

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039430.D
 Acq On : 5 Jul 2022 22:19
 Operator : SY/AP
 Sample : N3560-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jul 06 02:37:11 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	1108609	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3223663	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	2761467	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2033939	9.93	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

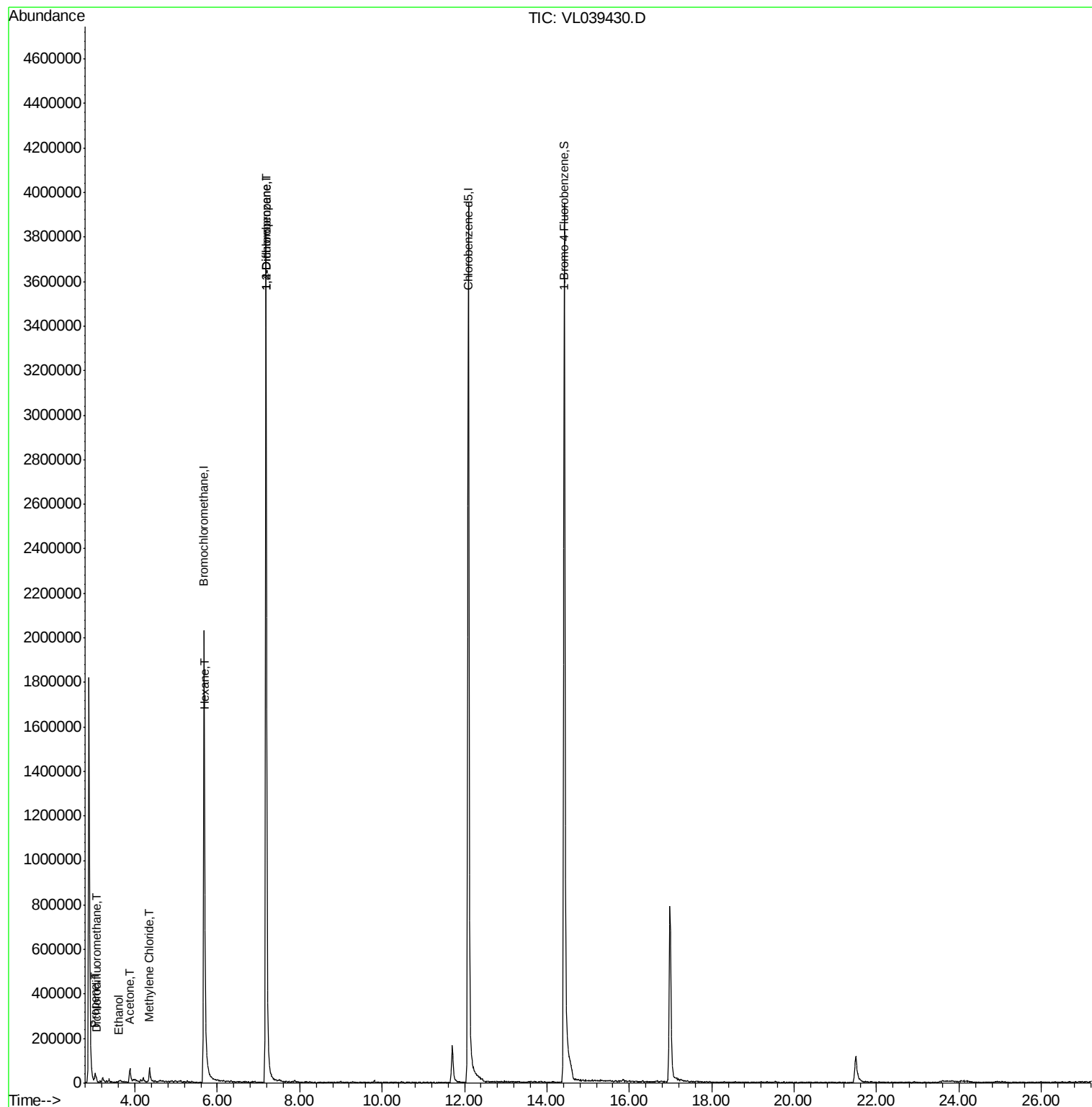
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	9913	0.062 ppbv	95
9) Propene	3.03	41	10291	0.162 ppbv	96
13) Ethanol	3.62	45	3693	1.002 ppbv #	9
15) Acetone	3.87	43	24596	0.188 ppbv #	49
20) Methylene Chloride	4.35	84	24942	0.477 ppbv #	90
26) Hexane	5.70	57	12673	0.117 ppbv #	44
39) 1,2-Dichloropropane	7.18	63	774061	8.305 ppbv #	25

