

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036576.D
 Acq On : 30 Mar 2021 19:13
 Operator : SY/AP
 Sample : M1797-05DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:16:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1384086	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3246138	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2887223	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2352982	10.23	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

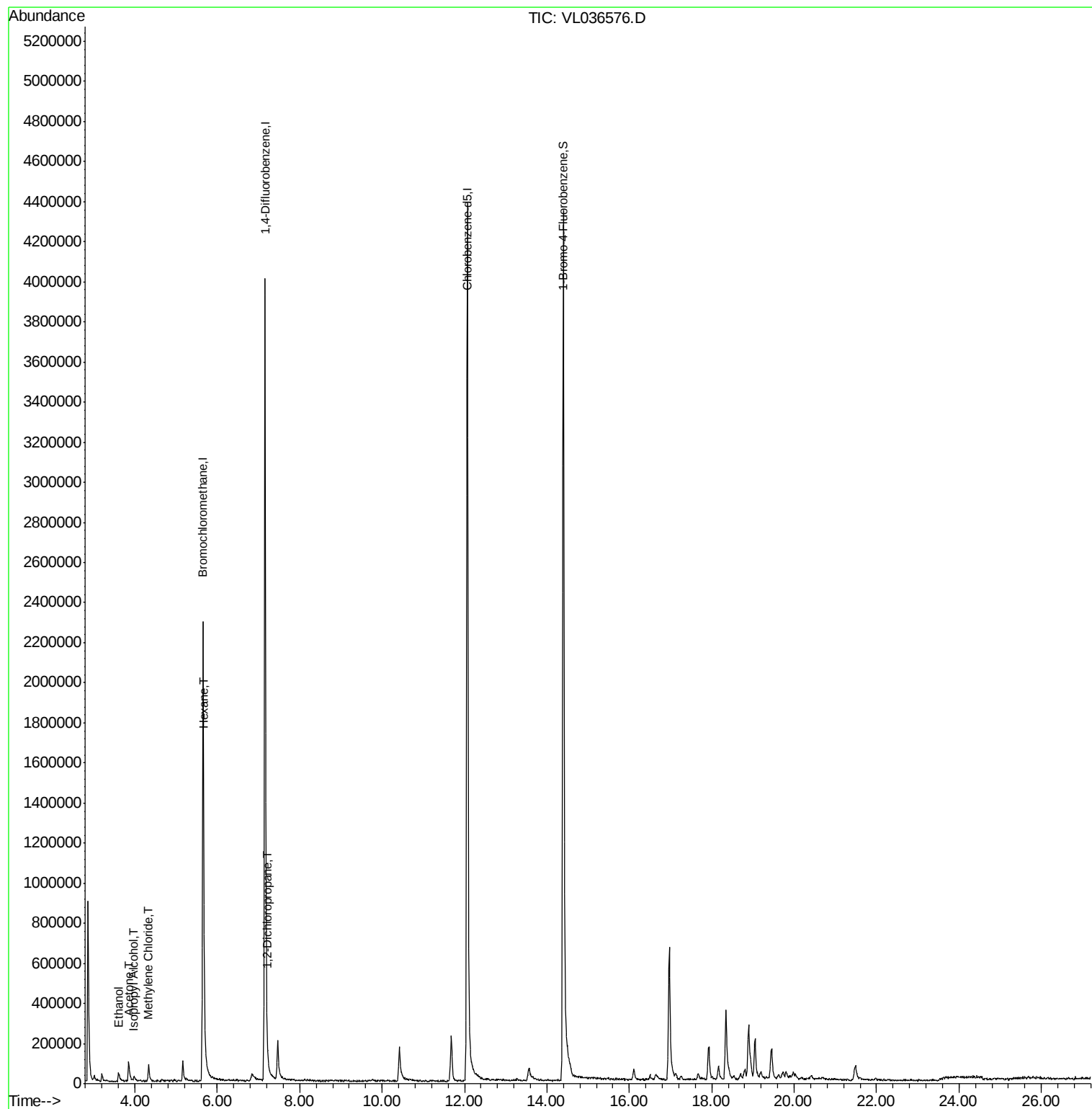
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	13478	1.373	ppbv #	34
15) Acetone	3.85	43	123820	0.909	ppbv #	68
19) Isopropyl Alcohol	3.97	45	8677	0.116	ppbv #	89
20) Methylene Chloride	4.34	84	34144	0.535	ppbv #	84
26) Hexane	5.67	57	21657	0.144	ppbv #	45
39) 1,2-Dichloropropane	7.21	63	11369	0.094	ppbv #	13

