

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038178.D
 Acq On : 14 Dec 2021 22:41
 Operator : SY/AP
 Sample : M5075-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 04:58:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1071070	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2771135	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2423534	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.36	95	1940232	11.10	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.00%

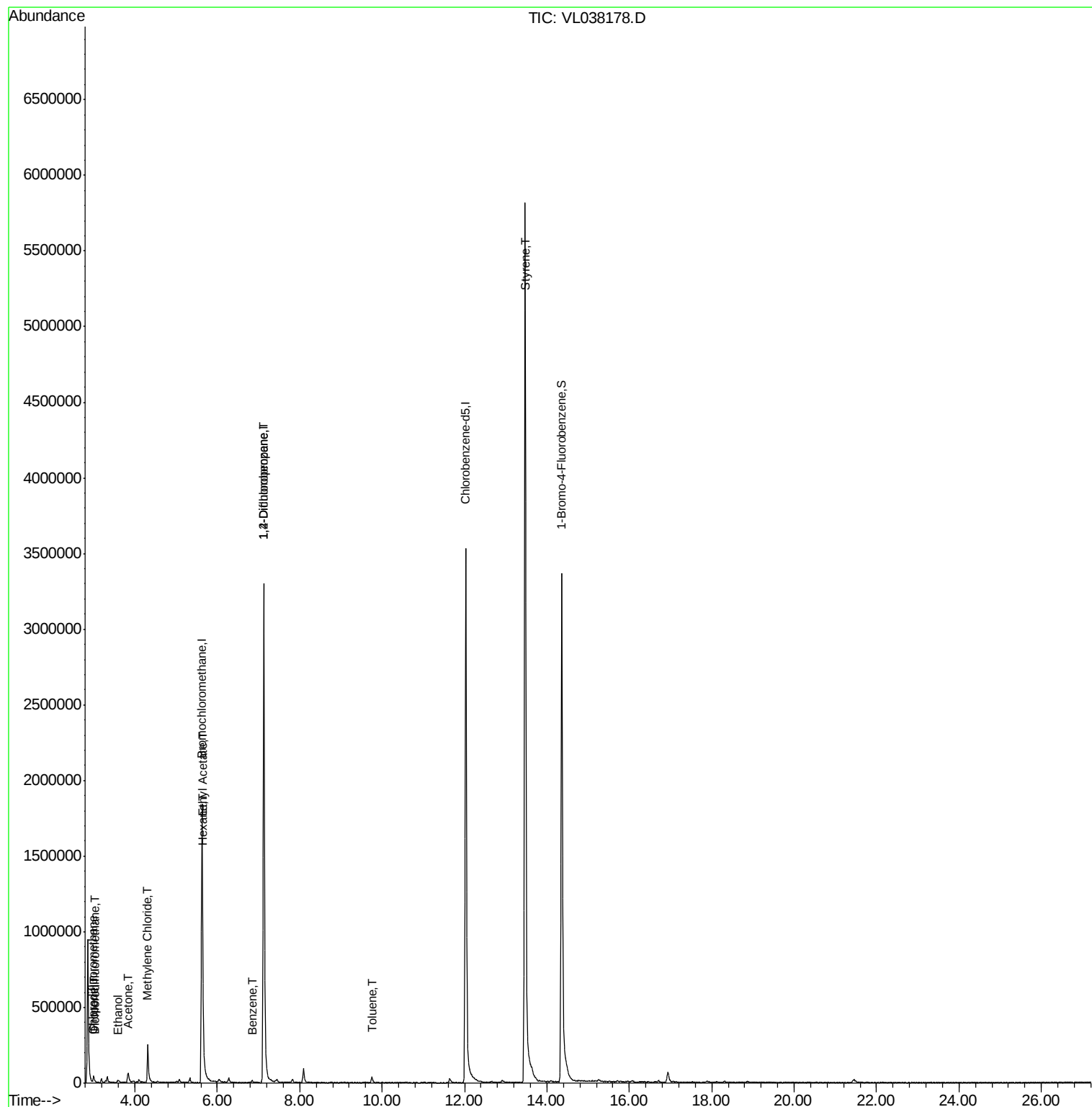
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	6174	0.035	ppbv	90
3) Chlorodifluoromethane	2.97	51	9226	0.041	ppbv #	89
9) Propene	2.99	41	17245	0.208	ppbv	92
13) Ethanol	3.58	45	8703	1.087	ppbv #	32
15) Acetone	3.83	43	75962	0.818	ppbv	96
20) Methylene Chloride	4.31	84	108949	2.095	ppbv	99
25) Ethyl Acetate	5.65	43	54135	0.175	ppbv #	78
26) Hexane	5.65	57	70951	0.477	ppbv #	44
36) Benzene	6.85	78	11615	0.042	ppbv	96
39) 1,2-Dichloropropane	7.12	63	724363	6.831	ppbv #	27
53) Toluene	9.75	91	26890	0.085	ppbv	97
61) Styrene	13.47	104	3949716	23.552	ppbv	92

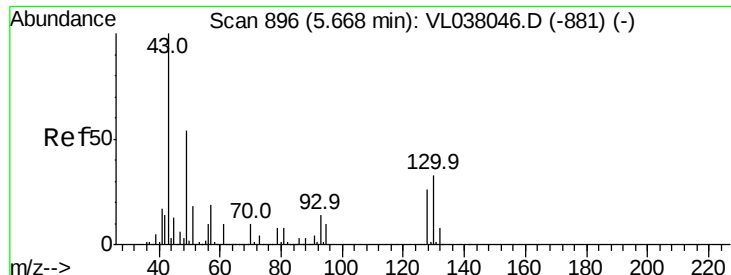
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :

Quant Time: Dec 15 04:58:11 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 22:41

