

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038632.D
 Acq On : 17 Mar 2022 18:51
 Operator : SY/AP
 Sample : N1965-12DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA9DL

Quant Time: Mar 18 03:35:25 2022
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	827018	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2078520	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1795921	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1256896	9.21	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.10%

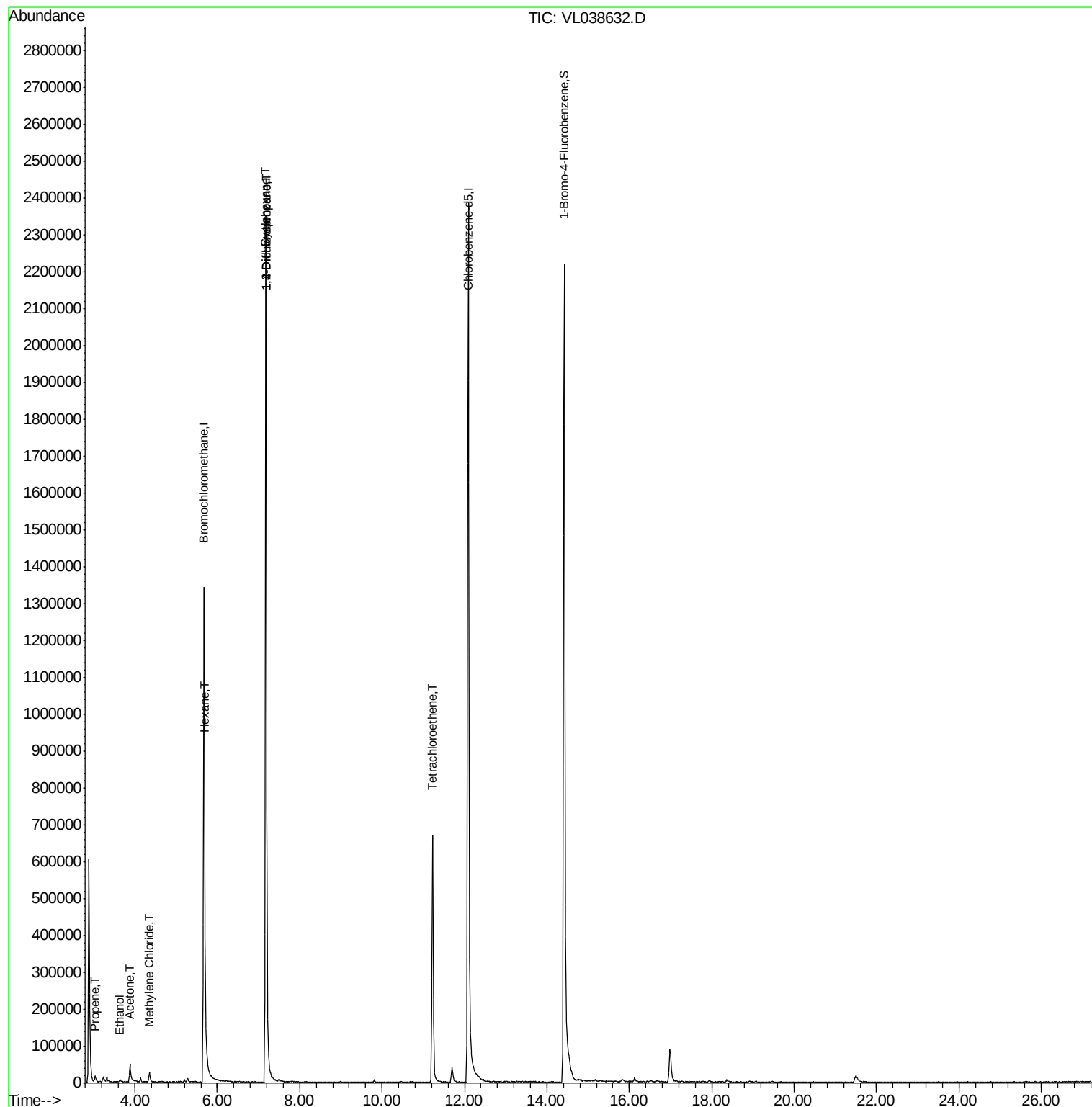
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	6843	0.13	ppbv	85
13) Ethanol	3.63	45	3114	0.53	ppbv #	7
15) Acetone	3.88	43	62182	1.07	ppbv #	87
20) Methylene Chloride	4.35	84	10570	0.30	ppbv	93
26) Hexane	5.70	57	7510	0.08	ppbv #	45
30) Cyclohexane	7.16	84	2724	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	497892	6.90	ppbv #	26
52) Tetrachloroethene	11.22	164	186462	2.71	ppbv	97

