

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038503.D
 Acq On : 3 Mar 2022 4:36
 Operator : SY/AP
 Sample : N1754-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Quant Time: Mar 03 05:20:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	850609	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2001396	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	1727728	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1416160	9.91	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

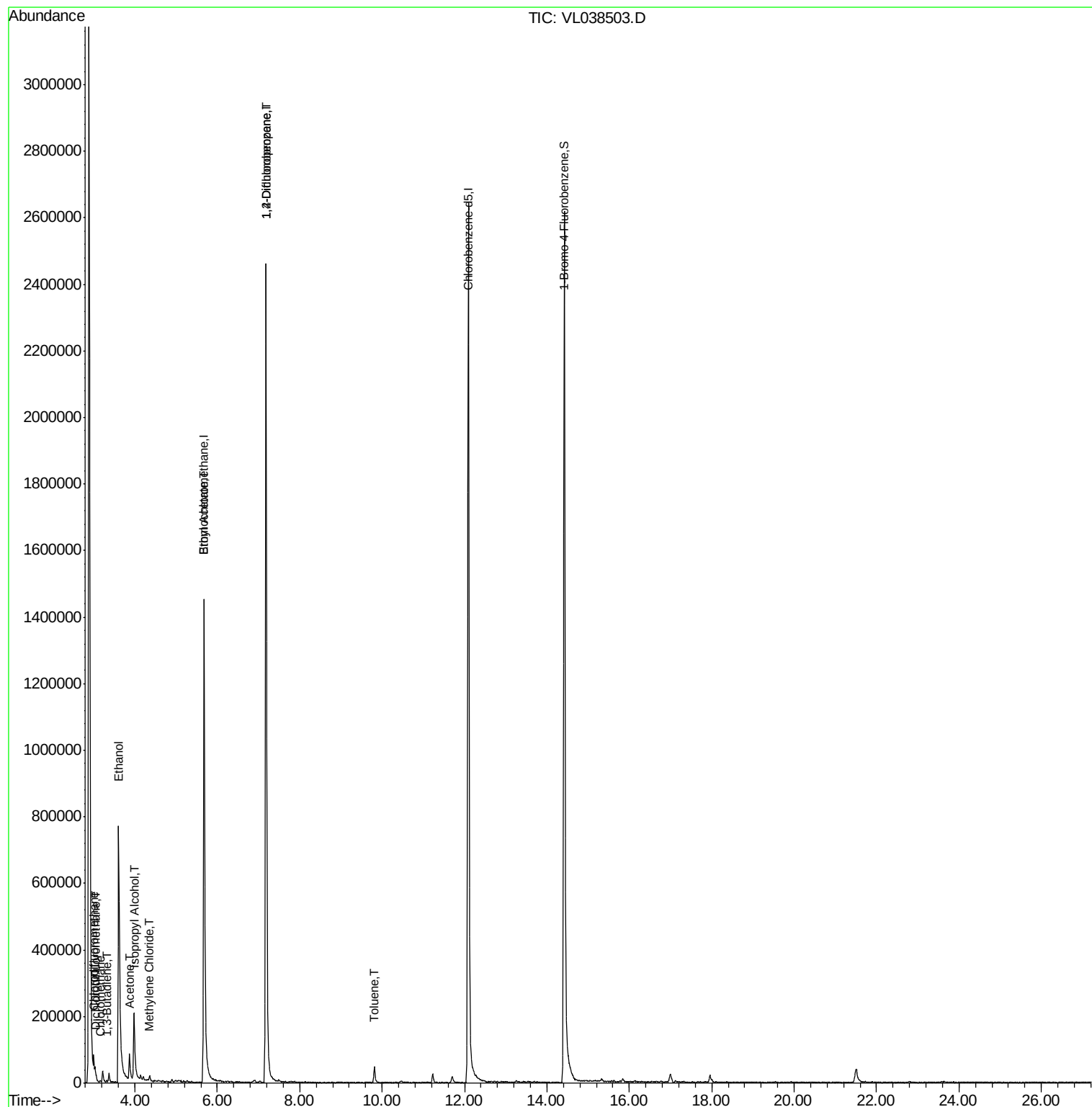
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	9505	0.07	ppbv #	81
3) Chlorodifluoromethane	3.00	51	89376	0.60	ppbv	95
4) Chloromethane	3.15	50	1954	0.04	ppbv #	77
13) Ethanol	3.61	45	1028445	207.80	ppbv	94
15) Acetone	3.87	43	88933	1.23	ppbv	97
16) 1,3-Butadiene	3.32	39	1879	0.04	ppbv #	12
19) Isopropyl Alcohol	3.97	45	282062	6.73	ppbv #	96
20) Methylene Chloride	4.36	84	2939	0.08	ppbv #	41
25) Ethyl Acetate	5.69	43	8660	0.04	ppbv #	53
39) 1,2-Dichloropropane	7.18	63	549663	7.83	ppbv #	25
53) Toluene	9.82	91	33839	0.18	ppbv	97

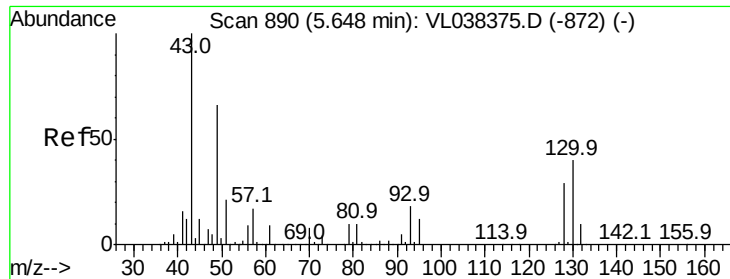
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 4:30

