

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061422\
 Data File : VL039284.D
 Acq On : 14 Jun 2022 17:24
 Operator : SY/AP
 Sample : N3330-02DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SG-2DL2

Quant Time: Jun 15 03:18:23 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1368451	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3763736	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3290763	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2507211	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

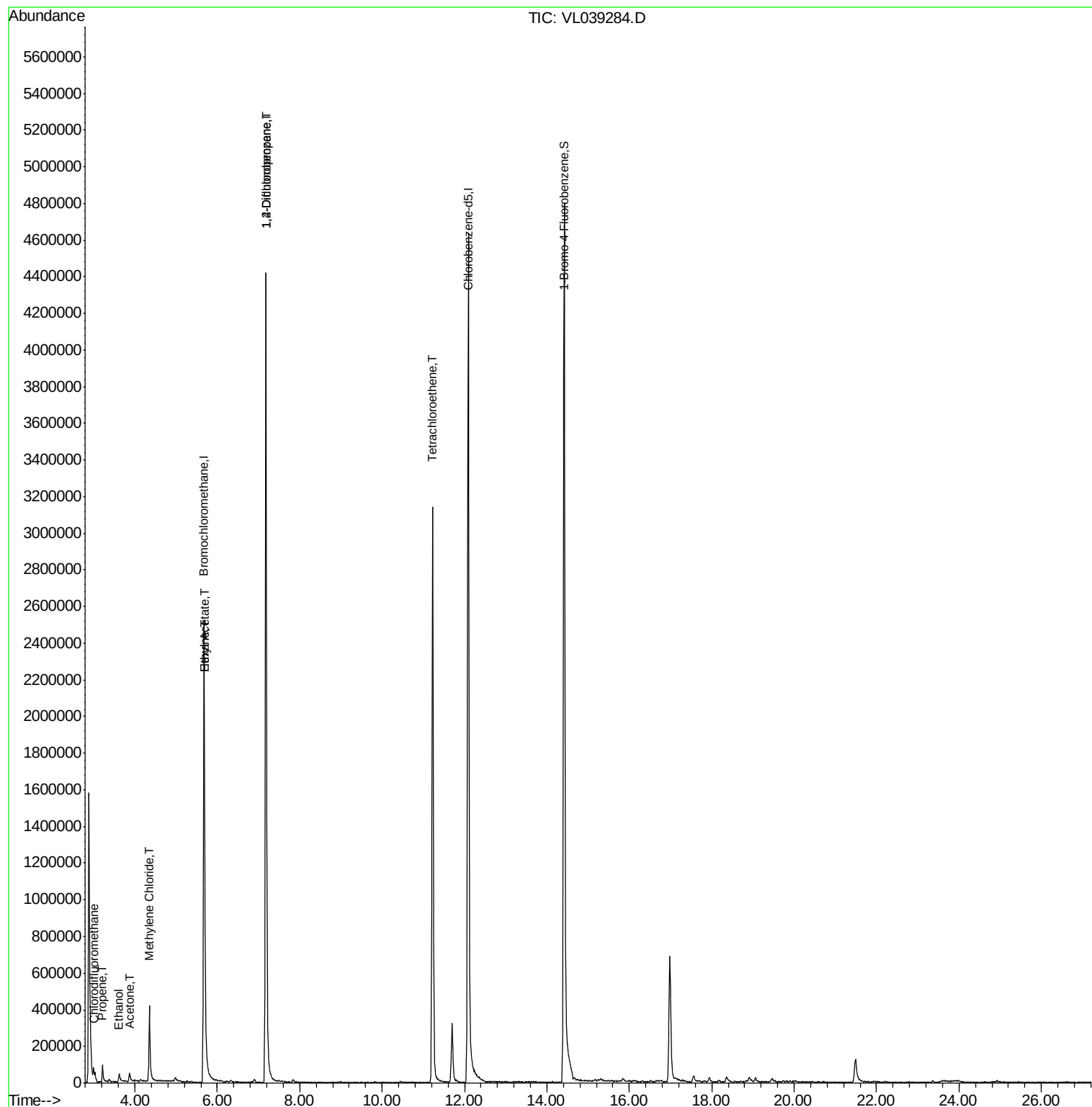
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	92725	0.533	ppbv #	87
9) Propene	3.21	41	29660	0.391	ppbv	96
13) Ethanol	3.61	45	42758	10.327	ppbv #	100
15) Acetone	3.86	43	47862	0.336	ppbv #	47
20) Methylene Chloride	4.35	84	155714	2.592	ppbv	88
25) Ethyl Acetate	5.69	43	109177	0.340	ppbv #	81
26) Hexane	5.69	57	147899	1.048	ppbv #	41
39) 1,2-Dichloropropane	7.18	63	918081	7.554	ppbv #	25
52) Tetrachloroethene	11.23	164	824587	6.912	ppbv	95

