

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038305.D
 Acq On : 27 Jan 2022 20:38
 Operator : SY/AP
 Sample : N1308-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Jan 28 05:14:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	789407	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2067834	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1682665	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1178557	9.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

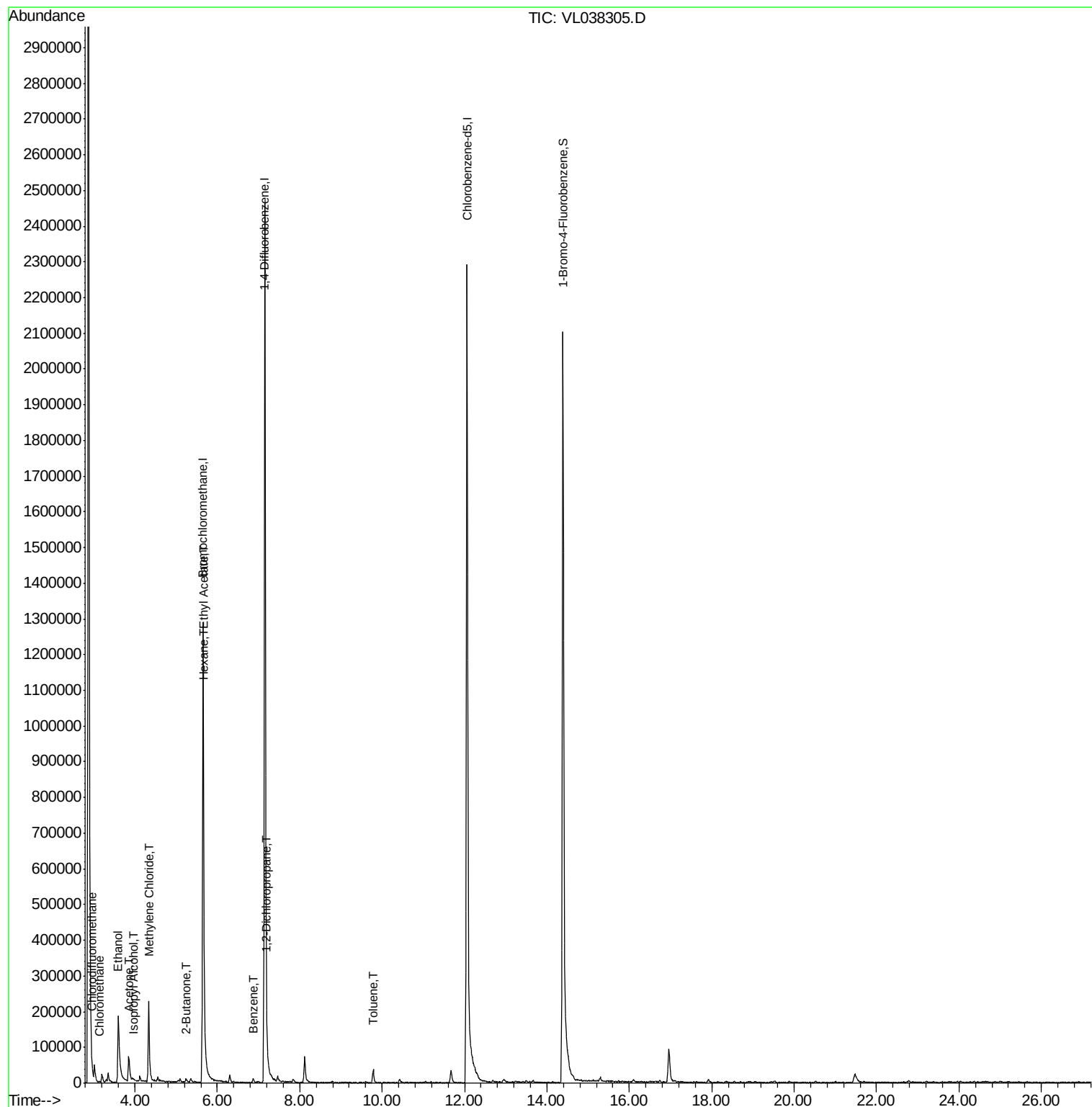
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.96	51	12618	0.080	ppbv #	72
4) Chloromethane	3.13	50	1858	0.034	ppbv #	79
13) Ethanol	3.59	45	295854	53.871	ppbv	99
15) Acetone	3.85	43	94312	1.355	ppbv	96
19) Isopropyl Alcohol	3.97	45	3276	0.075	ppbv #	1
20) Methylene Chloride	4.33	84	98661	2.438	ppbv	96
25) Ethyl Acetate	5.67	43	13654	0.070	ppbv #	90
26) Hexane	5.67	57	11296	0.125	ppbv #	53
34) 2-Butanone	5.24	43	5754	0.085	ppbv #	53
36) Benzene	6.87	78	6183	0.034	ppbv	98
39) 1,2-Dichloropropane	7.20	63	8867	0.120	ppbv #	32
53) Toluene	9.78	91	28881	0.143	ppbv	100

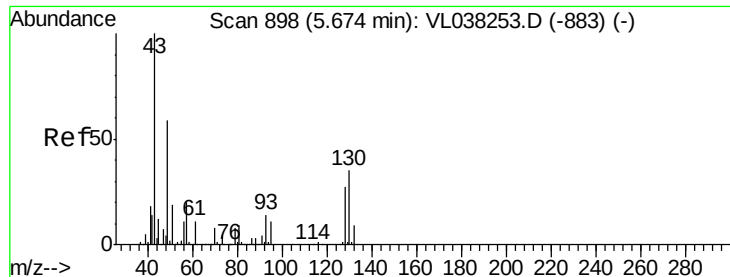
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
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QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-1DL

