

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039358.D
 Acq On : 25 Jun 2022 2:30
 Operator : SY/AP
 Sample : N3453-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

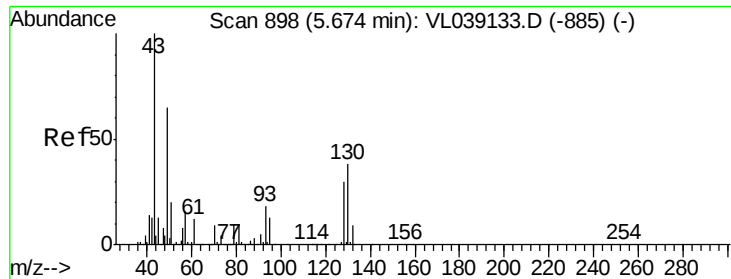
Quant Time: Jun 27 01:53:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1117566	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3097953	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2662791	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1952708	8.87	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.70%

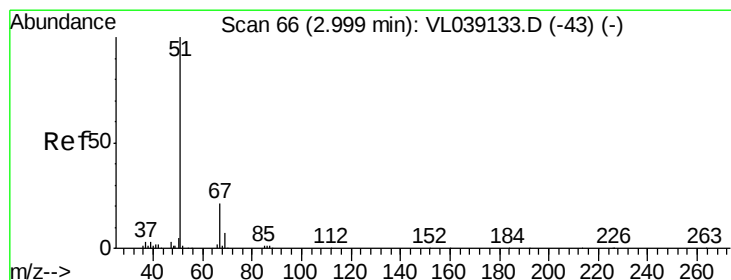
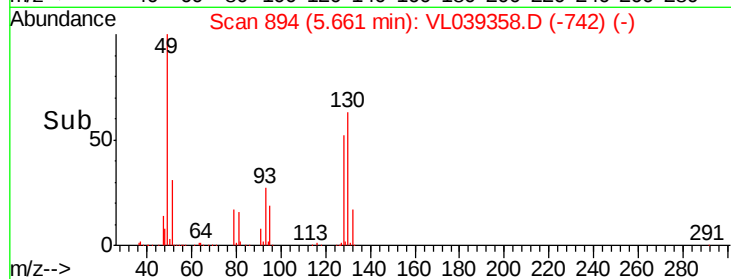
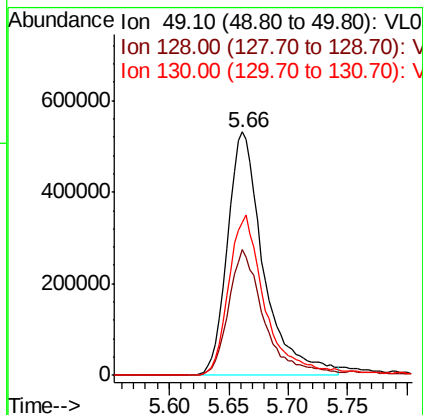
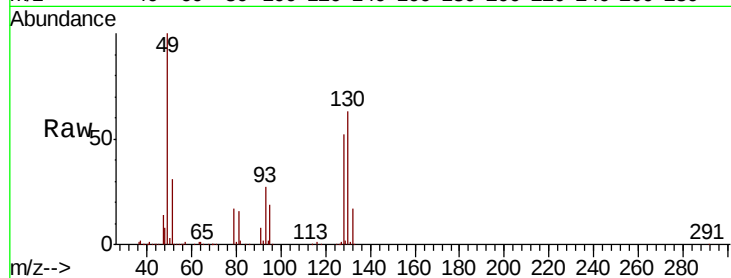
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	21807	0.153	ppbv	98
4) Chloromethane	3.14	50	5285	0.072	ppbv #	71
9) Propene	3.35	41	4979	0.080	ppbv	97
11) Trichlorofluoromethane	3.94	101	5792	0.033	ppbv	87
13) Ethanol	3.59	45	211489	62.545	ppbv #	100
15) Acetone	3.84	43	608951	5.231	ppbv	99
17) tert-Butyl alcohol	4.30	59	2862	0.032	ppbv #	70
19) Isopropyl Alcohol	3.96	45	177913	3.258	ppbv #	91
20) Methylene Chloride	4.34	84	26476	0.540	ppbv	91
23) Vinyl Acetate	5.06	43	26488	0.275	ppbv #	86
25) Ethyl Acetate	5.68	43	16297	0.062	ppbv #	77
26) Hexane	5.68	57	16438	0.143	ppbv #	44
34) 2-Butanone	5.24	43	8995	0.053	ppbv #	53
39) 1,2-Dichloropropane	7.17	63	770228	7.699	ppbv #	25
53) Toluene	9.79	91	10823	0.037	ppbv #	21

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



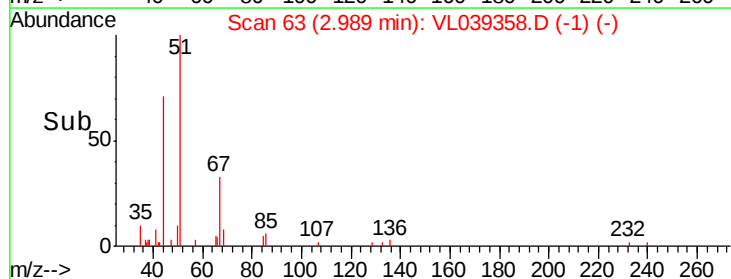
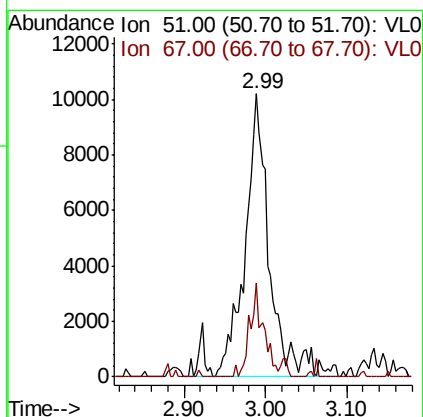
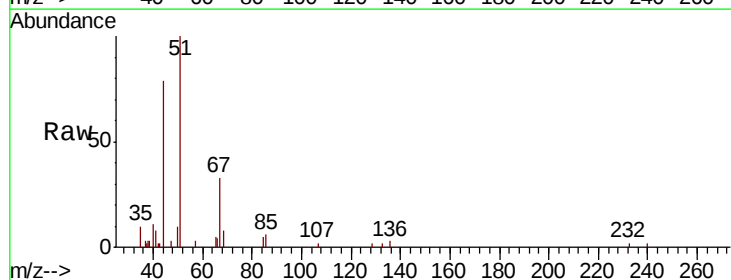
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jun 2022 2:30