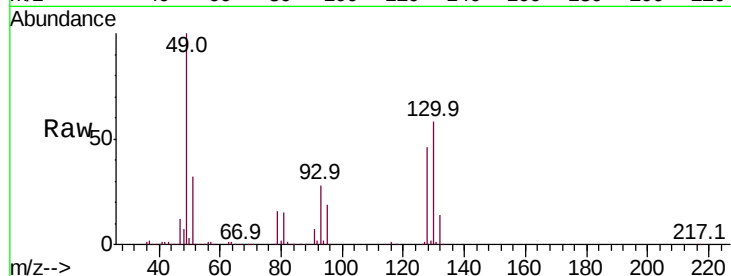
Tot Ion: 49 Resp: 1071070

Ion Ratio Lower Upper

49 100

128 46.2 26.5 79.5

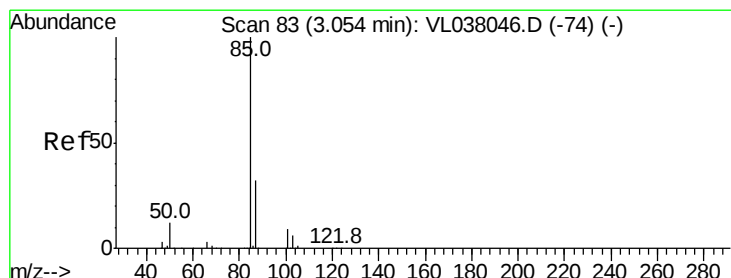
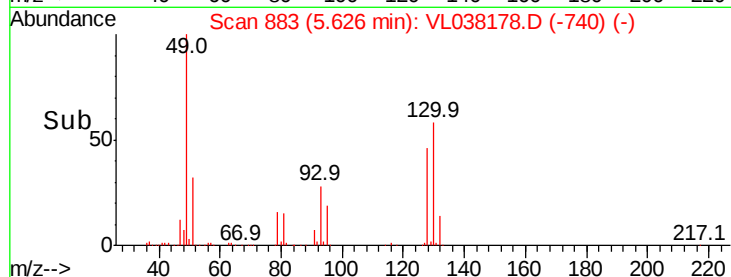
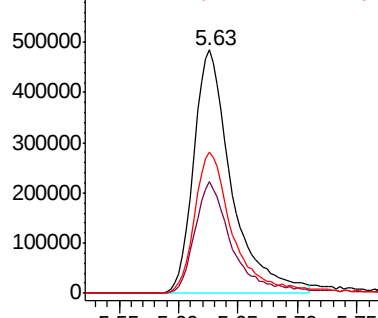
130 60.2 32.5 97.4



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: 0.035 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL038178.D

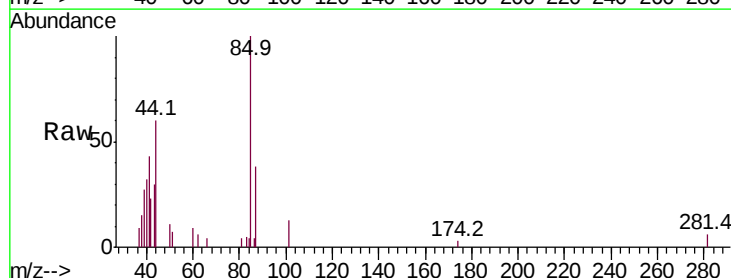
Acq: 14 Dec 2021 22:41

Tgt Ion: 85 Resp: 6174

Ion Ratio Lower Upper

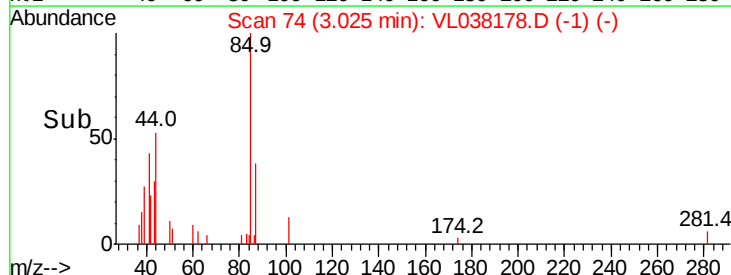
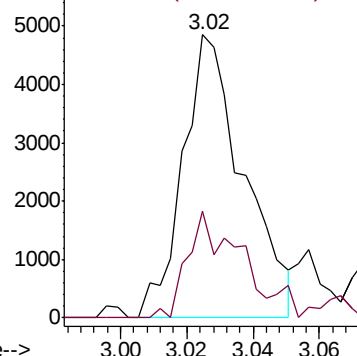
85 100

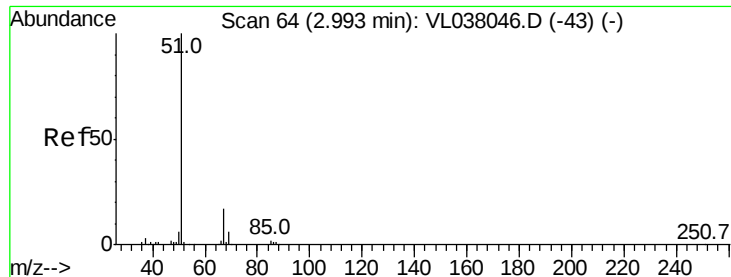
87 37.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

