

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\
 Data File : VL039516.D
 Acq On : 20 Jul 2022 18:41
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 21 06:06:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.69	49	919655	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	2571423	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	2263669	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1636385	9.74	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

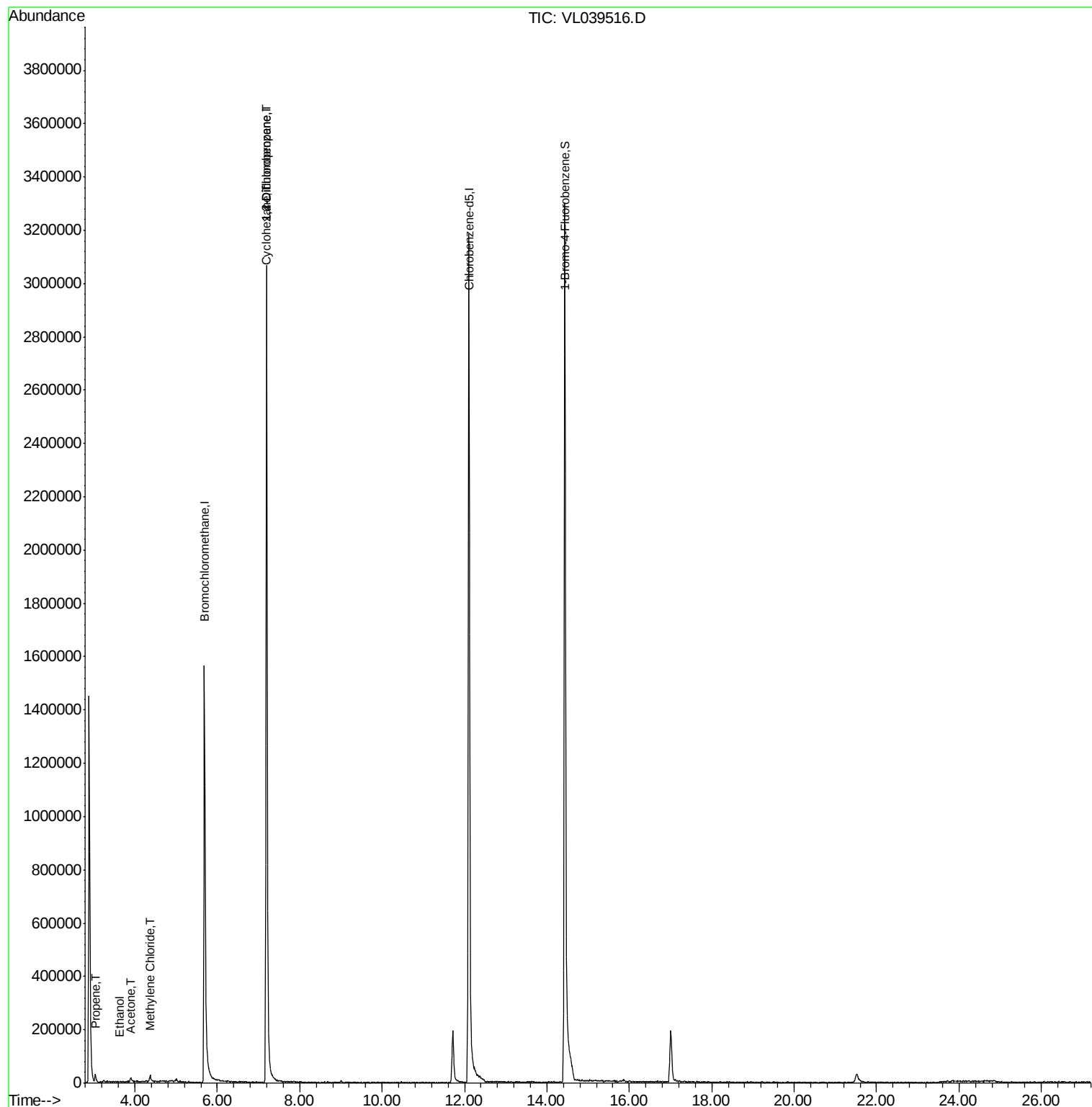
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	6104	0.116	ppbv #	15
13) Ethanol	3.62	45	176	0.058	ppbv #	23
15) Acetone	3.89	43	7709	0.071	ppbv #	1
20) Methylene Chloride	4.37	84	8950	0.206	ppbv	86
30) Cyclohexane	7.18	84	4194	0.051	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	634768	8.538	ppbv #	26

