

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038859.D
 Acq On : 8 Apr 2022 2:43
 Operator : SY/AP
 Sample : N2274-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1161-8-01-SG-1DL

Quant Time: Apr 11 05:18:59 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	5.70	49	1031771	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2811744	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2384899	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1913750	10.58	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

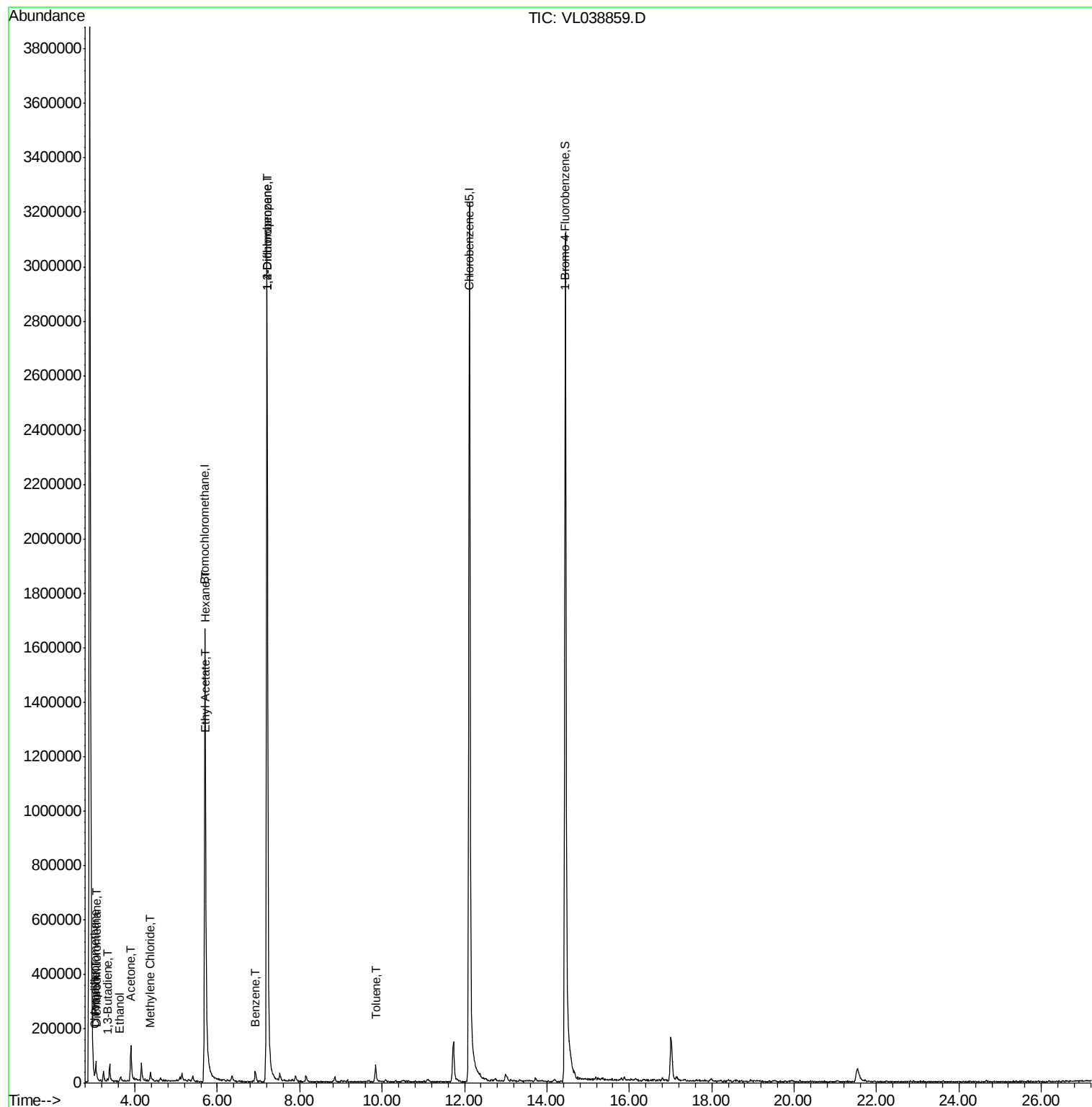
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	9636	0.066	ppbv	94
3) Chlorodifluoromethane	3.02	51	10526	0.084	ppbv #	81
9) Propene	3.05	41	12833	0.193	ppbv	85
13) Ethanol	3.64	45	5312	1.312	ppbv #	100
15) Acetone	3.90	43	88131	0.858	ppbv #	89
16) 1,3-Butadiene	3.34	39	3501	0.060	ppbv #	9
20) Methylene Chloride	4.38	84	8094	0.217	ppbv #	62
25) Ethyl Acetate	5.72	43	16693	0.064	ppbv #	81
26) Hexane	5.72	57	23880	0.201	ppbv #	49
36) Benzene	6.92	78	15205	0.059	ppbv #	93
39) 1,2-Dichloropropane	7.21	63	703300	7.189	ppbv #	26
53) Toluene	9.84	91	43591	0.148	ppbv	94

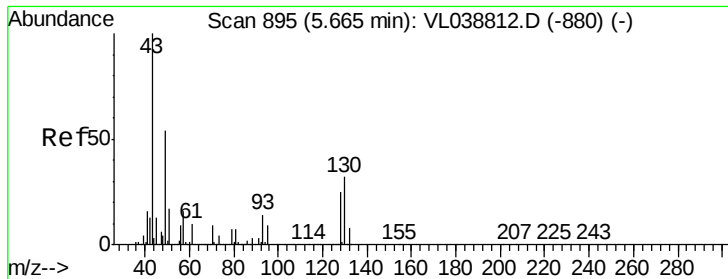
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-1DL

Quant Time: Apr 11 05:18:59 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: 5.70 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 2:43

