

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037754.D
 Acq On : 1 Oct 2021 23:08
 Operator : SY/AP
 Sample : M4012-12DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P15DL

Quant Time: Oct 02 01:36:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1430250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4080806	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3480791	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2406862	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

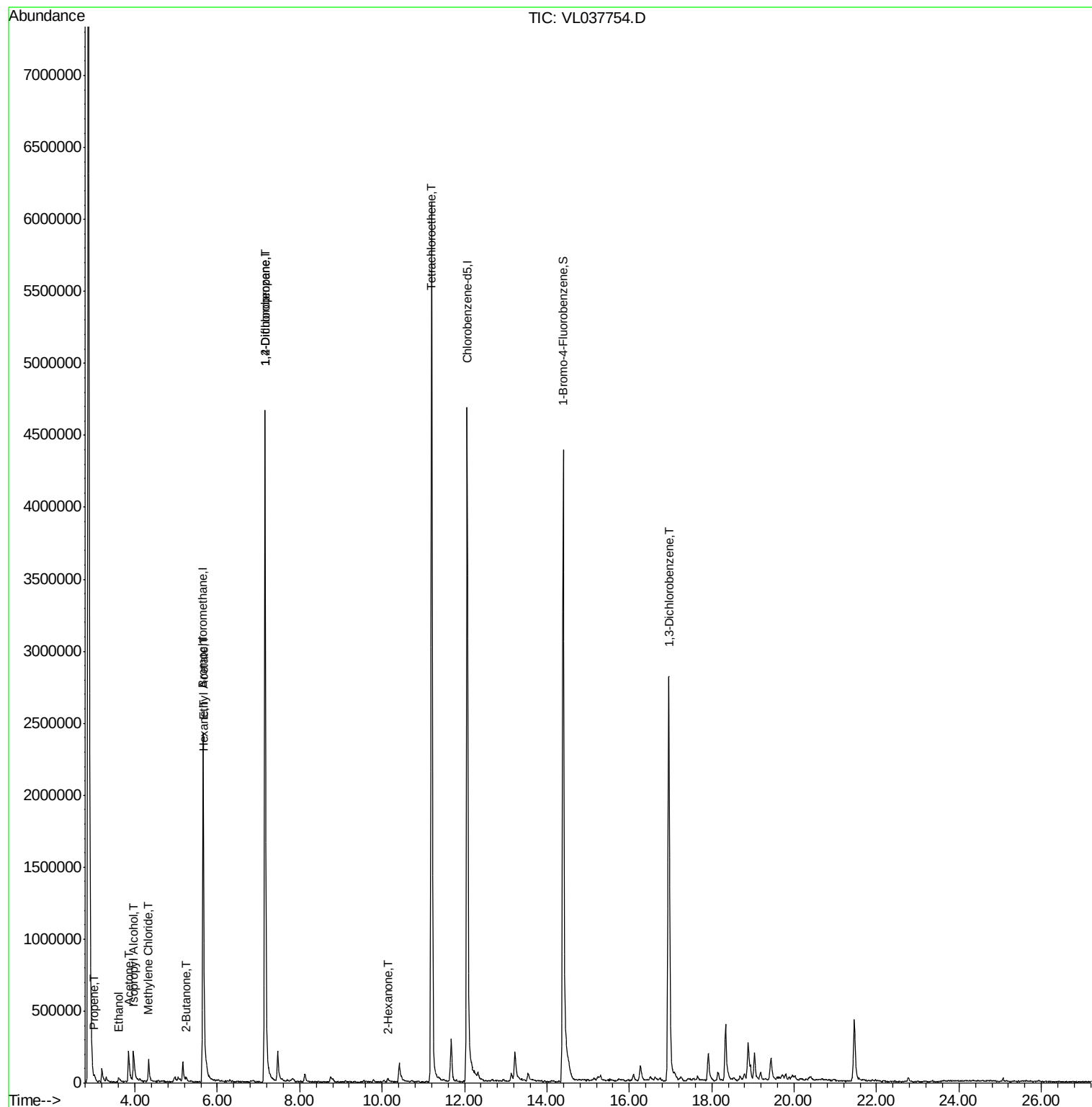
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	6835	0.072	ppbv #	66
13) Ethanol	3.60	45	12426	1.335	ppbv #	33
15) Acetone	3.84	43	305806	2.058	ppbv	93
19) Isopropyl Alcohol	3.96	45	256426	3.171	ppbv #	93
20) Methylene Chloride	4.33	84	37325	0.526	ppbv	97
25) Ethyl Acetate	5.67	43	12635	0.035	ppbv #	84
26) Hexane	5.67	57	17629	0.103	ppbv #	48
34) 2-Butanone	5.24	43	25647	0.155	ppbv #	21
39) 1,2-Dichloropropane	7.16	63	967673	7.424	ppbv #	28
51) 2-Hexanone	10.13	43	11303	0.122	ppbv #	29
52) Tetrachloroethene	11.20	164	1719614	13.163	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	18641	0.069	ppbv #	1

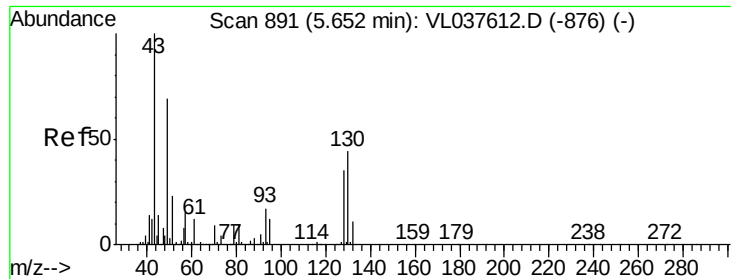
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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C0P15DL

Quant Time: Oct 02 01:36:26 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

