

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061422\
 Data File : VL039285.D
 Acq On : 14 Jun 2022 18:04
 Operator : SY/AP
 Sample : N3330-02DL2 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SG-2DL2

Quant Time: Jun 15 03:18:30 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	1205080	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3499414	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3082303	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2366636	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

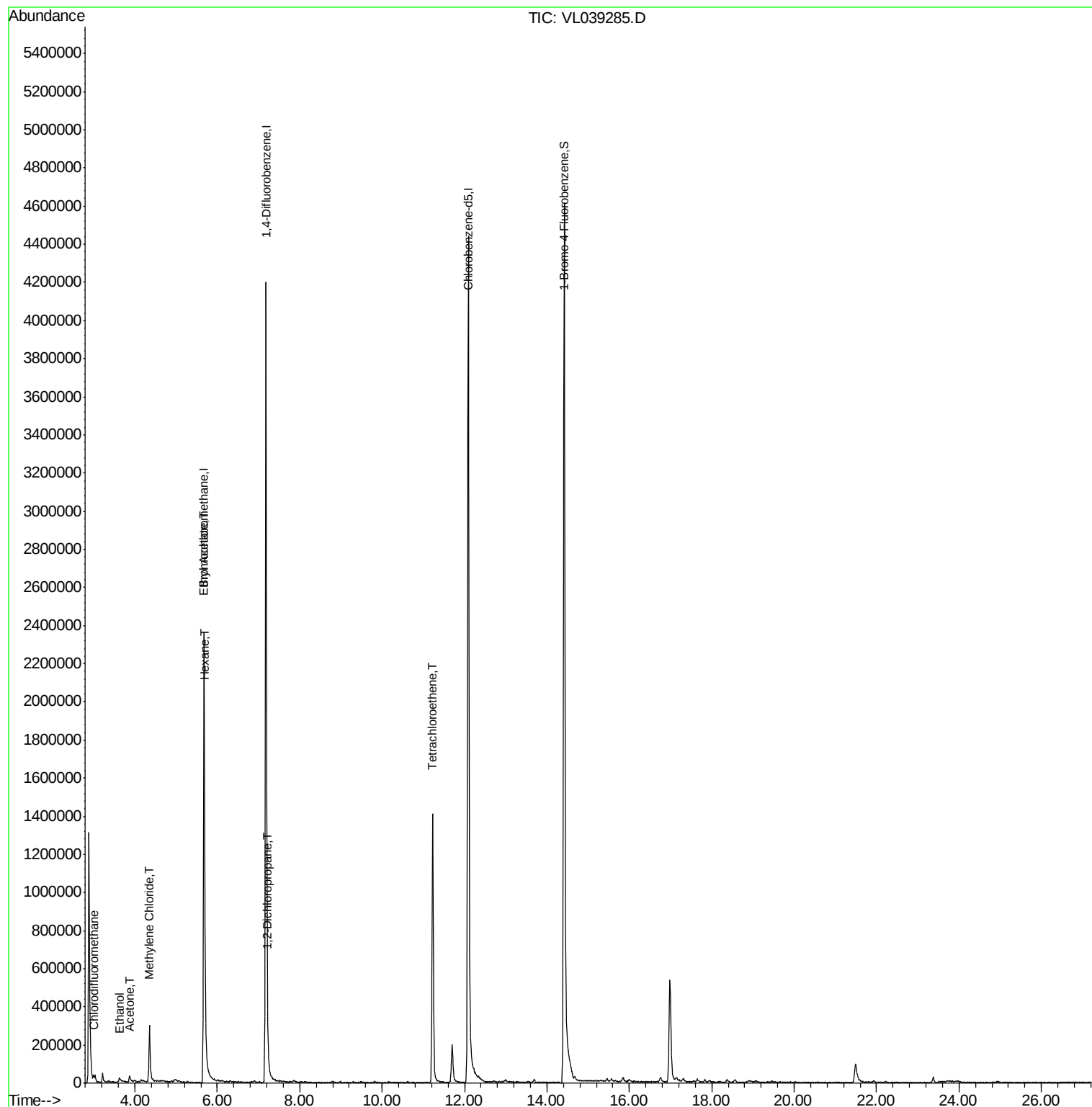
Target Compounds					Ovalue
3) Chlorodifluoromethane	3.00	51	42286	0.276 ppbv	93
13) Ethanol	3.61	45	9421	2.584 ppbv #	100
15) Acetone	3.87	43	31675	0.252 ppbv #	47
20) Methylene Chloride	4.35	84	118842	2.247 ppbv	96
25) Ethyl Acetate	5.69	43	36021	0.127 ppbv #	78
26) Hexane	5.69	57	97919	0.788 ppbv #	42
39) 1,2-Dichloropropane	7.23	63	16796	0.149 ppbv #	22
52) Tetrachloroethene	11.23	164	360604	3.251 ppbv	91