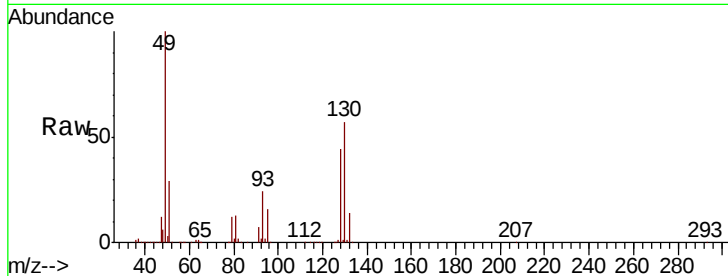
Tot Ion: 49 Resp: 1031771

Ion Ratio Lower Upper

49 100

128 49.7 24.1 72.3

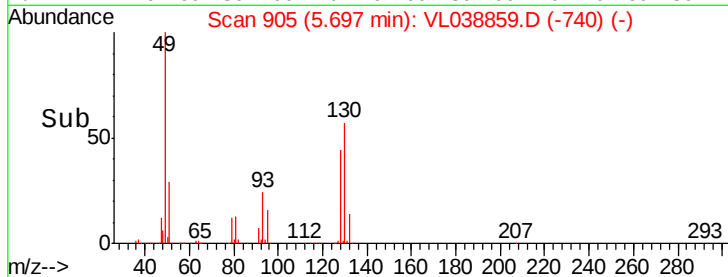
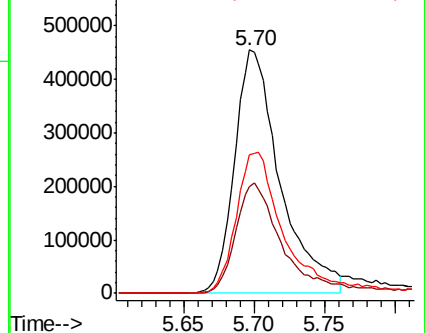
130 63.2 30.9 92.8



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: 0.066 ppbv

RT: 3.07 min Scan# 88

Delta R.T. 0.02 min

Lab File: VL038859.D

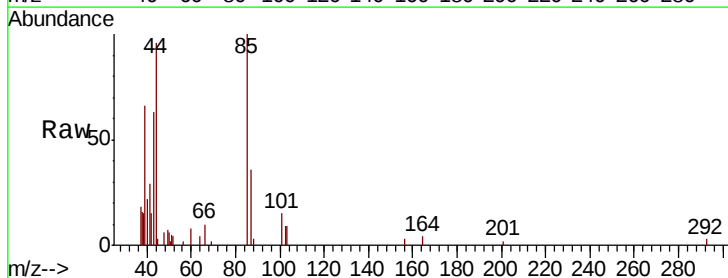
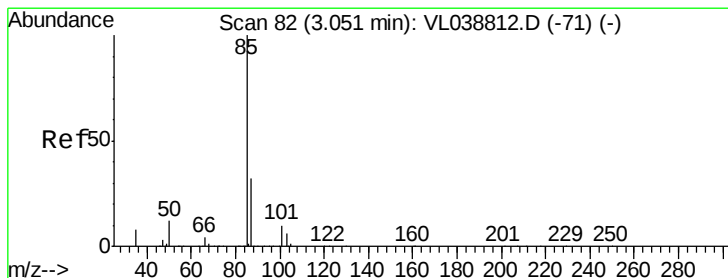
Acq: 8 Apr 2022 2:43

Tgt Ion: 85 Resp: 9636

Ion Ratio Lower Upper

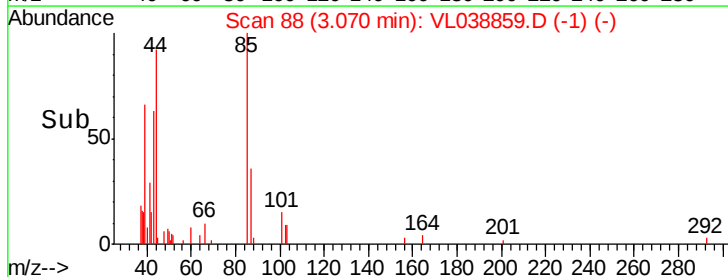
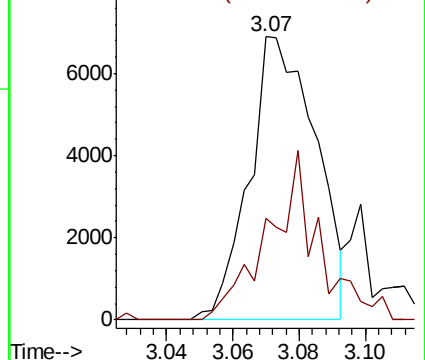
85 100

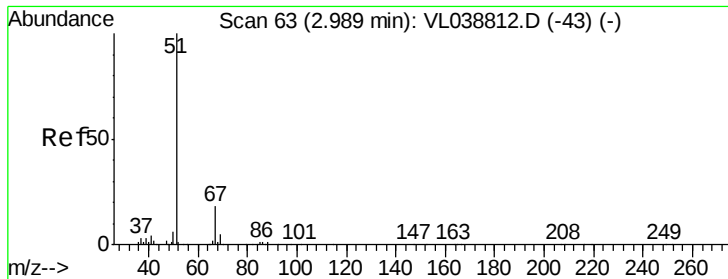
87 36.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.084 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