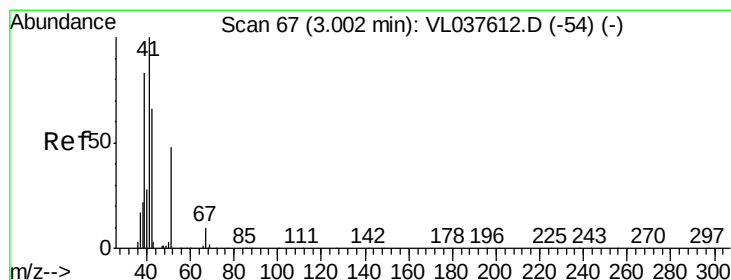
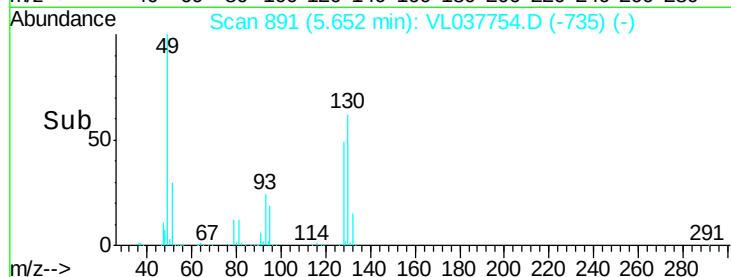
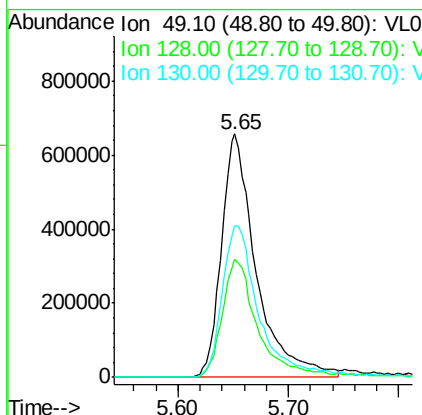
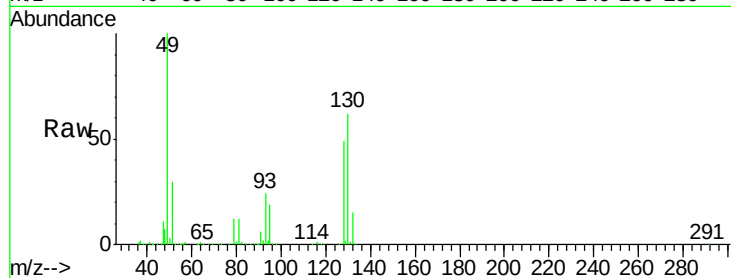




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

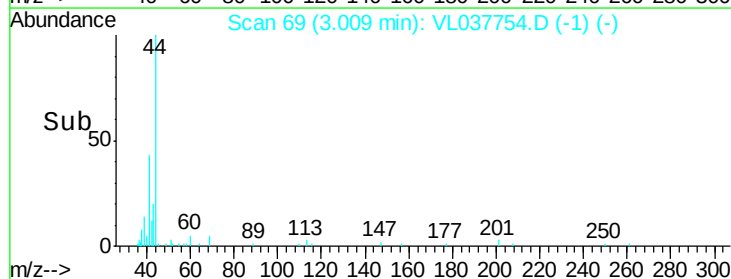
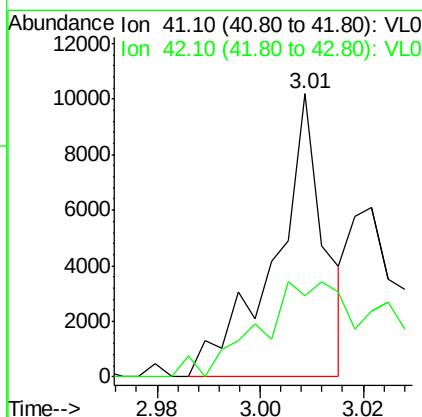
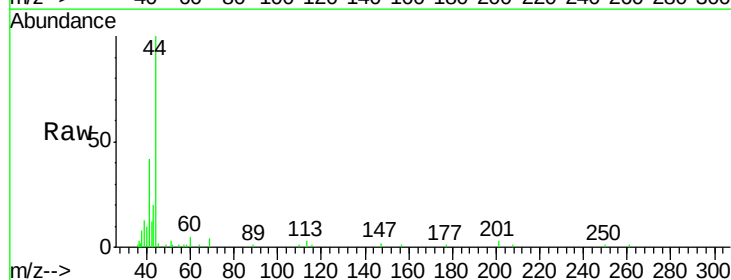
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P15DL

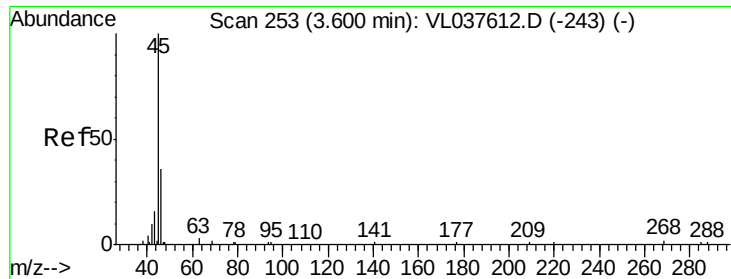
Tgt Ion: 49 Resp: 1430250
 Ion Ratio Lower Upper
 49 100
 128 50.5 27.9 83.6
 130 67.3 33.9 101.7



#9
 Propene
 Concen: 0.072 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Tgt Ion: 41 Resp: 6835
 Ion Ratio Lower Upper
 41 100
 42 99.3 57.2 85.8#

