

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039382.D
 Acq On : 28 Jun 2022 7:13
 Operator : SY/AP
 Sample : N3508-02DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-6-20220624DL

Quant Time: Jun 28 08:46:26 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	5.65	49	924612	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2879726	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2537401	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1886044	8.99	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.90%

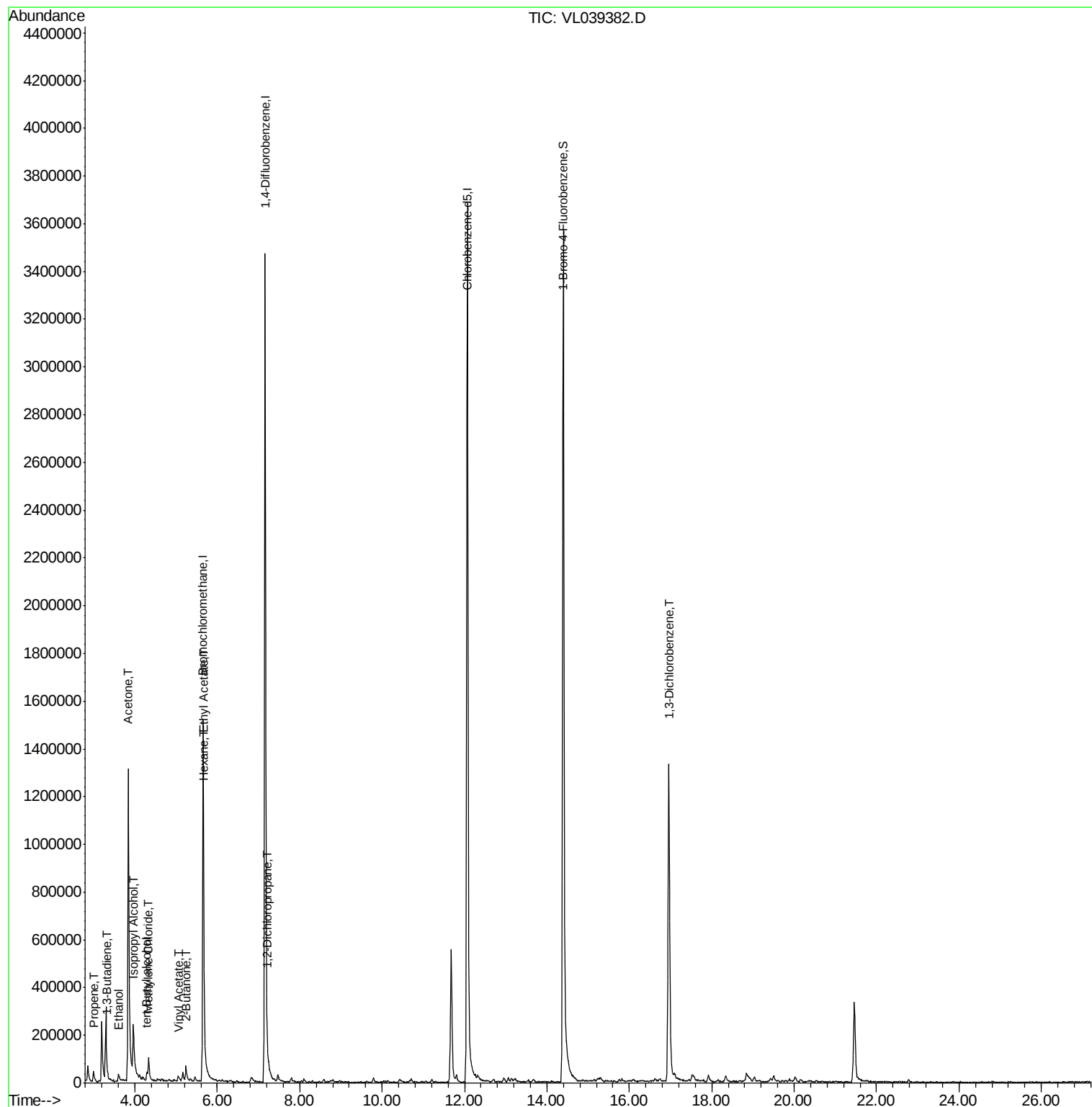
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	1967	0.038	ppbv #	15
13) Ethanol	3.60	45	17570	6.280	ppbv #	100
15) Acetone	3.84	43	1790000	18.585	ppbv	95
16) 1,3-Butadiene	3.32	39	5136	0.099	ppbv #	8
17) tert-Butyl alcohol	4.28	59	4110	0.055	ppbv #	70
19) Isopropyl Alcohol	3.96	45	243533	5.391	ppbv #	1
20) Methylene Chloride	4.33	84	28197	0.695	ppbv	92
23) Vinyl Acetate	5.07	43	5167	0.065	ppbv #	59
25) Ethyl Acetate	5.67	43	12123	0.056	ppbv #	77
26) Hexane	5.67	57	10238	0.107	ppbv #	44
34) 2-Butanone	5.24	43	73679	0.471	ppbv	99
39) 1,2-Dichloropropane	7.21	63	10743	0.116	ppbv #	14
75) 1,3-Dichlorobenzene	16.97	146	8682	0.045	ppbv #	1

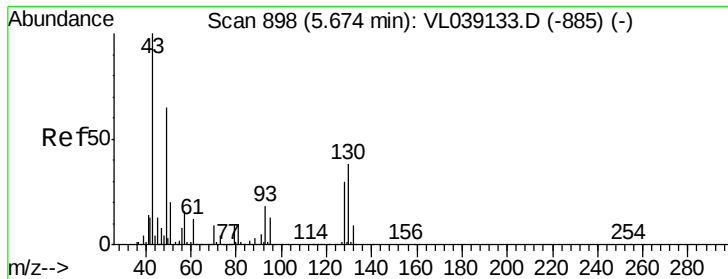
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062722\
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QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Jun 2022 7:13 SV-6-20220624DL

