

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039461.D
 Acq On : 12 Jul 2022 23:50
 Operator : SY/AP
 Sample : N3660-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Quant Time: Jul 13 01:40:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1363226	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3762659	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3352687	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2548664	10.25	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

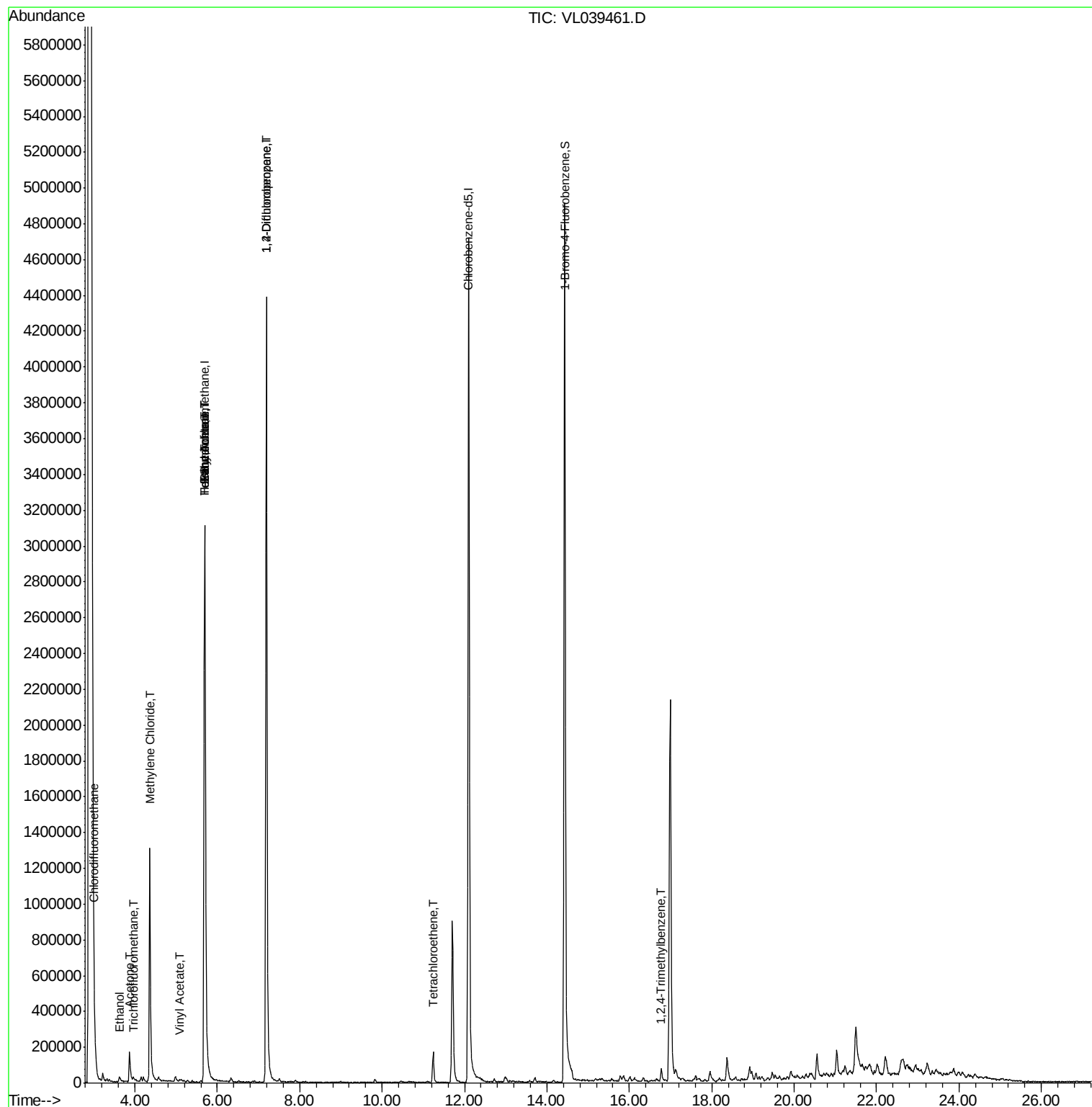
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	7942	0.05	ppbv #	84
11) Trichlorofluoromethane	3.96	101	11791	0.05	ppbv	93
13) Ethanol	3.63	45	31255	6.90	ppbv	78
15) Acetone	3.87	43	227547	1.41	ppbv	94
20) Methylene Chloride	4.36	84	538610	8.38	ppbv	94
23) Vinyl Acetate	5.09	43	3953	0.04	ppbv #	83
25) Ethyl Acetate	5.70	43	576007	1.74	ppbv #	76
26) Hexane	5.71	57	865941	6.50	ppbv #	37
34) 2-Butanone	5.70	43	567073	2.99	ppbv #	53
39) 1,2-Dichloropropane	7.19	63	908744	8.35	ppbv #	25
41) Tetrahydrofuran	5.71	42	302840	2.76	ppbv #	49
52) Tetrachloroethene	11.24	164	27698	0.24	ppbv	94
74) 1,2,4-Trimethylbenzene	16.78	105	47236	0.11	ppbv #	76

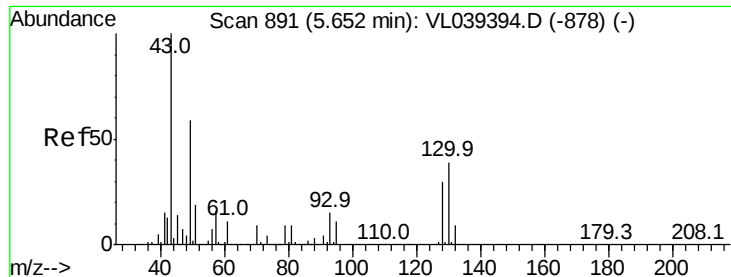
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 01:40:40 2022
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 23:50 SG-1DL