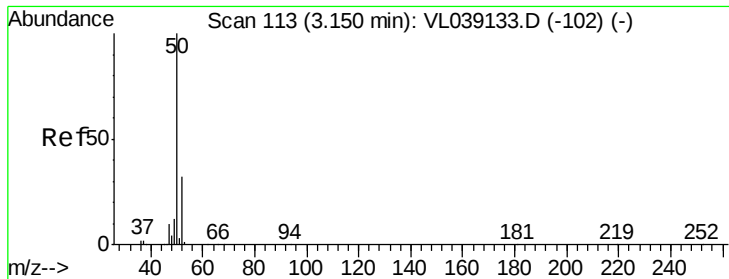
Tot Ion: 49 Resp: 1117566
 Ion Ratio Lower Upper
 49 100
 128 53.1 24.7 74.1
 130 68.8 31.4 94.0



#3
 Chlorodifluoromethane
 Concen: 0.153 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL039358.D
 Acq: 25 Jun 2022 2:30

Tgt Ion: 51 Resp: 21807
 Ion Ratio Lower Upper
 51 100
 67 19.5 16.2 24.4





#4

Chloromethane

Concen: 0.072 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

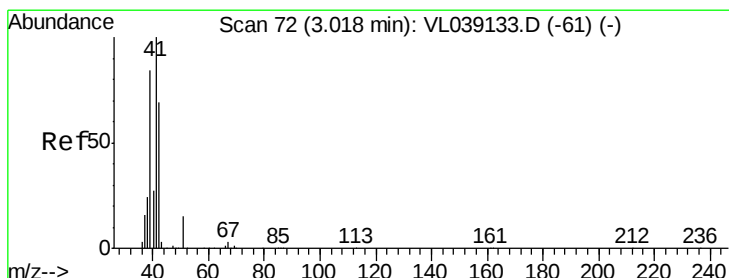
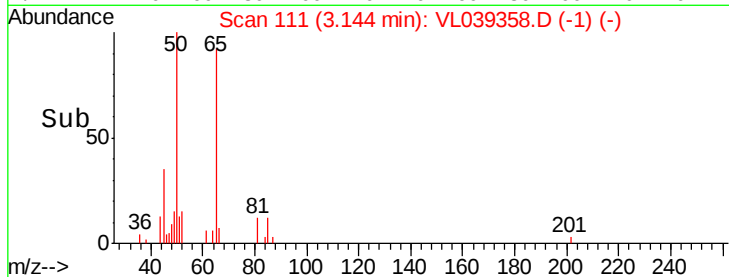
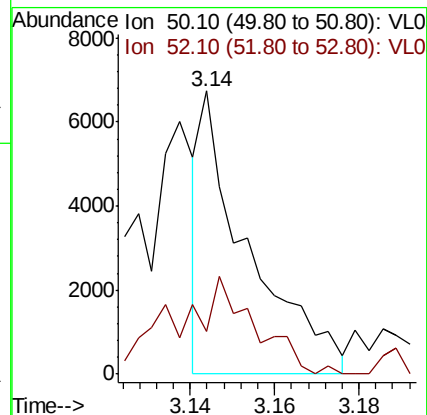
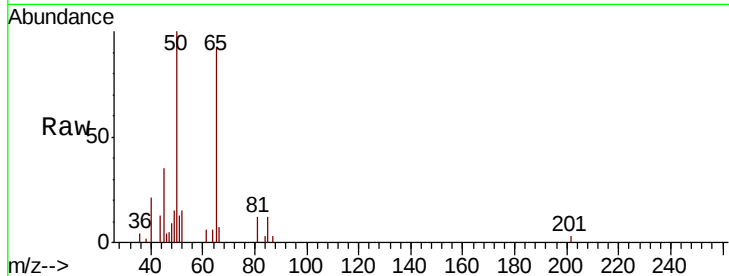
Acq: 25 Jun 2022 2:30

Tot Ion: 50 Resp: 5285

Ion Ratio Lower Upper

50 100

52 16.1 25.9 38.9#



#9

Propene

Concen: 0.080 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.33 min

Lab File: VL039358.D

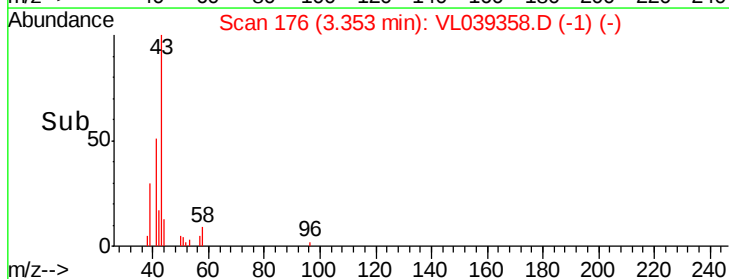
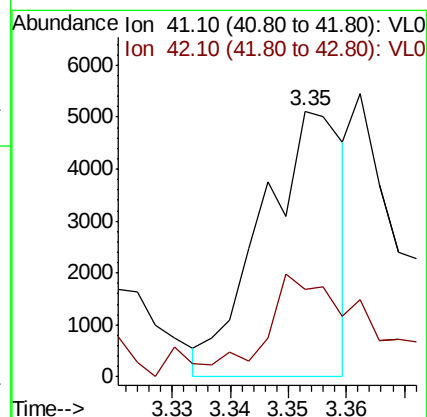
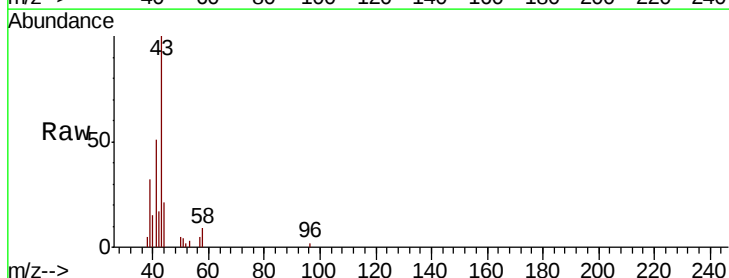
Acq: 25 Jun 2022 2:30

