

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036392.D
 Acq On : 25 Feb 2021 21:56
 Operator : SY/AP
 Sample : M1458-13 0.03LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:39:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1471581	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3178695	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2879054	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2277740	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

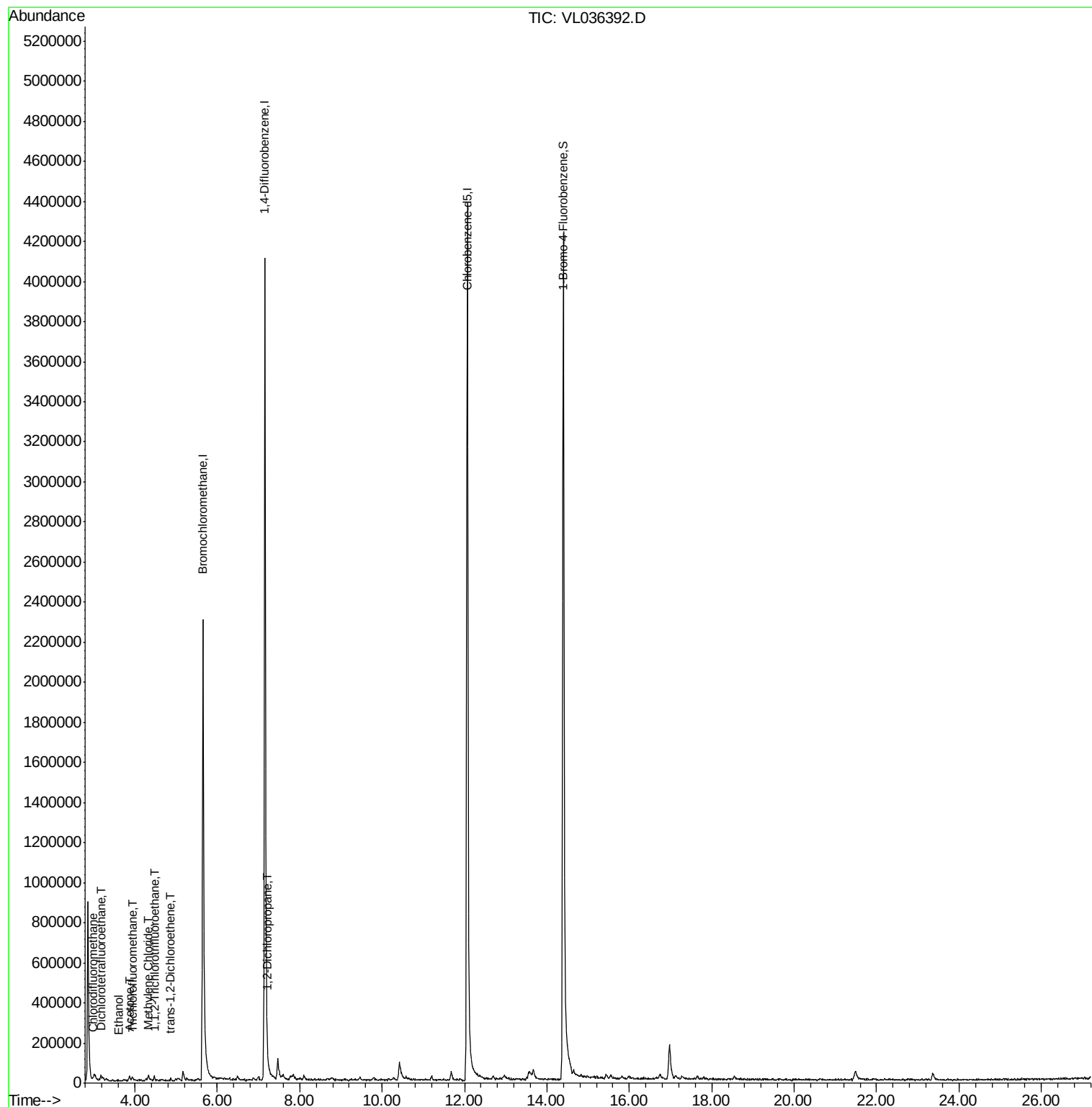
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	10630	0.058	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	9600	0.048	ppbv	84
11) Trichlorofluoromethane	3.93	101	9732	0.045	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4288	0.032	ppbv #	48
13) Ethanol	3.61	45	1002	0.078	ppbv #	32
15) Acetone	3.86	43	12260	0.068	ppbv #	50
20) Methylene Chloride	4.33	84	2861	0.049	ppbv #	41
22) trans-1,2-Dichloroethene	4.87	96	1958	0.036	ppbv #	64
39) 1,2-Dichloropropane	7.22	63	9807	0.089	ppbv #	26

