

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038873.D
 Acq On : 11 Apr 2022 17:00
 Operator : SY/AP
 Sample : N2339-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFFLUENT

Quant Time: Apr 12 02:48:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1245370	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3082223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2794999	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2186189	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

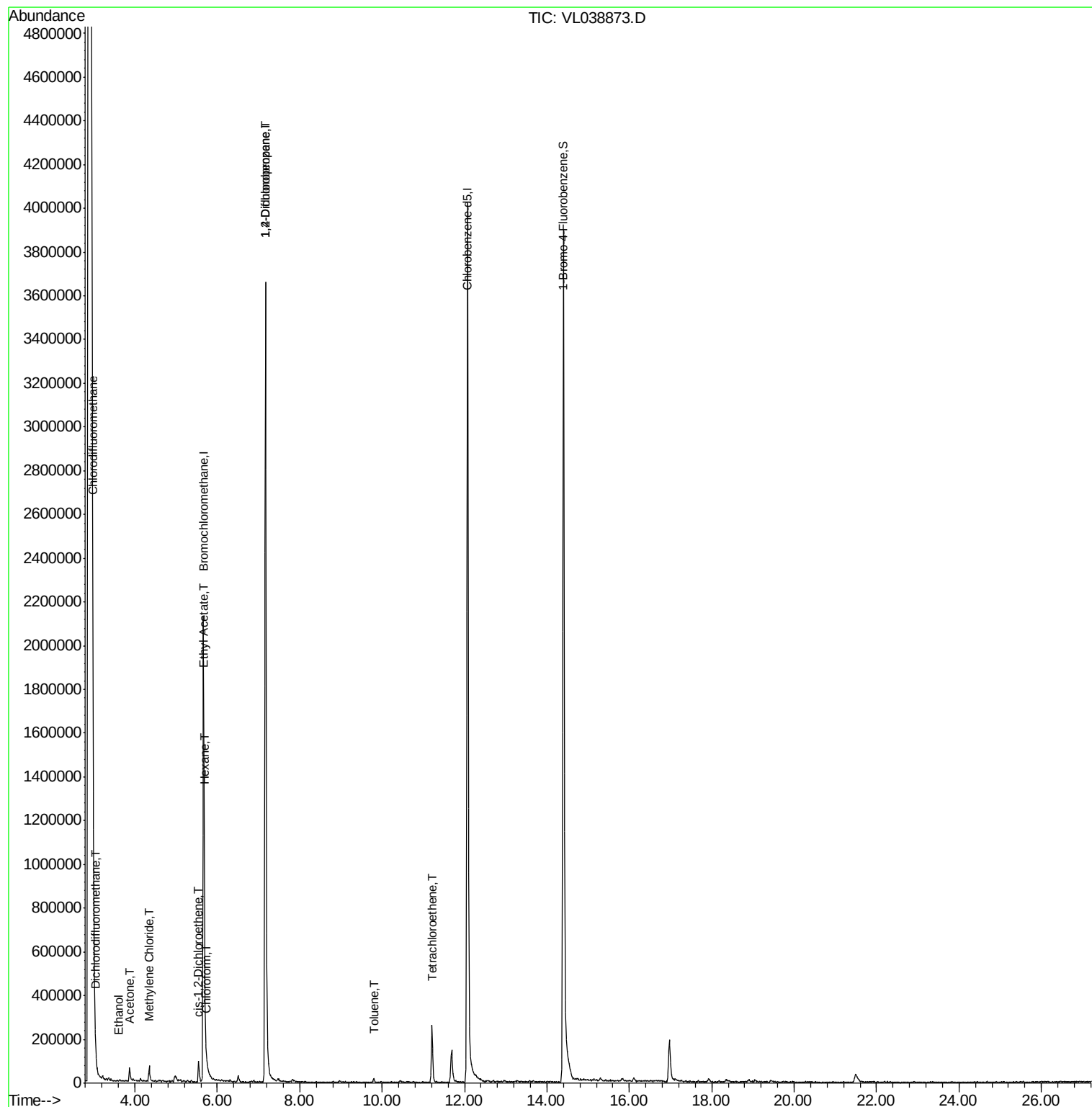
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	10853	0.061	ppbv	96
3) Chlorodifluoromethane	2.98	51	11056	0.073	ppbv #	85
13) Ethanol	3.61	45	915	0.187	ppbv #	100
15) Acetone	3.87	43	45915	0.370	ppbv	94
20) Methylene Chloride	4.35	84	25994	0.578	ppbv #	80
25) Ethyl Acetate	5.68	43	13308	0.042	ppbv #	80
26) Hexane	5.69	57	17063	0.119	ppbv #	40
29) Chloroform	5.75	83	8741	0.044	ppbv	84
31) cis-1,2-Dichloroethene	5.55	61	60004	0.456	ppbv #	84
39) 1,2-Dichloropropane	7.17	63	820513	7.651	ppbv #	27
52) Tetrachloroethene	11.21	164	59590	0.608	ppbv	95
53) Toluene	9.79	91	11073	0.034	ppbv #	80

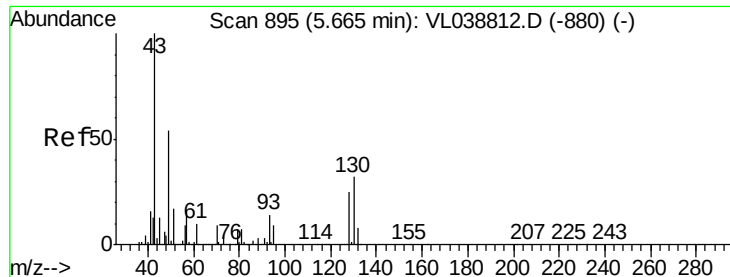
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 12 02:48:48 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-EFFLUENT

