

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038199.D
 Acq On : 16 Dec 2021 21:29
 Operator : SY/AP
 Sample : M5136-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:09:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1042291	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2679971	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2335108	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1813719	10.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

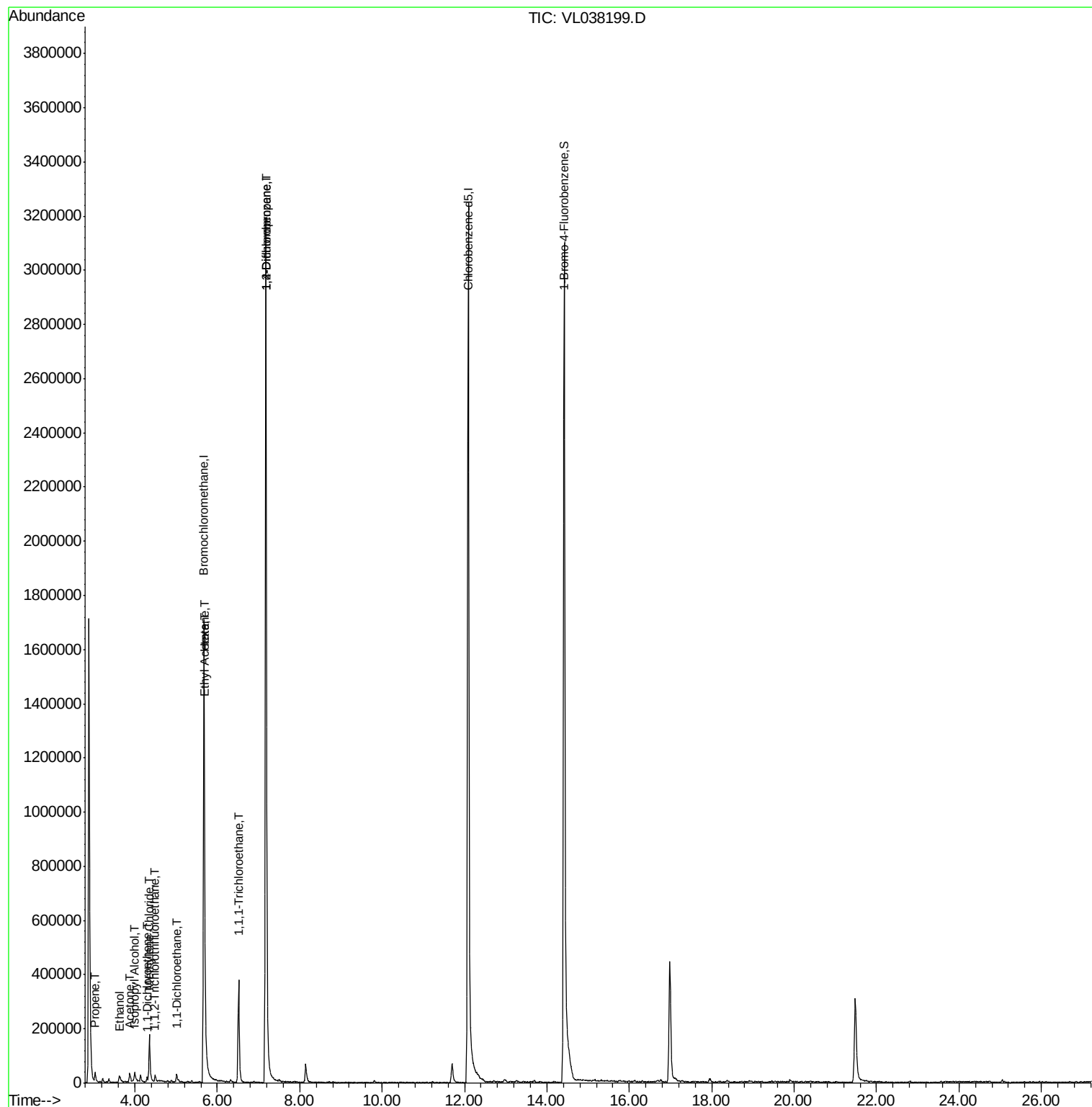
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	9133	0.113	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.49	101	8489	0.073	ppbv	84
13) Ethanol	3.62	45	13599	1.746	ppbv #	32
15) Acetone	3.87	43	19975	0.221	ppbv #	74
18) 1,1-Dichloroethene	4.29	96	4480	0.084	ppbv #	69
19) Isopropyl Alcohol	3.99	45	36400	0.557	ppbv #	86
20) Methylene Chloride	4.35	84	29184	0.577	ppbv	94
24) 1,1-Dichloroethane	5.02	63	25488	0.234	ppbv	99
25) Ethyl Acetate	5.69	43	25787	0.086	ppbv #	82
26) Hexane	5.69	57	31990	0.221	ppbv #	47
32) 1,1,1-Trichloroethane	6.52	97	257717	1.190	ppbv	96
39) 1,2-Dichloropropane	7.18	63	719520	7.016	ppbv #	26

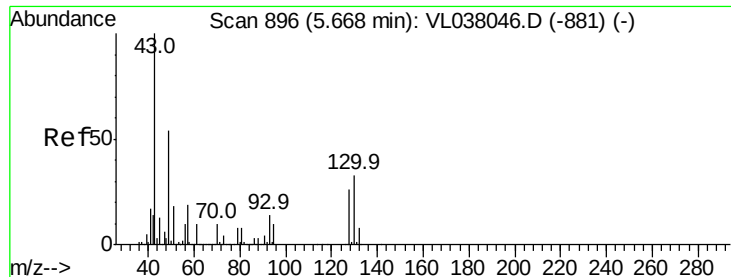
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

