

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038148.D
 Acq On : 7 Dec 2021 13:31
 Operator : SY/AP
 Sample : M4827-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Quant Time: Dec 07 14:50:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	908429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2388100	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2056573	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1642952	11.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.80%

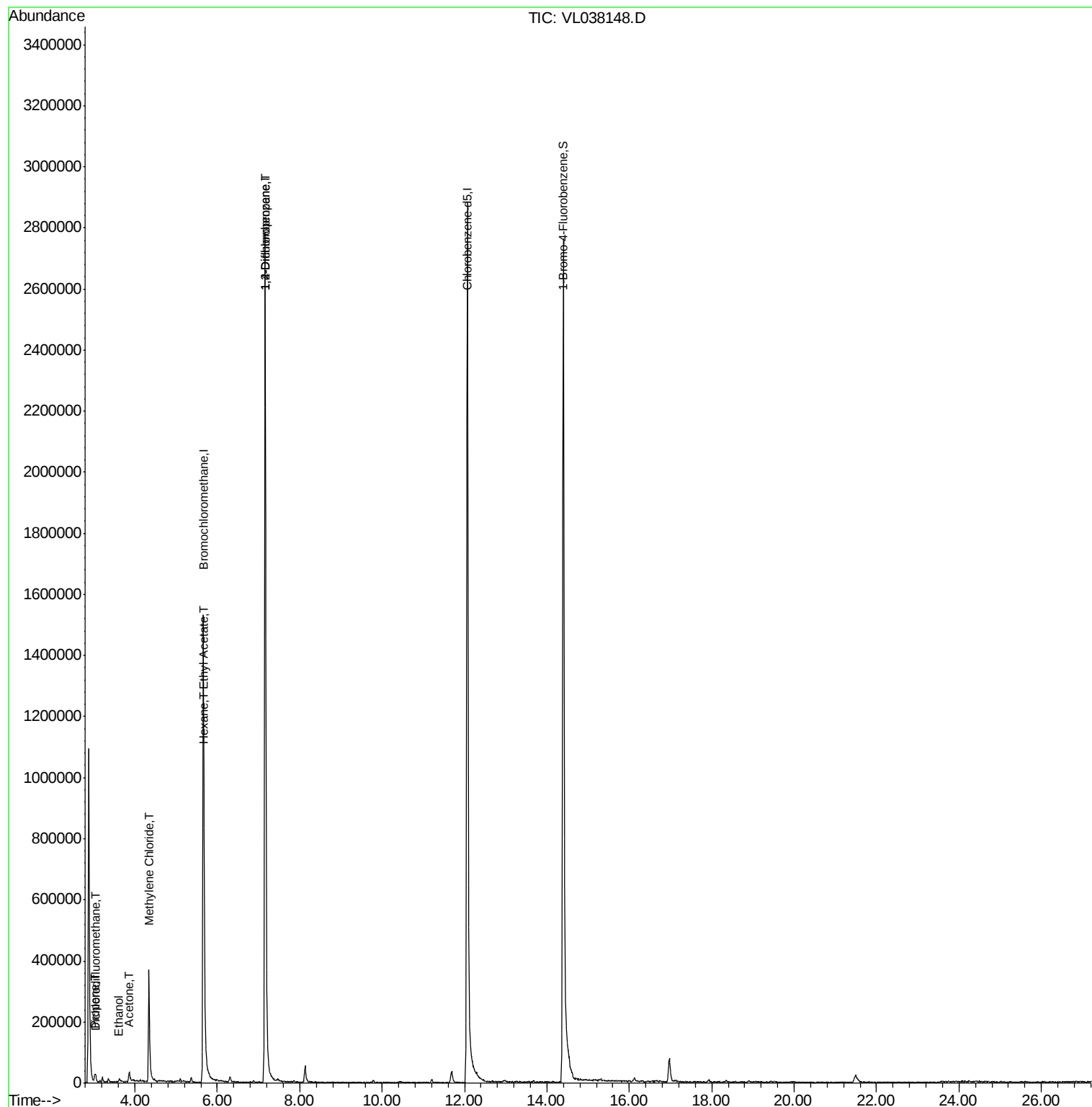
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	8695	0.058	ppbv	93
9) Propene	3.02	41	6231	0.089	ppbv	93
13) Ethanol	3.59	45	628	0.092	ppbv #	32
15) Acetone	3.86	43	37845	0.480	ppbv	92
20) Methylene Chloride	4.34	84	146624	3.324	ppbv	87
25) Ethyl Acetate	5.68	43	54047	0.206	ppbv #	76
26) Hexane	5.68	57	77809	0.617	ppbv #	44
39) 1,2-Dichloropropane	7.16	63	623353	6.822	ppbv #	27

