

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037296.D
 Acq On : 30 Jul 2021 23:09
 Operator : SY/AP
 Sample : VL0730ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 31 01:29:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1097353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3574822	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3052105	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2254844	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

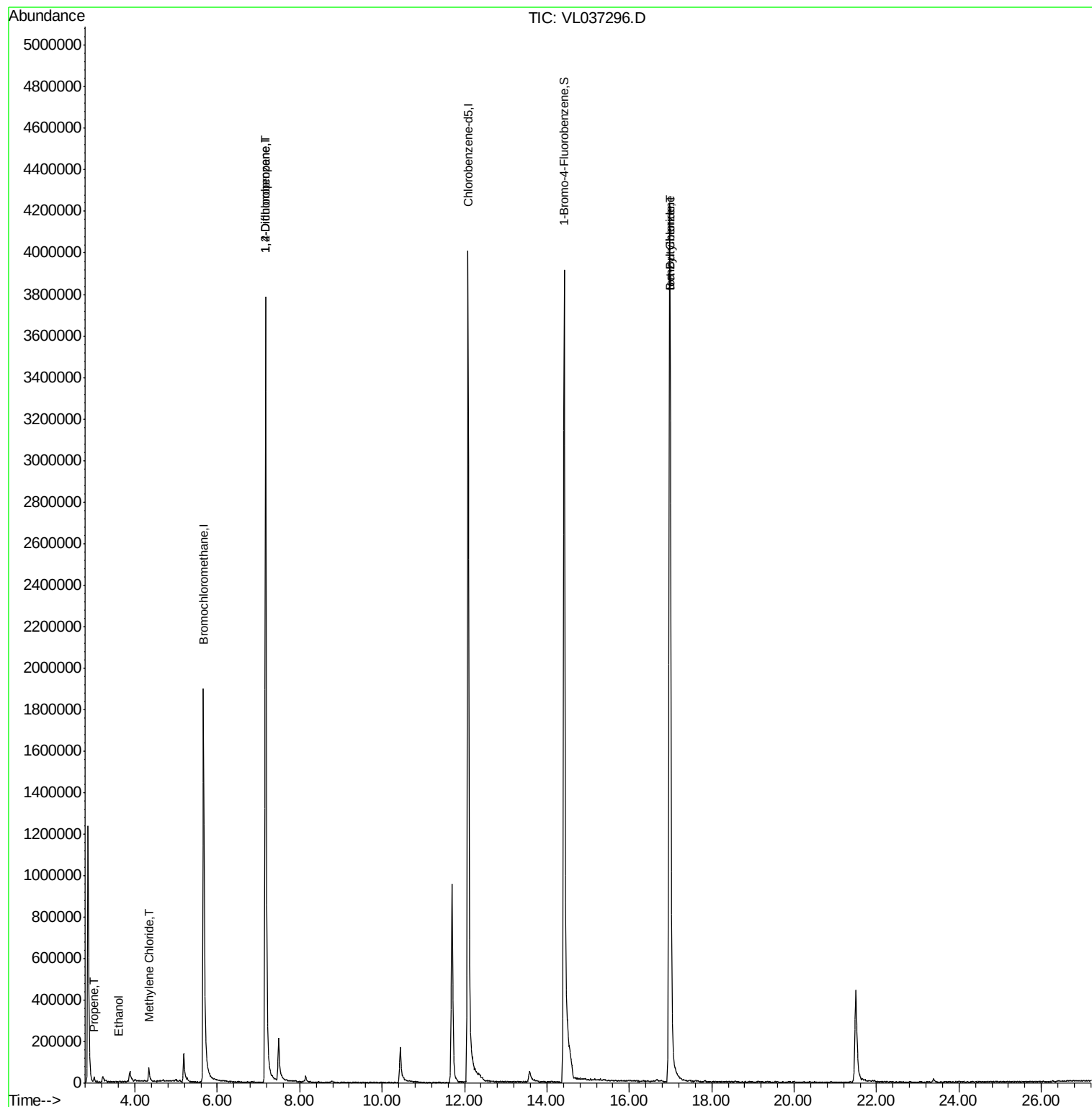
Target Compounds					Ovalue
9) Propene	3.00	41	3921	0.053 ppbv #	38
13) Ethanol	3.63	45	1525	0.094 ppbv #	48
20) Methylene Chloride	4.34	84	21243	0.278 ppbv #	89
39) 1,2-Dichloropropane	7.17	63	798061	7.012 ppbv #	26
65) tert-Butylbenzene	16.98	119	54195	0.120 ppbv #	34
66) Benzyl Chloride	16.98	91	824	0.037 ppbv #	1