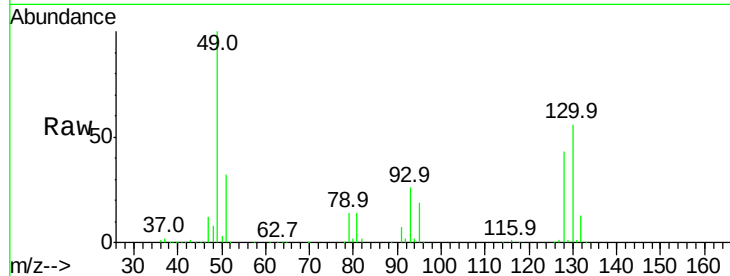
Tgt Ion: 49 Resp: 850609

Ion Ratio Lower Upper

49 100

128 46.3 24.3 72.9

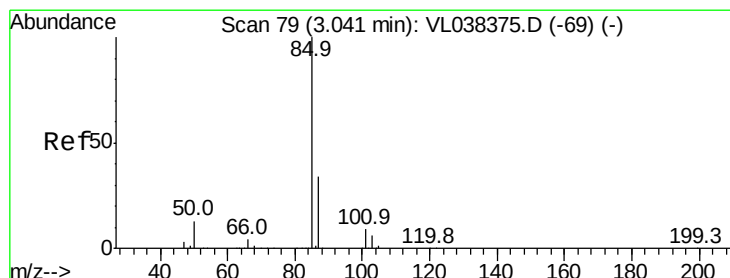
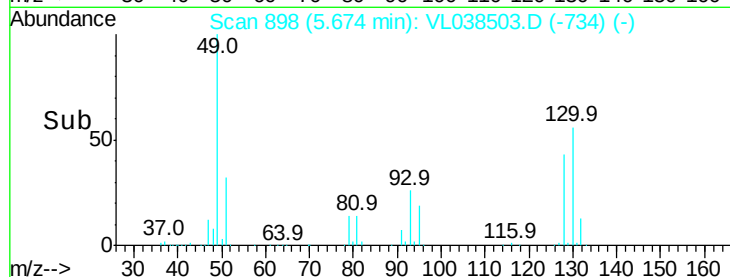
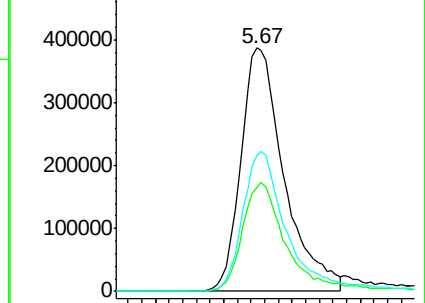
130 59.0 30.1 90.5



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



#2

Dichlorodifluoromethane

Concen: 0.07 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038503.D

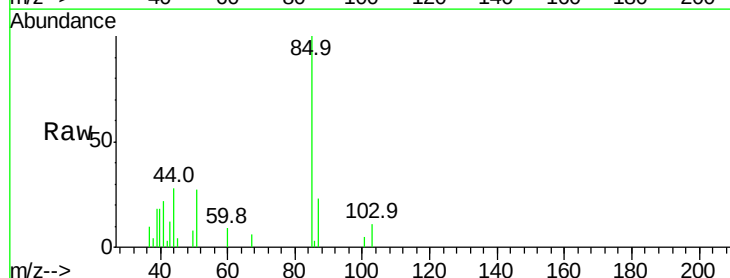
Acq: 3 Mar 2022 4:36

Tgt Ion: 85 Resp: 9505

Ion Ratio Lower Upper

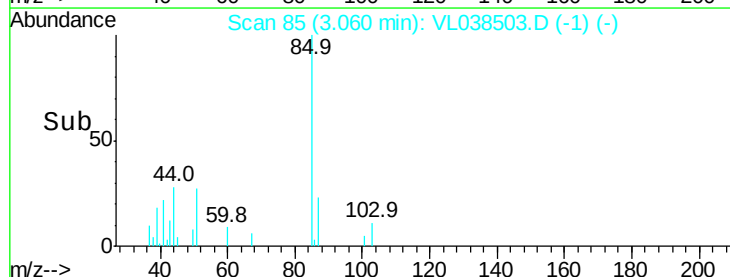
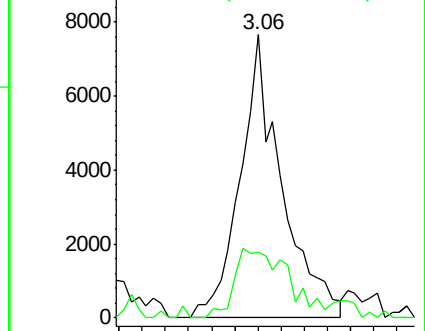
85 100

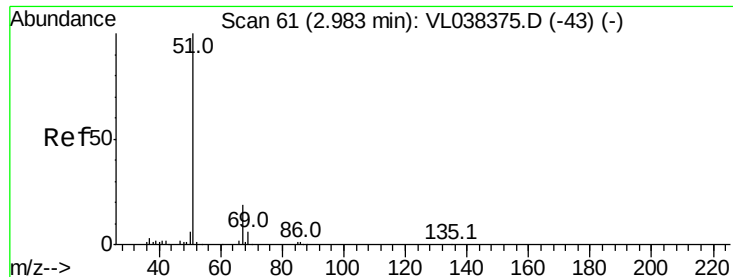
87 23.2 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.60 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