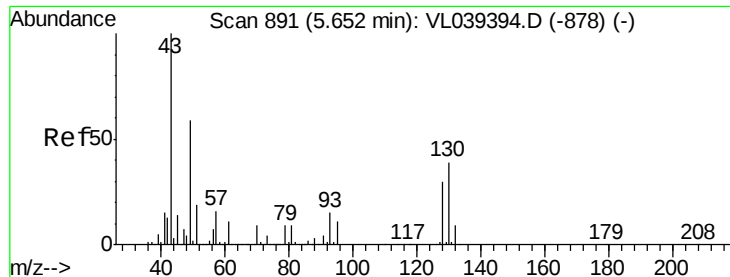
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 18:41

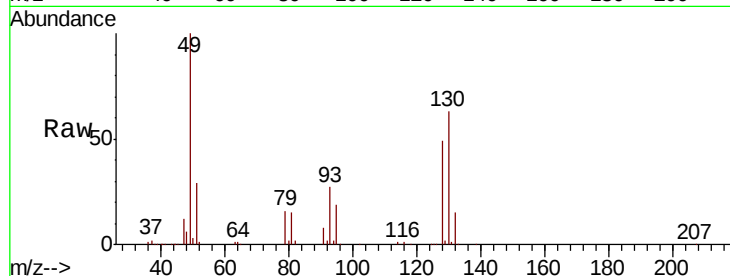
Tot Ion: 49 Resp: 919655

Ion Ratio Lower Upper

49 100

128 54.7 26.7 80.0

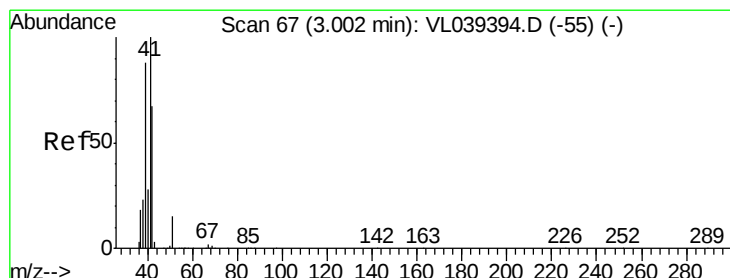
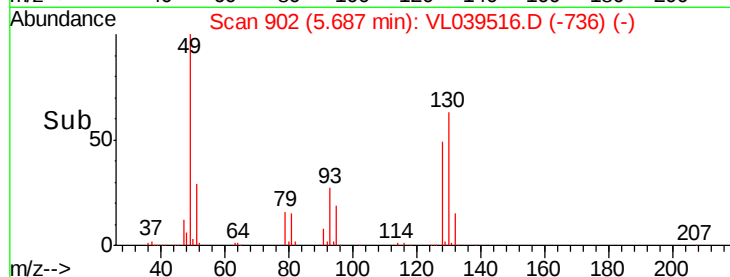
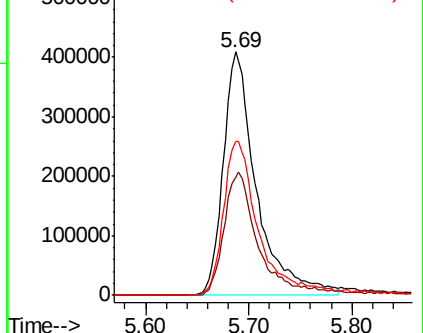
130 69.9 34.3 102.8



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: 0.116 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL039516.D

