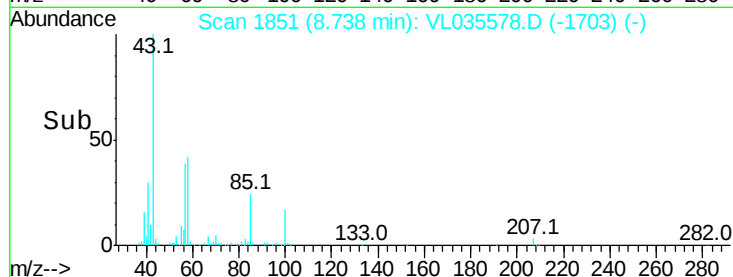
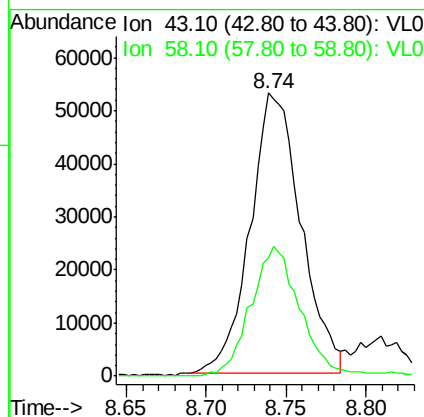
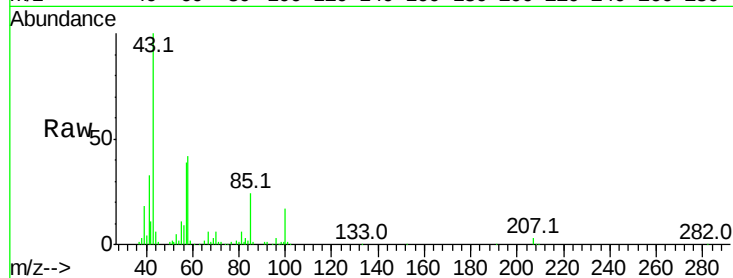




#50
 4-Methyl-2-Pentanone
 Concen: 0.561 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. -0.03 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

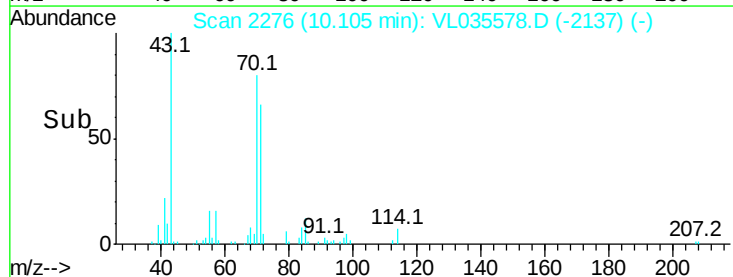
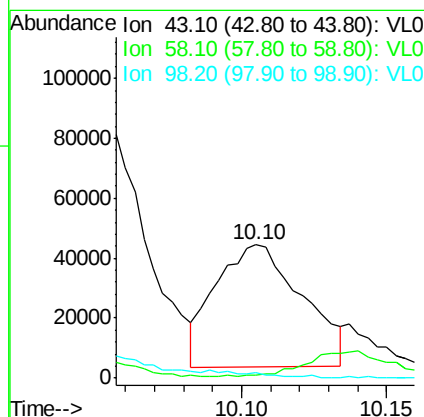
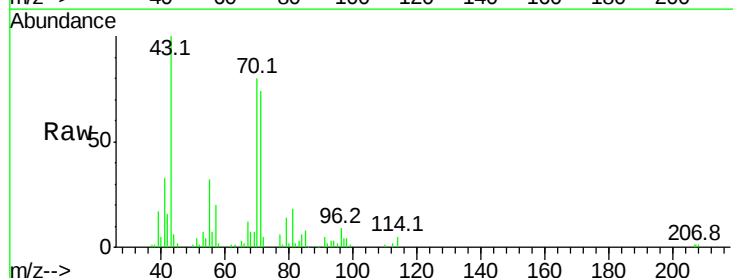
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

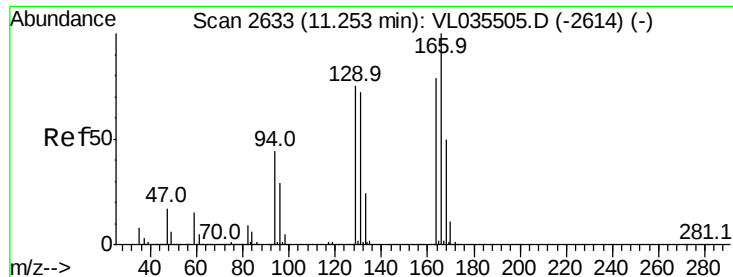
Tgt Ion: 43 Resp: 115276
 Ion Ratio Lower Upper
 43 100
 58 45.6 37.4 56.0



#51
 2-Hexanone
 Concen: 0.503 ppbv
 RT: 10.10 min Scan# 2276
 Delta R.T. -0.05 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion: 43 Resp: 84689
 Ion Ratio Lower Upper
 43 100
 58 0.0 50.2 75.4#
 98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 1.308 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

Tgt Ion:164 Resp: 236377

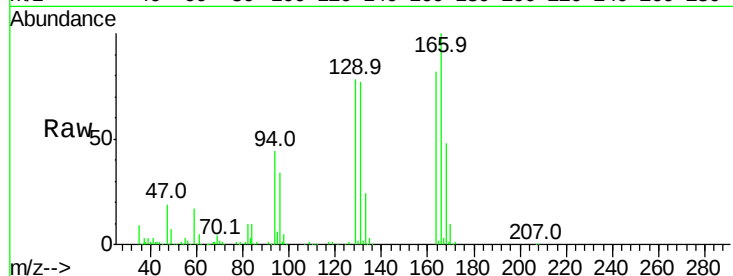
Ion Ratio Lower Upper

164 100

166 122.1 100.9 151.3

129 94.7 75.3 112.9

131 94.0 73.0 109.4

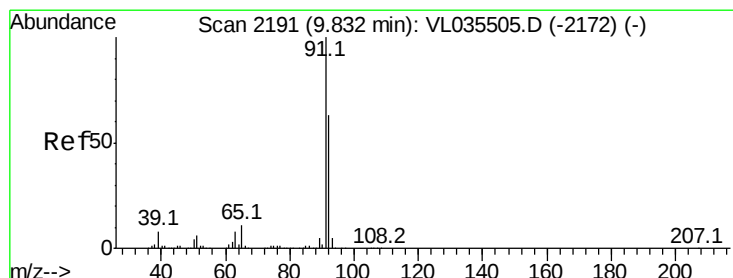
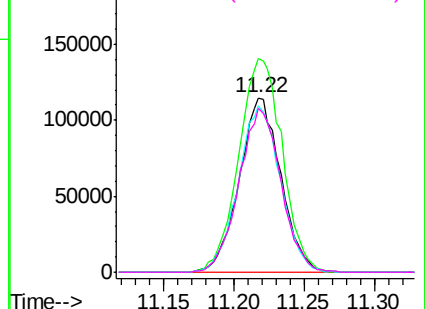
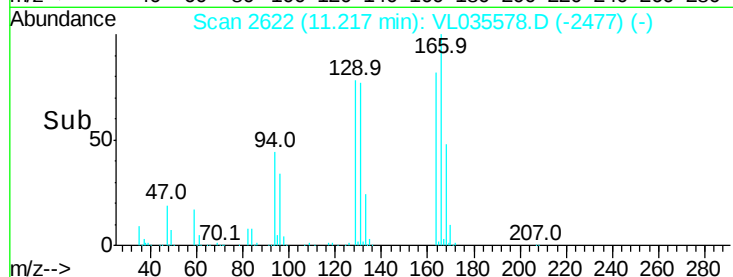


