

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037983.D
 Acq On : 9 Nov 2021 17:28
 Operator : SY/AP
 Sample : M4555-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:48:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1468623	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4233433	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3555030	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2378543	9.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.00%

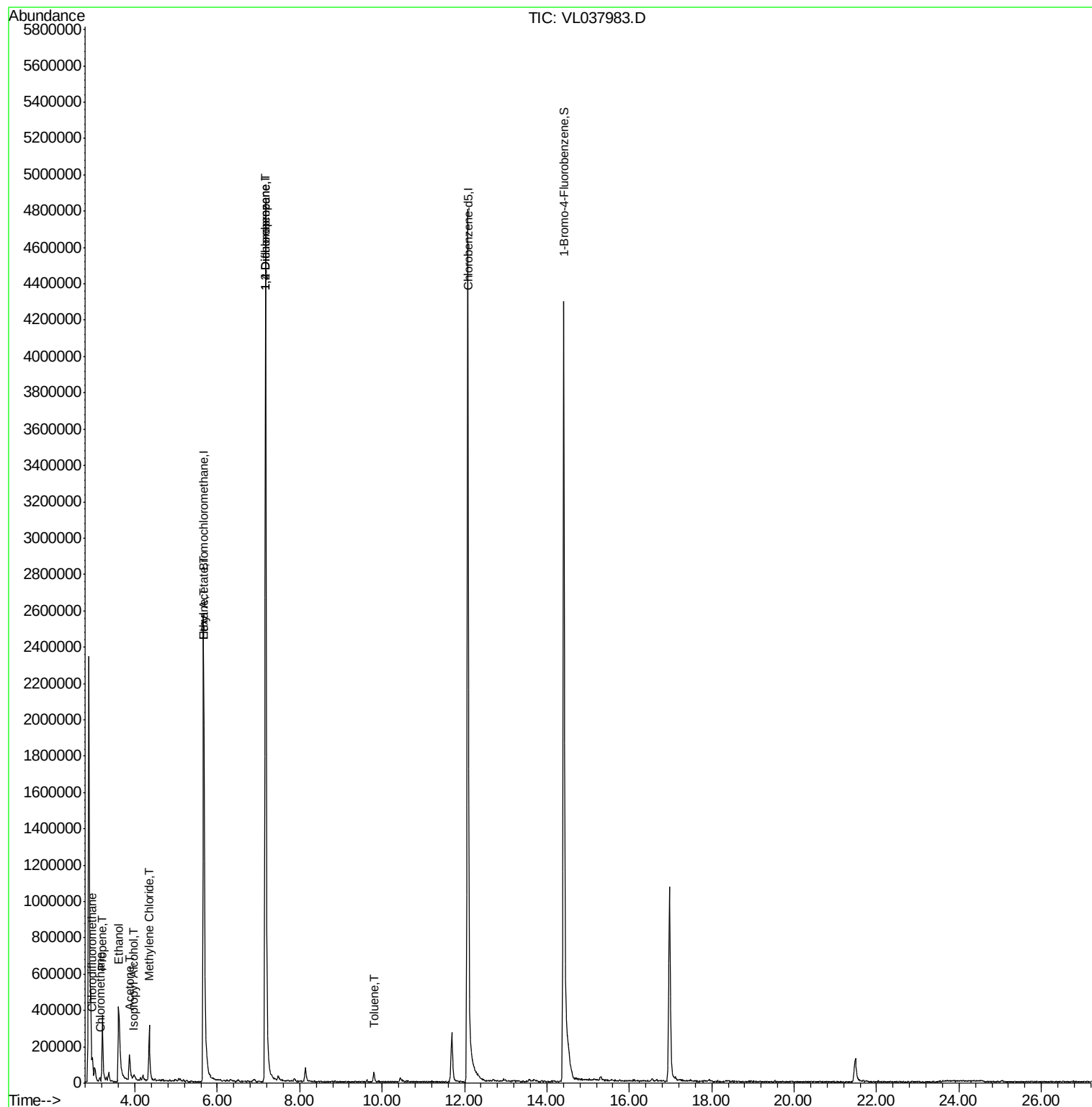
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	85962	0.314	ppbv #	65
4) Chloromethane	3.15	50	17648	0.170	ppbv	90
9) Propene	3.21	41	128864	1.315	ppbv	99
13) Ethanol	3.62	45	336221	34.000	ppbv #	32
15) Acetone	3.86	43	102749	0.847	ppbv #	63
19) Isopropyl Alcohol	3.98	45	19080	0.246	ppbv #	31
20) Methylene Chloride	4.35	84	118149	1.773	ppbv #	88
25) Ethyl Acetate	5.68	43	80040	0.222	ppbv #	81
26) Hexane	5.68	57	50406	0.295	ppbv #	50
39) 1,2-Dichloropropane	7.17	63	987716	7.614	ppbv #	28
53) Toluene	9.80	91	28111	0.076	ppbv #	79

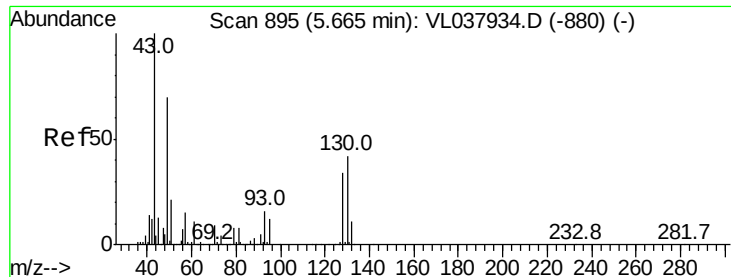
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Nov 2021 17:28