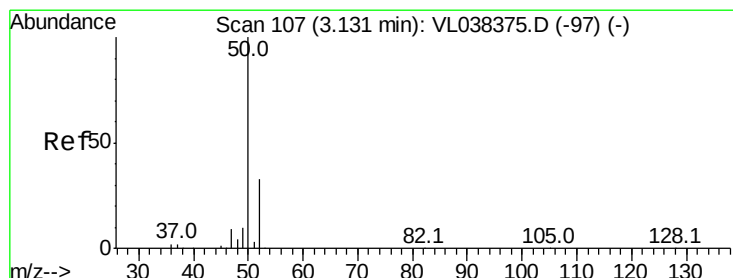
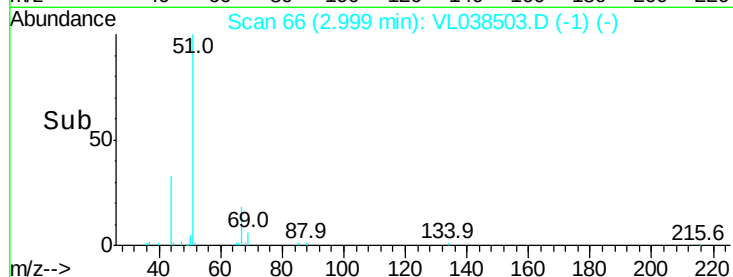
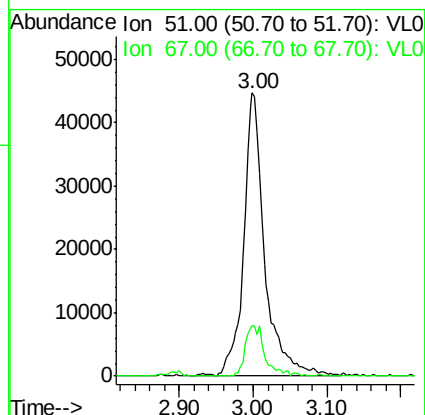
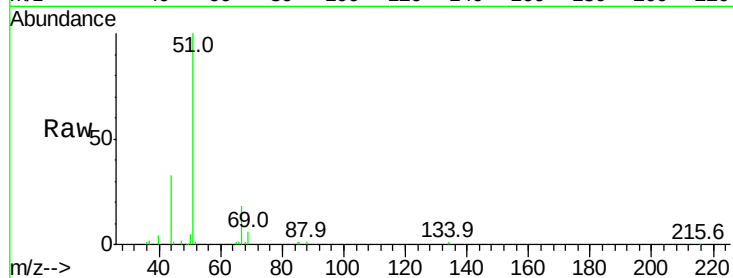
Acq: 3 Mar 2022 4:30

Tgt Ion: 51 Resp: 89376

Ion Ratio Lower Upper

51 100

67 16.2 14.7 22.1



#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL038503.D

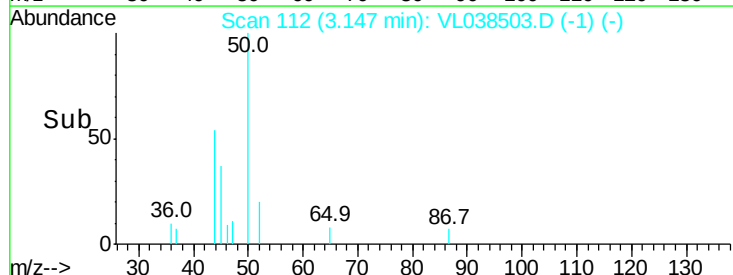
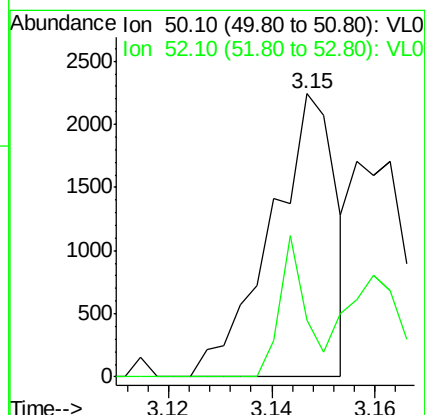
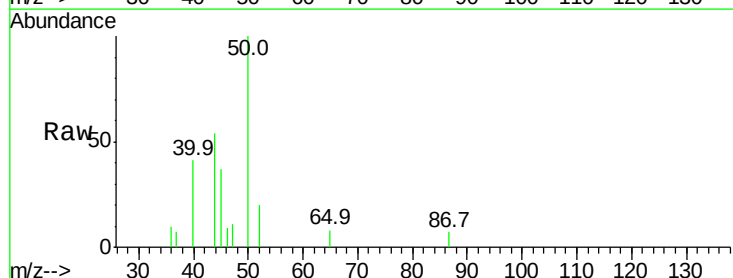
Acq: 3 Mar 2022 4:36

