

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038151.D
 Acq On : 7 Dec 2021 15:27
 Operator : SY/AP
 Sample : M4827-02DL2 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL2

Quant Time: Dec 08 02:02:11 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	851336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2202438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1881807	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1566778	11.54	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.40%

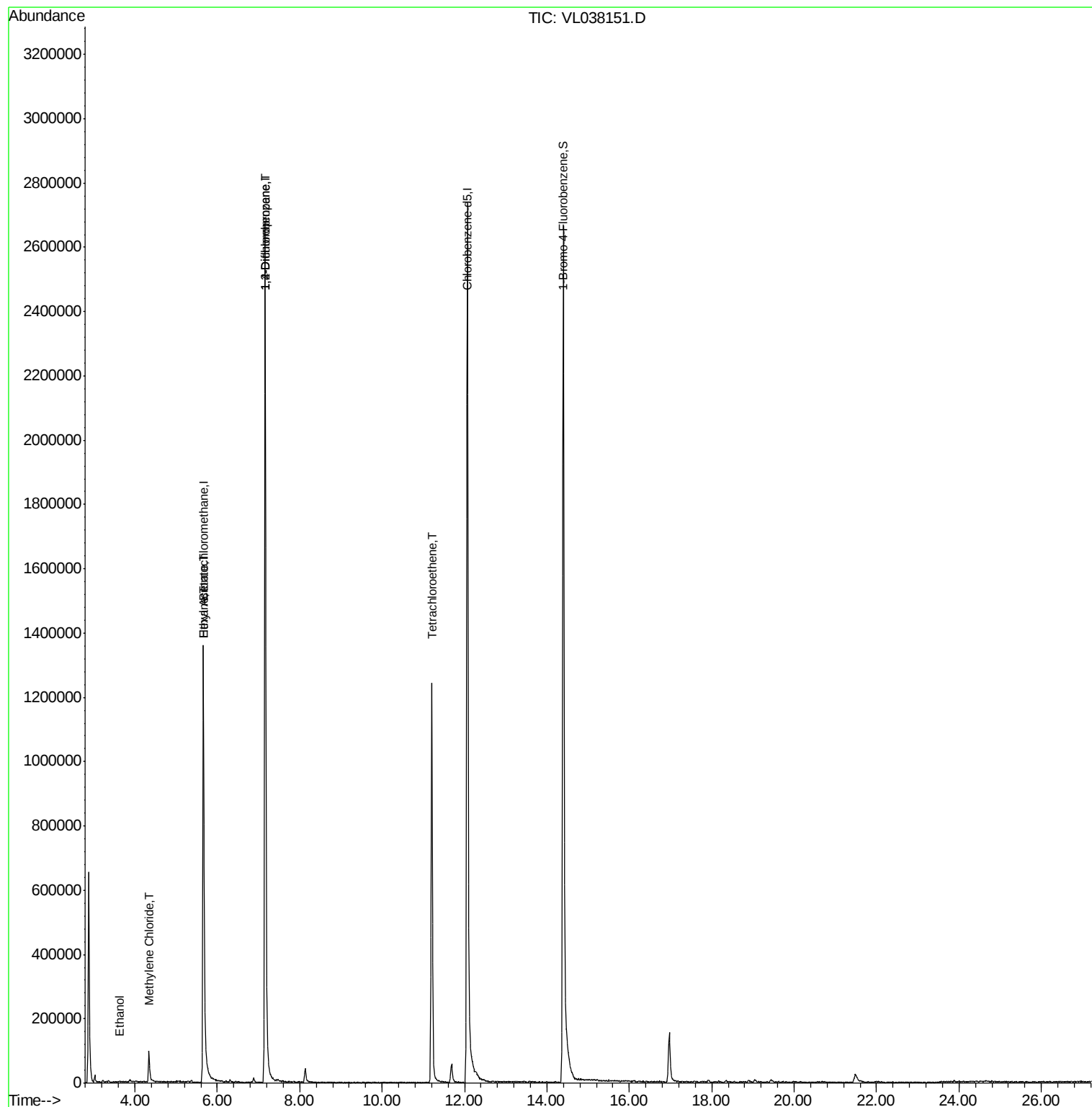
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	318	0.050	ppbv #	32
20) Methylene Chloride	4.34	84	44183	1.069	ppbv	94
25) Ethyl Acetate	5.67	43	7728	0.032	ppbv #	75
26) Hexane	5.67	57	8314	0.070	ppbv #	39
39) 1,2-Dichloropropane	7.16	63	603873	7.165	ppbv #	27
52) Tetrachloroethene	11.21	164	307992	3.789	ppbv	94