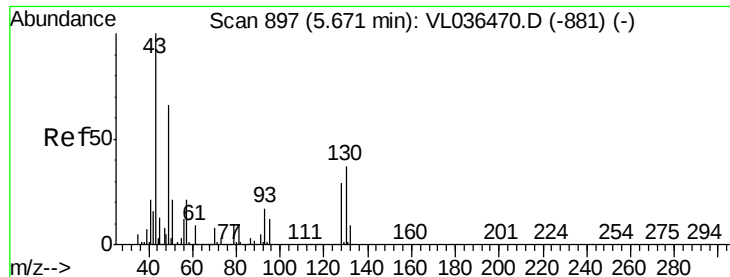
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033021\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036576.D

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Instrument :

MSVOA_L

ClientSampleId :

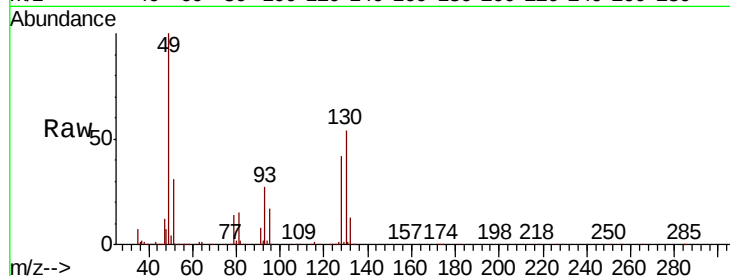
Tot Ion: 49 Resp: 1384086

Ion Ratio Lower Upper

49 100

128 45.6 23.5 70.6

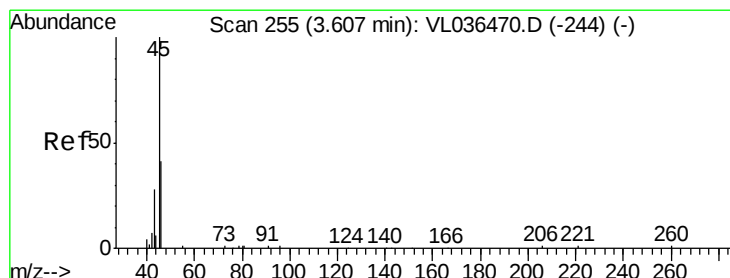
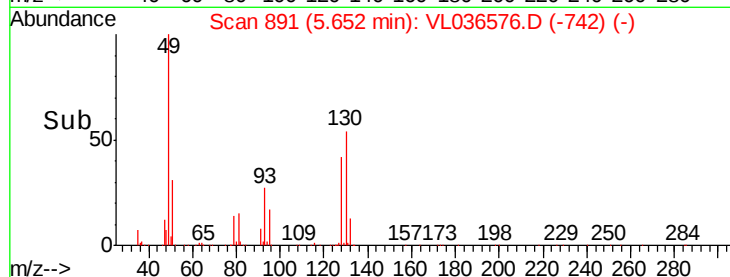
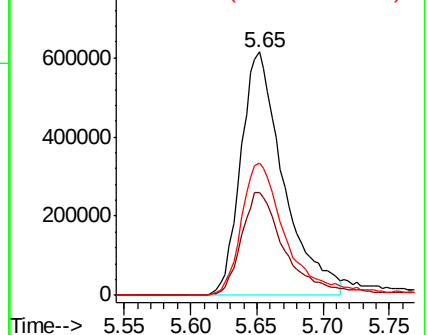
130 59.1 29.1 87.4



