

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035900.D
 Acq On : 10 Nov 2020 22:32
 Operator : SY/AP
 Sample : OC102020 CAN 10315
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 01:24:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1009801	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3724099	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3471403	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2552002	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

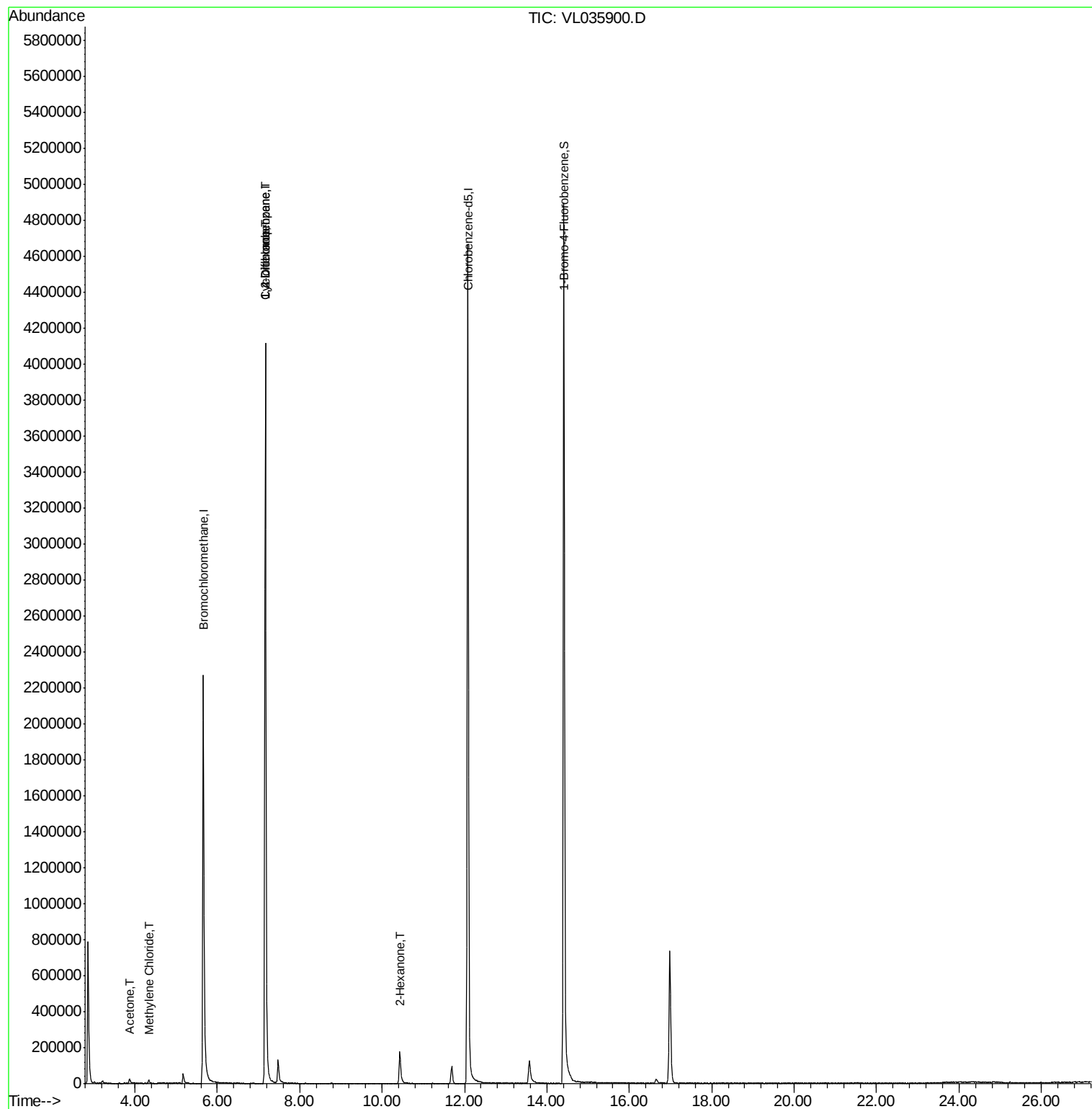
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	21602	0.200	ppbv #	1
20) Methylene Chloride	4.34	84	8651	0.114	ppbv #	90
30) Cyclohexane	7.15	84	10374	0.081	ppbv #	6
39) 1,2-Dichloropropane	7.16	63	753796	8.087	ppbv #	30
51) 2-Hexanone	10.43	43	33657	0.227	ppbv #	47

