

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034908.D
 Acq On : 17 Mar 2020 2:35
 Operator : SY/AP
 Sample : L1924-07DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 04:29:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	810235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1768411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1724948	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1396760	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

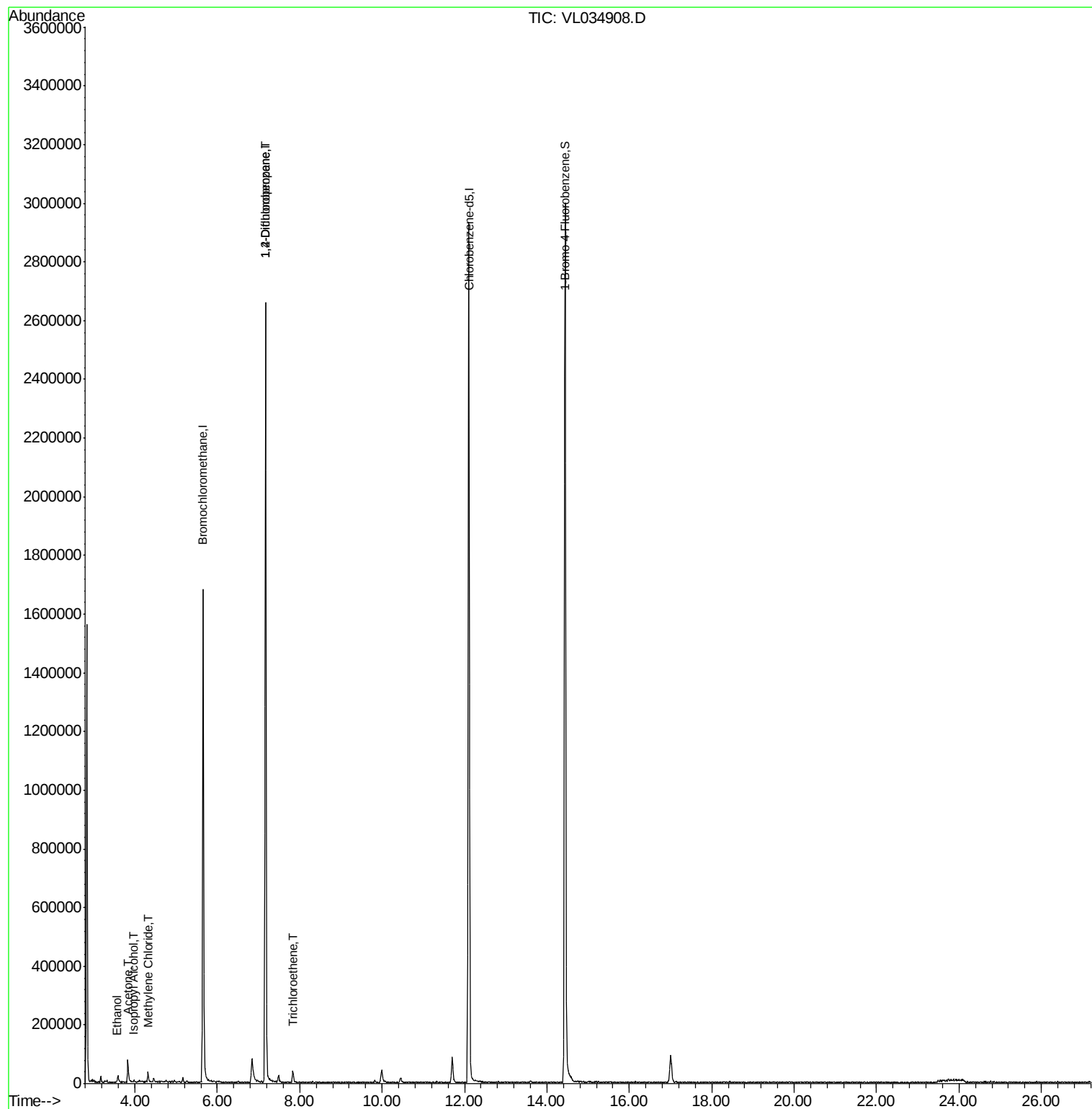
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	532	0.040	ppbv #	35
15) Acetone	3.83	43	72902	0.694	ppbv	95
19) Isopropyl Alcohol	3.97	45	5240	0.079	ppbv #	37
20) Methylene Chloride	4.31	84	2019	0.061	ppbv #	75
38) Trichloroethene	7.84	130	5313	0.089	ppbv #	73
39) 1,2-Dichloropropane	7.17	63	487865	7.812	ppbv #	24