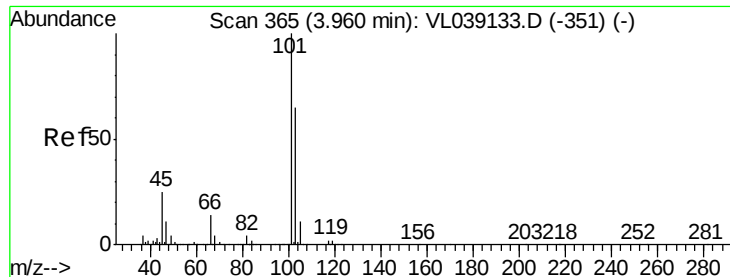
Tgt Ion: 41 Resp: 4979

Ion Ratio Lower Upper

41 100

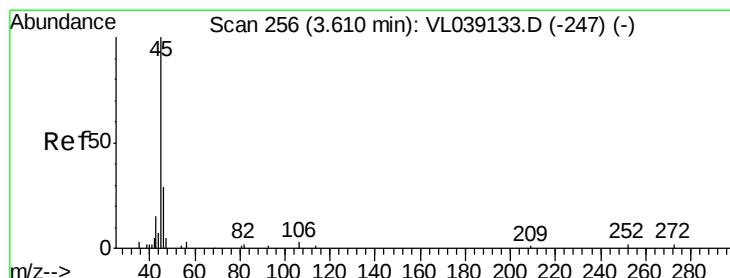
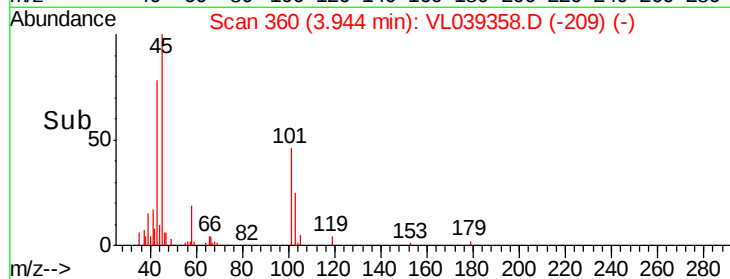
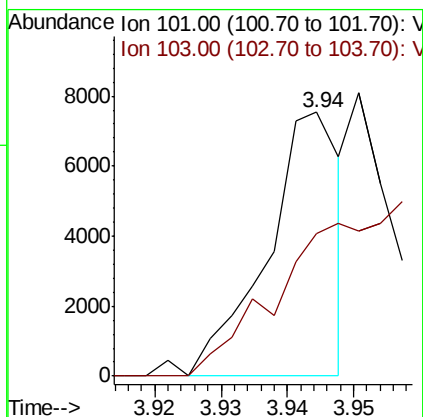
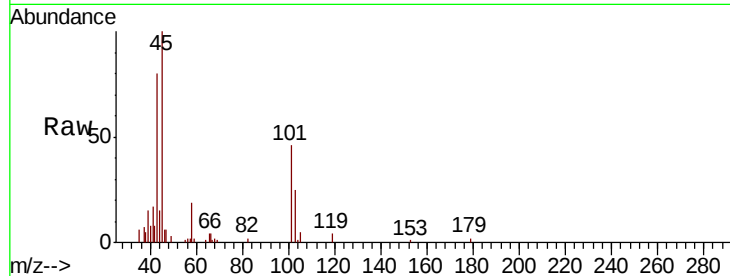
42 71.4 55.4 83.2





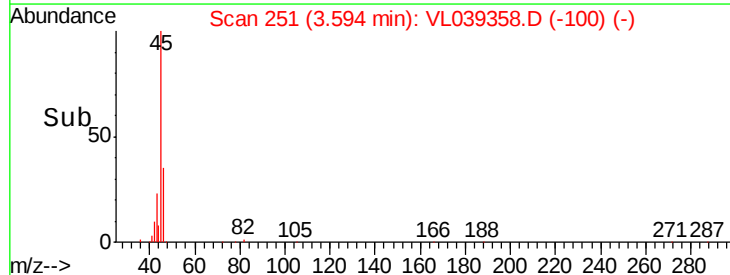
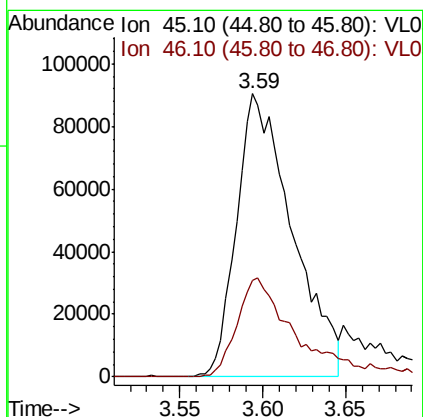
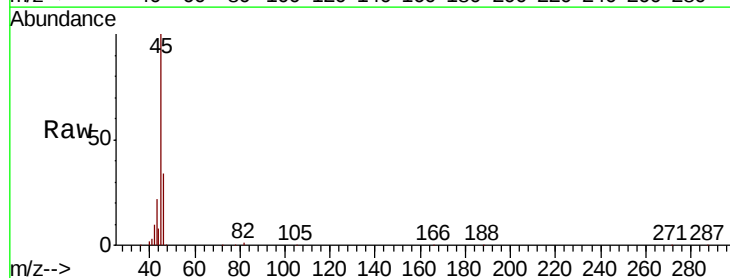
#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.94 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: SG-1
 Acq: 25 Jun 2022 2:30

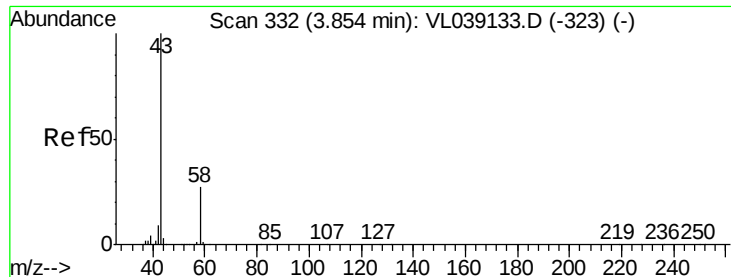
Tot Ion: 101 Resp: 5792
 Ion Ratio Lower Upper
 101 100
 103 54.2 51.7 77.5



#13
 Ethanol
 Concen: 62.545 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.02 min
 Lab File: VL039358.D
 Acq: 25 Jun 2022 2:30