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 15:27

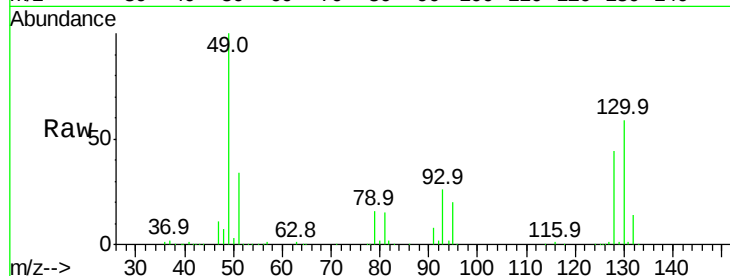
Tot Ion: 49 Resp: 851336

Ion Ratio Lower Upper

49 100

128 47.0 26.5 79.5

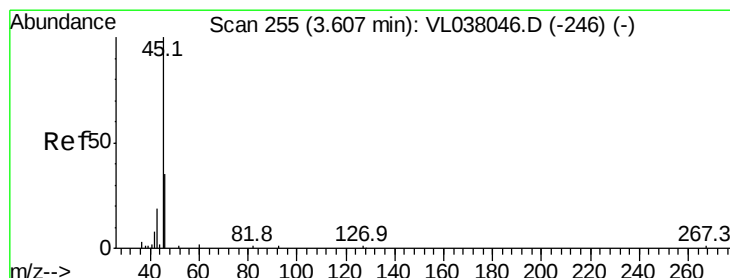
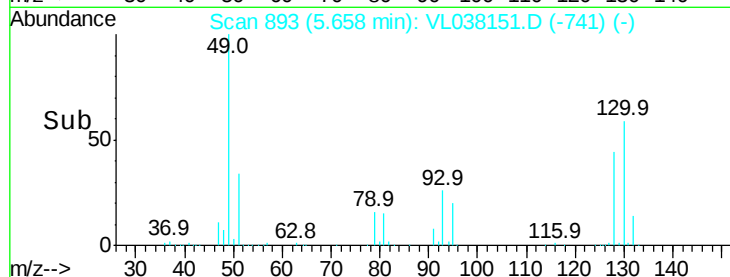
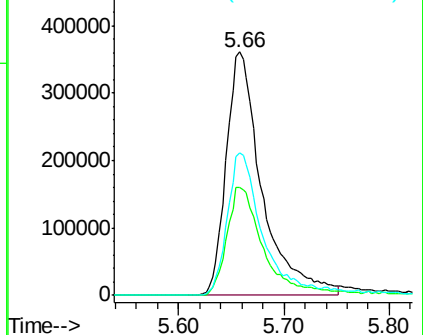
130 59.9 32.5 97.4



