

Data File : VL038258.D
Acq On : 24 Jan 2022 12:33
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 24 14:01:56 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 11:15:25 2022
QLast Update : Mon Jan 24 11:15:25 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	835288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2194315	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1854011	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1334621	9.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	5983	0.034	ppbv	99
9) Propene	3.02	41	2785	0.046	ppbv #	64
12) 1,1,2-Trichlorotrifluoroet	4.49	101	3303	0.030	ppbv	90
13) Ethanol	3.64	45	466	0.045	ppbv #	37
15) Acetone	3.90	43	2601	0.031	ppbv #	48
20) Methylene Chloride	4.36	84	4343	0.092	ppbv #	77
39) 1,2-Dichloropropane	7.18	63	582278	7.392	ppbv #	26

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012422\

Quantitation Report (Not Reviewed)

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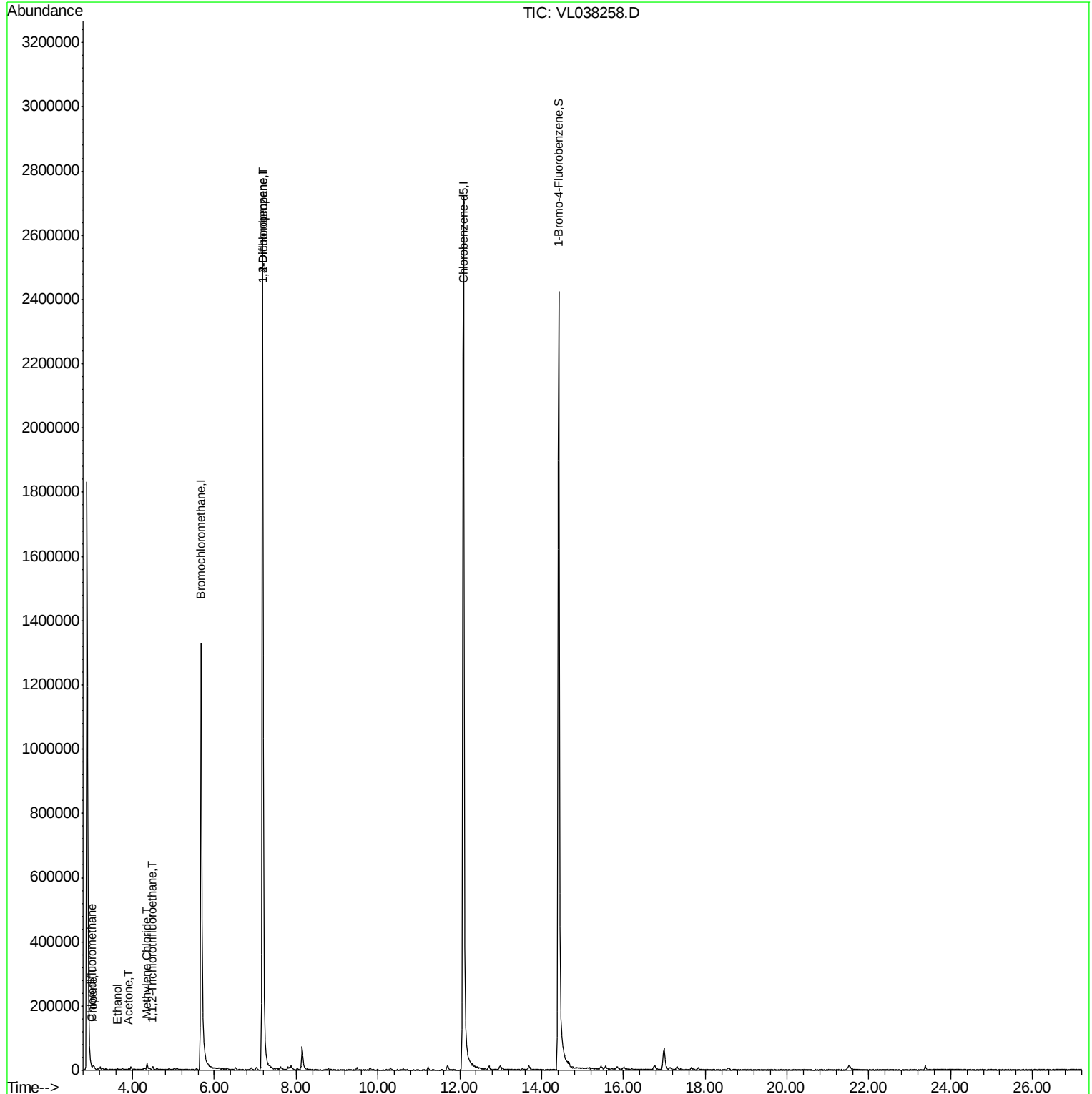
Quant Time: Jan 24 14:01:56 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Jan 2022 12:33