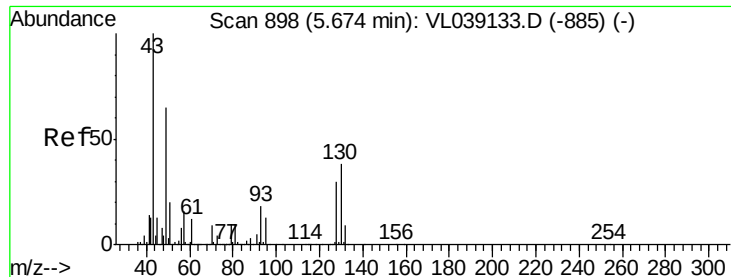
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Jun 2022 17:24

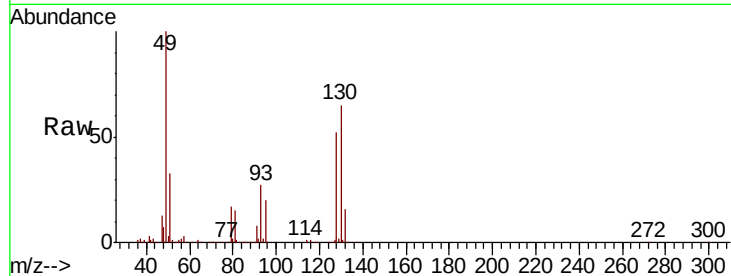
Tot Ion: 49 Resp: 1368451

Ion Ratio Lower Upper

49 100

128 53.2 24.7 74.1

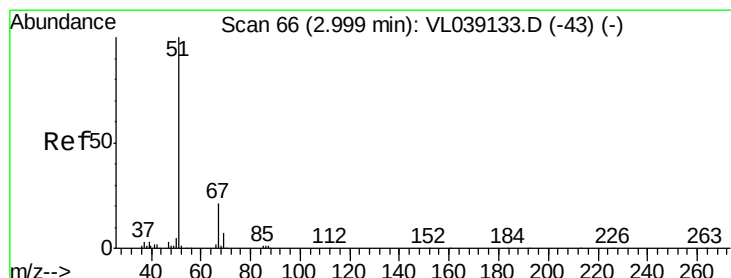
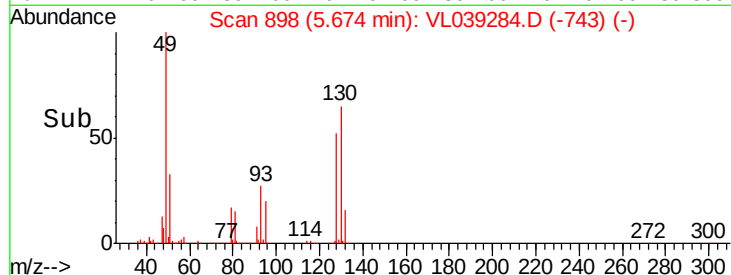
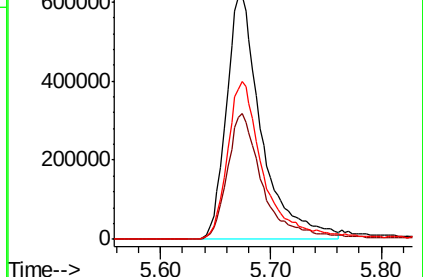
130 68.8 31.4 94.0



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: 0.533 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL039284.D

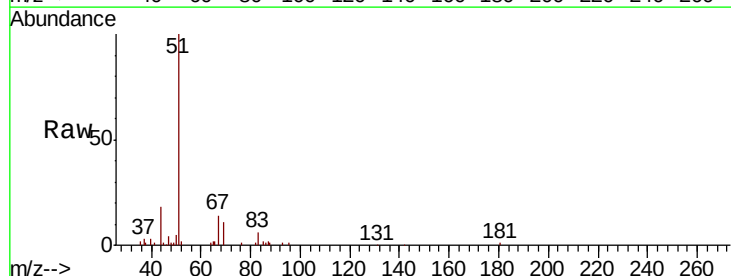
Acq: 14 Jun 2022 17:24

Tgt Ion: 51 Resp: 92725

Ion Ratio Lower Upper

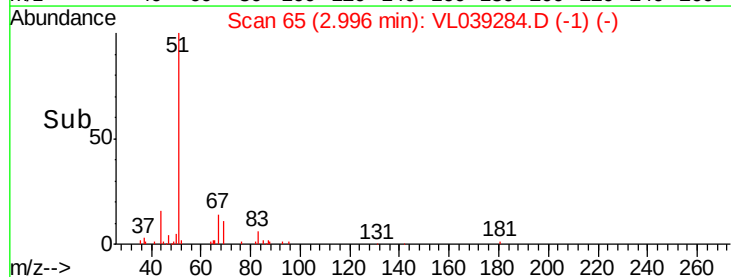
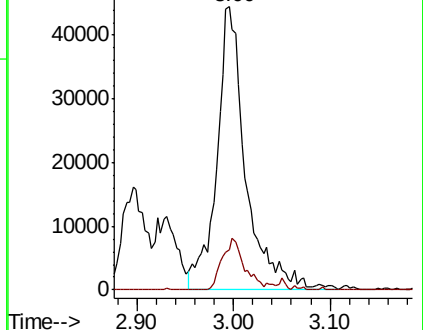
51 100

