

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039499.D
 Acq On : 20 Jul 2022 3:07
 Operator : SY/AP
 Sample : N3750-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Jul 20 05:41:32 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	5.68	49	1046844	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2977143	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2593680	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1976964	10.27	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

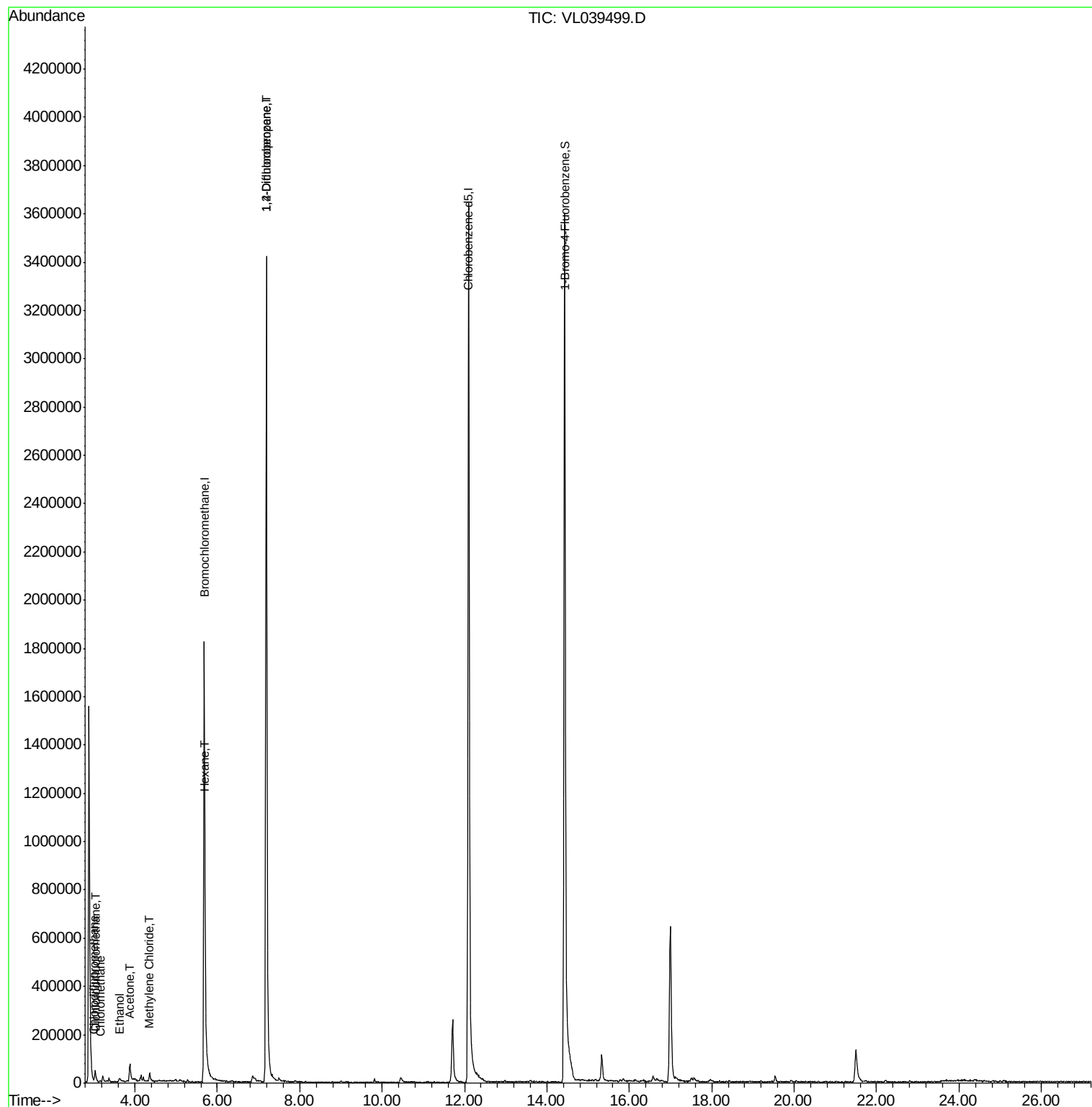
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	4542	0.030	ppbv #	69
3) Chlorodifluoromethane	3.00	51	7730	0.058	ppbv #	89
4) Chloromethane	3.15	50	3019	0.042	ppbv #	70
13) Ethanol	3.63	45	8362	2.403	ppbv #	23
15) Acetone	3.87	43	31898	0.258	ppbv #	1
20) Methylene Chloride	4.36	84	9944	0.201	ppbv #	78
26) Hexane	5.71	57	3154	0.031	ppbv #	29
39) 1,2-Dichloropropane	7.19	63	715946	8.317	ppbv #	25

