

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037803.D
 Acq On : 7 Oct 2021 19:44
 Operator : SY/AP
 Sample : M4079-08DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P20DL

Quant Time: Oct 08 10:06:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1520591	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4245890	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3591908	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2485823	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

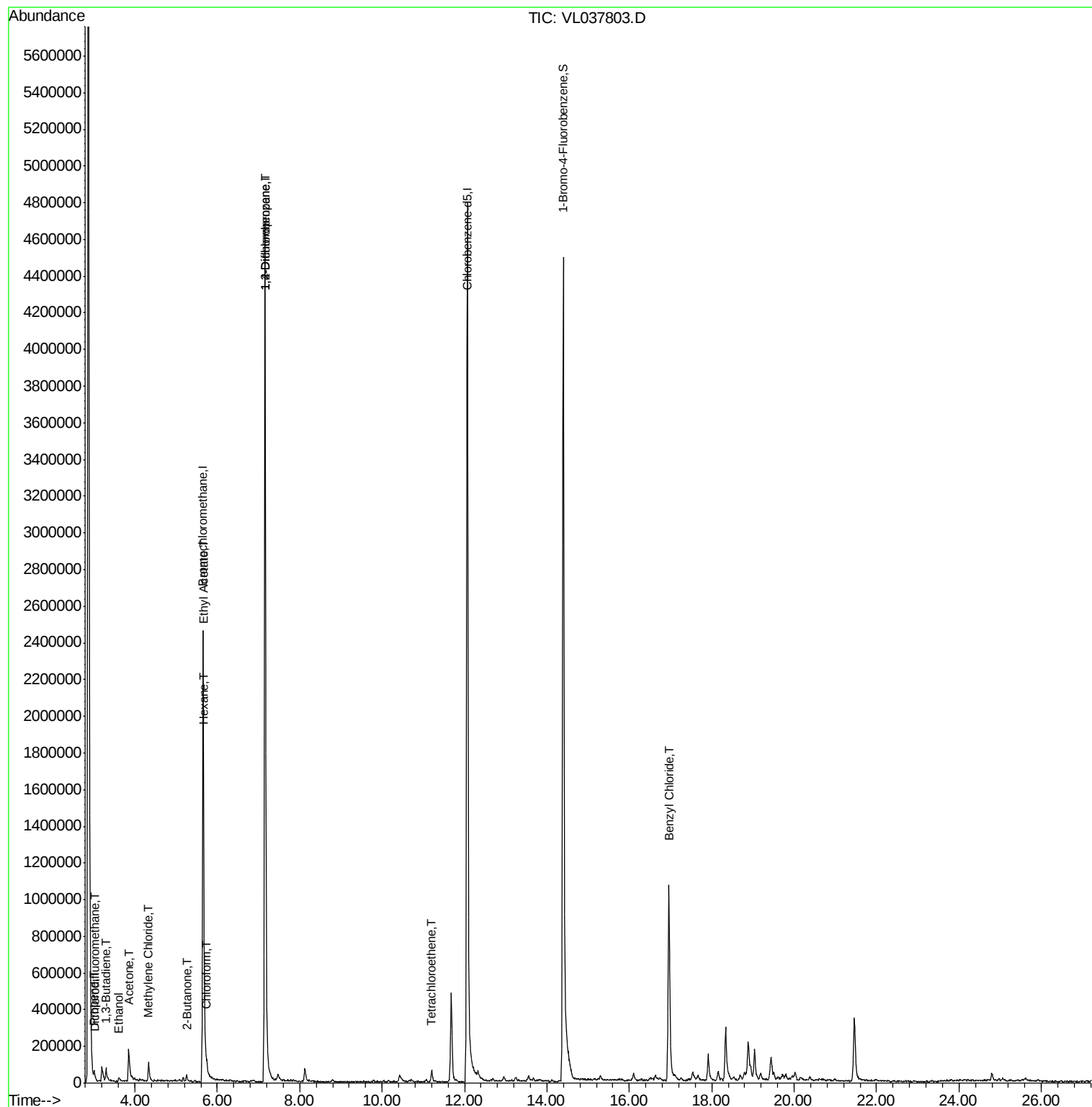
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	7127	0.029	ppbv #	87
9) Propene	3.01	41	9949	0.093	ppbv #	41
13) Ethanol	3.61	45	11873	1.350	ppbv #	50
15) Acetone	3.85	43	272745	1.998	ppbv	93
16) 1,3-Butadiene	3.31	39	5720	0.058	ppbv #	32
20) Methylene Chloride	4.33	84	32367	0.469	ppbv #	87
25) Ethyl Acetate	5.67	43	14406	0.038	ppbv #	78
26) Hexane	5.67	57	19211	0.102	ppbv #	45
29) Chloroform	5.74	83	10846	0.040	ppbv #	69
34) 2-Butanone	5.25	43	20599	0.120	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	980484	7.188	ppbv #	27
52) Tetrachloroethene	11.20	164	8397	0.060	ppbv #	82
66) Benzyl Chloride	16.96	91	809	0.034	ppbv #	1

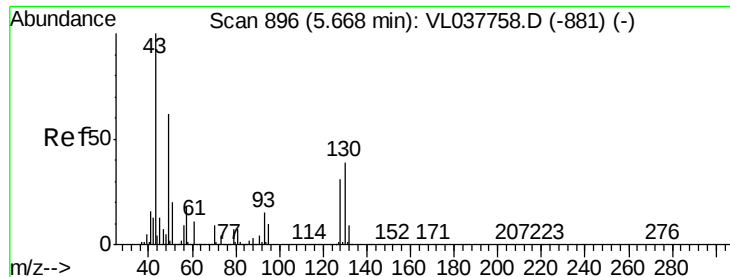
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037803.D

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MSVOA_L

ClientSampleId :