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



#13

Ethanol

Concen: 0.050 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL038151.D

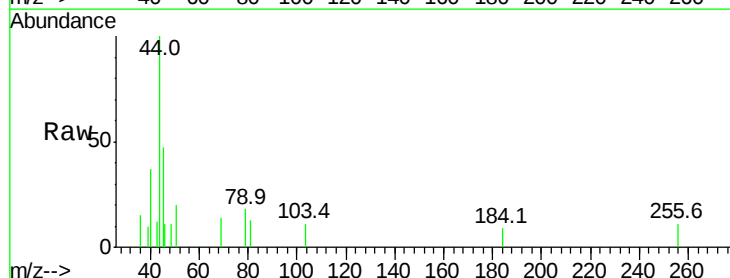
Acq: 7 Dec 2021 15:27

Tgt Ion: 45 Resp: 318

Ion Ratio Lower Upper

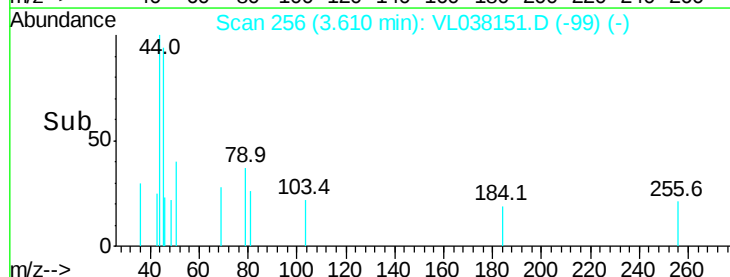
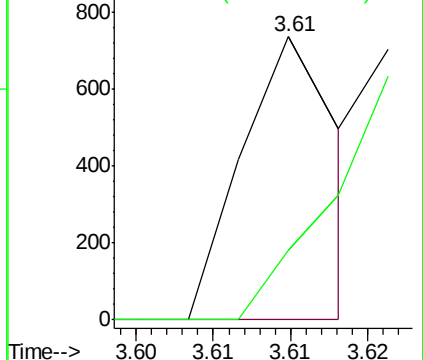
45 100

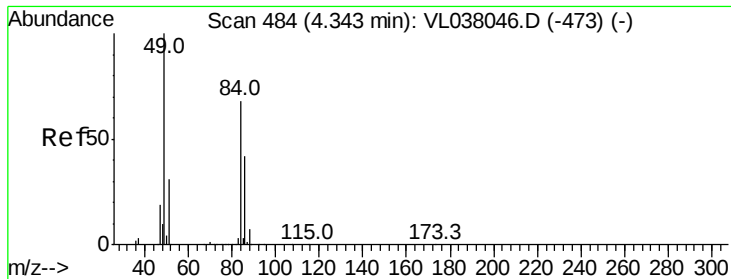
46 0.0 17.6 70.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

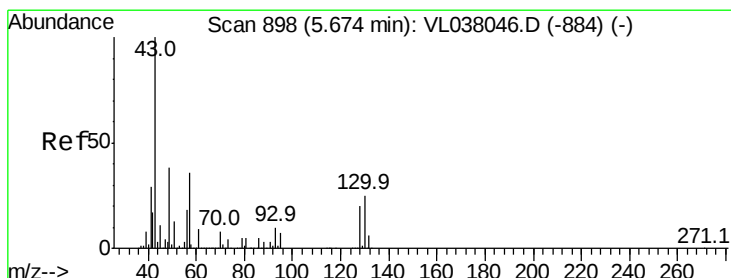
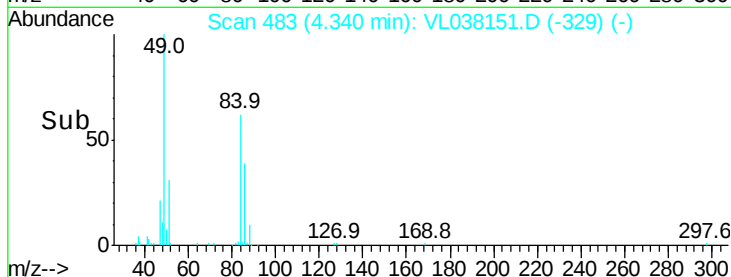
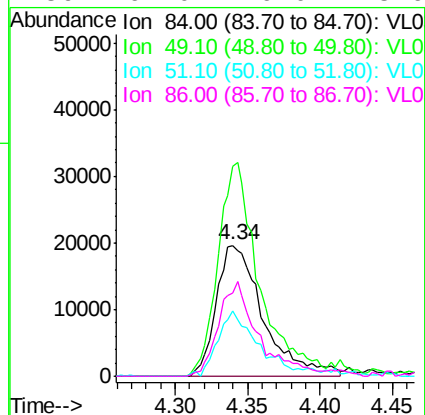
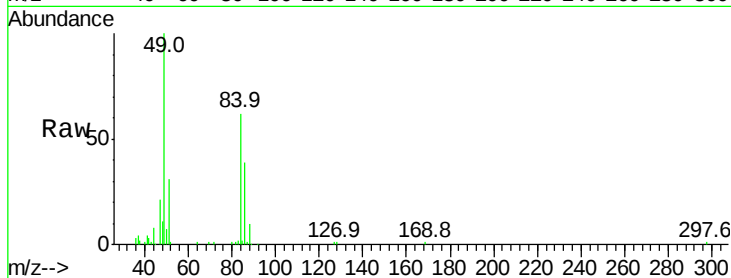
Ion 46.10 (45.80 to 46.80): VL0





