

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035212.D
 Acq On : 21 Jul 2020 13:24
 Operator : SY/AP
 Sample : 071320 CAN 10473
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 071320 CAN 10473

Quant Time: Jul 22 00:47:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1190006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2800066	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2589471	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2093368	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

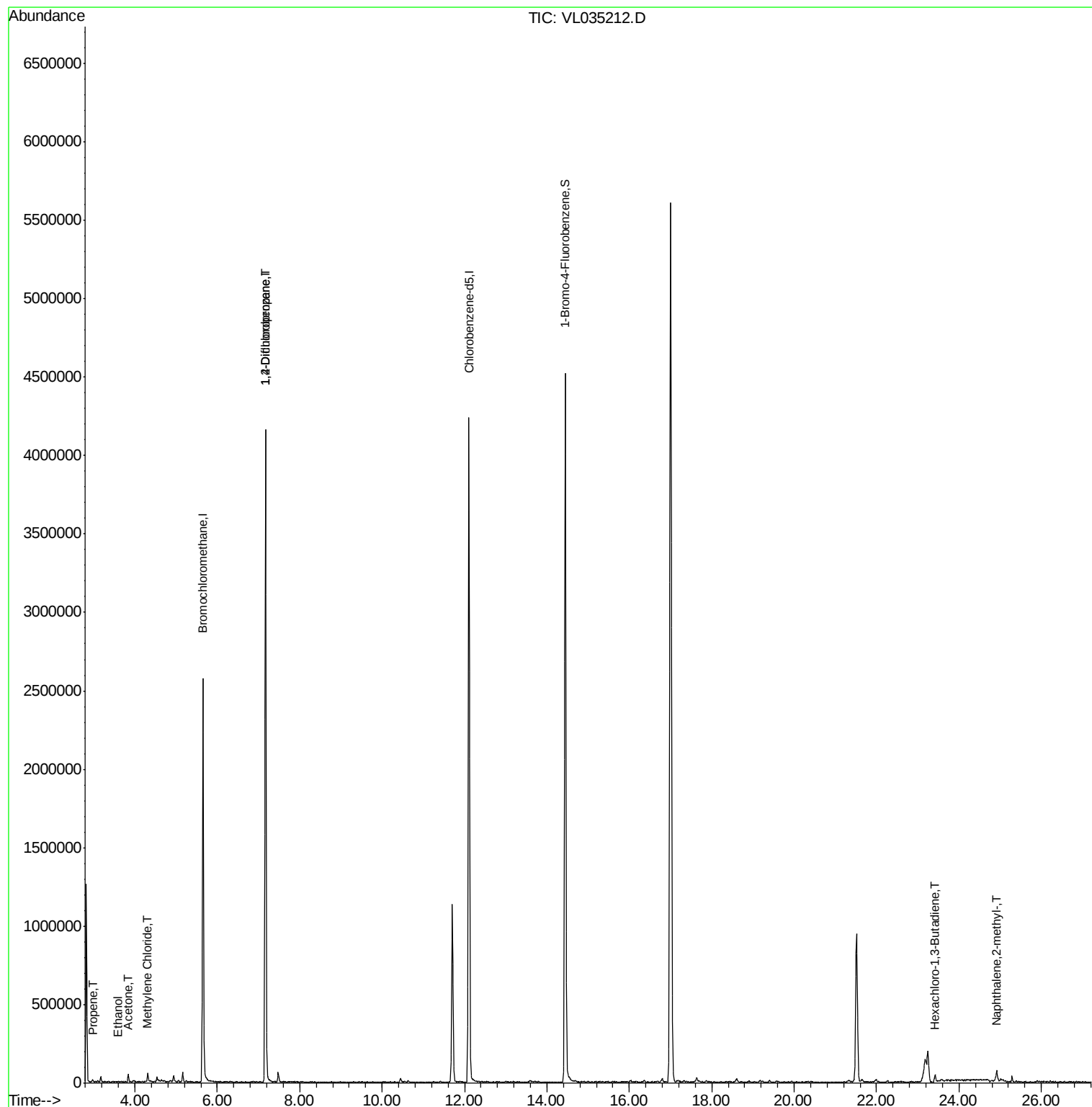
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	2334	0.047	ppbv #	61
13) Ethanol	3.57	45	538	0.034	ppbv #	35
15) Acetone	3.83	43	40194	0.249	ppbv #	42
20) Methylene Chloride	4.31	84	17541	0.250	ppbv #	73
39) 1,2-Dichloropropane	7.17	63	743096	9.220	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.42	225	4962	0.036	ppbv #	10
80) Naphthalene,2-methyl-	24.92	142	37839	0.810	ppbv	97