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

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035900.D

Acq: 10 Nov 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

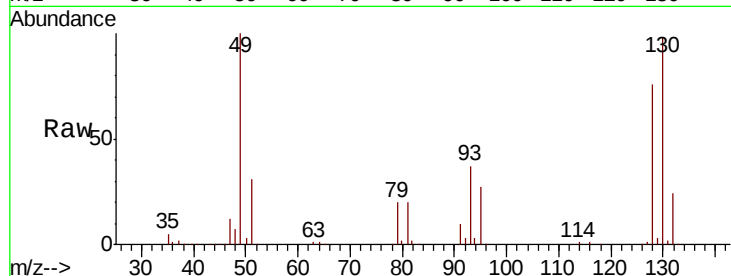
Tot Ion: 49 Resp: 1009801

Ion Ratio Lower Upper

49 100

128 81.3 41.5 124.6

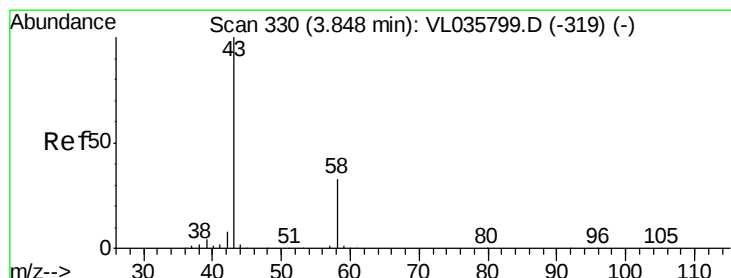
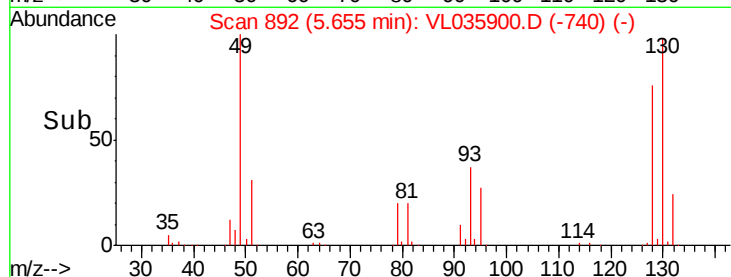
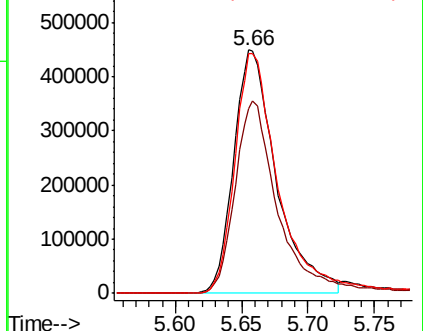
130 103.1 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.200 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035900.D