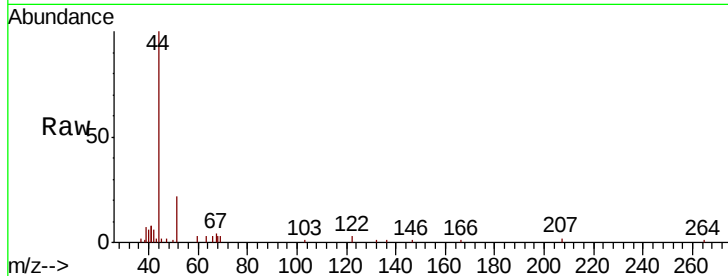
Acq: 8 Apr 2022 2:43

Tot Ion: 51 Resp: 10526

Ion Ratio Lower Upper

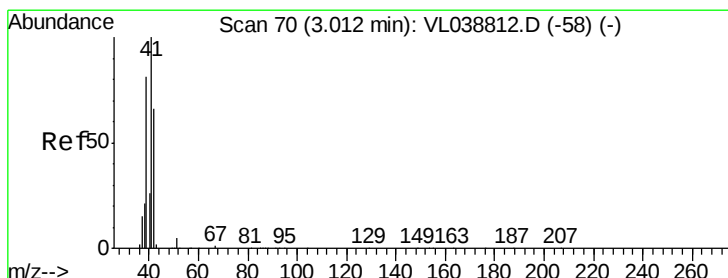
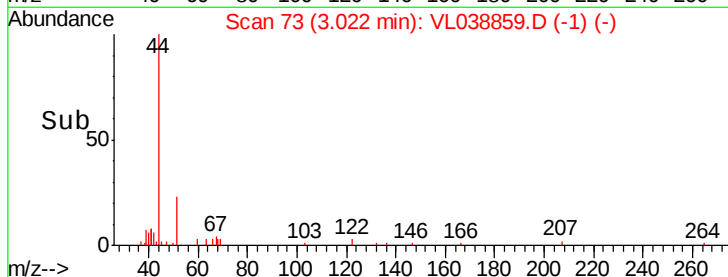
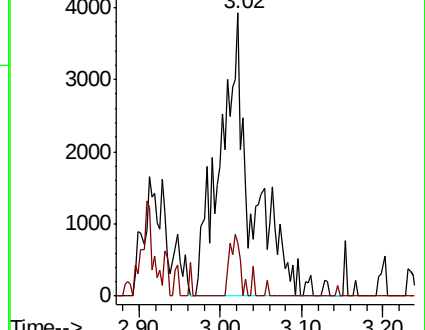
51 100

67 8.5 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.193 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.04 min

Lab File: VL038859.D

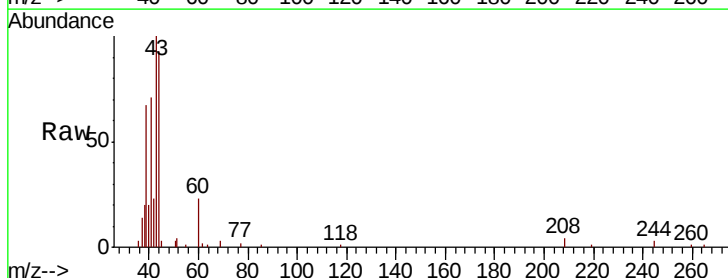
Acq: 8 Apr 2022 2:43

Tgt Ion: 41 Resp: 12833

Ion Ratio Lower Upper

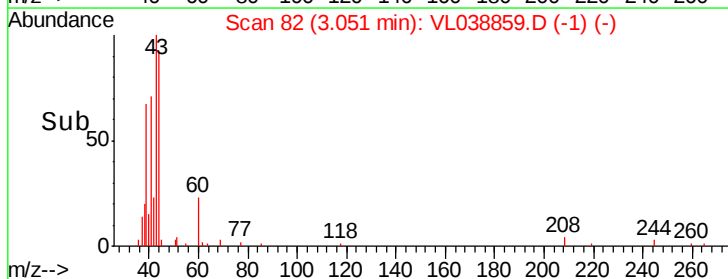
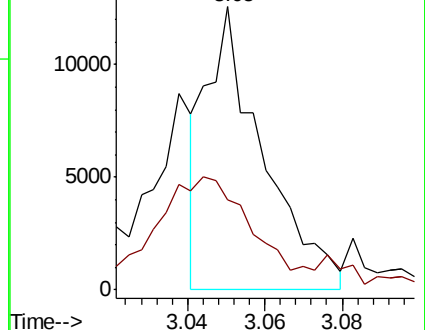
41 100

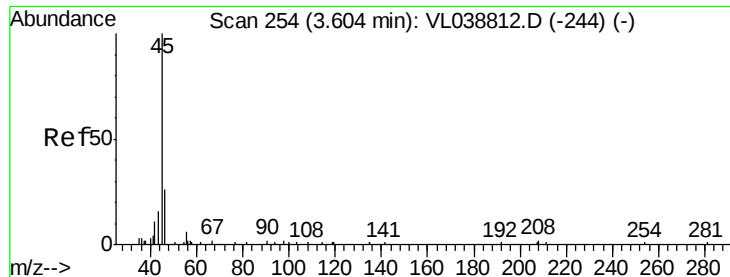
42 79.7 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.312 ppbv

RT: 3.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

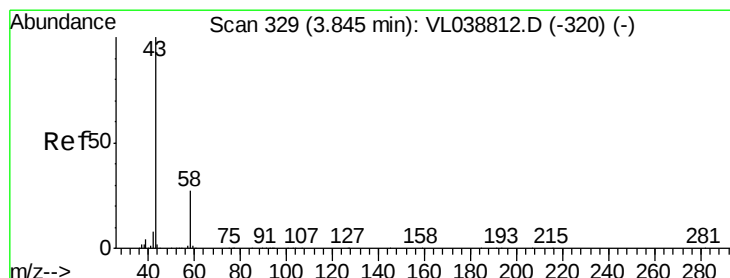
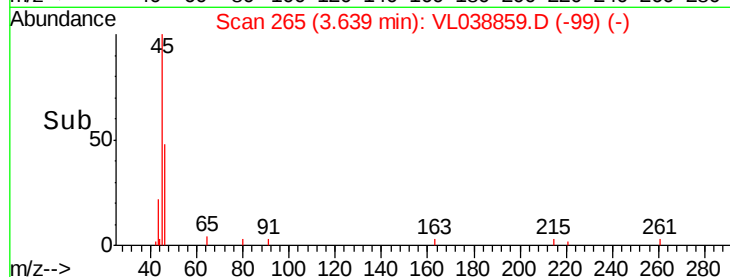
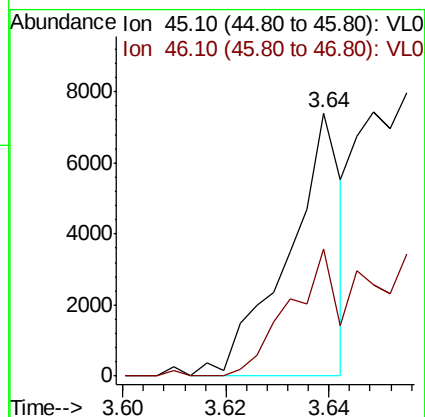
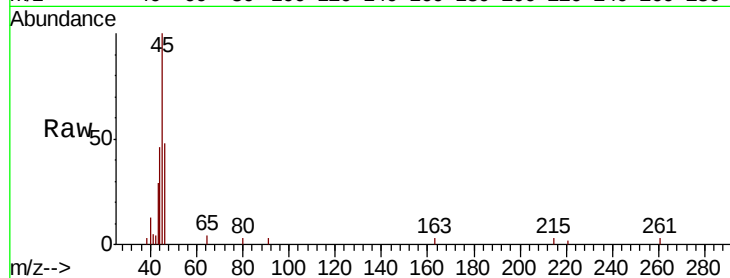
Acq: 8 Apr 2022 2:43 1161-8-01-SG-1DL