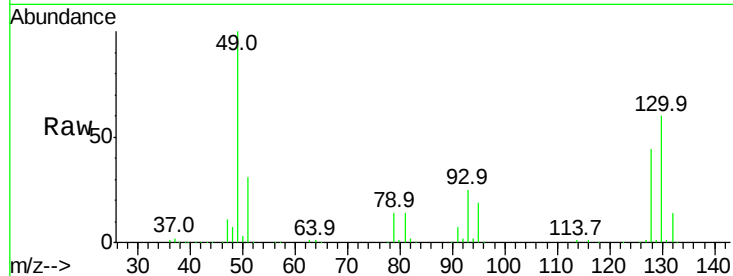
Tgt Ion: 49 Resp: 835288

Ion Ratio Lower Upper

49 100

128 47.1 24.5 73.5

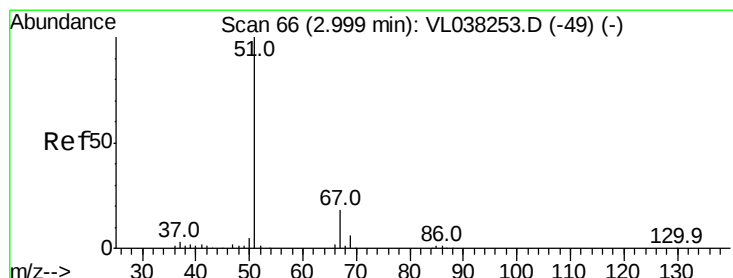
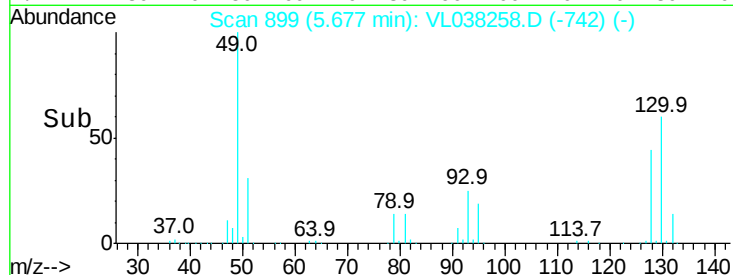
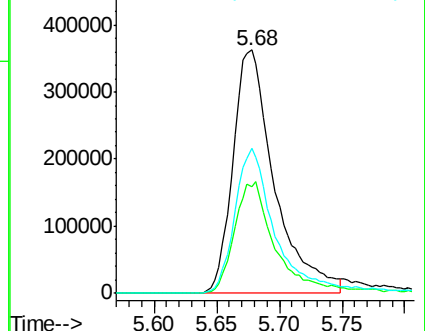
130 59.1 30.1 90.5



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: 0.034 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL038258.D