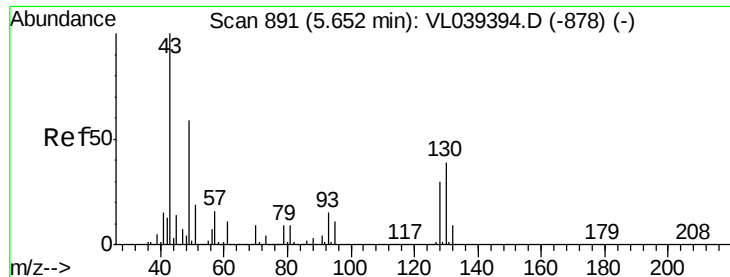
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070522\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

Acq: 5 Jul 2022 22:19

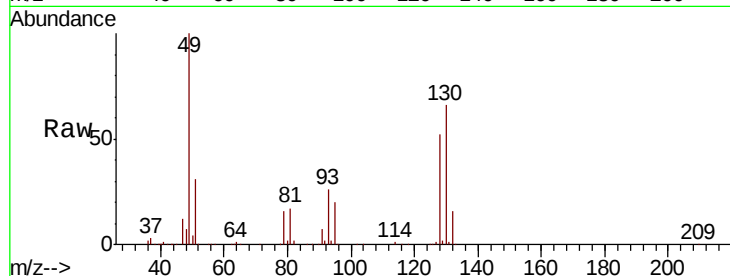
Tot Ion: 49 Resp: 1108609

Ion Ratio Lower Upper

49 100

128 56.4 26.7 80.0

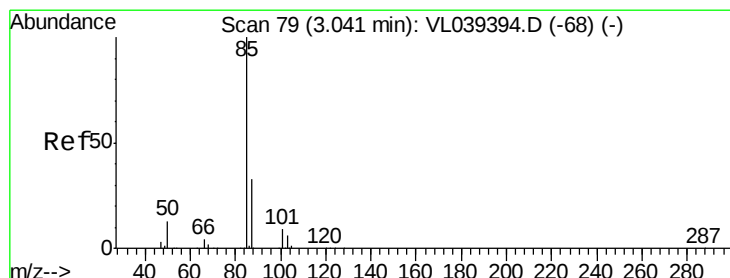
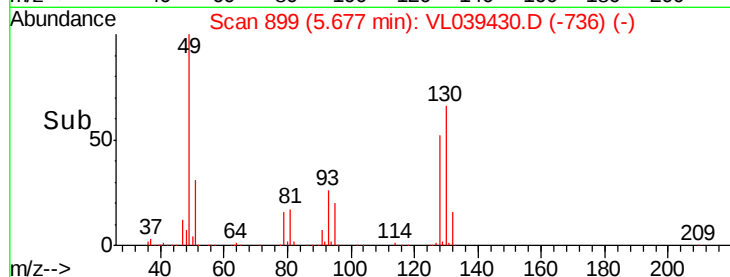
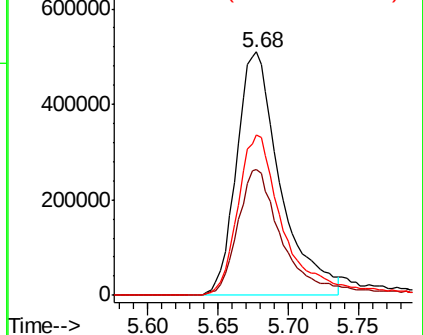
130 71.8 34.3 102.8



