

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037426.D
 Acq On : 12 Aug 2021 23:23
 Operator : SY/AP
 Sample : M3211-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 13 03:07:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1269228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3848257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3390322	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2544840	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

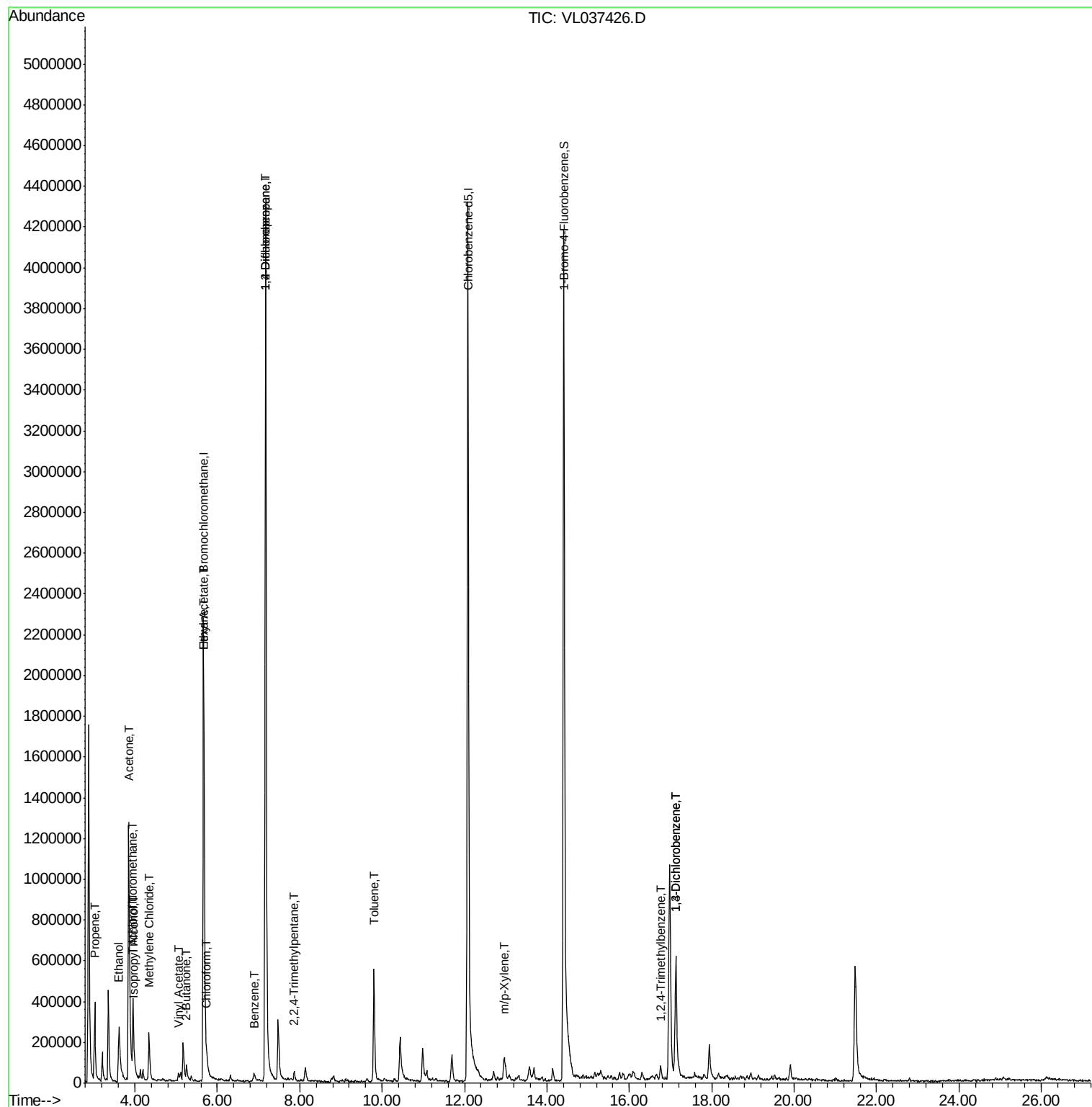
Target Compounds					Ovalue	
9) Propene	3.02	41	84304	1.007	ppbv	# 73
11) Trichlorofluoromethane	3.95	101	261937	1.248	ppbv	97
13) Ethanol	3.61	45	207914	23.277	ppbv	# 34
15) Acetone	3.85	43	1773285	13.174	ppbv	98
19) Isopropyl Alcohol	3.98	45	60688	0.775	ppbv	# 92
20) Methylene Chloride	4.35	84	94818	1.332	ppbv	98
23) Vinyl Acetate	5.07	43	10793	0.052	ppbv	# 56
25) Ethyl Acetate	5.68	43	30123	0.094	ppbv	# 91
26) Hexane	5.68	57	72321	0.437	ppbv	# 53
29) Chloroform	5.75	83	10157	0.044	ppbv	89
34) 2-Butanone	5.25	43	91869	0.578	ppbv	# 67
36) Benzene	6.89	78	11923	0.037	ppbv	# 93
39) 1,2-Dichloropropane	7.17	63	924096	7.476	ppbv	# 27
44) 2,2,4-Trimethylpentane	7.87	57	23215	0.043	ppbv	# 36
53) Toluene	9.80	91	270330	0.730	ppbv	# 48
59) m/p-Xylene	12.98	91	29001	0.072	ppbv	# 31
74) 1,2,4-Trimethylbenzene	16.75	105	26387	0.063	ppbv	# 73
75) 1,3-Dichlorobenzene	17.13	146	348969	1.352	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	348969	1.364	ppbv	97

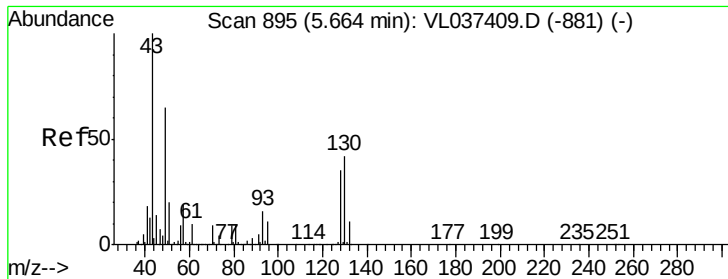
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037426.D
Acq On : 12 Aug 2021 23:23
Operator : SY/AP
Sample : M3211-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :

Quant Time: Aug 13 03:07:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

Instrument :
MSVOA_L
ClientSampleId :

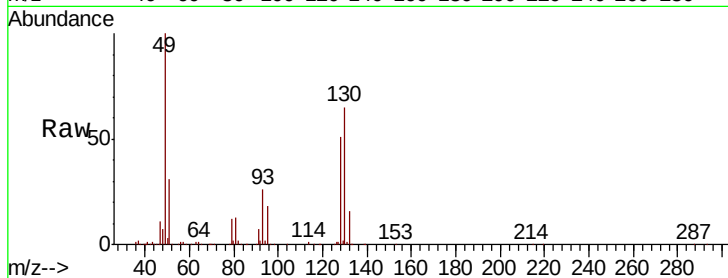
Tot Ion: 49 Resp: 1269228

Ion Ratio Lower Upper

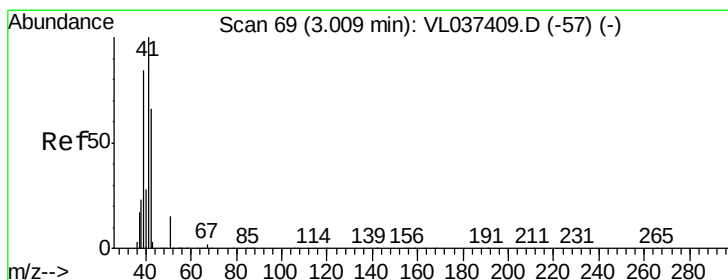
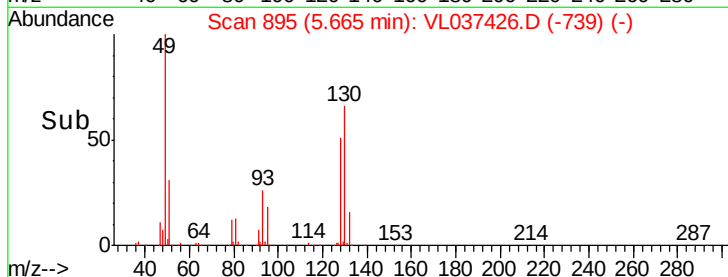
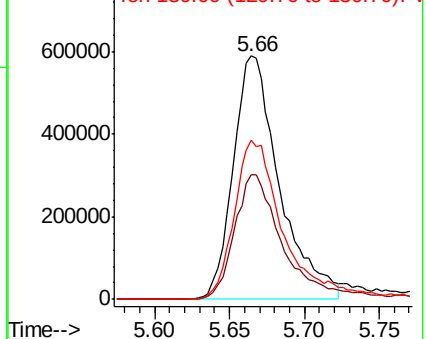
49 100