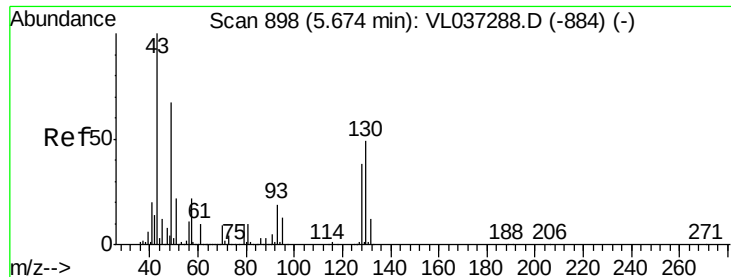
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037296.D

Acq: 30 Jul 2021 23:09

Instrument :
MSVOA_L
ClientSampleId :

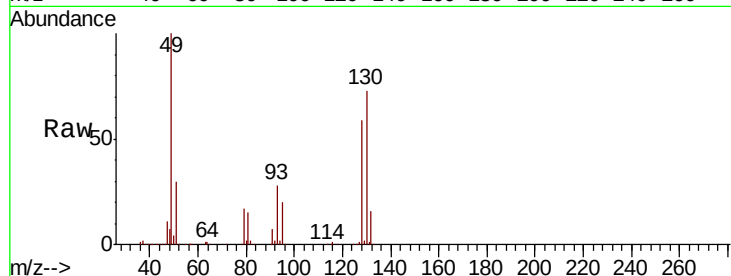
Tot Ion: 49 Resp: 1097353

Ion Ratio Lower Upper

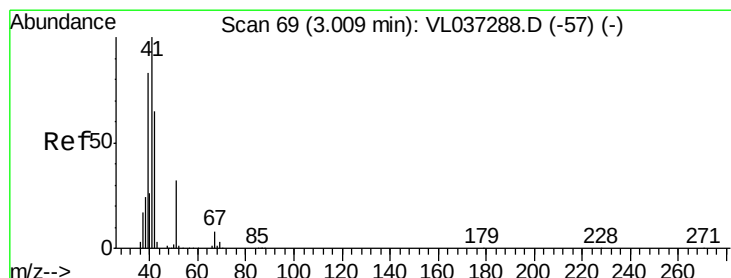
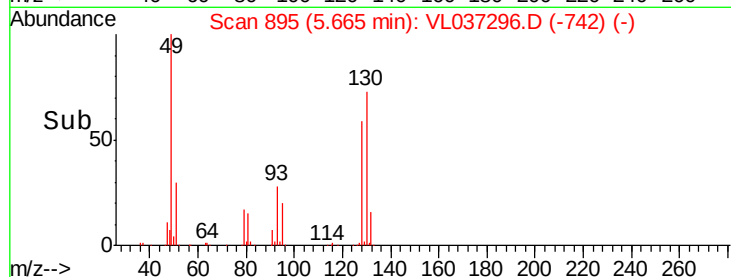
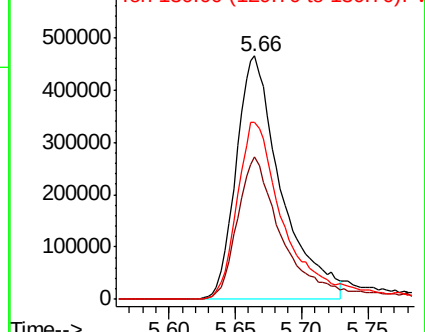
49 100