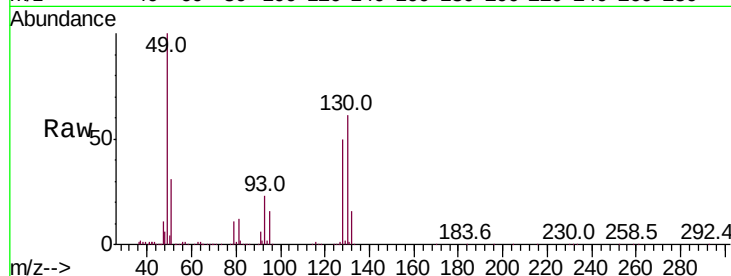
Tot Ion: 49 Resp: 1468623

Ion Ratio Lower Upper

49 100

128 53.1 27.0 81.0

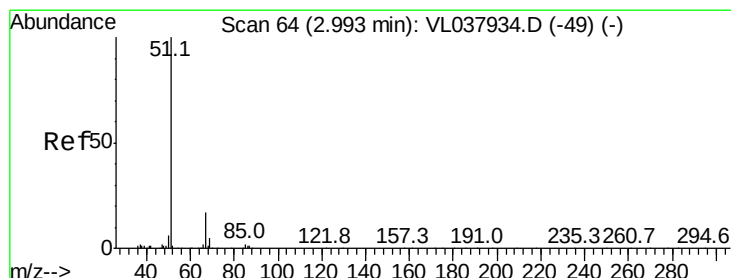
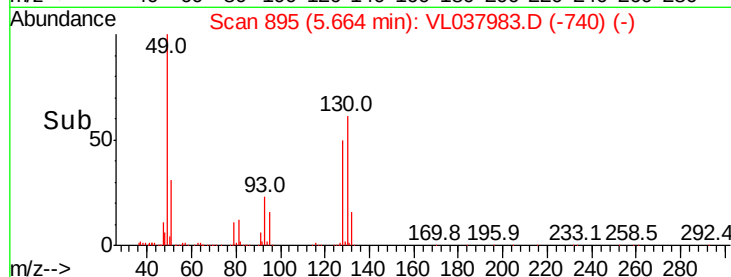
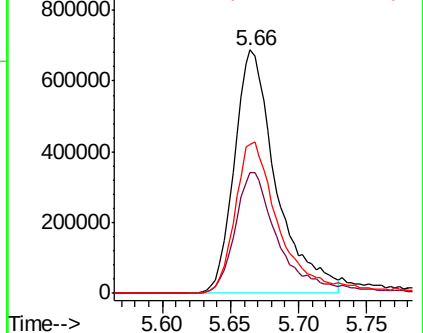
130 68.7 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.314 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL037983.D

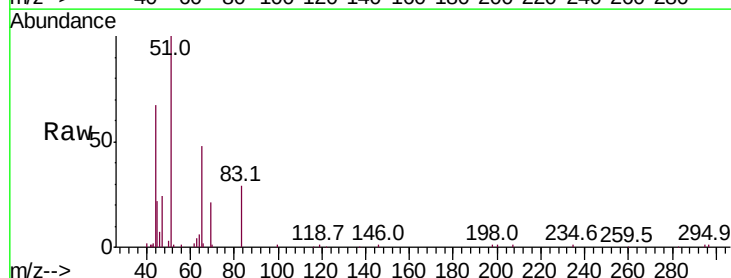
Acq: 9 Nov 2021 17:28

Tgt Ion: 51 Resp: 85962

Ion Ratio Lower Upper

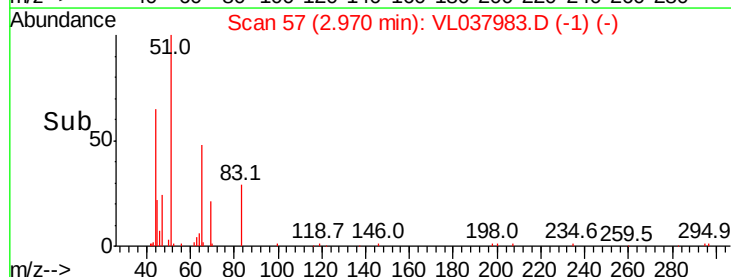
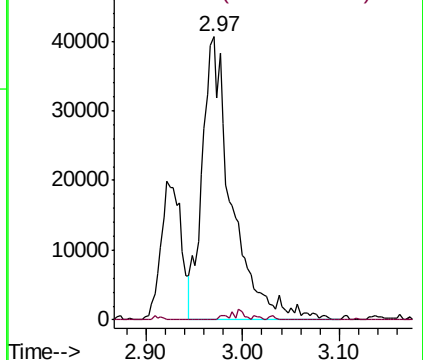
51 100

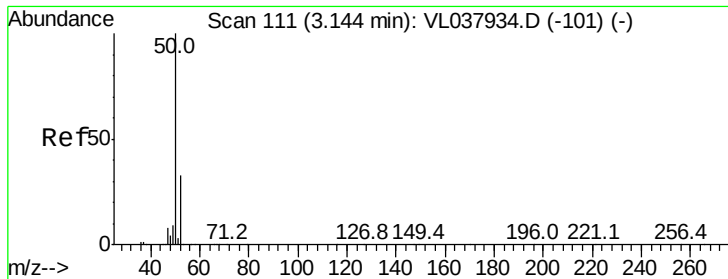
67 1.5 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.170 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

