

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072320\
 Data File : VL035224.D
 Acq On : 23 Jul 2020 10:55
 Operator : SY/AP
 Sample : VL0723ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 24 05:52:08 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	1061489	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2618706	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2461399	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1989647	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

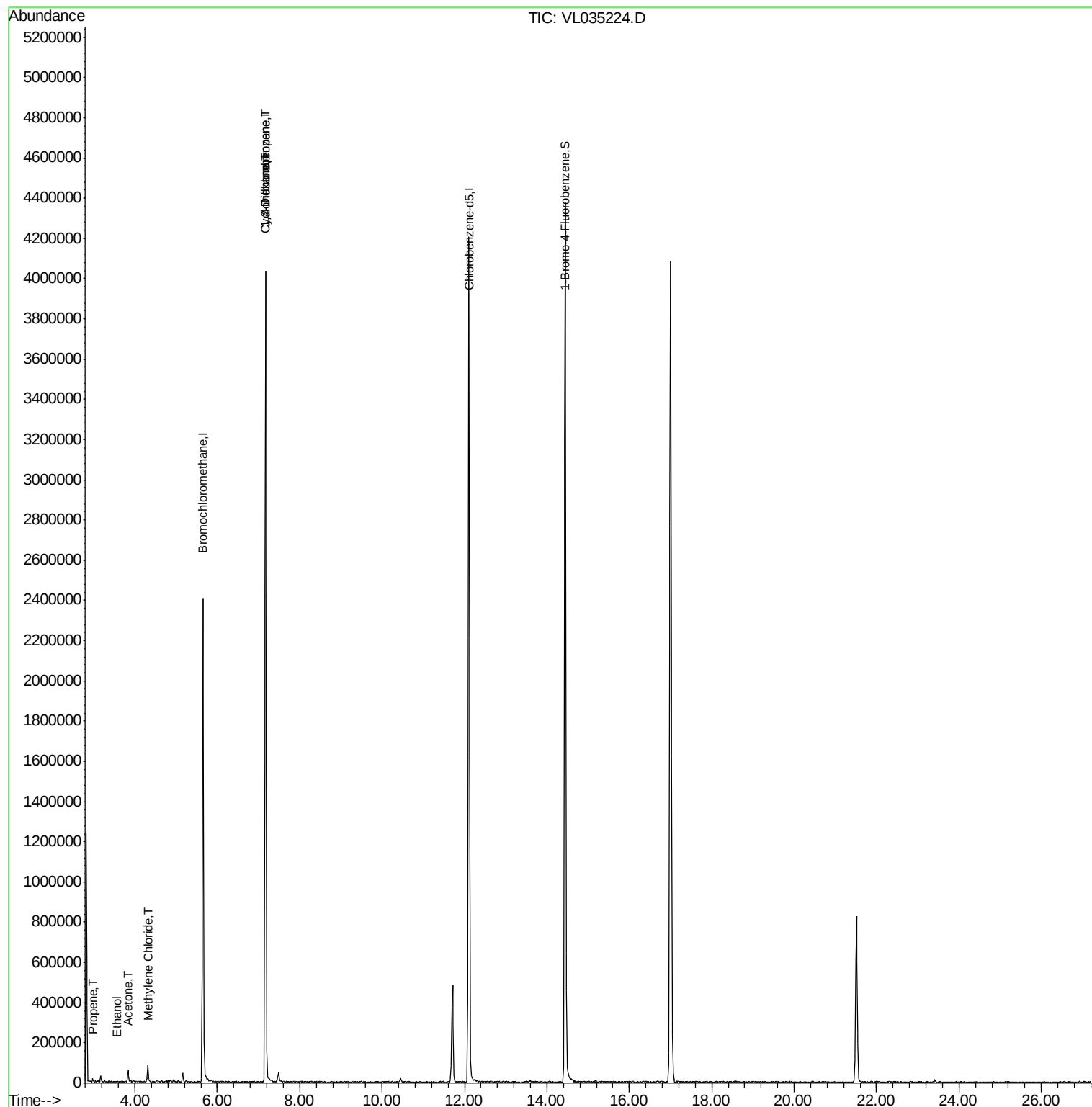
Target Compounds					Ovalue
9) Propene	2.97	41	2143	0.048 ppbv	86
13) Ethanol	3.57	45	619	0.044 ppbv #	35
15) Acetone	3.84	43	53050	0.369 ppbv #	72
20) Methylene Chloride	4.31	84	24083	0.385 ppbv	96
30) Cyclohexane	7.16	84	7088	0.097 ppbv #	1
39) 1,2-Dichloropropane	7.17	63	705693	9.363 ppbv #	22