128 62.5 30.6 92.0

130 80.0 37.8 113.4



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



#9

Propene

Concen: 0.053 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037296.D

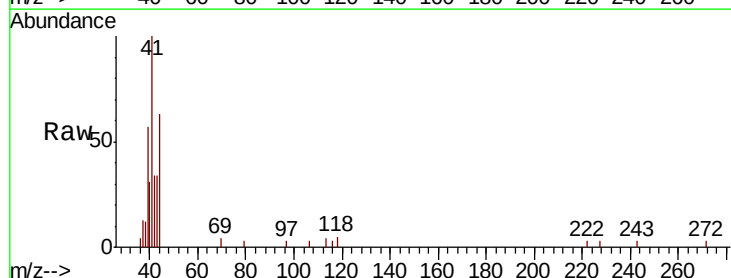
Acq: 30 Jul 2021 23:09

Tgt Ion: 41 Resp: 3921

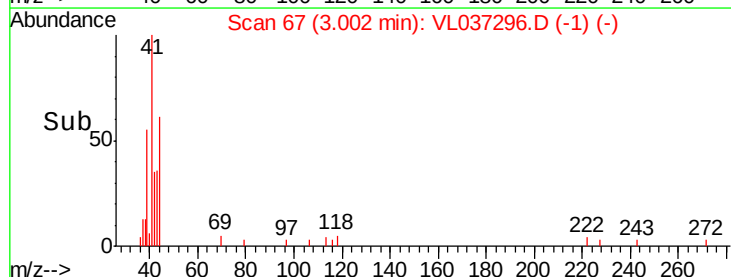
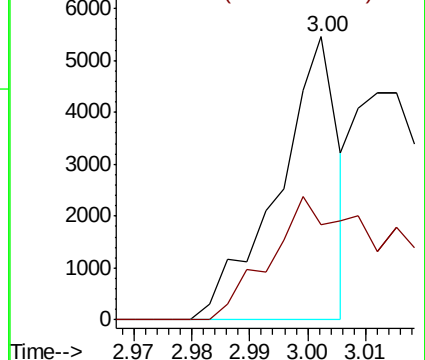
Ion Ratio Lower Upper

