

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038640.D
 Acq On : 18 Mar 2022 00:23
 Operator : SY/AP
 Sample : N1965-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA7DL

Quant Time: Mar 18 03:40:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	846281	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2153047	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1846270	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1300723	9.27	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

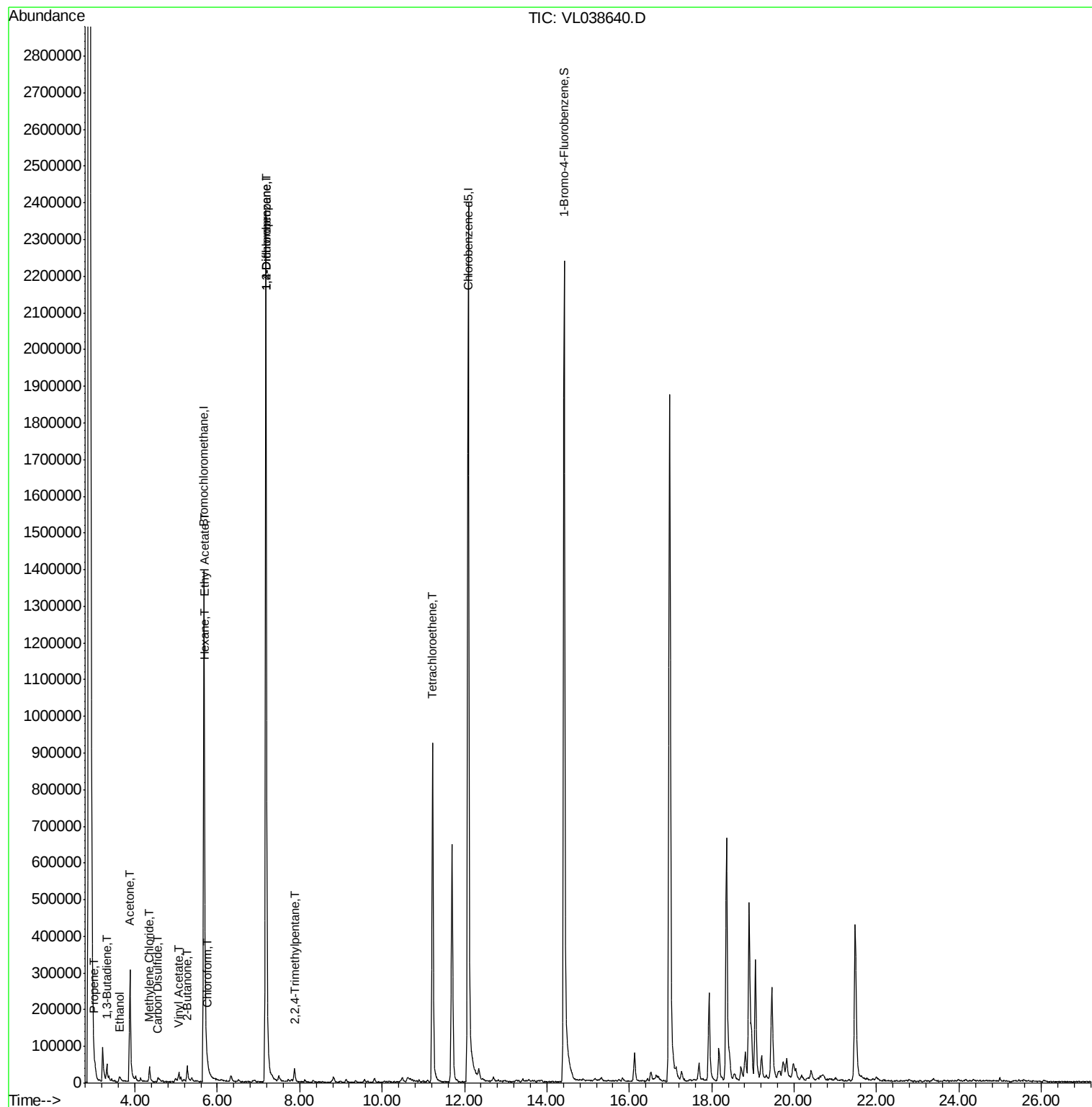
Target Compounds						Qvalue
9) Propene	3.02	41	4382	0.08	ppbv #	15
13) Ethanol	3.62	45	5466	0.90	ppbv #	34
15) Acetone	3.88	43	240901	4.04	ppbv #	85
16) 1,3-Butadiene	3.32	39	10865	0.23	ppbv #	17
20) Methylene Chloride	4.35	84	15568	0.43	ppbv	89
23) Vinyl Acetate	5.07	43	4403	0.05	ppbv #	1
25) Ethyl Acetate	5.69	43	7753	0.04	ppbv #	78
26) Hexane	5.69	57	15659	0.17	ppbv #	47
27) Carbon Disulfide	4.56	76	7518	0.08	ppbv #	8
29) Chloroform	5.75	83	5183	0.04	ppbv	95
34) 2-Butanone	5.27	43	65816	1.18	ppbv	96
39) 1,2-Dichloropropane	7.18	63	497104	6.65	ppbv #	28
44) 2,2,4-Trimethylpentane	7.87	57	15224	0.05	ppbv #	10
52) Tetrachloroethene	11.23	164	266003	3.74	ppbv	96

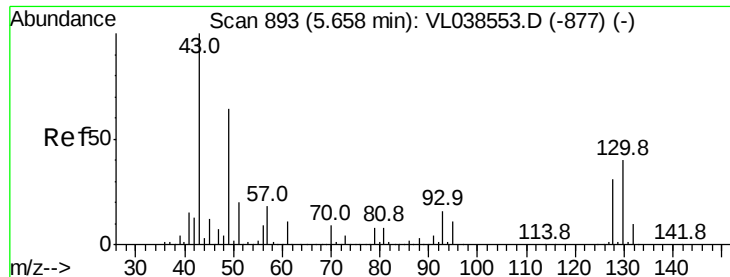
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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C0PA7DL

Quant Time: Mar 18 03:40:20 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 00:23