Acq: 11 Apr 2022 17:00

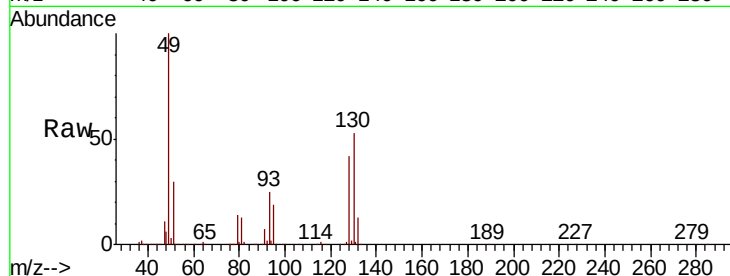
Tot Ion: 49 Resp: 1245370

Ion Ratio Lower Upper

49 100

128 46.7 24.1 72.3

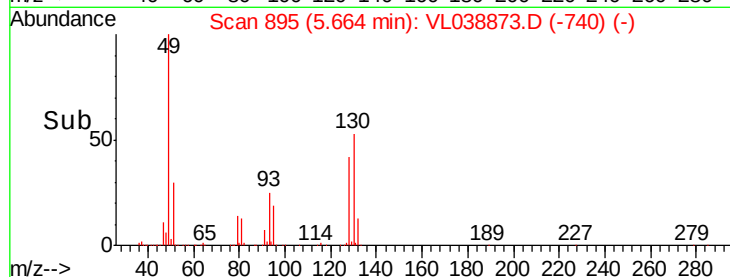
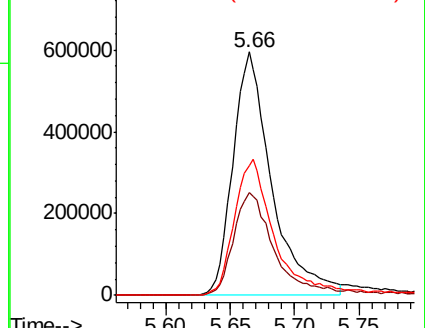
130 61.1 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

800000 Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038873.D

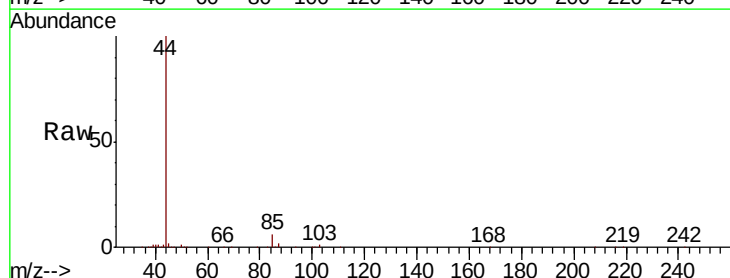
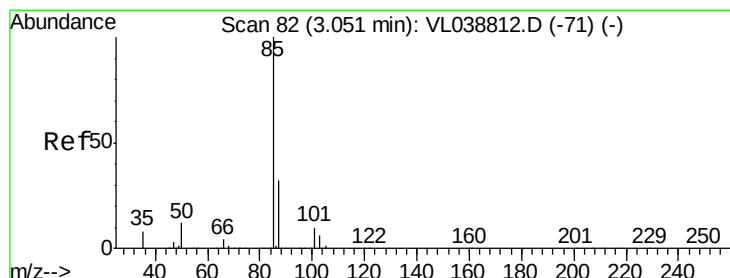
Acq: 11 Apr 2022 17:00

Tgt Ion: 85 Resp: 10853

Ion Ratio Lower Upper

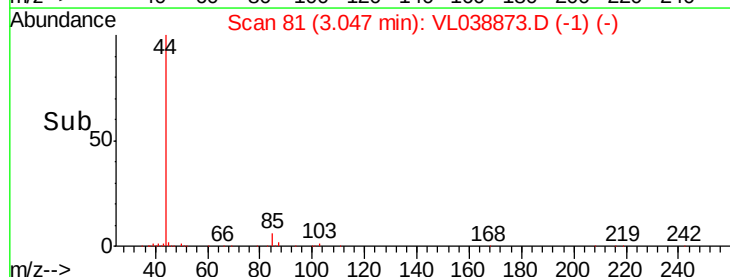
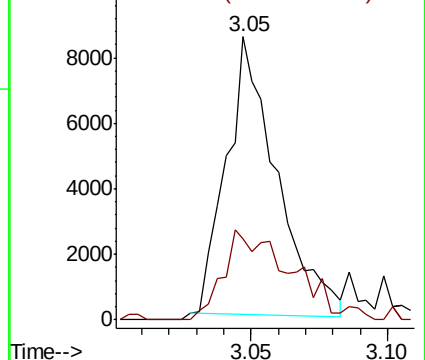
85 100

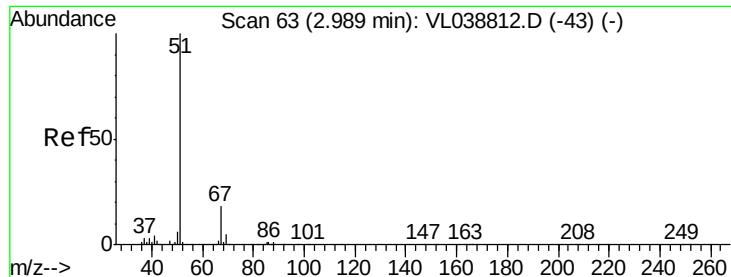
87 30.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

10000 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.073 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVE-EFFLUENT