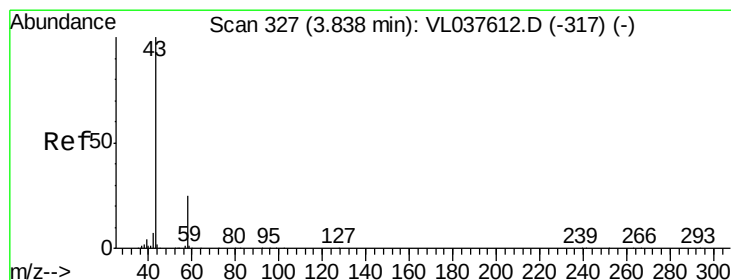
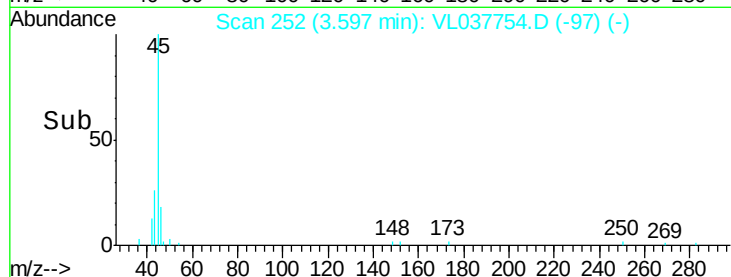
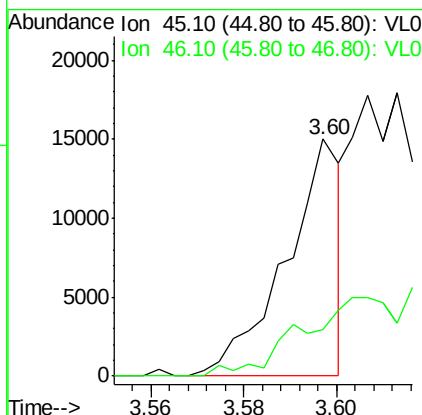
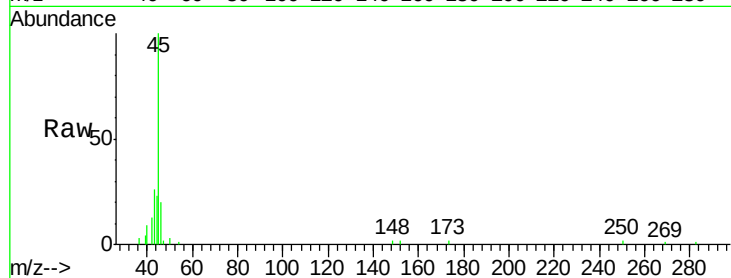




#13
Ethanol
Concen: 1.335 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

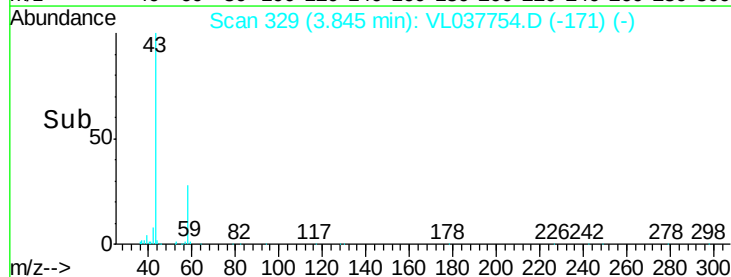
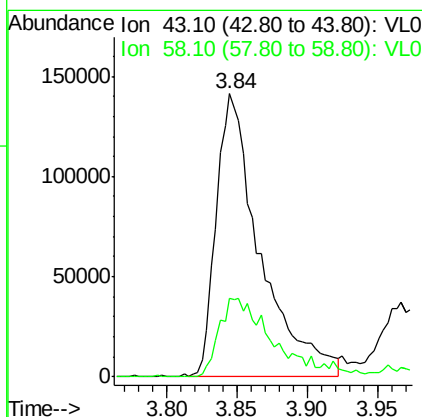
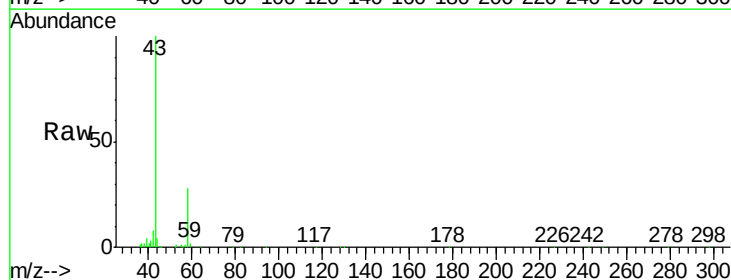
Instrument :
MSVOA_L
ClientSampleId :
C0P15DL

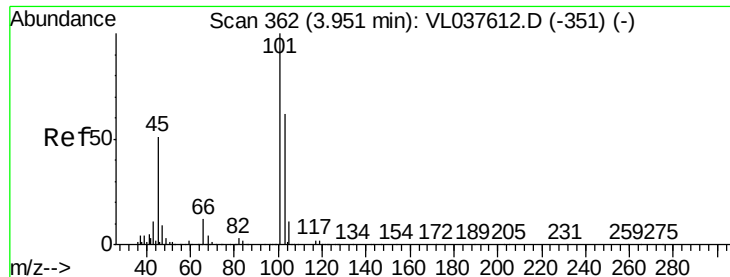
Tgt Ion: 45 Resp: 12426
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#15
Acetone
Concen: 2.058 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion: 43 Resp: 305806
Ion Ratio Lower Upper
43 100
58 35.1 24.9 37.3





#19

Isopropyl Alcohol

Concen: 3.171 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Instrument :

MSVOA_L

ClientSampleId :