Abundance Ion 163.90 (163.60 to 164.60): V

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: 7.896 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL035578.D

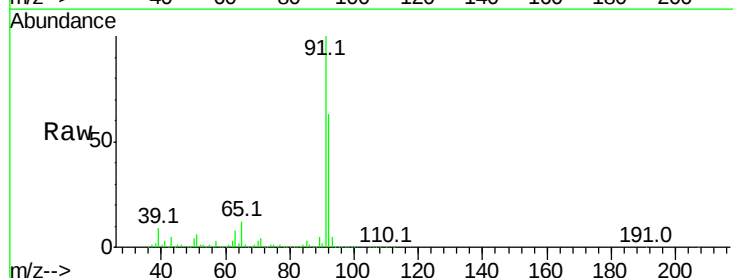
Acq: 9 Sep 2020 8:34

Tgt Ion: 91 Resp: 3071415

Ion Ratio Lower Upper

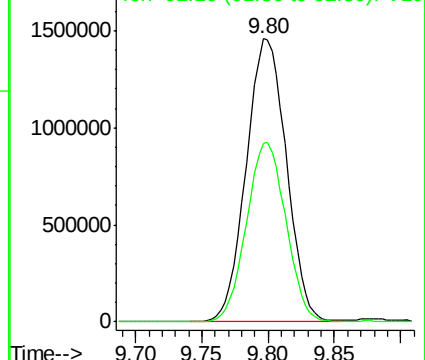
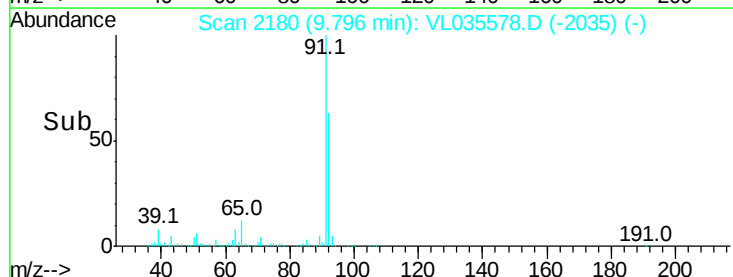
91 100

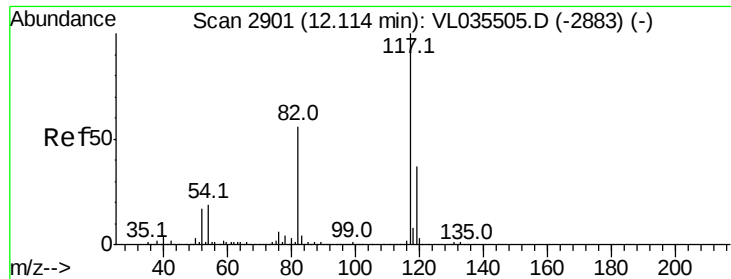
92 62.2 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

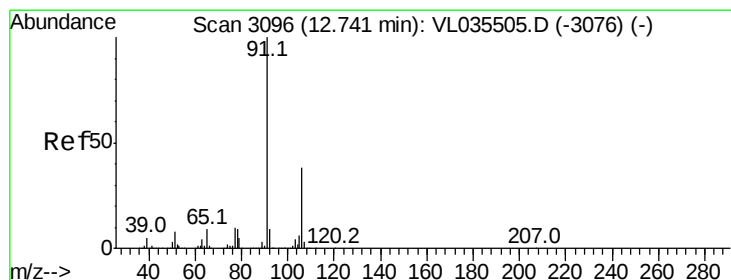
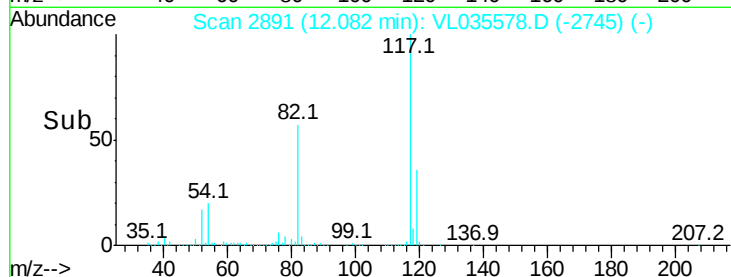
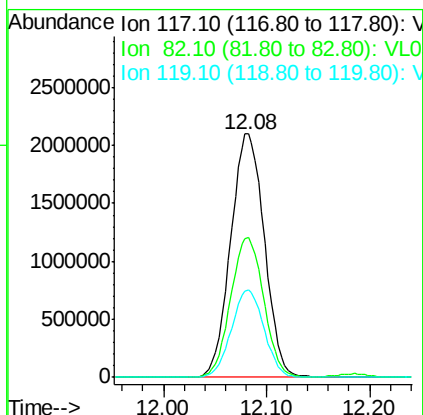
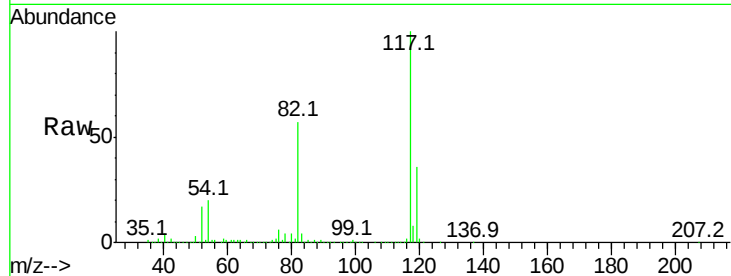




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

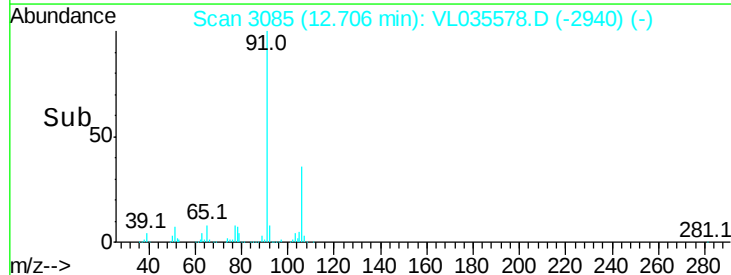
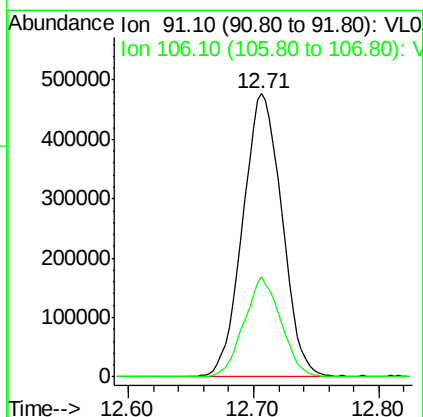
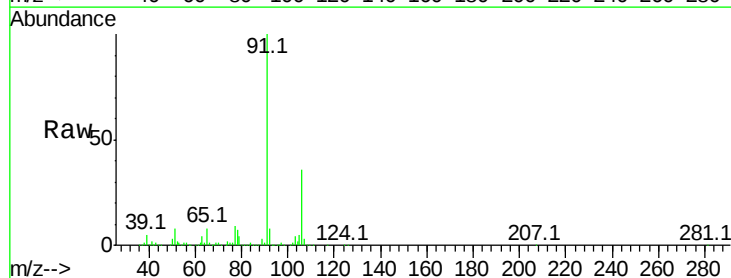
Instrument :
MSVOA_L
ClientSampleId :
SS-2