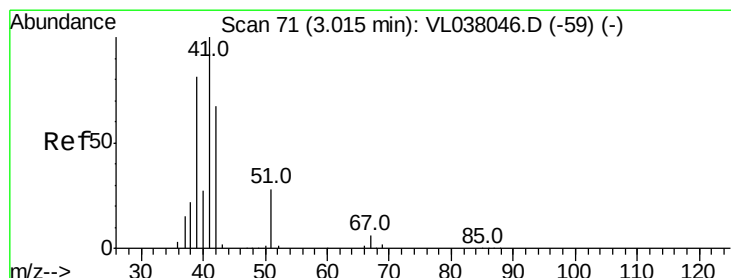
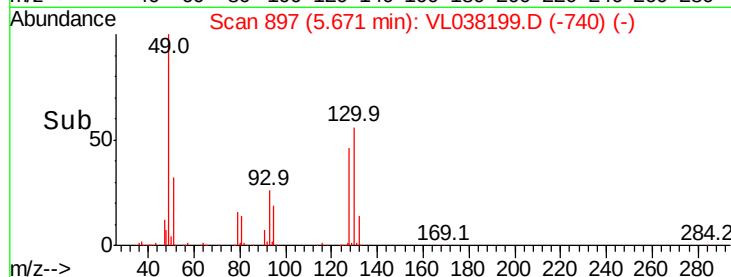
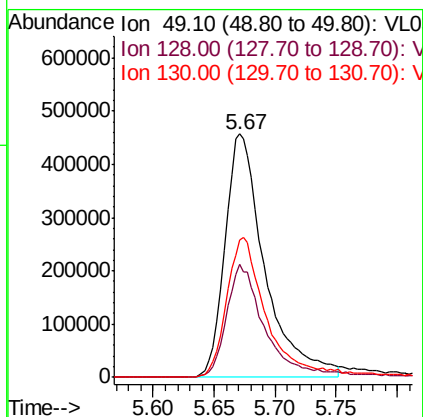
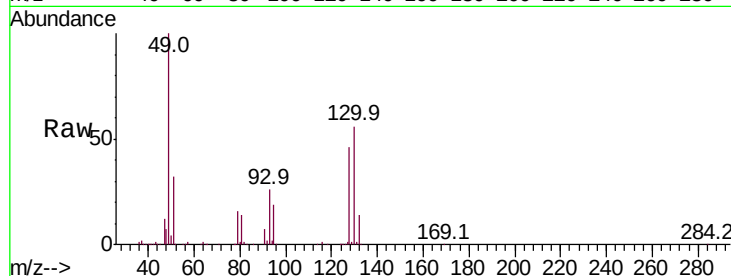
Quant Time: Dec 17 05:09:56 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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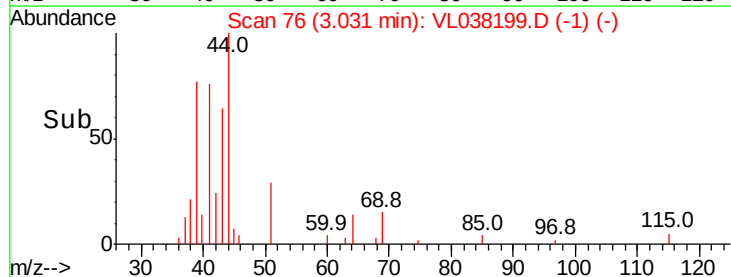
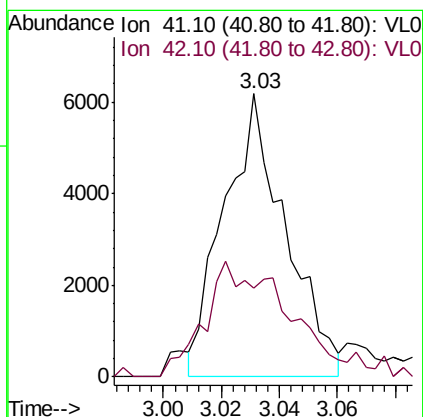
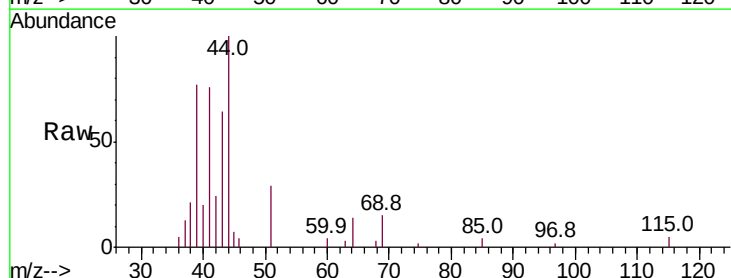
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 21:29

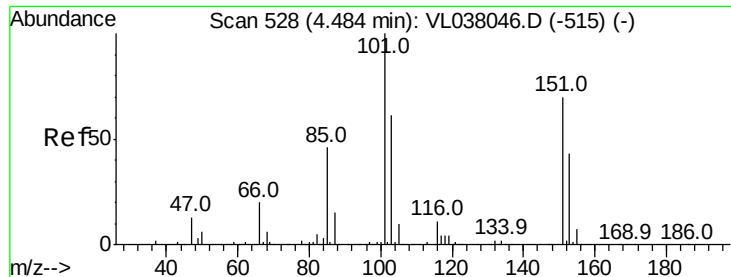
Tot Ion: 49 Resp: 1042291
 Ion Ratio Lower Upper
 49 100
 128 46.3 26.5 79.5
 130 59.9 32.5 97.4



#9
 Propene
 Concen: 0.113 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. 0.02 min
 Lab File: VL038199.D
 Acq: 16 Dec 2021 21:29

