

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035465.D
 Acq On : 19 Aug 2020 11:46
 Operator : SY/AP
 Sample : L3730-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 02:47:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1053850	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4839353	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4828089	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3495645	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

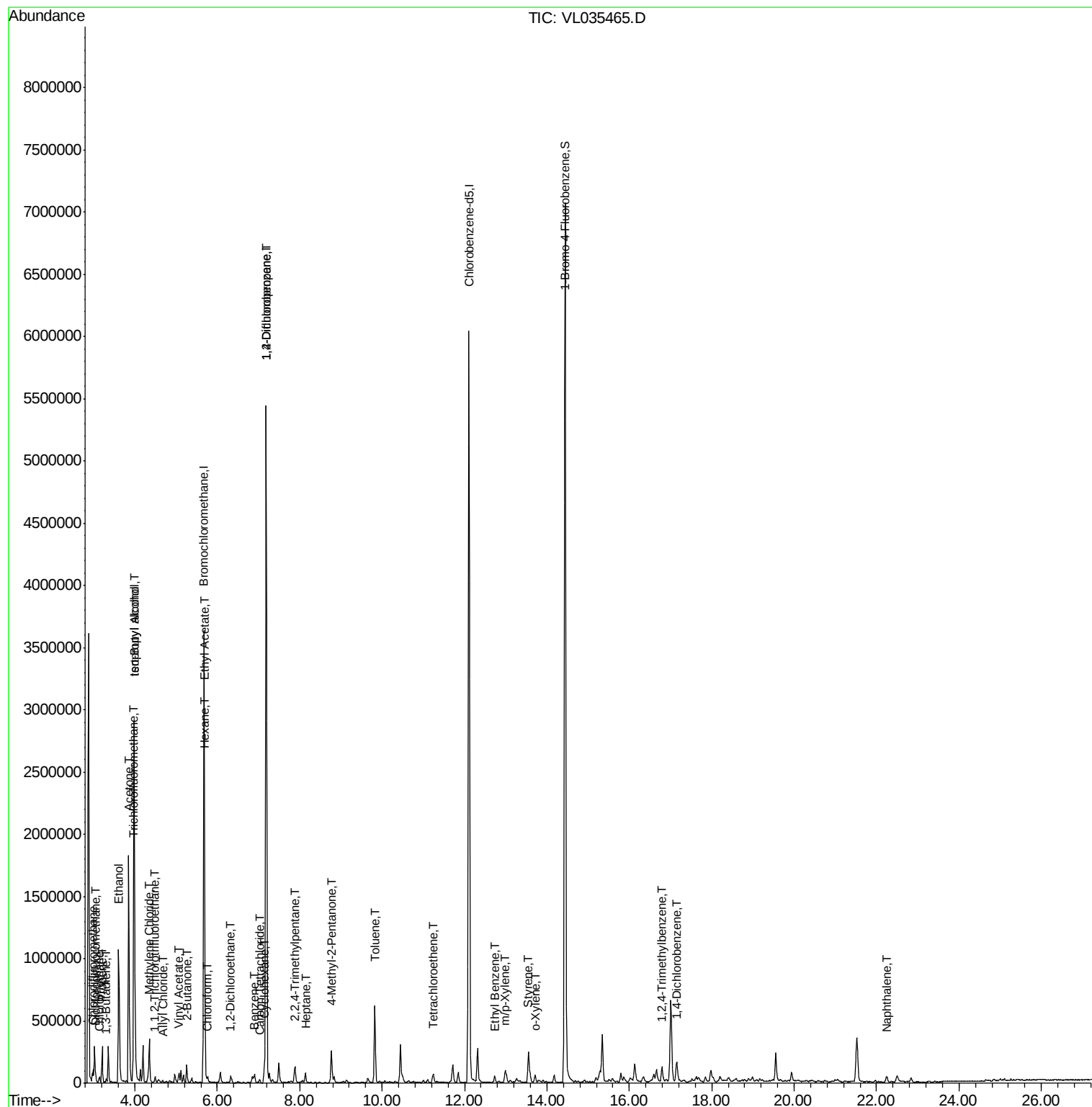
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	60043	0.307	ppbv	99
3) Chlorodifluoromethane	2.99	51	121506	0.920	ppbv	92
4) Chloromethane	3.14	50	37636	0.547	ppbv	97
9) Propene	3.20	41	54002	1.017	ppbv	86
10) Heptane	8.13	43	10842	0.078	ppbv #	1
11) Trichlorofluoromethane	3.95	101	72942	0.238	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	16202	0.071	ppbv #	81
13) Ethanol	3.61	45	1213270	62.351	ppbv	99
15) Acetone	3.85	43	1709806	14.096	ppbv #	82
16) 1,3-Butadiene	3.31	39	6819	0.139	ppbv #	50
17) tert-Butyl alcohol	3.98	59	169665	1.082	ppbv	96
19) Isopropyl Alcohol	3.98	45	3386811	40.510	ppbv #	99
20) Methylene Chloride	4.35	84	159182	1.626	ppbv #	64
21) Allyl Chloride	4.67	41	4509	0.073	ppbv #	1
23) Vinyl Acetate	5.07	43	40202	0.232	ppbv #	53
25) Ethyl Acetate	5.69	43	112158	0.475	ppbv	98
26) Hexane	5.70	57	123489	0.927	ppbv #	43
29) Chloroform	5.76	83	27555	0.103	ppbv	97
30) Cyclohexane	7.14	84	49391	0.334	ppbv #	59
34) 2-Butanone	5.26	43	134290	0.831	ppbv #	74
35) Carbon Tetrachloride	7.03	117	10736	0.042	ppbv #	80
36) Benzene	6.90	78	52525	0.148	ppbv #	90
37) 1,2-Dichloroethane	6.31	62	7293	0.045	ppbv #	93
39) 1,2-Dichloropropane	7.19	63	842327	7.196	ppbv #	23
44) 2,2,4-Trimethylpentane	7.89	57	123625	0.267	ppbv	94
50) 4-Methyl-2-Pentanone	8.76	43	181795	0.784	ppbv #	83
52) Tetrachloroethene	11.24	164	10713	0.049	ppbv #	85
53) Toluene	9.82	91	521933	1.141	ppbv	99
58) Ethyl Benzene	12.73	91	47170	0.081	ppbv #	86
59) m/p-Xylene	12.99	91	105463	0.214	ppbv #	78
60) o-Xylene	13.72	91	44675	0.093	ppbv	89
61) Styrene	13.55	104	172517	0.446	ppbv #	88
74) 1,2,4-Trimethylbenzene	16.79	105	82434	0.130	ppbv #	70
76) 1,4-Dichlorobenzene	17.17	146	39781	0.082	ppbv	95
79) Naphthalene	22.25	128	32348	0.036	ppbv	96

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

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QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :
MSVOA_L
ClientSampleId :

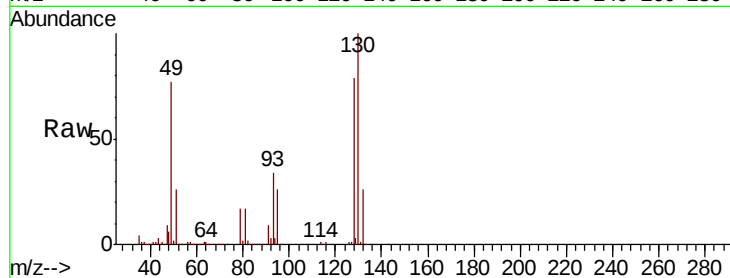
Tot Ion: 49 Resp: 1053850

Ion Ratio Lower Upper

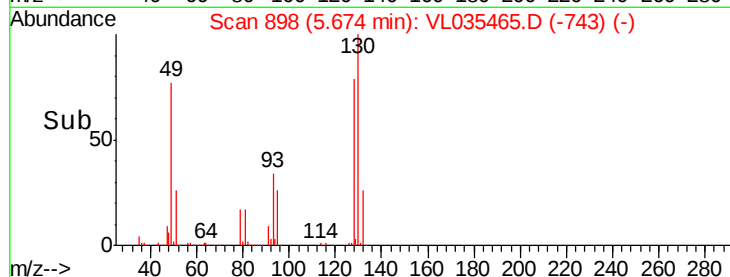
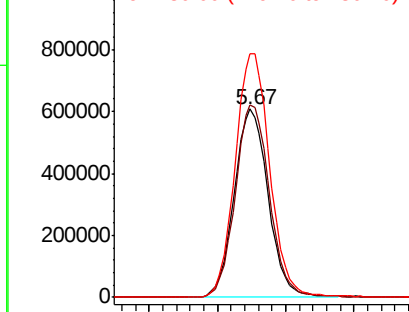
49 100

128 103.4 20.9 62.7#

130 132.5 26.7 80.1#



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: 0.307 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035465.D

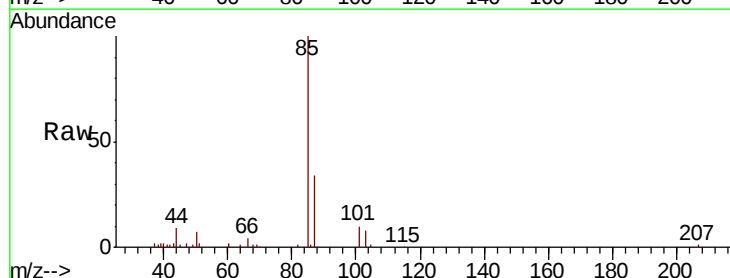
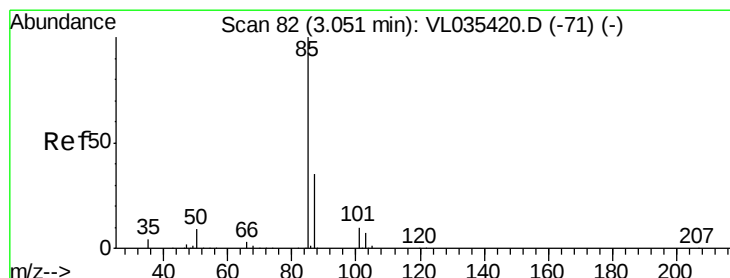
Acq: 19 Aug 2020 11:46

Tgt Ion: 85 Resp: 60043

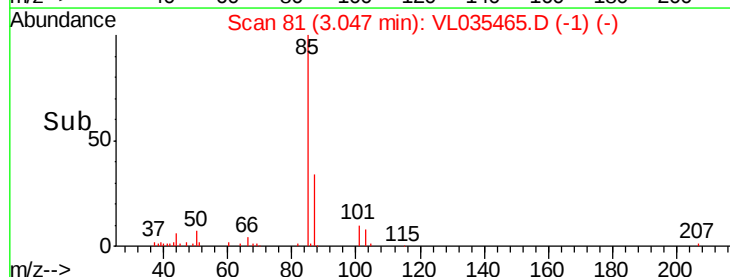
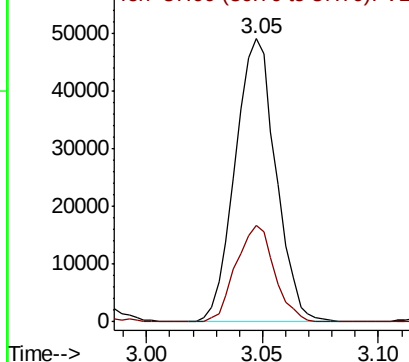
Ion Ratio Lower Upper

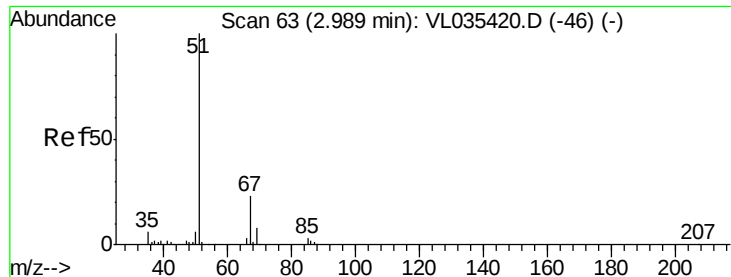
85 100

87 34.2 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

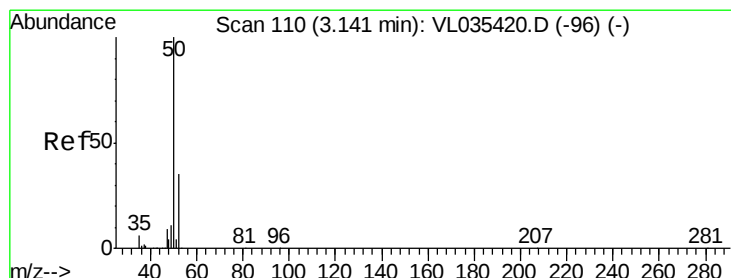
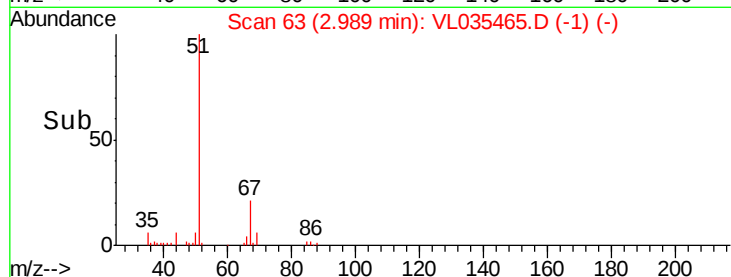
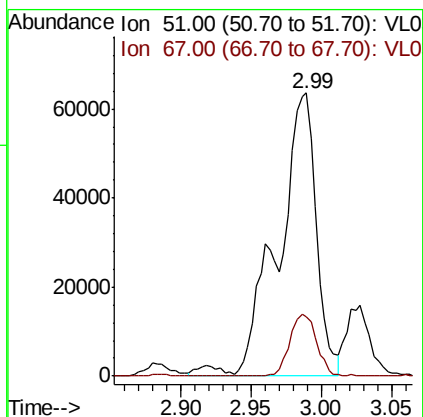
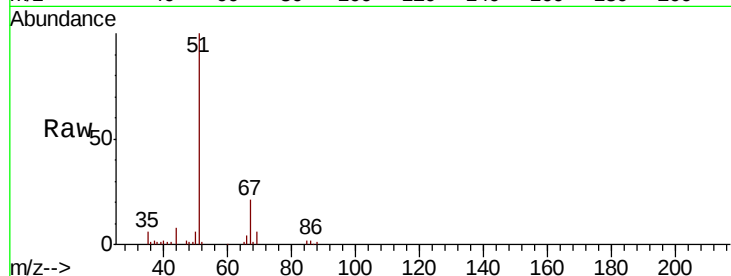