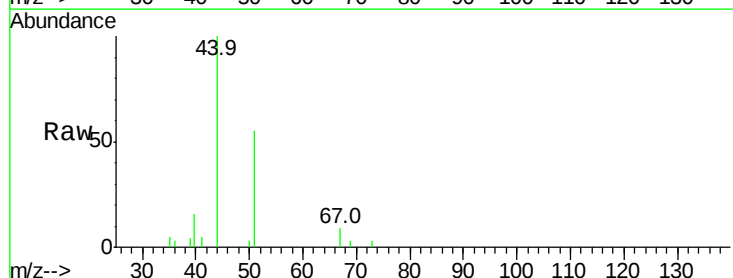
Acq: 24 Jan 2022 12:33

Tgt Ion: 51 Resp: 5983

Ion Ratio Lower Upper

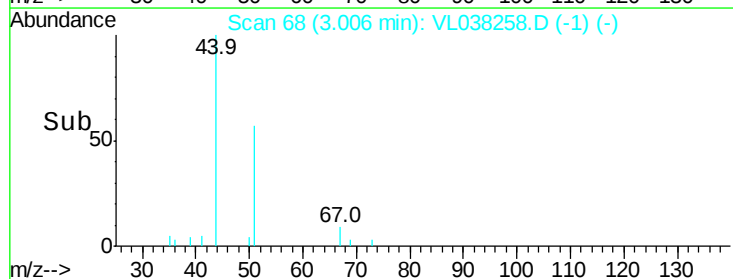
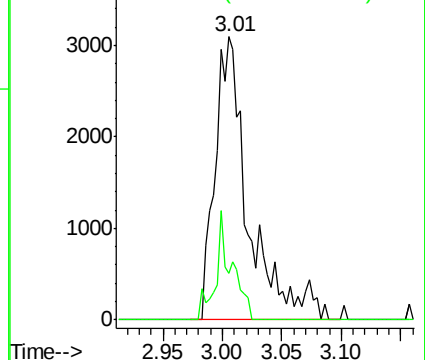
51 100

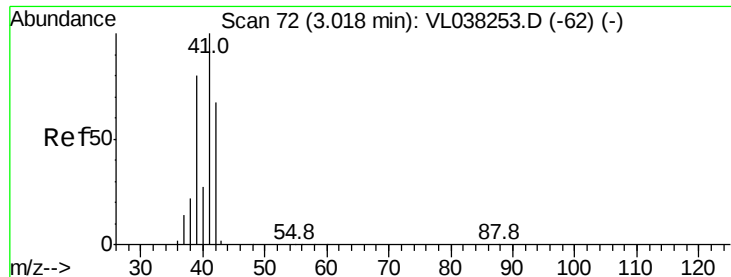
67 18.6 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.046 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

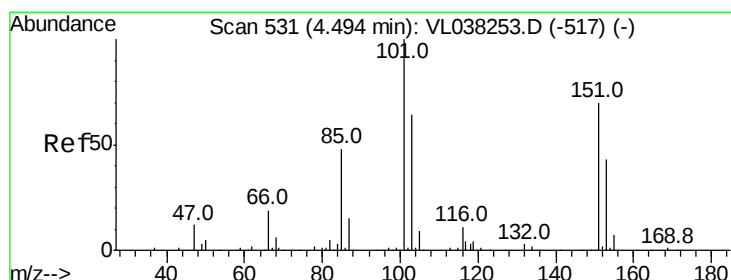
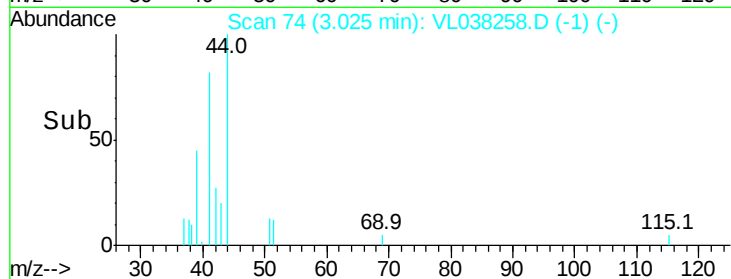
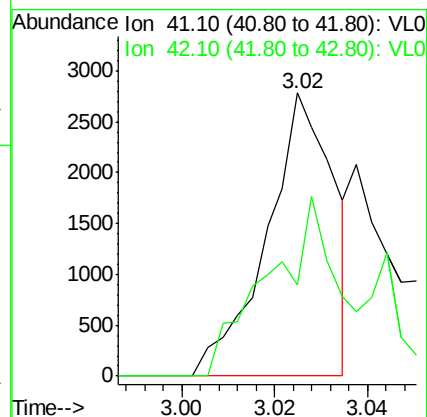
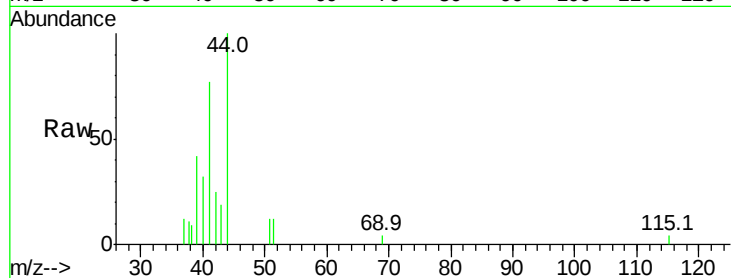
Acq: 24 Jan 2022 12:33

Tgt Ion: 41 Resp: 2785

Ion Ratio Lower Upper

41 100

42 97.8 54.9 82.3#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.030 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.00 min