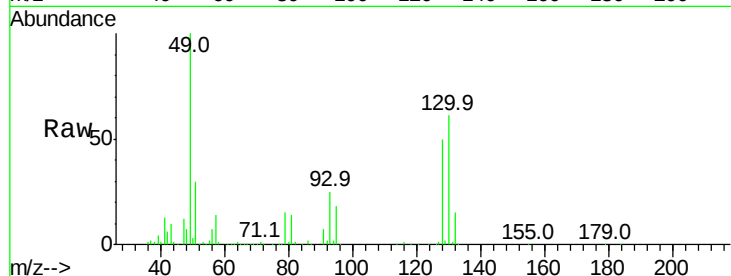
Tgt Ion: 49 Resp: 1363226

Ion Ratio Lower Upper

49 100

128 52.2 26.7 80.0

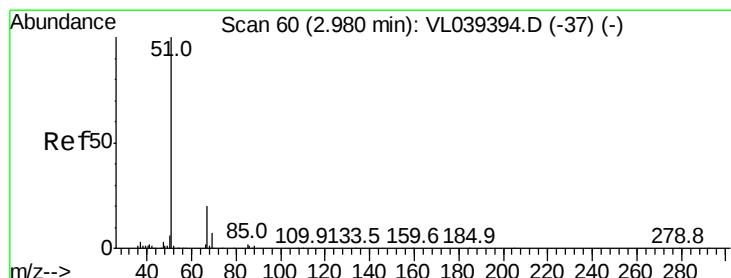
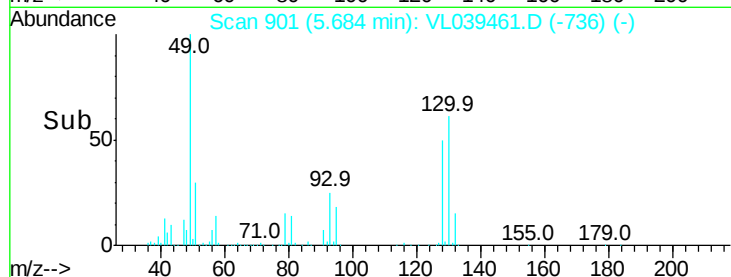
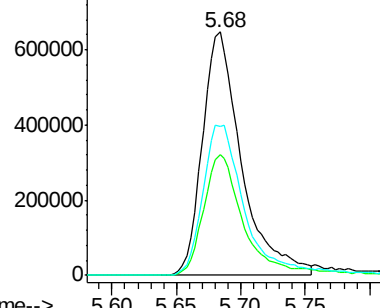
130 68.2 34.3 102.8



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



#3

Chlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.03 min

Lab File: VL039461.D

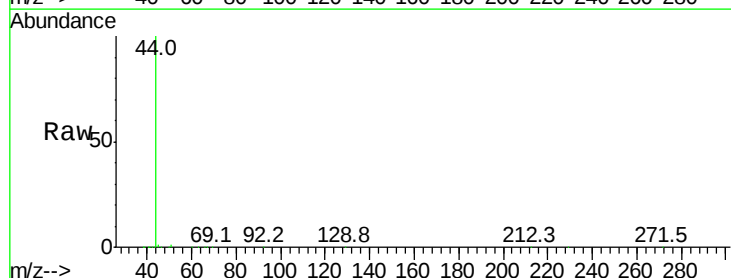
Acq: 12 Jul 2022 23:50

Tgt Ion: 51 Resp: 7942

Ion Ratio Lower Upper

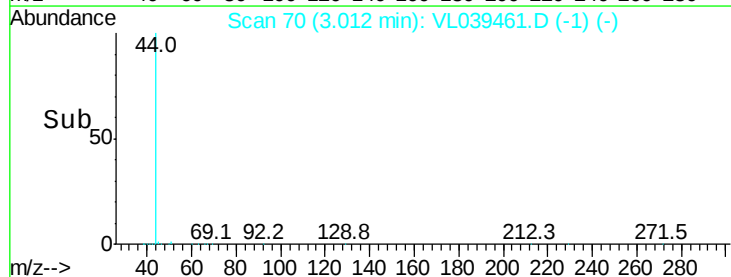
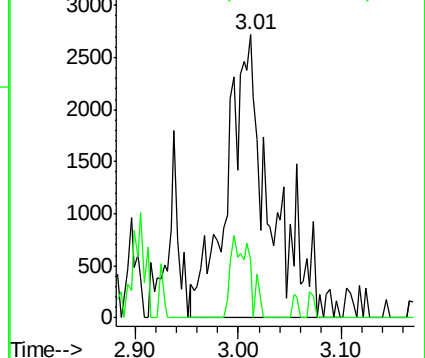
51 100

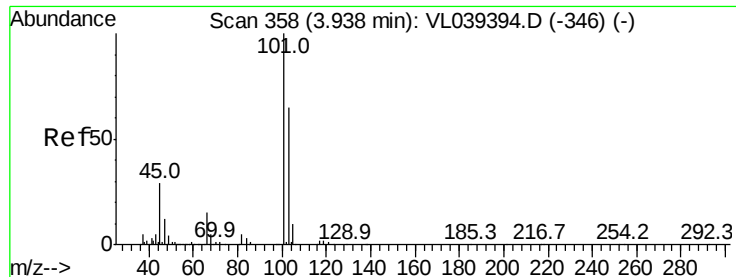
67 12.5 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

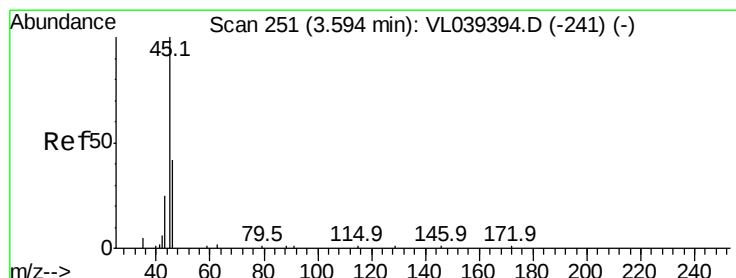
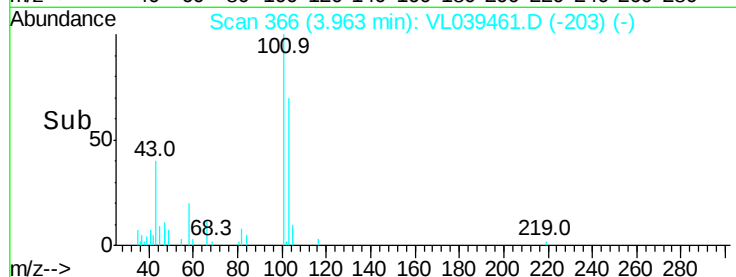
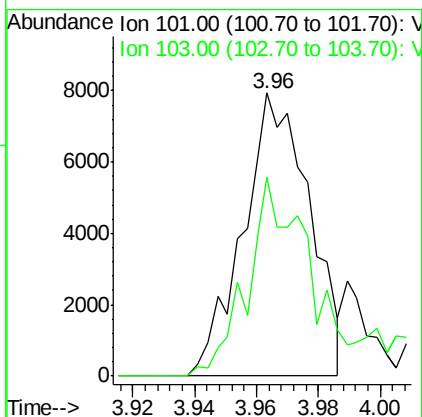
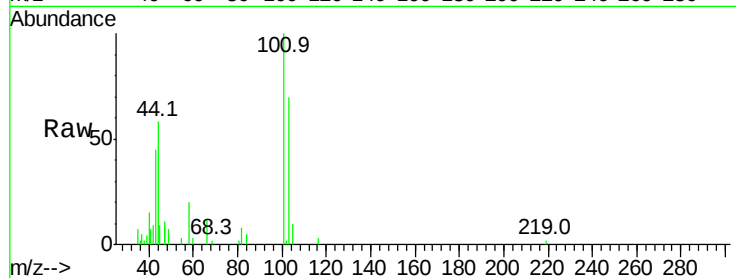
Ion 67.00 (66.70 to 67.70): VL0