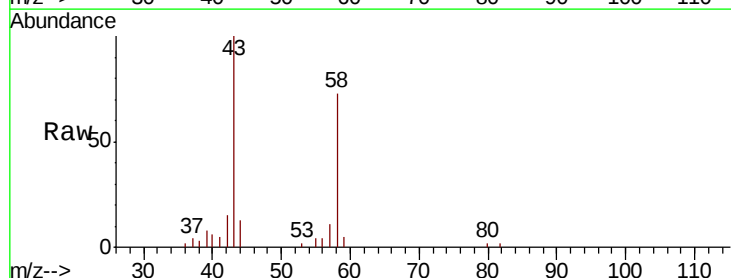
Acq: 10 Nov 2020 22:32

Tgt Ion: 43 Resp: 21602

Ion Ratio Lower Upper

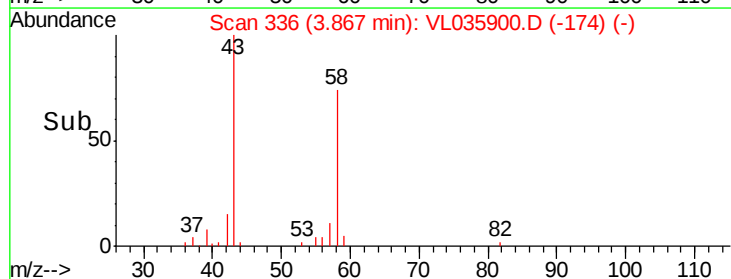
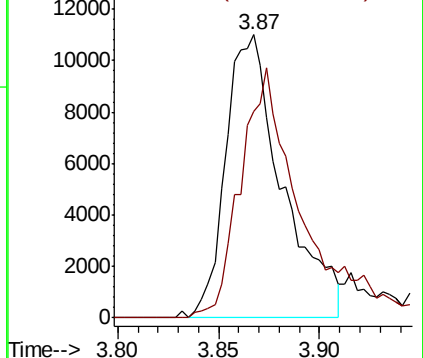
43 100

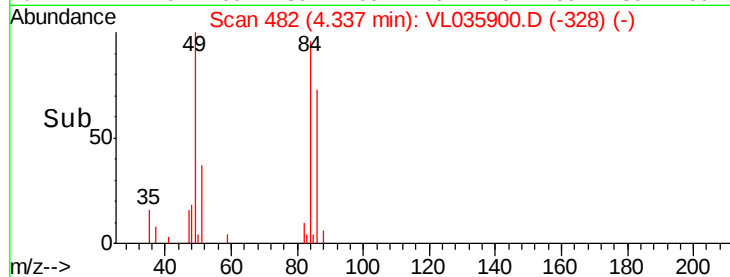
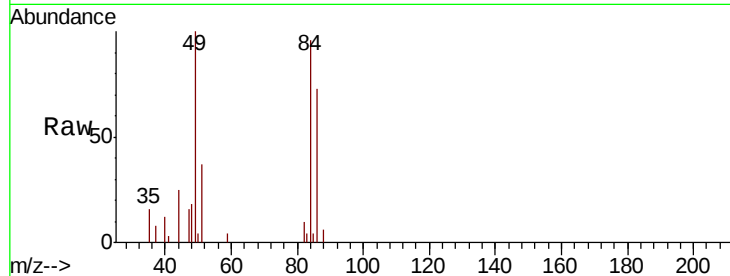
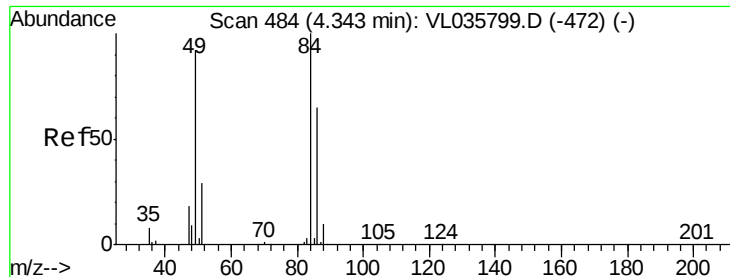
58 98.6 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