Lab File: VL038258.D

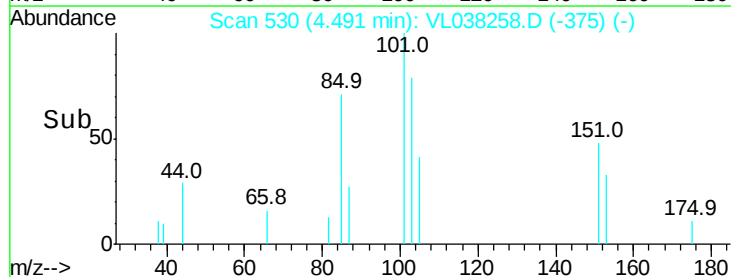
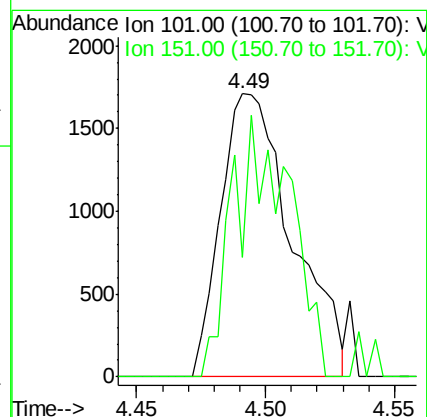
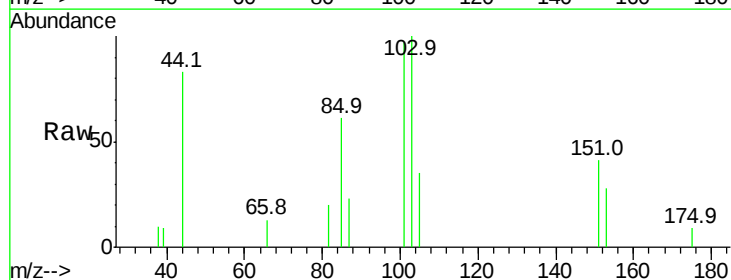
Acq: 24 Jan 2022 12:33

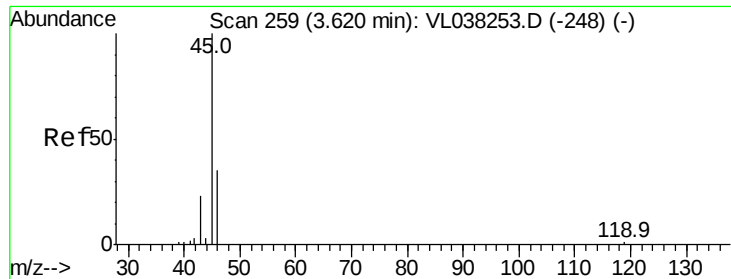
Tgt Ion: 101 Resp: 3303

Ion Ratio Lower Upper

101 100

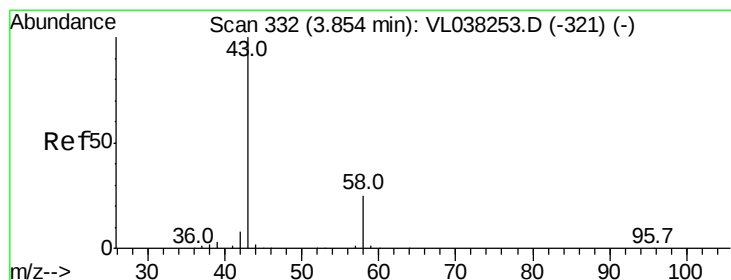
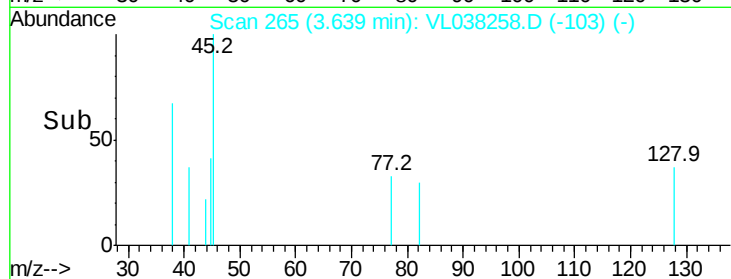
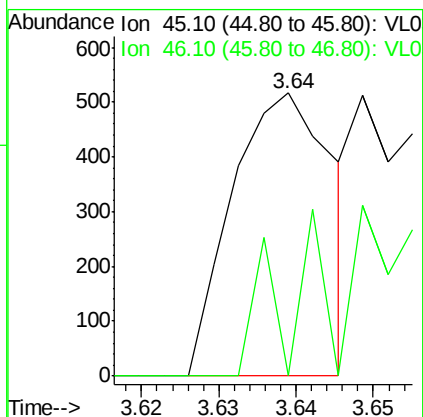
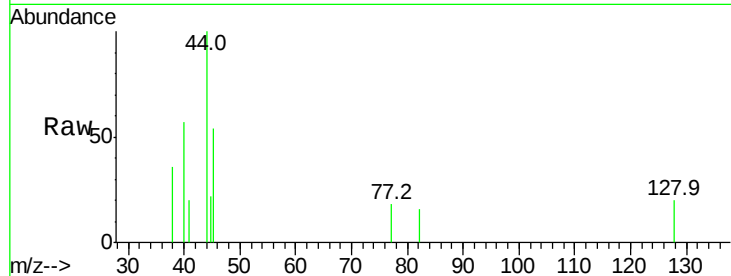
151 76.9 55.3 82.9