Acq: 27 Jan 2022 20:38

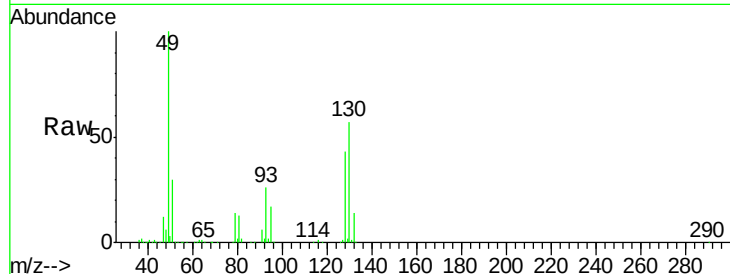
Tgt Ion: 49 Resp: 789407

Ion Ratio Lower Upper

49 100

128 47.2 24.5 73.5

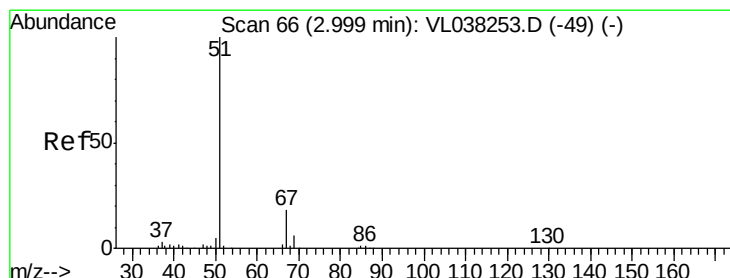
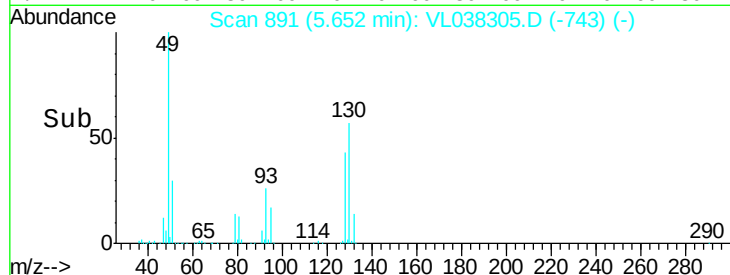
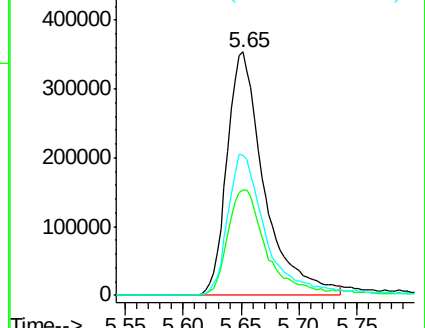
130 60.5 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.080 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.04 min

Lab File: VL038305.D

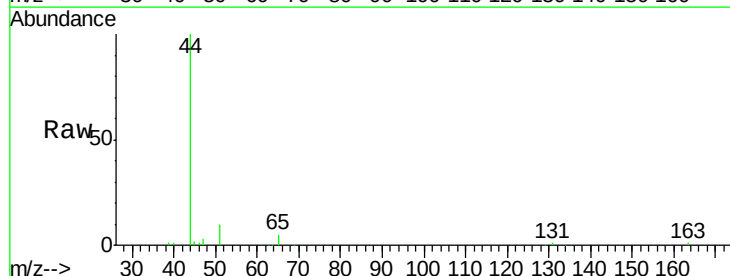
Acq: 27 Jan 2022 20:38

Tgt Ion: 51 Resp: 12618

Ion Ratio Lower Upper

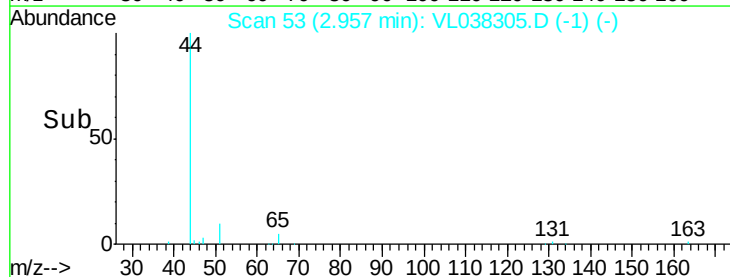
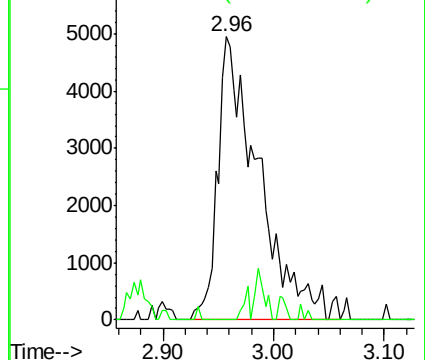
51 100

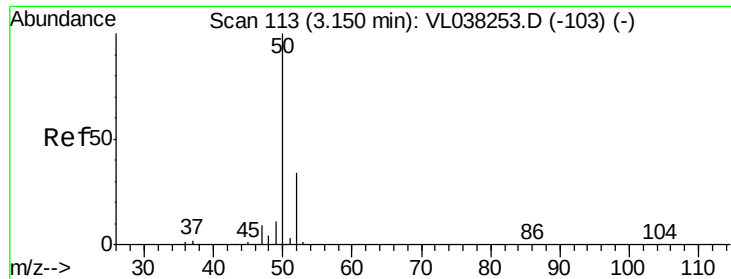
67 5.5 14.4 21.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.034 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