#3
 Chlorodifluoromethane
 Concen: 0.920 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

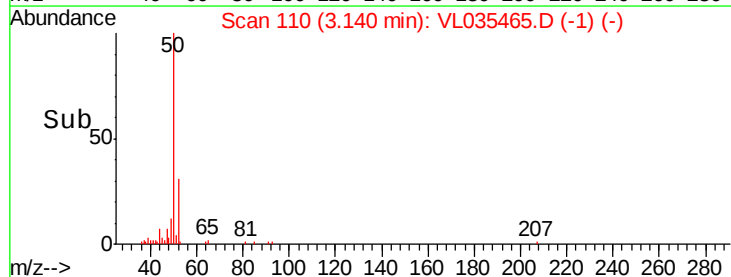
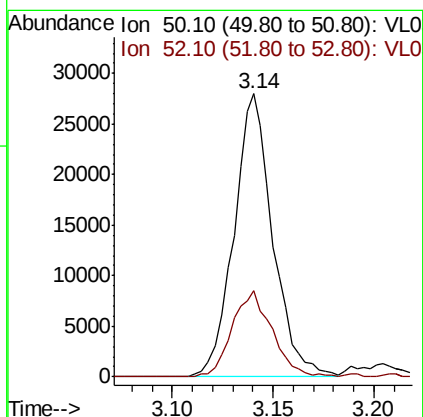
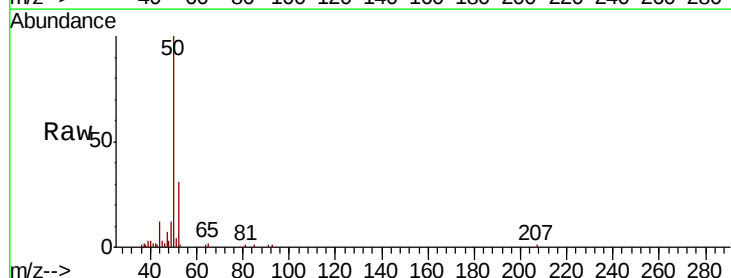
Instrument :
 MSVOA_L
 ClientSampleId :

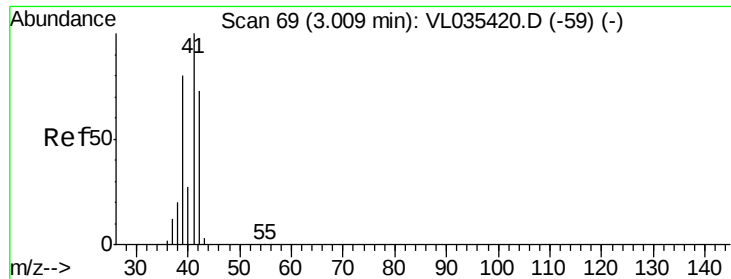
Tot Ion: 51 Resp: 121506
 Ion Ratio Lower Upper
 51 100
 67 15.2 15.0 22.6



#4
 Chloromethane
 Concen: 0.547 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.01 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

Tgt Ion: 50 Resp: 37636
 Ion Ratio Lower Upper
 50 100
 52 30.7 25.9 38.9





#9

Propene

Concen: 1.017 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.20 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

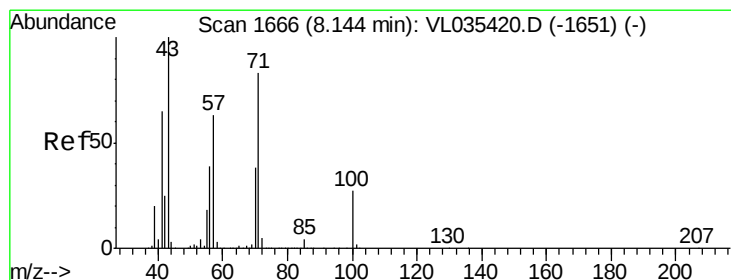
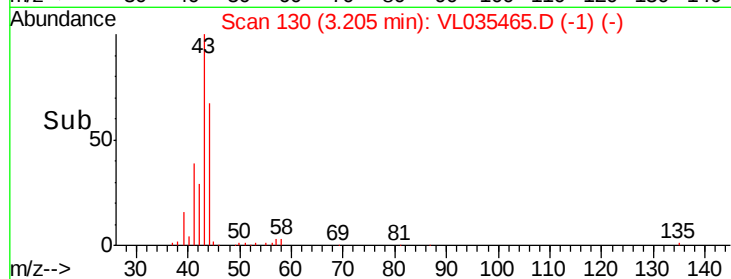
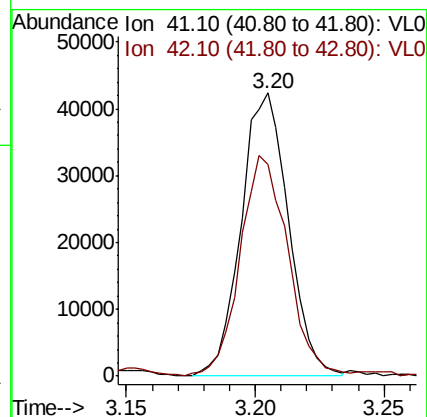
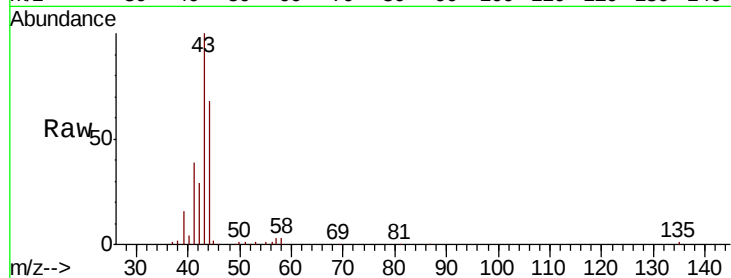
ClientSampleId :

Tot Ion: 41 Resp: 54002

Ion Ratio Lower Upper

41 100

42 80.8 55.5 83.3



#10

Heptane

Concen: 0.078 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL035465.D

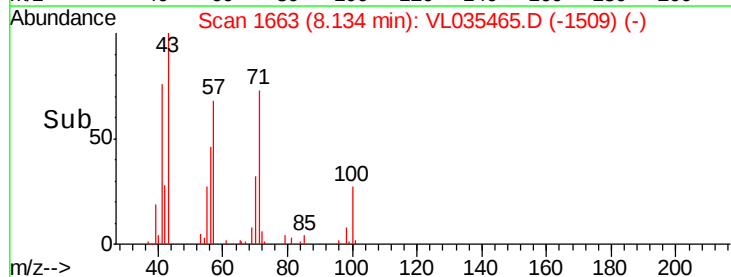
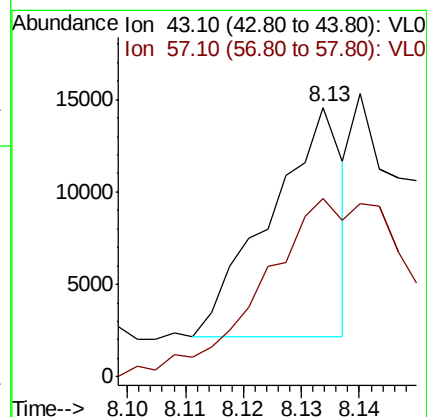
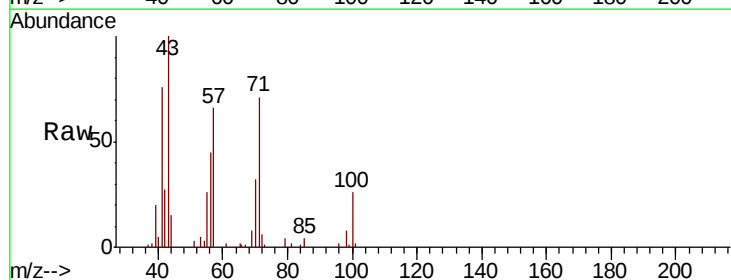
Acq: 19 Aug 2020 11:46

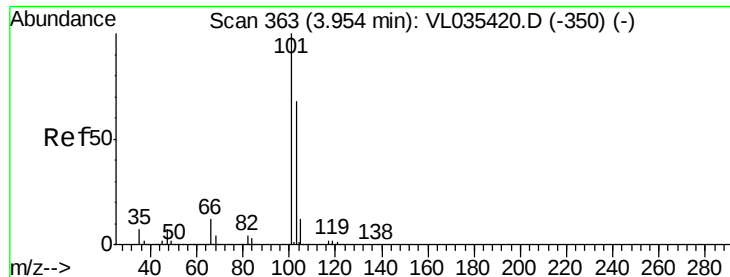
Tgt Ion: 43 Resp: 10842

Ion Ratio Lower Upper

43 100

57 166.2 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.238 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

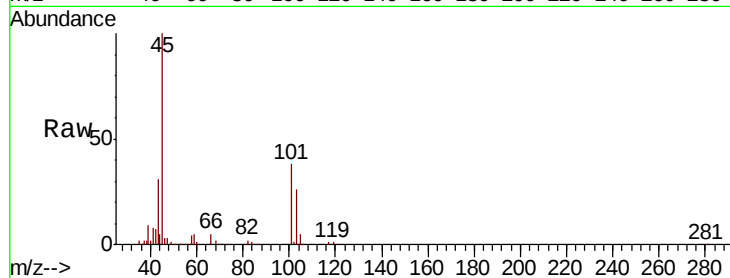
ClientSampled :

Tot Ion:101 Resp: 72942

Ion Ratio Lower Upper

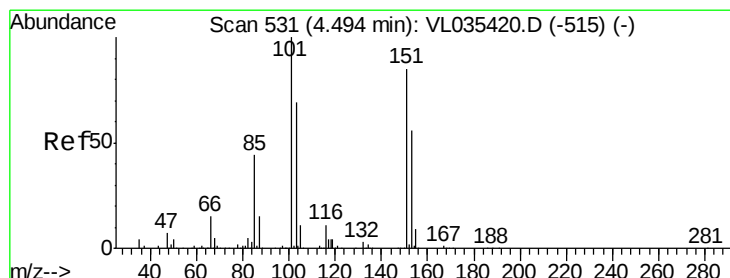
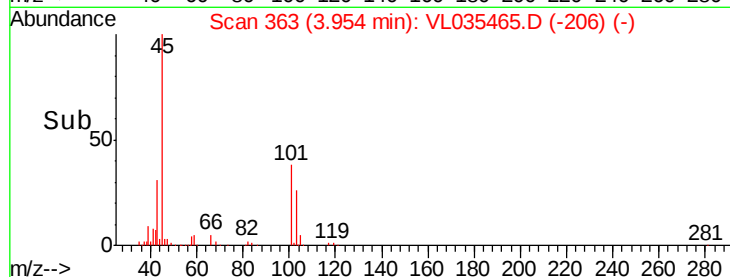
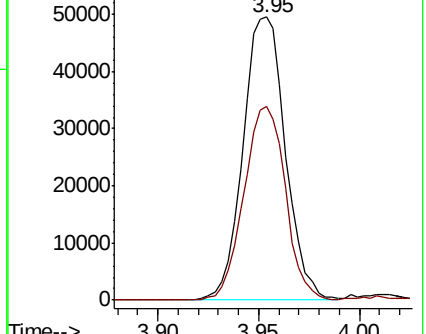
101 100

103 68.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.071 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL035465.D

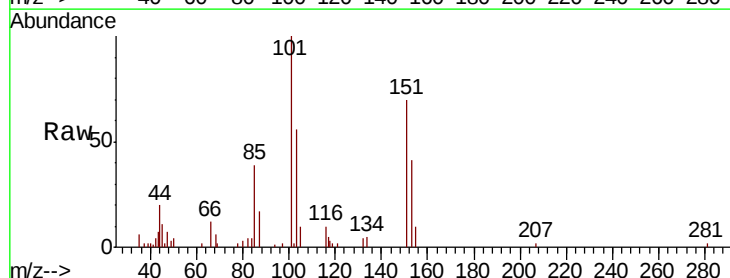
Acq: 19 Aug 2020 11:46

Tgt Ion:101 Resp: 16202

Ion Ratio Lower Upper

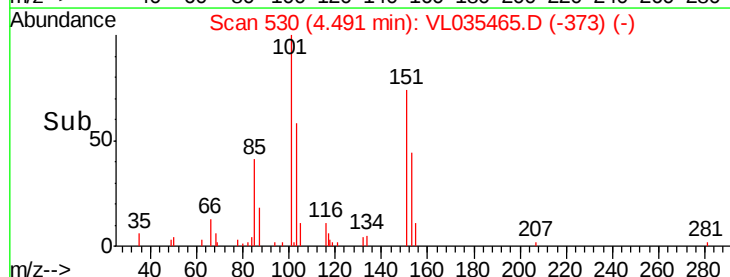
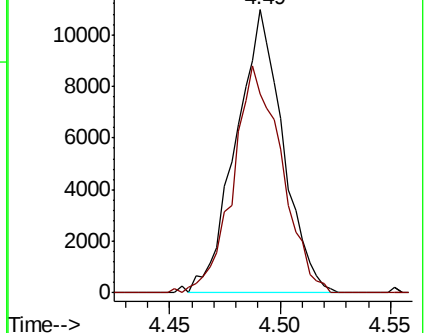
101 100