Tot Ion: 45 Resp: 5312

Ion Ratio Lower Upper

45 100

46 118.6 0.0 0.0#



#15

Acetone

Concen: 0.858 ppbv

RT: 3.90 min Scan# 346

Delta R.T. 0.05 min

Lab File: VL038859.D

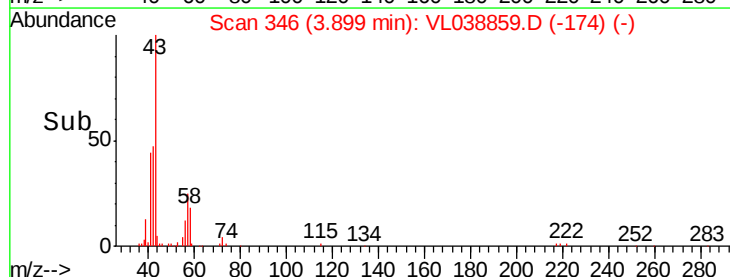
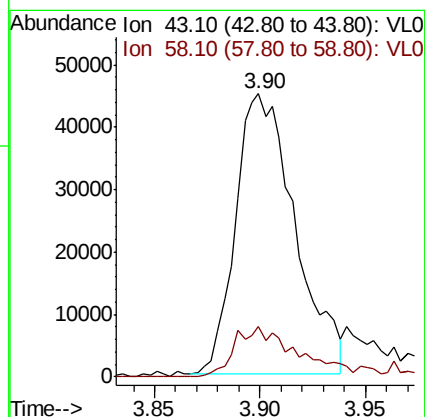
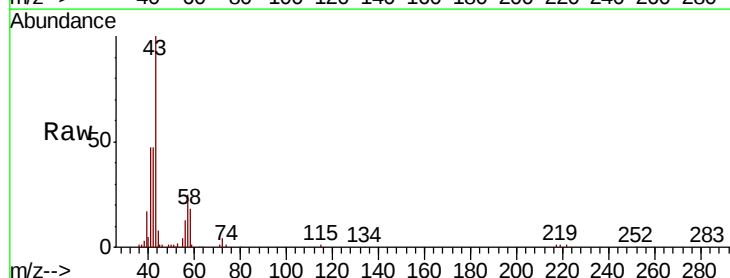
Acq: 8 Apr 2022 2:43

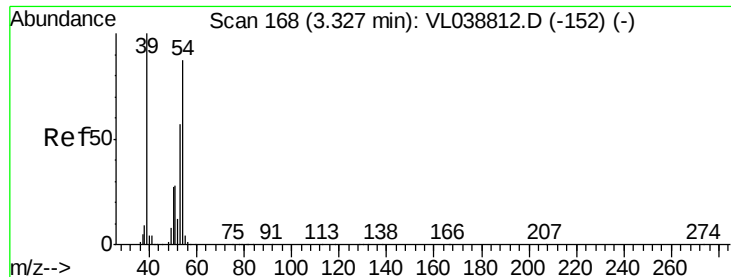
Tgt Ion: 43 Resp: 88131

Ion Ratio Lower Upper

43 100

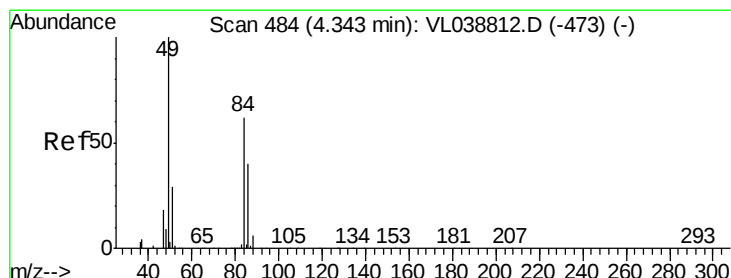
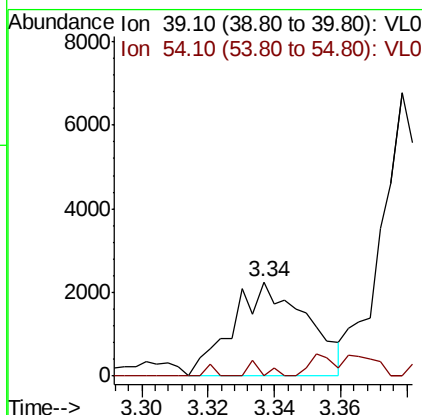
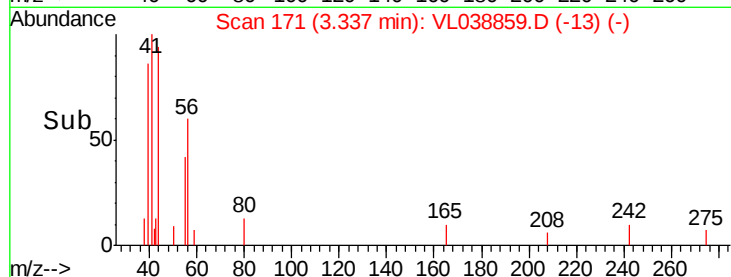
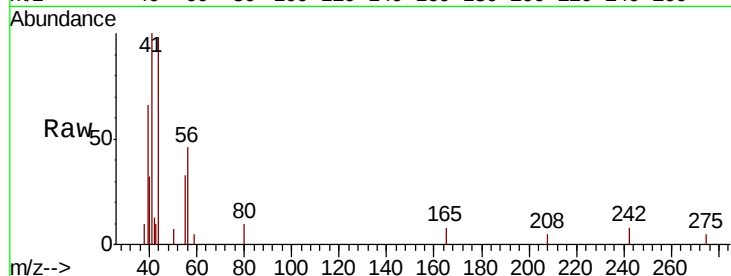
58 22.2 22.5 33.7#