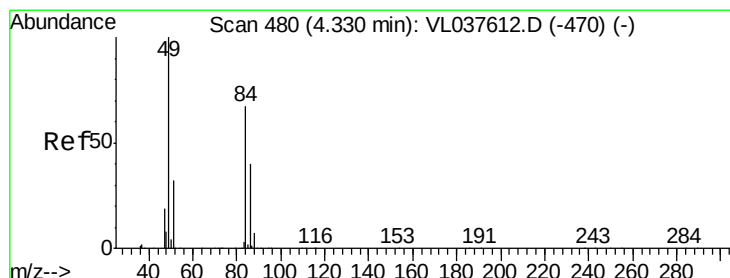
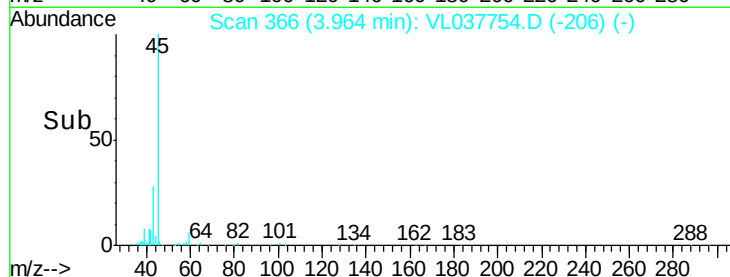
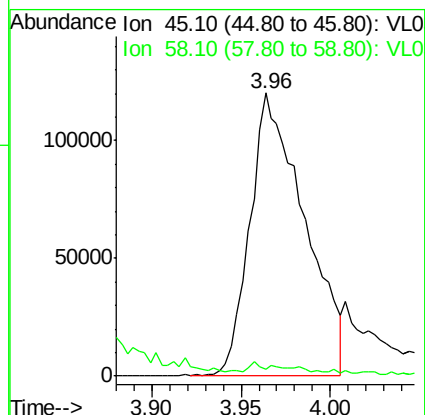
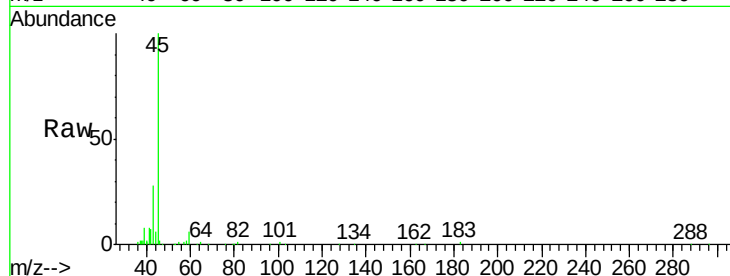
C0P15DL

Tgt Ion: 45 Resp: 256426

Ion Ratio Lower Upper

45 100

58 5.8 2.9 4.3#



#20

Methylene Chloride

Concen: 0.526 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Tgt Ion: 84 Resp: 37325

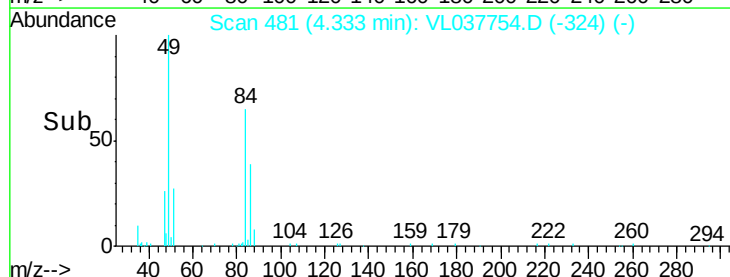
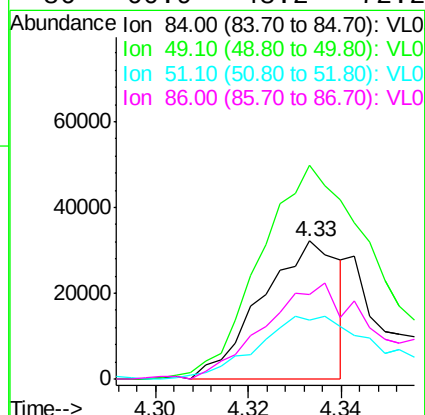
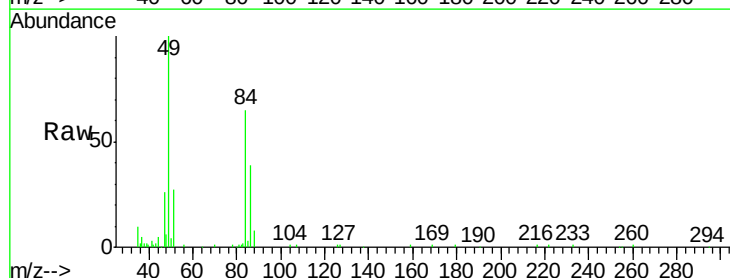
Ion Ratio Lower Upper