C0P20DL

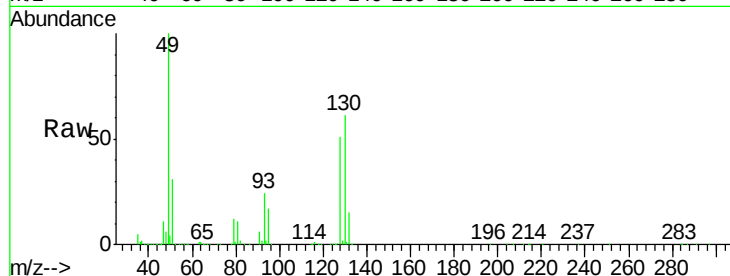
Tgt Ion: 49 Resp: 1520591

Ion Ratio Lower Upper

49 100

128 50.9 27.1 81.3

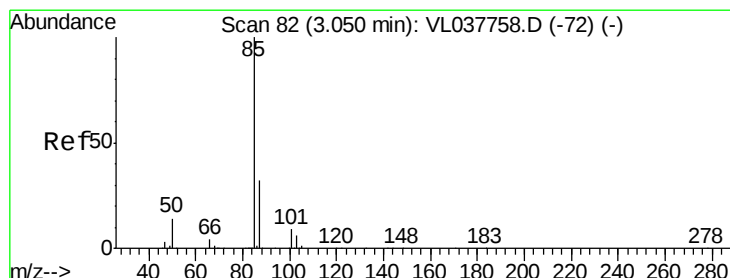
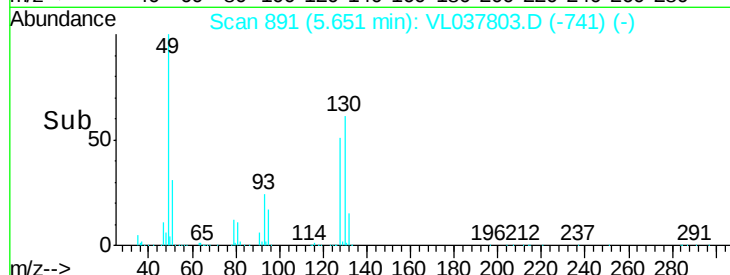
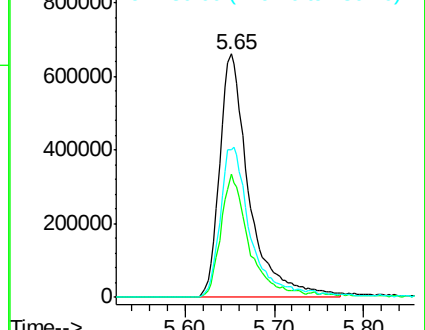
130 65.8 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.029 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037803.D

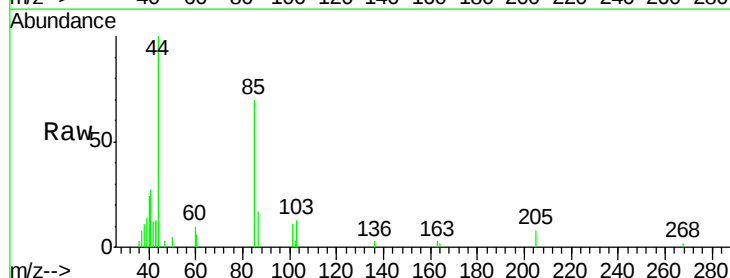
Acq: 7 Oct 2021 19:44

Tgt Ion: 85 Resp: 7127

Ion Ratio Lower Upper

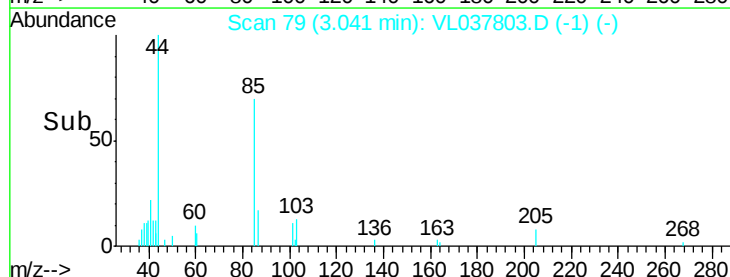
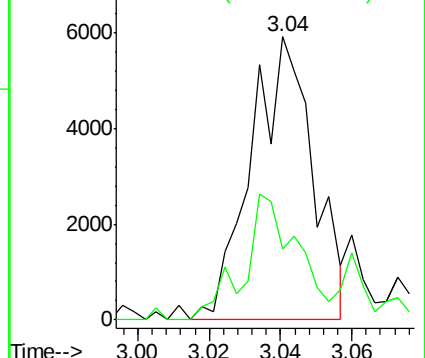
85 100

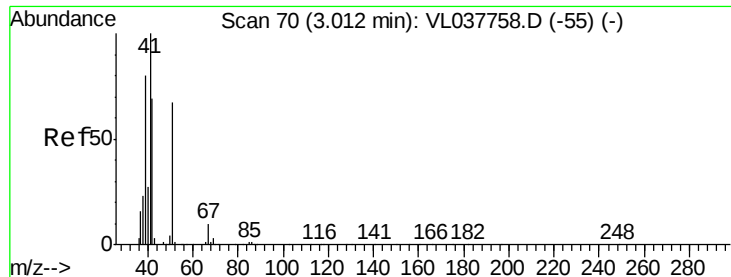
87 24.8 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.093 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037803.D

Acq: 7 Oct 2021 19:44

Instrument :

MSVOA_L

ClientSampleId :

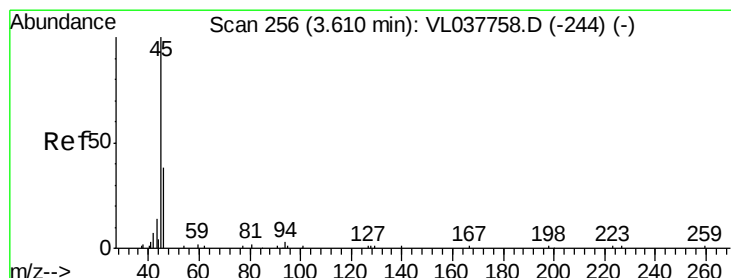
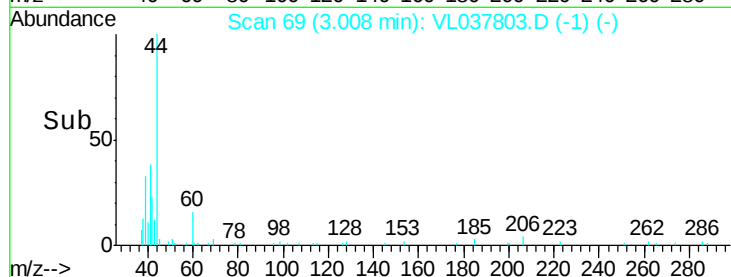
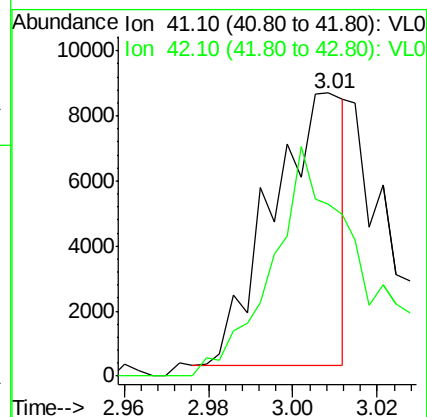
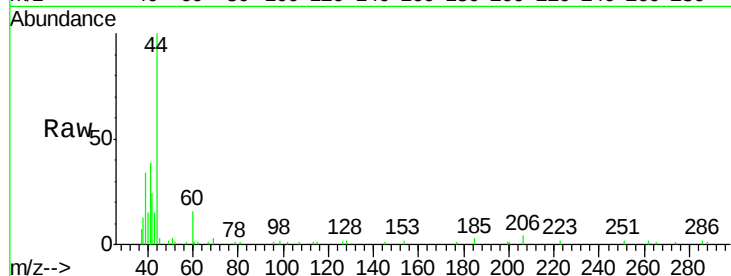
C0P20DL