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



#2

Dichlorodifluoromethane

Concen: 0.062 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039430.D

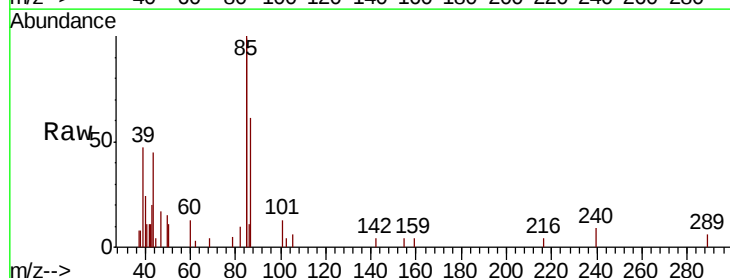
Acq: 5 Jul 2022 22:19

Tgt Ion: 85 Resp: 9913

Ion Ratio Lower Upper

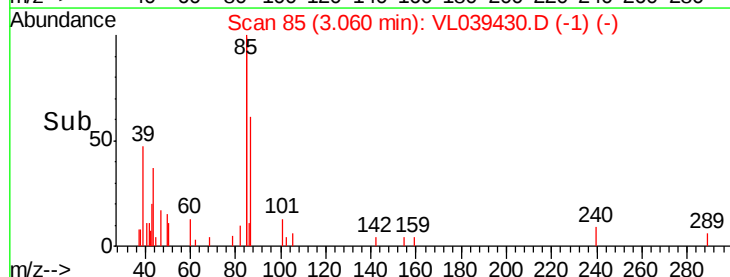
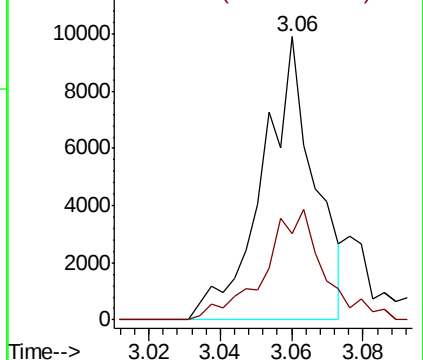
85 100

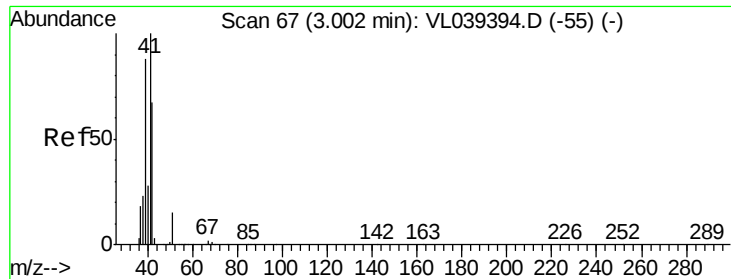
87 30.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.162 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

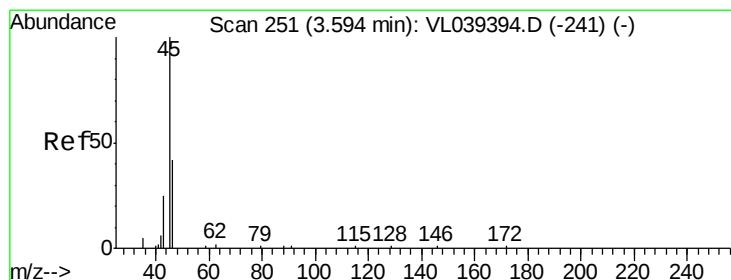
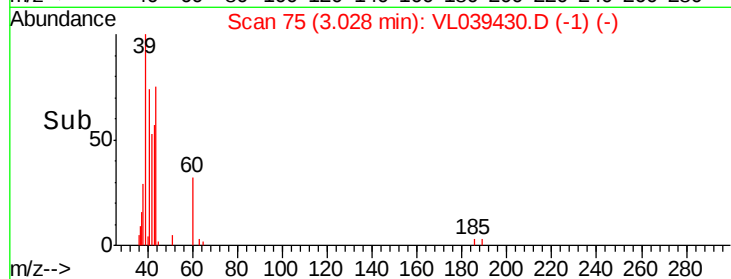
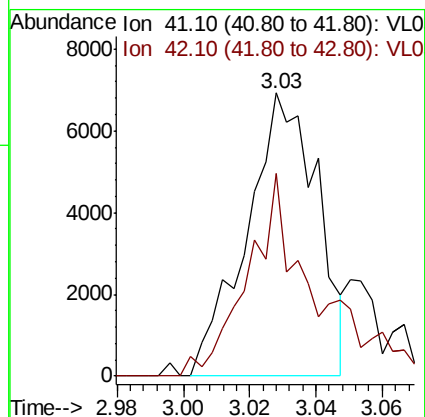
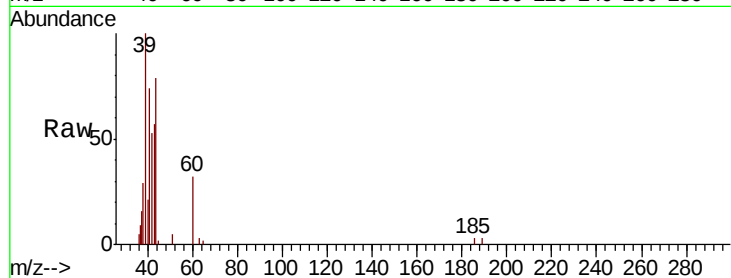
Acq: 5 Jul 2022 22:19