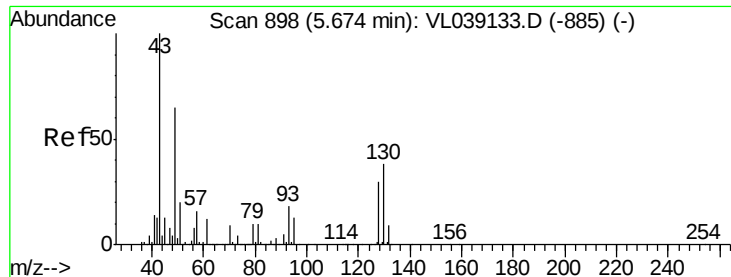
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061422\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Jun 2022 18:04

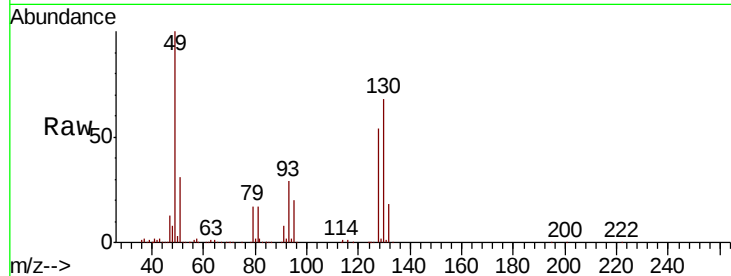
Tot Ion: 49 Resp: 1205080

Ion Ratio Lower Upper

49 100

128 56.6 24.7 74.1

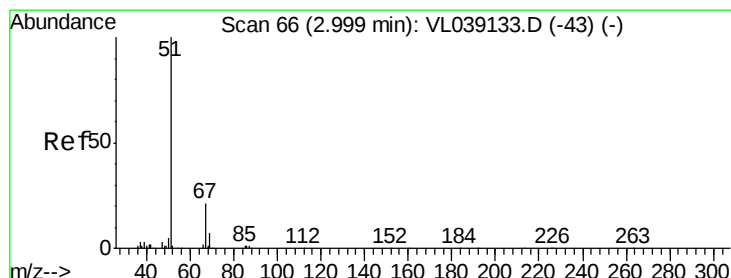
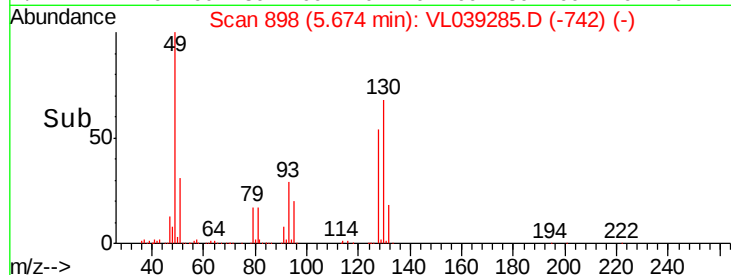
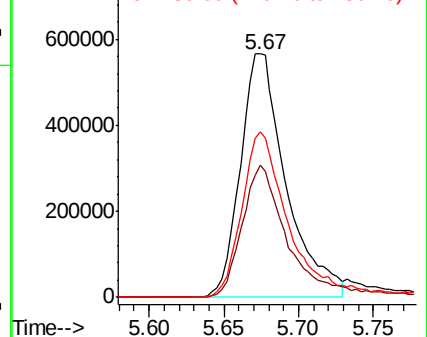
130 73.7 31.4 94.0



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: 0.276 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL039285.D

