

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039449.D
 Acq On : 12 Jul 2022 15:13
 Operator : SY/AP
 Sample : N3614-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18EDL

Quant Time: Jul 13 01:33:07 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	5.69	49	1351408	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3751357	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3333866	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2561850	10.36	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

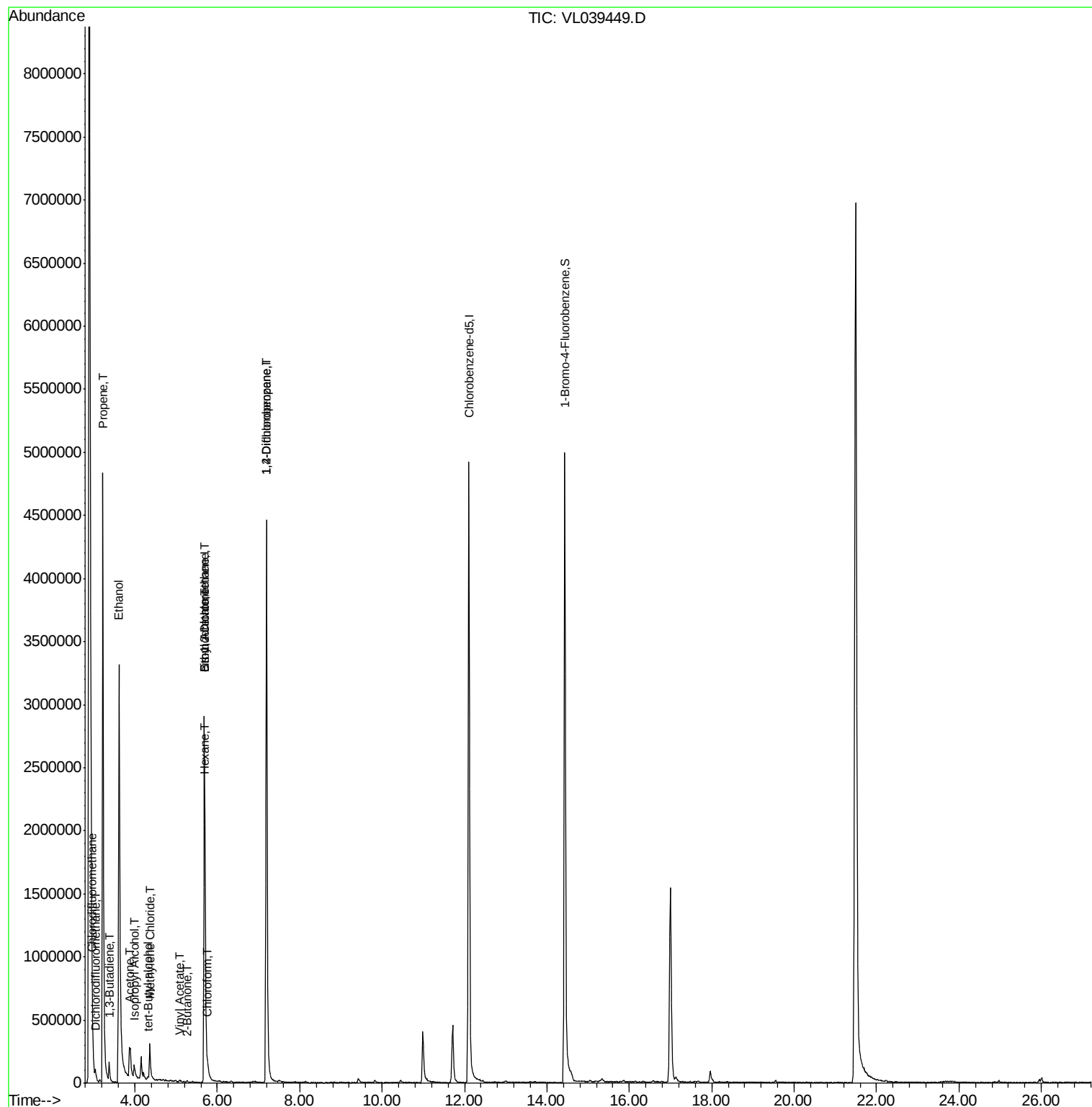
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	12749	0.07	ppbv	99
3) Chlorodifluoromethane	2.97	51	22655	0.13	ppbv #	73
9) Propene	3.22	41	1917322	24.76	ppbv	92
13) Ethanol	3.61	45	4717022	1050.04	ppbv	73
15) Acetone	3.87	43	331192	2.07	ppbv	96
16) 1,3-Butadiene	3.38	39	15839	0.19	ppbv #	21
17) tert-Butyl alcohol	4.32	59	13131	0.10	ppbv #	83
19) Isopropyl Alcohol	3.98	45	87081	1.02	ppbv #	84
20) Methylene Chloride	4.36	84	102654	1.61	ppbv	96
23) Vinyl Acetate	5.09	43	3301	0.03	ppbv #	54
25) Ethyl Acetate	5.69	43	531937	1.62	ppbv	98
26) Hexane	5.71	57	172260	1.30	ppbv #	69
29) Chloroform	5.77	83	27496	0.12	ppbv	91
31) cis-1,2-Dichloroethene	5.69	61	29187	0.21	ppbv #	25
34) 2-Butanone	5.27	43	9560	0.05	ppbv #	44
39) 1,2-Dichloropropane	7.19	63	913324	8.42	ppbv #	25

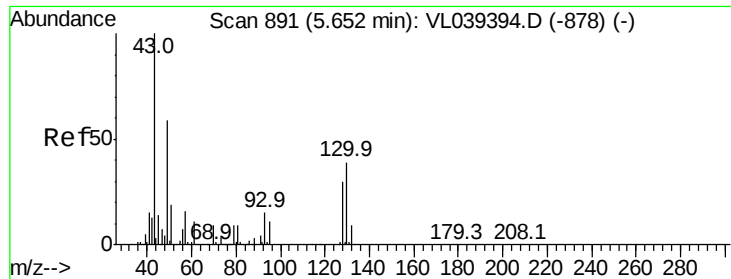
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 15:13

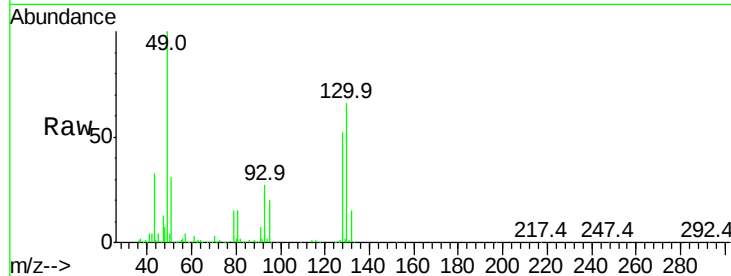
Tgt Ion: 49 Resp: 1351408

Ion Ratio Lower Upper

49 100

128 55.0 26.7 80.0

130 69.8 34.3 102.8



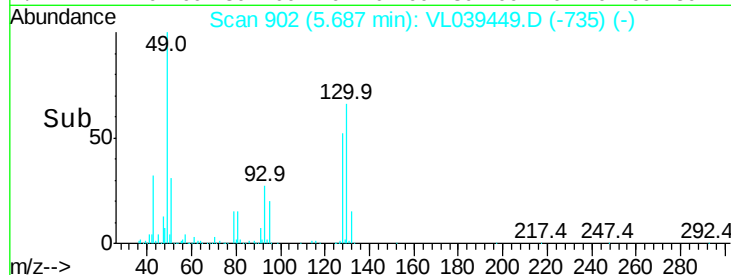
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