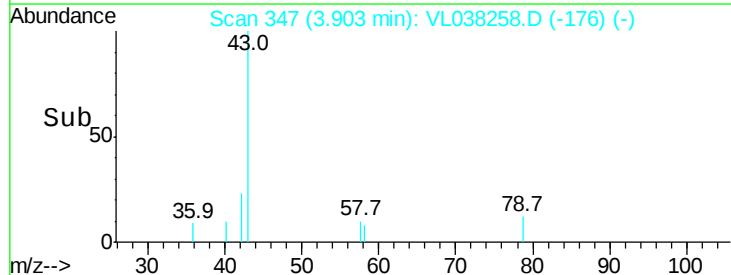
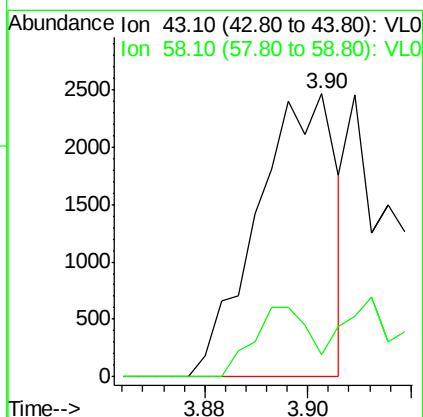
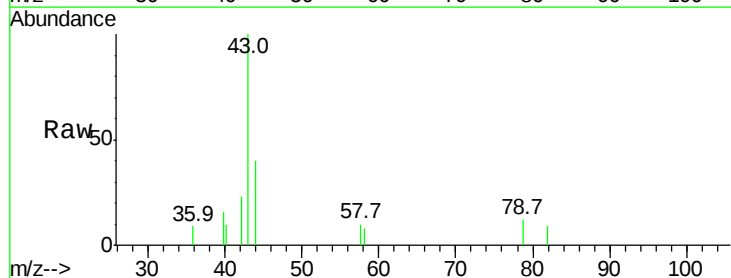
#13
Ethanol
Concen: 0.045 ppbv
RT: 3.64 Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Jan 2022 12:33

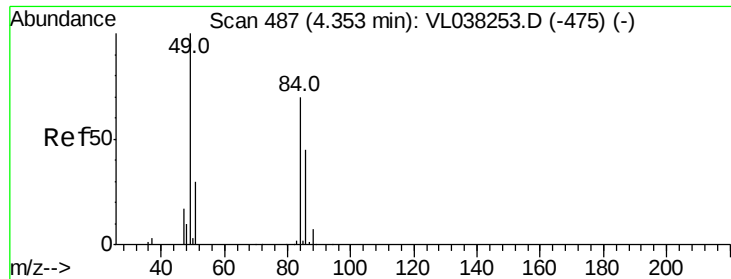
Tgt Ion: 45 Resp: 466
Ion Ratio Lower Upper
45 100
46 0.0 15.4 61.6#



#15
Acetone
Concen: 0.031 ppbv
RT: 3.90 min Scan# 347
Delta R.T. 0.05 min
Lab File: VL038258.D
Acq: 24 Jan 2022 12:33