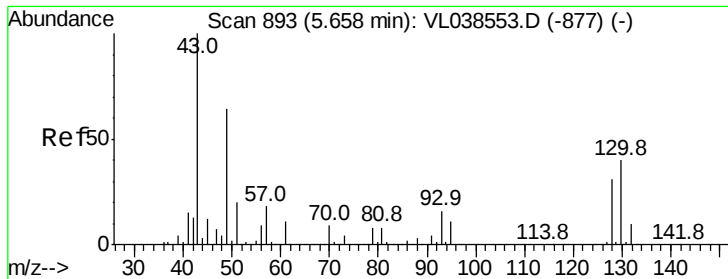
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 18:51

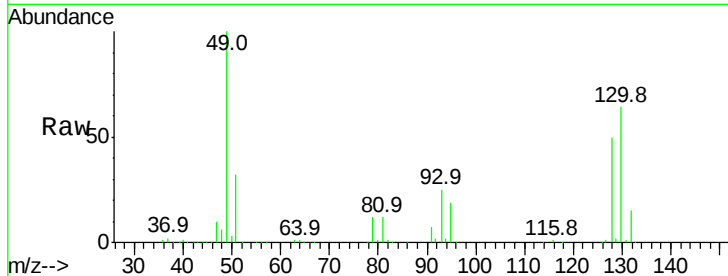
Tgt Ion: 49 Resp: 827018

Ion Ratio Lower Upper

49 100

128 53.2 26.4 79.2

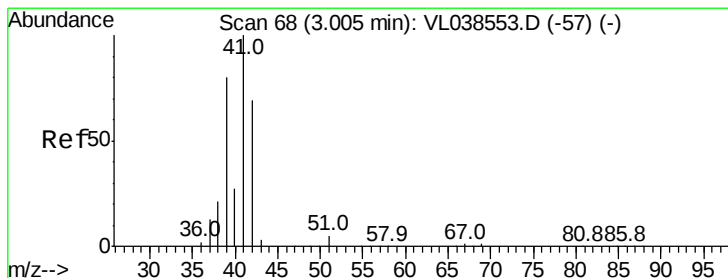
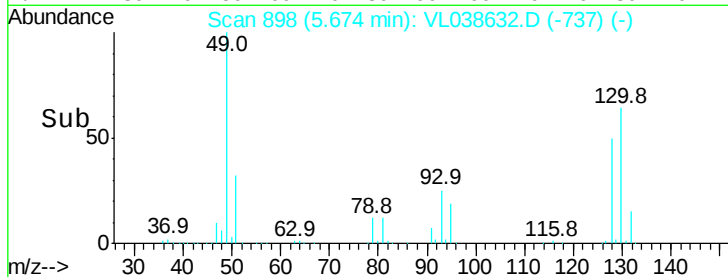
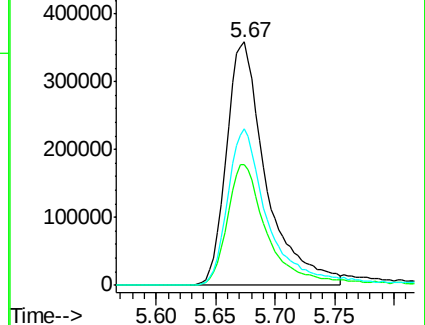
130 68.1 33.0 98.9



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: 0.13 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038632.D