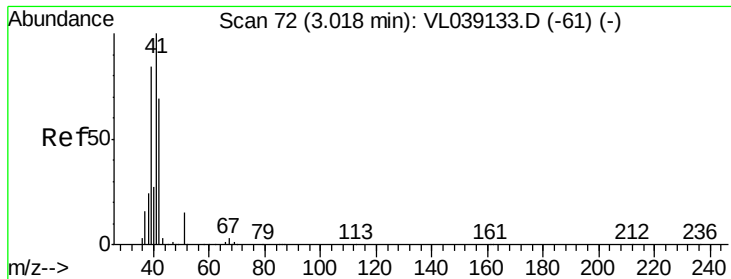
67 14.4 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.391 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

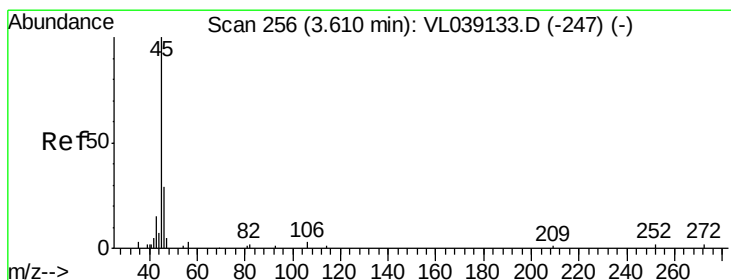
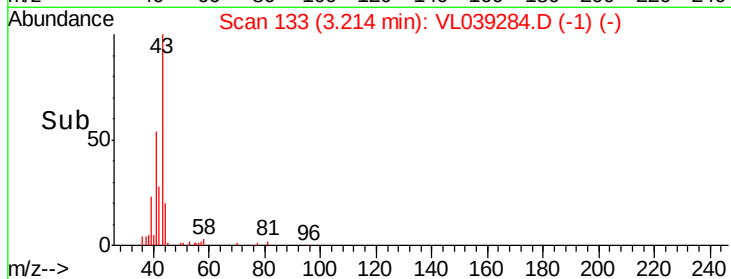
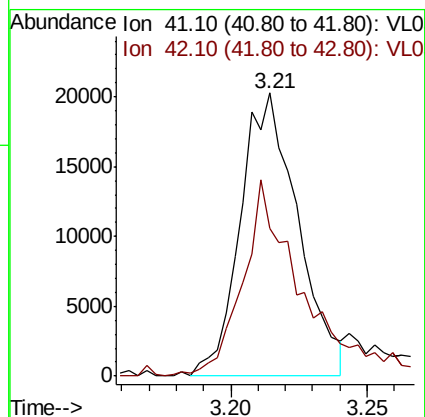
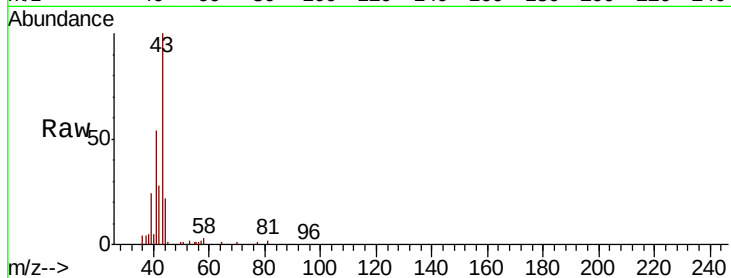
Acq: 14 Jun 2022 17:24 OTC-SG-2DL2

Tot Ion: 41 Resp: 29660

Ion Ratio Lower Upper

41 100

42 72.4 55.4 83.2



#13

Ethanol

Concen: 10.327 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL039284.D

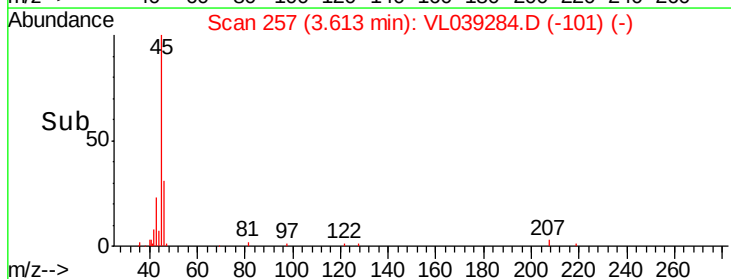
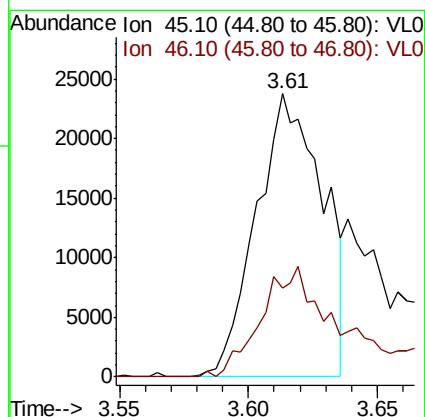
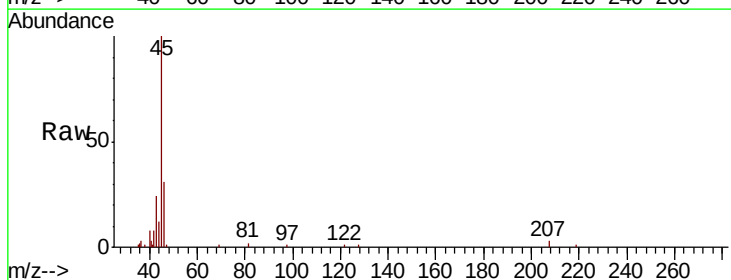
Acq: 14 Jun 2022 17:24

