

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039353.D
 Acq On : 24 Jun 2022 23:07
 Operator : SY/AP
 Sample : N3453-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Jun 27 01:52:16 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	5.66	49	1087414	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3145830	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2704462	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1998267	8.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.40%

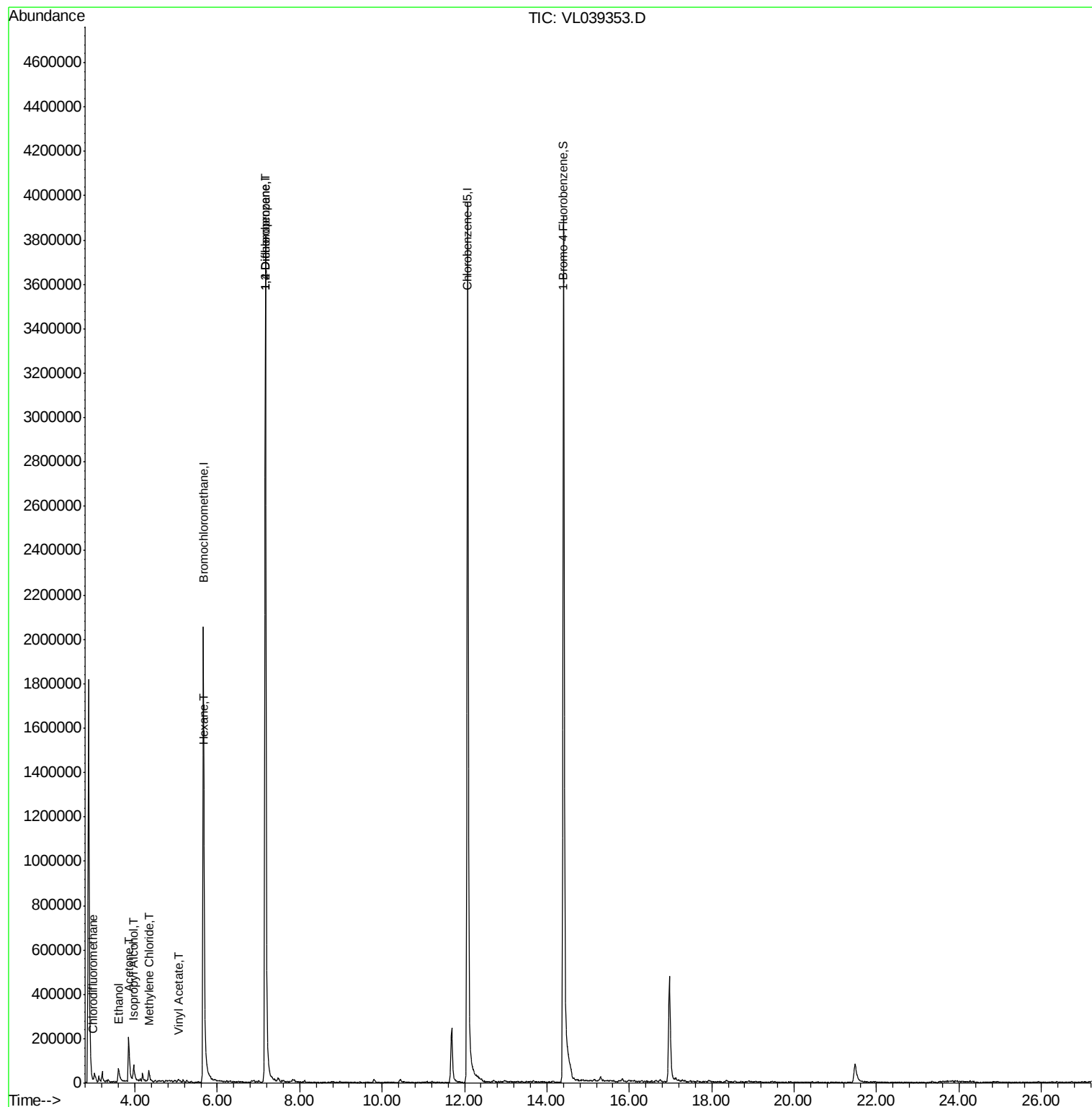
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	9630	0.070	ppbv	94
13) Ethanol	3.60	45	48893	14.860	ppbv #	100
15) Acetone	3.85	43	243871	2.153	ppbv	96
19) Isopropyl Alcohol	3.97	45	59700	1.124	ppbv #	90
20) Methylene Chloride	4.34	84	20704	0.434	ppbv #	86
23) Vinyl Acetate	5.07	43	6479	0.069	ppbv #	80
26) Hexane	5.68	57	4085	0.036	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	783394	7.712	ppbv #	25