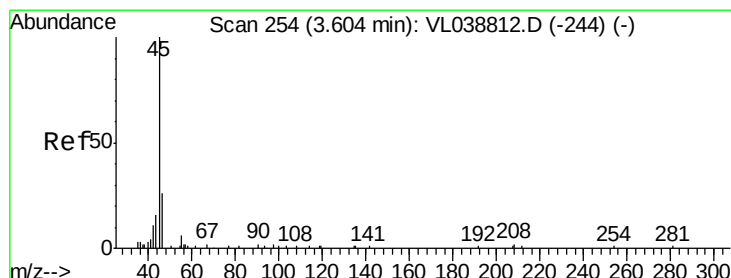
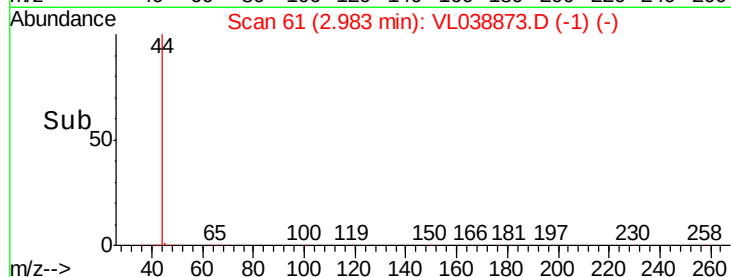
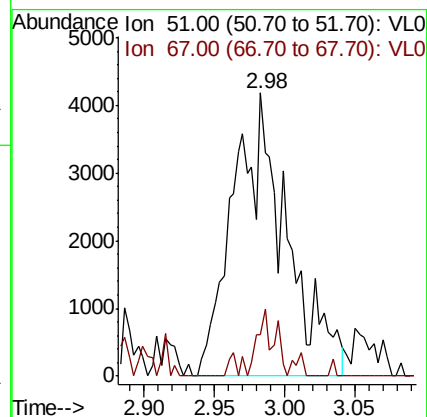
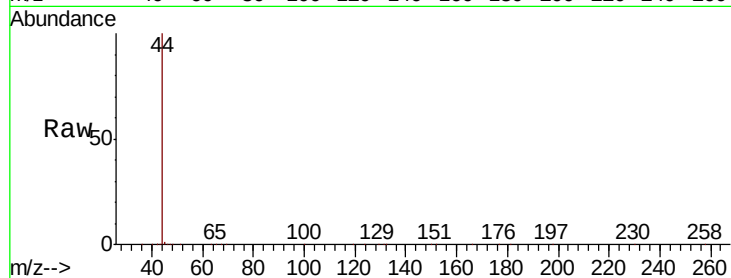
Acq: 11 Apr 2022 17:00

Tot Ion: 51 Resp: 11056

Ion Ratio Lower Upper

51 100

67 10.3 13.4 20.0#



#13

Ethanol

Concen: 0.187 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL038873.D

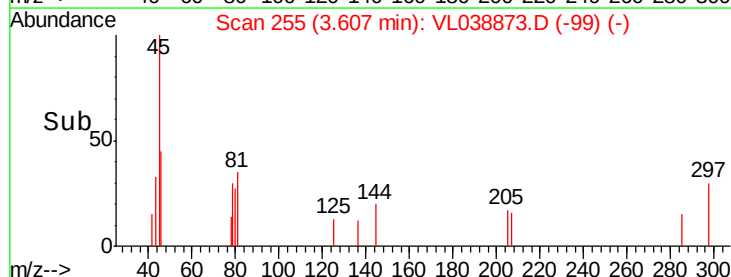
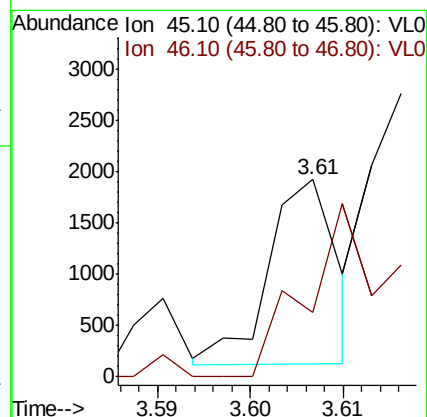
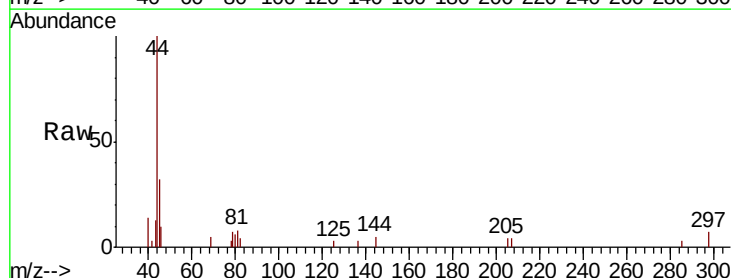
Acq: 11 Apr 2022 17:00