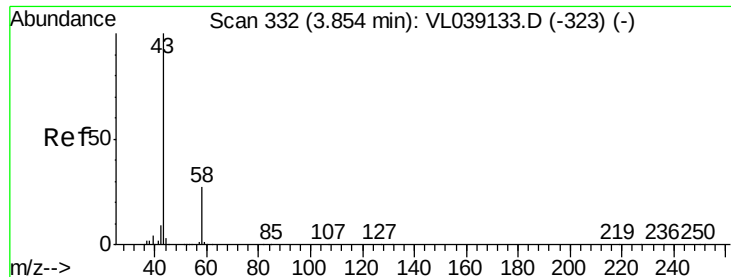
Tgt Ion: 45 Resp: 42758

Ion Ratio Lower Upper

45 100

46 49.8 0.0 0.0#





#15

Acetone

Concen: 0.336 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

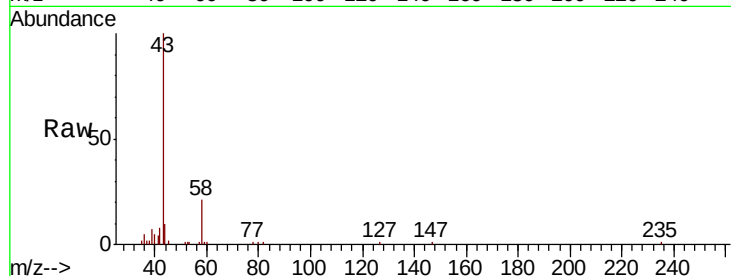
Acq: 14 Jun 2022 17:24

Tot Ion: 43 Resp: 47862

Ion Ratio Lower Upper

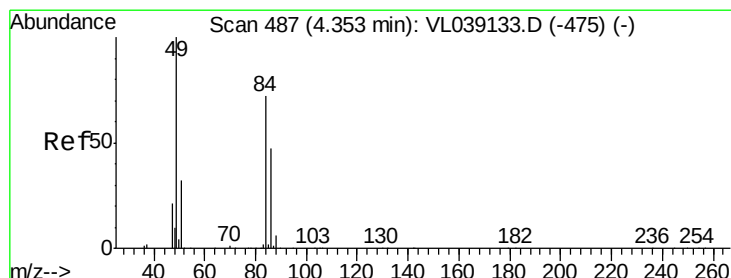
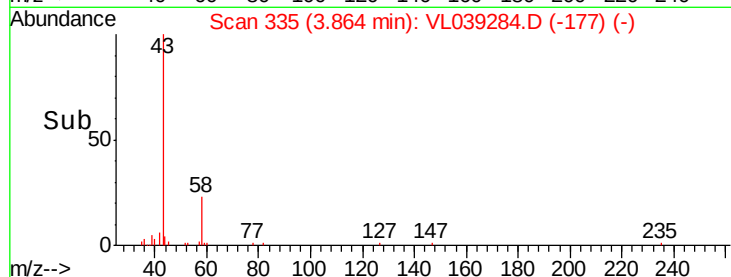
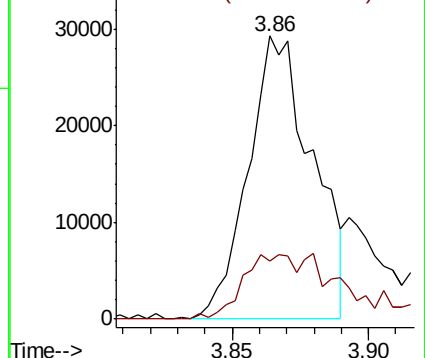
43 100

58 0.0 22.5 33.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.592 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.00 min