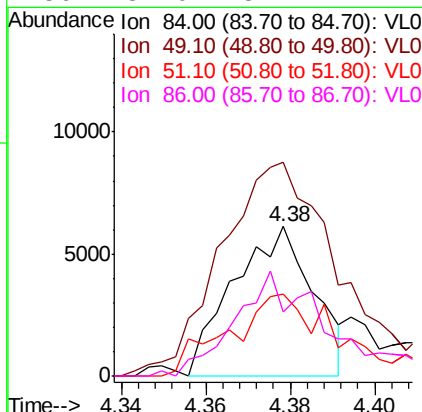
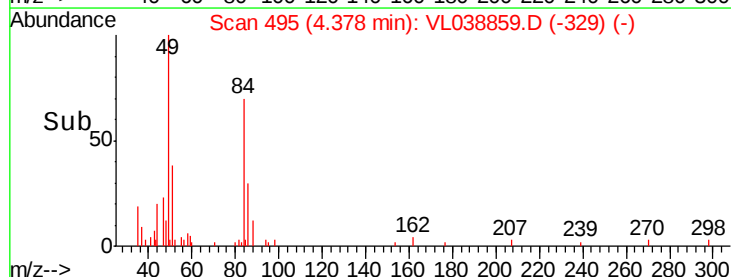
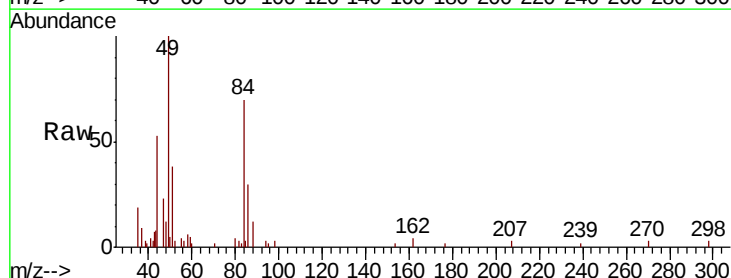
#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 3.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 8 Apr 2022 2:43

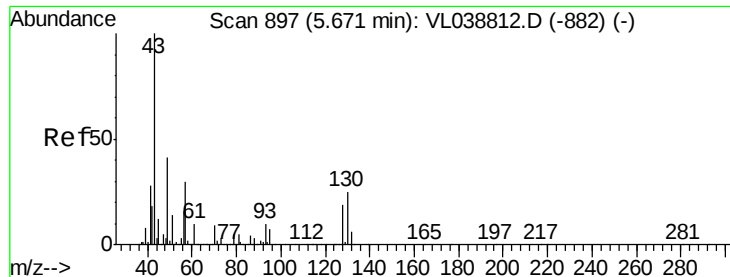
Tot Ion: 39 Resp: 3501
Ion Ratio Lower Upper
39 100
54 0.0 64.8 97.2#



#20
Methylene Chloride
Concen: 0.217 ppbv
RT: 4.38 min Scan# 495
Delta R.T. 0.04 min
Lab File: VL038859.D
Acq: 8 Apr 2022 2:43

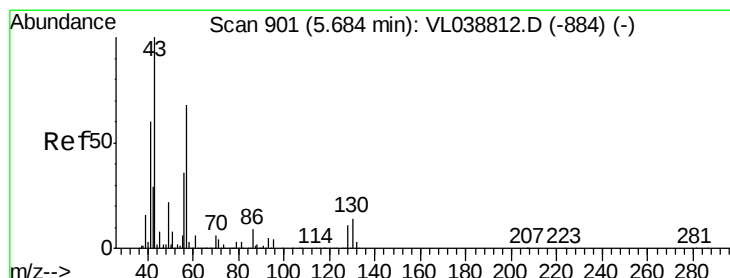
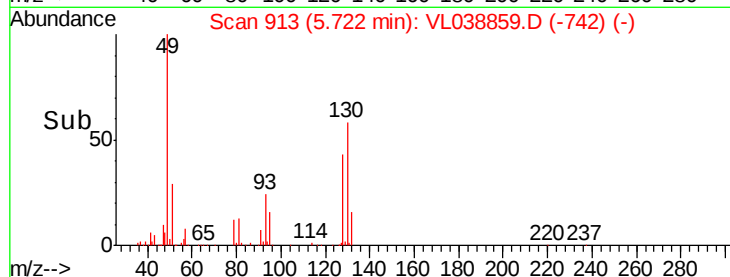
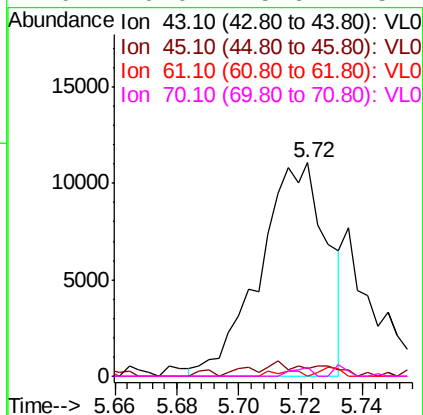
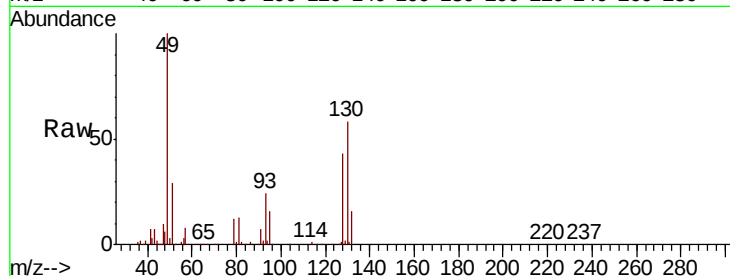
Tgt Ion: 84 Resp: 8094
Ion Ratio Lower Upper
84 100
49 104.0 129.4 194.0#
51 35.4 37.4 56.2#
86 32.0 51.4 77.2#