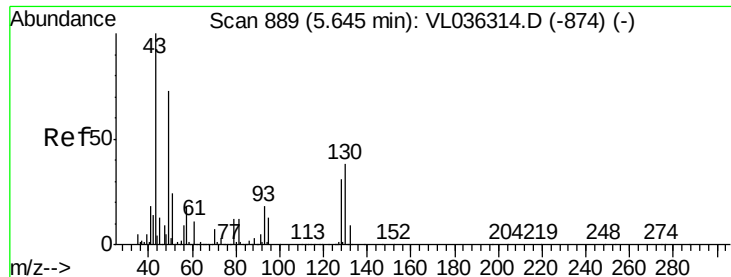
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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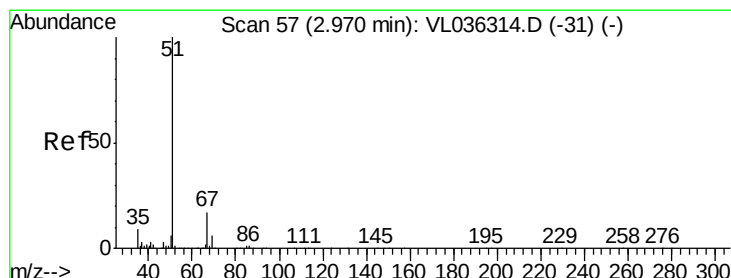
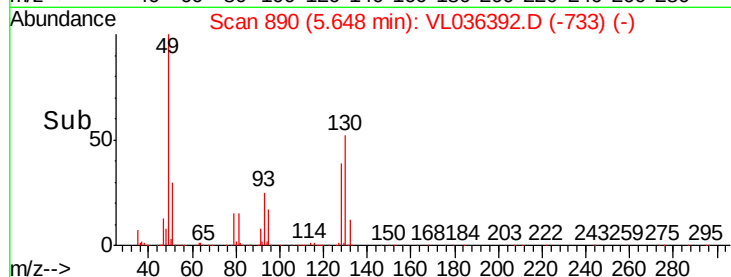
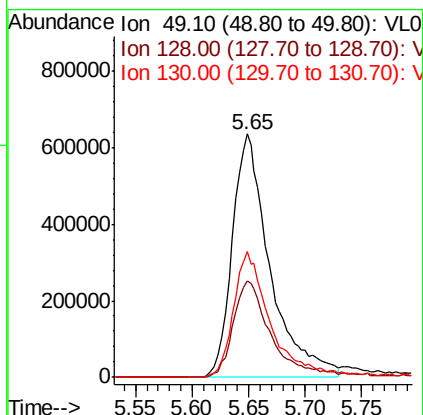
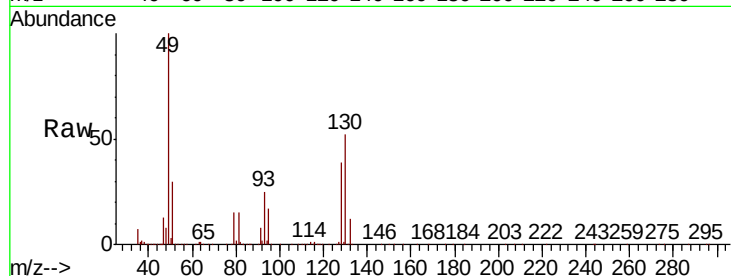




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VL036392.D
 Acq: 25 Feb 2021 21:56

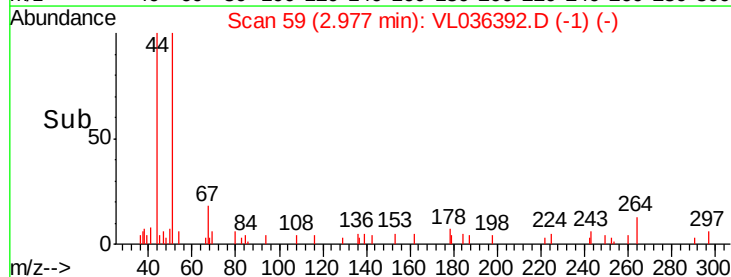
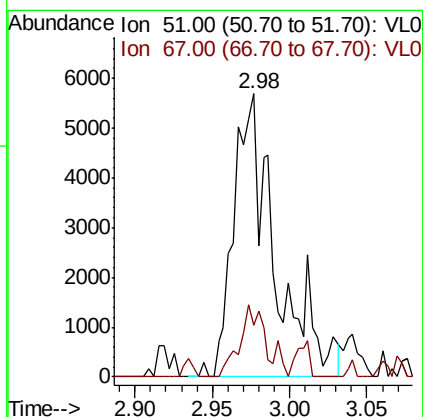
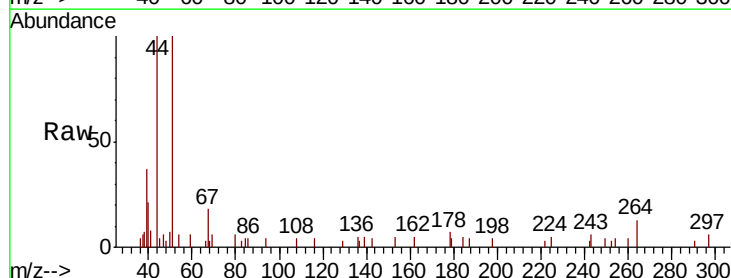
Instrument :
 MSVOA_L
 ClientSampleId :