128 55.2 27.9 83.6

130 72.1 34.6 103.8



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



#9

Propene

Concen: 1.007 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037426.D

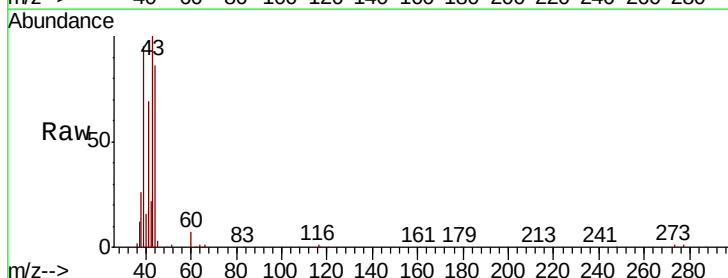
Acq: 12 Aug 2021 23:23

Tgt Ion: 41 Resp: 84304

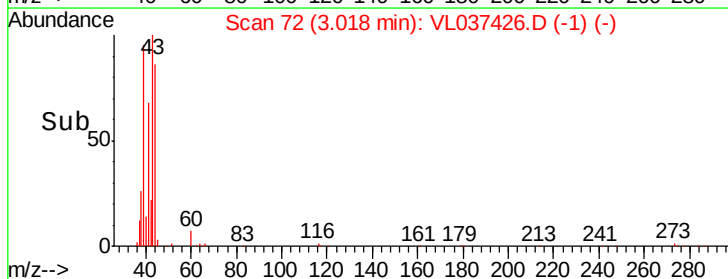
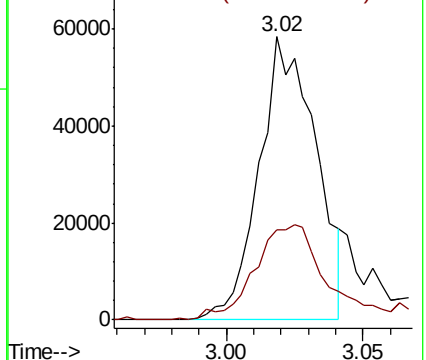
Ion Ratio Lower Upper

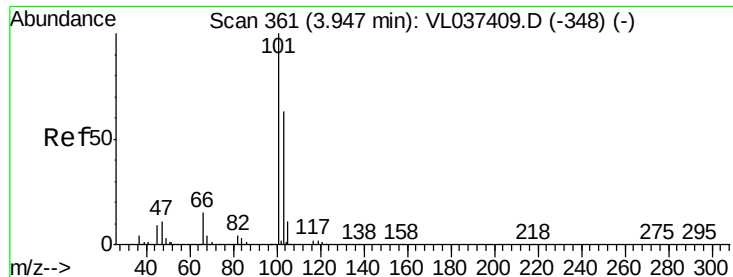
41 100

42 45.5 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

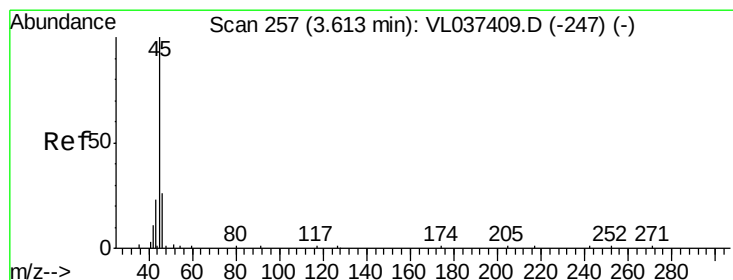
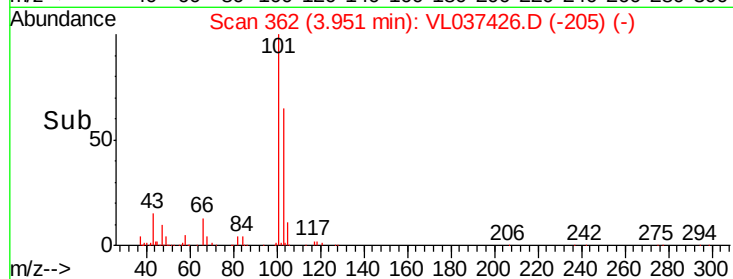
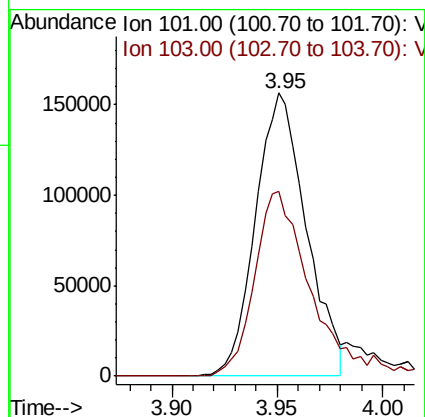
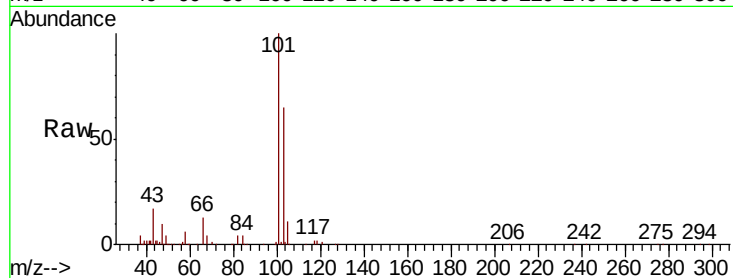




#11
 Trichlorofluoromethane
 Concen: 1.248 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037426.D
 Acq: 12 Aug 2021 23:23

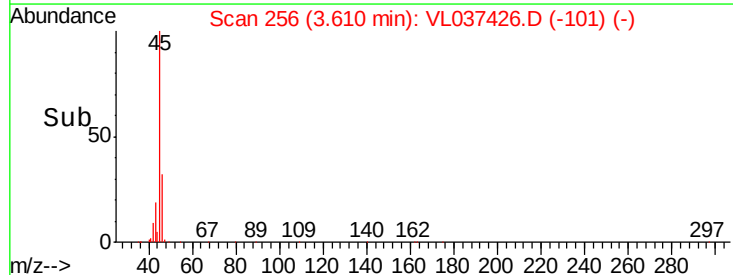
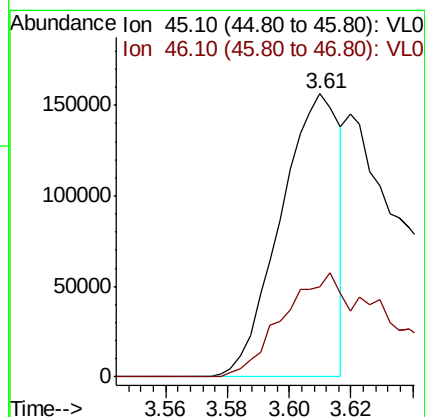
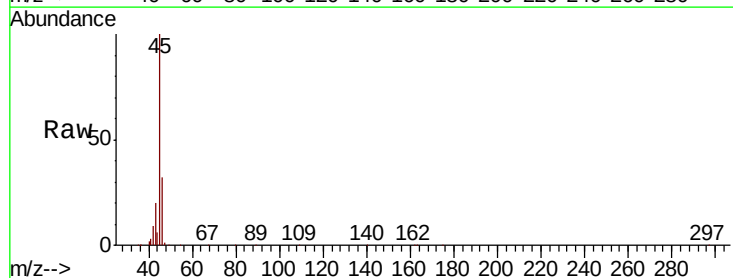
Instrument :
 MSVOA_L
 ClientSampleId :

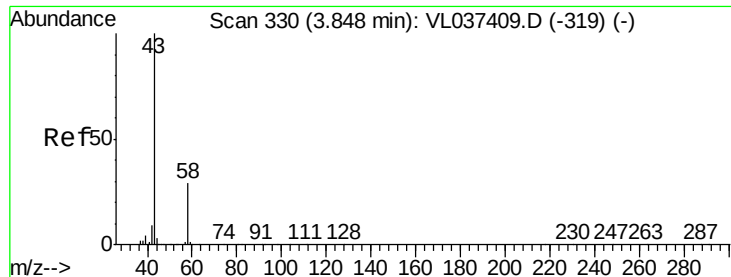
Tot Ion:101 Resp: 261937
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.2 75.4



#13
 Ethanol
 Concen: 23.277 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. -0.00 min
 Lab File: VL037426.D
 Acq: 12 Aug 2021 23:23