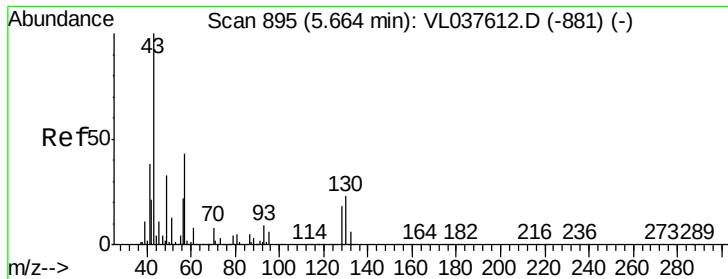
84 100

49 150.1 120.0 180.0

51 39.2 38.0 57.0

86 60.9 48.2 72.2





#25

Ethyl Acetate

Concen: 0.035 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0P15DL

Tgt Ion: 43 Resp: 12635

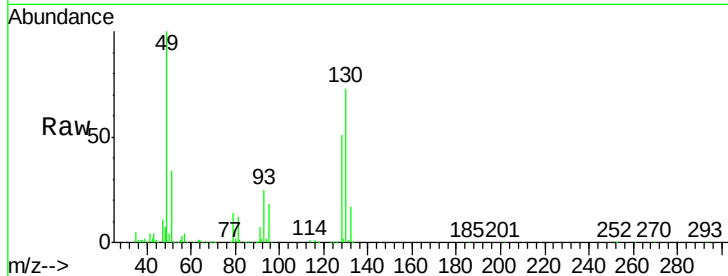
Ion Ratio Lower Upper

43 100

45 0.0 8.0 12.0#

61 9.5 7.5 11.3

70 0.0 5.6 8.4#

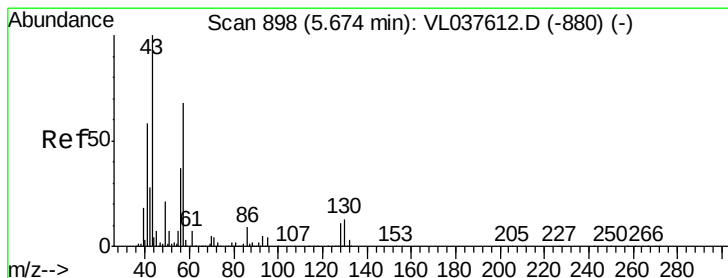
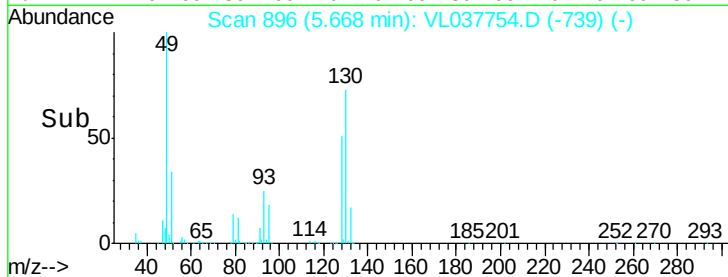
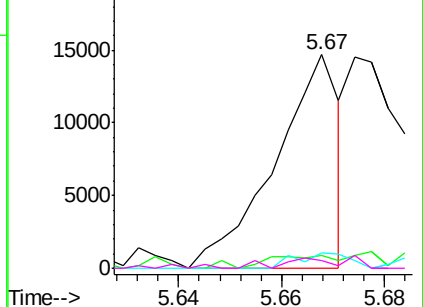


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.103 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Tgt Ion: 57 Resp: 17629

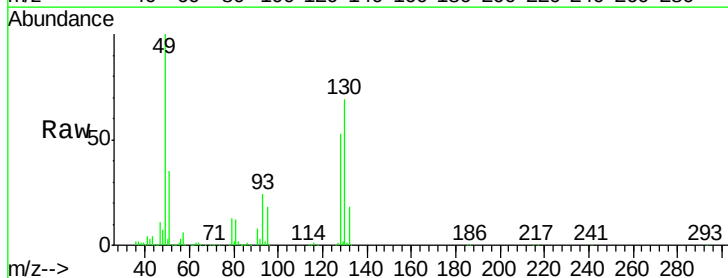
Ion Ratio Lower Upper

57 100

41 171.8 70.9 106.3#

43 166.6 170.4 255.6#

56 112.2 42.6 64.0#

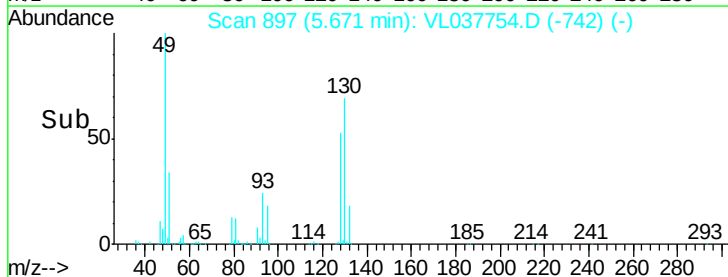
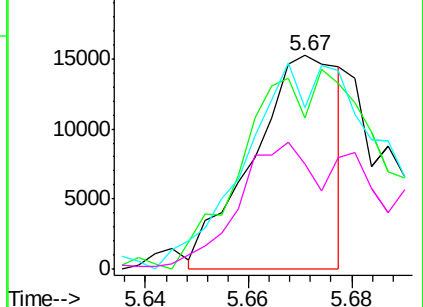


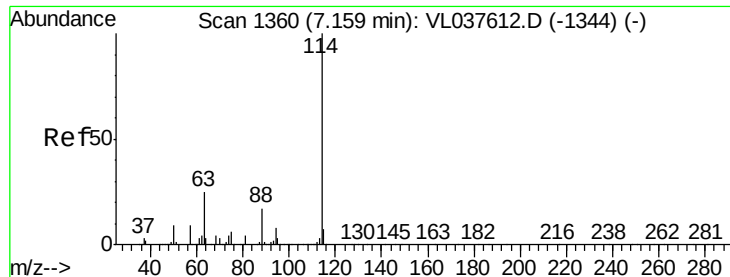
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

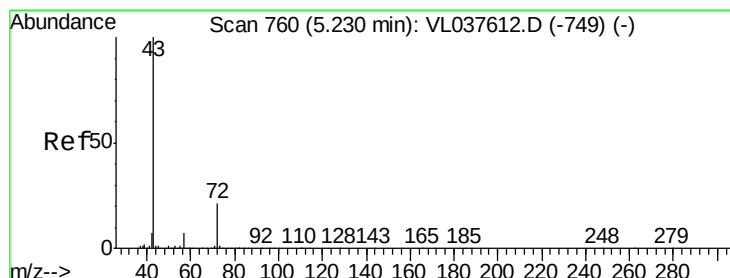
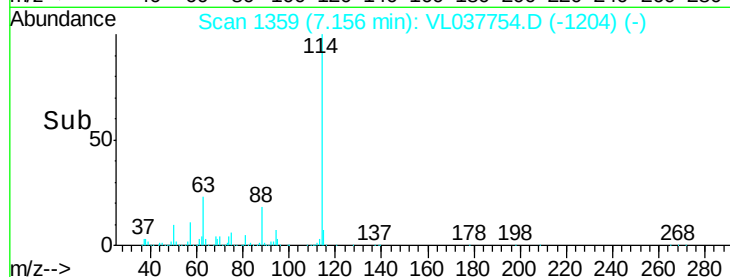
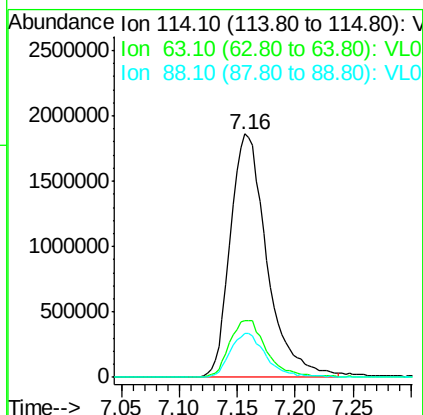
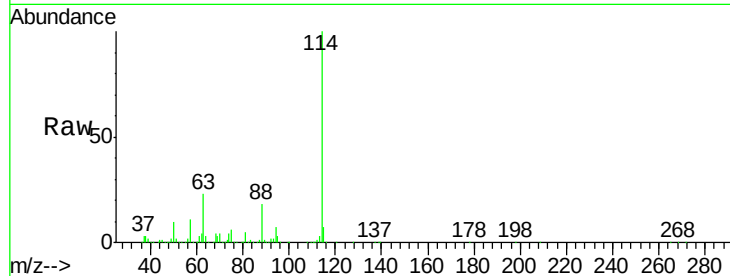