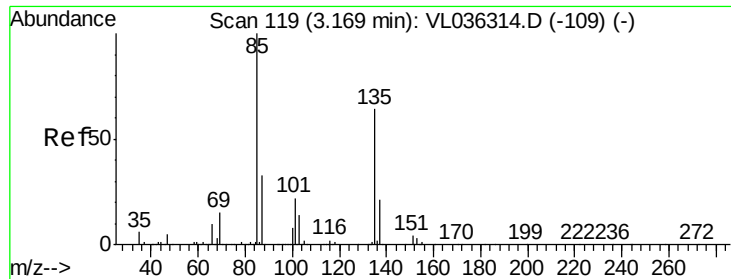
Tot Ion: 49 Resp: 1471581
 Ion Ratio Lower Upper
 49 100
 128 41.7 20.8 62.5
 130 53.1 26.7 80.1



#3
 Chlorodifluoromethane
 Concen: 0.058 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: VL036392.D
 Acq: 25 Feb 2021 21:56

Tgt Ion: 51 Resp: 10630
 Ion Ratio Lower Upper
 51 100
 67 20.1 14.7 22.1





#8

Dichlorotetrafluoroethane

Concen: 0.048 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036392.D

Acq: 25 Feb 2021 21:56

Instrument :

MSVOA_L

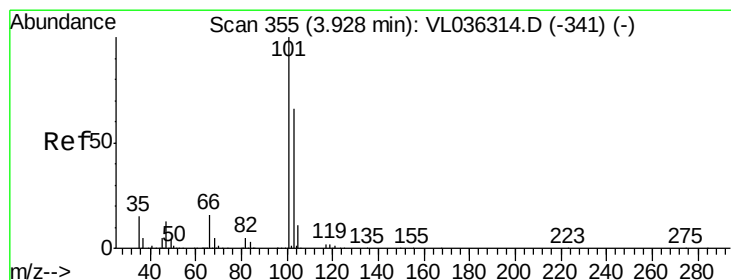
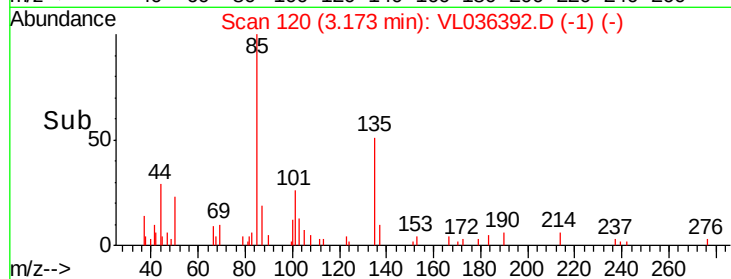
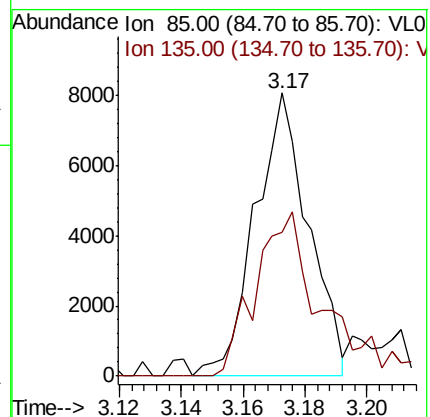
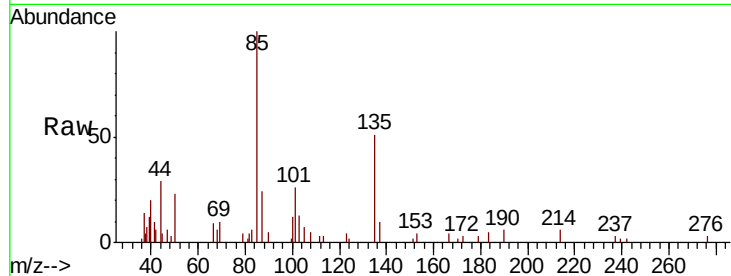
ClientSampleId :