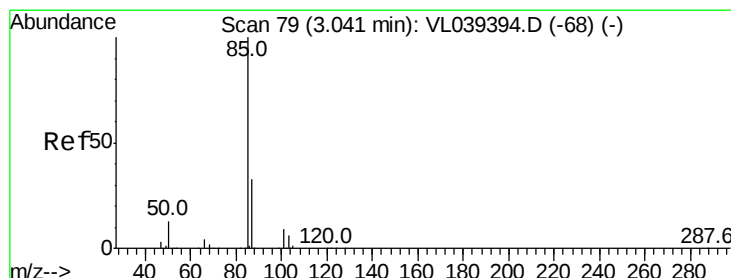
Ion 130.00 (129.70 to 130.70): VL0

5.69

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 0.07 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039449.D

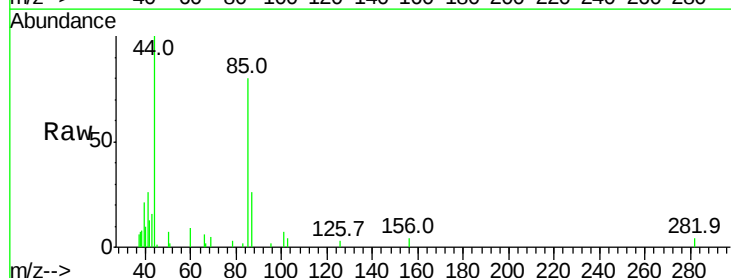
Acq: 12 Jul 2022 15:13

Tgt Ion: 85 Resp: 12749

Ion Ratio Lower Upper

85 100

87 32.6 26.7 40.1

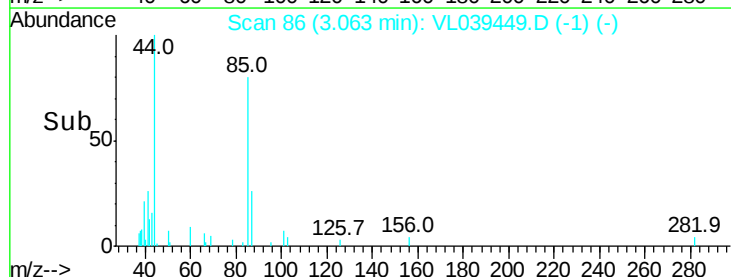


Abundance Ion 85.00 (84.70 to 85.70): VL0

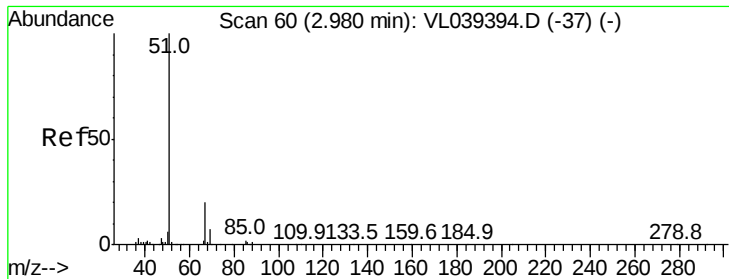
Ion 87.00 (86.70 to 87.70): VL0

3.06

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

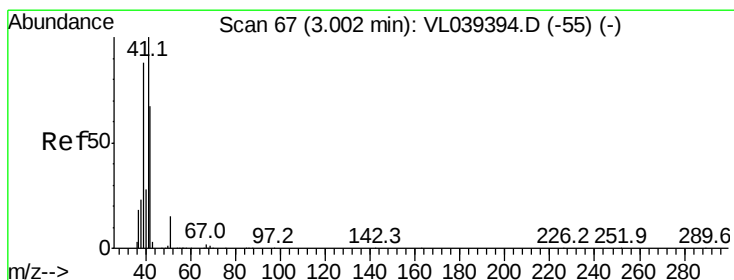
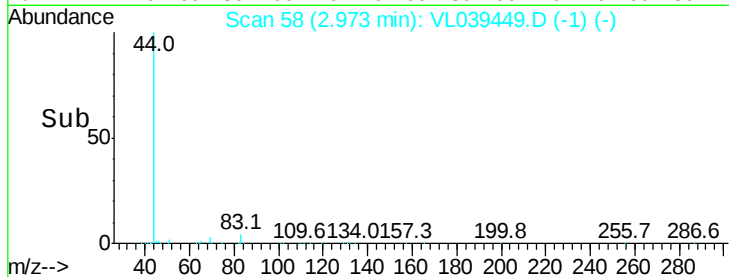
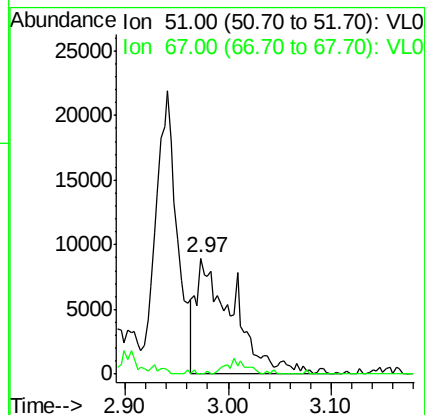
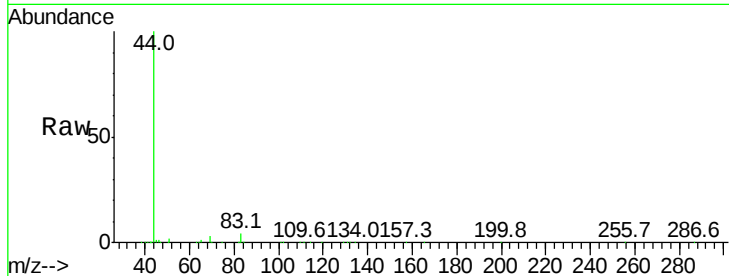
Acq: 12 Jul 2022 15:13

Tgt Ion: 51 Resp: 22655

Ion Ratio Lower Upper

51 100

67 7.1 15.7 23.5#



#9

Propene

Concen: 24.76 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.22 min

Lab File: VL039449.D

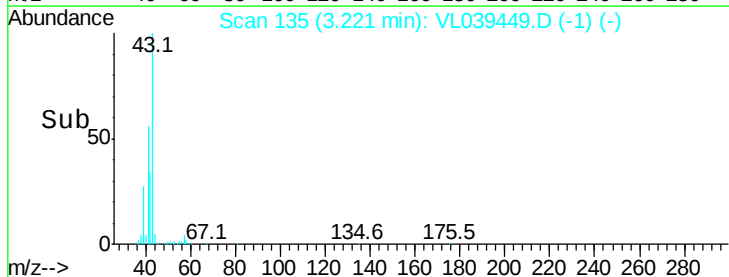
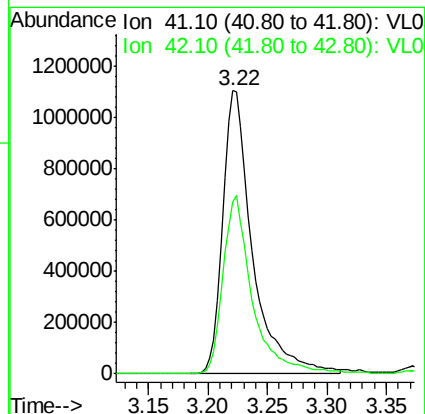
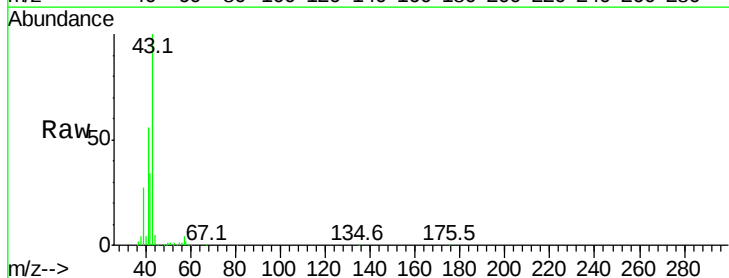
Acq: 12 Jul 2022 15:13