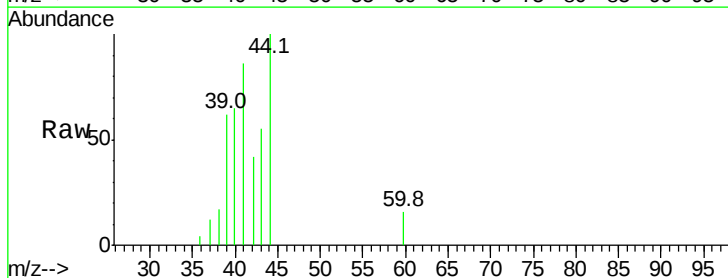
Acq: 17 Mar 2022 18:51

Tgt Ion: 41 Resp: 6843

Ion Ratio Lower Upper

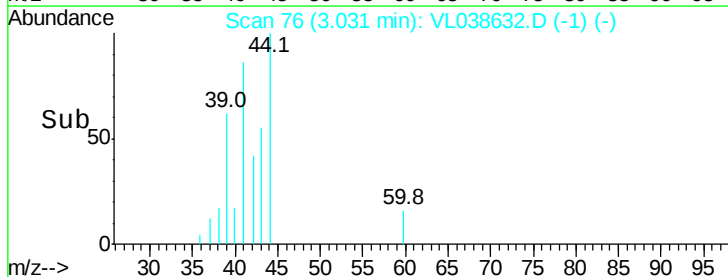
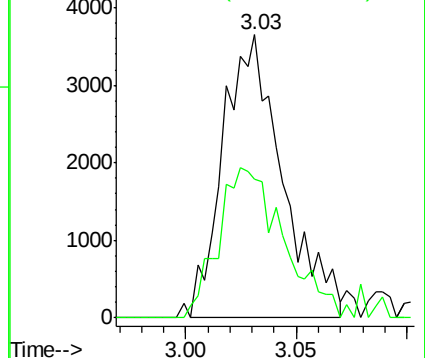
41 100

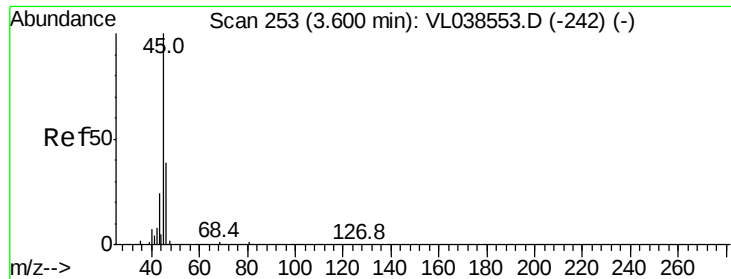
42 57.6 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

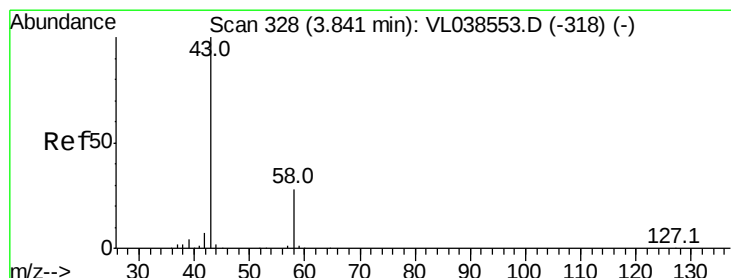
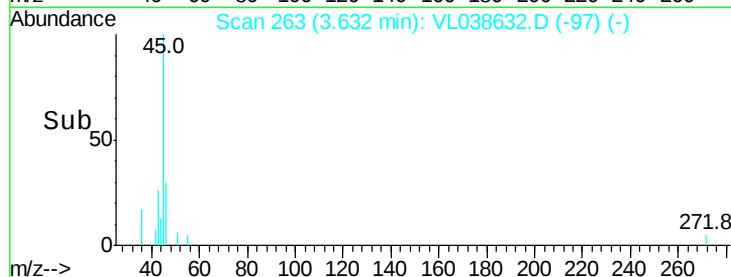
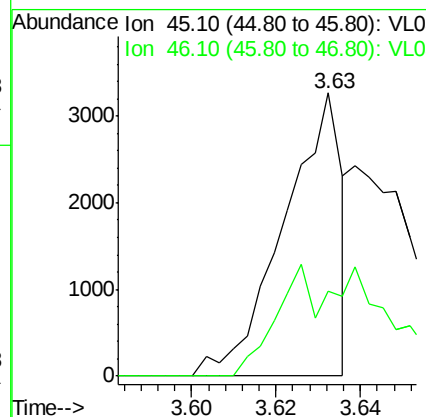
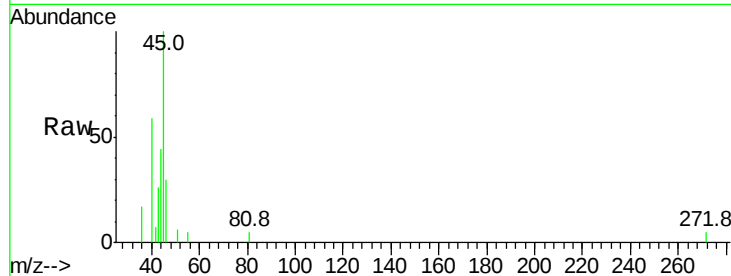
Ion 42.10 (41.80 to 42.80): VL0