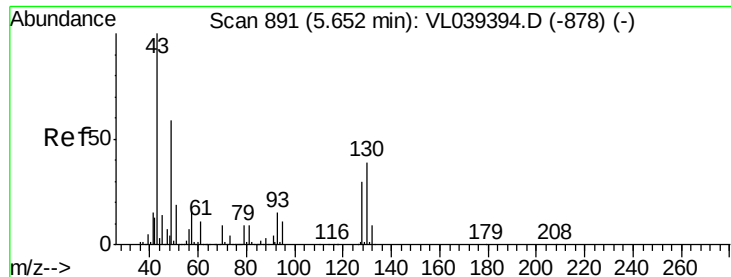
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

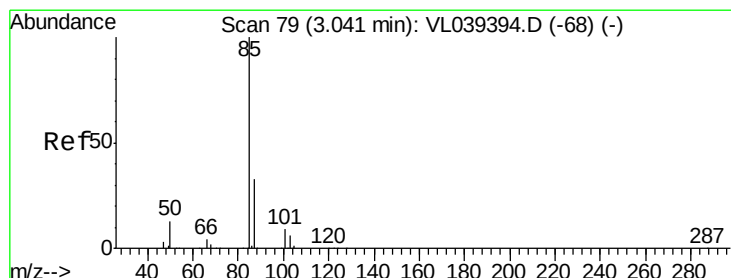
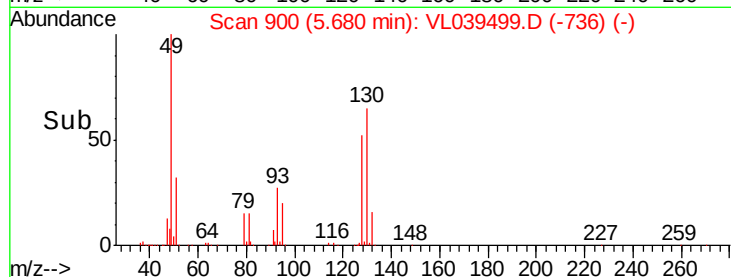
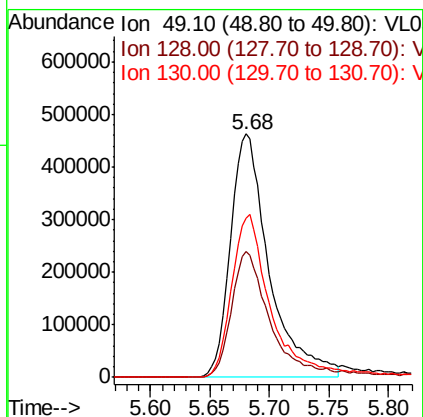
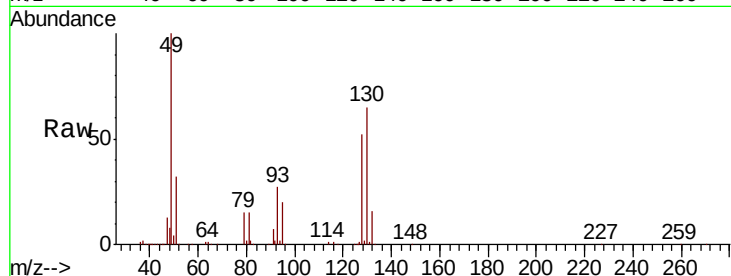
Quant Time: Jul 20 05:41:32 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
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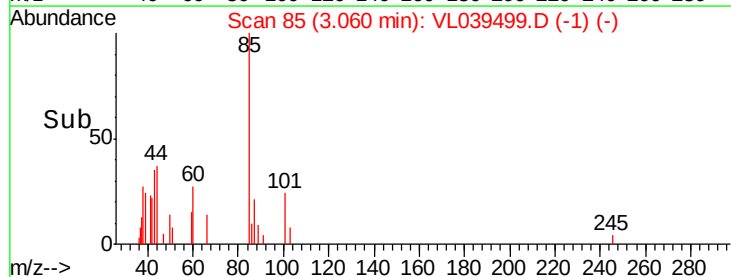
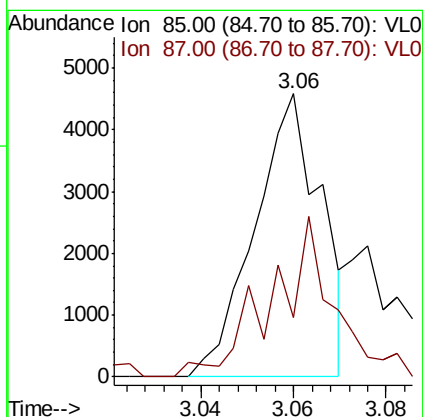
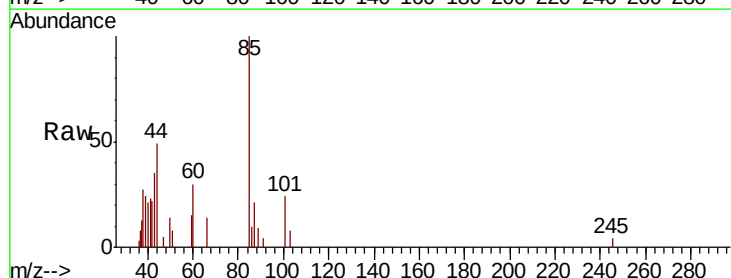
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 3:07