Tgt Ion: 45 Resp: 211489
 Ion Ratio Lower Upper
 45 100
 46 38.4 0.0 0.0#





#15

Acetone

Concen: 5.231 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

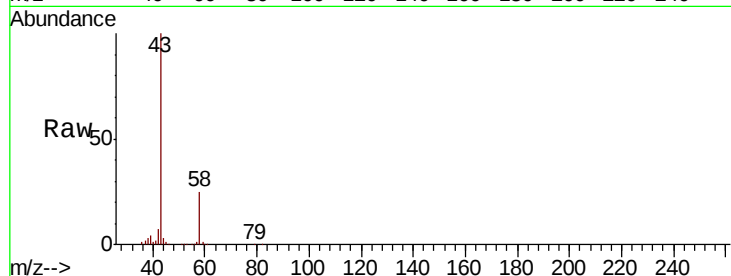
Acq: 25 Jun 2022 2:30

Tot Ion: 43 Resp: 608951

Ion Ratio Lower Upper

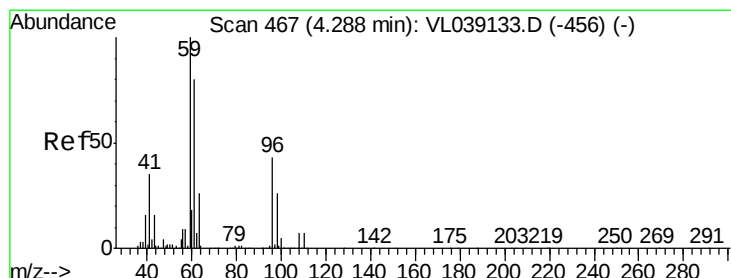
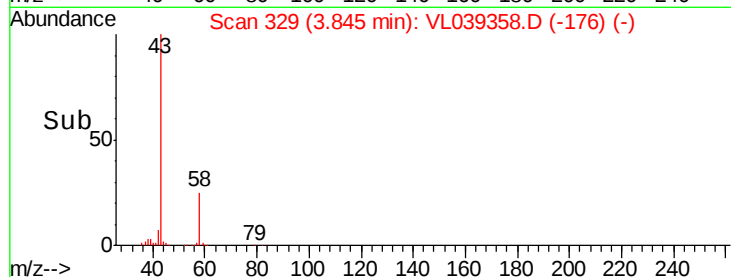
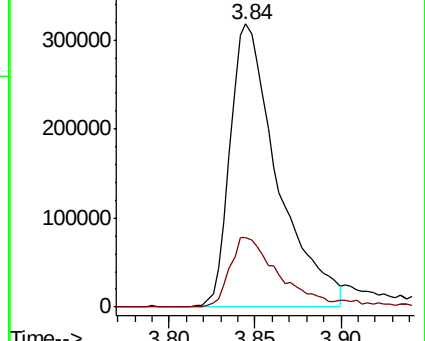
43 100

58 27.4 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.032 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL039358.D

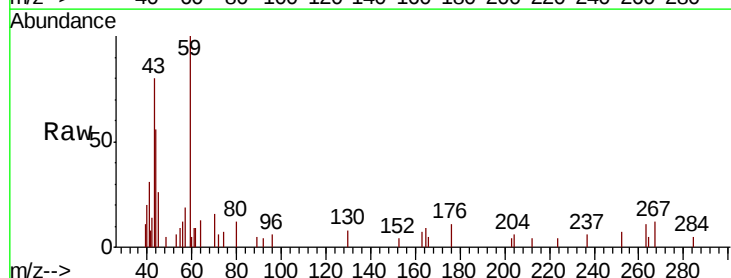
Acq: 25 Jun 2022 2:30

Tgt Ion: 59 Resp: 2862

Ion Ratio Lower Upper

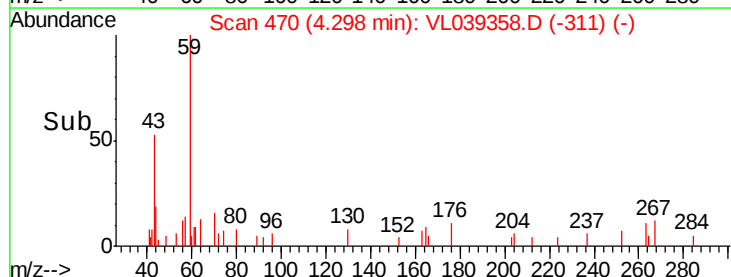
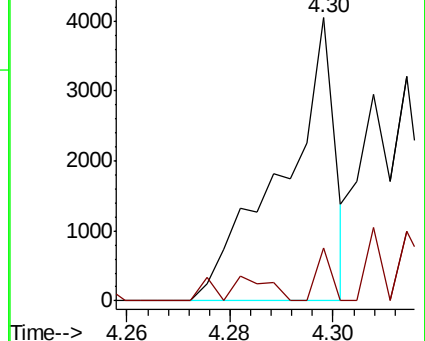
59 100

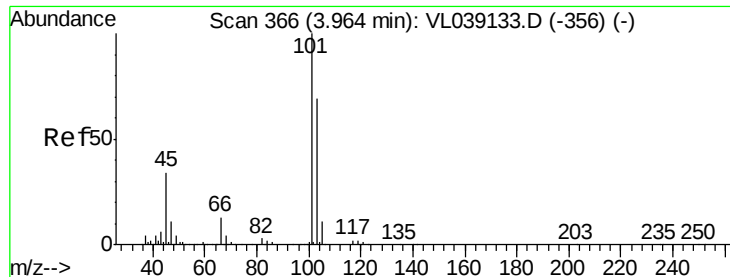
57 0.0 9.1 13.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#19

Isopropyl Alcohol

Concen: 3.258 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-1

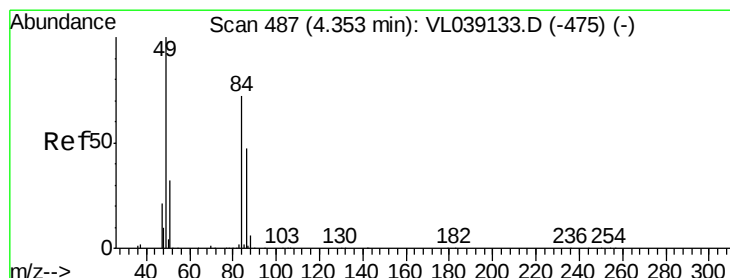
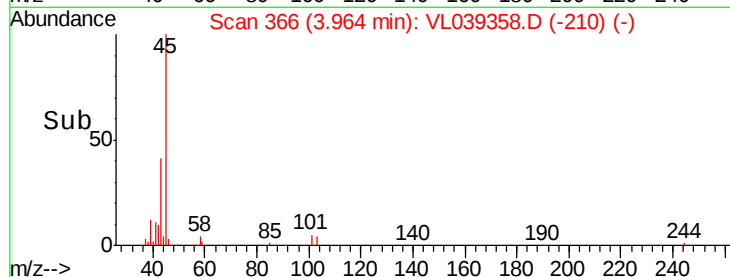
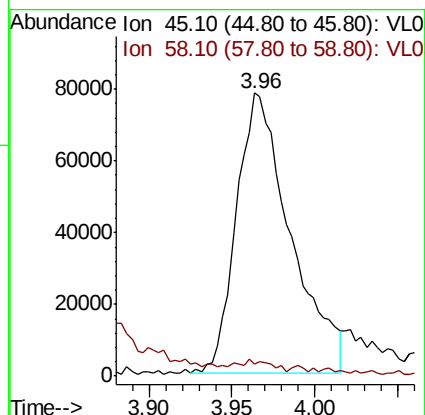
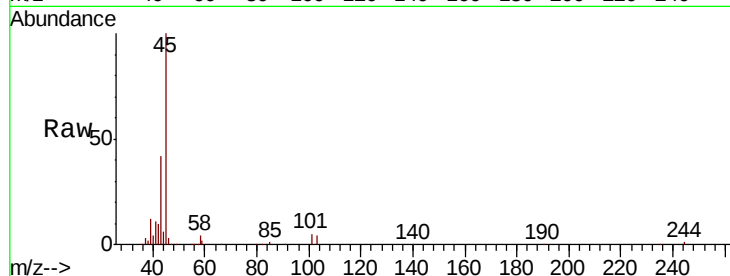
Acq: 25 Jun 2022 2:30