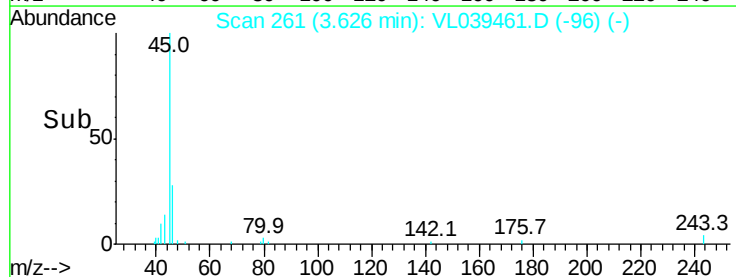
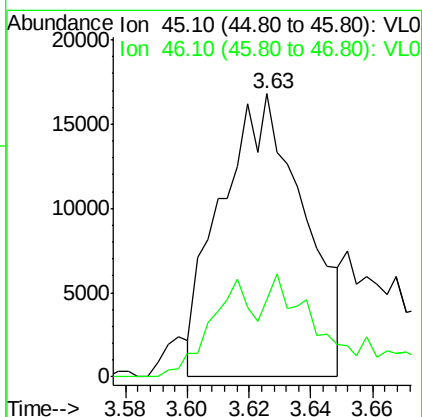
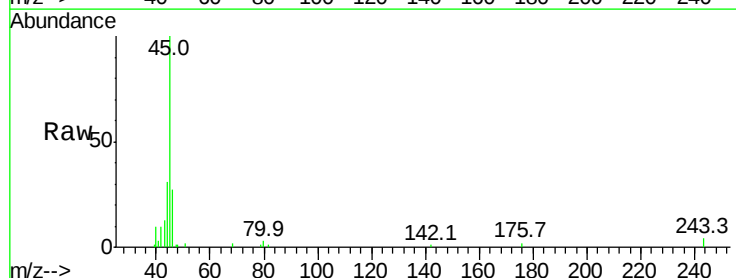
#11
 Trichlorofluoromethane
 Concen: 0.05 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 12 Jul 2022 23:50

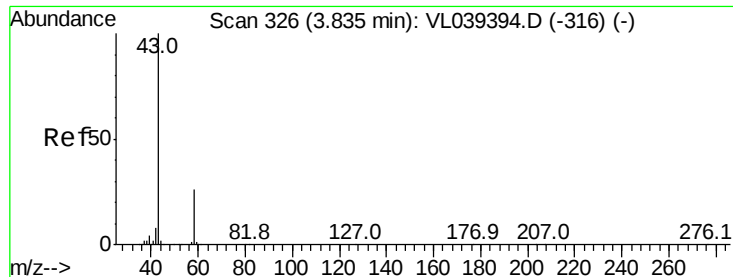
Tgt Ion: 101 Resp: 11791
 Ion Ratio Lower Upper
 101 100
 103 70.4 51.8 77.8



#13
 Ethanol
 Concen: 6.90 ppbv
 RT: 3.63 min Scan# 261
 Delta R.T.: 0.03 min
 Lab File: VL039461.D
 Acq: 12 Jul 2022 23:50

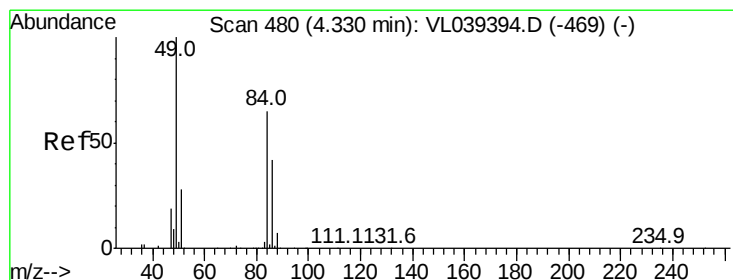
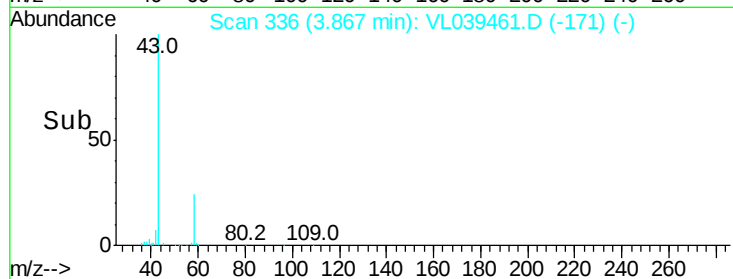
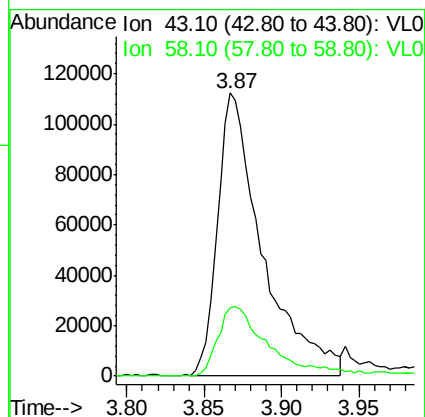
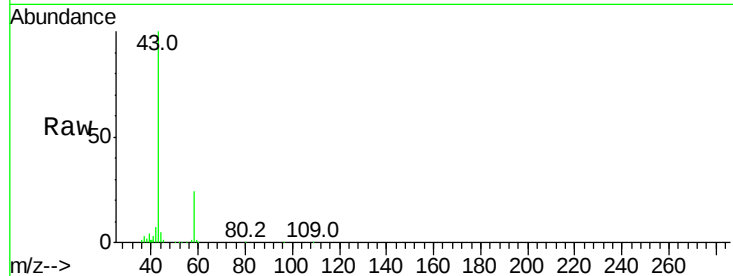
Tgt Ion: 45 Resp: 31255
 Ion Ratio Lower Upper
 45 100
 46 40.7 22.8 91.2