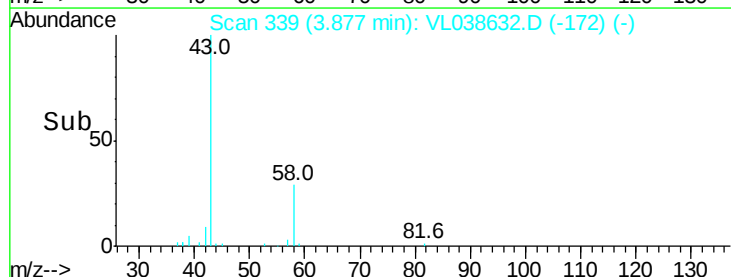
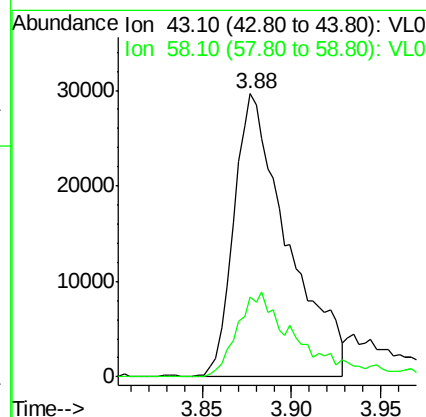
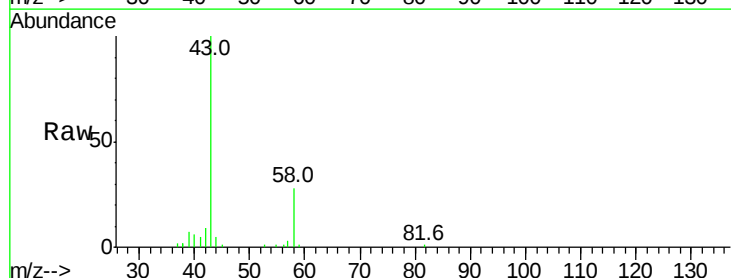
#13
Ethanol
Concen: 0.53 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COPA9DL
Acq: 17 Mar 2022 18:51

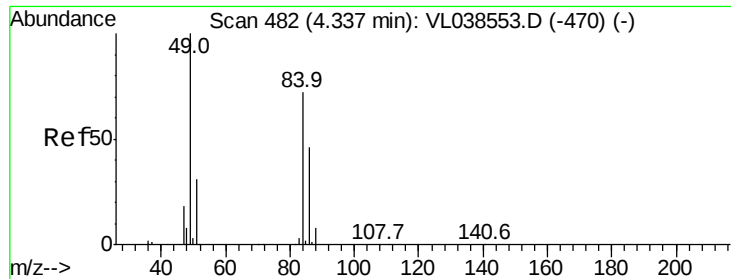
Tgt Ion: 45 Resp: 3114
Ion Ratio Lower Upper
45 100
46 100.8 16.8 67.0#



#15
Acetone
Concen: 1.07 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.04 min
Lab File: VL038632.D
Acq: 17 Mar 2022 18:51

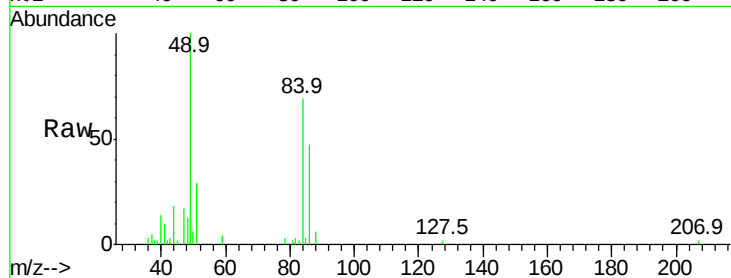
Tgt Ion: 43 Resp: 62182
Ion Ratio Lower Upper
43 100
58 35.0 22.7 34.1#



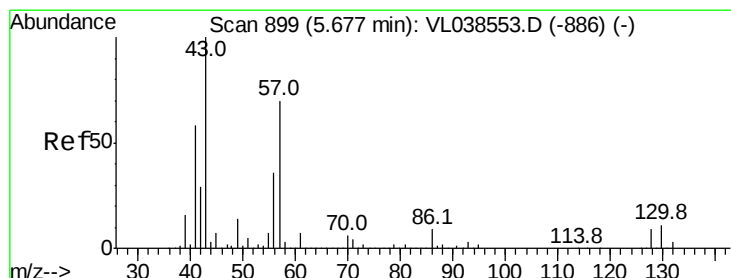
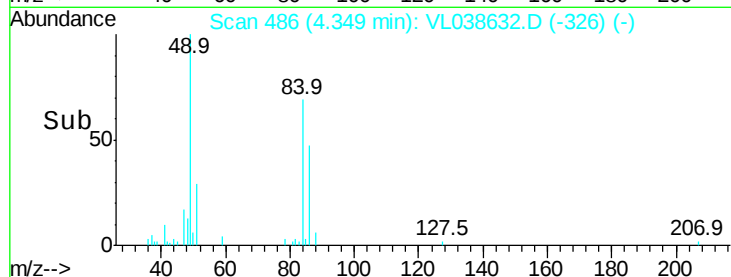
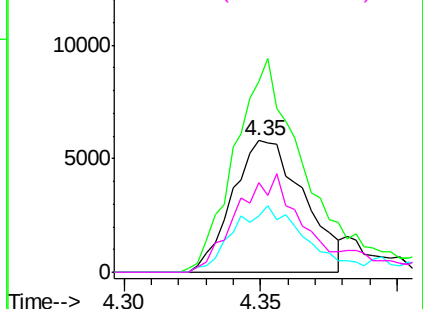