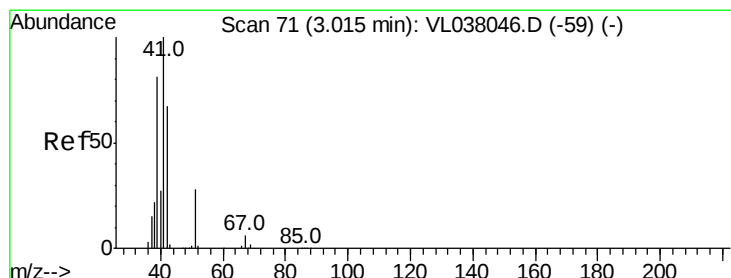
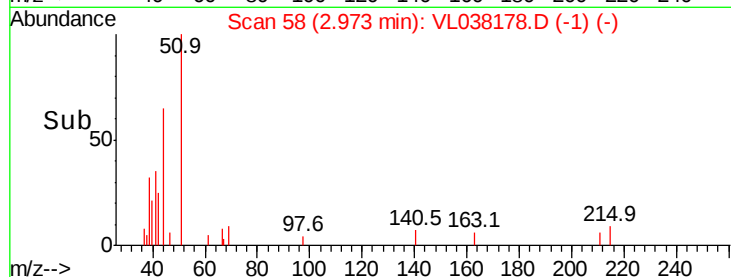
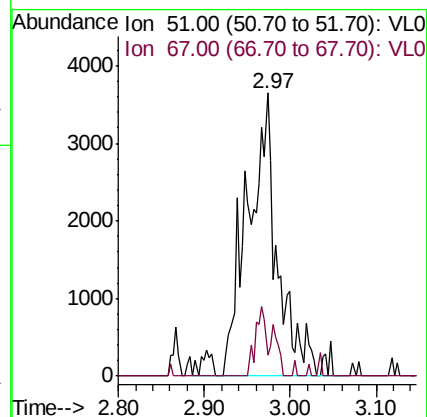
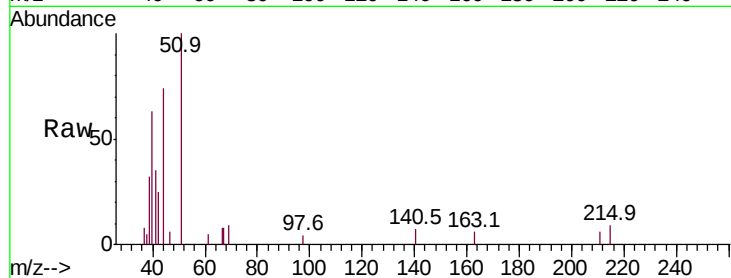
Acq: 14 Dec 2021 22:41

Tot Ion: 51 Resp: 9226

Ion Ratio Lower Upper

51 100

67 12.7 13.8 20.8#



#9

Propene

Concen: 0.208 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL038178.D

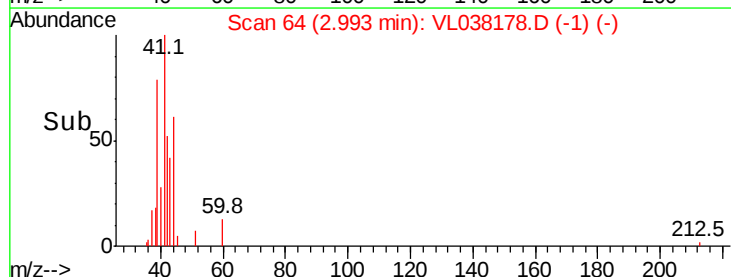
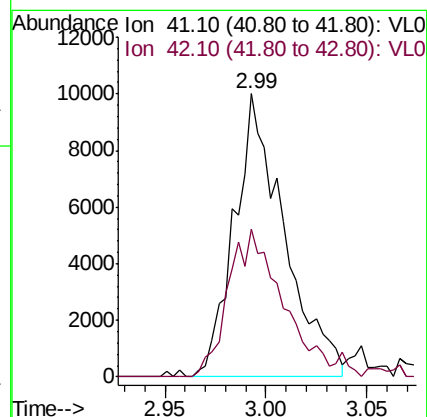
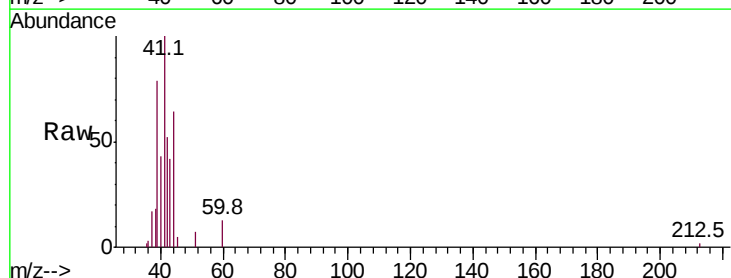
Acq: 14 Dec 2021 22:41

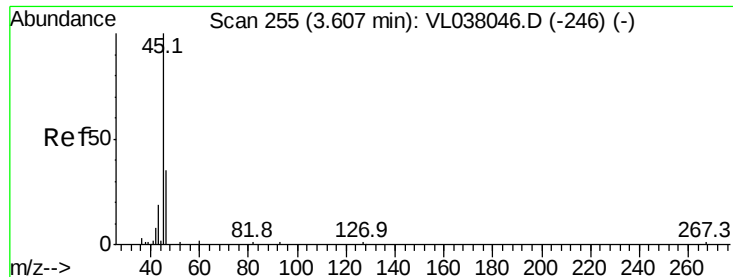
Tgt Ion: 41 Resp: 17245

Ion Ratio Lower Upper

41 100

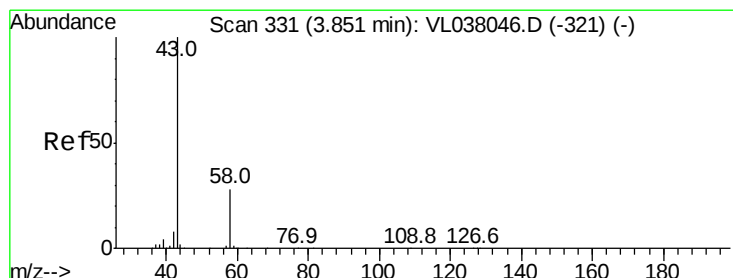
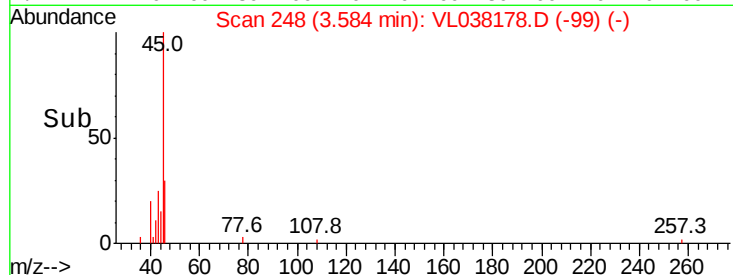
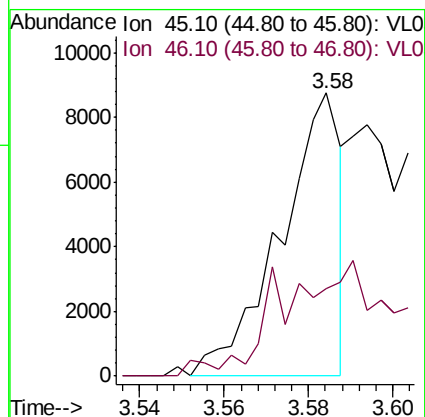
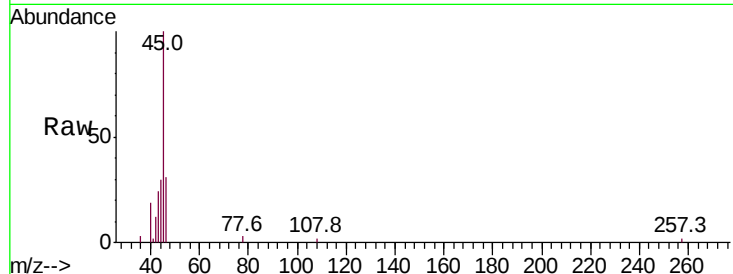
42 60.5 53.8 80.8