Tot Ion: 41 Resp: 10291

Ion Ratio Lower Upper

41 100

42 72.1 55.2 82.8



#13

Ethanol

Concen: 1.002 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL039430.D

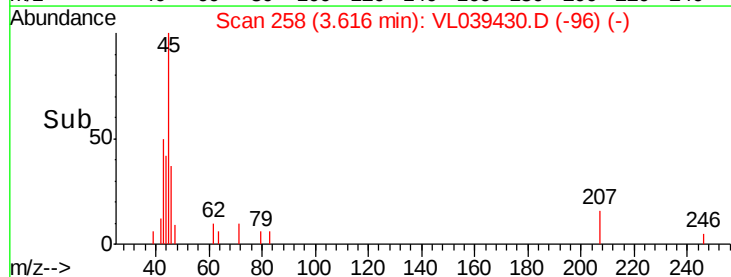
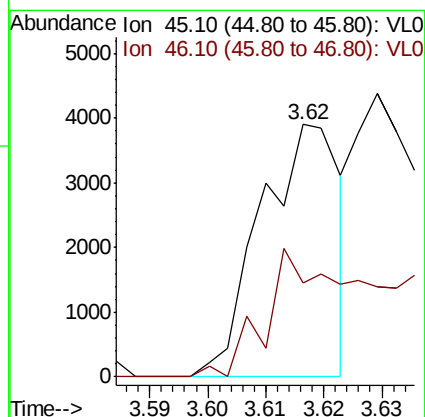
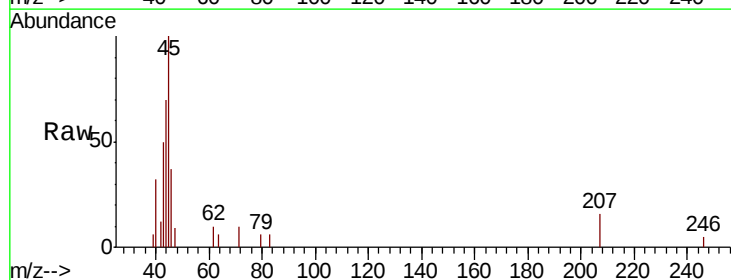
Acq: 5 Jul 2022 22:19

