

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039495.D
 Acq On : 20 Jul 2022 00:13
 Operator : SY/AP
 Sample : N3750-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Jul 20 05:40:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1129322	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3274022	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2940120	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2127672	9.75	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

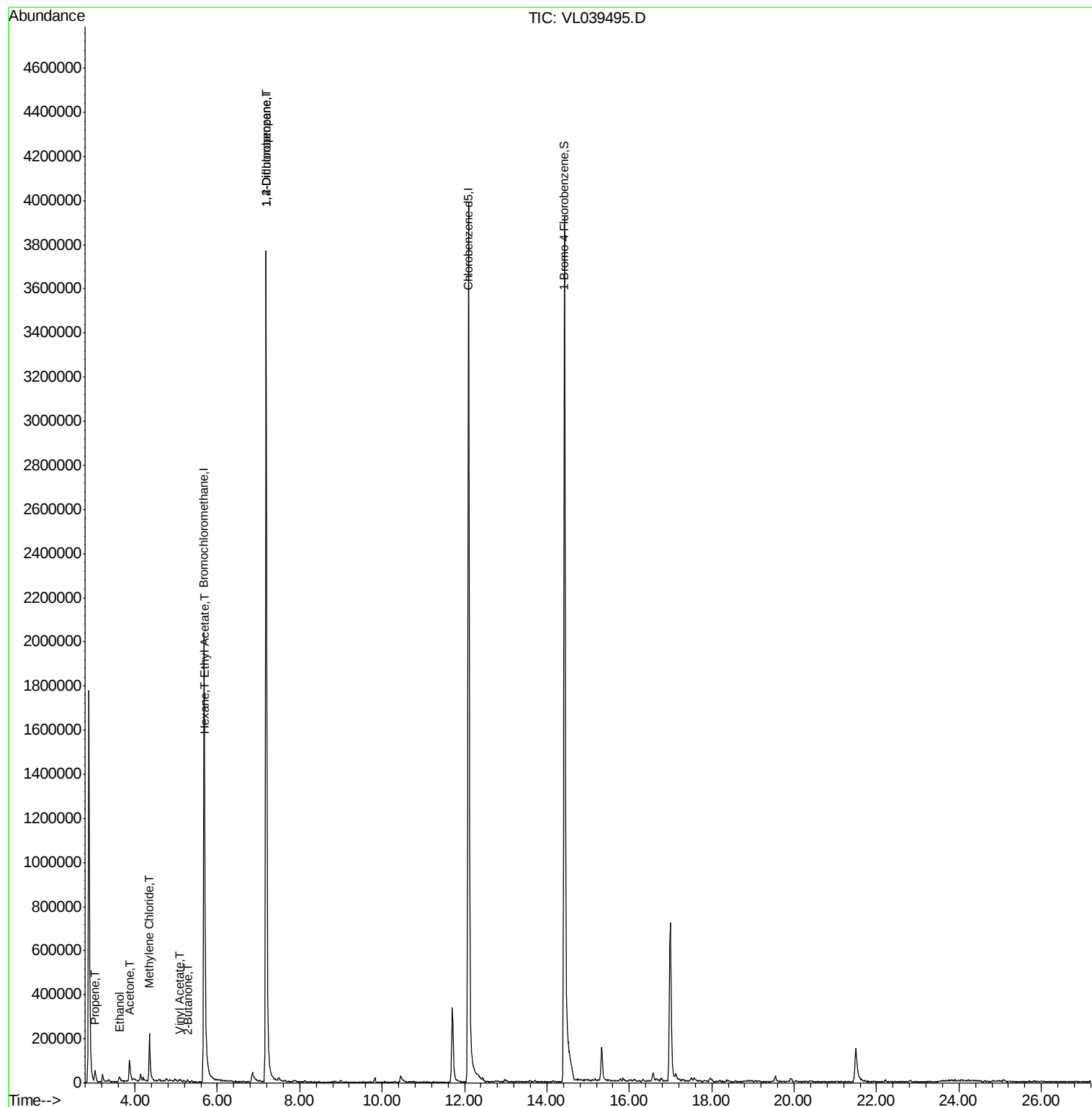
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	8819	0.136	ppbv #	60
13) Ethanol	3.62	45	13781	3.671	ppbv #	23
15) Acetone	3.87	43	128148	0.959	ppbv #	89
20) Methylene Chloride	4.35	84	77434	1.454	ppbv	98
23) Vinyl Acetate	5.08	43	4906	0.055	ppbv #	64
25) Ethyl Acetate	5.70	43	48929	0.179	ppbv #	80
26) Hexane	5.70	57	67142	0.608	ppbv #	43
34) 2-Butanone	5.27	43	8123	0.049	ppbv #	42
39) 1,2-Dichloropropane	7.18	63	779327	8.233	ppbv #	24