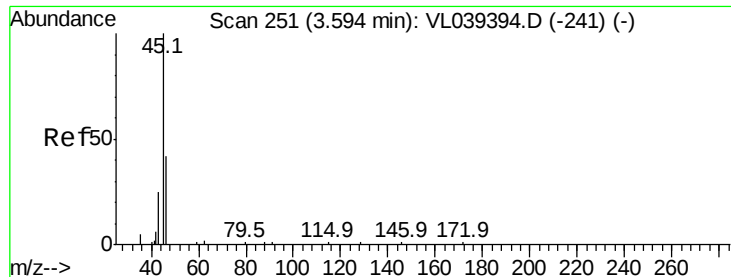
Tgt Ion: 41 Resp: 1917322

Ion Ratio Lower Upper

41 100

42 62.6 55.2 82.8

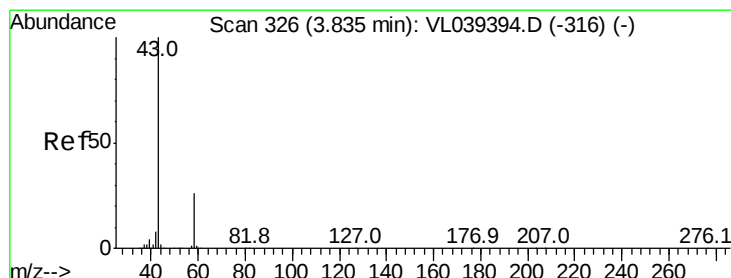
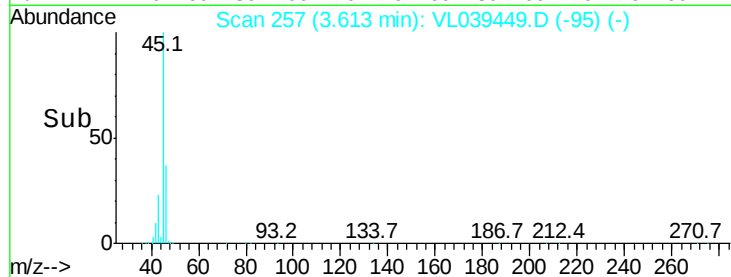
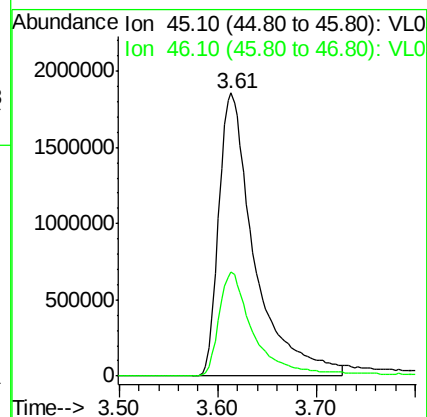
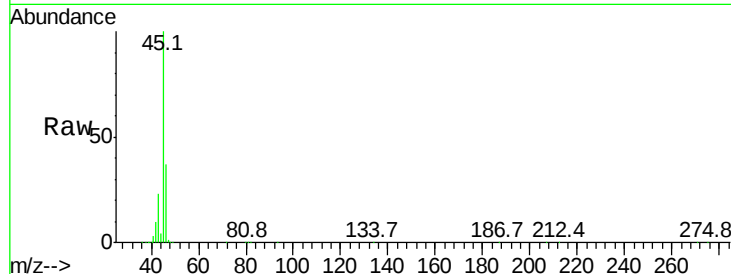




#13
Ethanol
Concen: 1050.04 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 15:13

Tgt Ion: 45 Resp: 4717022

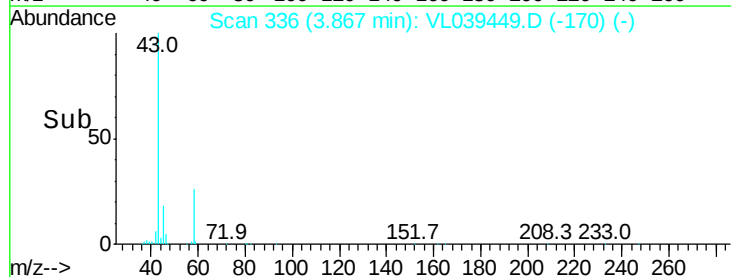
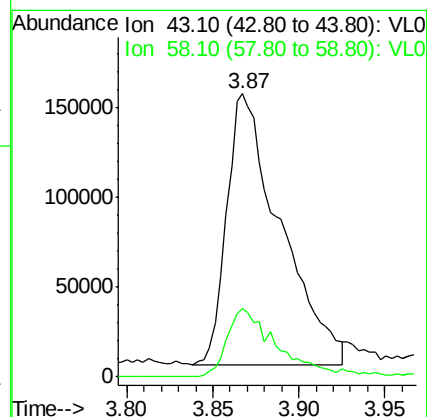
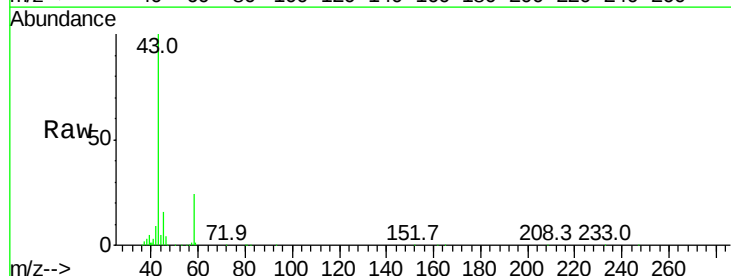
Ion	Ratio	Lower	Upper
45	100		
46	37.3	22.8	91.2

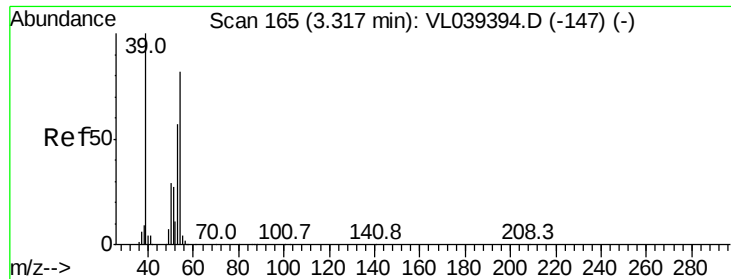


#15
Acetone
Concen: 2.07 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL039449.D
Acq: 12 Jul 2022 15:13