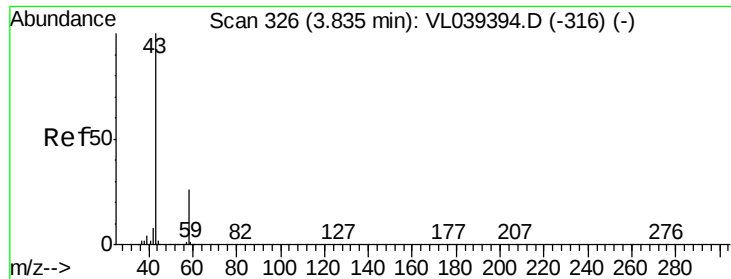
Tgt Ion: 45 Resp: 3693

Ion Ratio Lower Upper

45 100

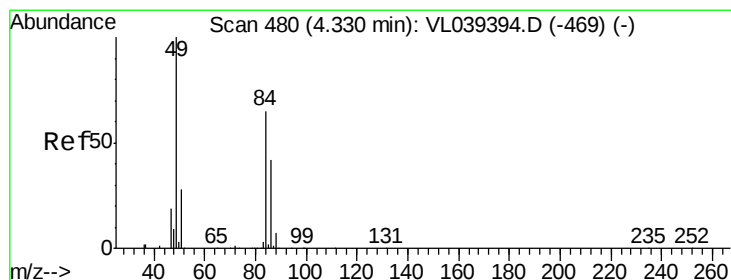
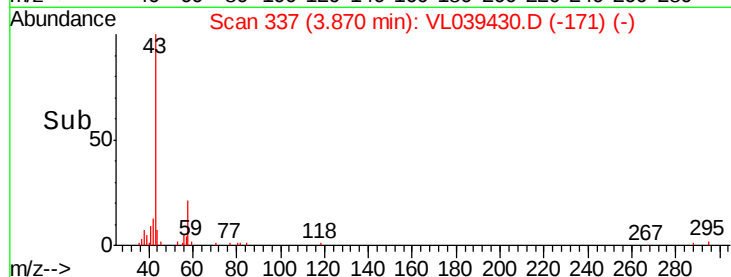
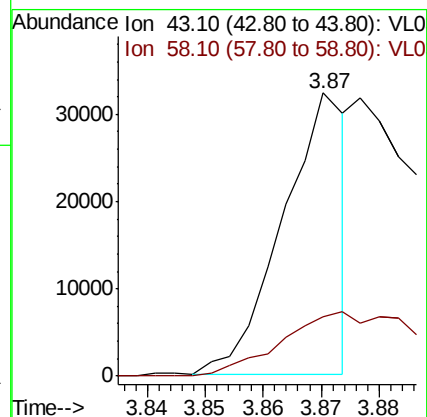
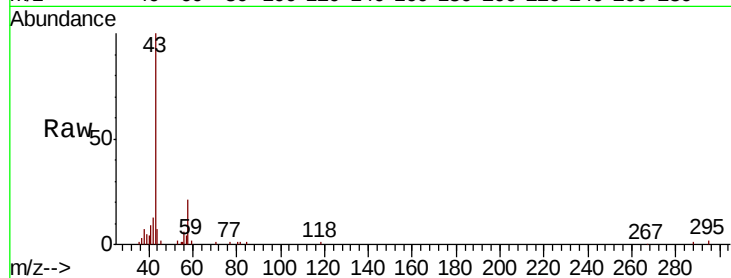
46 124.0 22.8 91.2#





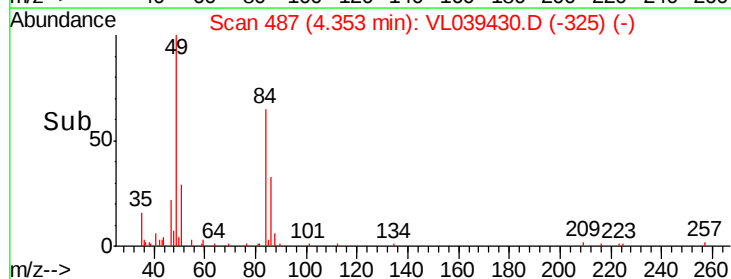
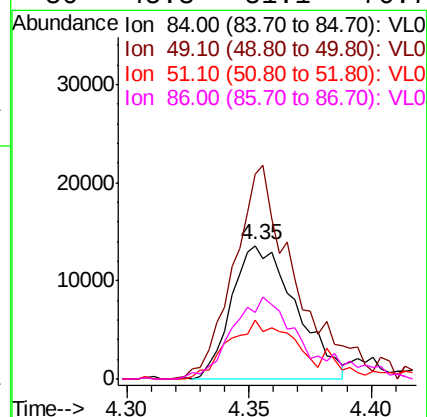
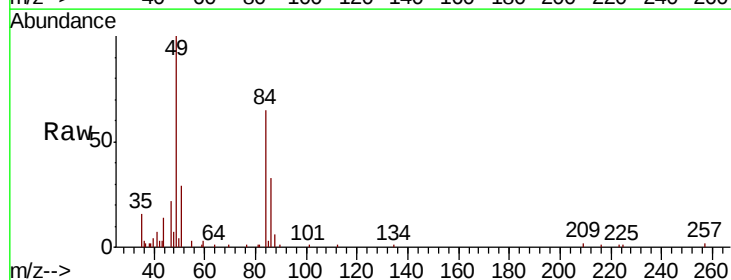
#15
Acetone
Concen: 0.188 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 22:19