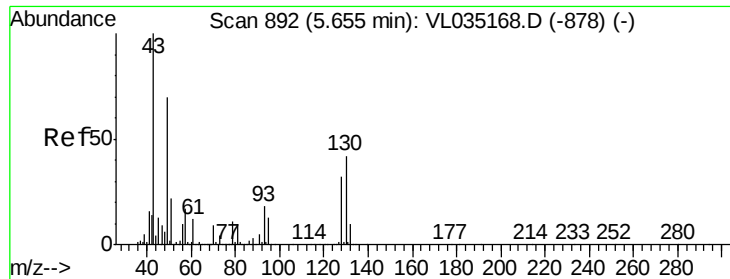
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

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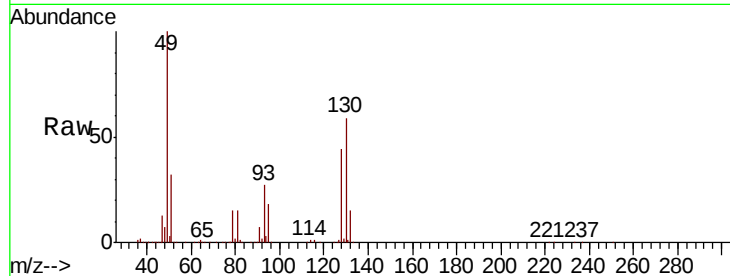
Tot Ion: 49 Resp: 1190006

Ion Ratio Lower Upper

49 100

128 47.6 23.8 71.4

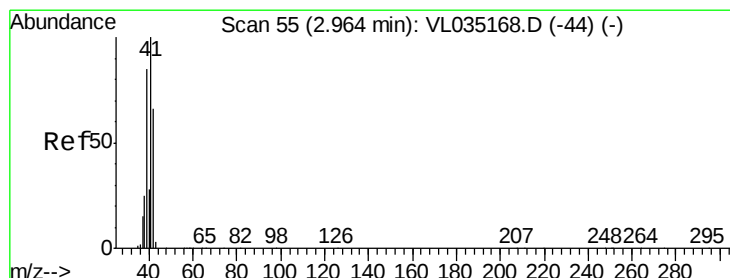
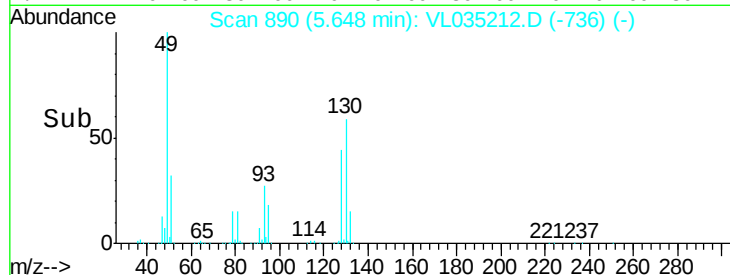
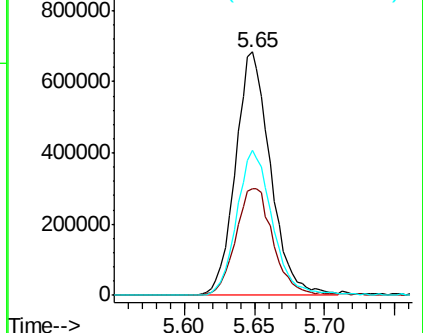
130 61.1 29.9 89.8



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: 0.047 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035212.D