#20
Methylene Chloride
Concen: 0.30 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COPA9DL
Acq: 17 Mar 2022 18:51

Tgt Ion: 84 Resp: 10570
Ion Ratio Lower Upper
84 100
49 151.3 111.1 166.7
51 42.5 34.0 51.0
86 67.8 50.9 76.3

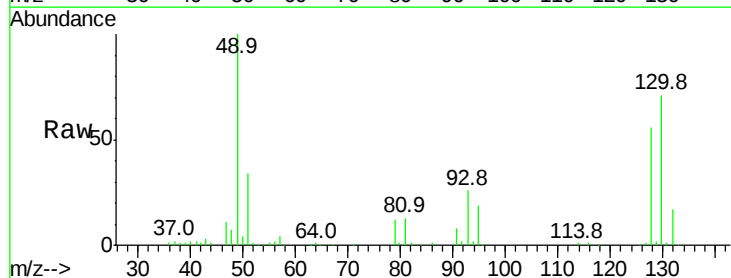


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

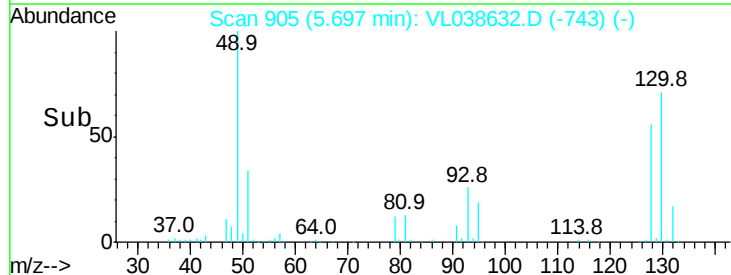
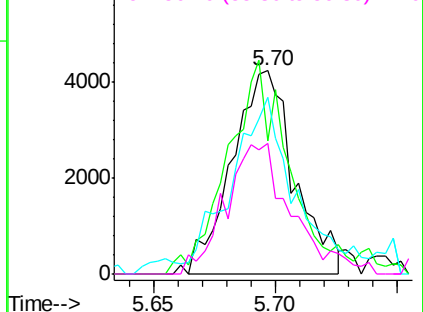


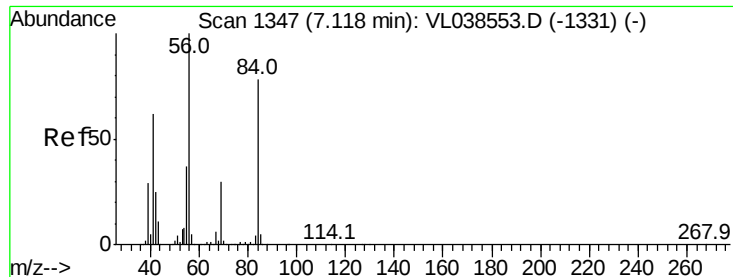
#26
Hexane
Concen: 0.08 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL038632.D
Acq: 17 Mar 2022 18:51

Tgt Ion: 57 Resp: 7510
Ion Ratio Lower Upper
57 100
41 110.2 67.8 101.6#
43 100.1 173.6 260.4#
56 68.0 42.2 63.2#