Tgt Ion: 45 Resp: 207914
 Ion Ratio Lower Upper
 45 100
 46 88.5 18.0 72.2#





#15

Acetone

Concen: 13.174 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

Instrument :

MSVOA_L

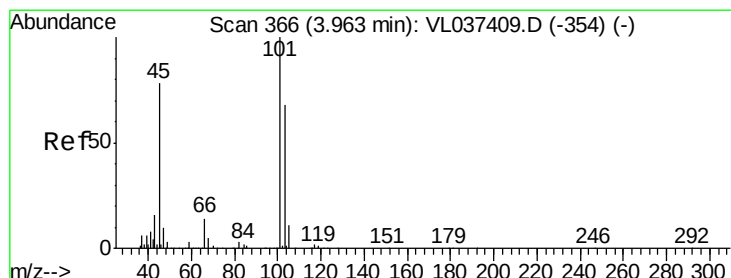
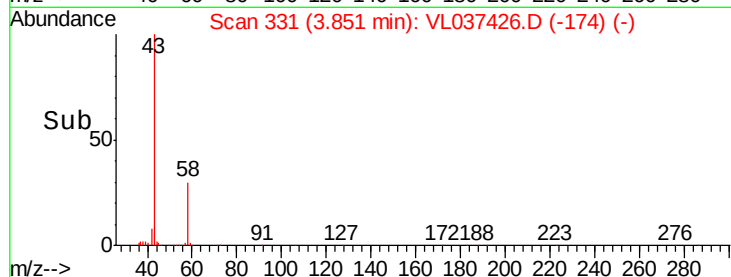
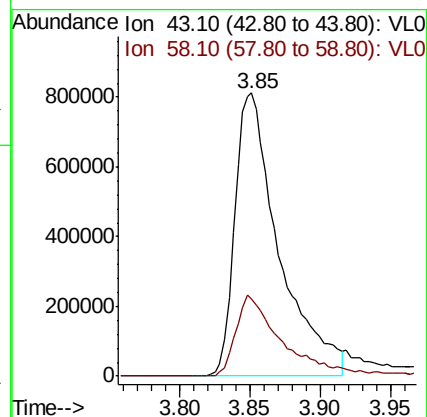
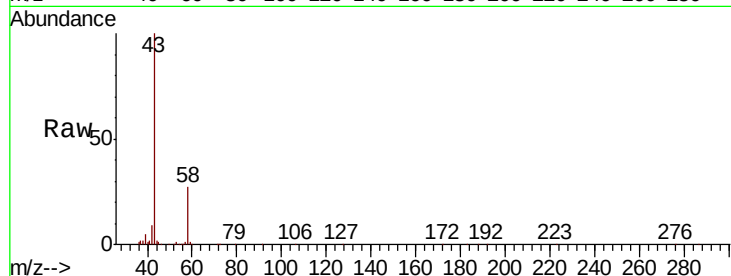
ClientSampleId :

Tot Ion: 43 Resp: 1773285

Ion Ratio Lower Upper

43 100

58 31.5 24.4 36.6



#19

Isopropyl Alcohol

Concen: 0.775 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL037426.D

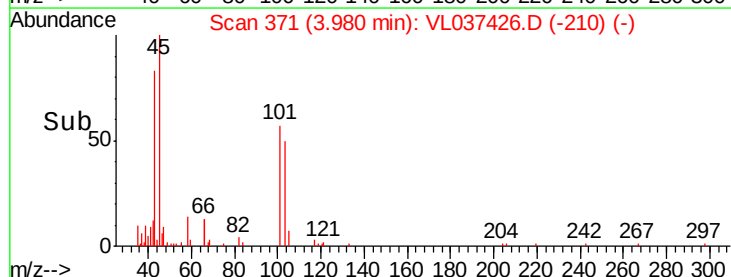
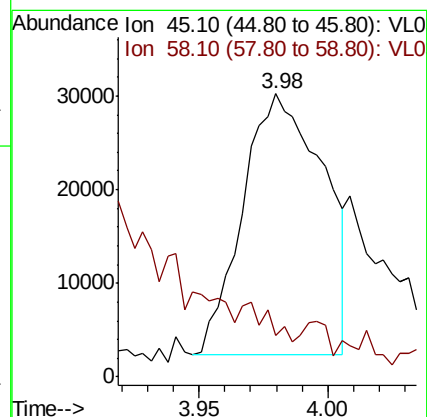
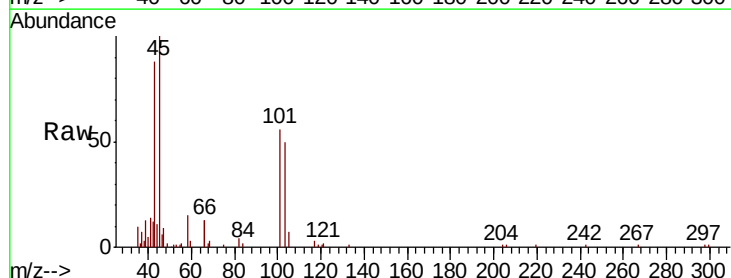
Acq: 12 Aug 2021 23:23

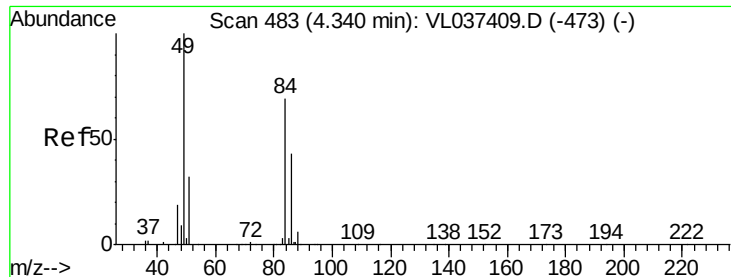
Tgt Ion: 45 Resp: 60688

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#

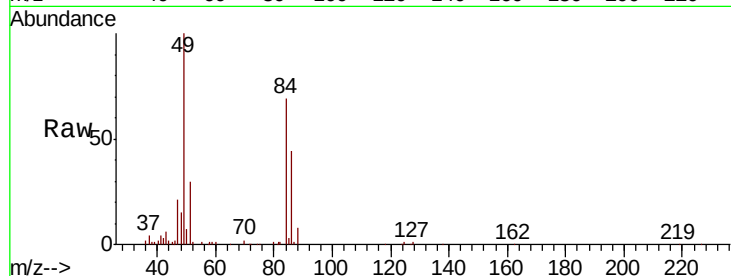




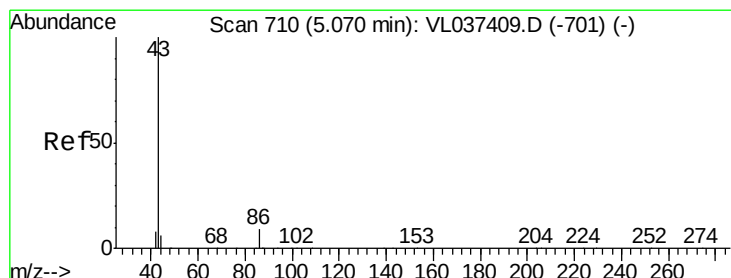
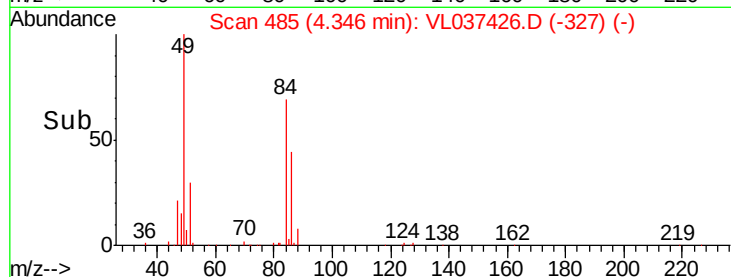
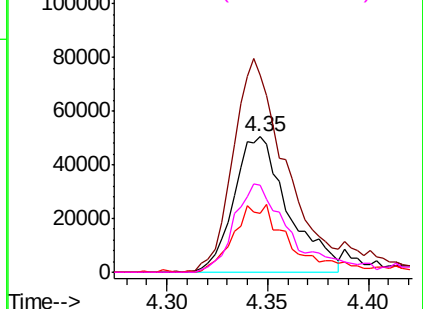
#20
Methvlene Chloride
Concen: 1.332 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 94818
Ion Ratio Lower Upper
84 100
49 144.4 116.0 174.0
51 42.6 37.1 55.7
86 64.0 49.4 74.0