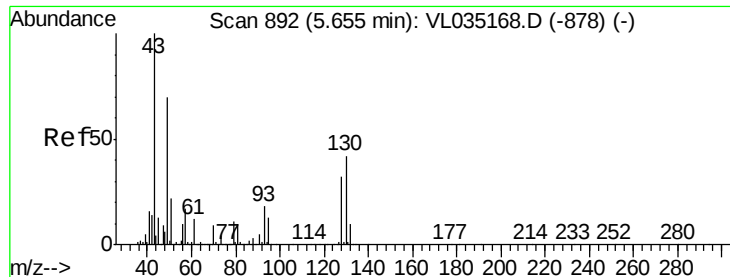
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035224.D

Acq: 23 Jul 2020 10:55

Instrument :
MSVOA_L
ClientSampleId :

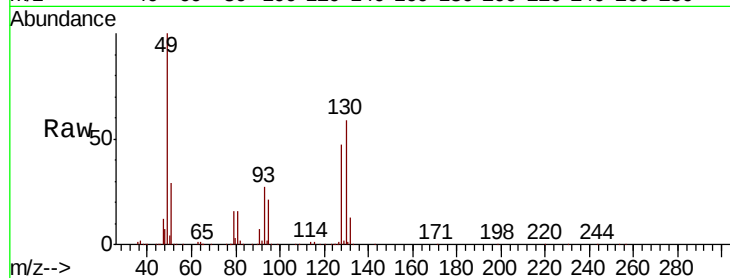
Tot Ion: 49 Resp: 1061489

Ion Ratio Lower Upper

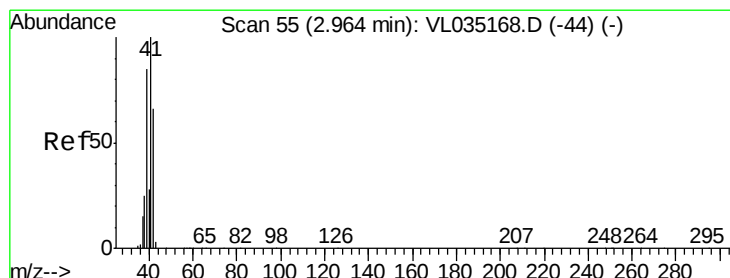
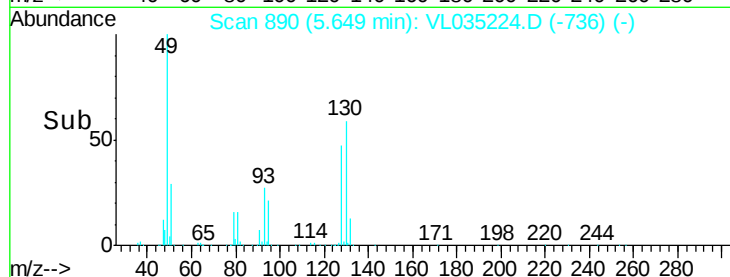
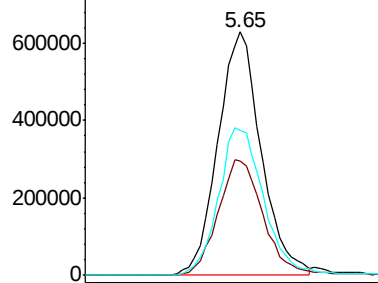
49 100

