

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037466.D
 Acq On : 16 Aug 2021 18:03
 Operator : SY/AP
 Sample : M3277-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:22:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1355097	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4094791	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3380876	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2663167	11.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

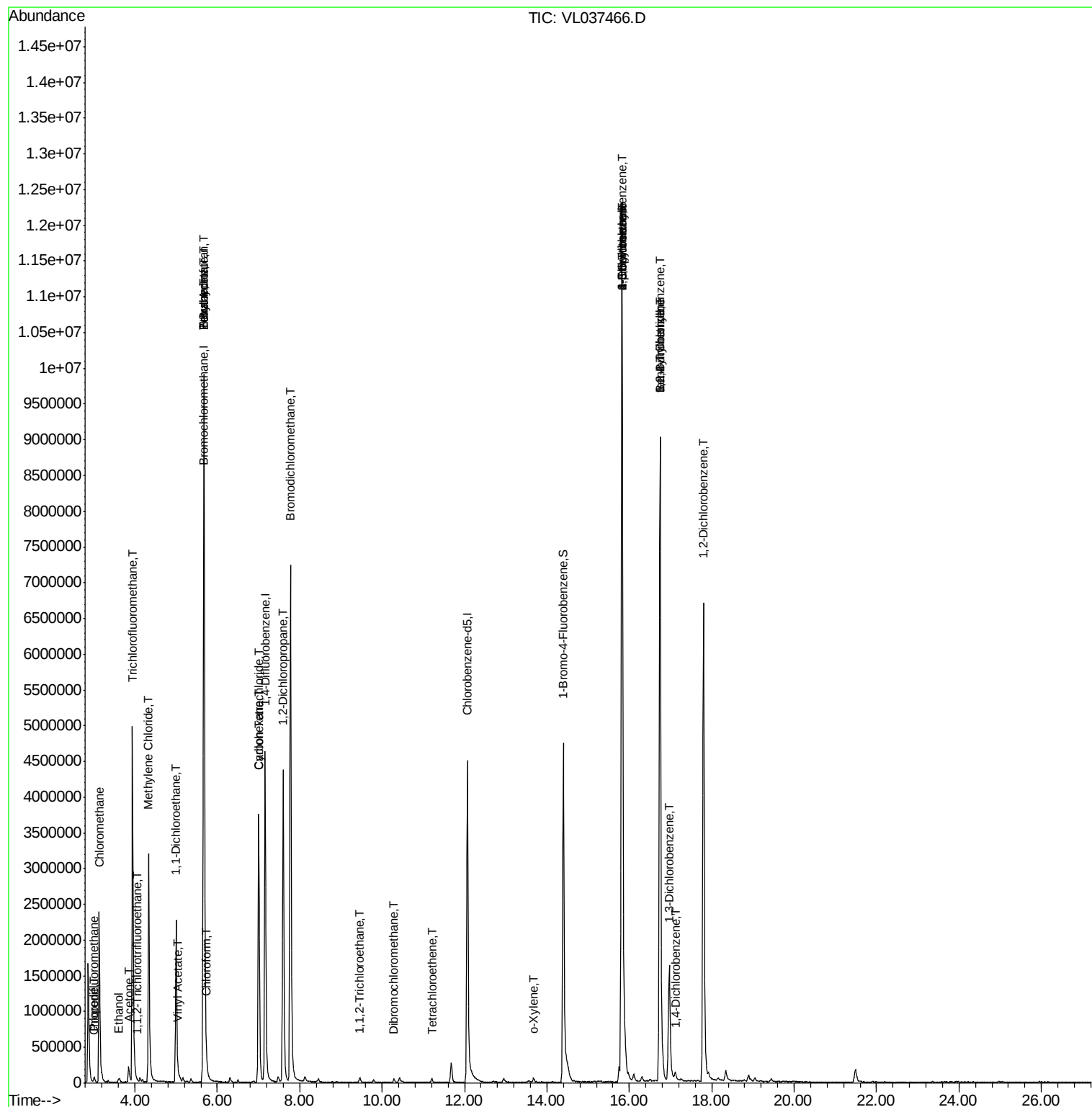
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.98	51	18869	0.073 ppbv	93
4) Chloromethane	3.13	50	2838214	30.608 ppbv	93
9) Propene	3.00	41	3810	0.041 ppbv #	16
11) Trichlorofluoromethane	3.94	101	4119525	20.185 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.06	101	8456	0.056 ppbv #	11
13) Ethanol	3.61	45	47229	5.228 ppbv #	34
15) Acetone	3.84	43	260797	1.891 ppbv	100
20) Methylene Chloride	4.34	84	1377844	19.955 ppbv	97
23) Vinyl Acetate	5.06	43	12163	0.060 ppbv #	72
24) 1,1-Dichloroethane	5.00	63	2389607	16.208 ppbv	98
25) Ethyl Acetate	5.67	43	3149701	8.997 ppbv #	76
26) Hexane	5.67	57	4483788	26.194 ppbv #	45
29) Chloroform	5.74	83	30503	0.126 ppbv #	78
30) Cyclohexane	7.01	84	421255	2.954 ppbv #	6
34) 2-Butanone	5.67	43	3014605	18.029 ppbv #	54
35) Carbon Tetrachloride	7.01	117	2594842	10.723 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1846330	13.959 ppbv	94
41) Tetrahydrofuran	5.67	42	1641465	20.378 ppbv #	49
42) Bromodichloromethane	7.78	83	5746393	23.048 ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	7120	0.050 ppbv	94
48) Dibromochloromethane	10.29	129	9764	0.047 ppbv #	9
52) Tetrachloroethene	11.21	164	5717	0.041 ppbv #	38
60) o-Xylene	13.67	91	35635	0.094 ppbv	71
64) n-propylbenzene	15.82	120	3789109	27.790 ppbv #	1
65) tert-Butylbenzene	16.75	119	937418	1.921 ppbv #	68
66) Benzyl Chloride	16.74	91	928019	42.043 ppbv #	63
71) 2-Chlorotoluene	15.82	91	1539545	3.918 ppbv #	41
72) 4-Ethyltoluene	15.82	105	12463743	27.602 ppbv	97
73) 1,3,5-Trimethylbenzene	15.82	105	12463743	29.653 ppbv #	80
74) 1,2,4-Trimethylbenzene	16.74	105	8156243	18.261 ppbv #	68
75) 1,3-Dichlorobenzene	16.98	146	35417	0.132 ppbv #	1
76) 1,4-Dichlorobenzene	17.12	146	24761	0.091 ppbv #	52
77) 1,2-Dichlorobenzene	17.80	146	4118890	15.558 ppbv	99

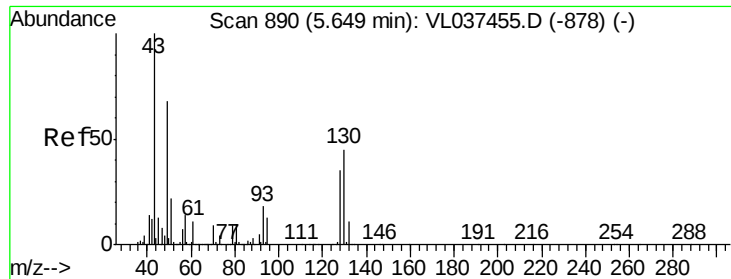
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

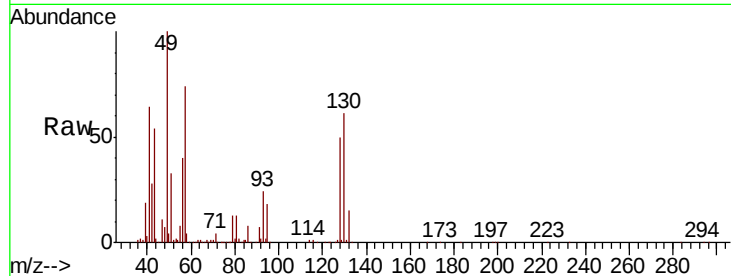
Tot Ion: 49 Resp: 1355097

Ion Ratio Lower Upper

49 100

128 54.0 27.5 82.4

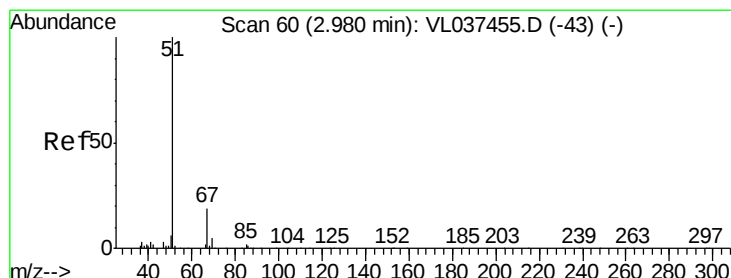
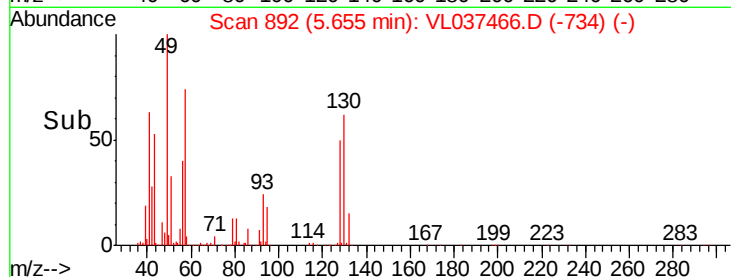
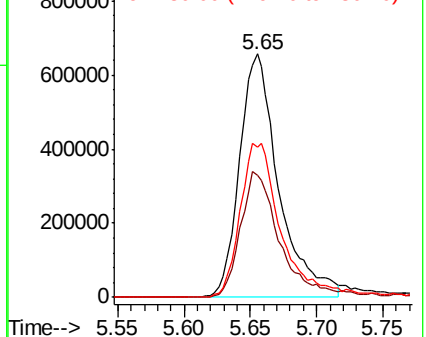
130 67.8 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.073 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL037466.D

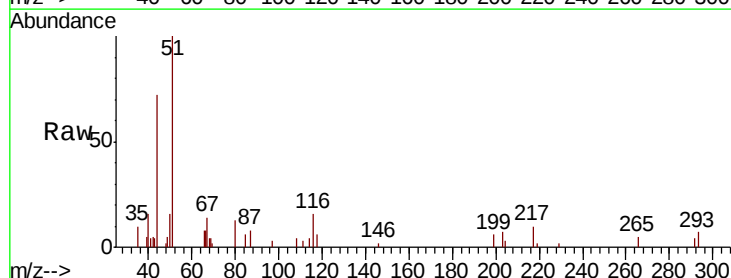
Acq: 16 Aug 2021 18:03

Tgt Ion: 51 Resp: 18869

Ion Ratio Lower Upper

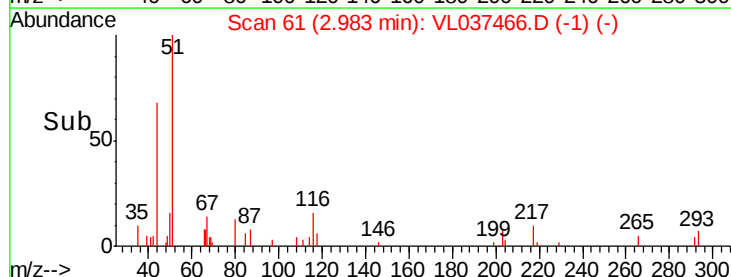
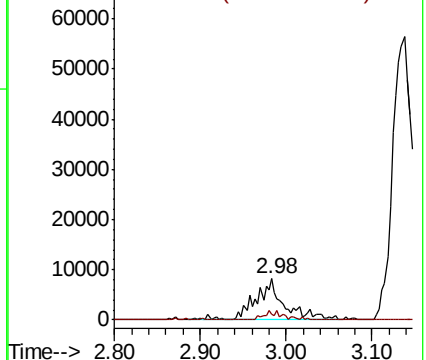
51 100

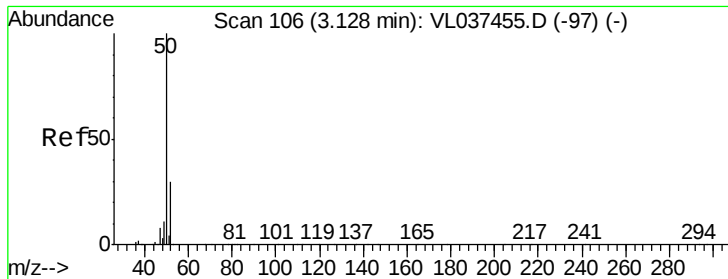
67 14.5 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 30.608 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

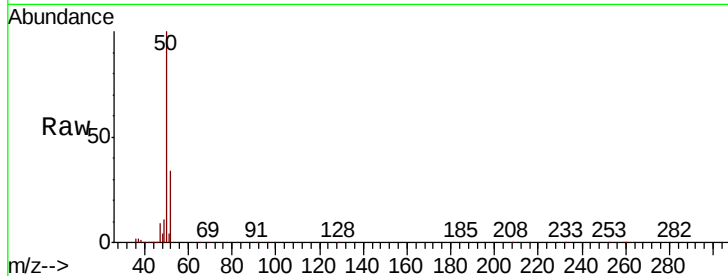
ClientSampleId :