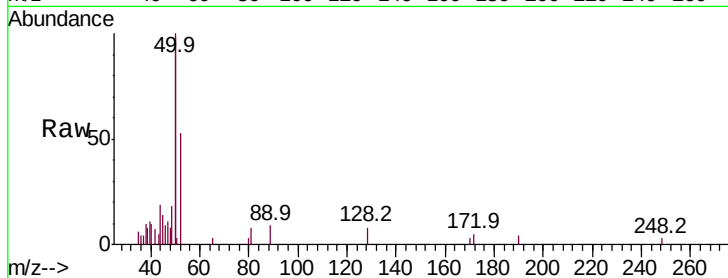
Acq: 9 Nov 2021 17:28

Tot Ion: 50 Resp: 17648

Ion Ratio Lower Upper

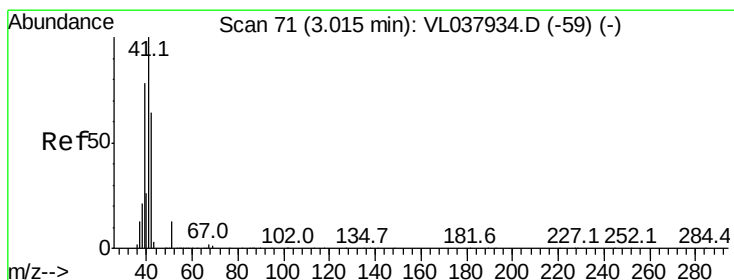
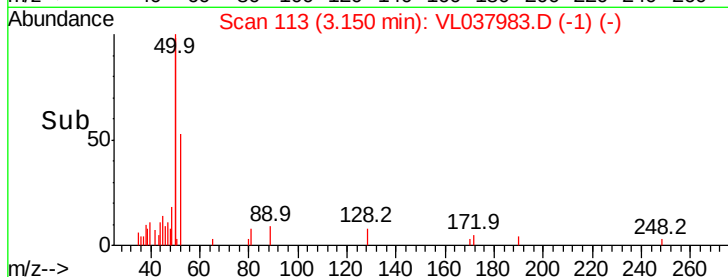
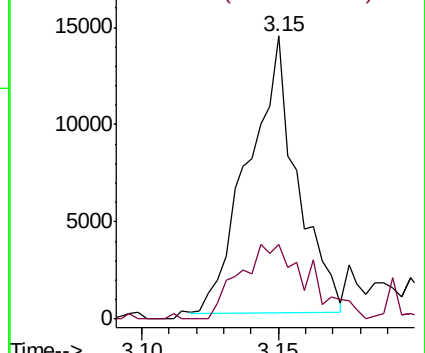
50 100

52 27.2 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 1.315 ppbv

RT: 3.21 min Scan# 131

Delta R.T. 0.19 min

Lab File: VL037983.D

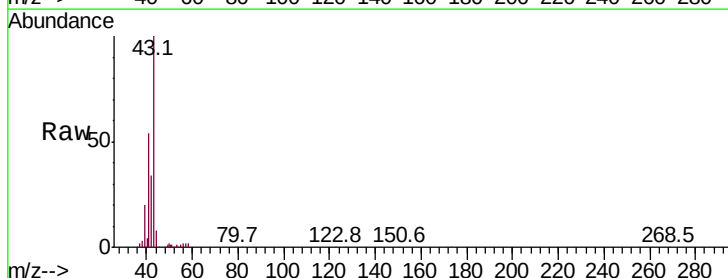
Acq: 9 Nov 2021 17:28

Tgt Ion: 41 Resp: 128864

Ion Ratio Lower Upper

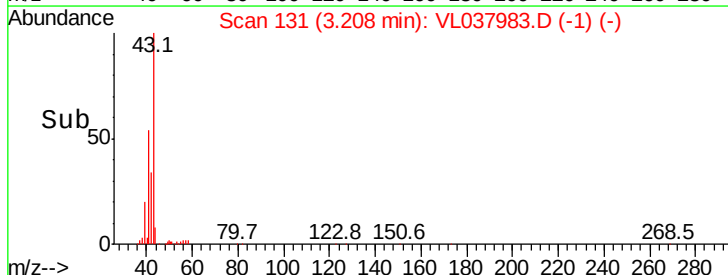
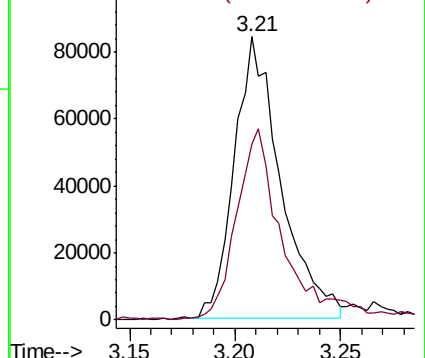
41 100

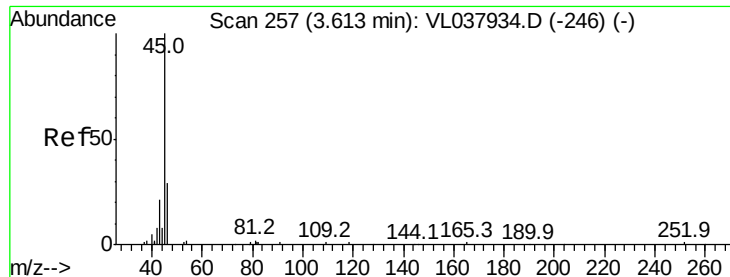
42 71.4 57.6 86.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