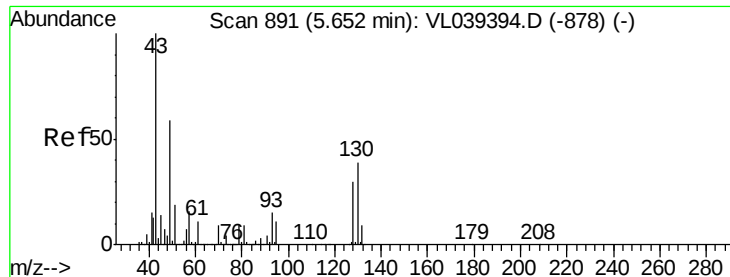
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
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QLast Update : Wed Jul 06 02:15:38 2022
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-1DL

Acq: 20 Jul 2022 00:13

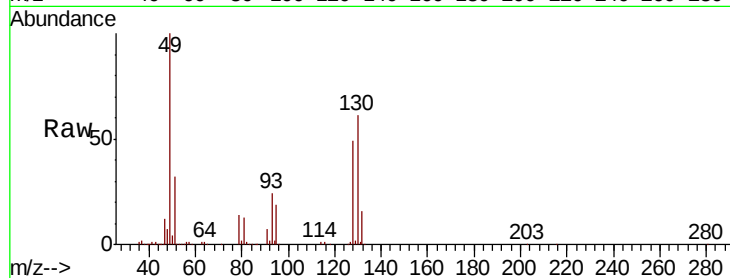
Tot Ion: 49 Resp: 1129322

Ion Ratio Lower Upper

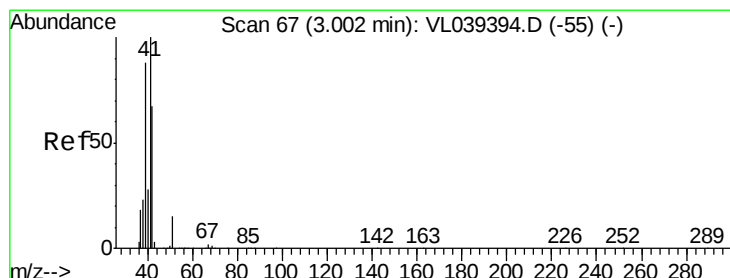
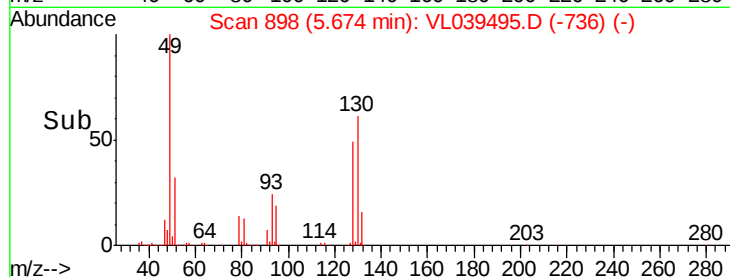
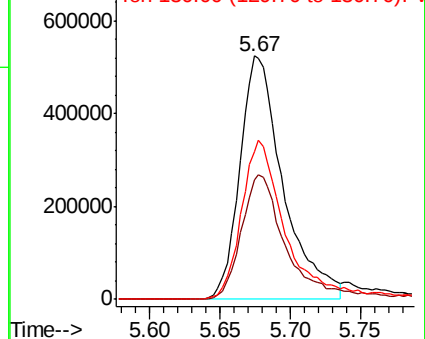
49 100

128 55.3 26.7 80.0

130 69.4 34.3 102.8



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



#9

Propene

Concen: 0.136 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL039495.D

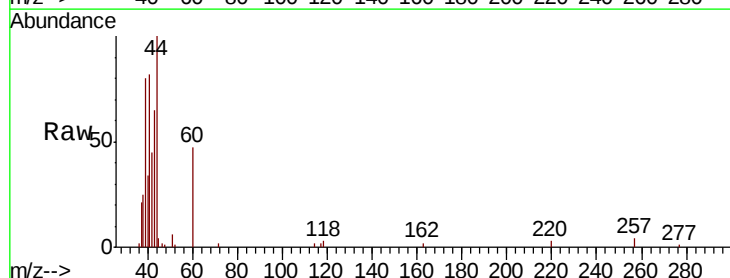
Acq: 20 Jul 2022 00:13

Tgt Ion: 41 Resp: 8819

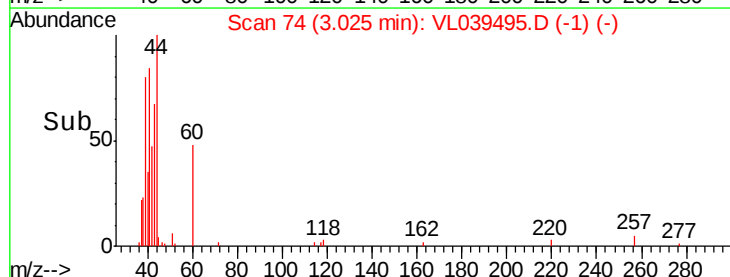
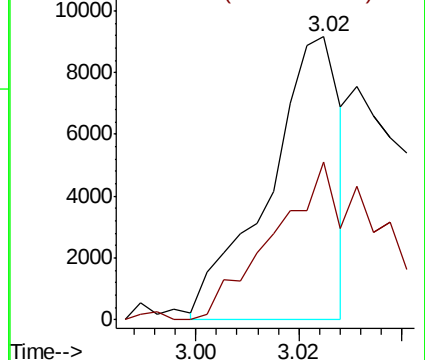
Ion Ratio Lower Upper