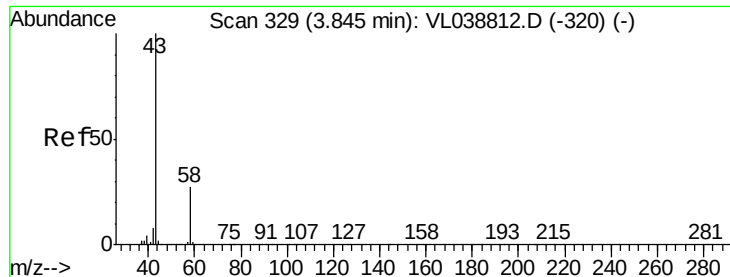
Tgt Ion: 45 Resp: 915

Ion Ratio Lower Upper

45 100

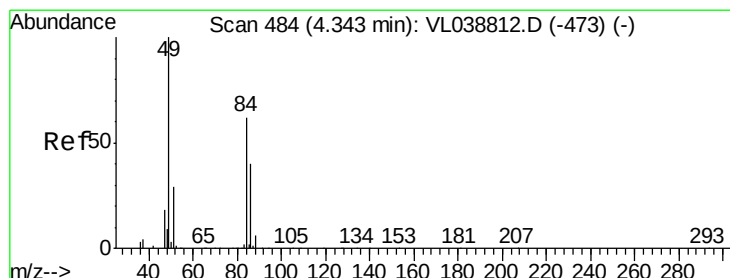
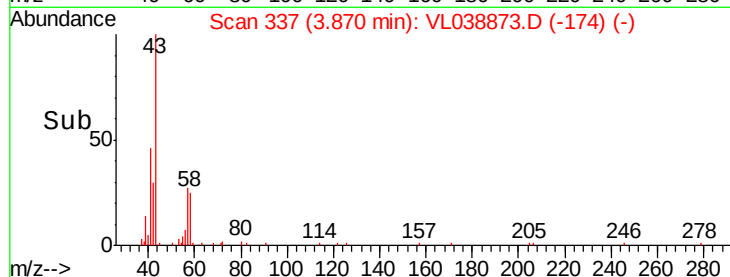
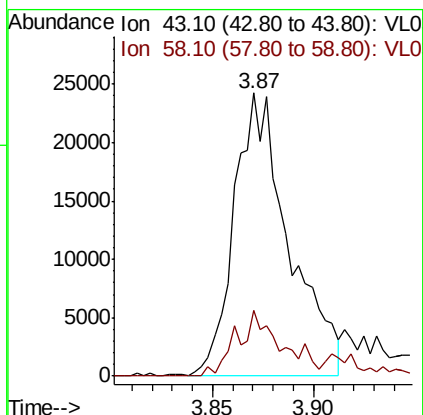
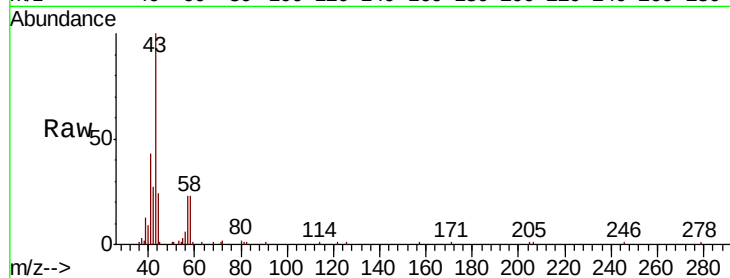
46 254.9 0.0 0.0#





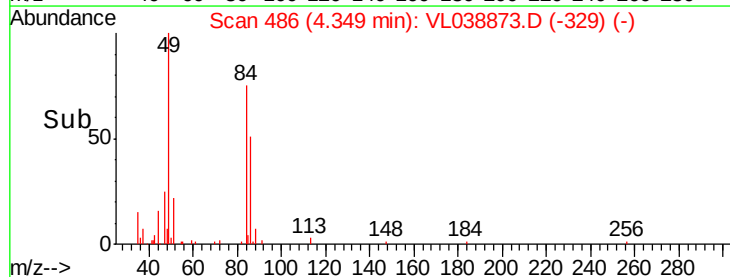
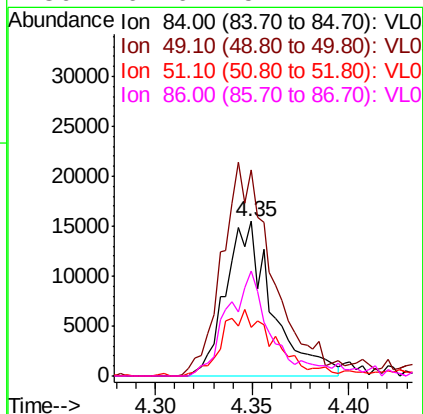
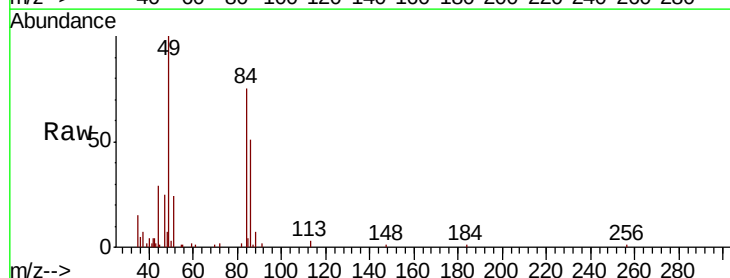
#15
Acetone
Concen: 0.370 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 17:00

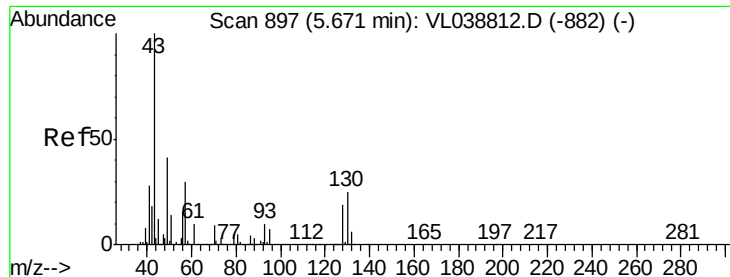
Tot Ion: 43 Resp: 45915
Ion Ratio Lower Upper
43 100
58 24.7 22.5 33.7



#20
Methylene Chloride
Concen: 0.578 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL038873.D
Acq: 11 Apr 2022 17:00