Tot Ion: 85 Resp: 9600

Ion Ratio Lower Upper

85 100

135 76.4 51.1 76.7



#11

Trichlorofluoromethane

Concen: 0.045 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL036392.D

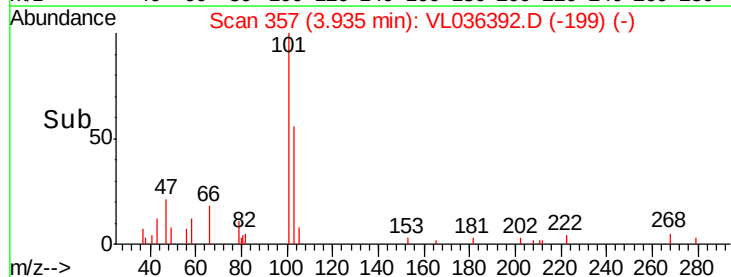
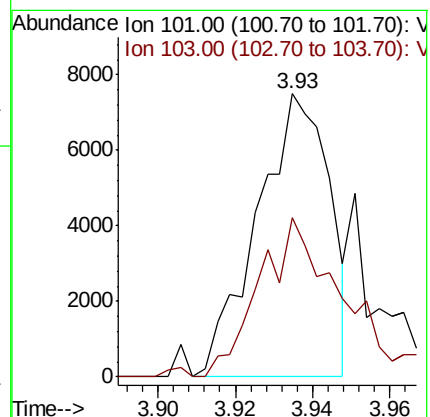
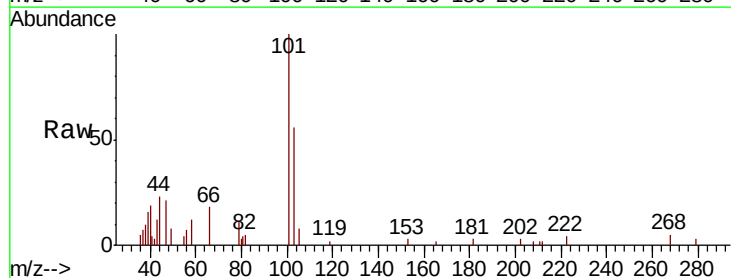
Acq: 25 Feb 2021 21:56

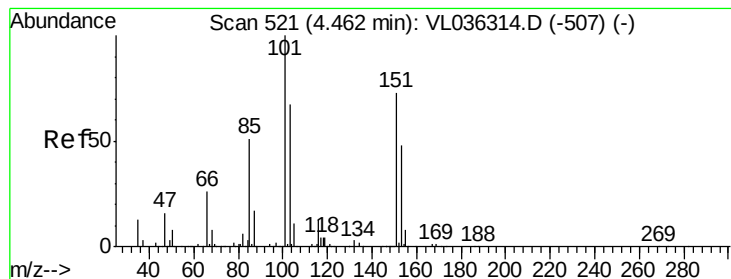
Tgt Ion: 101 Resp: 9732

Ion Ratio Lower Upper

101 100

103 56.2 52.9 79.3





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036392.D

Acq: 25 Feb 2021 21:56

Instrument :

MSVOA_L

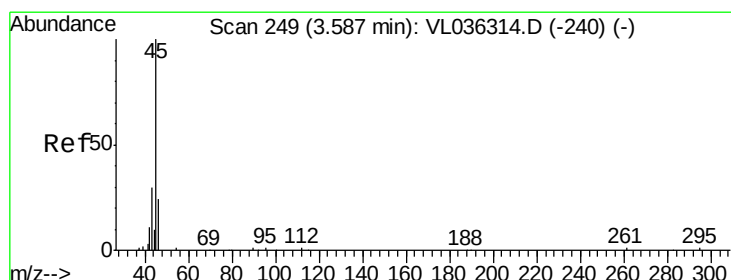
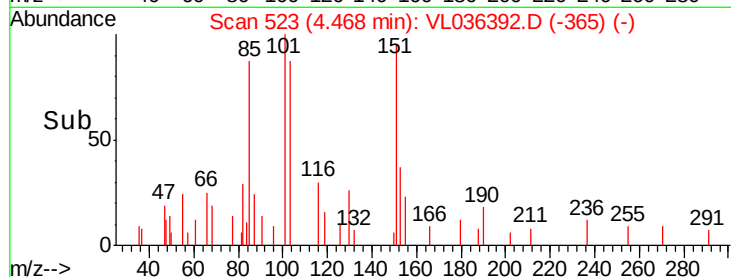
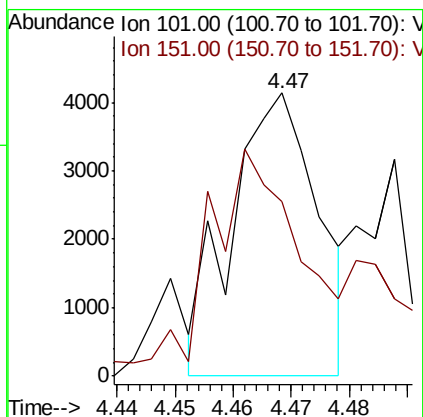
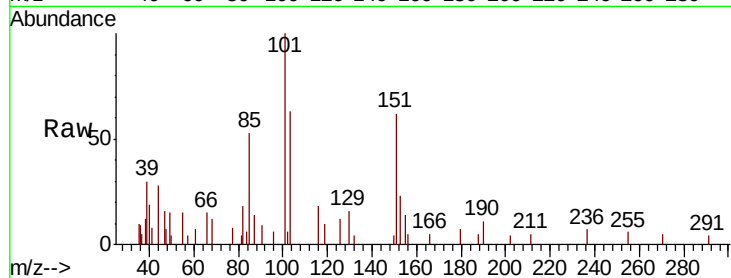
ClientSampled :

