

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039434.D
 Acq On : 6 Jul 2022 1:04
 Operator : SY/AP
 Sample : N3573-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jul 06 02:37:57 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	1117729	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3104414	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2717672	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2005647	9.95	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

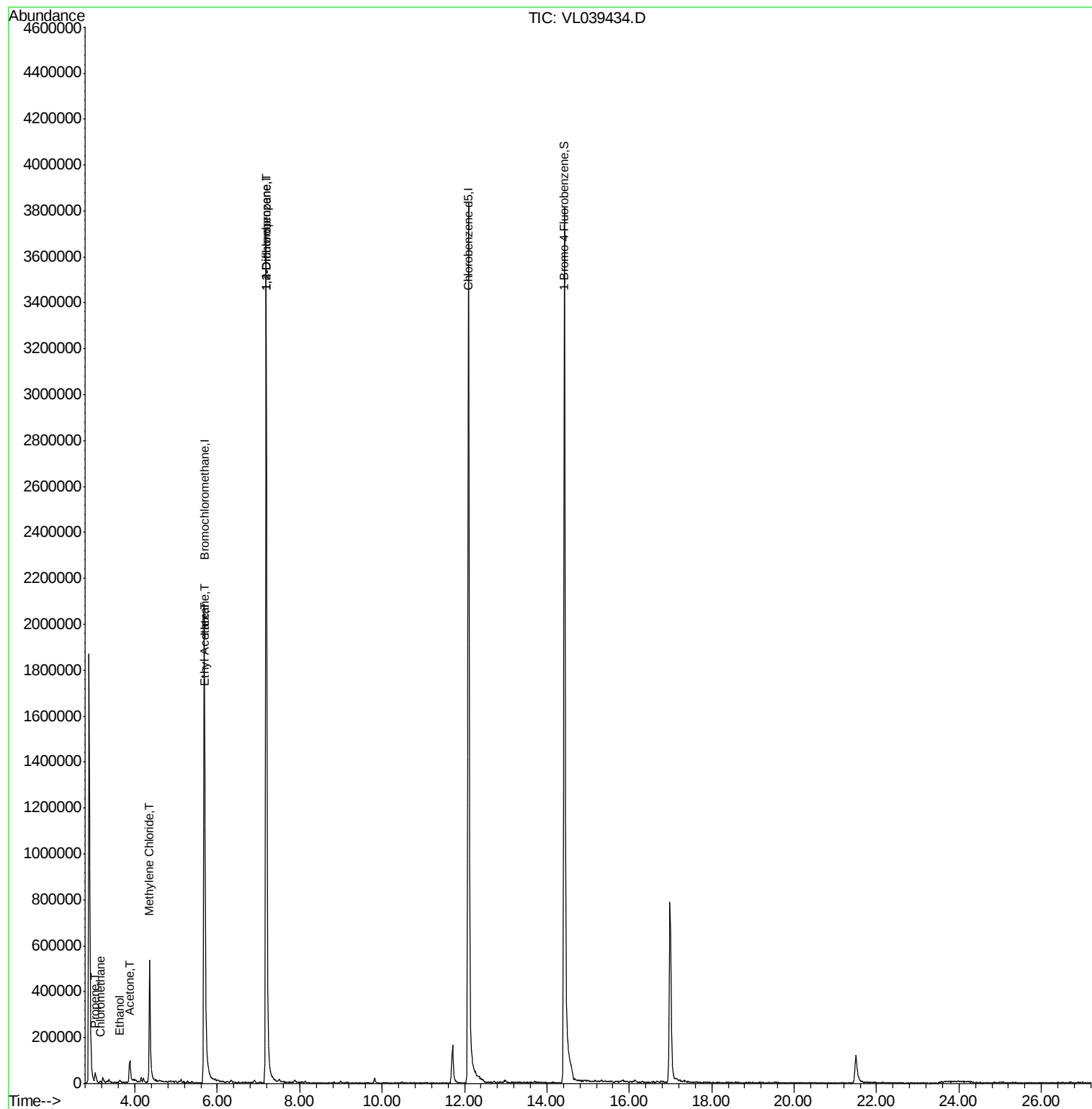
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.15	50	2442	0.031	ppbv #	42
9) Propene	3.03	41	5927	0.093	ppbv #	15
13) Ethanol	3.62	45	7440	2.002	ppbv	92
15) Acetone	3.87	43	121287	0.917	ppbv	91
20) Methylene Chloride	4.36	84	225541	4.279	ppbv	92
25) Ethyl Acetate	5.70	43	96569	0.356	ppbv #	76
26) Hexane	5.70	57	135429	1.239	ppbv #	39
39) 1,2-Dichloropropane	7.18	63	756137	8.424	ppbv #	25