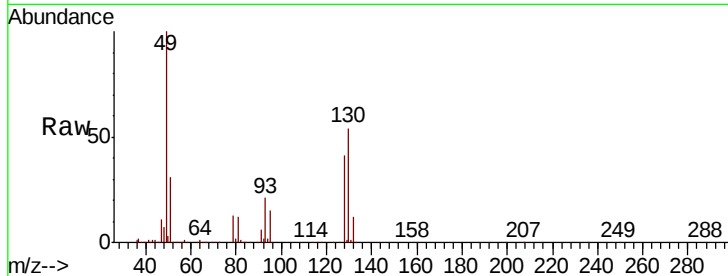
Tot Ion: 49 Resp: 924612

Ion Ratio Lower Upper

49 100

128 44.1 24.7 74.1

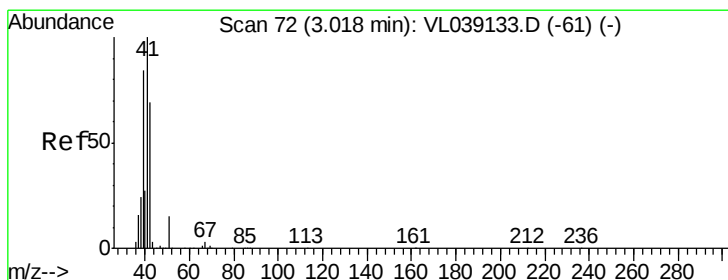
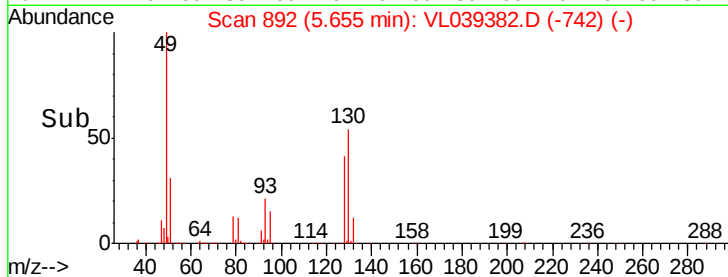
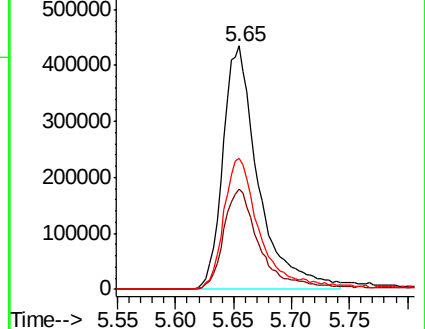
130 56.0 31.4 94.0



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



#9

Propene

Concen: 0.038 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL039382.D

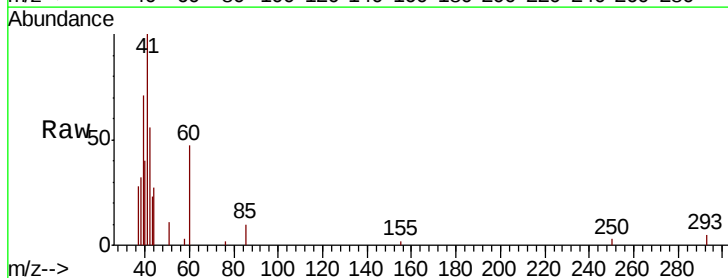
Acq: 28 Jun 2022 7:13

Tgt Ion: 41 Resp: 1967

Ion Ratio Lower Upper

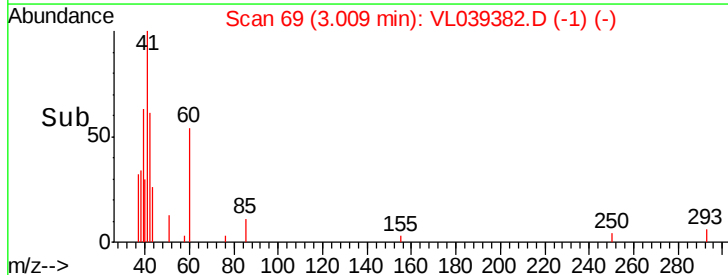
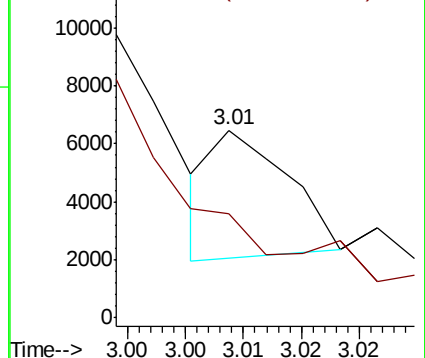
41 100

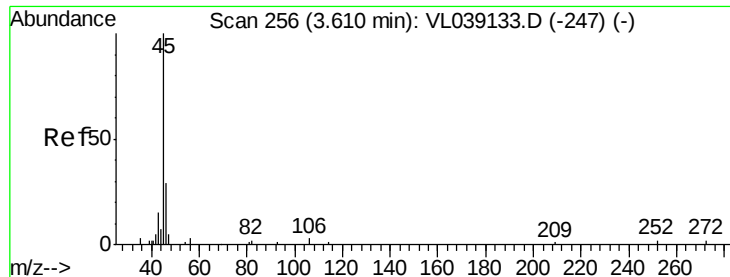
42 0.0 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

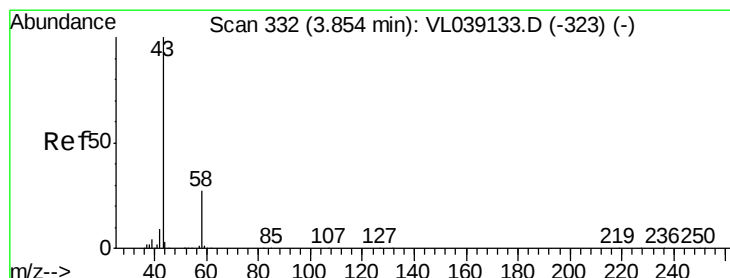
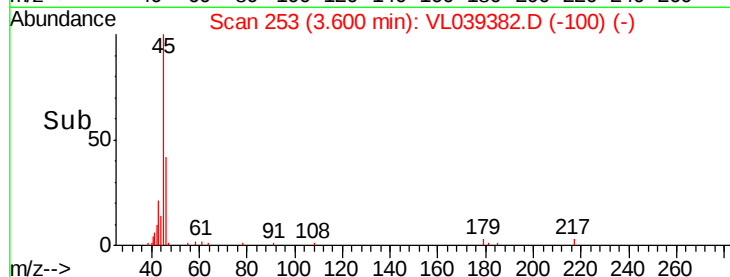
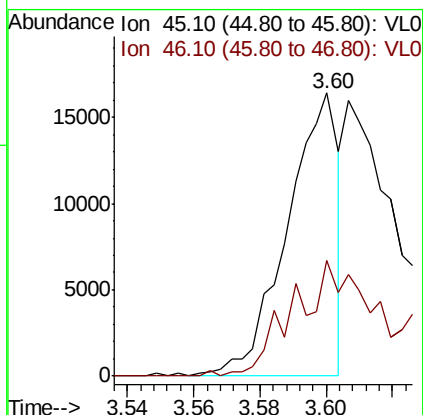
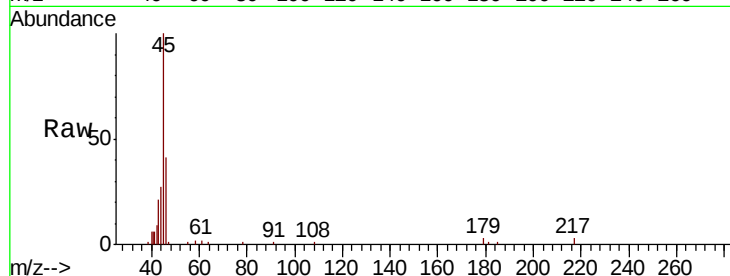
Ion 42.10 (41.80 to 42.80): VL0