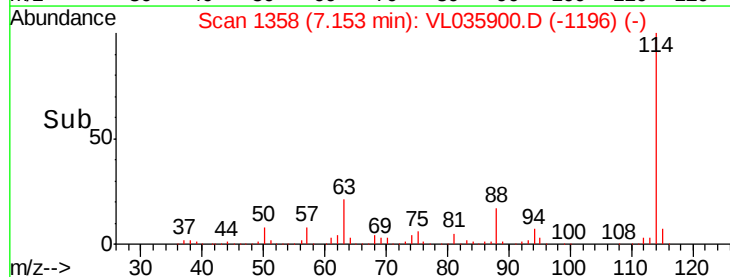
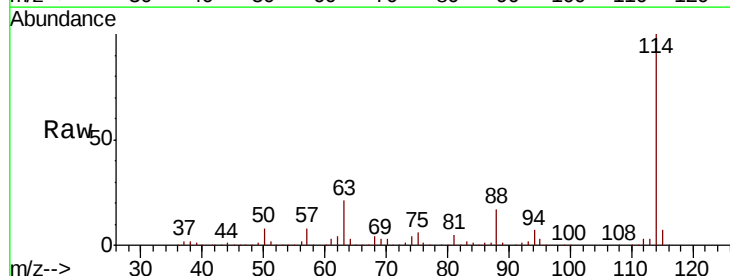
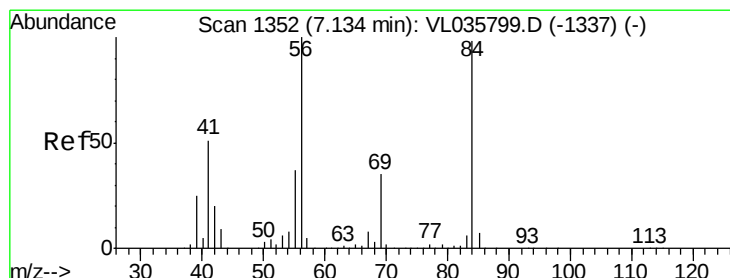
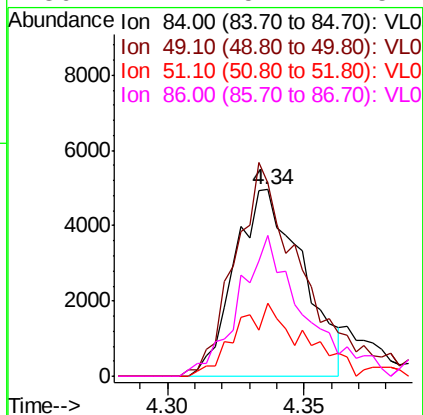




#20
Methvlene Chloride
Concen: 0.114 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035900.D
Acq: 10 Nov 2020 22:32

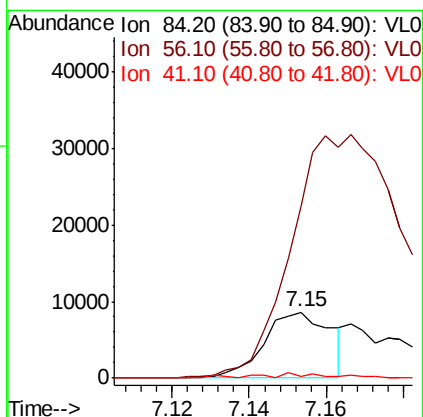
Instrument :
MSVOA_L
ClientSampleId :

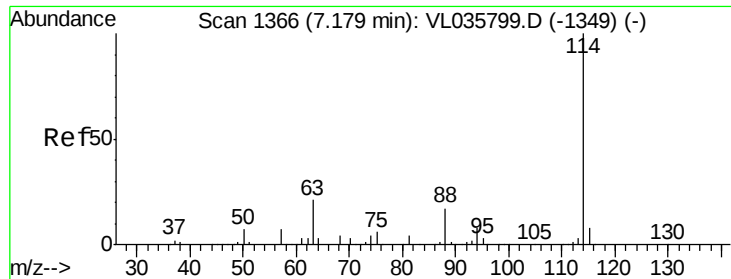
Tot Ion	Ratio	Lower	Upper
84	100		
49	100.3	73.8	110.8
51	38.8	23.0	34.4#
86	72.2	52.1	78.1



#30
Cyclohexane
Concen: 0.081 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VL035900.D
Acq: 10 Nov 2020 22:32