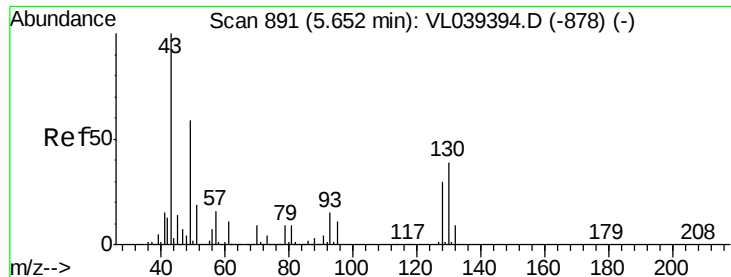
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 6 Jul 2022 1:04

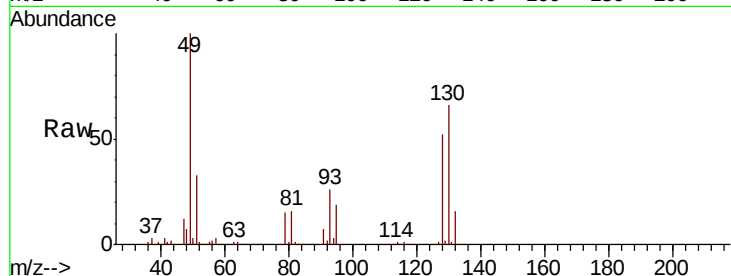
Tot Ion: 49 Resp: 1117729

Ion Ratio Lower Upper

49 100

128 53.7 26.7 80.0

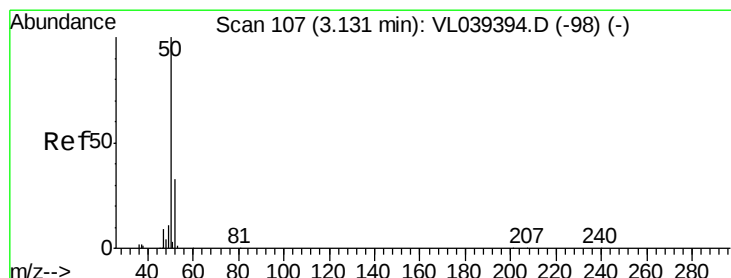
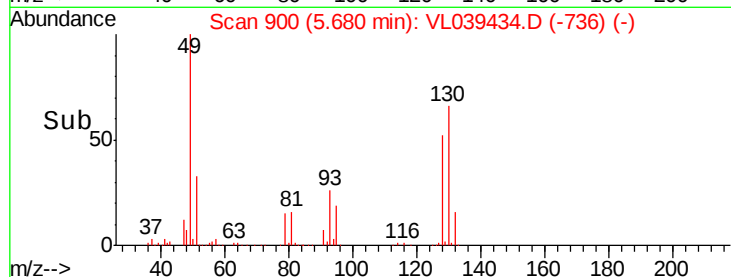
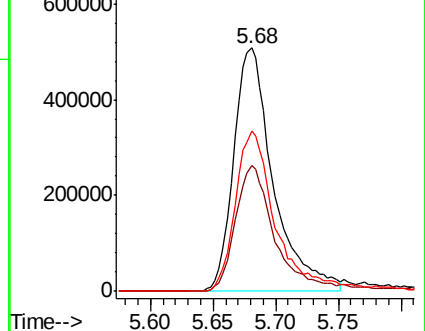
130 68.6 34.3 102.8