Tgt Ion: 41 Resp: 9949

Ion Ratio Lower Upper

41 100

42 115.4 54.2 81.2#



#13

Ethanol

Concen: 1.350 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037803.D

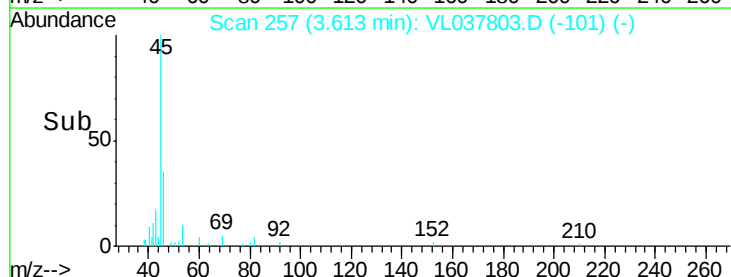
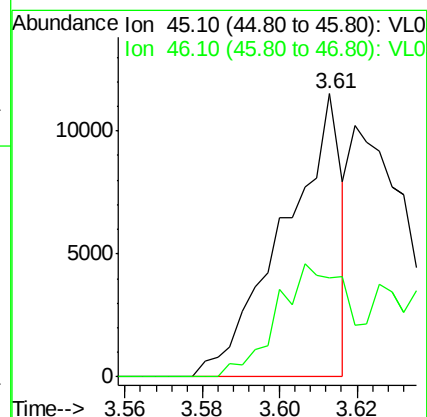
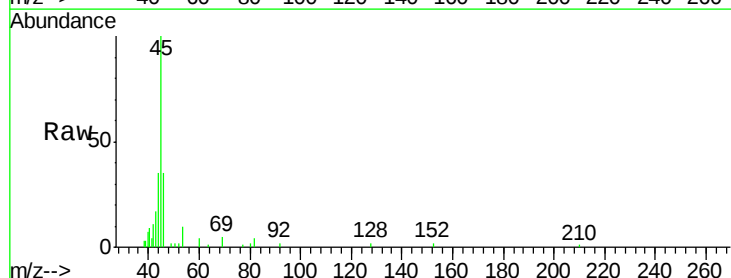
Acq: 7 Oct 2021 19:44

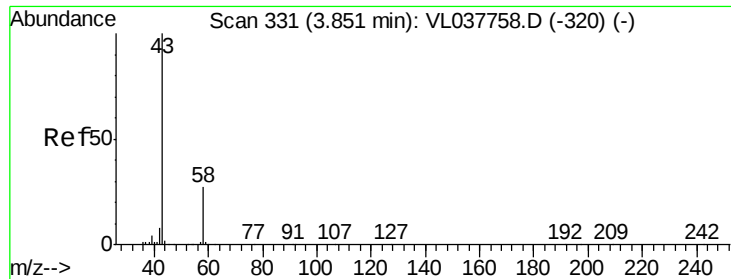
Tgt Ion: 45 Resp: 11873

Ion Ratio Lower Upper

45 100

46 85.1 20.2 81.0#





#15

Acetone

Concen: 1.998 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL037803.D

Acq: 7 Oct 2021 19:44

Instrument :

MSVOA_L

ClientSampleId :

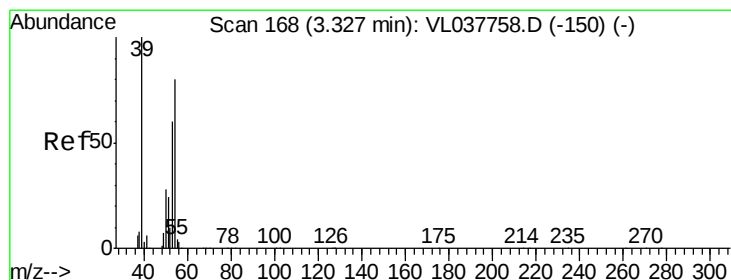
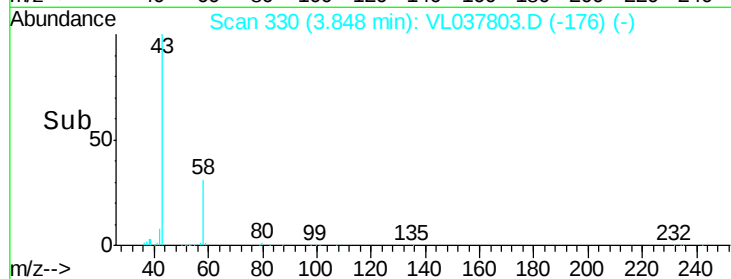
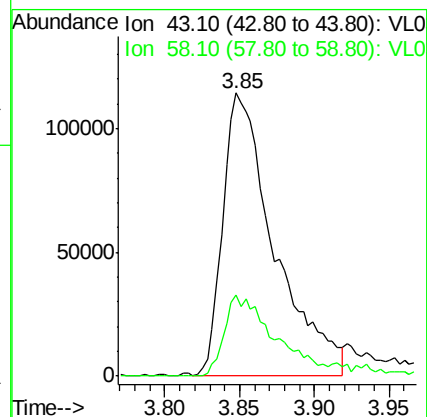
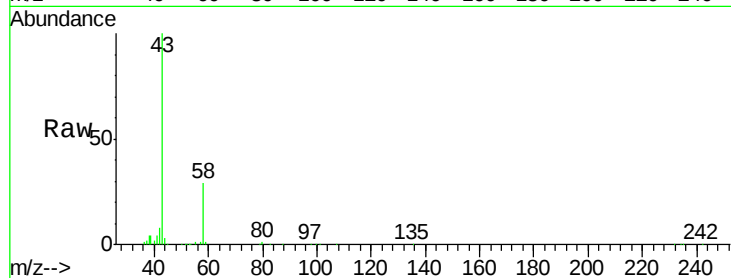
C0P20DL