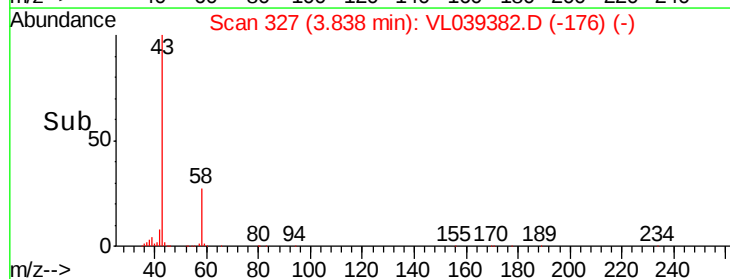
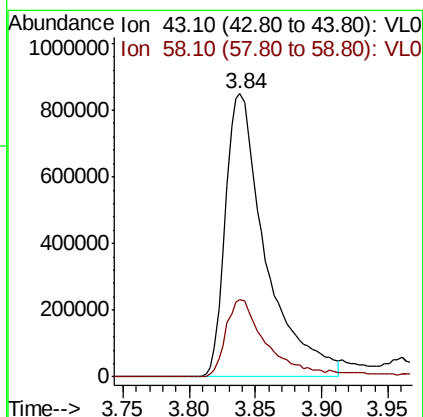
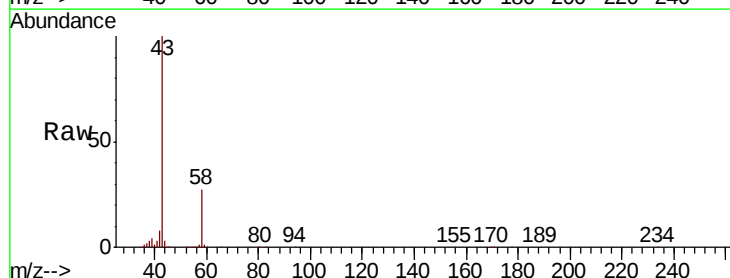
#13
Ethanol
Concen: 6.280 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-6-20220624DL
Acq: 28 Jun 2022 7:13

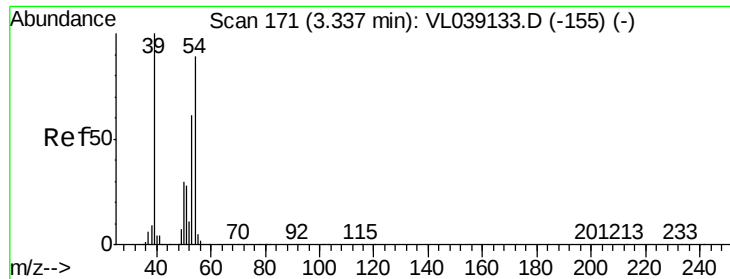
Tot Ion: 45 Resp: 17570
Ion Ratio Lower Upper
45 100
46 93.8 0.0 0.0#



#15
Acetone
Concen: 18.585 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL039382.D
Acq: 28 Jun 2022 7:13

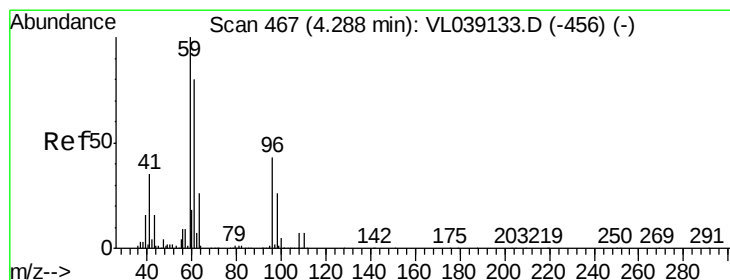
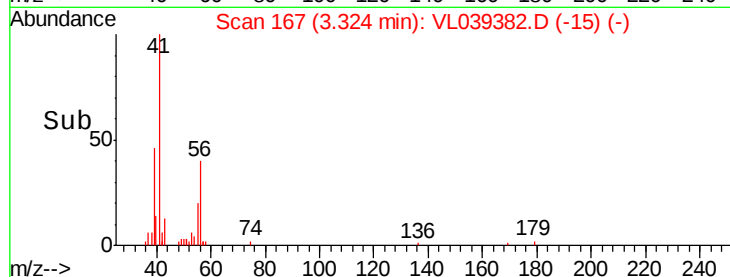
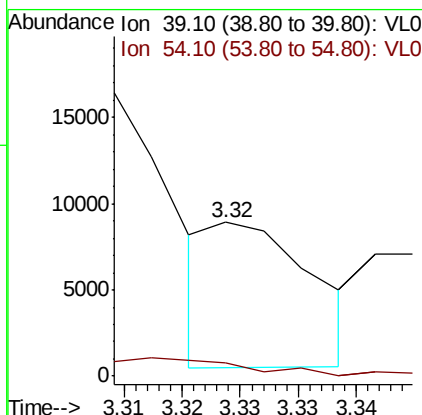
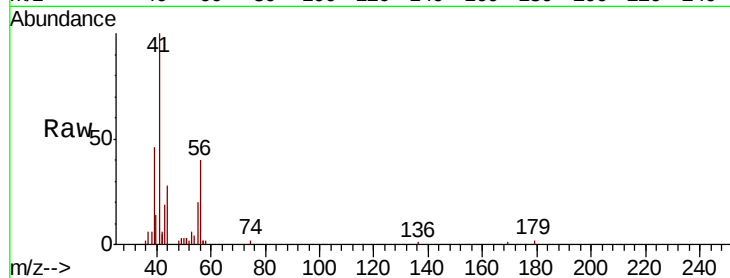
Tgt Ion: 43 Resp: 1790000
Ion Ratio Lower Upper
43 100
58 30.6 22.5 33.7