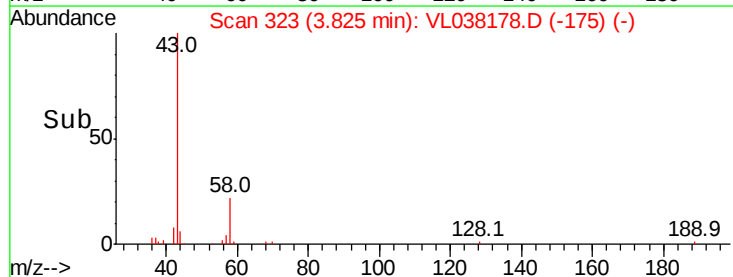
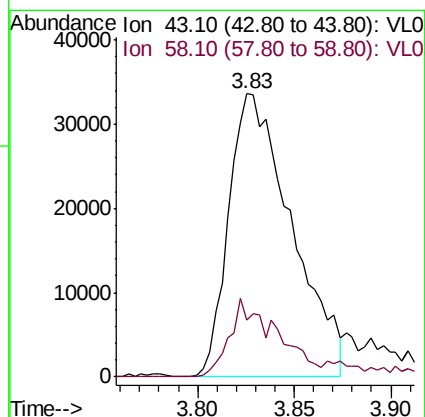
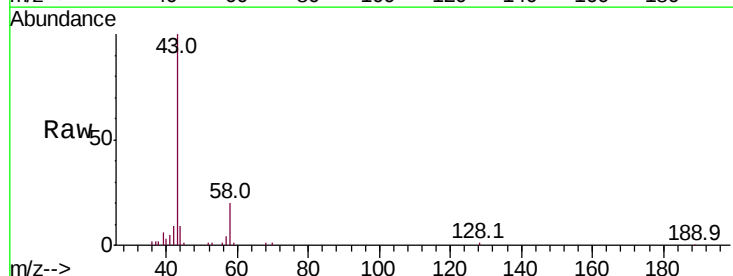
#13
Ethanol
Concen: 1.087 ppbv
RT: 3.58
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 22:41

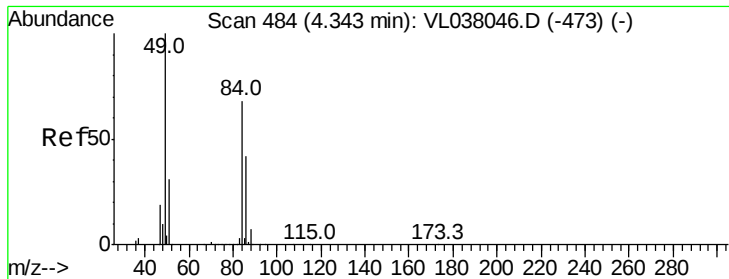
Tot Ion: 45 Resp: 8703
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 0.818 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.03 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

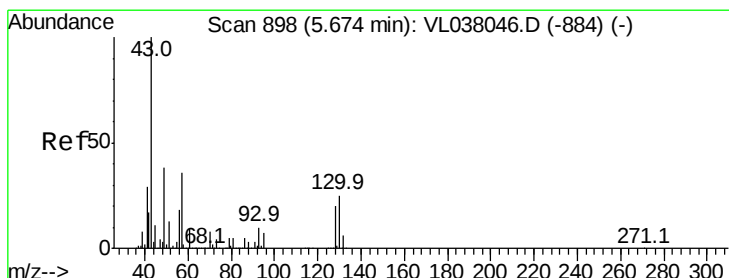
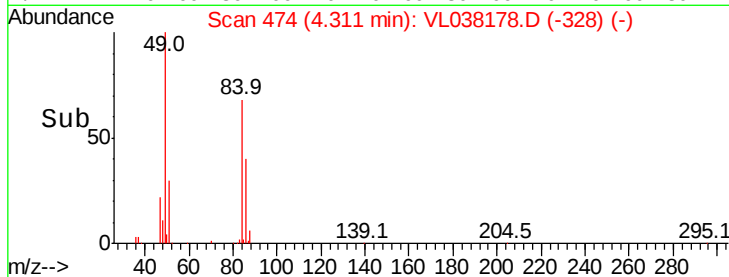
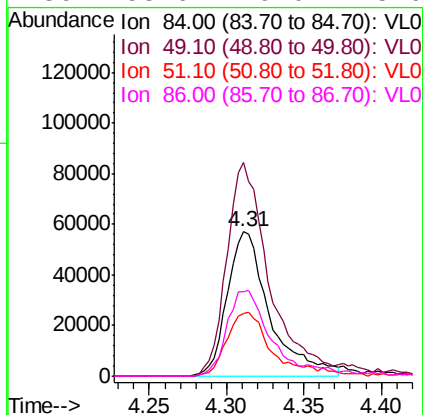
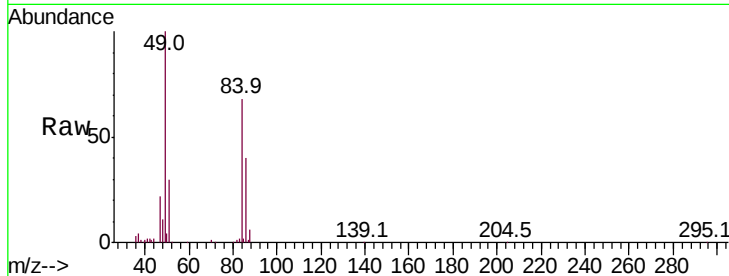
Tgt Ion: 43 Resp: 75962
Ion Ratio Lower Upper
43 100
58 25.7 22.4 33.6