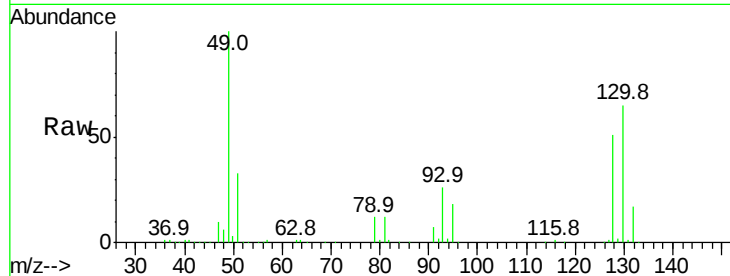
Tgt Ion: 49 Resp: 846281

Ion Ratio Lower Upper

49 100

128 53.7 26.4 79.2

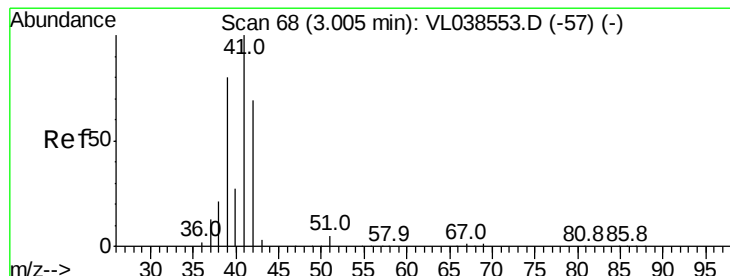
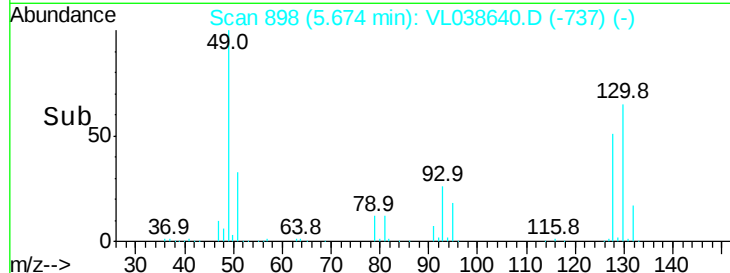
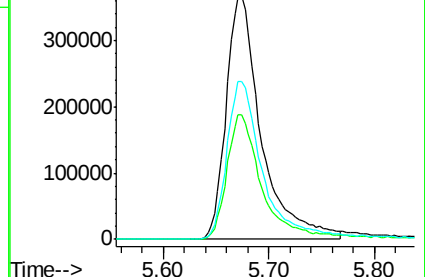
130 68.2 33.0 98.9



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



#9

Propene

Concen: 0.08 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL038640.D

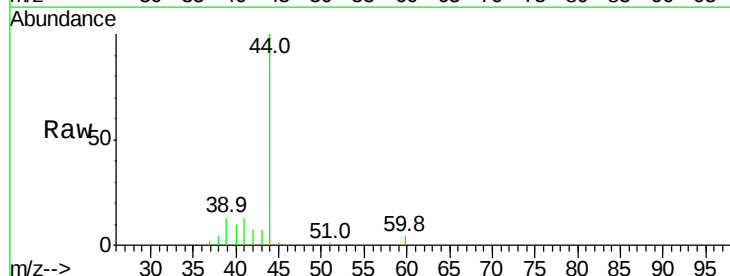
Acq: 18 Mar 2022 00:23

Tgt Ion: 41 Resp: 4382

Ion Ratio Lower Upper

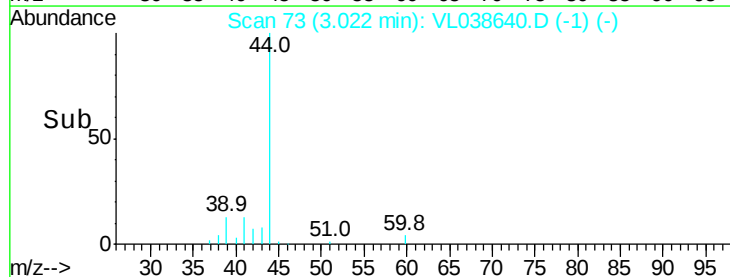
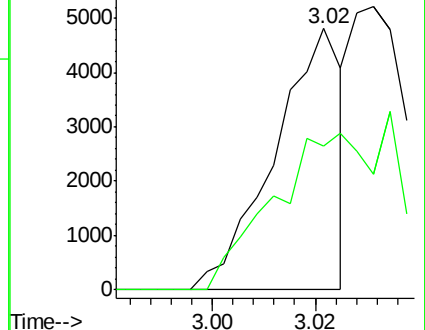
41 100

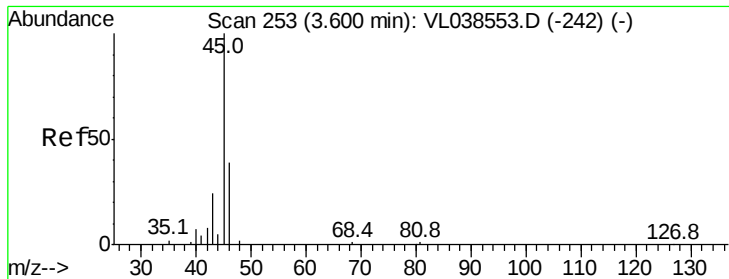
42 0.0 55.7 83.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

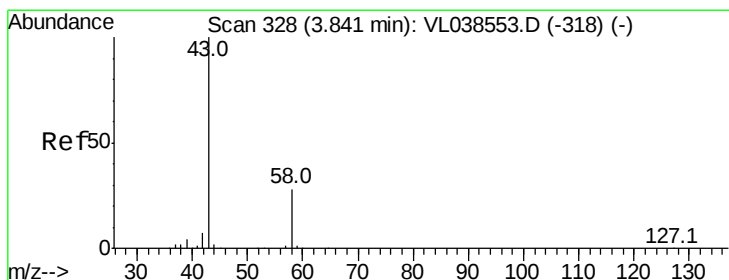
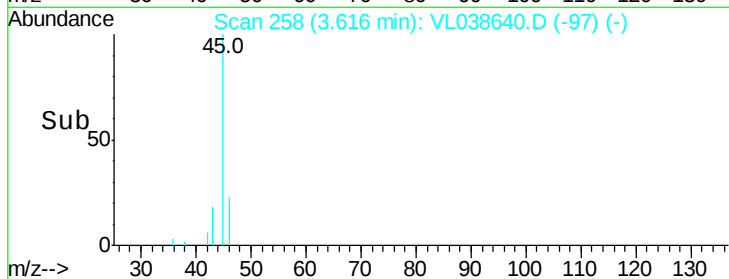
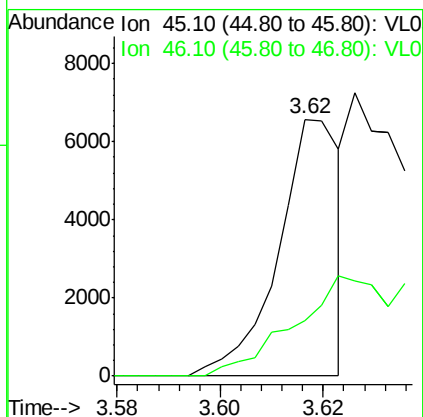
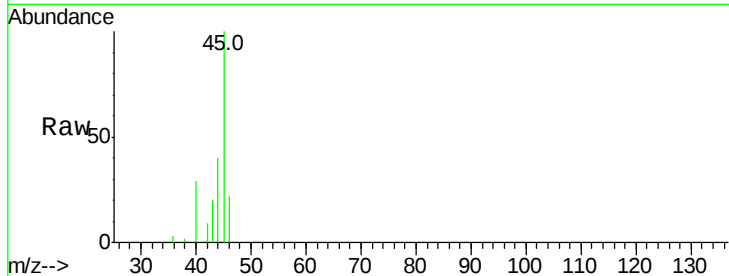
Ion 42.10 (41.80 to 42.80): VL0