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



#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039434.D

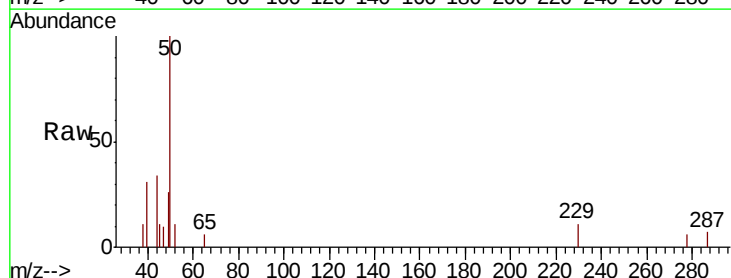
Acq: 6 Jul 2022 1:04

Tgt Ion: 50 Resp: 2442

Ion Ratio Lower Upper

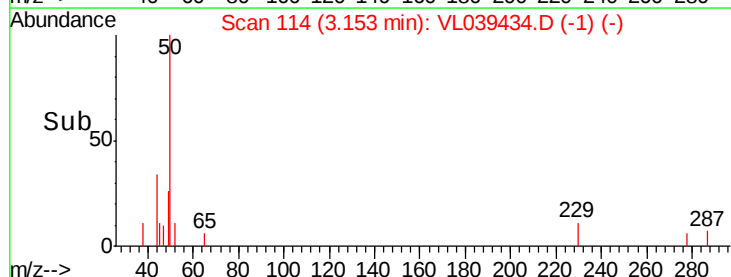
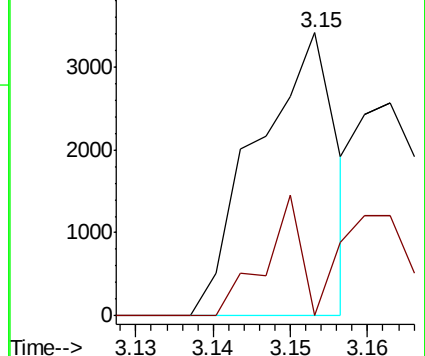
50 100

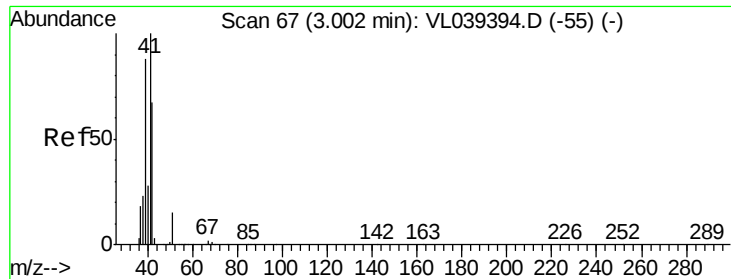
52 0.0 26.5 39.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

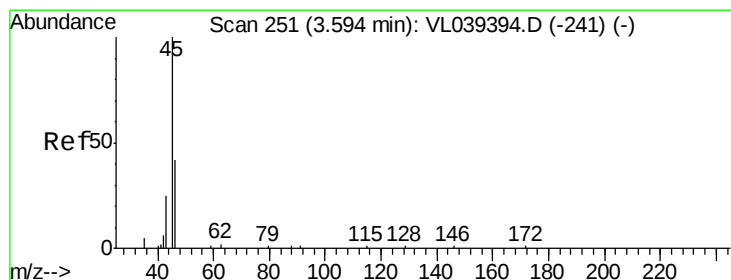
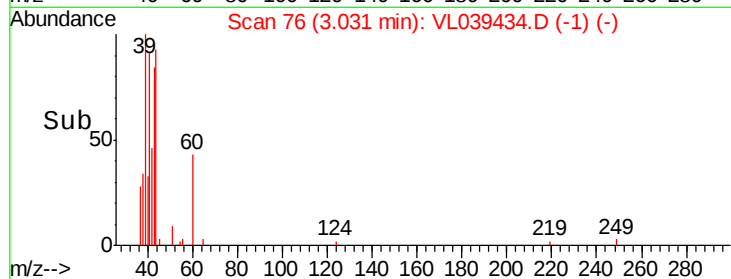
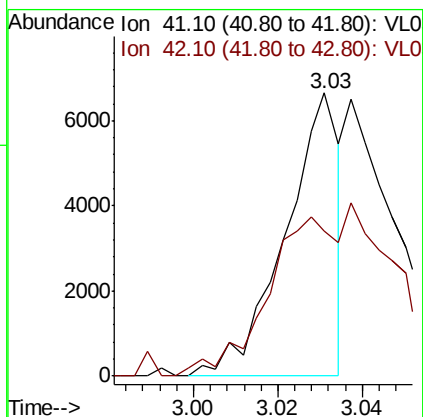
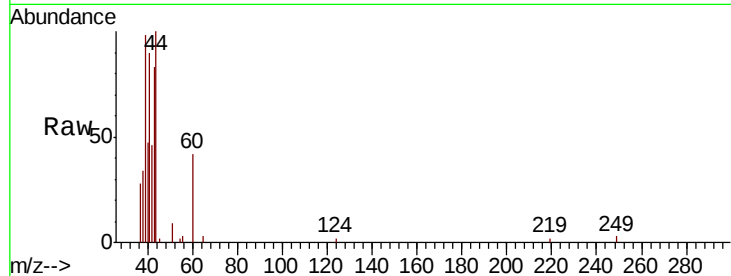
Ion 52.10 (51.80 to 52.80): VL0