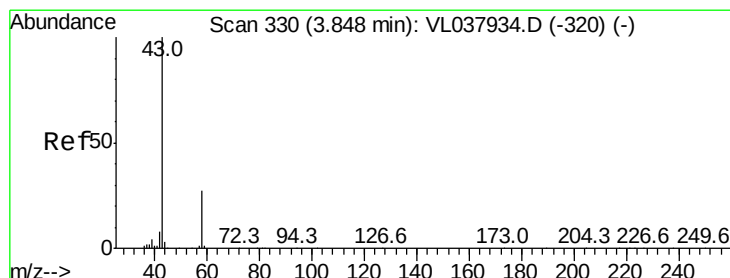
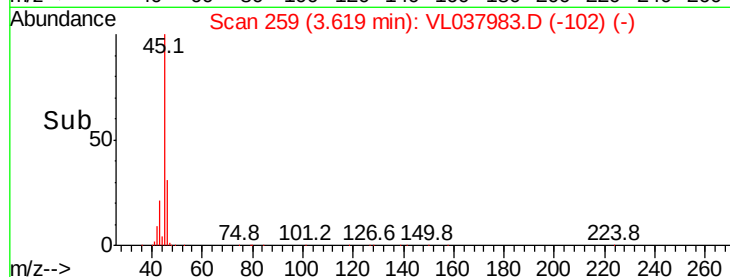
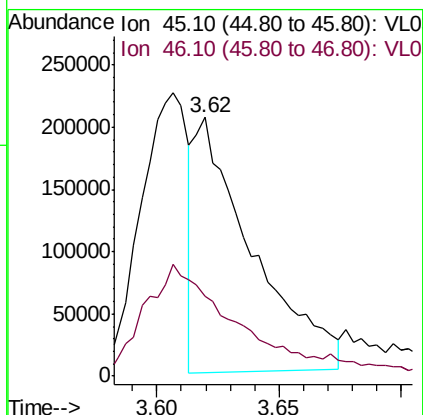
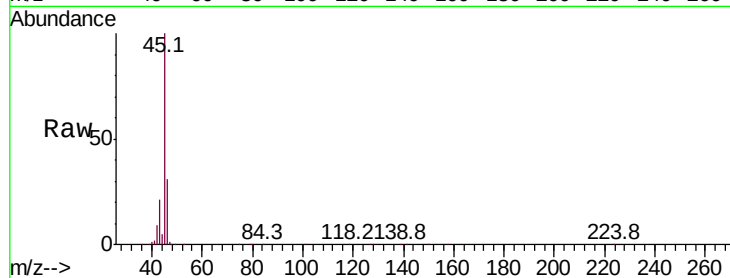
Ion 42.10 (41.80 to 42.80): VL0





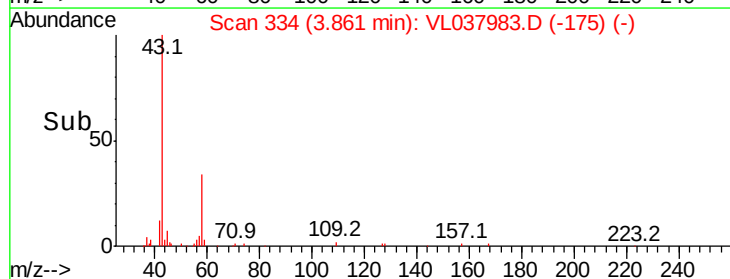
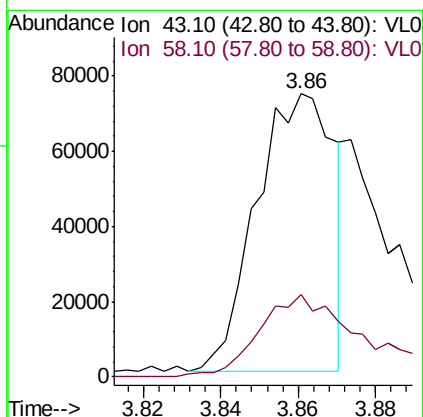
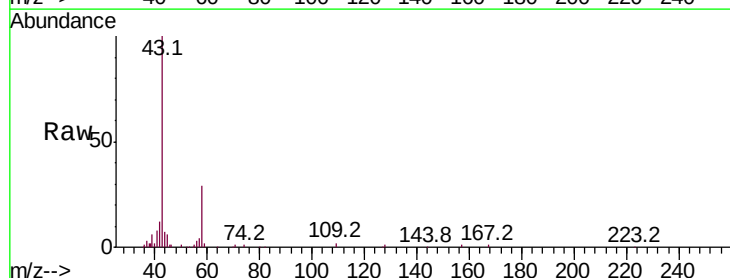
#13
Ethanol
Concen: 34.000 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Nov 2021 17:28

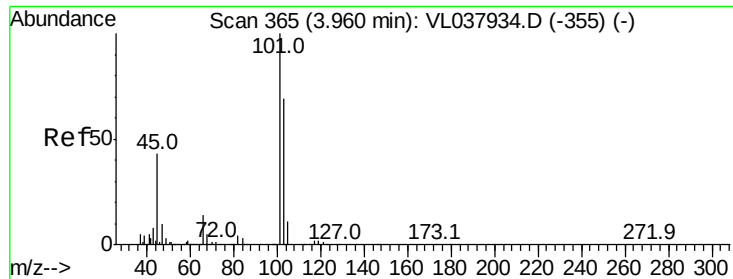
Tot Ion: 45 Resp: 336221
Ion Ratio Lower Upper
45 100
46 0.0 17.4 69.8#



#15
Acetone
Concen: 0.847 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL037983.D
Acq: 9 Nov 2021 17:28