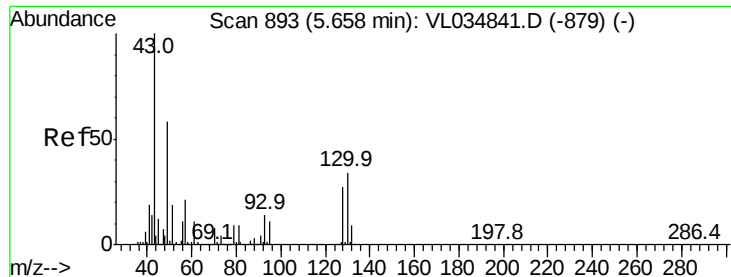
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034908.D

Acq: 17 Mar 2020 2:35

Instrument :

MSVOA_L

ClientSampled :

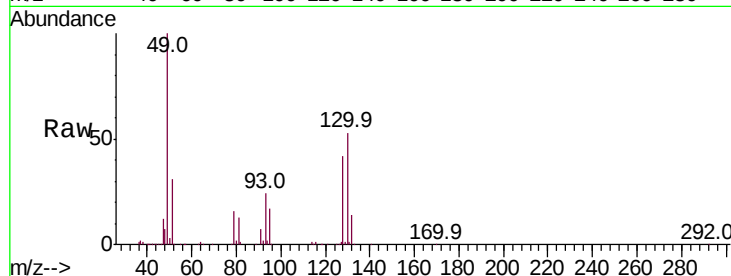
Tot Ion: 49 Resp: 810235

Ion Ratio Lower Upper

49 100

128 45.7 23.4 70.3

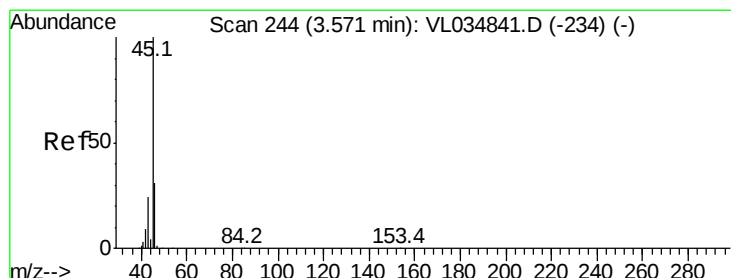
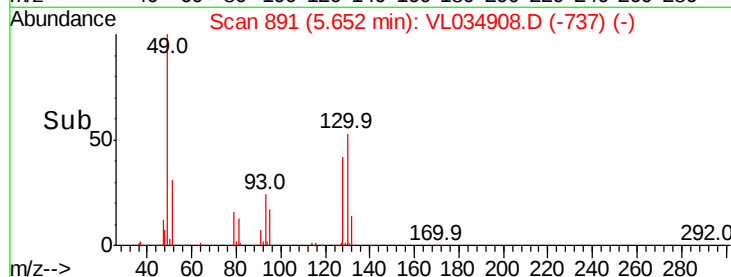
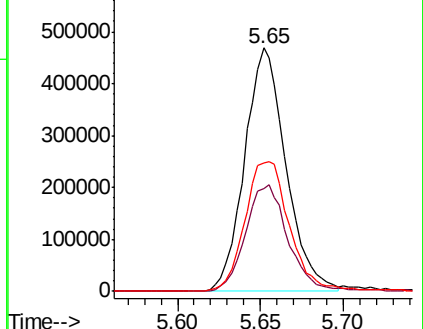
130 58.4 30.0 90.0