Tgt Ion: 43 Resp: 331192

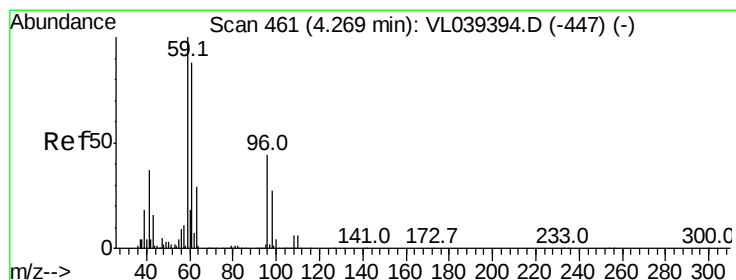
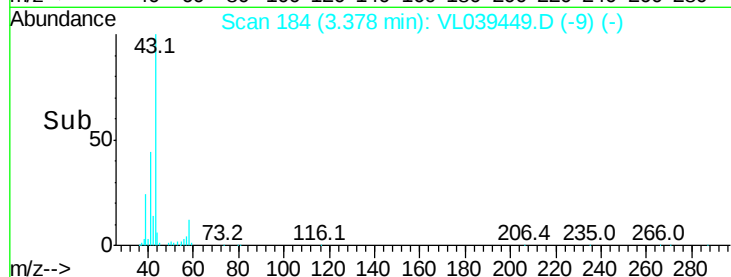
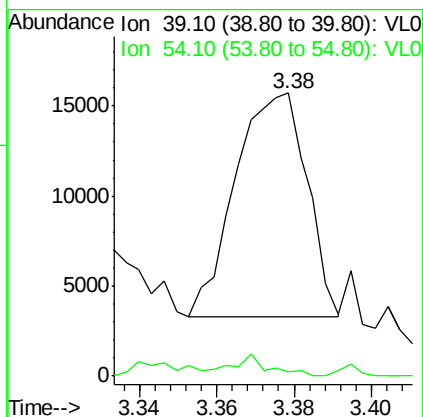
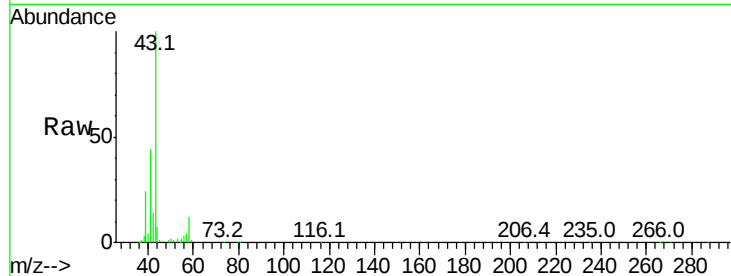
Ion	Ratio	Lower	Upper
43	100		
58	24.0	21.0	31.6





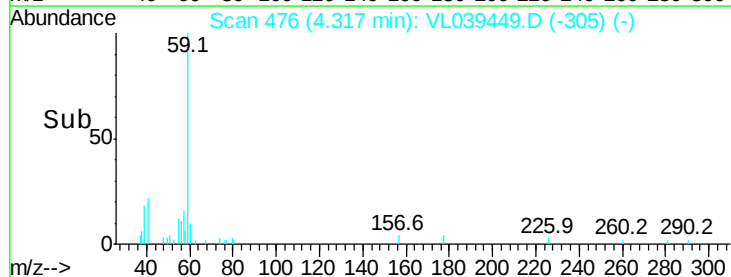
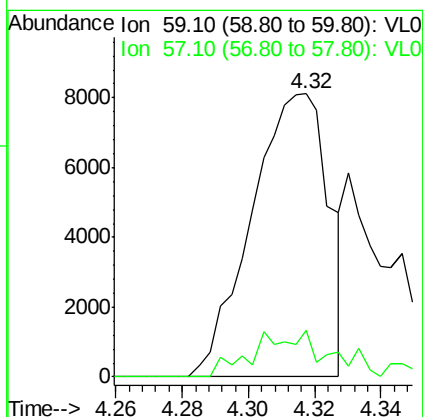
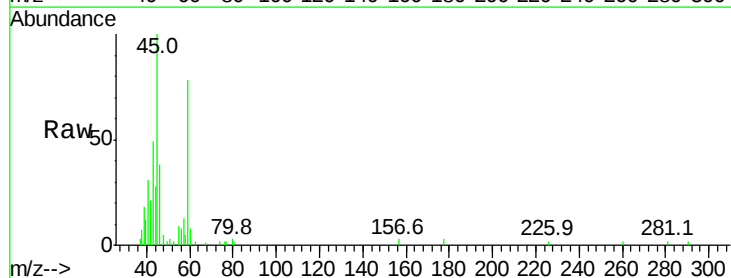
#16
1,3-Butadiene
Concen: 0.19 ppbv
RT: 3.38
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 15:13

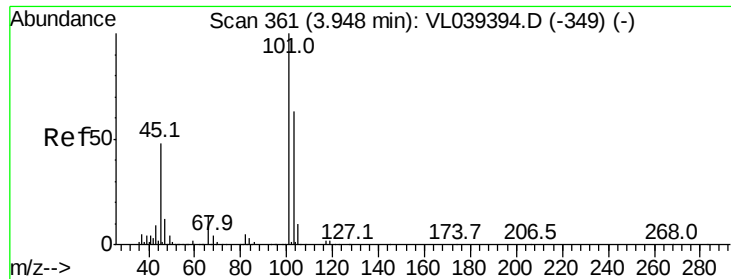
Tgt Ion: 39 Resp: 15839
Ion Ratio Lower Upper
39 100
54 9.9 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 0.10 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.05 min
Lab File: VL039449.D
Acq: 12 Jul 2022 15:13

Tgt Ion: 59 Resp: 13131
Ion Ratio Lower Upper
59 100
57 17.4 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 1.02 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

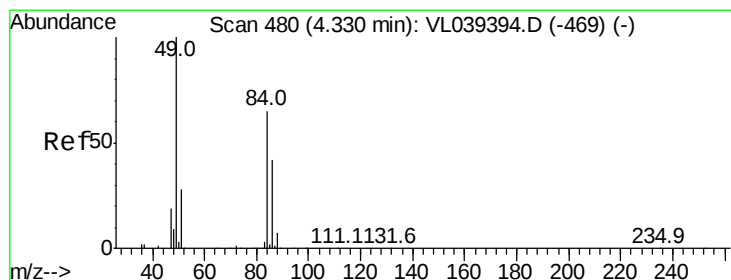
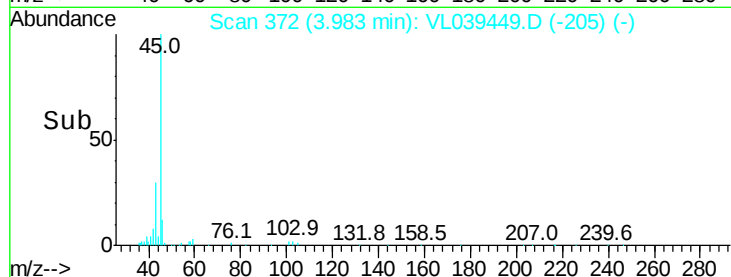
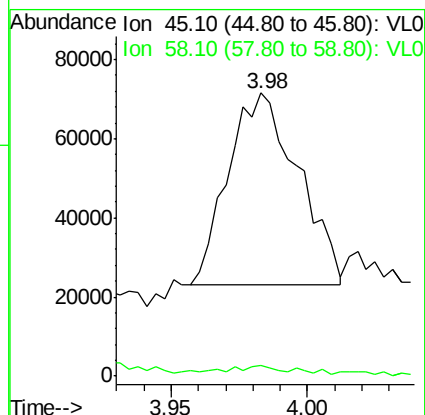
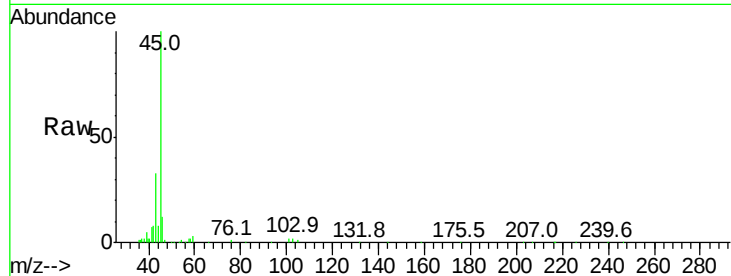
Acq: 12 Jul 2022 15:13