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



#13

Ethanol

Concen: 1.373 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036576.D

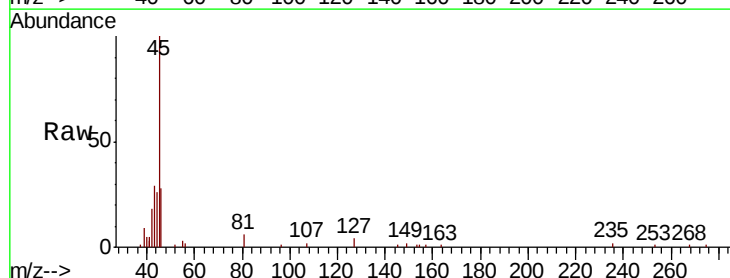
Acq: 30 Mar 2021 19:13

Tgt Ion: 45 Resp: 13478

Ion Ratio Lower Upper

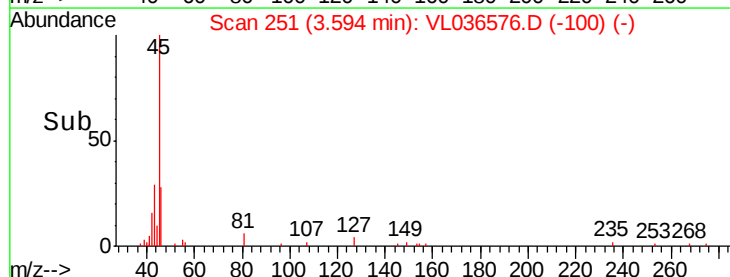
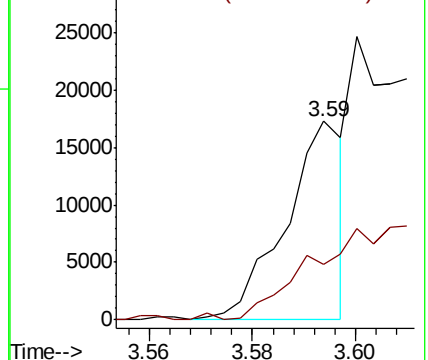
45 100

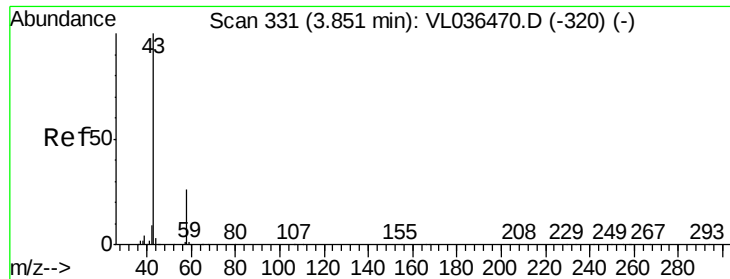
46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.909 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036576.D

Acq: 30 Mar 2021 19:13

Instrument :