Tot Ion: 45 Resp: 177913

Ion Ratio Lower Upper

45 100

58 5.4 1.8 2.8#



#20

Methylene Chloride

Concen: 0.540 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039358.D

Acq: 25 Jun 2022 2:30

Tgt Ion: 84 Resp: 26476

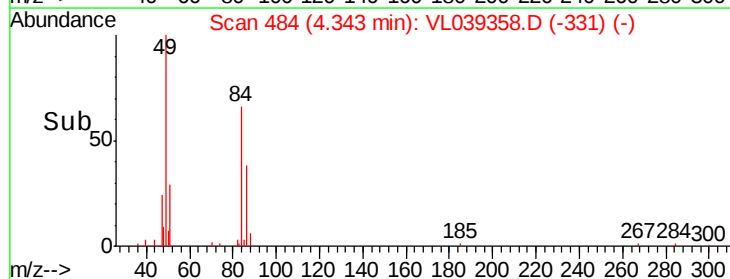
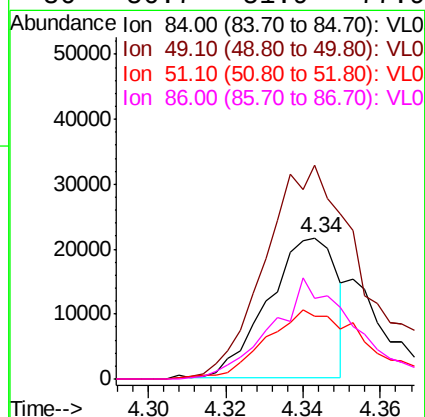
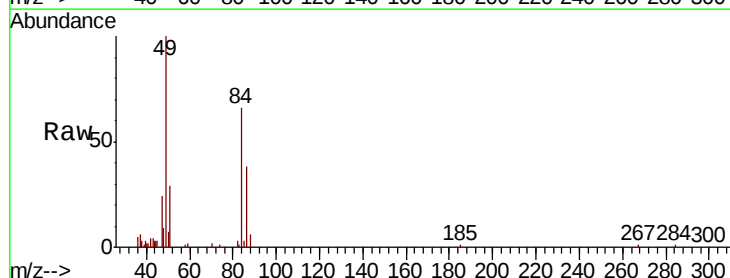
Ion Ratio Lower Upper

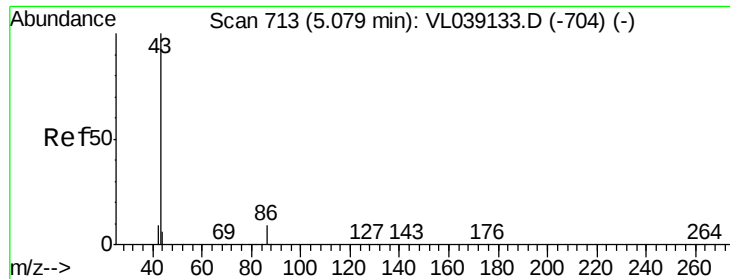
84 100

49 151.2 111.1 166.7

51 42.5 35.3 52.9

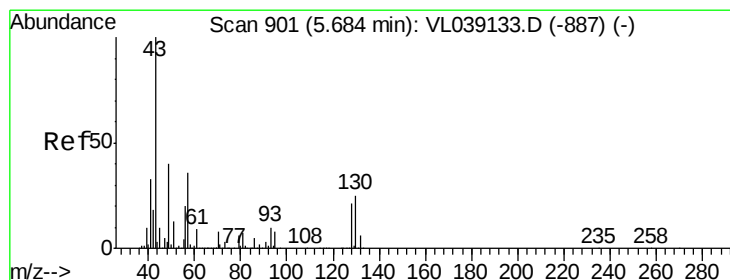
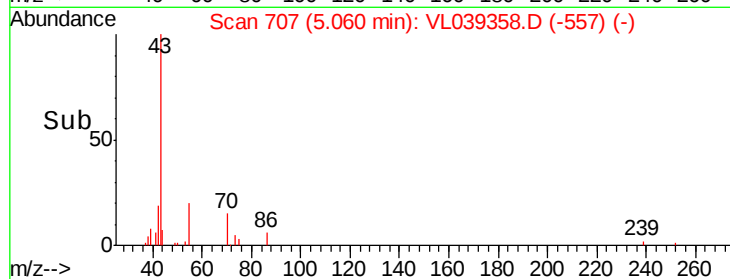
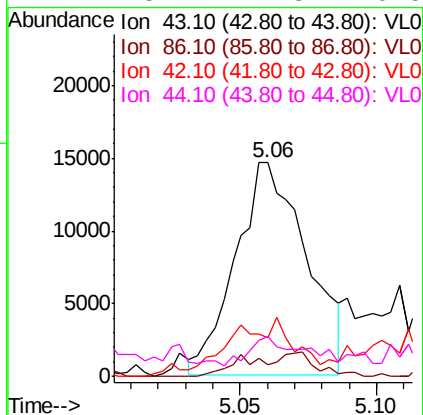
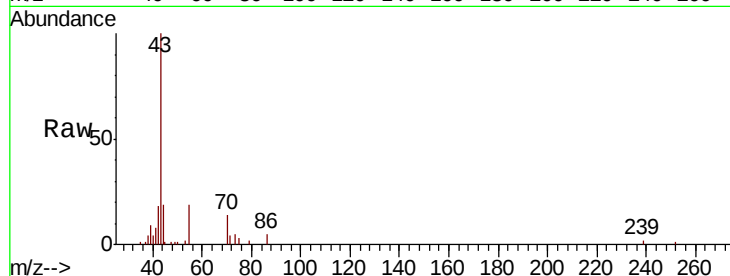
86 56.7 51.9 77.9