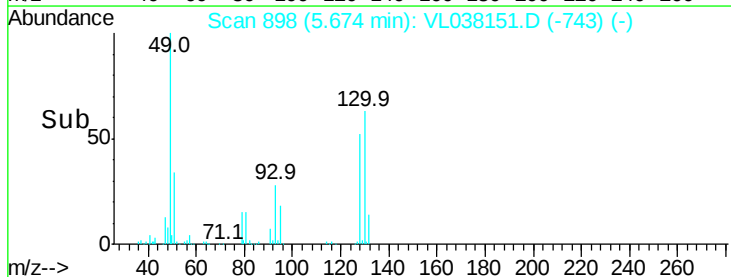
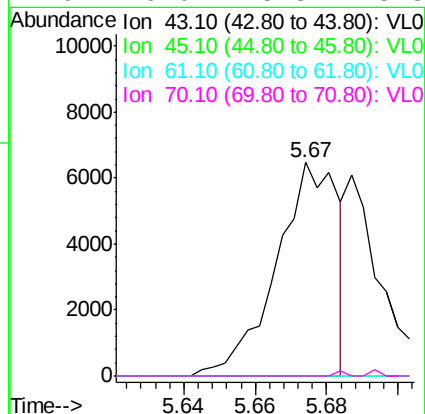
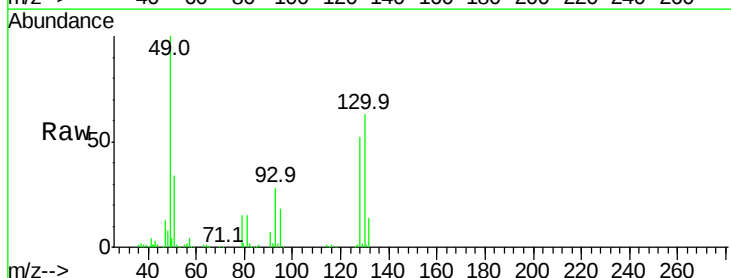
#20
Methvlene Chloride
Concen: 1.069 ppbv
RT: 4.34
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 7 Dec 2021 15:27

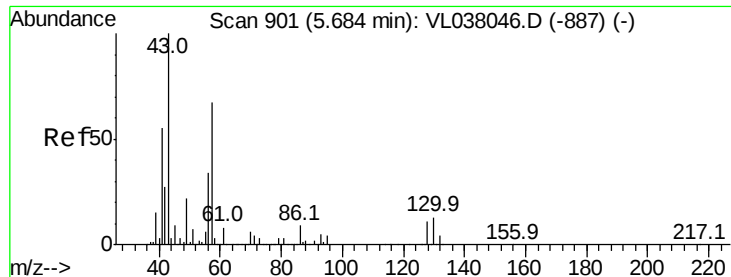
Tot Ion:	84	Resp:	44183
Ion	Ratio	Lower	Upper
84	100		
49	159.3	118.2	177.2
51	48.0	36.8	55.2
86	62.0	49.0	73.6