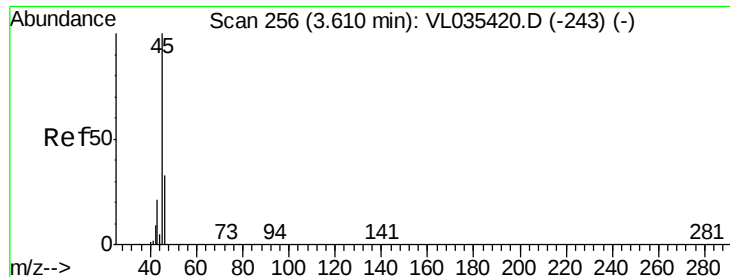
151 82.6 53.6 80.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 62.351 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

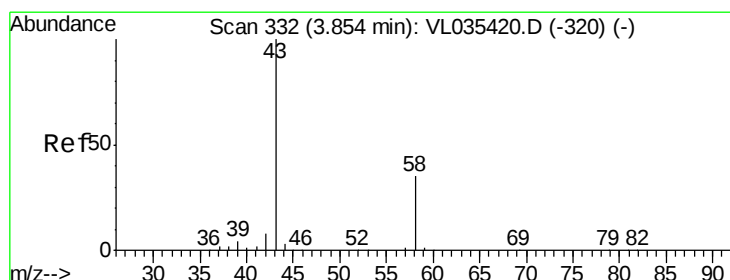
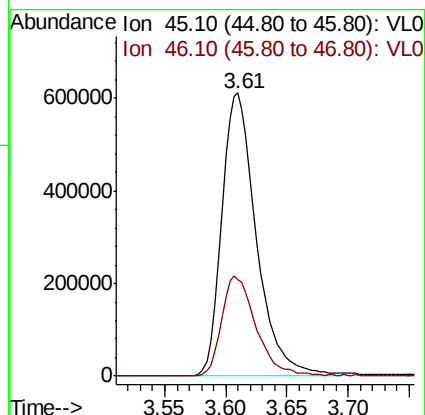
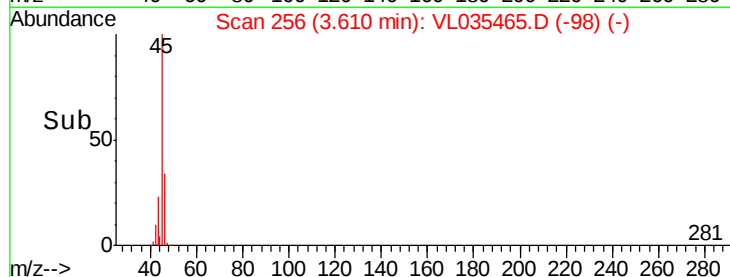
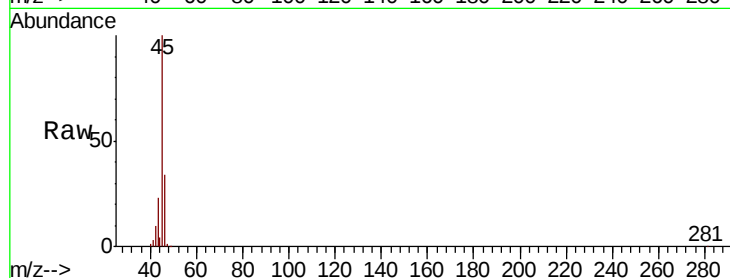
ClientSampleId :

Tot Ion: 45 Resp: 1213270

Ion Ratio Lower Upper

45 100

46 35.9 14.2 56.6



#15

Acetone

Concen: 14.096 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035465.D

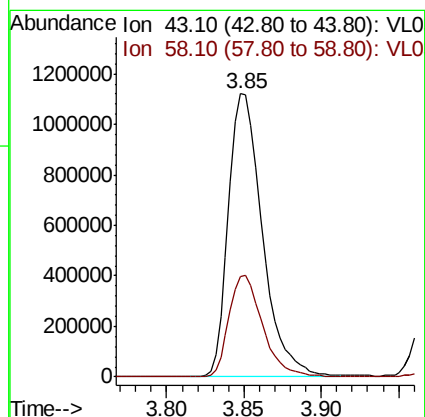
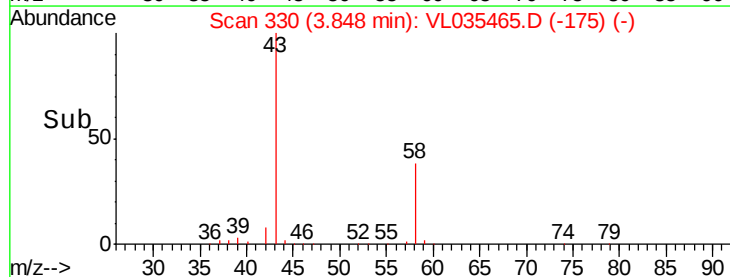
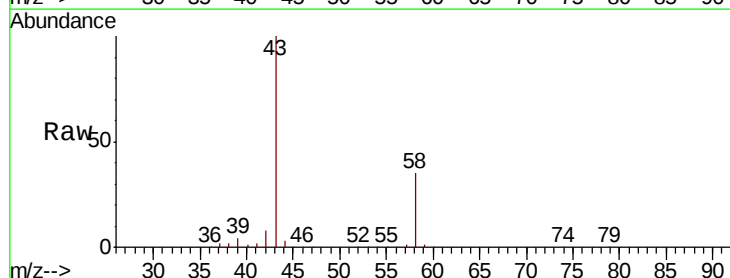
Acq: 19 Aug 2020 11:46

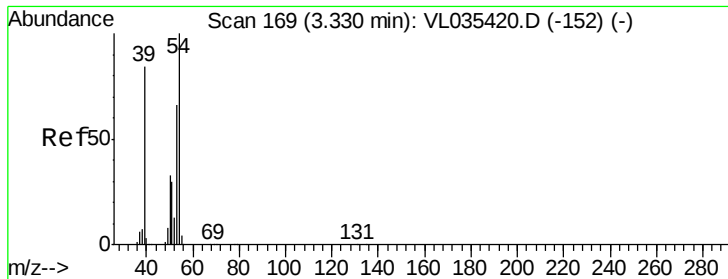
Tgt Ion: 43 Resp: 1709806

Ion Ratio Lower Upper

43 100

58 35.5 21.0 31.6#

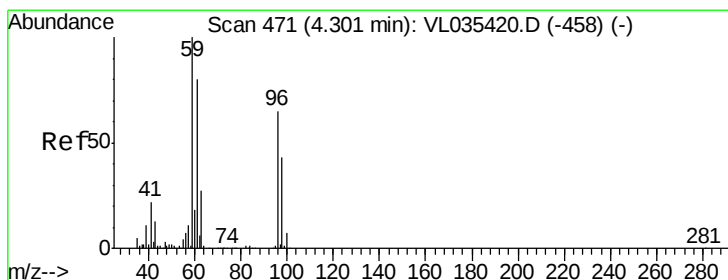
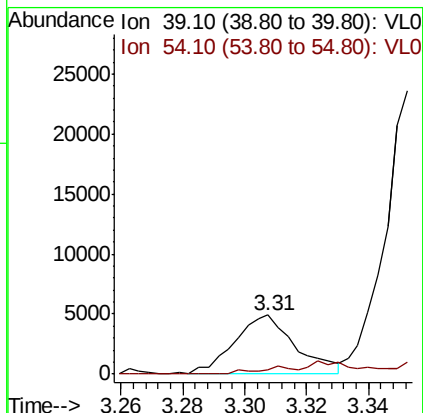
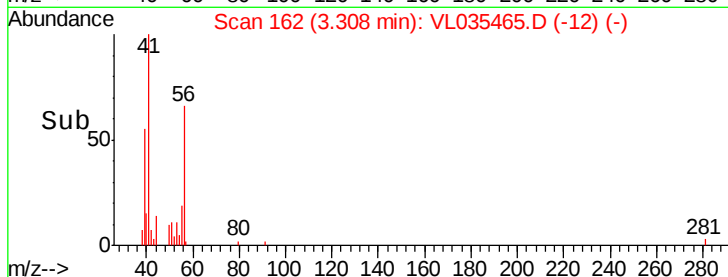
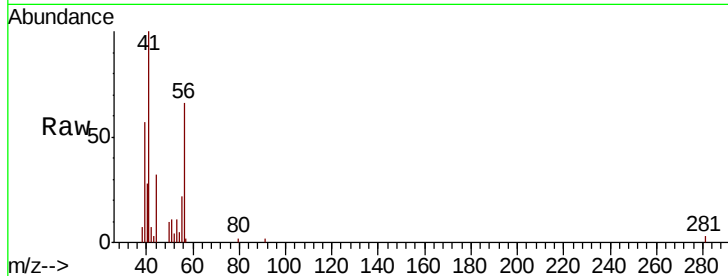




#16
1,3-Butadiene
Concen: 0.139 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

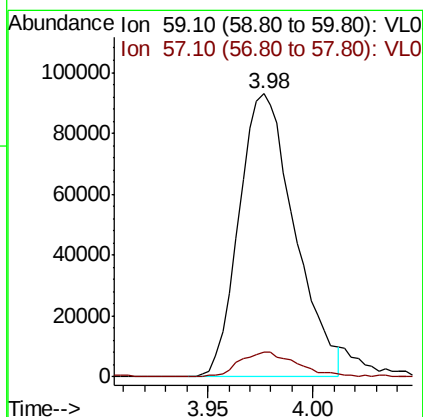
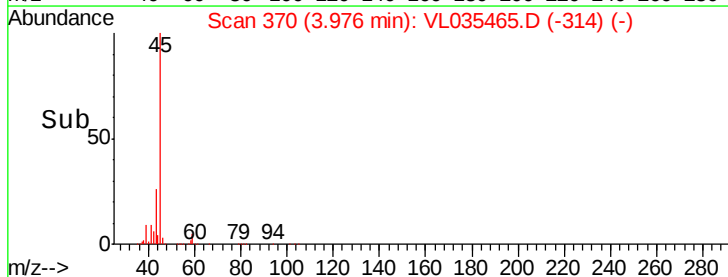
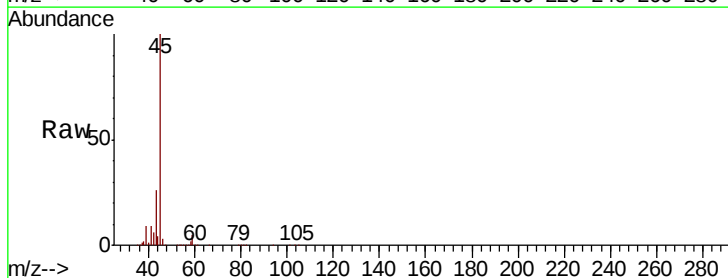
Instrument :
MSVOA_L
ClientSampleId :

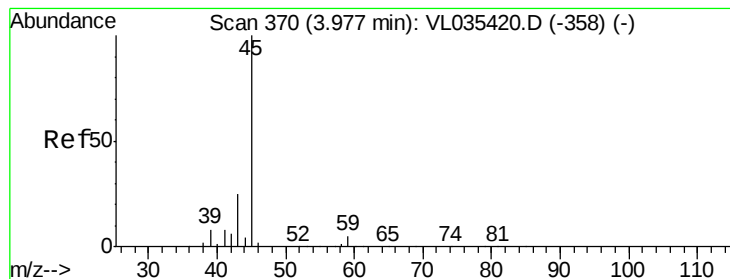
Tot Ion: 39 Resp: 6819
Ion Ratio Lower Upper
39 100
54 36.2 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 1.082 ppbv
RT: 3.98 min Scan# 370
Delta R.T. -0.32 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Tgt Ion: 59 Resp: 169665
Ion Ratio Lower Upper
59 100
57 9.5 8.9 13.3





#19

Isopropyl Alcohol

Concen: 40.510 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

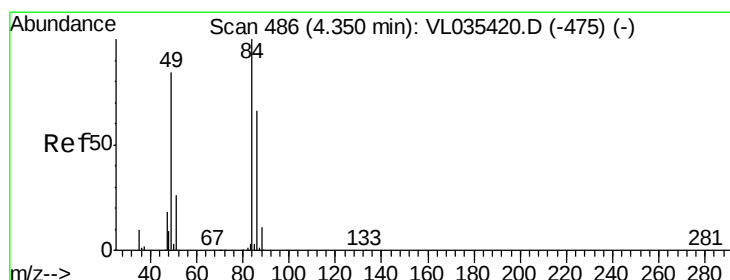
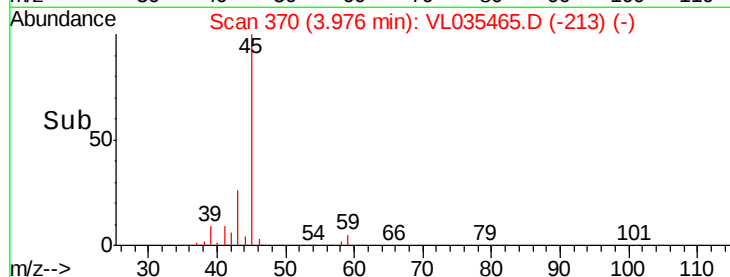
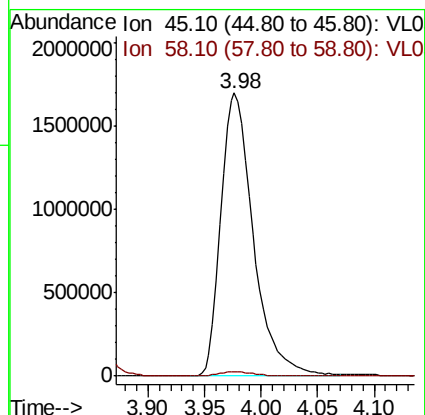
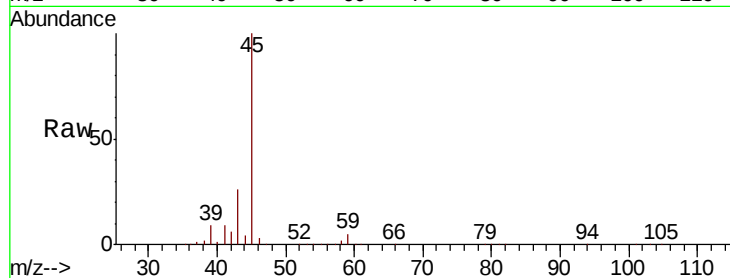
ClientSampleId :