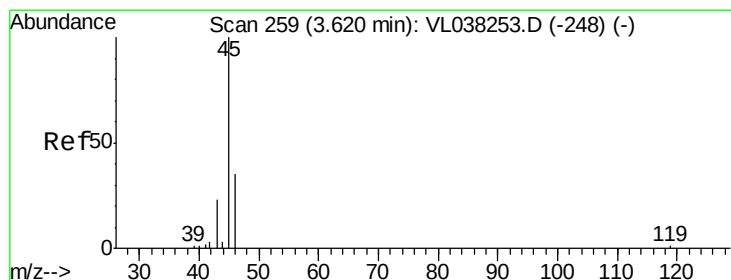
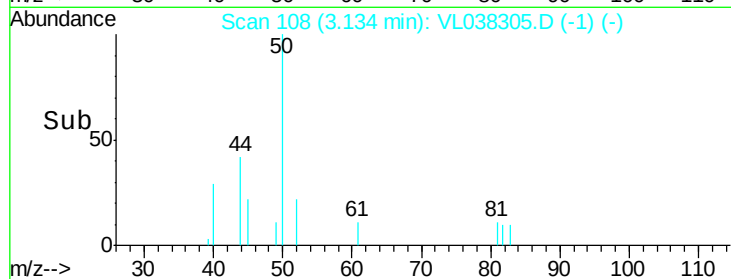
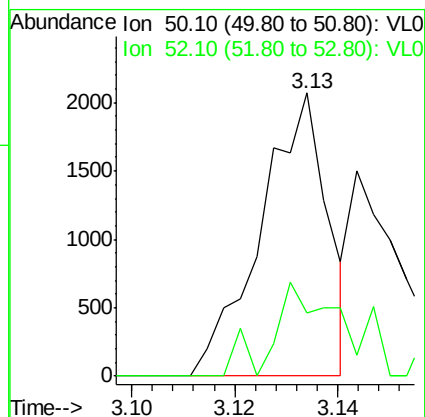
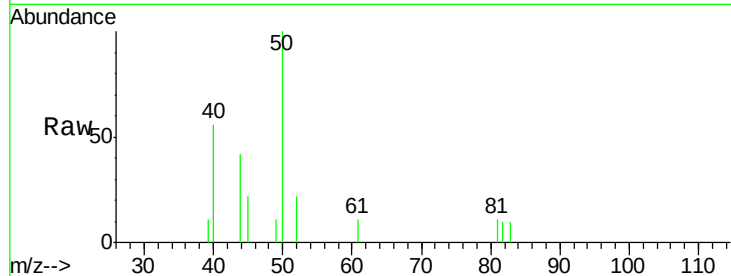
Acq: 27 Jan 2022 20:38

Tgt Ion: 50 Resp: 1858

Ion Ratio Lower Upper

50 100

52 22.1 27.1 40.7#



#13

Ethanol

Concen: 53.871 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.03 min

Lab File: VL038305.D

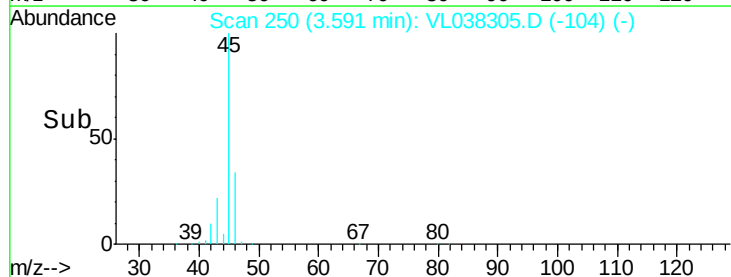
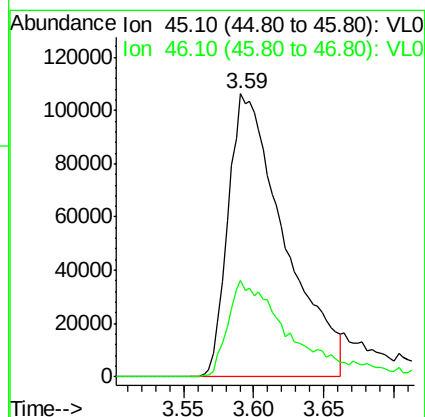
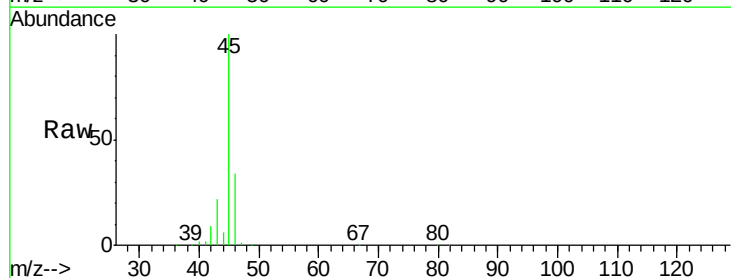
Acq: 27 Jan 2022 20:38

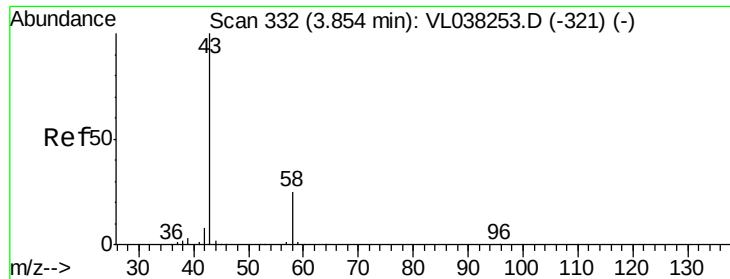
Tgt Ion: 45 Resp: 295854

Ion Ratio Lower Upper

45 100

46 38.0 15.4 61.6





#15

Acetone

Concen: 1.355 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

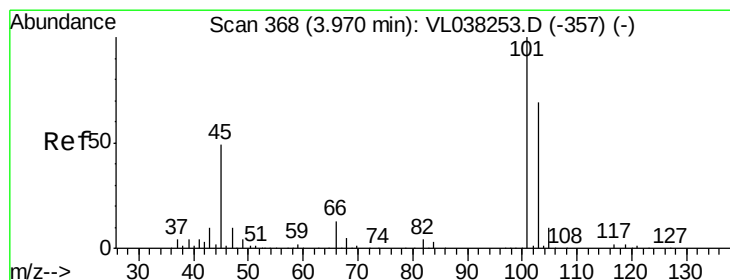
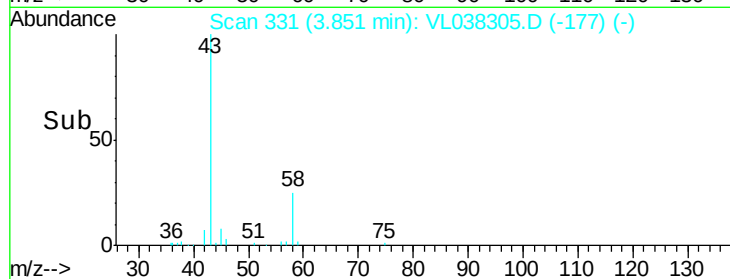
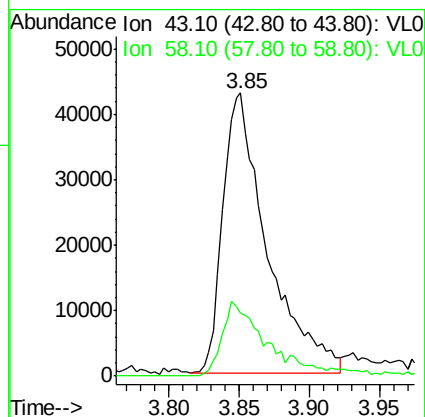
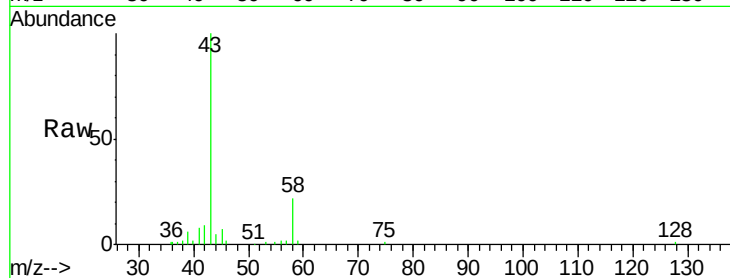
Acq: 27 Jan 2022 20:38