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#

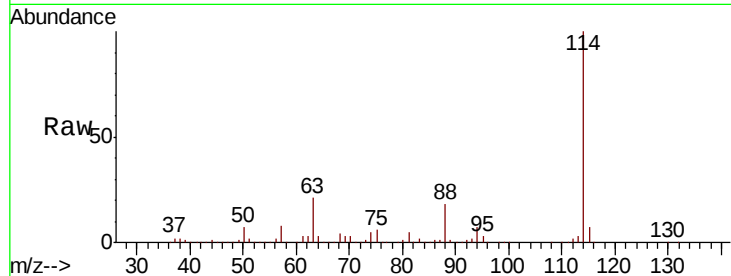




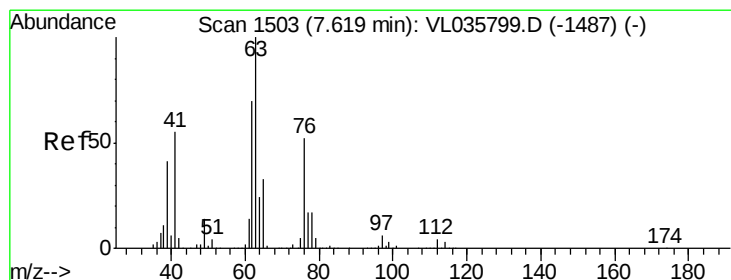
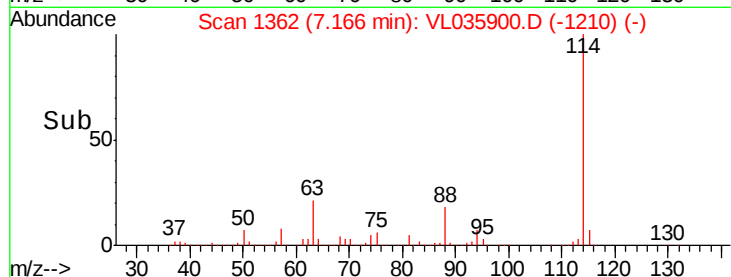
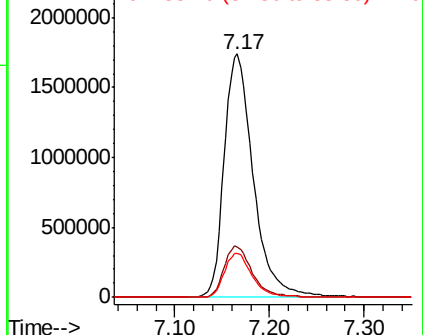
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035900.D
 Acq: 10 Nov 2020 22:32

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3724099
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.1 24.1
 88 17.5 13.7 20.5

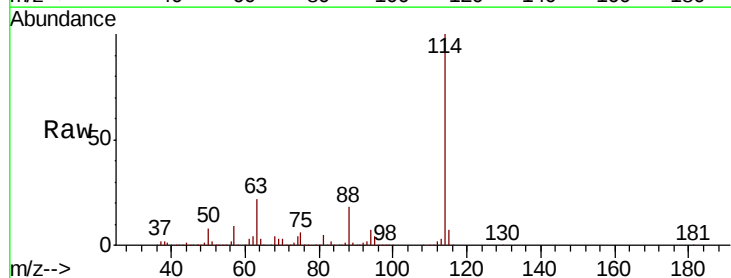


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

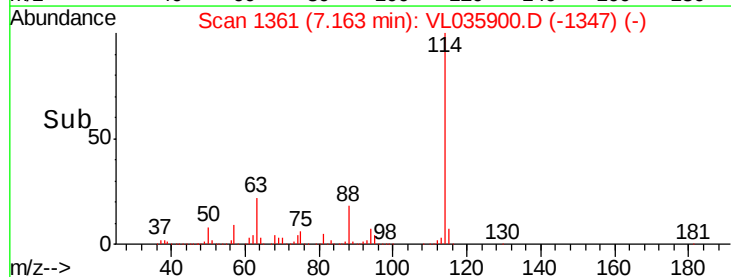
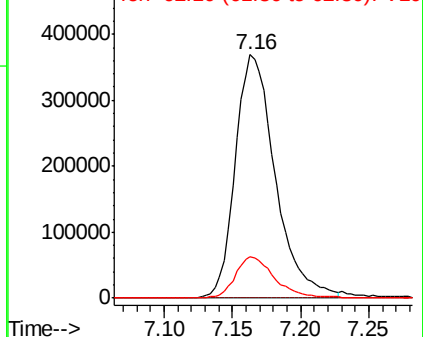