Tgt Ion: 43 Resp: 272745

Ion Ratio Lower Upper

43 100

58 32.3 23.0 34.6



#16

1,3-Butadiene

Concen: 0.058 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL037803.D

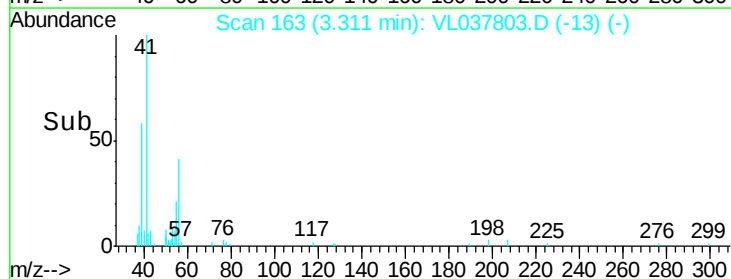
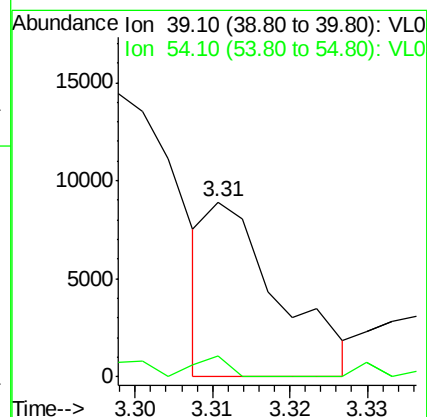
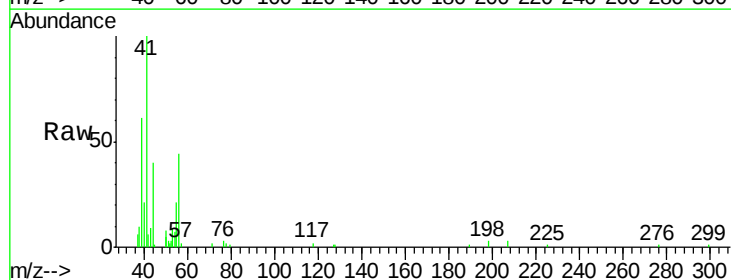
Acq: 7 Oct 2021 19:44

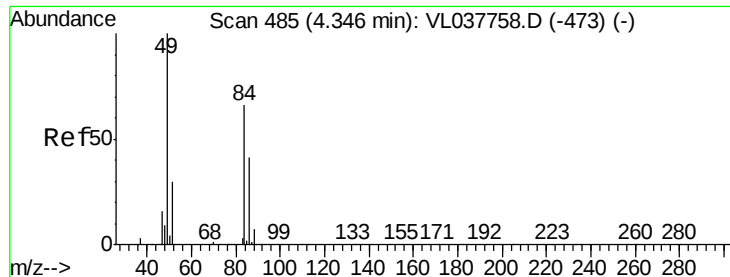
Tgt Ion: 39 Resp: 5720

Ion Ratio Lower Upper

39 100

54 18.0 61.7 92.5#

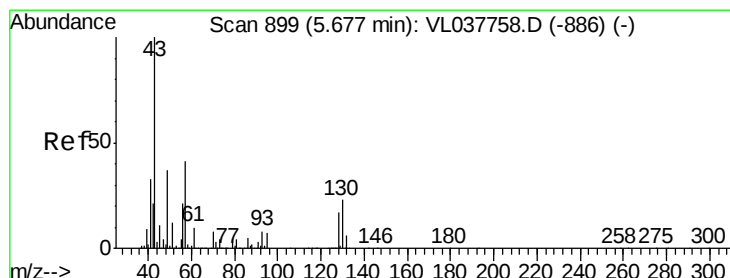
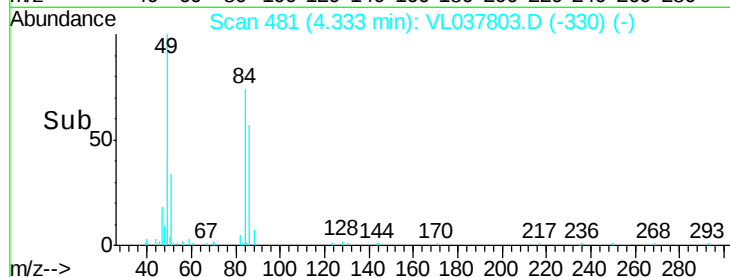
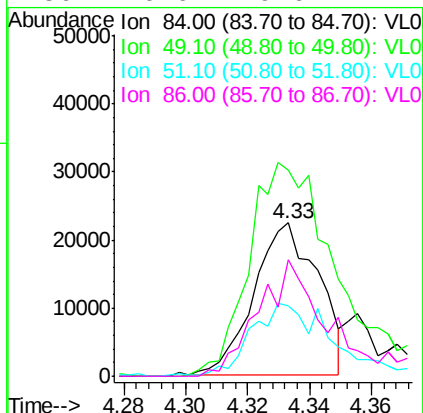
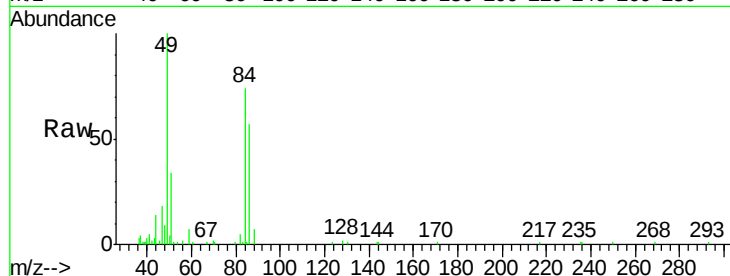




#20
Methylene Chloride
Concen: 0.469 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