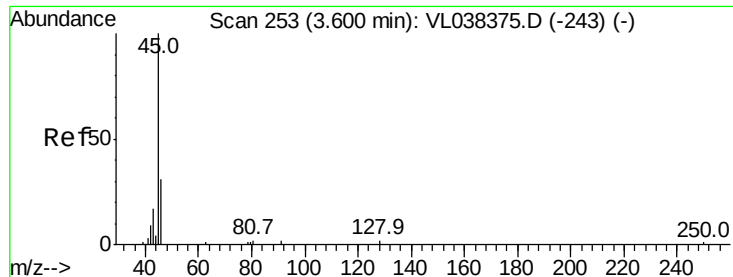
Tgt Ion: 50 Resp: 1954

Ion Ratio Lower Upper

50 100

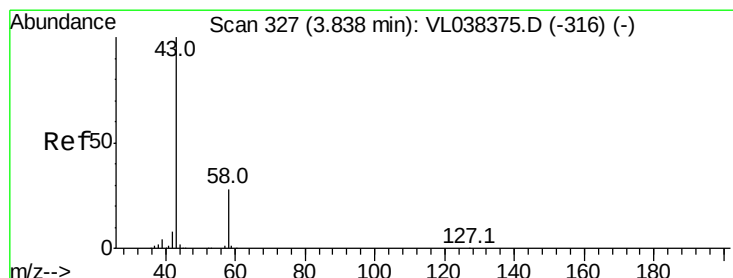
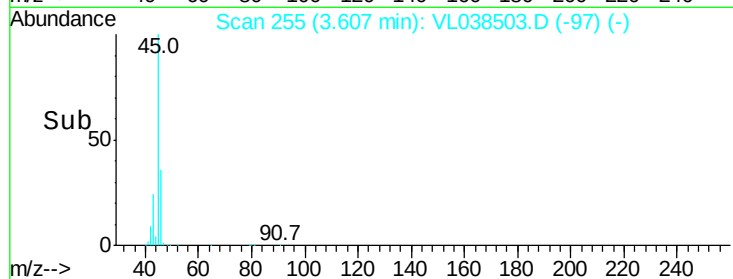
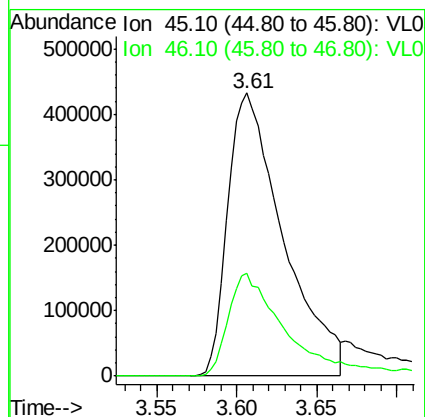
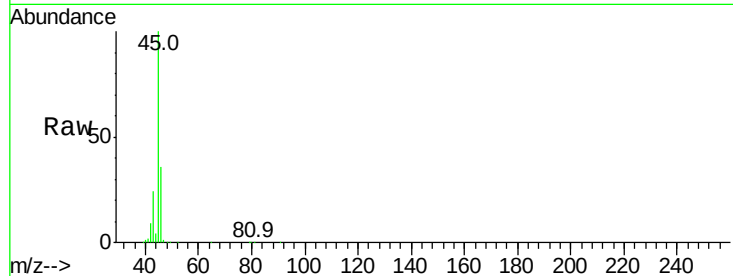
52 20.2 26.5 39.7#





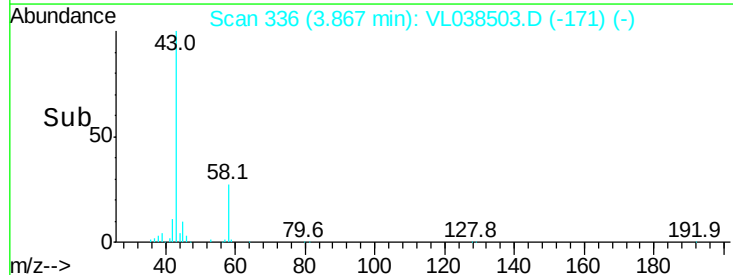
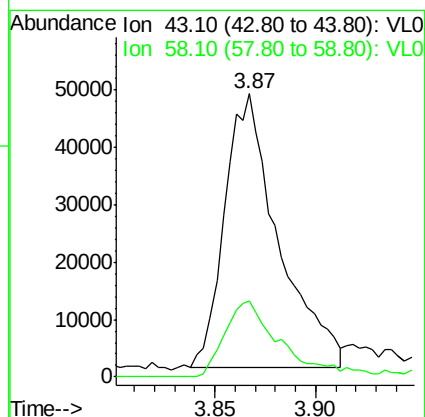
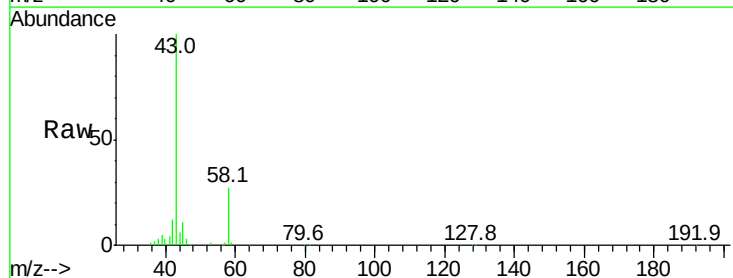
#13
Ethanol
Concen: 207.80 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 4:30

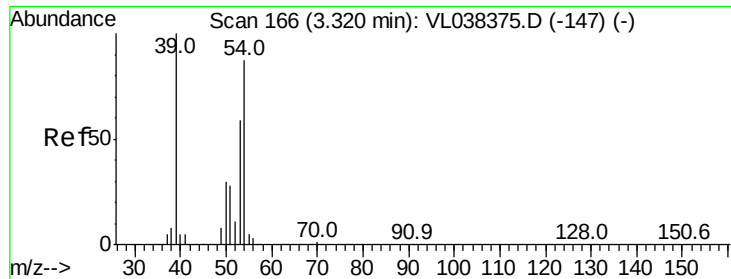
Tgt Ion: 45 Resp: 1028445
Ion Ratio Lower Upper
45 100
46 41.5 18.2 72.8



#15
Acetone
Concen: 1.23 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL038503.D
Acq: 3 Mar 2022 4:36