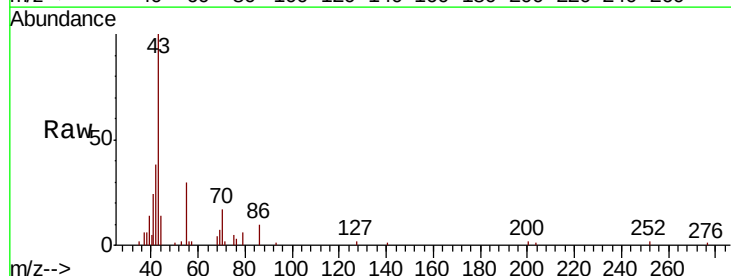


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

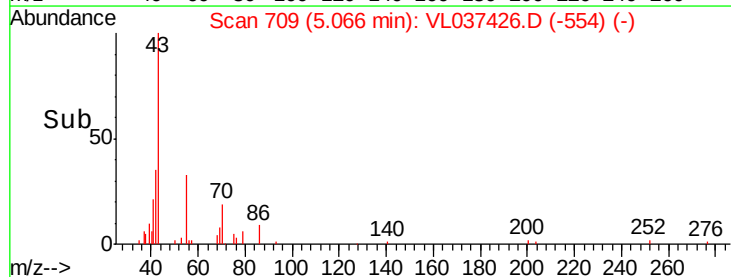
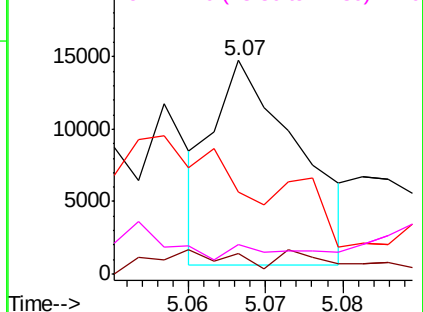


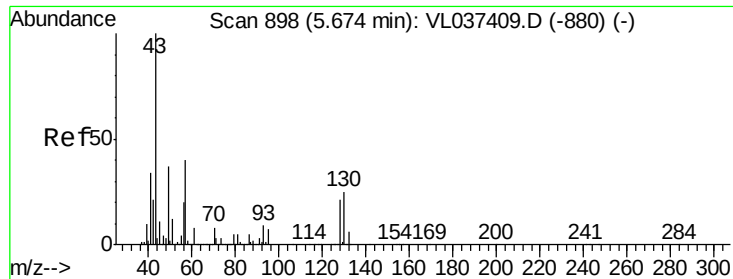
#23
Vinyl Acetate
Concen: 0.052 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Tgt Ion: 43 Resp: 10793
Ion Ratio Lower Upper
43 100
86 7.8 5.8 8.8
42 44.6 7.7 11.5#
44 7.1 4.0 6.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

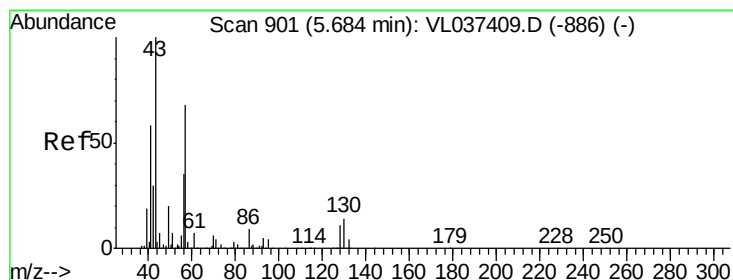
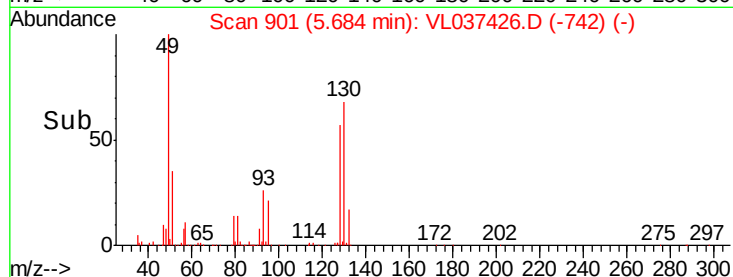
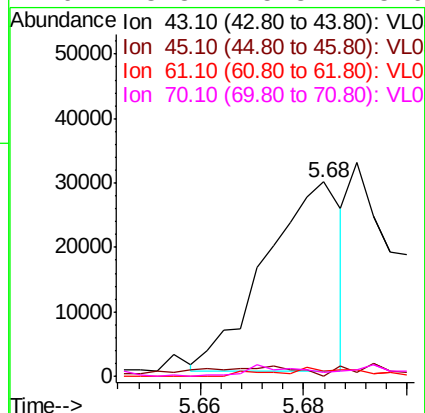
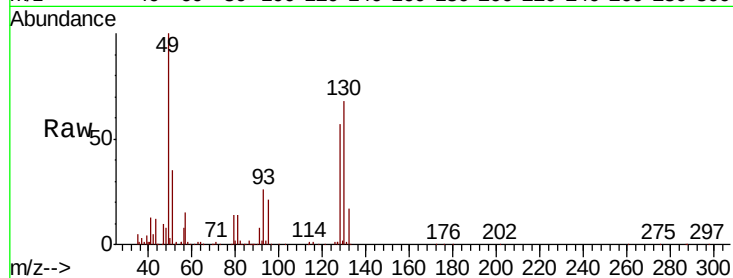




#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

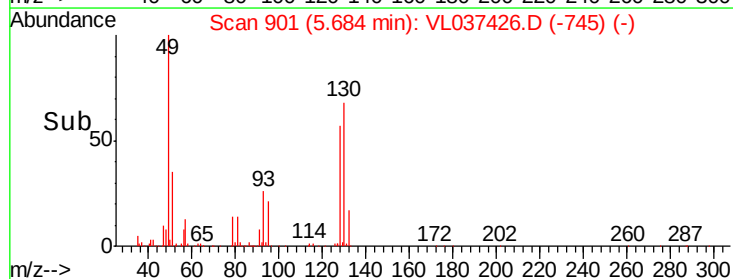
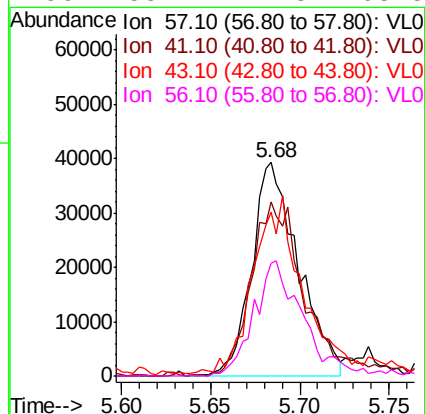
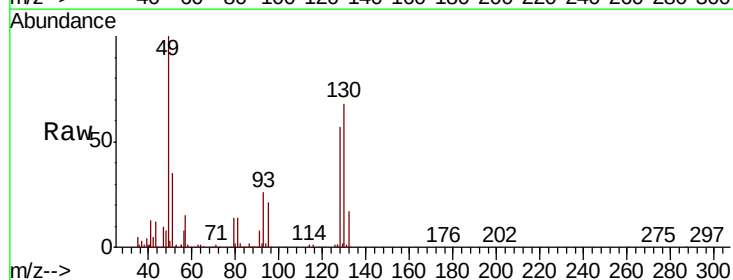
Instrument :
MSVOA_L
ClientSampled :

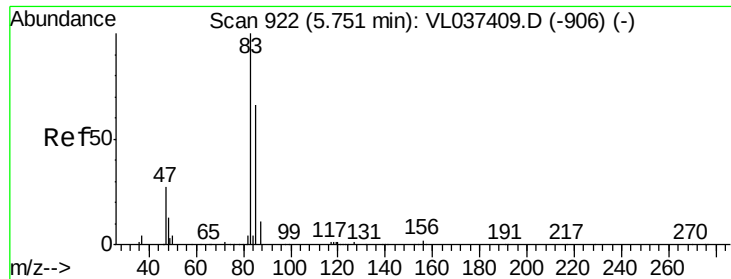
Tot Ion:	43	Resp:	30123
Ion	Ratio	Lower	Upper
43	100		
45	7.6	7.9	11.9#
61	4.4	7.7	11.5#
70	8.8	5.8	8.6#



#26
Hexane
Concen: 0.437 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Tgt Ion:	57	Resp:	72321
Ion	Ratio	Lower	Upper
57	100		
41	96.5	72.5	108.7
43	93.6	169.3	253.9#
56	55.7	42.3	63.5