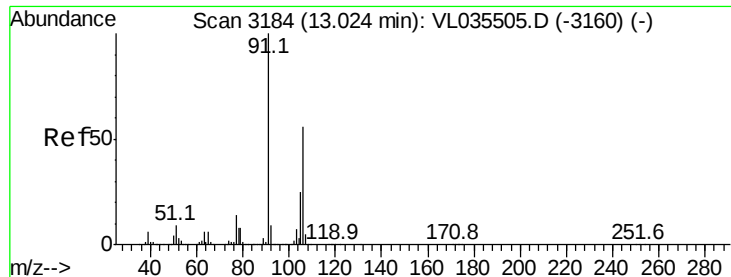
Tgt Ion:117 Resp: 4785074
Ion Ratio Lower Upper
117 100
82 56.4 41.6 62.4
119 34.9 29.3 43.9



#58
Ethyl Benzene
Concen: 2.089 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 91 Resp: 1030880
Ion Ratio Lower Upper
91 100
106 35.7 30.3 45.5





#59

m/p-Xylene

Concen: 6.672 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.06 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

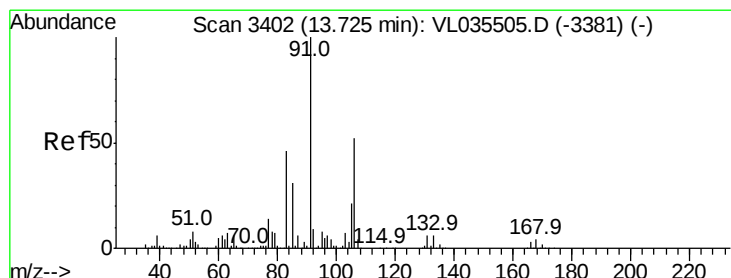
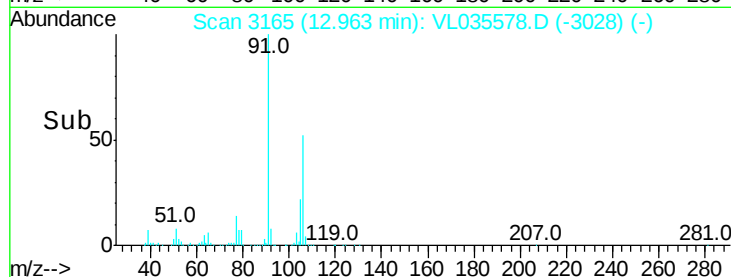
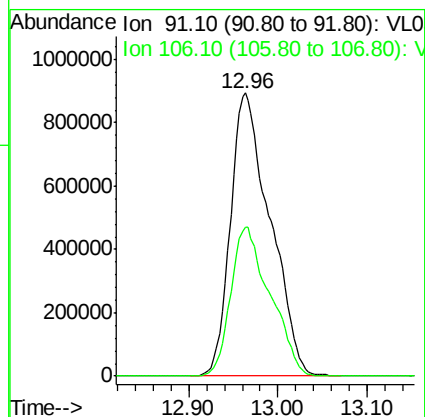
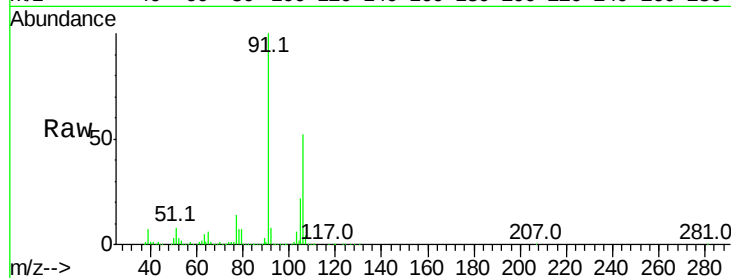
SS-2

Tgt Ion: 91 Resp: 2750806

Ion Ratio Lower Upper

91 100

106 52.5 43.4 65.2



#60

o-Xylene

Concen: 2.633 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.04 min

Lab File: VL035578.D

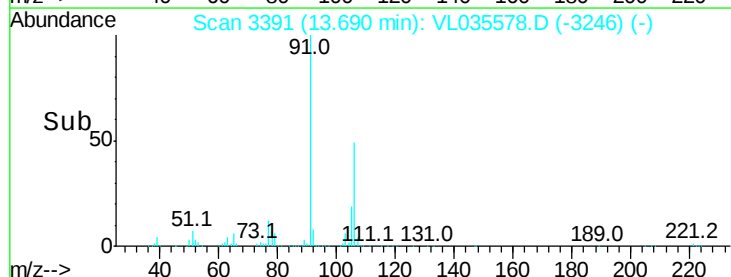
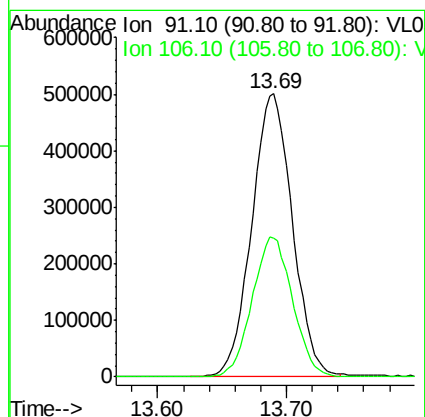
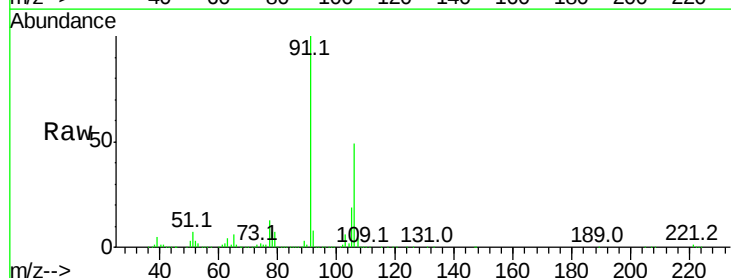
Acq: 9 Sep 2020 8:34