128 50.1 23.8 71.4

130 64.4 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: 0.048 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035224.D

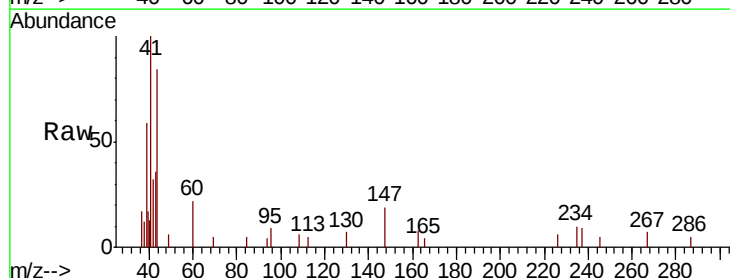
Acq: 23 Jul 2020 10:55

Tgt Ion: 41 Resp: 2143

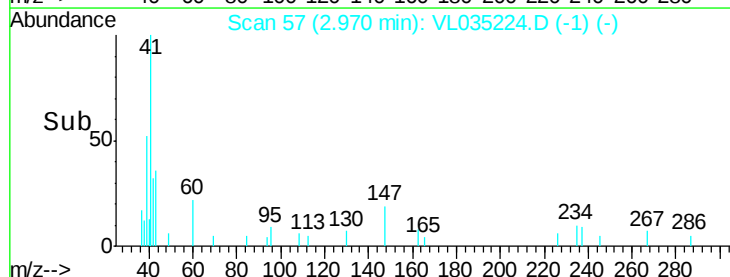
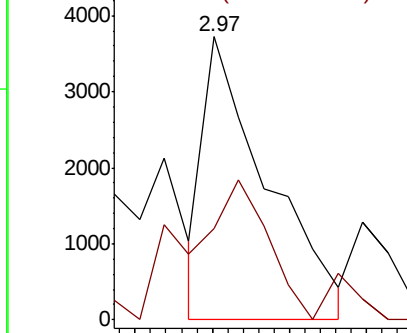
Ion Ratio Lower Upper