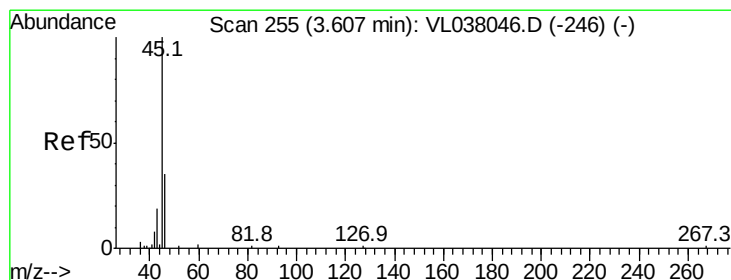
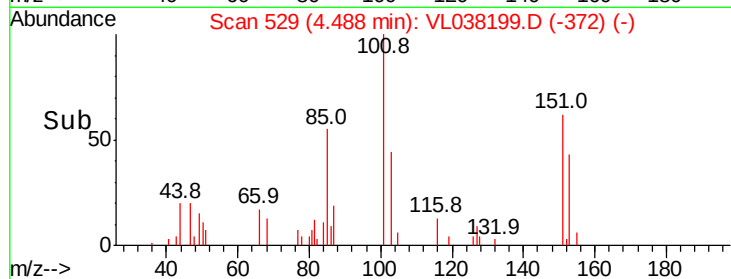
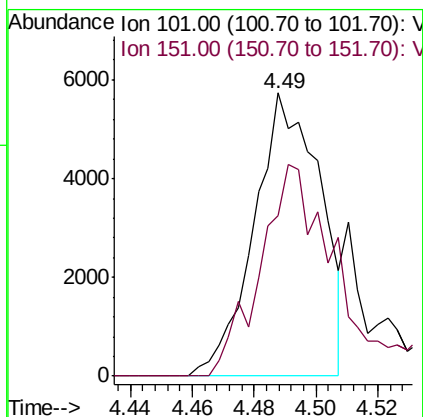
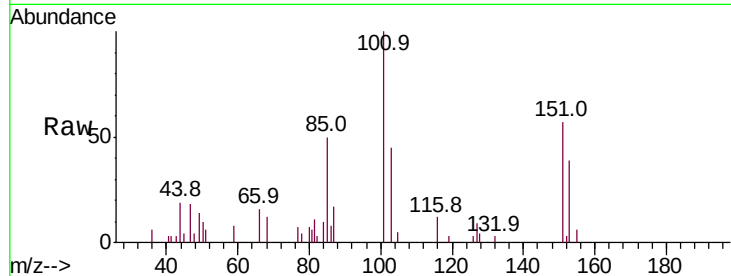
Tgt Ion: 41 Resp: 9133
 Ion Ratio Lower Upper
 41 100
 42 57.6 53.8 80.8





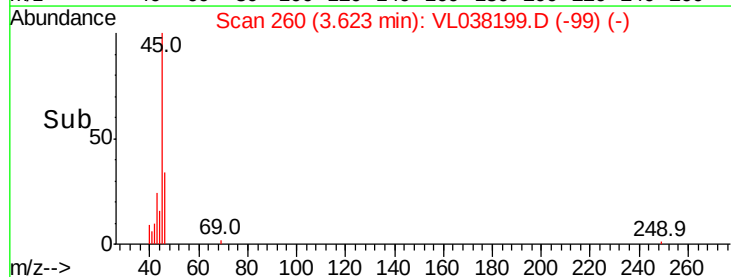
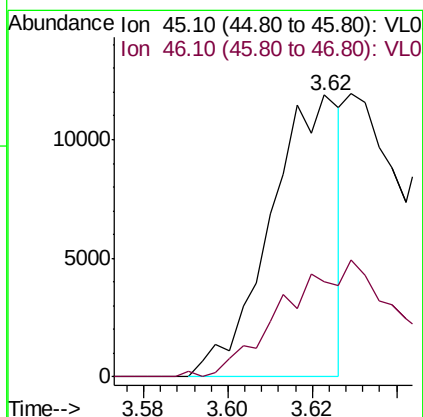
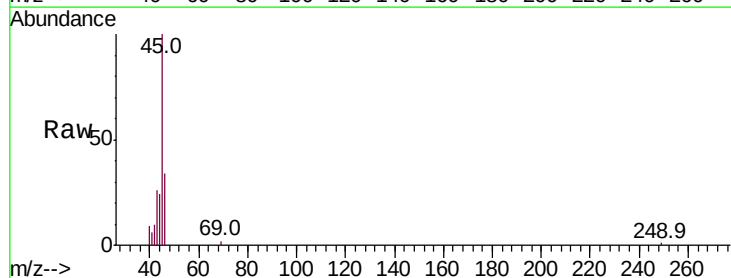
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.073 ppbv
 RT: 4.49
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 21:29

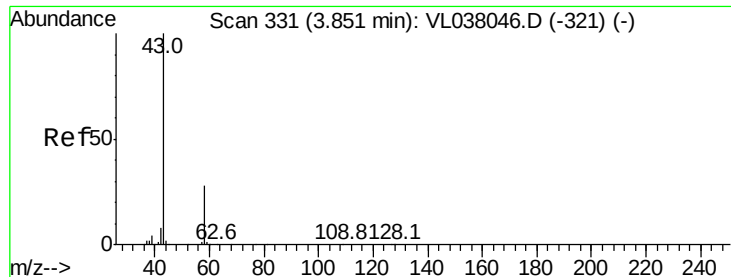
Tot Ion: 101 Resp: 8489
 Ion Ratio Lower Upper
 101 100
 151 87.1 59.0 88.4



#13
 Ethanol
 Concen: 1.746 ppbv
 RT: 3.62 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VL038199.D
 Acq: 16 Dec 2021 21:29

Tgt Ion: 45 Resp: 13599
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.6 70.2#





