

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\
 Data File : VL037995.D
 Acq On : 10 Nov 2021 1:23
 Operator : SY/AP
 Sample : M4555-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 10 04:50:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue 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	5.67	49	1384734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4047433	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3371195	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2344008	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

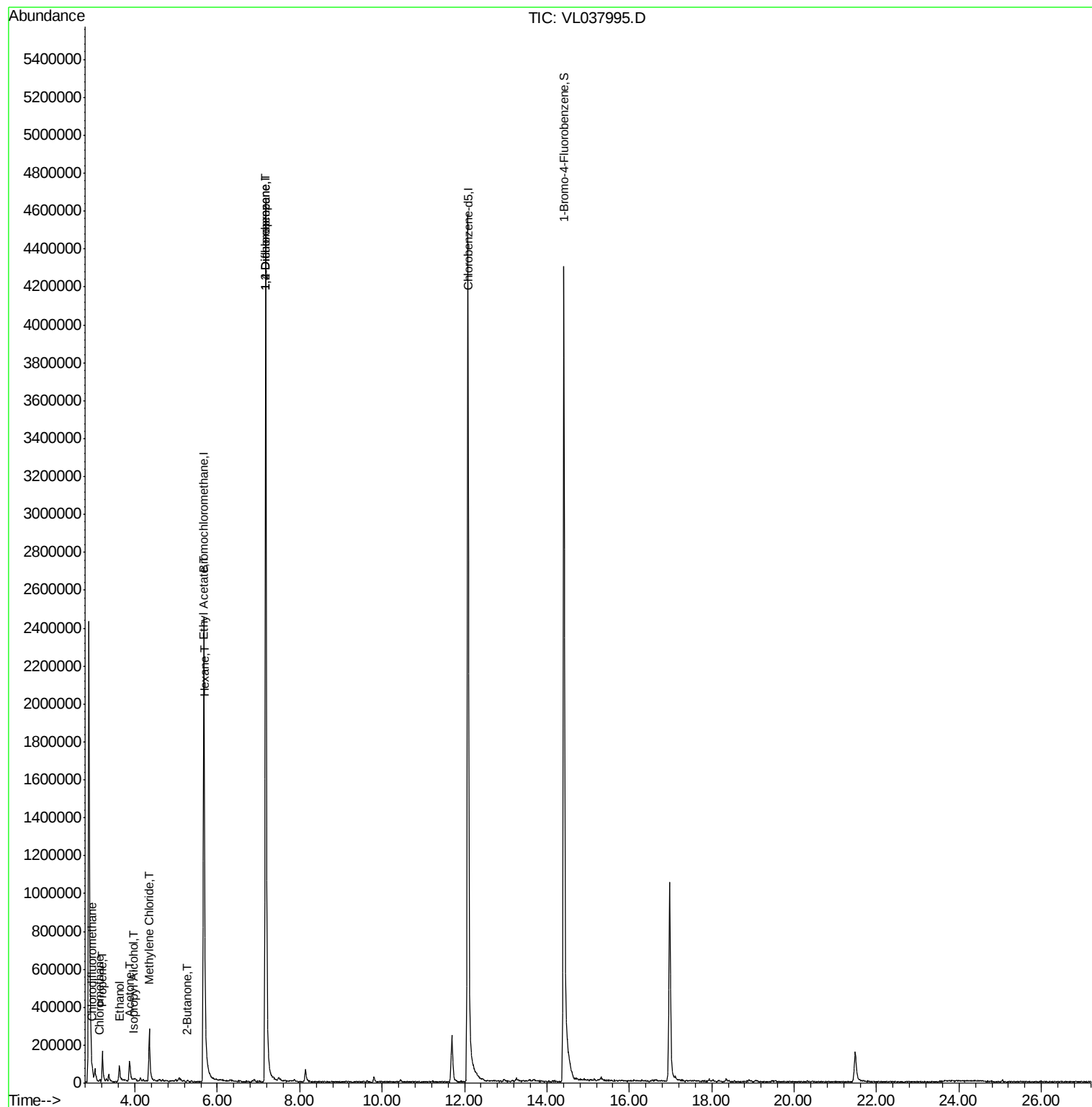
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	39835	0.155	ppbv #	70
4) Chloromethane	3.15	50	3818	0.039	ppbv #	70
9) Propene	3.21	41	46082	0.499	ppbv	85
13) Ethanol	3.62	45	44219	4.742	ppbv #	32
15) Acetone	3.86	43	56189	0.491	ppbv #	19
19) Isopropyl Alcohol	3.98	45	3781	0.052	ppbv #	1
20) Methylene Chloride	4.35	84	113200	1.802	ppbv	98
25) Ethyl Acetate	5.69	43	54864	0.161	ppbv #	81
26) Hexane	5.69	57	60474	0.376	ppbv #	42
34) 2-Butanone	5.25	43	4589	0.031	ppbv #	53
39) 1,2-Dichloropropane	7.18	63	954192	7.694	ppbv #	27