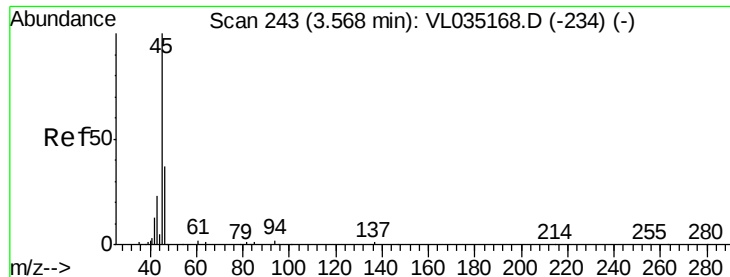
41 100

42 79.6 54.6 81.8



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

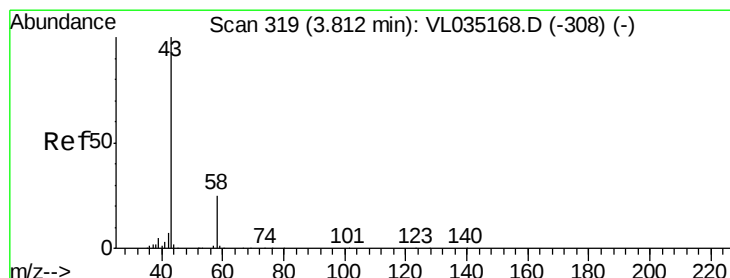
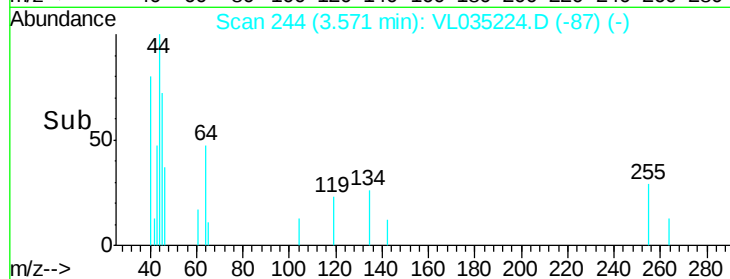
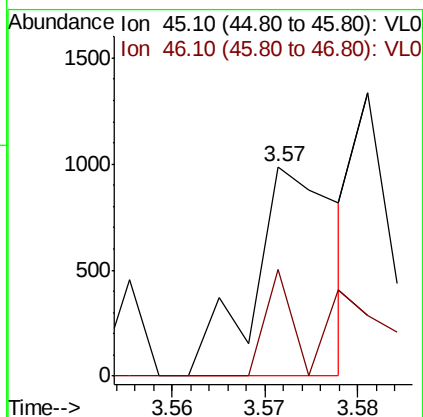
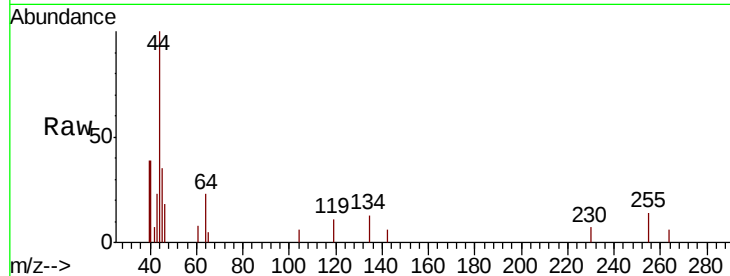




#13
Ethanol
Concen: 0.044 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL035224.D
Acq: 23 Jul 2020 10:55

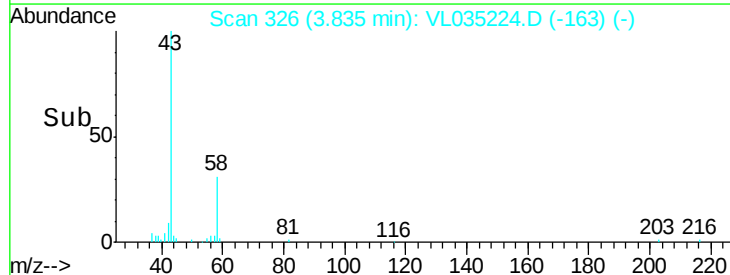
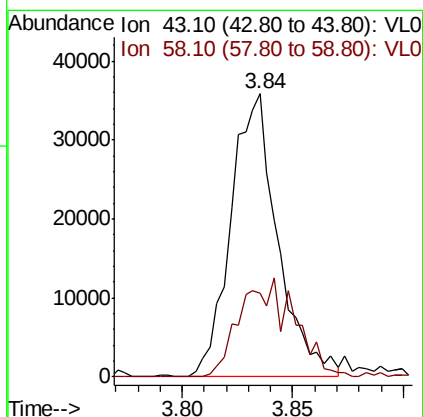
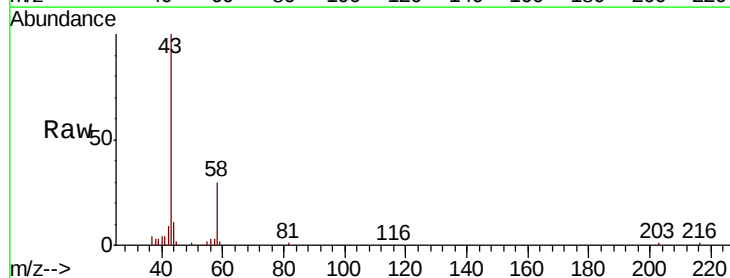
Instrument :
MSVOA_L
ClientSampleId :

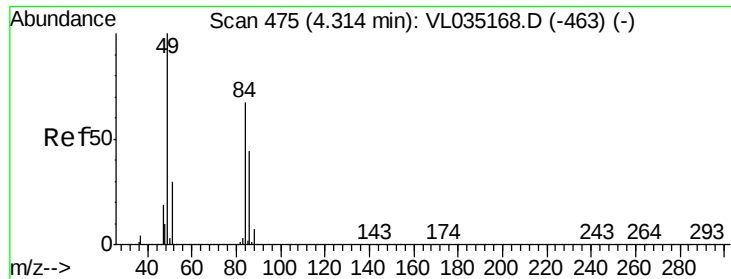
Tot Ion: 45 Resp: 619
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#