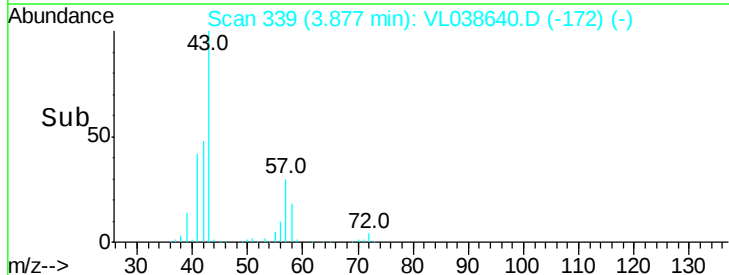
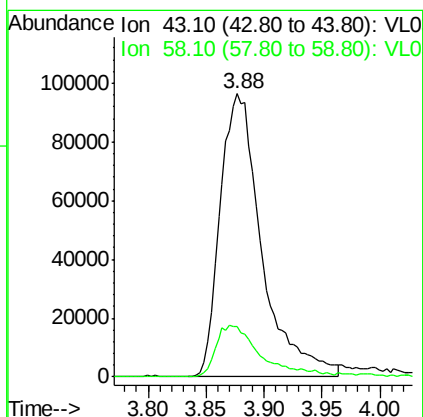
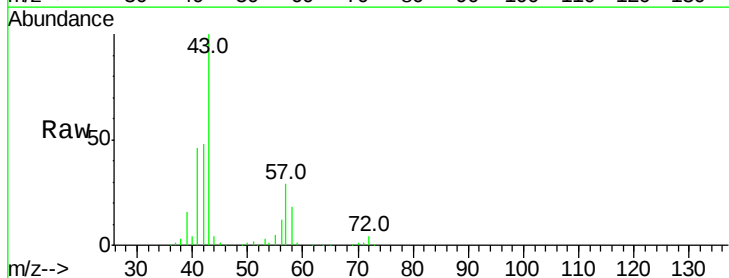
#13
 Ethanol
 Concen: 0.90 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0PA7DL
 Acq: 18 Mar 2022 00:23

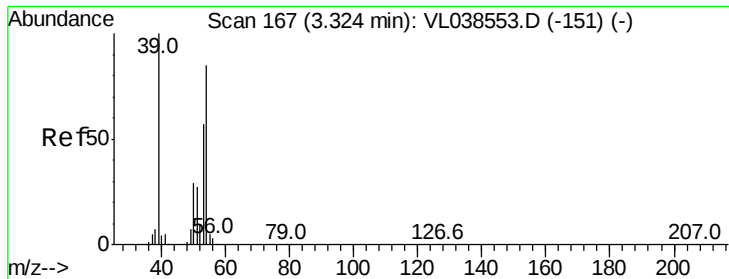
Tgt Ion: 45 Resp: 5466
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.8 67.0#



#15
 Acetone
 Concen: 4.04 ppbv
 RT: 3.88 min Scan# 339
 Delta R.T. 0.04 min
 Lab File: VL038640.D
 Acq: 18 Mar 2022 00:23

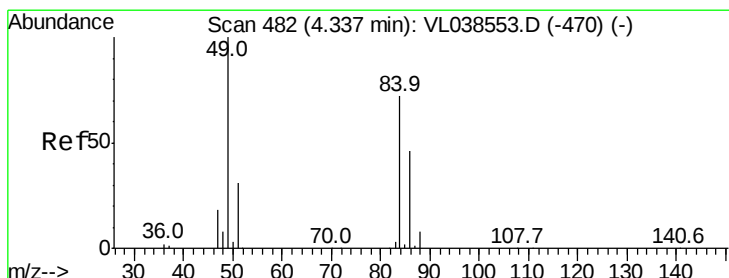
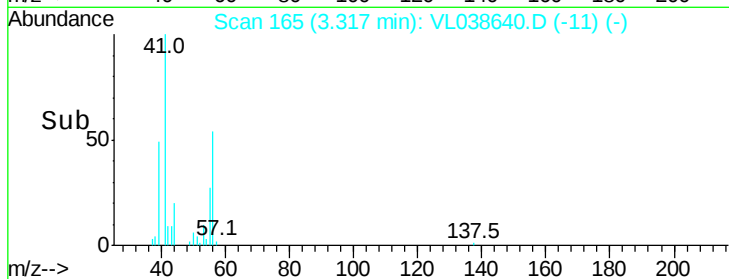
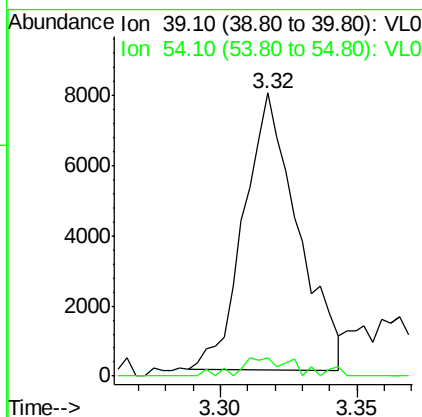
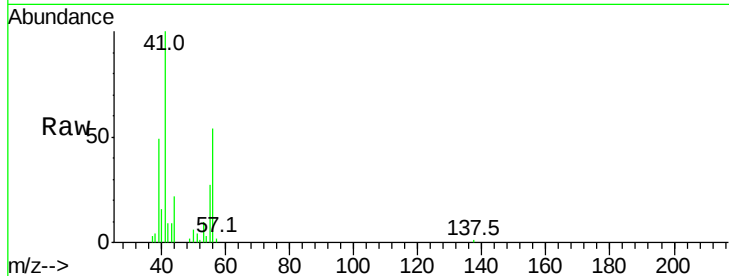
Tgt Ion: 43 Resp: 240901
 Ion Ratio Lower Upper
 43 100
 58 20.6 22.7 34.1#