#15

Acetone

Concen: 0.221 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

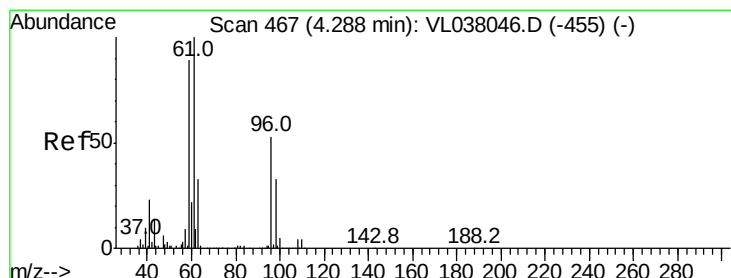
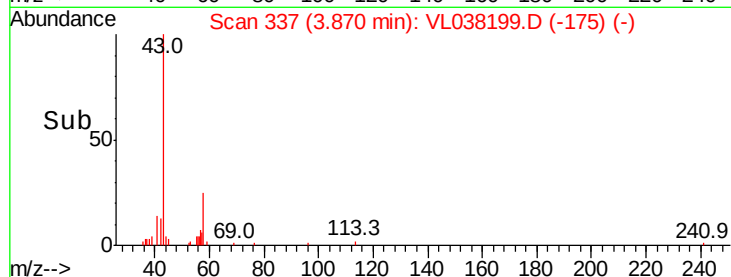
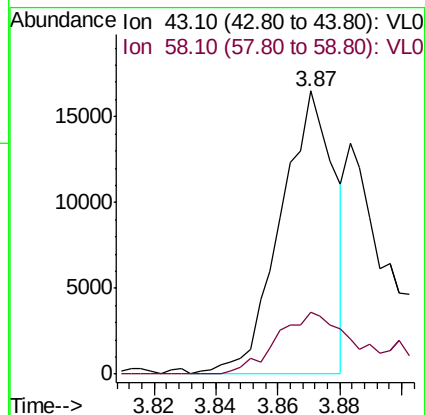
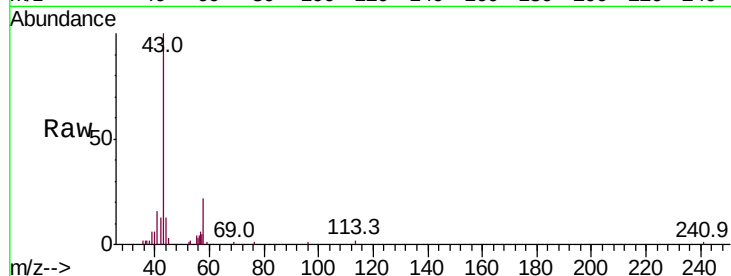
Acq: 16 Dec 2021 21:29

Tot Ion: 43 Resp: 19975

Ion Ratio Lower Upper

43 100

58 41.6 22.4 33.6#



#18

1,1-Dichloroethene

Concen: 0.084 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

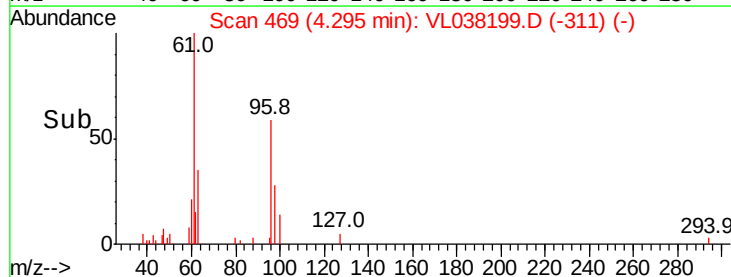
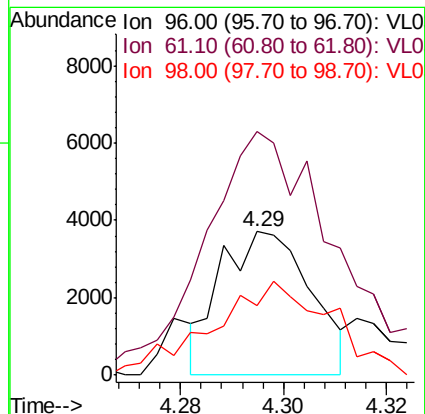
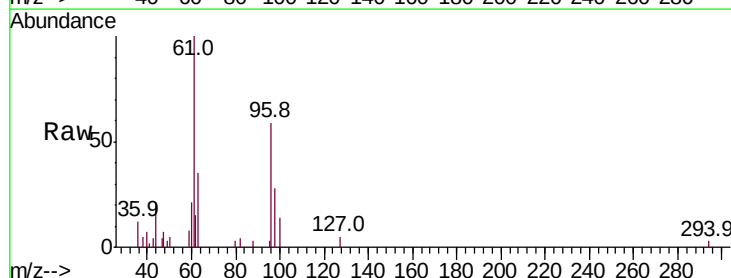
Tgt Ion: 96 Resp: 4480

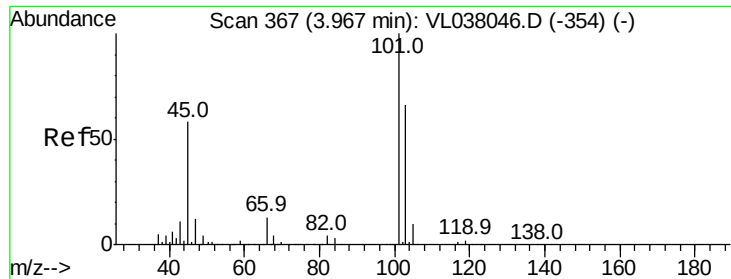
Ion Ratio Lower Upper

96 100

61 150.7 149.8 224.8

98 26.4 50.2 75.2#





#19

Isopropyl Alcohol

Concen: 0.557 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

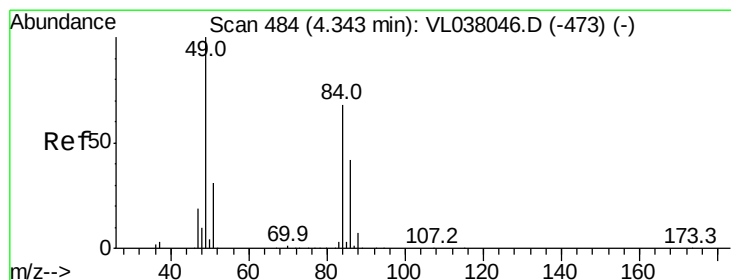
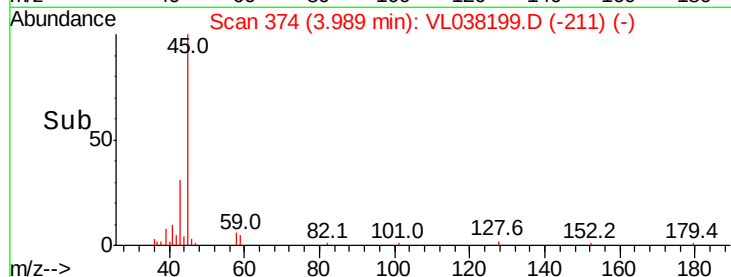
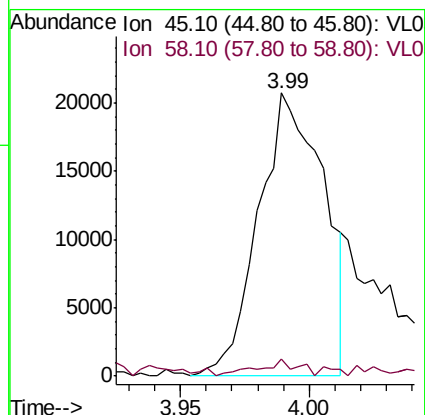
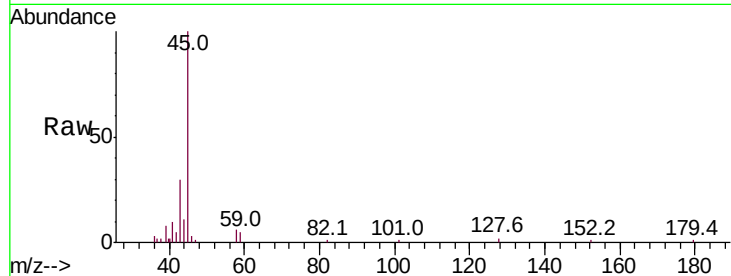
Acq: 16 Dec 2021 21:29