Tot Ion:101 Resp: 4288

Ion Ratio Lower Upper

101 100

151 116.4 58.2 87.4#



#13

Ethanol

Concen: 0.078 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.02 min

Lab File: VL036392.D

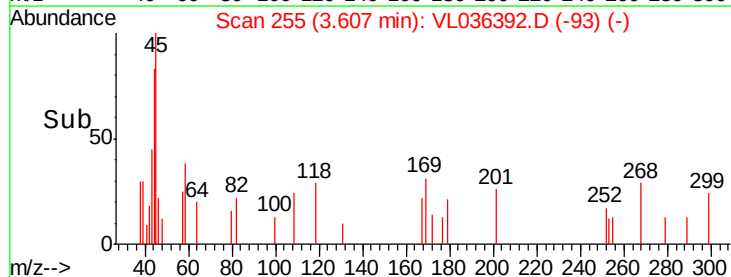
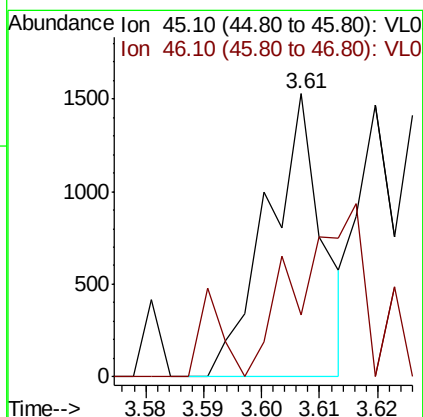
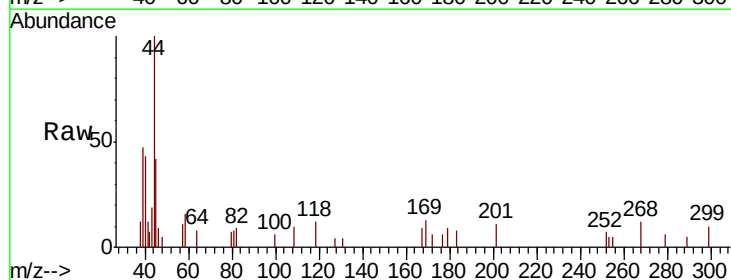
Acq: 25 Feb 2021 21:56

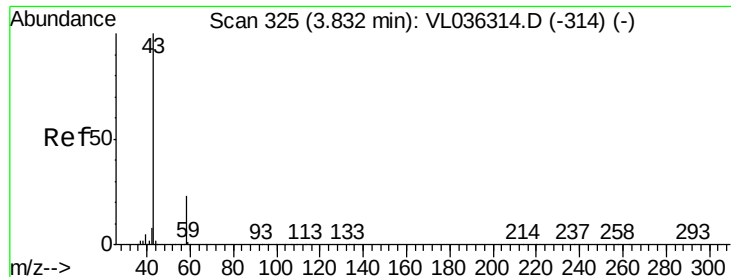
Tgt Ion: 45 Resp: 1002

Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#

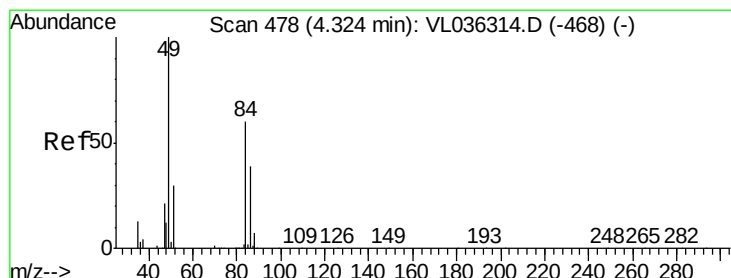
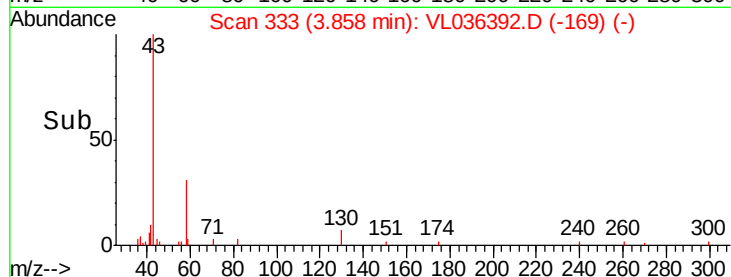
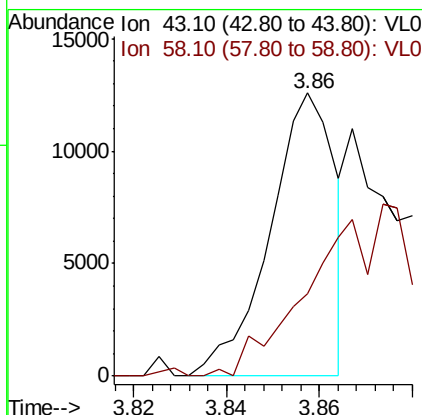
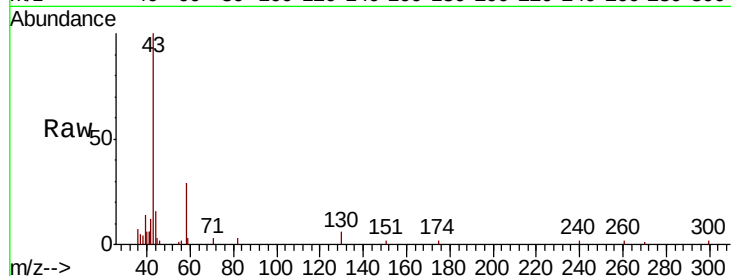