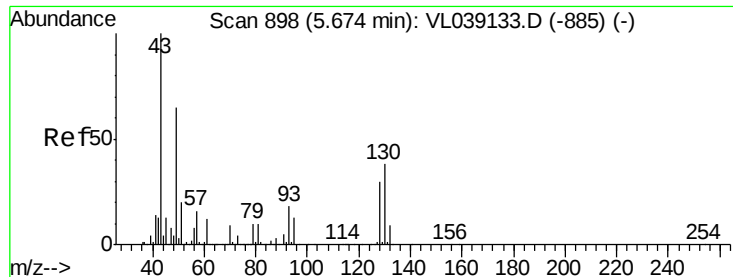
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-3DL

Acq: 24 Jun 2022 23:07

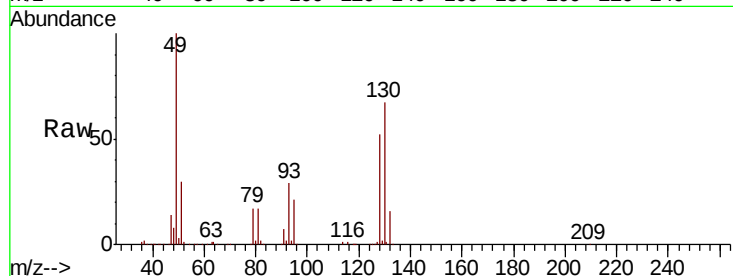
Tot Ion: 49 Resp: 1087414

Ion Ratio Lower Upper

49 100

128 56.1 24.7 74.1

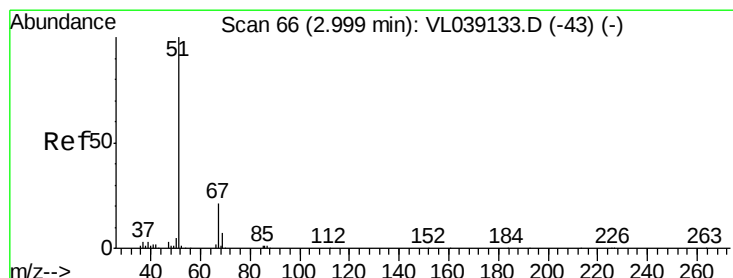
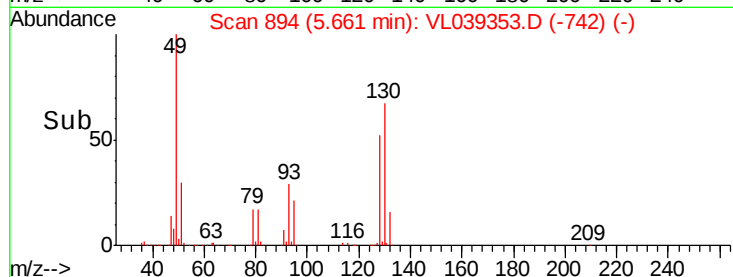
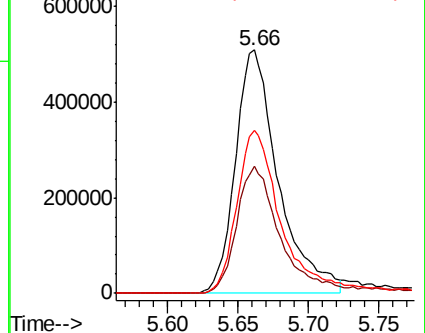
130 72.3 31.4 94.0