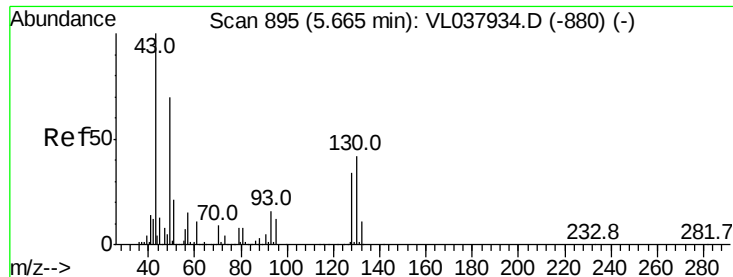
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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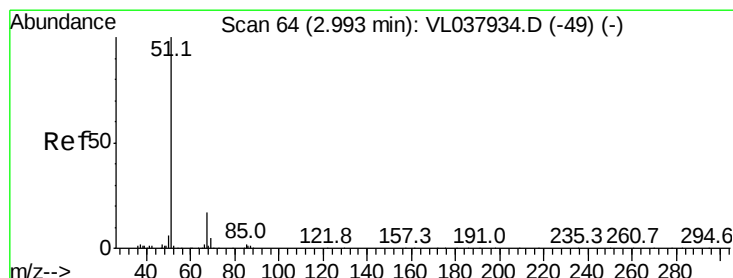
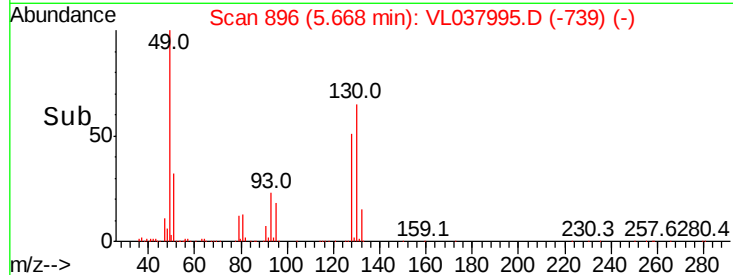
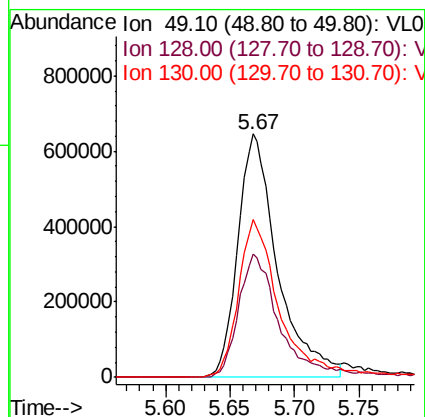
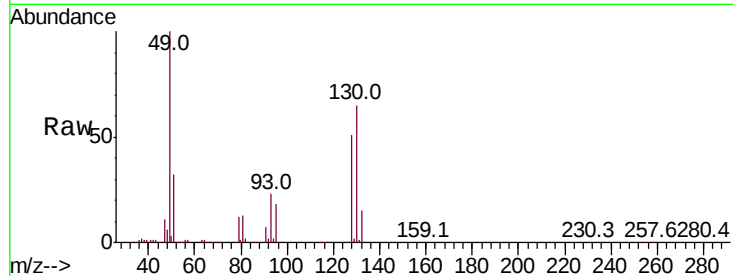
Quant Time: Nov 10 04:50:34 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
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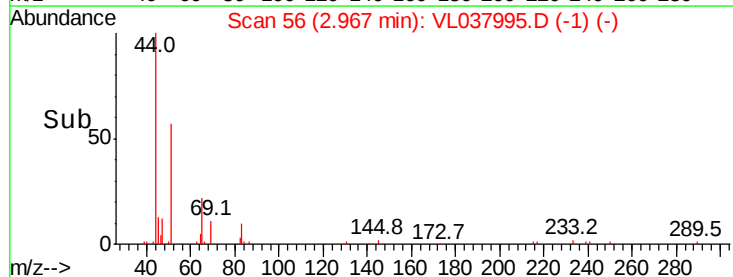
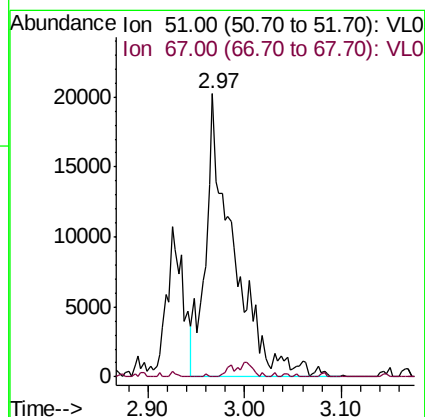
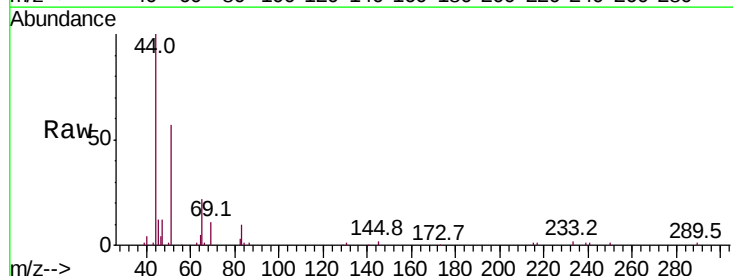
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 1:23

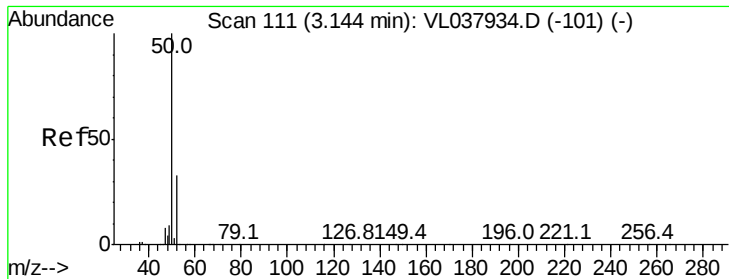
Tot Ion: 49 Resp: 1384734
 Ion Ratio Lower Upper
 49 100
 128 54.3 27.0 81.0
 130 69.7 33.4 100.2



#3
 Chlorodifluoromethane
 Concen: 0.155 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. -0.03 min
 Lab File: VL037995.D
 Acq: 10 Nov 2021 1:23