#15
Acetone
Concen: 0.068 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036392.D
Acq: 25 Feb 2021 21:56

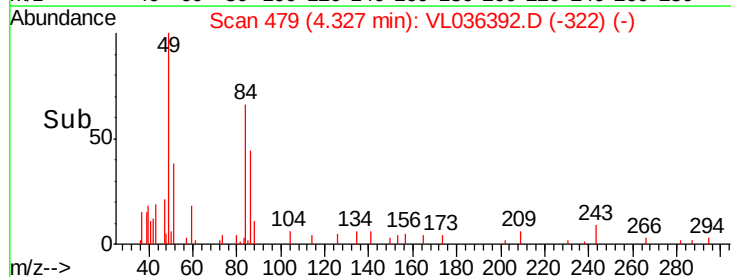
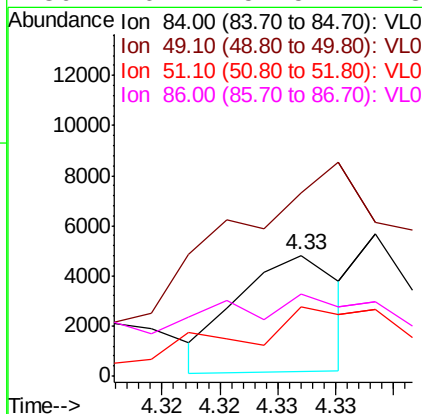
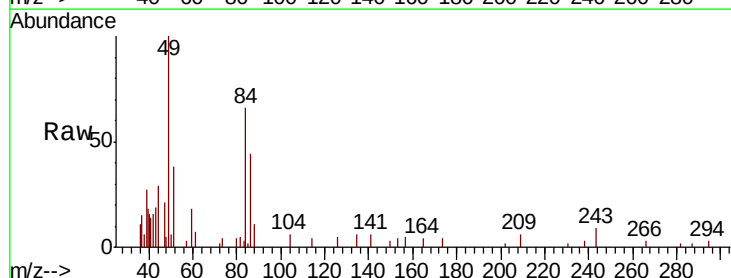
Instrument :
MSVOA_L
ClientSampled :

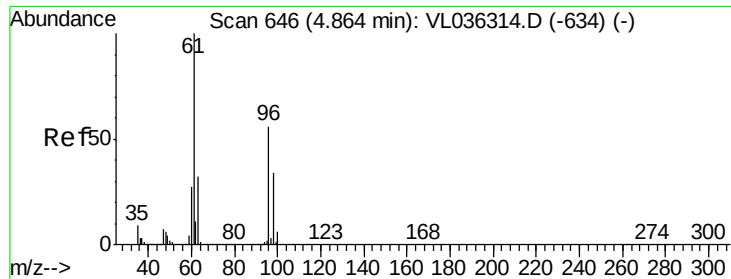
Tot Ion: 43 Resp: 12260
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 0.049 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036392.D
Acq: 25 Feb 2021 21:56

Tgt Ion: 84 Resp: 2861
Ion Ratio Lower Upper
84 100
49 70.8 133.8 200.8#
51 28.2 41.4 62.0#
86 26.2 51.5 77.3#





#22

trans-1,2-Dichloroethene

Concen: 0.036 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL036392.D

Acq: 25 Feb 2021 21:56

Instrument :

MSVOA_L

ClientSampleId :