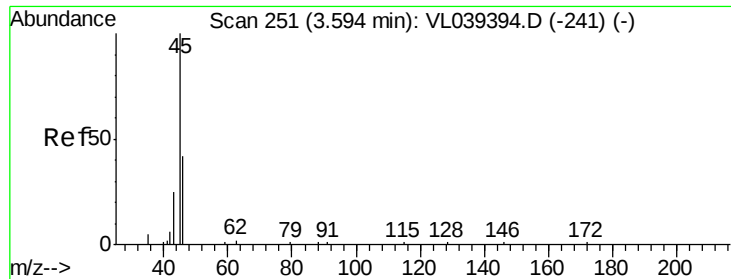
41 100

42 101.3 55.2 82.8#



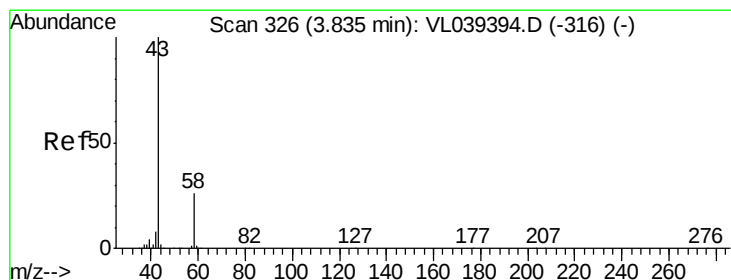
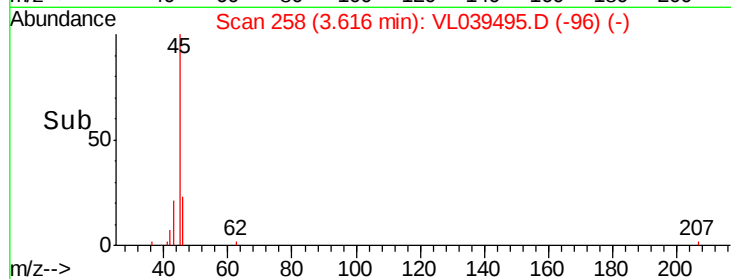
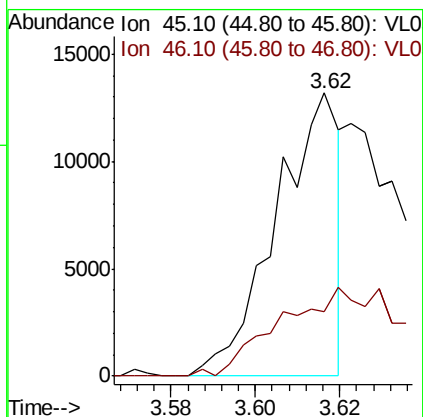
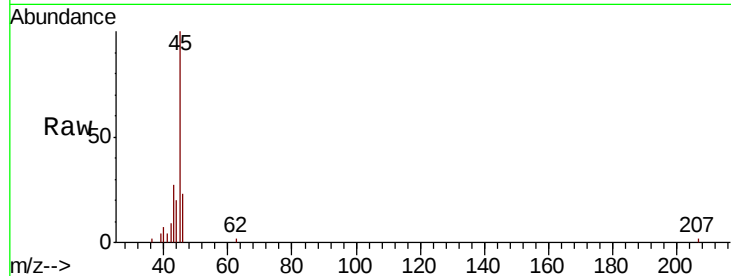
Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





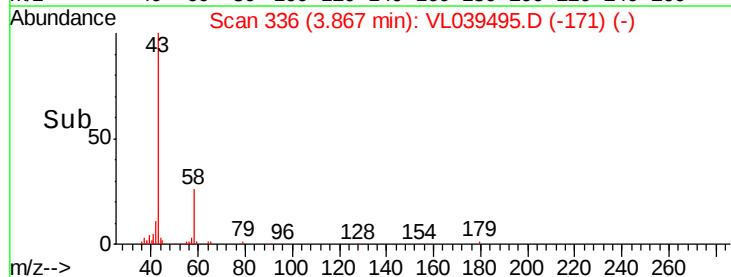
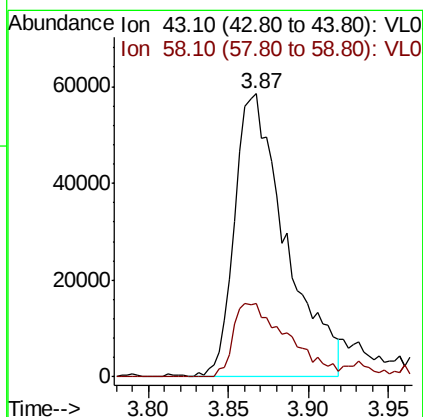
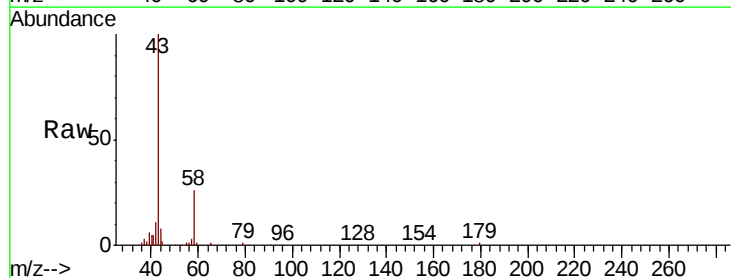
#13
Ethanol
Concen: 3.671 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 00:13