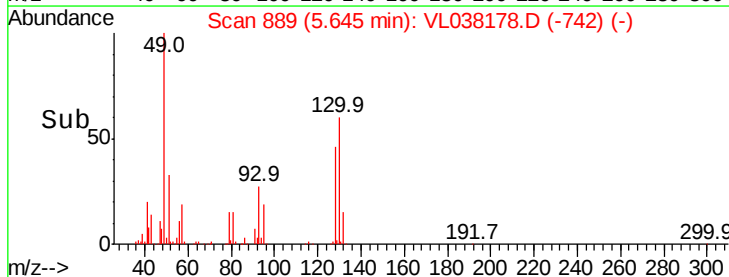
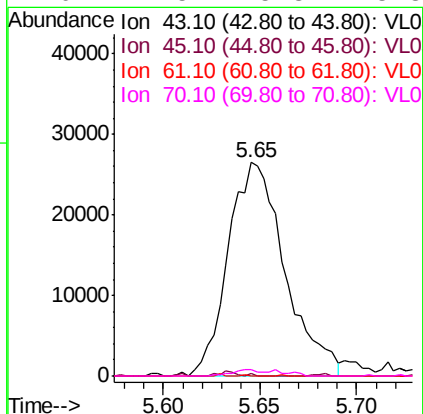
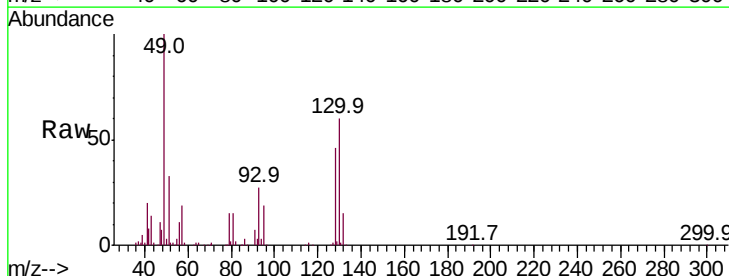
#20
Methylene Chloride
Concen: 2.095 ppbv
RT: 4.31
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 22:41

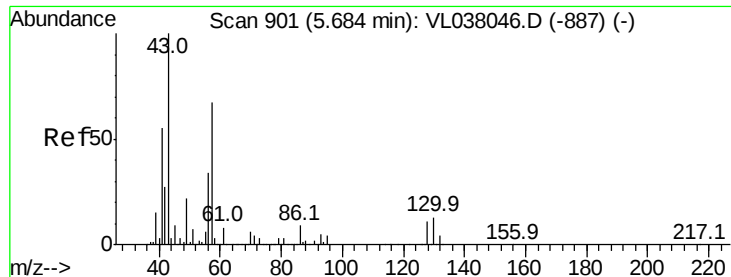
Tot Ion:	84	Resp:	108949
Ion	Ratio	Lower	Upper
84	100		
49	147.8	118.2	177.2
51	43.9	36.8	55.2
86	58.6	49.0	73.6



#25
Ethyl Acetate
Concen: 0.175 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

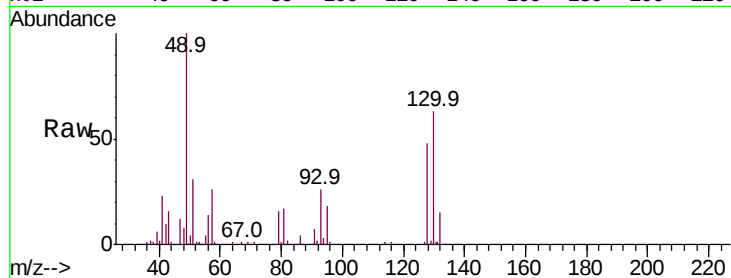
Tgt Ion:	43	Resp:	54135
Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.9	11.9#
61	0.2	7.8	11.6#
70	2.5	5.8	8.8#



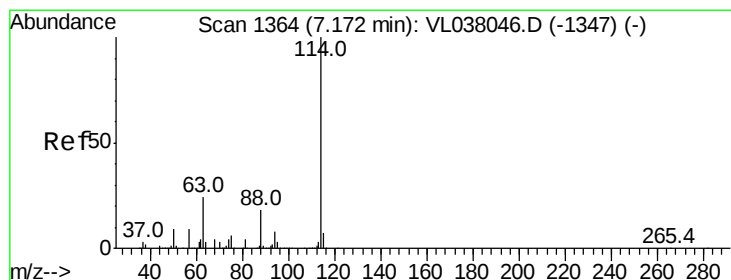
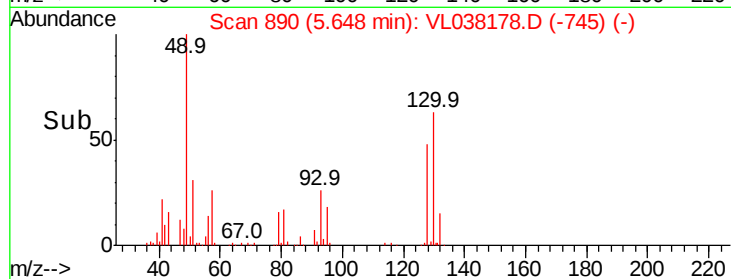
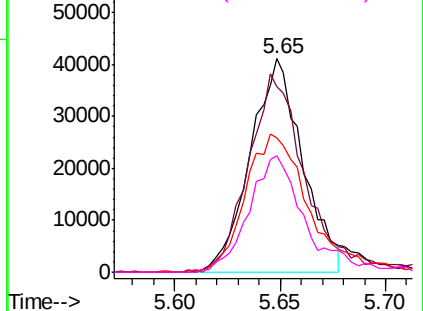