#15
Acetone
Concen: 0.369 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL035224.D
Acq: 23 Jul 2020 10:55

Tgt Ion: 43 Resp: 53050
Ion Ratio Lower Upper
43 100
58 41.2 21.3 31.9#

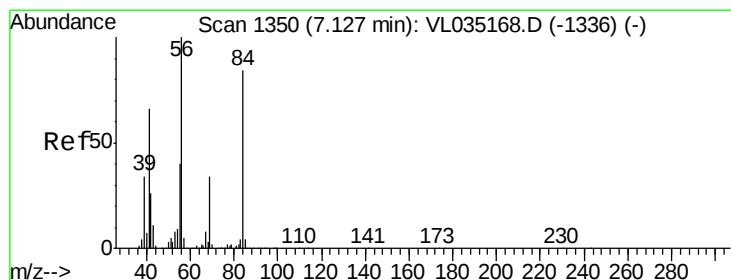
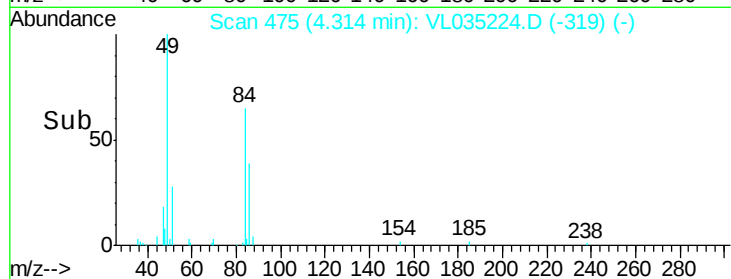
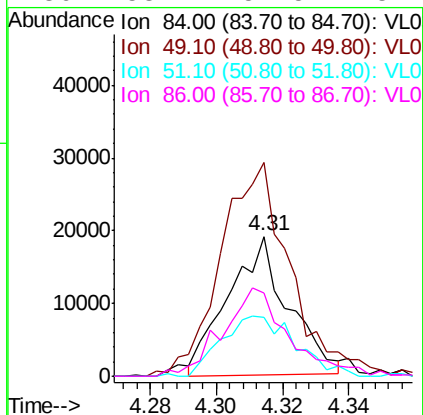
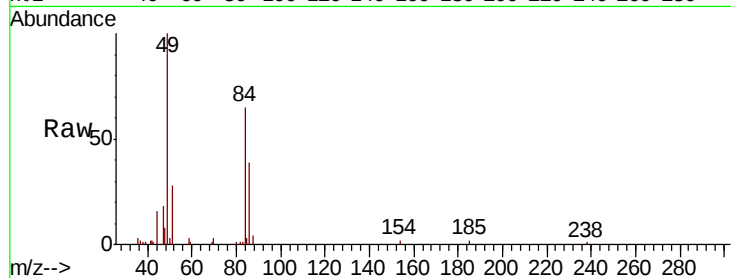




#20
Methvlene Chloride
Concen: 0.385 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035224.D
Acq: 23 Jul 2020 10:55

