

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038156.D
 Acq On : 7 Dec 2021 18:44
 Operator : SY/AP
 Sample : M4897-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Dec 08 02:03:04 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	5.65	49	827880	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2173791	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1867619	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1509770	11.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.10%

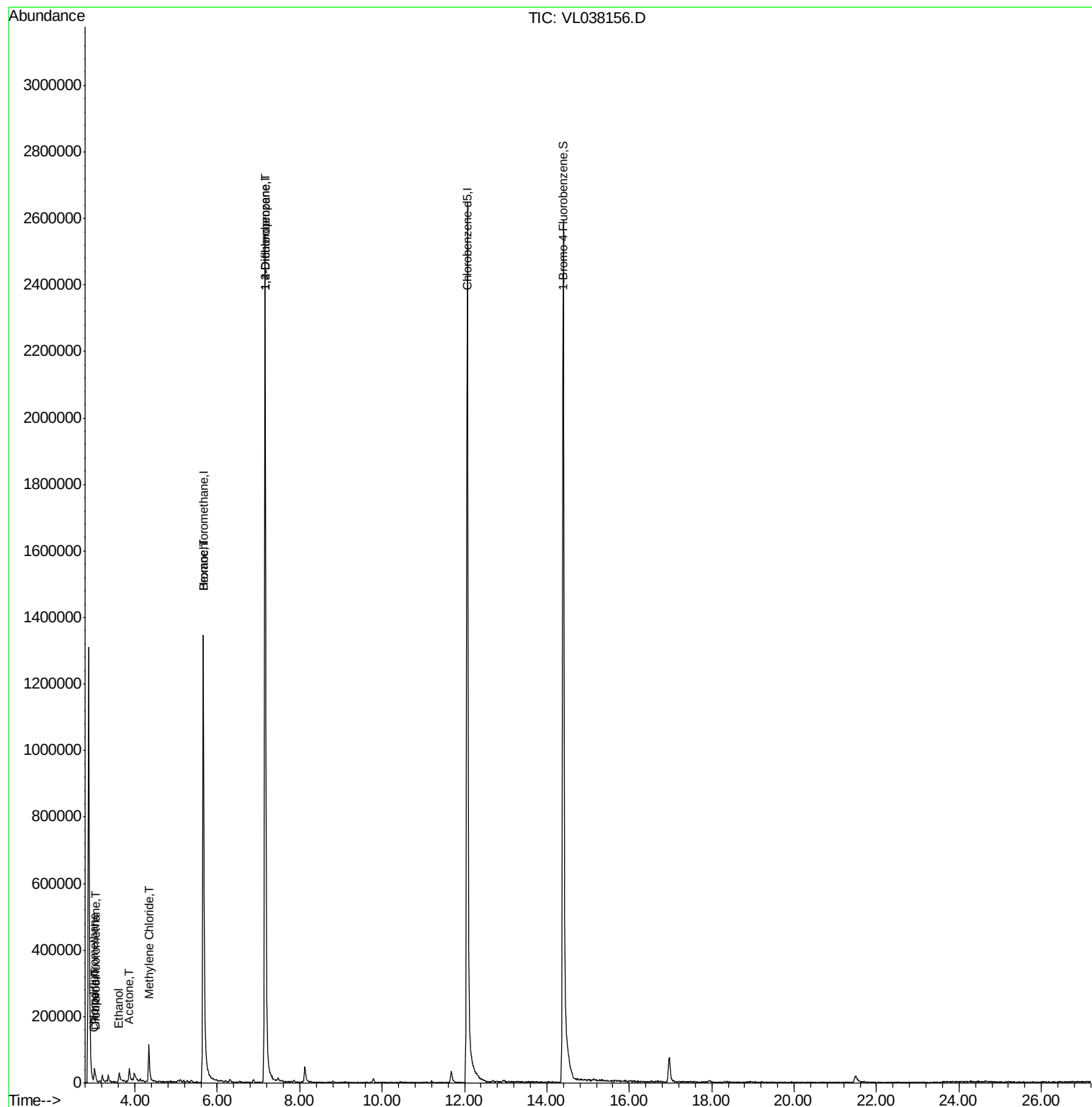
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	8263	0.060	ppbv	92
3) Chlorodifluoromethane	2.99	51	7940	0.046	ppbv #	90
9) Propene	3.02	41	12307	0.192	ppbv #	83
13) Ethanol	3.61	45	25068	4.051	ppbv	81
15) Acetone	3.86	43	9425	0.131	ppbv #	1
20) Methylene Chloride	4.34	84	42517	1.058	ppbv	91
26) Hexane	5.67	57	6569	0.057	ppbv #	42
39) 1,2-Dichloropropane	7.16	63	570518	6.859	ppbv #	27