Tgt Ion: 51 Resp: 39835
 Ion Ratio Lower Upper
 51 100
 67 3.8 13.4 20.0#





#4

Chloromethane

Concen: 0.039 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

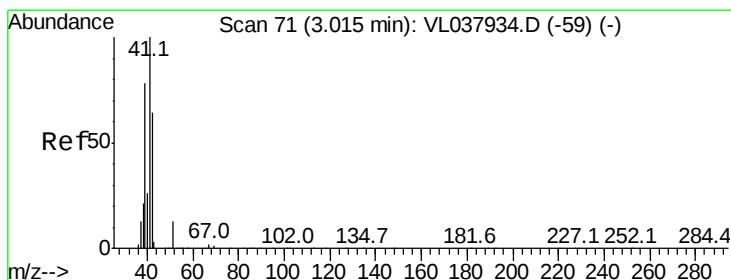
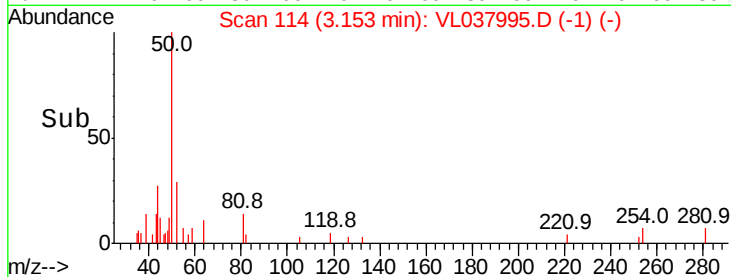
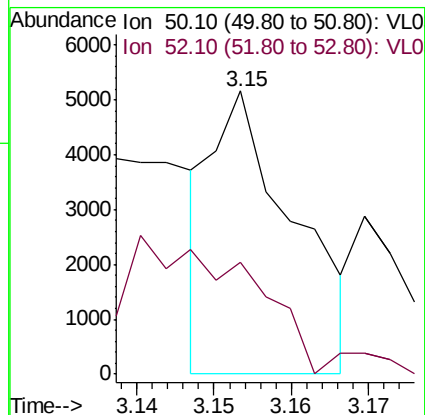
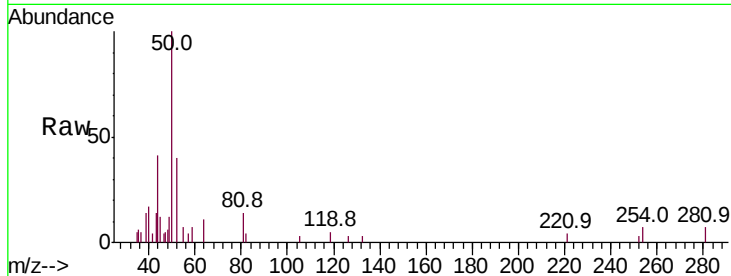
Acq: 10 Nov 2021 1:23

Tot Ion: 50 Resp: 3818

Ion Ratio Lower Upper

50 100

52 49.7 26.3 39.5#



#9

Propene

Concen: 0.499 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.20 min

Lab File: VL037995.D

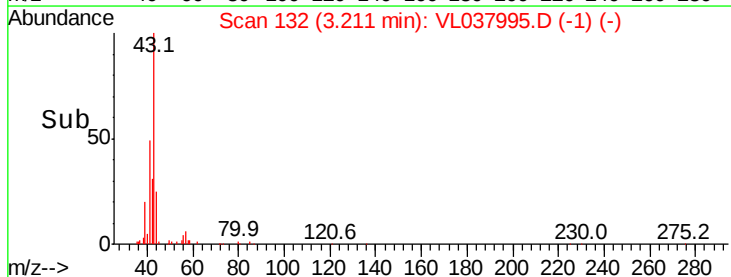
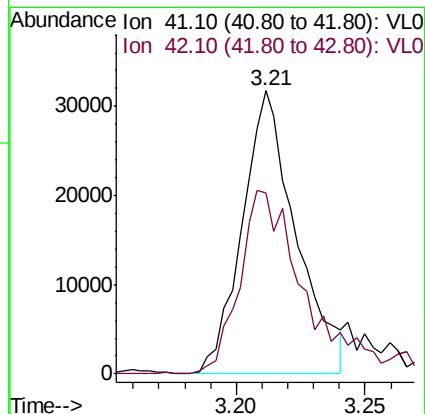
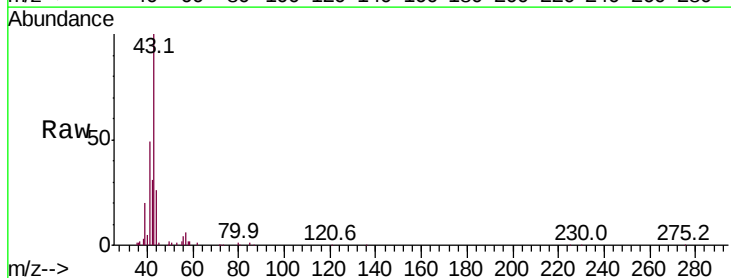
Acq: 10 Nov 2021 1:23