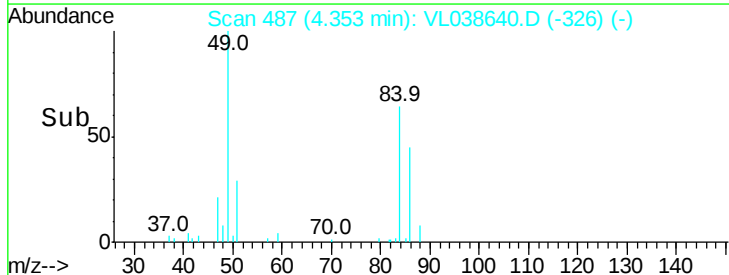
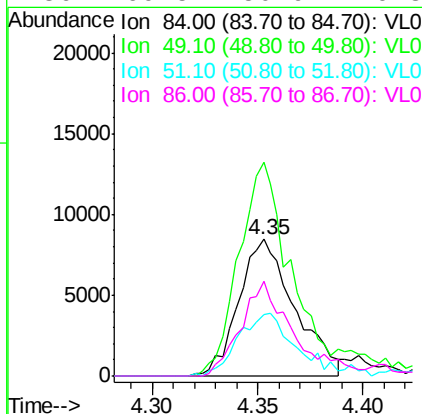
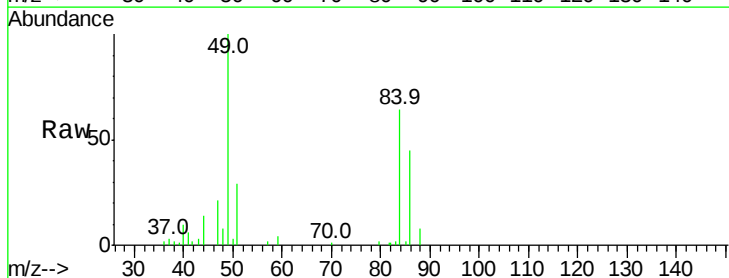
#16
 1,3-Butadiene
 Concen: 0.23 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COPA7DL
 Acq: 18 Mar 2022 00:23

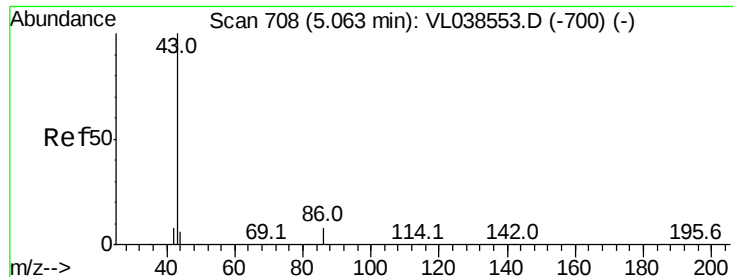
Tgt Ion: 39 Resp: 10865
 Ion Ratio Lower Upper
 39 100
 54 7.1 64.2 96.2#



#20
 Methylene Chloride
 Concen: 0.43 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VL038640.D
 Acq: 18 Mar 2022 00:23

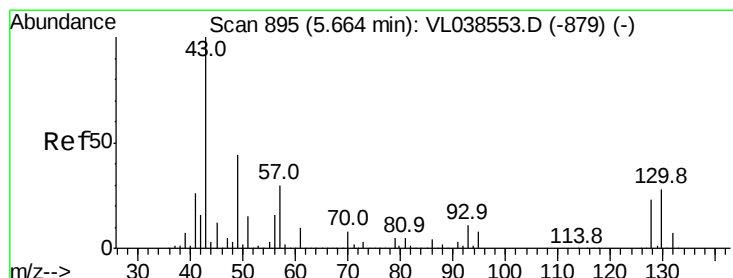
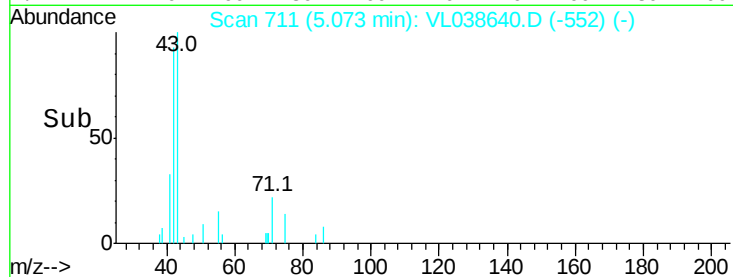
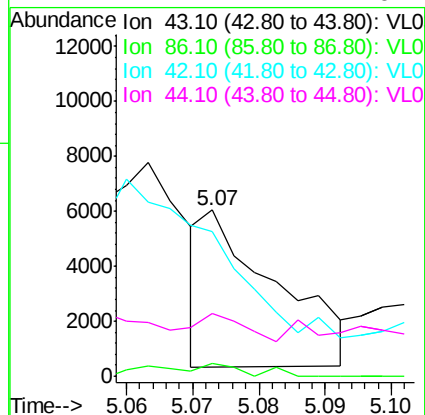
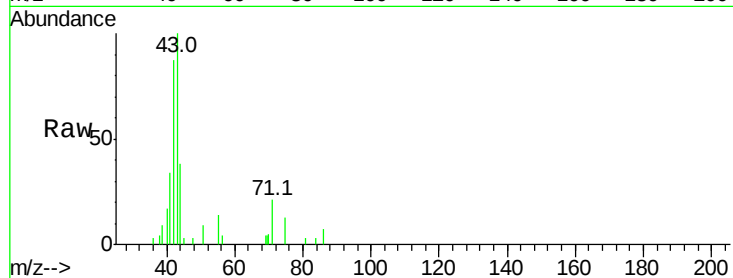
Tgt Ion: 84 Resp: 15568
 Ion Ratio Lower Upper
 84 100
 49 156.1 111.1 166.7
 51 45.4 34.0 51.0
 86 69.5 50.9 76.3





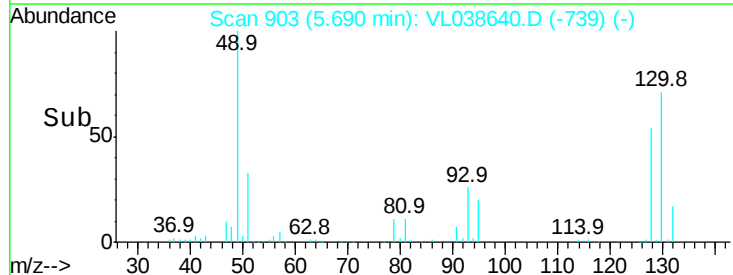
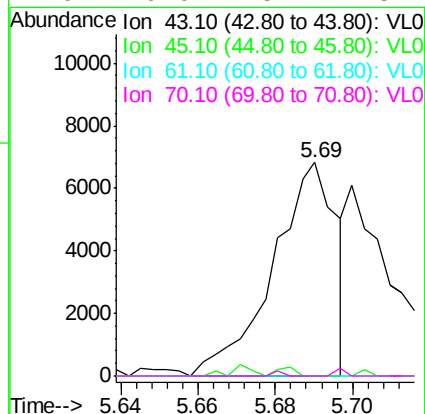
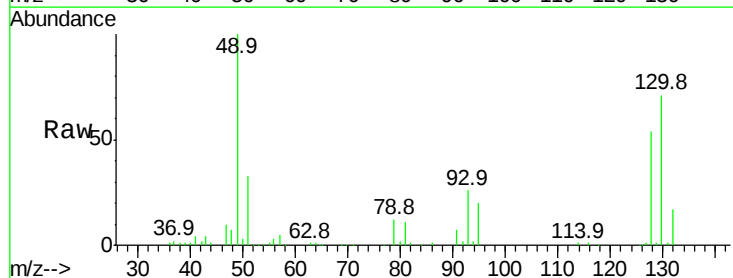
#23
 Vinyl Acetate
 Concen: 0.05 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Mar 2022 00:23