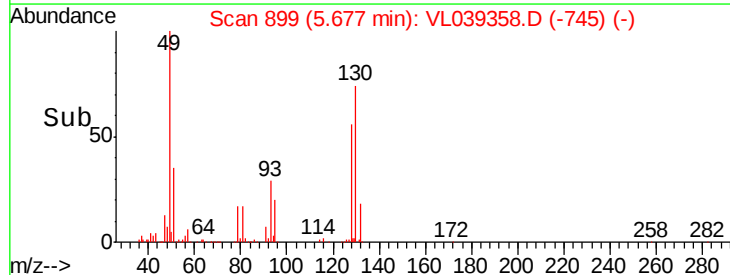
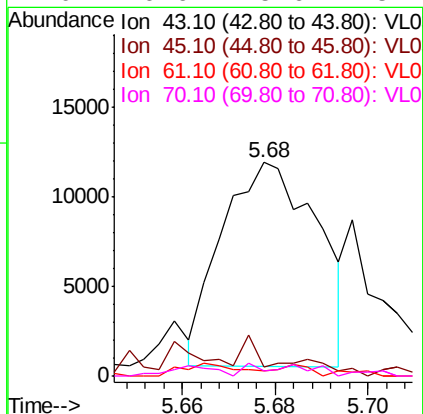
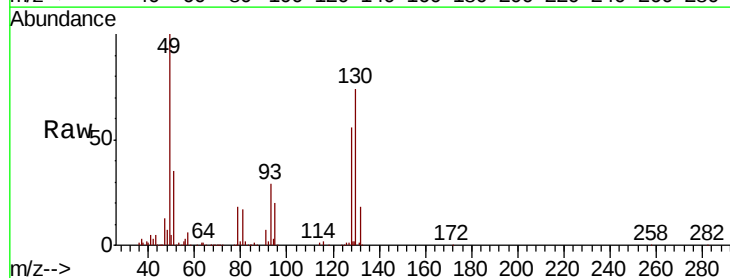
#23
 Vinyl Acetate
 Concen: 0.275 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SG-1
 Acq: 25 Jun 2022 2:30

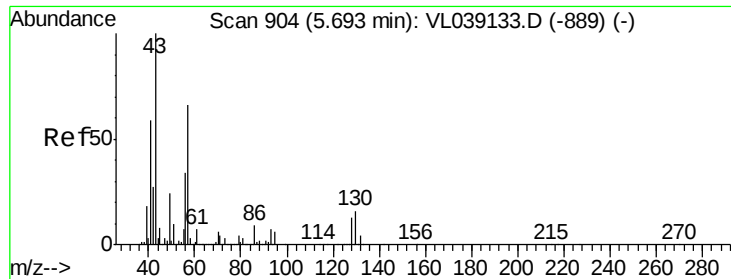
Tot Ion:	43	Resp:	26488
Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.0	9.0#
42	15.9	8.2	12.4#
44	13.1	4.3	6.5#



#25
 Ethyl Acetate
 Concen: 0.062 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL039358.D
 Acq: 25 Jun 2022 2:30

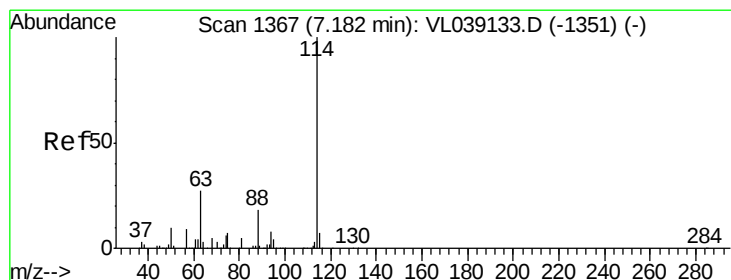
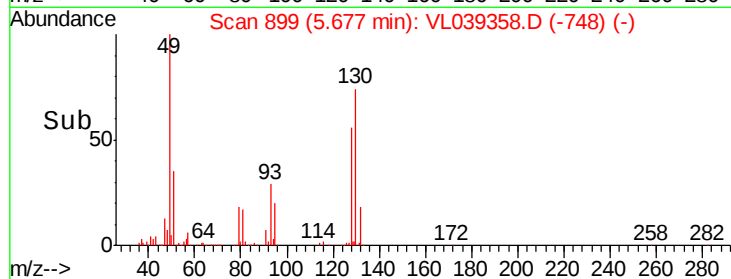
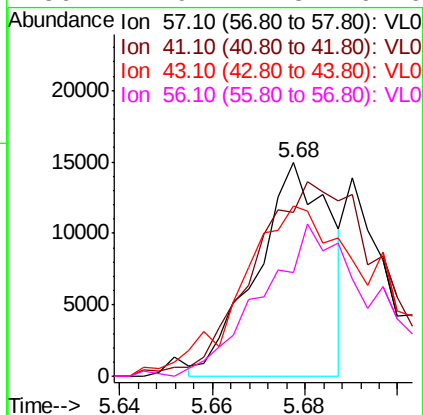
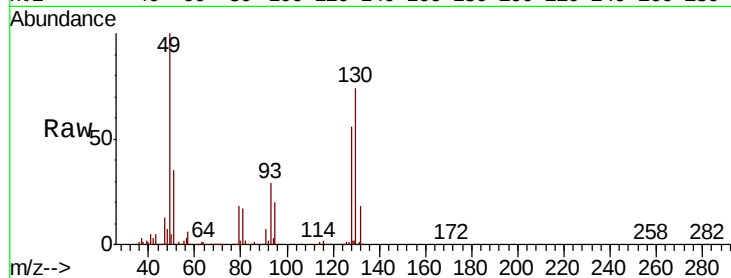
Tgt Ion:	43	Resp:	16297
Ion	Ratio	Lower	Upper
43	100		
45	22.2	8.2	12.2#
61	0.0	8.4	12.6#
70	6.6	5.6	8.4





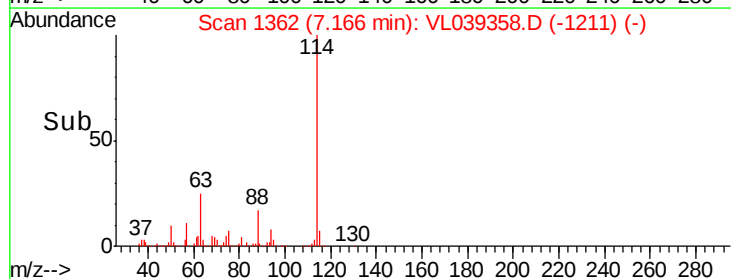
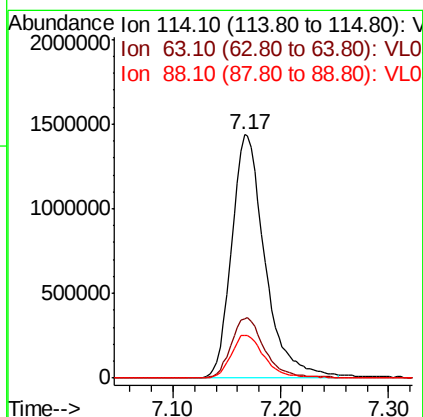
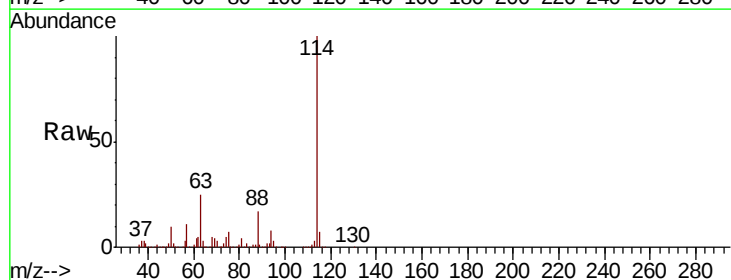
#26
Hexane
Concen: 0.143 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jun 2022 2:30