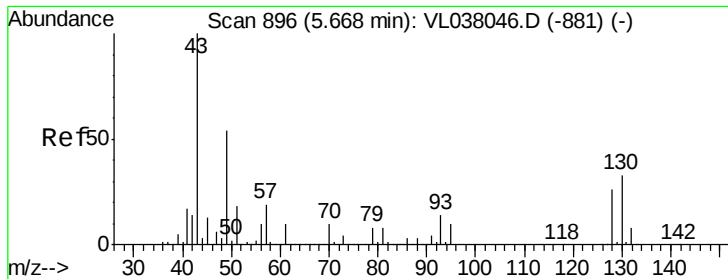
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
Data File : VL038148.D
Acq On : 7 Dec 2021 13:31
Operator : SY/AP
Sample : M4827-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Quant Time: Dec 07 14:50:25 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SS-1

Acq: 7 Dec 2021 13:31

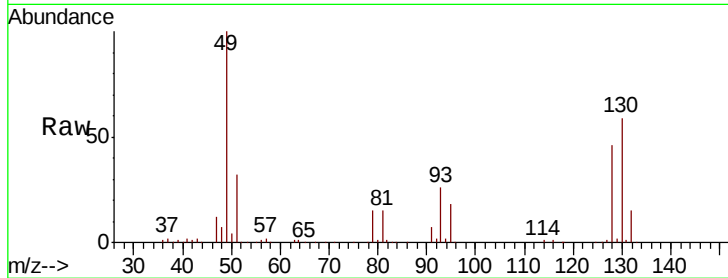
Tot Ion: 49 Resp: 908429

Ion Ratio Lower Upper

49 100

128 47.7 26.5 79.5

130 61.1 32.5 97.4



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

5.66

400000

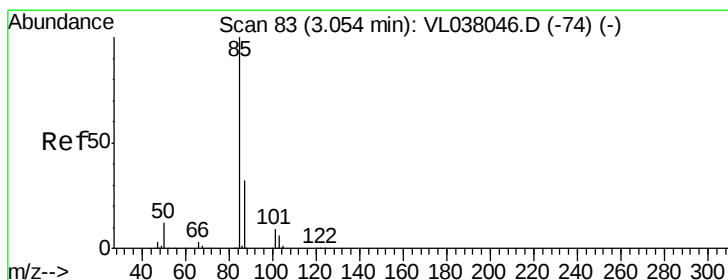
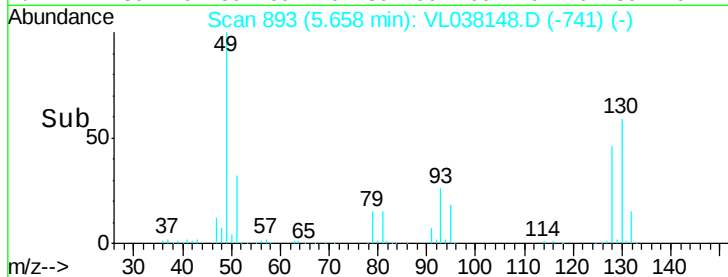
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.058 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038148.D