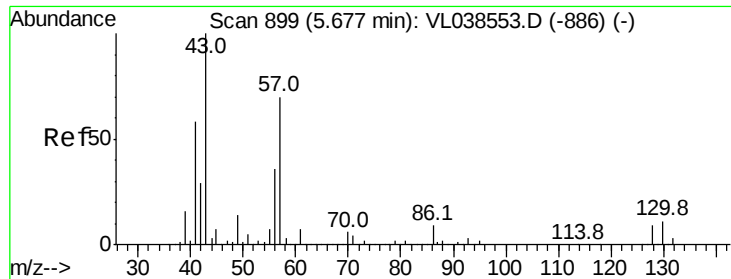
Tgt Ion:	43	Resp:	4403
Ion	Ratio	Lower	Upper
43	100		
86	11.2	5.6	8.4#
42	96.6	7.1	10.7#
44	17.4	4.1	6.1#



#25
 Ethyl Acetate
 Concen: 0.04 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VL038640.D
 Acq: 18 Mar 2022 00:23

Tgt Ion:	43	Resp:	7753
Ion	Ratio	Lower	Upper
43	100		
45	3.0	8.0	12.0#
61	0.0	8.2	12.4#
70	0.0	5.4	8.2#





#26

Hexane

Concen: 0.17 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_1

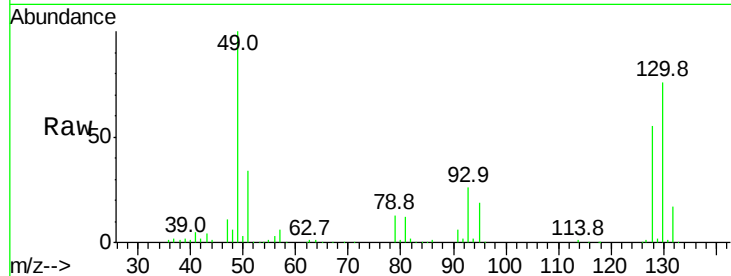
Lab File: ClientSampleId:

Acq: 18 Mar 2022 00:23

Tgt Ion: 57 Resp: 15659

Ion Ratio Lower Upper

57	100		
41	101.5	67.8	101.6
43	95.0	173.6	260.4#
56	62.3	42.2	63.2

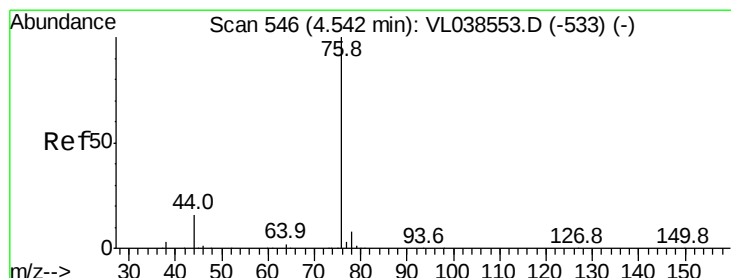
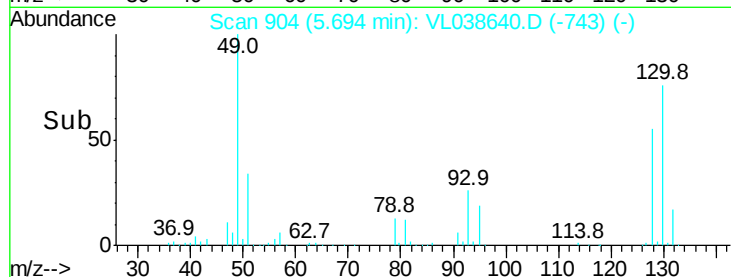
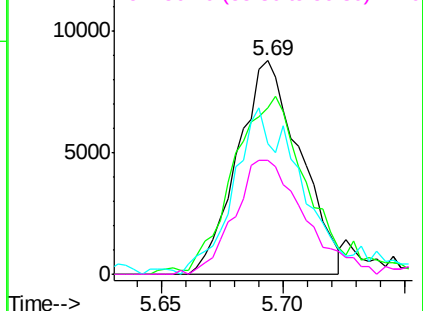


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#27

Carbon Disulfide

Concen: 0.08 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.02 min

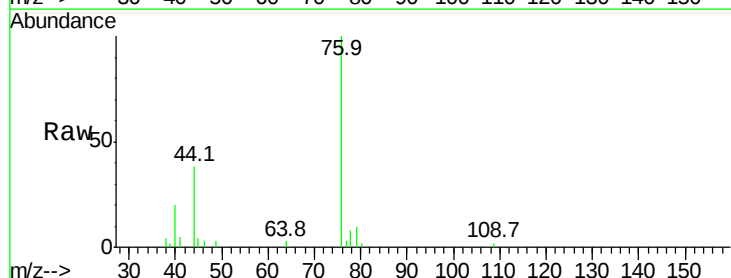
Lab File: VL038640.D

Acq: 18 Mar 2022 00:23

Tgt Ion: 76 Resp: 7518

Ion Ratio Lower Upper

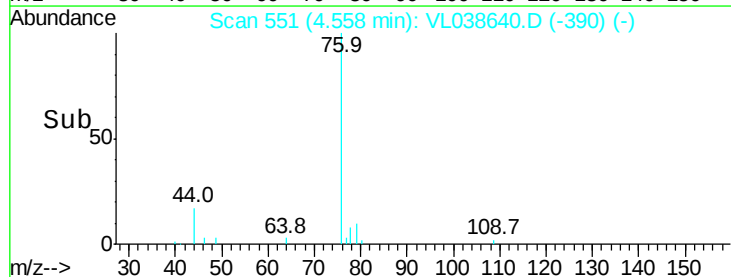
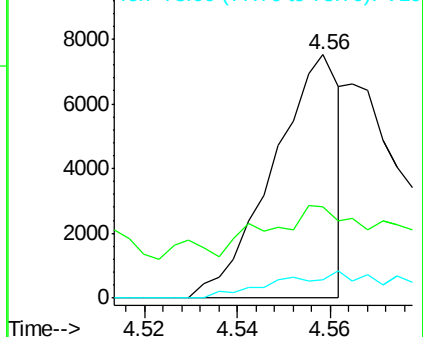
76	100		
44	72.1	12.9	19.3#
78	0.0	7.8	11.6#