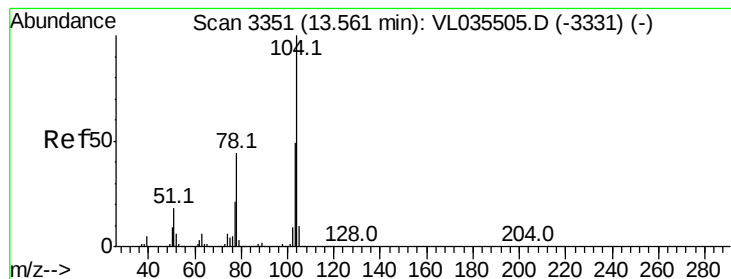
Tgt Ion: 91 Resp: 1093578

Ion Ratio Lower Upper

91 100

106 49.6 25.8 77.4





#61

Styrene

Concen: 0.351 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SS-2

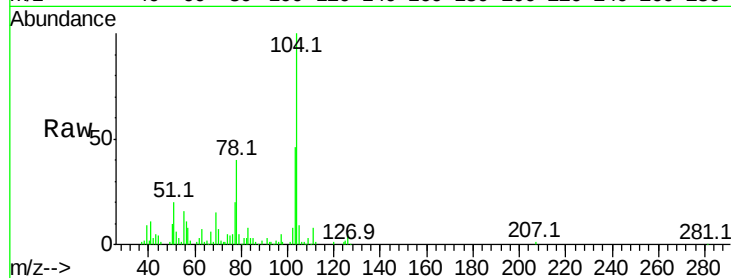
Tgt Ion:104 Resp: 111569

Ion Ratio Lower Upper

104 100

78 42.7 34.8 52.2

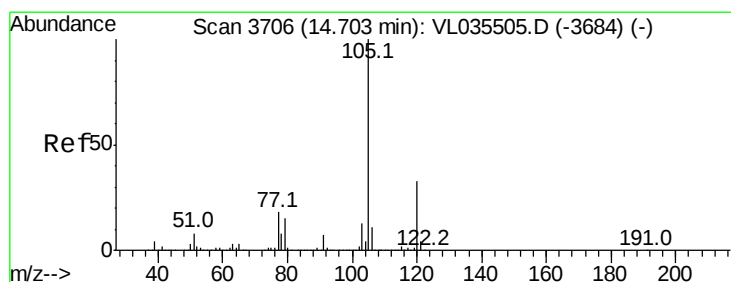
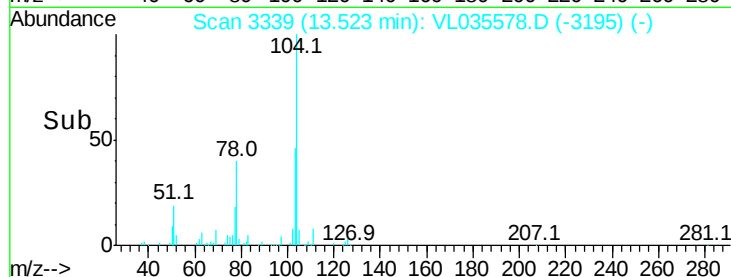
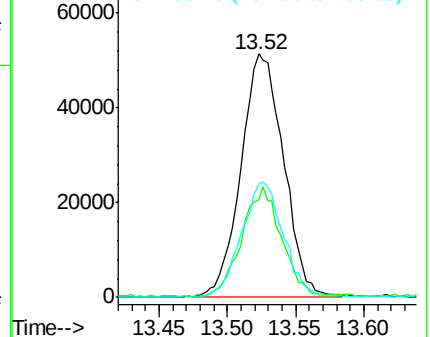
103 46.8 38.2 57.4



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: 0.164 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.04 min

Lab File: VL035578.D

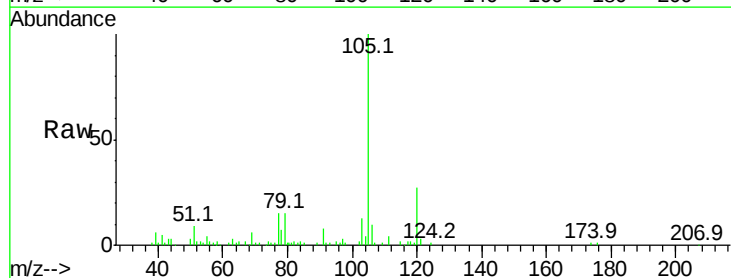
Acq: 9 Sep 2020 8:34

Tgt Ion:105 Resp: 109710

Ion Ratio Lower Upper

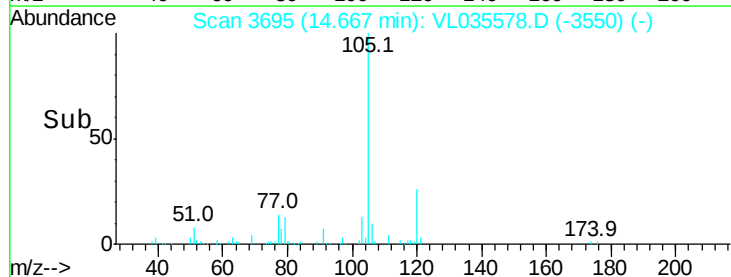
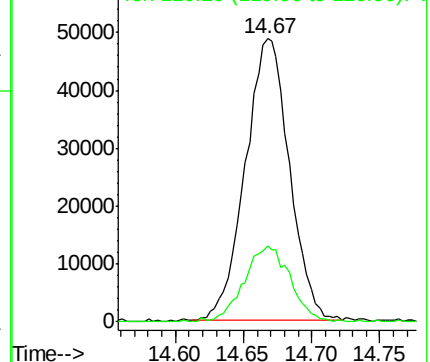
105 100

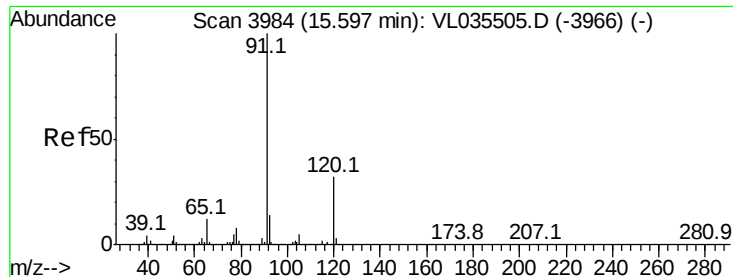
120 28.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

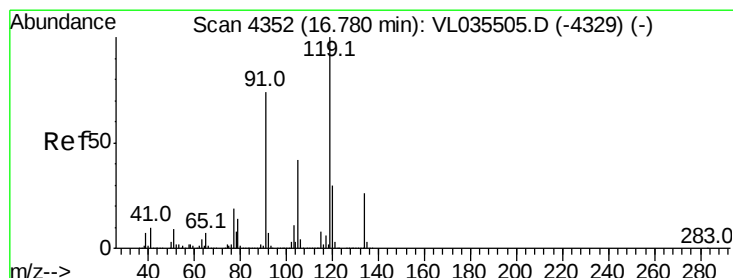
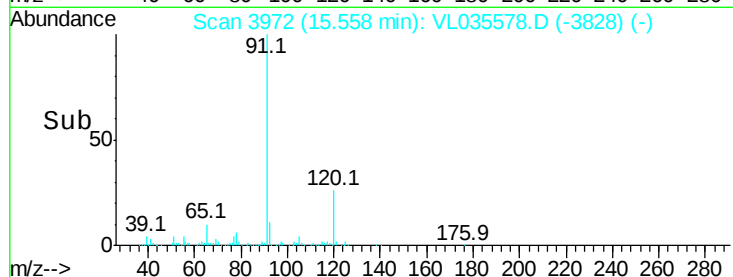
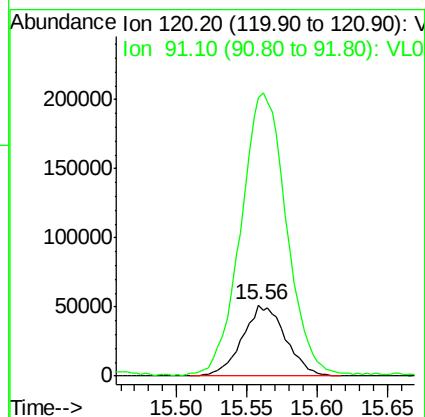
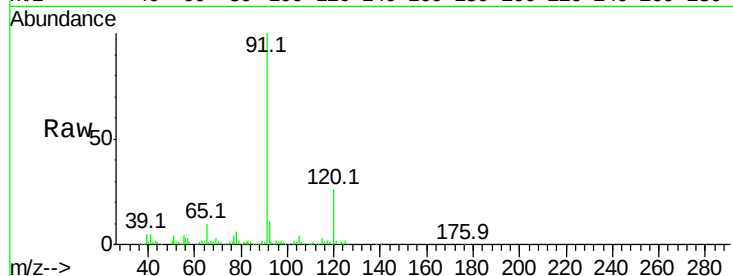




#64
n-propylbenzene
Concen: 0.540 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