#25
Ethyl Acetate
Concen: 0.032 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL038151.D
Acq: 7 Dec 2021 15:27

Tgt Ion:	43	Resp:	7728
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.9	11.9#
61	0.0	7.8	11.6#
70	0.0	5.8	8.8#





#26

Hexane

Concen: 0.070 ppbv

RT: 5.67 Instrument:

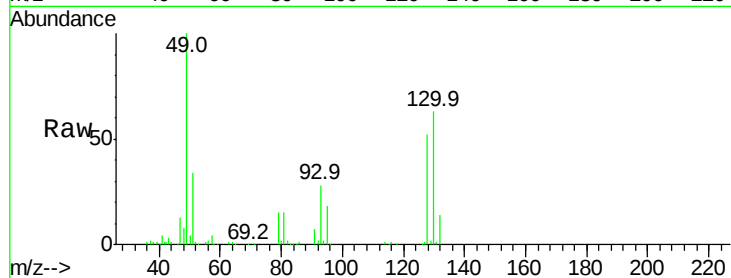
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Dec 2021 15:27

Tot Ion: 57 Resp: 8314

Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2#
43	153.4	174.6	261.8#
56	116.1	43.2	64.8#

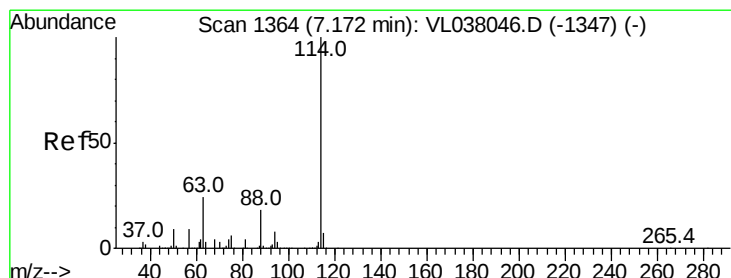
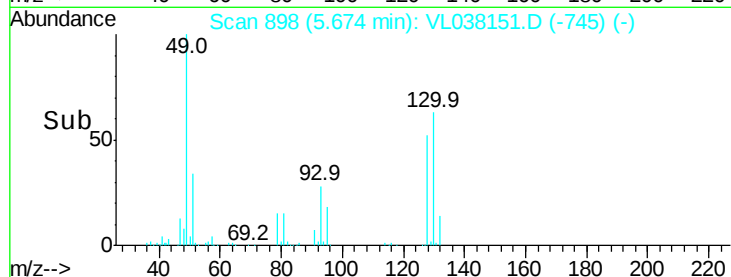
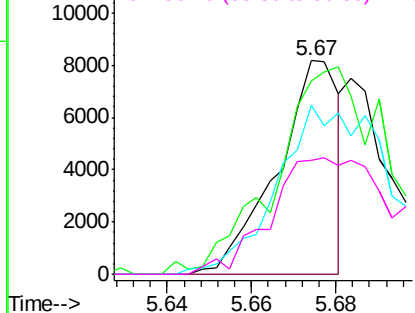