Tot Ion: 45 Resp: 3386811

Ion Ratio Lower Upper

45 100

58 1.9 1.0 1.6#



#20

Methylene Chloride

Concen: 1.626 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Tgt Ion: 84 Resp: 159182

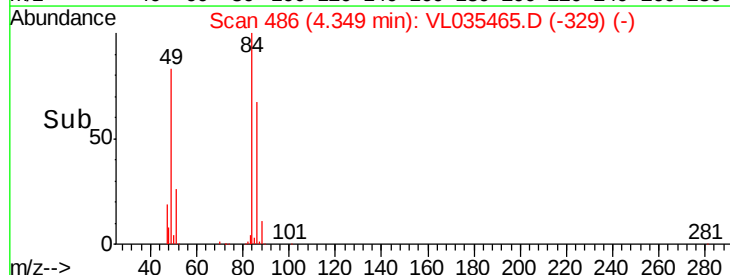
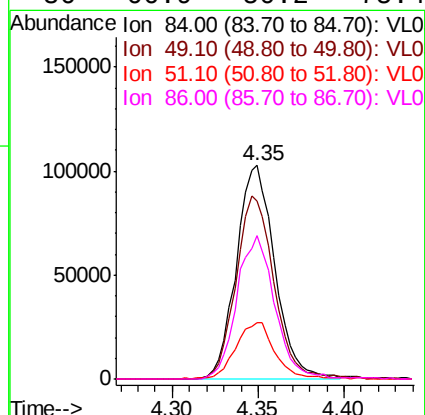
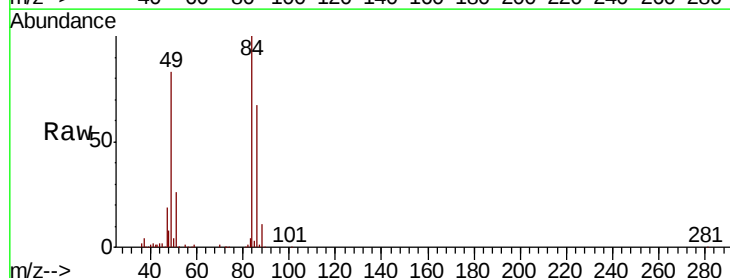
Ion Ratio Lower Upper

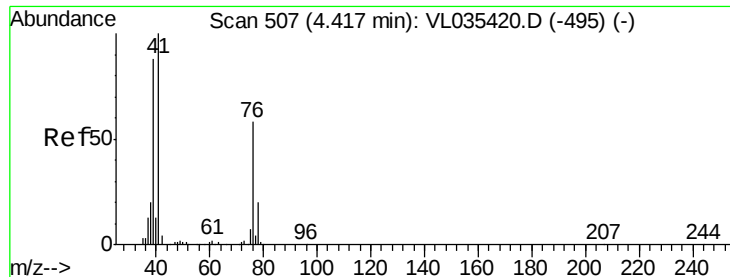
84 100

49 83.2 118.6 177.8#

51 26.3 36.4 54.6#

86 66.9 50.2 75.4

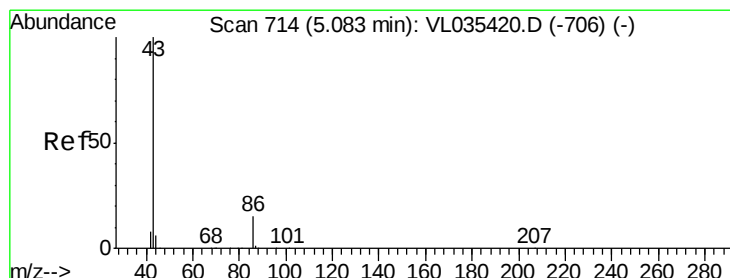
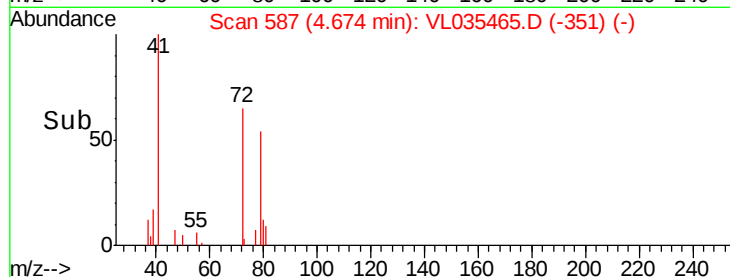
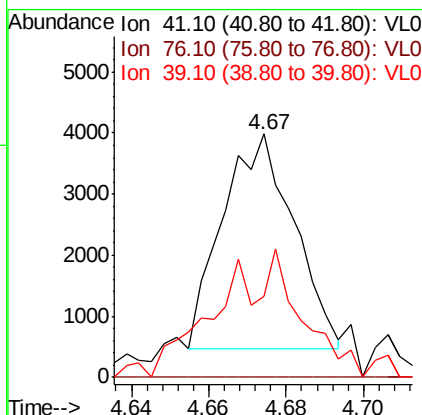
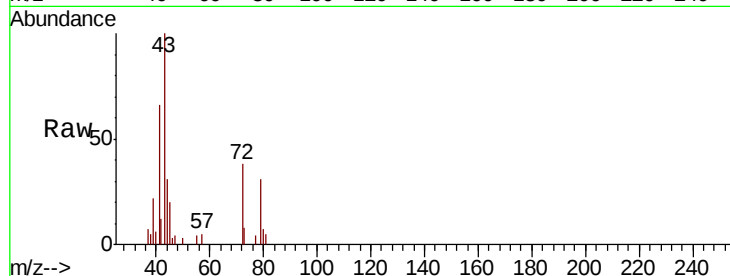




#21
Allvl Chloride
Concen: 0.073 ppbv
RT: 4.67 min Scan# 587
Delta R.T. 0.26 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

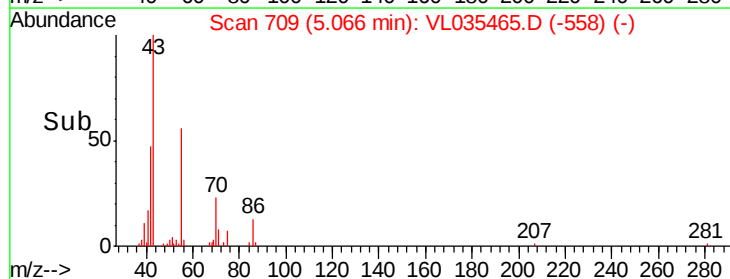
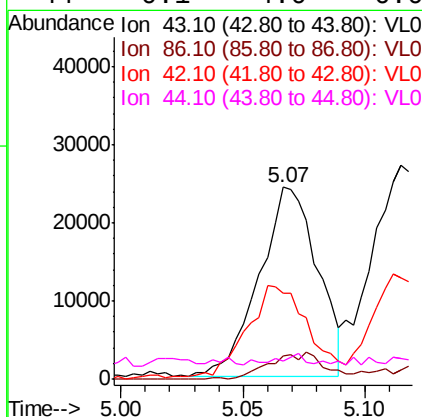
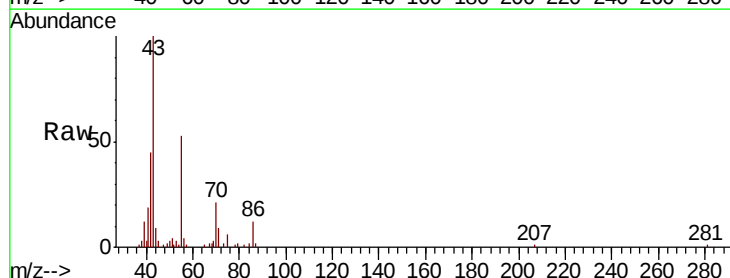
Instrument :
MSVOA_L
ClientSampled :

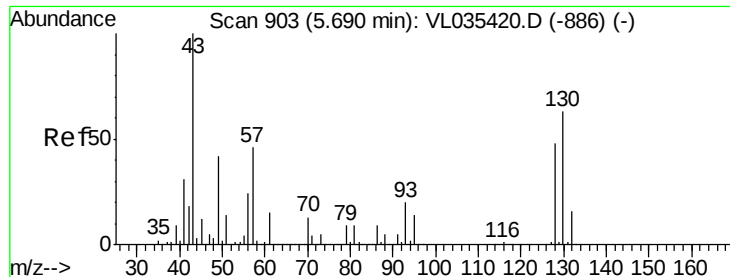
Tot Ion: 41 Resp: 4509
Ion Ratio Lower Upper
41 100
76 207.9 22.8 34.2#
39 0.0 66.2 99.2#



#23
Vinyl Acetate
Concen: 0.232 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Tgt Ion: 43 Resp: 40202
Ion Ratio Lower Upper
43 100
86 12.1 6.5 9.7#
42 44.2 8.3 12.5#
44 0.1 4.0 6.0#





#25

Ethyl Acetate

Concen: 0.475 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 112158

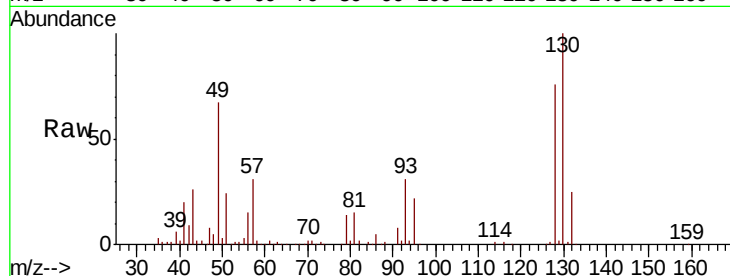
Ion Ratio Lower Upper

43 100

45 10.5 8.3 12.5

61 7.6 7.6 11.4

70 7.4 6.0 9.0



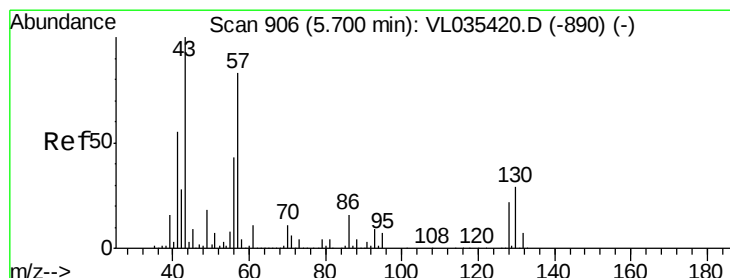
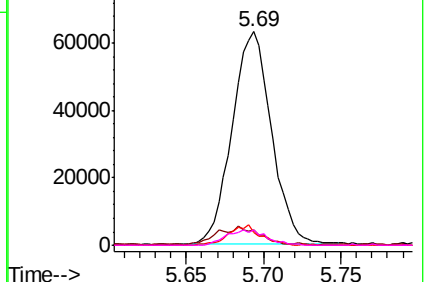
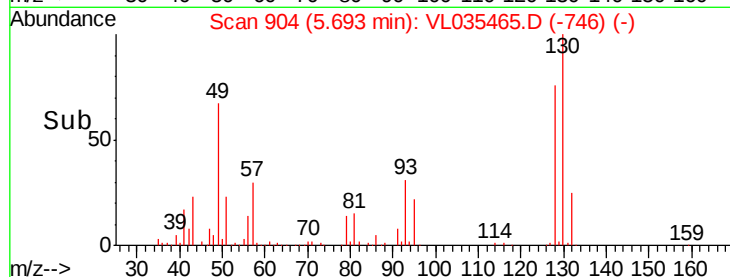
Abundance

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: 0.927 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Tgt Ion: 57 Resp: 123489

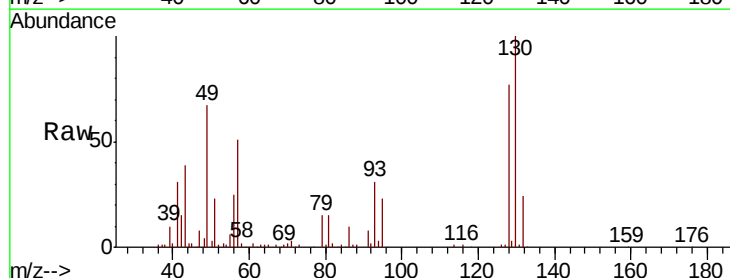
Ion Ratio Lower Upper

57 100

41 67.8 75.5 113.3#

43 91.1 181.7 272.5#

56 52.4 42.4 63.6



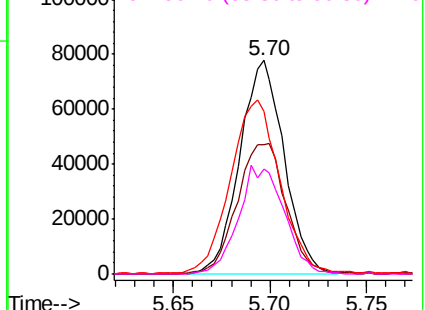
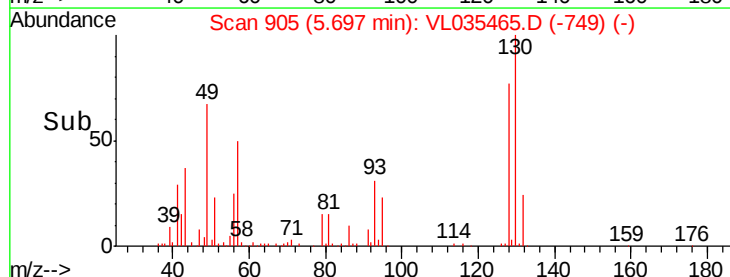
Abundance