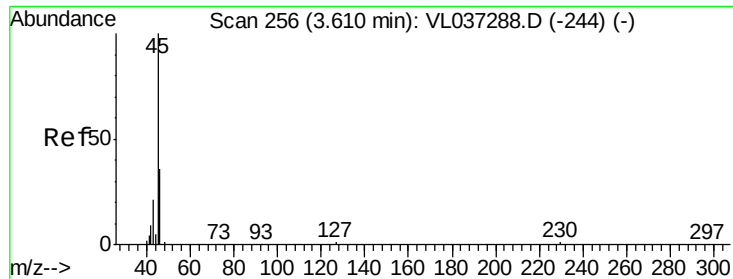
41 100

42 117.5 54.0 81.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

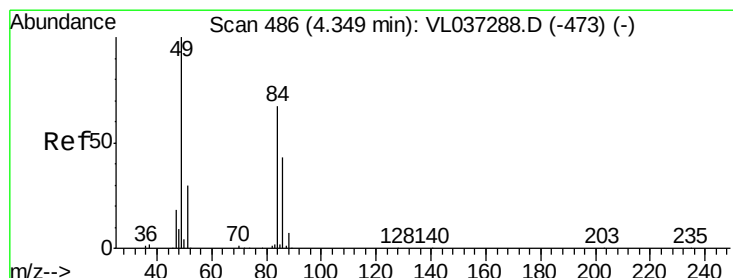
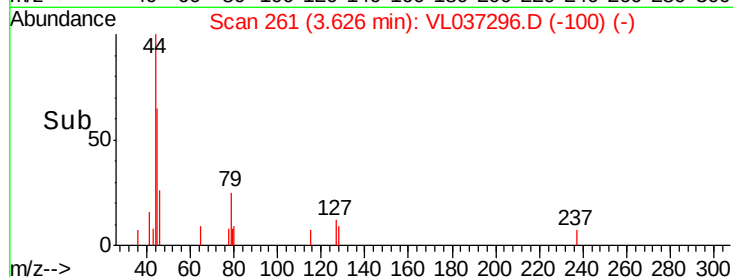
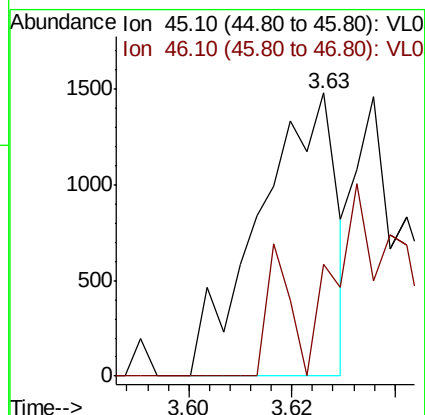
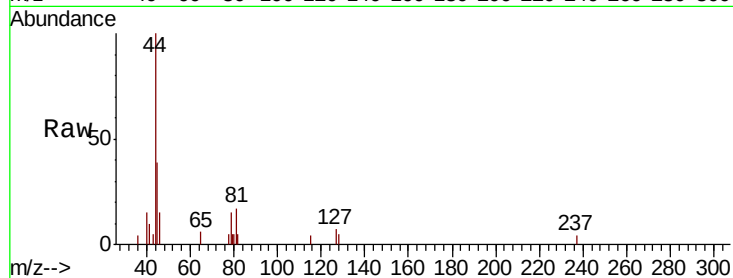




#13
Ethanol
Concen: 0.094 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

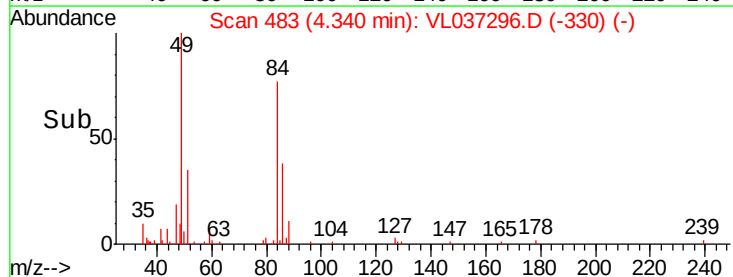
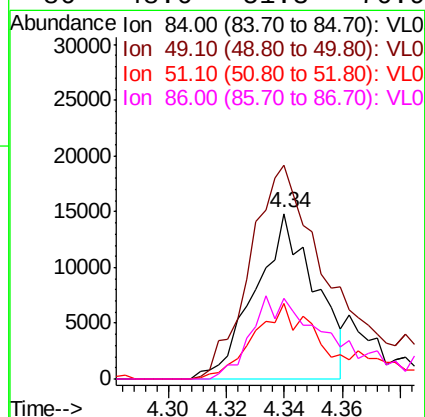
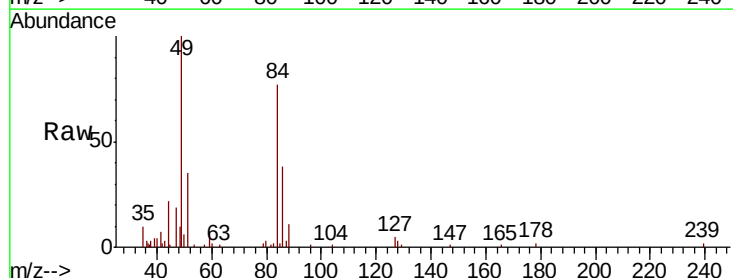
Instrument :
MSVOA_L
ClientSampleId :