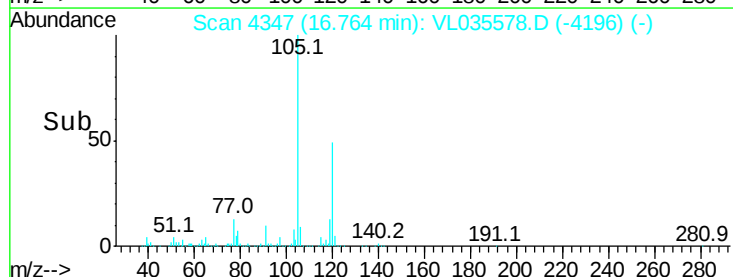
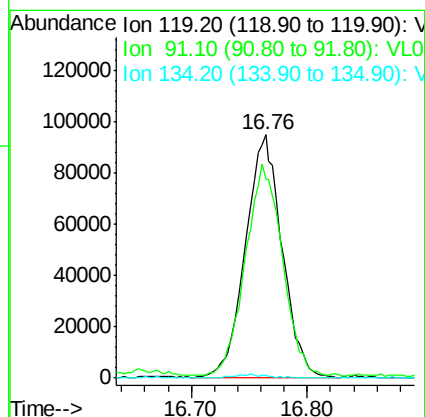
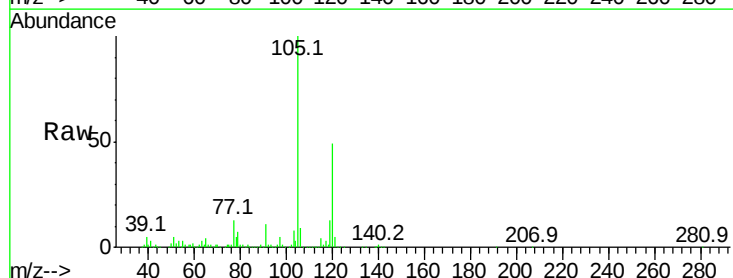
Instrument :
MSVOA_L
ClientSampleId :
SS-2

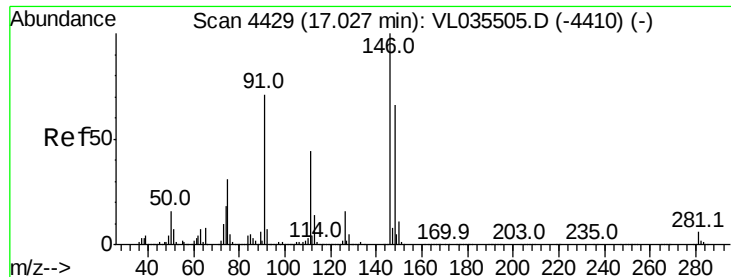
Tgt Ion:120 Resp: 110009
Ion Ratio Lower Upper
120 100
91 415.6 279.4 419.0



#65
tert-Butylbenzene
Concen: 0.334 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.02 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion:119 Resp: 207167
Ion Ratio Lower Upper
119 100
91 88.0 58.6 87.8#
134 1.5 18.9 28.3#

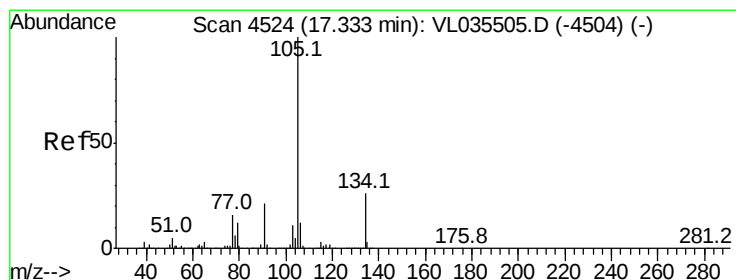
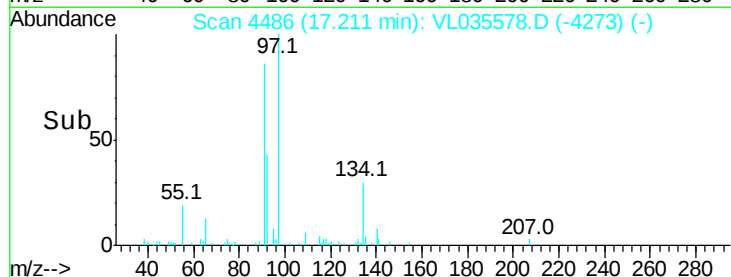
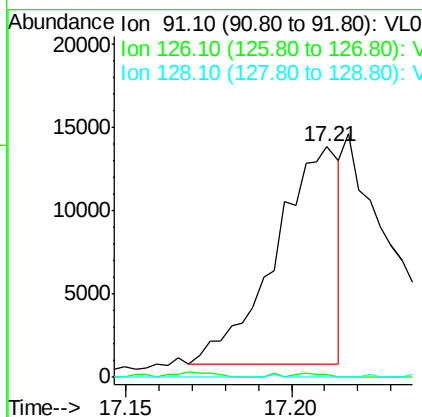
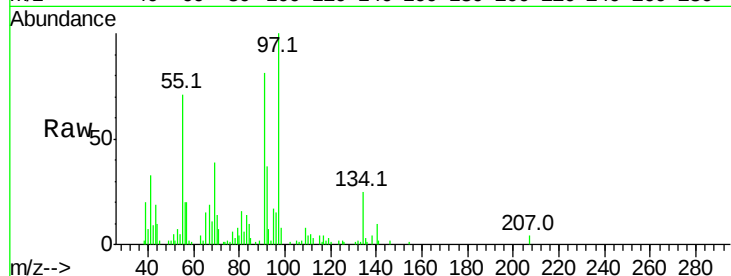




#66
Benzyl Chloride
Concen: 0.115 ppbv
RT: 17.21 min Scan# 4486
Delta R.T. 0.18 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

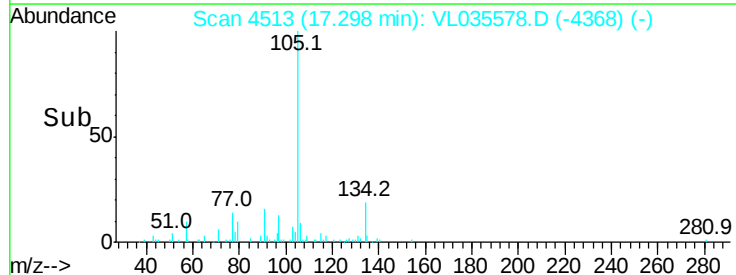
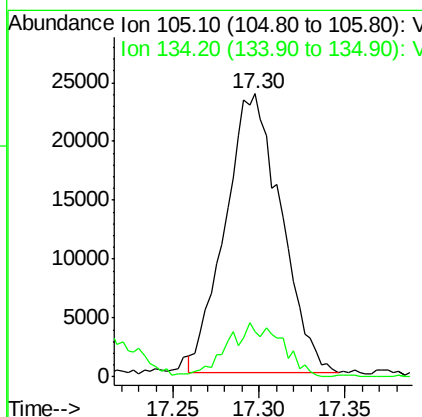
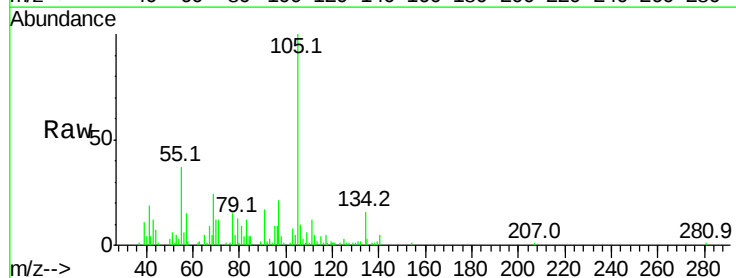
Instrument :
MSVOA_L
ClientSampleId :
SS-2

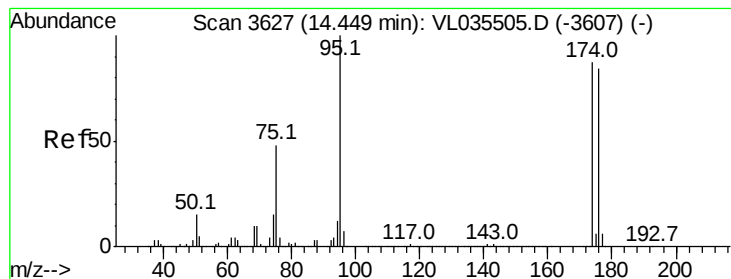
Tgt Ion: 91 Resp: 17721
Ion Ratio Lower Upper
91 100
126 1.5 17.2 25.8#
128 0.0 5.5 8.3#