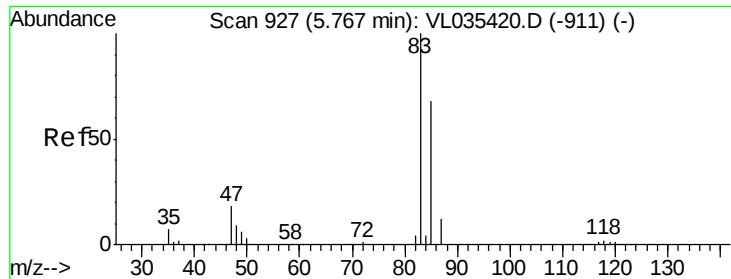
Ion 57.10 (56.80 to 57.80): VL0

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

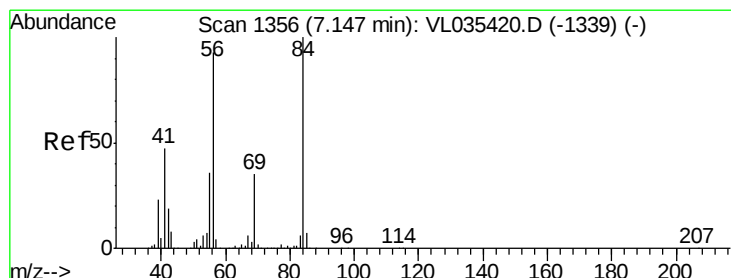
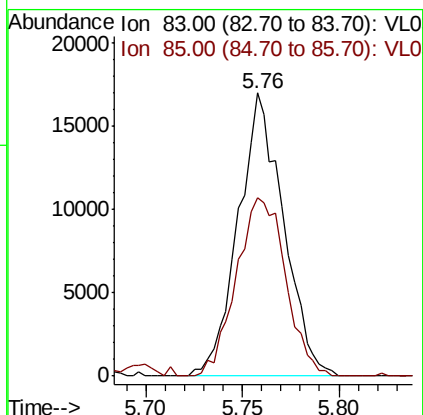
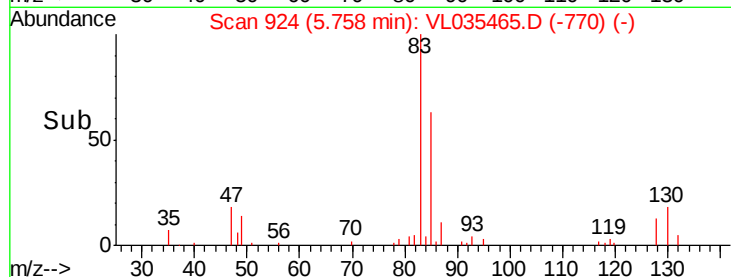
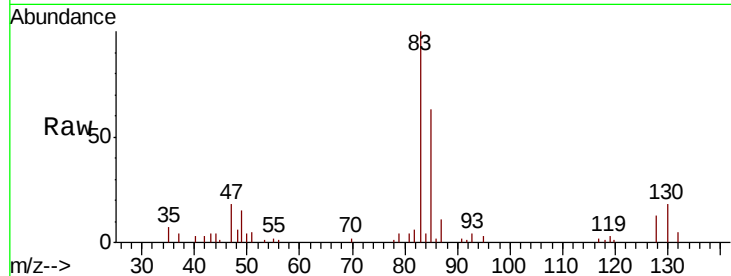




#29
Chloroform
Concen: 0.103 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

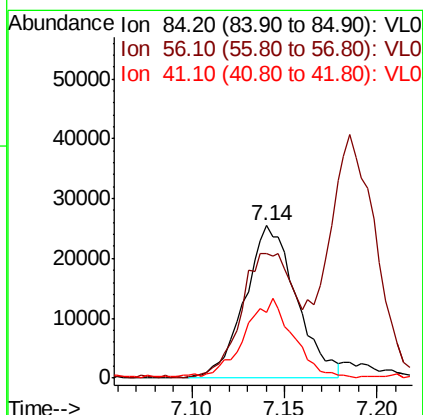
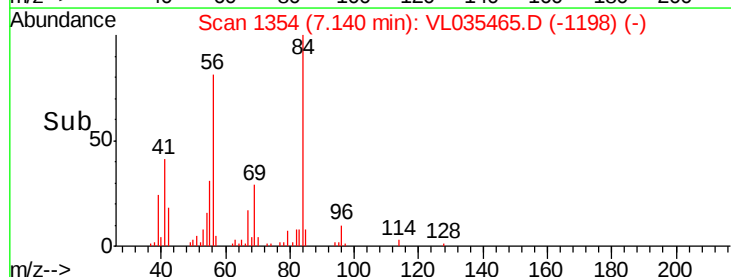
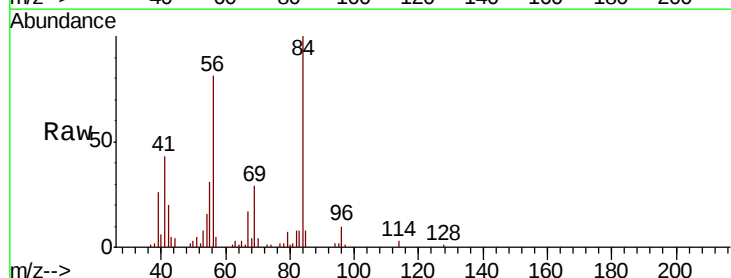
Instrument :
MSVOA_L
ClientSampleId :

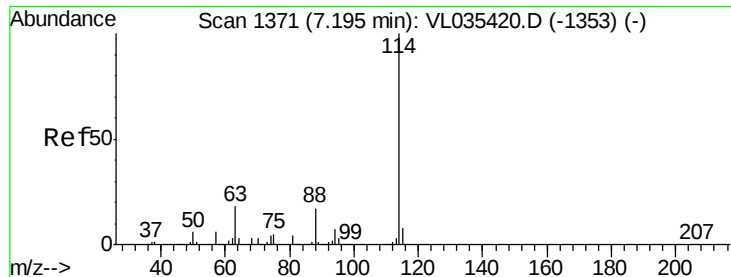
Tot Ion: 83 Resp: 27555
Ion Ratio Lower Upper
83 100
85 63.1 52.7 79.1



#30
Cyclohexane
Concen: 0.334 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Tgt Ion: 84 Resp: 49391
Ion Ratio Lower Upper
84 100
56 93.7 114.9 172.3#
41 51.1 72.3 108.5#

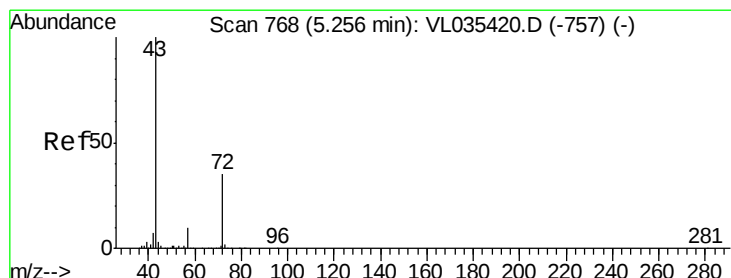
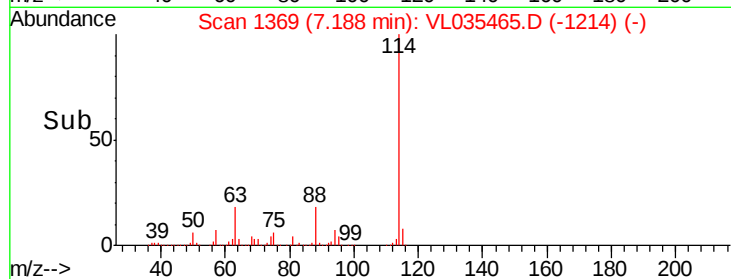
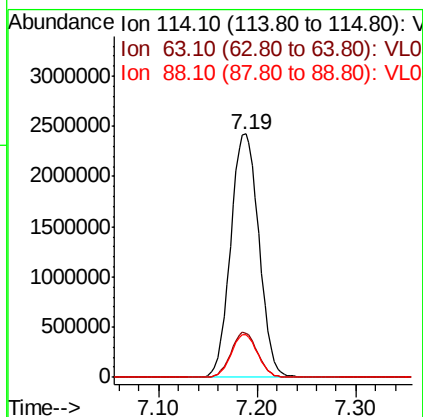
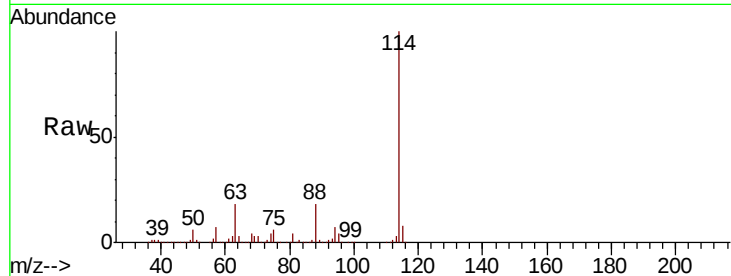




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

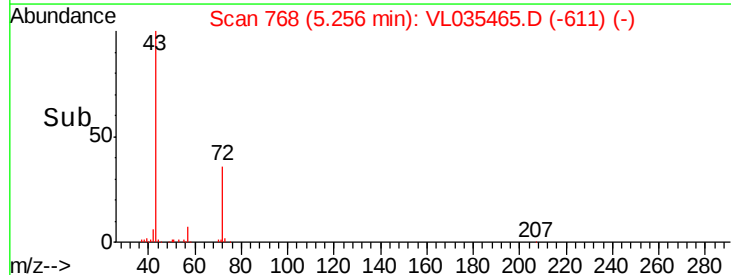
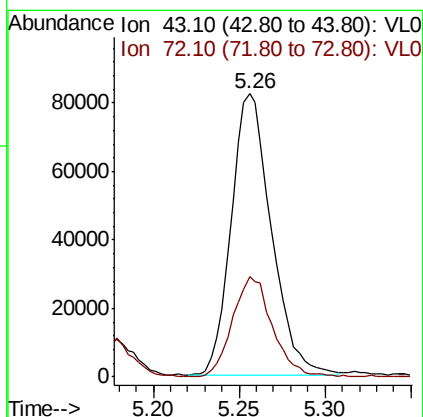
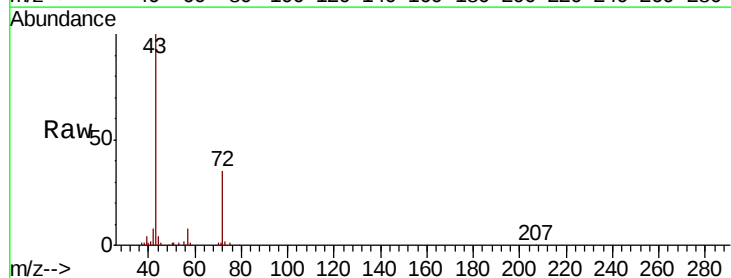
Instrument :
 MSVOA_L
 ClientSampled :

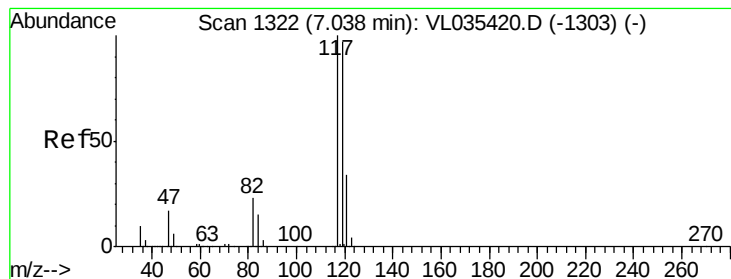
Tot Ion:114 Resp: 4839353
 Ion Ratio Lower Upper
 114 100
 63 17.5 23.1 34.7#
 88 16.4 15.9 23.9



#34
 2-Butanone
 Concen: 0.831 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

Tgt Ion: 43 Resp: 134290
 Ion Ratio Lower Upper
 43 100
 72 34.4 17.6 26.4#





#35

Carbon Tetrachloride

Concen: 0.042 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

ClientSampleId :

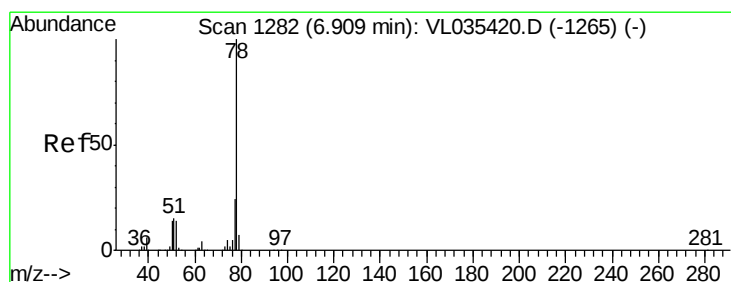
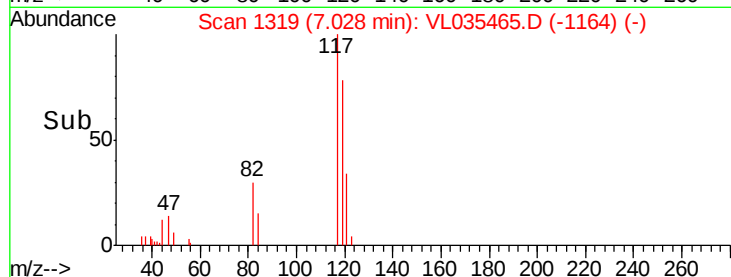
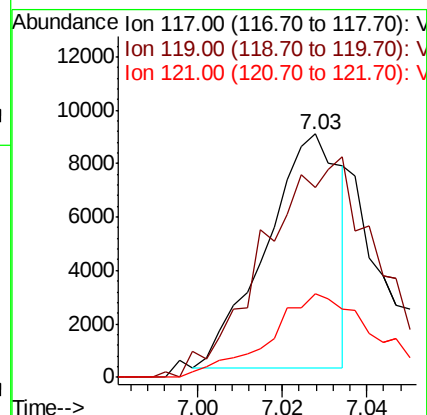
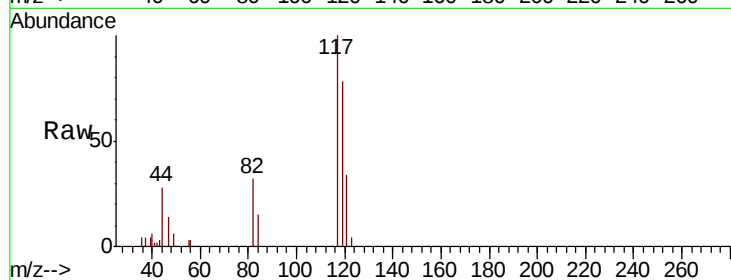
Tot Ion:117 Resp: 10736