Tgt Ion: 43 Resp: 102749
Ion Ratio Lower Upper
43 100
58 48.9 23.3 34.9#





#19

Isopropyl Alcohol

Concen: 0.246 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

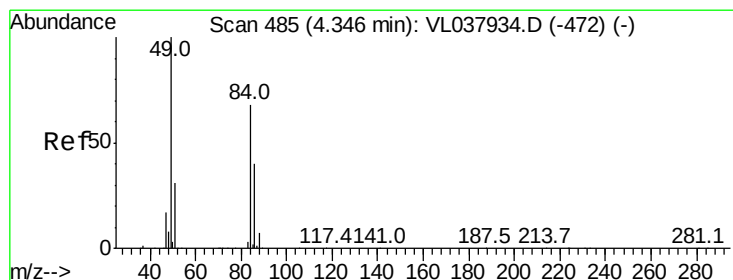
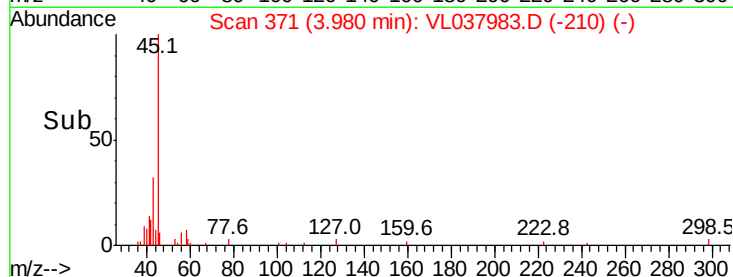
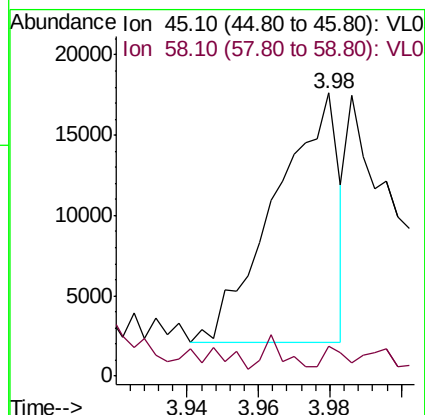
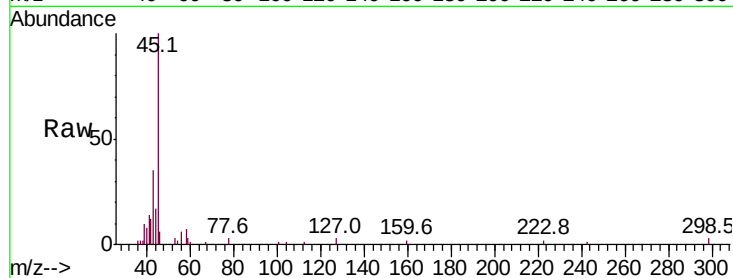
Acq: 9 Nov 2021 17:28

Tot Ion: 45 Resp: 19080

Ion Ratio Lower Upper

45 100

58 27.9 4.0 6.0#



#20

Methylene Chloride

Concen: 1.773 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037983.D

Acq: 9 Nov 2021 17:28

Tgt Ion: 84 Resp: 118149

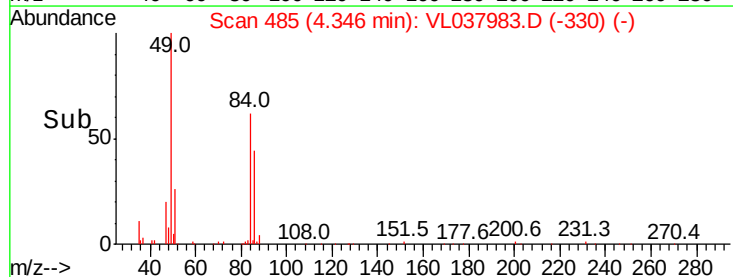
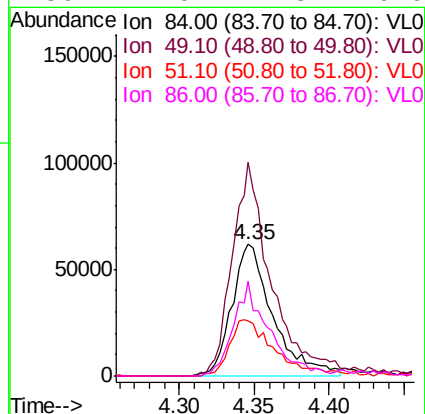
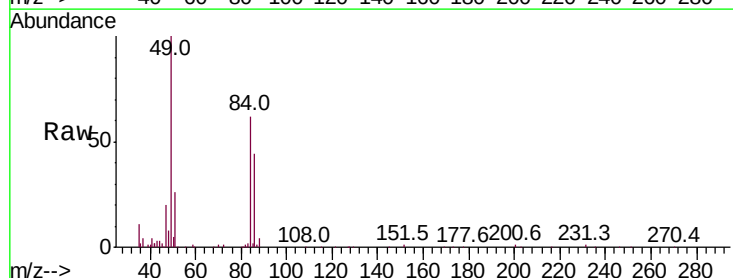
Ion Ratio Lower Upper