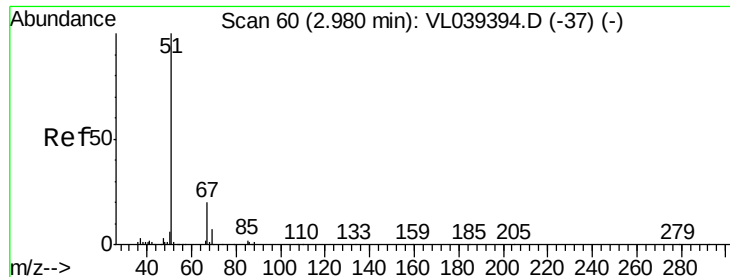
Tot Ion: 49 Resp: 1046844
 Ion Ratio Lower Upper
 49 100
 128 53.7 26.7 80.0
 130 71.0 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.030 ppbv
 RT: 3.06 min Scan# 85
 Delta R.T. 0.02 min
 Lab File: VL039499.D
 Acq: 20 Jul 2022 3:07

Tgt Ion: 85 Resp: 4542
 Ion Ratio Lower Upper
 85 100
 87 15.9 26.7 40.1#





#3

Chlorodifluoromethane

Concen: 0.058 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

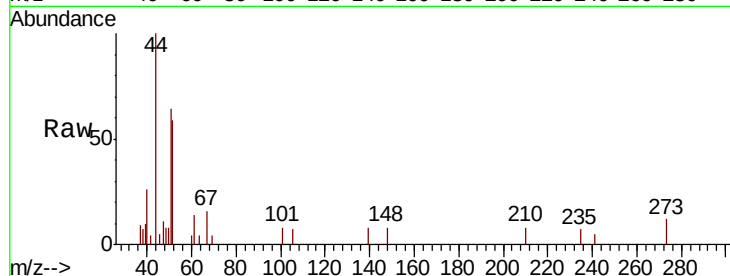
Acq: 20 Jul 2022 3:07

Tot Ion: 51 Resp: 7730

Ion Ratio Lower Upper

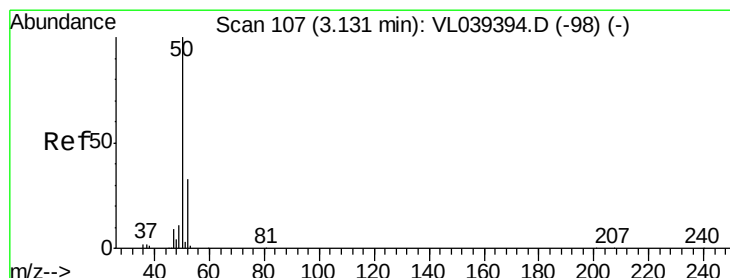
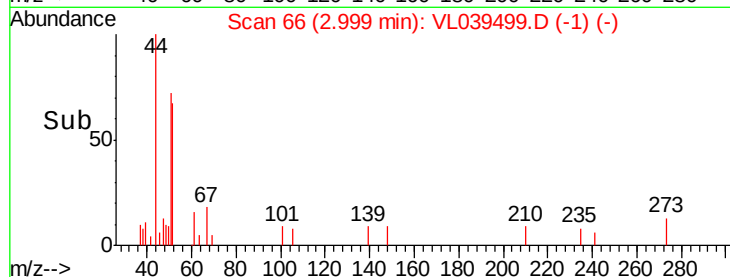
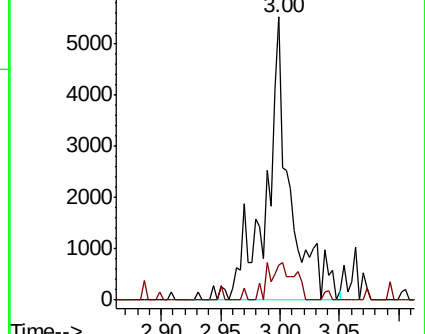
51 100