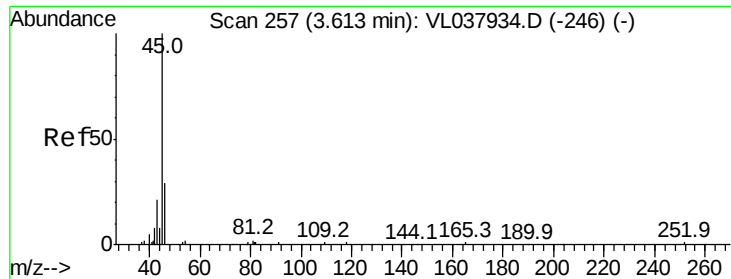
Tgt Ion: 41 Resp: 46082

Ion Ratio Lower Upper

41 100

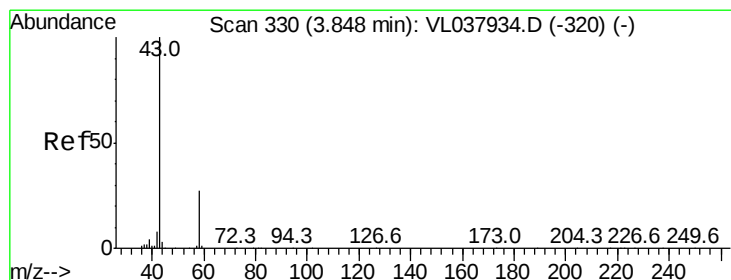
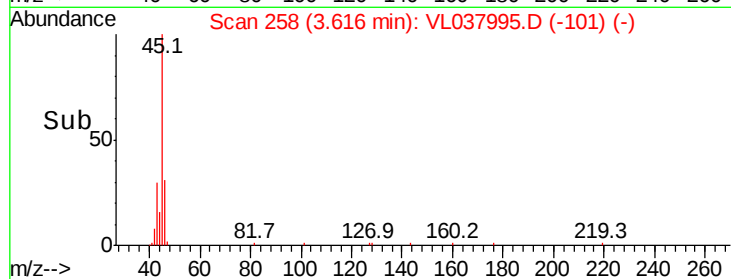
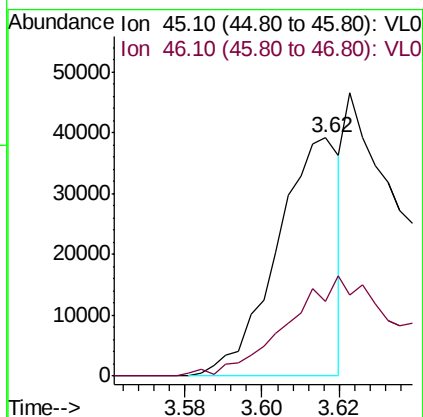
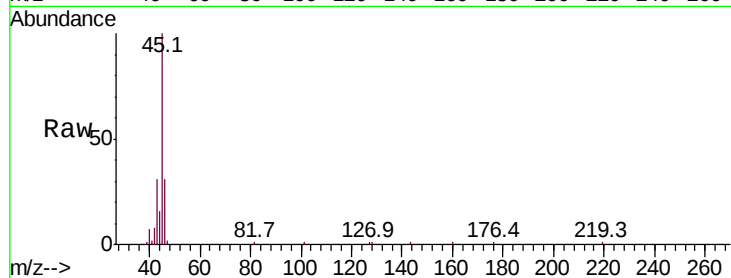
42 84.4 57.6 86.4





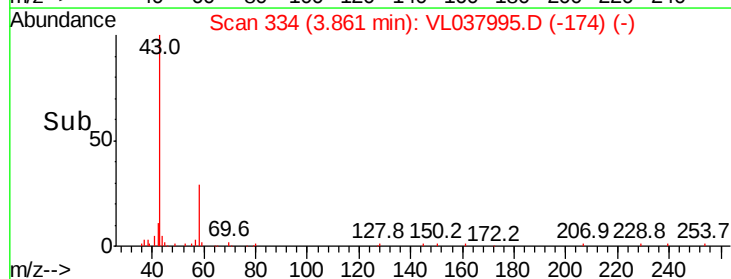
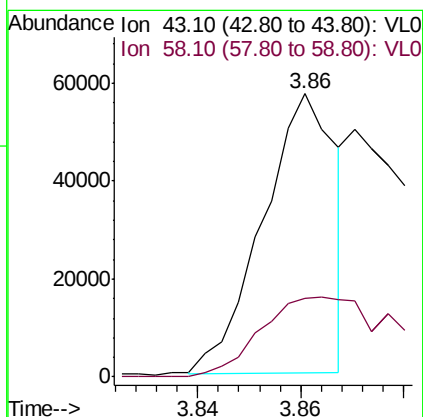
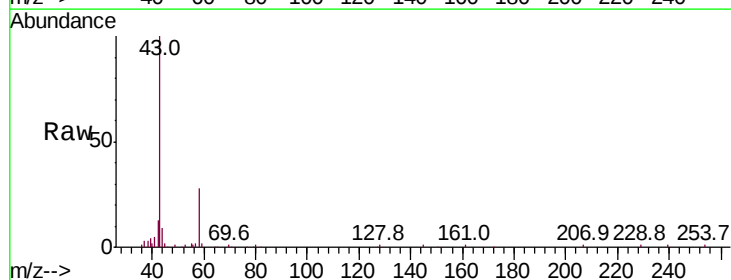
#13
 Ethanol
 Concen: 4.742 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 1:23

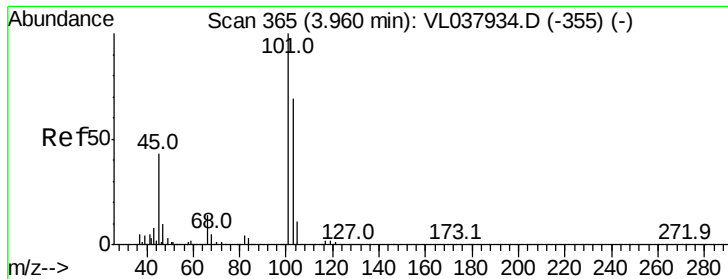
Tot Ion: 45 Resp: 44219
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.4 69.8#



#15
 Acetone
 Concen: 0.491 ppbv
 RT: 3.86 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VL037995.D
 Acq: 10 Nov 2021 1:23