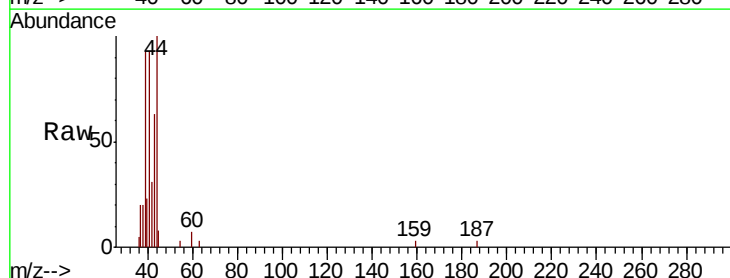
Acq: 20 Jul 2022 18:41

Tgt Ion: 41 Resp: 6104

Ion Ratio Lower Upper

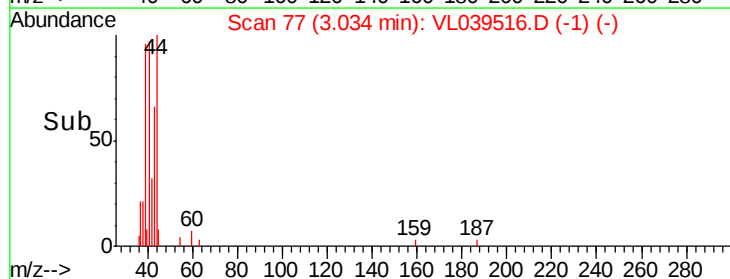
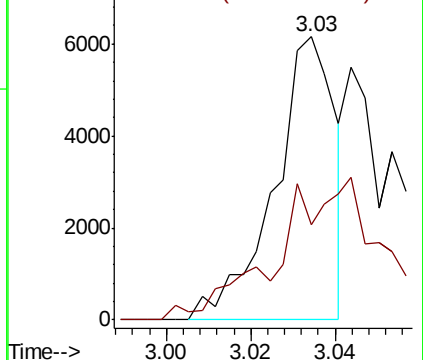
41 100

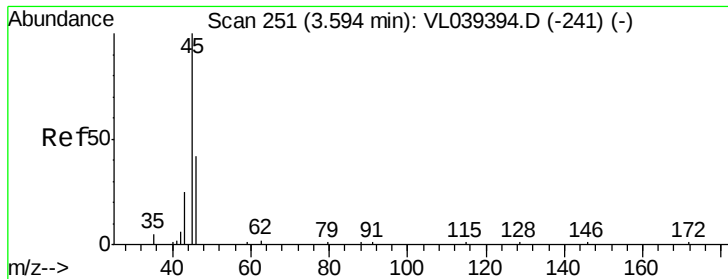
42 0.0 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

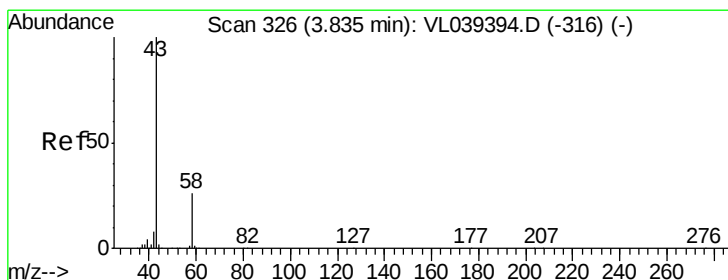
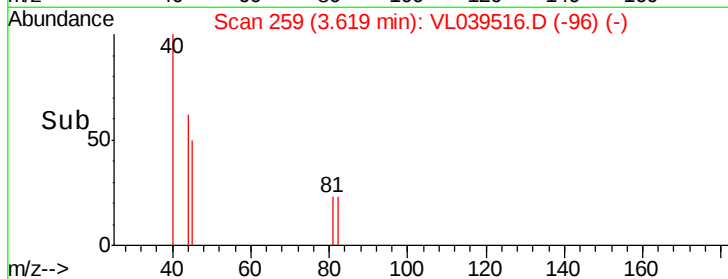
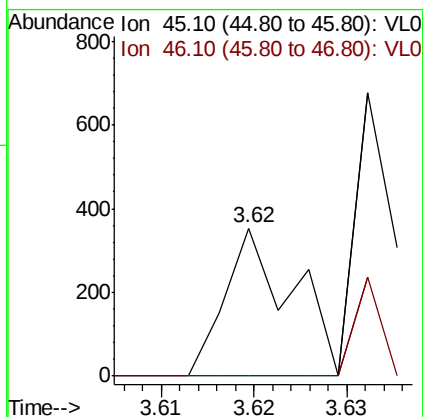
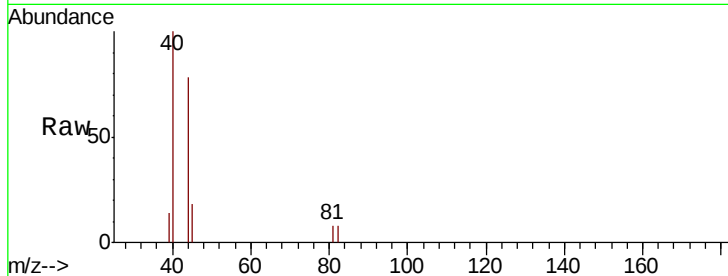
Ion 42.10 (41.80 to 42.80): VL0