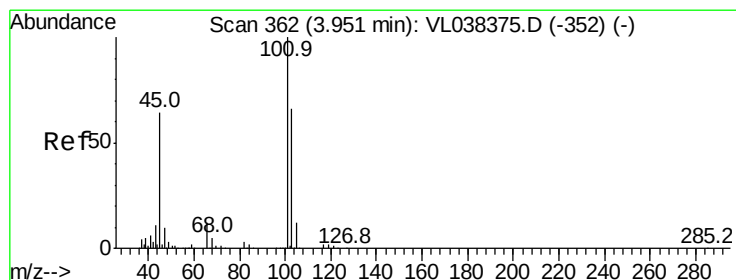
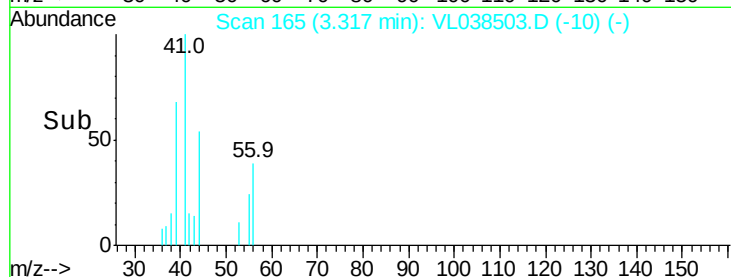
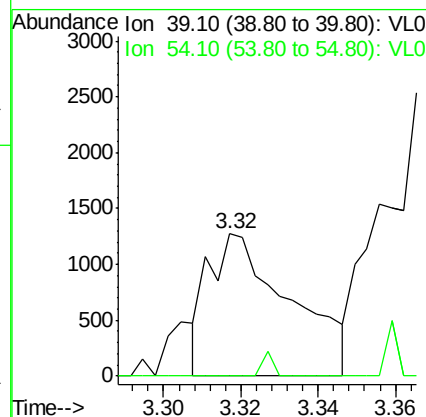
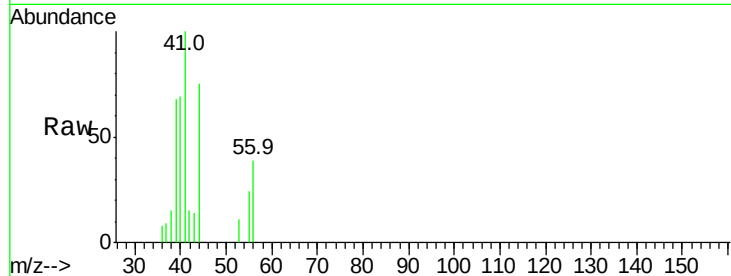
Tgt Ion: 43 Resp: 88933
Ion Ratio Lower Upper
43 100
58 28.8 21.7 32.5





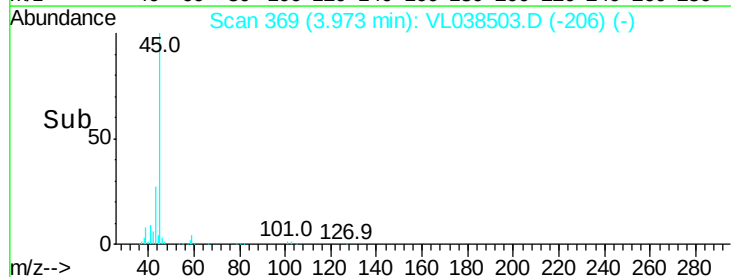
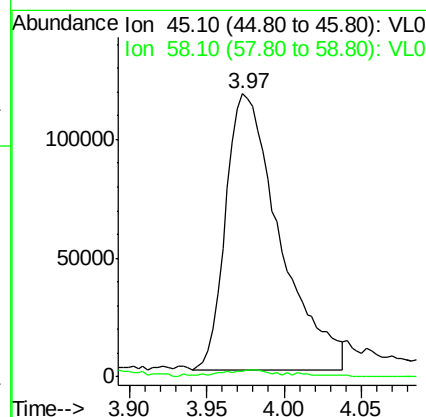
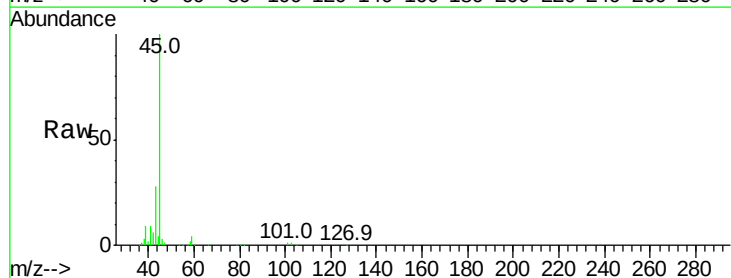
#16
 1,3-Butadiene
 Concen: 0.04 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 4:30

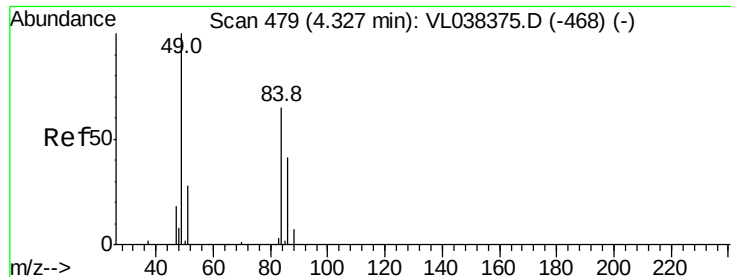
Tgt Ion: 39 Resp: 1879
 Ion Ratio Lower Upper
 39 100
 54 0.0 60.3 90.5#



#19
 Isopropyl Alcohol
 Concen: 6.73 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL038503.D
 Acq: 3 Mar 2022 4:36