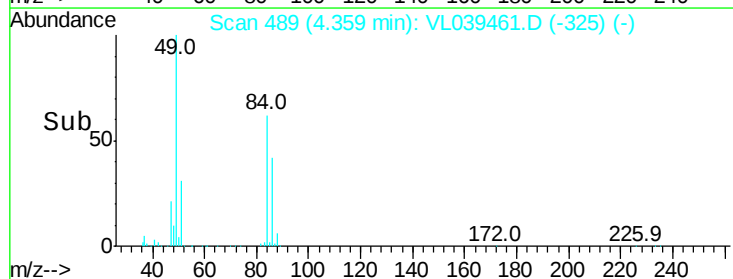
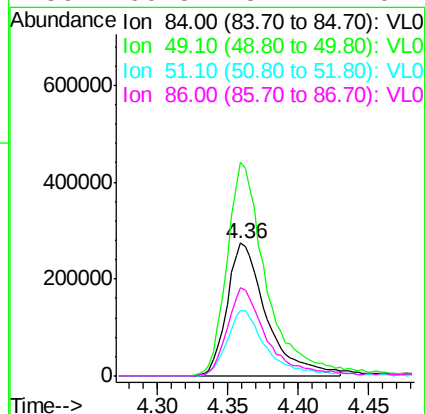
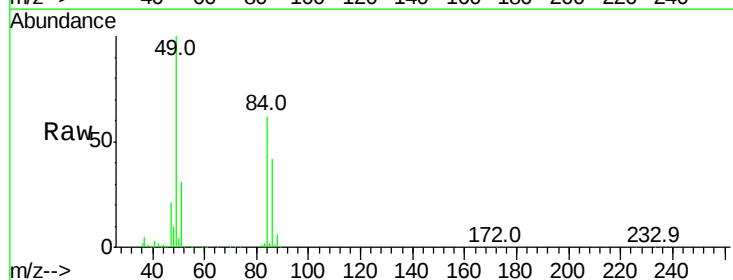
#15
Acetone
Concen: 1.41 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 23:50

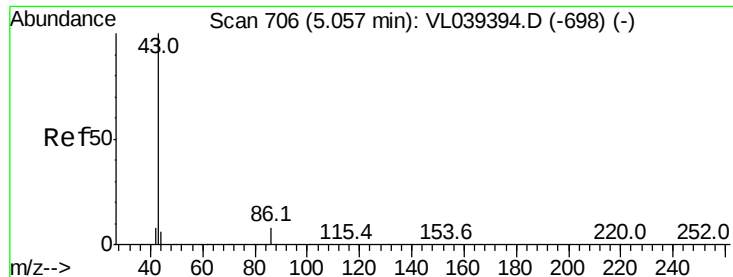
Tgt Ion: 43 Resp: 227547
Ion Ratio Lower Upper
43 100
58 29.2 21.0 31.6



#20
Methylene Chloride
Concen: 8.38 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.03 min
Lab File: VL039461.D
Acq: 12 Jul 2022 23:50

Tgt Ion: 84 Resp: 538610
Ion Ratio Lower Upper
84 100
49 160.7 123.1 184.7
51 49.0 34.4 51.6
86 66.8 51.1 76.7





#23

Vinyl Acetate

Concen: 0.04 ppbv

RT: 5.09 Instrument: MSVOA_1

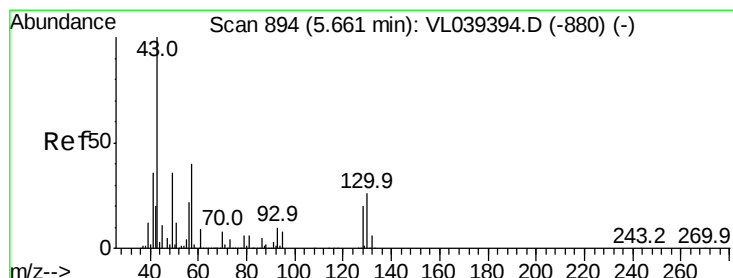
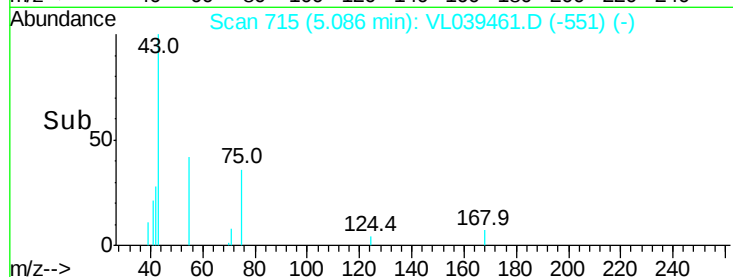
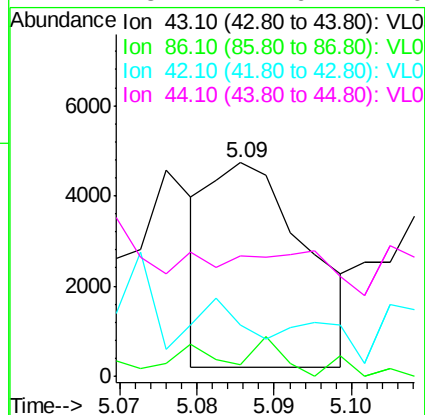
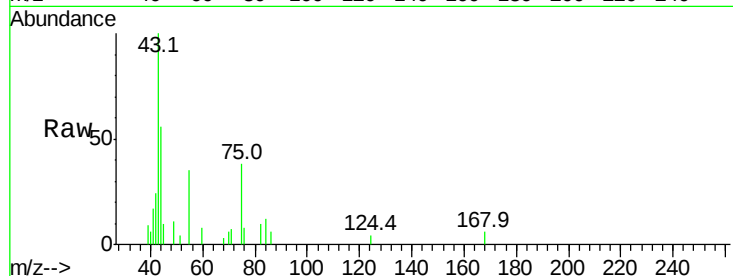
Delta R.T.