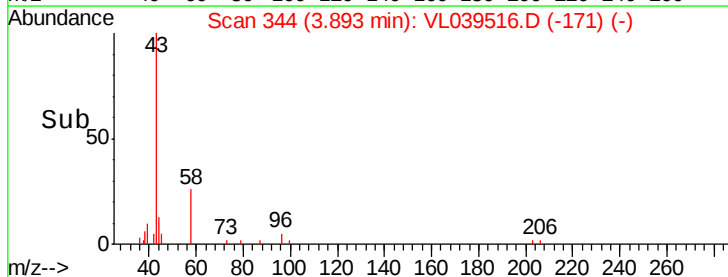
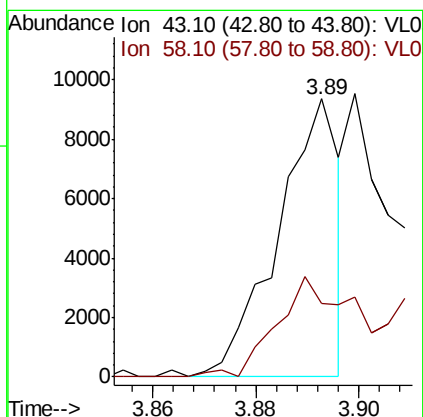
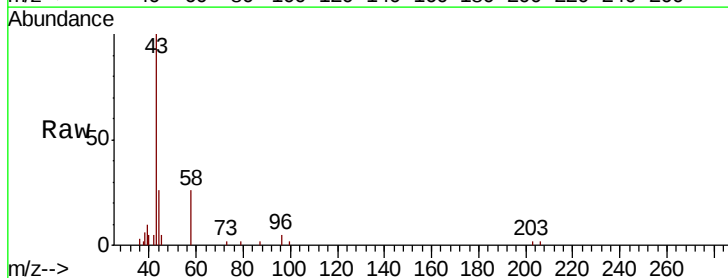
#13
 Ethanol
 Concen: 0.058 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VIBLK
 Acq: 20 Jul 2022 18:41

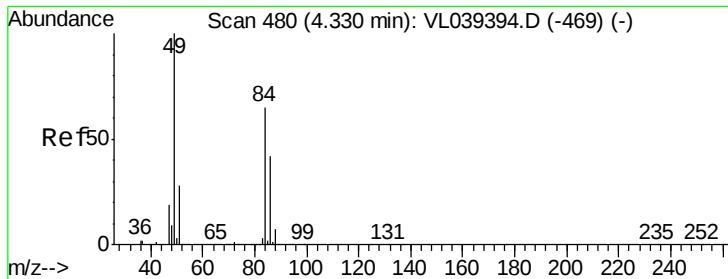
Tot Ion: 45 Resp: 176
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#



#15
 Acetone
 Concen: 0.071 ppbv
 RT: 3.89 min Scan# 344
 Delta R.T. 0.06 min
 Lab File: VL039516.D
 Acq: 20 Jul 2022 18:41

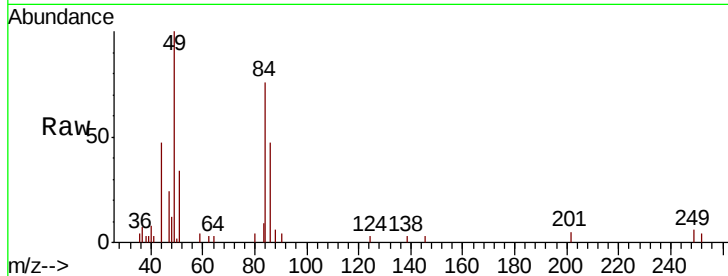
Tgt Ion: 43 Resp: 7709
 Ion Ratio Lower Upper
 43 100
 58 108.3 21.0 31.6#