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



#3

Chlorodifluoromethane

Concen: 0.070 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL039353.D

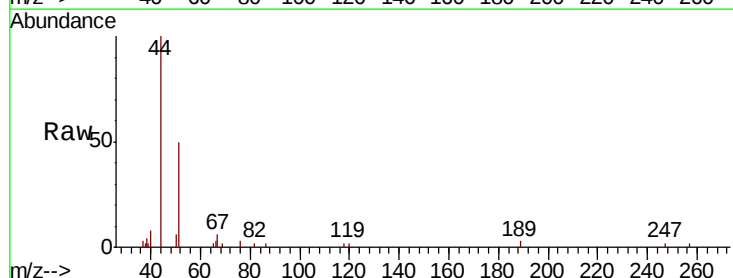
Acq: 24 Jun 2022 23:07

Tgt Ion: 51 Resp: 9630

Ion Ratio Lower Upper

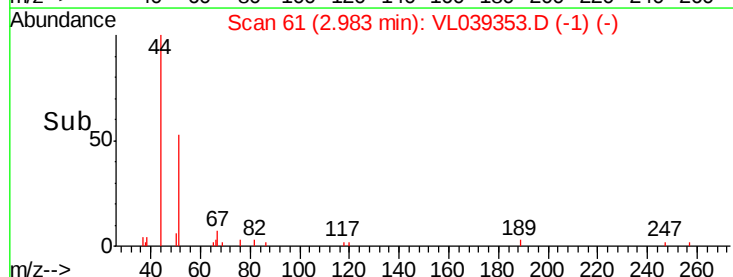
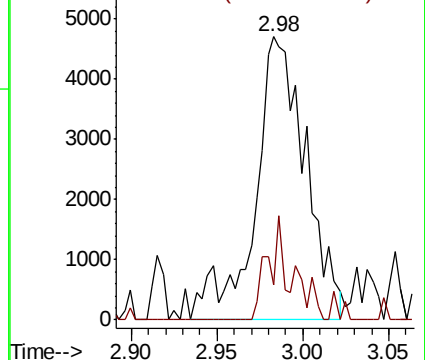
51 100

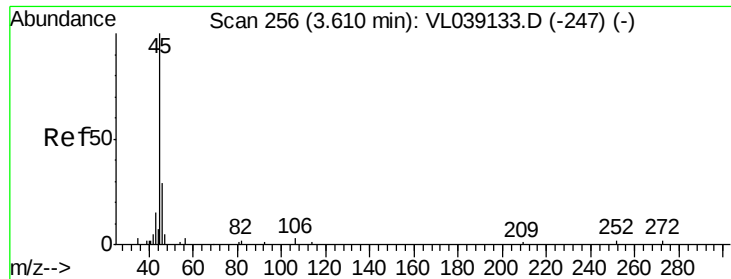
67 17.7 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

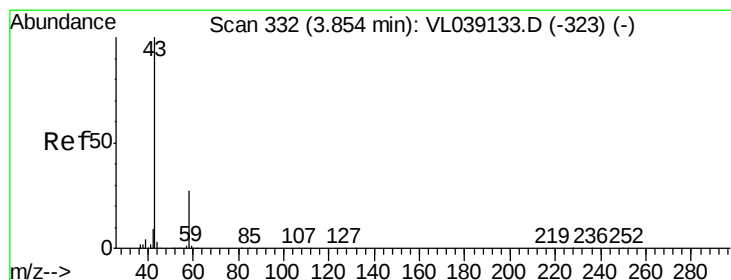
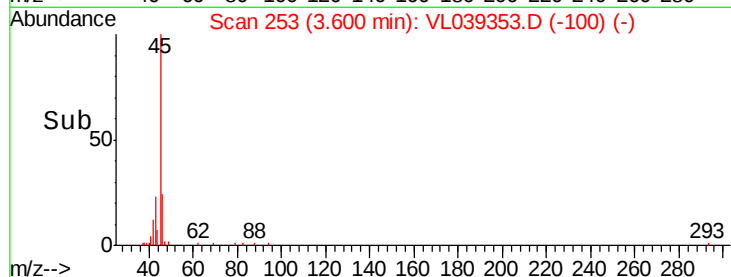
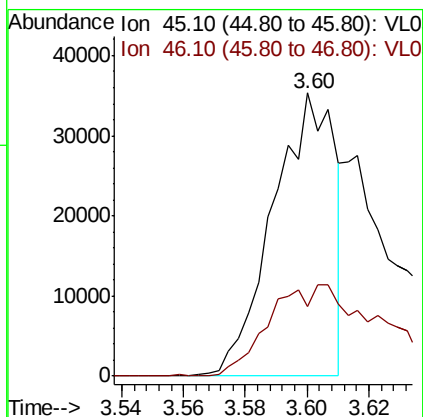
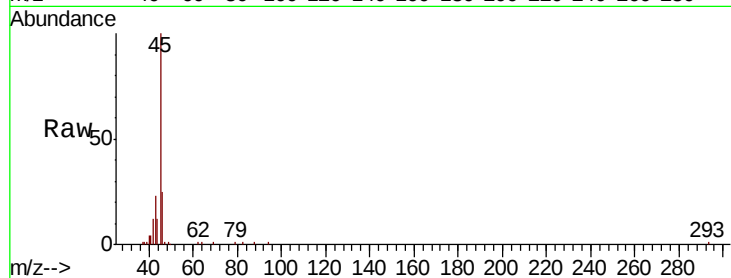
Ion 67.00 (66.70 to 67.70): VL0