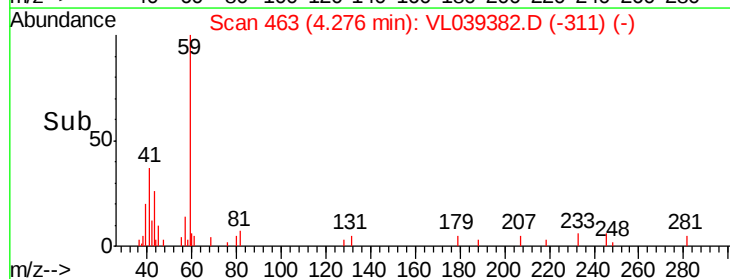
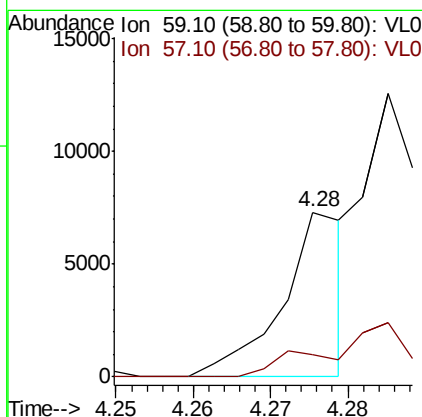
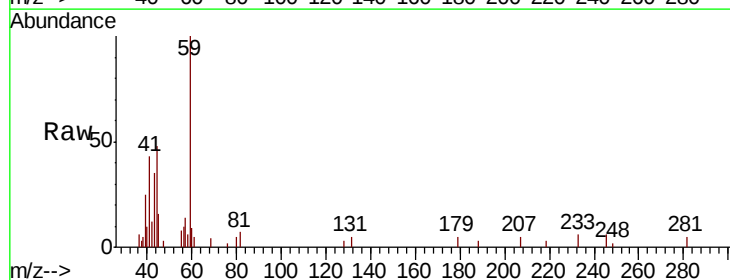
#16
 1,3-Butadiene
 Concen: 0.099 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-6-20220624DL
 Acq: 28 Jun 2022 7:13

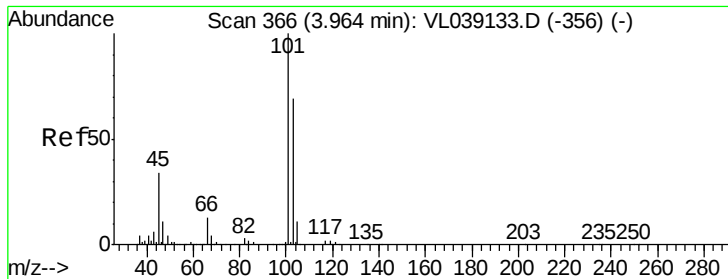
Tot Ion: 39 Resp: 5136
 Ion Ratio Lower Upper
 39 100
 54 0.0 65.8 98.6#



#17
 tert-Butyl alcohol
 Concen: 0.055 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VL039382.D
 Acq: 28 Jun 2022 7:13

Tgt Ion: 59 Resp: 4110
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 5.391 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

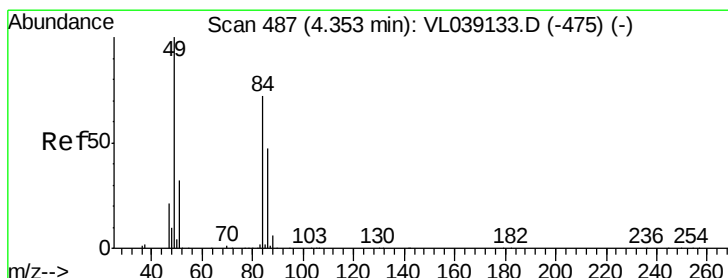
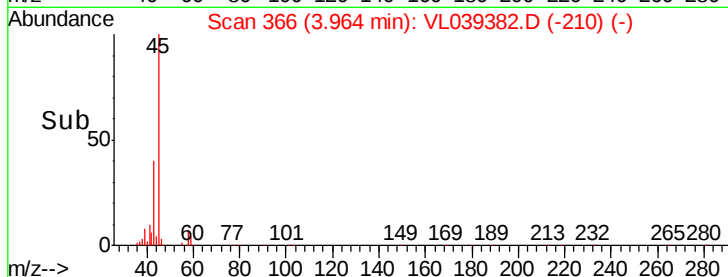
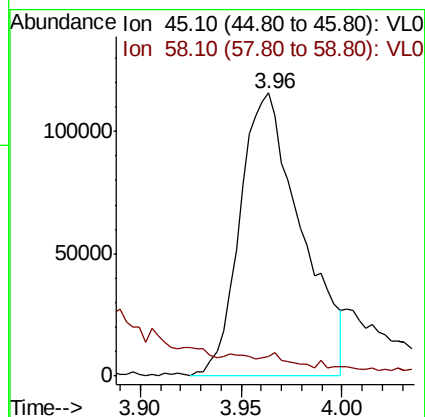
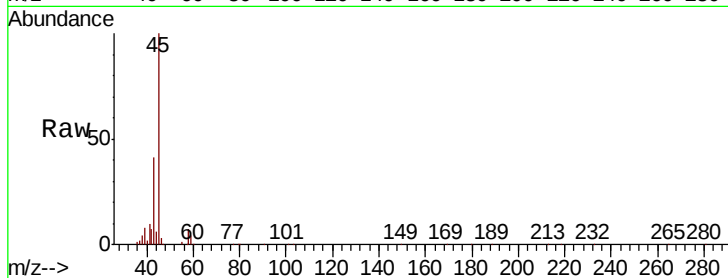
Acq: 28 Jun 2022 7:13 SV-6-20220624DL