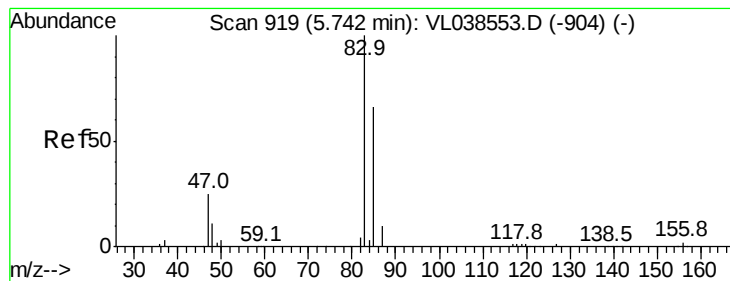


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.04 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

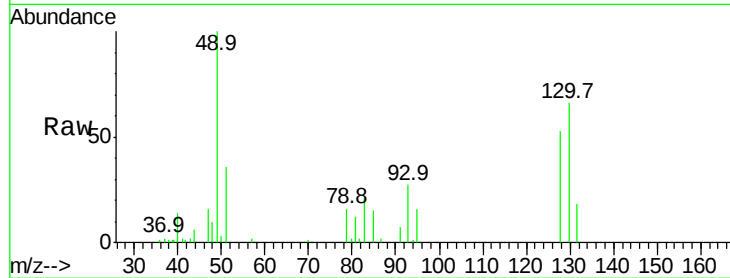
Acq: 18 Mar 2022 00:23

Tgt Ion: 83 Resp: 5183

Ion Ratio Lower Upper

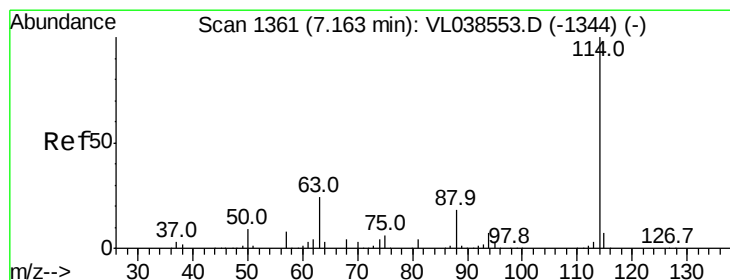
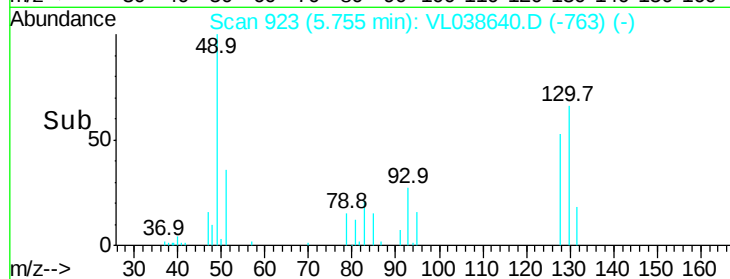
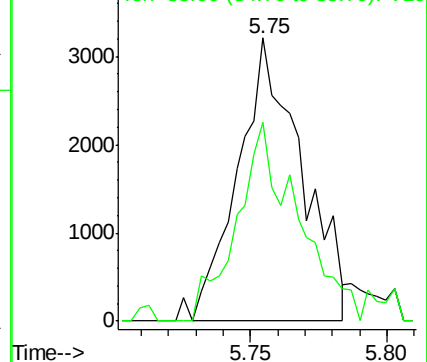
83 100

85 70.1 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VL038640.D

Acq: 18 Mar 2022 00:23

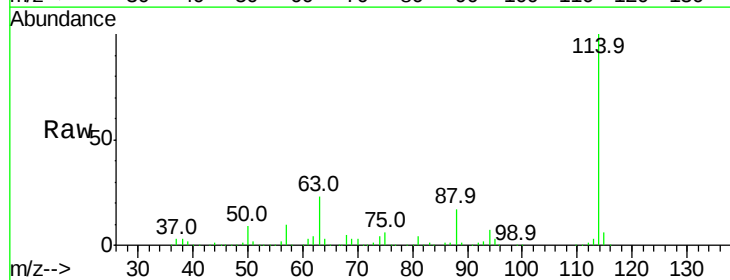
Tgt Ion: 114 Resp: 2153047

Ion Ratio Lower Upper

114 100

63 23.6 19.6 29.4

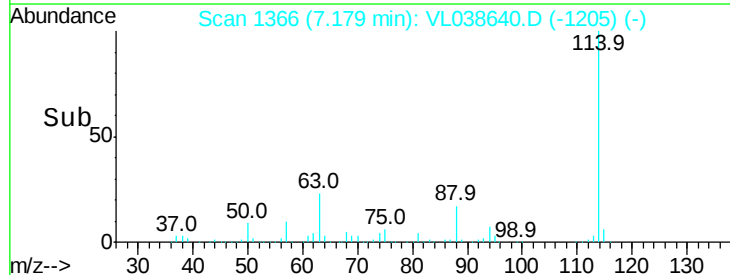
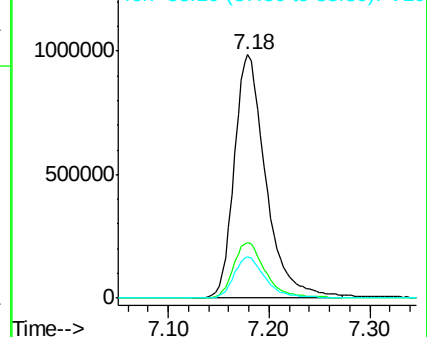
88 17.2 13.9 20.9