Lab File: VL039284.D

Acq: 14 Jun 2022 17:24

Tgt Ion: 84 Resp: 155714

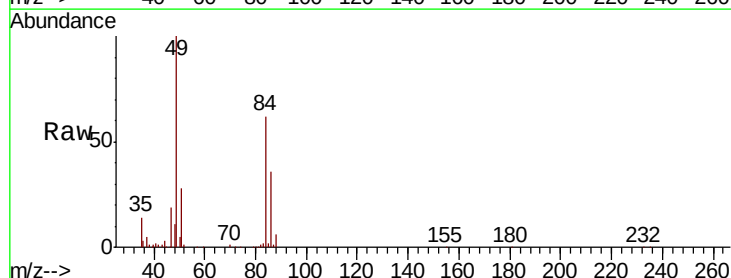
Ion Ratio Lower Upper

84 100

49 160.2 111.1 166.7

51 44.0 35.3 52.9

86 58.2 51.9 77.9

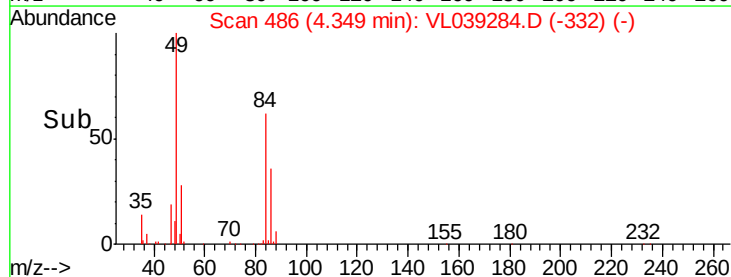
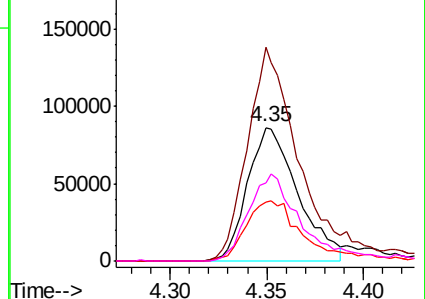


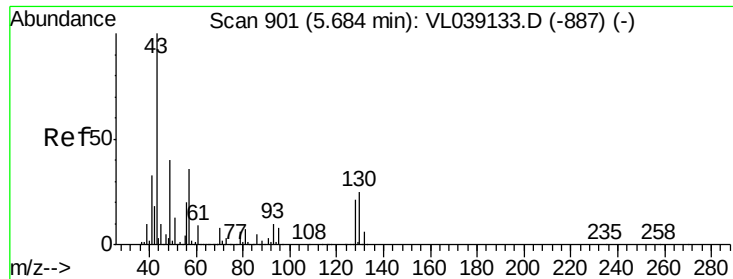
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

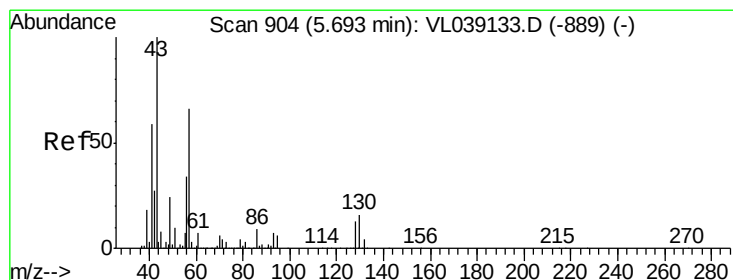
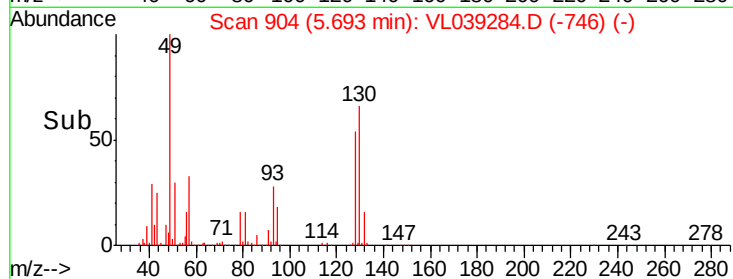
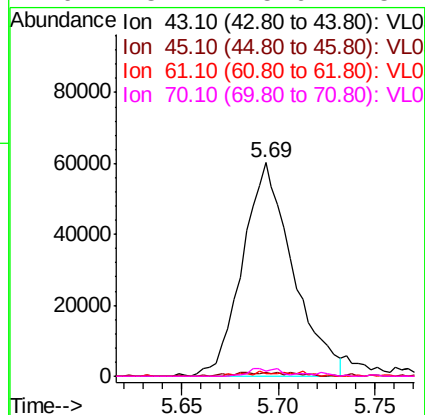
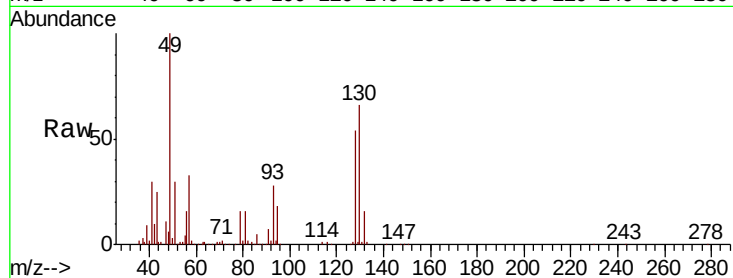
Ion 86.00 (85.70 to 86.70): VL0