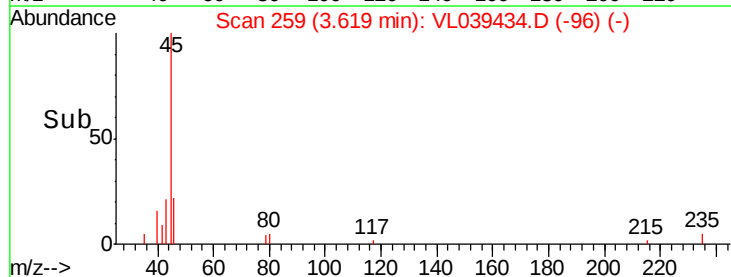
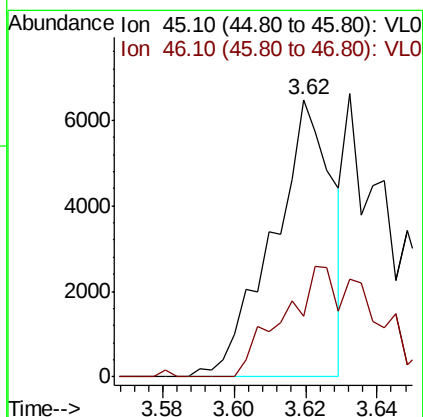
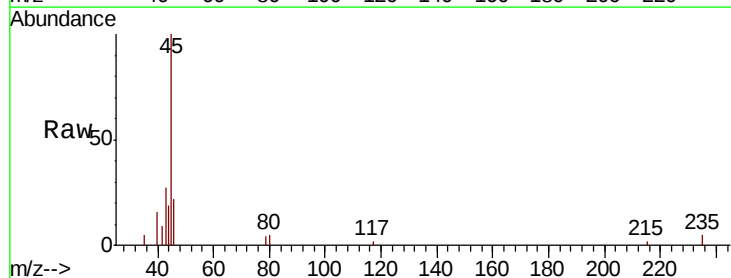
#9
 Propene
 Concen: 0.093 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 6 Jul 2022 1:04

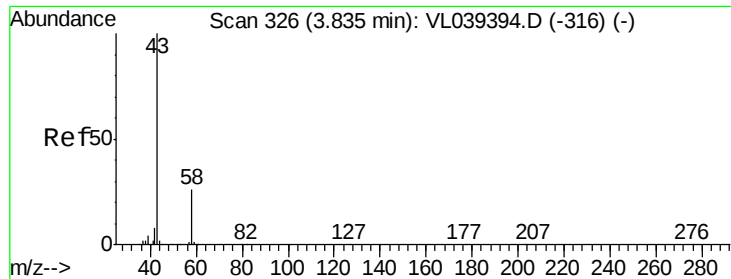
Tot Ion: 41 Resp: 5927
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.2 82.8#



#13
 Ethanol
 Concen: 2.002 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.03 min
 Lab File: VL039434.D
 Acq: 6 Jul 2022 1:04

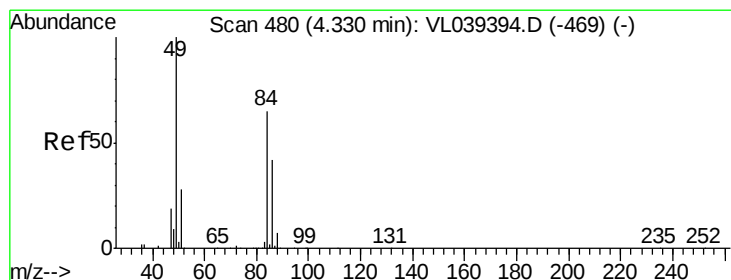
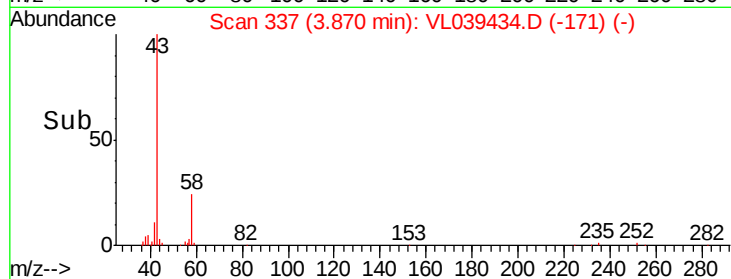
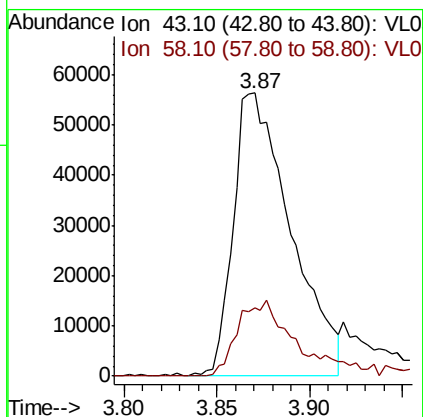
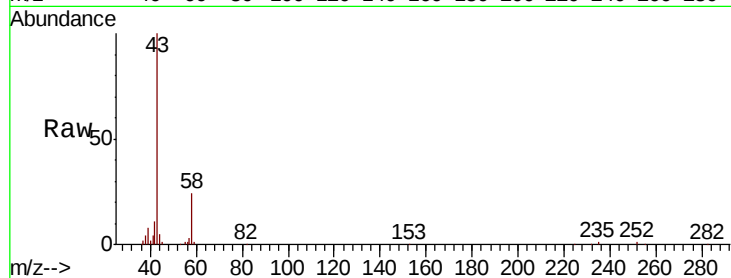
Tgt Ion: 45 Resp: 7440
 Ion Ratio Lower Upper
 45 100
 46 63.0 22.8 91.2