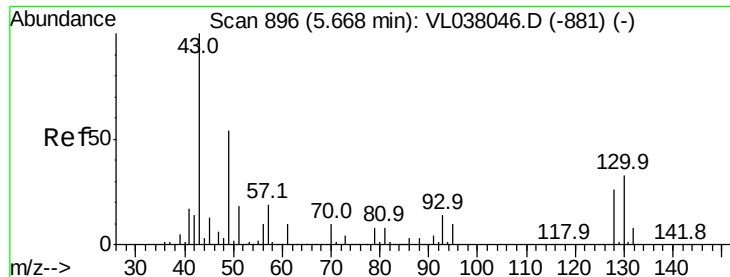
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Dec 2021 18:44

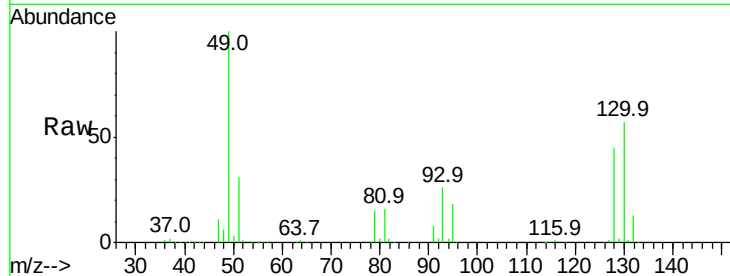
Tot Ion: 49 Resp: 827880

Ion Ratio Lower Upper

49 100

128 47.9 26.5 79.5

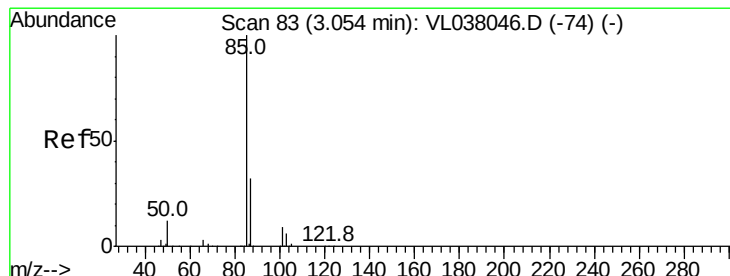
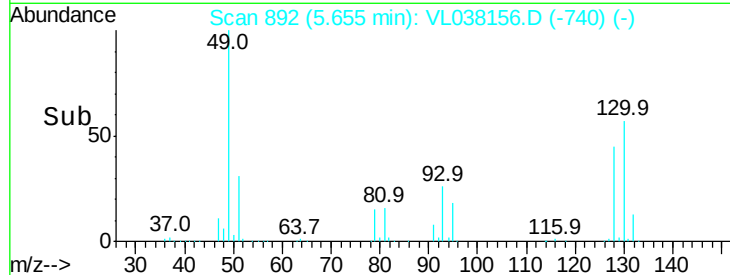
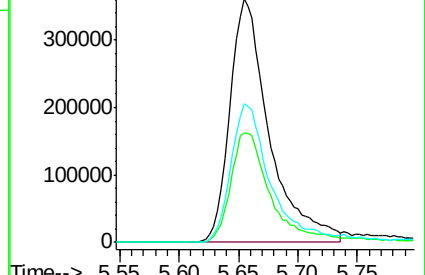
130 60.2 32.5 97.4