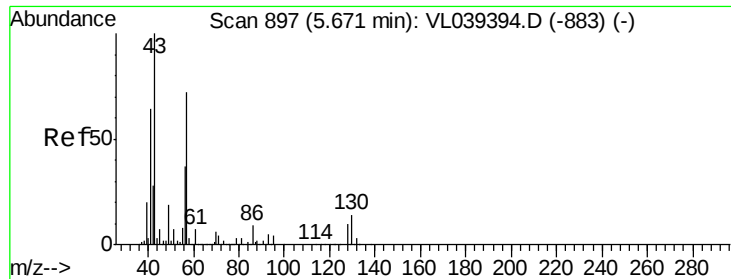
Tot Ion: 43 Resp: 24596
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.477 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL039430.D
Acq: 5 Jul 2022 22:19

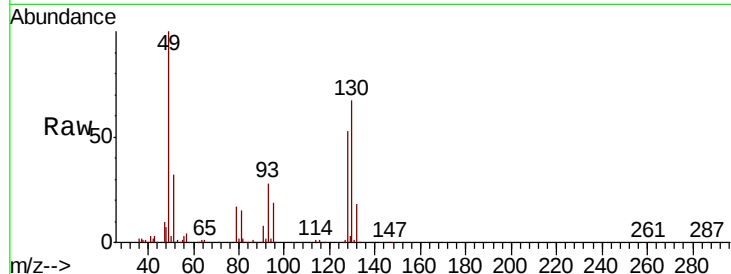
Tgt Ion: 84 Resp: 24942
Ion Ratio Lower Upper
84 100
49 145.6 123.1 184.7
51 41.9 34.4 51.6
86 45.3 51.1 76.7#



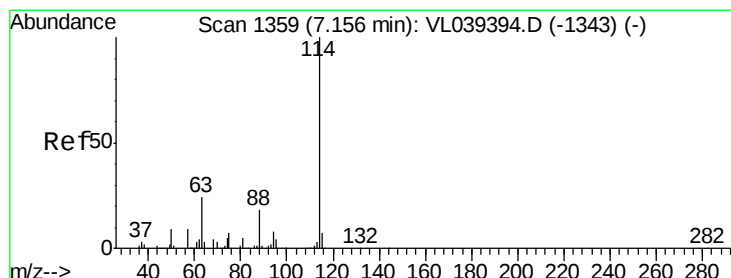
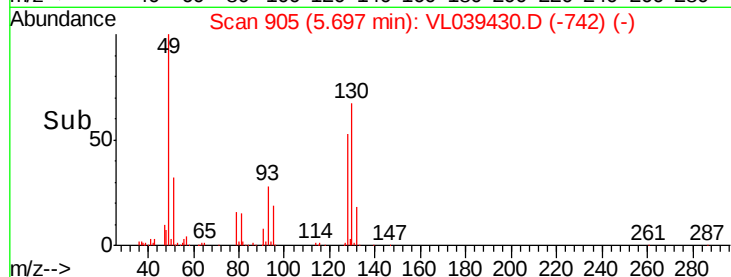
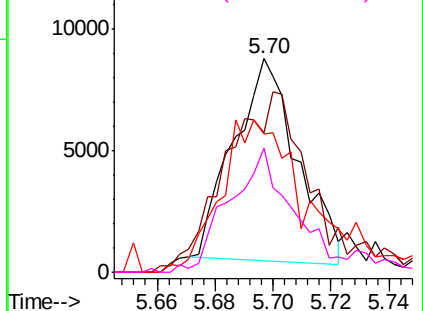


#26
Hexane
Concen: 0.117 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 22:19

Tot Ion: 57 Resp: 12673
Ion Ratio Lower Upper
57 100
41 121.9 76.9 115.3#
43 107.7 191.0 286.6#
56 66.2 43.2 64.8#