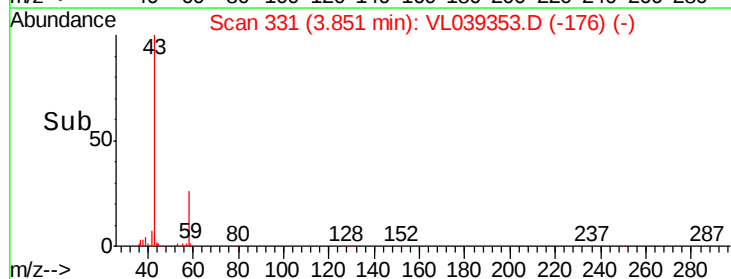
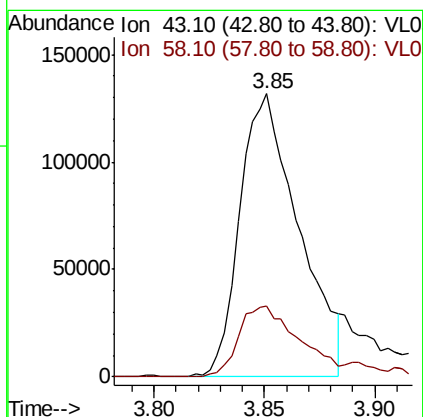
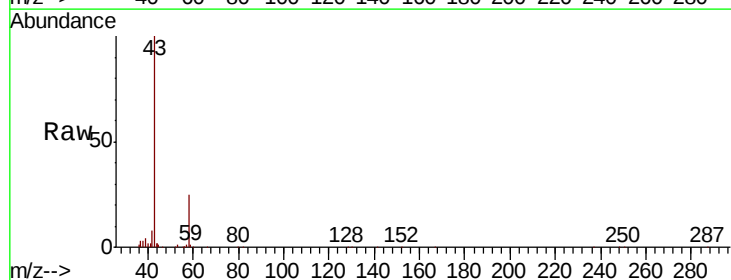
#13
Ethanol
Concen: 14.860 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 23:07

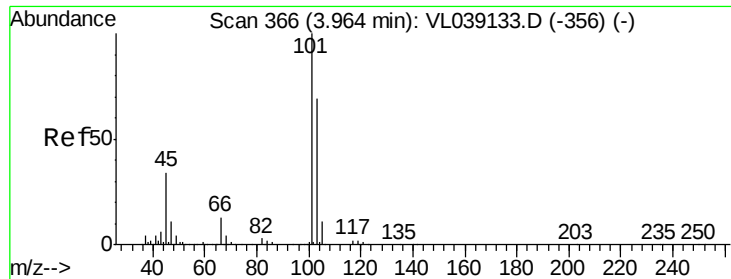
Tot Ion: 45 Resp: 48893
Ion Ratio Lower Upper
45 100
46 80.3 0.0 0.0#



#15
Acetone
Concen: 2.153 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL039353.D
Acq: 24 Jun 2022 23:07

Tgt Ion: 43 Resp: 243871
Ion Ratio Lower Upper
43 100
58 30.2 22.5 33.7





#19

Isopropyl Alcohol

Concen: 1.124 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

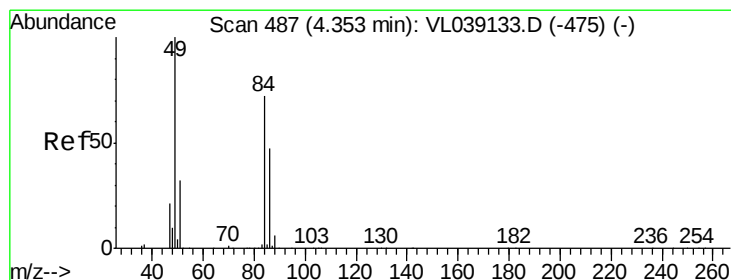
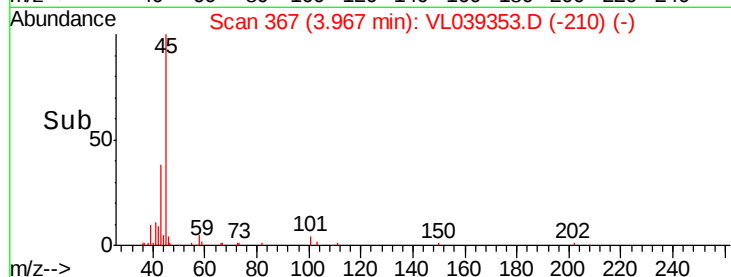
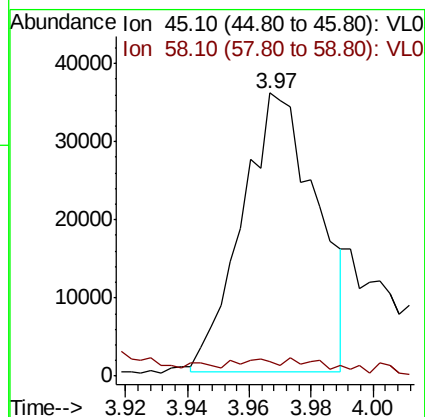
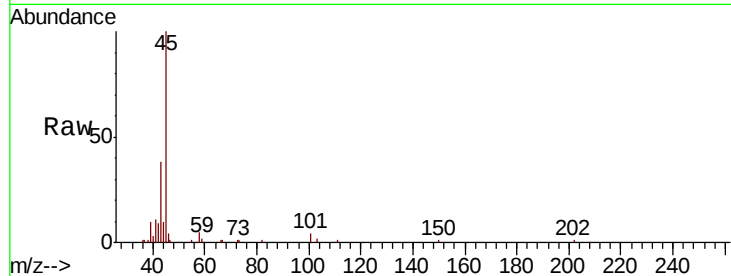
Acq: 24 Jun 2022 23:07