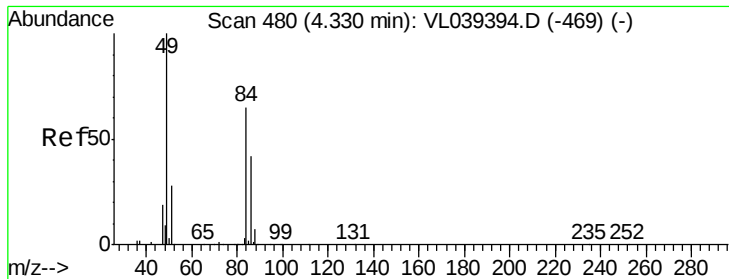
Tot Ion: 45 Resp: 13781
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#



#15
Acetone
Concen: 0.959 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL039495.D
Acq: 20 Jul 2022 00:13

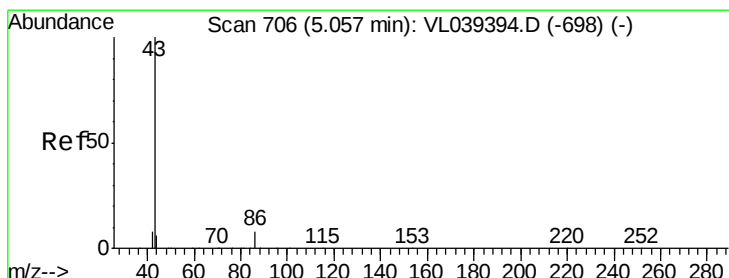
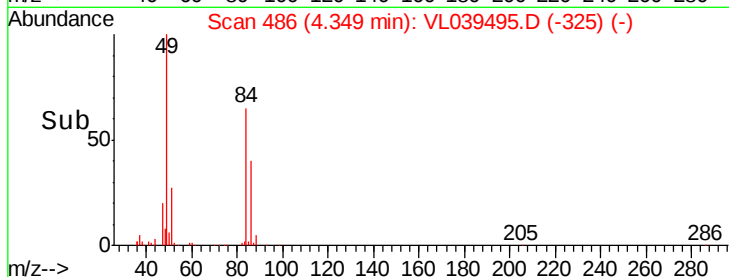
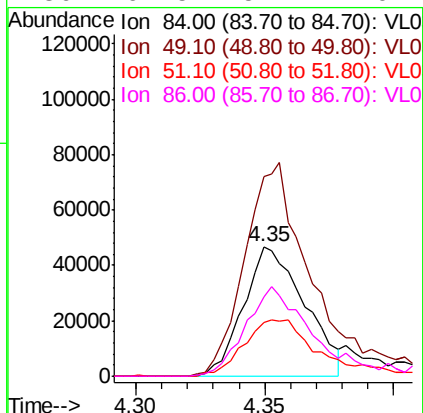
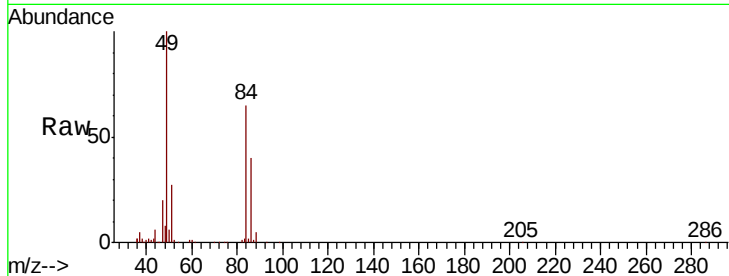
Tgt Ion: 43 Resp: 128148
Ion Ratio Lower Upper
43 100
58 32.0 21.0 31.6#