Ion Ratio Lower Upper

117 100

119 69.9 76.1 114.1#

121 33.5 25.5 38.3



#36

Benzene

Concen: 0.148 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

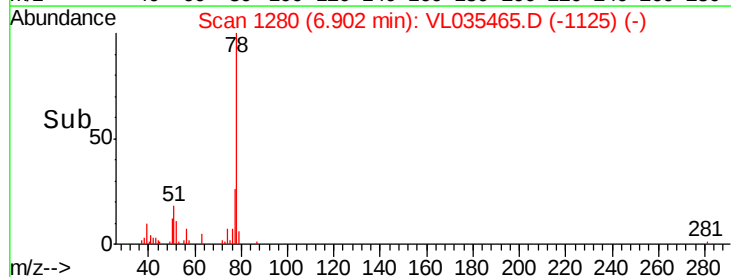
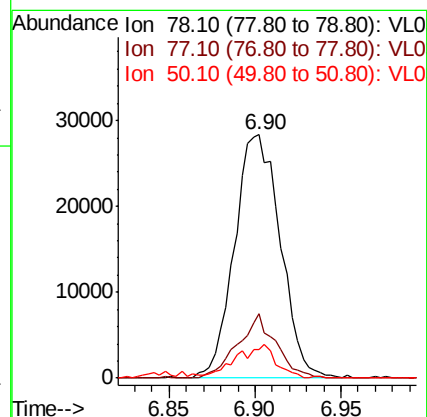
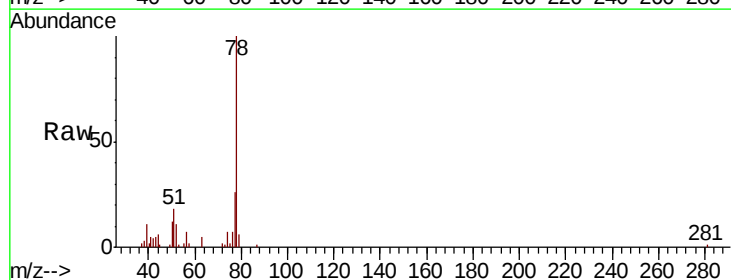
Tgt Ion: 78 Resp: 52525

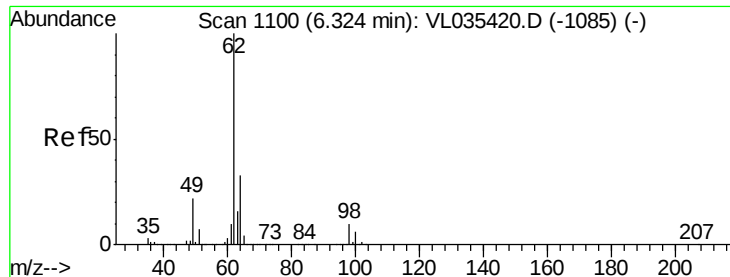
Ion Ratio Lower Upper

78 100

77 26.3 19.6 29.4

50 11.9 16.3 24.5#

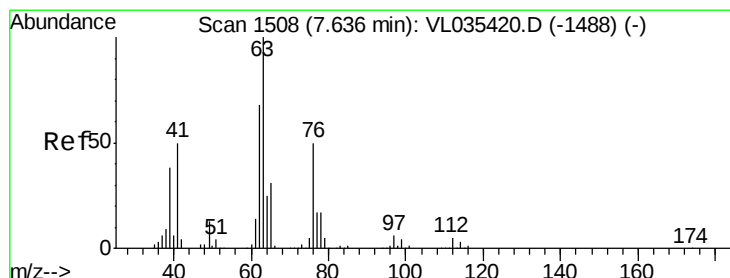
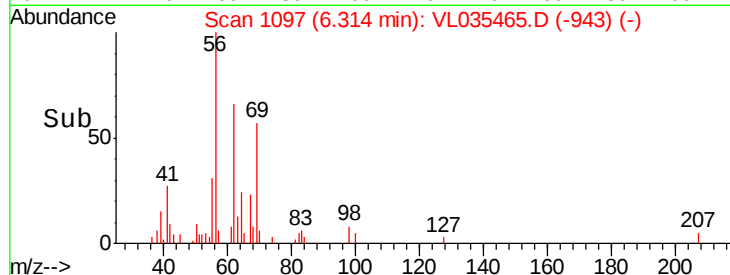
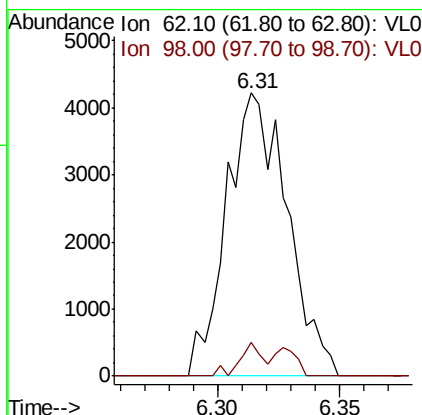
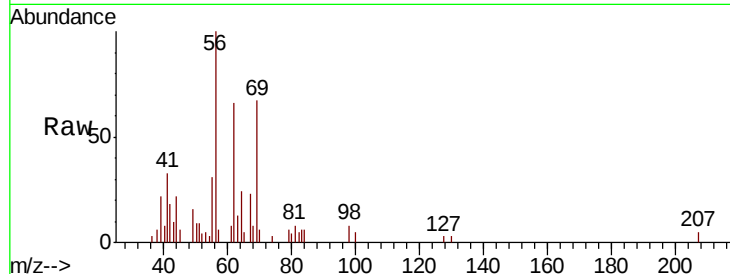




#37
 1,2-Dichloroethane
 Concen: 0.045 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

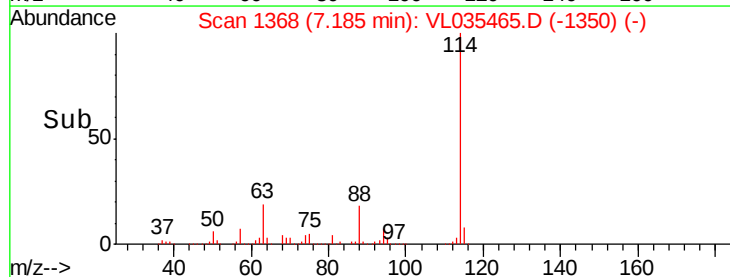
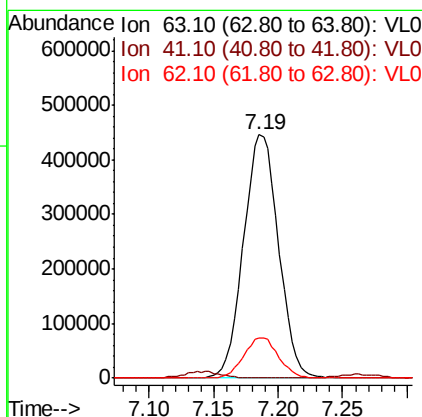
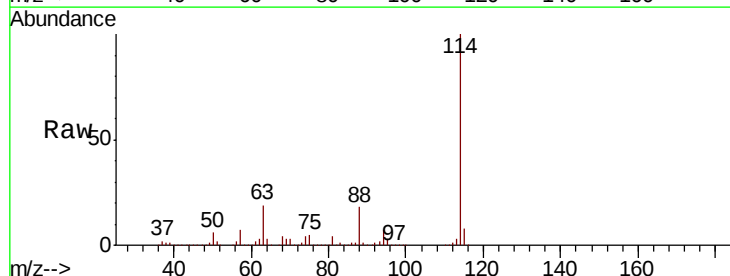
Instrument :
 MSVOA_L
 ClientSampled :

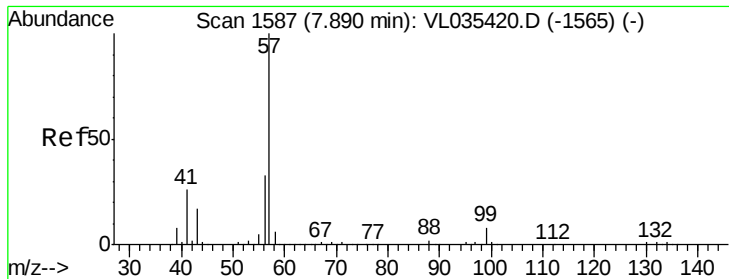
Tot Ion: 62 Resp: 7293
 Ion Ratio Lower Upper
 62 100
 98 8.1 4.6 7.0#



#39
 1,2-Dichloropropane
 Concen: 7.196 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL035465.D
 Acq: 19 Aug 2020 11:46

Tgt Ion: 63 Resp: 842327
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.1 91.7#
 62 16.6 55.3 82.9#





#44

2,2,4-Trimethylpentane

Concen: 0.267 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

ClientSampleId :

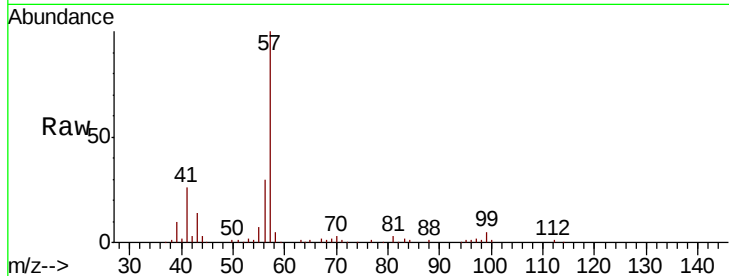
Tot Ion: 57 Resp: 123625

Ion Ratio Lower Upper

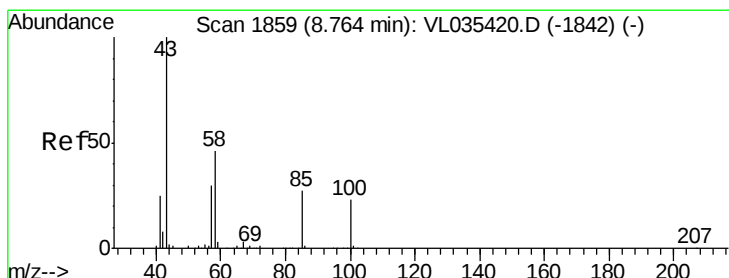
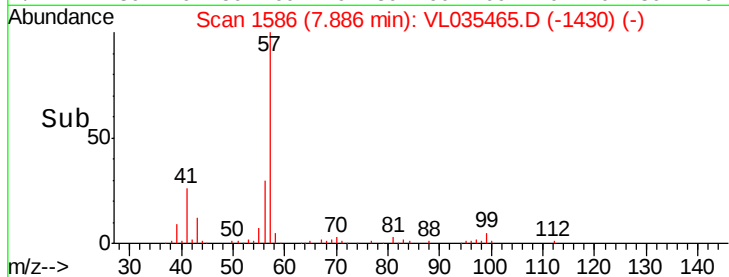
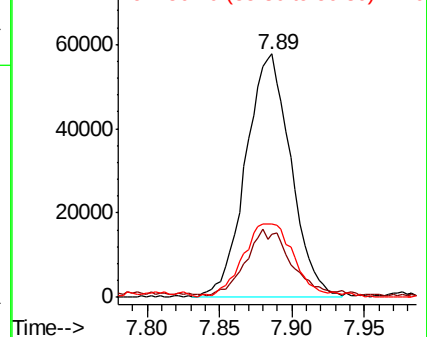
57 100

41 31.5 27.2 40.8

56 35.5 25.4 38.0



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



#50

4-Methyl-2-Pentanone

Concen: 0.784 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035465.D

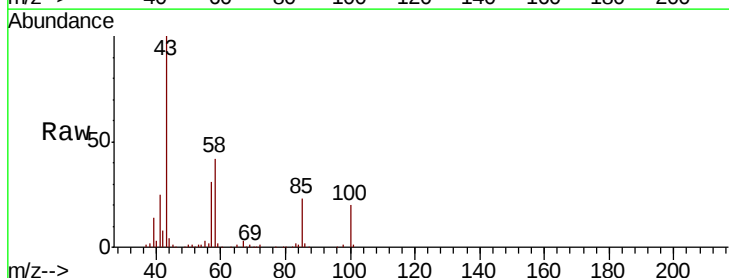
Acq: 19 Aug 2020 11:46

Tgt Ion: 43 Resp: 181795

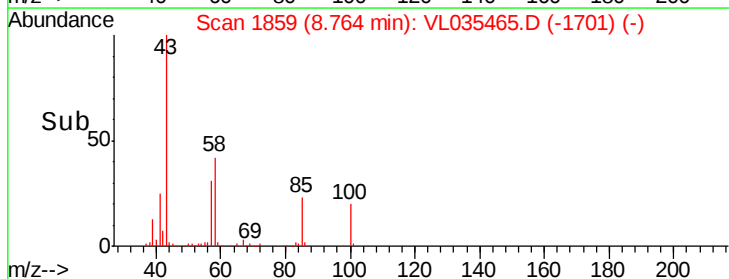
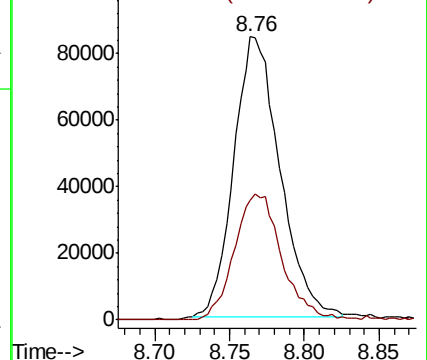
Ion Ratio Lower Upper