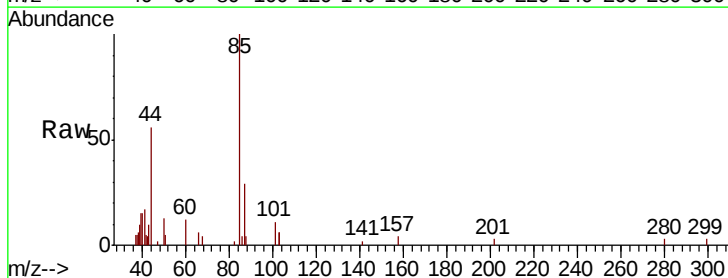
Acq: 7 Dec 2021 13:31

Tgt Ion: 85 Resp: 8695

Ion Ratio Lower Upper

85 100

87 28.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

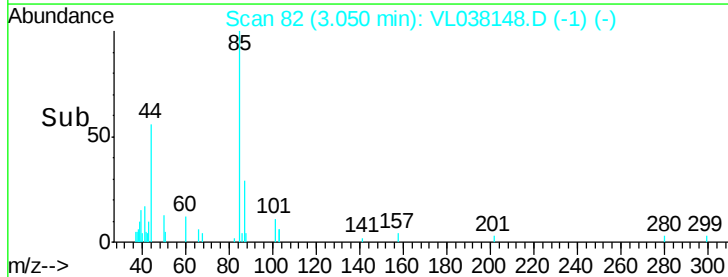
6000

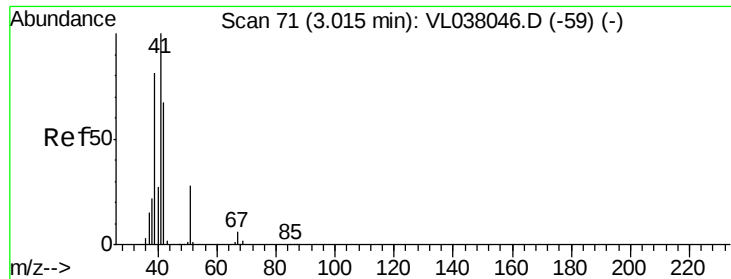
4000

2000

0

Time-->





#9

Propene

Concen: 0.089 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

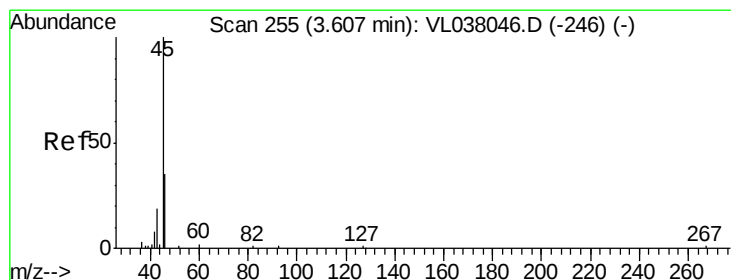
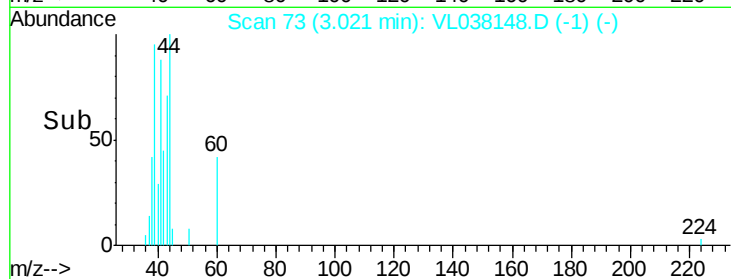
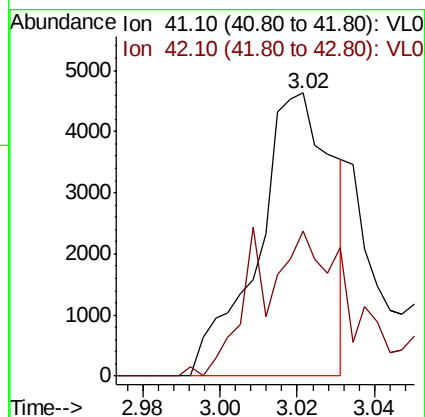
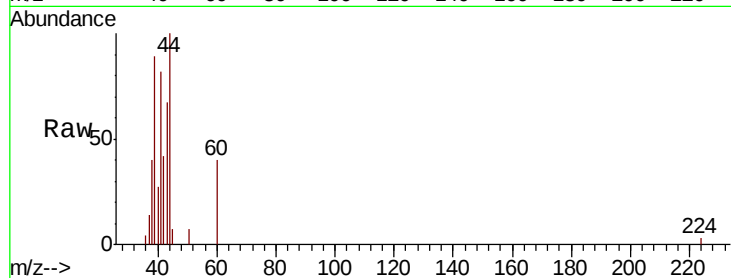
Acq: 7 Dec 2021 13:31