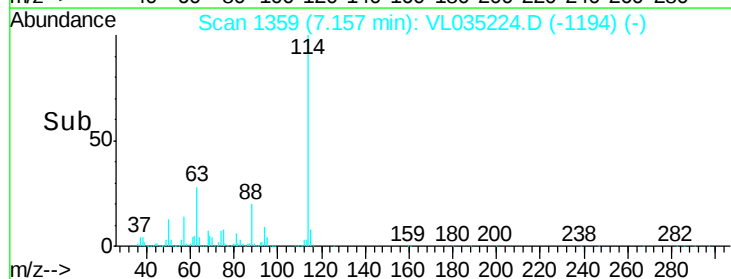
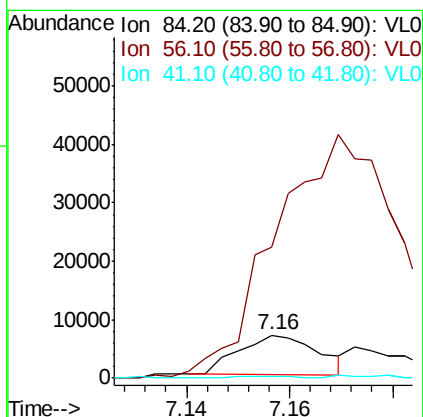
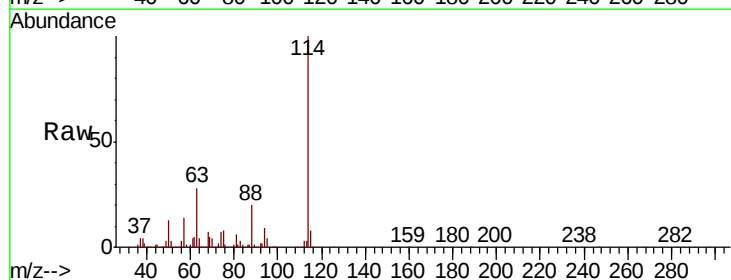
Instrument :
MSVOA_L
ClientSampleId :

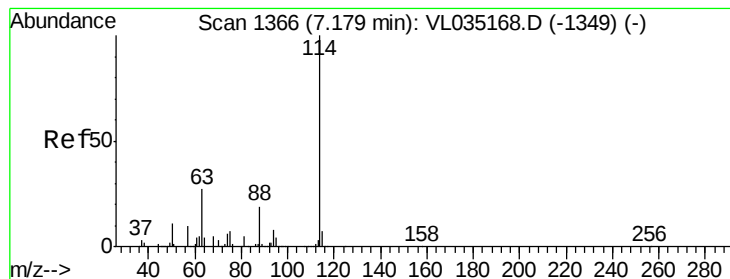
Tot Ion:	84	Resp:	24083
Ion	Ratio	Lower	Upper
84	100		
49	151.7	119.4	179.0
51	46.9	36.6	55.0
86	58.2	52.5	78.7



#30
Cyclohexane
Concen: 0.097 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.03 min
Lab File: VL035224.D
Acq: 23 Jul 2020 10:55

Tgt Ion:	84	Resp:	7088
Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.6	158.4#
41	0.0	64.9	97.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035224.D

Acq: 23 Jul 2020 10:55

Instrument :

MSVOA_L

ClientSampleId :