Tot Ion: 50 Resp: 2838214

Ion Ratio Lower Upper

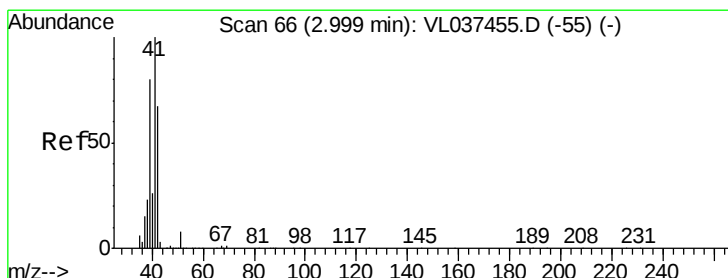
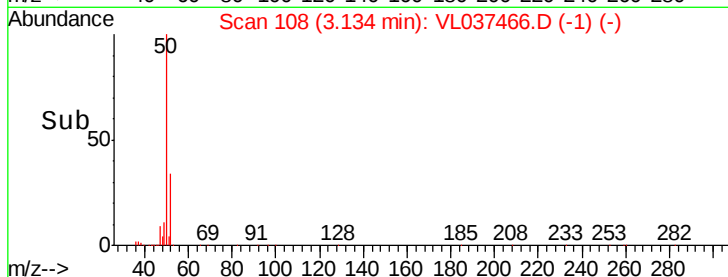
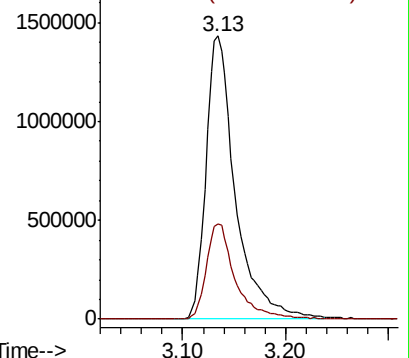
50 100

52 33.7 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.041 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037466.D

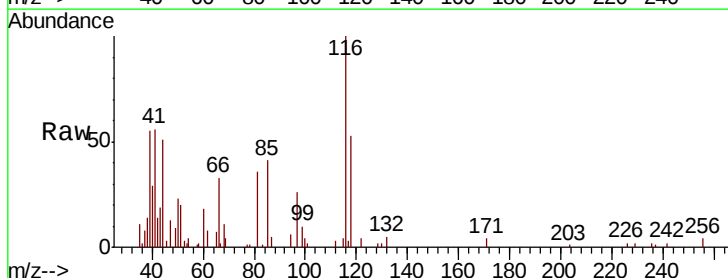
Acq: 16 Aug 2021 18:03

Tgt Ion: 41 Resp: 3810

Ion Ratio Lower Upper

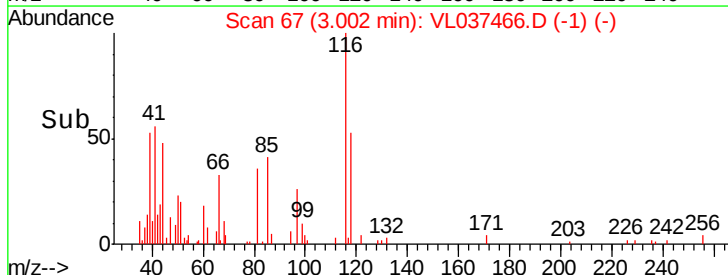
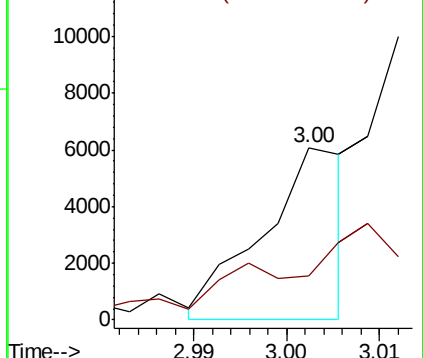
41 100

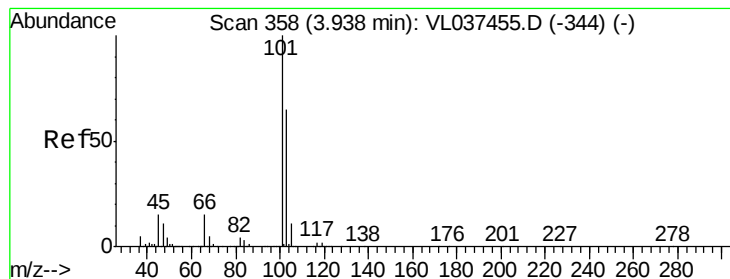
42 0.0 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 20.185 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

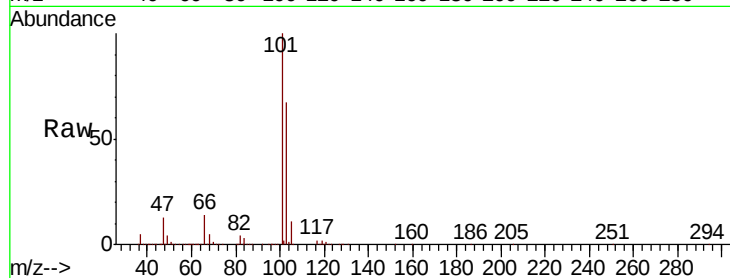
ClientSampleId :

Tot Ion:101 Resp: 4119525

Ion Ratio Lower Upper

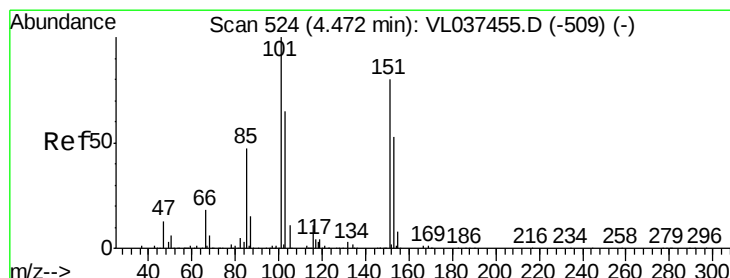
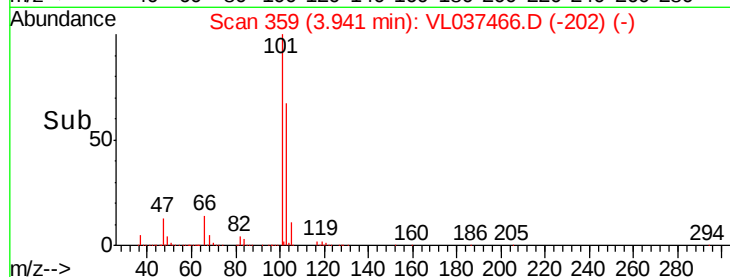
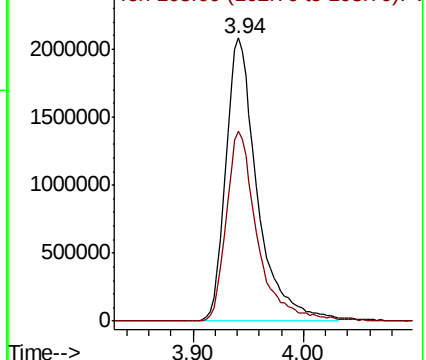
101 100

103 67.0 51.8 77.6



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: 0.056 ppbv

RT: 4.06 min Scan# 395

Delta R.T. -0.41 min

Lab File: VL037466.D

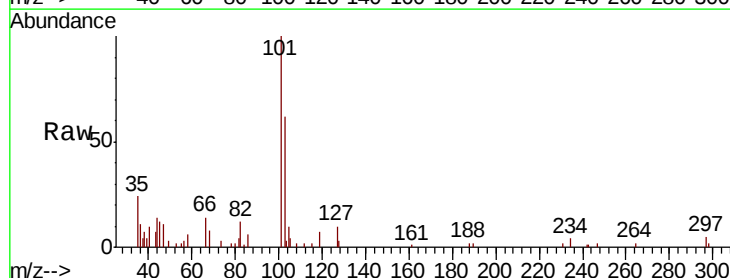
Acq: 16 Aug 2021 18:03

Tgt Ion:101 Resp: 8456

Ion Ratio Lower Upper

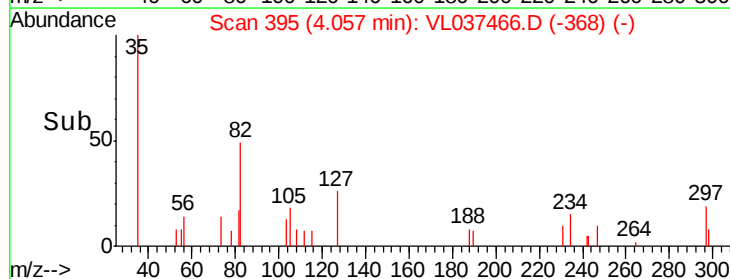
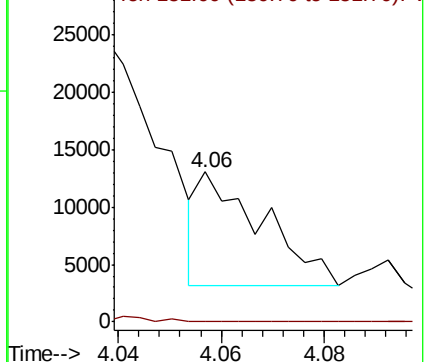
101 100

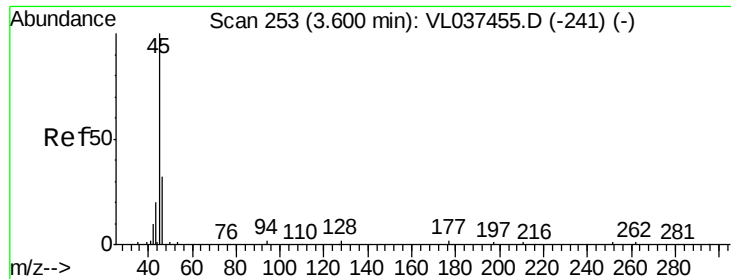
151 1.5 63.7 95.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

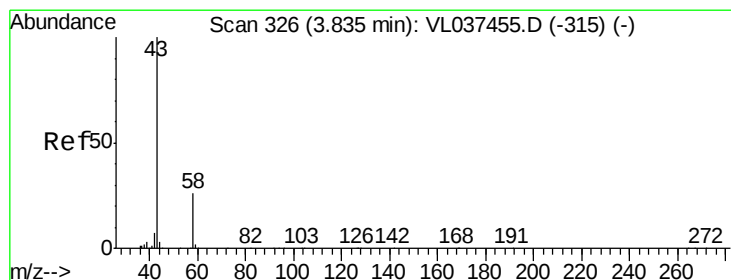
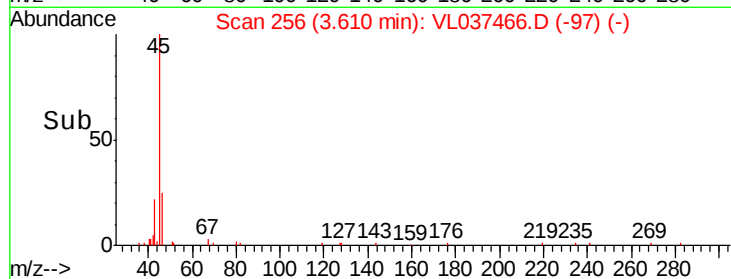
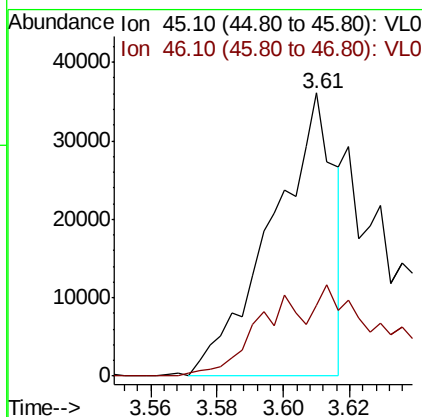
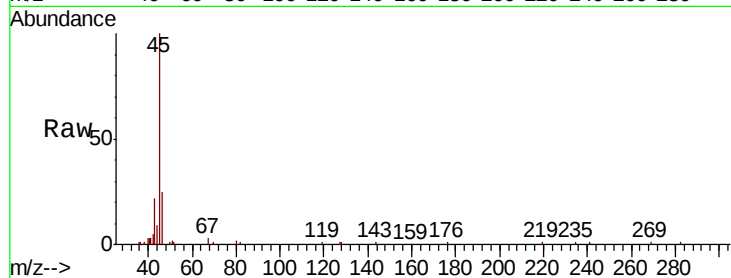




#13
Ethanol
Concen: 5.228 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

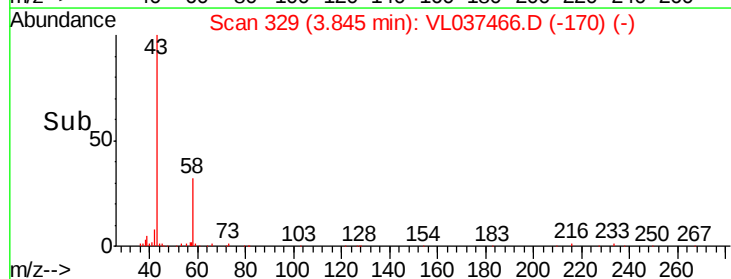
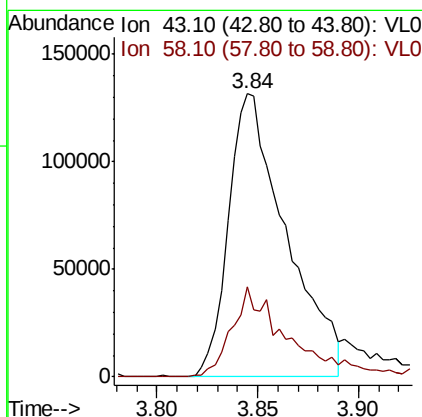
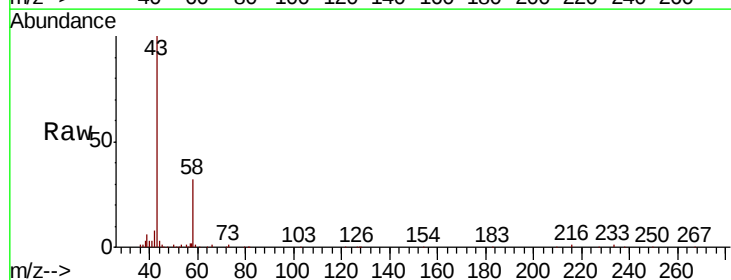
Instrument :
MSVOA_L
ClientSampled :