Tot Ion: 41 Resp: 6231

Ion Ratio Lower Upper

41 100

42 72.7 53.8 80.8



#13

Ethanol

Concen: 0.092 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL038148.D

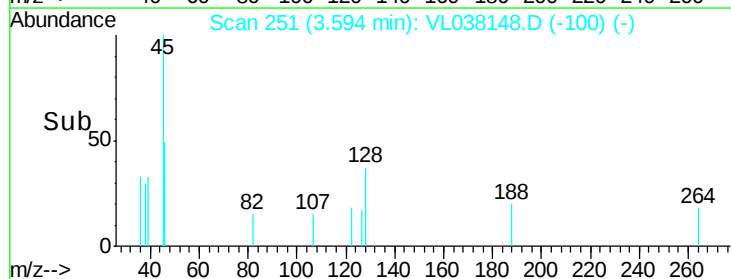
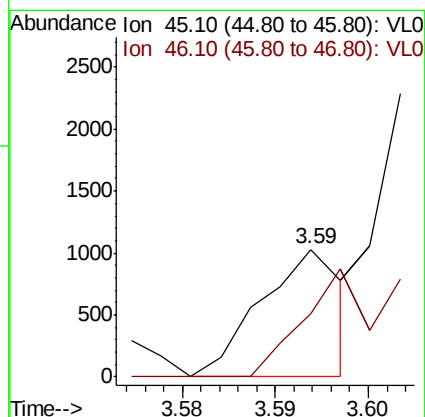
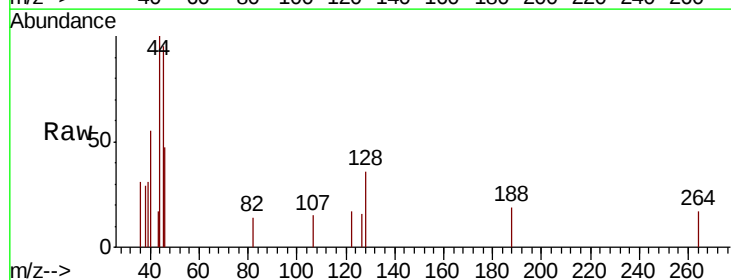
Acq: 7 Dec 2021 13:31

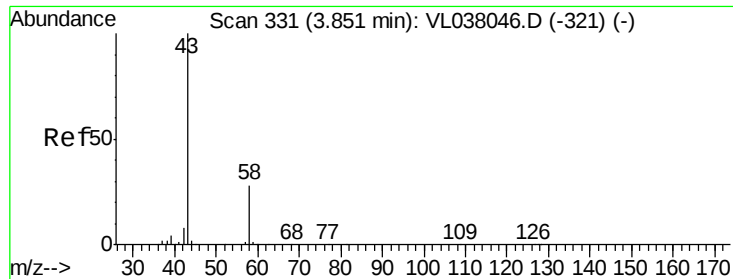
Tgt Ion: 45 Resp: 628

Ion Ratio Lower Upper

45 100

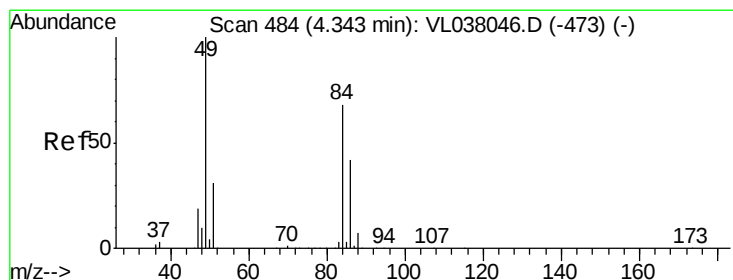
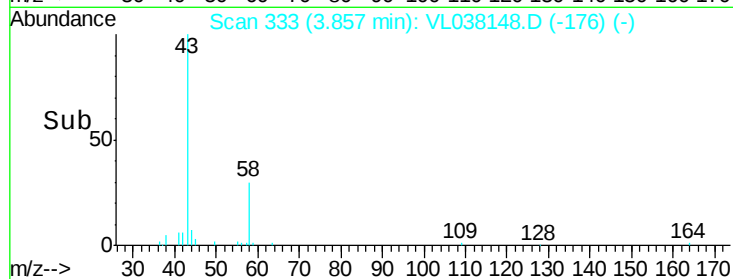
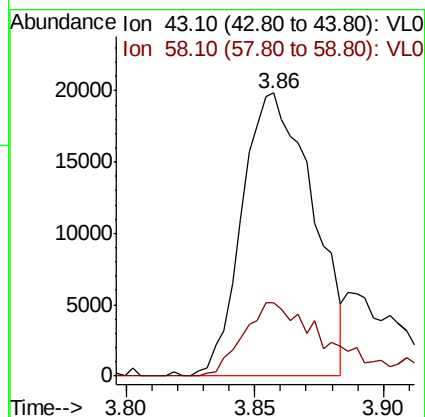
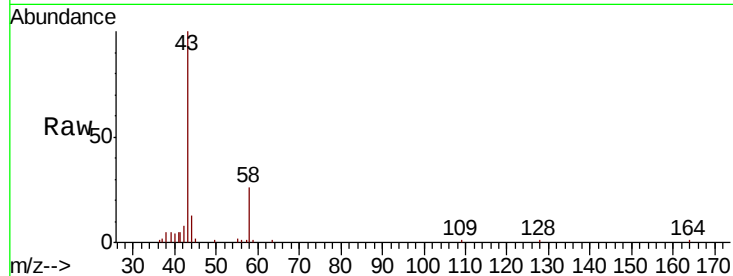
46 0.0 17.6 70.2#