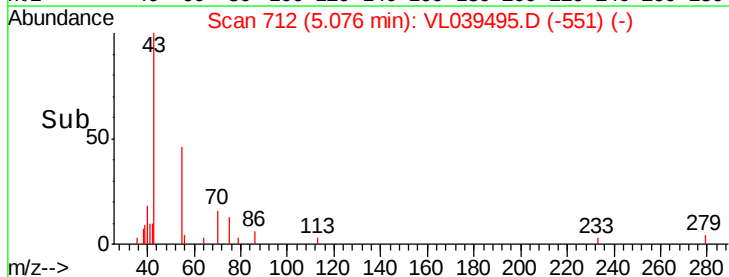
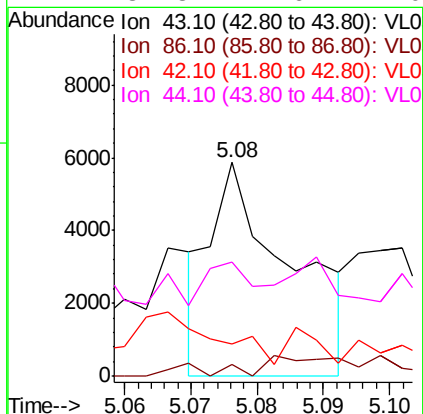
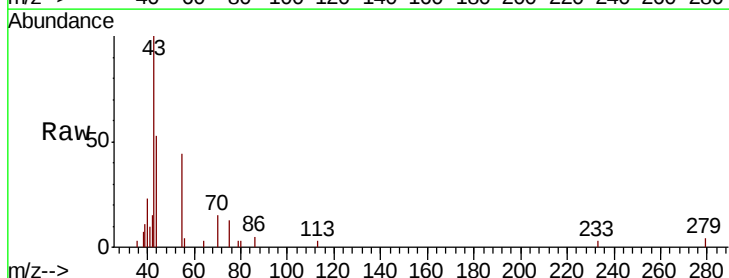
#20
Methvlene Chloride
Concen: 1.454 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 20 Jul 2022 00:13

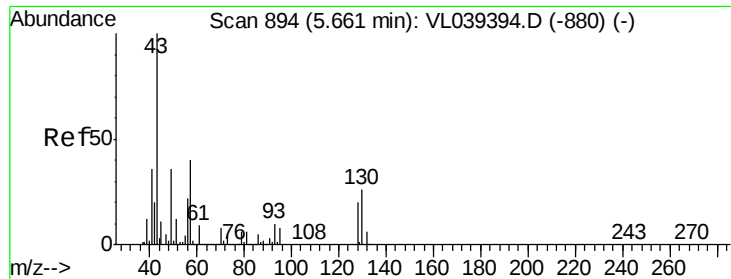
Tot Ion:	84	Resp:	77434
Ion	Ratio	Lower	Upper
84	100		
49	154.4	123.1	184.7
51	40.4	34.4	51.6
86	61.5	51.1	76.7



#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 5.08 min Scan# 712
Delta R.T.: 0.02 min
Lab File: VL039495.D
Acq: 20 Jul 2022 00:13

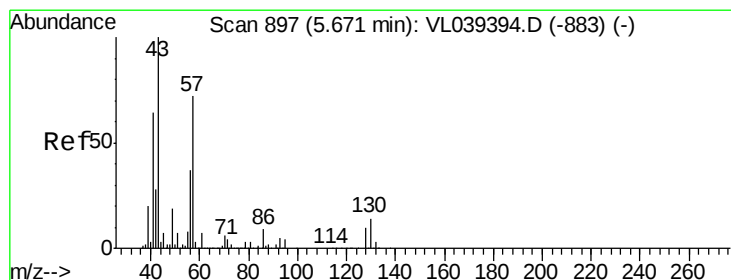
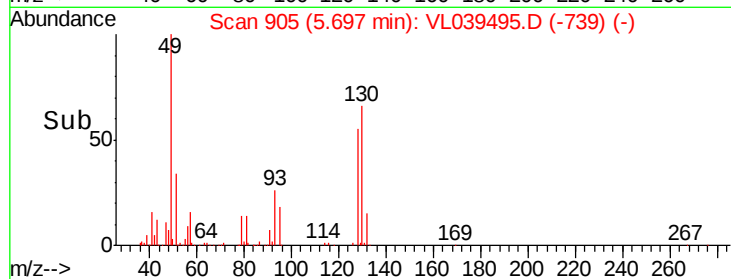
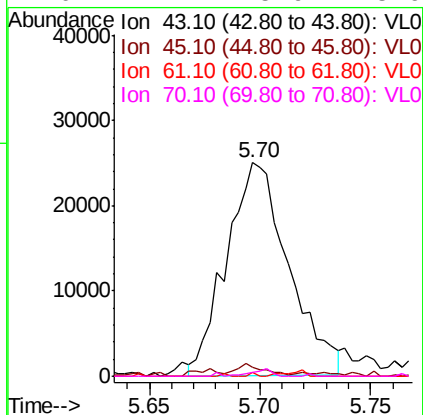
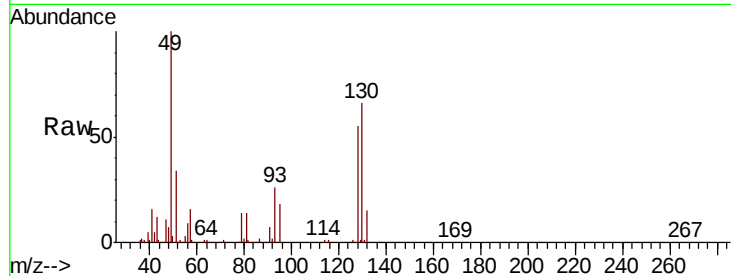
Tgt Ion:	43	Resp:	4906
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	17.8	7.7	11.5#
44	31.8	4.6	7.0#