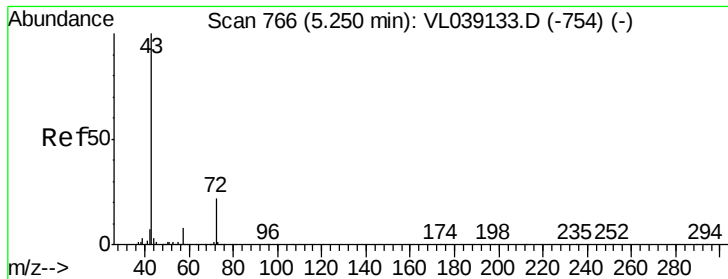
Tot Ion: 57 Resp: 16438
Ion Ratio Lower Upper
57 100
41 175.6 72.4 108.6#
43 174.1 187.0 280.6#
56 112.9 41.8 62.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL039358.D
Acq: 25 Jun 2022 2:30

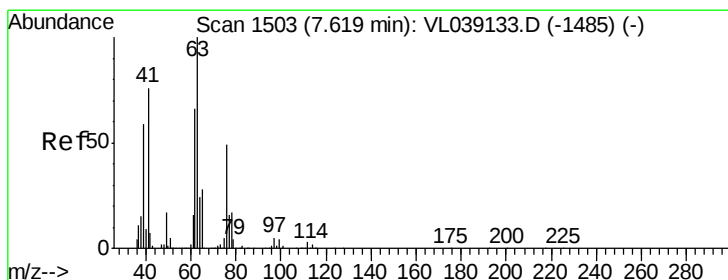
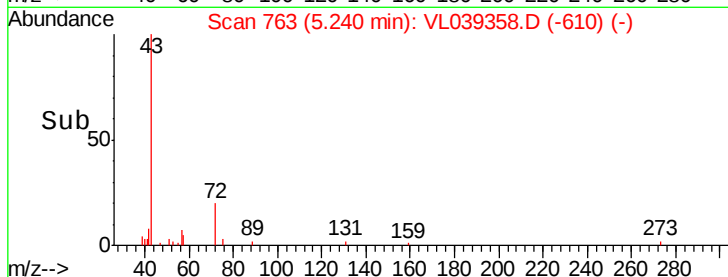
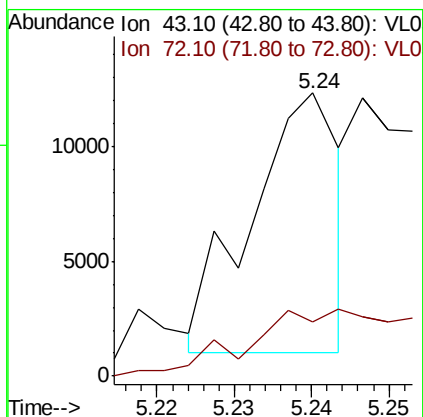
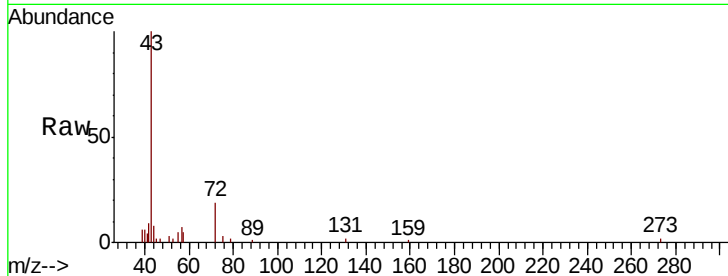
Tgt Ion: 114 Resp: 3097953
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 18.1 14.8 22.2





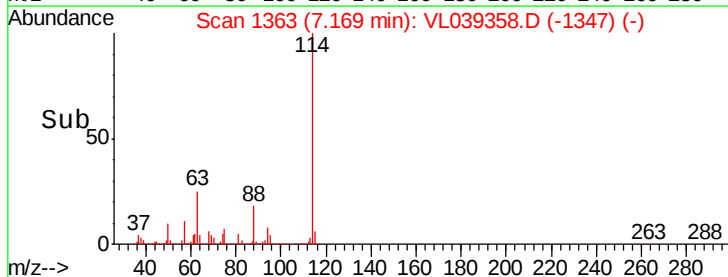
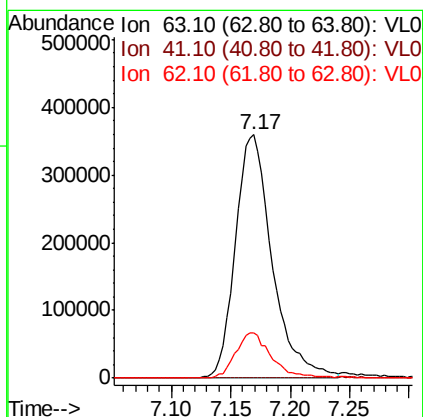
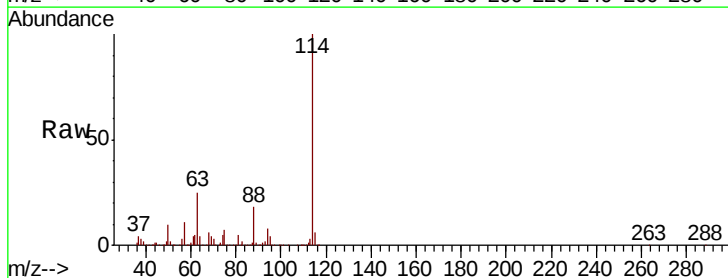
#34
2-Butanone
Concen: 0.053 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jun 2022 2:30