Tgt Ion: 45 Resp: 87081

Ion Ratio Lower Upper

45 100

58 9.1 3.2 4.8#



#20

Methylene Chloride

Concen: 1.61 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.03 min

Lab File: VL039449.D

Acq: 12 Jul 2022 15:13

Tgt Ion: 84 Resp: 102654

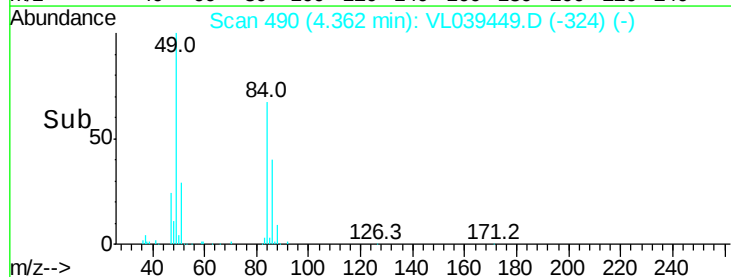
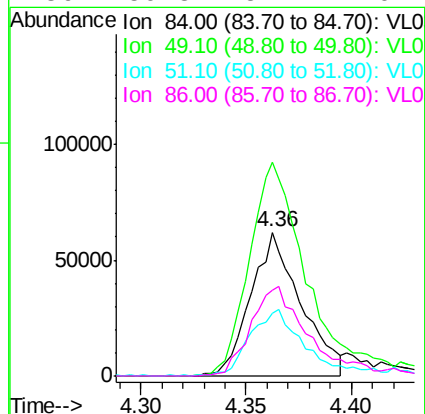
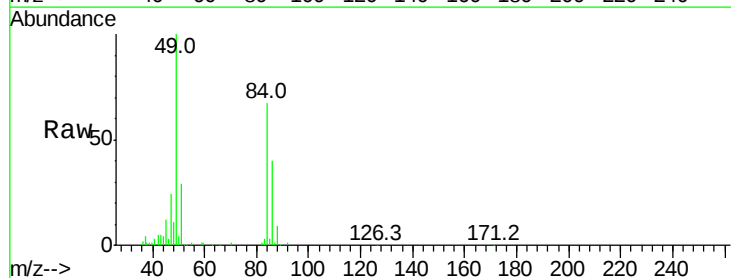
Ion Ratio Lower Upper

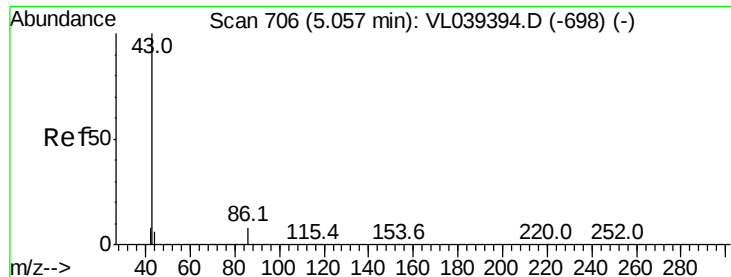
84 100

49 148.6 123.1 184.7

51 43.6 34.4 51.6

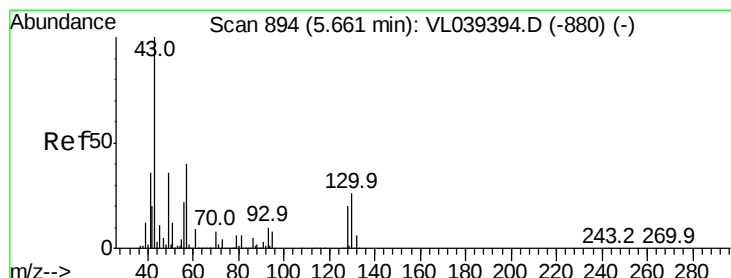
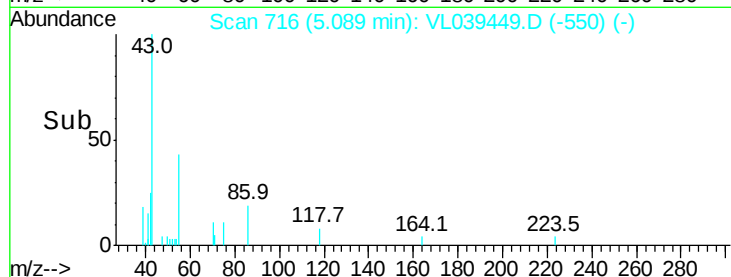
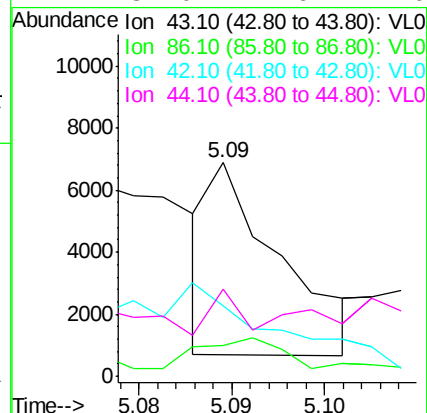
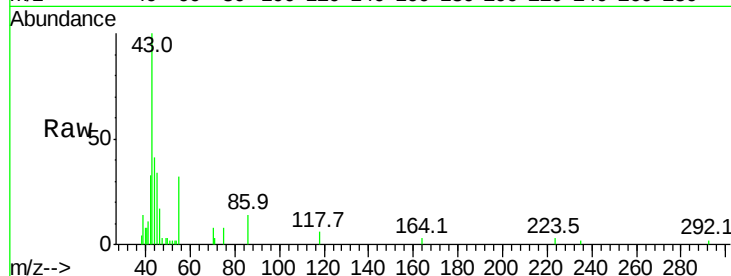
86 59.8 51.1 76.7





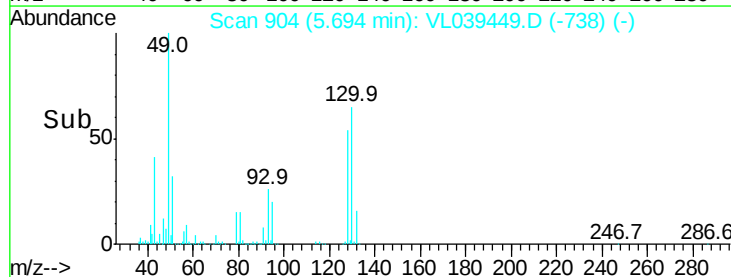
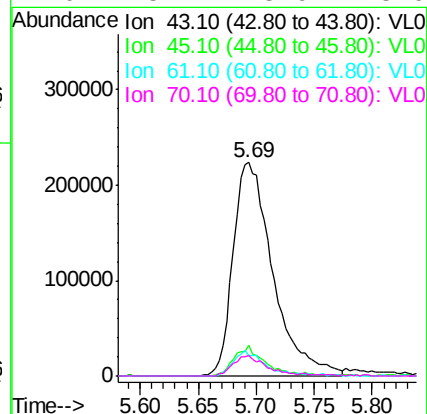
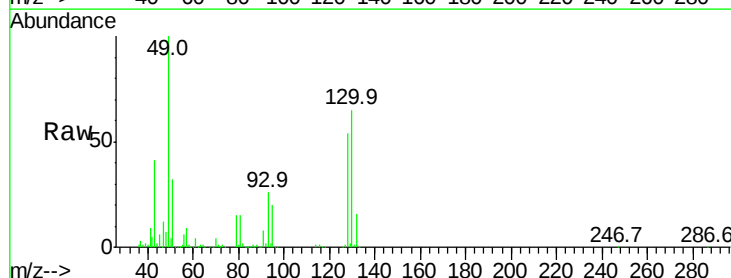
#23
 Vinyl Acetate
 Concen: 0.03 ppbv
 RT: 5.09
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 15:13