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



#2

Dichlorodifluoromethane

Concen: 0.060 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038156.D

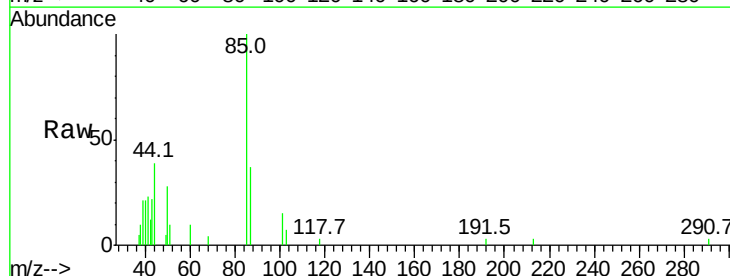
Acq: 7 Dec 2021 18:44

Tgt Ion: 85 Resp: 8263

Ion Ratio Lower Upper

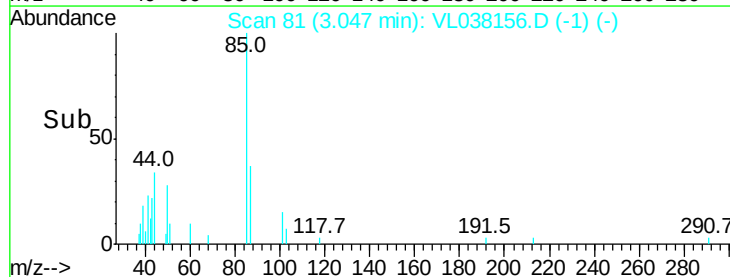
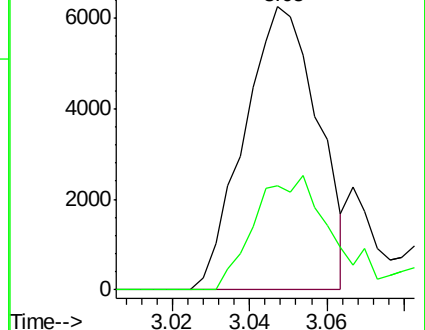
85 100

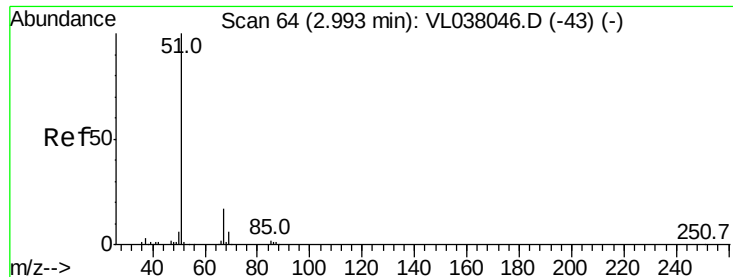
87 36.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.046 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: OA-1DL

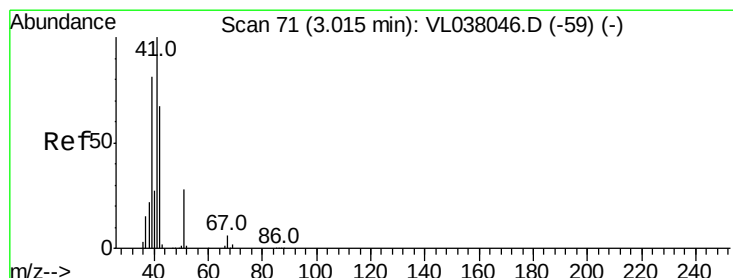
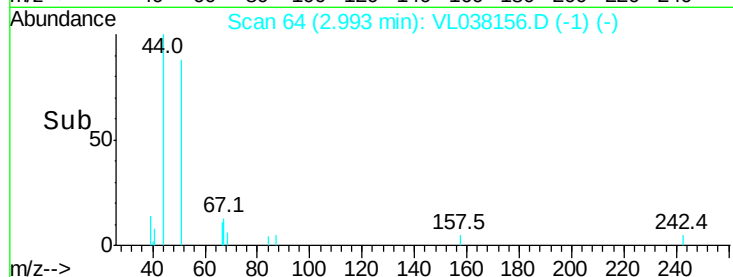
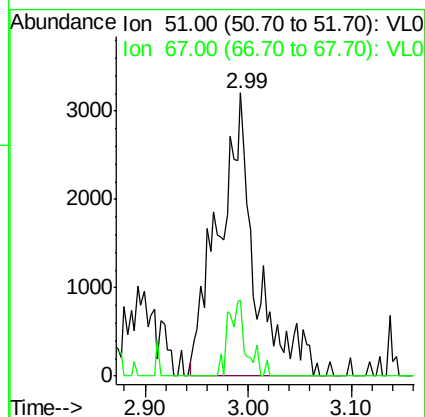
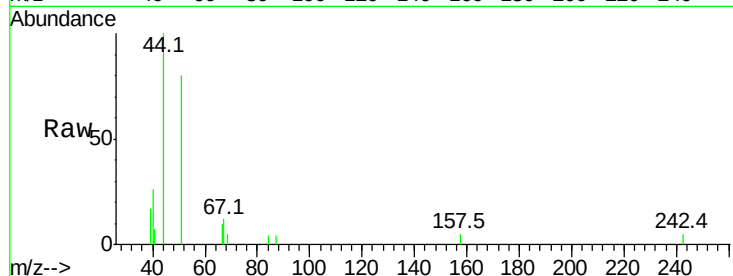
Acq: 7 Dec 2021 18:44