Tot Ion: 45 Resp: 243533

Ion Ratio Lower Upper

45 100

58 223.5 1.8 2.8#



#20

Methylene Chloride

Concen: 0.695 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL039382.D

Acq: 28 Jun 2022 7:13

Tgt Ion: 84 Resp: 28197

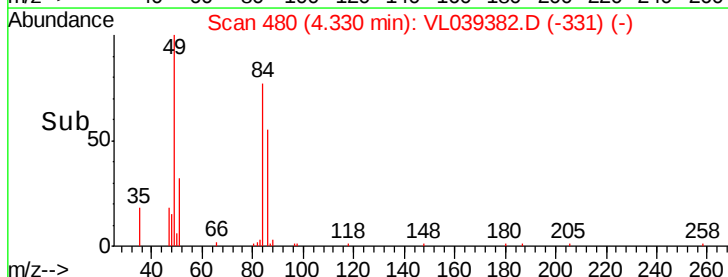
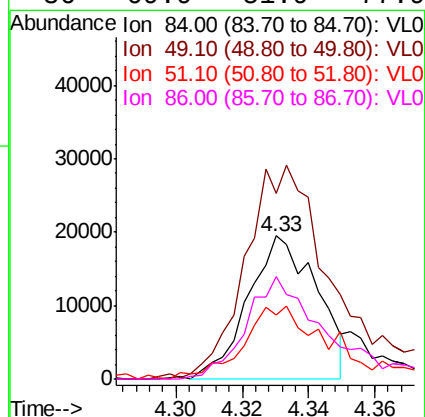
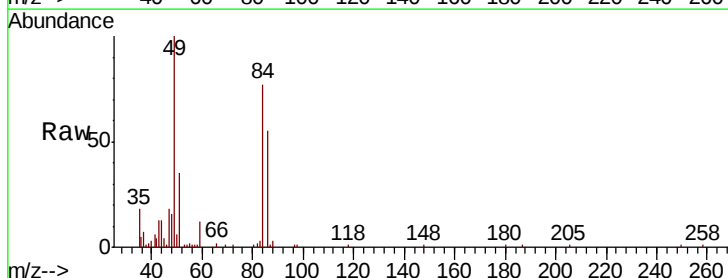
Ion Ratio Lower Upper

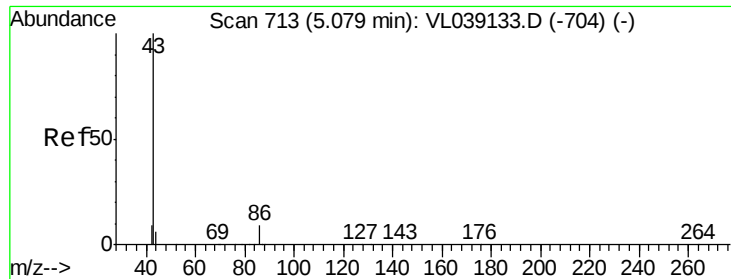
84 100

49 126.2 111.1 166.7

51 41.3 35.3 52.9

86 69.9 51.9 77.9





#23

Vinyl Acetate

Concen: 0.065 ppbv

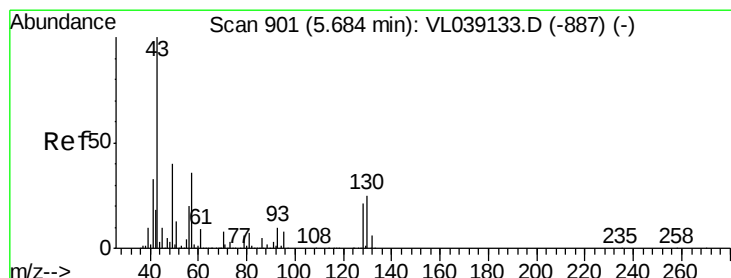
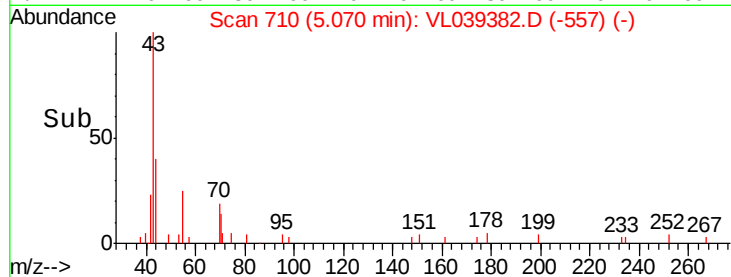
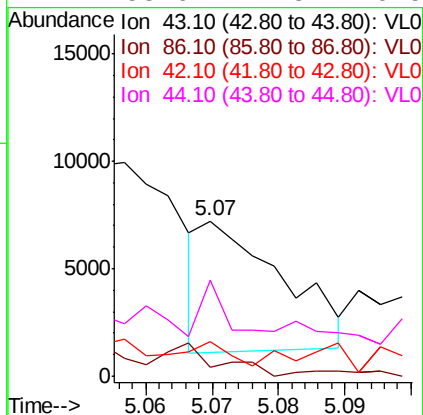
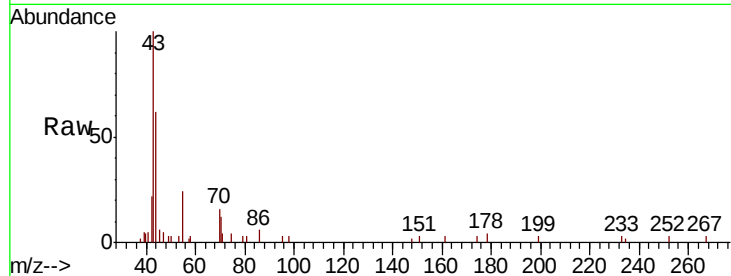
RT: 5.07 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jun 2022 7:13

Tot Ion:	43	Resp:	5167
Ion	Ratio	Lower	Upper
43	100		
86	3.7	6.0	9.0#
42	10.7	8.2	12.4
44	58.6	4.3	6.5#



#25

Ethyl Acetate

Concen: 0.056 ppbv

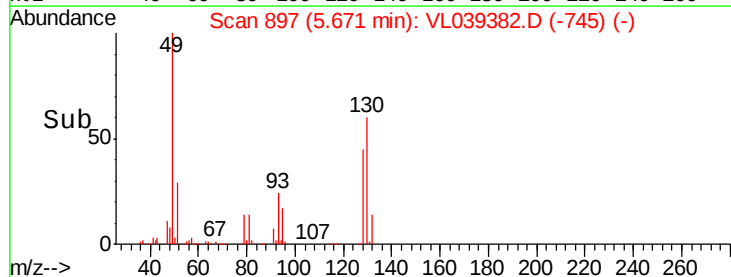
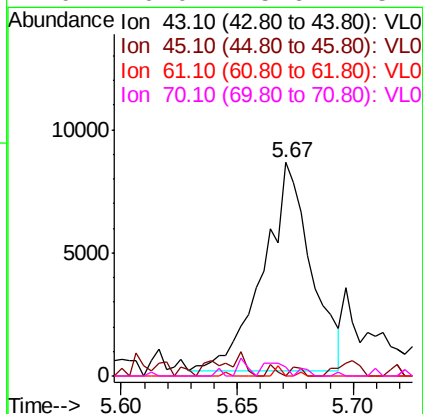
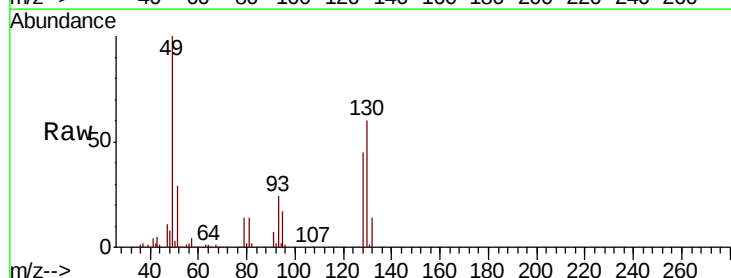
RT: 5.67 min Scan# 897