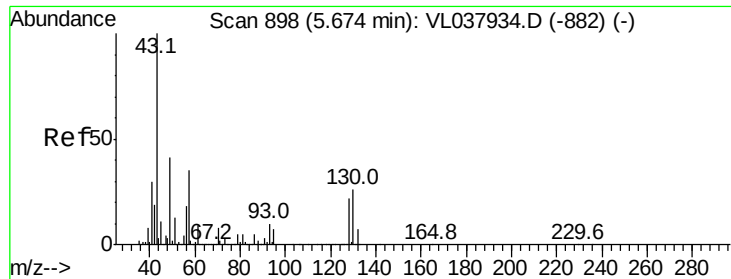
84 100

49 162.2 117.5 176.3

51 42.1 35.9 53.9

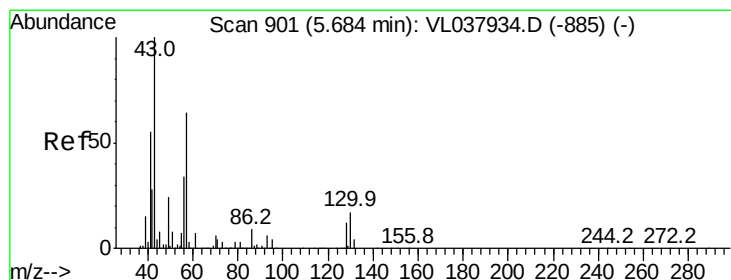
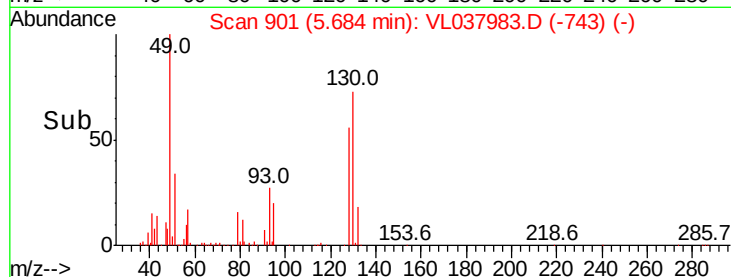
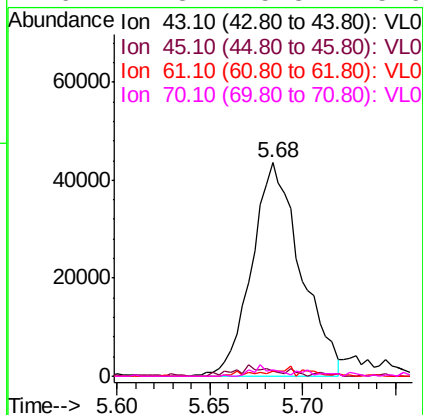
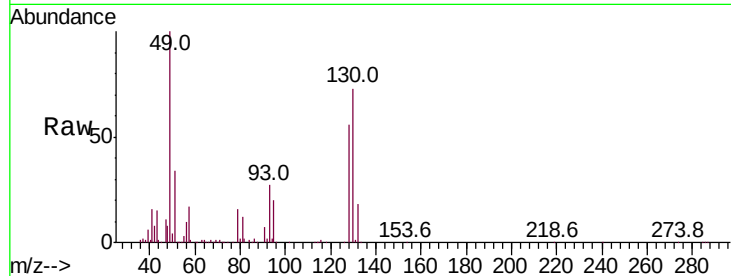
86 72.0 47.3 70.9#





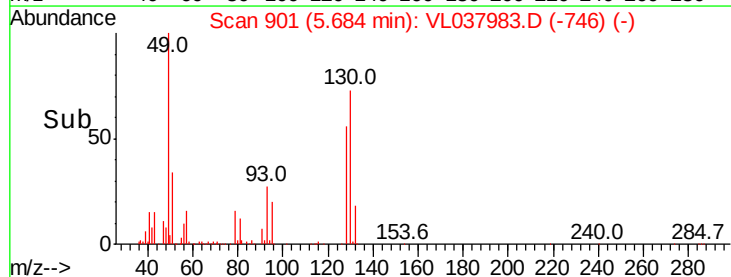
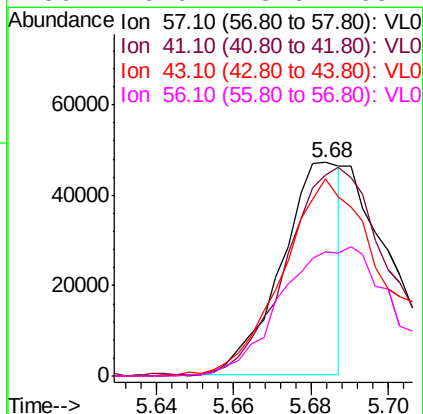
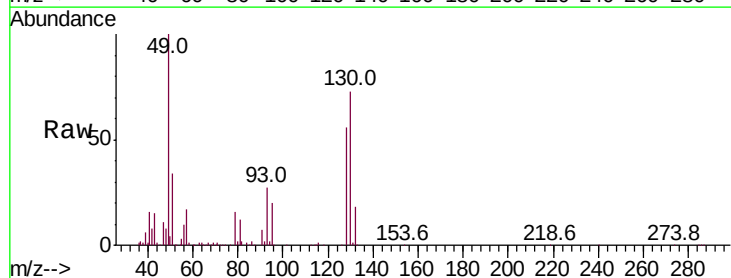
#25
Ethyl Acetate
Concen: 0.222 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Nov 2021 17:28

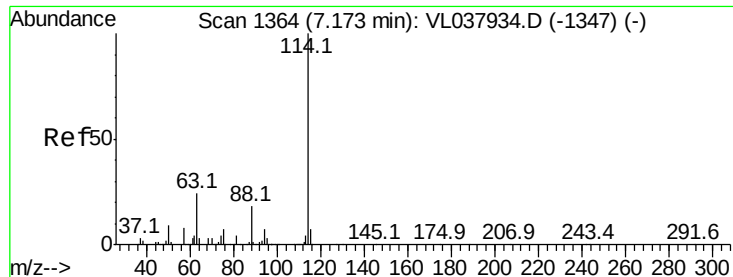
Tot Ion:	43	Resp:	80040
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.1	12.1#
61	0.0	8.1	12.1#
70	2.3	5.8	8.6#



#26
Hexane
Concen: 0.295 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL037983.D
Acq: 9 Nov 2021 17:28

Tgt Ion:	57	Resp:	50406
Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.0	106.6#
43	175.8	173.0	259.6
56	0.0	43.6	65.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument: MSVOA_1