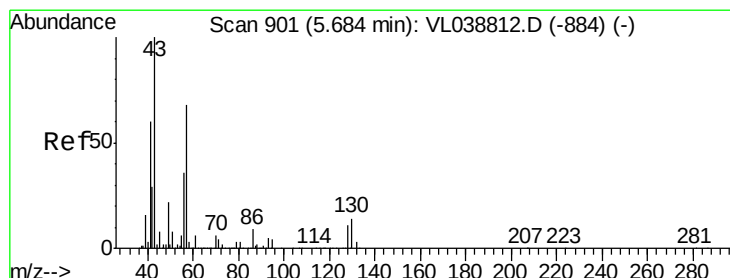
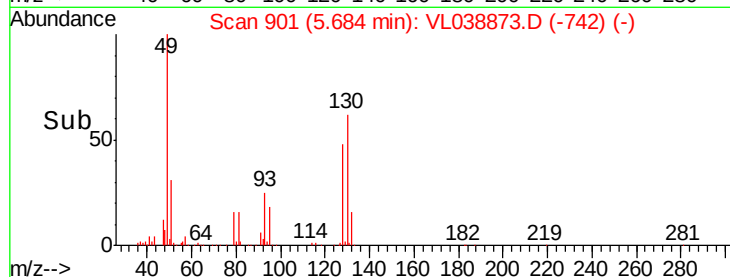
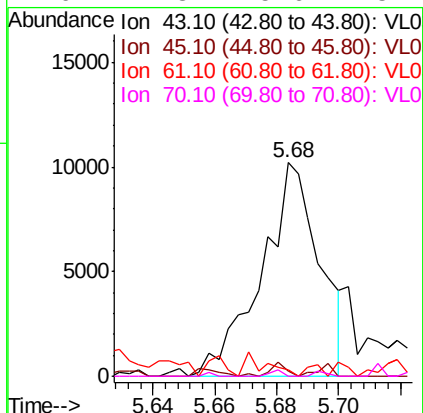
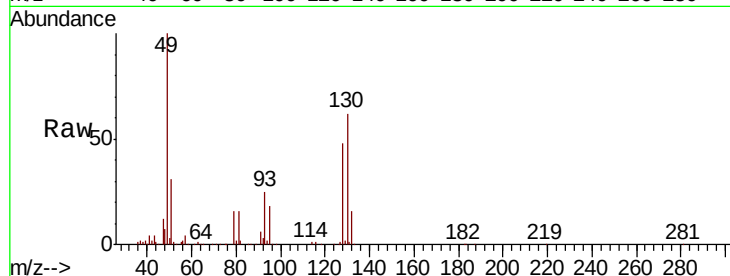
Tgt Ion: 84 Resp: 25994
Ion Ratio Lower Upper
84 100
49 128.1 129.4 194.0#
51 30.2 37.4 56.2#
86 67.6 51.4 77.2





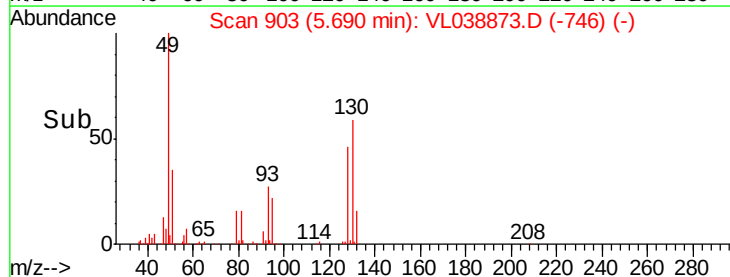
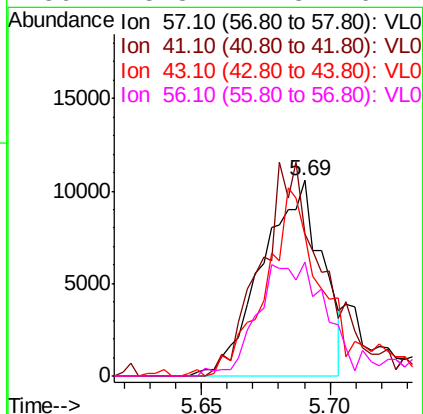
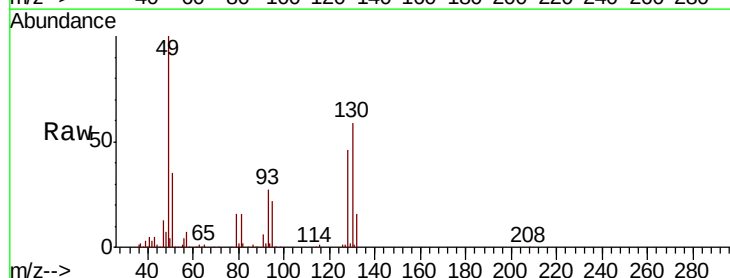
#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 17:00
SVE-EFFLUENT

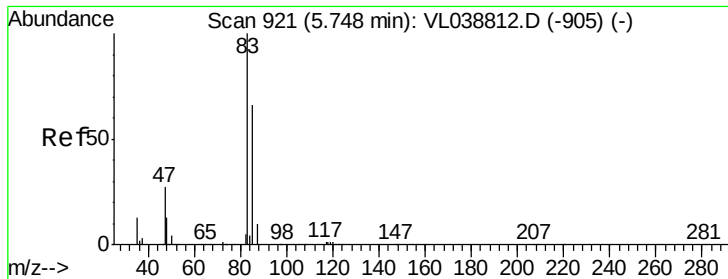
Tot Ion:	43	Resp:	13308
Ion	Ratio	Lower	Upper
43	100		
45	4.8	8.4	12.6#
61	0.0	7.9	11.9#
70	1.3	5.6	8.4#



#26
Hexane
Concen: 0.119 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038873.D
Acq: 11 Apr 2022 17:00

Tgt Ion:	57	Resp:	17063
Ion	Ratio	Lower	Upper
57	100		
41	119.0	72.0	108.0#
43	103.1	186.6	280.0#
56	73.8	42.8	64.2#