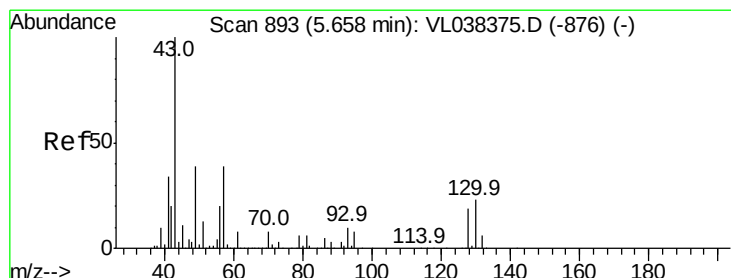
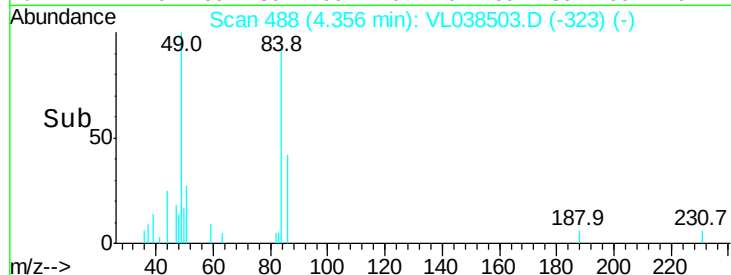
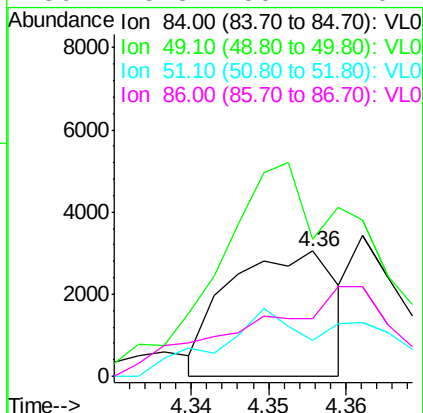
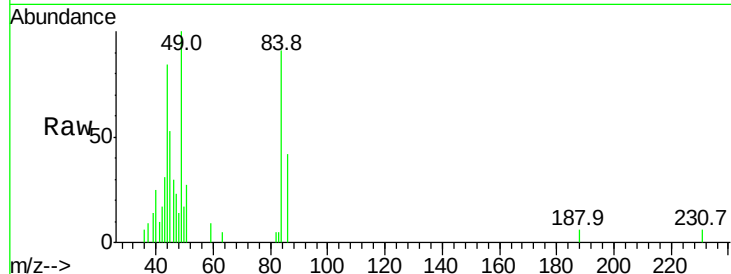
Tgt Ion: 45 Resp: 282062
 Ion Ratio Lower Upper
 45 100
 58 3.6 1.8 2.8#





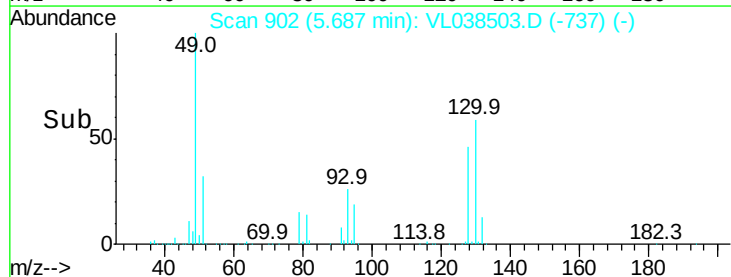
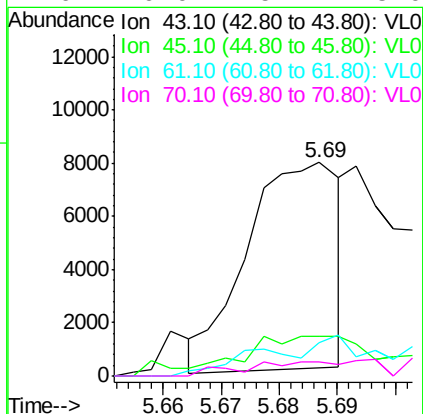
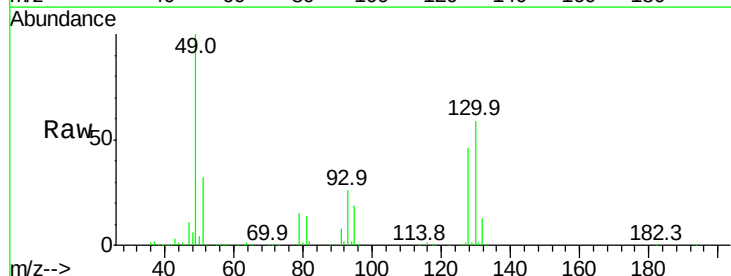
#20
Methylene Chloride
Concen: 0.08 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 4:36

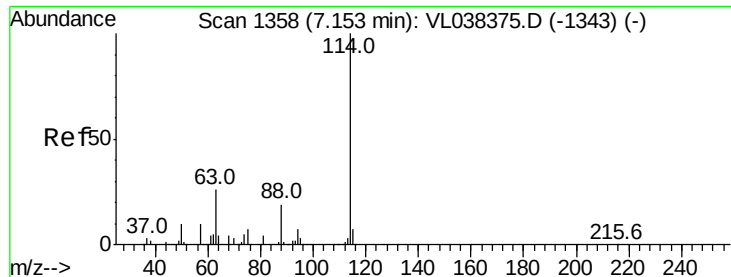
Tgt Ion: 84 Resp: 2939
Ion Ratio Lower Upper
84 100
49 71.3 122.4 183.6#
51 7.7 33.3 49.9#
86 23.3 50.7 76.1#



#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.03 min
Lab File: VL038503.D
Acq: 3 Mar 2022 4:36