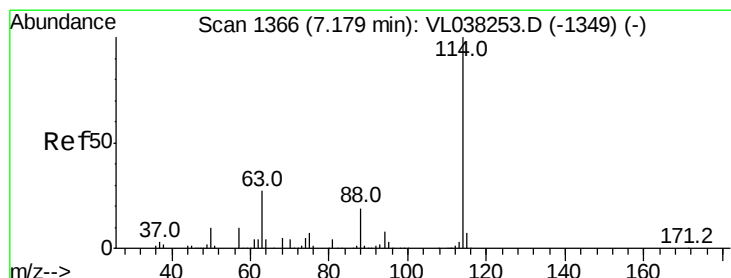
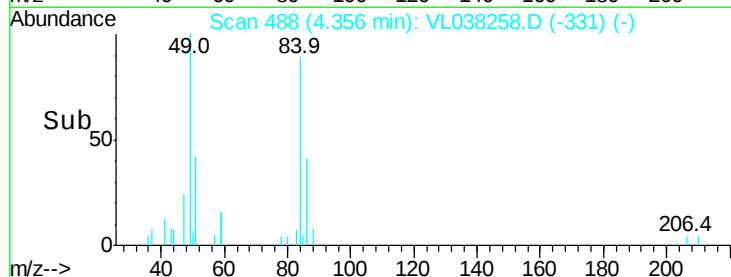
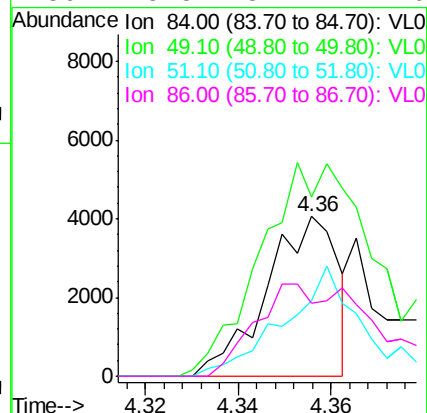
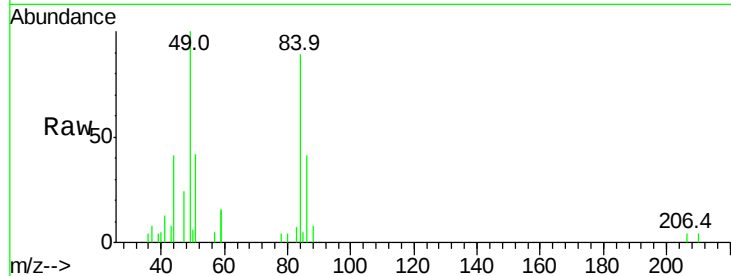
Tgt Ion: 43 Resp: 2601
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#





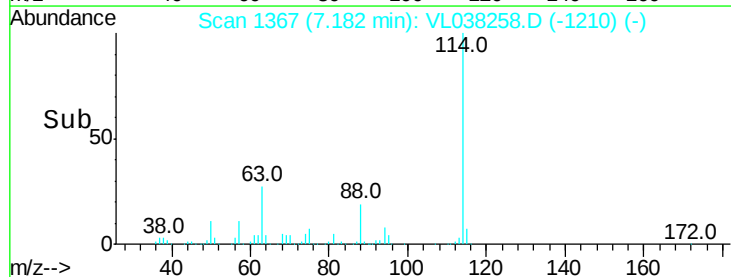
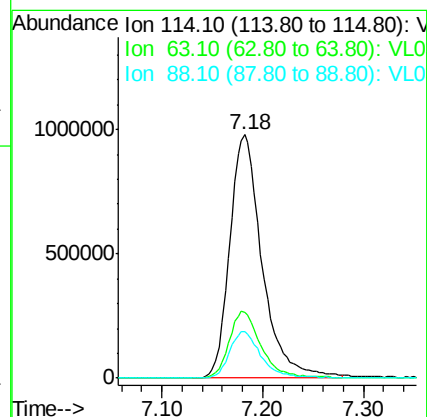
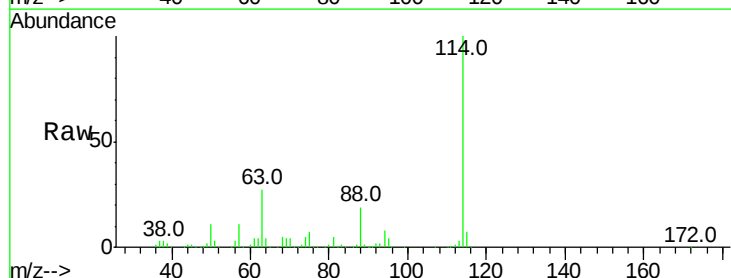
#20
Methylene Chloride
Concen: 0.092 ppbv
RT: 4.36 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 12:33