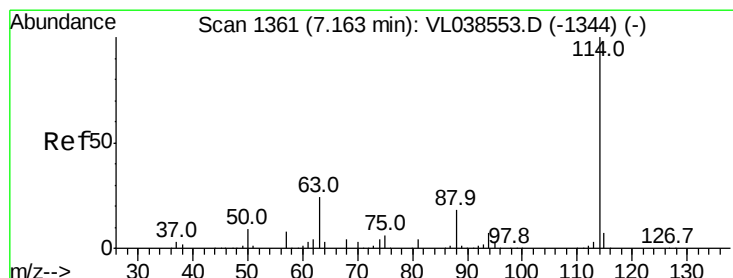
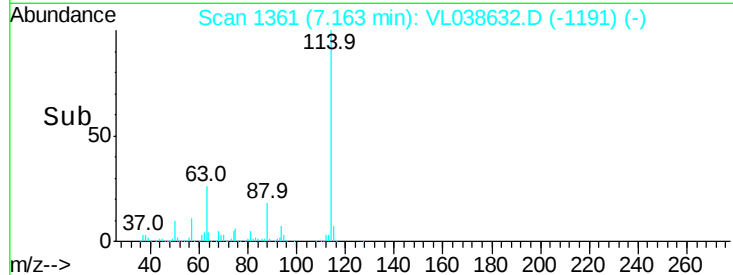
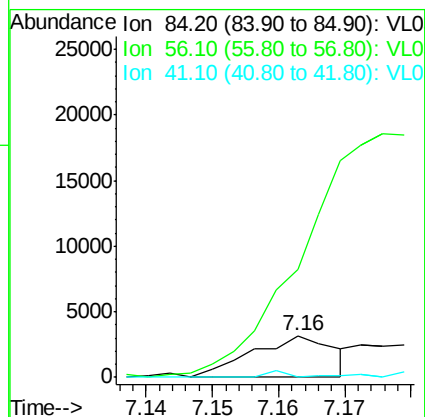
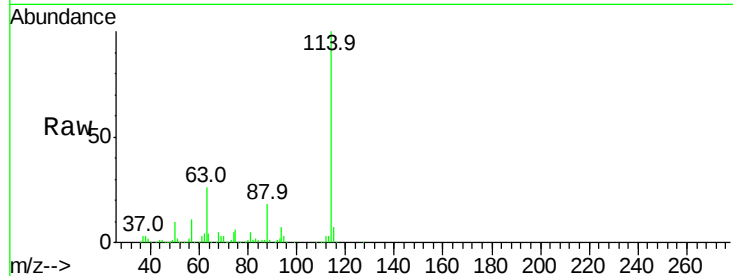
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





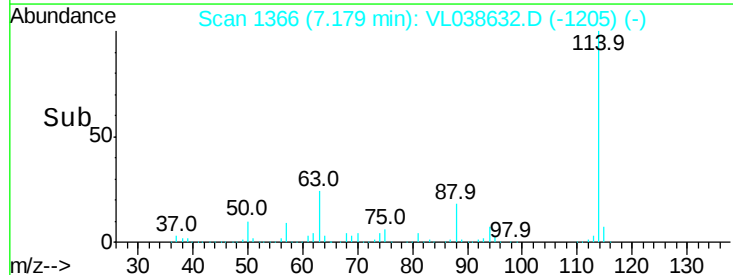
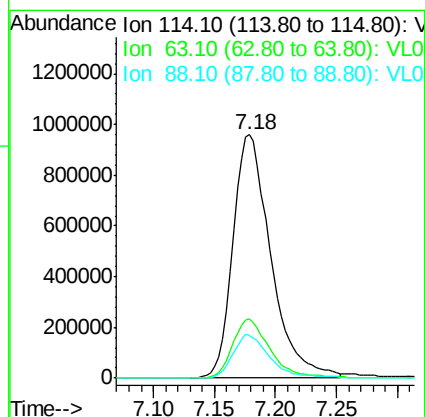
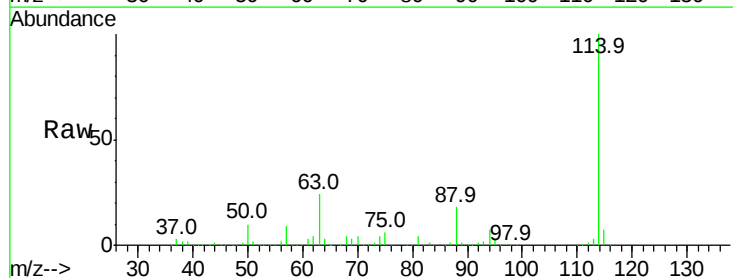
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 18:51

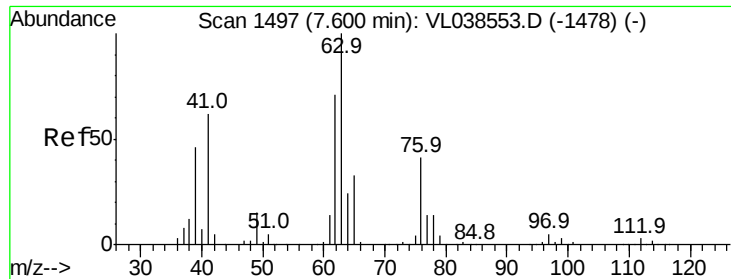
Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.0#
41	11.5	65.5	98.3#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL038632.D
Acq: 17 Mar 2022 18:51