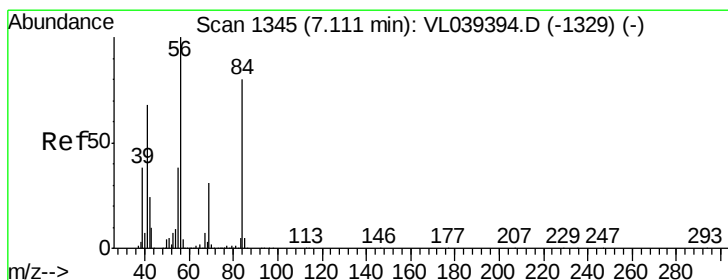
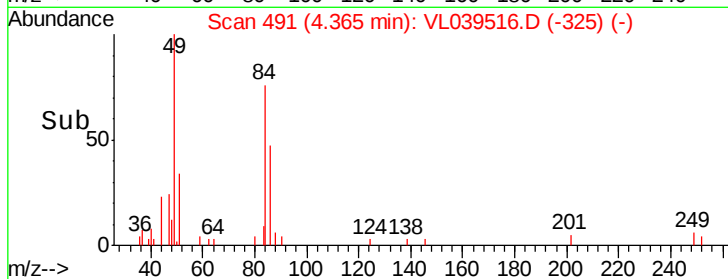
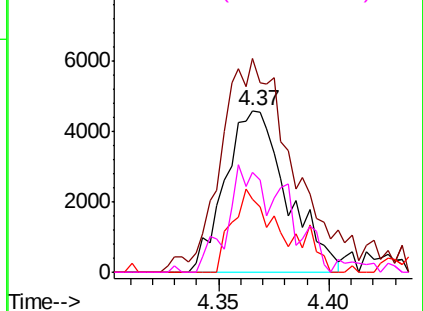


#20
Methvlene Chloride
Concen: 0.206 ppbv
RT: 4.37
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Jul 2022 18:41

Tot Ion:	84	Resp:	8950
Ion	Ratio	Lower	Upper
84	100		
49	125.9	123.1	184.7
51	45.3	34.4	51.6
86	61.6	51.1	76.7

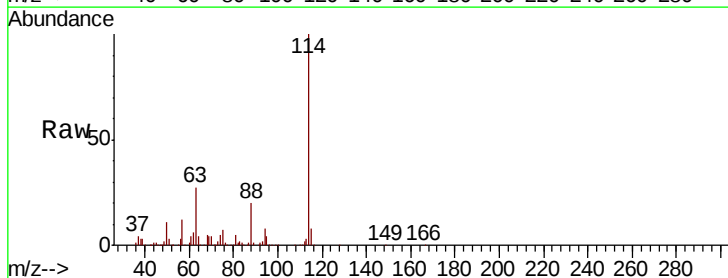


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

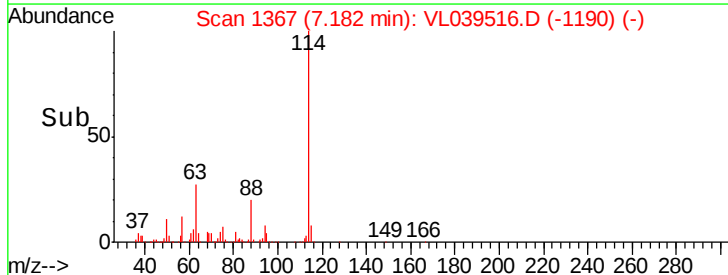
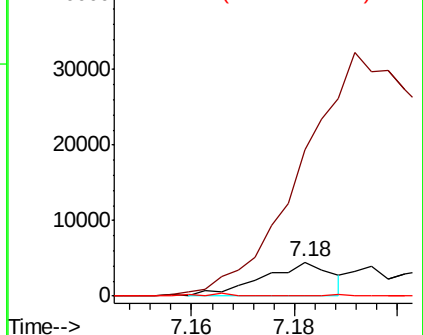


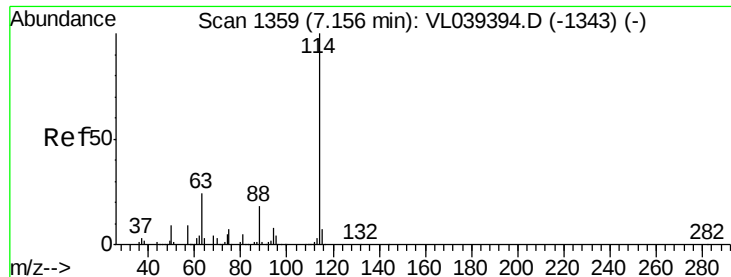
#30
Cyclohexane
Concen: 0.051 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.07 min
Lab File: VL039516.D
Acq: 20 Jul 2022 18:41

Tgt Ion:	84	Resp:	4194
Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	6.6	67.7	101.5#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