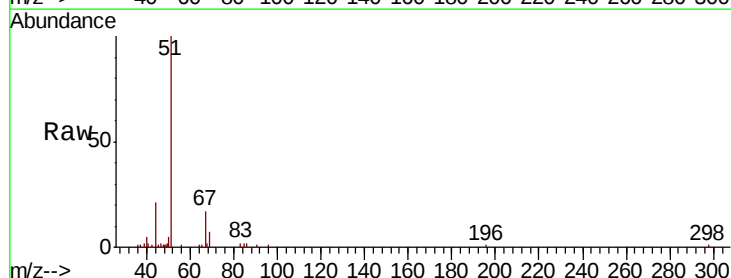
Acq: 14 Jun 2022 18:04

Tgt Ion: 51 Resp: 42286

Ion Ratio Lower Upper

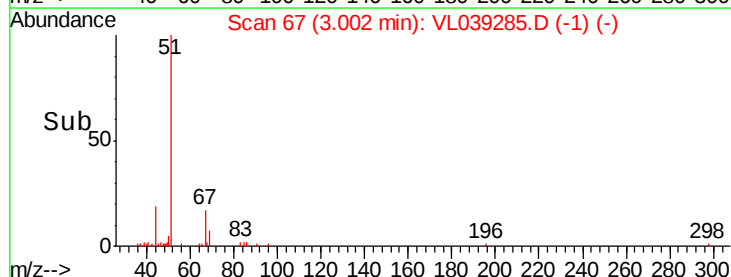
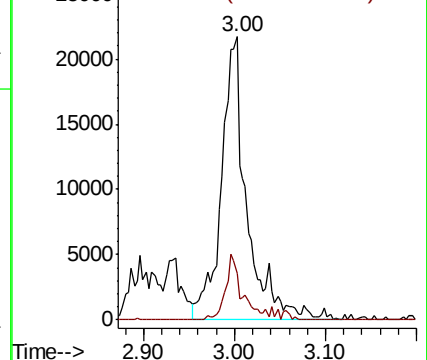
51 100

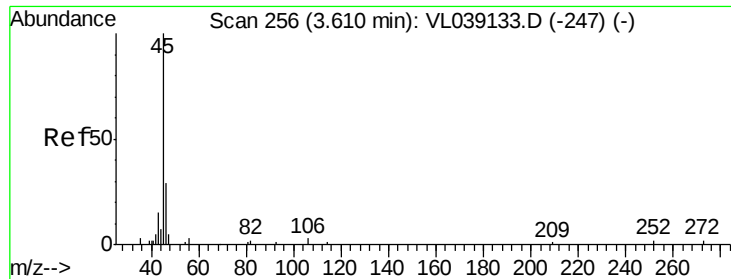
67 16.8 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 2.584 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

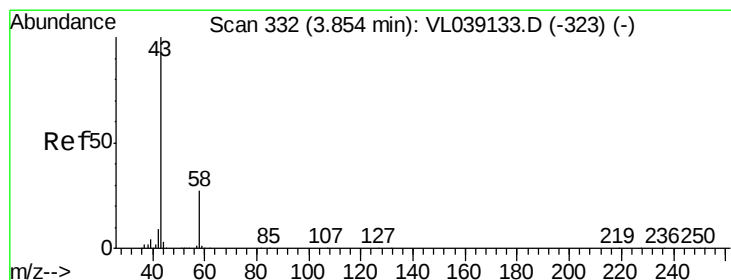
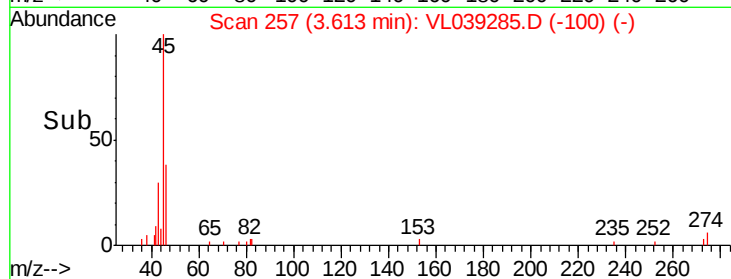
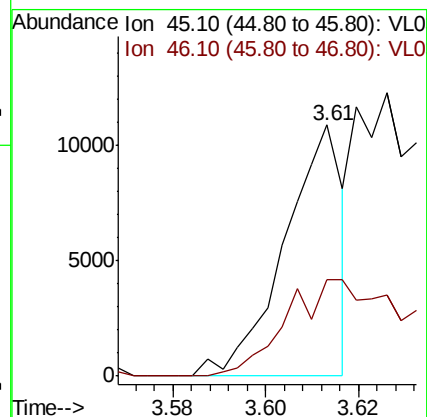
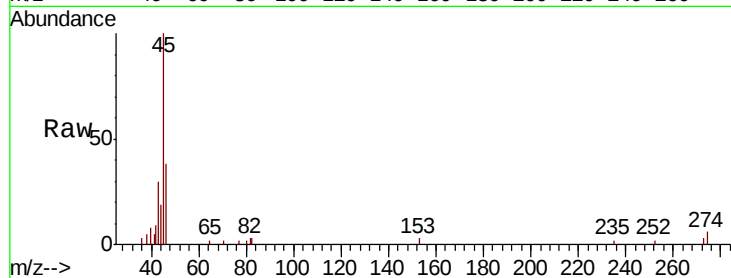
Acq: 14 Jun 2022 18:04 OTC-SG-2DL2