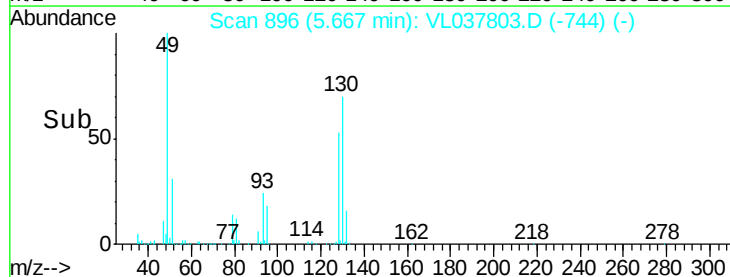
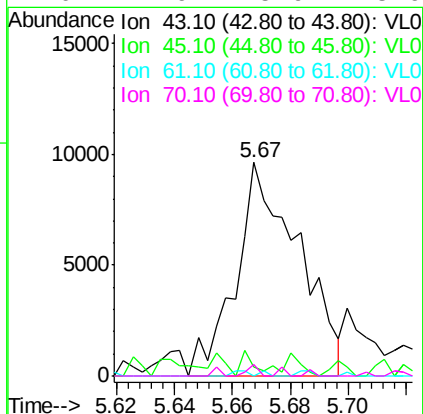
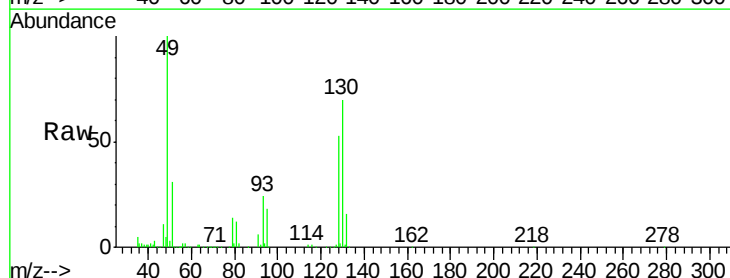
Instrument :
MSVOA_L
ClientSampleId :
C0P20DL

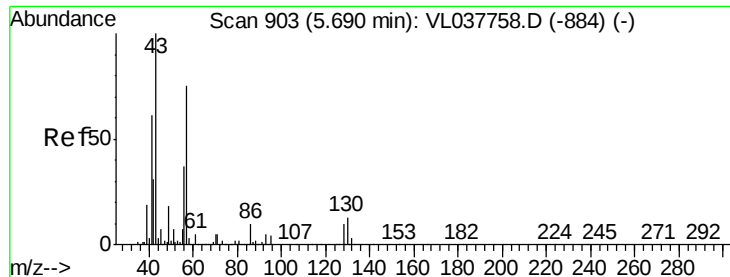
Tgt Ion:	84	Resp:	32367
Ion	Ratio	Lower	Upper
84	100		
49	134.2	120.7	181.1
51	47.4	36.2	54.4
86	76.6	49.6	74.4#



#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

Tgt Ion:	43	Resp:	14406
Ion	Ratio	Lower	Upper
43	100		
45	20.4	8.1	12.1#
61	1.8	7.5	11.3#
70	1.9	5.9	8.9#

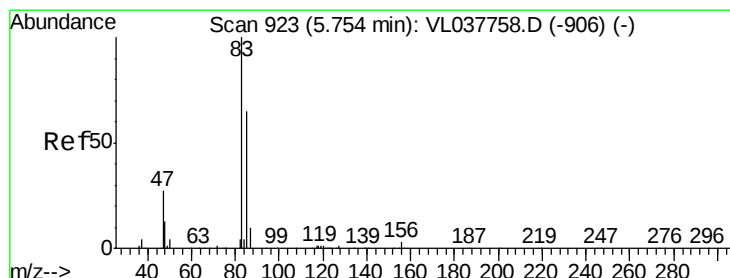
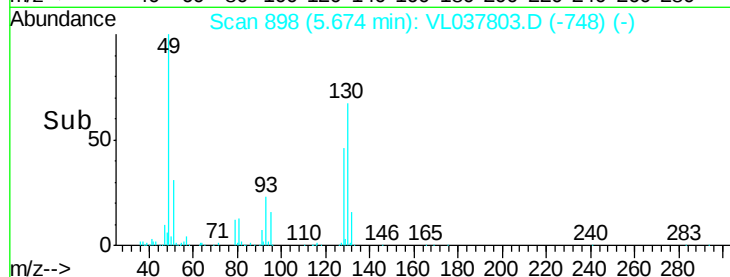
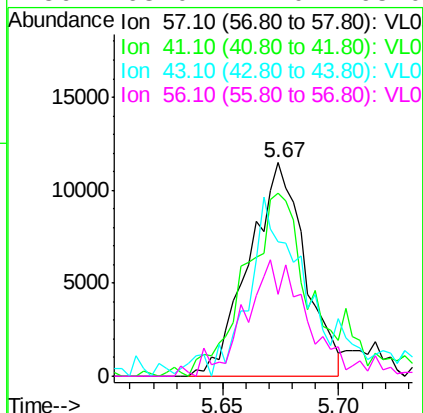
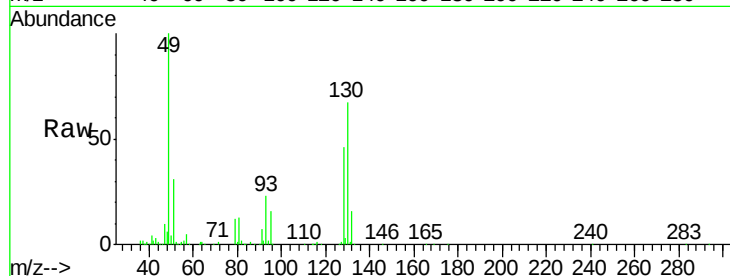




#26
Hexane
Concen: 0.102 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

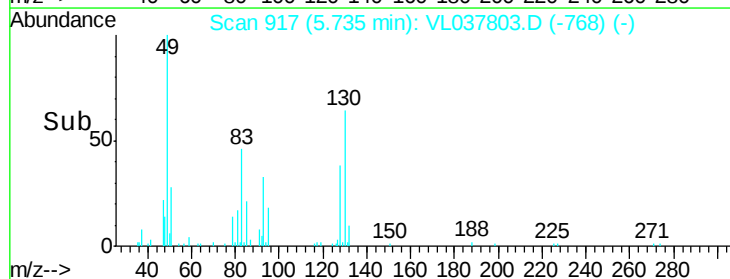
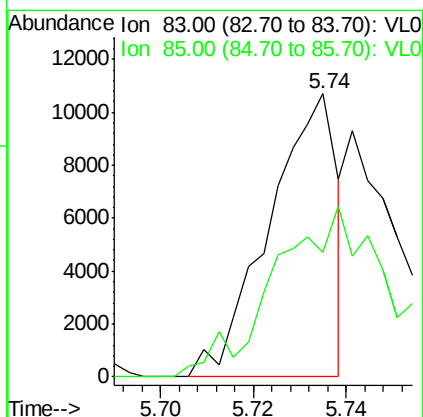
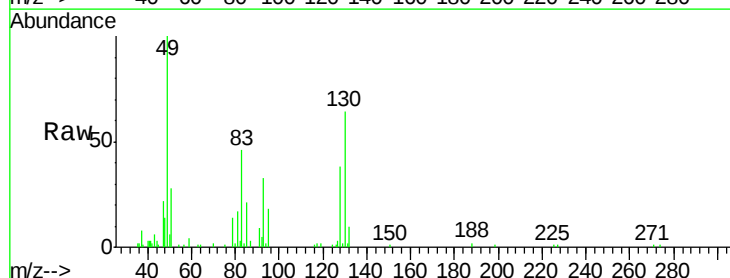
Instrument :
MSVOA_L
ClientSampleId :
C0P20DL