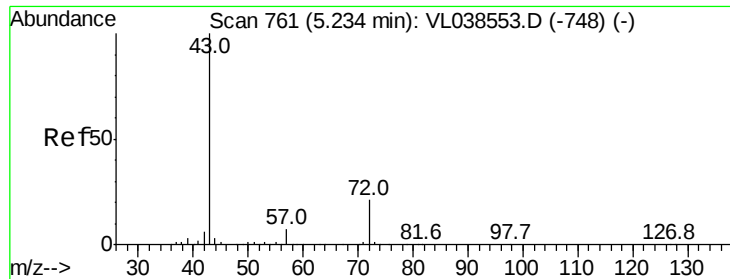


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 1.18 ppbv

RT: 5.27 Instrument: MSVOA_1

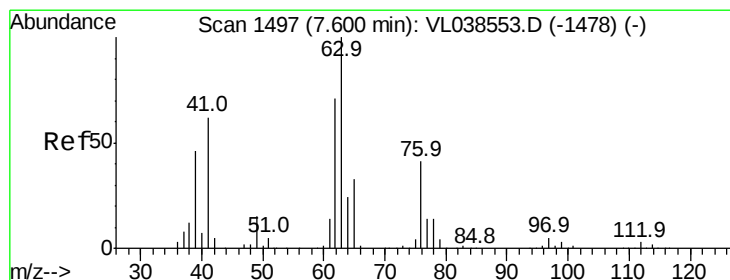
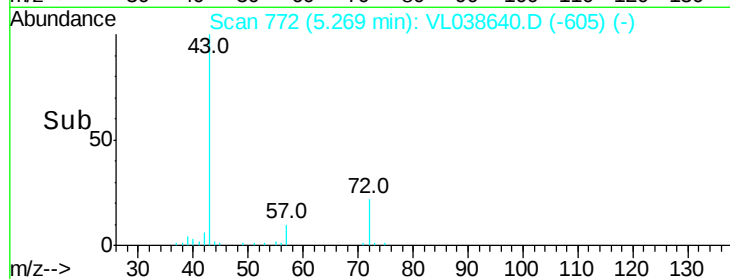
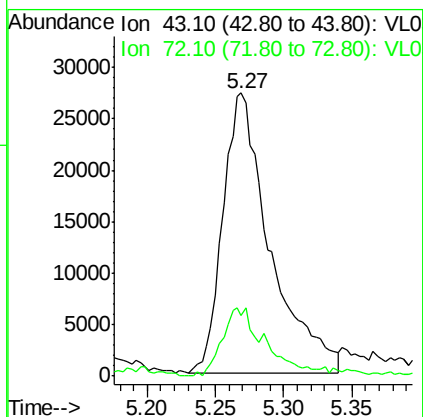
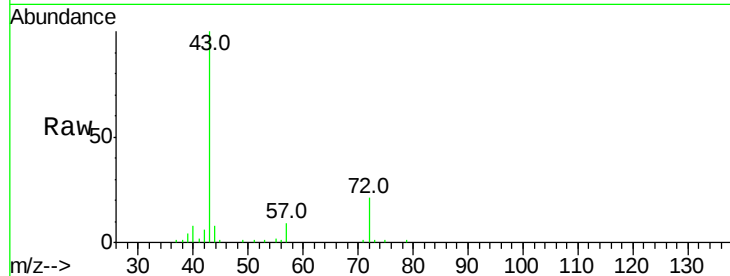
Delta R.T. ClientSampleId:

Lab File: COPA7DL

Acq: 18 Mar 2022 00:23

Tgt Ion: 43 Resp: 65816

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.6



#39

1,2-Dichloropropane

Concen: 6.65 ppbv

RT: 7.18 min Scan# 1366

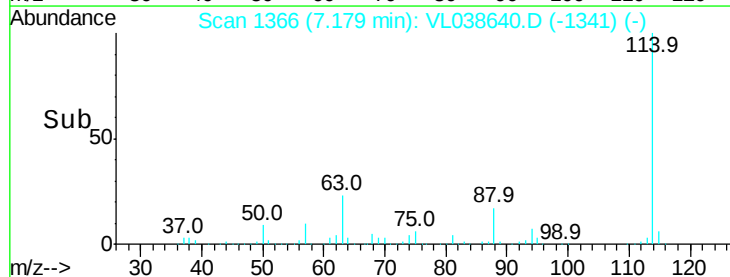
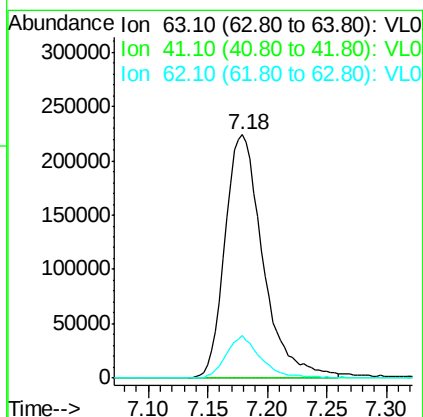
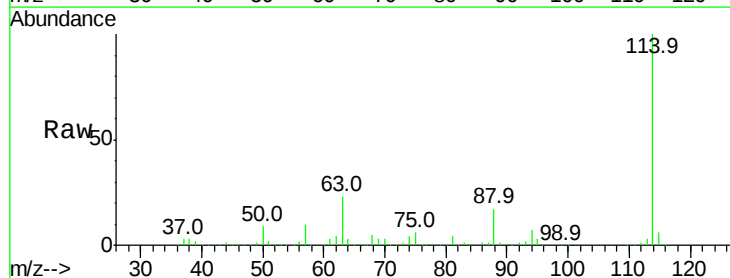
Delta R.T. -0.42 min

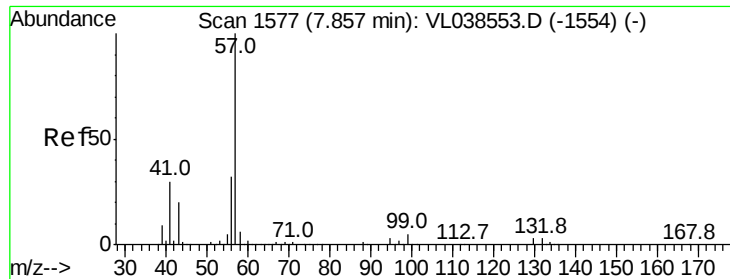
Lab File: VL038640.D

Acq: 18 Mar 2022 00:23

Tgt Ion: 63 Resp: 497104

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	17.6	56.7	85.1#





#44

2,2,4-Trimethylpentane

Concen: 0.05 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Mar 2022 00:23

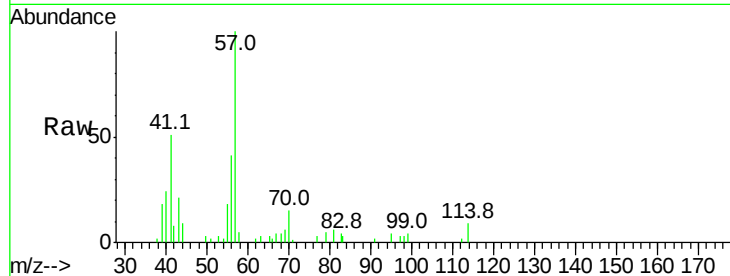
Tgt Ion: 57 Resp: 15224

Ion Ratio Lower Upper

57 100

41 84.8 24.0 36.0#

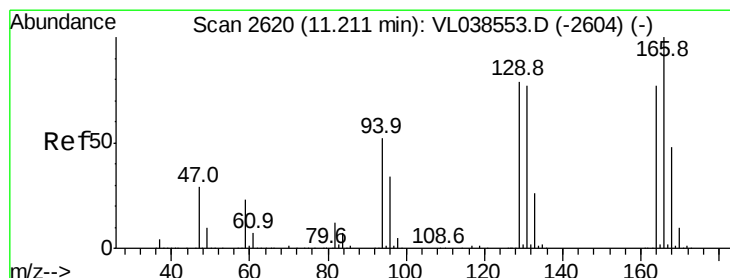
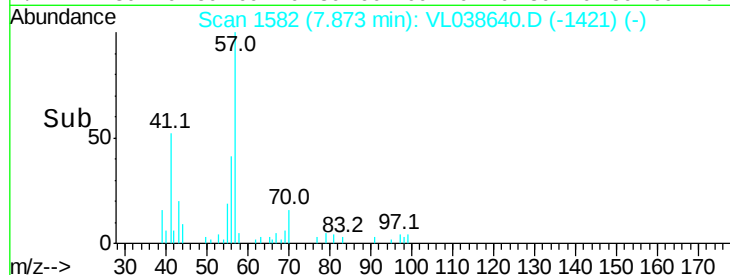
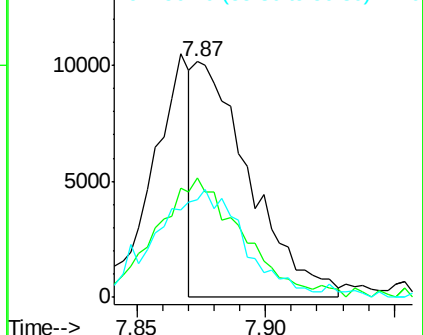
56 76.5 25.6 38.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#52