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: 0.040 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL034908.D

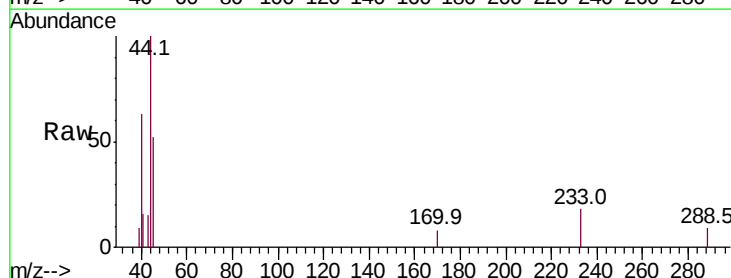
Acq: 17 Mar 2020 2:35

Tgt Ion: 45 Resp: 532

Ion Ratio Lower Upper

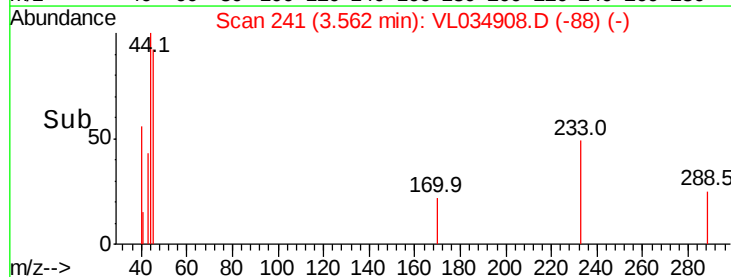
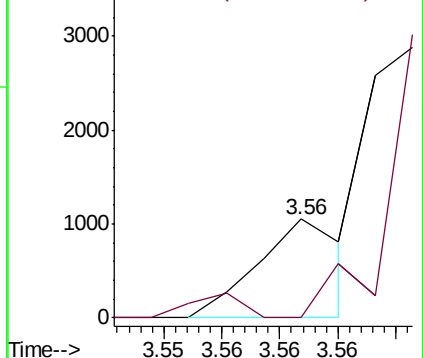
45 100

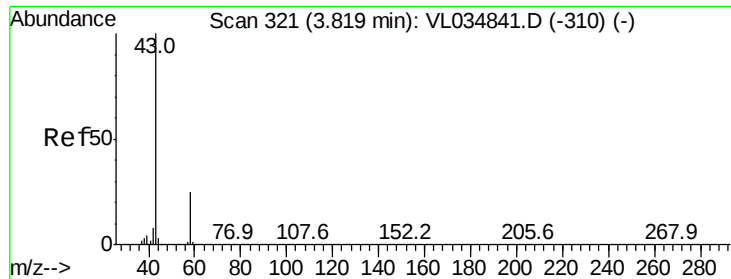
46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.694 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034908.D

Acq: 17 Mar 2020 2:35

Instrument :