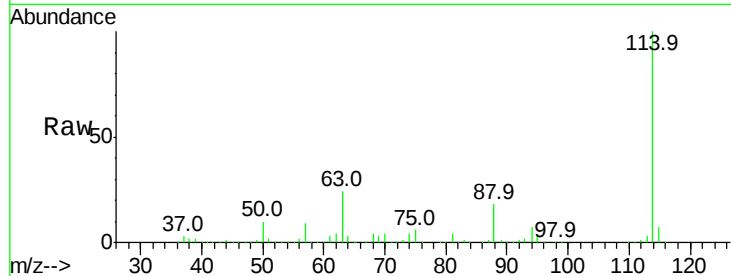
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	17.6	13.9	20.9



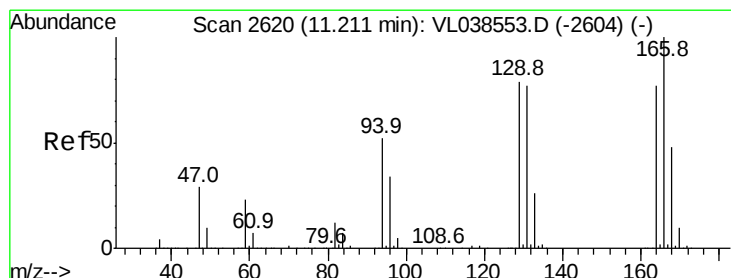
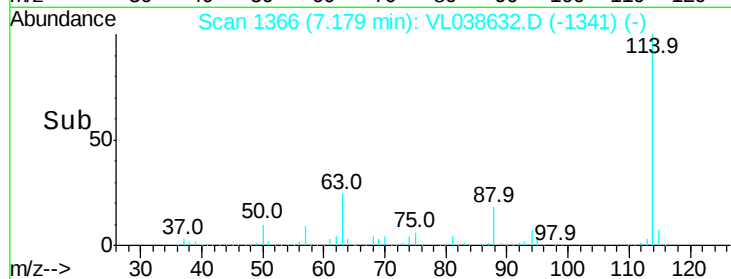
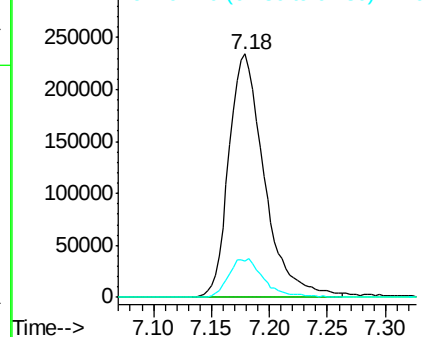


#39
 1,2-Dichloropropane
 Concen: 6.90 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0PA9DL
 Acq: 17 Mar 2022 18:51

Tgt Ion: 63 Resp: 497892
 Ion Ratio Lower Upper
 63 100
 41 0.2 49.8 74.6#
 62 15.0 56.7 85.1#

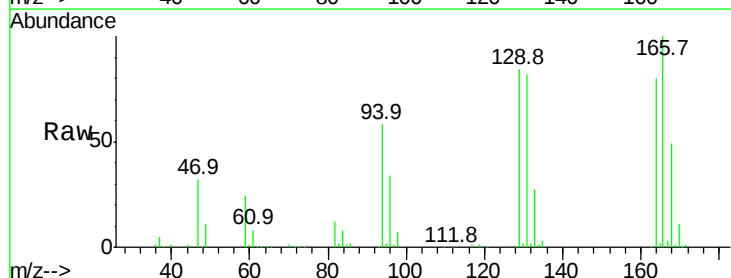


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

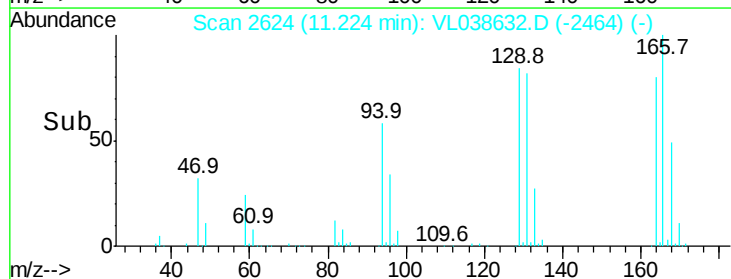
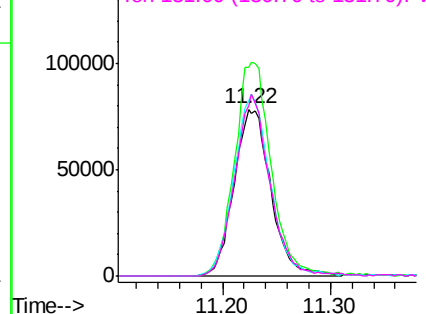