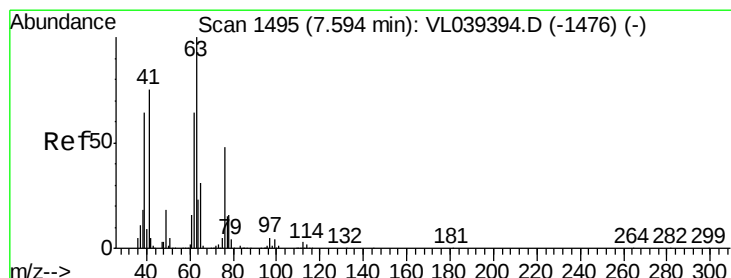
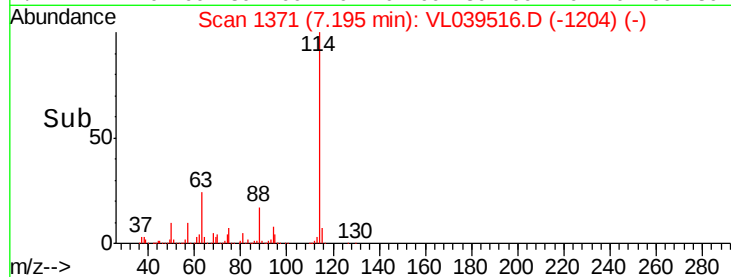
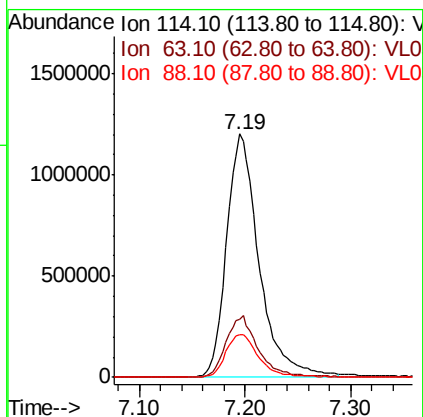
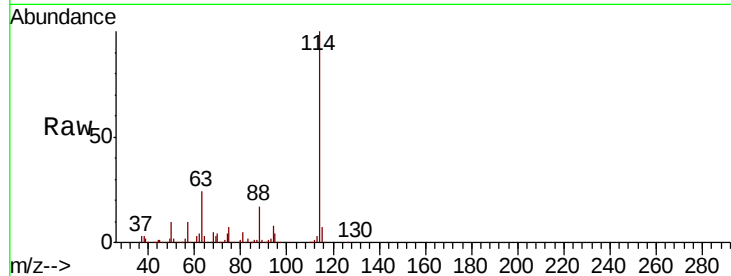




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 18:41

Tot Ion:114 Resp: 2571423

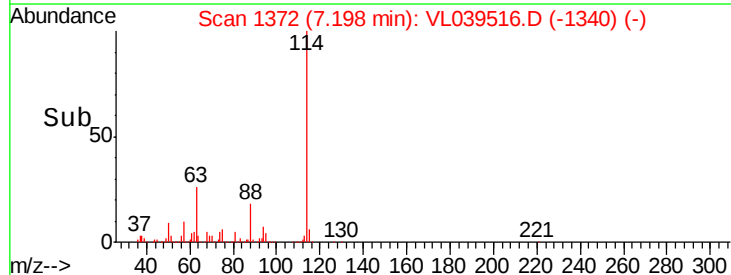
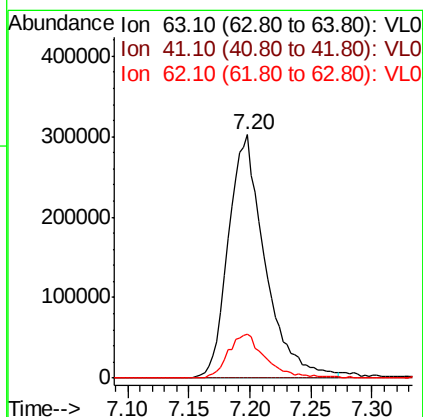
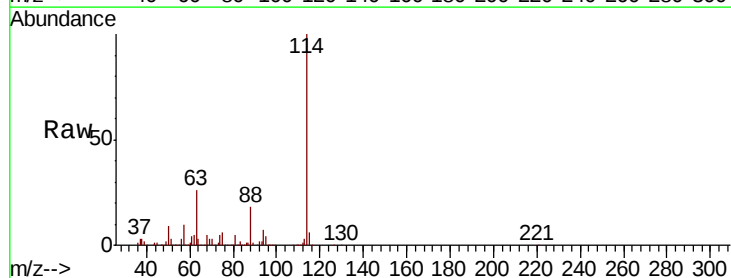
Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.2	30.4
88	18.2	14.5	21.7