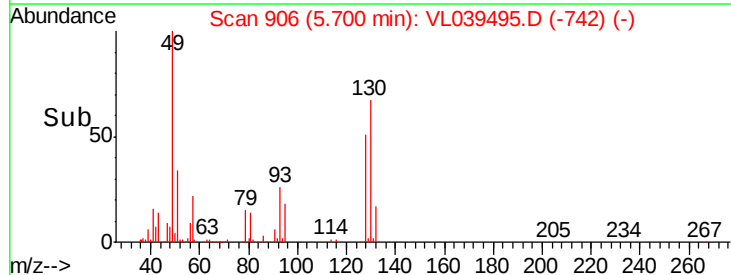
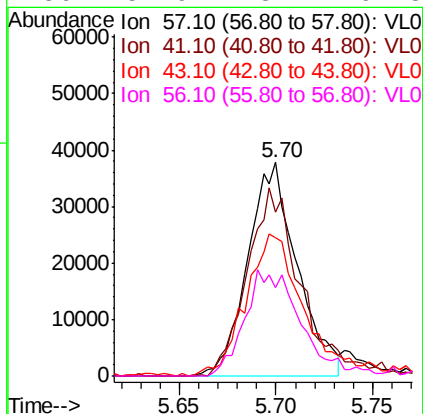
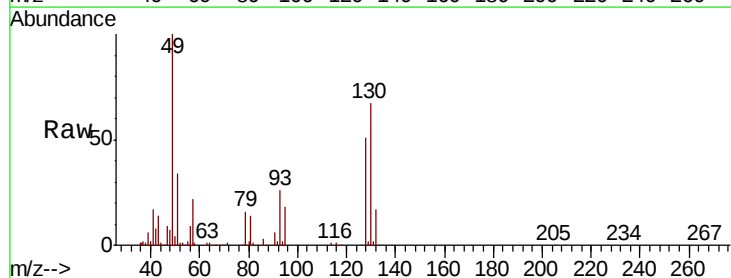
#25
Ethyl Acetate
Concen: 0.179 ppbv
RT: 5.70 min
Delta R.T. 0.03 min
Lab File: VL039495.D
Acq: 20 Jul 2022 00:13

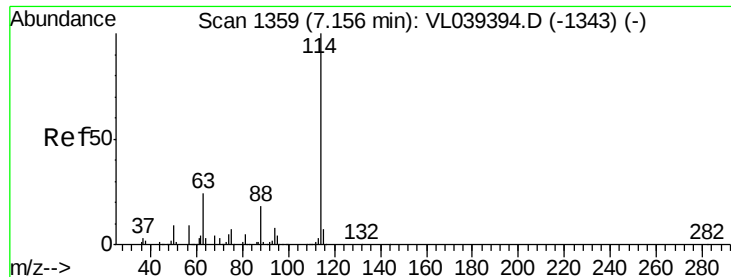
Tot Ion:	43	Resp:	48929
Ion	Ratio	Lower	Upper
43	100		
45	4.4	8.2	12.4#
61	0.3	8.3	12.5#
70	1.4	5.9	8.9#



#26
Hexane
Concen: 0.608 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039495.D
Acq: 20 Jul 2022 00:13

Tgt Ion:	57	Resp:	67142
Ion	Ratio	Lower	Upper
57	100		
41	96.3	76.9	115.3
43	82.8	191.0	286.6#
56	57.9	43.2	64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_L

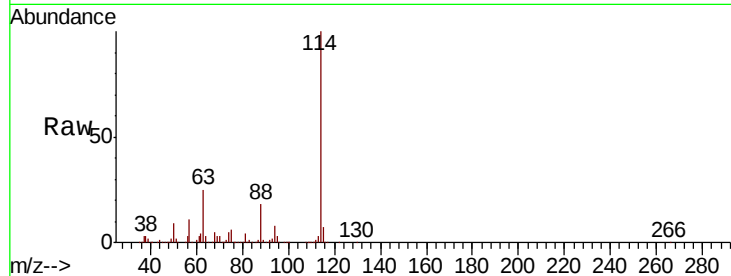
Delta R.T. ClientSampleId:

Lab File: IA-1DL

Acq: 20 Jul 2022 00:13

Tot Ion:114 Resp: 3274022

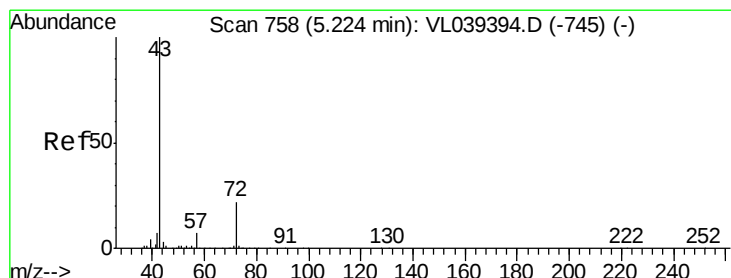
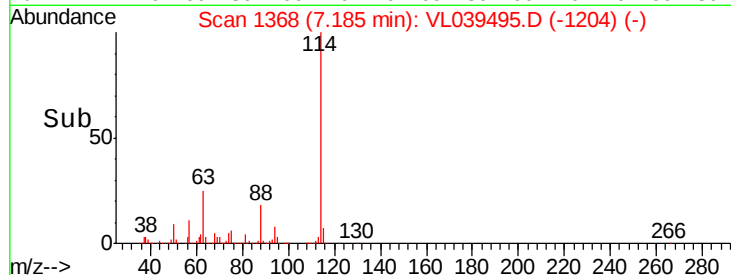
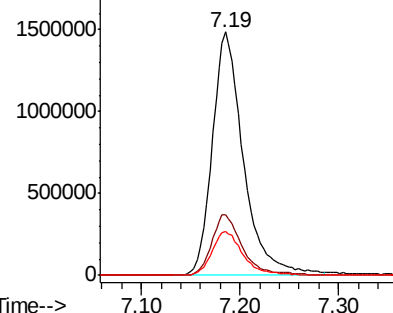
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.4	14.5	21.7