MSVOA_L

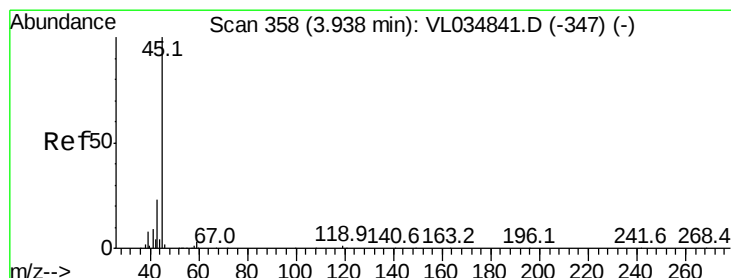
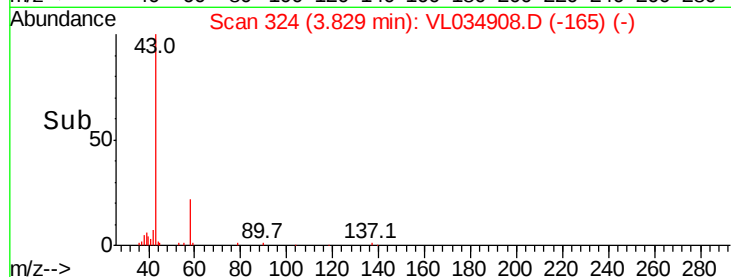
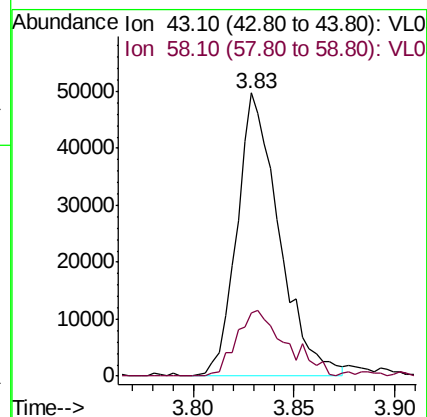
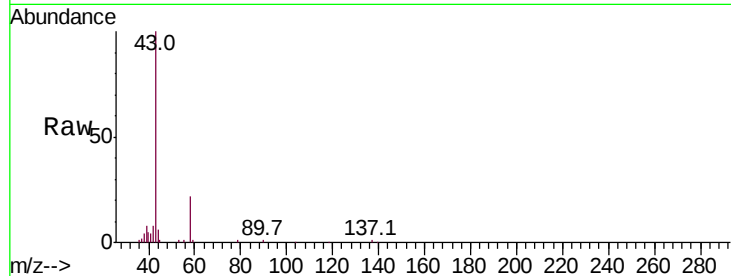
ClientSampled :

Tot Ion: 43 Resp: 72902

Ion Ratio Lower Upper

43 100

58 28.8 21.0 31.6



#19

Isopropyl Alcohol

Concen: 0.079 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.04 min

Lab File: VL034908.D

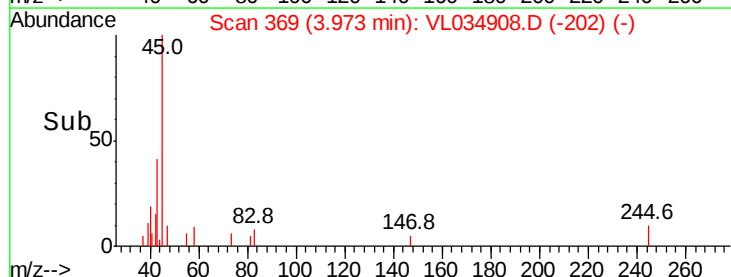
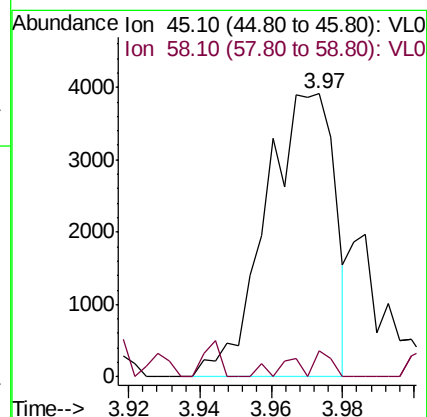
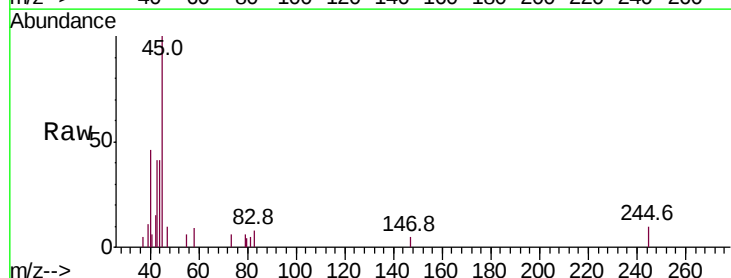
Acq: 17 Mar 2020 2:35