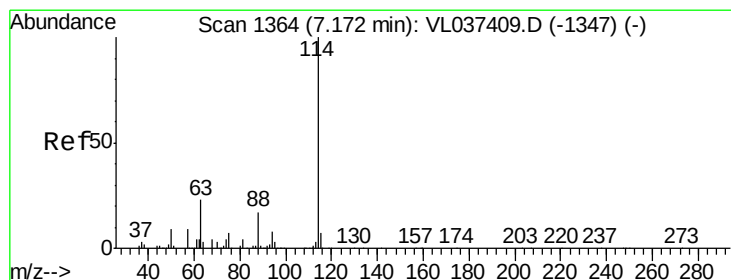
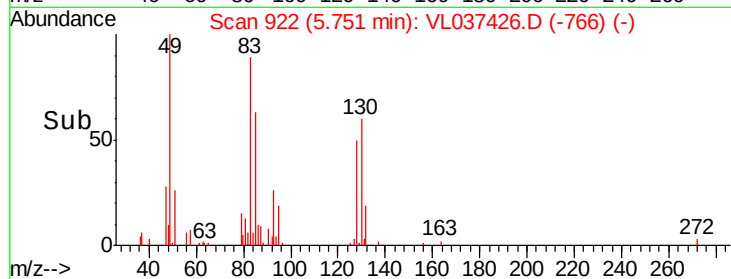
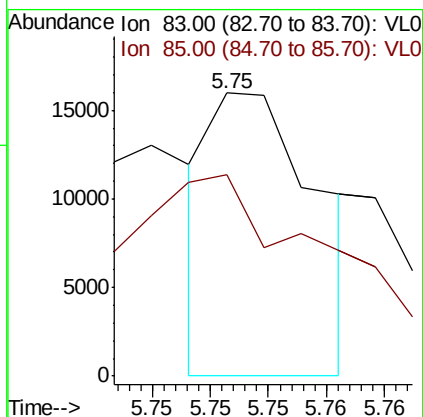
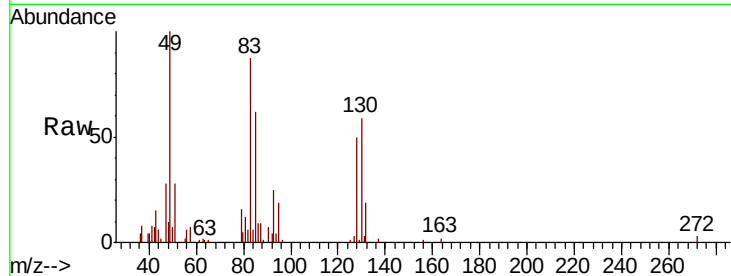




#29
Chloroform
Concen: 0.044 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

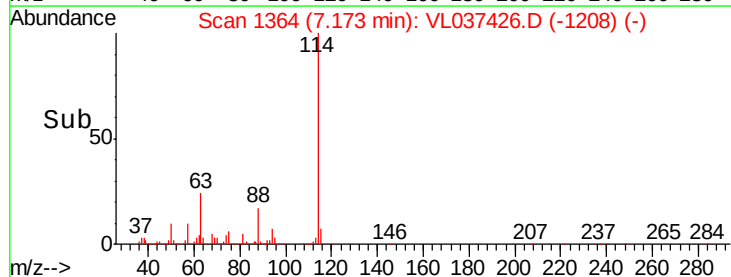
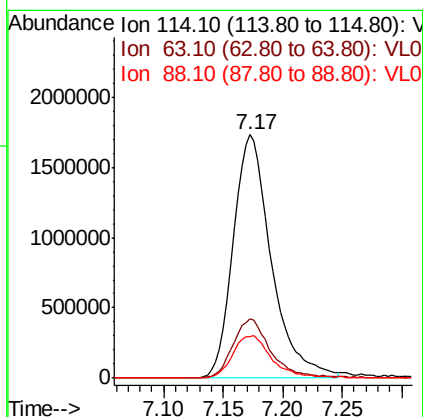
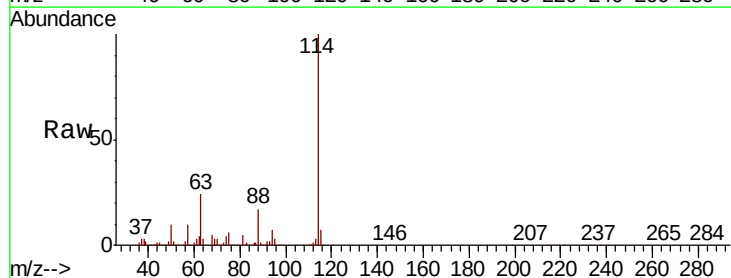
Instrument :
MSVOA_L
ClientSampled :

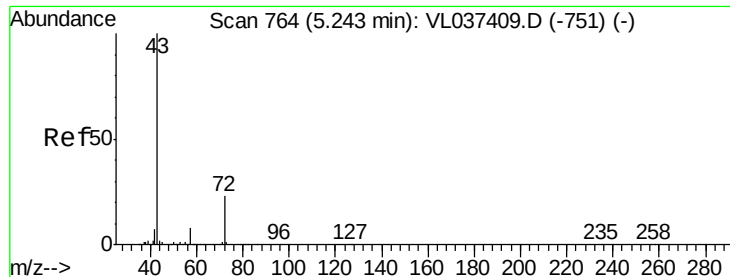
Tot Ion: 83 Resp: 10157
Ion Ratio Lower Upper
83 100
85 73.9 52.4 78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Tgt Ion: 114 Resp: 3848257
Ion Ratio Lower Upper
114 100
63 24.5 19.4 29.2
88 18.2 14.2 21.4

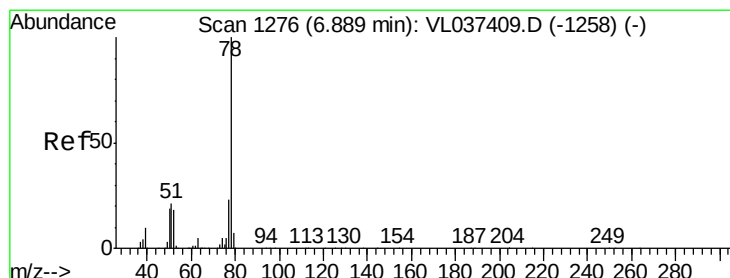
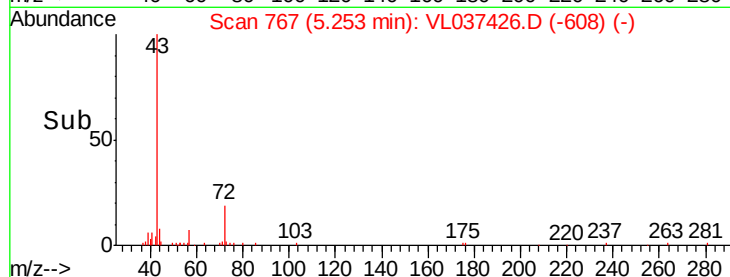
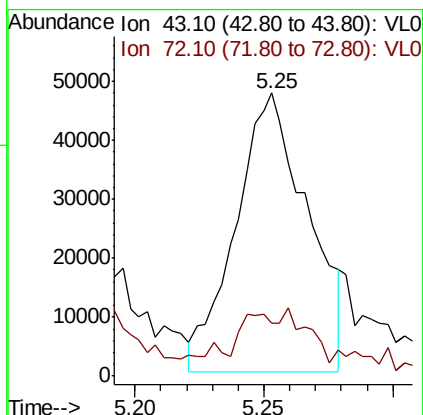
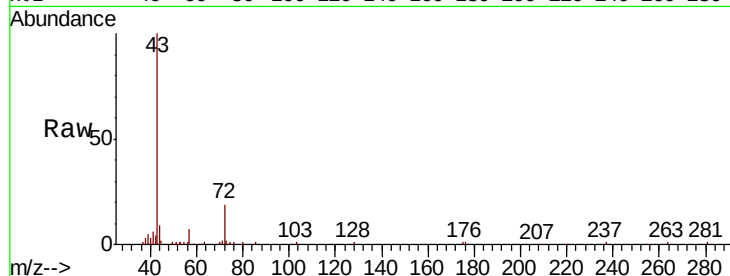




#34
2-Butanone
Concen: 0.578 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.01 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