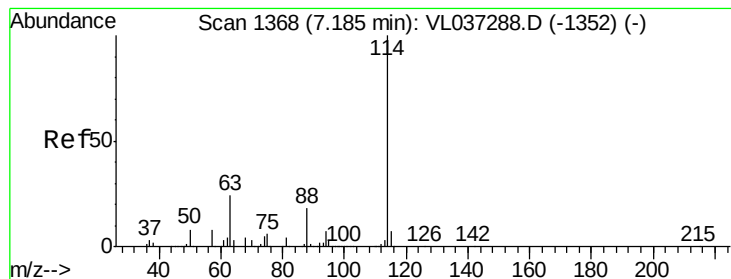
Tot Ion: 45 Resp: 1525
Ion Ratio Lower Upper
45 100
46 8.3 16.2 64.8#



#20
Methylene Chloride
Concen: 0.278 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

Tgt Ion: 84 Resp: 21243
Ion Ratio Lower Upper
84 100
49 137.4 120.2 180.4
51 45.6 36.5 54.7
86 48.6 51.3 76.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL037296.D

Acq: 30 Jul 2021 23:09

Instrument :

MSVOA_L

ClientSampleId :

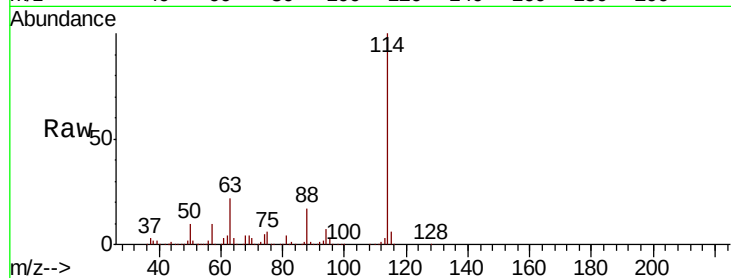
Tot Ion:114 Resp: 3574822

Ion Ratio Lower Upper

114 100

63 23.2 19.0 28.4

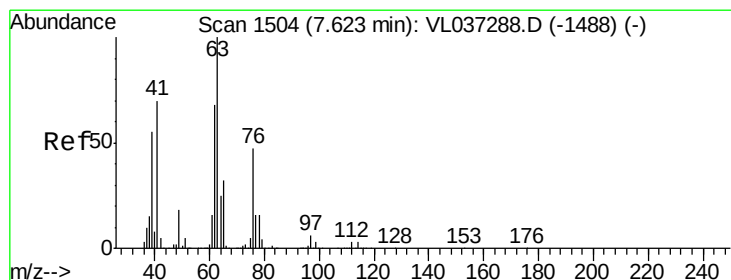
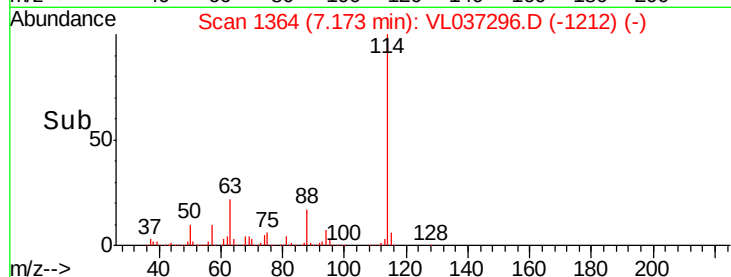
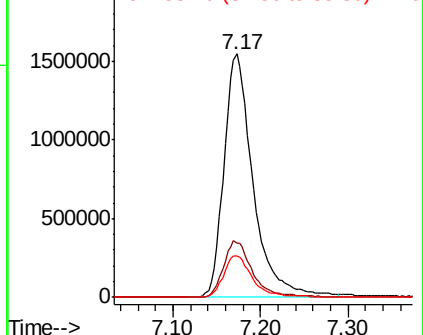
88 17.3 14.0 21.0