Tot Ion: 45 Resp: 59700

Ion Ratio Lower Upper

45 100

58 5.7 1.8 2.8#



#20

Methylene Chloride

Concen: 0.434 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039353.D

Acq: 24 Jun 2022 23:07

Tgt Ion: 84 Resp: 20704

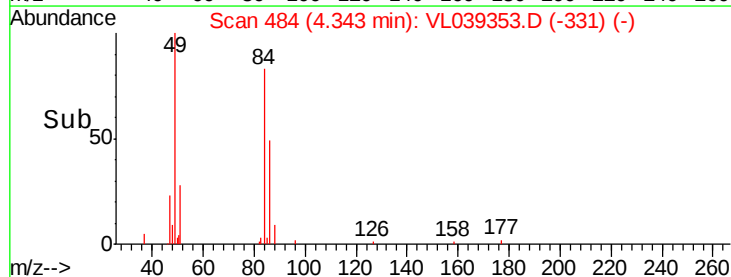
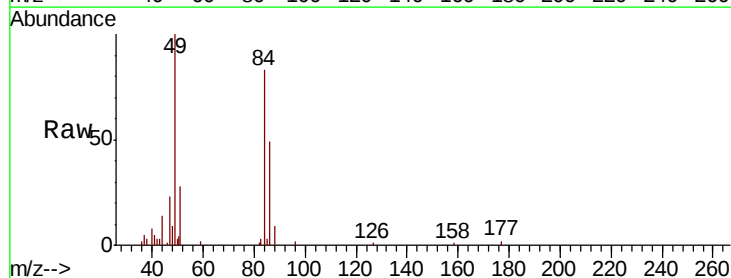
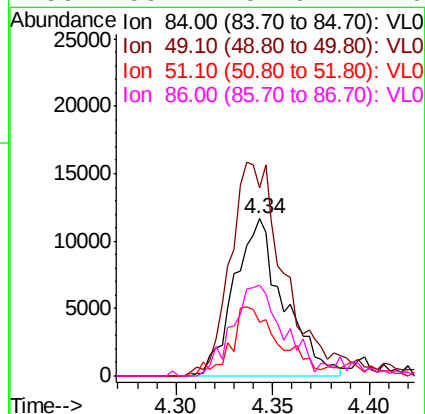
Ion Ratio Lower Upper

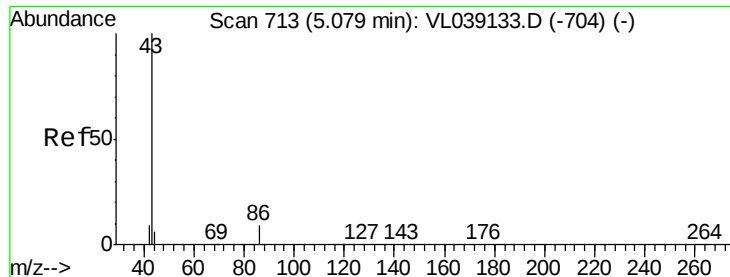
84 100

49 120.7 111.1 166.7

51 32.2 35.3 52.9#

86 58.2 51.9 77.9





#23

Vinyl Acetate

Concen: 0.069 ppbv

RT: 5.07 Instrument:

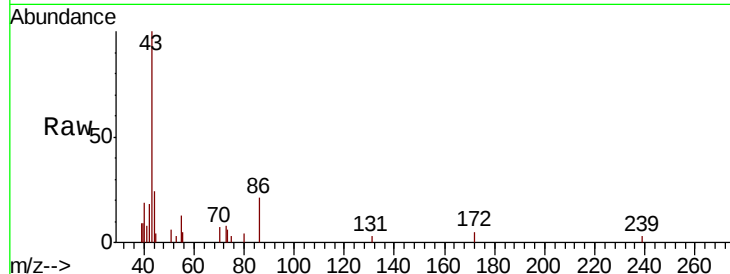
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 23:07