Tgt Ion: 43 Resp: 94312

Ion Ratio Lower Upper

43 100

58 28.9 21.5 32.3



#19

Isopropyl Alcohol

Concen: 0.075 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL038305.D

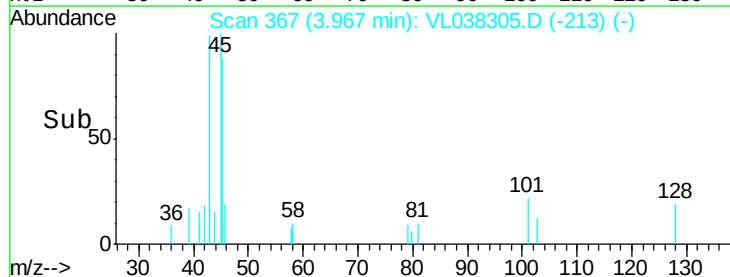
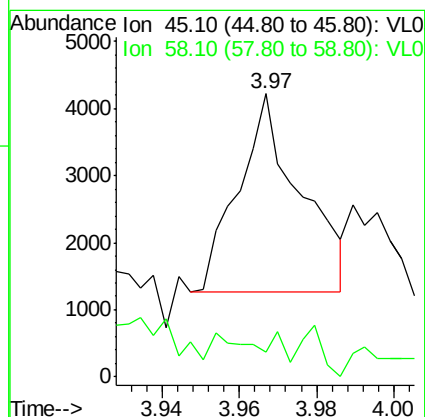
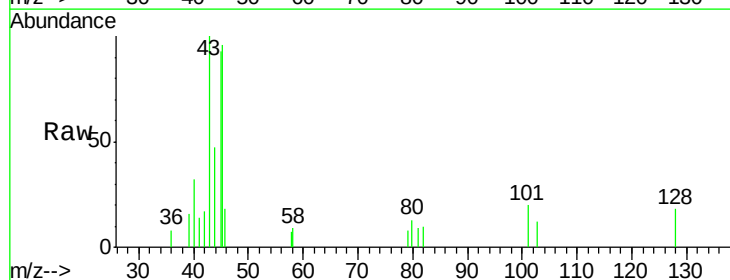
Acq: 27 Jan 2022 20:38

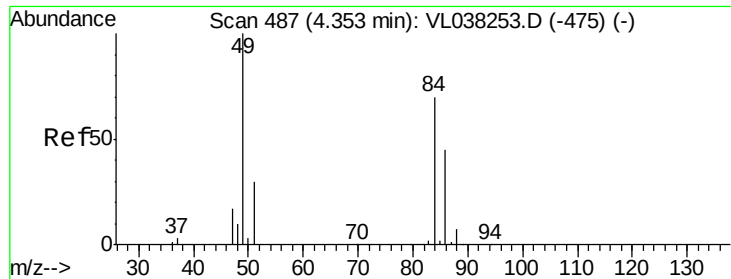
Tgt Ion: 45 Resp: 3276

Ion Ratio Lower Upper

45 100

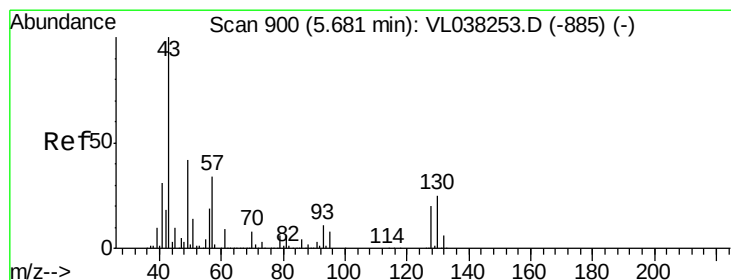
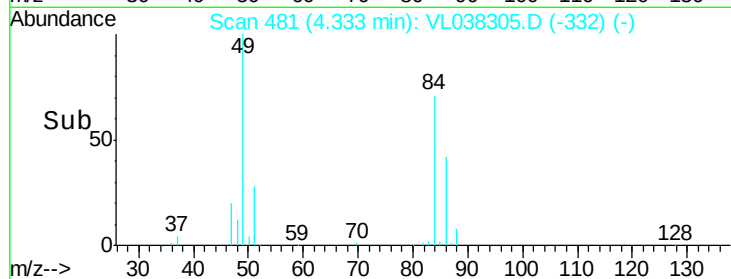
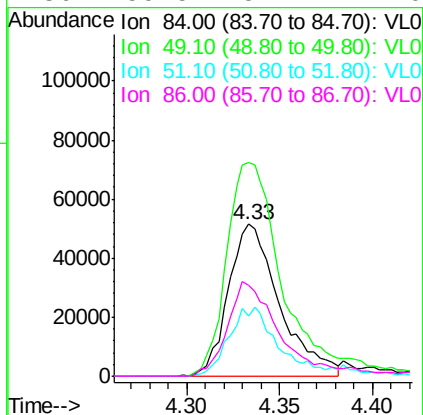
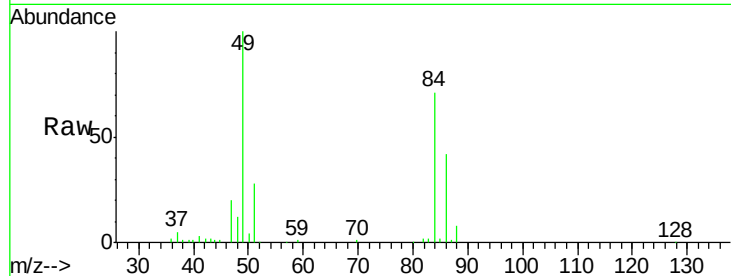
58 831.6 2.3 3.5#