Lab File: ClientSampleId :

Acq: 12 Jul 2022 23:50

Tgt Ion: 43 Resp: 3953

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	0.0	7.7	11.5#
44	5.7	4.6	7.0



#25

Ethyl Acetate

Concen: 1.74 ppbv

RT: 5.70 min Scan# 907

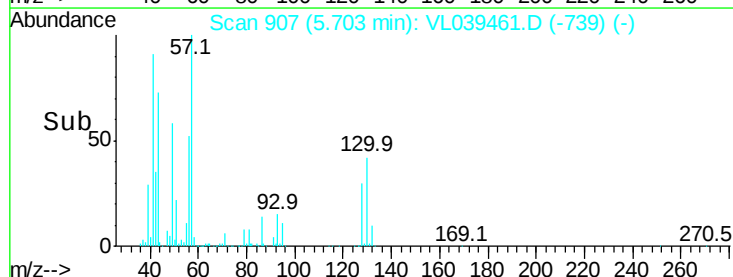
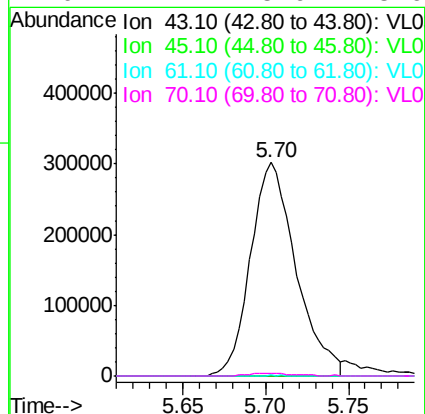
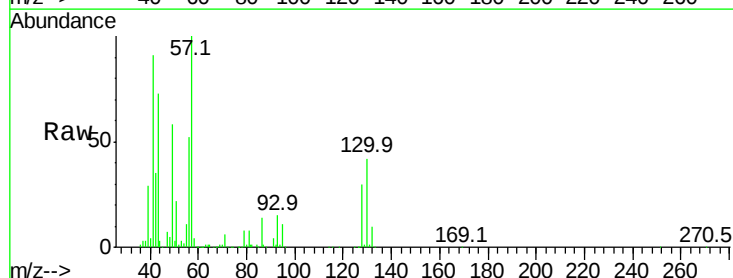
Delta R.T. 0.04 min

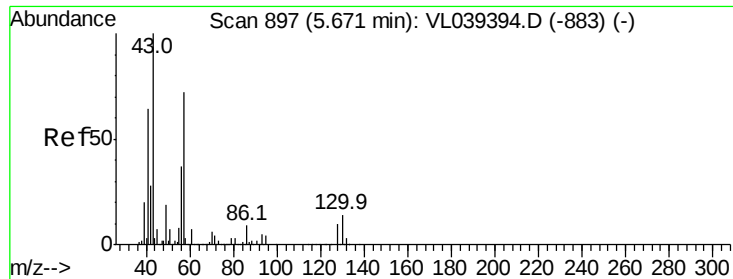
Lab File: VL039461.D

Acq: 12 Jul 2022 23:50

Tgt Ion: 43 Resp: 576007

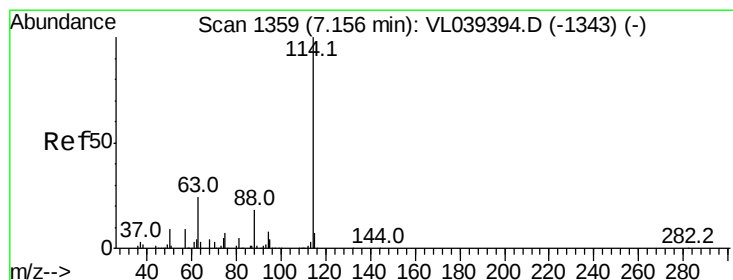
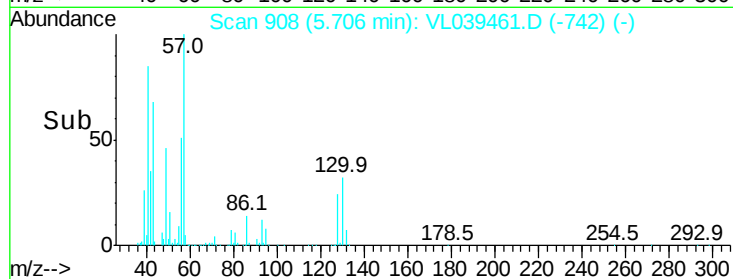
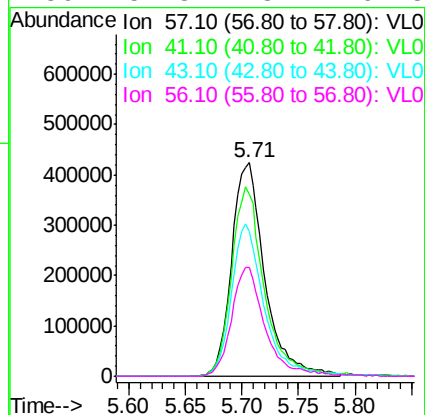
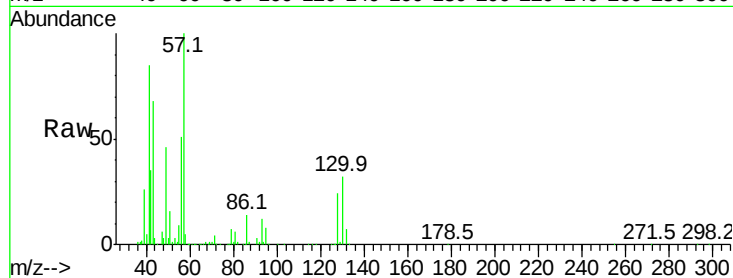
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.4#
61	0.2	8.3	12.5#
70	1.4	5.9	8.9#