MSVOA_L

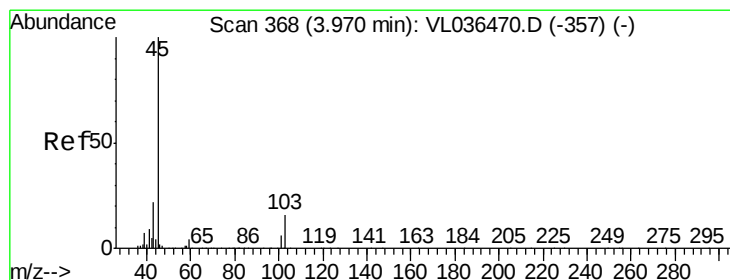
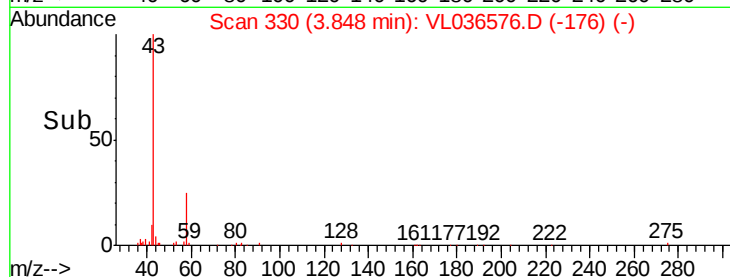
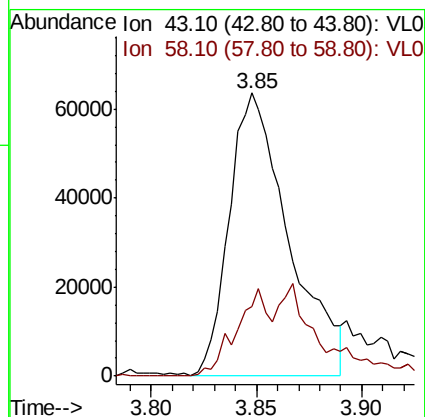
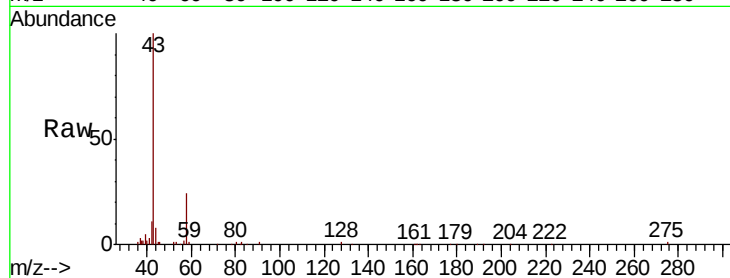
ClientSampleId :

Tot Ion: 43 Resp: 123820

Ion Ratio Lower Upper

43 100

58 43.0 21.2 31.8#



#19

Isopropyl Alcohol

Concen: 0.116 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036576.D

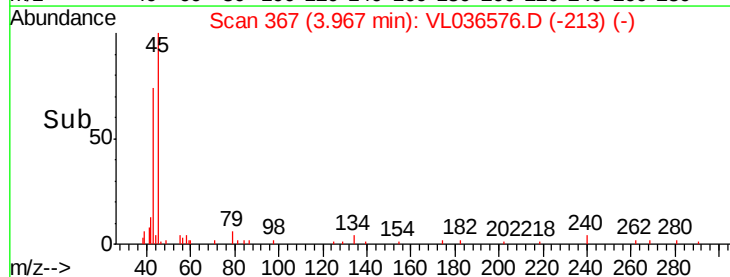
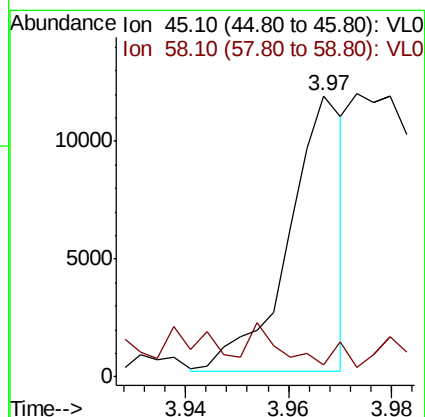
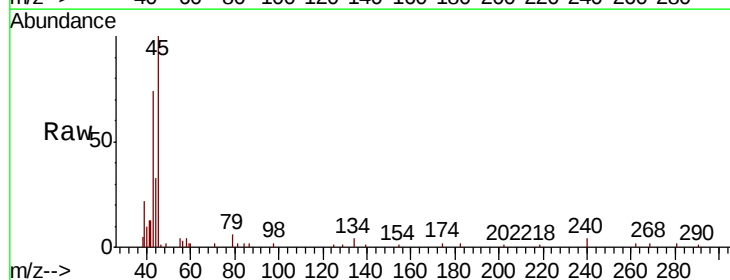
Acq: 30 Mar 2021 19:13