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: 7.012 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL037296.D

Acq: 30 Jul 2021 23:09

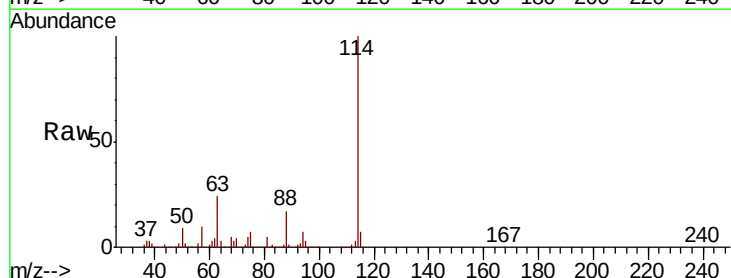
Tgt Ion: 63 Resp: 798061

Ion Ratio Lower Upper

63 100

41 0.0 56.4 84.6#

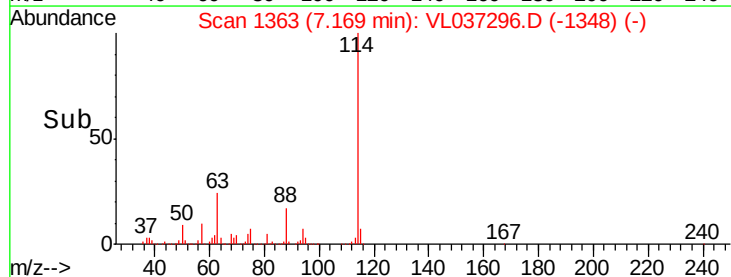
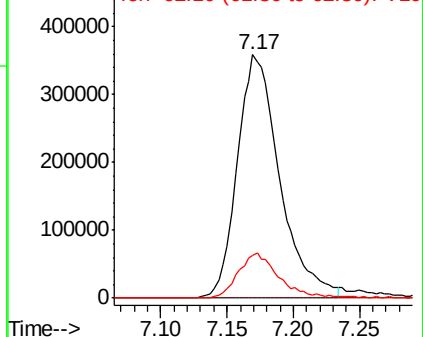
62 17.4 54.6 82.0#