Tot Ion: 45 Resp: 36400

Ion Ratio Lower Upper

45 100

58 7.0 1.4 2.0#



#20

Methylene Chloride

Concen: 0.577 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 84 Resp: 29184

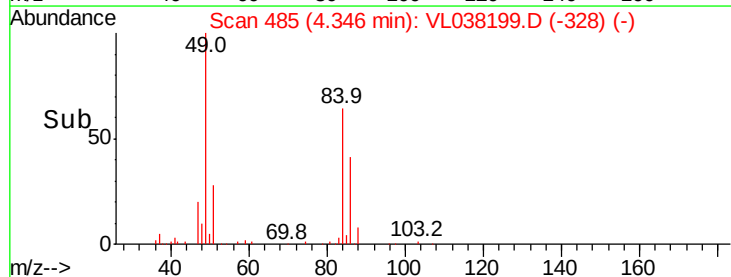
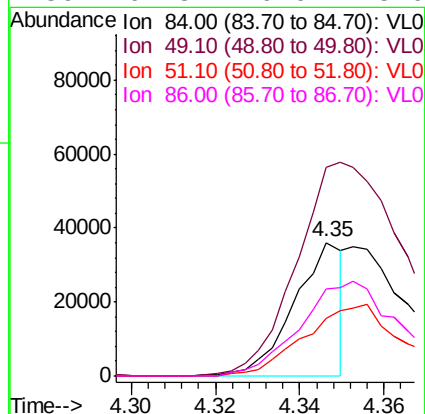
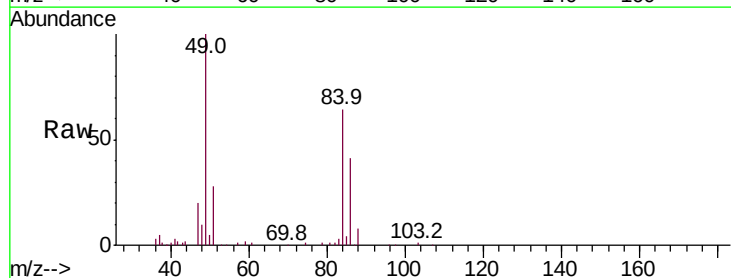
Ion Ratio Lower Upper

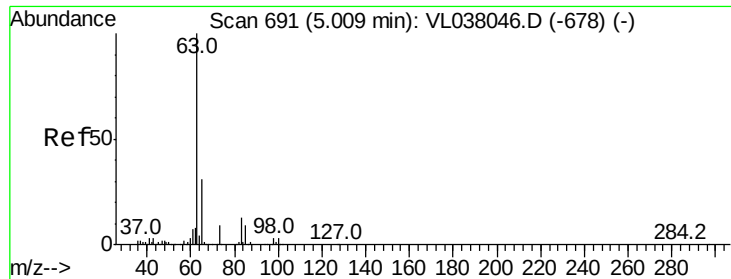
84 100

49 156.3 118.2 177.2

51 43.1 36.8 55.2

86 64.8 49.0 73.6





#24

1,1-Dichloroethane

Concen: 0.234 ppbv

RT: 5.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29

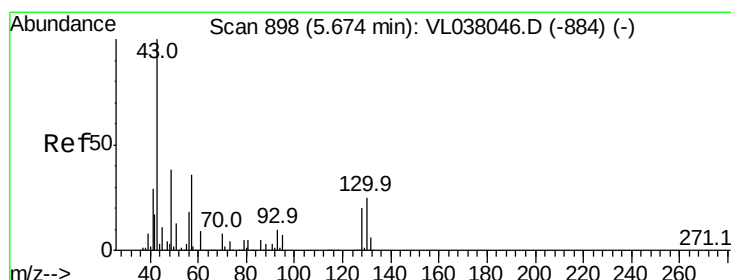
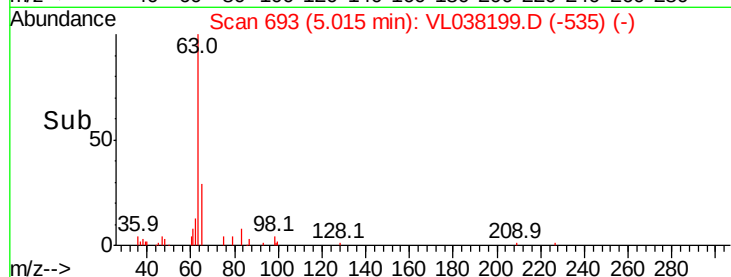
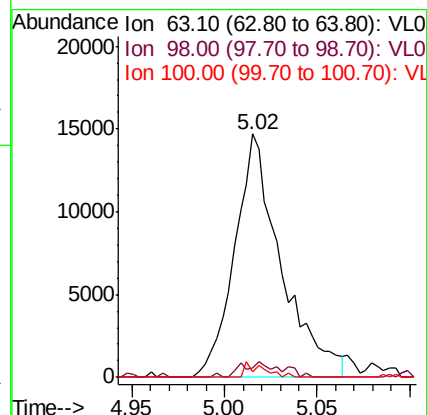
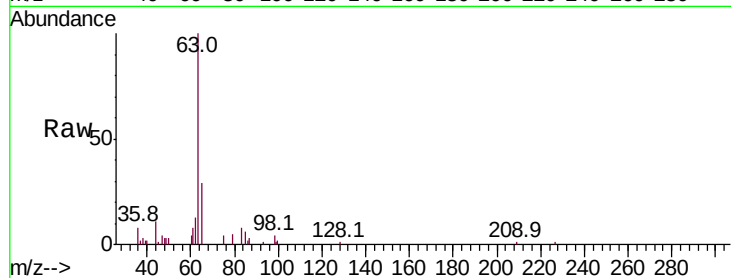
Tot Ion: 63 Resp: 25488