#26
Hexane
Concen: 0.477 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 22:41

Tot Ion: 57 Resp: 70951
Ion Ratio Lower Upper
57 100
41 103.9 71.4 107.2
43 81.6 174.6 261.8#
56 59.3 43.2 64.8

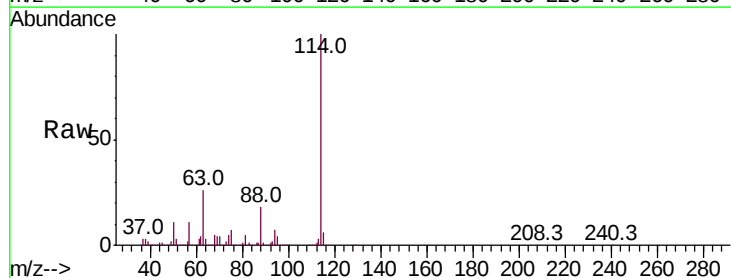


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

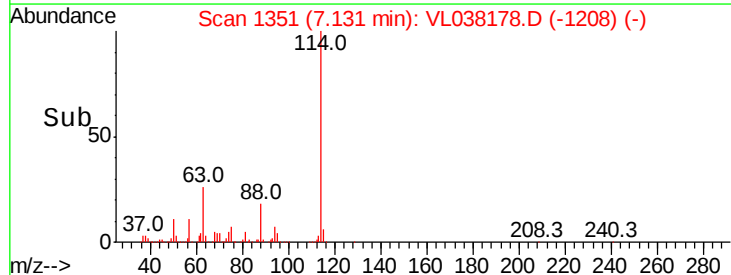
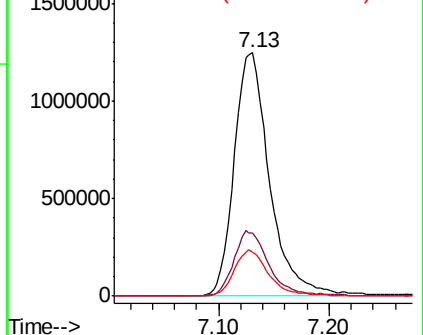


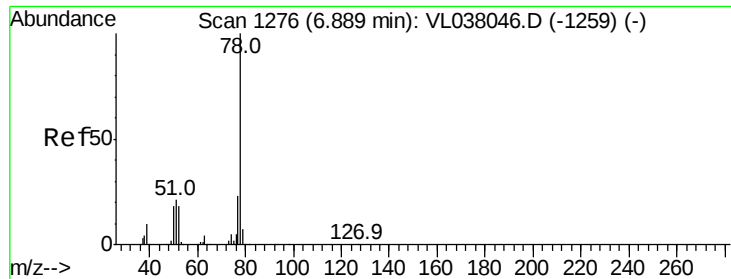
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.04 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion:114 Resp: 2771135
Ion Ratio Lower Upper
114 100
63 27.0 19.7 29.5
88 18.9 14.4 21.6



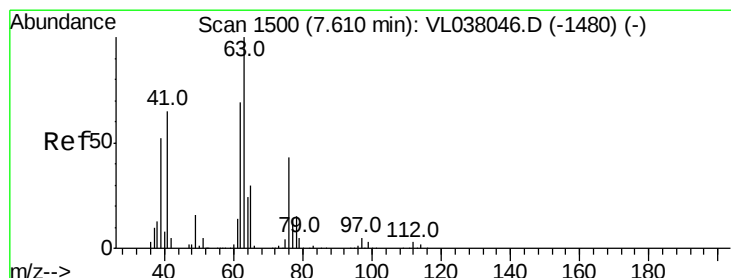
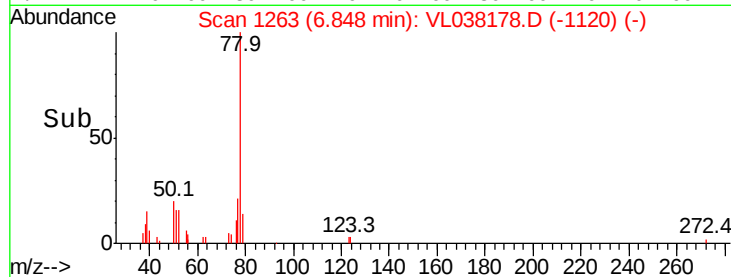
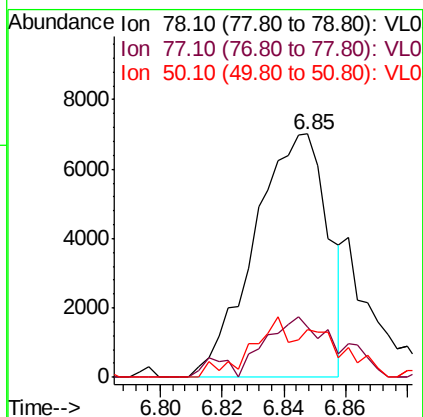
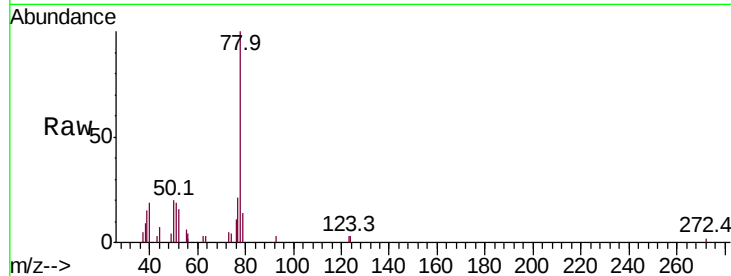
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