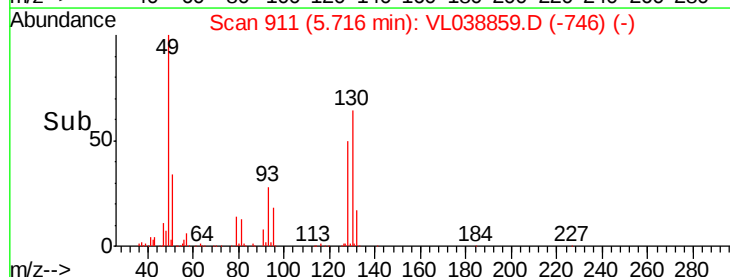
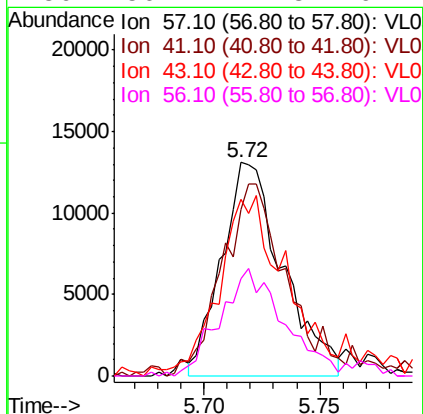
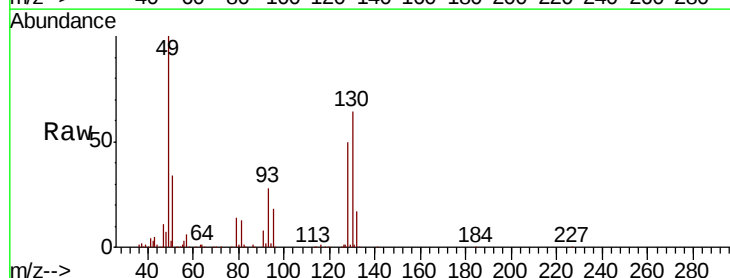
#25
Ethyl Acetate
Concen: 0.064 ppbv
RT: 5.72 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: VL038812.D
Acq: 8 Apr 2022 2:43

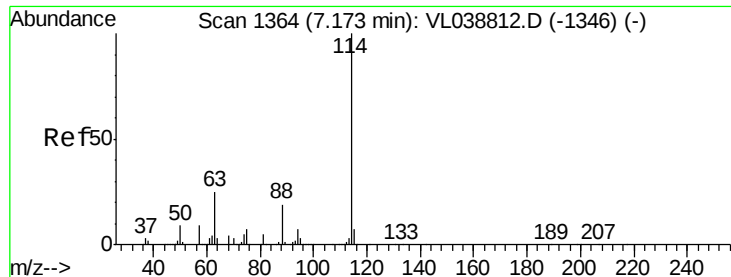
Tot Ion:	43	Resp:	16693
Ion	Ratio	Lower	Upper
43	100		
45	6.8	8.4	12.6#
61	0.0	7.9	11.9#
70	0.0	5.6	8.4#



#26
Hexane
Concen: 0.201 ppbv
RT: 5.72 min Scan# 911
Delta R.T.: 0.03 min
Lab File: VL038859.D
Acq: 8 Apr 2022 2:43

Tgt Ion:	57	Resp:	23880
Ion	Ratio	Lower	Upper
57	100		
41	101.3	72.0	108.0
43	103.9	186.6	280.0#
56	56.4	42.8	64.2

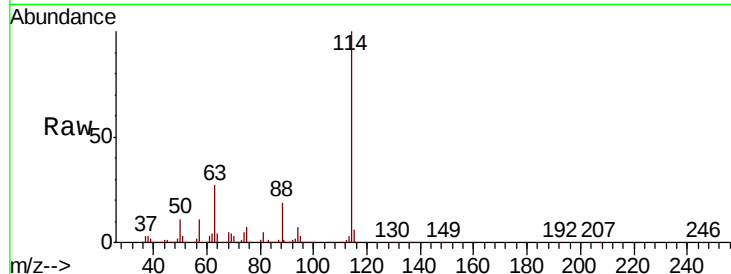




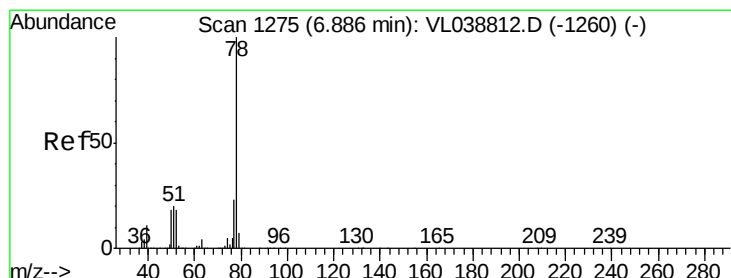
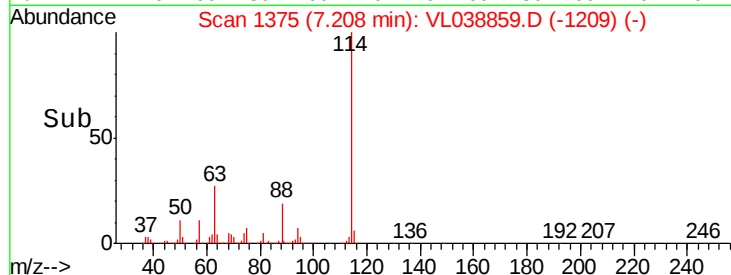
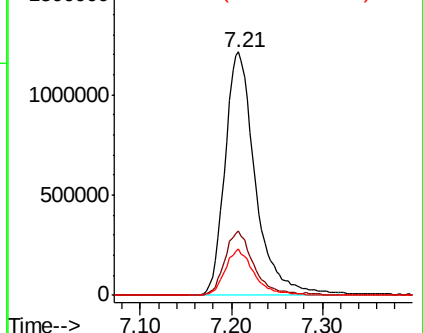
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8-01-SG-1DL
 Acq: 8 Apr 2022 2:43