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 2.3 1.4 4.0



#25

Ethyl Acetate

Concen: 0.086 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.02 min

Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 43 Resp: 25787

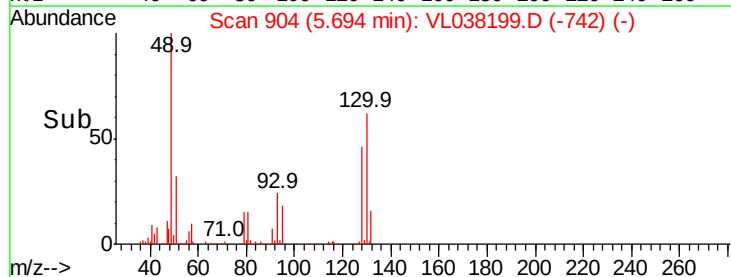
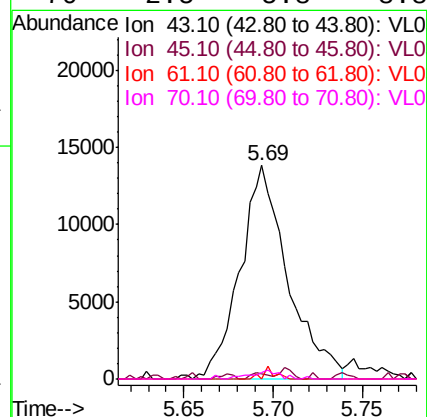
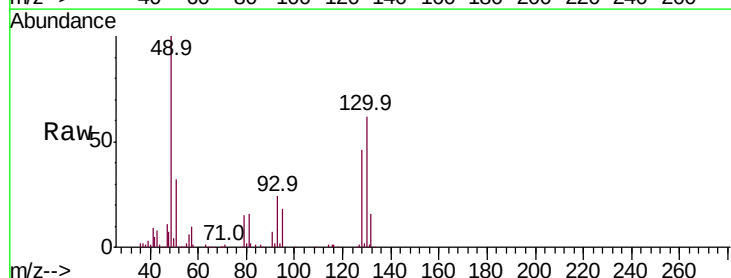
Ion Ratio Lower Upper

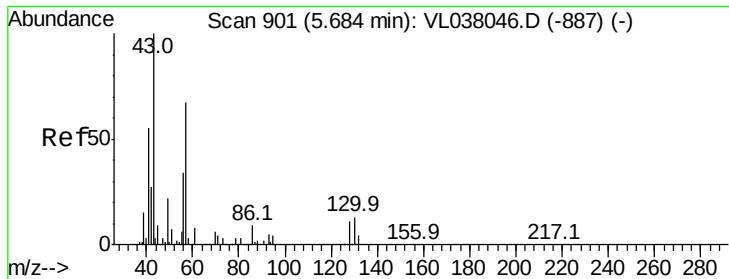
43 100

45 3.9 7.9 11.9#

61 1.4 7.8 11.6#

70 2.5 5.8 8.8#





#26

Hexane

Concen: 0.221 ppbv

RT: 5.69 Instrument:

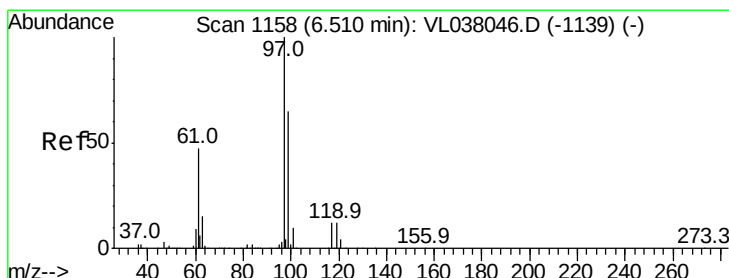
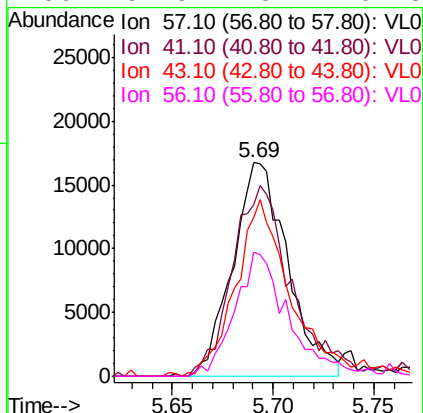
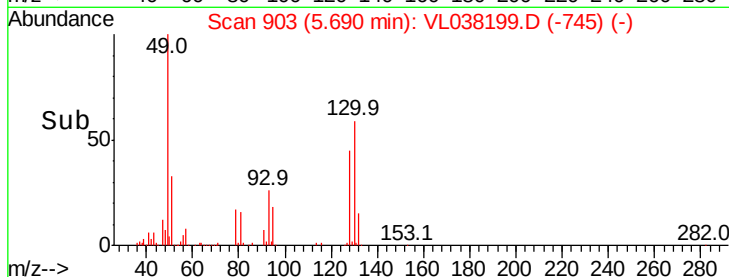
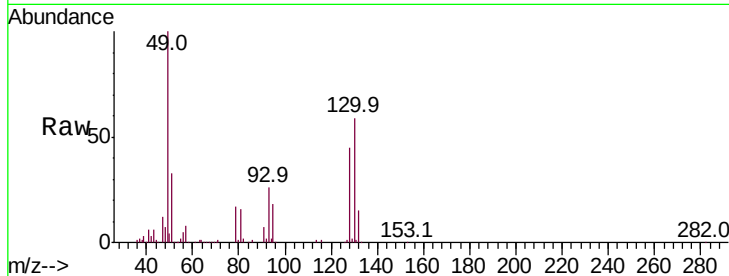
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29