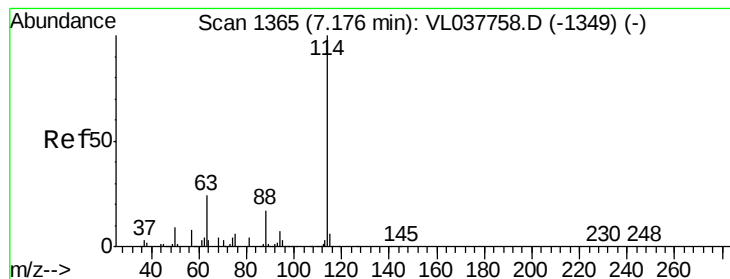
Tgt Ion: 57 Resp: 19211
Ion Ratio Lower Upper
57 100
41 112.9 69.6 104.4#
43 95.1 171.4 257.0#
56 63.0 42.0 63.0



#29
Chloroform
Concen: 0.040 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

Tgt Ion: 83 Resp: 10846
Ion Ratio Lower Upper
83 100
85 40.4 51.8 77.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL037803.D

Acq: 7 Oct 2021 19:44

Instrument :

MSVOA_L

ClientSampleId :

C0P20DL

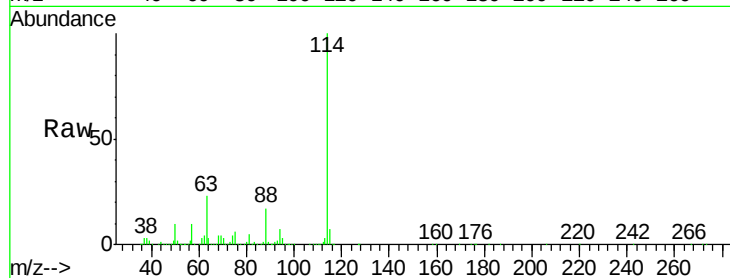
Tgt Ion:114 Resp: 4245890

Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.2

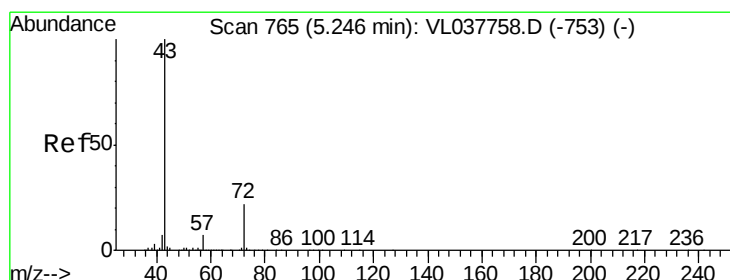
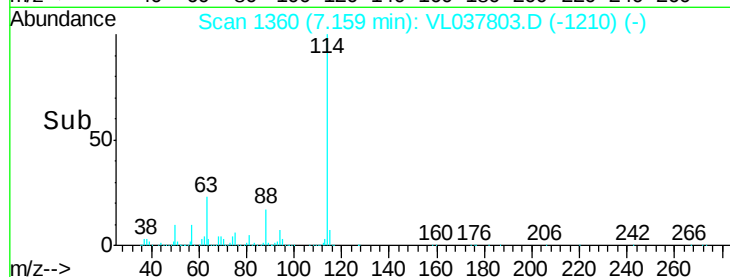
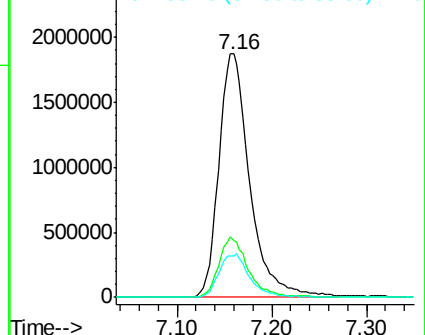
88 17.9 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.120 ppbv

RT: 5.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL037803.D

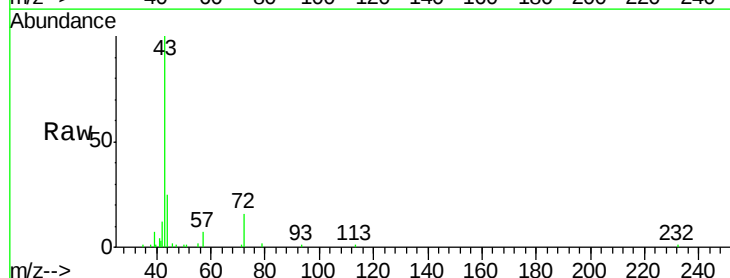
Acq: 7 Oct 2021 19:44

Tgt Ion: 43 Resp: 20599

Ion Ratio Lower Upper

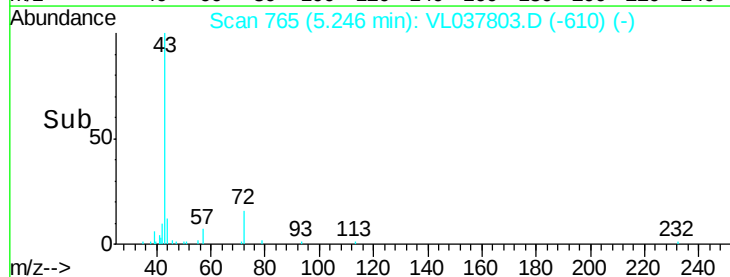
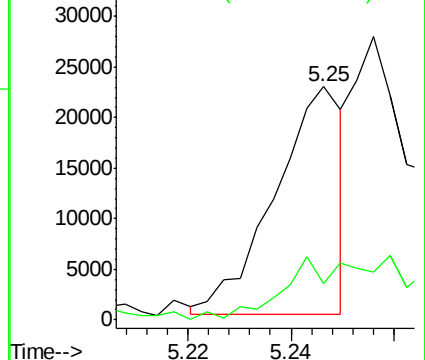
43 100