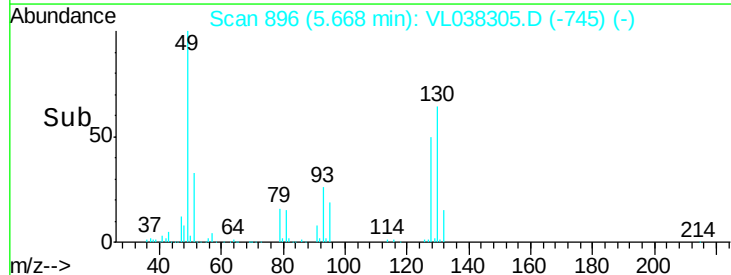
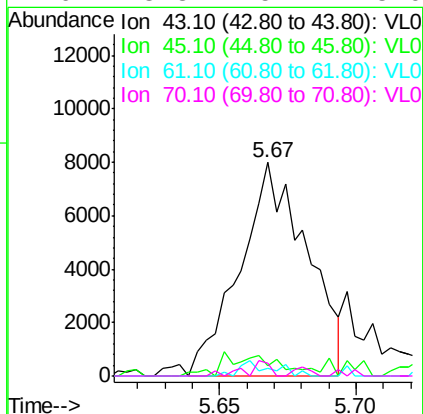
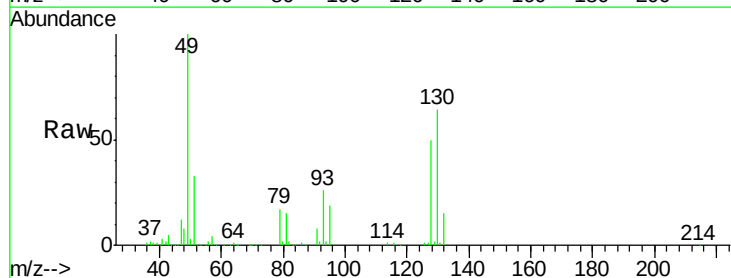
#20
Methylene Chloride
Concen: 2.438 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:38

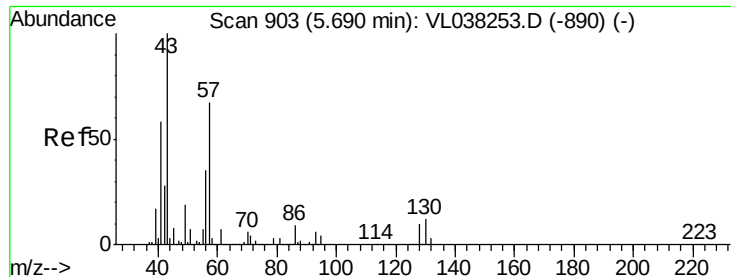
Tgt Ion:	84	Resp:	98661
Ion	Ratio	Lower	Upper
84	100		
49	140.5	115.0	172.6
51	39.4	35.0	52.6
86	59.5	51.4	77.0



#25
Ethyl Acetate
Concen: 0.070 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL038305.D
Acq: 27 Jan 2022 20:38

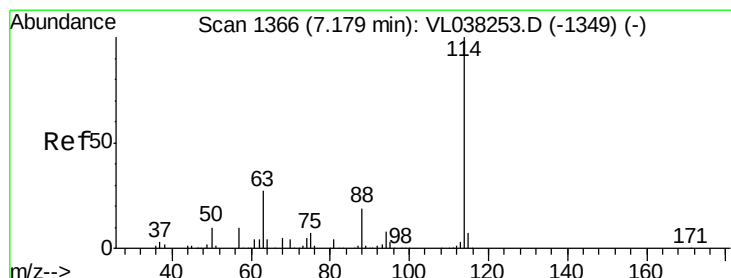
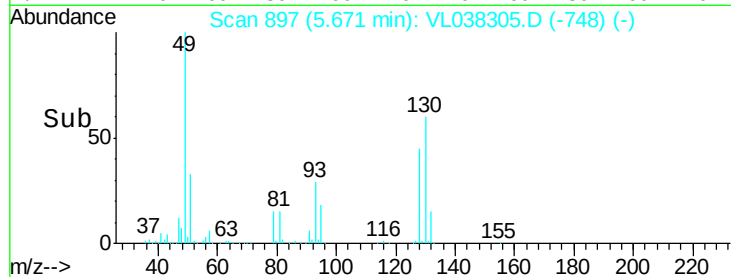
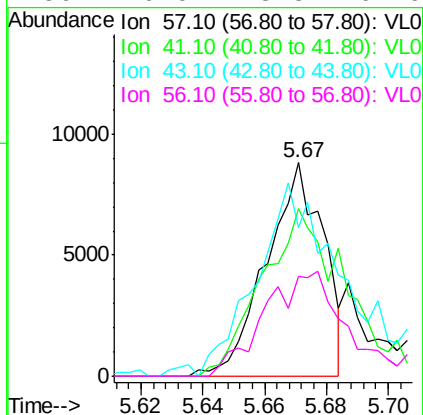
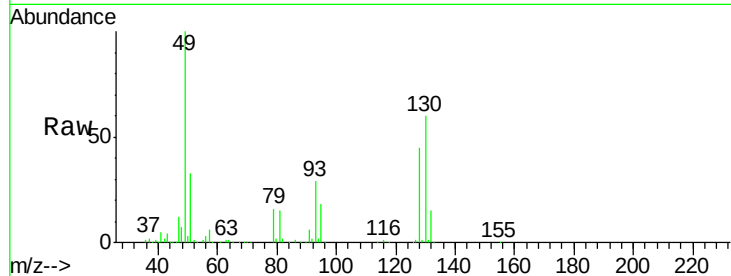
Tgt Ion:	43	Resp:	13654
Ion	Ratio	Lower	Upper
43	100		
45	11.5	7.9	11.9
61	4.0	7.8	11.8#
70	3.3	5.4	8.0#