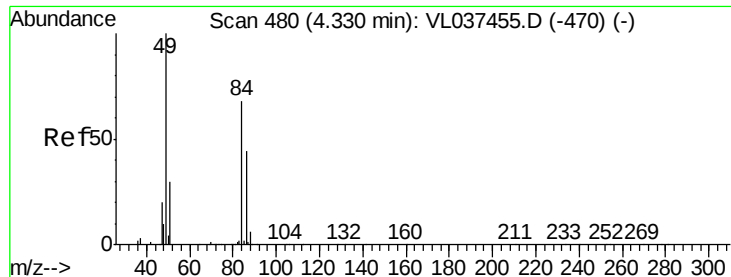
Tot Ion: 45 Resp: 47229
Ion Ratio Lower Upper
45 100
46 73.5 14.1 56.5#



#15
Acetone
Concen: 1.891 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion: 43 Resp: 260797
Ion Ratio Lower Upper
43 100
58 31.2 24.8 37.2



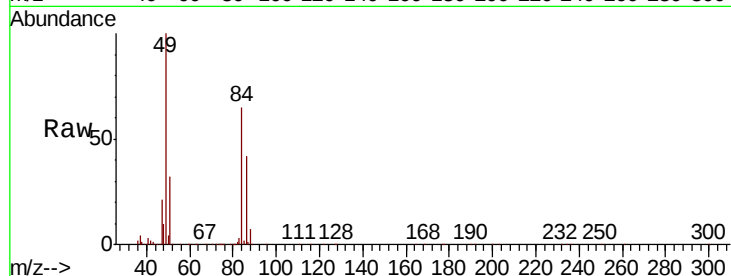


#20
Methvlene Chloride
Concen: 19.955 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 1377844

Ion	Ratio	Lower	Upper
84	100		
49	153.4	118.2	177.2
51	48.4	36.6	55.0
86	64.3	51.8	77.6

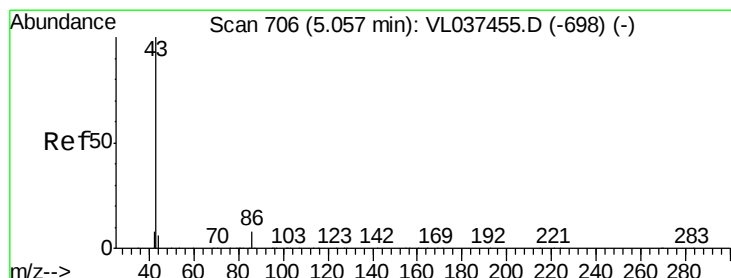
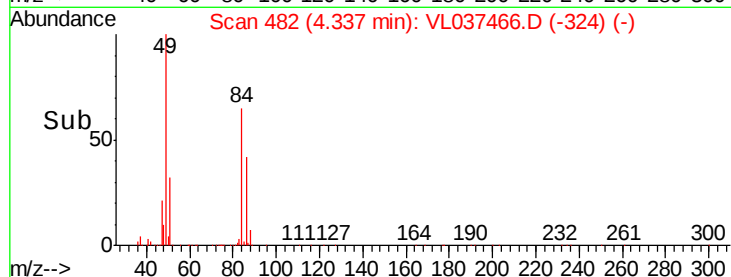
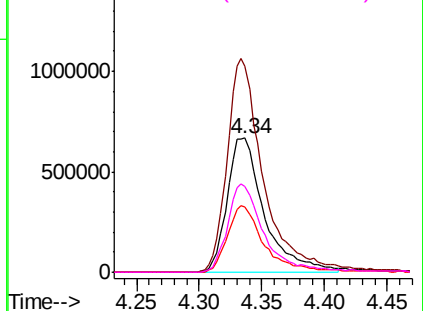


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

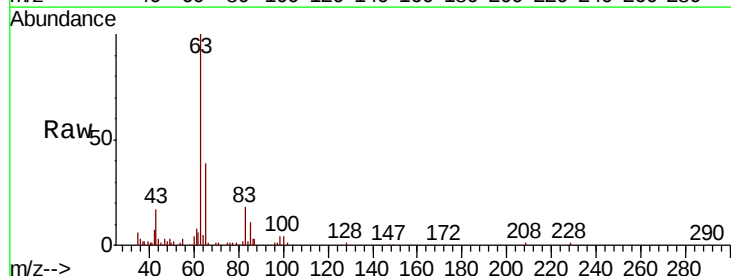
Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 5.06 min Scan# 706
Delta R.T. 0.00 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion: 43 Resp: 12163

Ion	Ratio	Lower	Upper
43	100		
86	11.0	5.7	8.5#
42	27.1	7.4	11.2#
44	0.0	4.3	6.5#

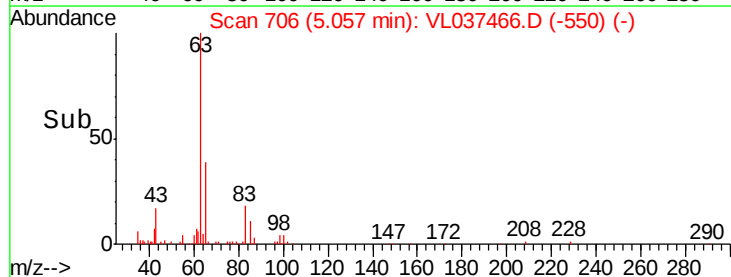
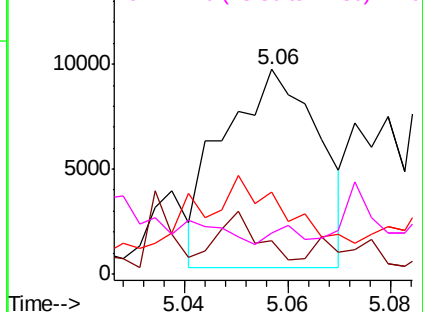


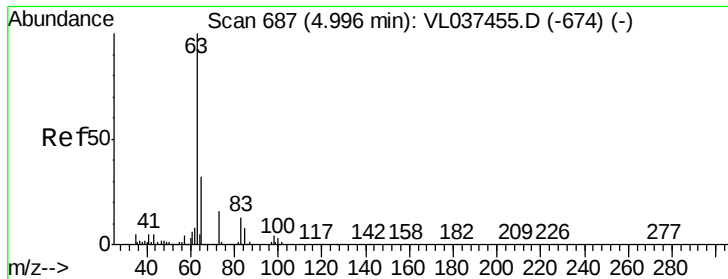
Abundance Ion 43.10 (42.80 to 43.80): VL0

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





#24

1,1-Dichloroethane

Concen: 16.208 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

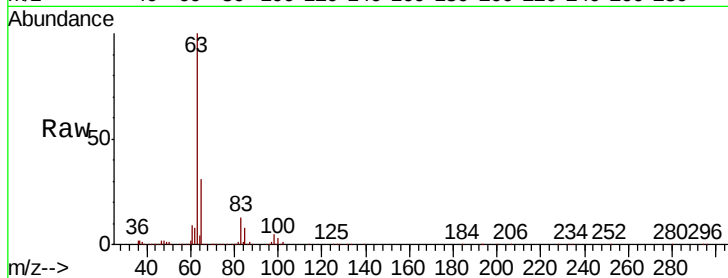
Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 63 Resp: 2389607

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.3
100	2.8	1.6	4.7

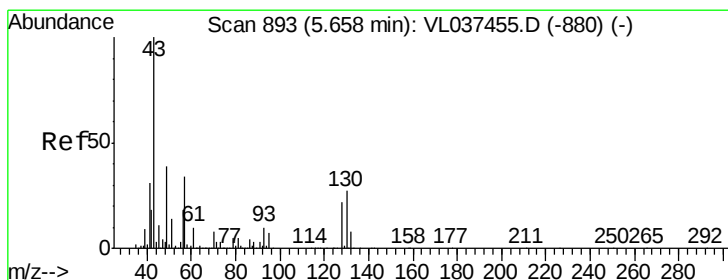
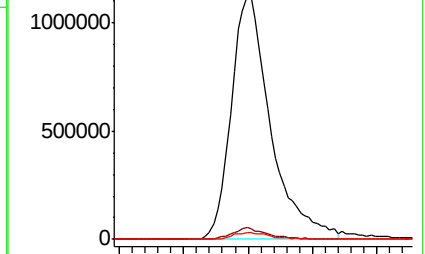
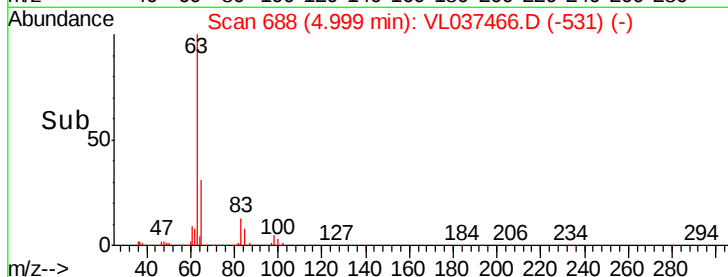


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 8.997 ppbv

RT: 5.67 min Scan# 898

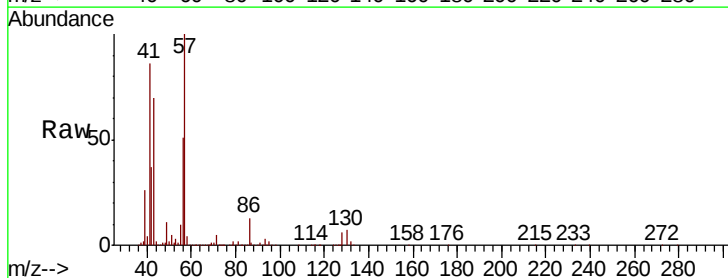
Delta R.T. 0.02 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Tgt Ion: 43 Resp: 3149701

Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.0	12.0#
61	0.2	8.0	12.0#
70	1.4	5.6	8.4#



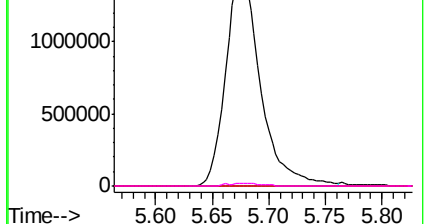
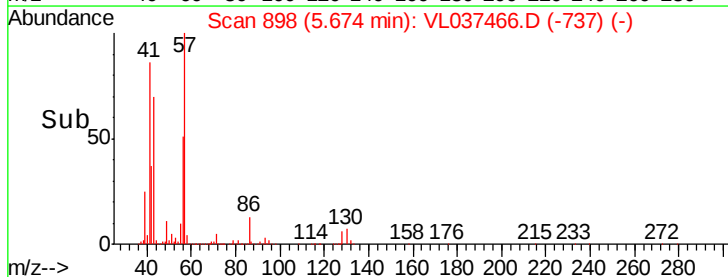
Abundance

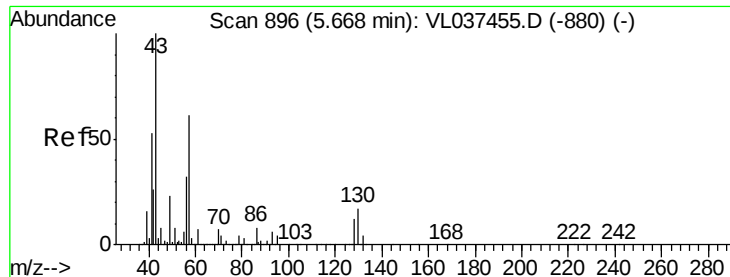
Ion 43.10 (42.80 to 43.80): VL0

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: 26.194 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

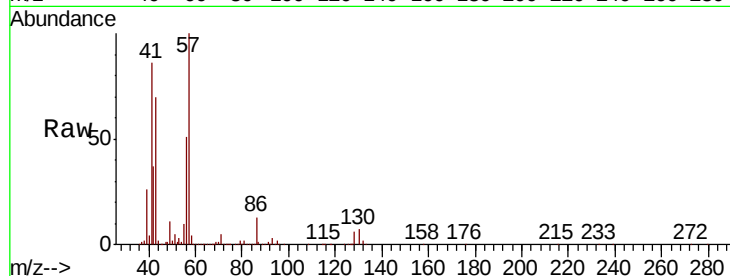
Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