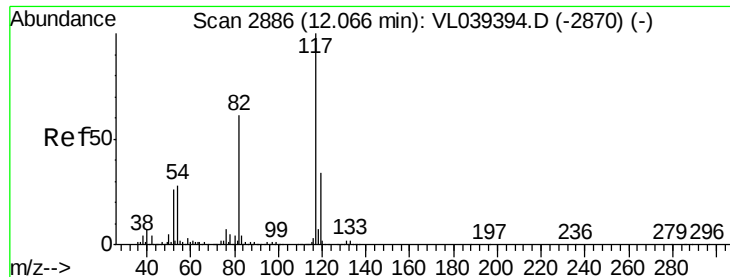


#39
 1,2-Dichloropropane
 Concen: 8.538 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.40 min
 Lab File: VL039516.D
 Acq: 20 Jul 2022 18:41

Tgt Ion: 63 Resp: 634768

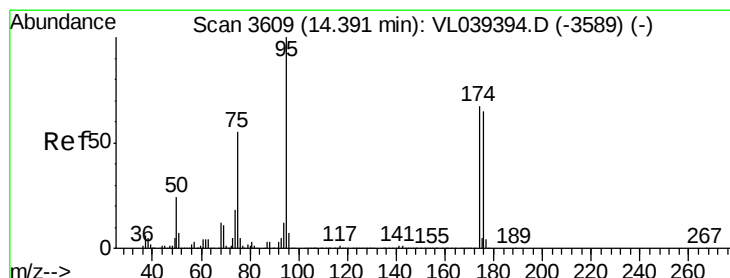
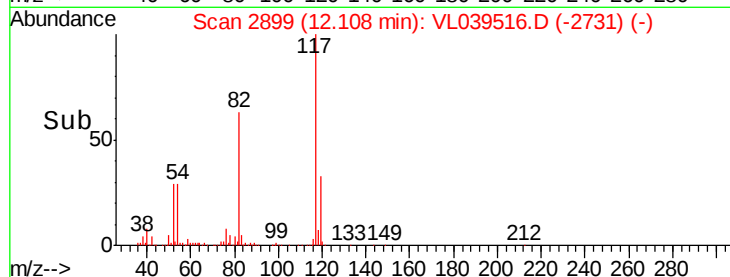
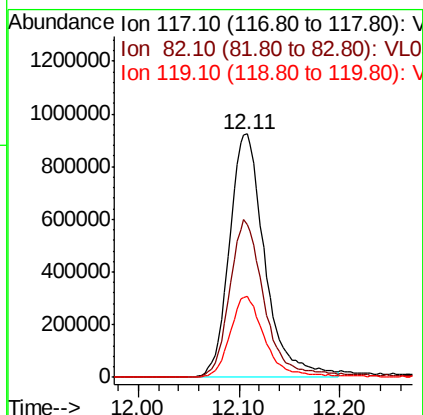
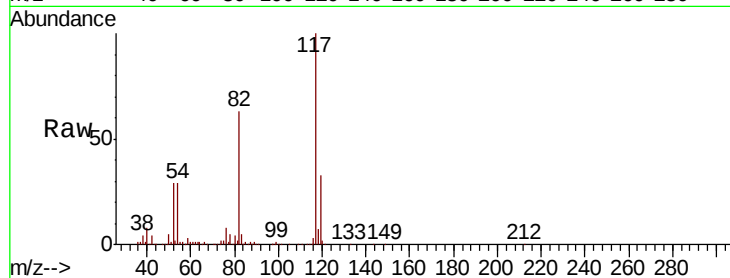
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	18.1	51.4	77.0#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VIBLK
 Acq: 20 Jul 2022 18:41

Tot Ion: 117 Resp: 2263669
 Ion Ratio Lower Upper
 117 100
 82 65.5 50.8 76.2
 119 33.3 24.1 36.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.744 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T.: 0.04 min
 Lab File: VL039516.D
 Acq: 20 Jul 2022 18:41

Tgt Ion: 95 Resp: 1636385
 Ion Ratio Lower Upper
 95 100
 174 74.8 55.9 83.9
 175 5.5 4.2 6.4