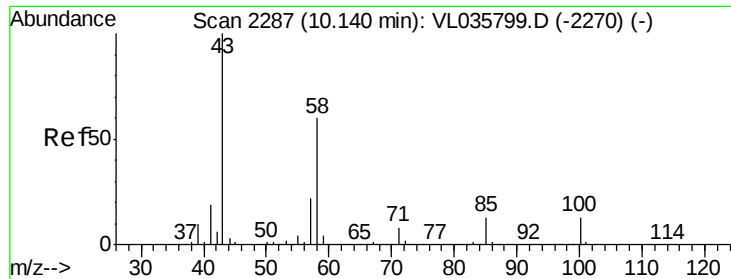
#39
 1,2-Dichloropropane
 Concen: 8.087 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL035900.D
 Acq: 10 Nov 2020 22:32

Tgt Ion: 63 Resp: 753796
 Ion Ratio Lower Upper
 63 100
 41 0.1 43.8 65.6#
 62 16.9 56.2 84.2#



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

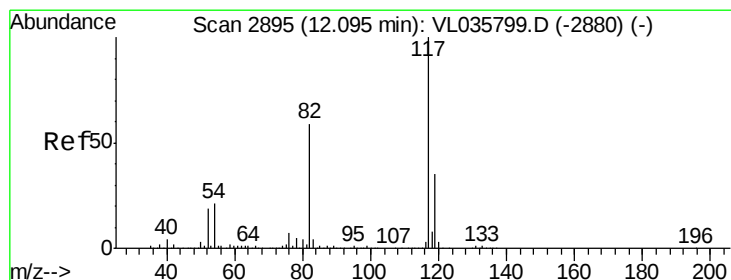
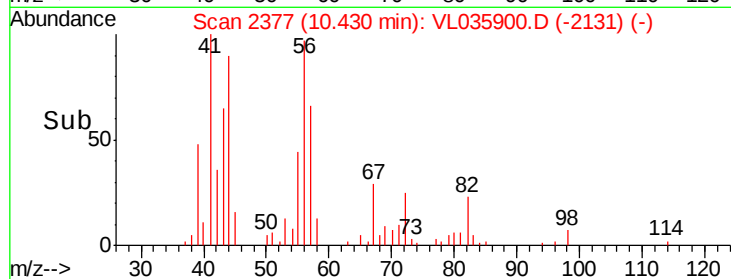
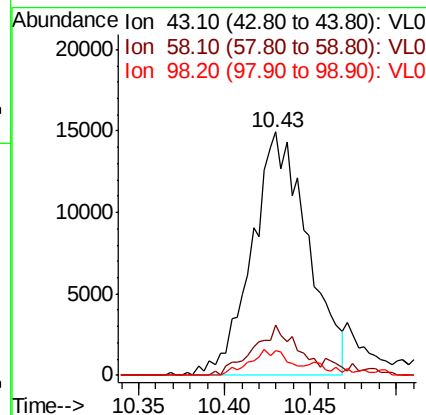
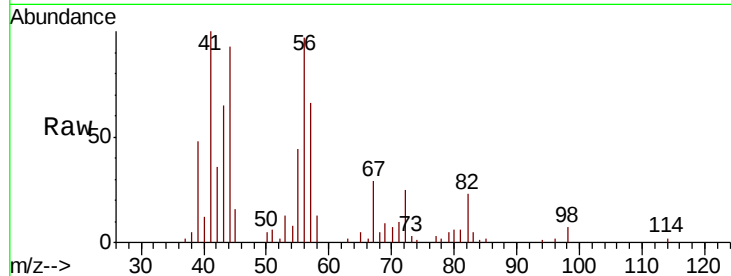




#51
2-Hexanone
Concen: 0.227 ppbv
RT: 10.43 min Scan# 2377
Delta R.T. 0.29 min
Lab File: VL035900.D
Acq: 10 Nov 2020 22:32