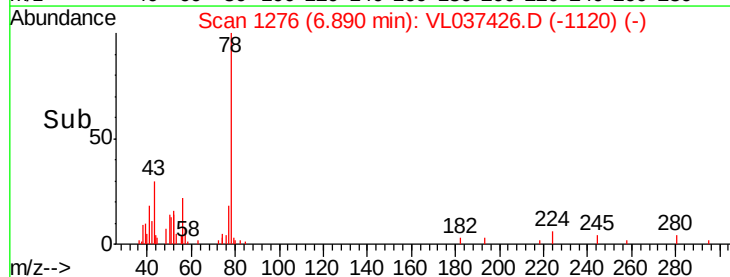
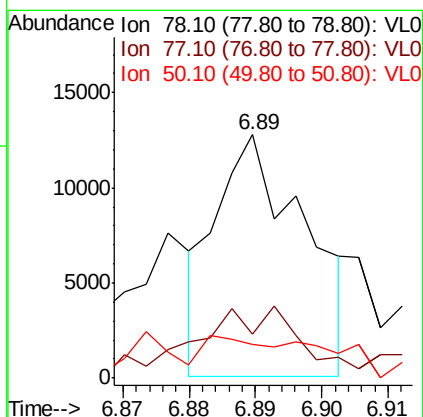
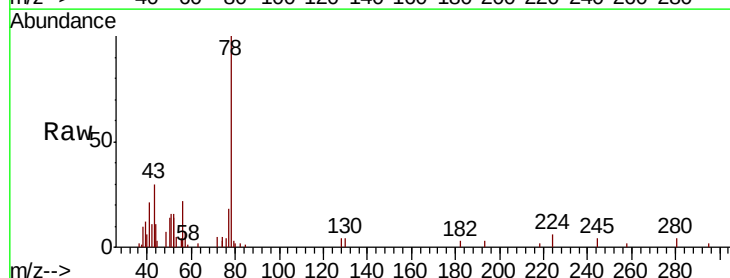
Instrument :
MSVOA_L
ClientSampleId :

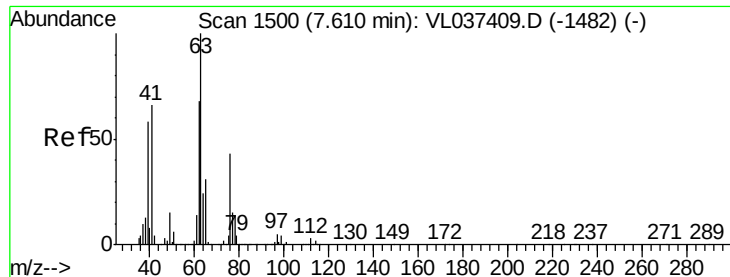
Tot Ion: 43 Resp: 91869
Ion Ratio Lower Upper
43 100
72 37.9 17.7 26.5#



#36
Benzene
Concen: 0.037 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Tgt Ion: 78 Resp: 11923
Ion Ratio Lower Upper
78 100
77 18.5 18.6 27.8#
50 17.1 14.9 22.3

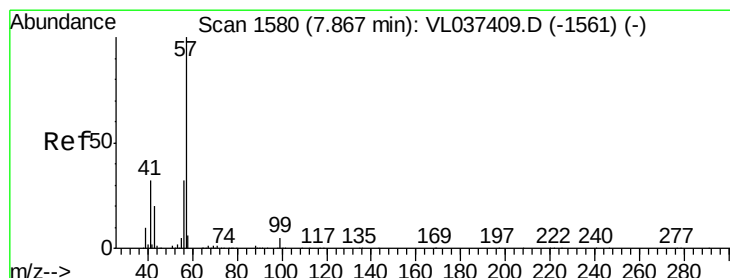
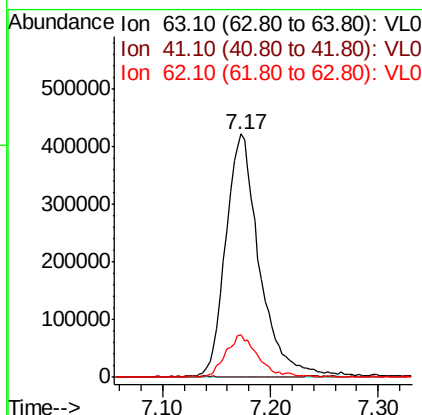
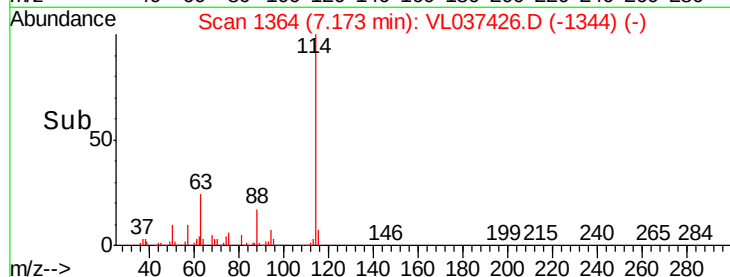
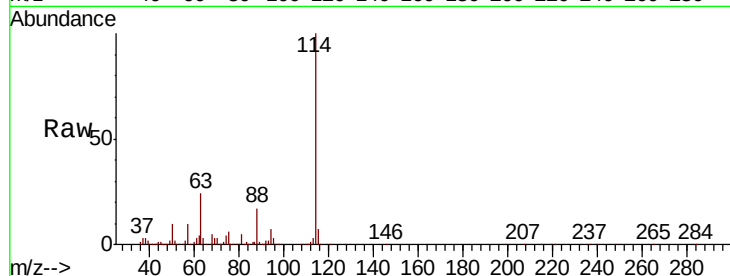




#39
 1,2-Dichloropropane
 Concen: 7.476 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.44 min
 Lab File: VL037426.D
 Acq: 12 Aug 2021 23:23

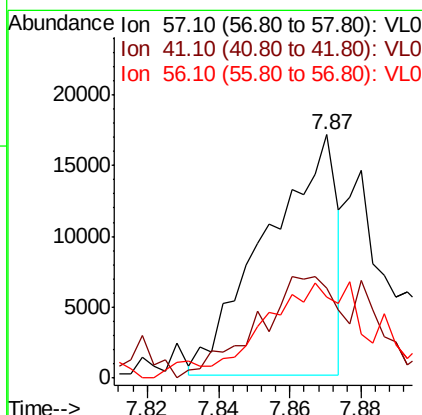
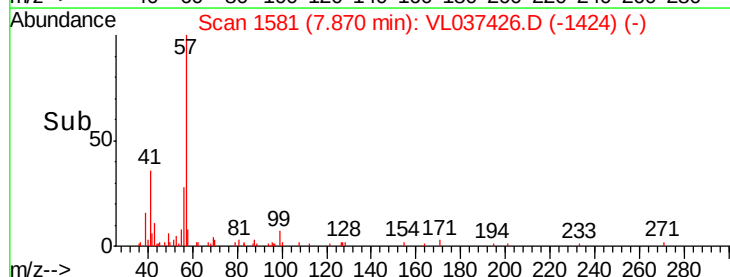
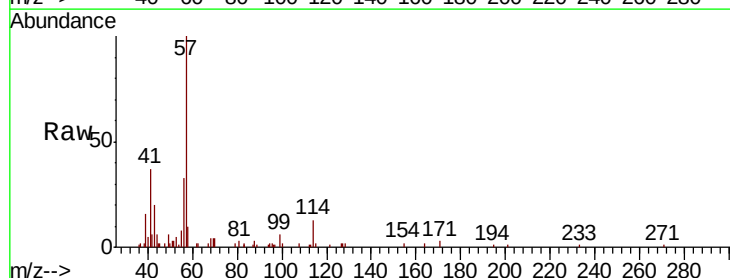
Instrument :
 MSVOA_L
 ClientSampleId :

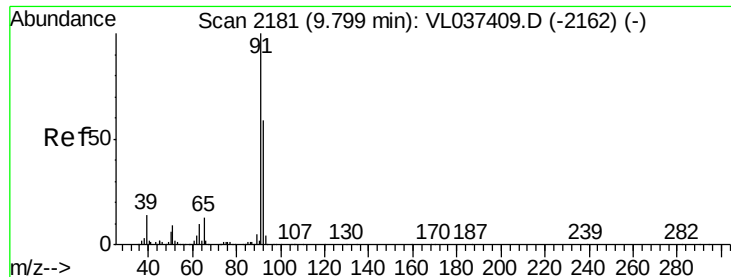
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	17.2	54.5	81.7#



#44
 2,2,4-Trimethylpentane
 Concen: 0.043 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL037426.D
 Acq: 12 Aug 2021 23:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	72.7	26.4	39.6#
56	0.0	25.0	37.4#





#53

Toluene

Concen: 0.730 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

Instrument :