#67
sec-Butylbenzene
Concen: 0.065 ppbv
RT: 17.30 min Scan# 4513
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 105 Resp: 53349
Ion Ratio Lower Upper
105 100
134 19.2 19.1 28.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.632 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

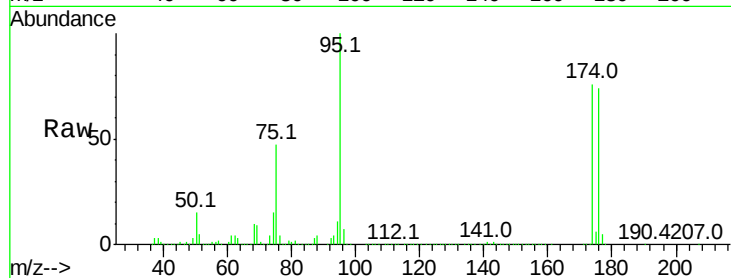
Tgt Ion: 95 Resp: 3612722

Ion Ratio Lower Upper

95 100

174 77.4 69.6 104.4

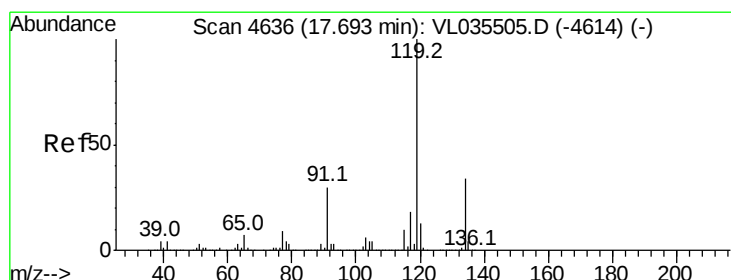
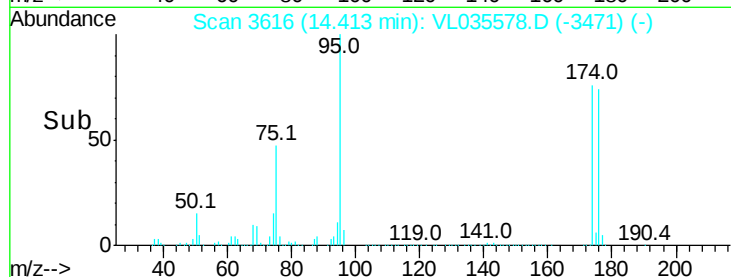
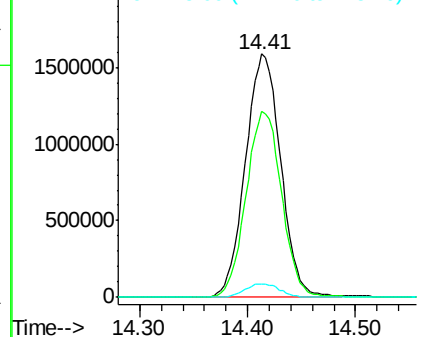
175 5.6 5.1 7.7



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



#69

p-Isopropyltoluene

Concen: 0.084 ppbv

RT: 17.55 min Scan# 4590

Delta R.T. -0.15 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

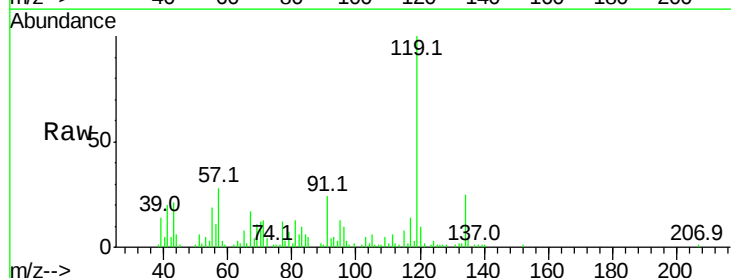
Tgt Ion: 119 Resp: 61210

Ion Ratio Lower Upper

119 100

134 33.8 25.0 37.4

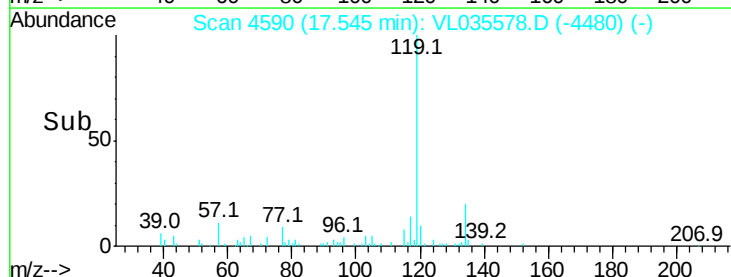
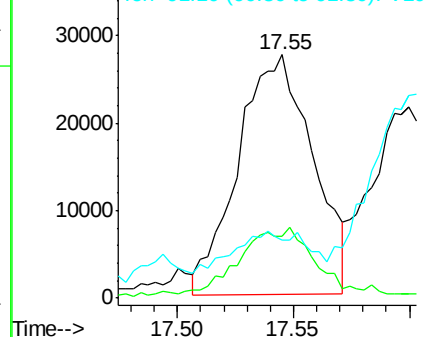
91 27.9 22.3 33.5

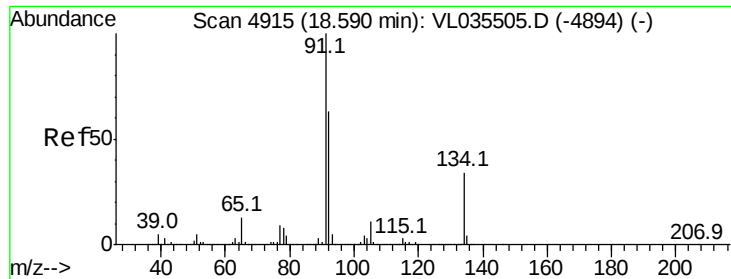


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

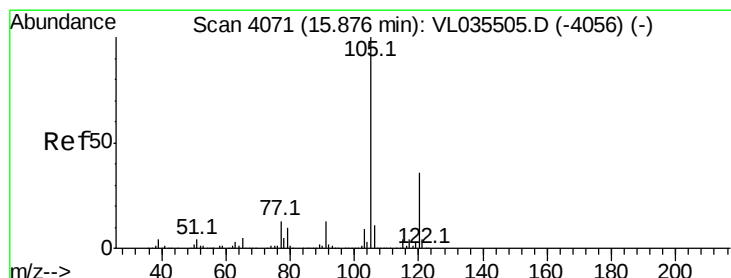
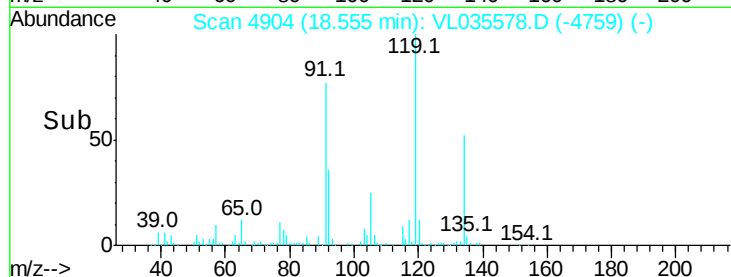
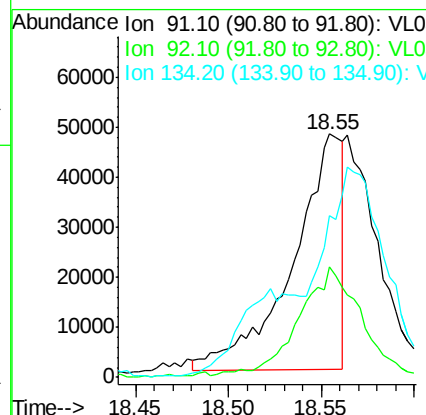
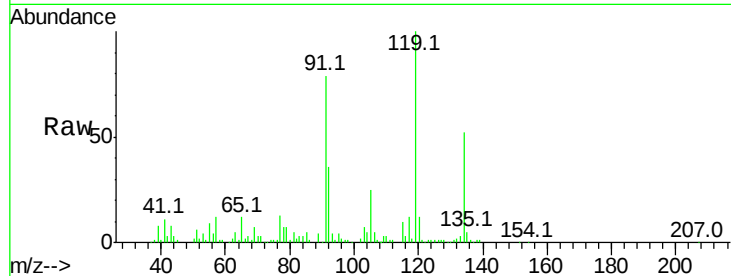