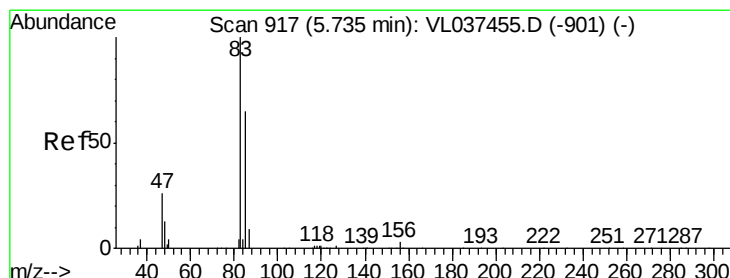
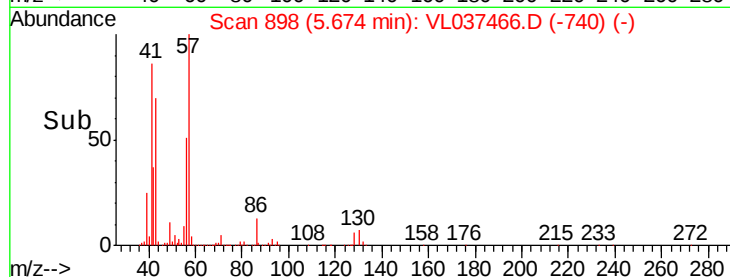
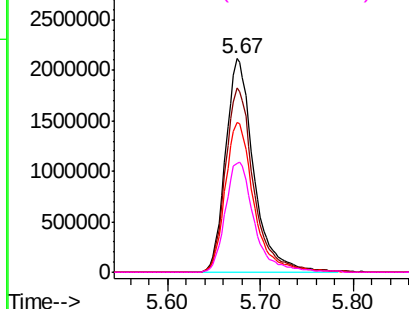
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 4483788

Ion	Ratio	Lower	Upper
57	100		
41	87.2	72.3	108.5
43	71.0	172.3	258.5#
56	53.1	42.8	64.2



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: 0.126 ppbv

RT: 5.74 min Scan# 918

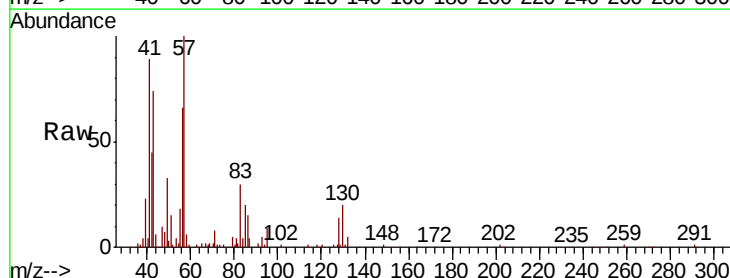
Delta R.T. 0.00 min

Lab File: VL037466.D

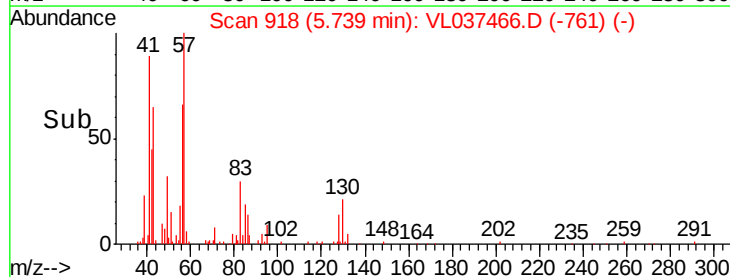
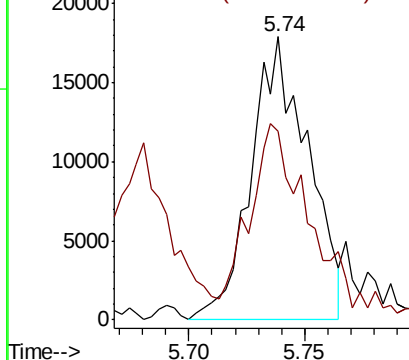
Acq: 16 Aug 2021 18:03

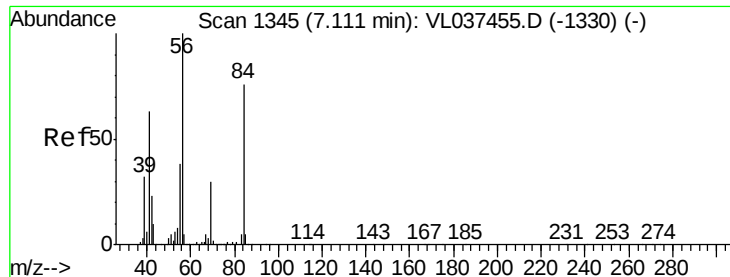
Tgt Ion: 83 Resp: 30503

Ion	Ratio	Lower	Upper
83	100		
85	48.0	52.3	78.5#



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

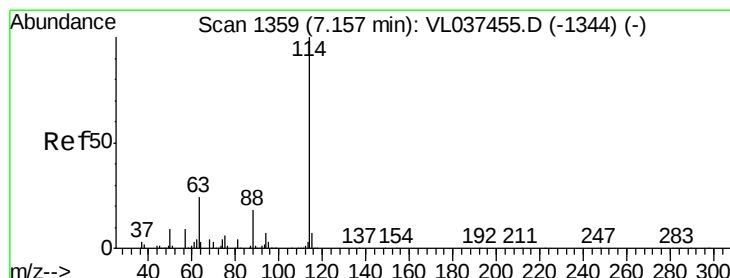
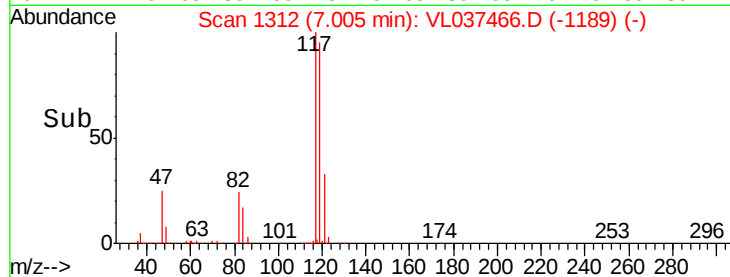
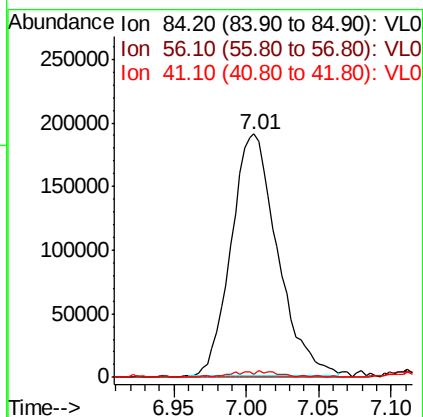
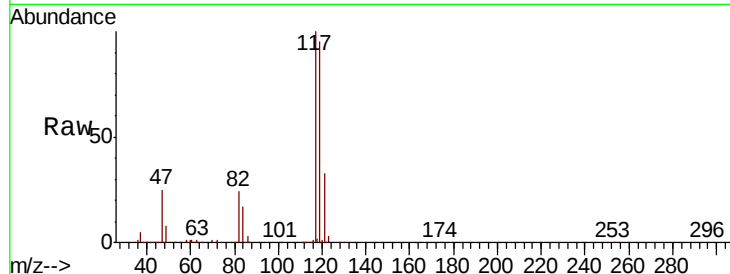




#30
Cvclohexane
Concen: 2.954 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.11 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

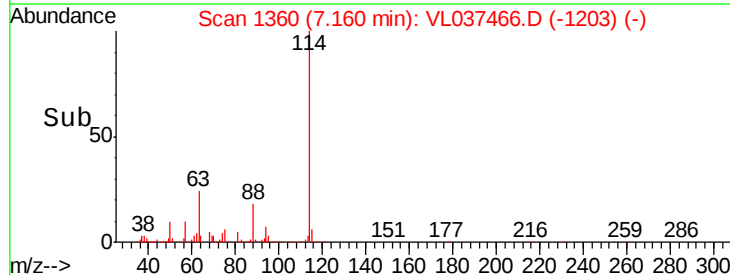
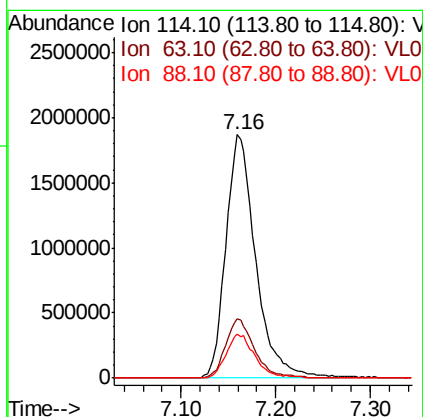
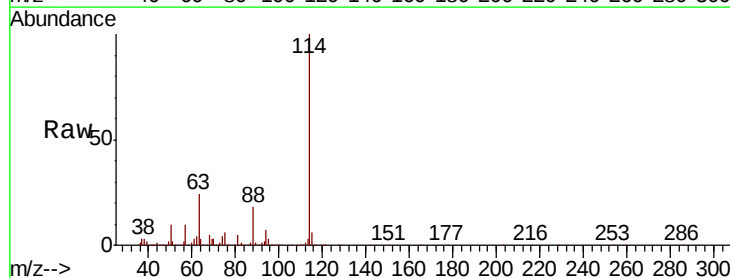
Instrument :
MSVOA_L
ClientSampleId :

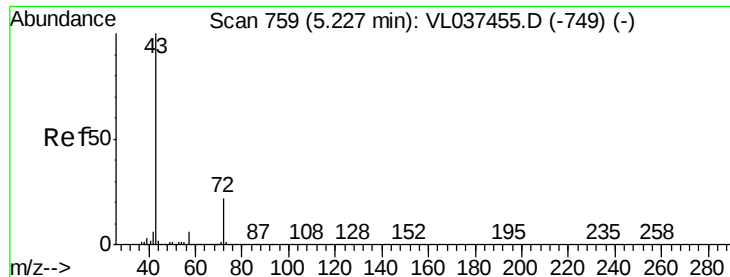
Tot Ion: 84 Resp: 421255
Ion Ratio Lower Upper
84 100
56 24.4 110.6 165.8#
41 0.0 67.0 100.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion:114 Resp: 4094791
Ion Ratio Lower Upper
114 100
63 23.8 19.3 28.9
88 17.8 14.2 21.4

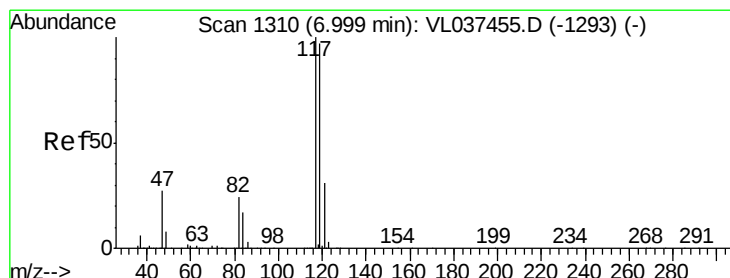
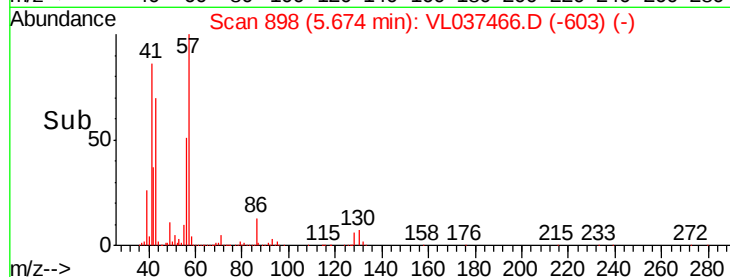
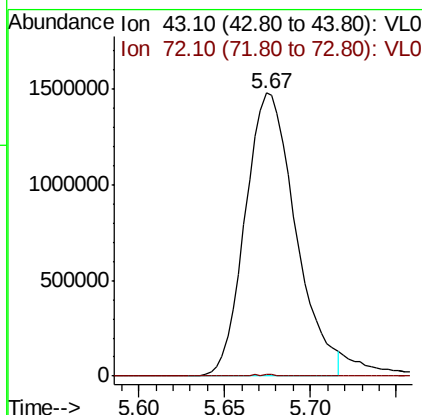
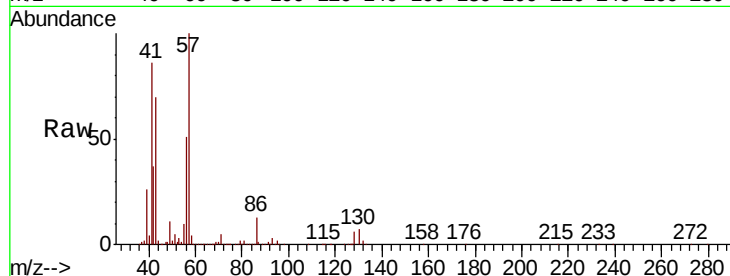




#34
2-Butanone
Concen: 18.029 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.45 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