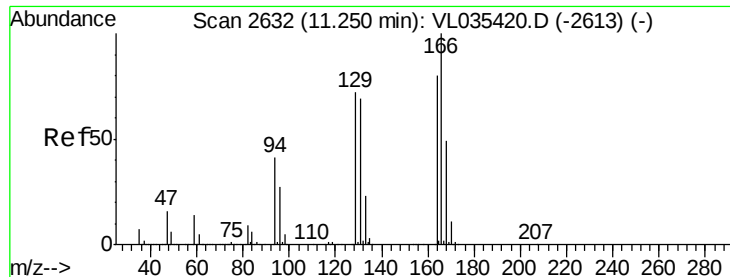
43 100

58 45.9 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#52

Tetrachloroethene

Concen: 0.049 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 10713

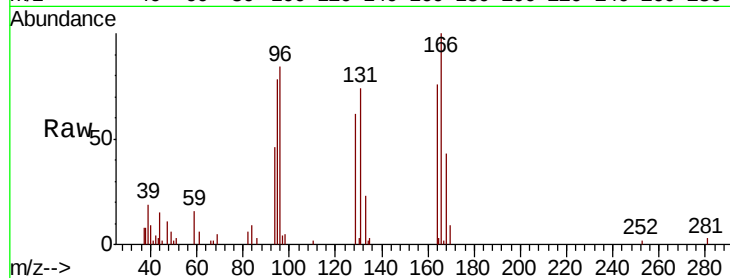
Ion Ratio Lower Upper

164 100

166 131.9 103.4 155.0

129 81.1 90.2 135.4#

131 97.6 91.7 137.5

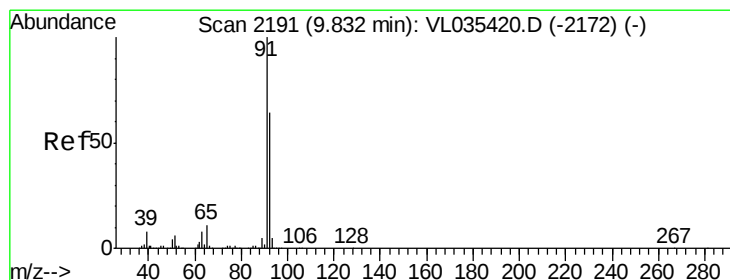
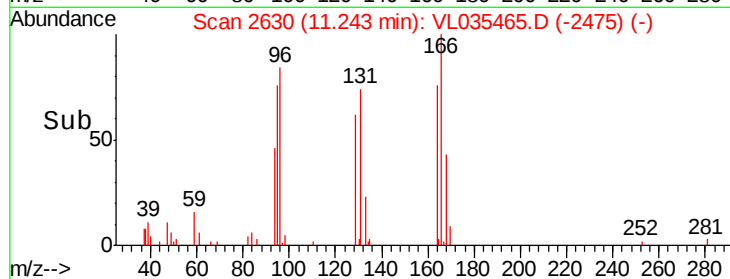
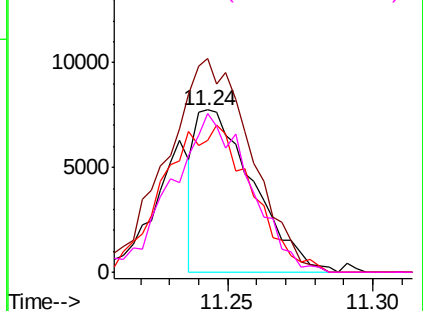


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.141 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035465.D

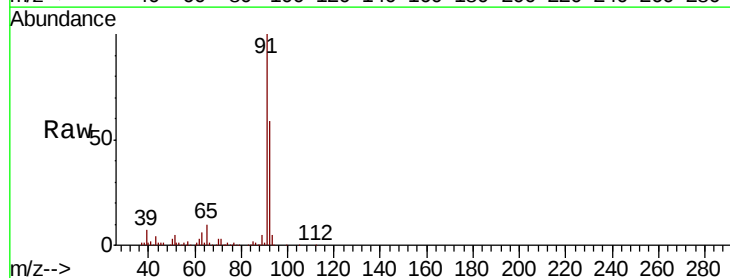
Acq: 19 Aug 2020 11:46

Tgt Ion: 91 Resp: 521933

Ion Ratio Lower Upper

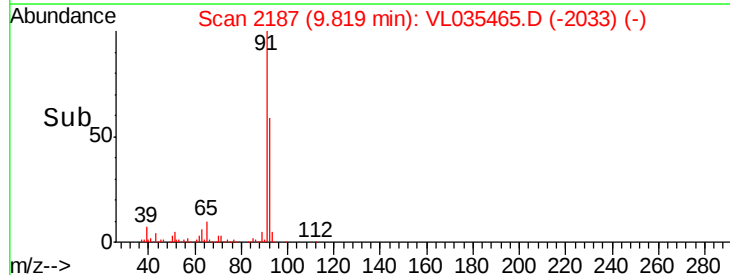
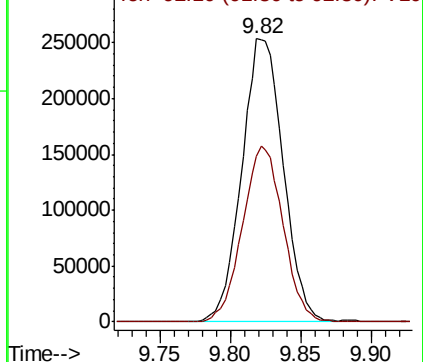
91 100

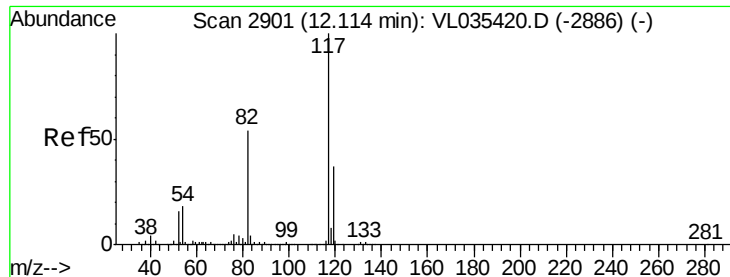
92 60.6 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

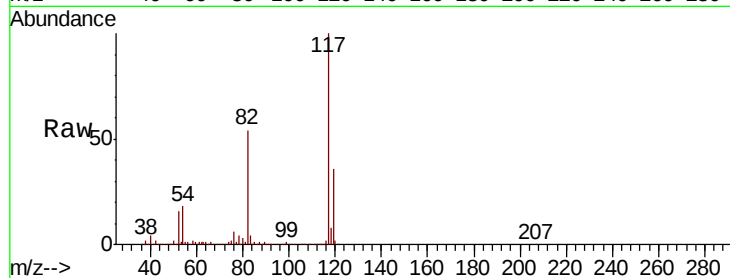




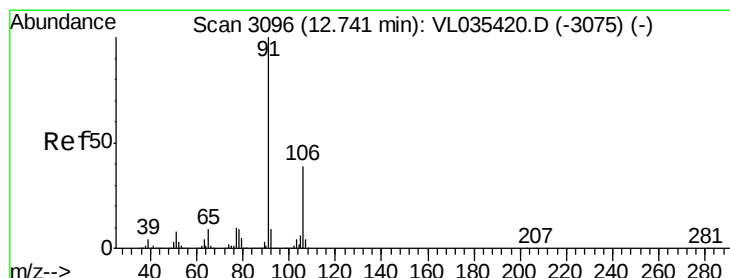
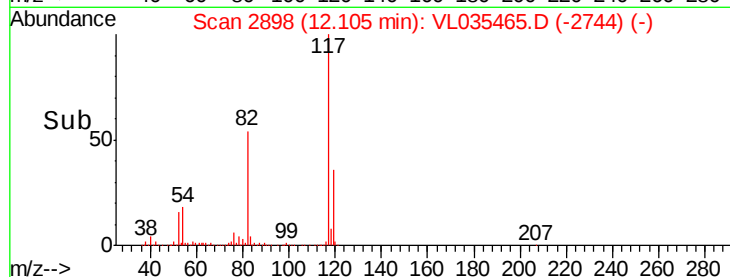
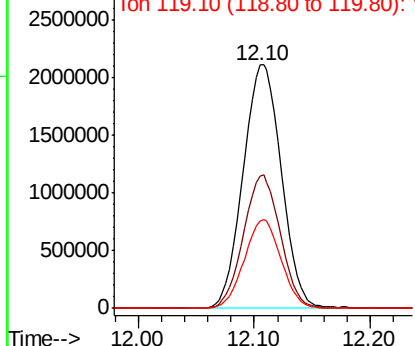
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4828089
Ion Ratio Lower Upper
117 100
82 53.0 57.4 86.0#
119 35.1 28.4 42.6

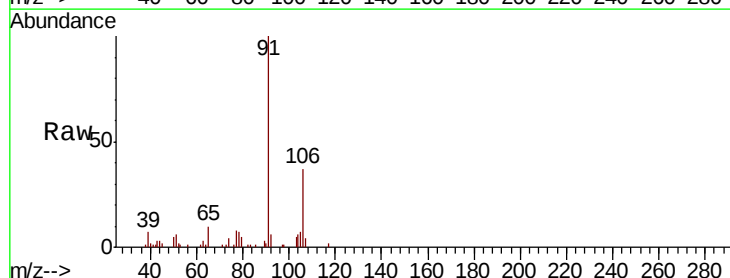


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

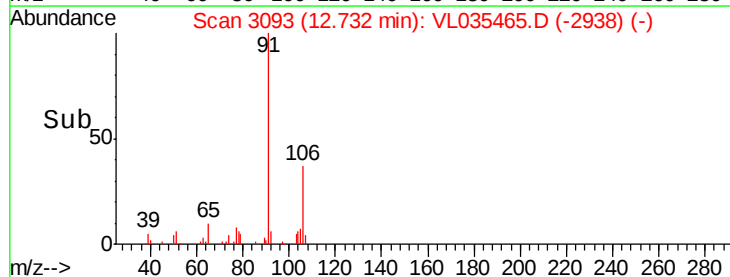
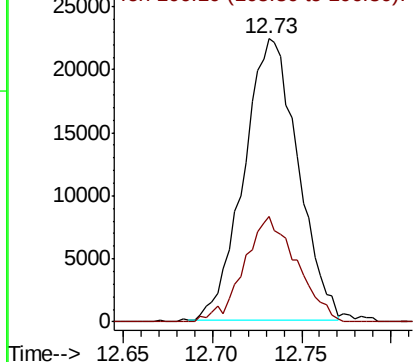


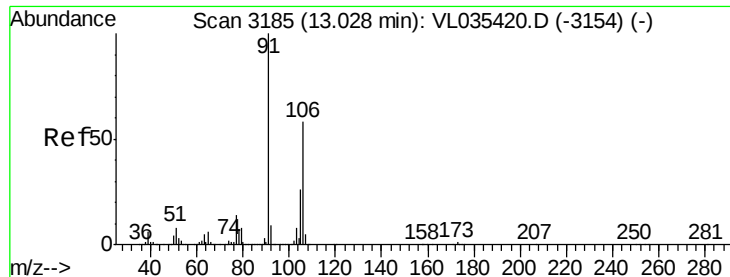
#58
Ethyl Benzene
Concen: 0.081 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Tgt Ion: 91 Resp: 47170
Ion Ratio Lower Upper
91 100
106 37.8 24.1 36.1#



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





#59

m/p-Xylene

Concen: 0.214 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.03 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

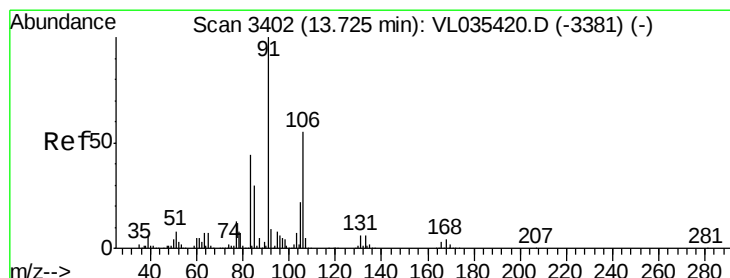
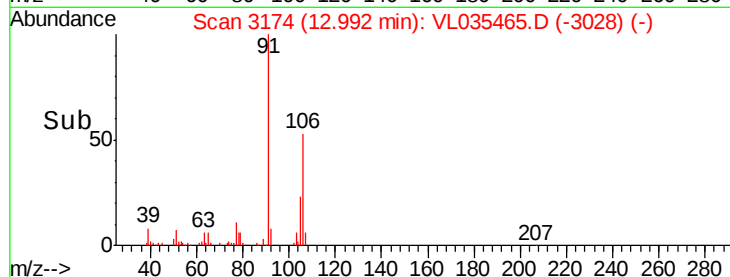
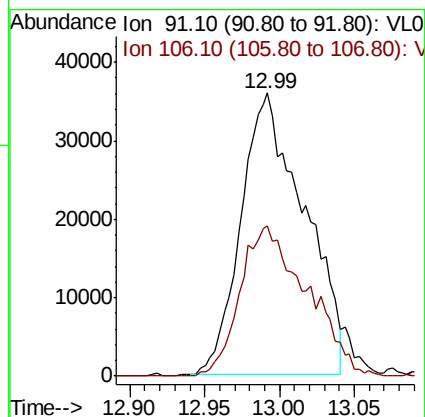
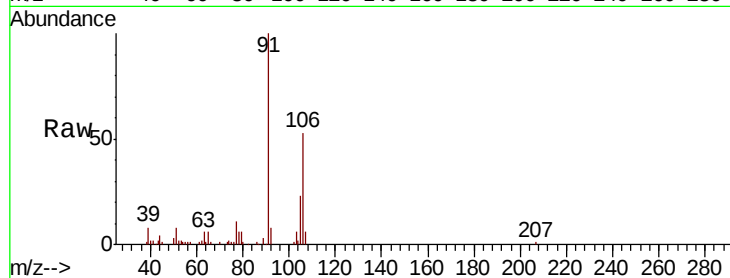
ClientSampleId :