67 14.8 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.042 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL039499.D

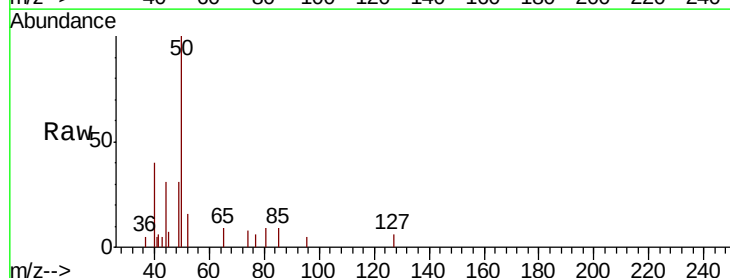
Acq: 20 Jul 2022 3:07

Tgt Ion: 50 Resp: 3019

Ion Ratio Lower Upper

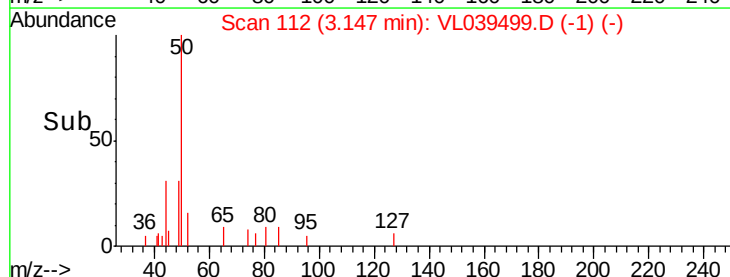
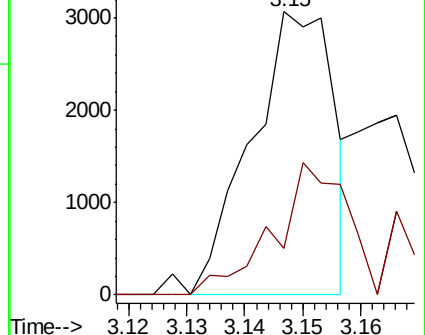
50 100

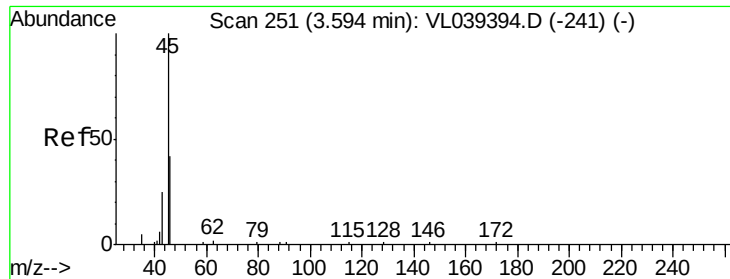
52 16.3 26.5 39.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

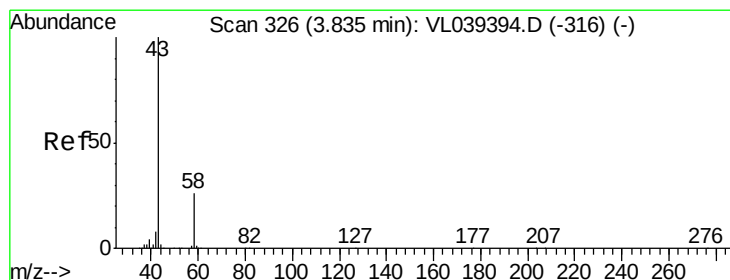
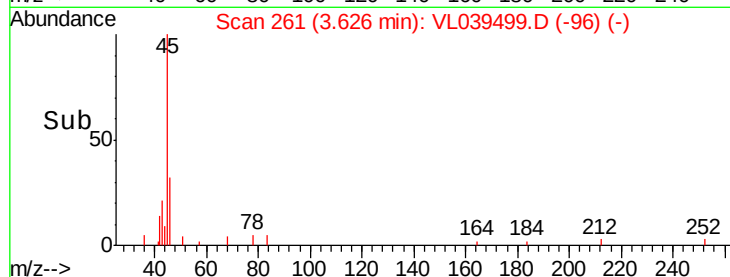
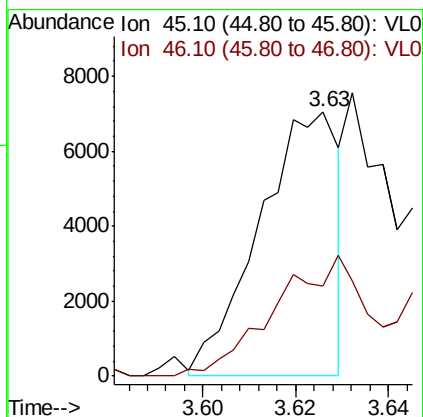
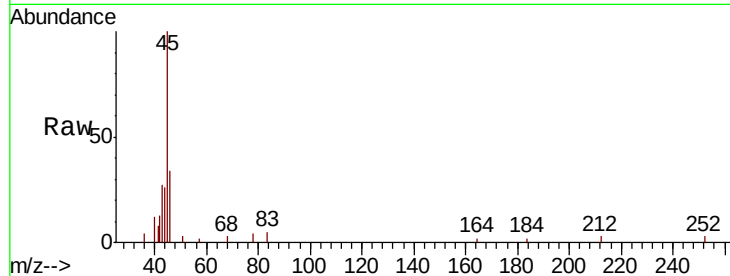
Ion 52.10 (51.80 to 52.80): VL0