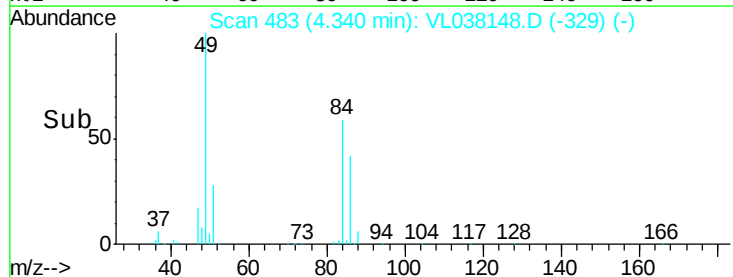
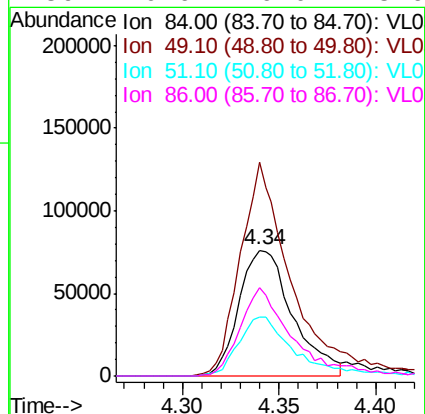
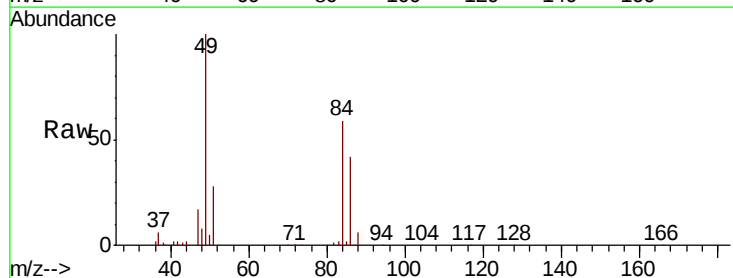
#15
Acetone
Concen: 0.480 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 13:31

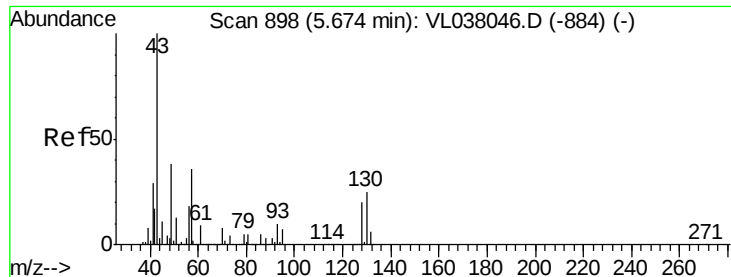
Tot Ion: 43 Resp: 37845
Ion Ratio Lower Upper
43 100
58 32.2 22.4 33.6



#20
Methylene Chloride
Concen: 3.324 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038148.D
Acq: 7 Dec 2021 13:31