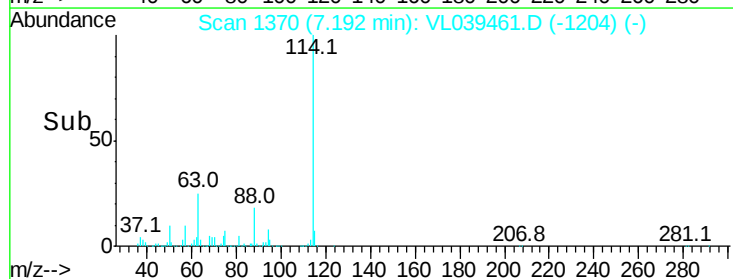
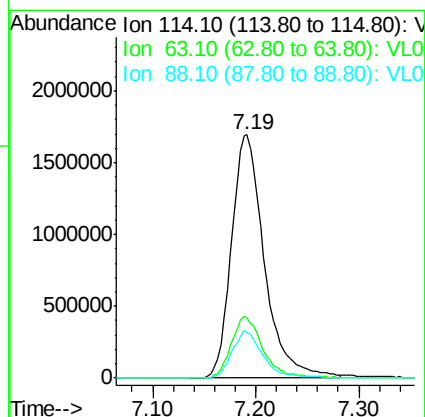
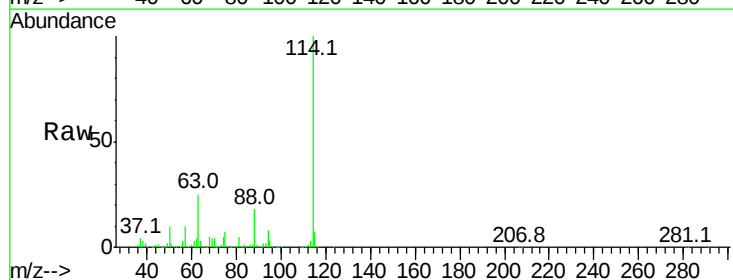
#26
Hexane
Concen: 6.50 ppbv
RT: 5.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 23:50

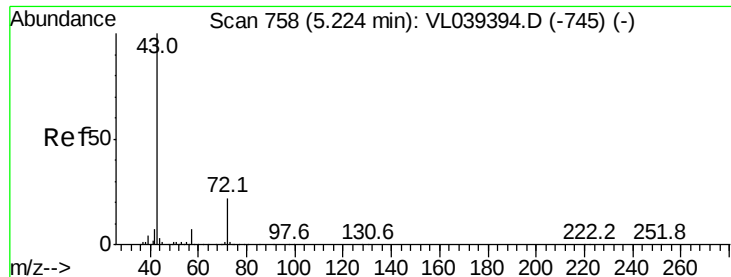
Tgt Ion:	57	Resp:	865941
Ion	Ratio	Lower	Upper
57	100		
41	88.5	76.9	115.3
43	70.3	191.0	286.6#
56	51.8	43.2	64.8



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.04 min
Lab File: VL039461.D
Acq: 12 Jul 2022 23:50

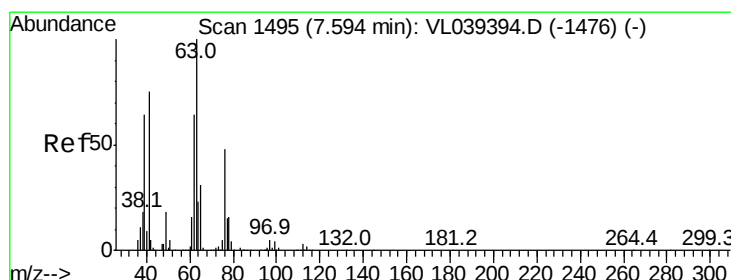
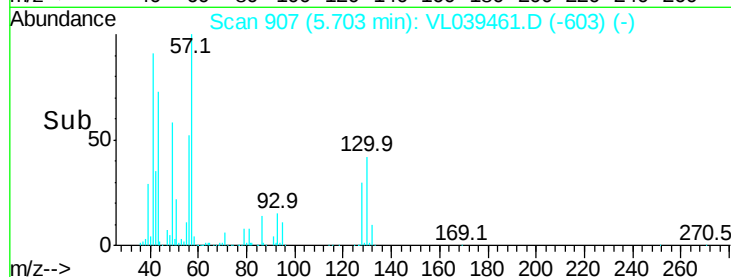
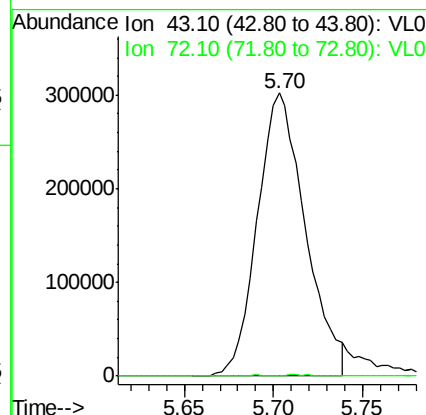
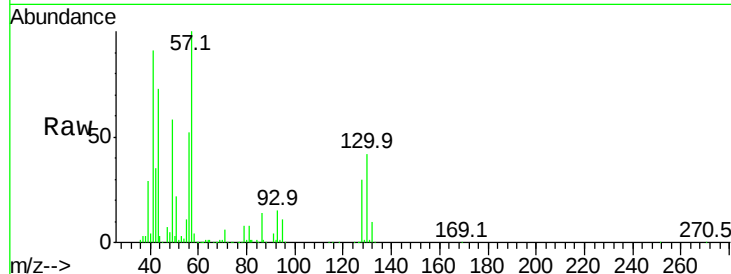
Tgt Ion:	114	Resp:	3762659
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.6	14.5	21.7





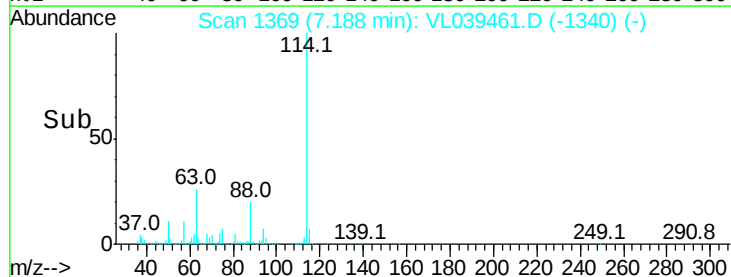
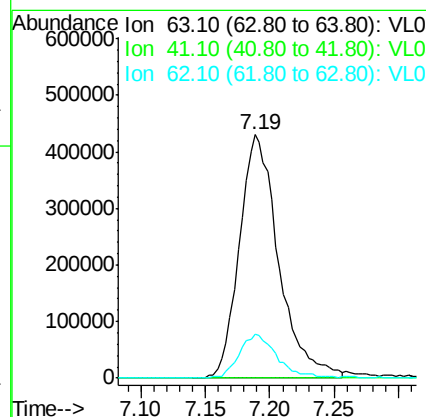
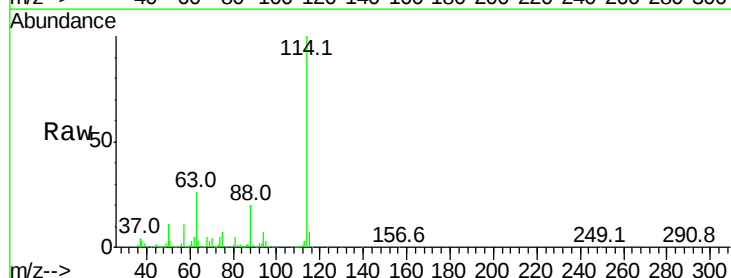
#34
 2-Butanone
 Concen: 2.99 ppbv
 RT: 5.70
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 23:50