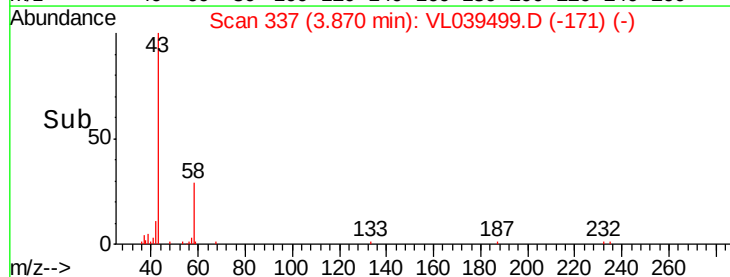
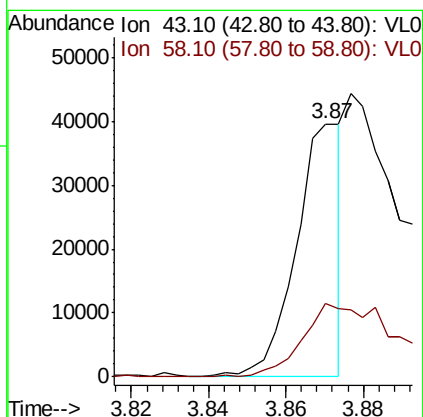
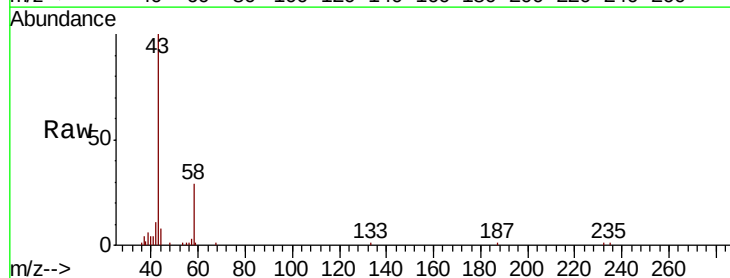
#13
Ethanol
Concen: 2.403 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 3:07

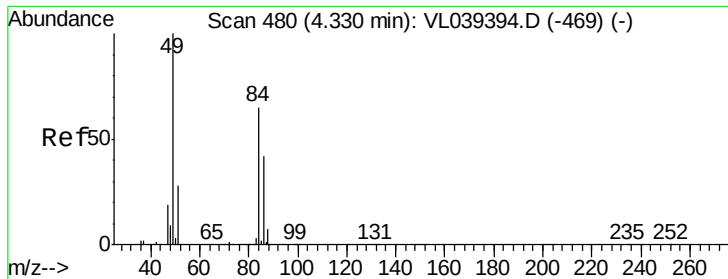
Tot Ion: 45 Resp: 8362
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#



#15
Acetone
Concen: 0.258 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL039499.D
Acq: 20 Jul 2022 3:07

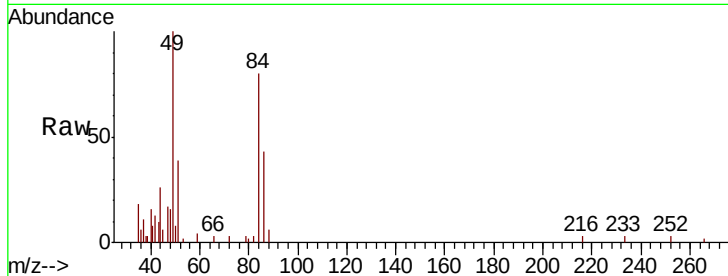
Tgt Ion: 43 Resp: 31898
Ion Ratio Lower Upper
43 100
58 76.8 21.0 31.6#