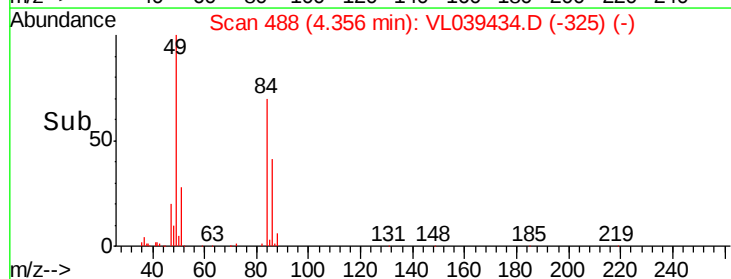
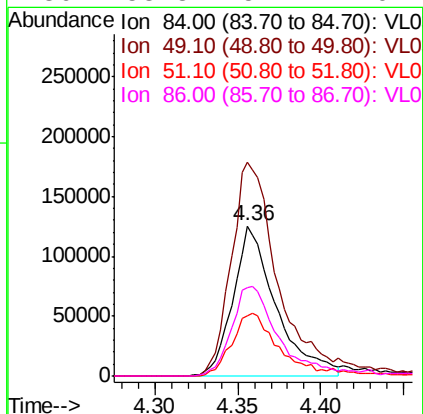
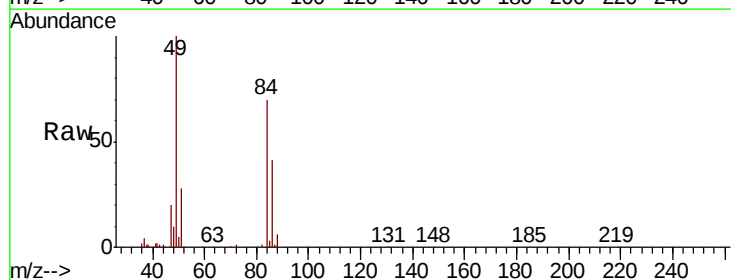
#15
Acetone
Concen: 0.917 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jul 2022 1:04

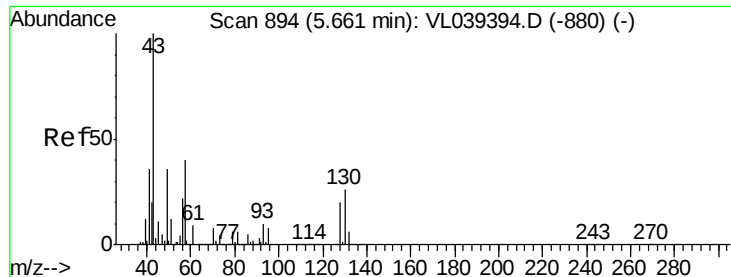
Tot Ion: 43 Resp: 121287
Ion Ratio Lower Upper
43 100
58 31.1 21.0 31.6



#20
Methylene Chloride
Concen: 4.279 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL039434.D
Acq: 6 Jul 2022 1:04