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: 0.049 ppbv

RT: 5.27 min Scan# 772

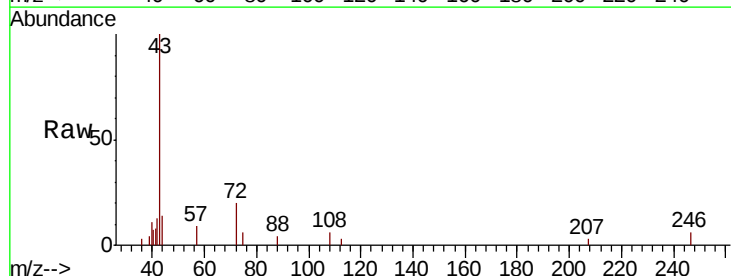
Delta R.T. 0.04 min

Lab File: VL039495.D

Acq: 20 Jul 2022 00:13

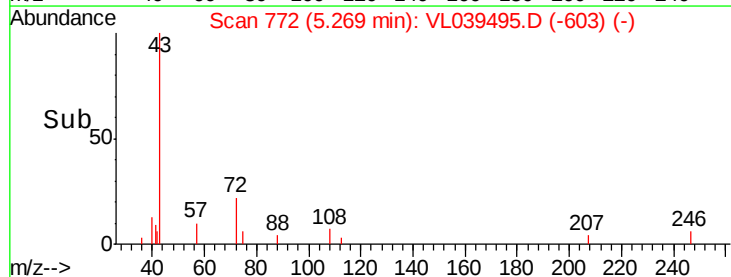
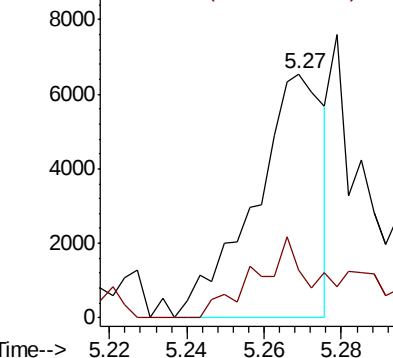
Tgt Ion: 43 Resp: 8123

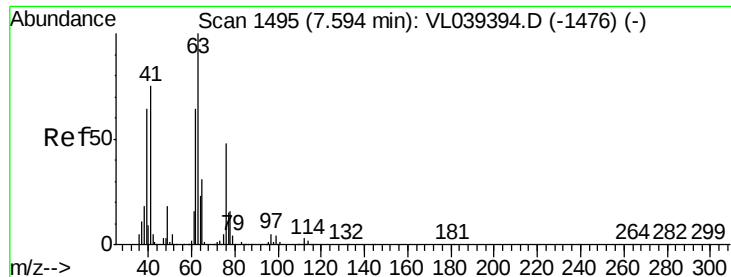
Ion	Ratio	Lower	Upper
43	100		
72	50.5	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 8.233 ppbv