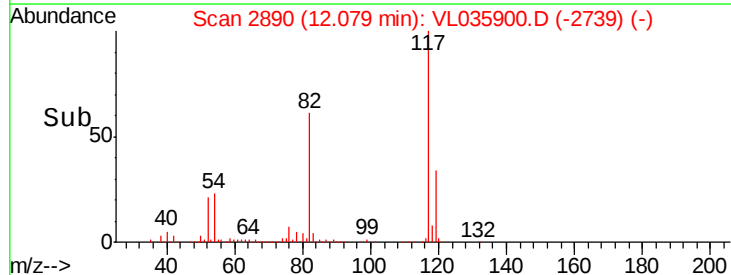
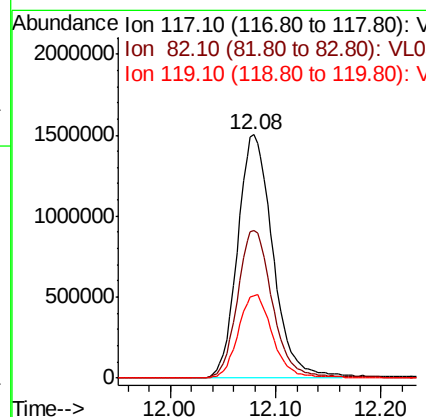
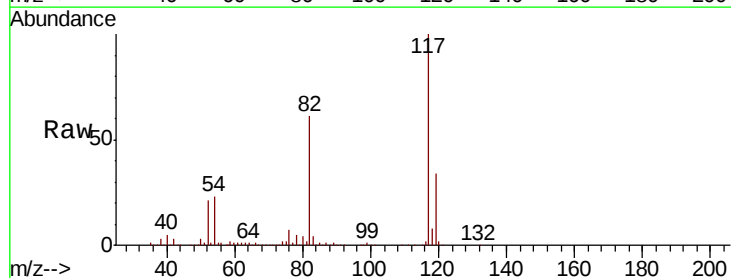
Instrument :
MSVOA_L
ClientSampleId :

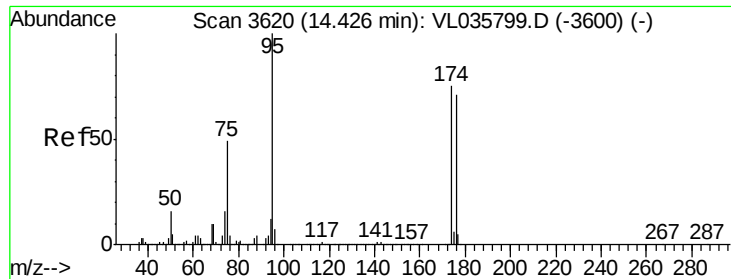
Tot Ion: 43 Resp: 33657
Ion Ratio Lower Upper
43 100
58 19.7 48.3 72.5#
98 10.7 0.6 0.8#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035900.D
Acq: 10 Nov 2020 22:32

Tgt Ion: 117 Resp: 3471403
Ion Ratio Lower Upper
117 100
82 61.6 50.6 76.0
119 34.1 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.347 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL035900.D

Acq: 10 Nov 2020 22:32

Instrument :

MSVOA_L

ClientSampleId :

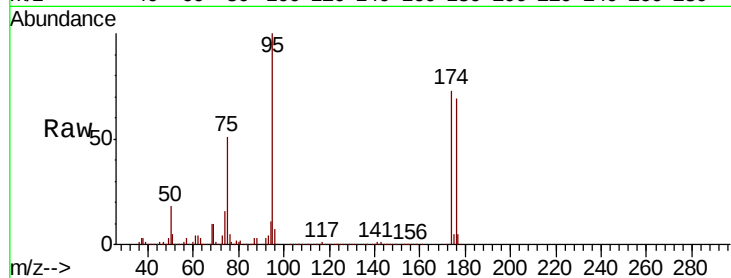
Tot Ion: 95 Resp: 2552002

Ion Ratio Lower Upper

95 100

174 75.1 59.8 89.6

175 5.2 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