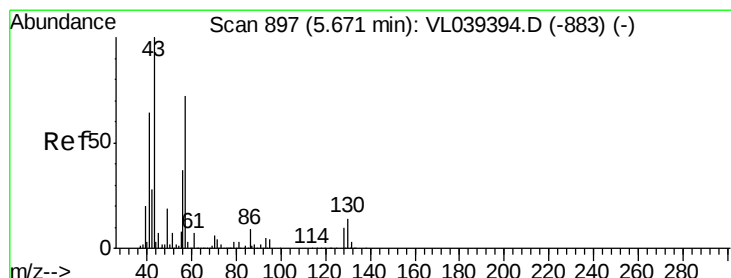
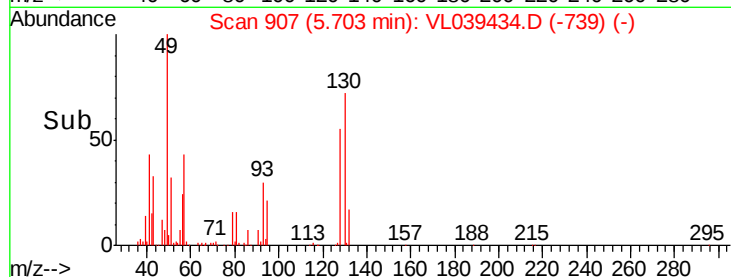
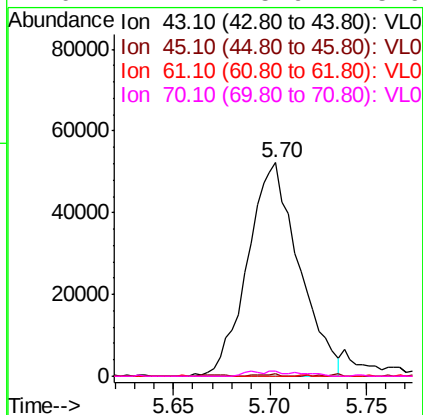
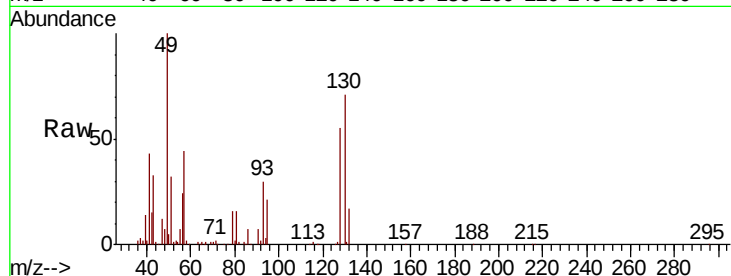
Tgt Ion: 84 Resp: 225541
Ion Ratio Lower Upper
84 100
49 142.1 123.1 184.7
51 39.3 34.4 51.6
86 58.8 51.1 76.7





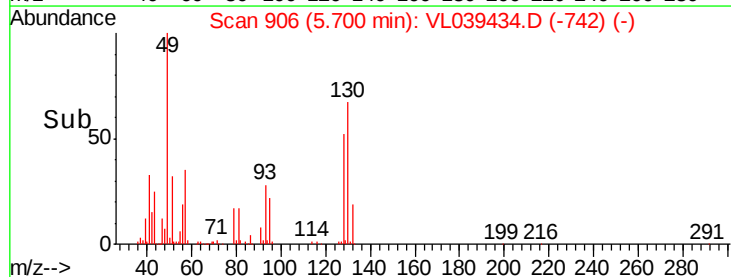
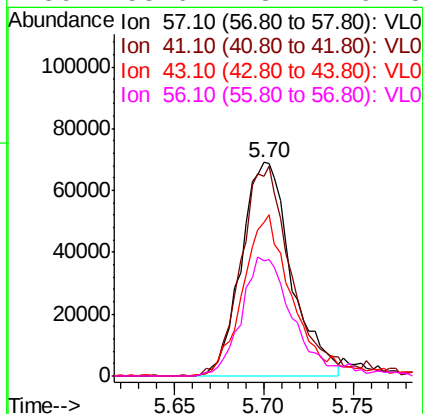
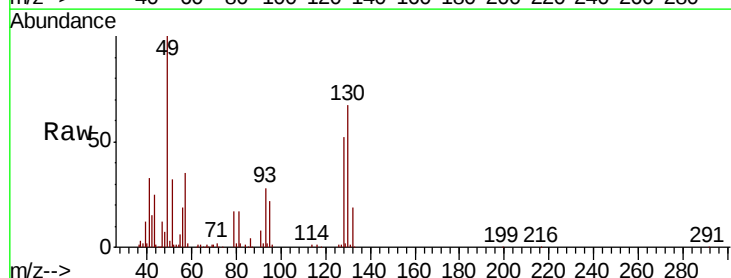
#25
Ethyl Acetate
Concen: 0.356 ppbv
RT: 5.70 min
Delta R.T.: 0.03 min
Lab File: VL039434.D
Acq: 6 Jul 2022 1:04

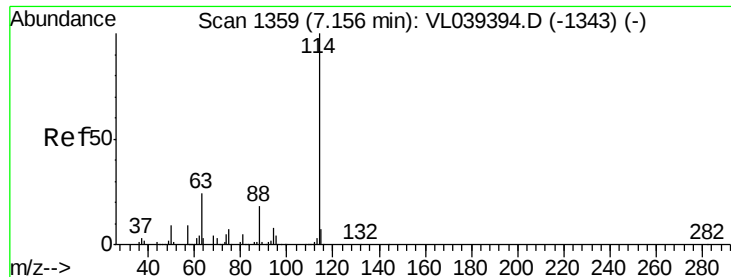
Tot Ion:	43	Resp:	96569
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.4#
61	0.0	8.3	12.5#
70	2.4	5.9	8.9#



#26
Hexane
Concen: 1.239 ppbv
RT: 5.70 min Scan# 906
Delta R.T.: 0.03 min
Lab File: VL039434.D
Acq: 6 Jul 2022 1:04