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

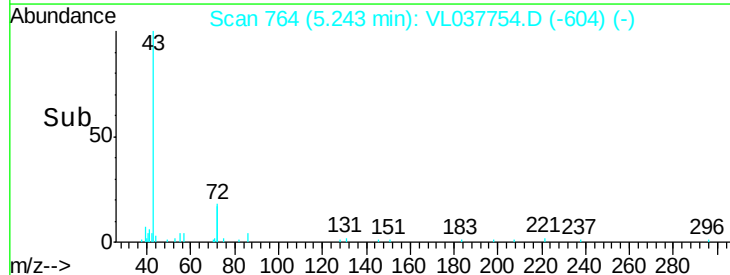
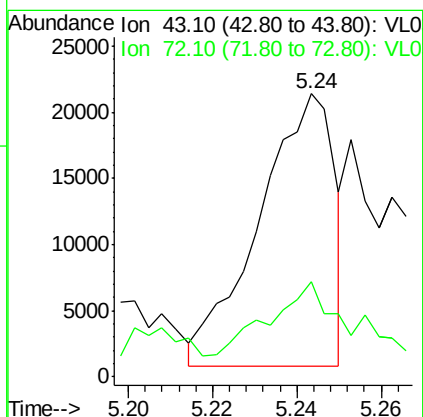
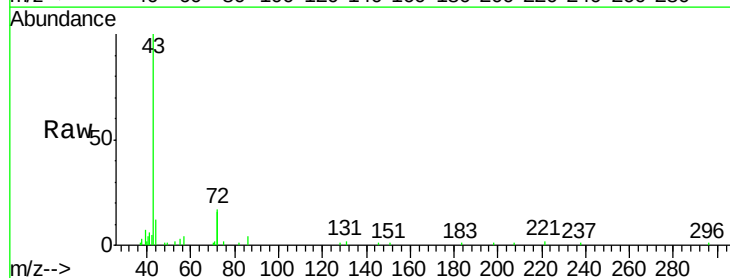
Instrument :
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 C0P15DL

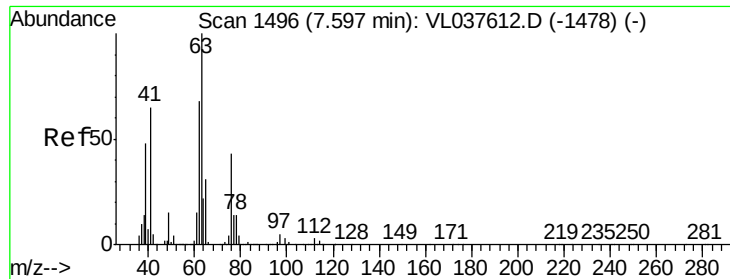
Tgt Ion: 114 Resp: 4080806
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 18.1 14.2 21.4



#34
 2-Butanone
 Concen: 0.155 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Tgt Ion: 43 Resp: 25647
 Ion Ratio Lower Upper
 43 100
 72 61.4 18.4 27.6#





#39

1,2-Dichloropropane

Concen: 7.424 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

Instrument :

MSVOA_L

ClientSampleId :

C0P15DL

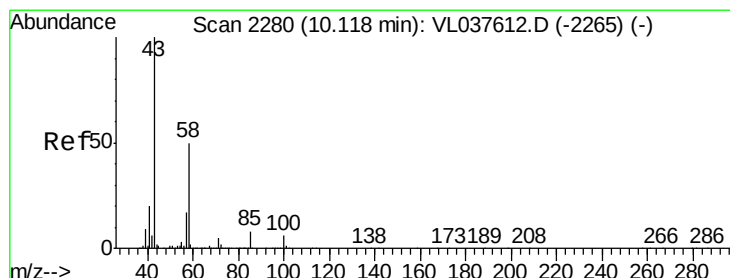
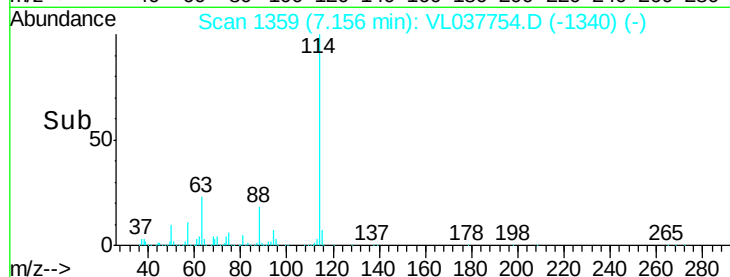
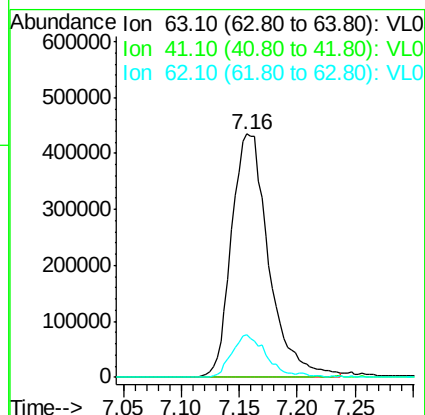
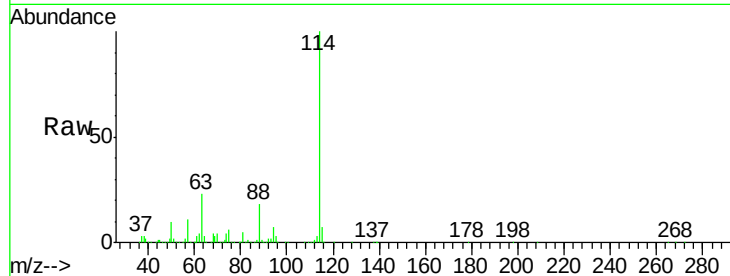
Tgt Ion: 63 Resp: 967673