MSVOA_L

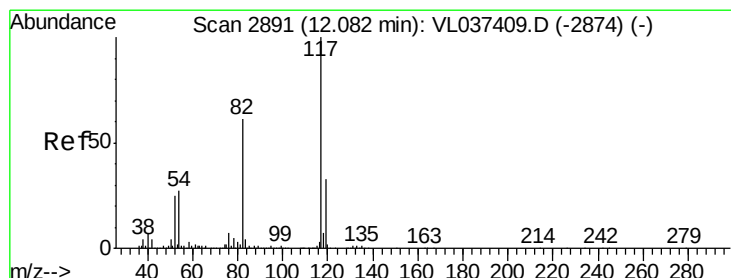
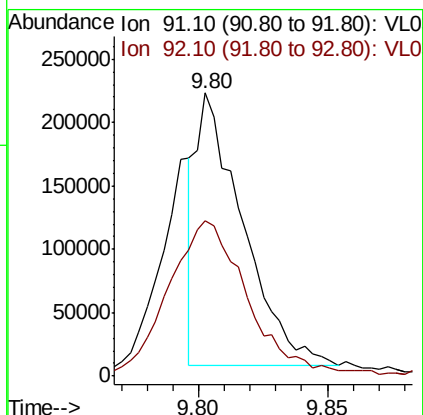
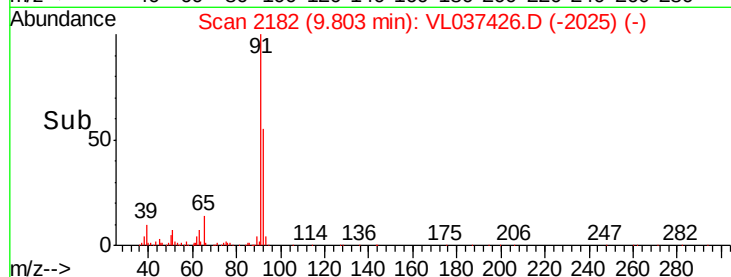
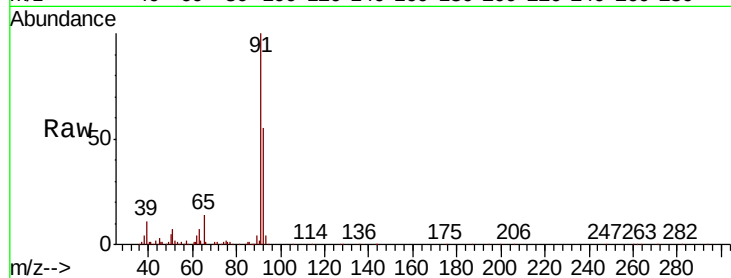
ClientSampleId :

Tot Ion: 91 Resp: 270330

Ion Ratio Lower Upper

91 100

92 100.7 49.0 73.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

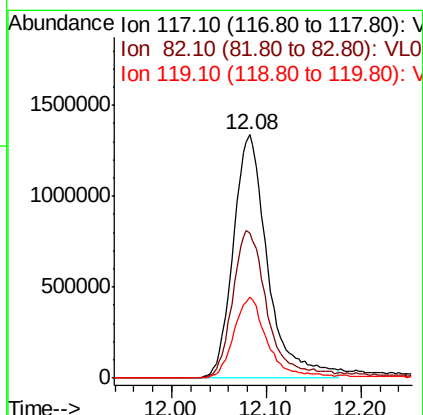
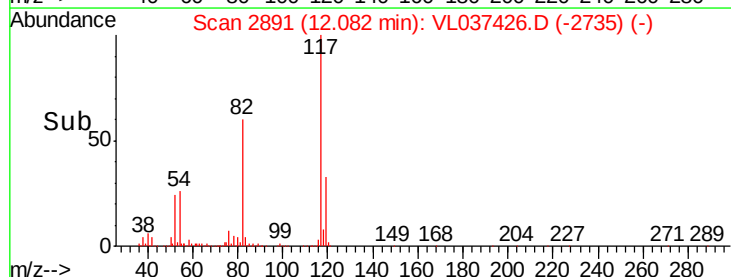
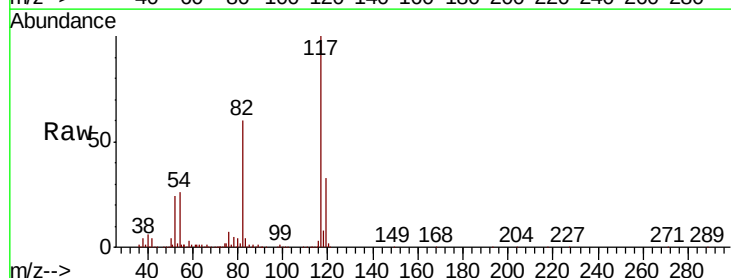
Tgt Ion: 117 Resp: 3390322

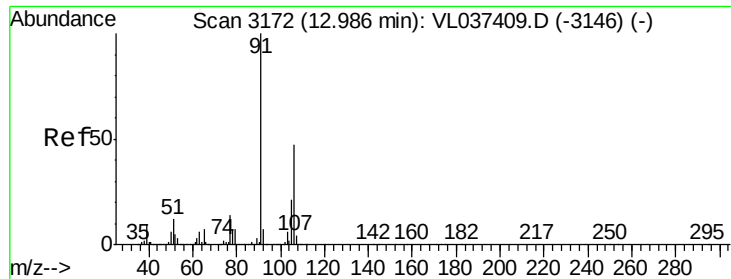
Ion Ratio Lower Upper

117 100

82 65.0 53.1 79.7

119 33.8 28.0 42.0

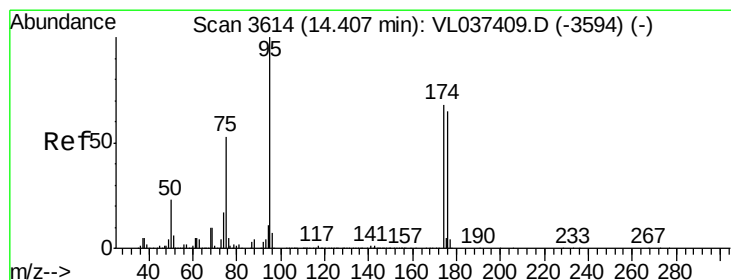
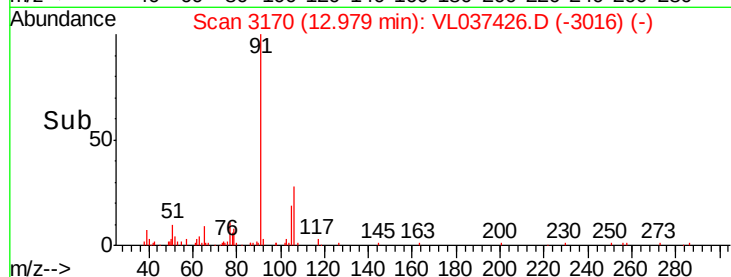
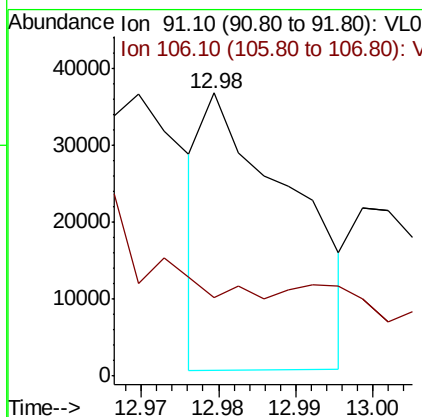
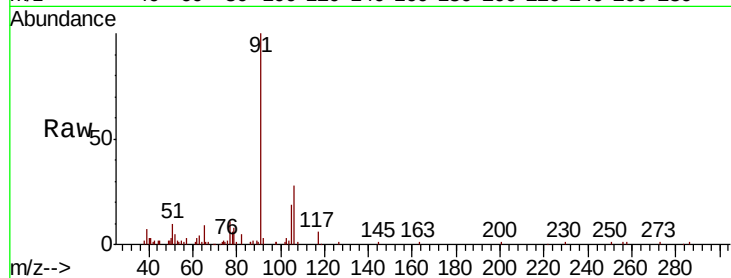




#59
m/p-Xylene
Concen: 0.072 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

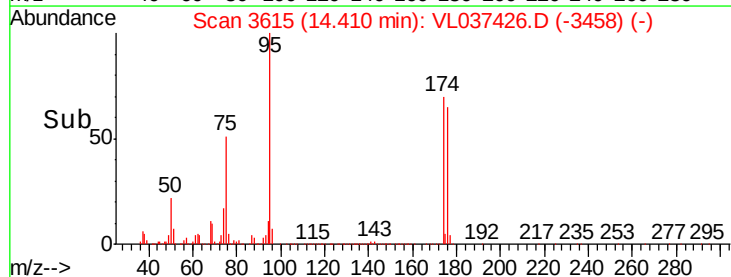
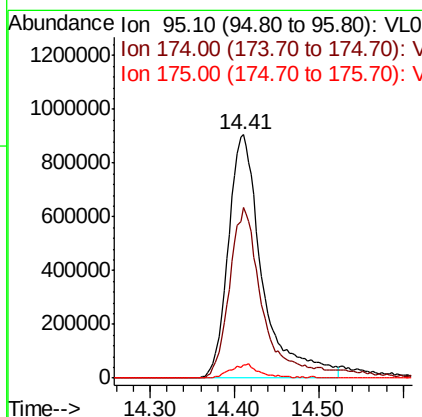
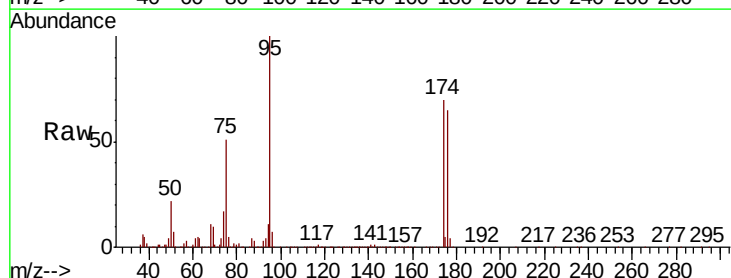
Instrument :
MSVOA_L
ClientSampled :