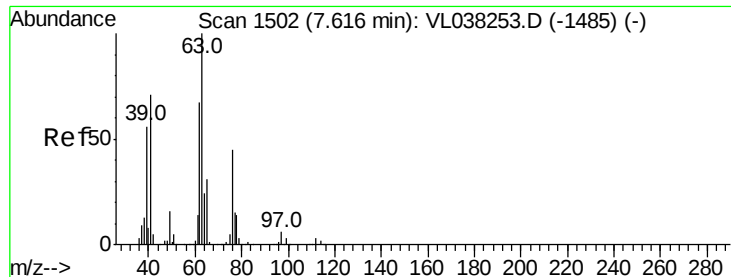
Tgt Ion:	84	Resp:	4343
Ion	Ratio	Lower	Upper
84	100		
49	108.0	115.0	172.6#
51	47.2	35.0	52.6
86	45.8	51.4	77.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL038258.D
Acq: 24 Jan 2022 12:33

Tgt Ion:	114	Resp:	2194315
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.0	33.0
88	19.0	15.0	22.6





#39

1,2-Dichloropropane

Concen: 7.392 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 12:33

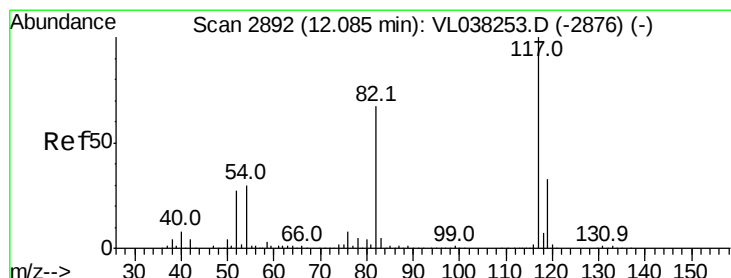
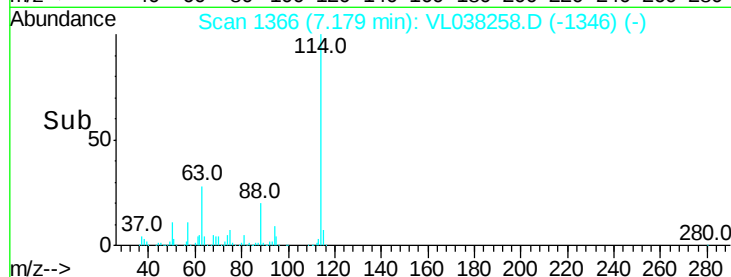
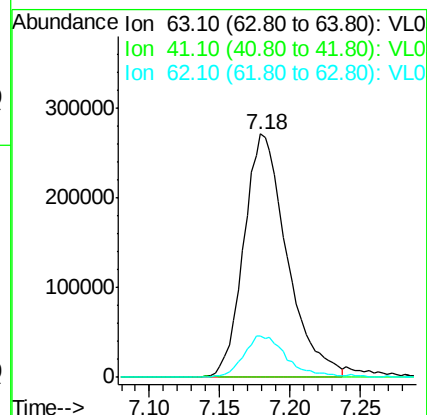
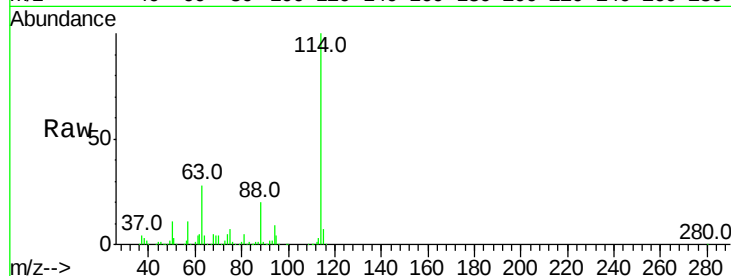
Tgt Ion: 63 Resp: 582278