Tot Ion: 51 Resp: 7940

Ion Ratio Lower Upper

51 100

67 13.0 13.8 20.8#



#9

Propene

Concen: 0.192 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038156.D

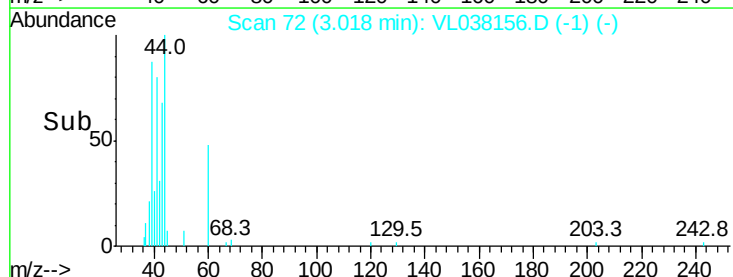
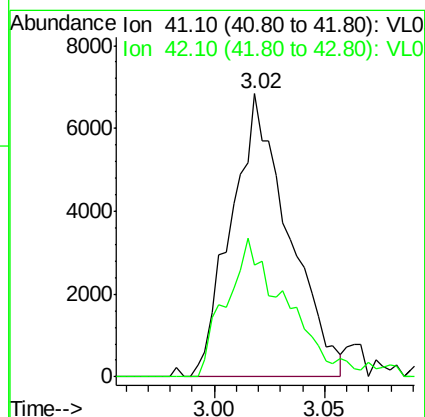
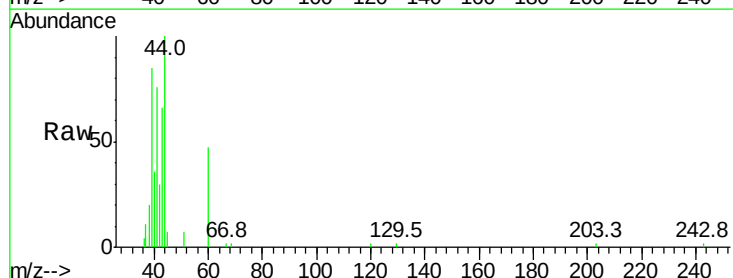
Acq: 7 Dec 2021 18:44

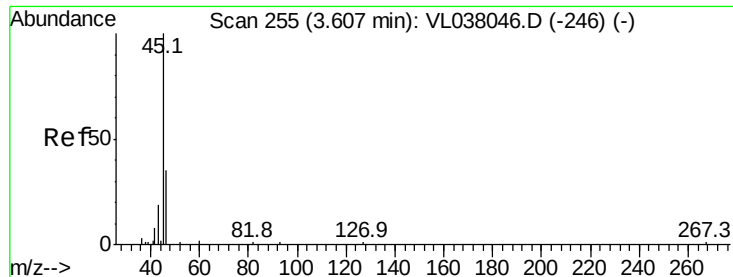
Tgt Ion: 41 Resp: 12307

Ion Ratio Lower Upper

41 100

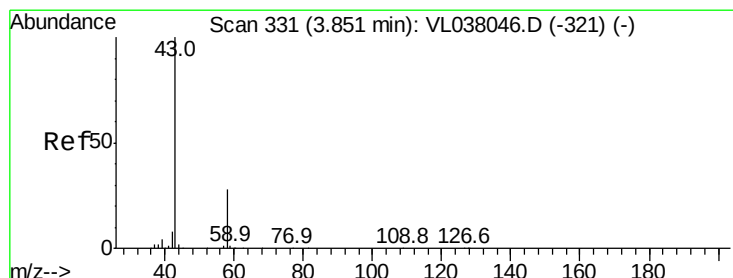
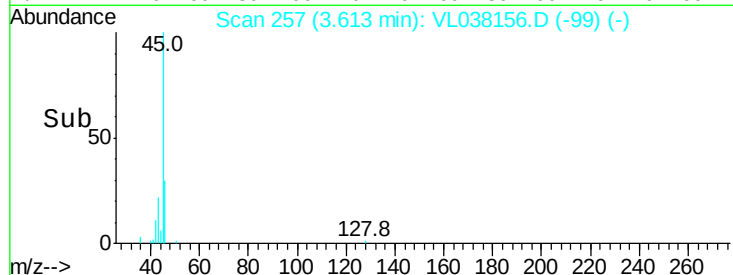
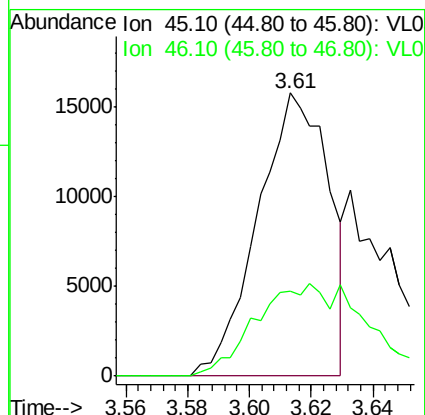
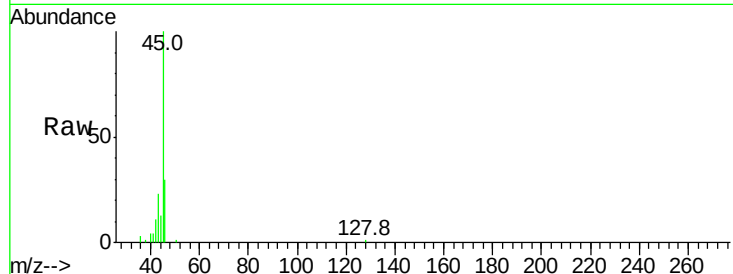
42 53.7 53.8 80.8#