#29

Chloroform

Concen: 0.044 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

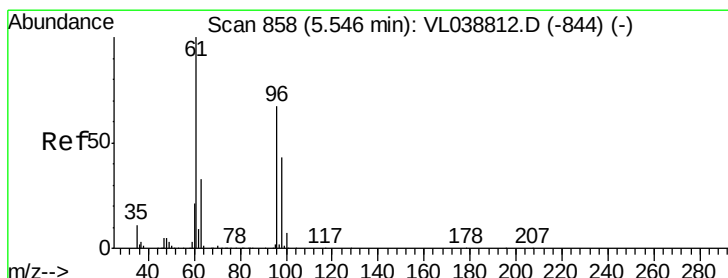
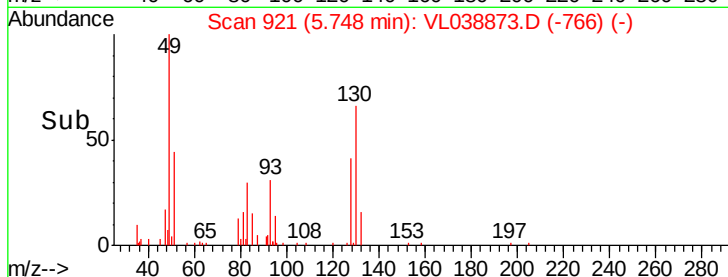
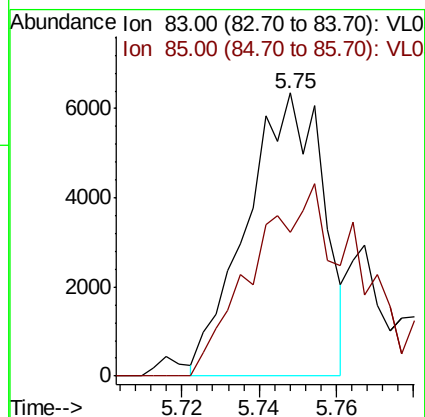
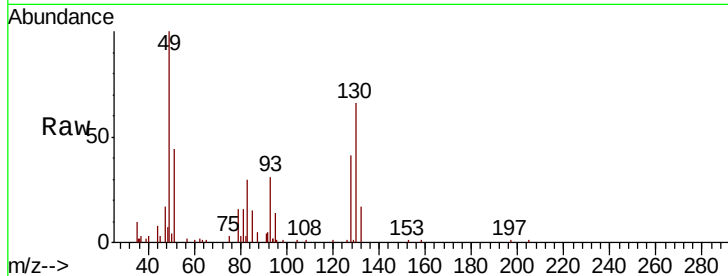
Acq: 11 Apr 2022 17:00 SVE-EFFLUENT

Tot Ion: 83 Resp: 8741

Ion Ratio Lower Upper

83 100

85 52.7 52.5 78.7



#31

cis-1,2-Dichloroethene

Concen: 0.456 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.00 min

Lab File: VL038873.D

Acq: 11 Apr 2022 17:00

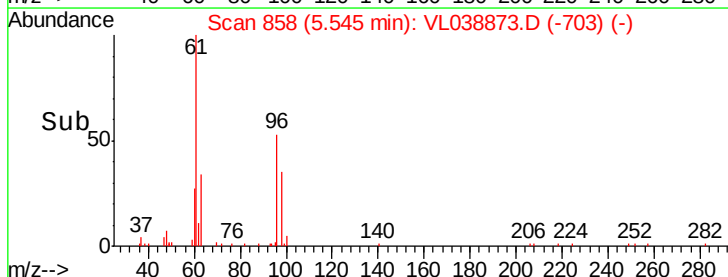
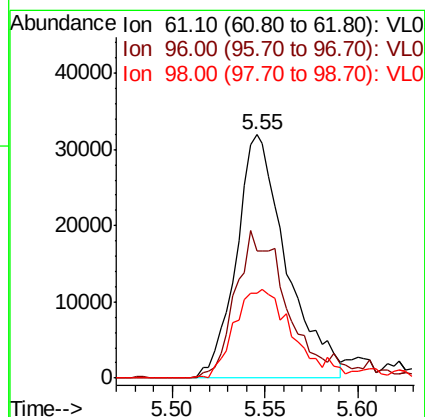
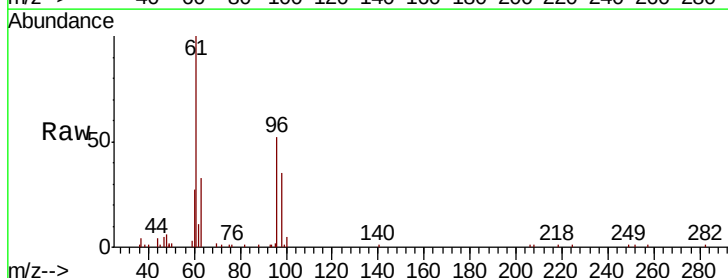
Tgt Ion: 61 Resp: 60004