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 17.5 54.6 81.8#



#51

2-Hexanone

Concen: 0.122 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. 0.01 min

Lab File: VL037754.D

Acq: 1 Oct 2021 23:08

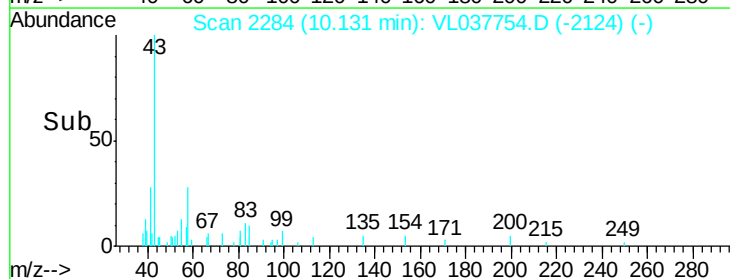
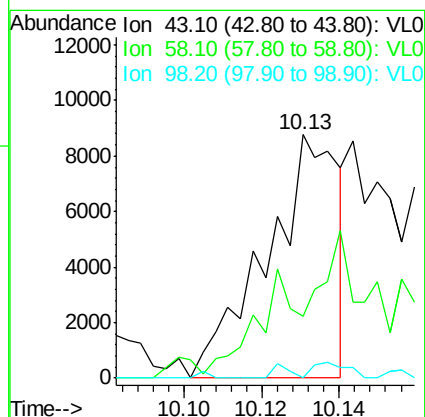
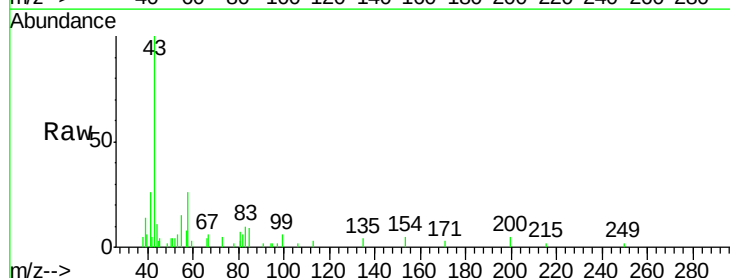
Tgt Ion: 43 Resp: 11303

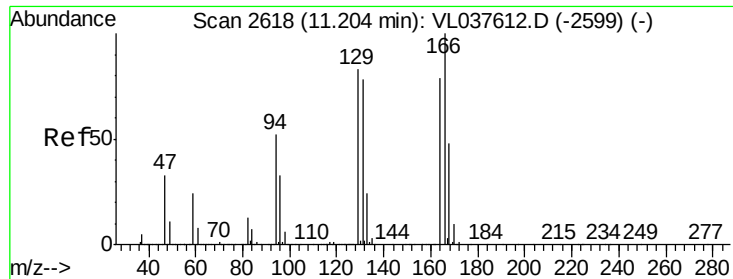
Ion Ratio Lower Upper

43 100

58 0.0 39.3 58.9#

98 0.0 0.4 0.6#

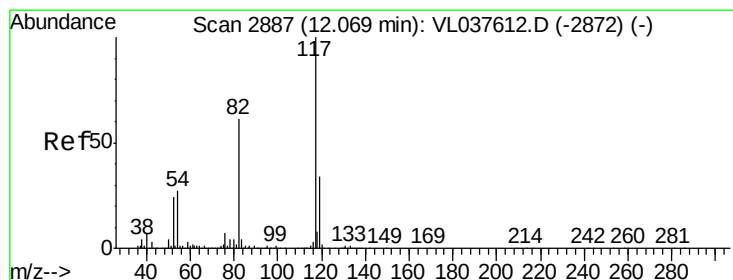
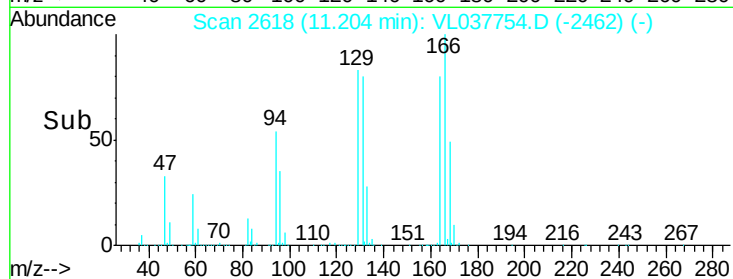
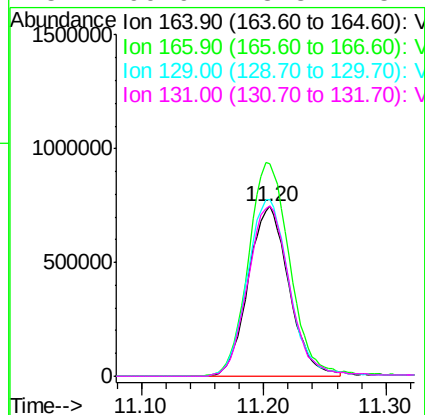
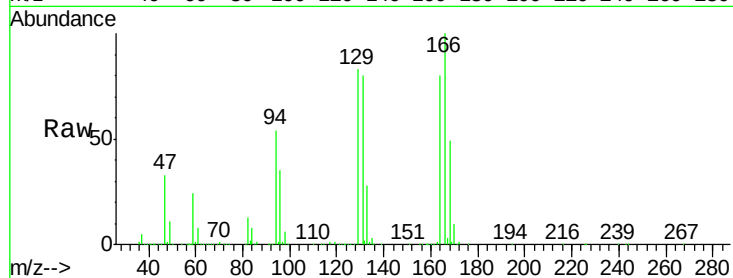




#52
Tetrachloroethene
Concen: 13.163 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