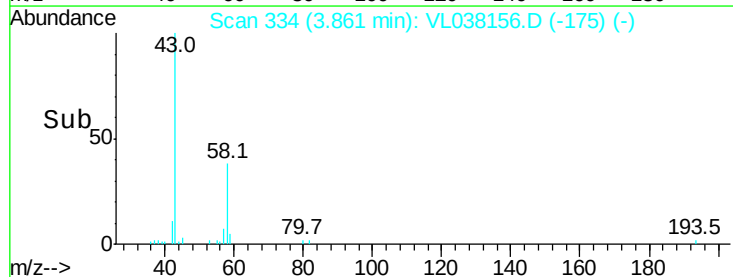
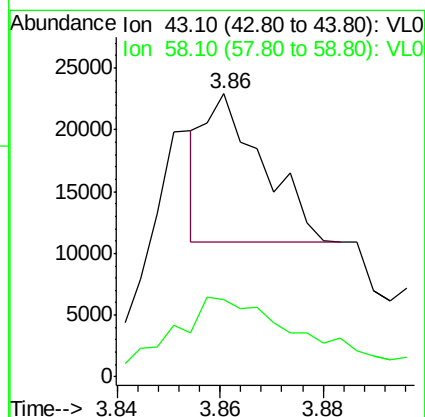
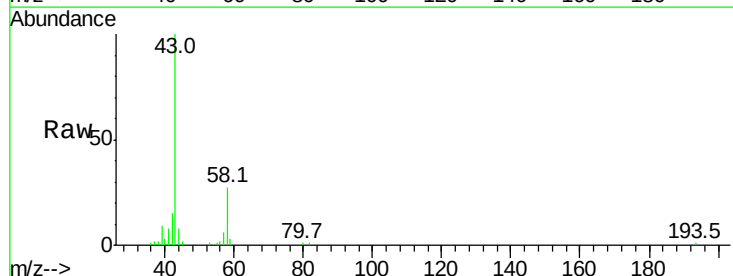
#13
Ethanol
Concen: 4.051 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:44

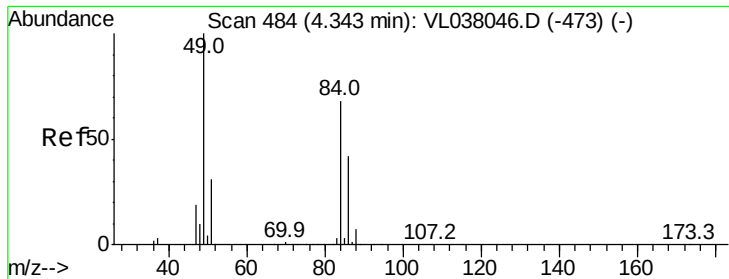
Tot Ion: 45 Resp: 25068
Ion Ratio Lower Upper
45 100
46 56.5 17.6 70.2



#15
Acetone
Concen: 0.131 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL038156.D
Acq: 7 Dec 2021 18:44