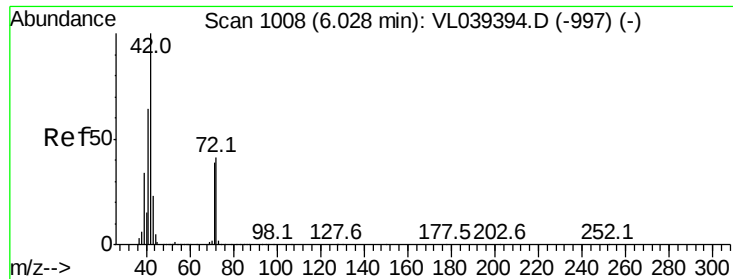
Tgt Ion: 43 Resp: 567073
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.9 26.9#



#39
 1,2-Dichloropropane
 Concen: 8.35 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.41 min
 Lab File: VL039461.D
 Acq: 12 Jul 2022 23:50

Tgt Ion: 63 Resp: 908744
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.6 89.4#
 62 17.9 51.4 77.0#





#41

Tetrahydrofuran

Concen: 2.76 ppbv

RT: 5.71 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 23:50

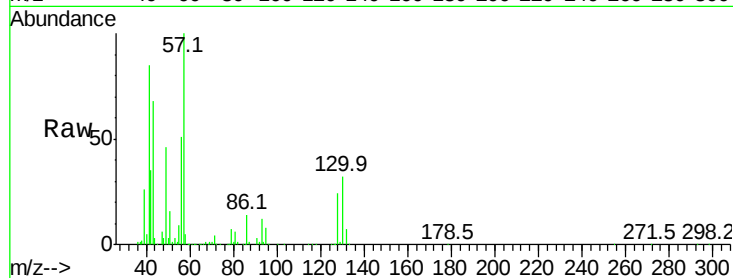
Tgt Ion: 42 Resp: 302840

Ion Ratio Lower Upper

42 100

72 1.1 31.8 47.8#

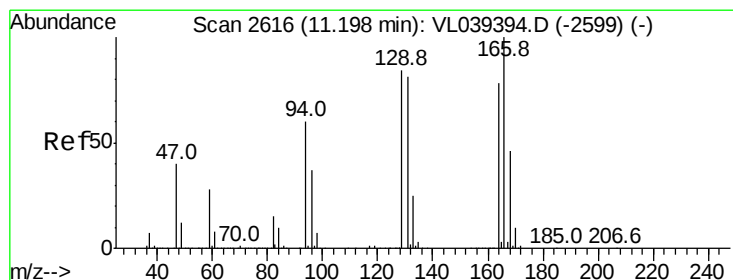
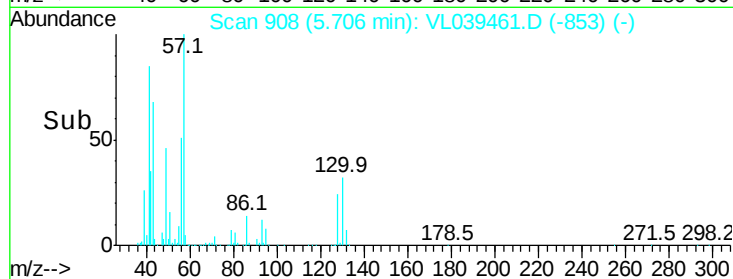
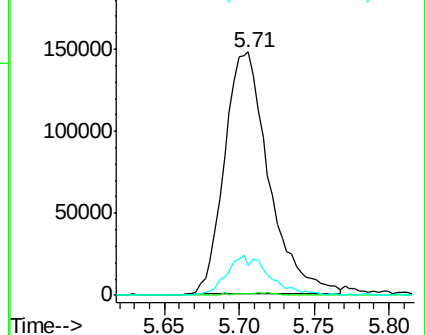
71 16.2 31.8 47.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#52

Tetrachloroethene

Concen: 0.24 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.04 min

Lab File: VL039461.D

Acq: 12 Jul 2022 23:50

Tgt Ion: 164 Resp: 27698

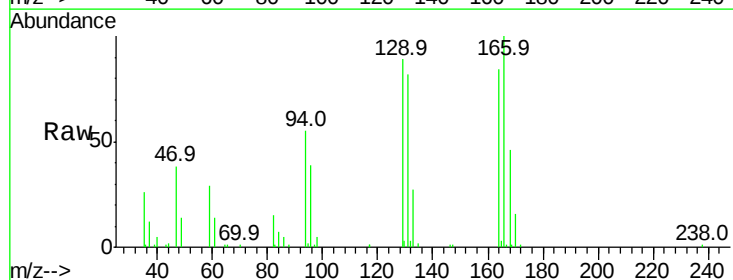
Ion Ratio Lower Upper

164 100

166 118.7 102.2 153.2

129 109.3 85.8 128.8

131 97.4 83.3 124.9

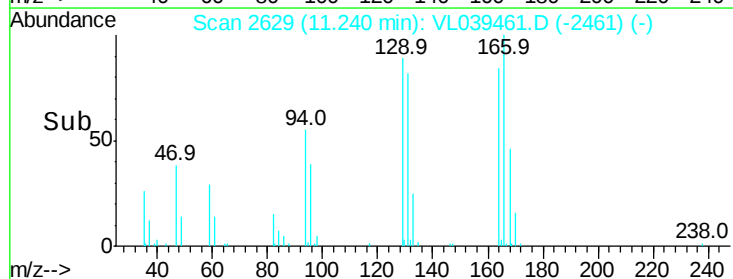
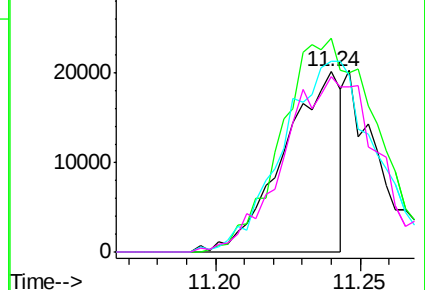