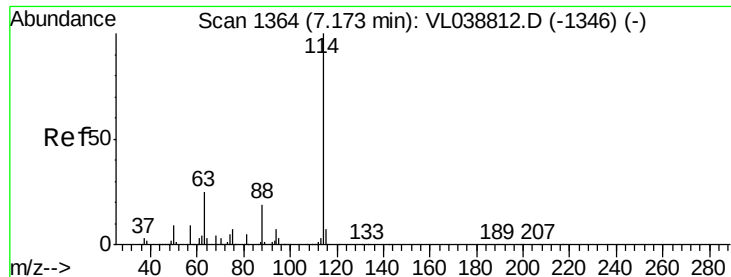
Ion Ratio Lower Upper

61 100

96 52.2 53.4 80.0#

98 34.9 34.2 51.4

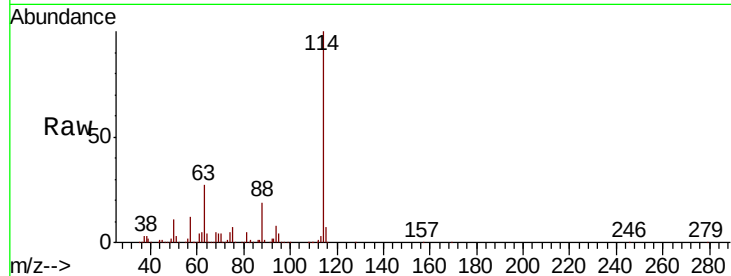




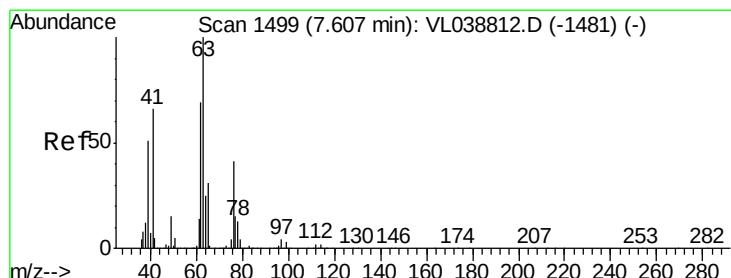
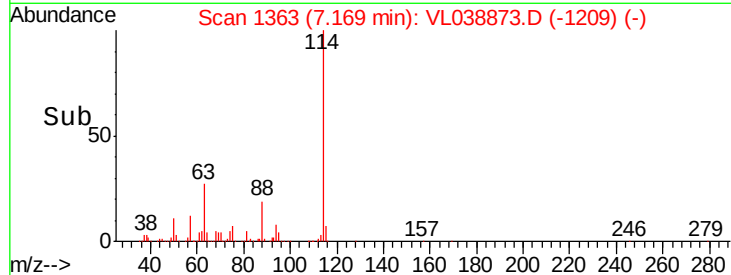
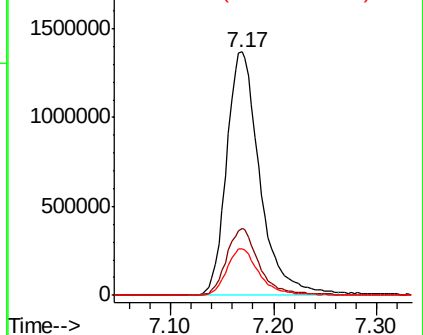
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:00

Tot Ion: 114 Resp: 3082223

Ion	Ratio	Lower	Upper
114	100		
63	27.2	19.8	29.8
88	19.0	14.2	21.4



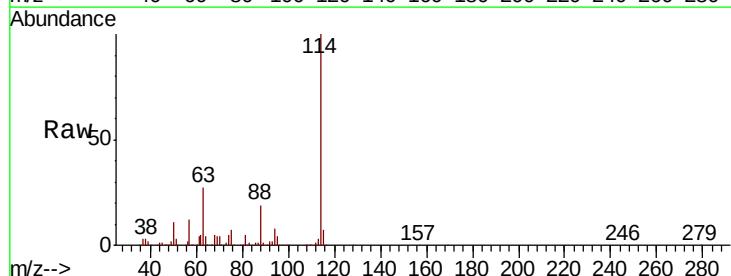
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



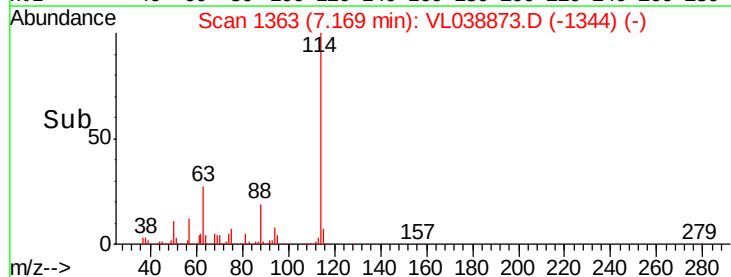
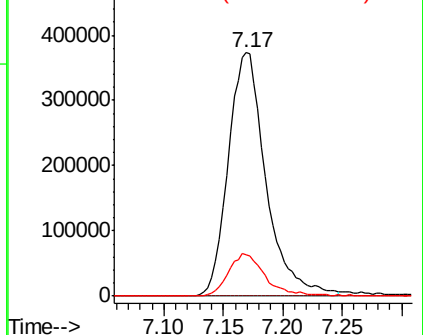
#39
 1,2-Dichloropropane
 Concen: 7.651 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL038873.D
 Acq: 11 Apr 2022 17:00

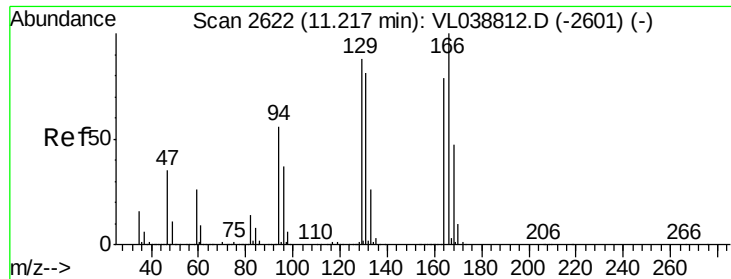
Tgt Ion: 63 Resp: 820513

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	17.0	55.0	82.4#



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





#52

Tetrachloroethene

Concen: 0.608 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 17:00

Tot Ion:164 Resp: 59590

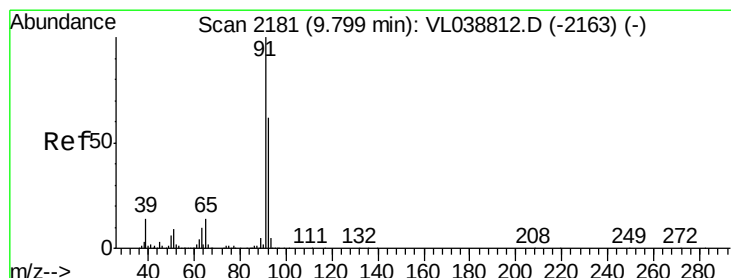
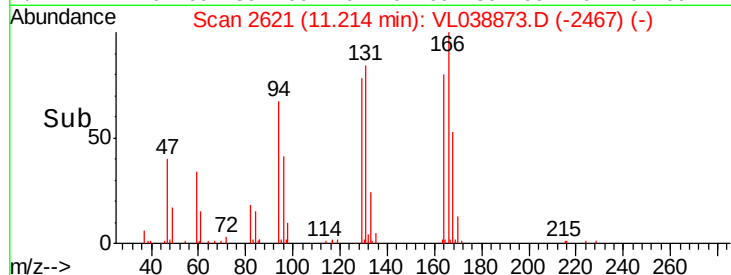
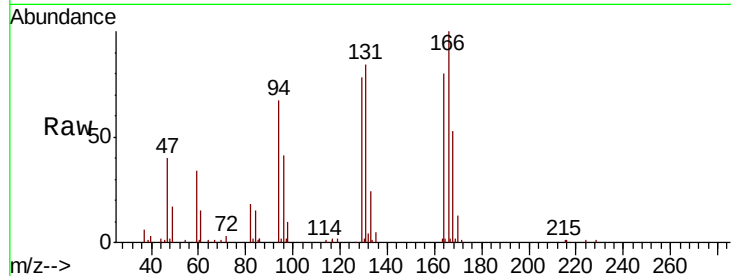
Ion Ratio Lower Upper