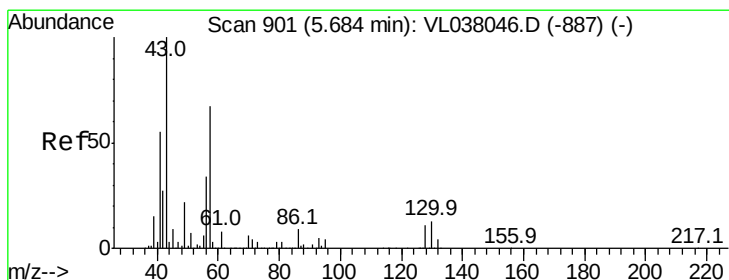
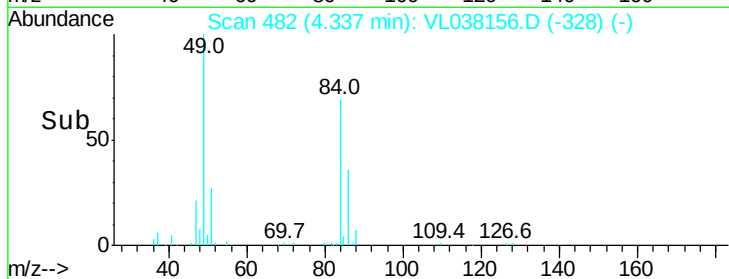
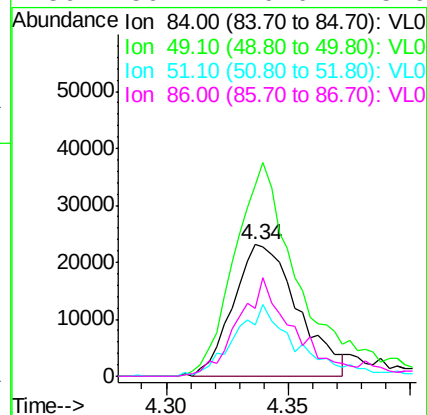
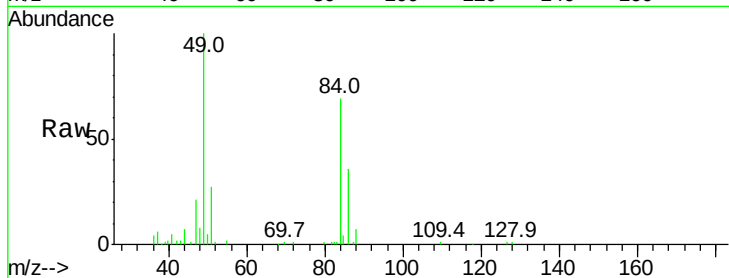
Tgt Ion: 43 Resp: 9425
Ion Ratio Lower Upper
43 100
58 162.8 22.4 33.6#





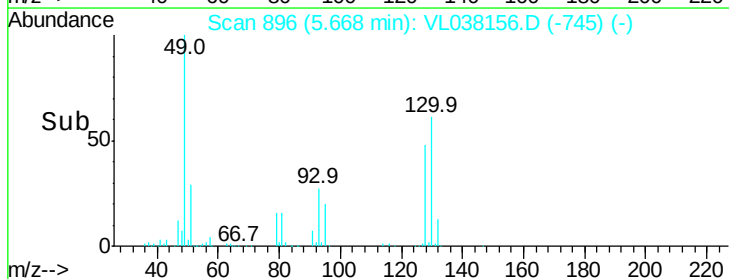
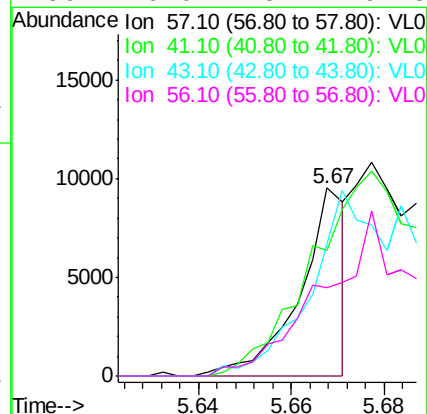
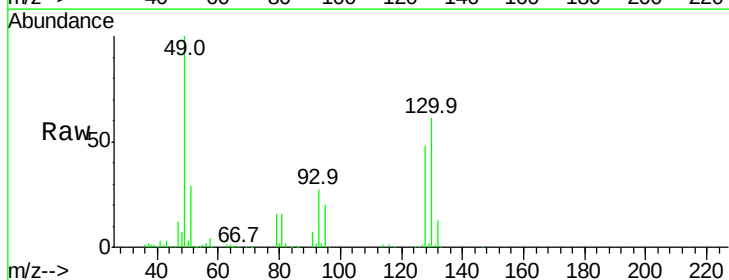
#20
Methvlene Chloride
Concen: 1.058 ppbv
RT: 4.34
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:44

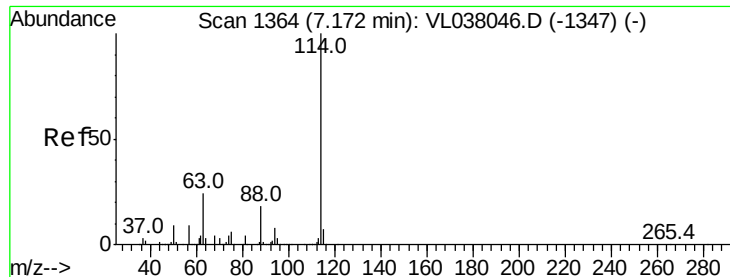
Tot Ion:	84	Resp:	42517
Ion	Ratio	Lower	Upper
84	100		
49	140.8	118.2	177.2
51	38.4	36.8	55.2
86	50.1	49.0	73.6