Tgt Ion: 43 Resp: 56189
 Ion Ratio Lower Upper
 43 100
 58 72.6 23.3 34.9#





#19

Isopropyl Alcohol

Concen: 0.052 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

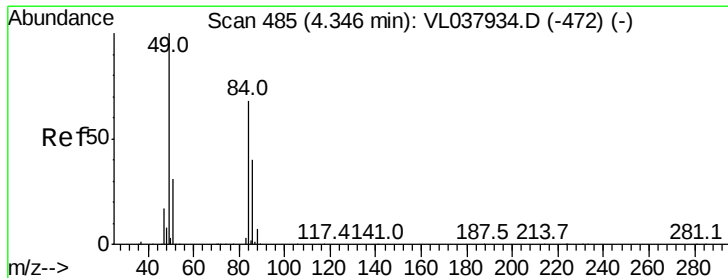
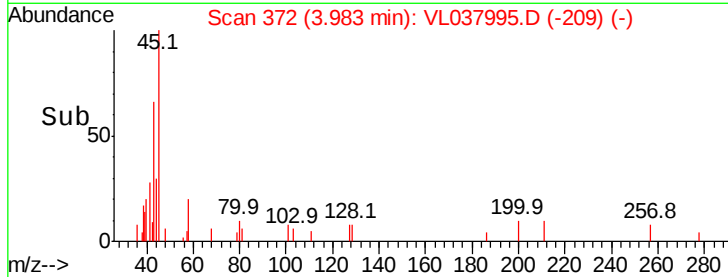
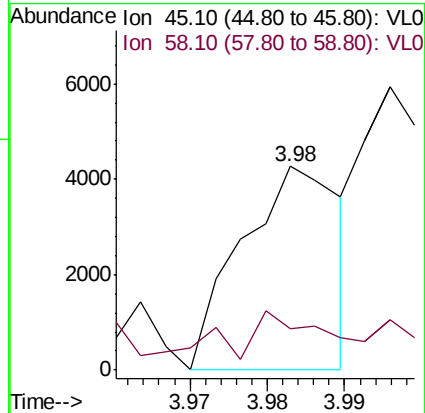
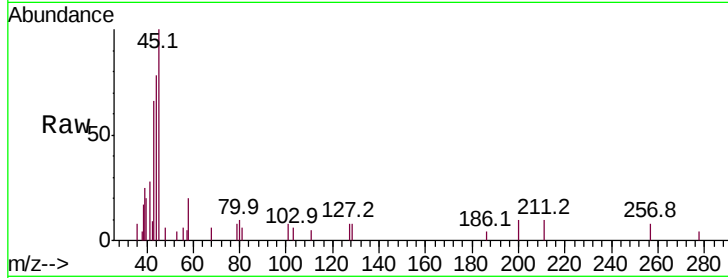
Acq: 10 Nov 2021 1:23

Tot Ion: 45 Resp: 3781

Ion Ratio Lower Upper

45 100

58 41.6 4.0 6.0#



#20

Methylene Chloride

Concen: 1.802 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL037995.D

Acq: 10 Nov 2021 1:23

Tgt Ion: 84 Resp: 113200

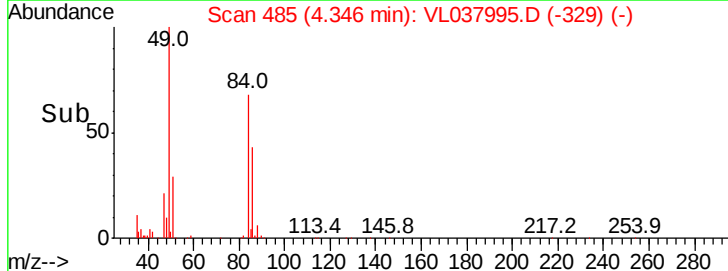
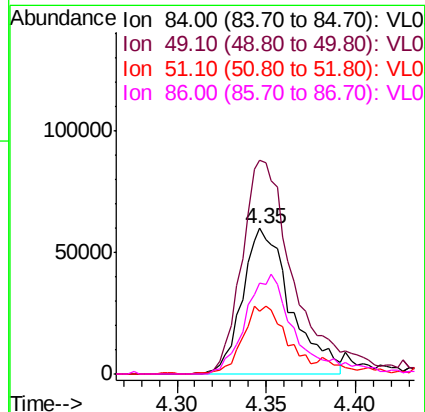
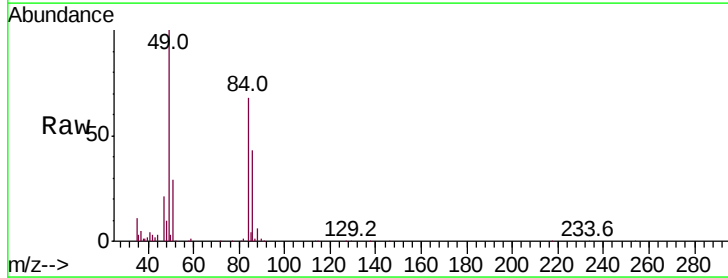
Ion Ratio Lower Upper