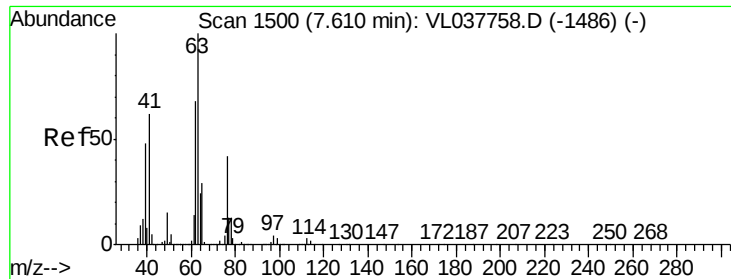
72 0.0 18.2 27.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

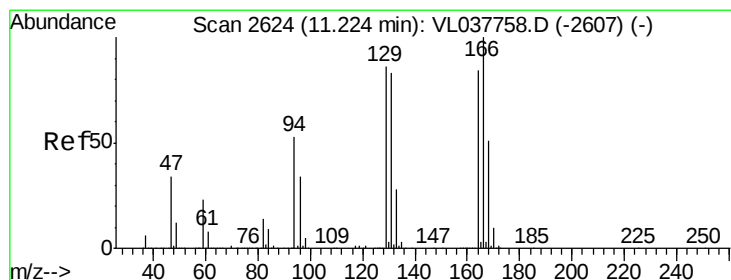
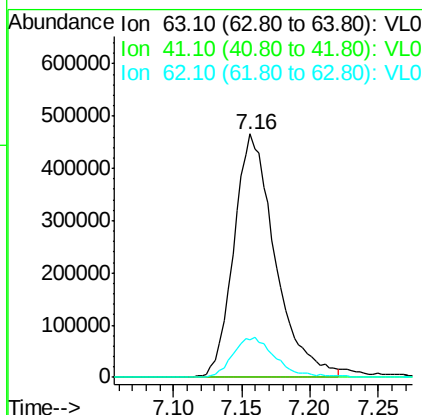
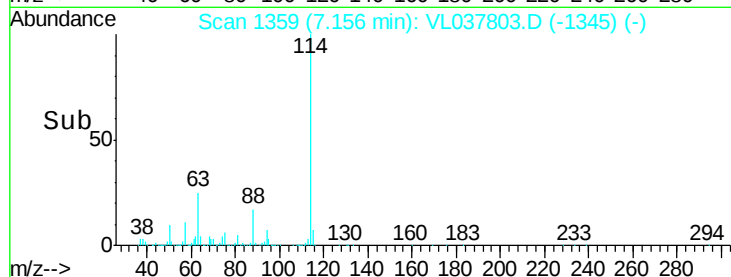
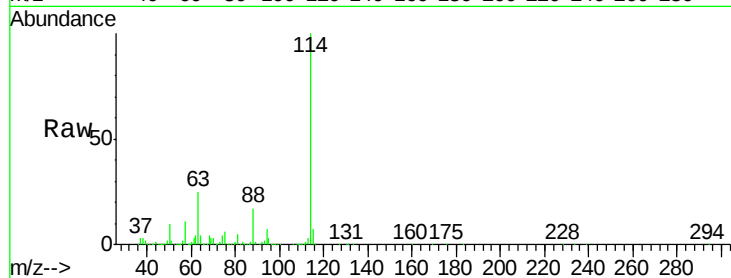




#39
 1,2-Dichloropropane
 Concen: 7.188 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.45 min
 Lab File: VL037803.D
 Acq: 7 Oct 2021 19:44

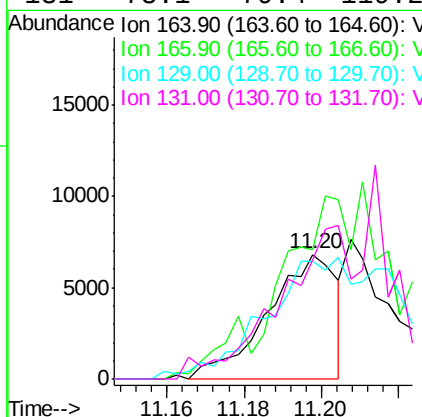
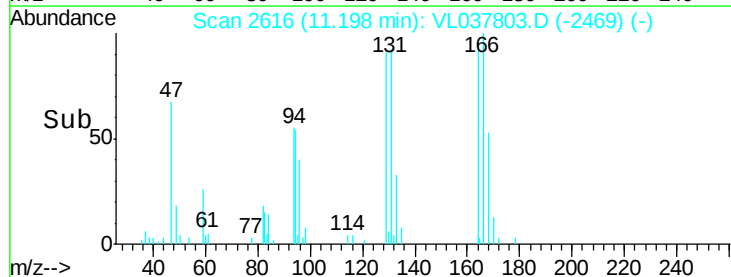
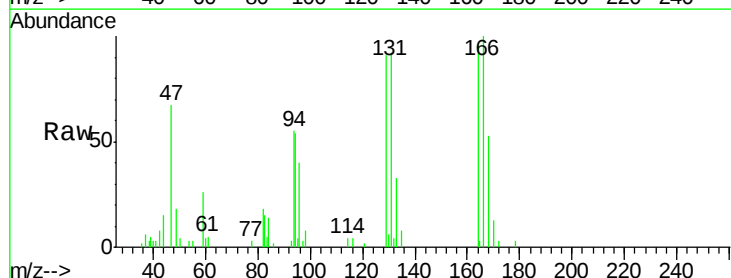
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P20DL

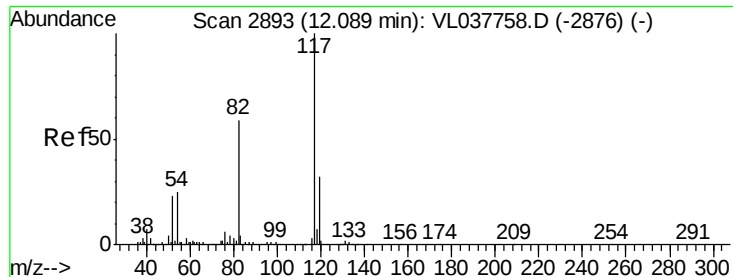
Tgt Ion: 63 Resp: 980484
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 15.6 54.6 82.0#