#26
Hexane
Concen: 0.057 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL038156.D
Acq: 7 Dec 2021 18:44

Tgt Ion:	57	Resp:	6569
Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2#
43	280.9	174.6	261.8#
56	0.0	43.2	64.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Dec 2021 18:44

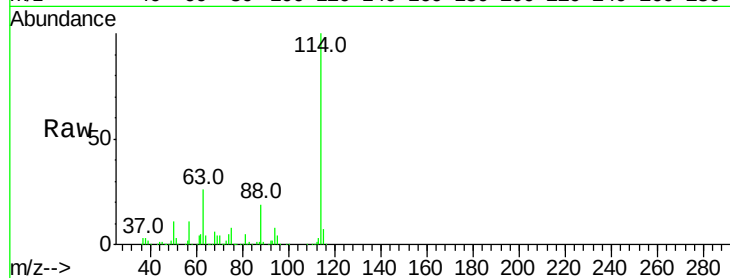
Tot Ion:114 Resp: 2173791

Ion Ratio Lower Upper

114 100

63 26.9 19.7 29.5

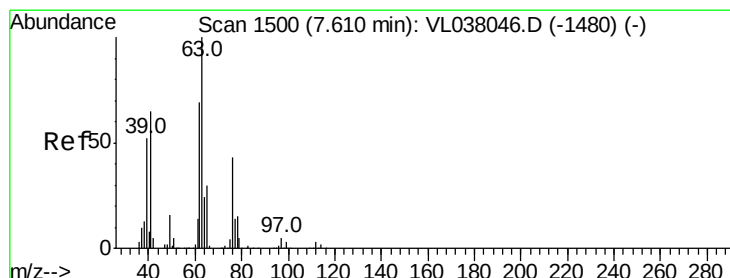
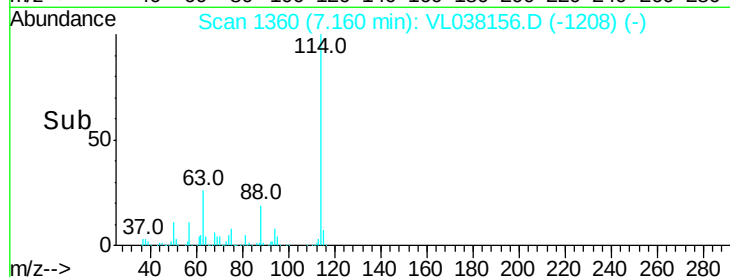
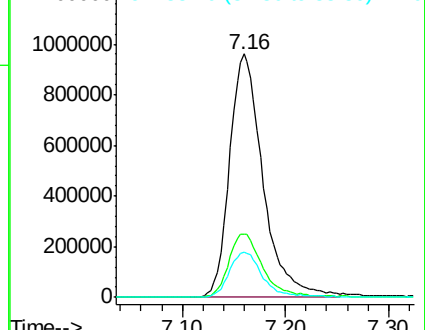
88 18.9 14.4 21.6