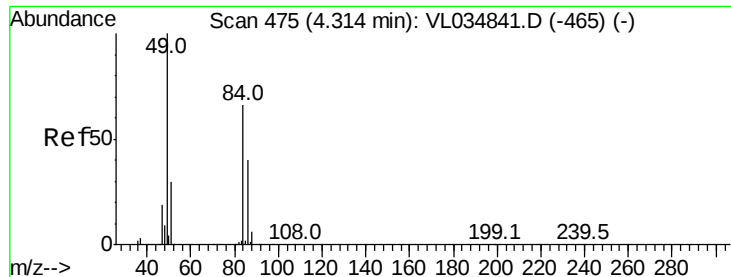
Tgt Ion: 45 Resp: 5240

Ion Ratio Lower Upper

45 100

58 0.0 30.5 45.7#

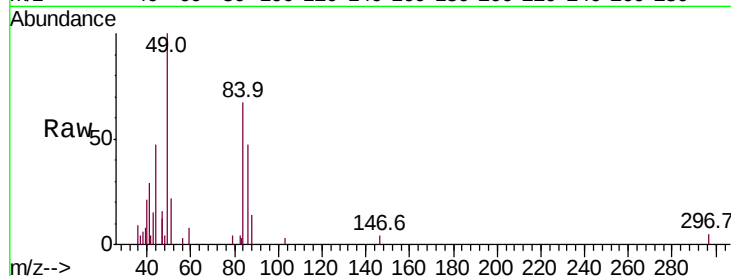




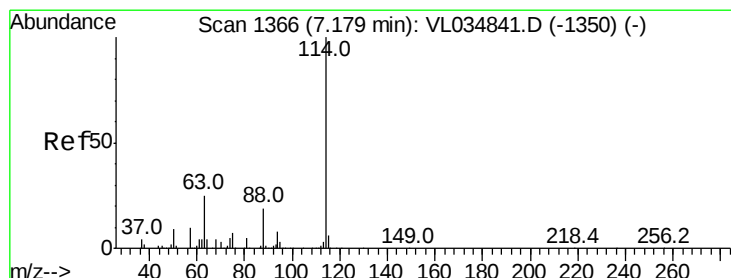
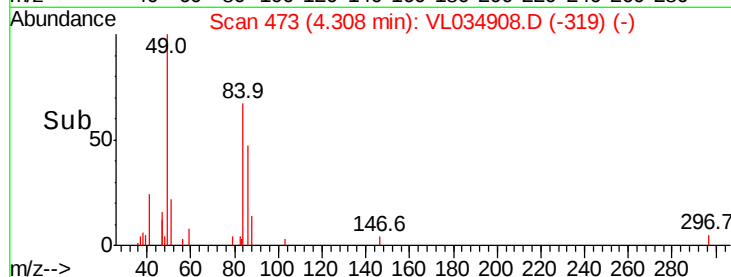
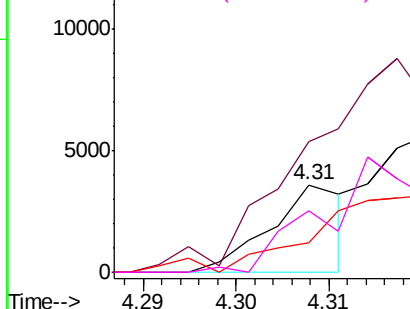
#20
Methylene Chloride
Concen: 0.061 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL034908.D
Acq: 17 Mar 2020 2:35

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 2019
Ion Ratio Lower Upper
84 100
49 120.9 121.5 182.3#
51 17.7 36.6 55.0#
86 70.5 48.2 72.2