Tetrachloroethene

Concen: 3.74 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.02 min

Lab File: VL038640.D

Acq: 18 Mar 2022 00:23

Tgt Ion:164 Resp: 266003

Ion Ratio Lower Upper

164 100

166 120.9 103.4 155.2

129 102.0 81.3 121.9

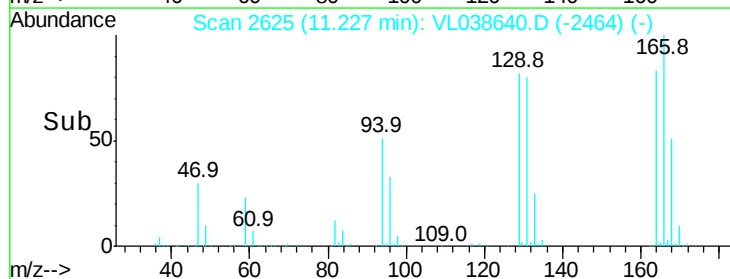
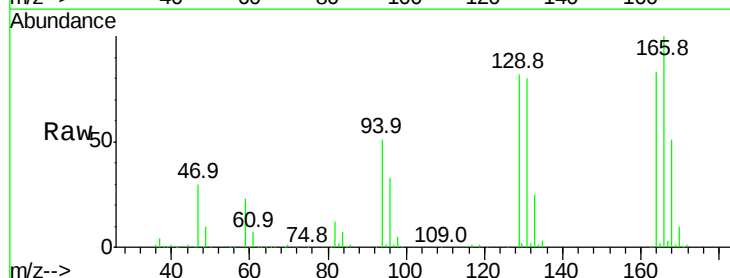
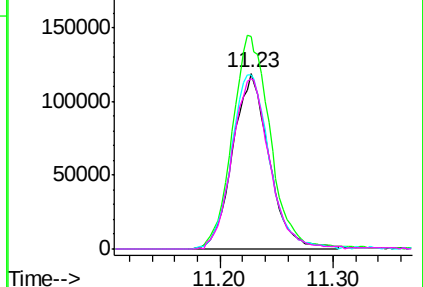
131 96.5 79.8 119.8

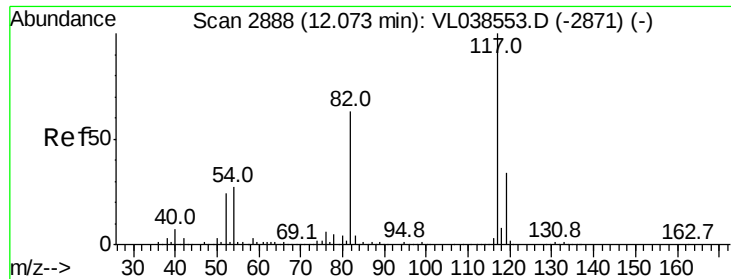
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

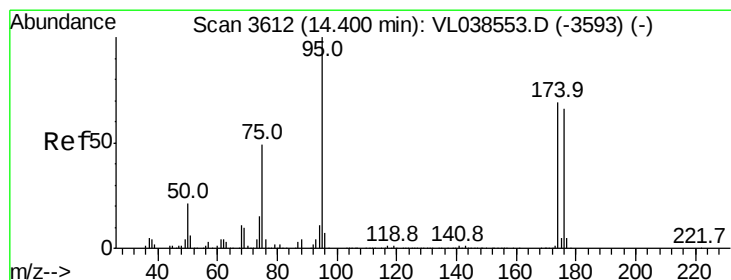
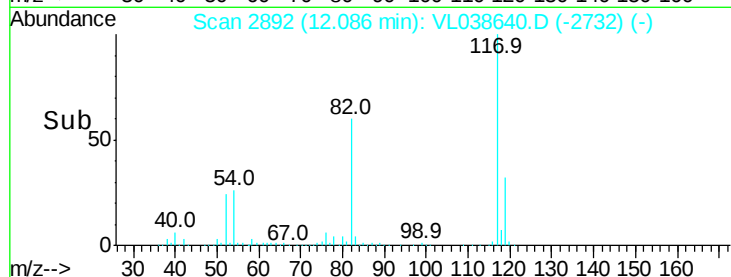
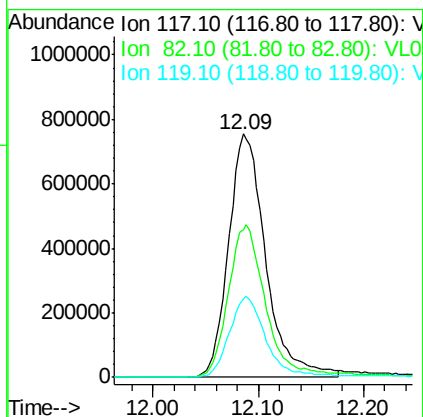
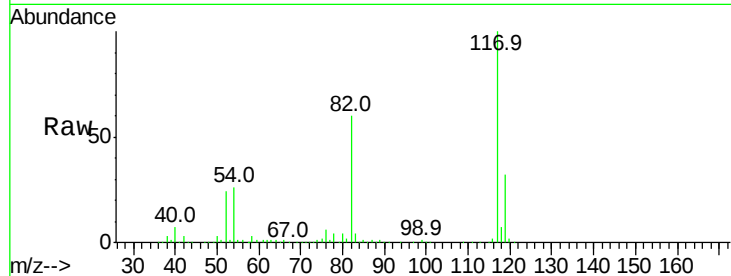
Ion 131.00 (130.70 to 131.70): V





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COPA7DL
Acq: 18 Mar 2022 00:23

Tgt Ion: 117 Resp: 1846270
Ion Ratio Lower Upper
117 100
82 65.5 52.5 78.7
119 33.7 46.4 69.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.27 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.02 min
Lab File: VL038640.D
Acq: 18 Mar 2022 00:23

Tgt Ion: 95 Resp: 1300723
Ion Ratio Lower Upper
95 100
174 72.4 56.2 84.4
175 5.1 4.2 6.2