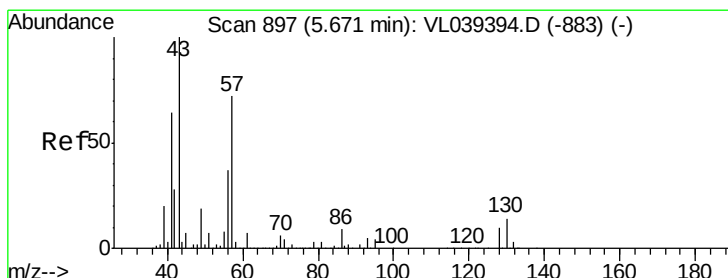
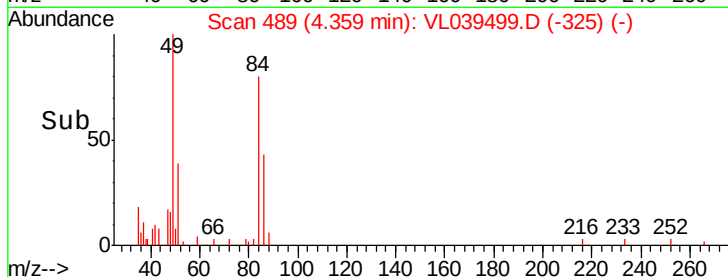
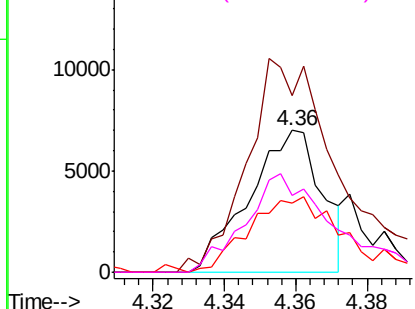


#20
Methvlene Chloride
Concen: 0.201 ppbv
RT: 4.36
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 20 Jul 2022 3:07

Tot Ion: 84 Resp: 9944
Ion Ratio Lower Upper
84 100
49 115.4 123.1 184.7#
51 48.5 34.4 51.6
86 53.8 51.1 76.7

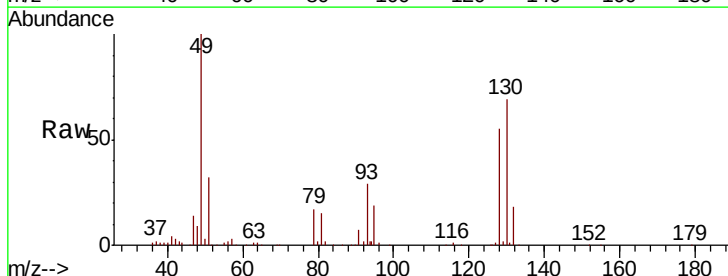


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

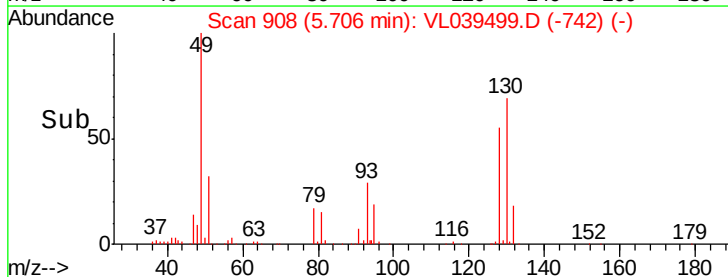
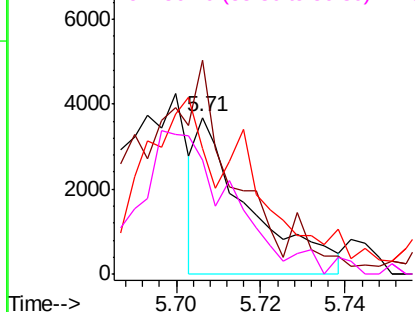


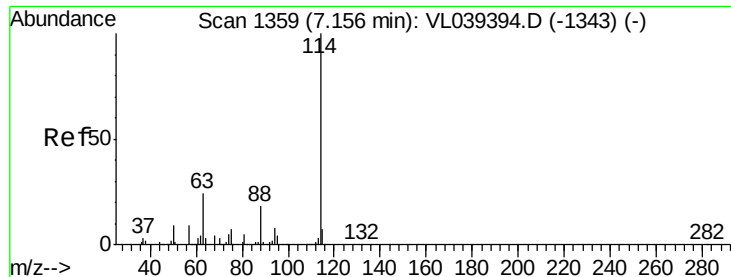
#26
Hexane
Concen: 0.031 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.04 min
Lab File: VL039499.D
Acq: 20 Jul 2022 3:07

Tgt Ion: 57 Resp: 3154
Ion Ratio Lower Upper
57 100
41 267.4 76.9 115.3#
43 285.9 191.0 286.6
56 0.0 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