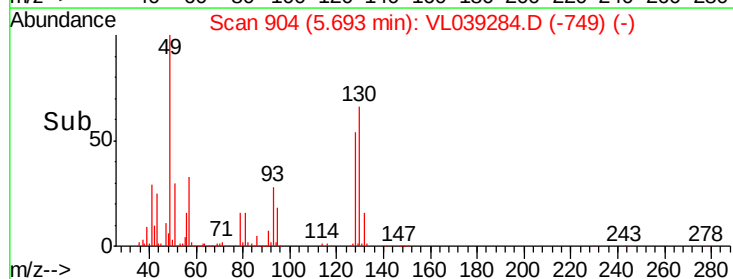
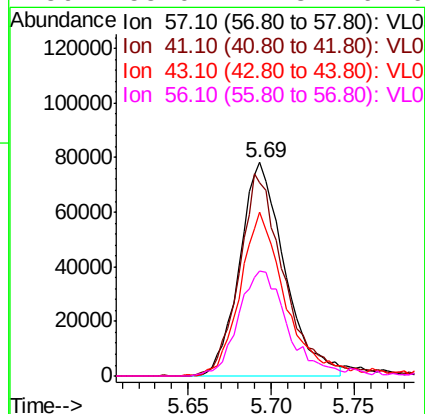
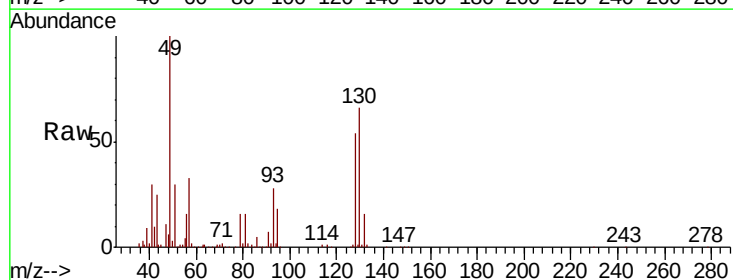
#25
Ethyl Acetate
Concen: 0.340 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Jun 2022 17:24

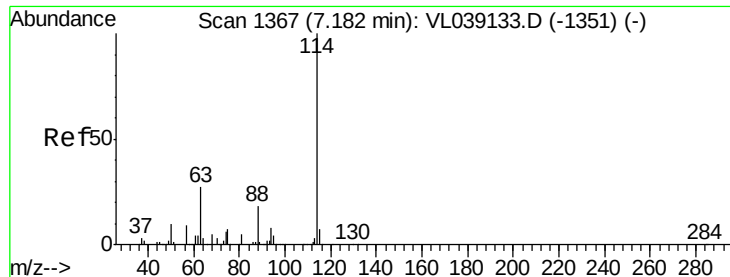
Tot Ion:	43	Resp:	109177
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.2#
61	2.2	8.4	12.6#
70	3.1	5.6	8.4#



#26
Hexane
Concen: 1.048 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: -0.00 min
Lab File: VL039284.D
Acq: 14 Jun 2022 17:24

Tgt Ion:	57	Resp:	147899
Ion	Ratio	Lower	Upper
57	100		
41	97.7	72.4	108.6
43	80.7	187.0	280.6#
56	55.0	41.8	62.6

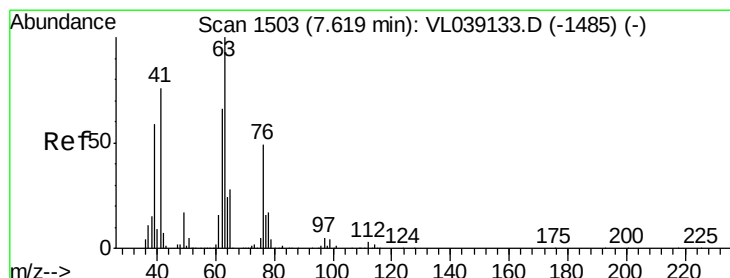
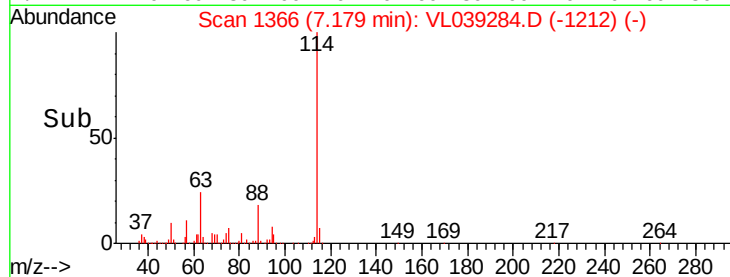
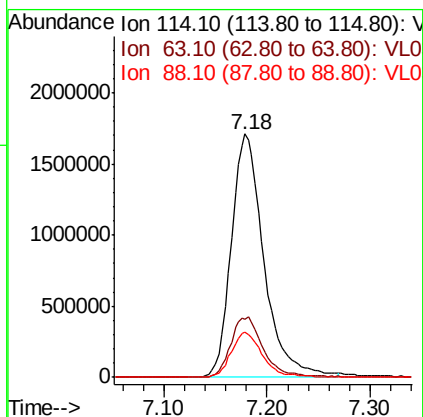
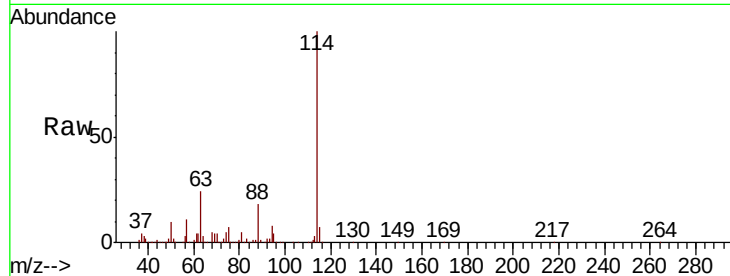