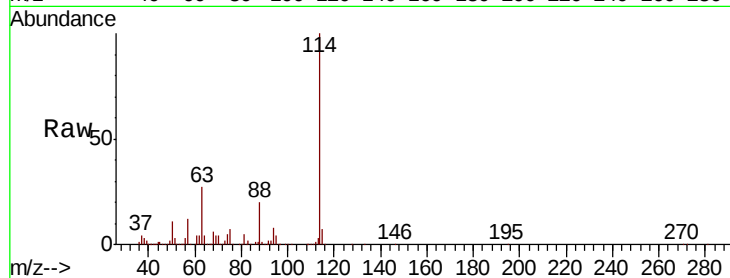
Tot Ion:114 Resp: 2618706

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

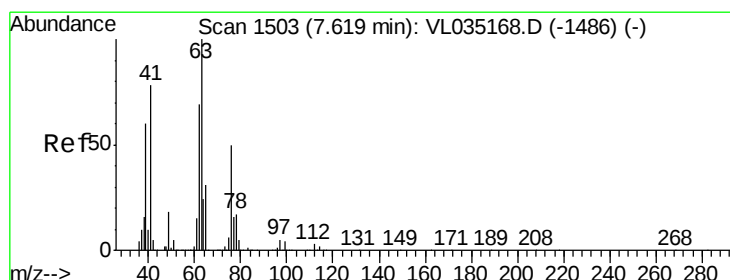
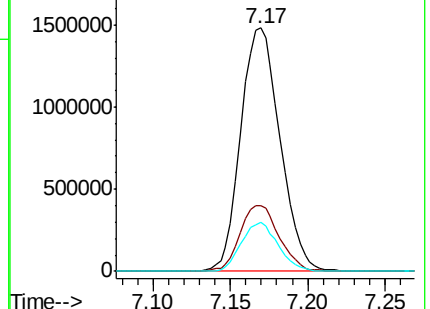
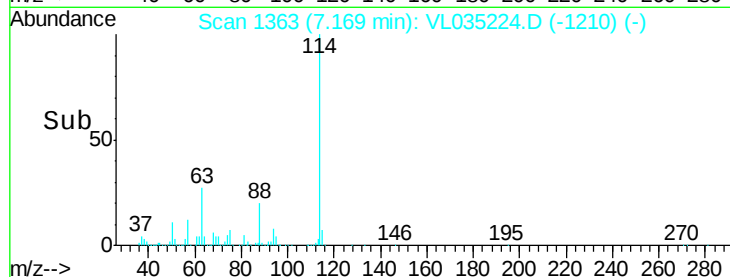
88 19.0 15.4 23.0



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: 9.363 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL035224.D

Acq: 23 Jul 2020 10:55

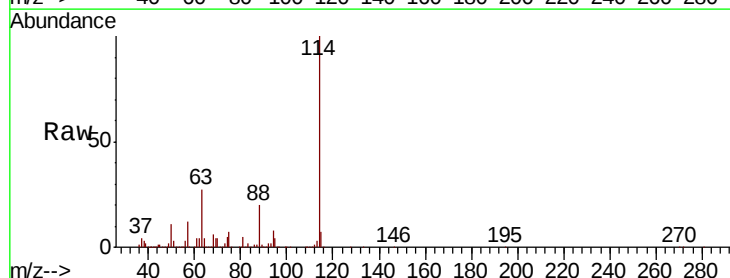
Tgt Ion: 63 Resp: 705693

Ion Ratio Lower Upper

63 100

41 0.1 62.6 94.0#

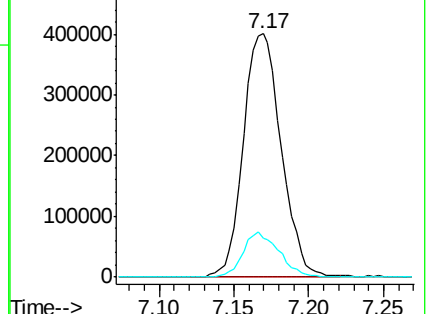
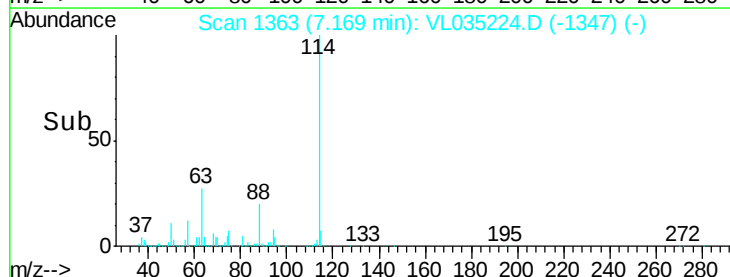
62 15.8 55.0 82.6#