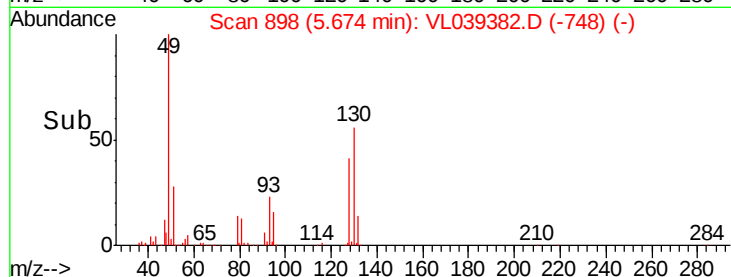
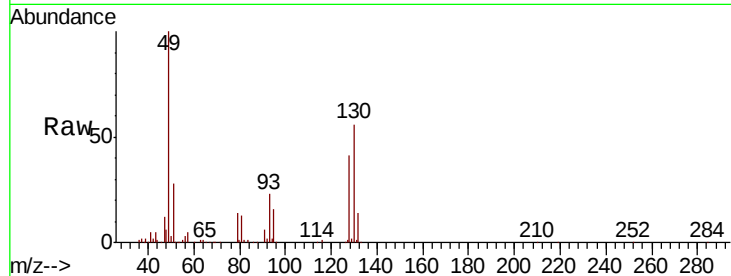
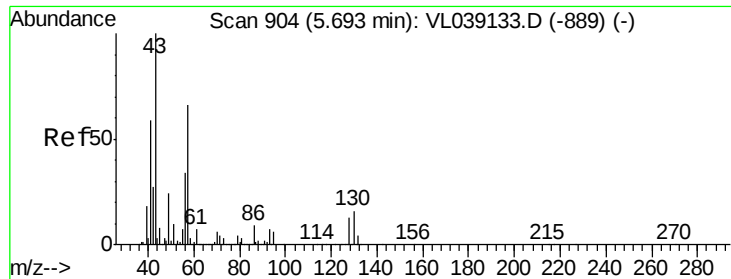
Delta R.T. -0.01 min

Lab File: VL039382.D

Acq: 28 Jun 2022 7:13

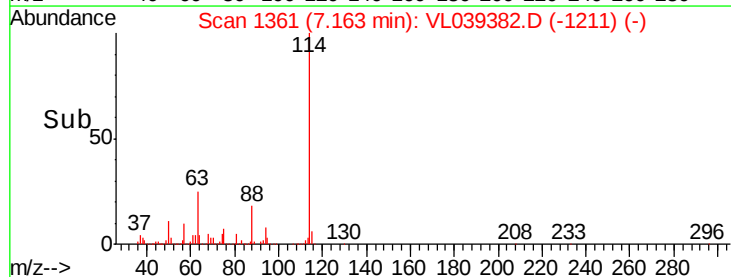
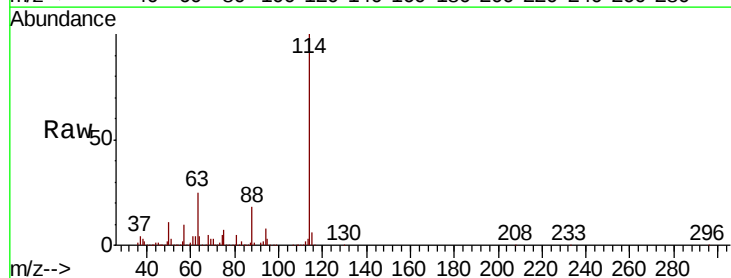
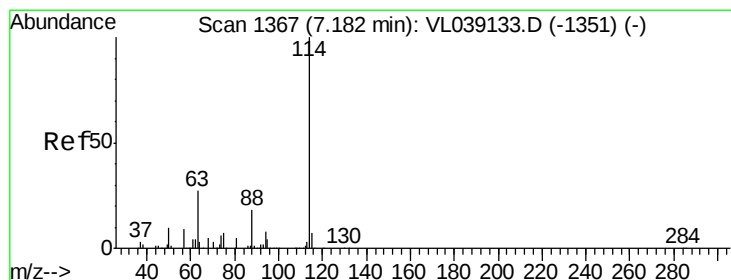
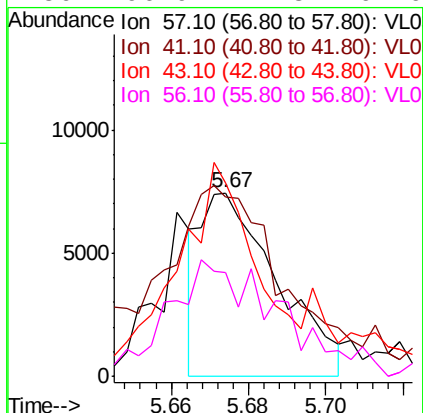
Tgt Ion:	43	Resp:	12123
Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.2	12.2#
61	0.9	8.4	12.6#
70	0.0	5.6	8.4#





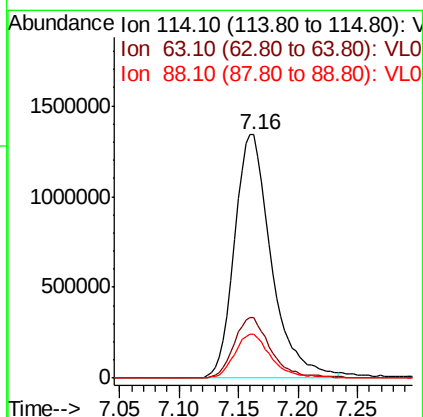
#26
Hexane
Concen: 0.107 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jun 2022 7:13