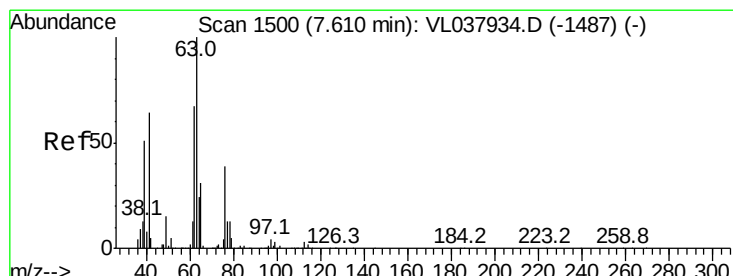
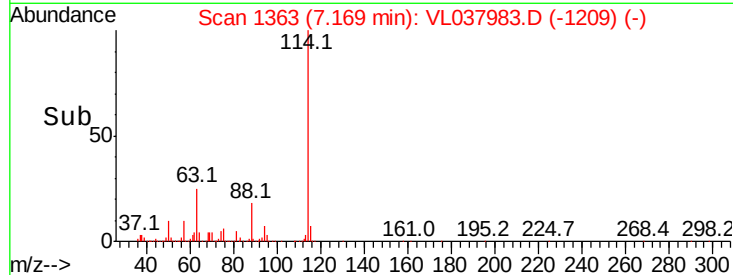
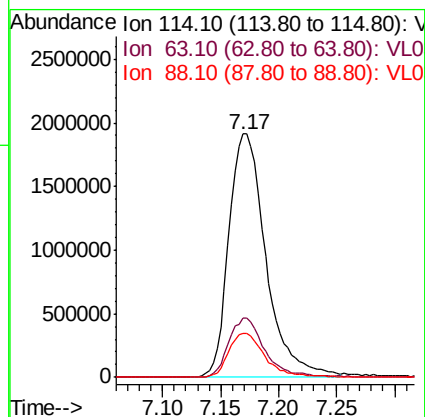
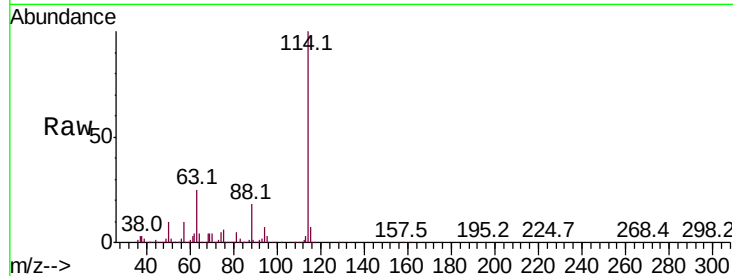
Delta R.T. ClientSampleId:

Lab File:

Acq: 9 Nov 2021 17:28

Tot Ion:114 Resp: 4233433

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.0
88	17.9	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.614 ppbv

RT: 7.17 min Scan# 1363

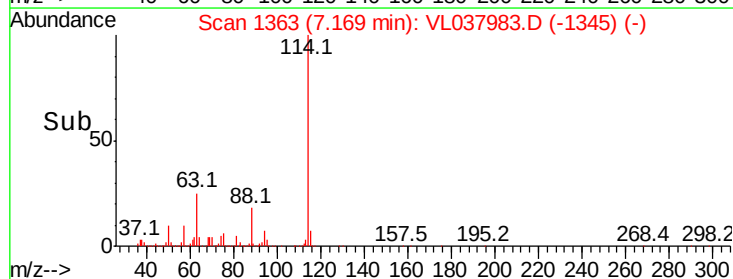
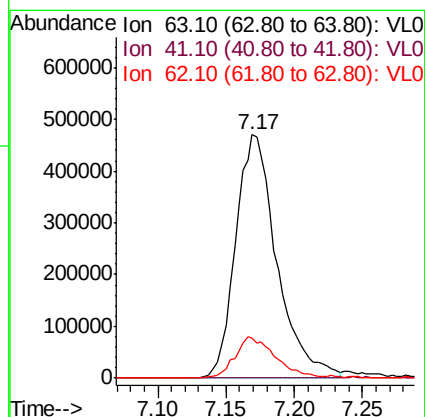
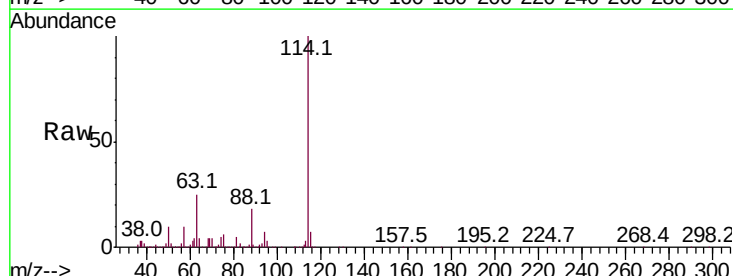
Delta R.T. -0.44 min