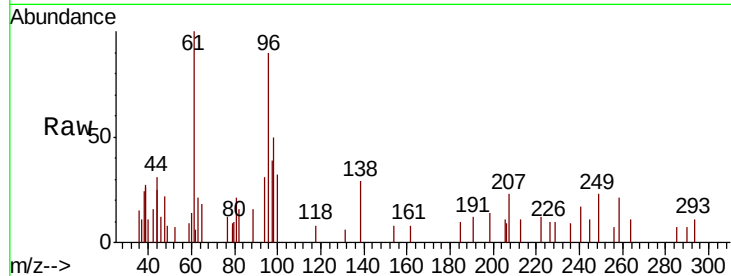
Tot Ion: 96 Resp: 1958

Ion Ratio Lower Upper

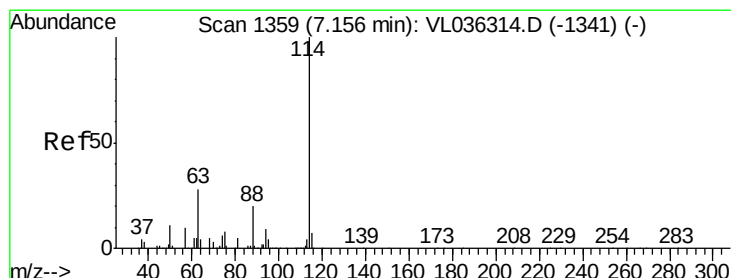
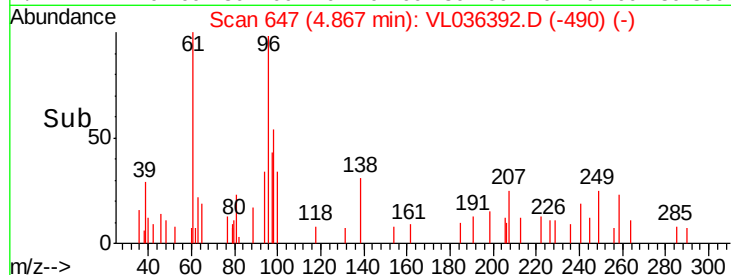
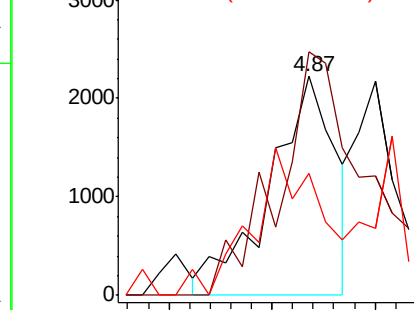
96 100

61 120.6 143.7 215.5#

98 47.0 48.5 72.7#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036392.D

Acq: 25 Feb 2021 21:56

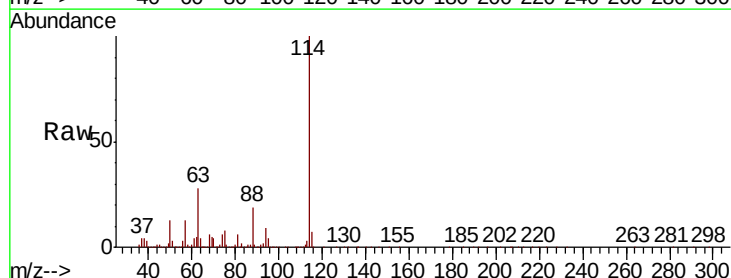
Tgt Ion: 114 Resp: 3178695

Ion Ratio Lower Upper

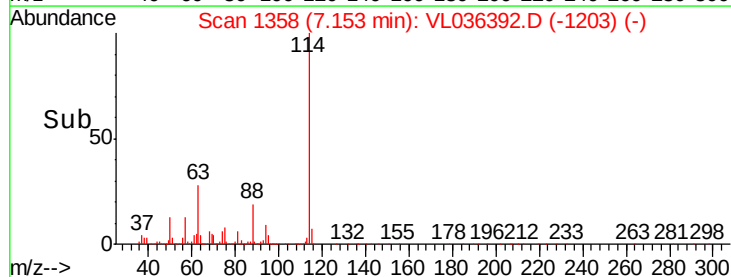
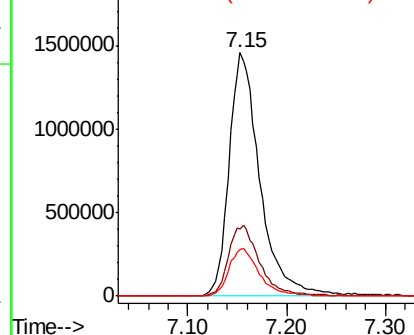
114 100