Abundance Ion 57.10 (56.80 to 57.80): VL0

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# 1361

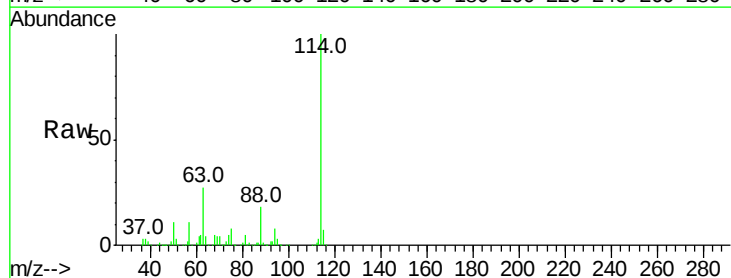
Delta R.T. -0.01 min

Lab File: VL038151.D

Acq: 7 Dec 2021 15:27

Tgt Ion: 114 Resp: 2202438

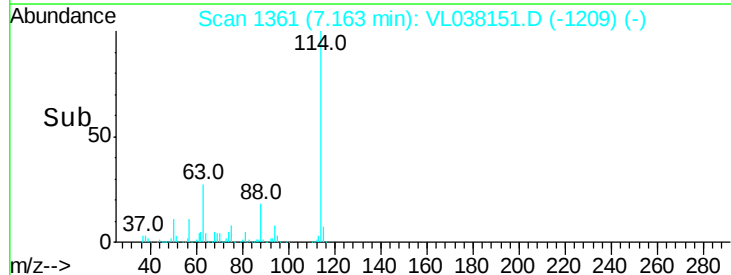
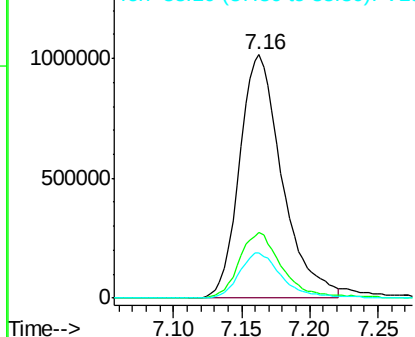
Ion	Ratio	Lower	Upper
114	100		
63	27.8	19.7	29.5
88	19.1	14.4	21.6

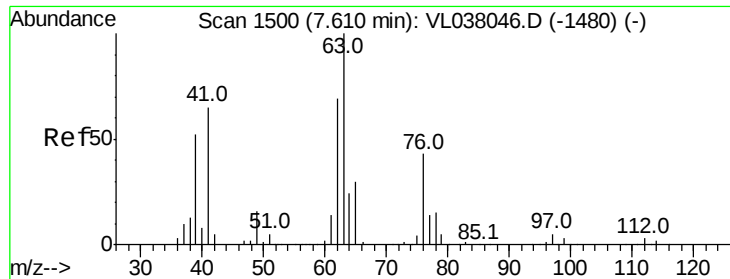


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.165 ppbv

RT: 7.16 Instrument: MSVOA_1

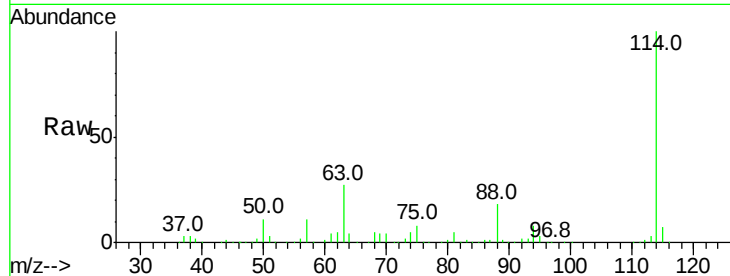
Delta R.T. ClientSampleId:

Lab File: IA-2DL2

Acq: 7 Dec 2021 15:27

Tot Ion: 63 Resp: 603873

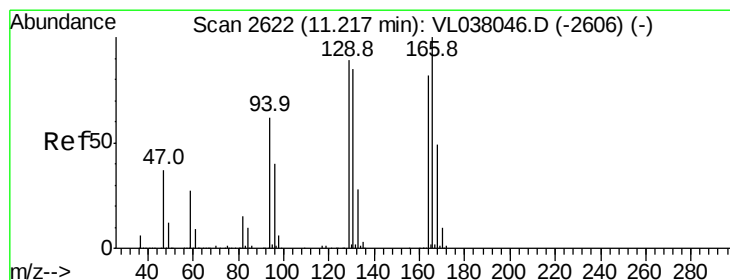
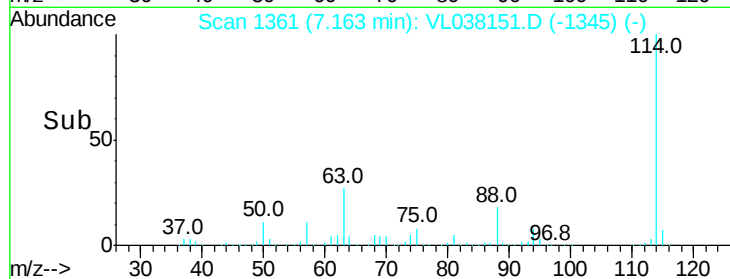
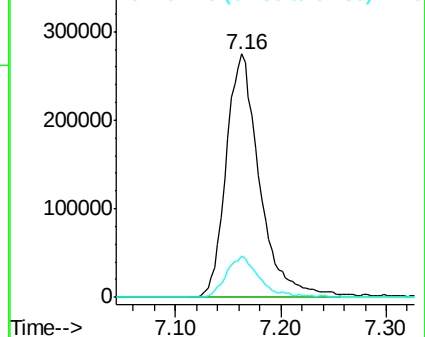
Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	17.1	55.1	82.7#



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



#52

Tetrachloroethene

Concen: 3.789 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL038151.D

Acq: 7 Dec 2021 15:27

Tgt Ion:164 Resp: 307992

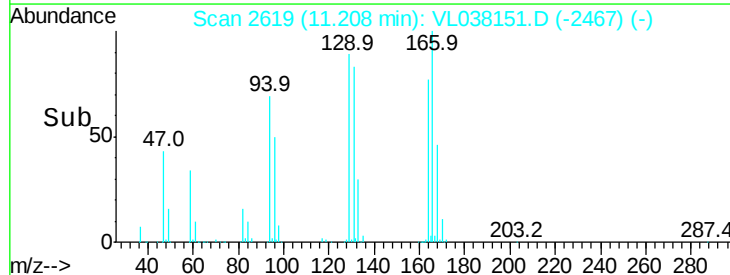
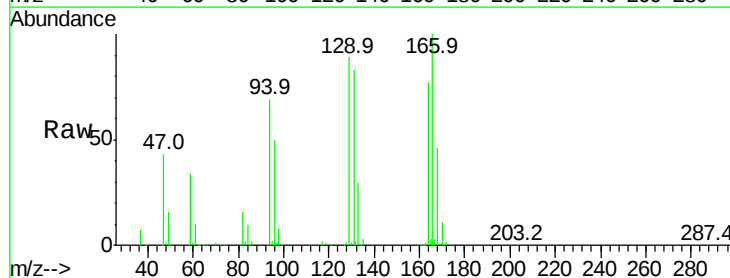
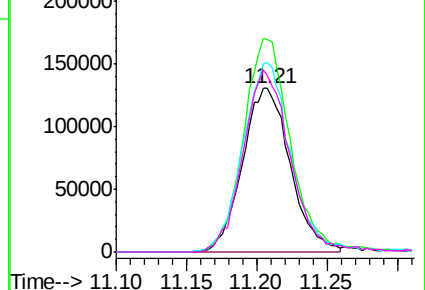
Ion	Ratio	Lower	Upper
164	100		
166	129.5	97.2	145.8
129	115.3	86.9	130.3
131	108.0	82.8	124.2

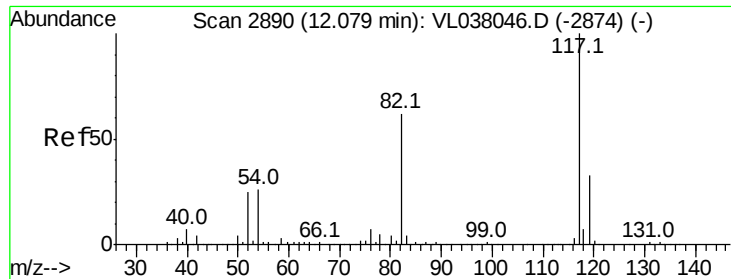
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