Tot Ion: 45 Resp: 9421

Ion Ratio Lower Upper

45 100

46 136.8 0.0 0.0#



#15

Acetone

Concen: 0.252 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL039285.D

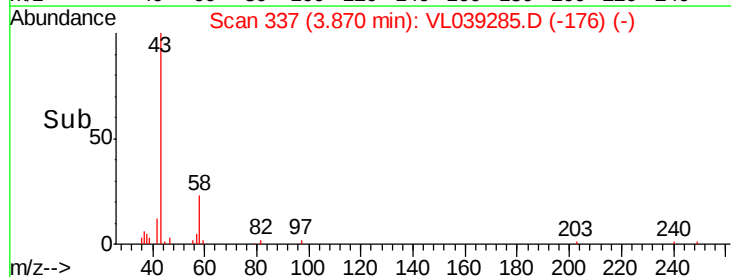
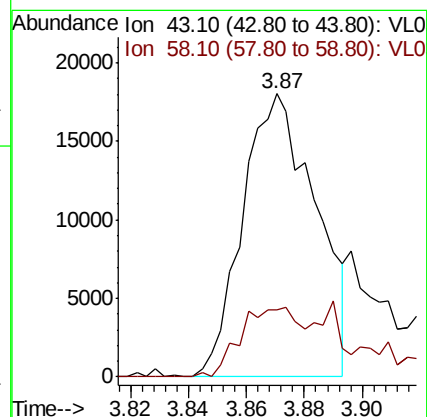
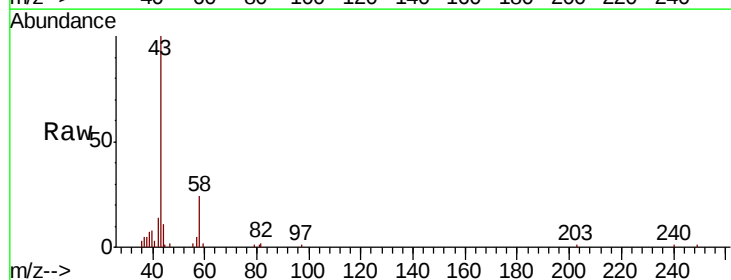
Acq: 14 Jun 2022 18:04

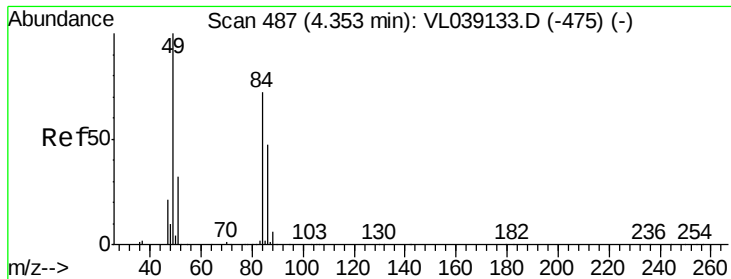
Tgt Ion: 43 Resp: 31675

Ion Ratio Lower Upper

43 100

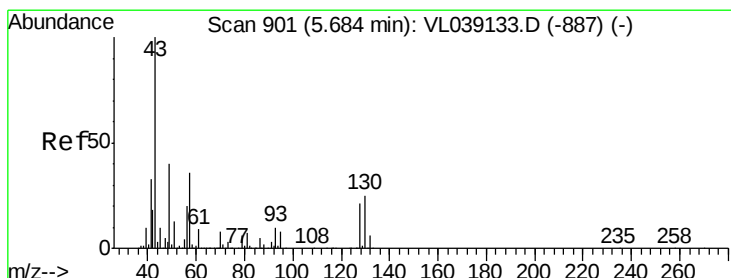
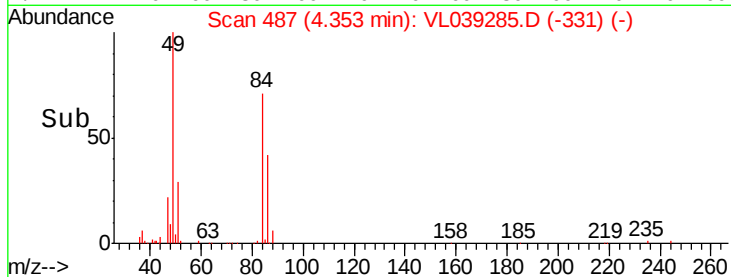
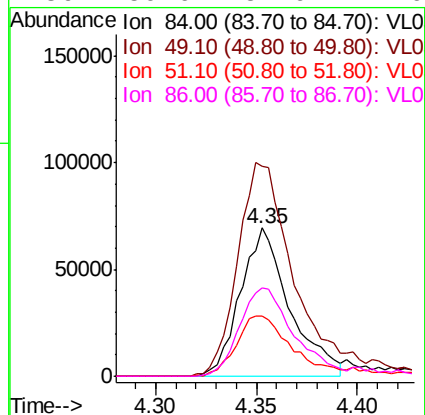
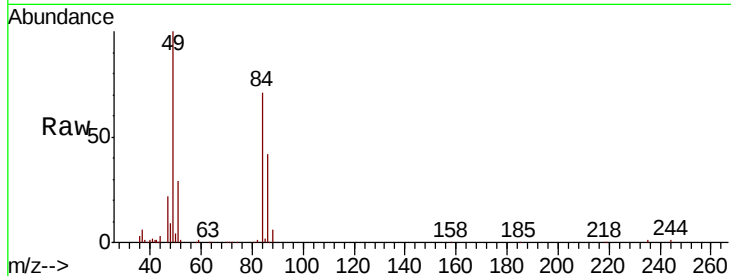
58 0.0 22.5 33.7#