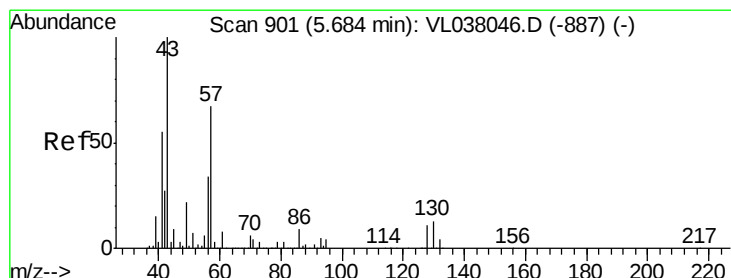
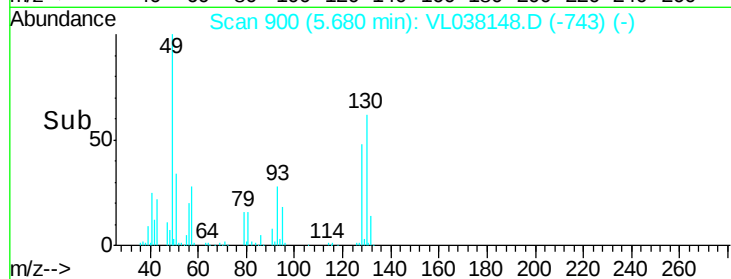
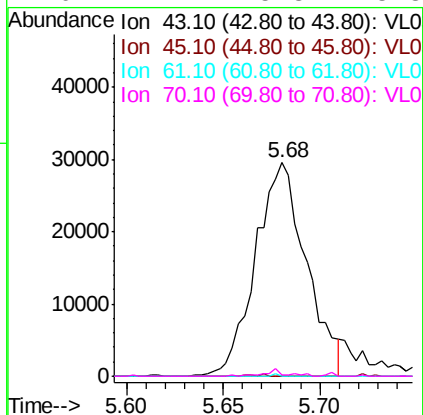
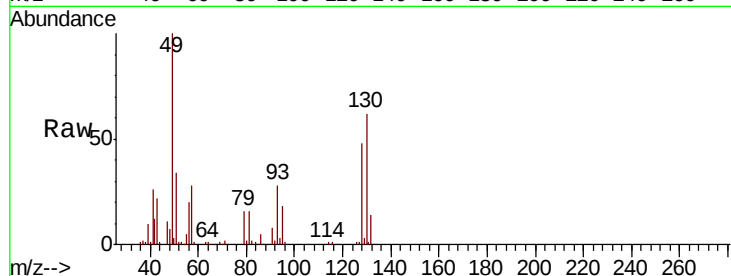
Tgt Ion: 84 Resp: 146624
Ion Ratio Lower Upper
84 100
49 169.8 118.2 177.2
51 47.0 36.8 55.2
86 70.6 49.0 73.6





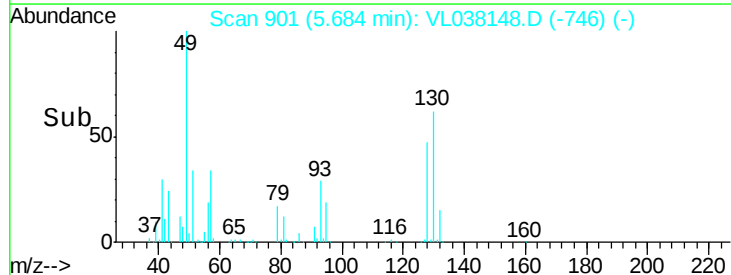
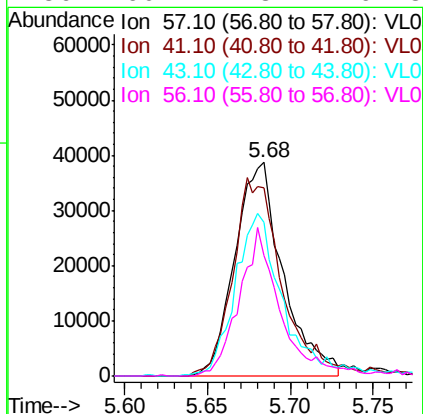
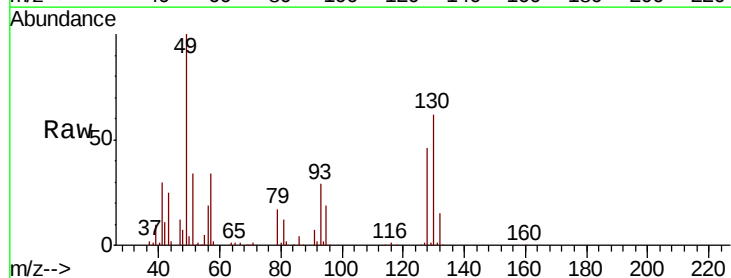
#25
Ethyl Acetate
Concen: 0.206 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 13:31

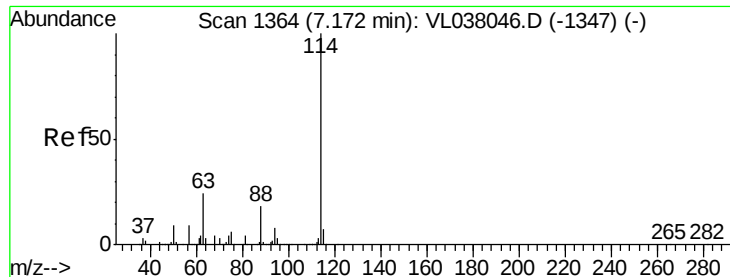
Tot Ion:	43	Resp:	54047
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.1	7.8	11.6#
70	1.4	5.8	8.8#