#52
 Tetrachloroethene
 Concen: 0.060 ppbv
 RT: 11.20 min Scan# 2616
 Delta R.T. -0.03 min
 Lab File: VL037803.D
 Acq: 7 Oct 2021 19:44

Tgt Ion: 164 Resp: 8397
 Ion Ratio Lower Upper
 164 100
 166 99.6 95.4 143.2
 129 89.0 82.2 123.4
 131 78.1 79.4 119.2#

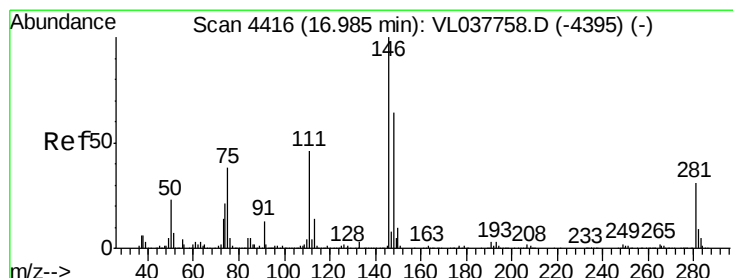
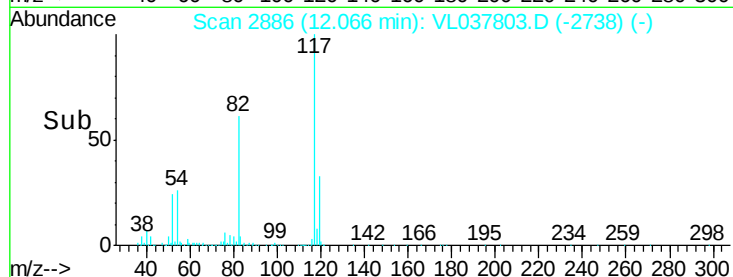
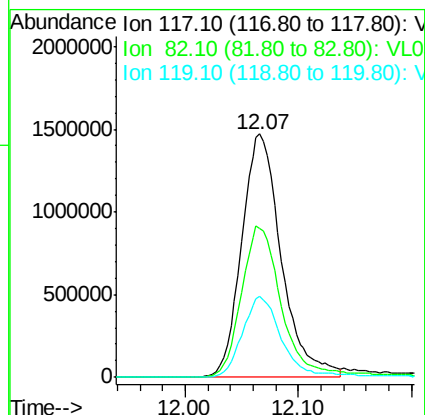
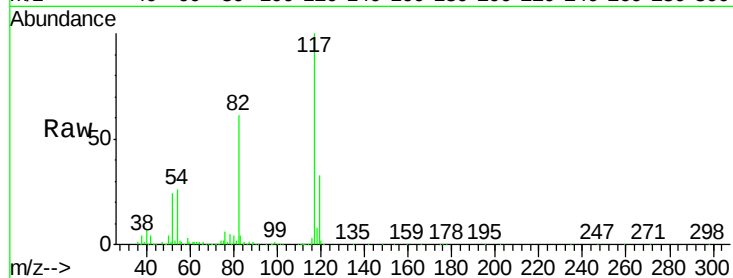




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

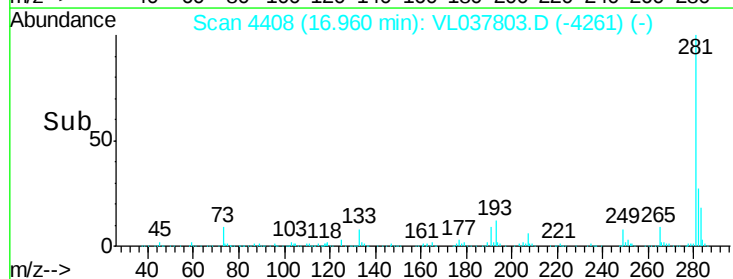
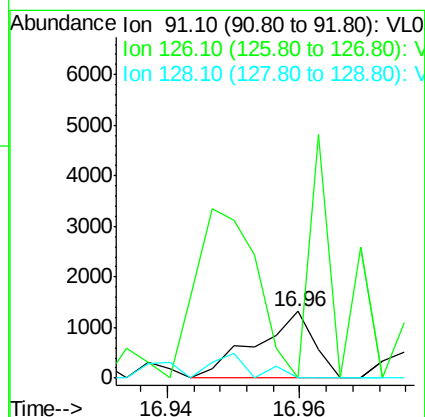
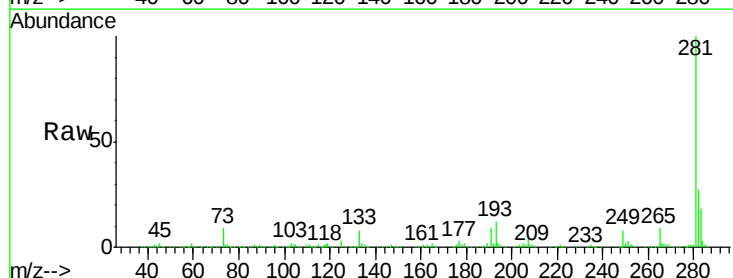
Instrument :
MSVOA_L
ClientSampleId :
C0P20DL

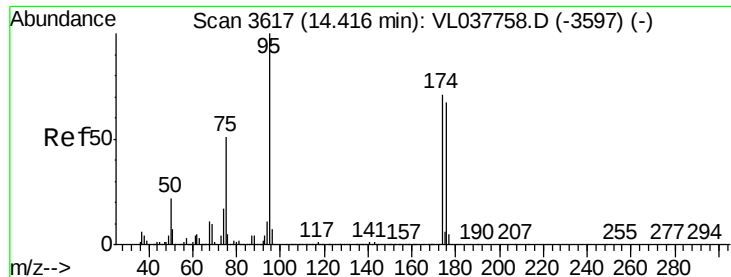
Tgt Ion: 117 Resp: 3591908
Ion Ratio Lower Upper
117 100
82 65.8 52.2 78.2
119 33.8 26.0 39.0



#66
Benzyl Chloride
Concen: 0.034 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.03 min
Lab File: VL037803.D
Acq: 7 Oct 2021 19:44

Tgt Ion: 91 Resp: 809
Ion Ratio Lower Upper
91 100
126 423.5 0.0 0.0#
128 45.2 5.3 7.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.896 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL037803.D

Acq: 7 Oct 2021 19:44

Instrument :

MSVOA_L

ClientSampleId :

C0P20DL

Tgt Ion: 95 Resp: 2485823

Ion Ratio Lower Upper

95 100

174 77.8 57.8 86.6

175 5.8 4.7 7.1