Tot Ion:114 Resp: 2811744

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.8	29.8
88	18.7	14.2	21.4



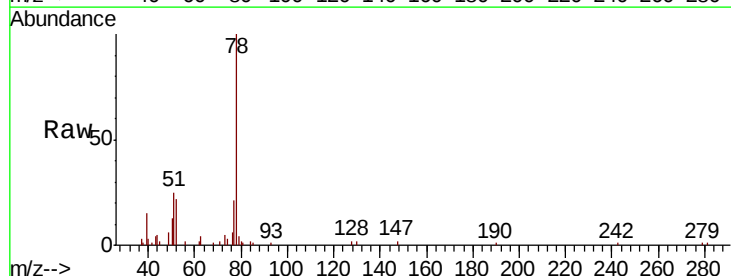
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



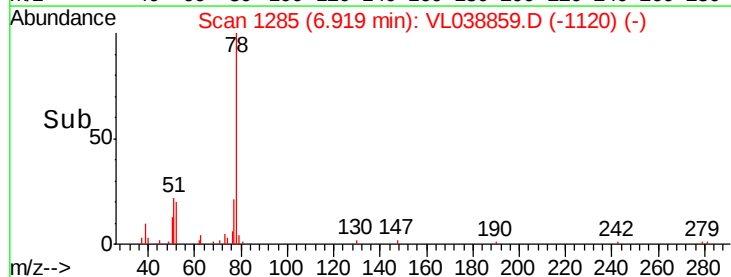
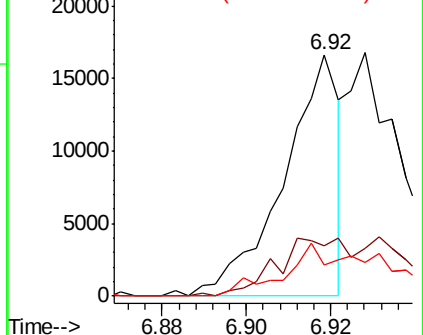
#36
 Benzene
 Concen: 0.059 ppbv
 RT: 6.92 min Scan# 1285
 Delta R.T. 0.03 min
 Lab File: VL038859.D
 Acq: 8 Apr 2022 2:43

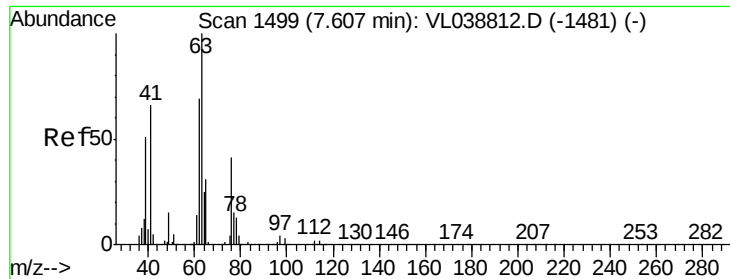
Tgt Ion: 78 Resp: 15205

Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.2	27.2
50	12.9	14.0	21.0#



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.189 ppbv

RT: 7.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Apr 2022 2:43

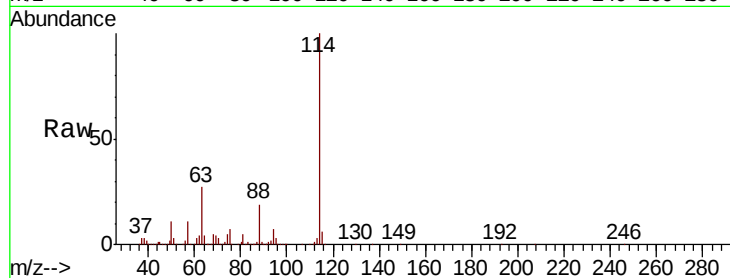
Tot Ion: 63 Resp: 703300

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

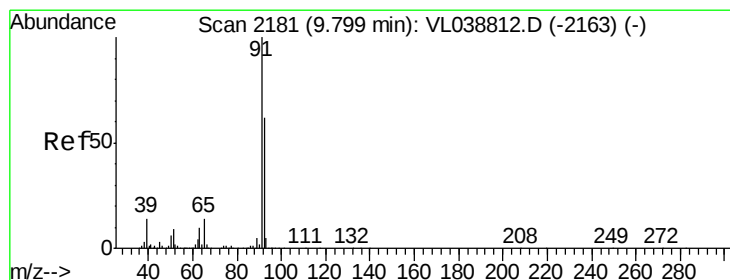
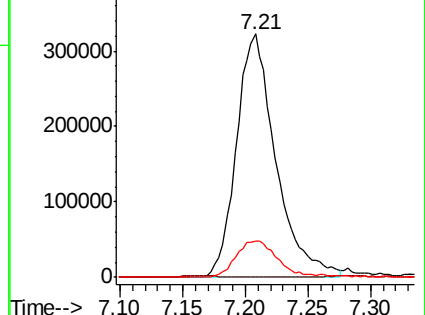
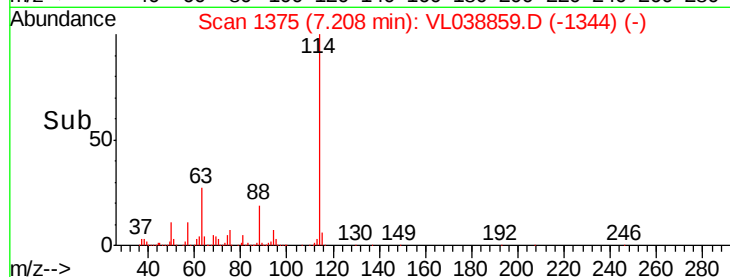
62 15.1 55.0 82.4#