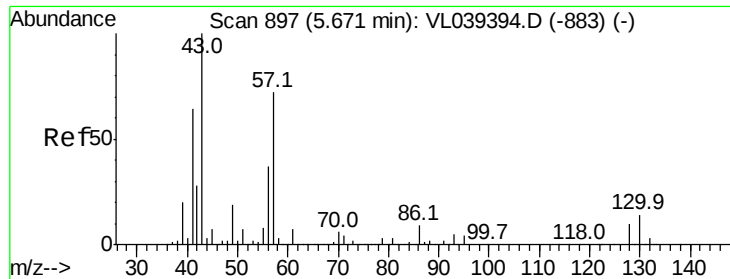
Tgt Ion:	43	Resp:	3301
Ion	Ratio	Lower	Upper
43	100		
86	13.1	5.0	7.6#
42	24.6	7.7	11.5#
44	34.0	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 1.62 ppbv
 RT: 5.69 min Scan# 904
 Delta R.T. 0.03 min
 Lab File: VL039449.D
 Acq: 12 Jul 2022 15:13

Tgt Ion:	43	Resp:	531937
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.2	12.4
61	9.8	8.3	12.5
70	8.7	5.9	8.9





#26

Hexane

Concen: 1.30 ppbv

RT: 5.71 Instrument:

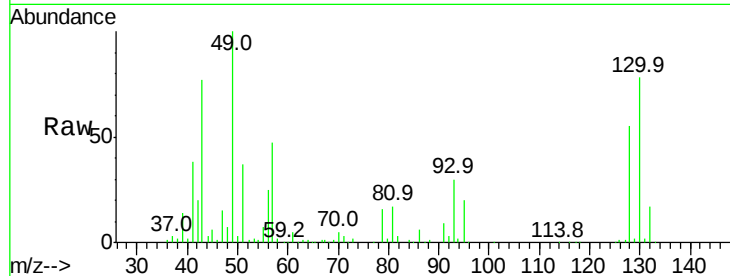
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 15:13

Tgt Ion: 57 Resp: 172260

Ion	Ratio	Lower	Upper
57	100		
41	97.5	76.9	115.3
43	321.5	191.0	286.6#
56	57.3	43.2	64.8

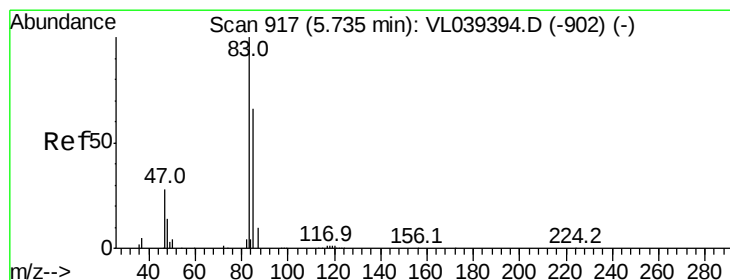
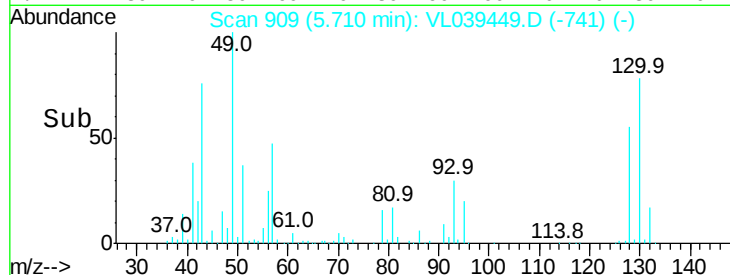
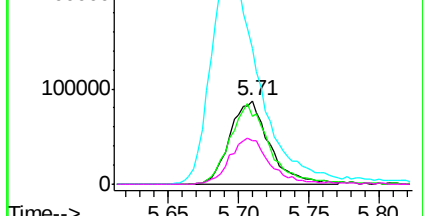


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#29

Chloroform

Concen: 0.12 ppbv

RT: 5.77 min Scan# 929

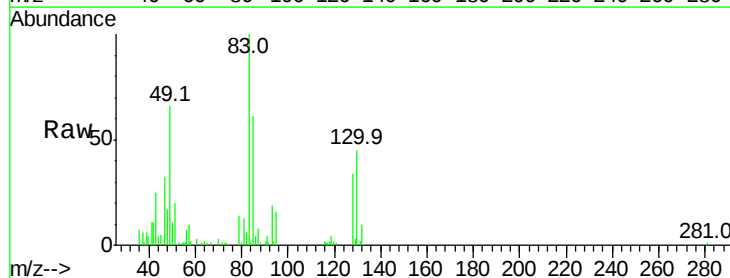
Delta R.T. 0.04 min

Lab File: VL039449.D

Acq: 12 Jul 2022 15:13

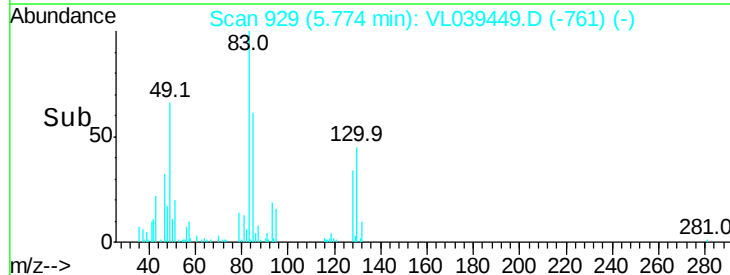
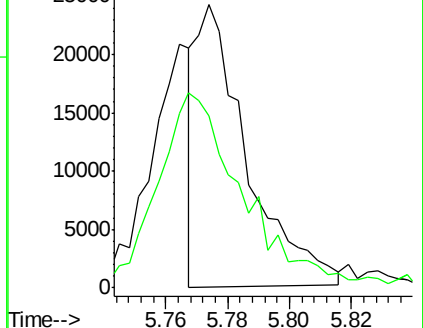
Tgt Ion: 83 Resp: 27496

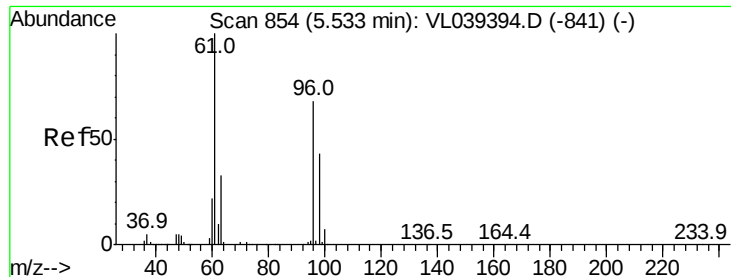
Ion	Ratio	Lower	Upper
83	100		
85	58.9	52.8	79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