Tot Ion: 43 Resp: 6479

Ion	Ratio	Lower	Upper
43	100		
86	23.0	6.0	9.0#
42	12.0	8.2	12.4
44	0.0	4.3	6.5#

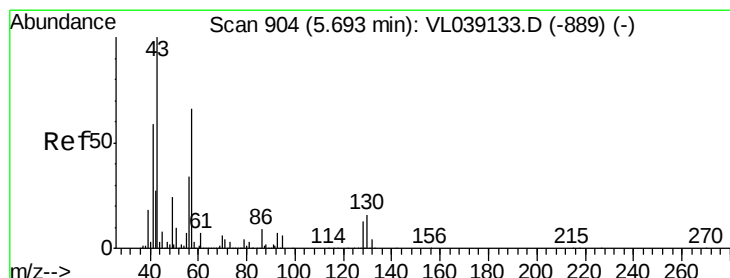
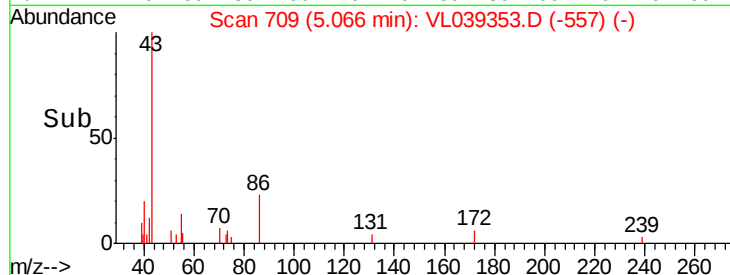
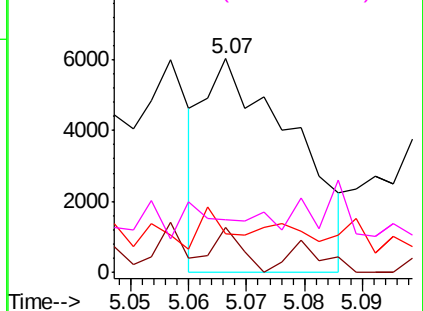


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#26

Hexane

Concen: 0.036 ppbv

RT: 5.68 min Scan# 901

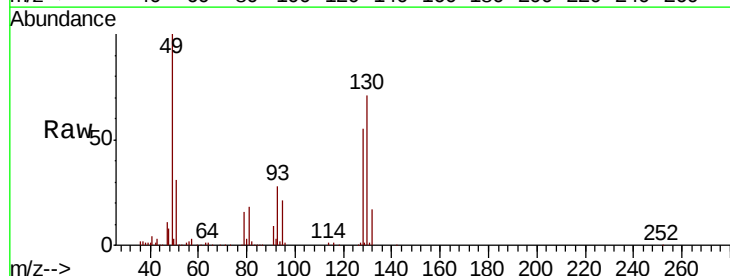
Delta R.T. -0.01 min

Lab File: VL039353.D

Acq: 24 Jun 2022 23:07

Tgt Ion: 57 Resp: 4085

Ion	Ratio	Lower	Upper
57	100		
41	316.1	72.4	108.6#
43	0.0	187.0	280.6#
56	176.5	41.8	62.6#

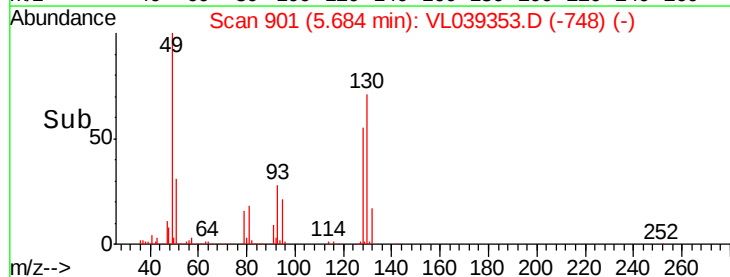
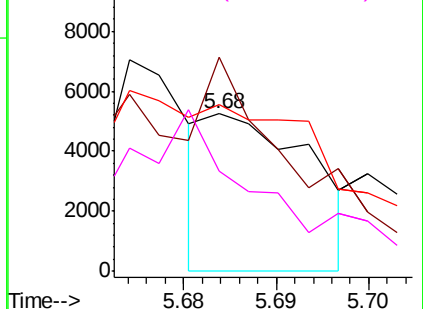


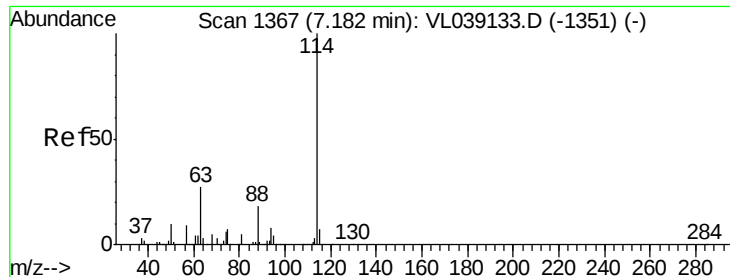
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 23:07