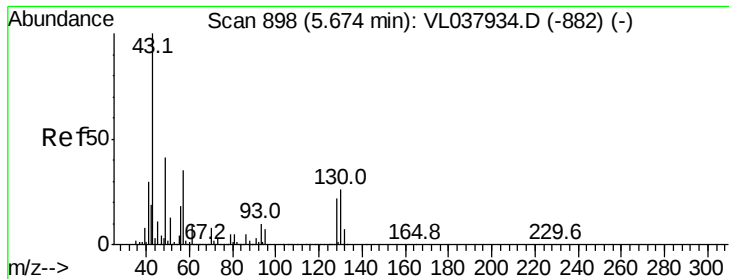
84 100

49 146.9 117.5 176.3

51 42.8 35.9 53.9

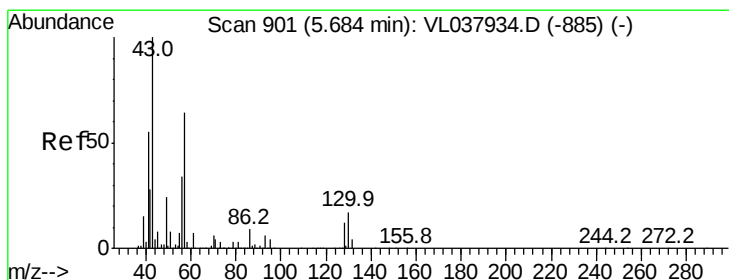
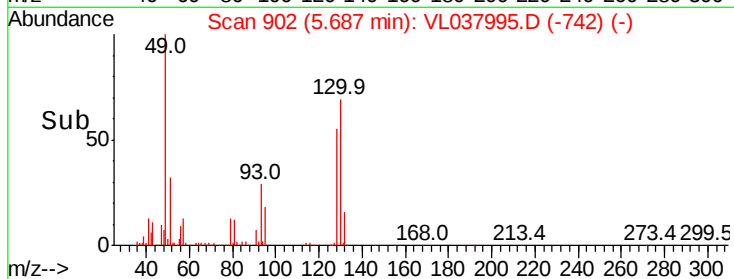
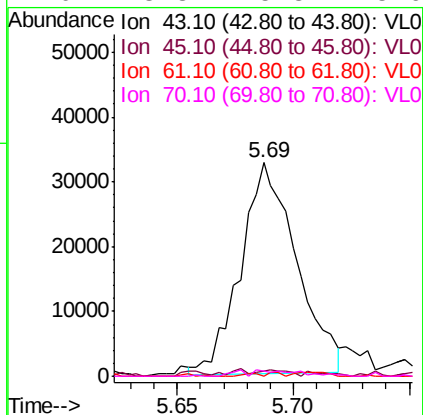
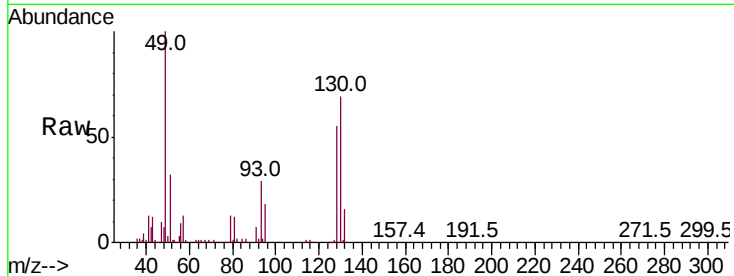
86 62.6 47.3 70.9





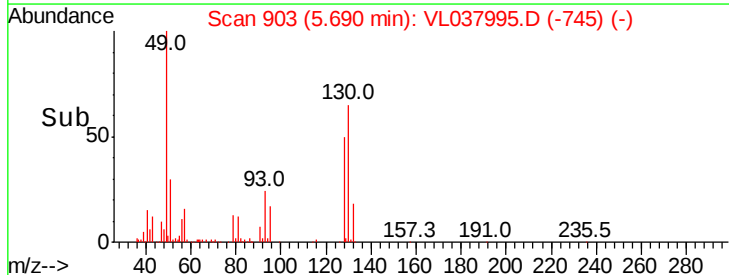
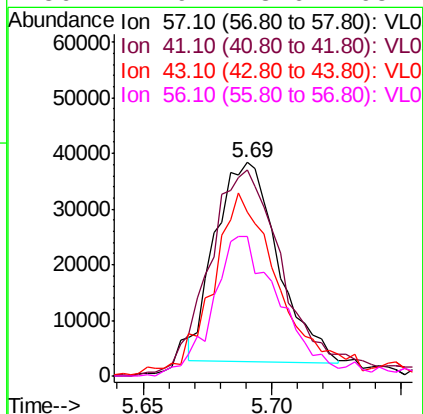
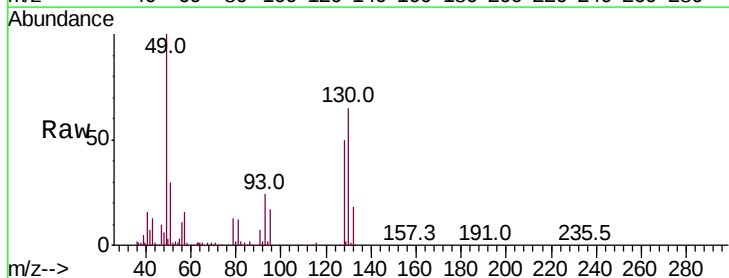
#25
Ethyl Acetate
Concen: 0.161 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 1:23

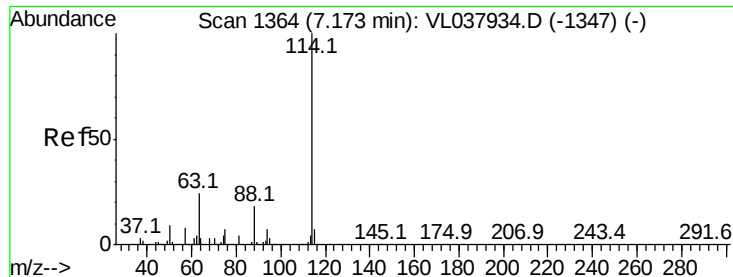
Tot Ion:	43	Resp:	54864
Ion	Ratio	Lower	Upper
43	100		
45	4.5	8.1	12.1#
61	0.0	8.1	12.1#
70	3.3	5.8	8.6#



#26
Hexane
Concen: 0.376 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL037995.D
Acq: 10 Nov 2021 1:23

Tgt Ion:	57	Resp:	60474
Ion	Ratio	Lower	Upper
57	100		
41	131.3	71.0	106.6#
43	105.4	173.0	259.6#
56	77.9	43.6	65.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_1