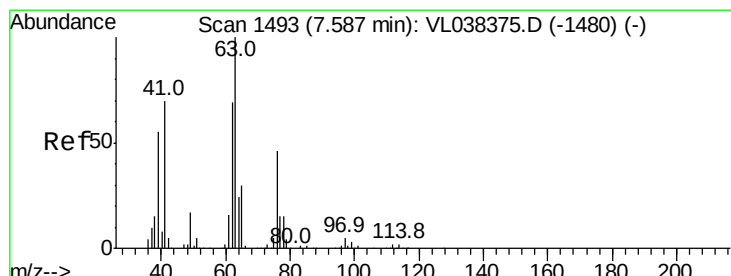
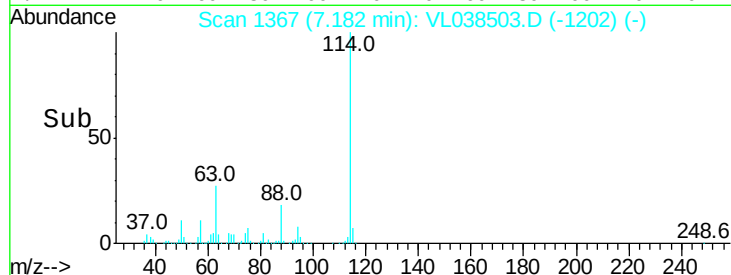
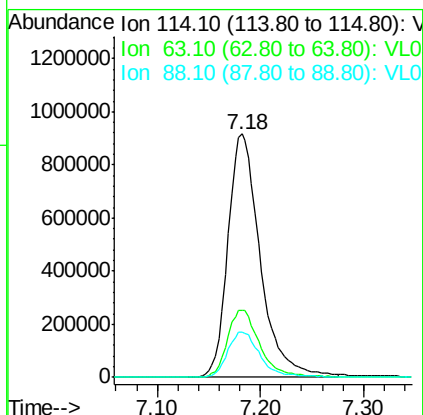
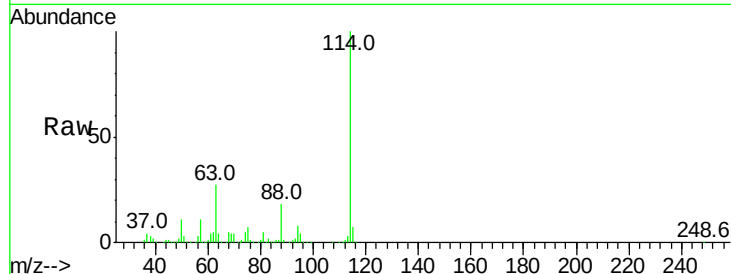
Tgt Ion: 43 Resp: 8660
Ion Ratio Lower Upper
43 100
45 41.2 7.8 11.6#
61 0.0 7.5 11.3#
70 0.0 5.4 8.0#





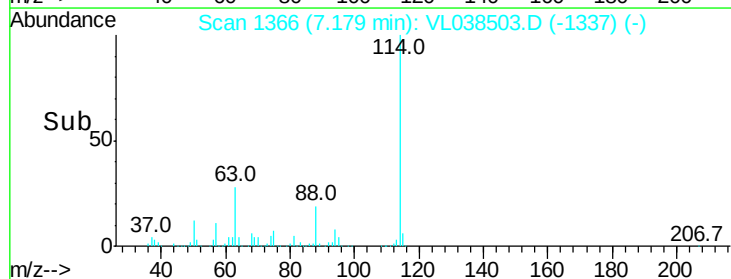
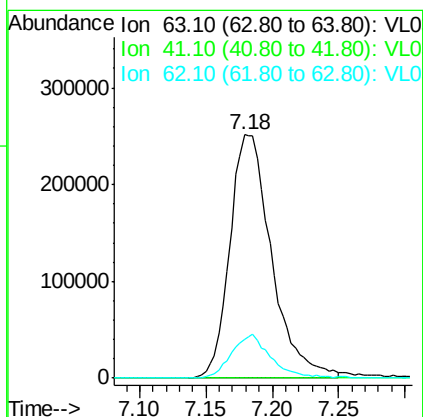
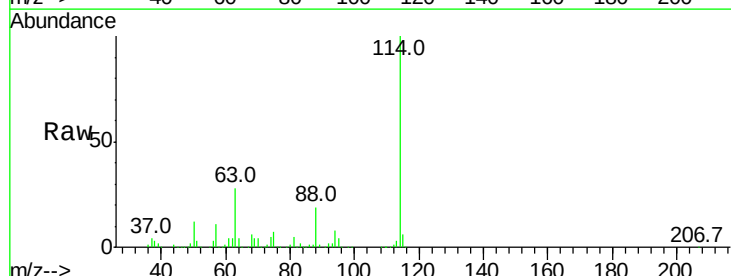
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 4:30

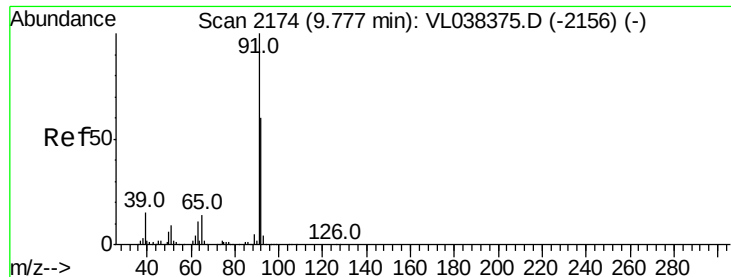
Tgt Ion: 114 Resp: 2001396
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.2 33.2
 88 19.0 15.2 22.8



#39
 1,2-Dichloropropane
 Concen: 7.83 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.41 min
 Lab File: VL038503.D
 Acq: 3 Mar 2022 4:36

Tgt Ion: 63 Resp: 549663
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.1 84.1#
 62 16.0 55.5 83.3#