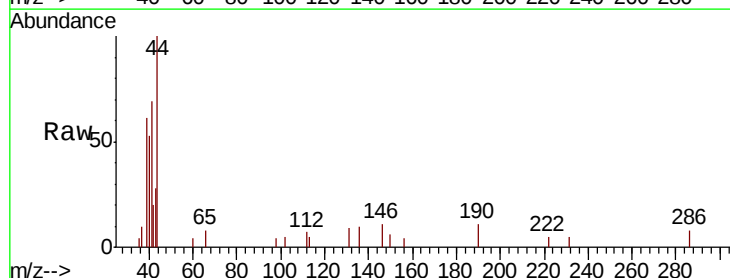
Acq: 21 Jul 2020 13:24

Tgt Ion: 41 Resp: 2334

Ion Ratio Lower Upper

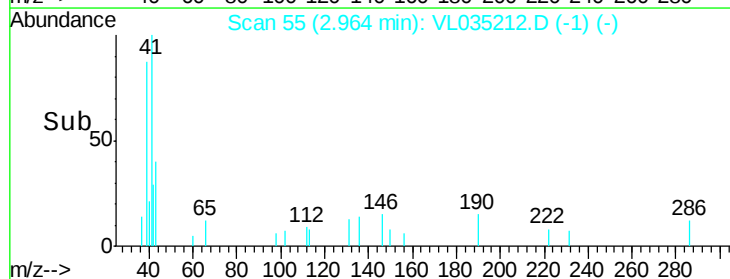
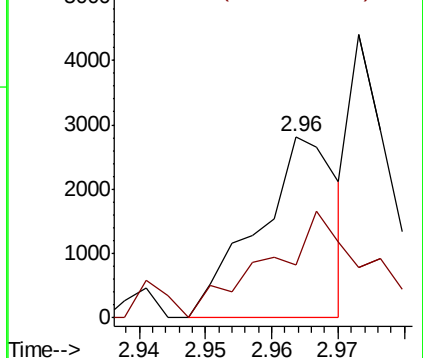
41 100

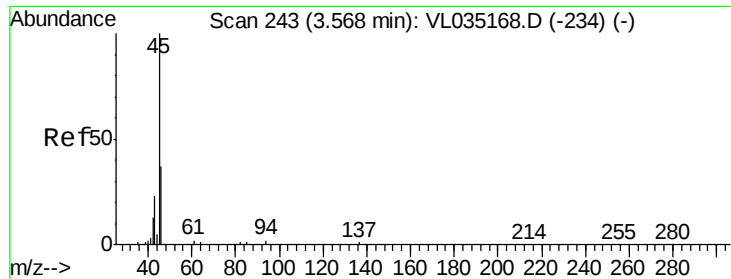
42 99.4 54.6 81.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

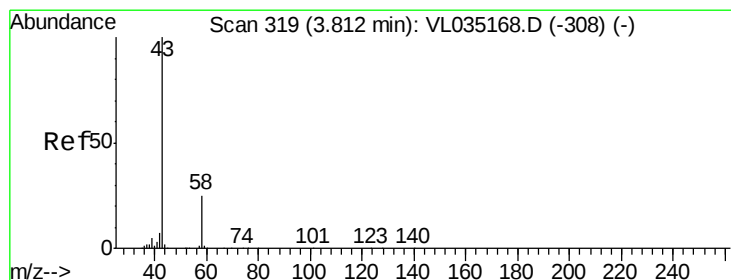
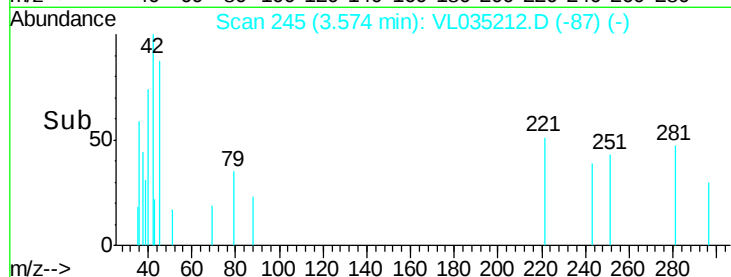
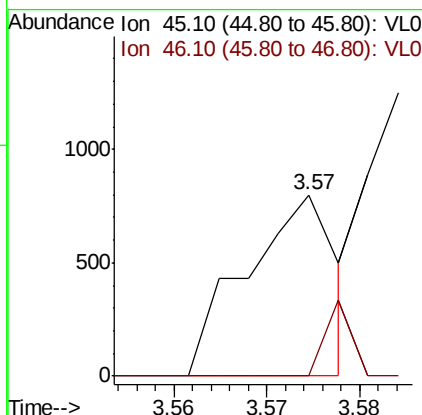
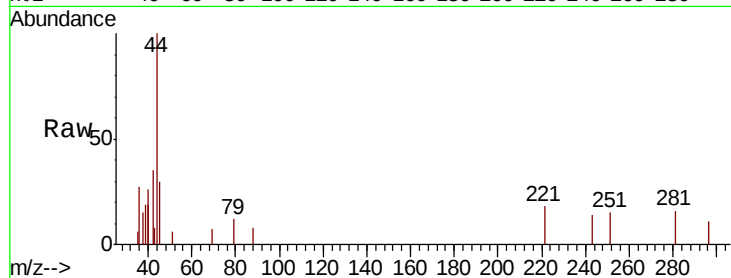