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

62 17.1 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL038258.D

Acq: 24 Jan 2022 12:33

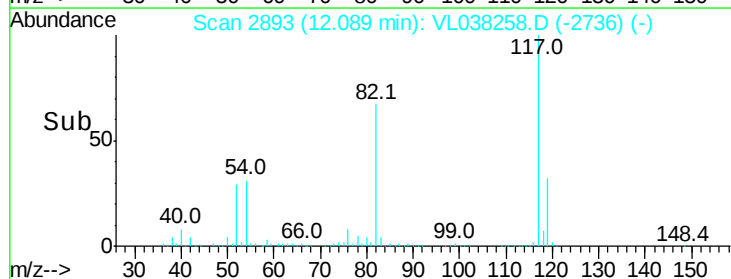
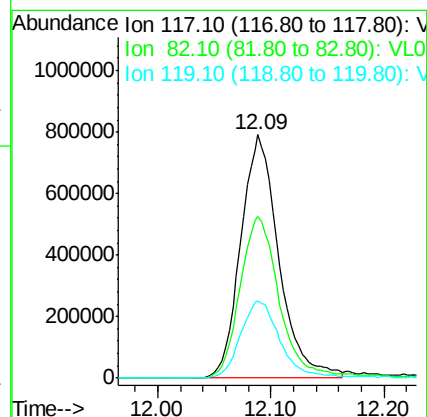
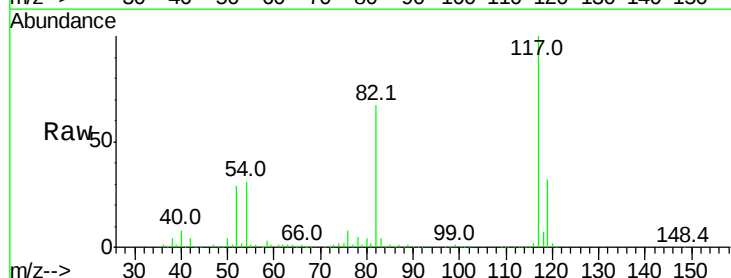
Tgt Ion: 117 Resp: 1854011

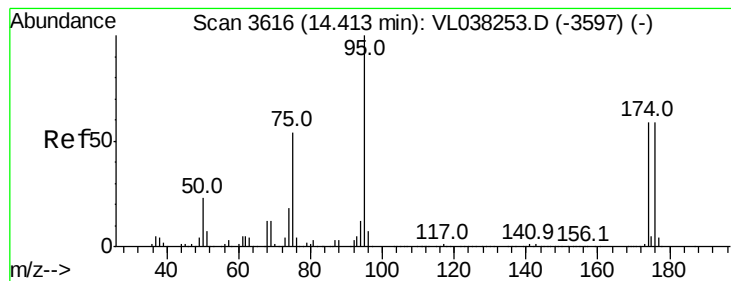
Ion Ratio Lower Upper

117 100

82 69.7 54.4 81.6

119 33.4 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.341 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 12:33

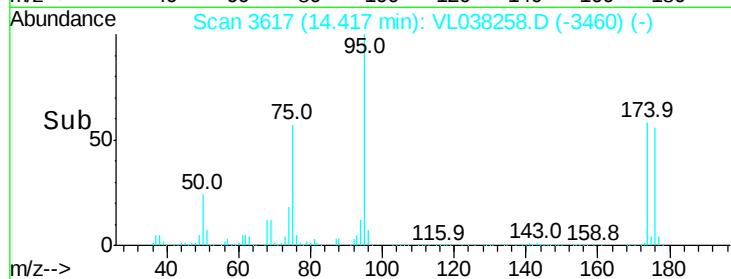
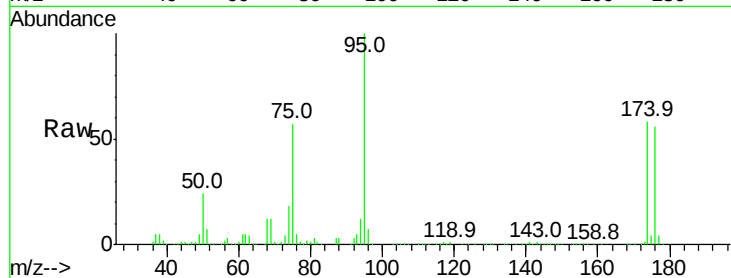
Tgt Ion: 95 Resp: 1334621

Ion Ratio Lower Upper

95 100

174 63.1 48.3 72.5

175 4.5 3.5 5.3



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