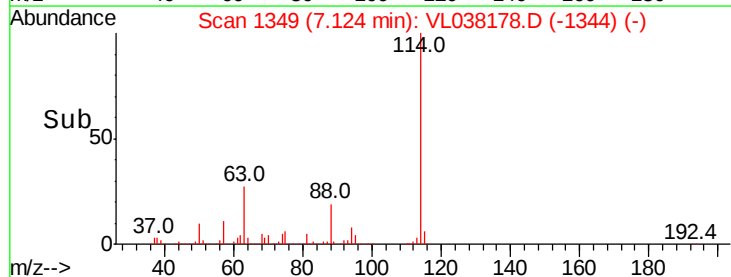
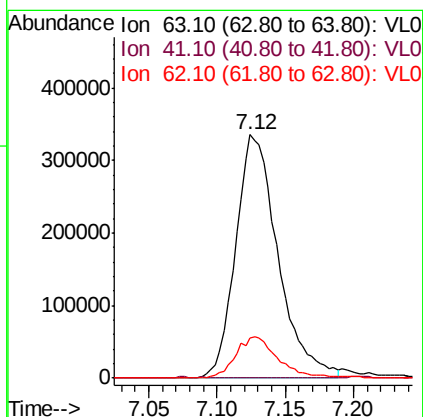
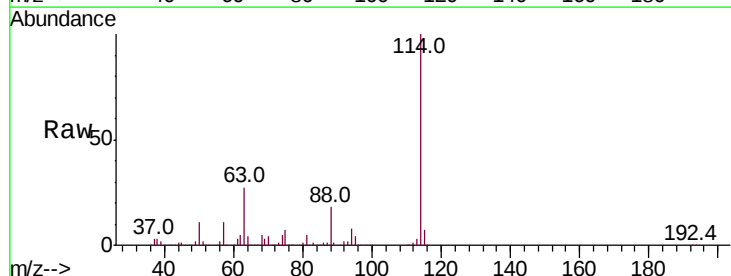
#36
Benzene
Concen: 0.042 ppbv
RT: 6.85
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 22:41

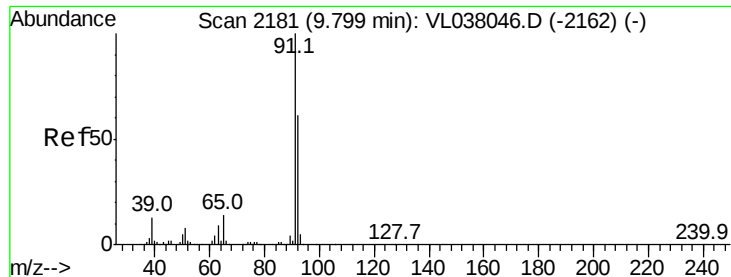
Tot Ion: 78 Resp: 11615
Ion Ratio Lower Upper
78 100
77 21.7 18.2 27.4
50 20.8 14.7 22.1



#39
1,2-Dichloropropane
Concen: 6.831 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.49 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion: 63 Resp: 724363
Ion Ratio Lower Upper
63 100
41 0.0 52.3 78.5#
62 16.3 55.1 82.7#





#53

Toluene

Concen: 0.085 ppbv

RT: 9.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

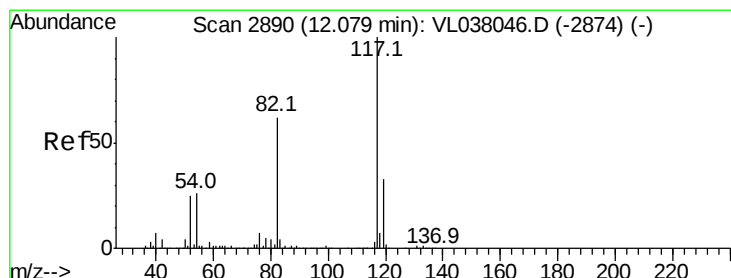
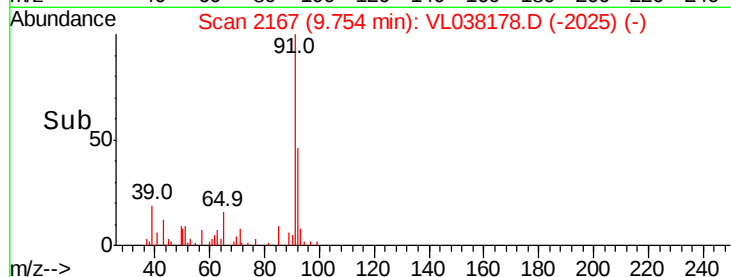
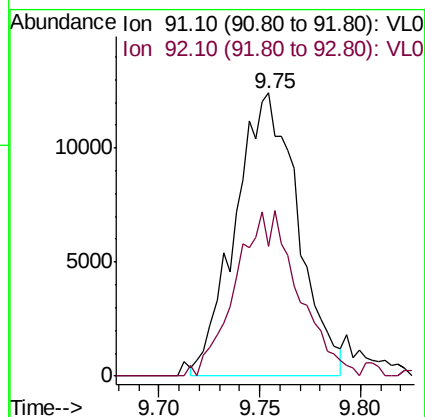
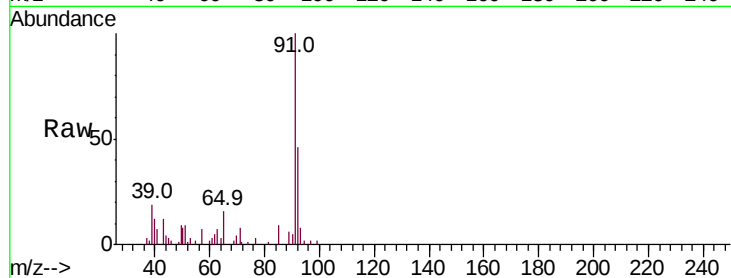
Acq: 14 Dec 2021 22:41