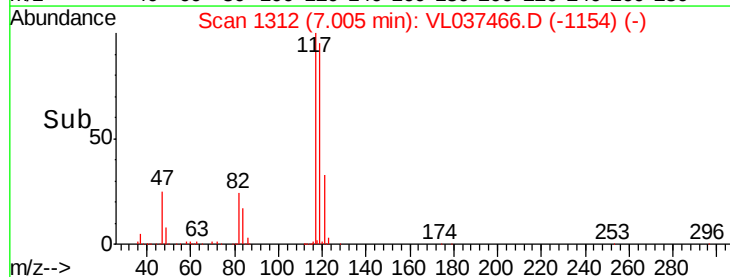
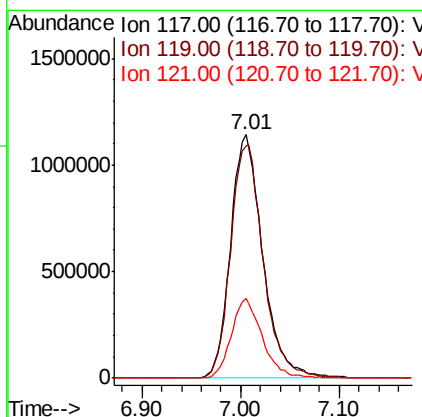
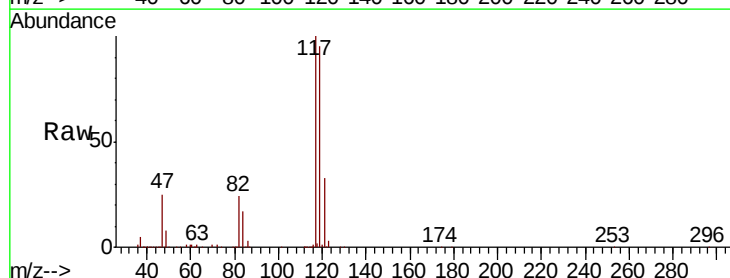
Instrument :
MSVOA_L
ClientSampleId :

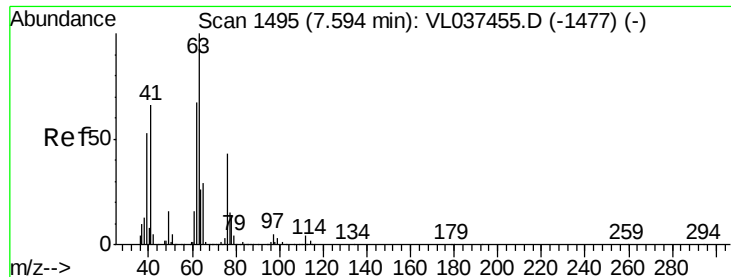
Tot Ion: 43 Resp: 3014605
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#



#35
Carbon Tetrachloride
Concen: 10.723 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion: 117 Resp: 2594842
Ion Ratio Lower Upper
117 100
119 95.3 77.3 115.9
121 32.7 25.2 37.8

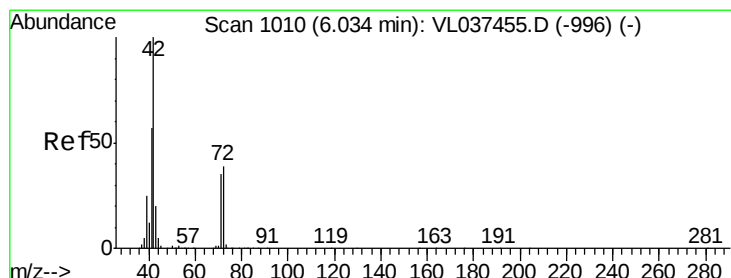
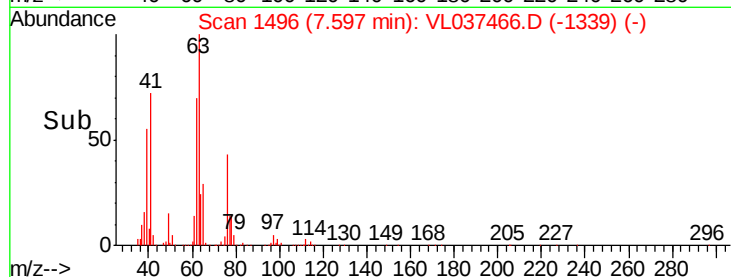
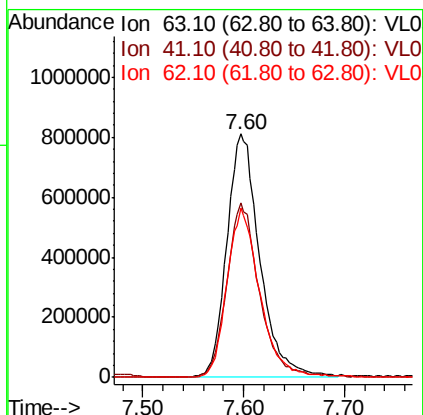
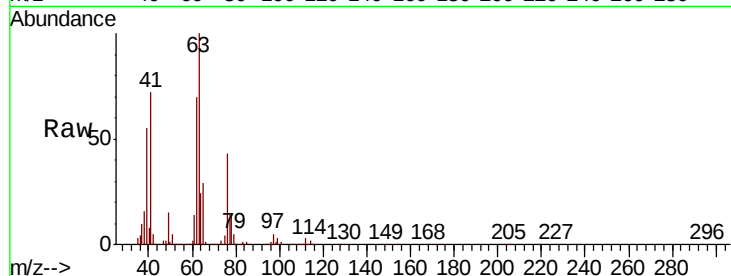




#39
 1,2-Dichloropropane
 Concen: 13.959 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

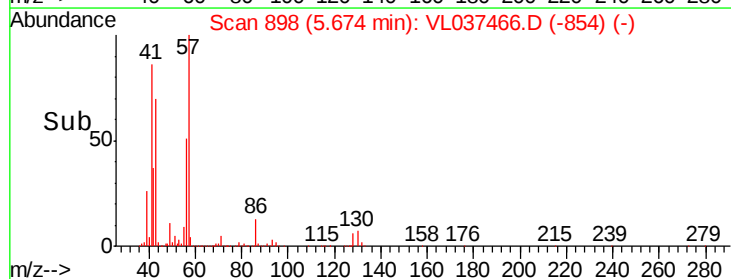
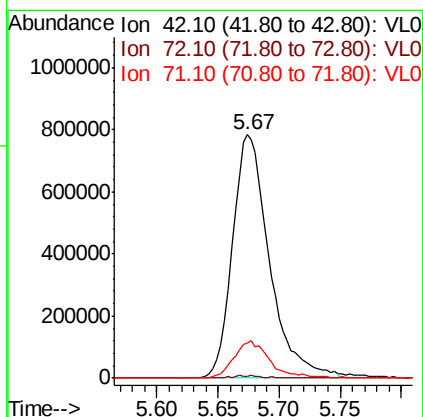
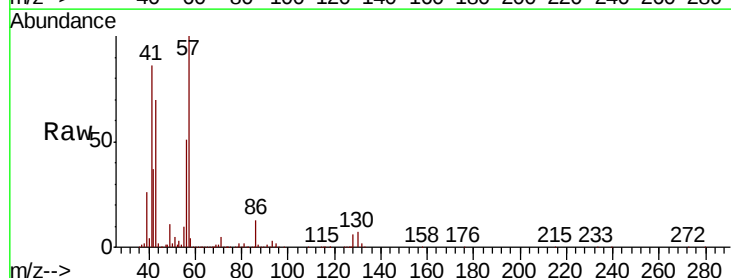
Instrument :
 MSVOA_L
 ClientSampleId :

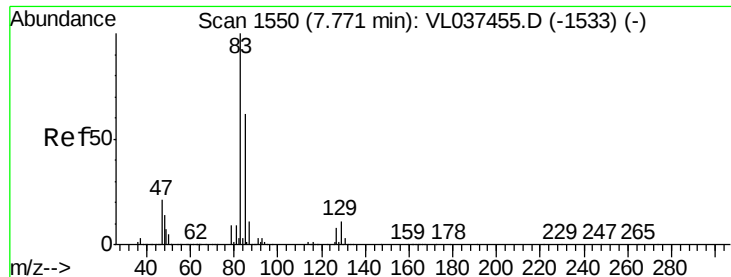
Tot Ion: 63 Resp: 1846330
 Ion Ratio Lower Upper
 63 100
 41 71.8 52.4 78.6
 62 69.8 53.6 80.4



#41
 Tetrahydrofuran
 Concen: 20.378 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.36 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion: 42 Resp: 1641465
 Ion Ratio Lower Upper
 42 100
 72 0.9 32.2 48.4#
 71 15.2 30.5 45.7#





#42

Bromodichloromethane

Concen: 23.048 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :
MSVOA_L
ClientSampleId :

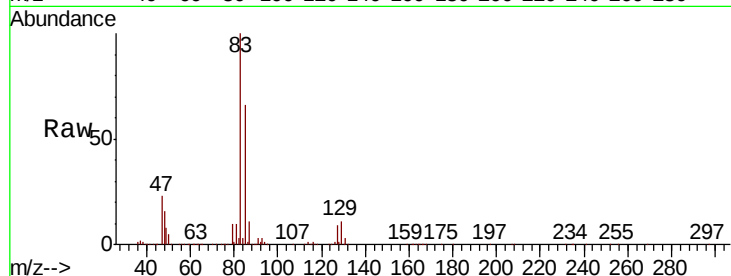
Tot Ion: 83 Resp: 5746393

Ion Ratio Lower Upper

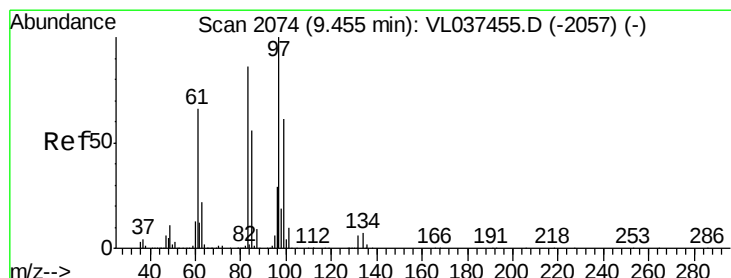
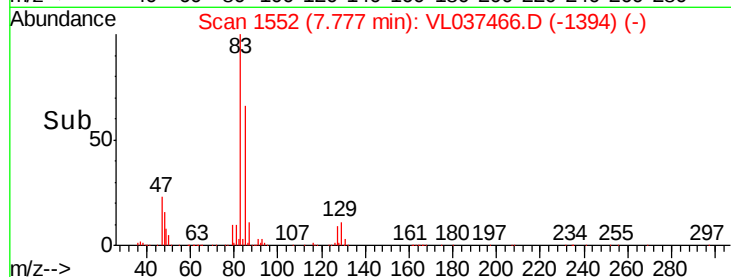
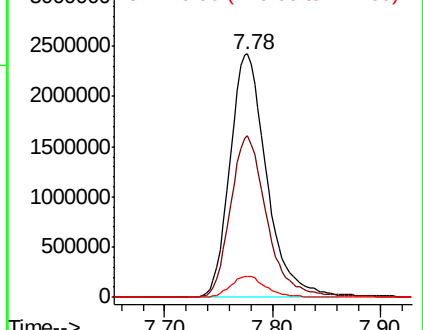
83 100

85 66.4 49.5 74.3

127 8.6 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V



#47

1,1,2-Trichloroethane

Concen: 0.050 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Tgt Ion: 97 Resp: 7120

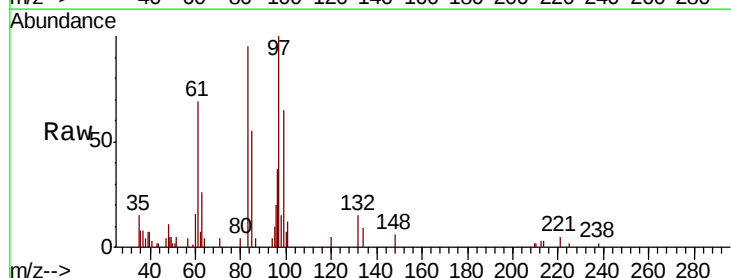
Ion Ratio Lower Upper

97 100

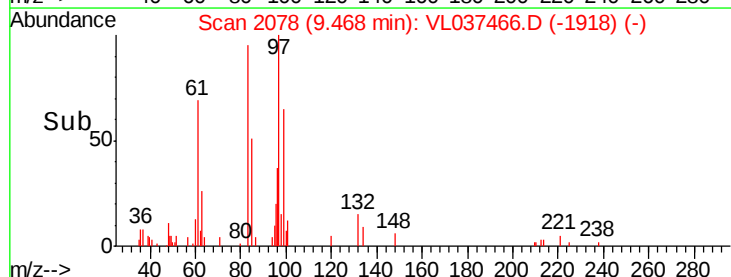
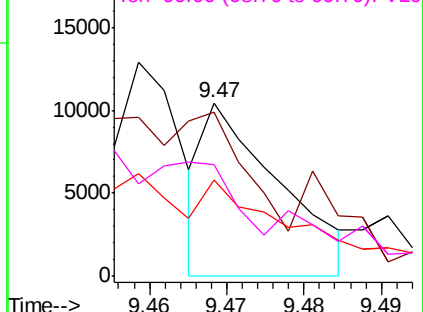
83 81.0 68.7 103.1