#13
Ethanol
Concen: 0.034 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035212.D
Acq: 21 Jul 2020 13:24

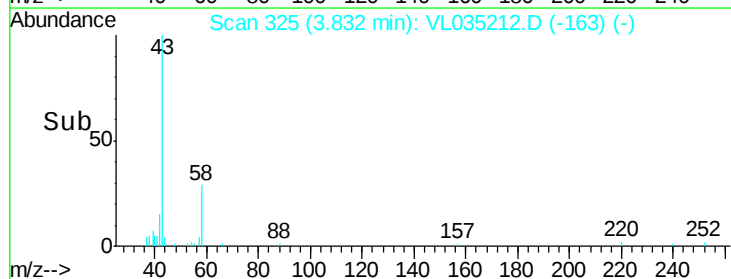
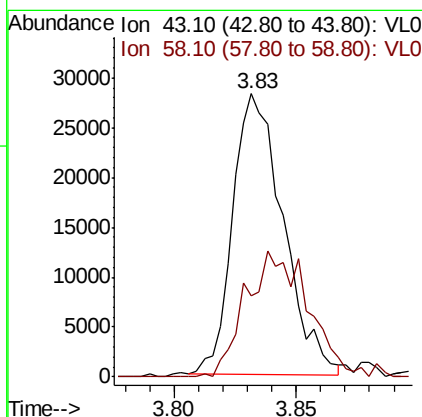
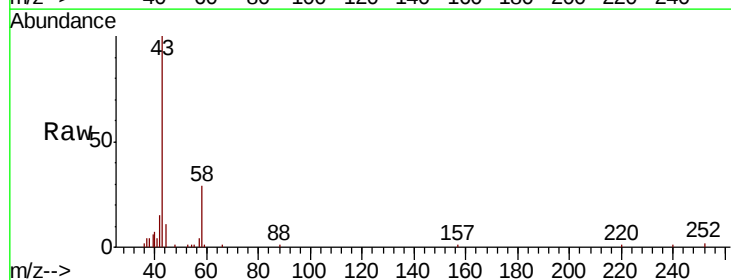
Instrument :
MSVOA_L
ClientSampleId :
071320 CAN 10473

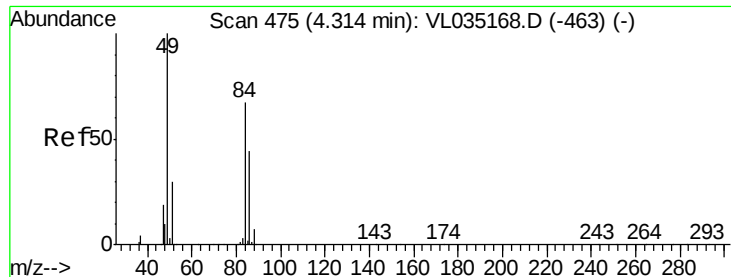
Tot Ion: 45 Resp: 538
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#



#15
Acetone
Concen: 0.249 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.02 min
Lab File: VL035212.D
Acq: 21 Jul 2020 13:24