#53

Toluene

Concen: 0.18 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DL

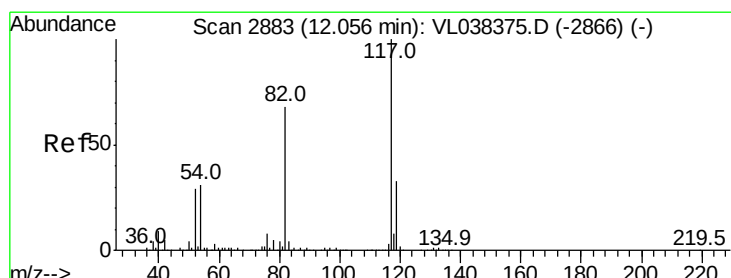
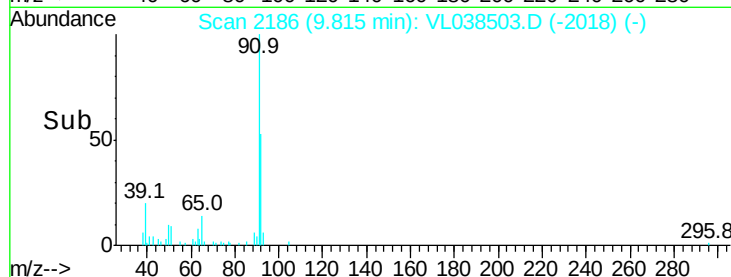
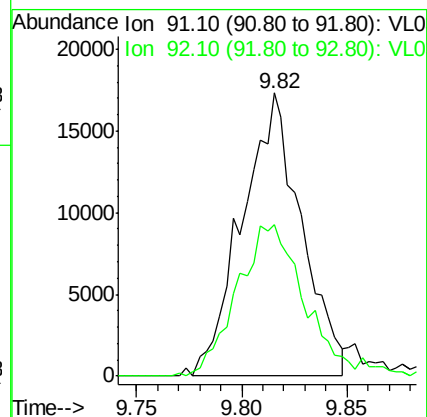
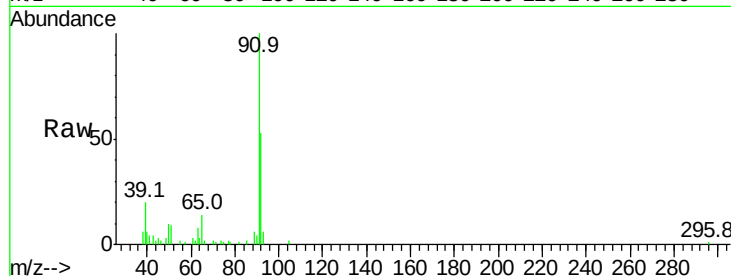
Acq: 3 Mar 2022 4:30

Tgt Ion: 91 Resp: 33839

Ion Ratio Lower Upper

91 100

92 62.9 48.2 72.4



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.04 min

Lab File: VL038503.D

Acq: 3 Mar 2022 4:36

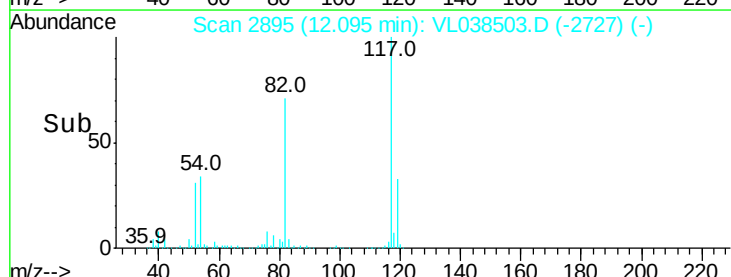
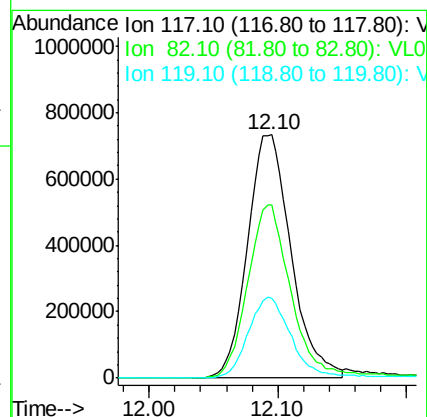
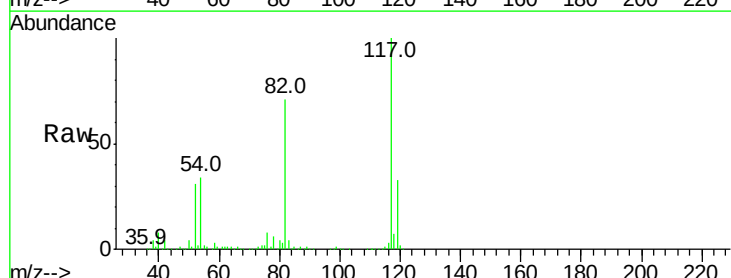
Tgt Ion: 117 Resp: 1727728

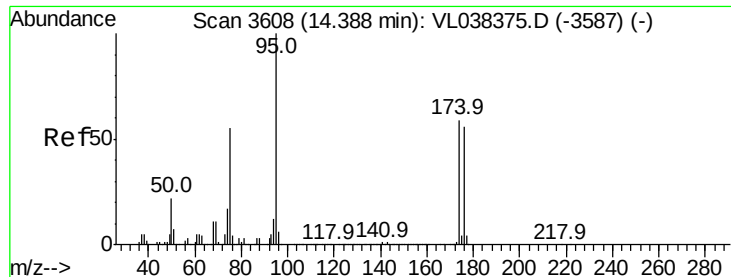
Ion Ratio Lower Upper

117 100

82 71.8 54.9 82.3

119 33.8 46.1 69.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.91 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 4:30

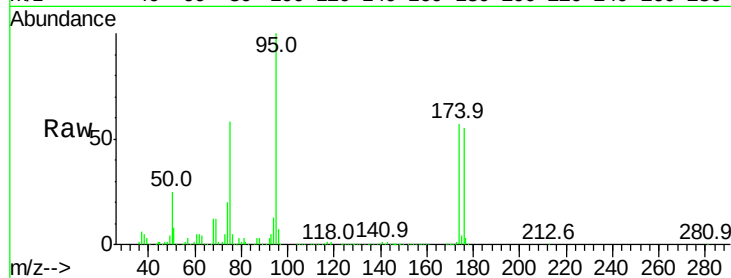
Tgt Ion: 95 Resp: 1416160

Ion Ratio Lower Upper

95 100

174 60.0 49.0 73.4

175 4.4 3.6 5.4



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