Tot Ion: 57 Resp: 31990

Ion	Ratio	Lower	Upper
57	100		
41	96.4	71.4	107.2
43	84.9	174.6	261.8#
56	57.9	43.2	64.8



#32

1,1,1-Trichloroethane

Concen: 1.190 ppbv

RT: 6.52 min Scan# 1160

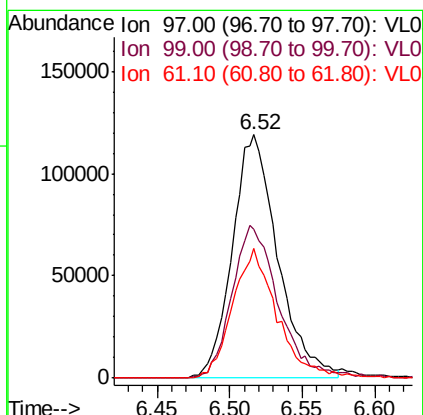
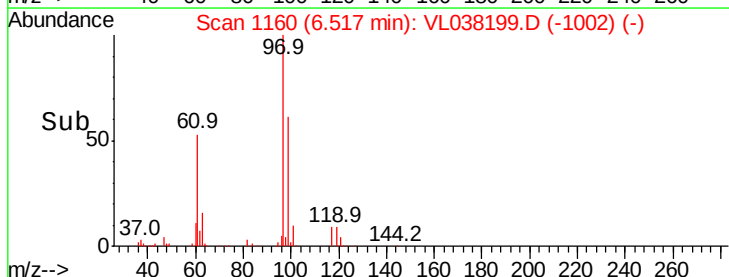
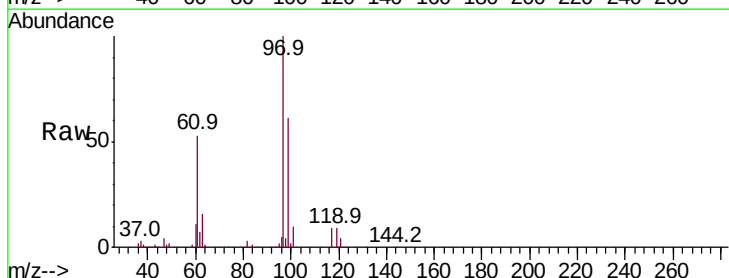
Delta R.T. 0.01 min

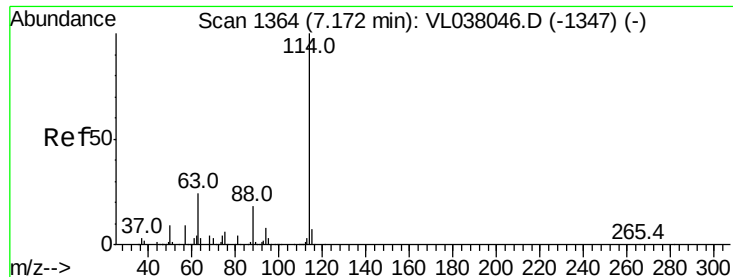
Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 97 Resp: 257717

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.4
61	52.8	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min

Instrument: MSVOA_1

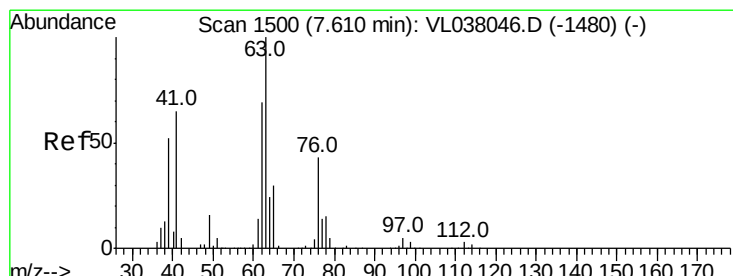
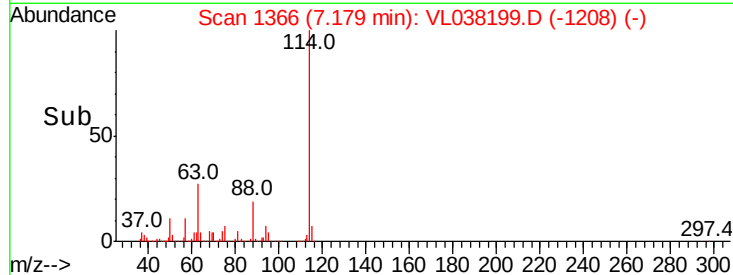
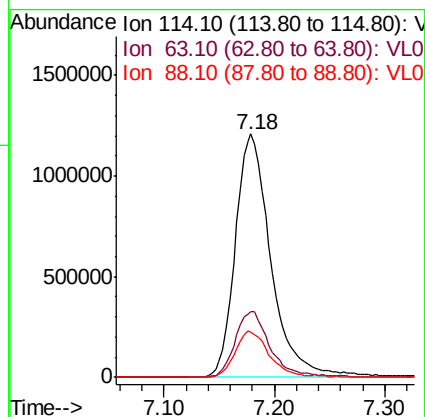
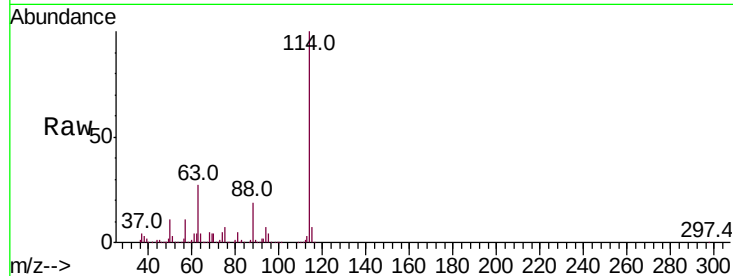
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Dec 2021 21:29