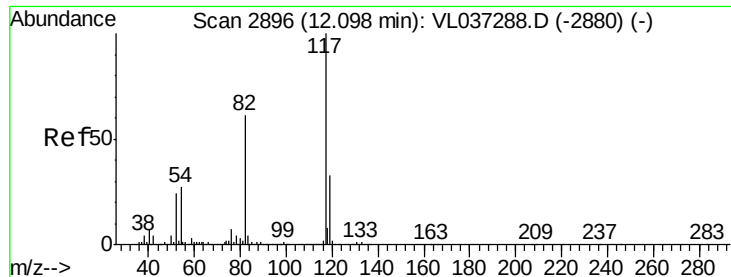


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

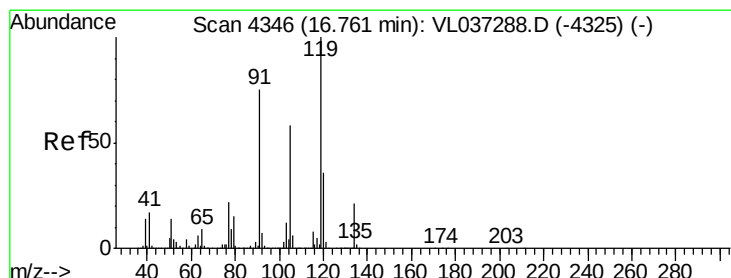
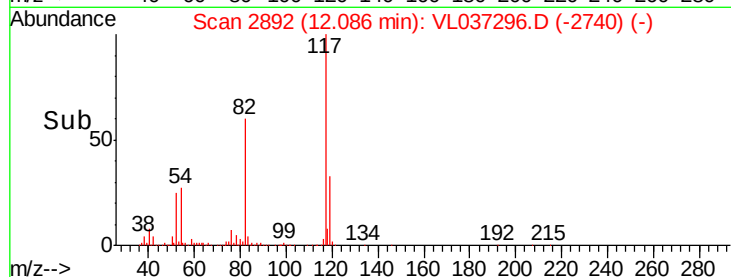
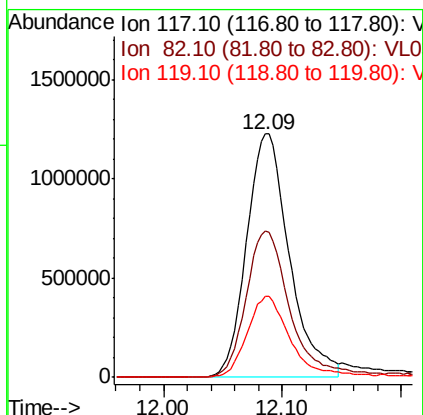
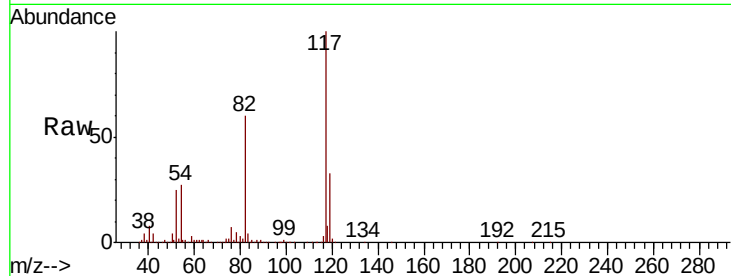




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

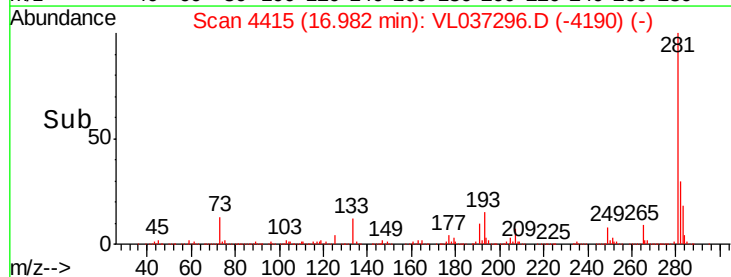
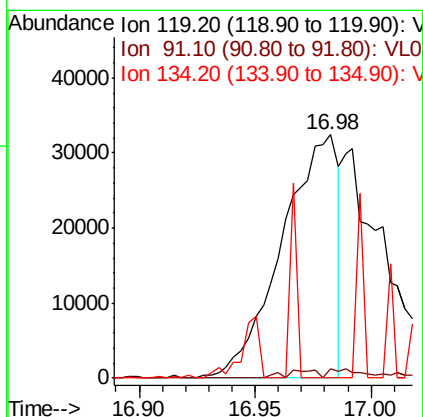
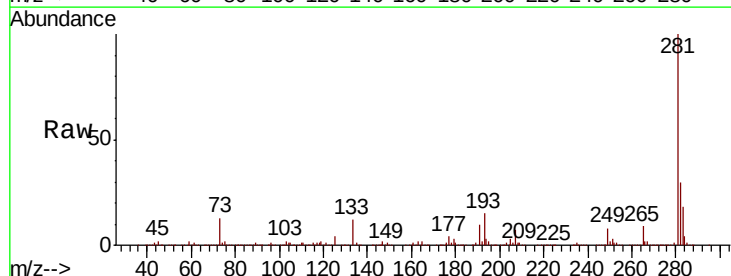
Instrument :
MSVOA_L
ClientSampleId :