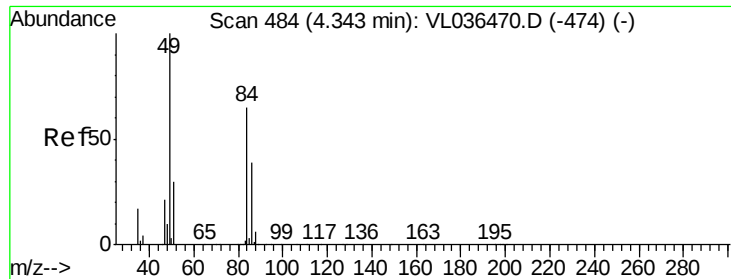
Tgt Ion: 45 Resp: 8677

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

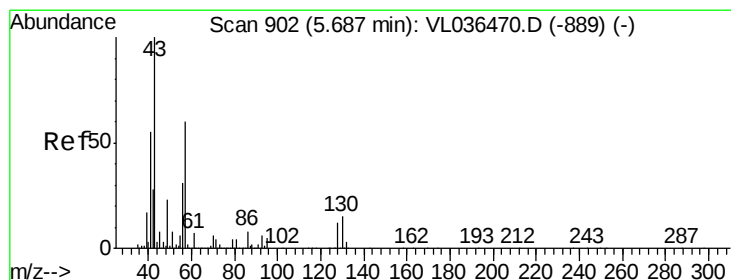
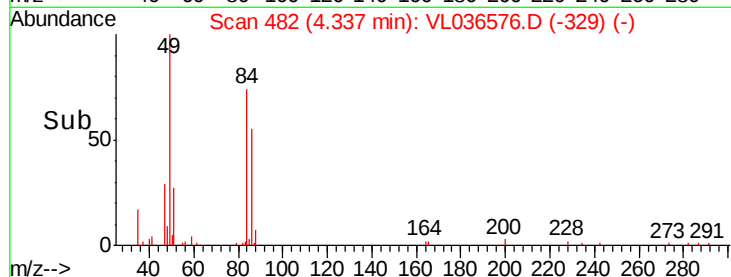
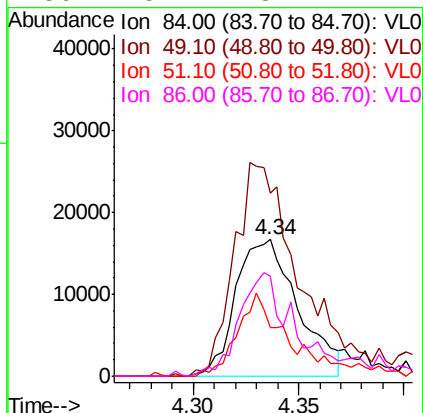
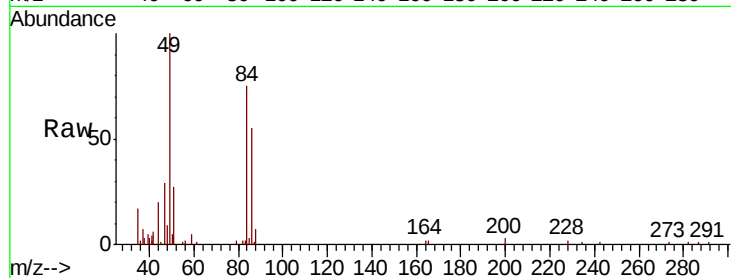




#20
Methvlene Chloride
Concen: 0.535 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036576.D
Acq: 30 Mar 2021 19:13