Tgt Ion:	57	Resp:	135429
Ion	Ratio	Lower	Upper
57	100		
41	101.7	76.9	115.3
43	77.5	191.0	286.6#
56	58.6	43.2	64.8

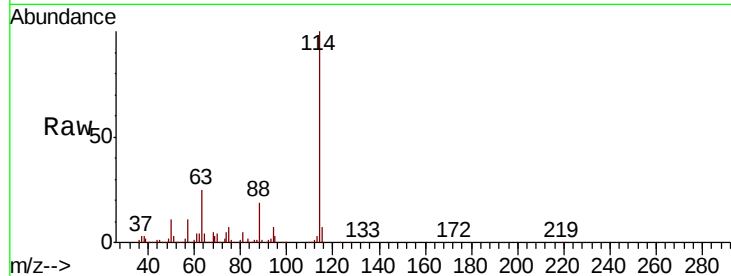




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jul 2022 1:04

Tot Ion:114 Resp: 3104414

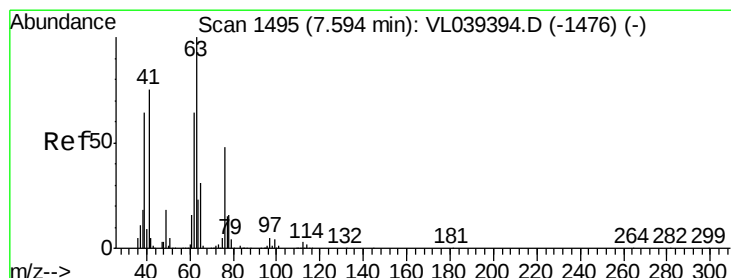
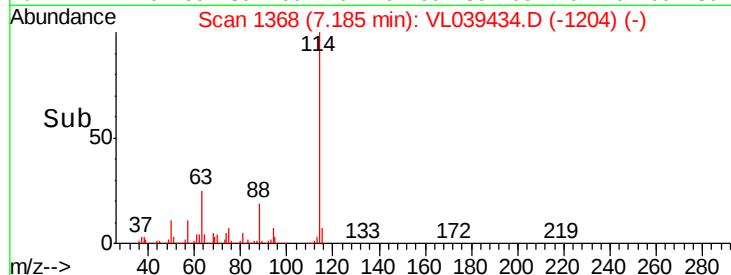
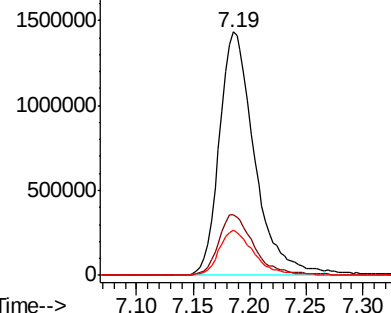
Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.2	30.4
88	18.7	14.5	21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

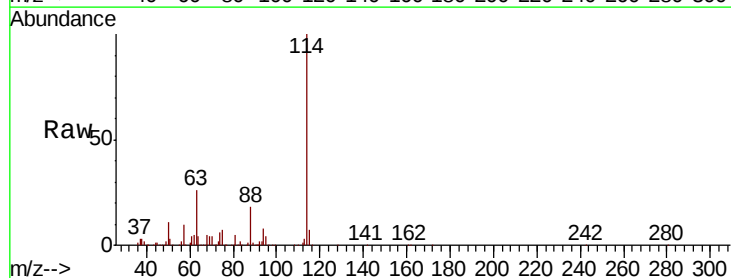
Ion 88.10 (87.80 to 88.80): VL0



#39
 1,2-Dichloropropane
 Concen: 8.424 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.41 min
 Lab File: VL039434.D
 Acq: 6 Jul 2022 1:04

Tgt Ion: 63 Resp: 756137

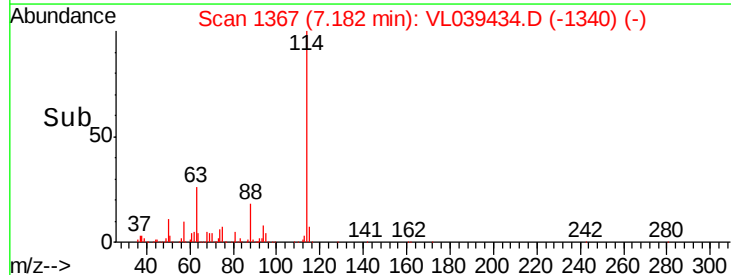
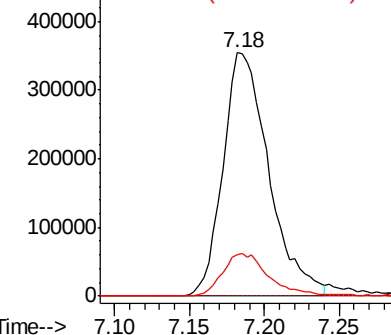
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.1	51.4	77.0#