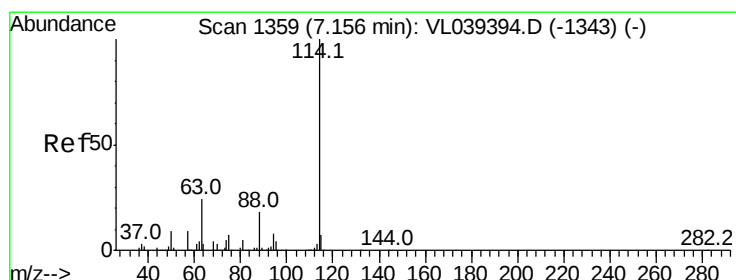
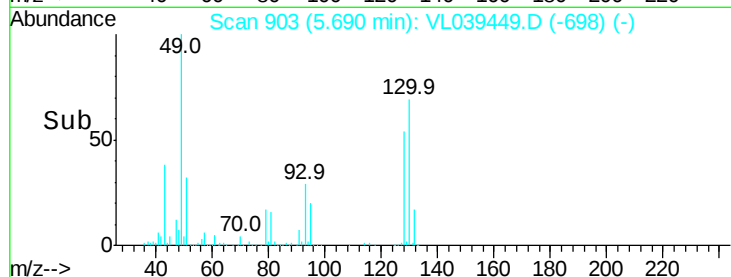
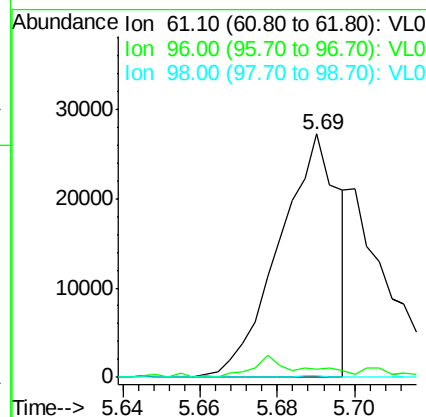
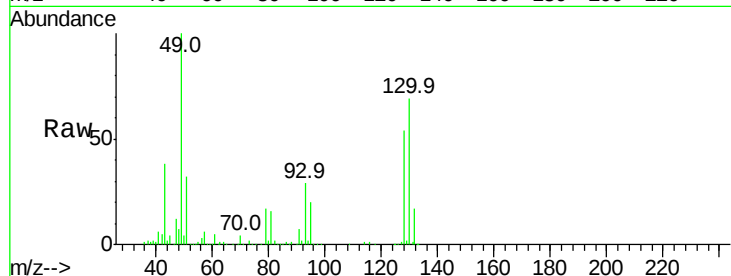
Ion 85.00 (84.70 to 85.70): VL0





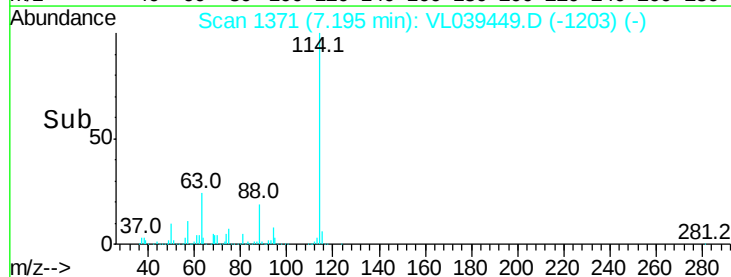
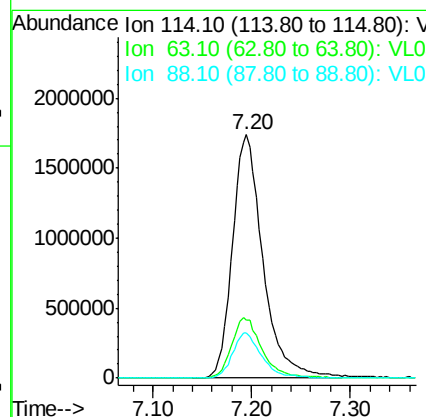
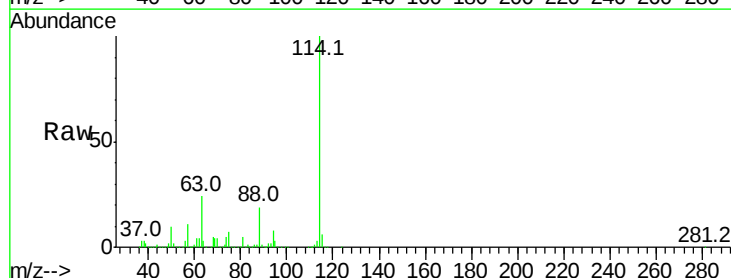
#31
 cis-1,2-Dichloroethene
 Concen: 0.21 ppbv
 RT: 5.69
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 15:13

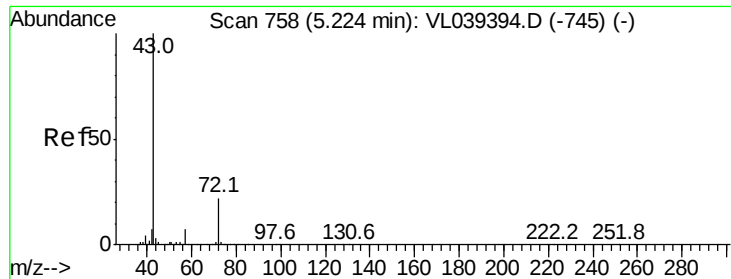
Tgt Ion	Ratio	Lower	Upper
61	100		
96	3.4	54.1	81.1#
98	0.6	34.6	52.0#



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.04 min
 Lab File: VL039449.D
 Acq: 12 Jul 2022 15:13

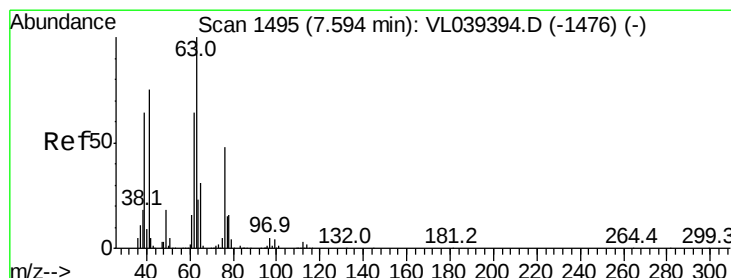
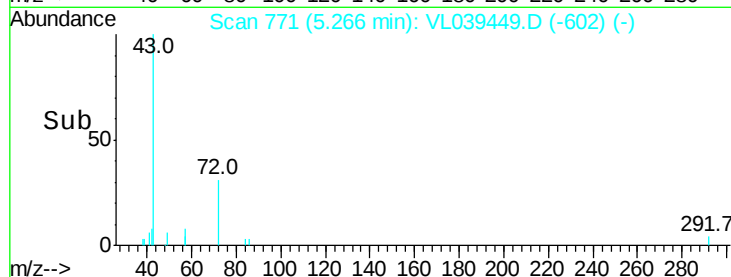
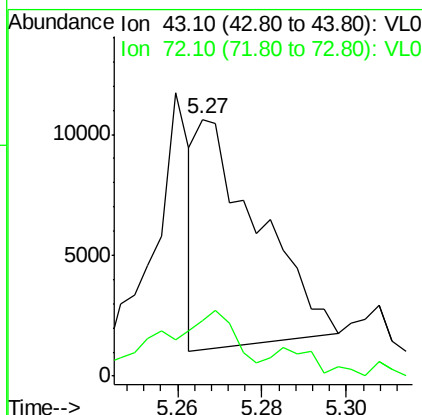
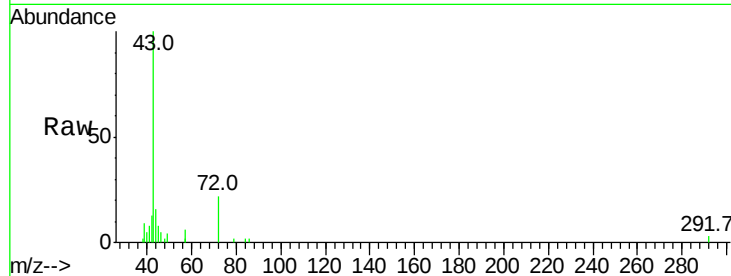
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.4
88	18.1	14.5	21.7