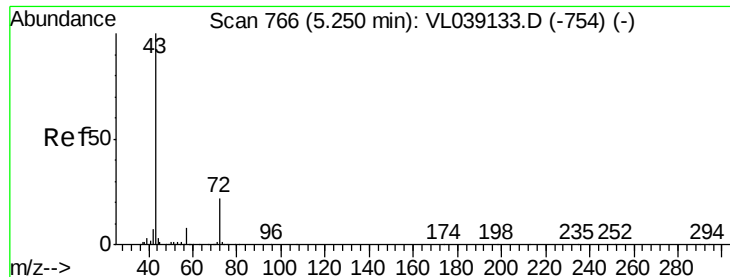
Tot Ion: 57 Resp: 10238
Ion Ratio Lower Upper
57 100
41 191.5 72.4 108.6#
43 174.5 187.0 280.6#
56 96.9 41.8 62.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL039382.D
Acq: 28 Jun 2022 7:13

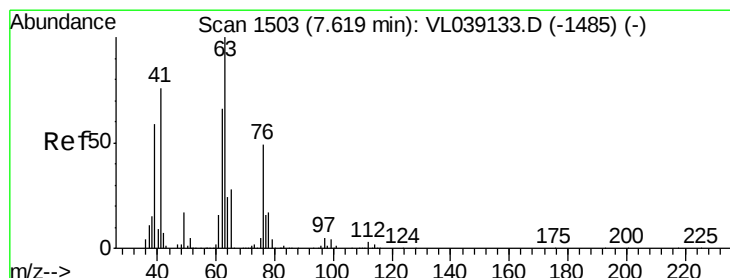
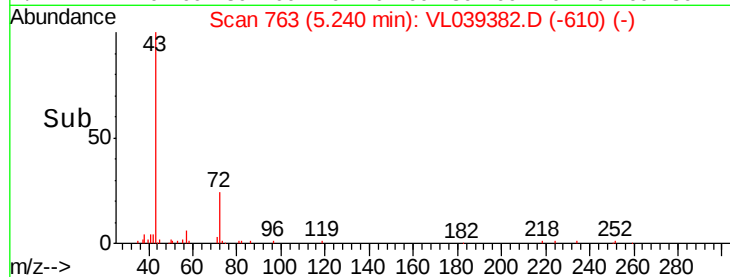
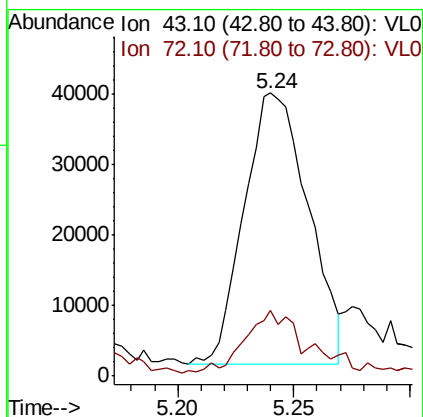
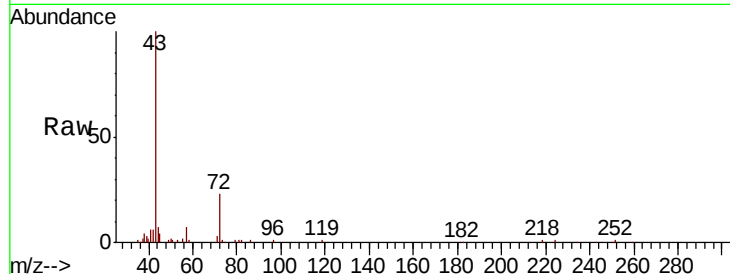
Tgt Ion: 114 Resp: 2879726
Ion Ratio Lower Upper
114 100
63 25.3 21.7 32.5
88 18.3 14.8 22.2





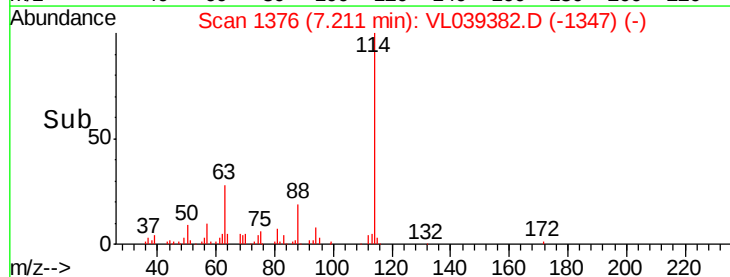
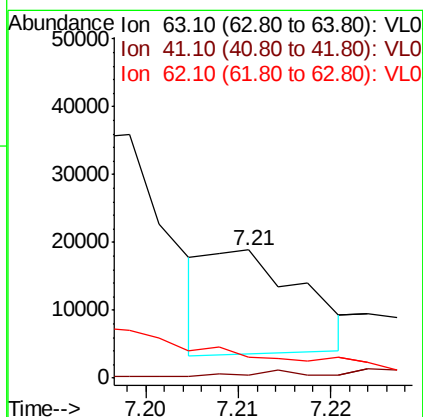
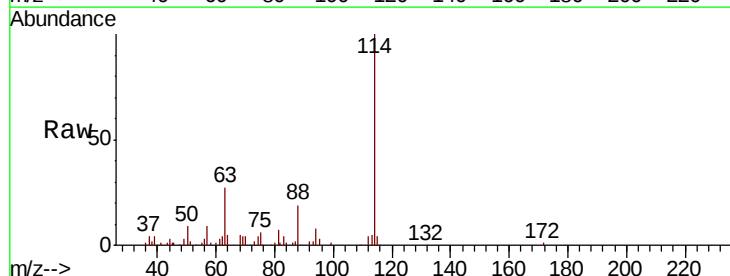
#34
2-Butanone
Concen: 0.471 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-6-20220624DL
Acq: 28 Jun 2022 7:13

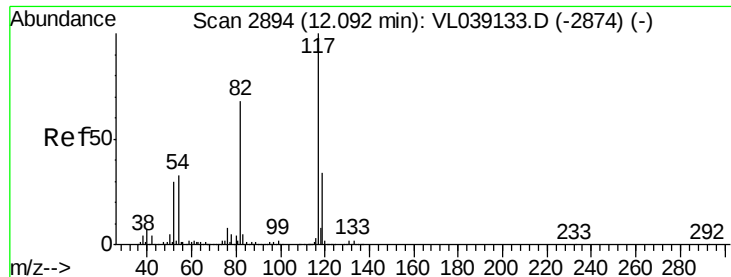
Tot Ion: 43 Resp: 73679
Ion Ratio Lower Upper
43 100
72 22.1 18.2 27.2



#39
1,2-Dichloropropane
Concen: 0.116 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.41 min
Lab File: VL039382.D
Acq: 28 Jun 2022 7:13

Tgt Ion: 63 Resp: 10743
Ion Ratio Lower Upper
63 100
41 0.0 60.8 91.2#
62 0.0 52.9 79.3#