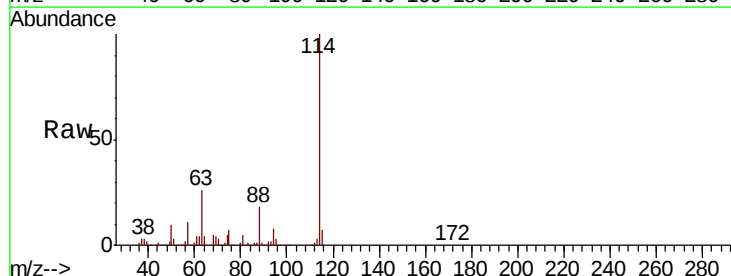


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

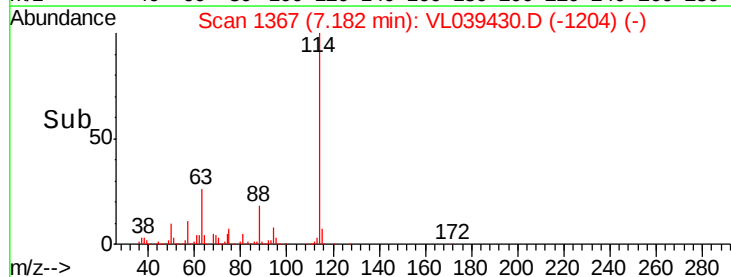
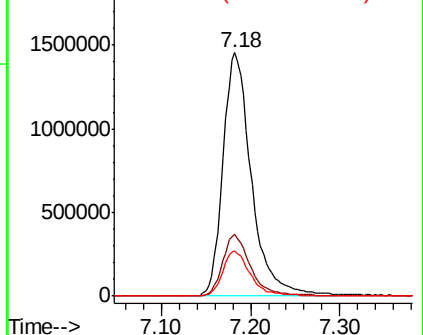


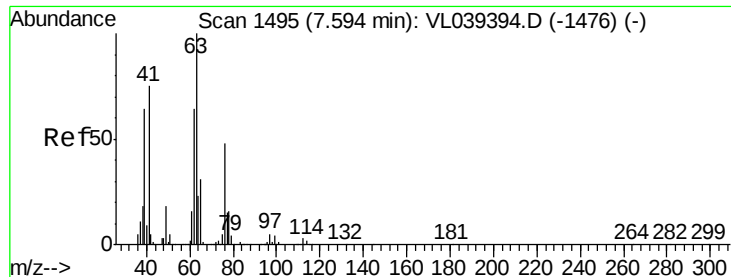
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.03 min
Lab File: VL039430.D
Acq: 5 Jul 2022 22:19

Tgt Ion: 114 Resp: 3223663
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.4
88 18.3 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: 8.305 ppbv

RT: 7.18 Instrument: MSVOA_1

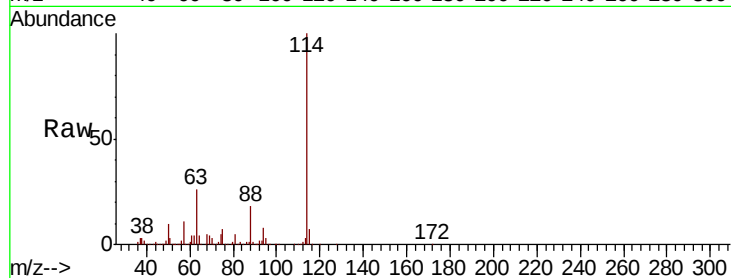
Delta R.T.

Lab File: ClientSampleId:

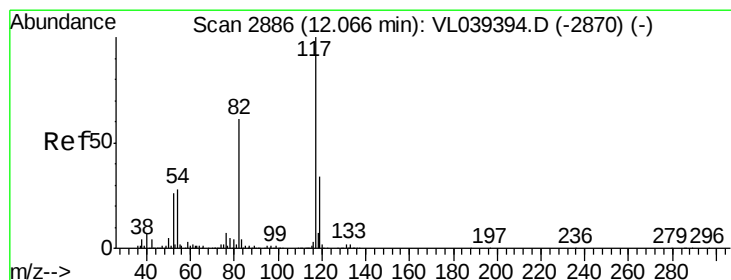
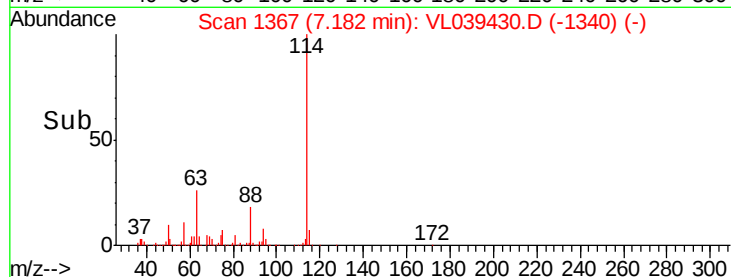
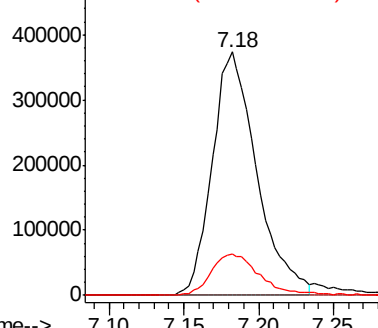
Acq: 5 Jul 2022 22:19