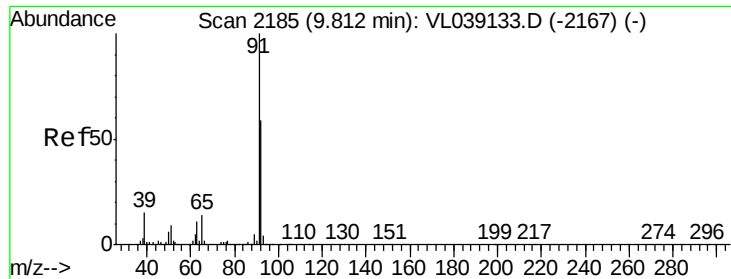
Tot Ion: 43 Resp: 8995
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#39
1,2-Dichloropropane
Concen: 7.699 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL039358.D
Acq: 25 Jun 2022 2:30

Tgt Ion: 63 Resp: 770228
Ion Ratio Lower Upper
63 100
41 0.0 60.8 91.2#
62 18.7 52.9 79.3#





#53

Toluene

Concen: 0.037 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

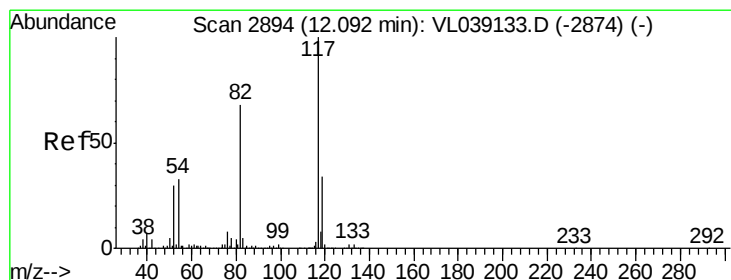
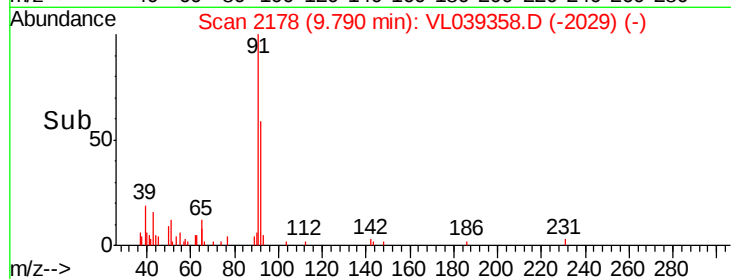
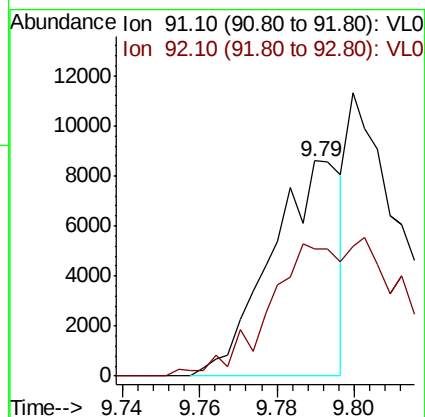
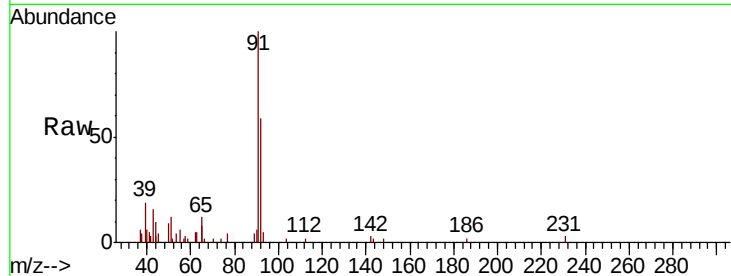
Acq: 25 Jun 2022 2:30

Tot Ion: 91 Resp: 10823

Ion Ratio Lower Upper

91 100

92 0.0 48.1 72.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL039358.D

Acq: 25 Jun 2022 2:30

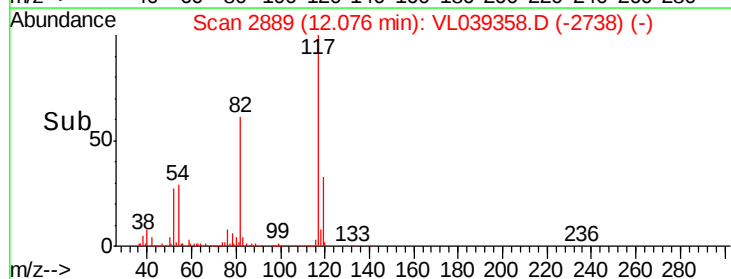
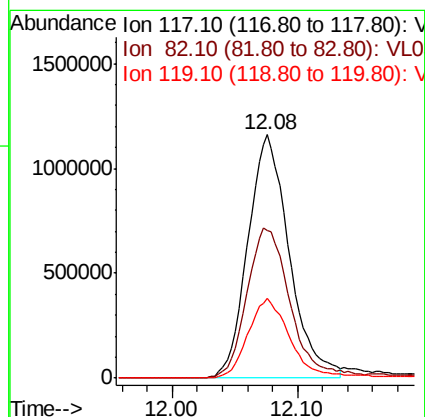
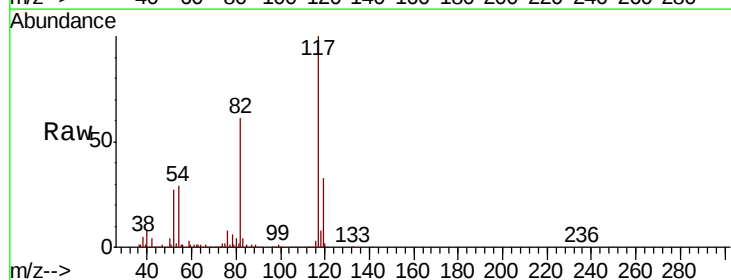
Tgt Ion: 117 Resp: 2662791

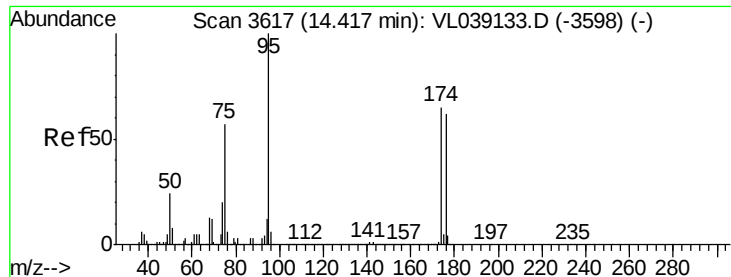
Ion Ratio Lower Upper

117 100

82 67.0 55.1 82.7

119 34.8 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 8.870 ppbv

RT: 14.40 Instrument :

Delta R.T MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jun 2022 2:30 SG-1

Tot Ion: 95 Resp: 1952708

Ion Ratio Lower Upper

95 100

174 73.8 53.8 80.8

175 5.5 4.1 6.1