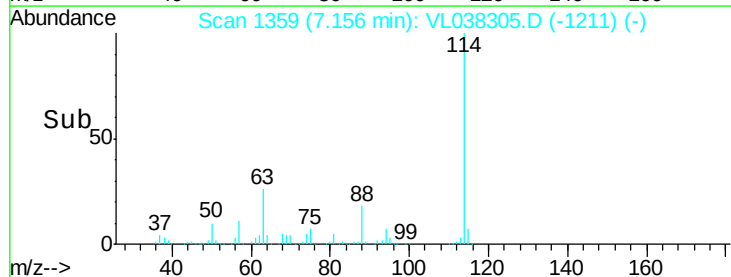
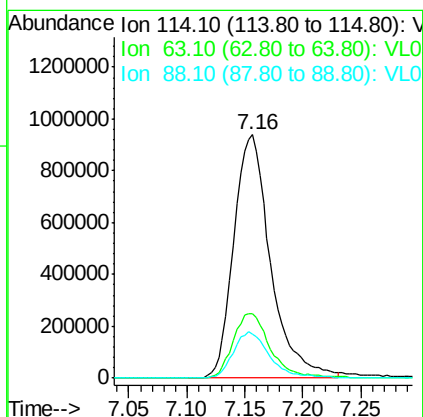
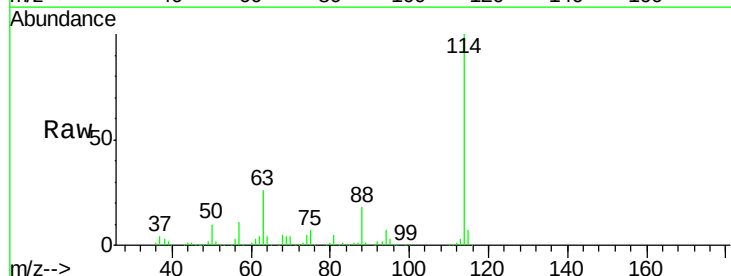
#26
Hexane
Concen: 0.125 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:38

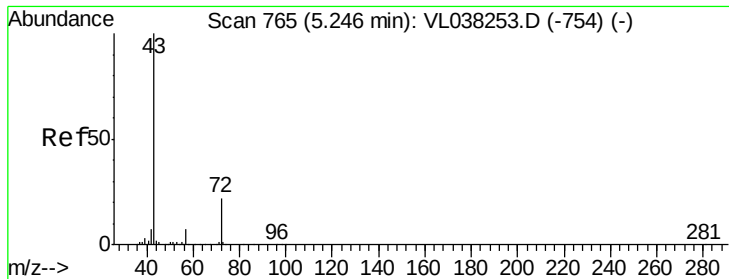
Tgt Ion:	57	Resp:	11296
Ion	Ratio	Lower	Upper
57	100		
41	127.2	72.8	109.2#
43	150.4	177.0	265.6#
56	0.0	43.3	64.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL038305.D
Acq: 27 Jan 2022 20:38

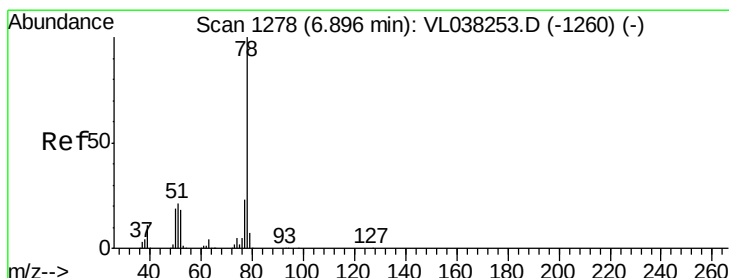
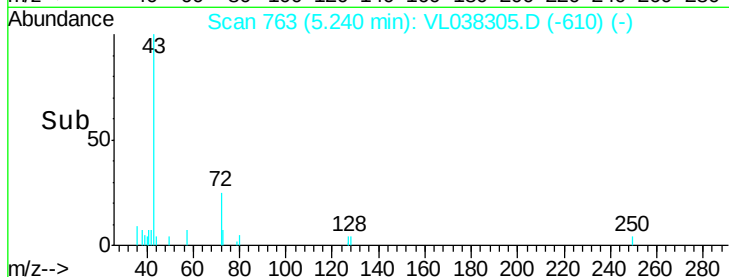
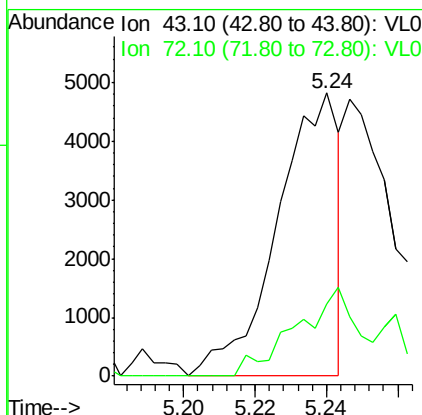
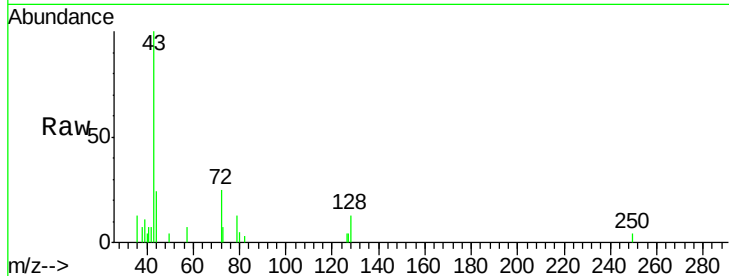
Tgt Ion:	114	Resp:	2067834
Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.0	33.0
88	18.9	15.0	22.6