#70
n-Butylbenzene
Concen: 0.126 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

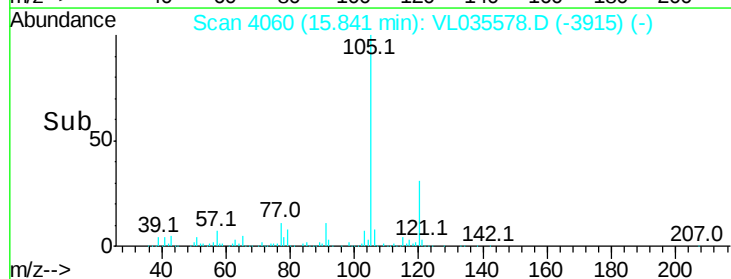
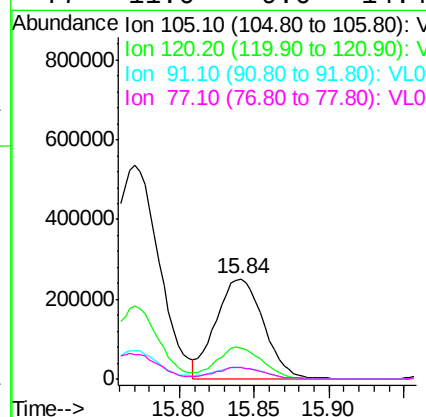
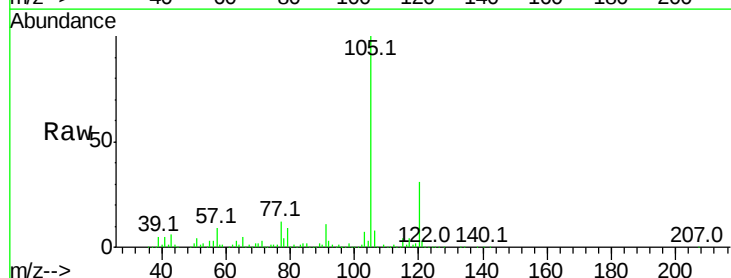
Instrument :
MSVOA_L
ClientSampled :
SS-2

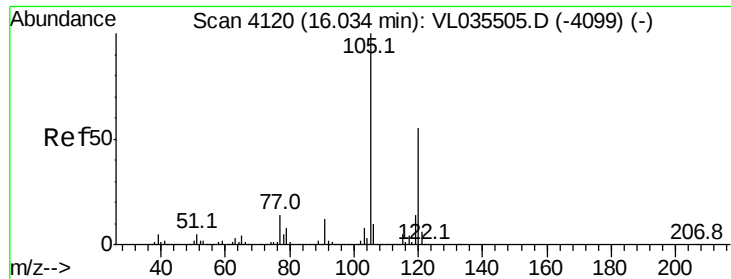
Tgt Ion: 91 Resp: 87693
Ion Ratio Lower Upper
91 100
92 61.4 47.3 70.9
134 0.0 24.6 37.0#



#72
4-Ethyltoluene
Concen: 1.051 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.04 min
Lab File: VL035578.D
Acq: 9 Sep 2020 8:34

Tgt Ion: 105 Resp: 555037
Ion Ratio Lower Upper
105 100
120 31.2 27.4 41.2
91 12.1 9.7 14.5
77 11.6 9.6 14.4

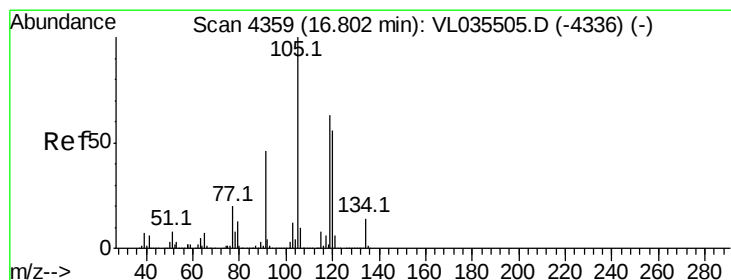
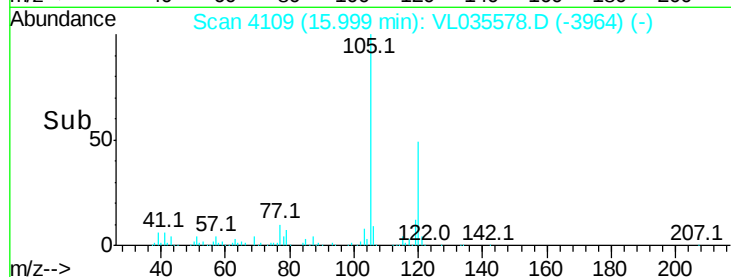
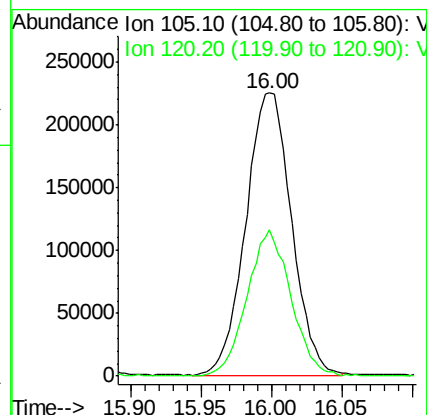
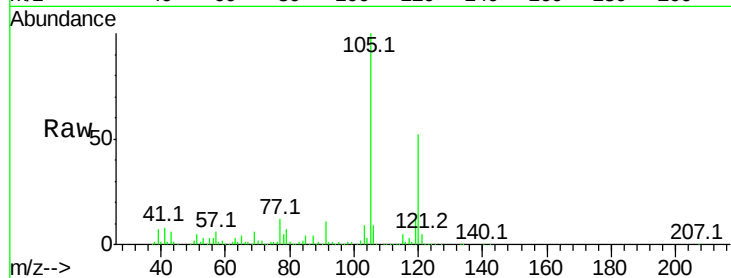




#73
 1,3,5-Trimethylbenzene
 Concen: 1.043 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.04 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

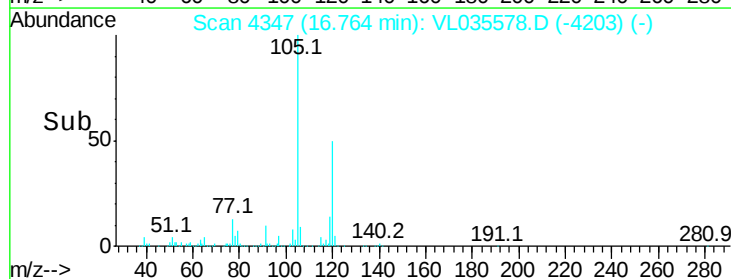
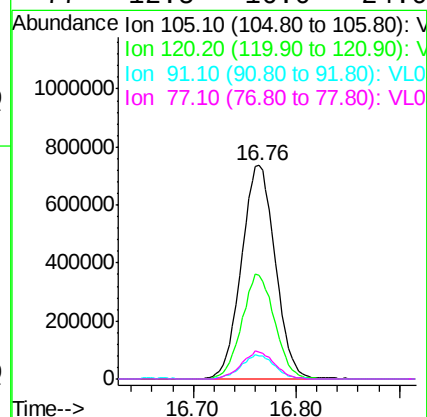
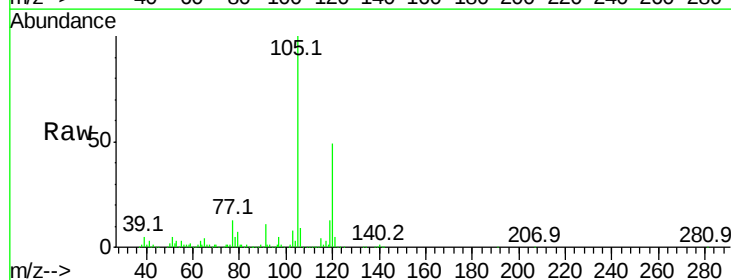
Instrument :
 MSVOA_L
 ClientSampled :
 SS-2