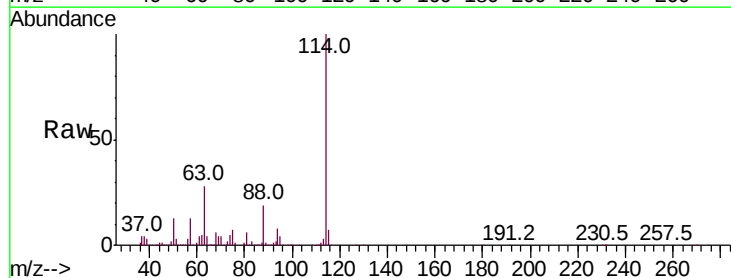


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

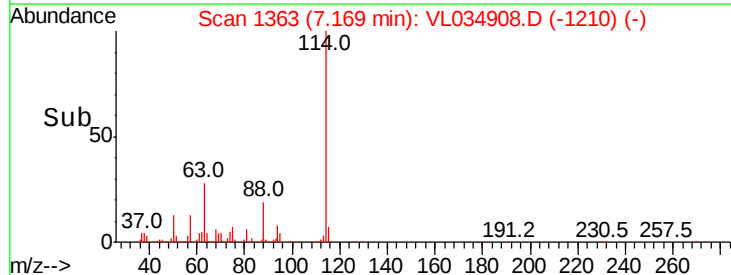
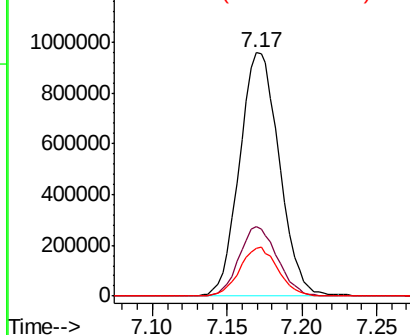


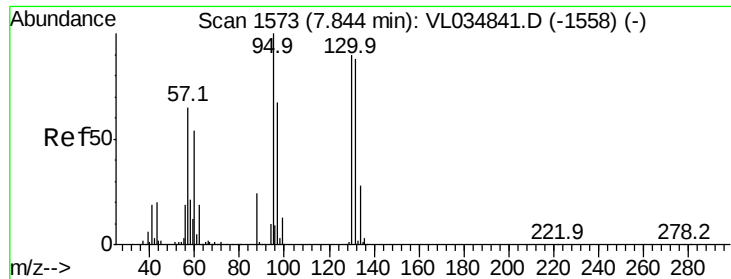
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034908.D
Acq: 17 Mar 2020 2:35

Tgt Ion: 114 Resp: 1768411
Ion Ratio Lower Upper
114 100
63 27.8 20.6 31.0
88 19.3 15.0 22.6