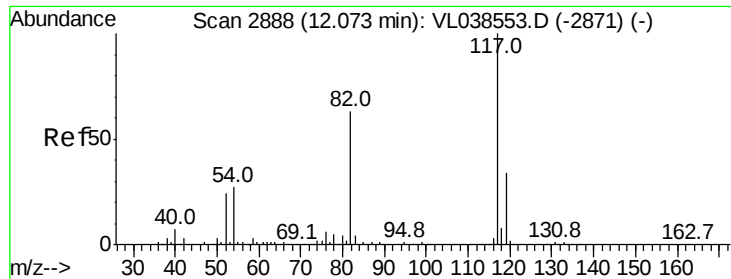
#52
 Tetrachloroethene
 Concen: 2.71 ppbv
 RT: 11.22 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: VL038632.D
 Acq: 17 Mar 2022 18:51

Tgt Ion: 164 Resp: 186462
 Ion Ratio Lower Upper
 164 100
 166 125.4 103.4 155.2
 129 105.4 81.3 121.9
 131 102.2 79.8 119.8



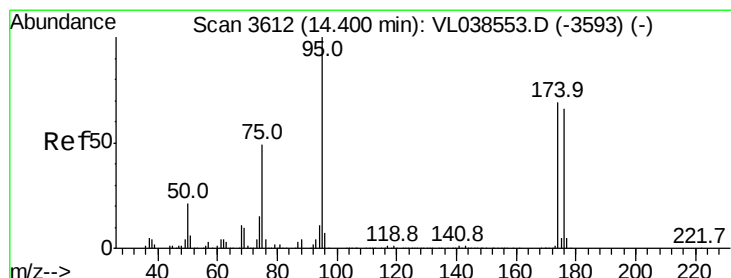
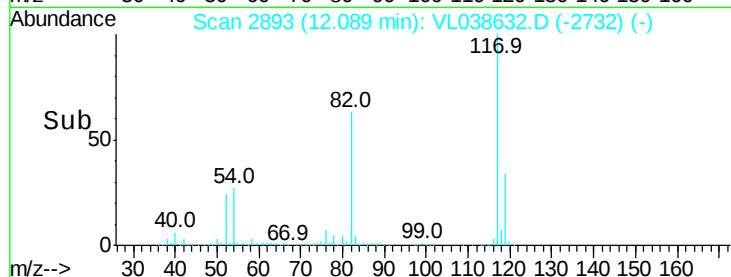
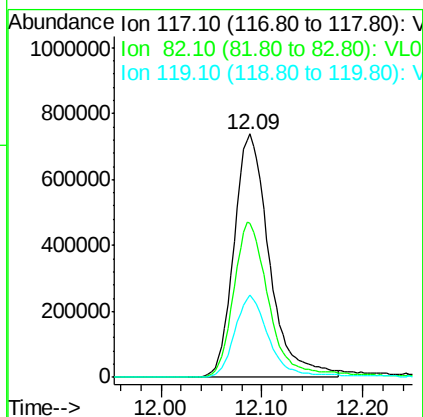
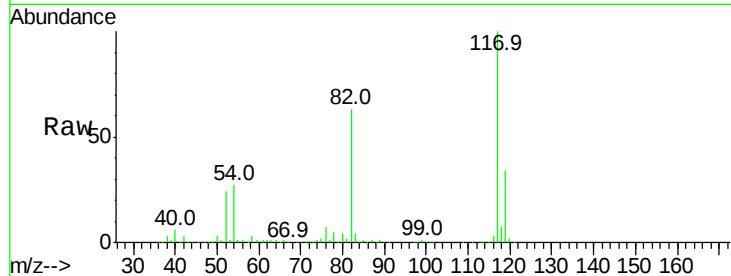
Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COPA9DL
Acq: 17 Mar 2022 18:51

Tgt Ion: 117 Resp: 1795921
Ion Ratio Lower Upper
117 100
82 65.9 52.5 78.7
119 34.2 46.4 69.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.21 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.02 min
Lab File: VL038632.D
Acq: 17 Mar 2022 18:51

Tgt Ion: 95 Resp: 1256896
Ion Ratio Lower Upper
95 100
174 72.5 56.2 84.4
175 5.2 4.2 6.2