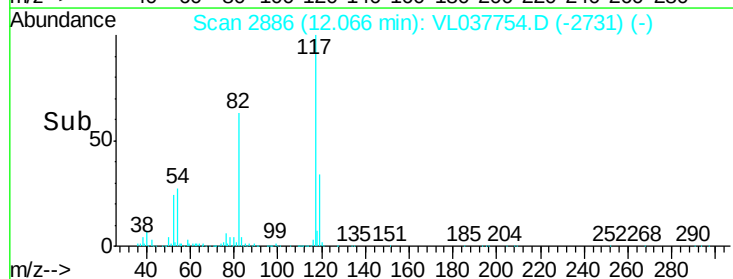
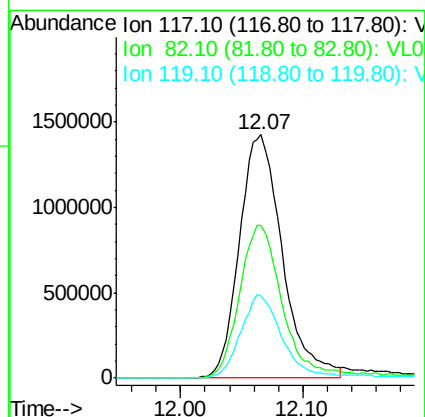
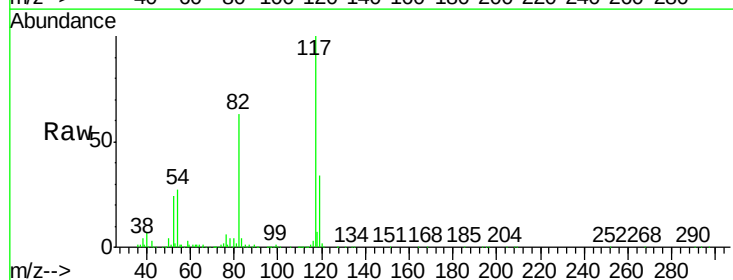
Instrument :
MSVOA_L
ClientSampleID :
C0P15DL

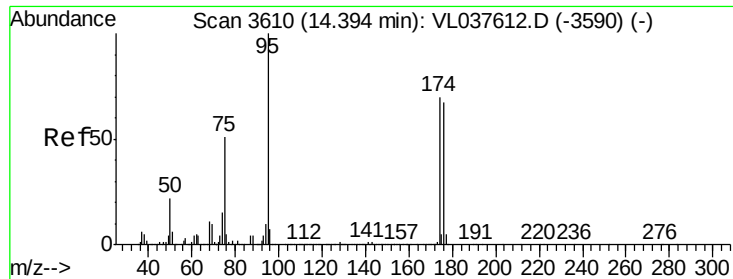
Tgt Ion:164 Resp: 1719614
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 103.6 84.0 126.0
131 99.9 78.8 118.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037754.D
Acq: 1 Oct 2021 23:08

Tgt Ion:117 Resp: 3480791
Ion Ratio Lower Upper
117 100
82 65.5 50.6 75.8
119 34.4 26.2 39.2

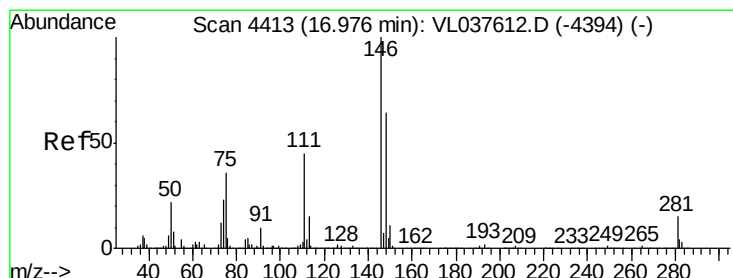
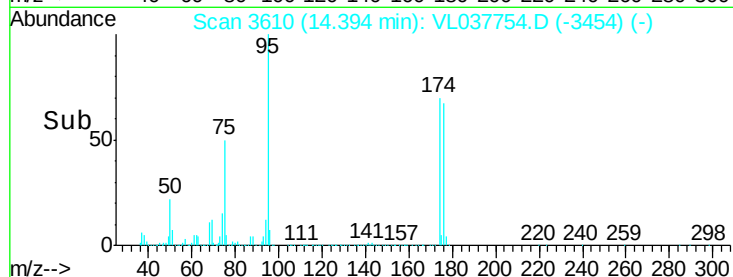
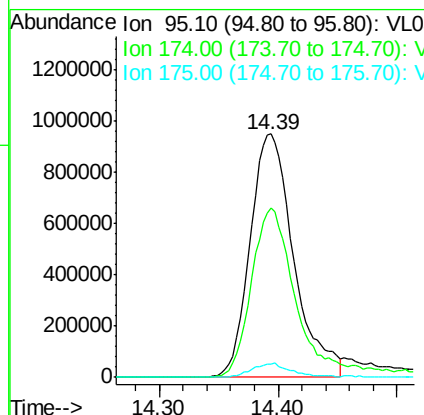
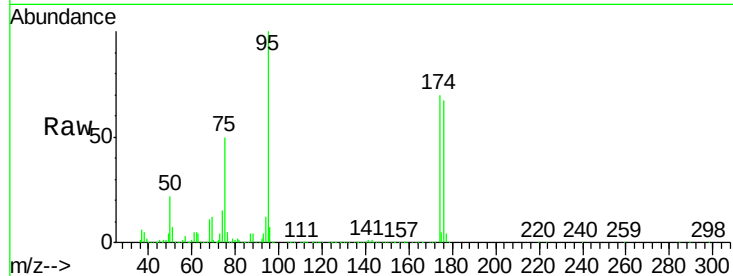




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.568 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P15DL

Tgt Ion: 95 Resp: 2406862
 Ion Ratio Lower Upper
 95 100
 174 76.2 56.3 84.5
 175 5.2 4.4 6.6



#75
 1,3-Dichlorobenzene
 Concen: 0.069 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037754.D
 Acq: 1 Oct 2021 23:08

Tgt Ion: 146 Resp: 18641
 Ion Ratio Lower Upper
 146 100
 111 175.8 22.8 68.3#
 148 133.6 32.1 96.5#