Tot Ion: 114 Resp: 2679971

Ion	Ratio	Lower	Upper
114	100		
63	27.5	19.7	29.5
88	19.1	14.4	21.6



#39

1,2-Dichloropropane

Concen: 7.016 ppbv

RT: 7.18 min Scan# 1367

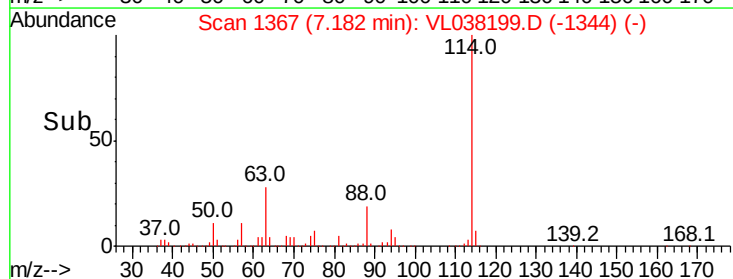
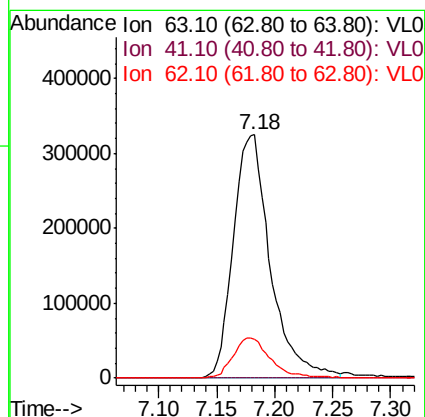
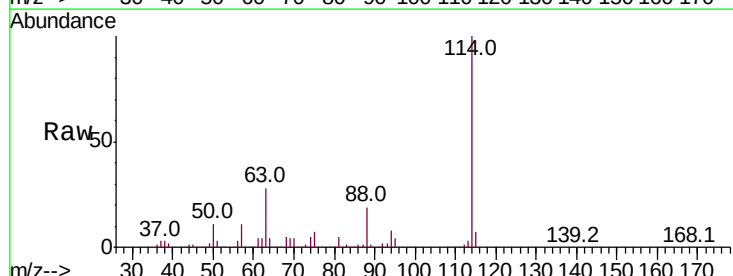
Delta R.T. -0.43 min

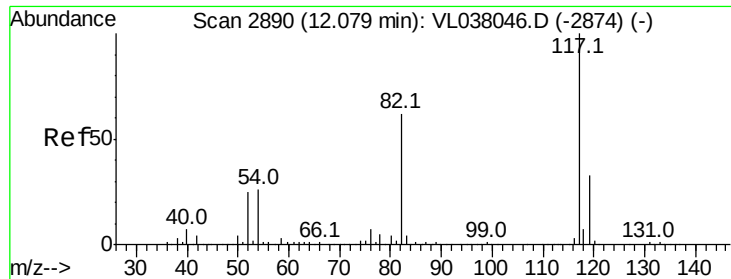
Lab File: VL038199.D

Acq: 16 Dec 2021 21:29

Tgt Ion: 63 Resp: 719520

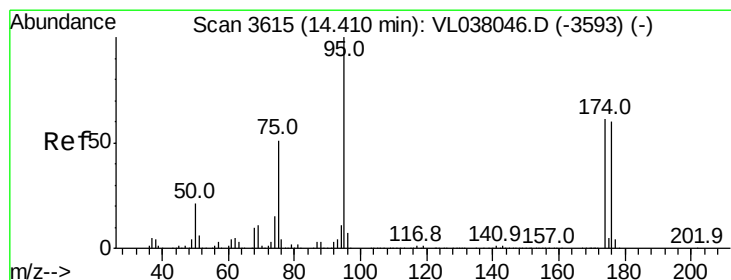
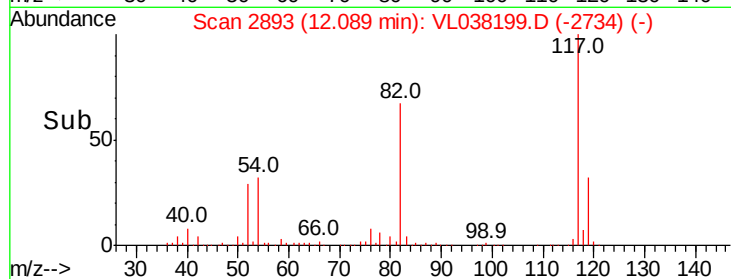
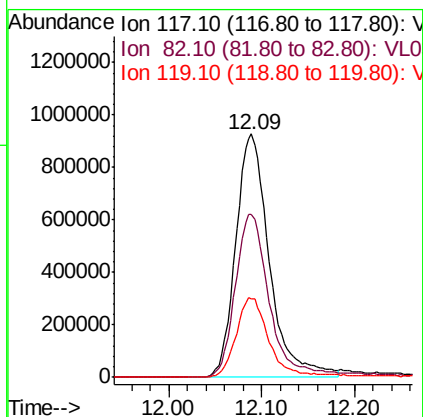
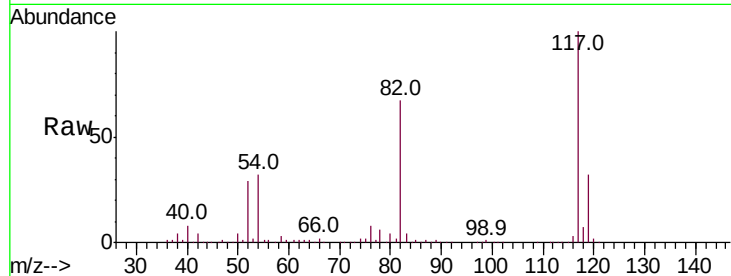
Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	16.1	55.1	82.7#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 21:29

Tot Ion: 117 Resp: 2335108
 Ion Ratio Lower Upper
 117 100
 82 70.6 52.8 79.2
 119 33.6 26.8 40.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.768 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL038199.D
 Acq: 16 Dec 2021 21:29

Tgt Ion: 95 Resp: 1813719
 Ion Ratio Lower Upper
 95 100
 174 62.0 53.1 79.7
 175 4.5 4.0 6.0