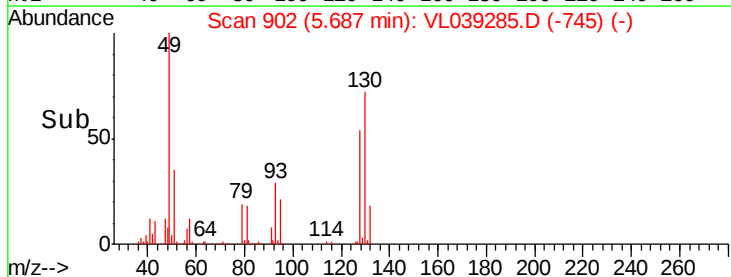
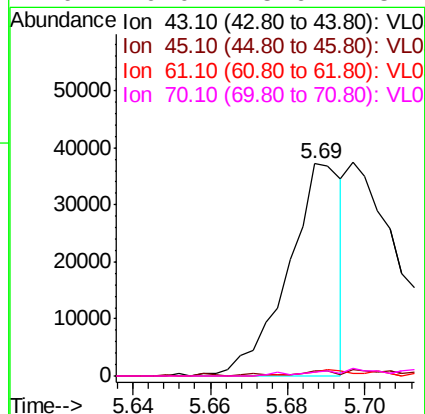
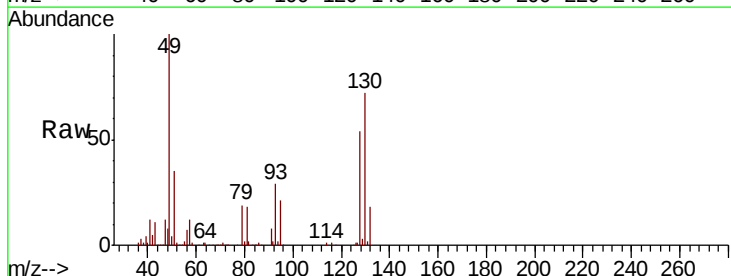
#20
Methvlene Chloride
Concen: 2.247 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Jun 2022 18:04

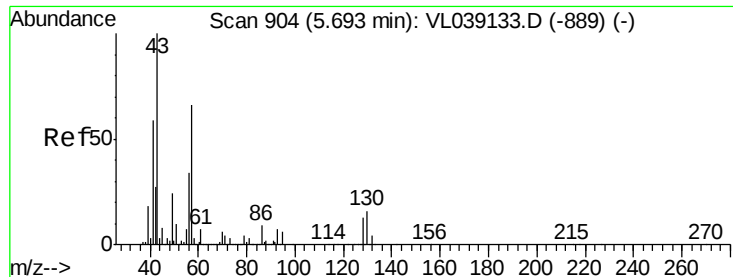
Tot Ion:	84	Resp:	118842
Ion	Ratio	Lower	Upper
84	100		
49	141.1	111.1	166.7
51	40.9	35.3	52.9
86	59.6	51.9	77.9



#25
Ethyl Acetate
Concen: 0.127 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL039285.D
Acq: 14 Jun 2022 18:04