Tgt Ion: 43 Resp: 40194
Ion Ratio Lower Upper
43 100
58 56.5 21.3 31.9#

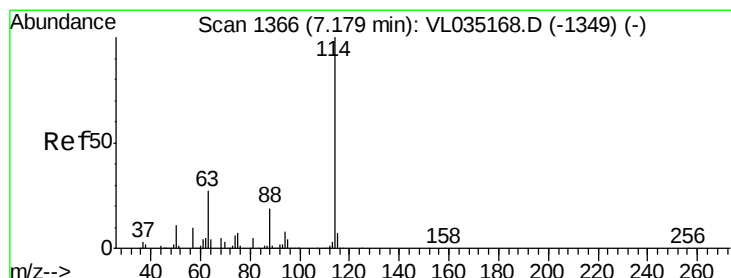
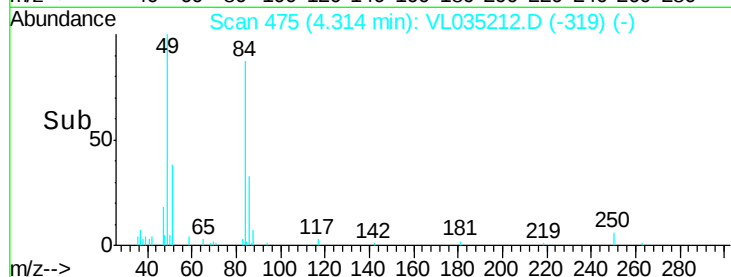
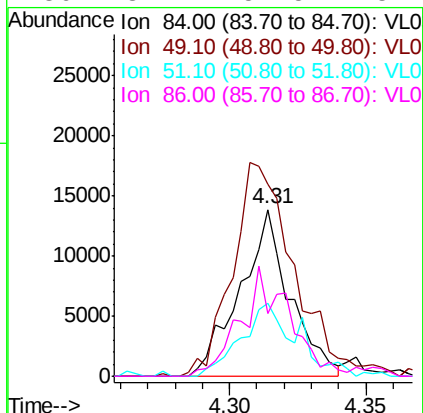
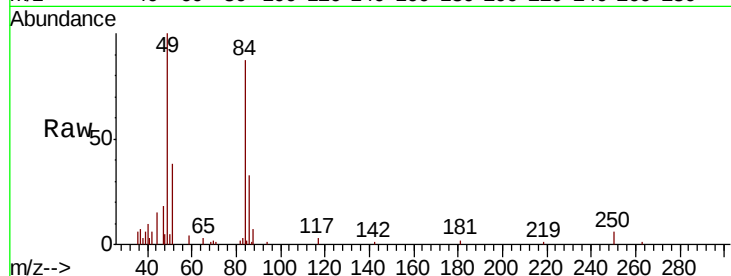




#20
Methylene Chloride
Concen: 0.250 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035212.D
Acq: 21 Jul 2020 13:24

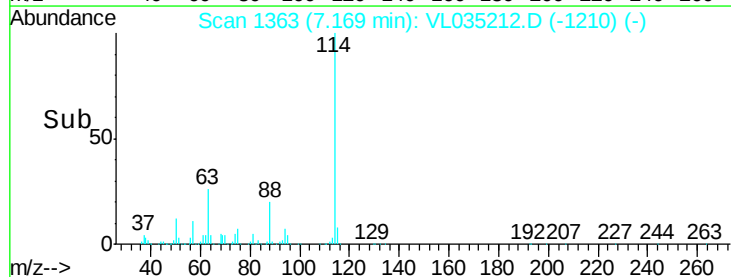
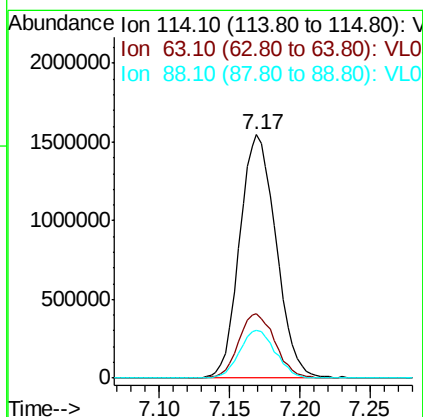
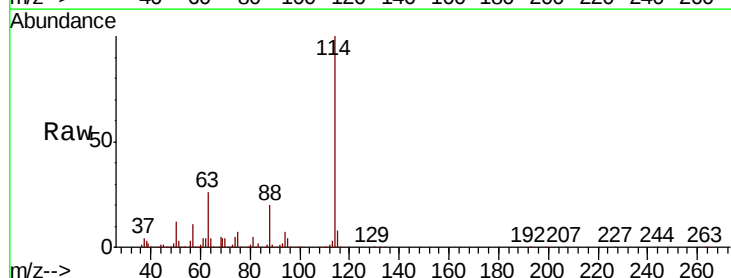
Instrument :
MSVOA_L
ClientSampleId :
071320 CAN 10473

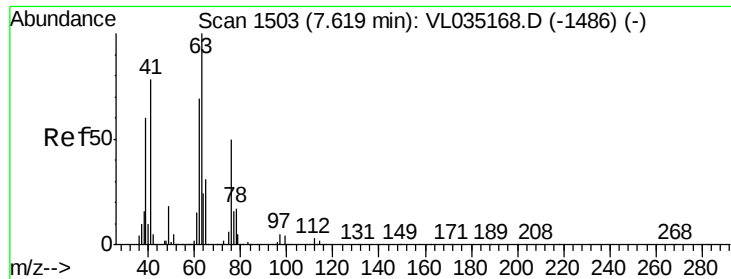
Tot Ion: 84 Resp: 17541
Ion Ratio Lower Upper
84 100
49 110.9 119.4 179.0#
51 43.0 36.6 55.0
86 37.1 52.5 78.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035212.D
Acq: 21 Jul 2020 13:24