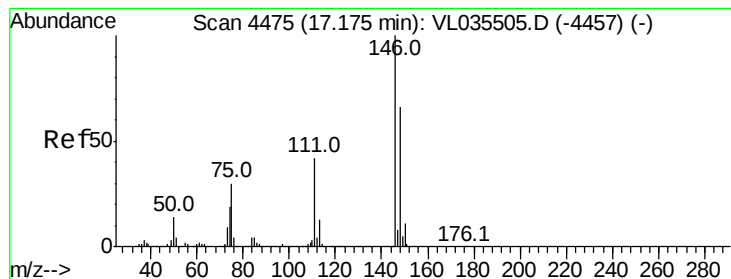
Tgt Ion:105 Resp: 509074
 Ion Ratio Lower Upper
 105 100
 120 51.4 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 3.128 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.04 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Tgt Ion:105 Resp: 1677343
 Ion Ratio Lower Upper
 105 100
 120 48.6 44.4 66.6
 91 10.4 37.1 55.7#
 77 12.5 16.0 24.0#





#76

1,4-Dichlorobenzene

Concen: 0.121 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SS-2

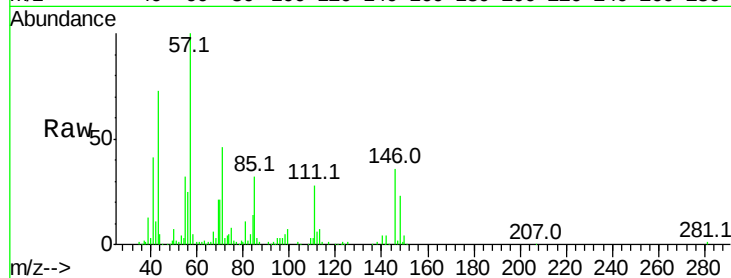
Tgt Ion:146 Resp: 47508

Ion Ratio Lower Upper

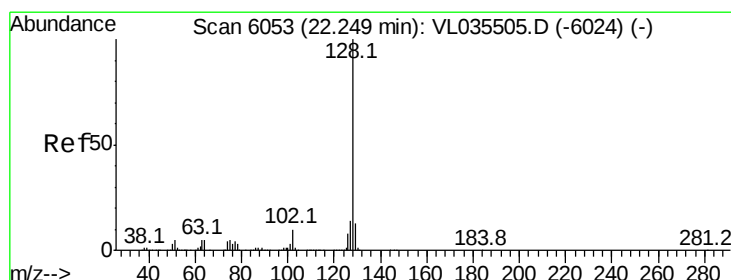
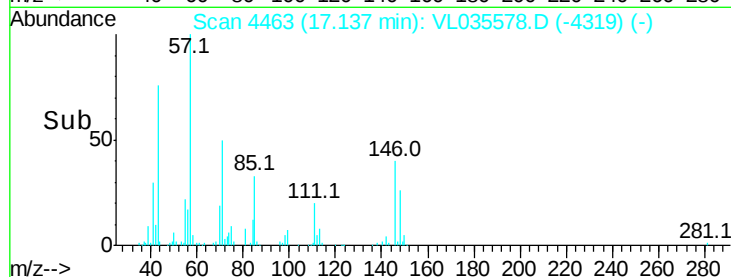
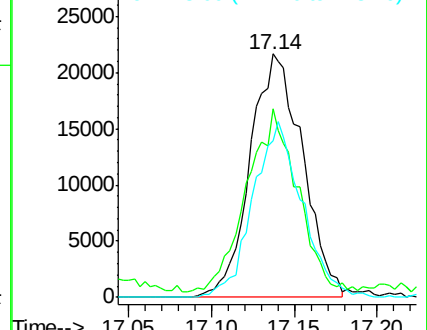
146 100

111 72.8 20.0 60.0#

148 68.0 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 2.879 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. -0.04 min

Lab File: VL035578.D

Acq: 9 Sep 2020 8:34

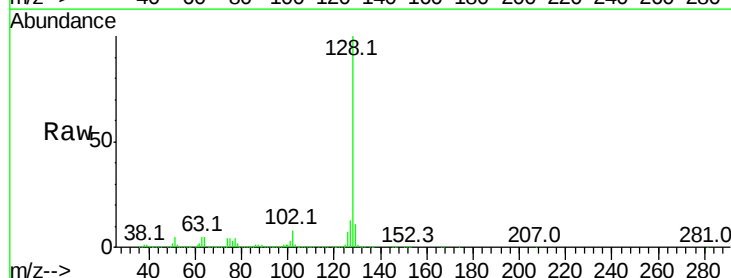
Tgt Ion:128 Resp: 1712890

Ion Ratio Lower Upper

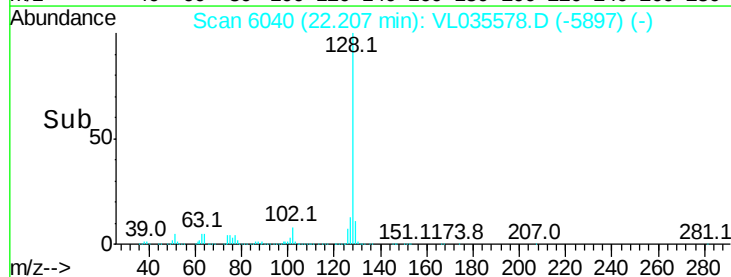
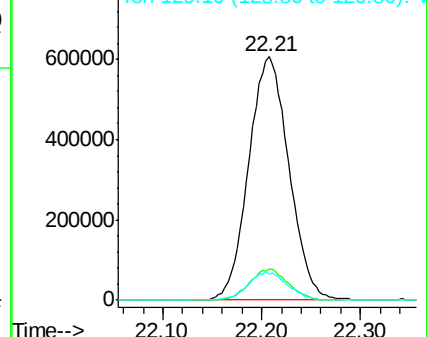
128 100

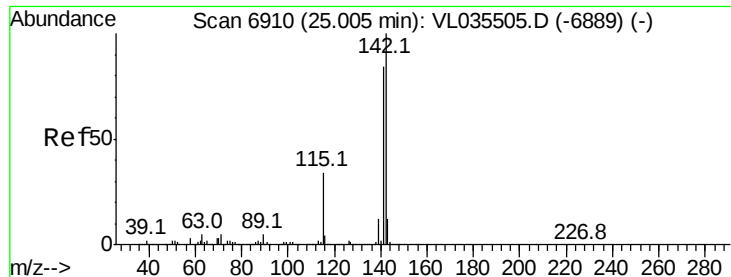
127 12.7 11.4 17.2

129 10.9 10.5 15.7



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.231 ppbv
 RT: 24.99 min Scan# 6904
 Delta R.T. -0.02 min
 Lab File: VL035578.D
 Acq: 9 Sep 2020 8:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.6	101.4
115	35.5	25.8	38.8