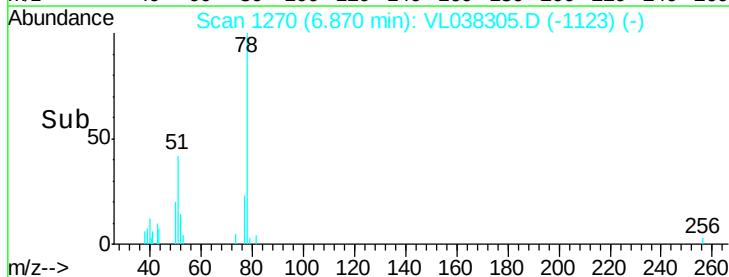
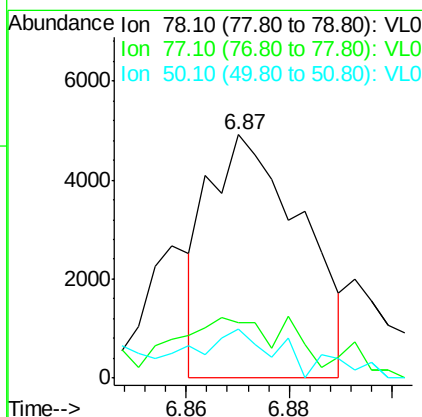
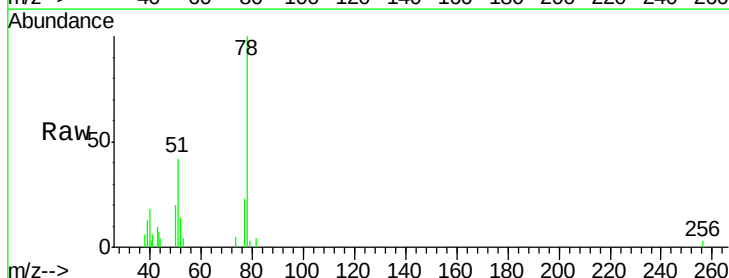
#34
 2-Butanone
 Concen: 0.085 ppbv
 RT: 5.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 20:38

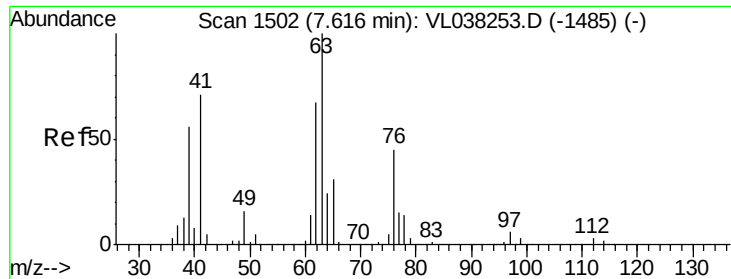
Tgt Ion: 43 Resp: 5754
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.1 27.1#



#36
 Benzene
 Concen: 0.034 ppbv
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.03 min
 Lab File: VL038305.D
 Acq: 27 Jan 2022 20:38

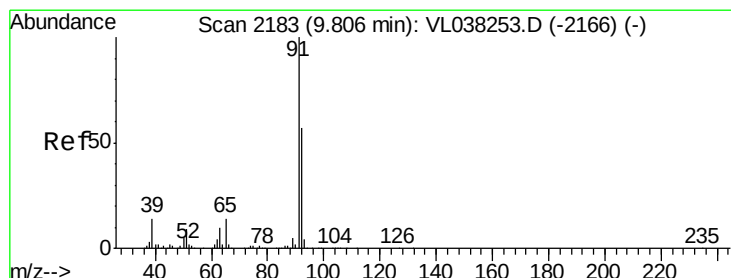
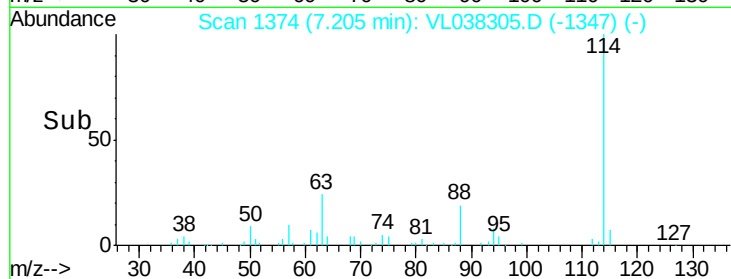
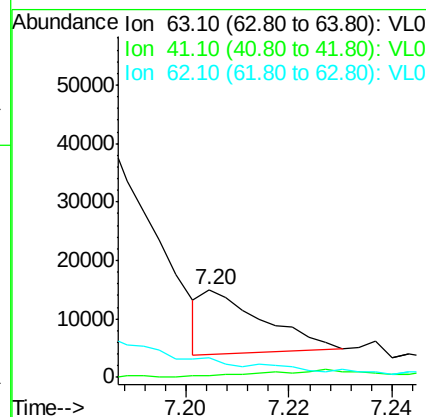
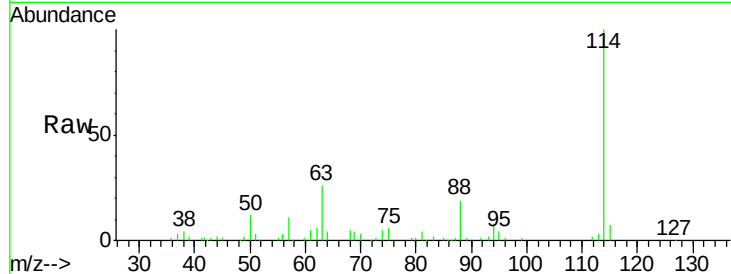
Tgt Ion: 78 Resp: 6183
 Ion Ratio Lower Upper
 78 100
 77 21.6 18.2 27.2
 50 18.0 15.1 22.7