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: OTC-SG-2DL2
 Acq: 14 Jun 2022 17:24

Tot Ion: 114 Resp: 3763736

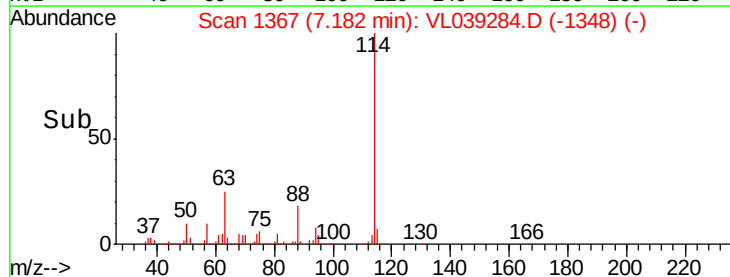
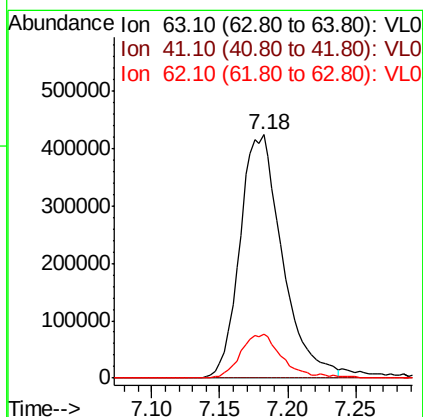
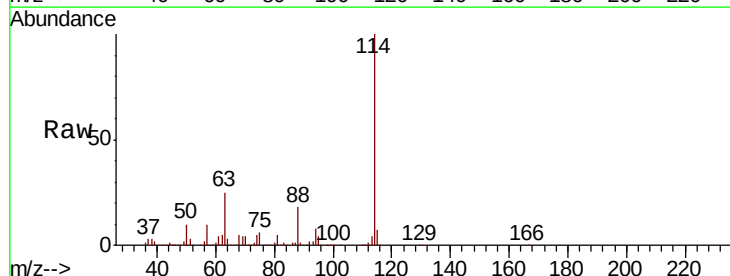
Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.2	14.8	22.2

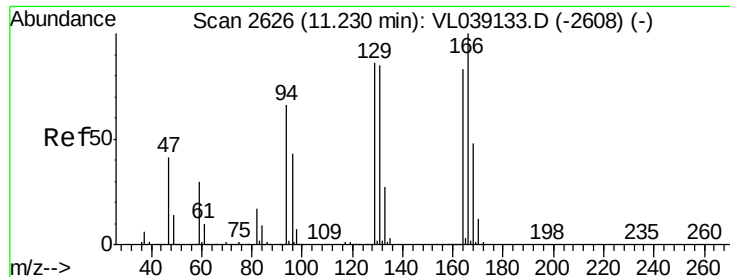


#39
 1,2-Dichloropropane
 Concen: 7.554 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T.: -0.44 min
 Lab File: VL039284.D
 Acq: 14 Jun 2022 17:24

Tgt Ion: 63 Resp: 918081

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.8	91.2#
62	18.1	52.9	79.3#





#52

Tetrachloroethene

Concen: 6.912 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Jun 2022 17:24