Tot Ion: 63 Resp: 774061

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 Scan# 2894

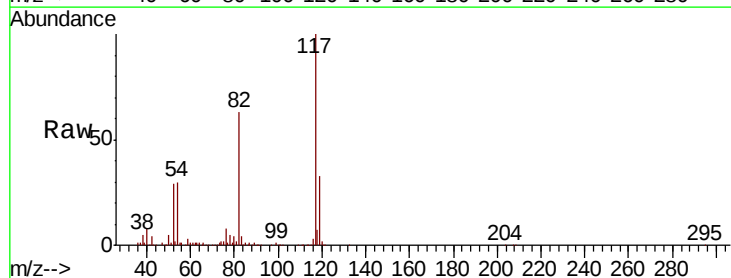
Delta R.T. 0.03 min

Lab File: VL039430.D

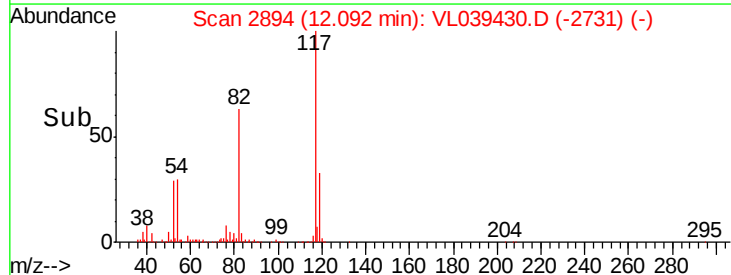
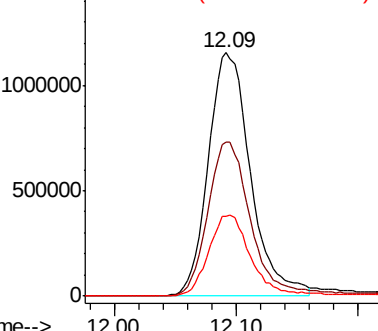
Acq: 5 Jul 2022 22:19

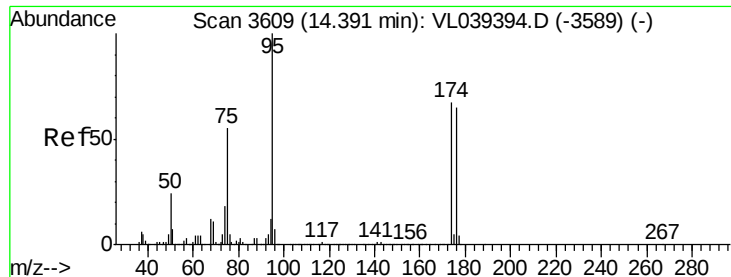
Tgt Ion: 117 Resp: 2761467

Ion	Ratio	Lower	Upper
117	100		
82	66.8	50.8	76.2
119	34.5	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: 9.928 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Jul 2022 22:19

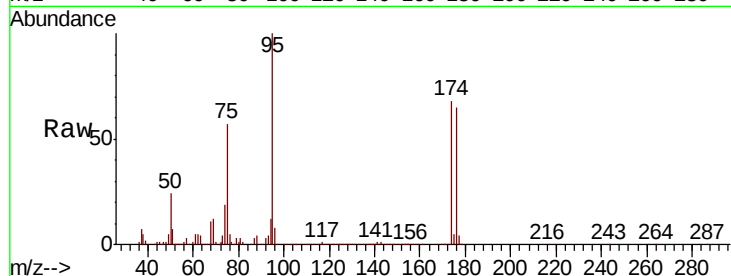
Tot Ion: 95 Resp: 2033939

Ion Ratio Lower Upper

95 100

174 71.7 55.9 83.9

175 5.1 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