Tgt Ion: 114 Resp: 2800066
Ion Ratio Lower Upper
114 100
63 26.6 22.0 33.0
88 19.6 15.4 23.0

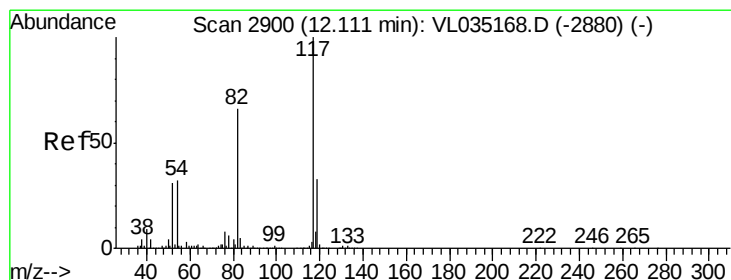
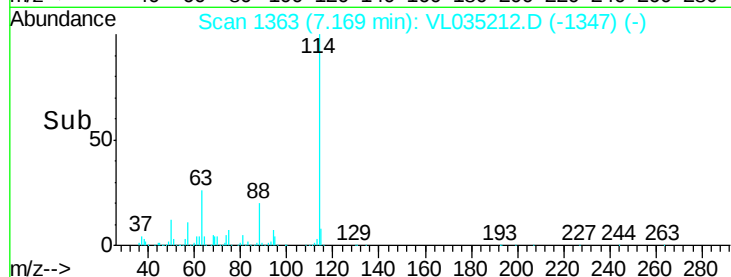
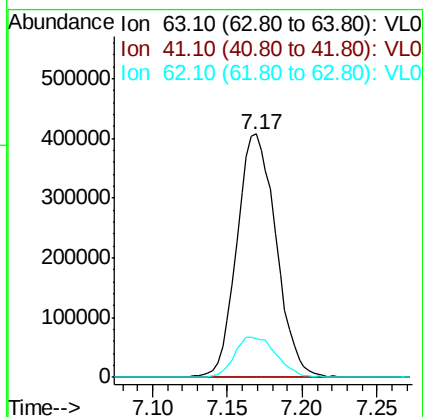
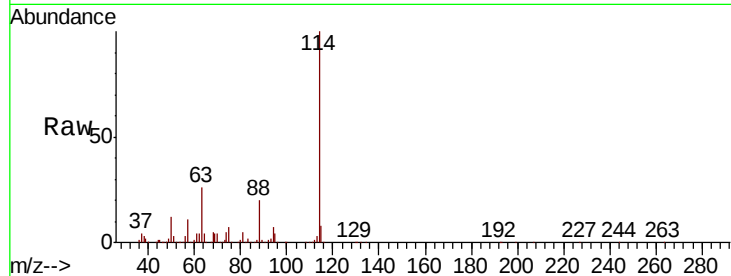




#39
 1,2-Dichloropropane
 Concen: 9.220 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL035212.D
 Acq: 21 Jul 2020 13:24