Tot Ion: 91 Resp: 26890

Ion Ratio Lower Upper

91 100

92 59.6 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.03 min Scan# 2875

Delta R.T. -0.05 min

Lab File: VL038178.D

Acq: 14 Dec 2021 22:41

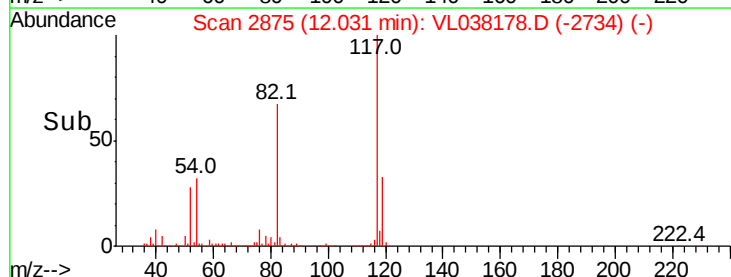
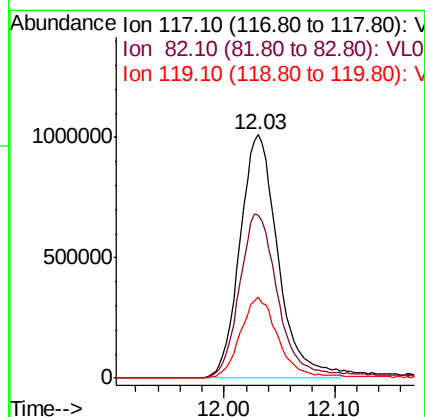
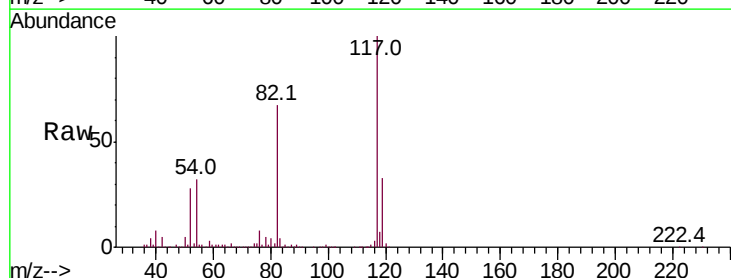
Tgt Ion: 117 Resp: 2423534

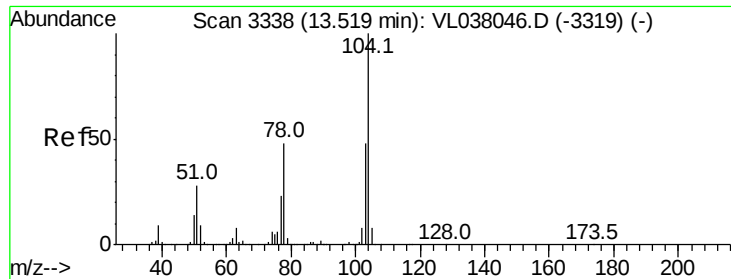
Ion Ratio Lower Upper

117 100

82 72.2 52.8 79.2

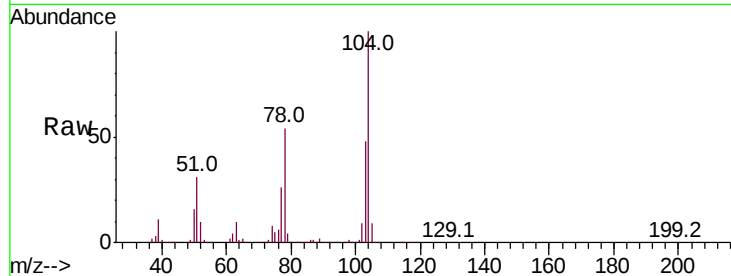
119 34.1 26.8 40.2



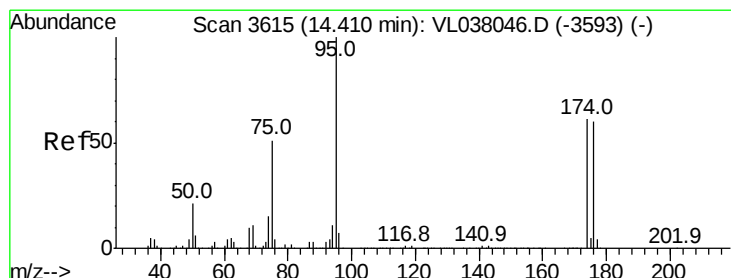
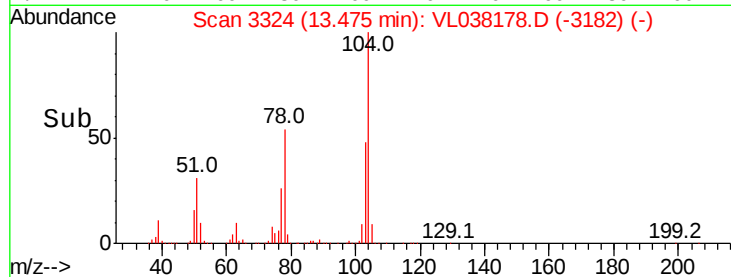
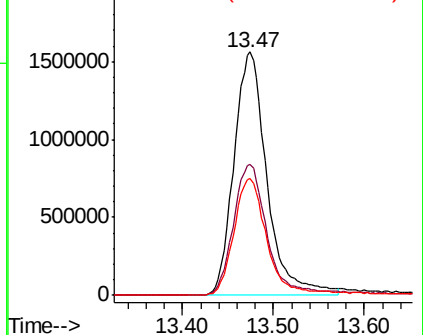


#61
Stvrene
Concen: 23.552 ppbv
RT: 13.47
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 22:41

Tot Ion: 104 Resp: 3949716
Ion Ratio Lower Upper
104 100
78 57.6 39.8 59.6
103 50.0 38.2 57.2

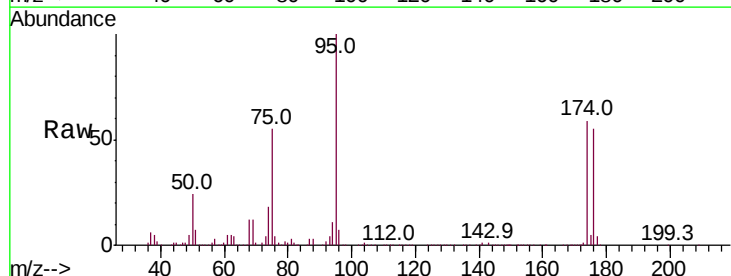


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 11.099 ppbv
RT: 14.36 min Scan# 3599
Delta R.T.: -0.05 min
Lab File: VL038178.D
Acq: 14 Dec 2021 22:41

Tgt Ion: 95 Resp: 1940232
Ion Ratio Lower Upper
95 100
174 63.5 53.1 79.7
175 4.4 4.0 6.0



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