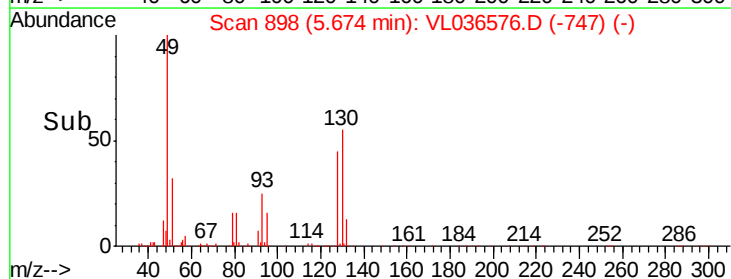
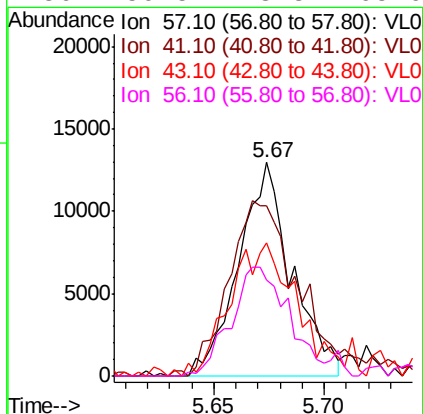
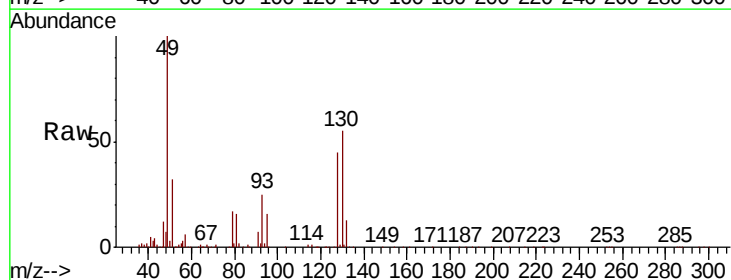
Instrument :
MSVOA_L
ClientSampleId :

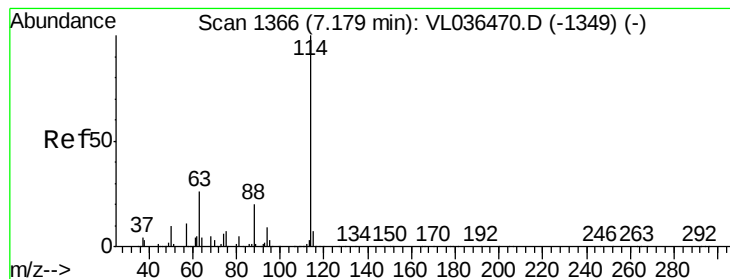
Tot Ion: 84 Resp: 34144
Ion Ratio Lower Upper
84 100
49 133.9 122.9 184.3
51 35.6 36.9 55.3#
86 73.7 48.2 72.4#



#26
Hexane
Concen: 0.144 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036576.D
Acq: 30 Mar 2021 19:13

Tgt Ion: 57 Resp: 21657
Ion Ratio Lower Upper
57 100
41 111.6 77.2 115.8
43 81.9 173.8 260.6#
56 59.5 43.8 65.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL036576.D

Acq: 30 Mar 2021 19:13

Instrument :

MSVOA_L

ClientSampleId :