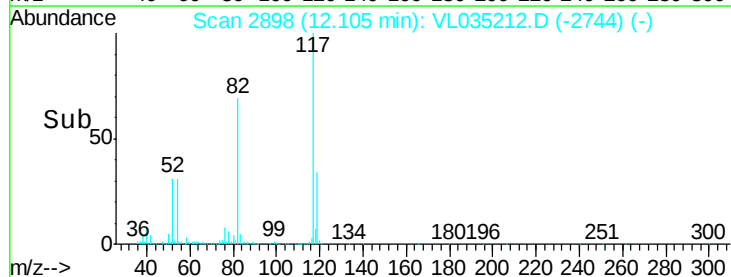
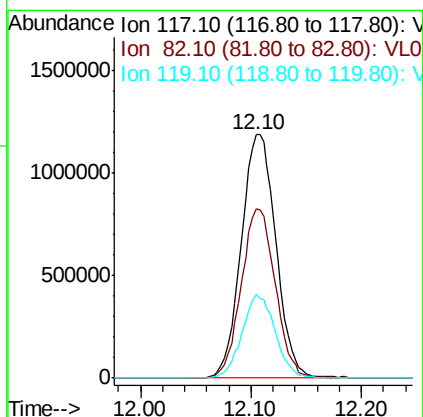
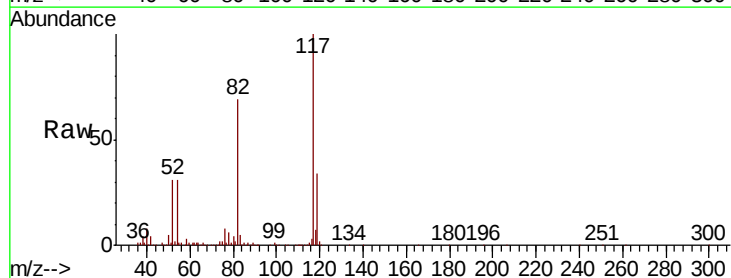
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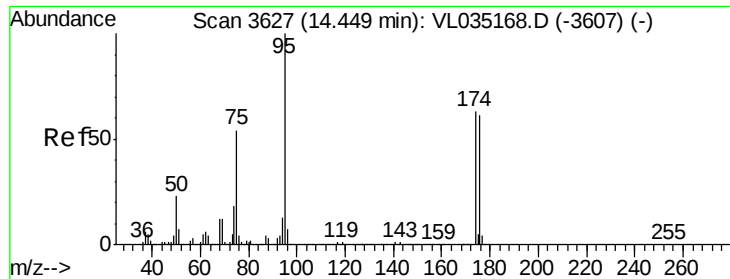
Tot Ion: 63 Resp: 743096
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 94.0#
 62 16.1 55.0 82.6#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: VL035212.D
 Acq: 21 Jul 2020 13:24

Tgt Ion: 117 Resp: 2589471
 Ion Ratio Lower Upper
 117 100
 82 68.7 52.3 78.5
 119 32.9 24.9 37.3

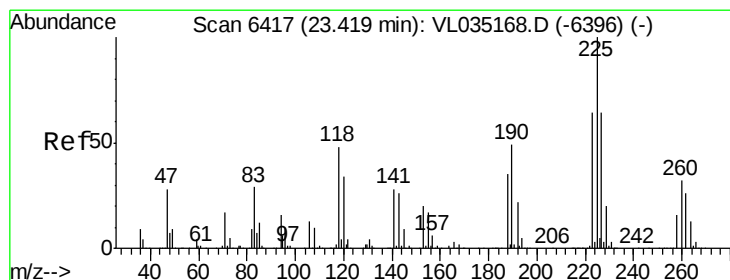
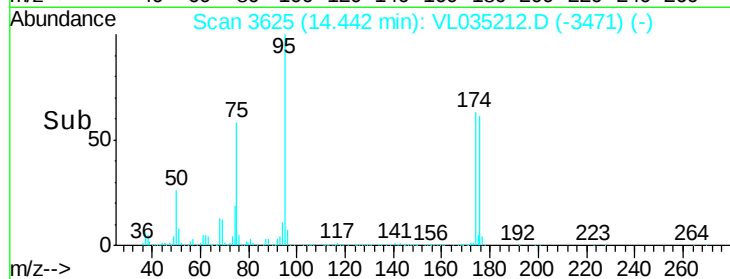
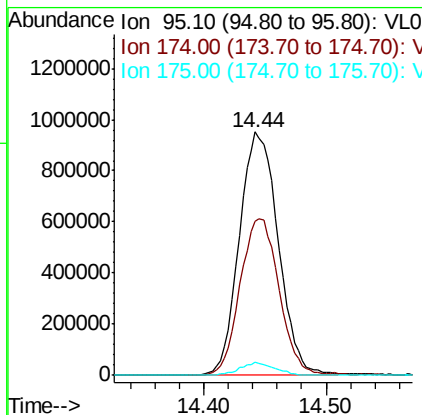
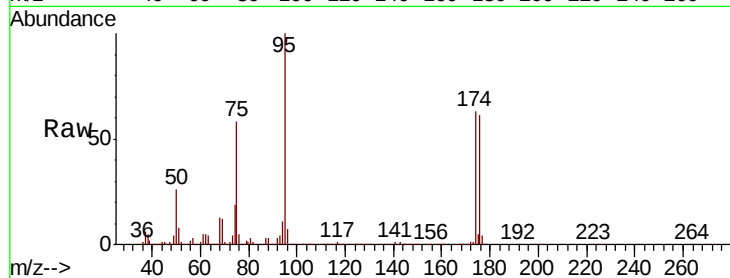