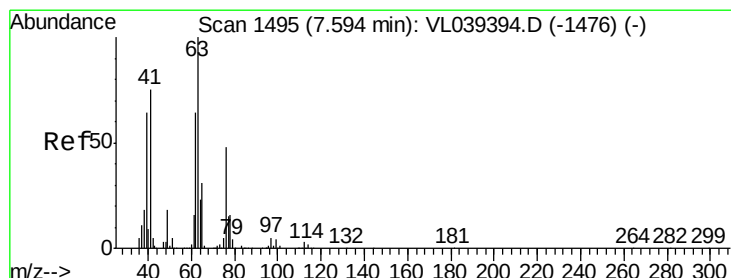
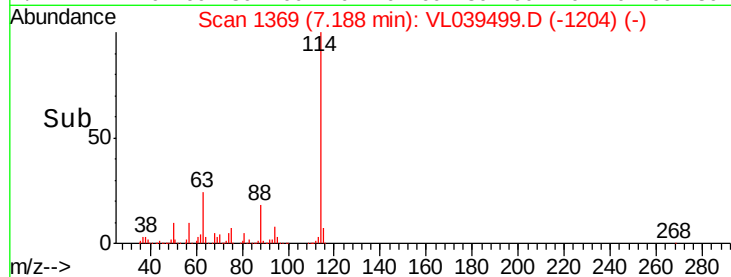
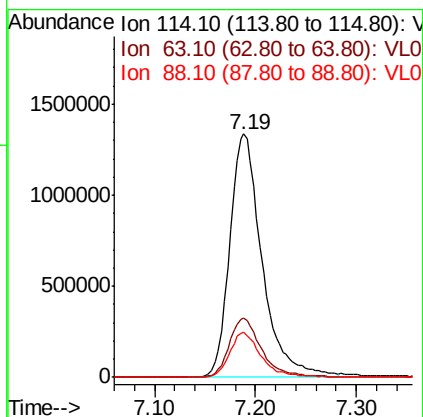
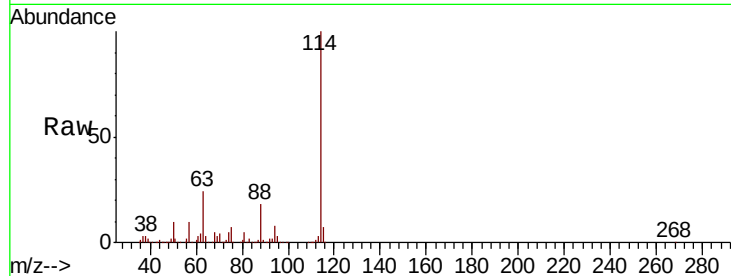




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 3:07

Tot Ion: 114 Resp: 2977143

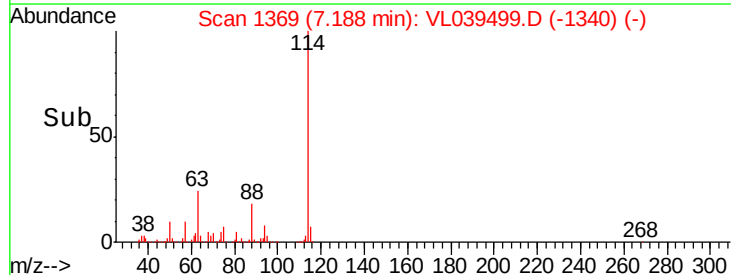
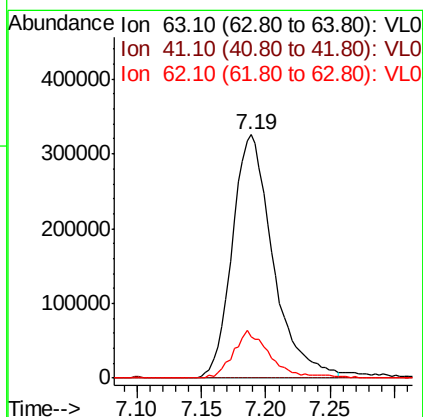
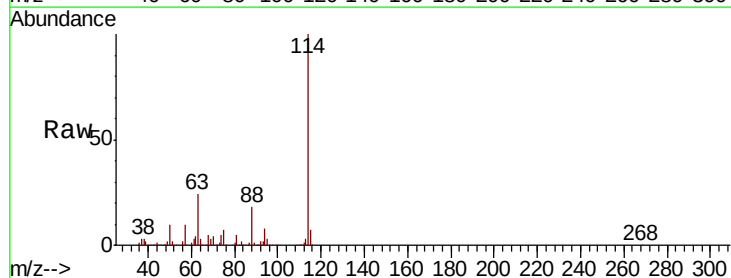
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.5	14.5	21.7