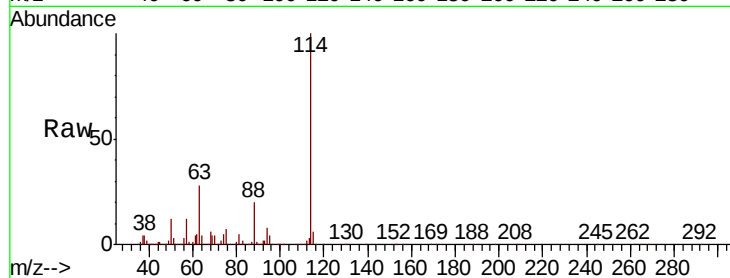
Tot Ion:114 Resp: 3246138

Ion Ratio Lower Upper

114 100

63 28.2 22.4 33.6

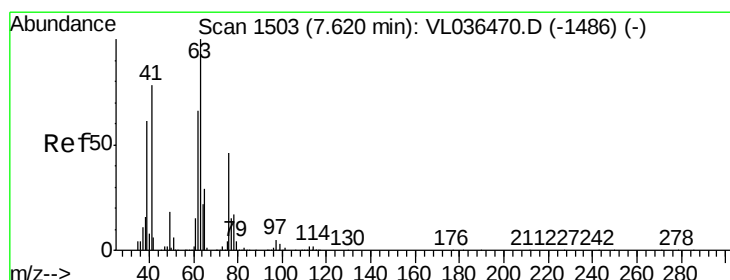
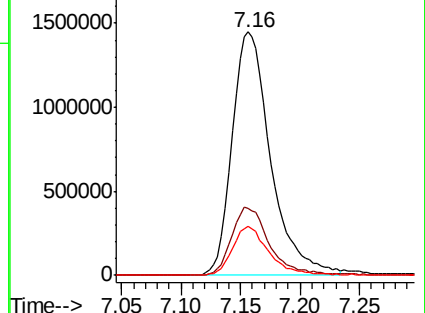
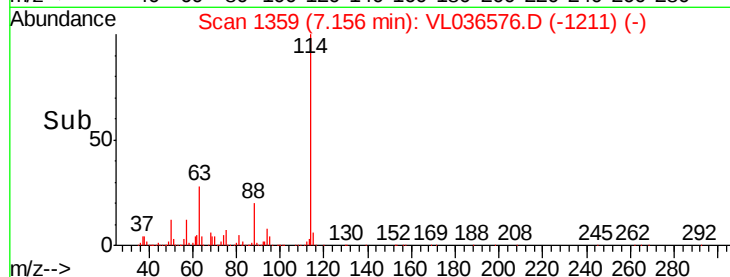
88 19.4 15.4 23.0



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: 0.094 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.41 min

Lab File: VL036576.D

Acq: 30 Mar 2021 19:13

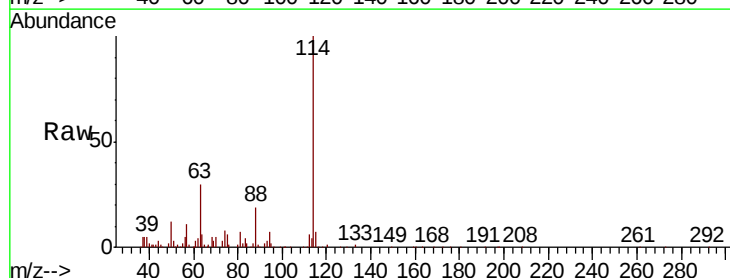
Tgt Ion: 63 Resp: 11369

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

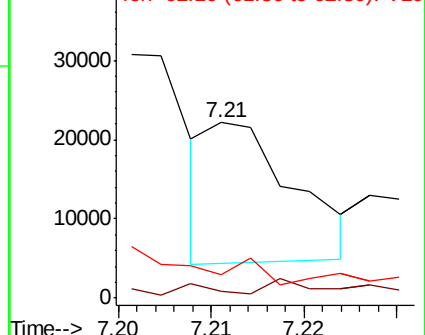
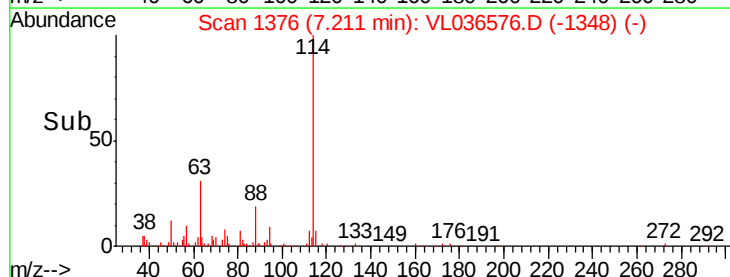
62 0.0 52.8 79.2#