164 100

166 124.0 101.0 151.6

129 97.8 88.7 133.1

131 103.0 81.8 122.6



#53

Toluene

Concen: 0.034 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL038873.D

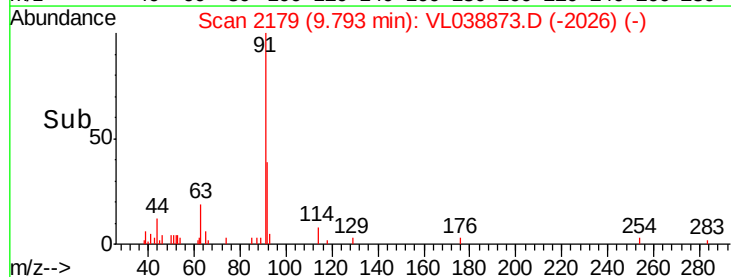
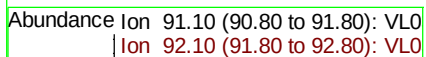
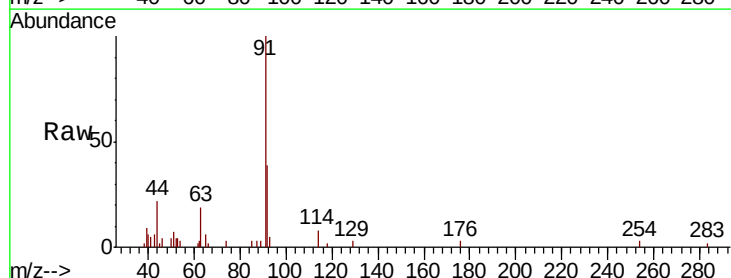
Acq: 11 Apr 2022 17:00

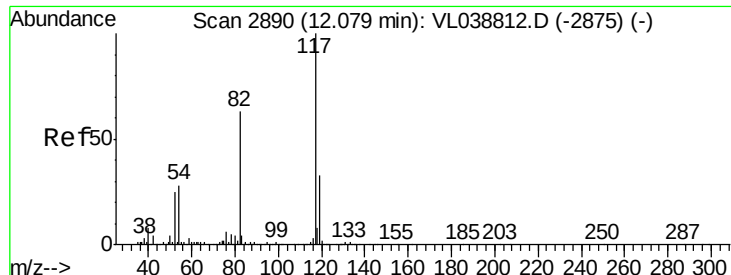
Tgt Ion: 91 Resp: 11073

Ion Ratio Lower Upper

91 100

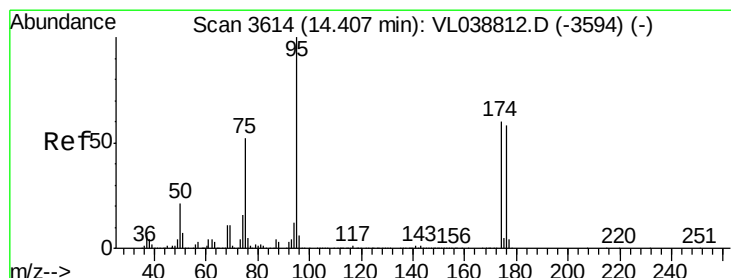
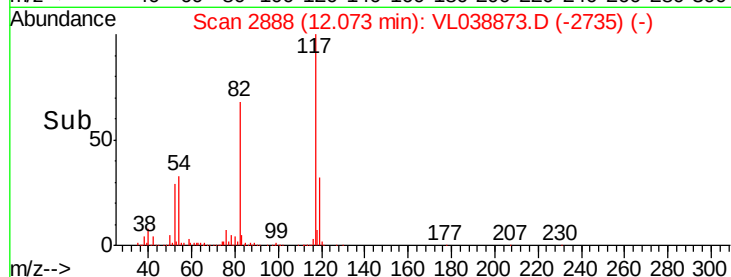
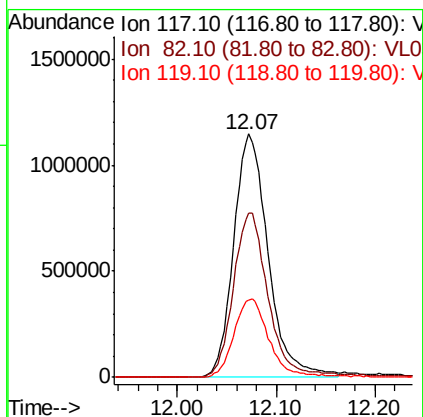
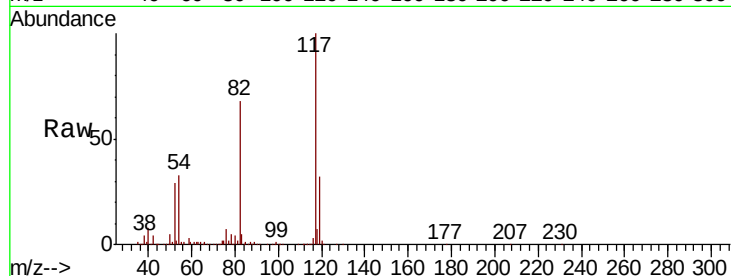
92 76.9 49.2 73.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 17:00

Tot Ion: 117 Resp: 2794999
Ion Ratio Lower Upper
117 100
82 69.4 53.0 79.6
119 33.3 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.312 ppbv
RT: 14.40 min Scan# 3613
Delta R.T.: -0.00 min
Lab File: VL038873.D
Acq: 11 Apr 2022 17:00

Tgt Ion: 95 Resp: 2186189
Ion Ratio Lower Upper
95 100
174 63.1 52.0 78.0
175 4.4 4.0 6.0