#26
Hexane
Concen: 0.617 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL038148.D
Acq: 7 Dec 2021 13:31

Tgt Ion:	57	Resp:	77809
Ion	Ratio	Lower	Upper
57	100		
41	96.6	71.4	107.2
43	78.2	174.6	261.8#
56	60.1	43.2	64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Dec 2021 13:31

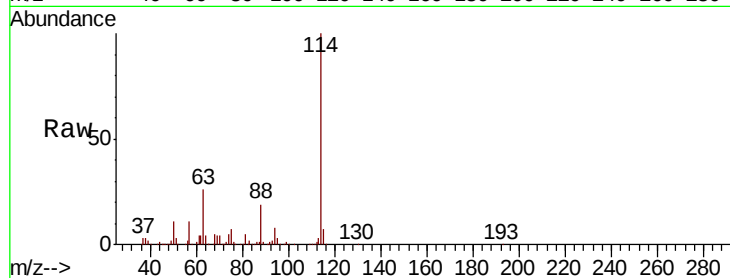
Tot Ion:114 Resp: 2388100

Ion Ratio Lower Upper

114 100

63 26.9 19.7 29.5

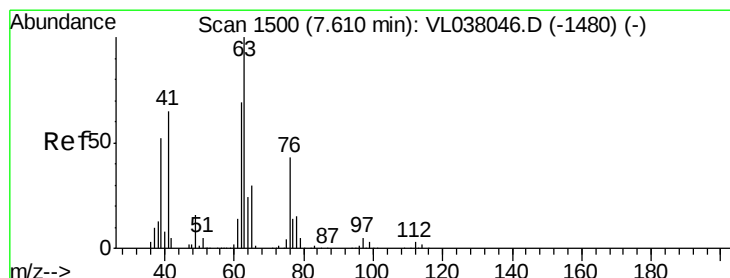
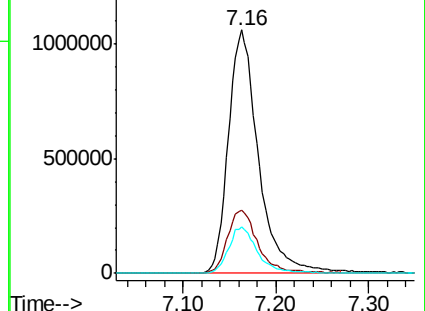
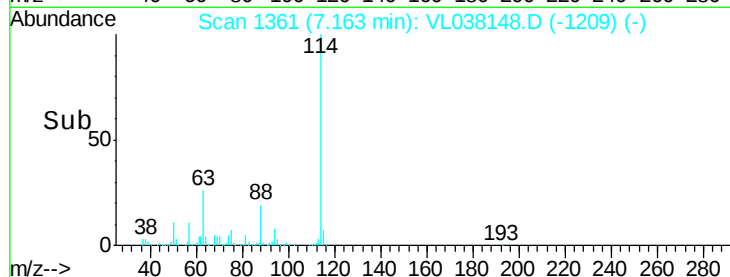
88 18.5 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 6.822 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.45 min

Lab File: VL038148.D

Acq: 7 Dec 2021 13:31

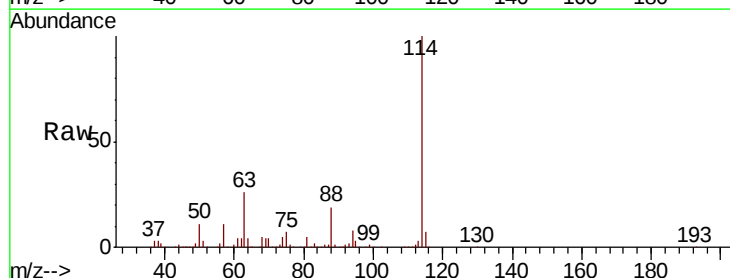
Tgt Ion: 63 Resp: 623353

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

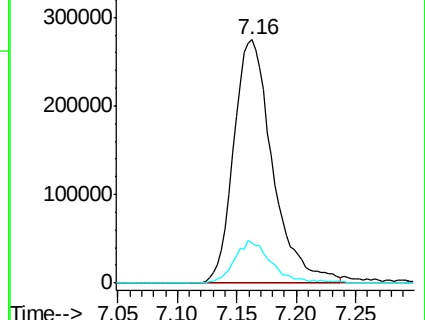
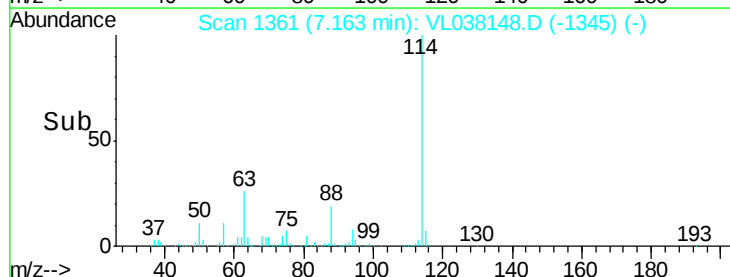
62 16.7 55.1 82.7#