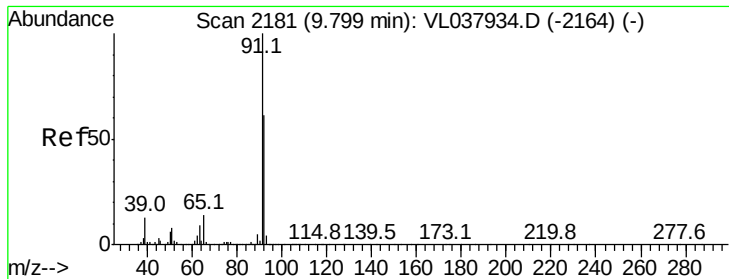
Lab File: VL037983.D

Acq: 9 Nov 2021 17:28

Tgt Ion: 63 Resp: 987716

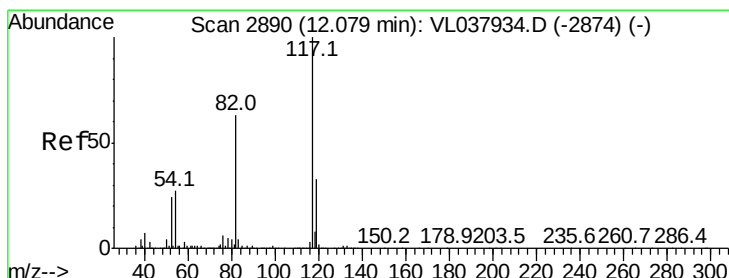
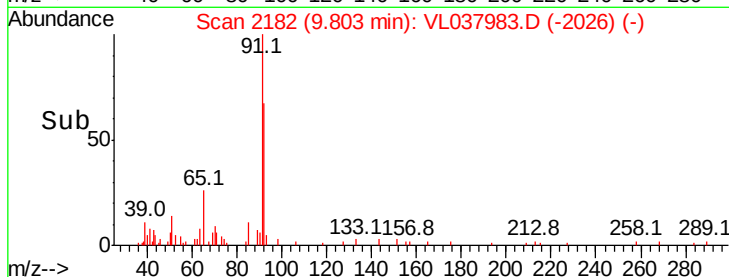
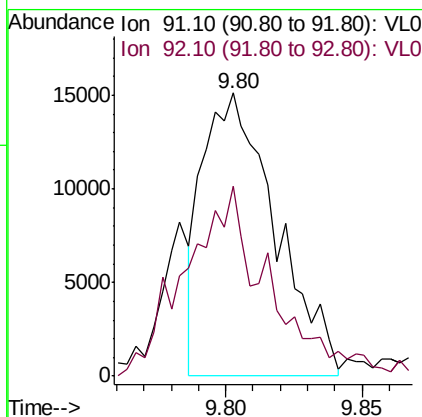
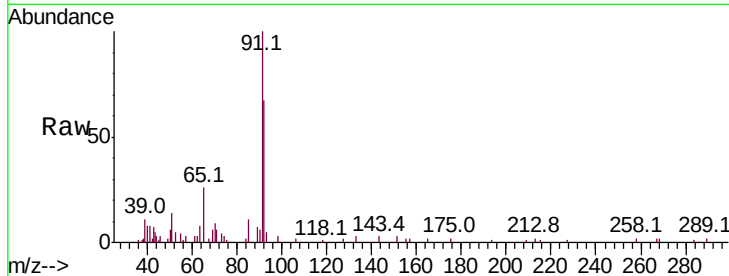
Ion	Ratio	Lower	Upper
63	100		
41	0.1	51.6	77.4#
62	16.5	53.5	80.3#





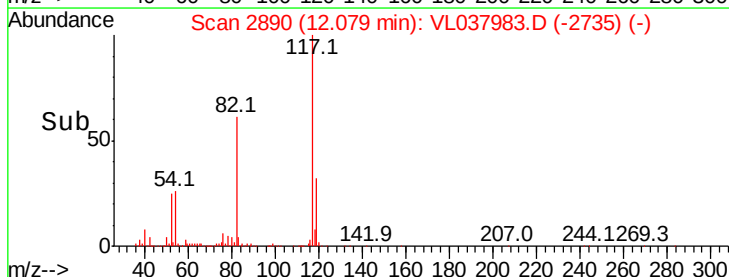
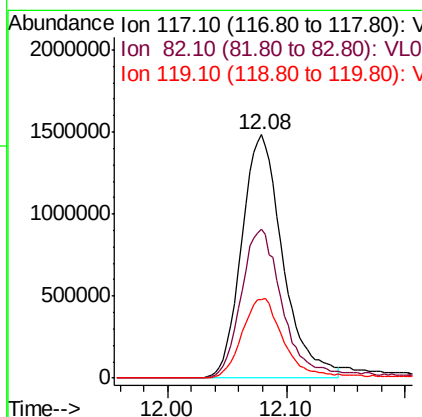
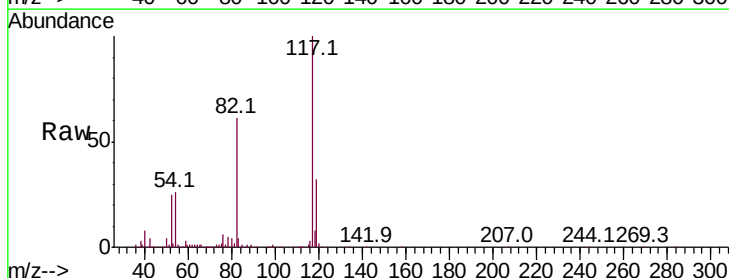
#53
Toluene
Concen: 0.076 ppbv
RT: 9.80 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Nov 2021 17:28

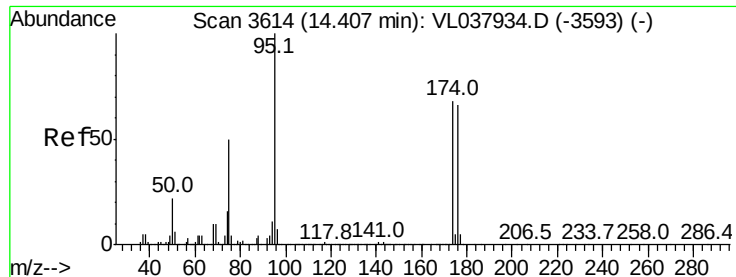
Tot Ion: 91 Resp: 28111
Ion Ratio Lower Upper
91 100
92 76.4 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T.: -0.00 min
Lab File: VL037983.D
Acq: 9 Nov 2021 17:28

Tgt Ion: 117 Resp: 3555030
Ion Ratio Lower Upper
117 100
82 65.3 51.0 76.6
119 35.0 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.204 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Nov 2021 17:28

Tot Ion: 95 Resp: 2378543

Ion Ratio Lower Upper

95 100

174 77.4 58.3 87.5

175 6.0 4.6 6.8