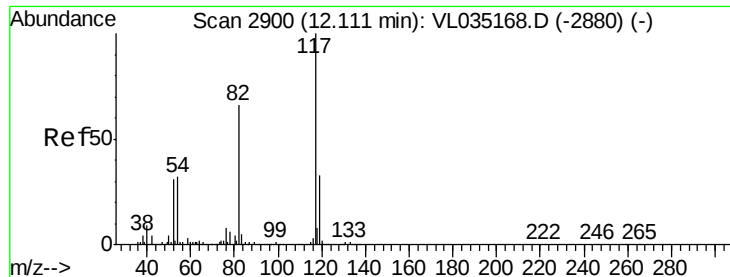


Abundance Ion 63.10 (62.80 to 63.80): VL0

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# 2898

Delta R.T. -0.01 min

Lab File: VL035224.D

Acq: 23 Jul 2020 10:55

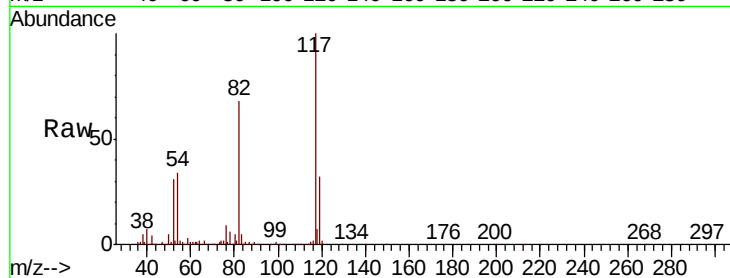
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2461399

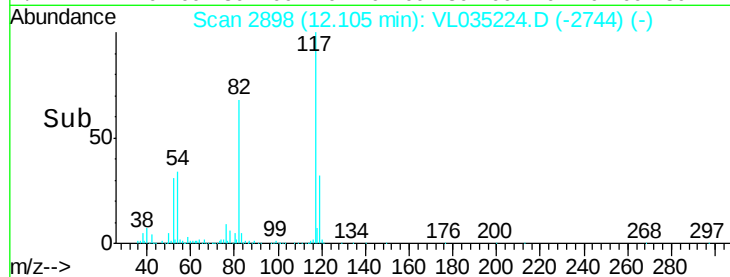
Ion	Ratio	Lower	Upper
117	100		
82	68.7	52.3	78.5
119	33.3	24.9	37.3



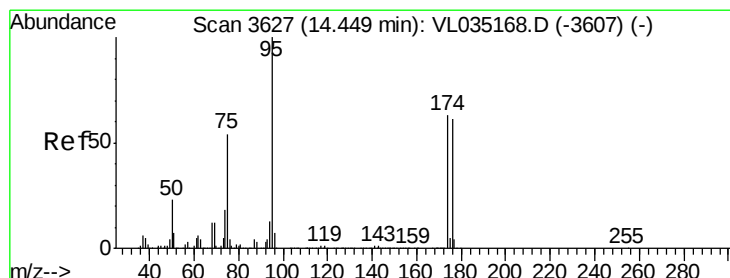
Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 14.44 min Scan# 3624

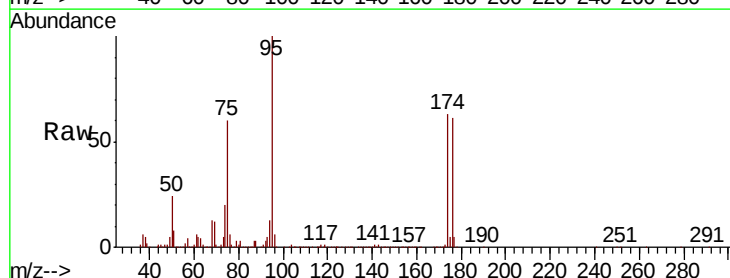
Delta R.T. -0.01 min

Lab File: VL035224.D

Acq: 23 Jul 2020 10:55

Tgt Ion: 95 Resp: 1989647

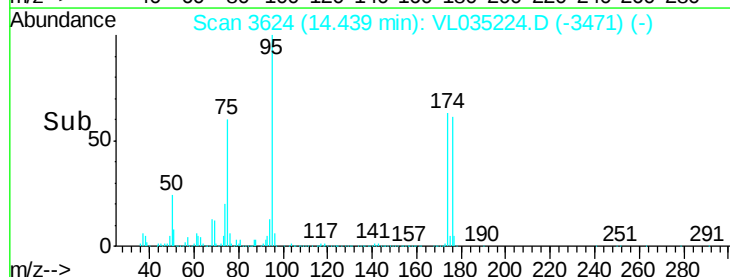
Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.2	78.2
175	4.7	4.0	6.0



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



Time-->