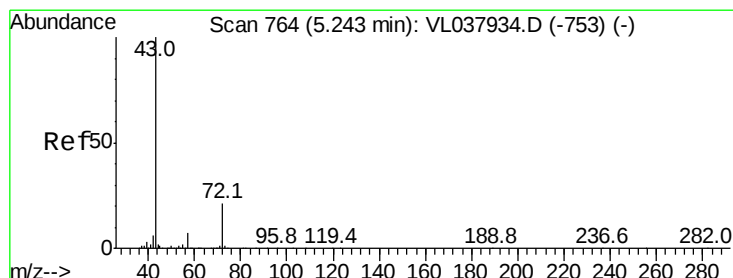
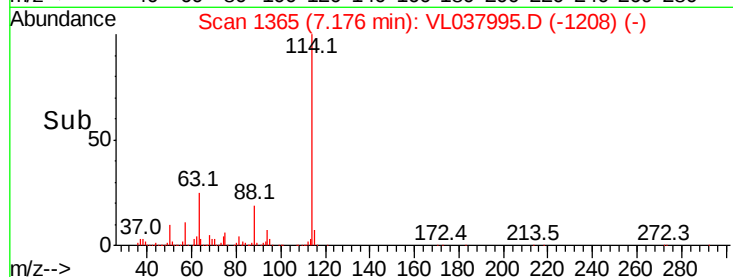
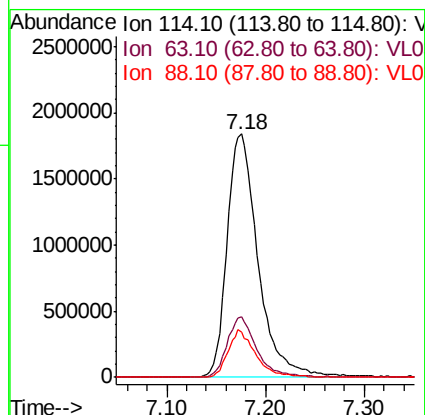
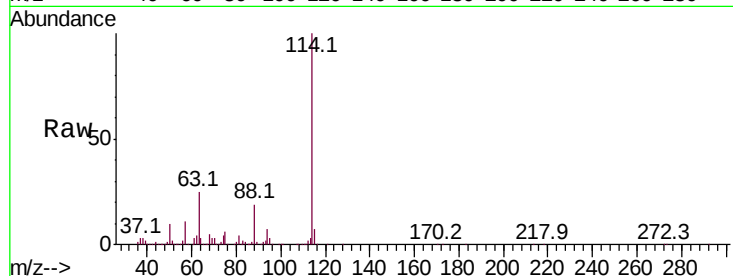
Delta R.T. ClientSampleId:

Lab File:

Acq: 10 Nov 2021 1:23

Tot Ion:114 Resp: 4047433

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.4	29.0
88	17.6	14.2	21.4



#34

2-Butanone

Concen: 0.031 ppbv

RT: 5.25 min Scan# 767

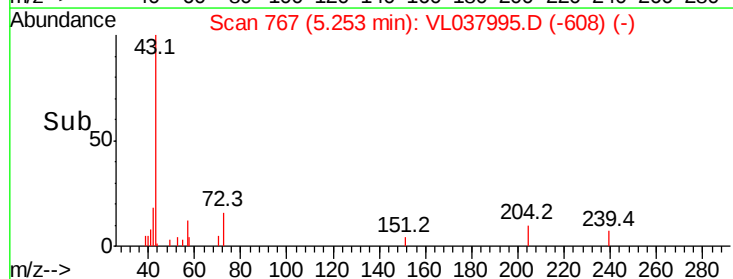
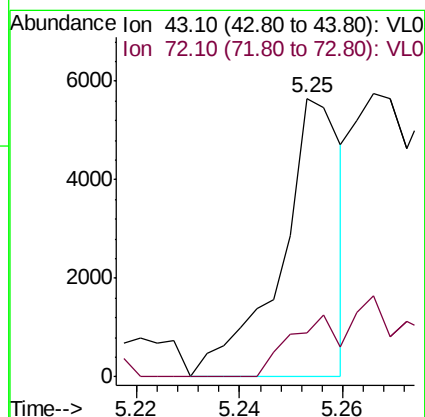
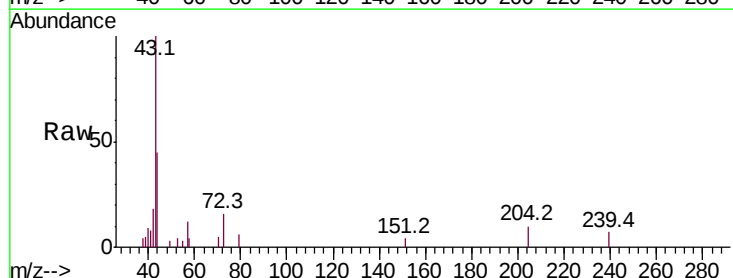
Delta R.T. 0.01 min