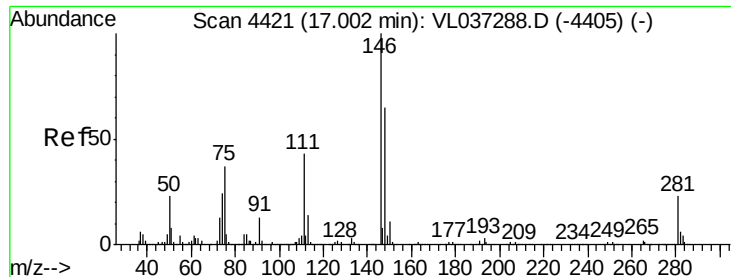
Tot Ion:117 Resp: 3052105
Ion Ratio Lower Upper
117 100
82 65.1 47.2 70.8
119 34.5 45.8 68.8#



#65
tert-Butylbenzene
Concen: 0.120 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.22 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

Tgt Ion:119 Resp: 54195
Ion Ratio Lower Upper
119 100
91 4.8 60.5 90.7#
134 17.6 16.2 24.4

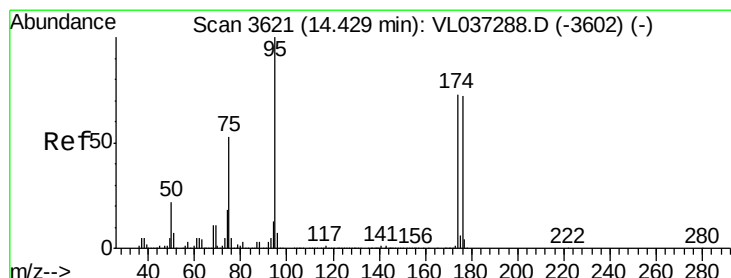
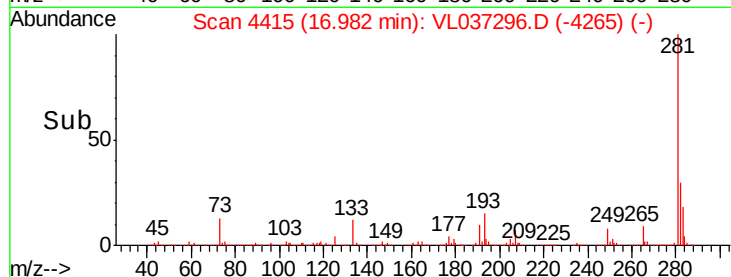
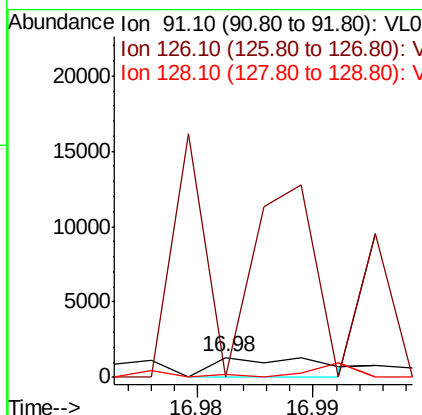
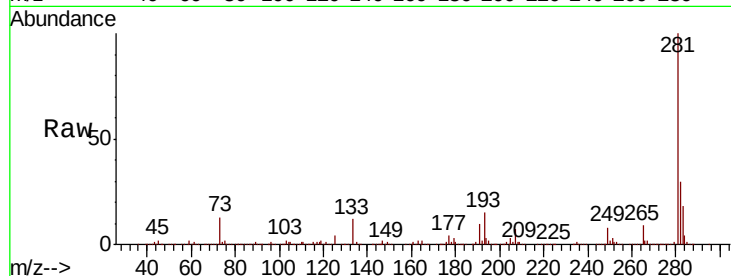




#66
Benzvl Chloride
Concen: 0.037 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.02 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 824
Ion Ratio Lower Upper
91 100
126 1438.7 15.4 23.0#
128 0.0 5.0 7.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.155 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL037296.D
Acq: 30 Jul 2021 23:09

Tgt Ion: 95 Resp: 2254844
Ion Ratio Lower Upper
95 100
174 79.4 59.8 89.6
175 5.7 4.5 6.7