RT: 7.18 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 00:13

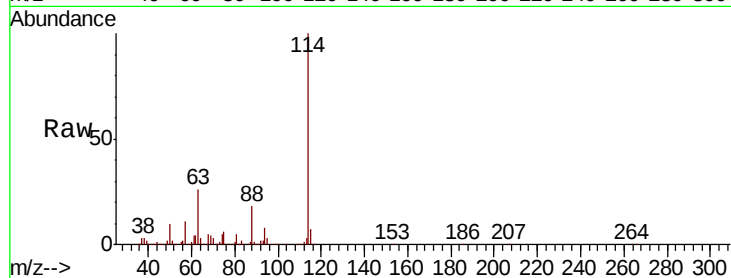
Tot Ion: 63 Resp: 779327

Ion Ratio Lower Upper

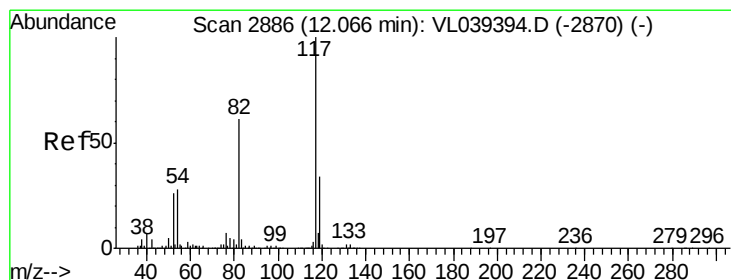
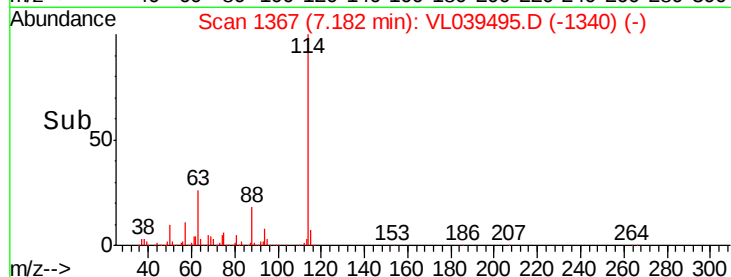
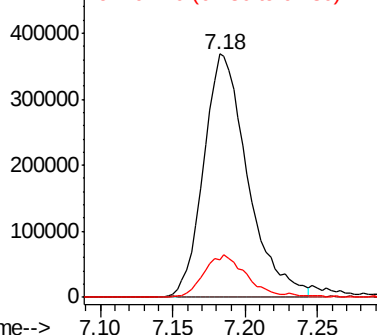
63 100

41 0.0 59.6 89.4#

62 15.5 51.4 77.0#



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: 12.10 min Scan# 2896

Delta R.T. 0.03 min

Lab File: VL039495.D

Acq: 20 Jul 2022 00:13

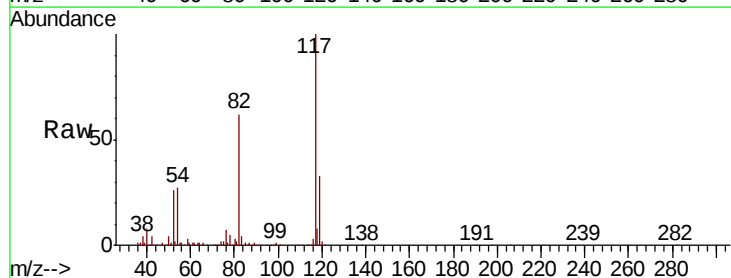
Tgt Ion: 117 Resp: 2940120

Ion Ratio Lower Upper

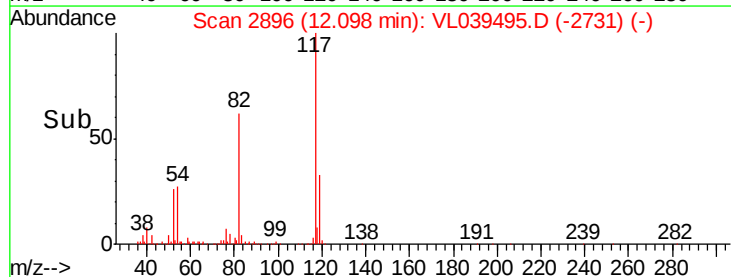
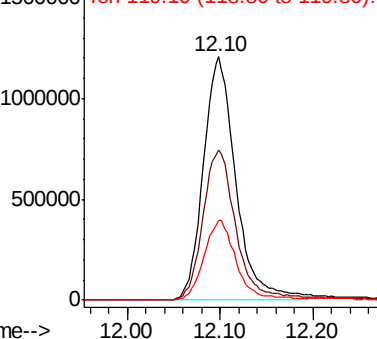
117 100

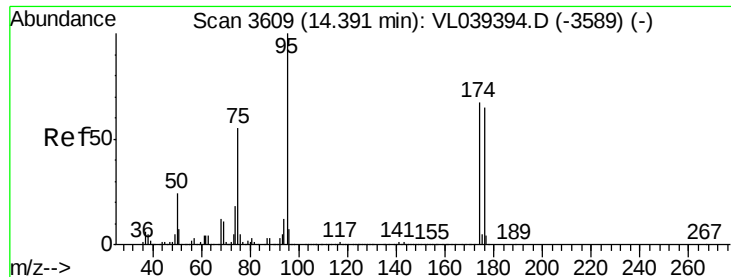
82 63.9 50.8 76.2

119 33.7 24.1 36.1



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.755 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Jul 2022 00:15

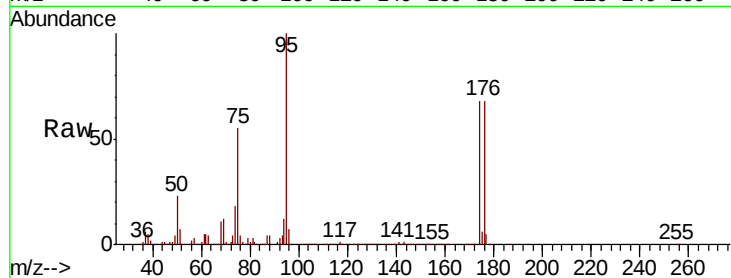
Tot Ion: 95 Resp: 2127672

Ion Ratio Lower Upper

95 100

174 75.2 55.9 83.9

175 5.4 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