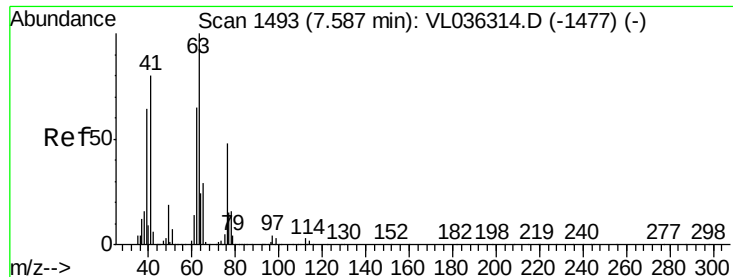
63 30.0 24.1 36.1

88 19.3 16.0 24.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

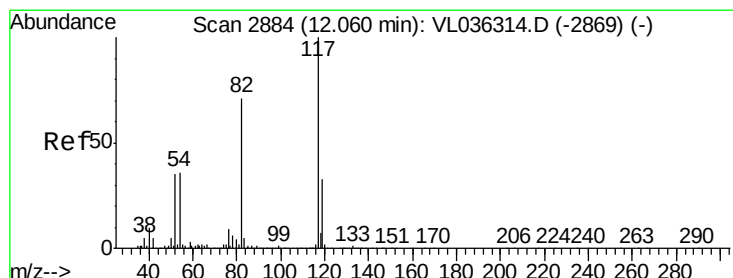
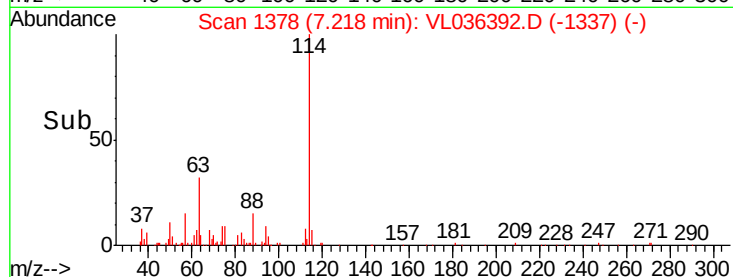
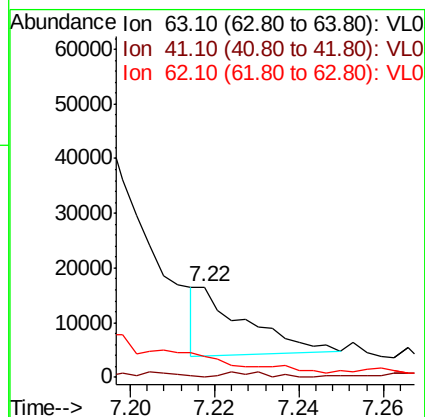
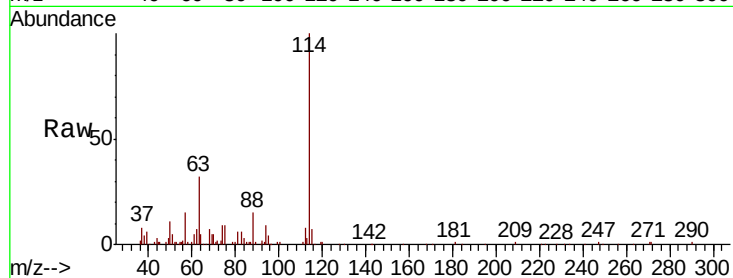




#39
 1,2-Dichloropropane
 Concen: 0.089 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.37 min
 Lab File: VL036392.D
 Acq: 25 Feb 2021 21:56

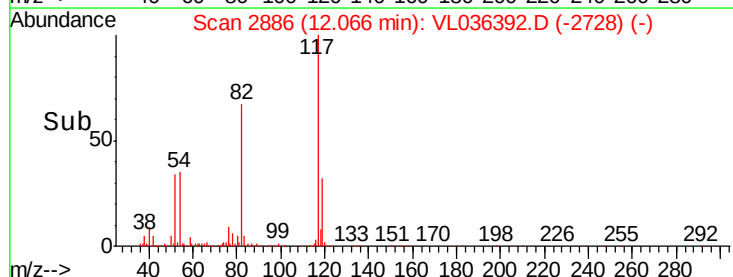
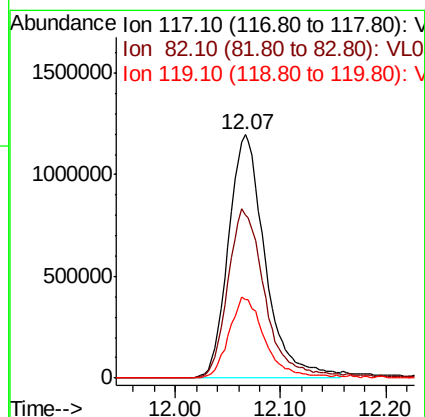
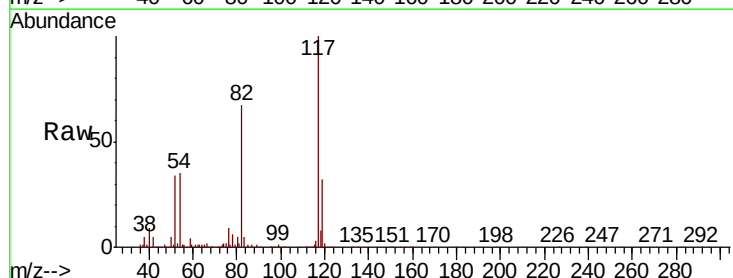
Instrument :
 MSVOA_L
 ClientSampled :

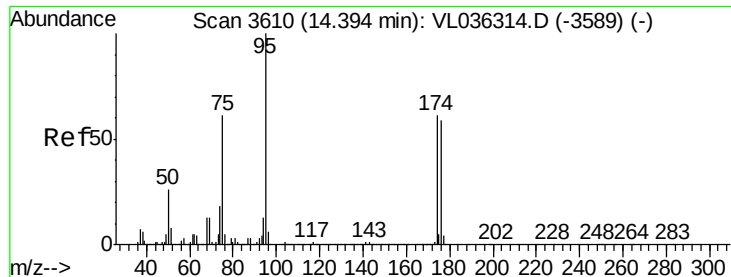
Tot Ion: 63 Resp: 9807
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 22.6 52.3 78.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. 0.01 min
 Lab File: VL036392.D
 Acq: 25 Feb 2021 21:56

Tgt Ion: 117 Resp: 2879054
 Ion Ratio Lower Upper
 117 100
 82 72.7 59.1 88.7
 119 33.5 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.616 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036392.D

Acq: 25 Feb 2021 21:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2277740

Ion Ratio Lower Upper

95 100

174 62.8 49.8 74.6

175 4.6 3.7 5.5