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



#53

Toluene

Concen: 0.148 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.04 min

Lab File: VL038859.D

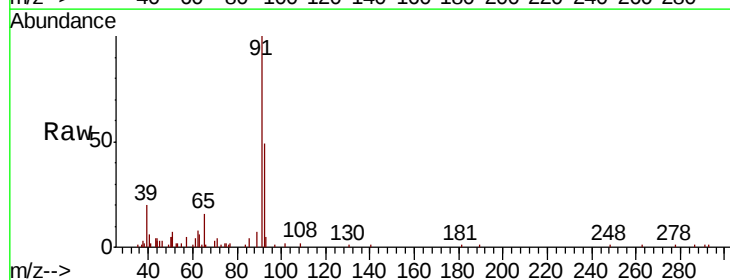
Acq: 8 Apr 2022 2:43

Tgt Ion: 91 Resp: 43591

Ion Ratio Lower Upper

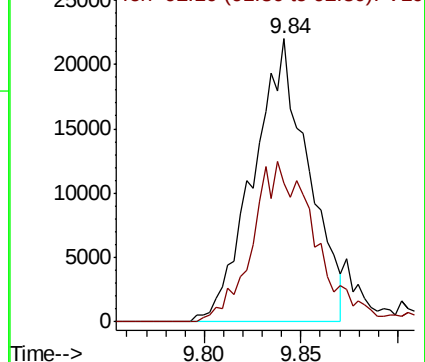
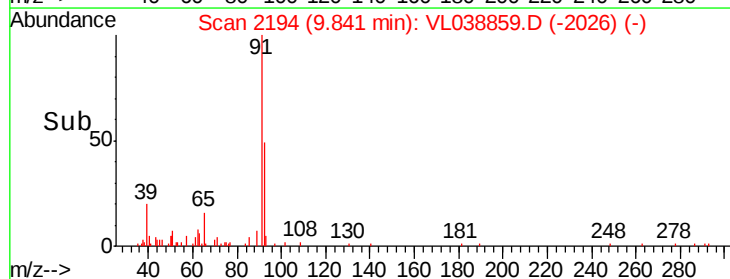
91 100

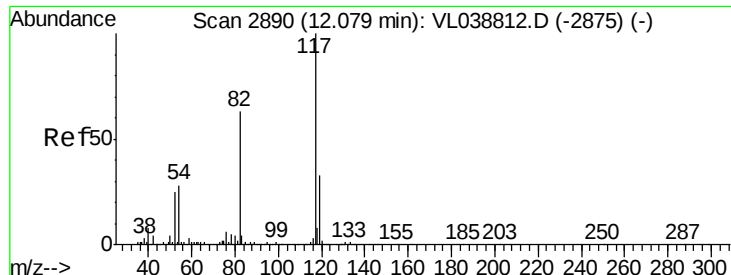
92 66.3 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

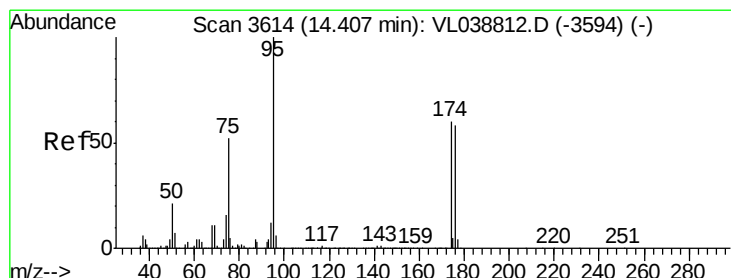
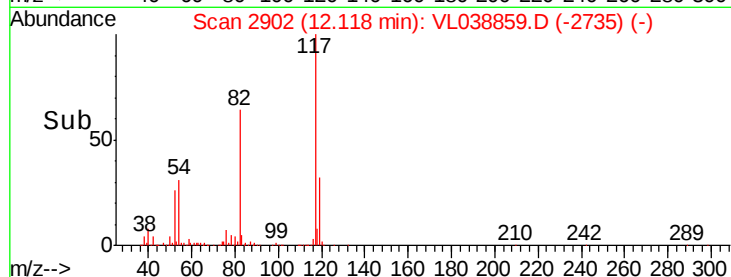
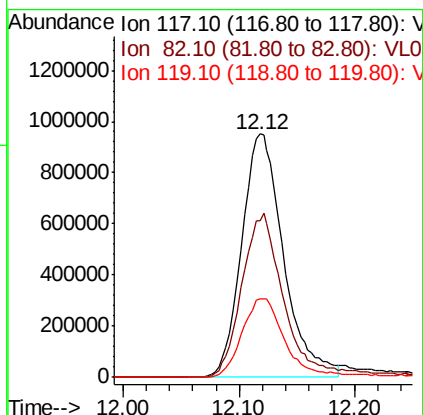
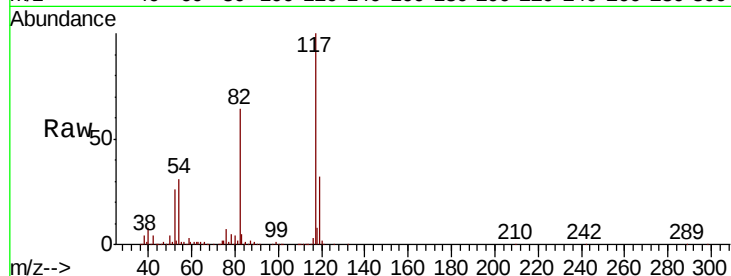




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 2:43

Tot Ion: 117 Resp: 2384899

Ion	Ratio	Lower	Upper
117	100		
82	70.3	53.0	79.6
119	33.8	24.9	37.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.579 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T.: 0.04 min
 Lab File: VL038859.D
 Acq: 8 Apr 2022 2:43

Tgt Ion: 95 Resp: 1913750

Ion	Ratio	Lower	Upper
95	100		
174	63.2	52.0	78.0
175	4.4	4.0	6.0