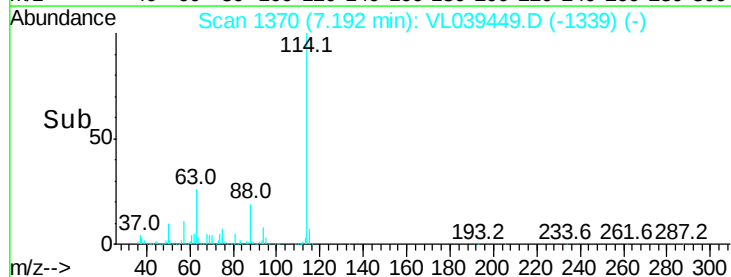
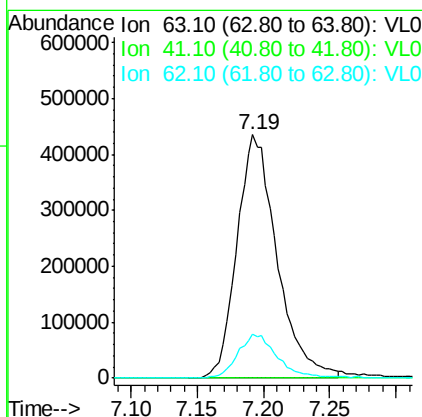
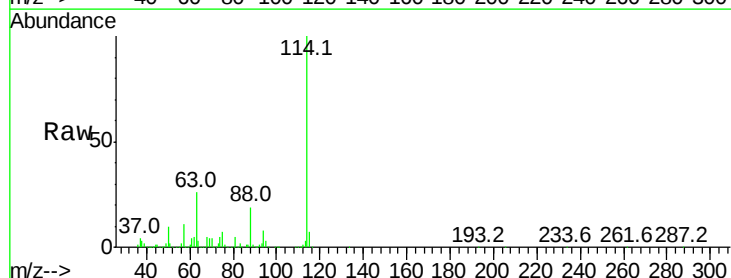
#34
 2-Butanone
 Concen: 0.05 ppbv
 RT: 5.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 15:13

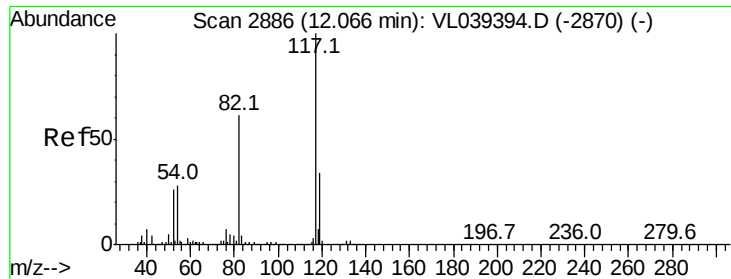
Tgt Ion: 43 Resp: 9560
 Ion Ratio Lower Upper
 43 100
 72 49.4 17.9 26.9#



#39
 1,2-Dichloropropane
 Concen: 8.42 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.40 min
 Lab File: VL039449.D
 Acq: 12 Jul 2022 15:13

Tgt Ion: 63 Resp: 913324
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.6 89.4#
 62 17.9 51.4 77.0#

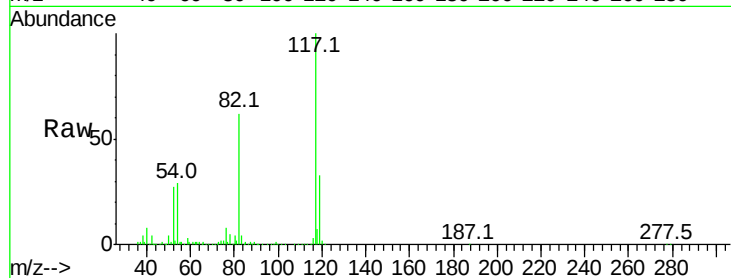




#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 12 Jul 2022 15:13

Tgt Ion: 117 Resp: 3333866

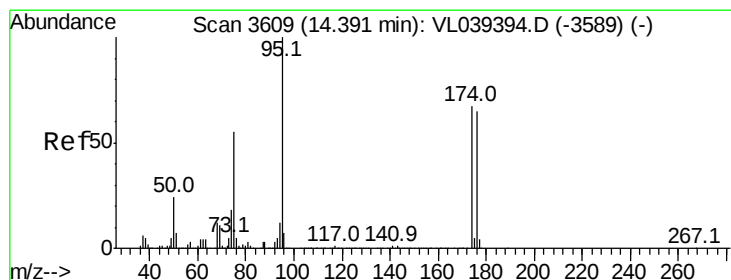
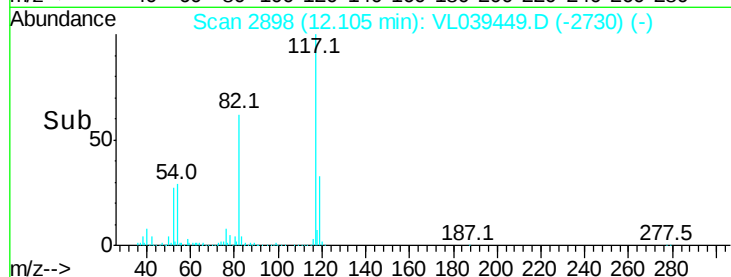
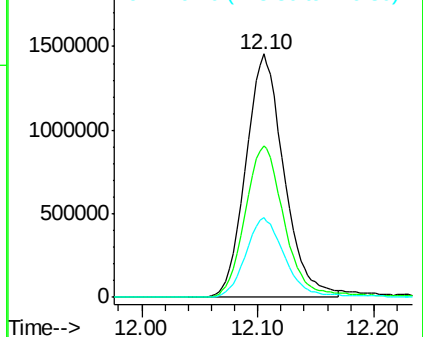
Ion	Ratio	Lower	Upper
117	100		
82	65.3	50.8	76.2
119	34.0	24.1	36.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

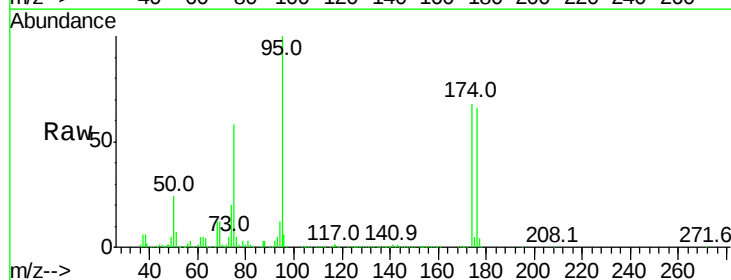
Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.36 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T.: 0.05 min
 Lab File: VL039449.D
 Acq: 12 Jul 2022 15:13

Tgt Ion: 95 Resp: 2561850

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): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