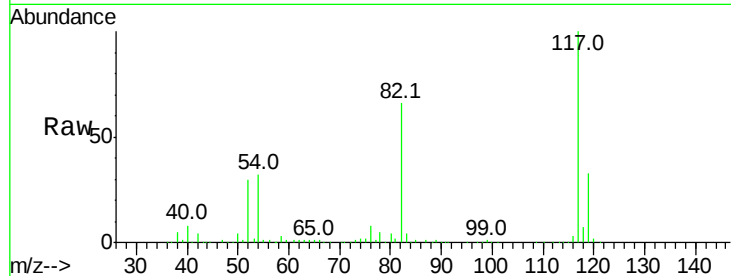
Ion 131.00 (130.70 to 131.70): V



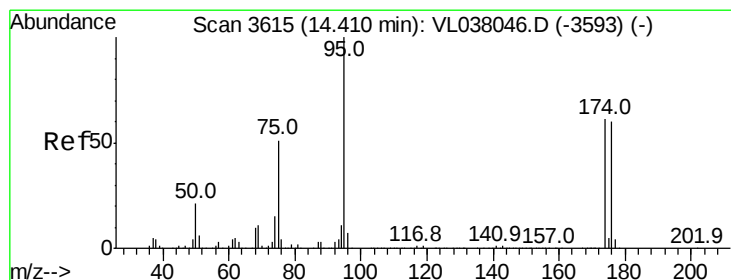
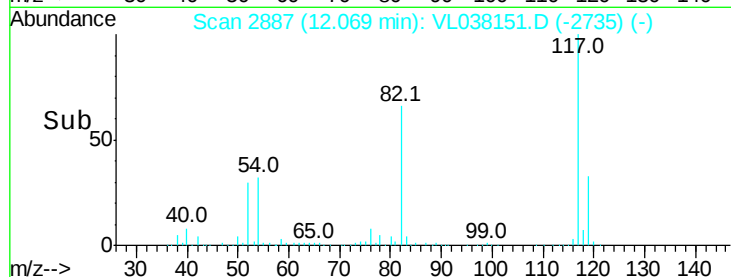
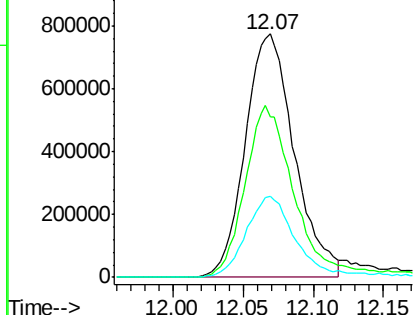


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 15:27

Tot Ion:117 Resp: 1881807
Ion Ratio Lower Upper
117 100
82 75.2 52.8 79.2
119 35.3 26.8 40.2

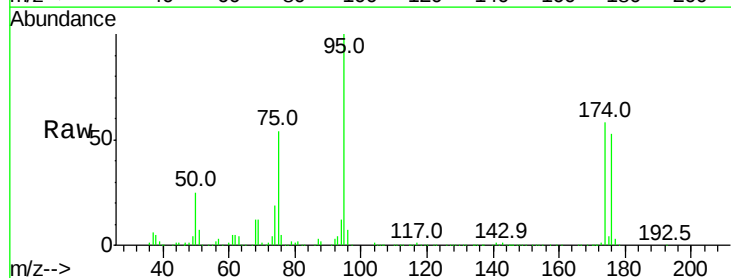


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 11.543 ppbv
RT: 14.40 min Scan# 3611
Delta R.T.: -0.01 min
Lab File: VL038151.D
Acq: 7 Dec 2021 15:27

Tgt Ion: 95 Resp: 1566778
Ion Ratio Lower Upper
95 100
174 61.2 53.1 79.7
175 4.0 4.0 6.0#



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