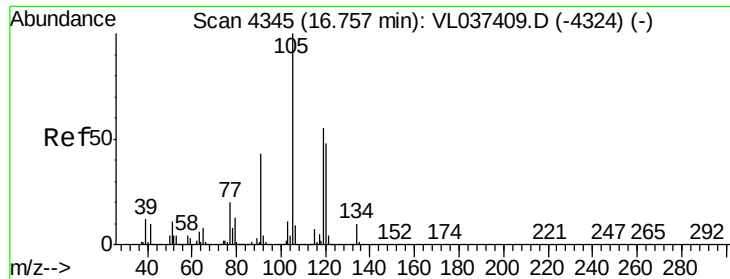
Tot Ion: 91 Resp: 29001
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.464 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.00 min
Lab File: VL037426.D
Acq: 12 Aug 2021 23:23

Tgt Ion: 95 Resp: 2544840
Ion Ratio Lower Upper
95 100
174 72.1 59.6 89.4
175 5.0 4.3 6.5





#74

1,2,4-Trimethylbenzene

Concen: 0.063 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL037426.D

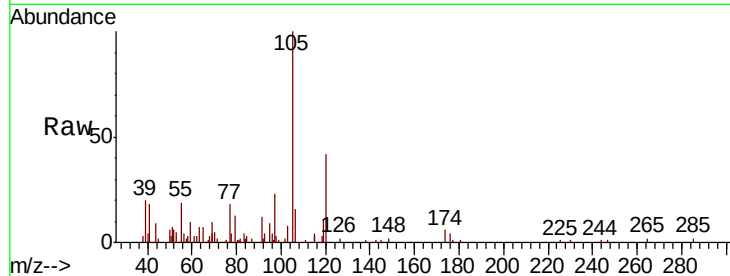
Acq: 12 Aug 2021 23:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	26387
Ion	Ratio	Lower	Upper
105	100		
120	39.7	38.2	57.2
91	10.4	35.4	53.2#
77	17.3	16.2	24.2



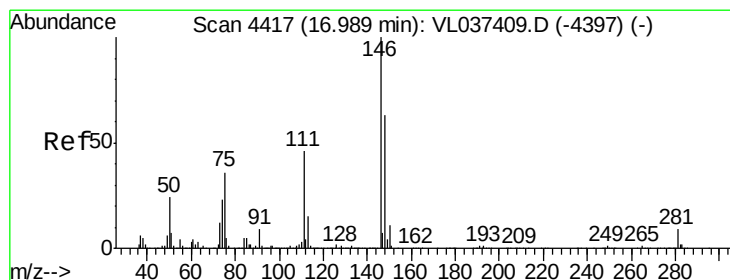
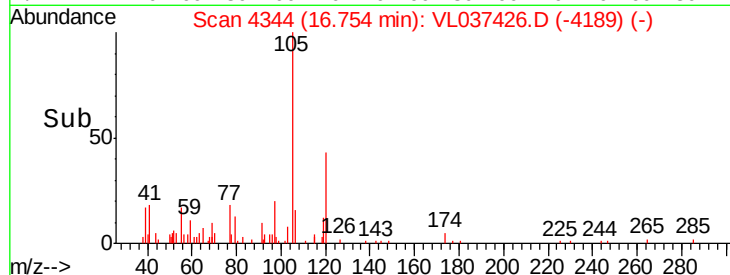
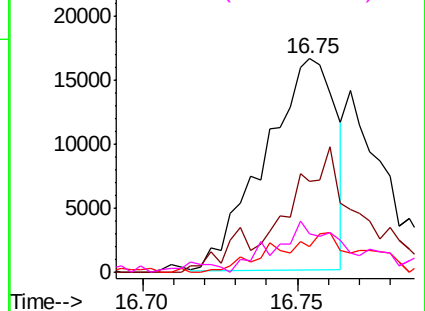
Abundance

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



#75

1,3-Dichlorobenzene

Concen: 1.352 ppbv

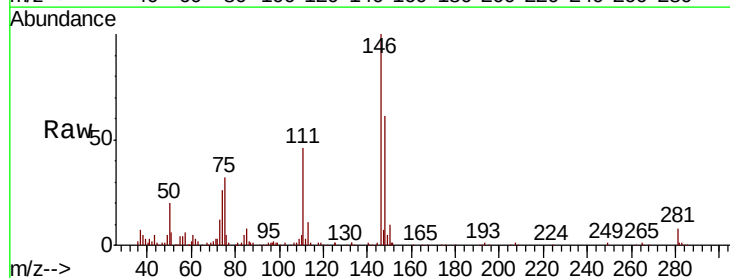
RT: 17.13 min Scan# 4462

Delta R.T. 0.14 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

Tgt Ion:	146	Resp:	348969
Ion	Ratio	Lower	Upper
146	100		
111	47.9	22.9	68.7
148	66.2	32.0	96.2

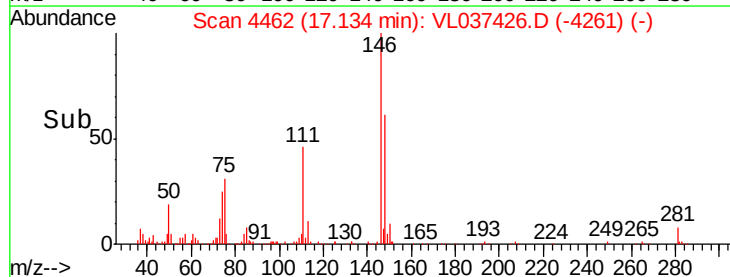
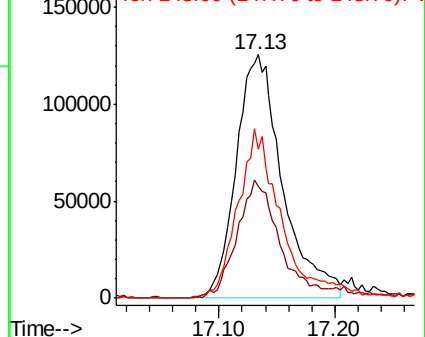


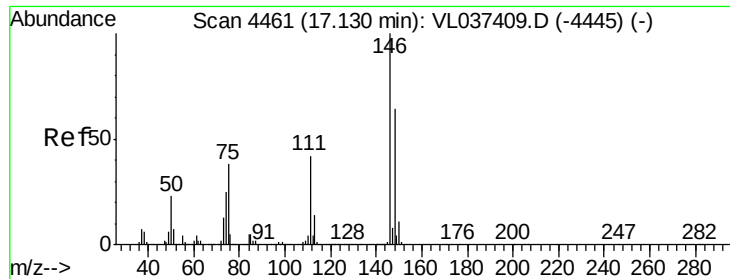
Abundance

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





#76

1,4-Dichlorobenzene

Concen: 1.364 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037426.D

Acq: 12 Aug 2021 23:23

Instrument :

MSVOA_L

ClientSampleId :

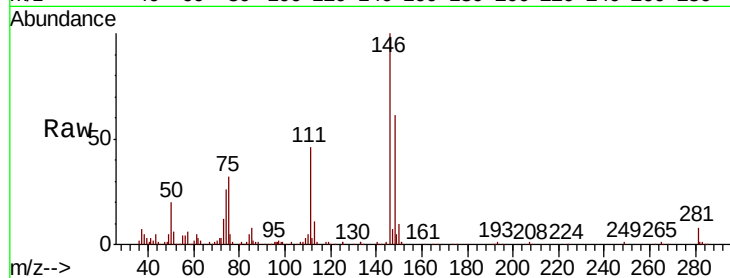
Tot Ion:146 Resp: 348969

Ion Ratio Lower Upper

146 100

111 47.6 22.8 68.4

148 65.7 34.0 102.0



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