Tot Ion:164 Resp: 824587

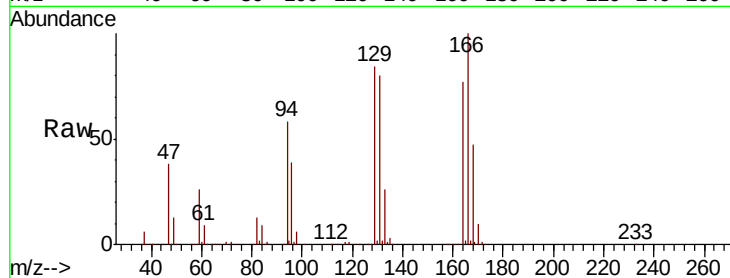
Ion Ratio Lower Upper

164 100

166 129.3 96.3 144.5

129 108.8 82.5 123.7

131 103.2 82.1 123.1

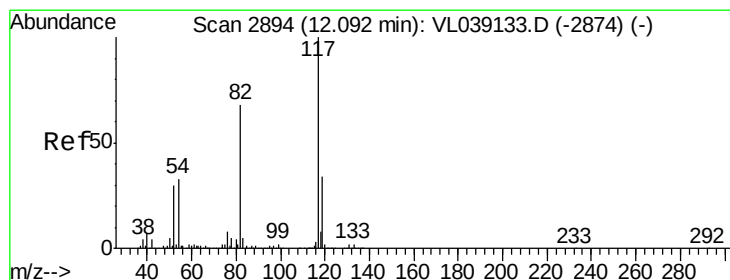
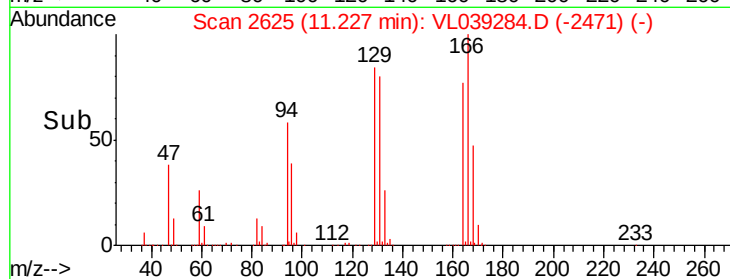
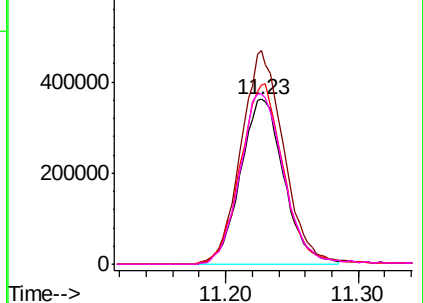


Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL039284.D

Acq: 14 Jun 2022 17:24

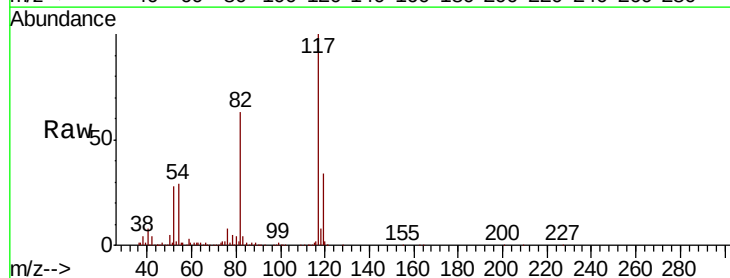
Tgt Ion:117 Resp: 3290763

Ion Ratio Lower Upper

117 100

82 66.0 55.1 82.7

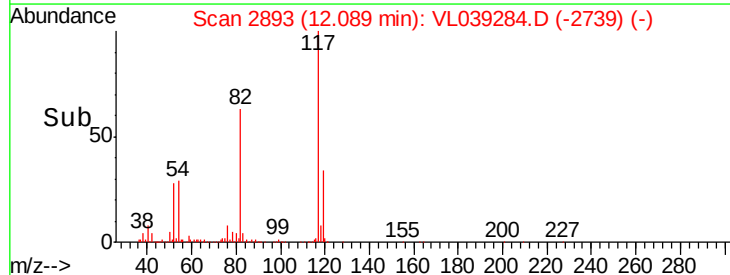
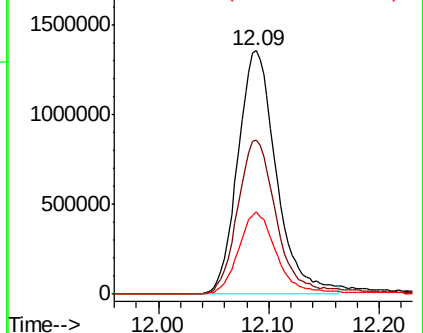
119 34.1 24.7 37.1

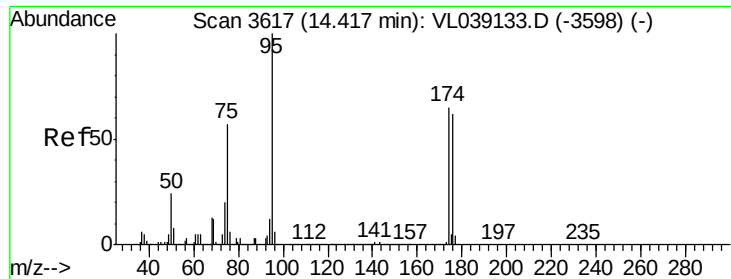


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.216 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Jun 2022 17.24

Tot Ion: 95 Resp: 2507211

Ion Ratio Lower Upper

95 100

174 71.8 53.8 80.8

175 5.4 4.1 6.1