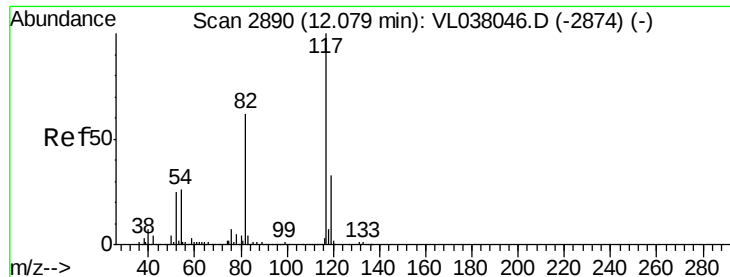


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

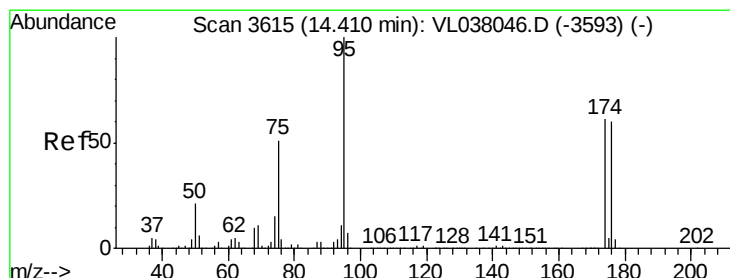
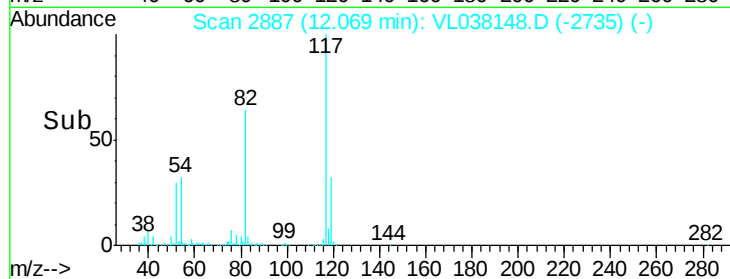
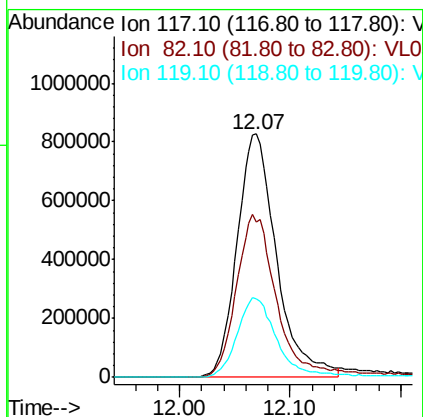
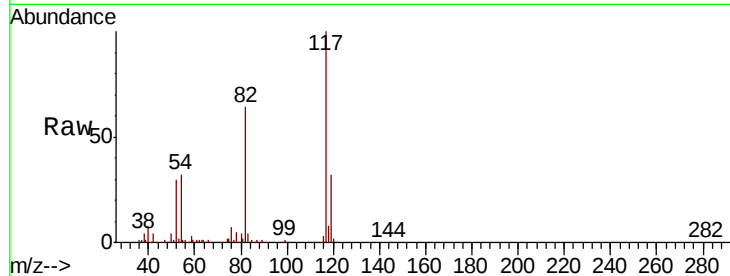




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 13:31

Tot Ion:117 Resp: 2056573

Ion	Ratio	Lower	Upper
117	100		
82	72.3	52.8	79.2
119	34.0	26.8	40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 11.075 ppbv
RT: 14.40 min Scan# 3612
Delta R.T.: -0.01 min
Lab File: VL038148.D
Acq: 7 Dec 2021 13:31

Tgt Ion: 95 Resp: 1642952

Ion	Ratio	Lower	Upper
95	100		
174	61.9	53.1	79.7
175	4.6	4.0	6.0