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





#38

Trichloroethene

Concen: 0.089 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034908.D

Acq: 17 Mar 2020 2:35

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 5313

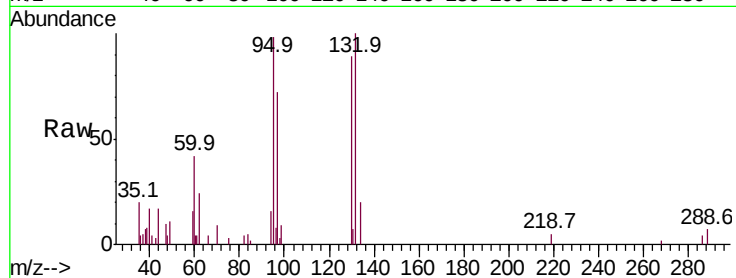
Ion Ratio Lower Upper

130 100

95 42.9 88.5 132.7#

132 99.0 78.0 117.0

97 78.2 59.3 88.9

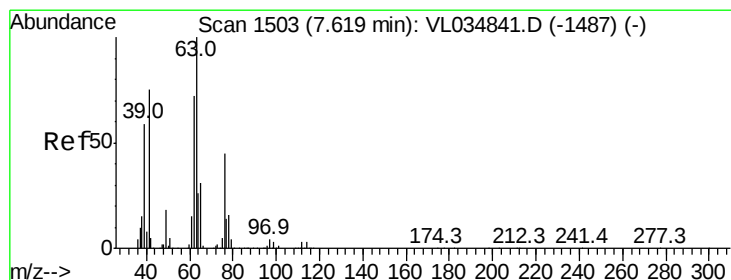
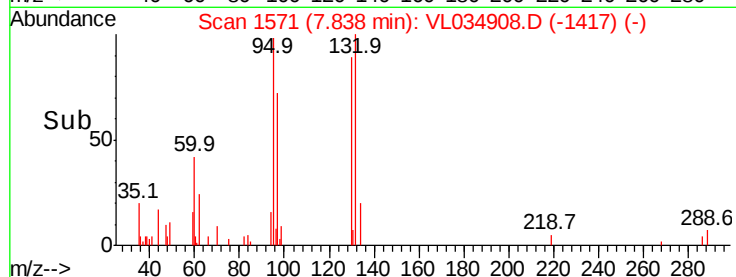
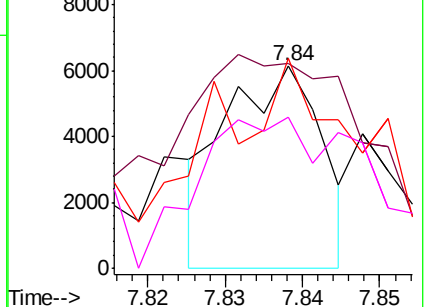


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.812 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL034908.D

Acq: 17 Mar 2020 2:35

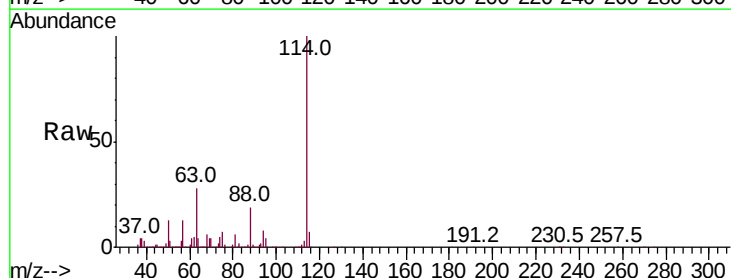
Tgt Ion: 63 Resp: 487865

Ion Ratio Lower Upper

63 100

41 0.2 59.8 89.8#

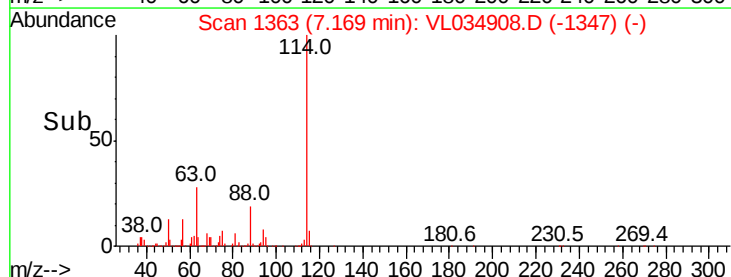
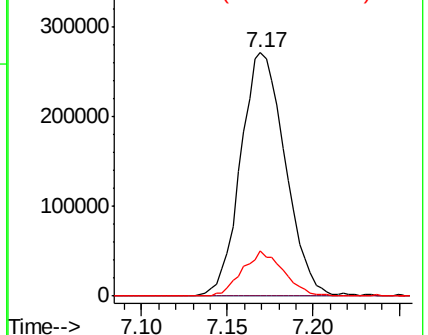
62 18.7 57.6 86.4#