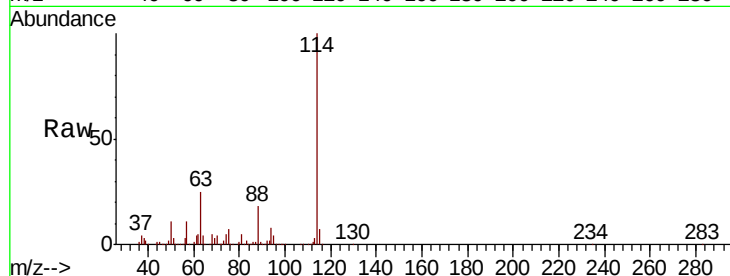
Tot Ion: 114 Resp: 3145830

Ion Ratio Lower Upper

114 100

63 25.2 21.7 32.5

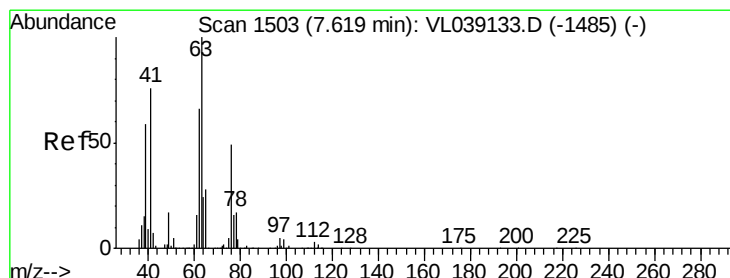
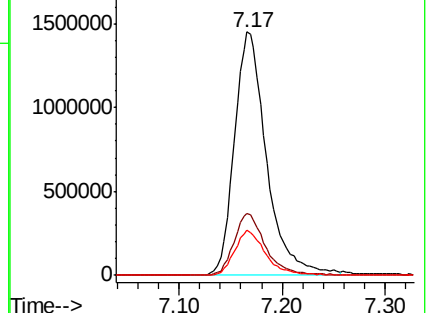
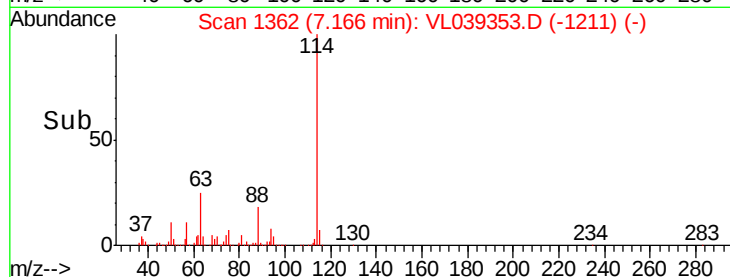
88 18.2 14.8 22.2



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.712 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL039353.D

Acq: 24 Jun 2022 23:07

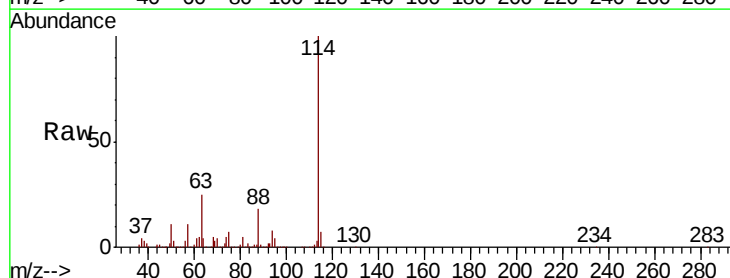
Tgt Ion: 63 Resp: 783394

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

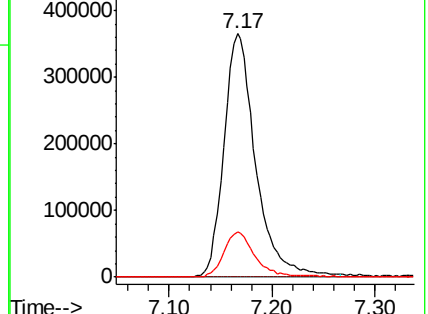
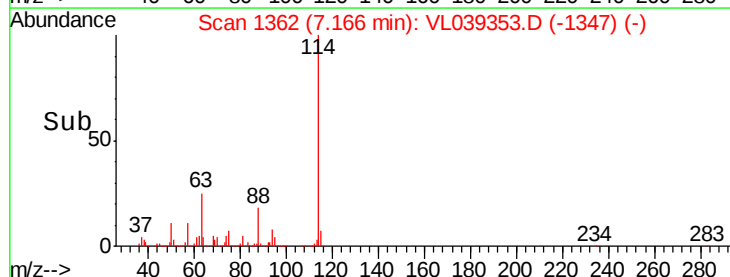
62 18.4 52.9 79.3#