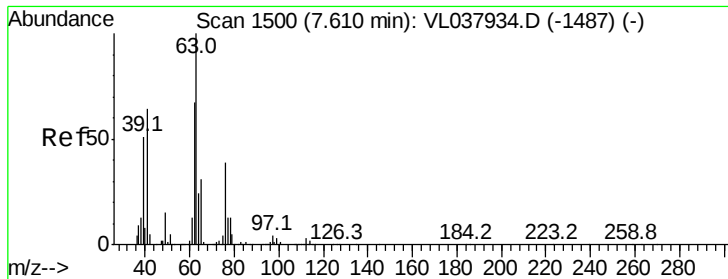
Lab File: VL037995.D

Acq: 10 Nov 2021 1:23

Tgt Ion: 43 Resp: 4589

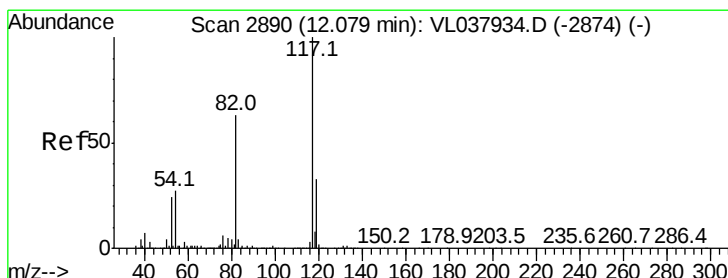
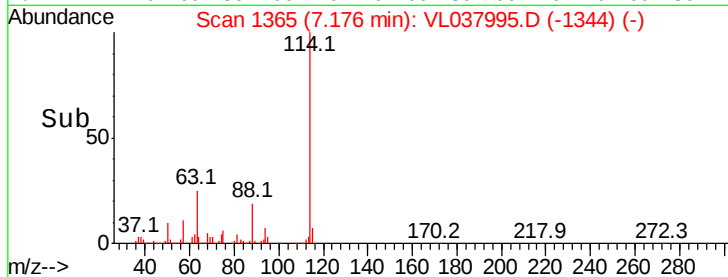
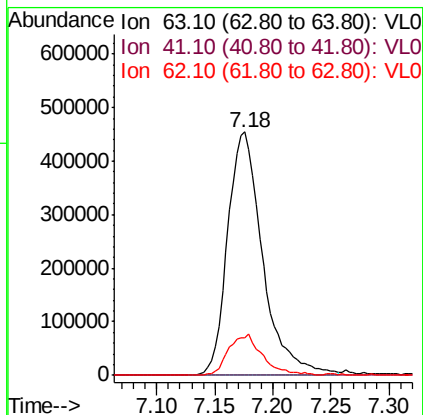
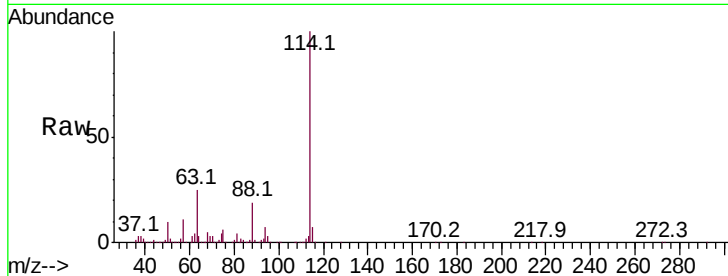
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.3	27.5#





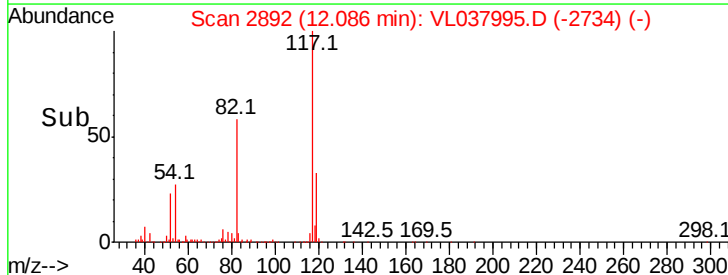
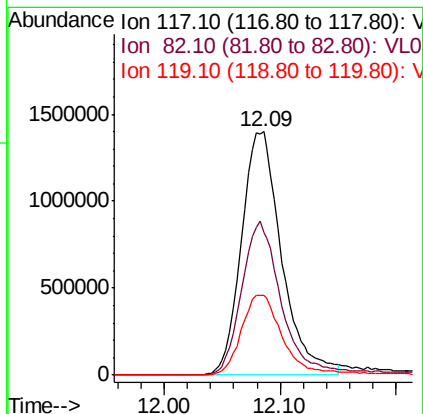
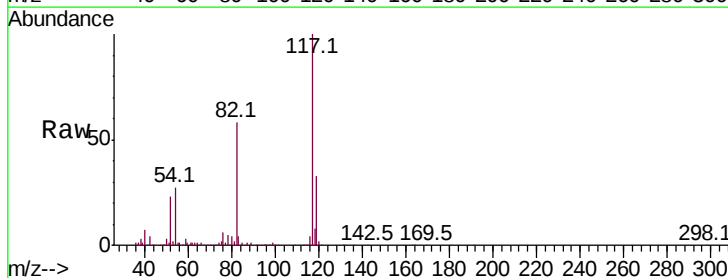
#39
 1,2-Dichloropropane
 Concen: 7.694 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 10 Nov 2021 1:23

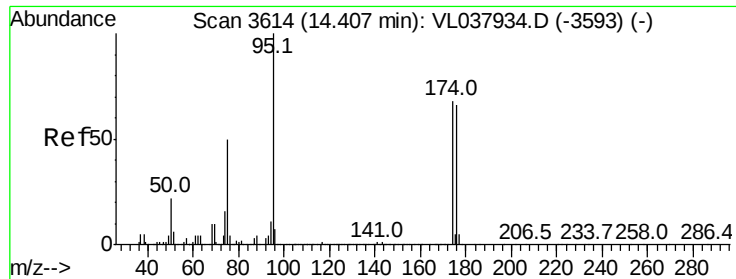
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	51.6	77.4#
62	15.3	53.5	80.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T.: 0.01 min
 Lab File: VL037995.D
 Acq: 10 Nov 2021 1:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.7	51.0	76.6
119	34.9	26.9	40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.565 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 1.25

Tot Ion: 95 Resp: 2344008

Ion Ratio Lower Upper

95 100

174 74.5 58.3 87.5

175 5.7 4.6 6.8