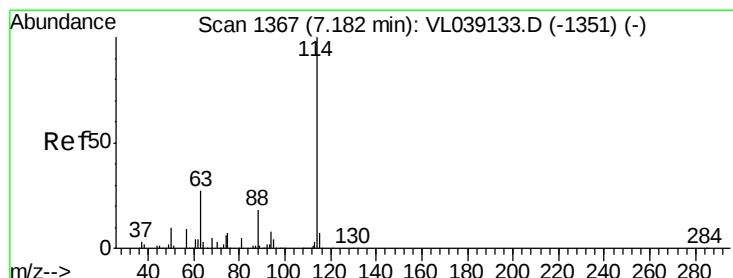
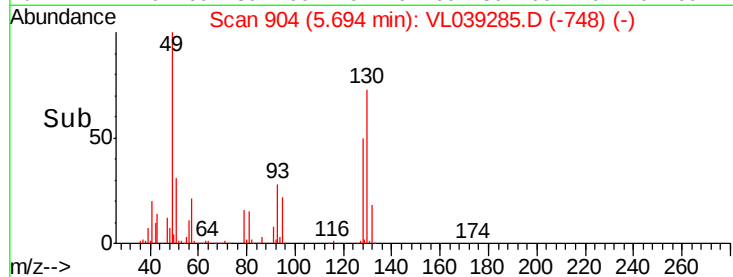
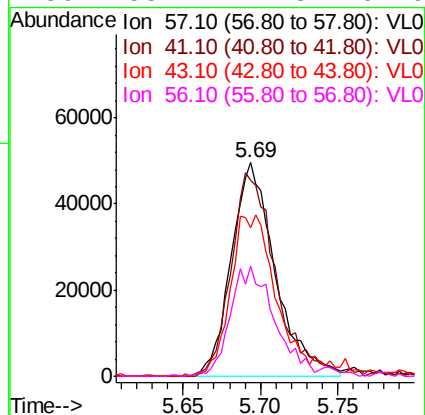
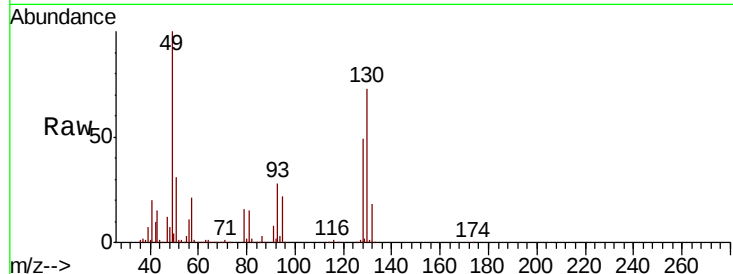
Tgt Ion:	43	Resp:	36021
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	4.1	8.4	12.6#
70	0.0	5.6	8.4#





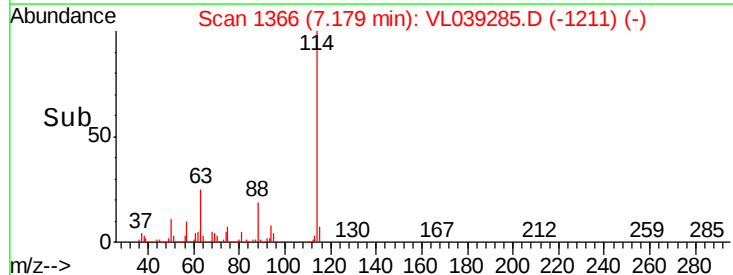
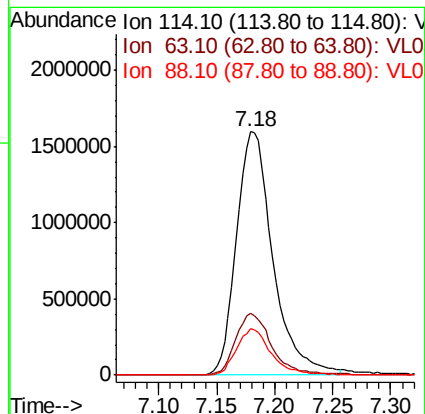
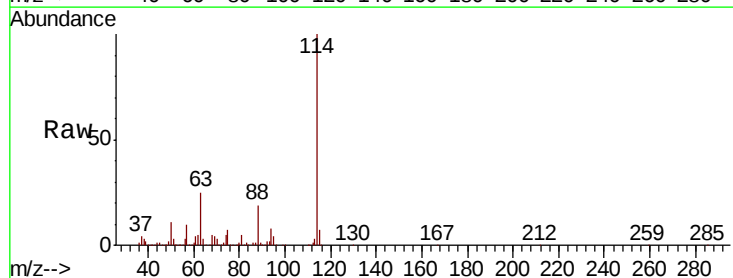
#26
Hexane
Concen: 0.788 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Jun 2022 18:04