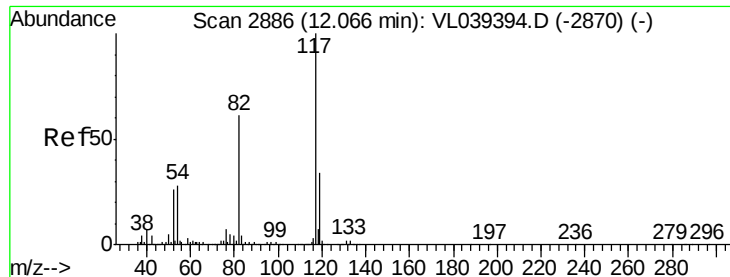


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

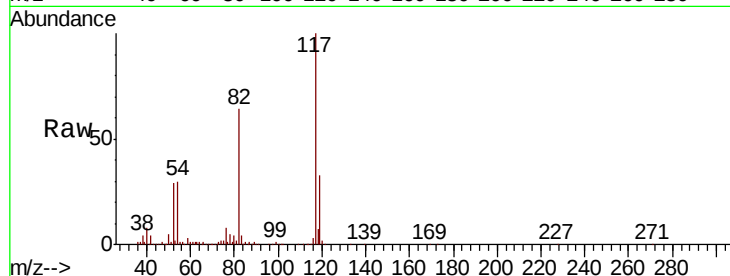




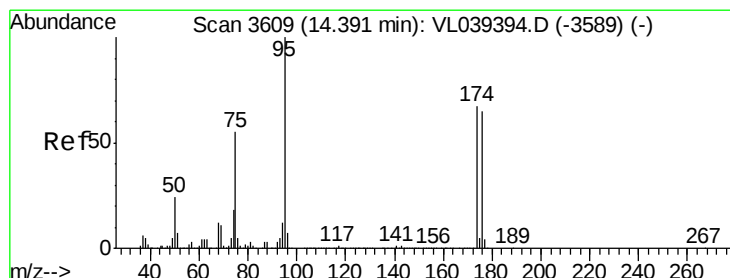
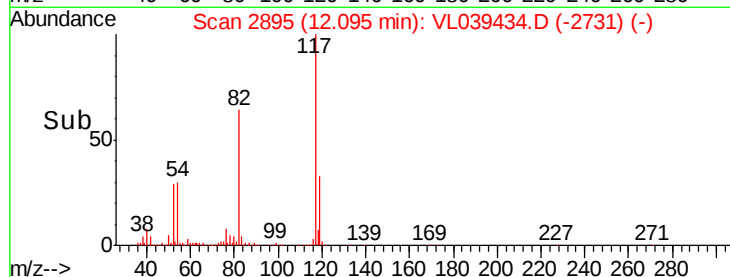
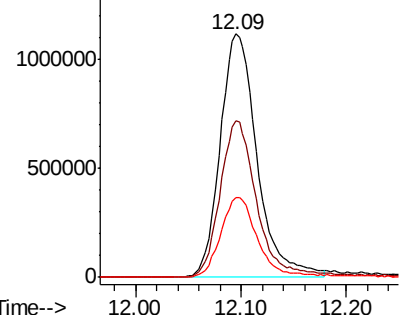
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId :
Acq: 6 Jul 2022 1:04

Tot Ion: 117 Resp: 2717672

Ion	Ratio	Lower	Upper
117	100		
82	65.2	50.8	76.2
119	33.8	24.1	36.1



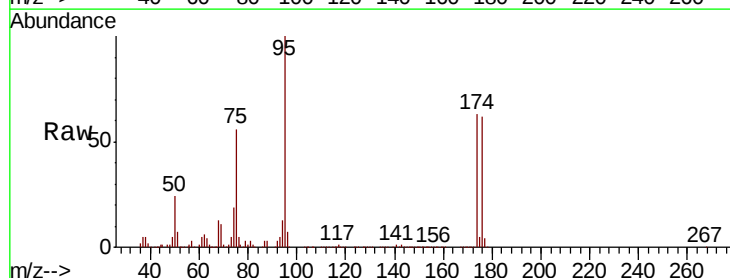
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.948 ppbv
RT: 14.43 min Scan# 3620
Delta R.T.: 0.04 min
Lab File: VL039434.D
Acq: 6 Jul 2022 1:04

Tgt Ion: 95 Resp: 2005647

Ion	Ratio	Lower	Upper
95	100		
174	71.0	55.9	83.9
175	5.2	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