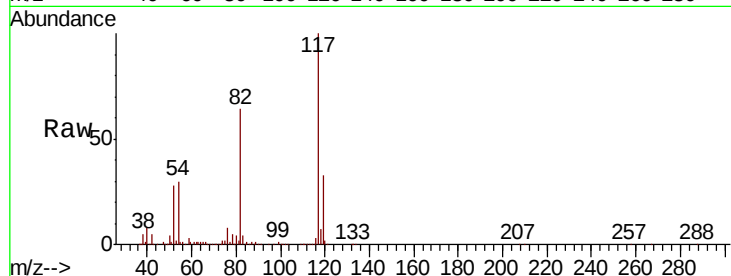




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SV-6-20220624DL
Acq: 28 Jun 2022 7:13

Tot Ion:117 Resp: 2537401

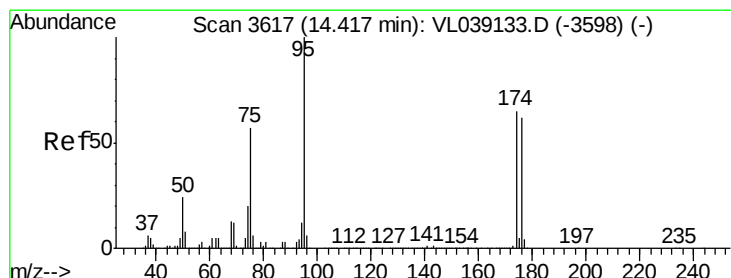
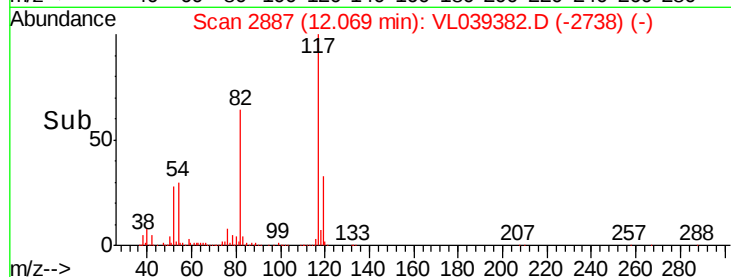
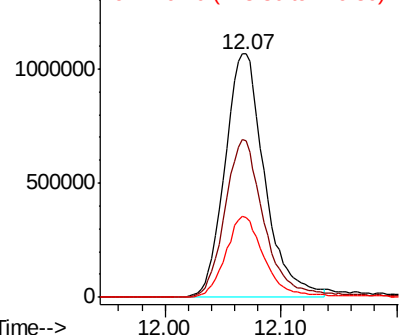
Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.1	82.7
119	33.5	24.7	37.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

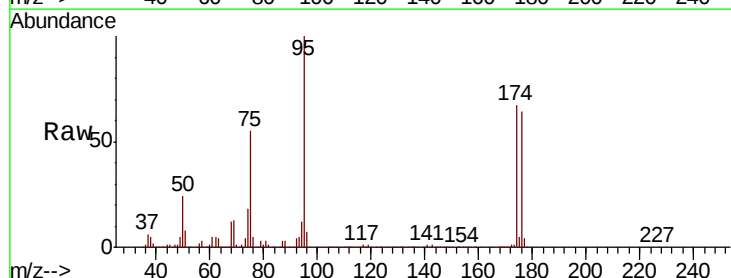
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 8.991 ppbv
RT: 14.40 min Scan# 3611
Delta R.T.: -0.02 min
Lab File: VL039382.D
Acq: 28 Jun 2022 7:13

Tgt Ion: 95 Resp: 1886044

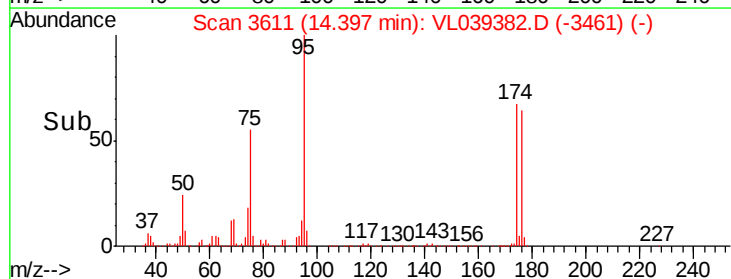
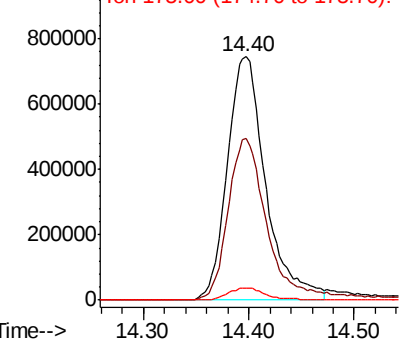
Ion	Ratio	Lower	Upper
95	100		
174	69.8	53.8	80.8
175	5.1	4.1	6.1

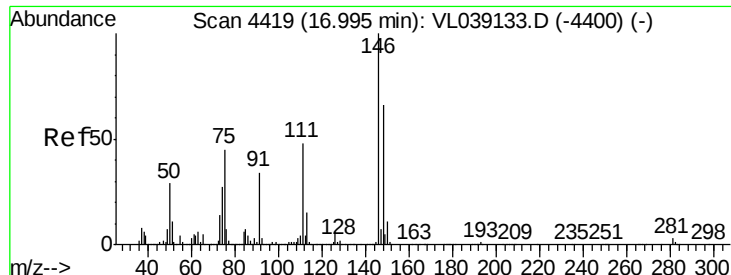


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#75

1,3-Dichlorobenzene

Concen: 0.045 ppbv

RT: 16.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jun 2022 7.15 SV-6-20220624DL

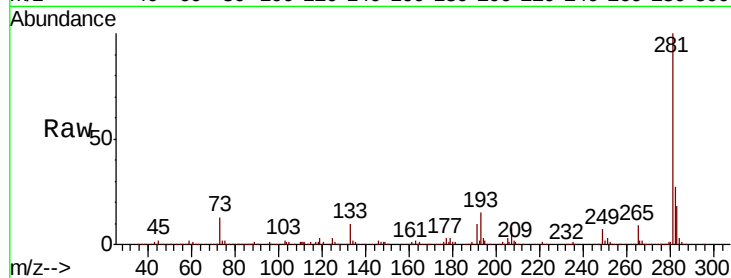
Tot Ion:146 Resp: 8682

Ion Ratio Lower Upper

146 100

111 187.8 23.8 71.4#

148 149.5 32.4 97.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