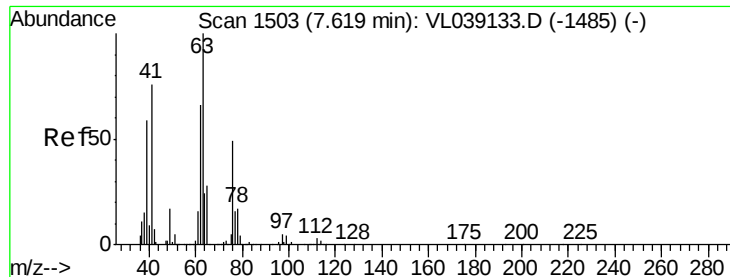
Tot Ion:	57	Resp:	97919
Ion	Ratio	Lower	Upper
57	100		
41	99.6	72.4	108.6
43	84.4	187.0	280.6#
56	53.7	41.8	62.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL039285.D
Acq: 14 Jun 2022 18:04

Tgt Ion:	114	Resp:	3499414
Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.7	32.5
88	18.4	14.8	22.2





#39

1,2-Dichloropropane

Concen: 0.149 ppbv

RT: 7.23 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Jun 2022 18:04

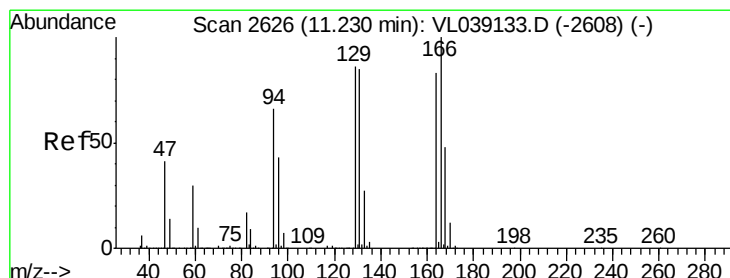
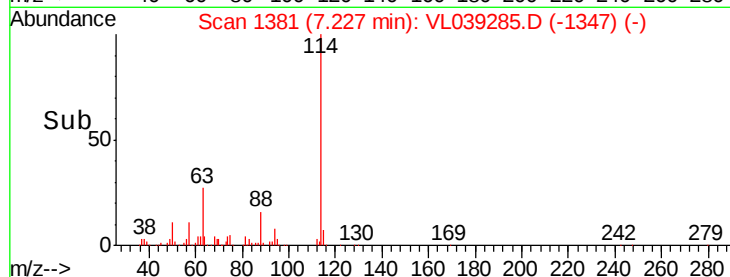
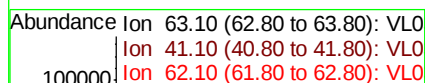
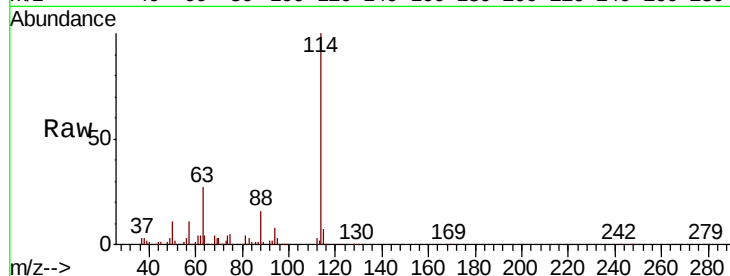
Tot Ion: 63 Resp: 16796

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

62 13.1 52.9 79.3#



#52

Tetrachloroethene

Concen: 3.251 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL039285.D

Acq: 14 Jun 2022 18:04

Tgt Ion:164 Resp: 360604

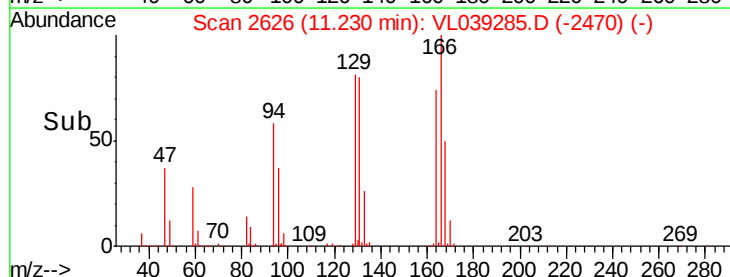
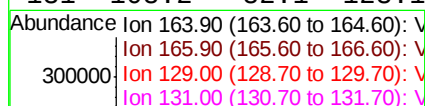
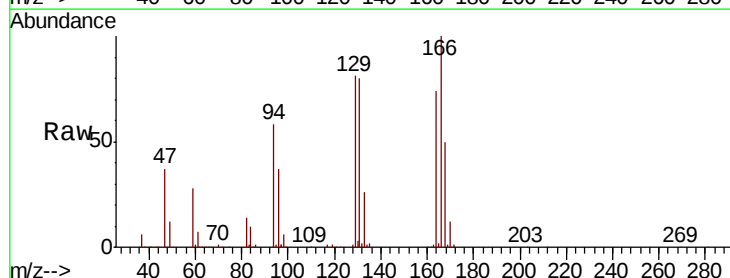
Ion Ratio Lower Upper