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



#39

1,2-Dichloropropane

Concen: 6.859 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.45 min

Lab File: VL038156.D

Acq: 7 Dec 2021 18:44

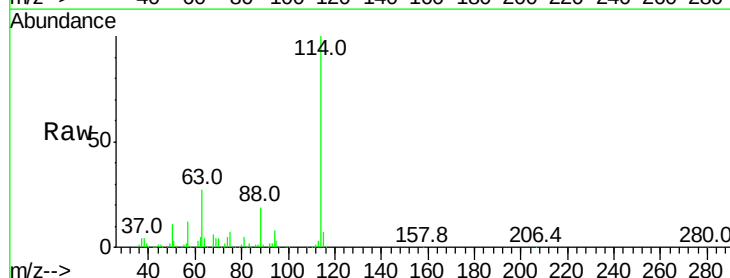
Tgt Ion: 63 Resp: 570518

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

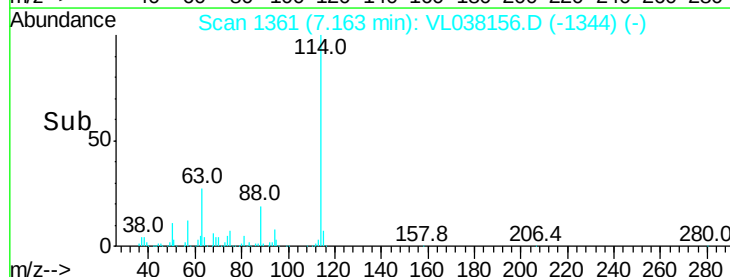
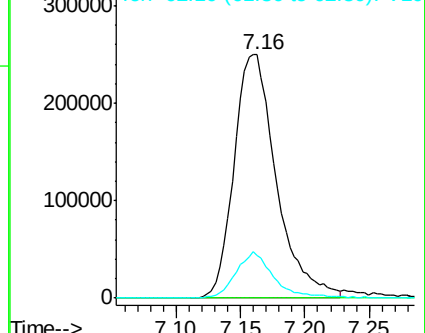
62 17.2 55.1 82.7#

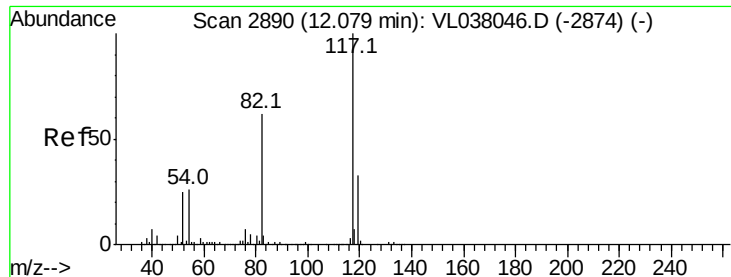


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

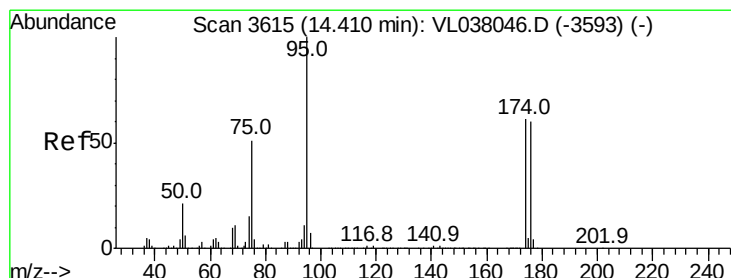
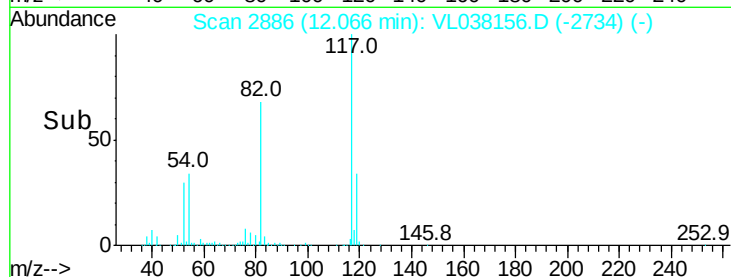
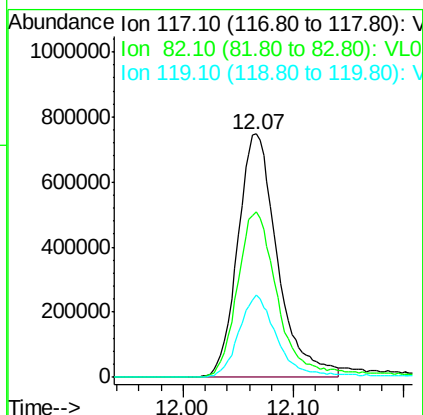
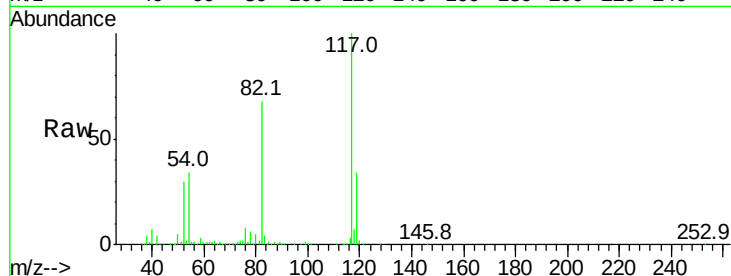
Ion 62.10 (61.80 to 62.80): VL0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:44

Tot Ion: 117 Resp: 1867619
Ion Ratio Lower Upper
117 100
82 72.9 52.8 79.2
119 34.3 26.8 40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 11.207 ppbv
RT: 14.39 min Scan# 3610
Delta R.T.: -0.02 min
Lab File: VL038156.D
Acq: 7 Dec 2021 18:44

Tgt Ion: 95 Resp: 1509770
Ion Ratio Lower Upper
95 100
174 60.9 53.1 79.7
175 4.1 4.0 6.0