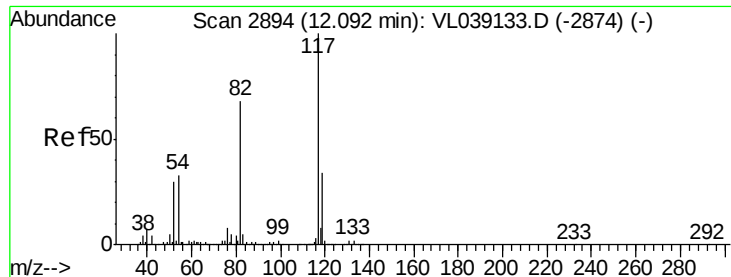


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

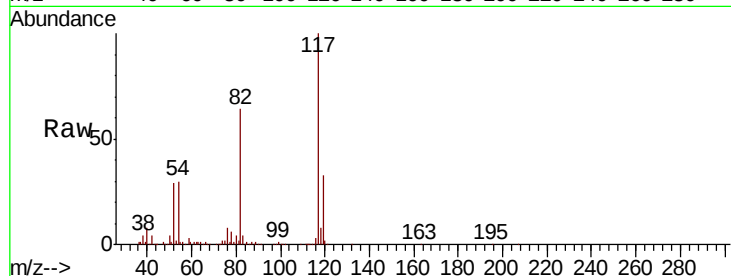




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 23:07

Tot Ion: 117 Resp: 2704462

Ion	Ratio	Lower	Upper
117	100		
82	66.0	55.1	82.7
119	33.7	24.7	37.1

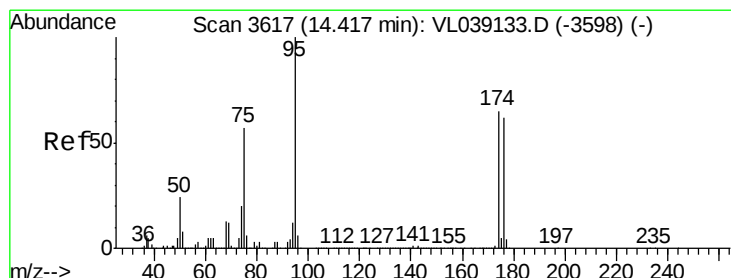
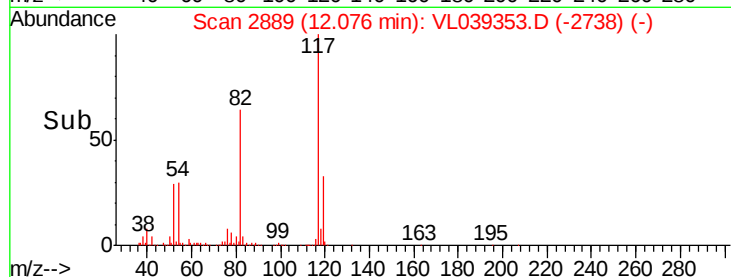
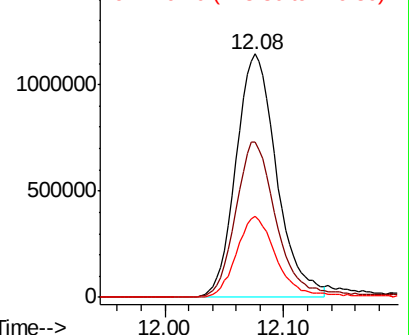


Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

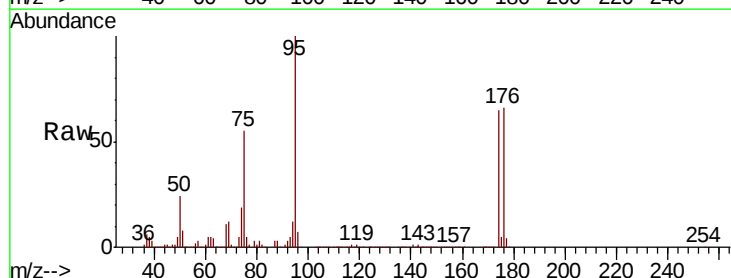
Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.937 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T.: -0.01 min
 Lab File: VL039353.D
 Acq: 24 Jun 2022 23:07

Tgt Ion: 95 Resp: 1998267

Ion	Ratio	Lower	Upper
95	100		
174	72.3	53.8	80.8
175	5.3	4.1	6.1



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