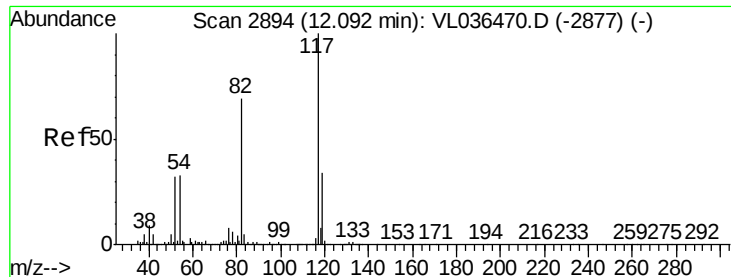


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

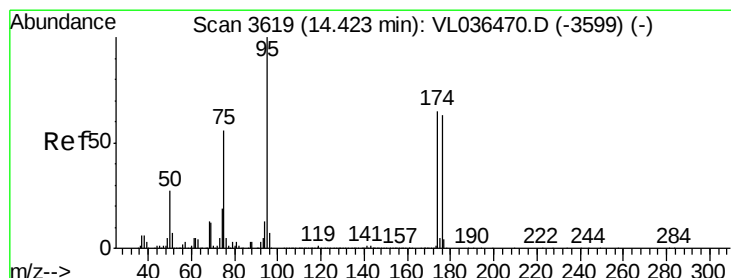
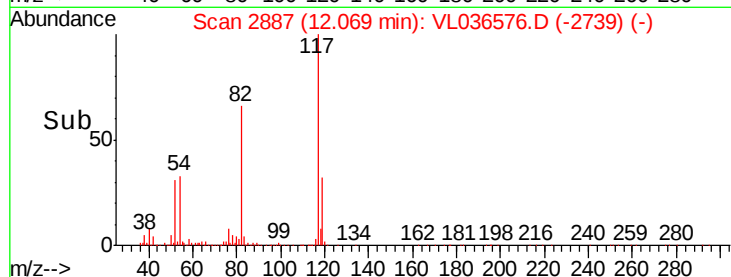
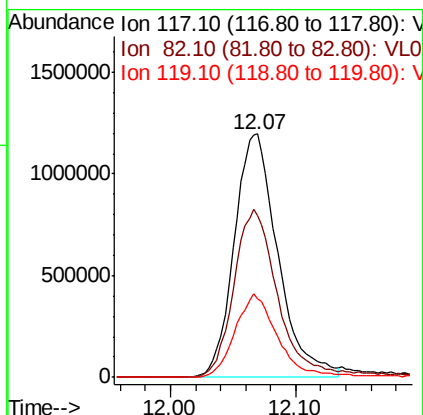
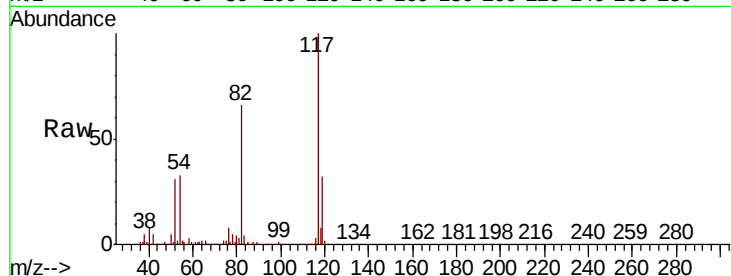




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.02 min
Lab File: VL036576.D
Acq: 30 Mar 2021 19:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2887223
Ion Ratio Lower Upper
117 100
82 71.5 57.4 86.0
119 33.8 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.225 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036576.D
Acq: 30 Mar 2021 19:13

Tgt Ion: 95 Resp: 2352982
Ion Ratio Lower Upper
95 100
174 64.0 51.0 76.6
175 4.5 3.9 5.9