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.951 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035212.D
 Acq: 21 Jul 2020 13:24

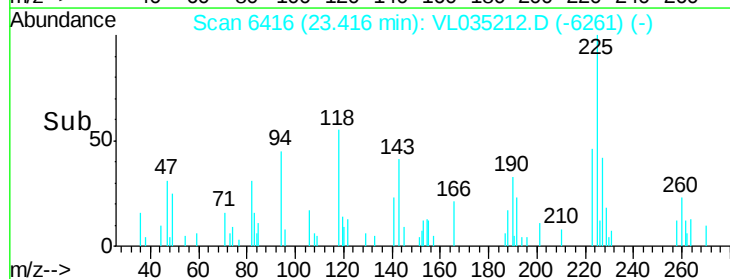
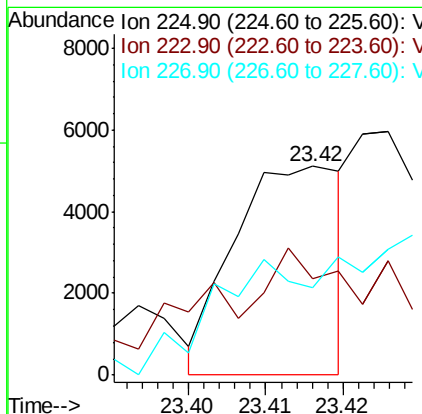
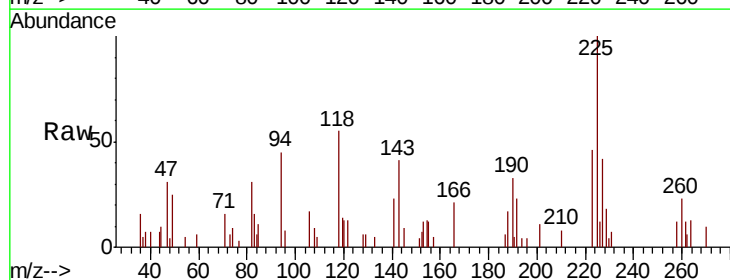
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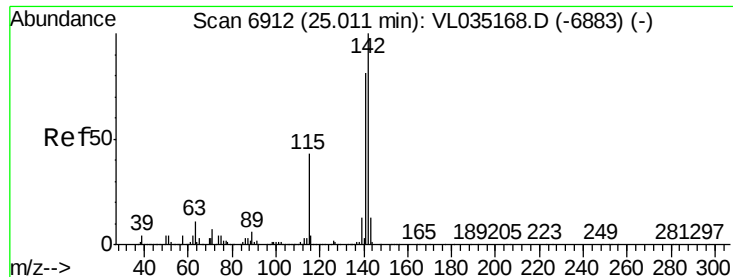
Tot Ion: 95 Resp: 2093368
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.2 78.2
 175 4.8 4.0 6.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.036 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035212.D
 Acq: 21 Jul 2020 13:24

Tgt Ion: 225 Resp: 4962
 Ion Ratio Lower Upper
 225 100
 223 138.5 50.2 75.2#
 227 0.0 51.2 76.8#





#80

Naphthalene, 2-methyl-

Concen: 0.810 ppbv

RT: 24.92 min Scan# 6885

Delta R.T. -0.09 min

Lab File: VL035212.D

Acq: 21 Jul 2020 13:24

Instrument :

MSVOA_L

ClientSampleId :

071320 CAN 10473

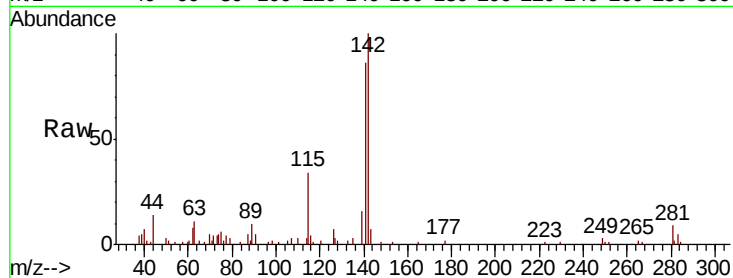
Tot Ion:142 Resp: 37839

Ion Ratio Lower Upper

142 100

141 84.8 68.2 102.4

115 48.6 34.4 51.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