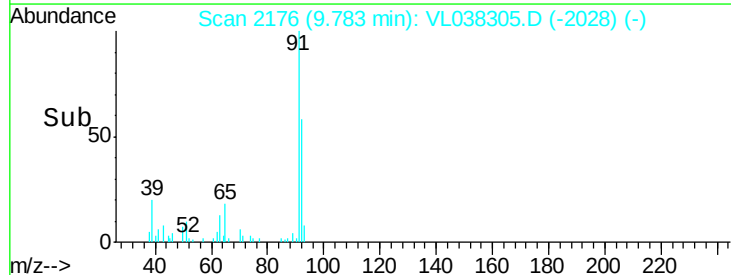
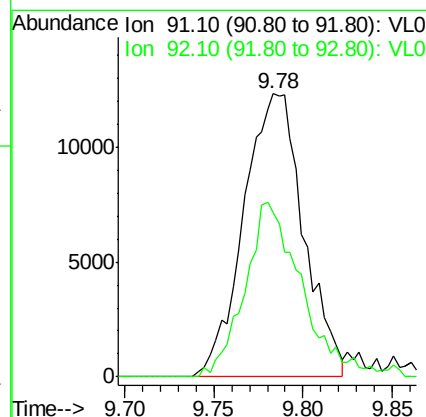
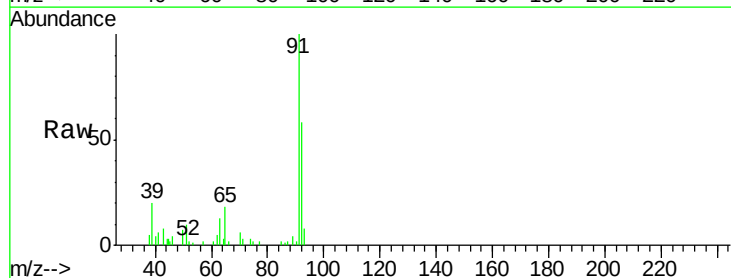
#39
 1,2-Dichloropropane
 Concen: 0.120 ppbv
 RT: 7.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 20:38

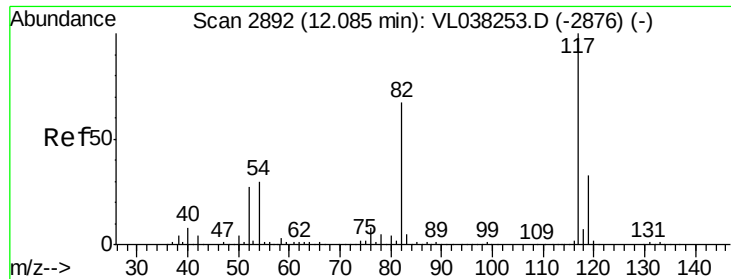
Tgt Ion	Ratio	Lower	Upper
63	100		
41	5.1	56.6	85.0#
62	23.1	53.9	80.9#



#53
 Toluene
 Concen: 0.143 ppbv
 RT: 9.78 min Scan# 2176
 Delta R.T. -0.02 min
 Lab File: VL038305.D
 Acq: 27 Jan 2022 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0

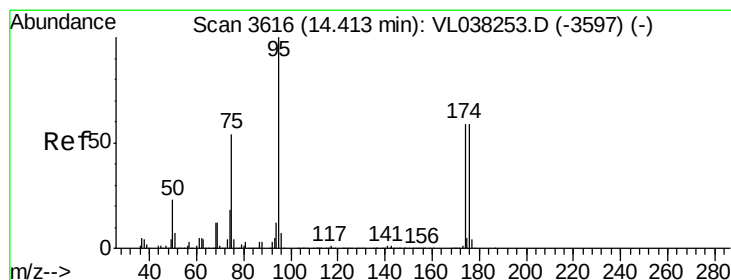
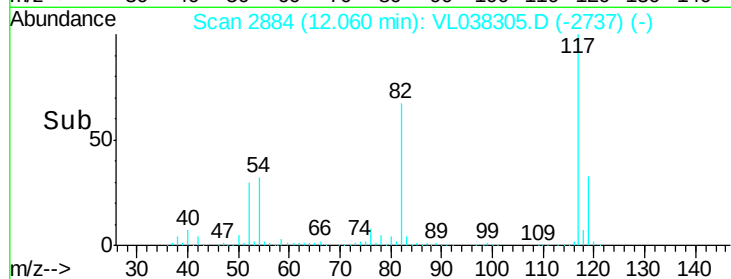
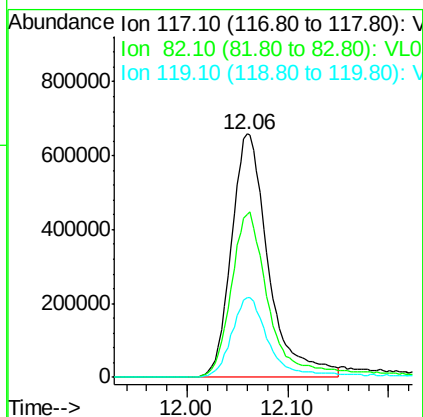
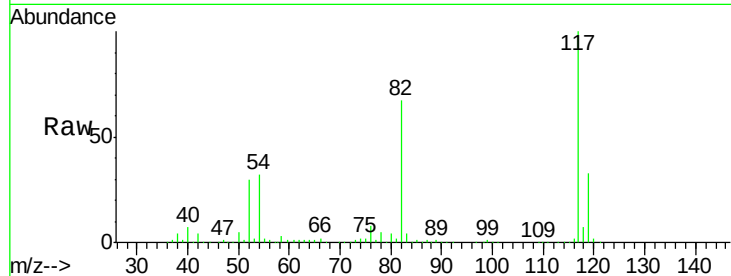




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 20:38

Tgt Ion: 117 Resp: 1682665

Ion	Ratio	Lower	Upper
117	100		
82	72.6	54.4	81.6
119	35.3	45.9	68.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.228 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.02 min
 Lab File: VL038305.D
 Acq: 27 Jan 2022 20:38

Tgt Ion: 95 Resp: 1178557

Ion	Ratio	Lower	Upper
95	100		
174	65.8	48.3	72.5
175	4.7	3.5	5.3