Tot Ion: 91 Resp: 105463

Ion Ratio Lower Upper

91 100

106 56.5 34.0 51.0#



#60

o-Xylene

Concen: 0.093 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035465.D

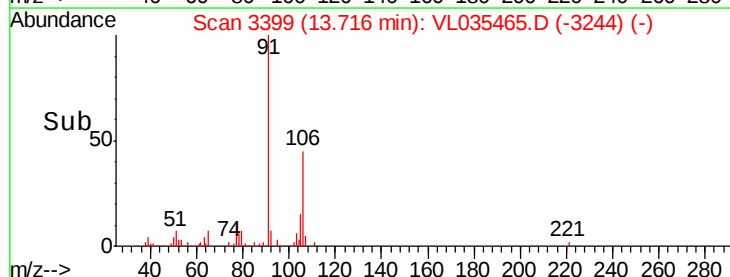
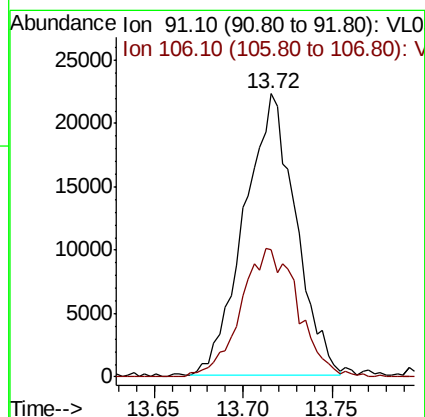
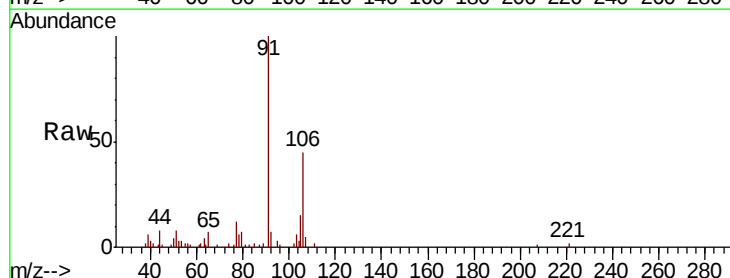
Acq: 19 Aug 2020 11:46

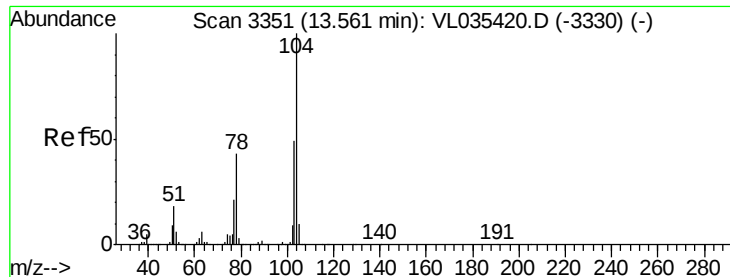
Tgt Ion: 91 Resp: 44675

Ion Ratio Lower Upper

91 100

106 50.8 21.8 65.3

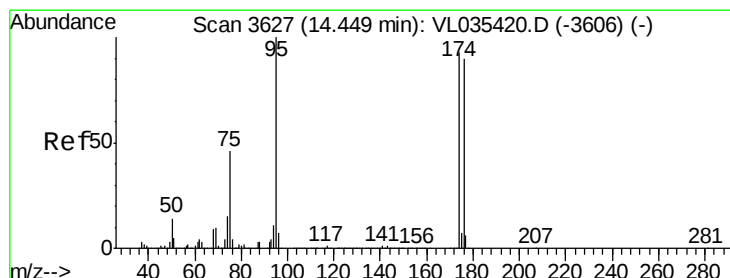
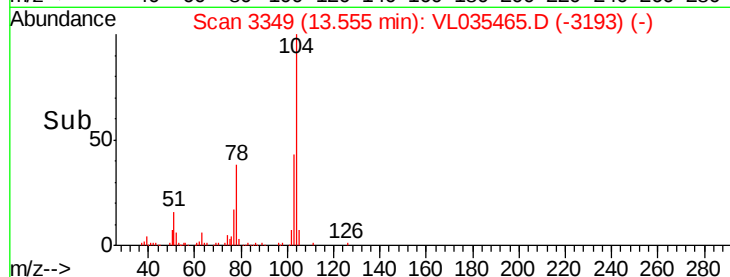
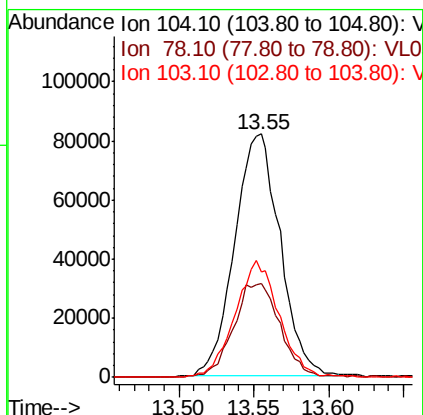
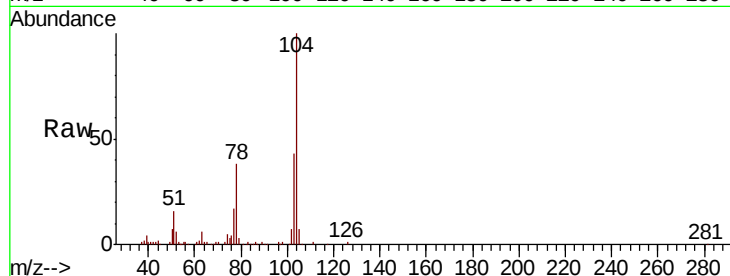




#61
Stvrene
Concen: 0.446 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

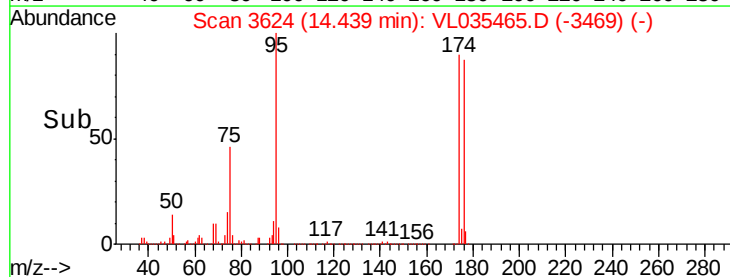
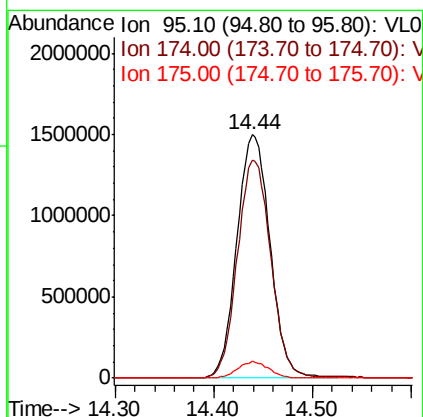
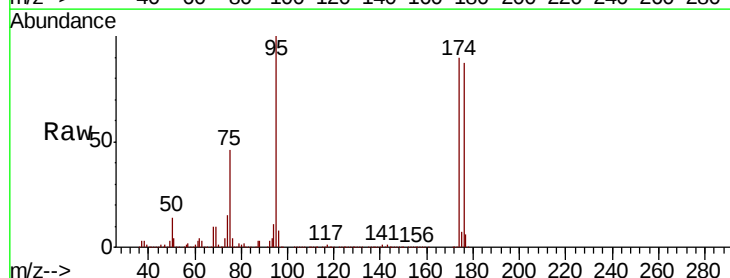
Instrument :
MSVOA_L
ClientSampled :

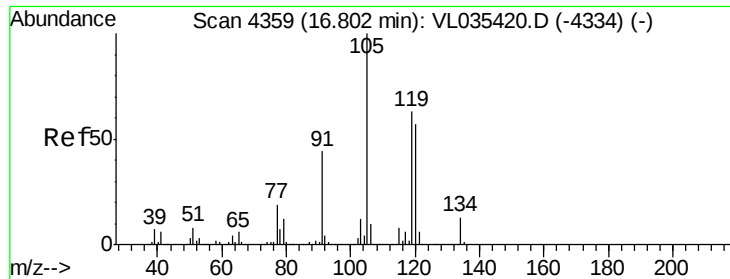
Tot Ion:104 Resp: 172517
Ion Ratio Lower Upper
104 100
78 40.8 45.4 68.2#
103 47.3 37.8 56.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.342 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL035465.D
Acq: 19 Aug 2020 11:46

Tgt Ion: 95 Resp: 3495645
Ion Ratio Lower Upper
95 100
174 90.8 44.0 66.0#
175 6.6 3.2 4.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.130 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 82434

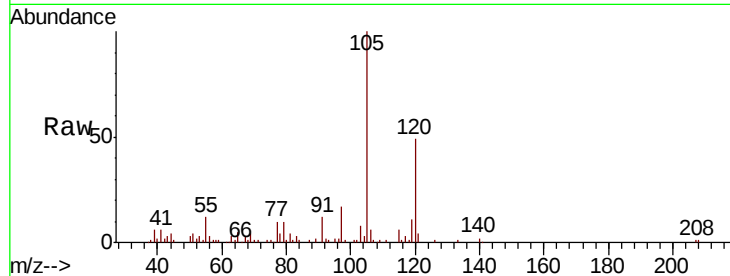
Ion Ratio Lower Upper

105 100

120 48.7 37.8 56.8

91 11.3 40.0 60.0#

77 9.7 18.8 28.2#

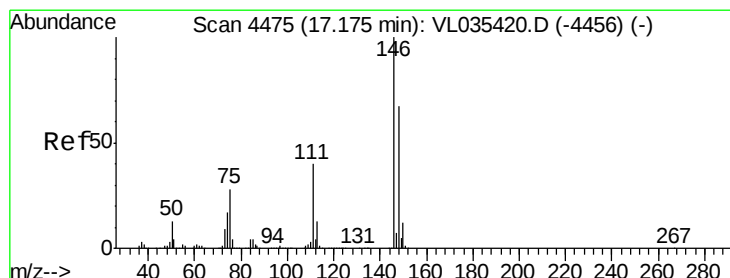
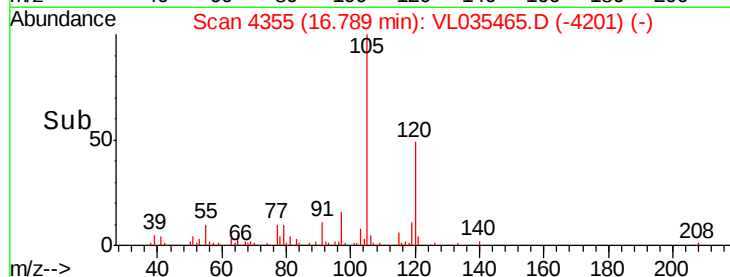
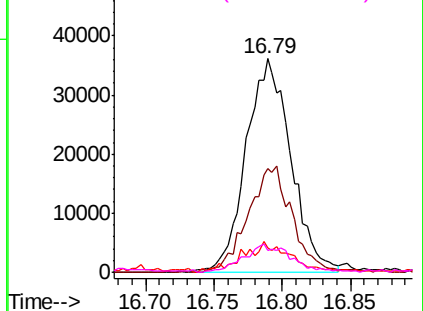


Abundance Ion 105.10 (104.80 to 105.80): V

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



#76

1,4-Dichlorobenzene

Concen: 0.082 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

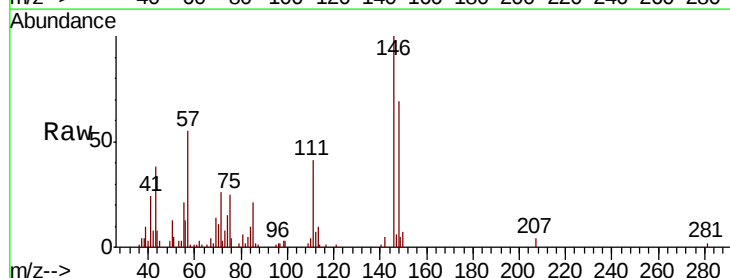
Tgt Ion:146 Resp: 39781

Ion Ratio Lower Upper

146 100

111 48.3 24.8 74.4

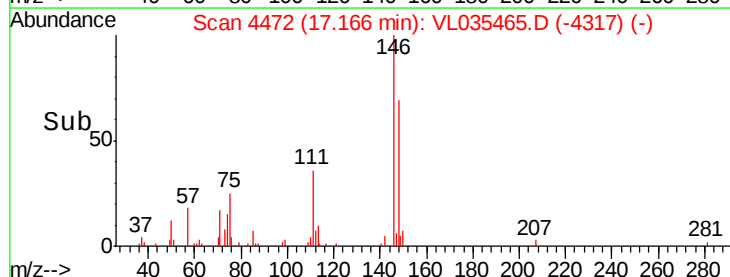
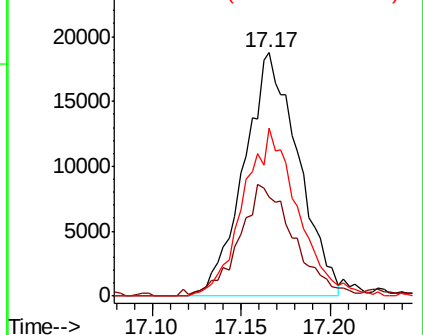
148 69.5 32.1 96.3

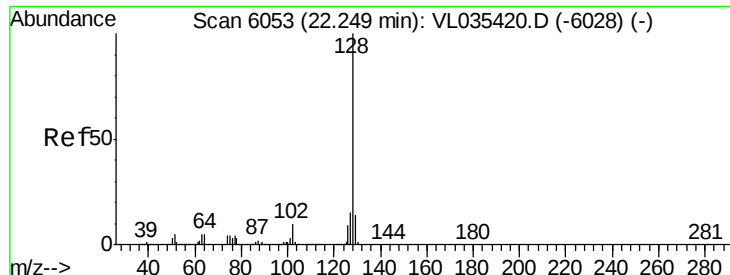


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.036 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.01 min

Lab File: VL035465.D

Acq: 19 Aug 2020 11:46

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 32348

Ion Ratio Lower Upper

128 100

127 12.9 11.4 17.0

129 9.6 9.5 14.3