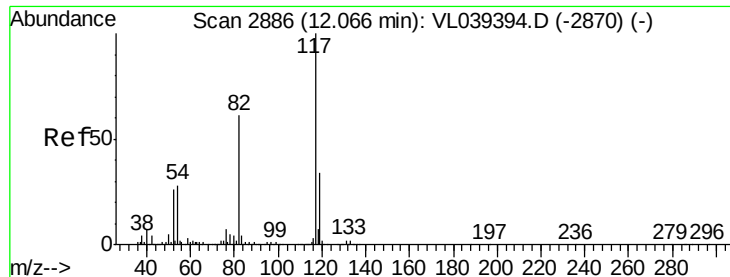


#39
 1,2-Dichloropropane
 Concen: 8.317 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T.: -0.41 min
 Lab File: VL039499.D
 Acq: 20 Jul 2022 3:07

Tgt Ion: 63 Resp: 715946

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.2	51.4	77.0#

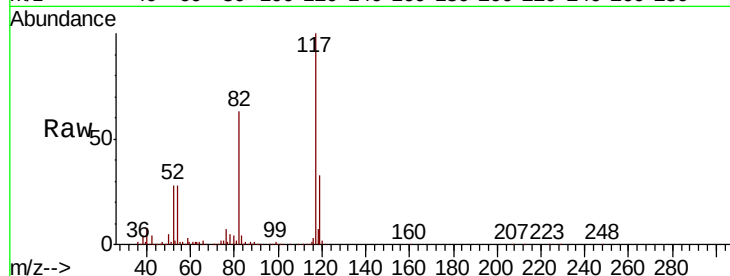




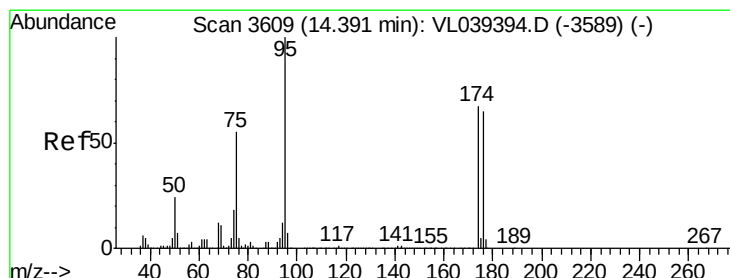
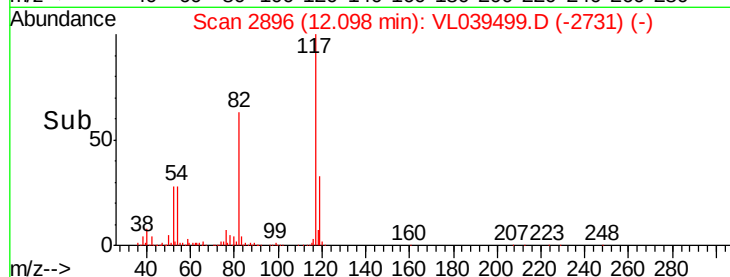
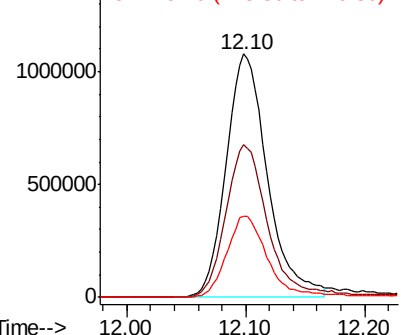
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 3:07

Tot Ion: 117 Resp: 2593680

Ion	Ratio	Lower	Upper
117	100		
82	66.5	50.8	76.2
119	34.0	24.1	36.1



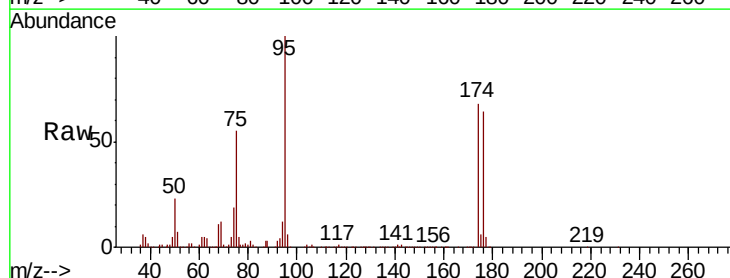
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.275 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.04 min
 Lab File: VL039499.D
 Acq: 20 Jul 2022 3:07

Tgt Ion: 95 Resp: 1976964

Ion	Ratio	Lower	Upper
95	100		
174	72.6	55.9	83.9
175	5.3	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