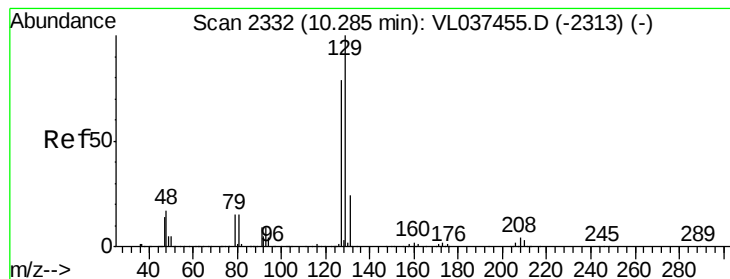
85 47.3 44.7 67.1

99 60.3 48.6 72.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0





#48

Dibromochloromethane

Concen: 0.047 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

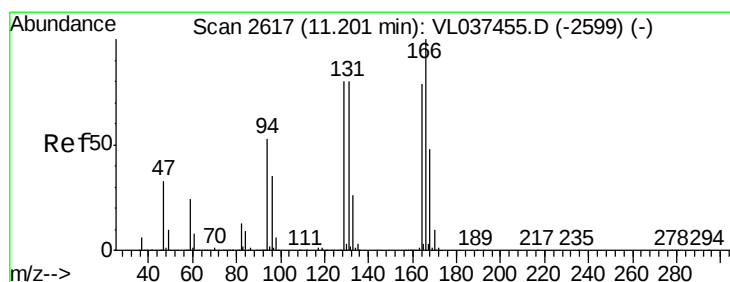
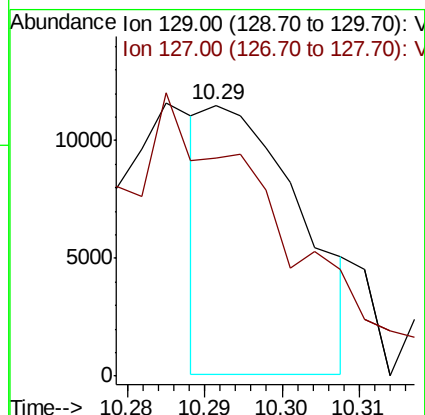
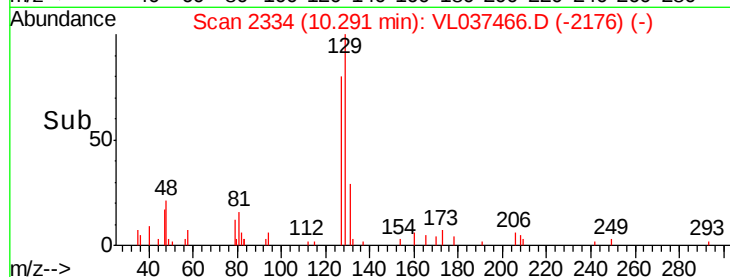
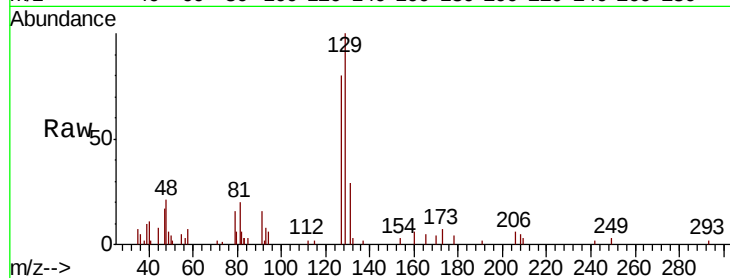
ClientSampled :

Tot Ion:129 Resp: 9764

Ion Ratio Lower Upper

129 100

127 0.0 40.0 120.0#



#52

Tetrachloroethene

Concen: 0.041 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Tgt Ion:164 Resp: 5717

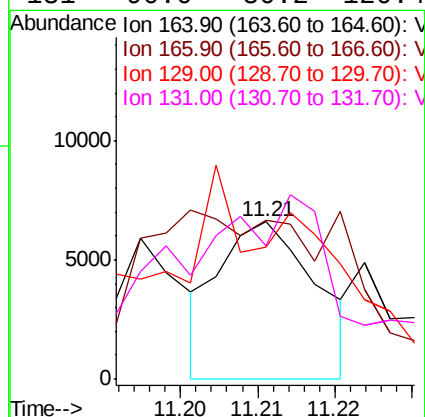
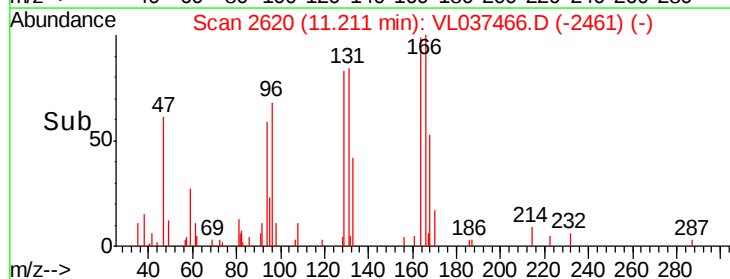
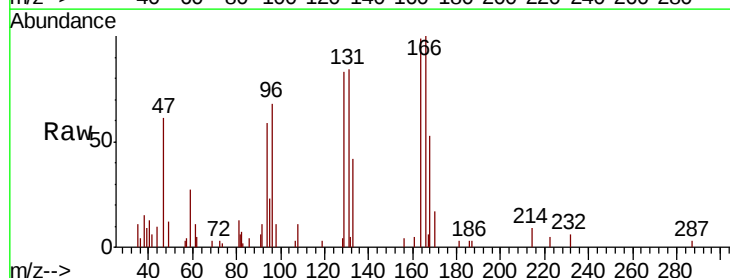
Ion Ratio Lower Upper

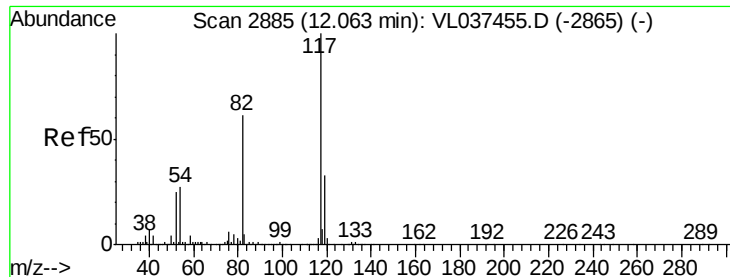
164 100

166 0.0 100.7 151.1#

129 45.9 80.9 121.3#

131 90.0 80.2 120.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

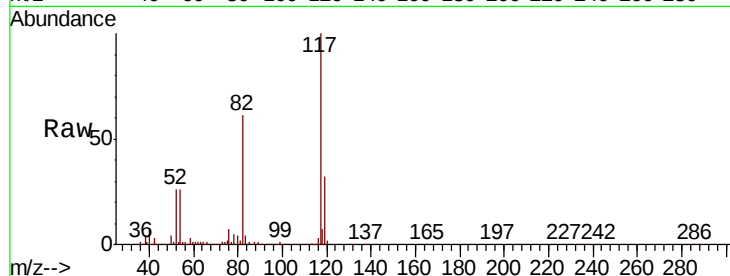
Tot Ion:117 Resp: 3380876

Ion Ratio Lower Upper

117 100

82 67.7 52.9 79.3

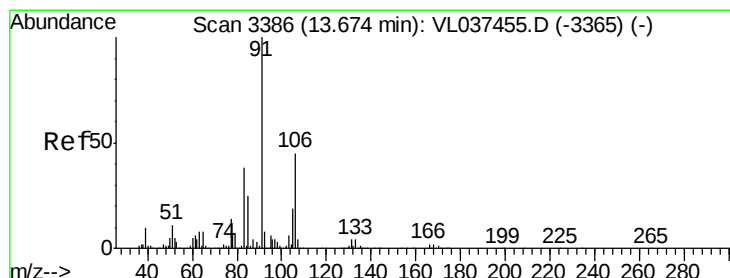
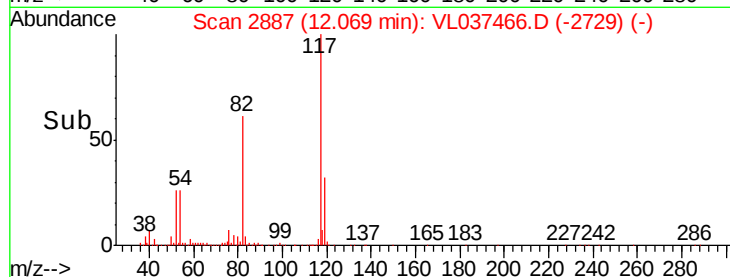
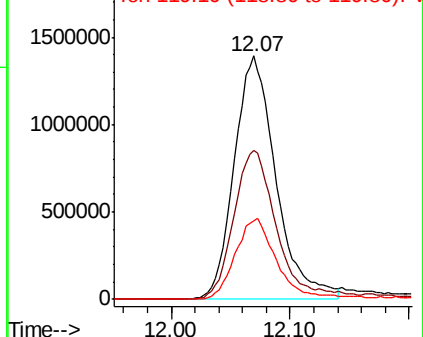
119 34.2 24.8 37.2



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



#60

o-Xylene

Concen: 0.094 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037466.D

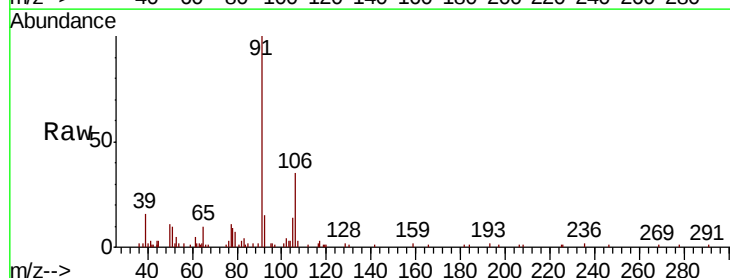
Acq: 16 Aug 2021 18:03

Tgt Ion: 91 Resp: 35635

Ion Ratio Lower Upper

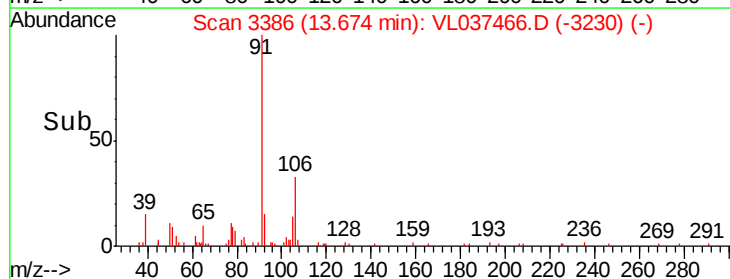
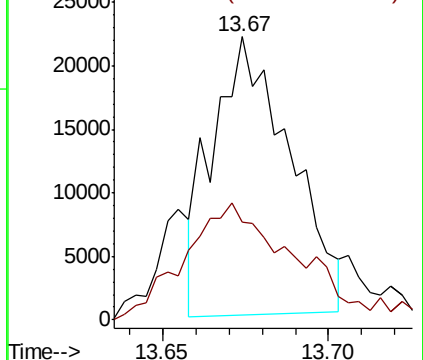
91 100

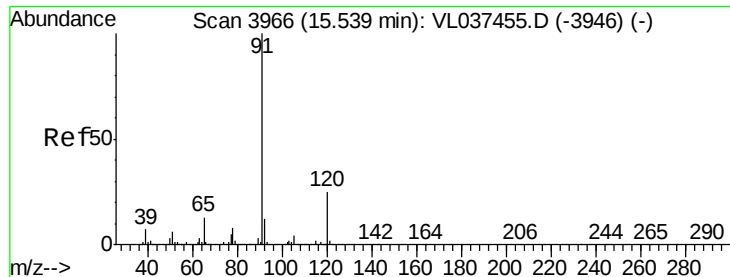
106 66.5 23.7 71.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#64

n-propylbenzene

Concen: 27.790 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.29 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

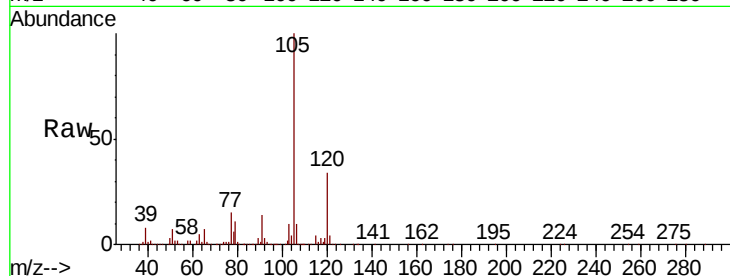
ClientSampleId :

Tot Ion:120 Resp: 3789109

Ion Ratio Lower Upper

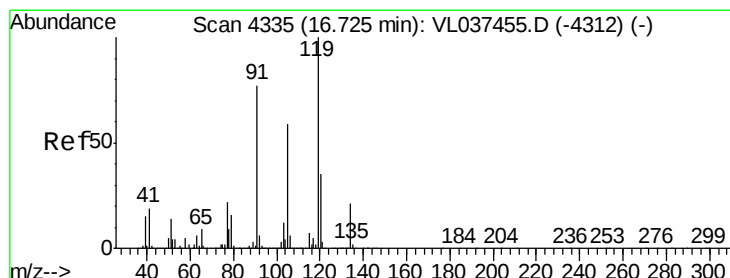
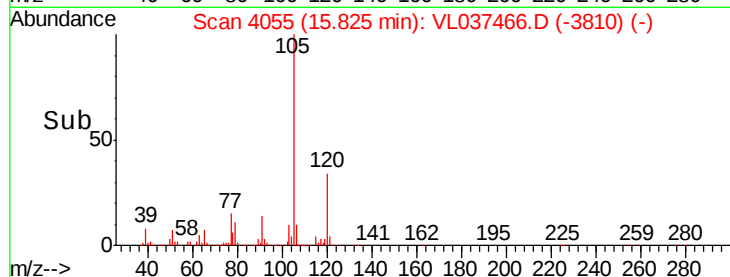
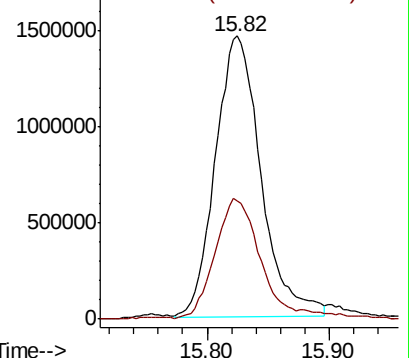
120 100