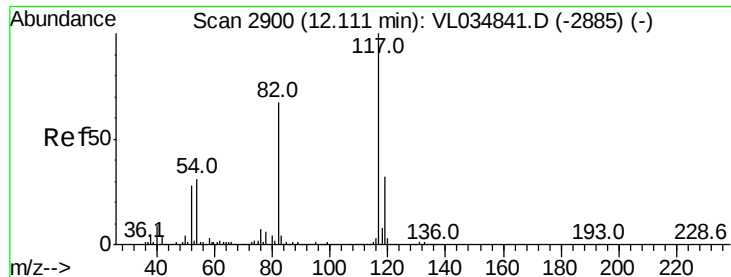


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

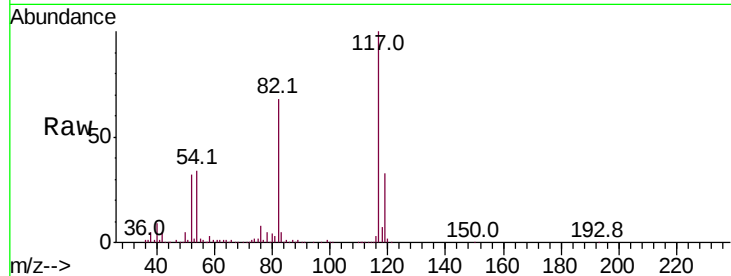




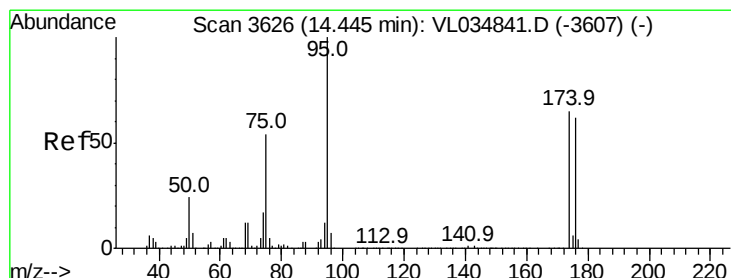
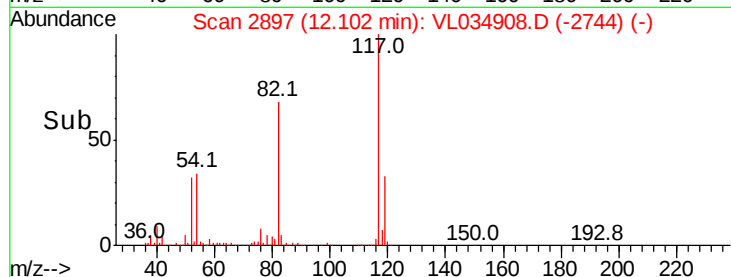
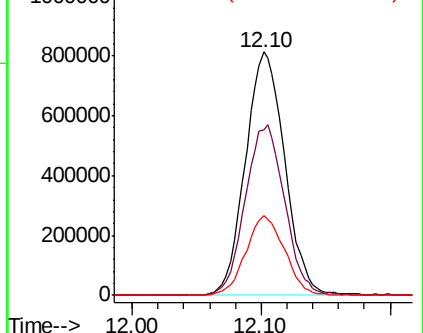
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034908.D
Acq: 17 Mar 2020 2:35

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 1724948
Ion Ratio Lower Upper
117 100
82 70.8 51.1 76.7
119 32.6 27.3 40.9

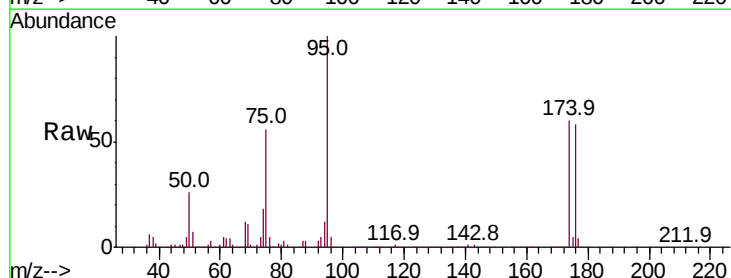


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.383 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034908.D
Acq: 17 Mar 2020 2:35

Tgt Ion: 95 Resp: 1396760
Ion Ratio Lower Upper
95 100
174 65.0 55.2 82.8
175 4.8 4.3 6.5



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