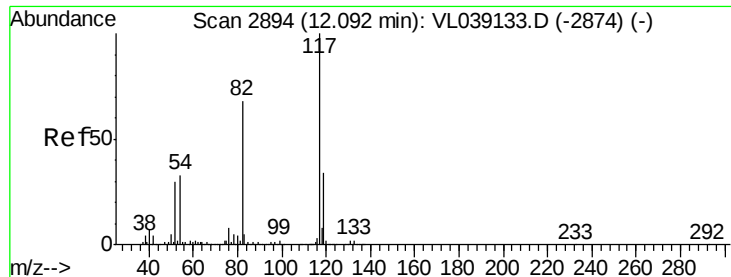
164 100

166 135.6 96.3 144.5

129 109.8 82.5 123.7

131 108.2 82.1 123.1

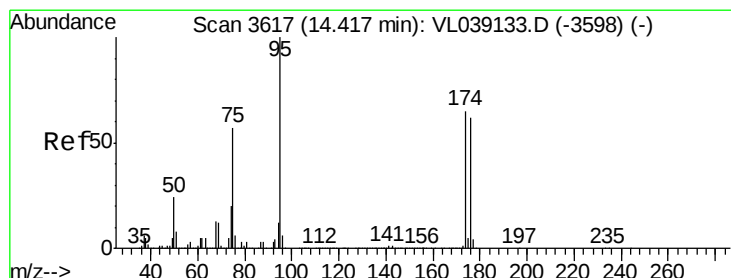
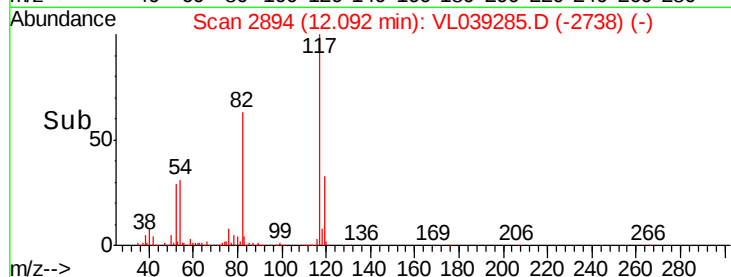
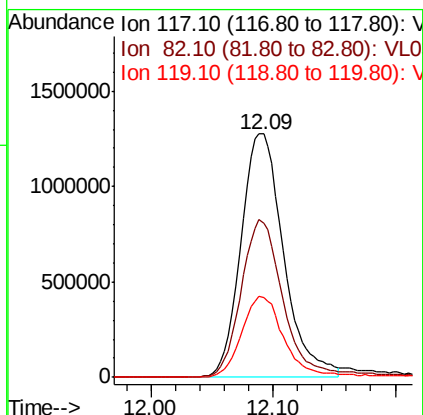
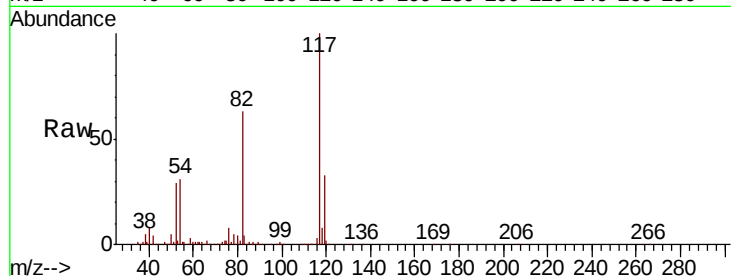




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Jun 2022 18:04

Tot Ion: 117 Resp: 3082303

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.1	82.7
119	34.3	24.7	37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.287 ppbv
RT: 14.42 min Scan# 3618
Delta R.T.: 0.00 min
Lab File: VL039285.D
Acq: 14 Jun 2022 18:04

Tgt Ion: 95 Resp: 2366636

Ion	Ratio	Lower	Upper
95	100		
174	72.4	53.8	80.8
175	5.3	4.1	6.1