91 0.0 373.8 560.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 1.921 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.02 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

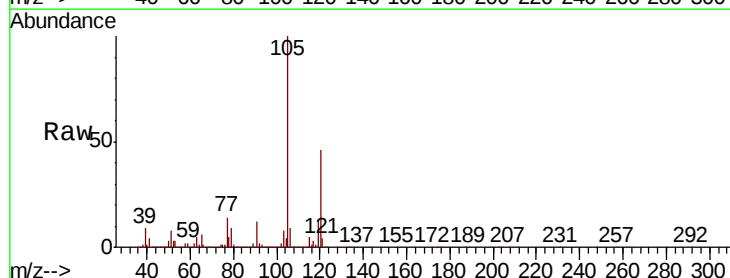
Tgt Ion:119 Resp: 937418

Ion Ratio Lower Upper

119 100

91 103.5 62.9 94.3#

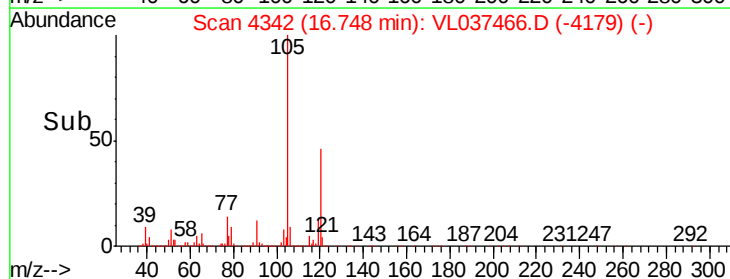
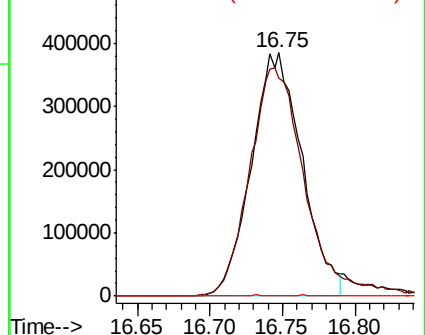
134 0.2 16.4 24.6#

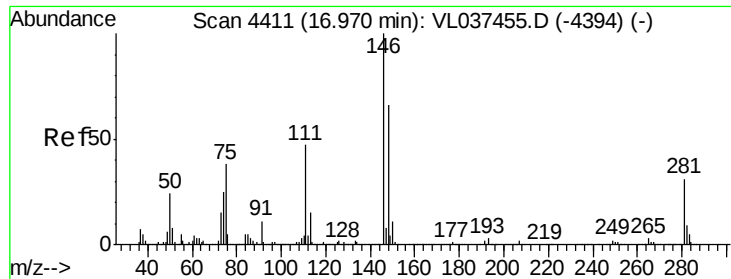


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

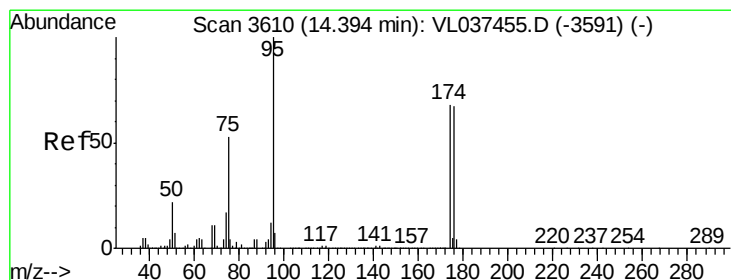
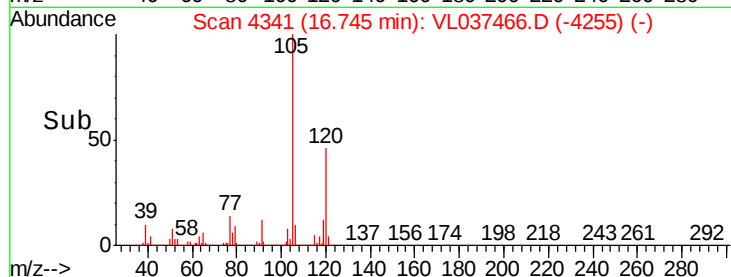
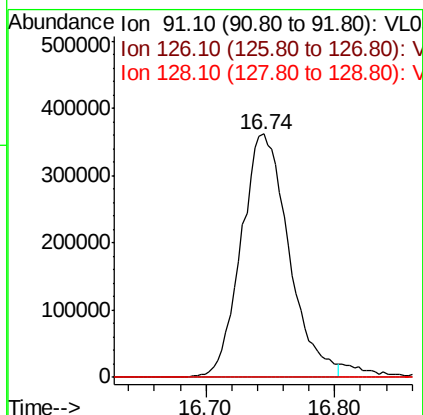
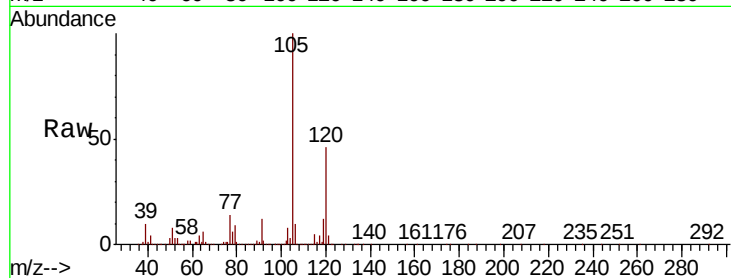




#66
Benzyl Chloride
Concen: 42.043 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.23 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

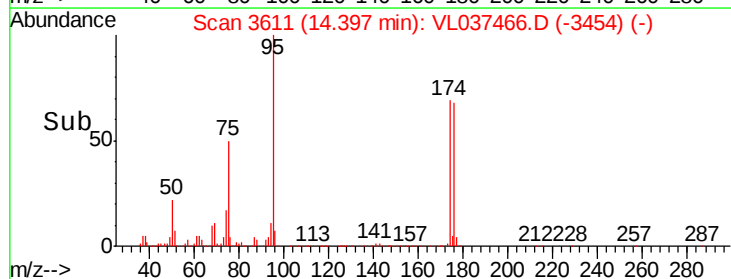
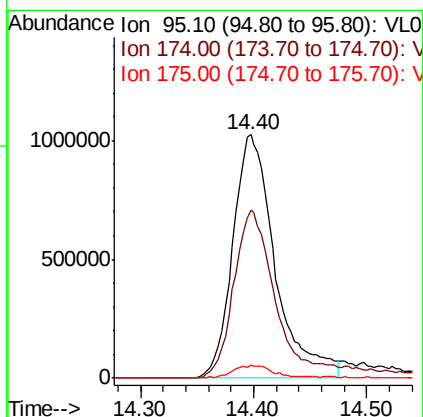
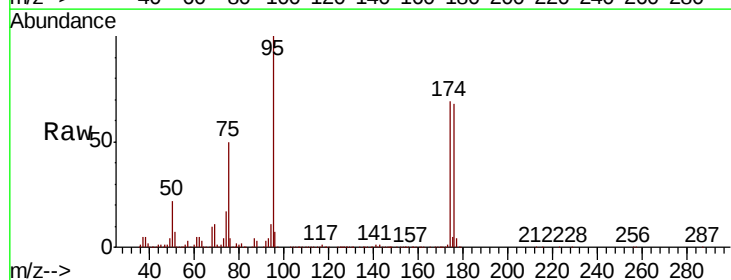
Instrument :
MSVOA_L
ClientSampleId :

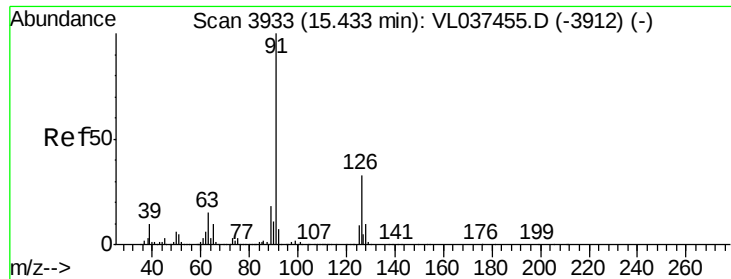
Tot Ion: 91 Resp: 928019
Ion Ratio Lower Upper
91 100
126 0.0 15.9 23.9#
128 0.0 5.4 8.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 11.088 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037466.D
Acq: 16 Aug 2021 18:03

Tgt Ion: 95 Resp: 2663167
Ion Ratio Lower Upper
95 100
174 74.5 59.6 89.4
175 5.1 4.6 7.0

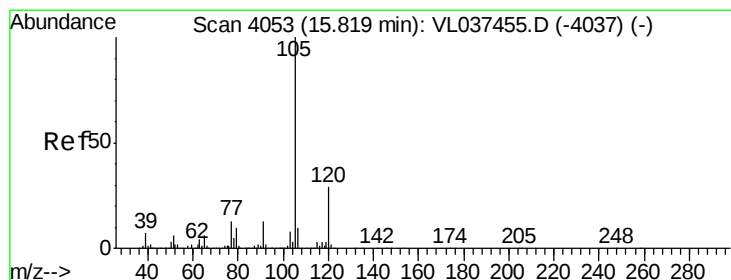
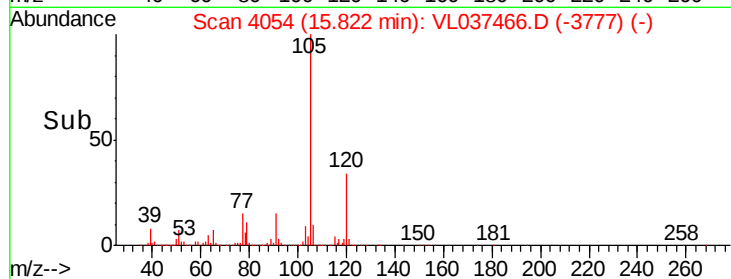
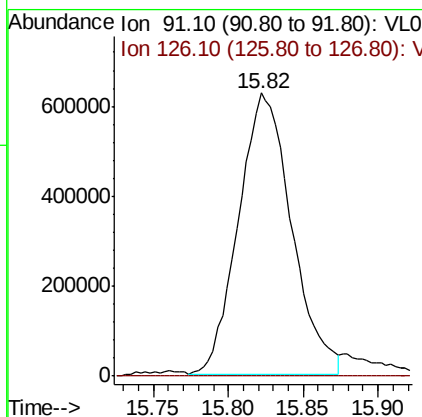
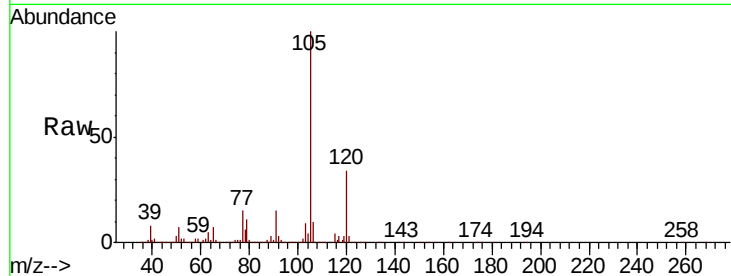




#71
 2-Chlorotoluene
 Concen: 3.918 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. 0.39 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

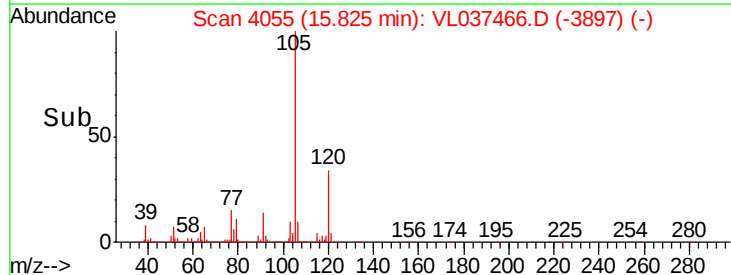
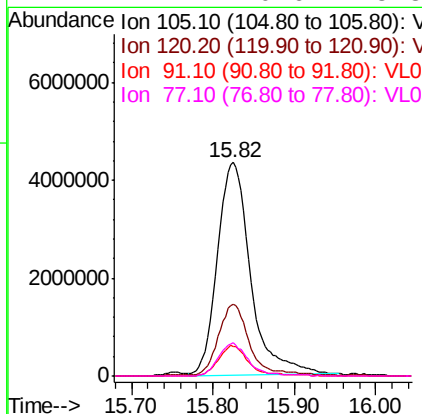
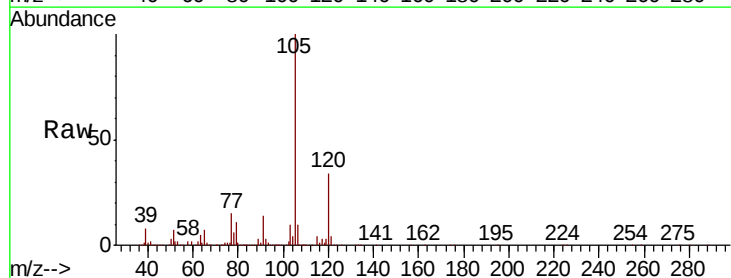
Instrument :
 MSVOA_L
 ClientSampleId :