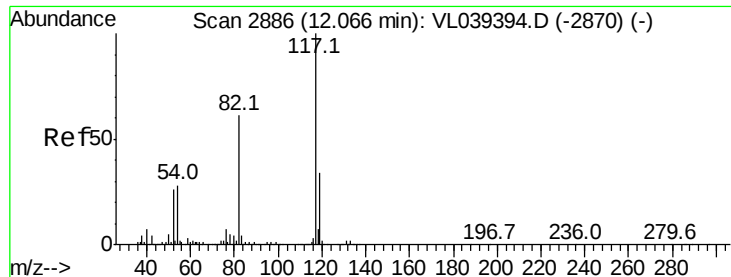
Abundance Ion 163.90 (163.60 to 164.60): V

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

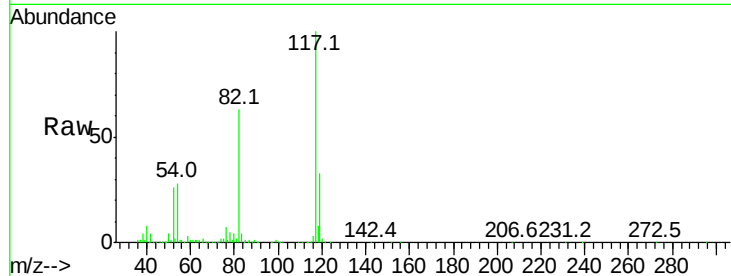




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId : SG-1DL
Acq: 12 Jul 2022 23:50

Tgt Ion: 117 Resp: 3352687

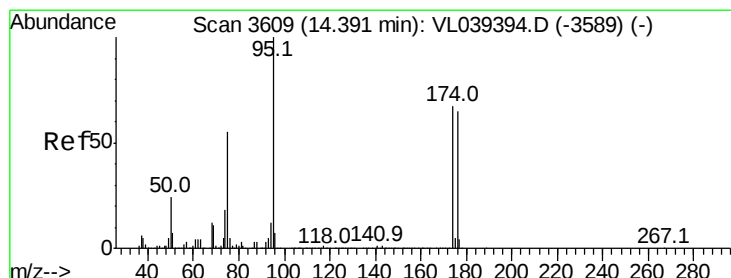
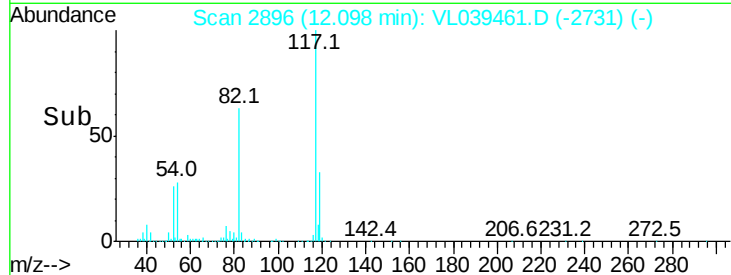
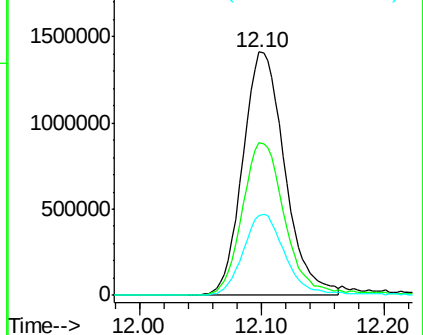
Ion	Ratio	Lower	Upper
117	100		
82	65.4	50.8	76.2
119	33.9	24.1	36.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

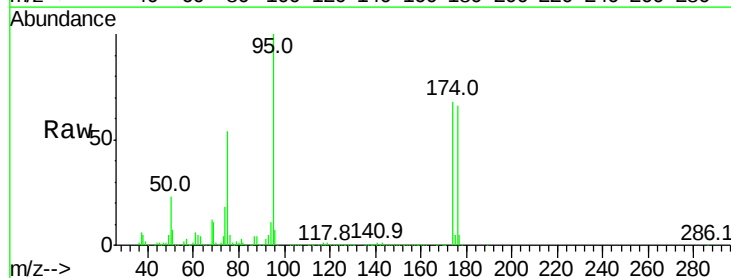
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.25 ppbv
RT: 14.43 min Scan# 3621
Delta R.T.: 0.04 min
Lab File: VL039461.D
Acq: 12 Jul 2022 23:50

Tgt Ion: 95 Resp: 2548664

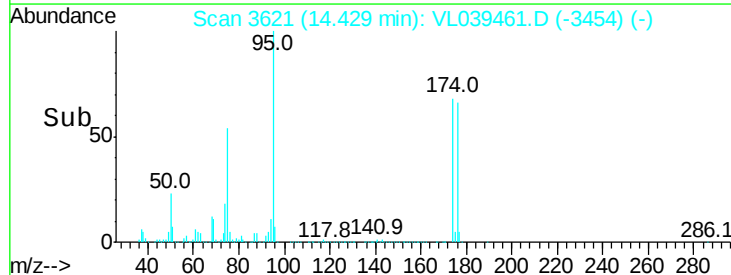
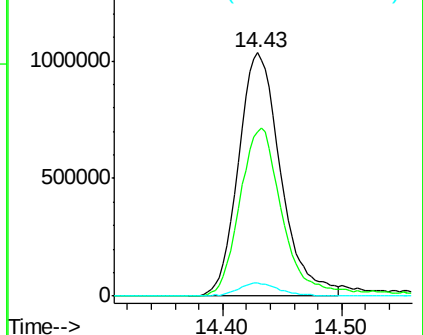
Ion	Ratio	Lower	Upper
95	100		
174	72.9	55.9	83.9
175	5.3	4.2	6.4

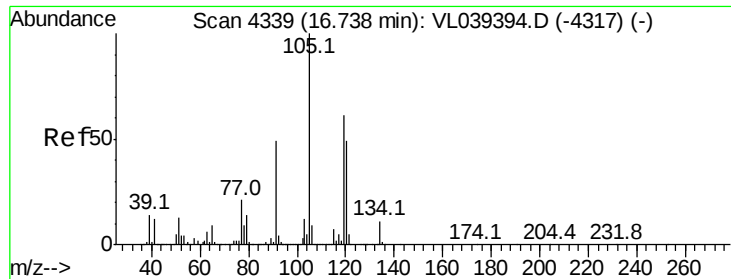


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.11 ppbv
 RT: 16.78
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 23:50

Tgt Ion:	105	Resp:	47236
Ion Ratio	Lower	Upper	
105	100		
120	42.3	39.5	59.3
91	18.9	39.2	58.8#
77	15.7	17.2	25.8#