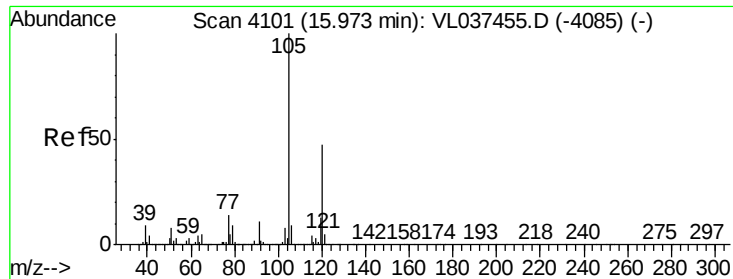
Tot Ion: 91 Resp: 1539545
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.6 54.4#



#72
 4-Ethyltoluene
 Concen: 27.602 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion:105 Resp:12463743
 Ion Ratio Lower Upper
 105 100
 120 32.6 24.7 37.1
 91 13.8 9.8 14.8
 77 14.7 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 29.653 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. -0.15 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

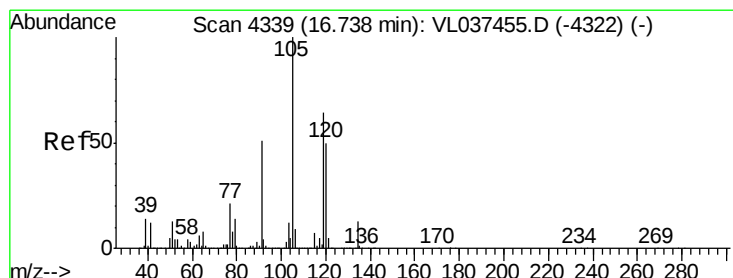
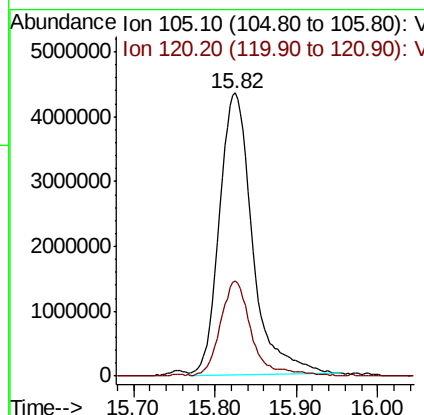
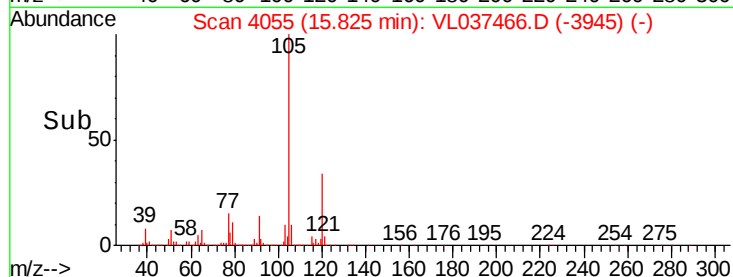
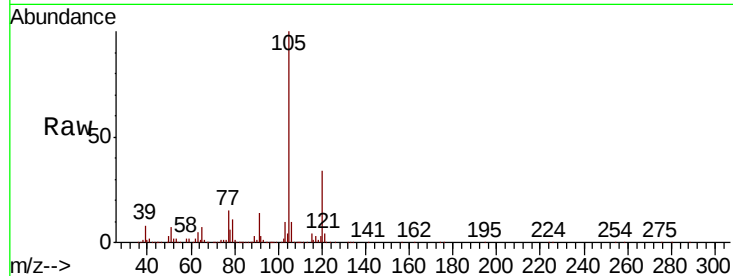
ClientSampleId :

Tot Ion:105 Resp:12463743

Ion Ratio Lower Upper

105 100

120 33.7 37.6 56.4#



#74

1,2,4-Trimethylbenzene

Concen: 18.261 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Tgt Ion:105 Resp: 8156243

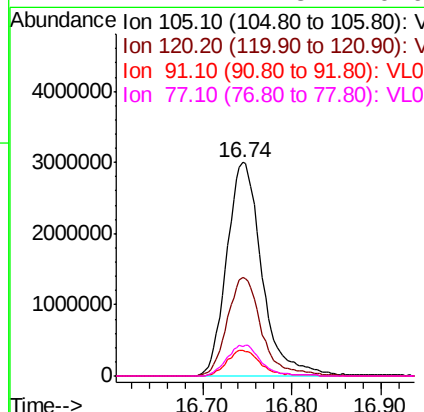
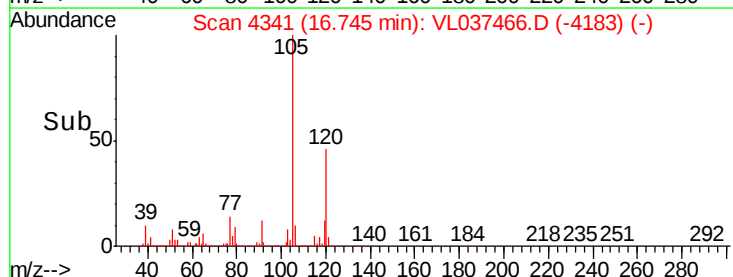
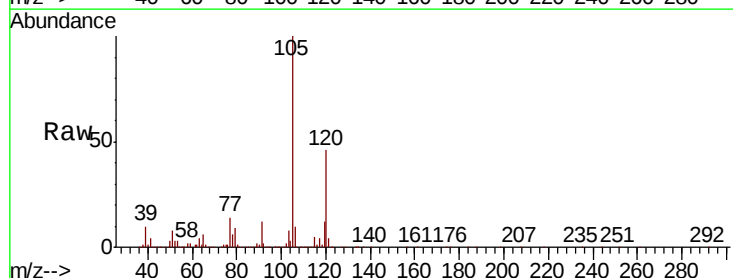
Ion Ratio Lower Upper

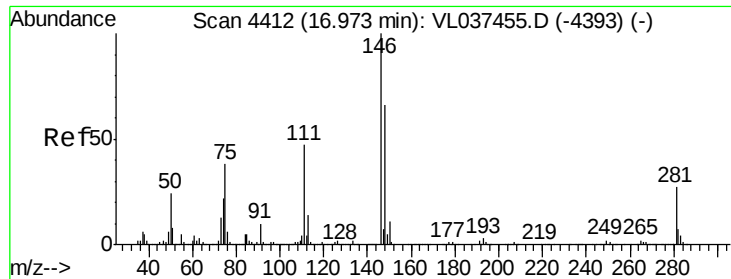
105 100

120 45.9 40.4 60.6

91 12.1 44.6 67.0#

77 14.1 17.8 26.6#

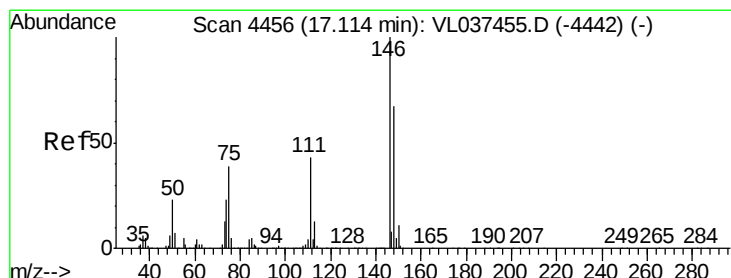
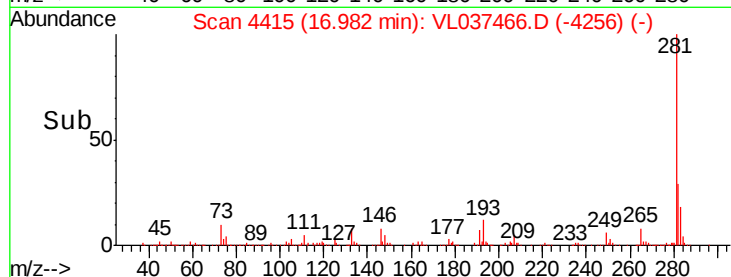
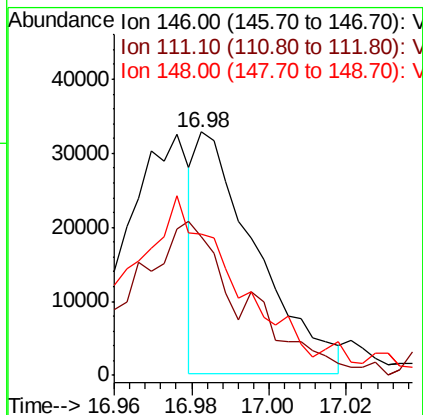
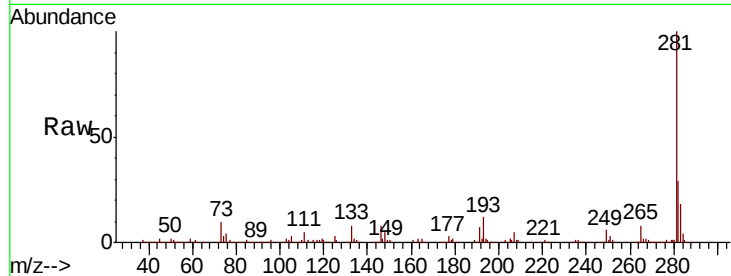




#75
 1,3-Dichlorobenzene
 Concen: 0.132 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

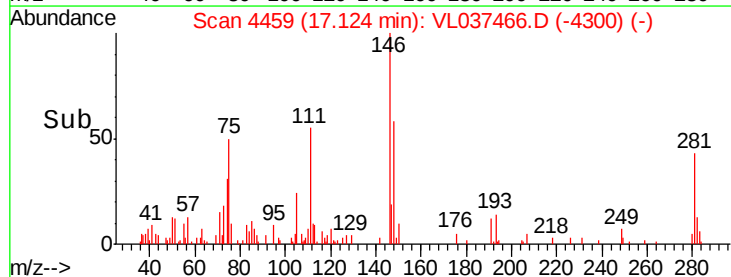
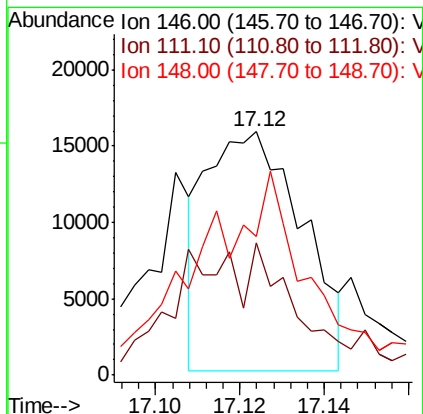
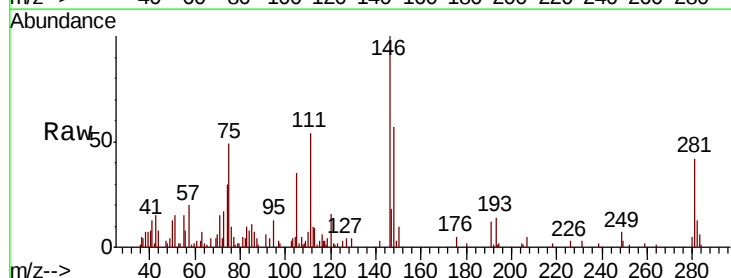
Instrument :
 MSVOA_L
 ClientSampled :

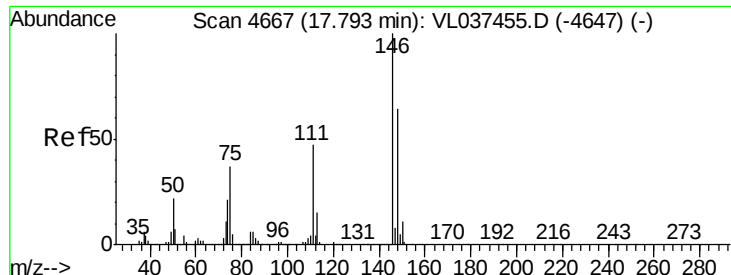
Tot Ion:146 Resp: 35417
 Ion Ratio Lower Upper
 146 100
 111 130.1 23.4 70.0#
 148 0.0 33.1 99.5#



#76
 1,4-Dichlorobenzene
 Concen: 0.091 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. 0.01 min
 Lab File: VL037466.D
 Acq: 16 Aug 2021 18:03

Tgt Ion:146 Resp: 24761
 Ion Ratio Lower Upper
 146 100
 111 72.0 22.1 66.5#
 148 104.8 32.4 97.0#





#77

1,2-Dichlorobenzene

Concen: 15.558 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037466.D

Acq: 16 Aug 2021 18:03

Instrument :

MSVOA_L

ClientSampleId :

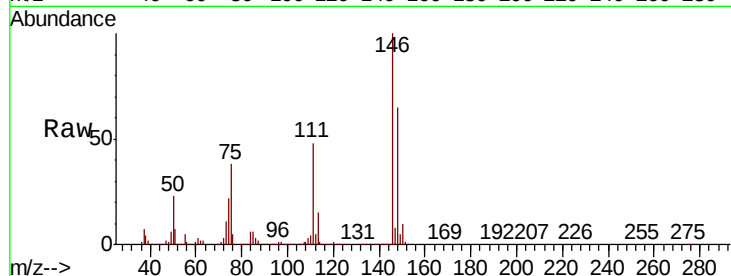
Tot Ion:146 Resp: 4118890

Ion Ratio Lower Upper

146 100

111 48.0 23.4 70.3

148 65.0 32.5 97.5



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

