

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035991.D
 Acq On : 19 Nov 2020 2:40
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 19 08:14:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.63	49	1035133	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3587098	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3338834	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2473416	10.43	ppbv	-0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

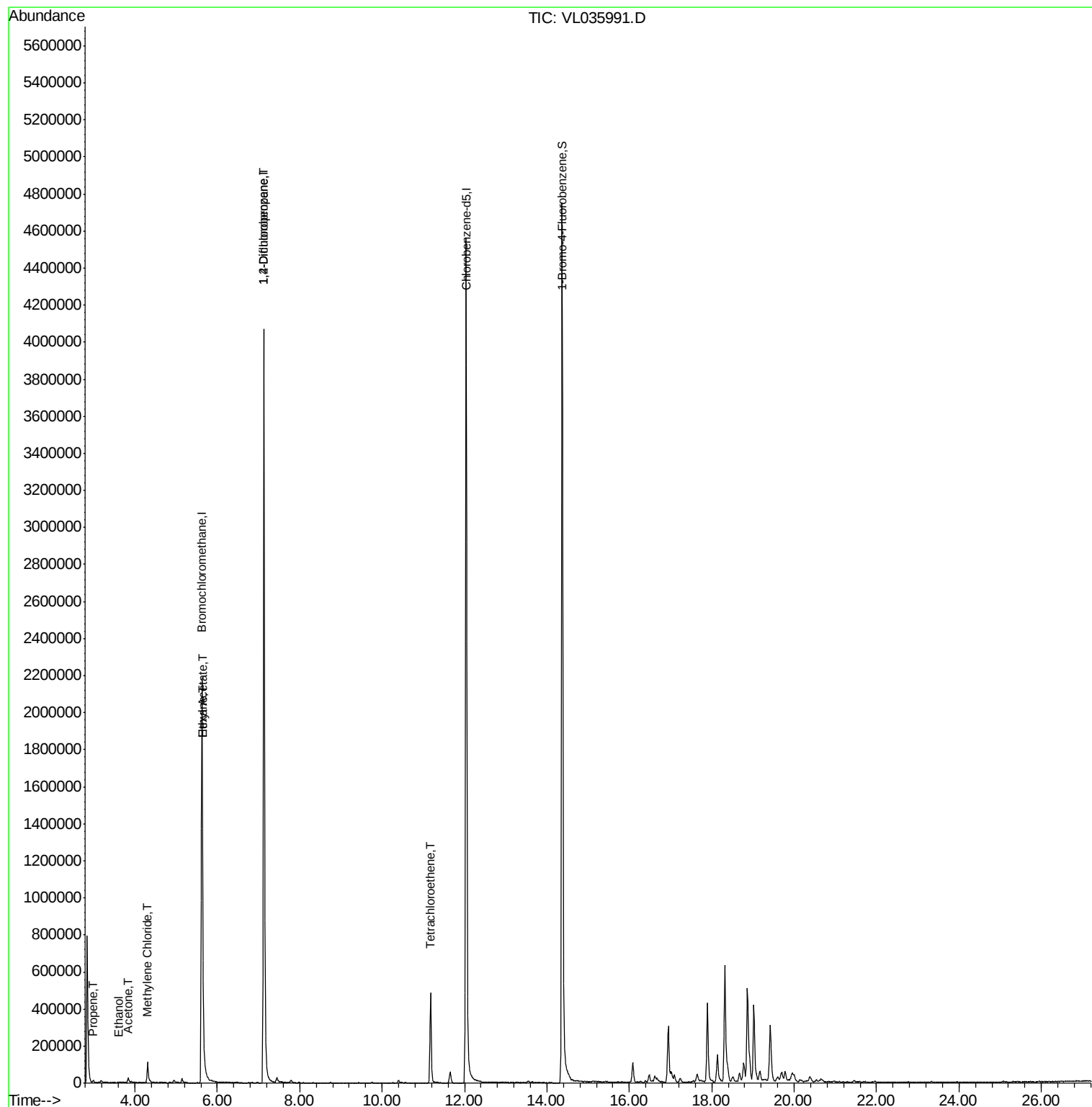
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	1439	0.032	ppbv #	15
13) Ethanol	3.59	45	1715	0.174	ppbv #	35
15) Acetone	3.83	43	12476	0.113	ppbv #	40
20) Methylene Chloride	4.30	84	63139	0.810	ppbv	94
25) Ethyl Acetate	5.65	43	13726	0.063	ppbv #	72
26) Hexane	5.65	57	16177	0.135	ppbv #	38
39) 1,2-Dichloropropane	7.13	63	738290	8.223	ppbv #	30
52) Tetrachloroethene	11.18	164	132985	1.053	ppbv	97

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 883

Delta R.T. -0.04 min

Lab File: VL035991.D

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Instrument :

MSVOA_L

ClientSampled :

VIBLK

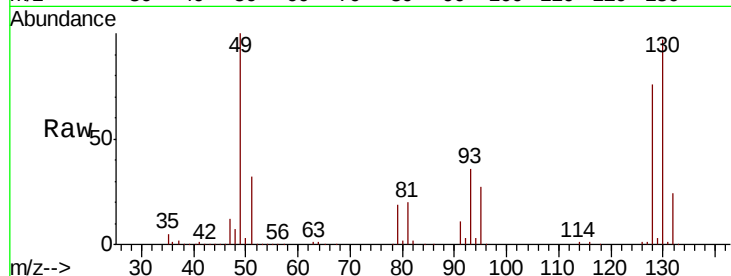
Tot Ion: 49 Resp: 1035133

Ion Ratio Lower Upper

49 100

128 76.1 41.5 124.6

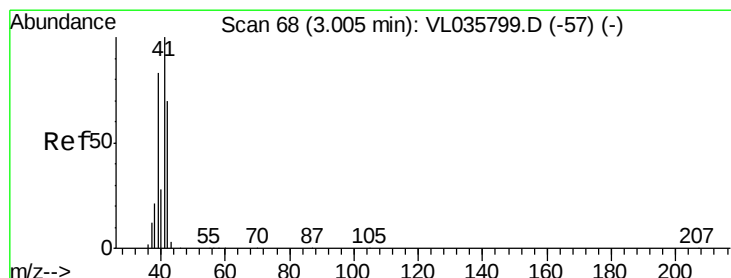
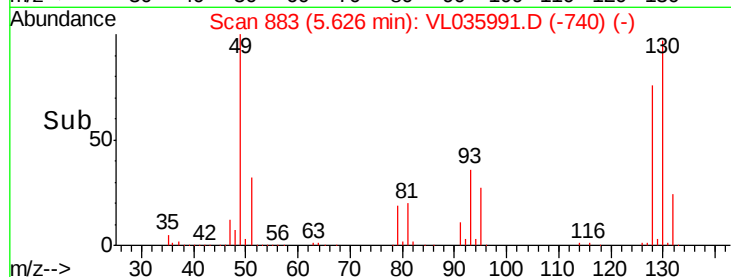
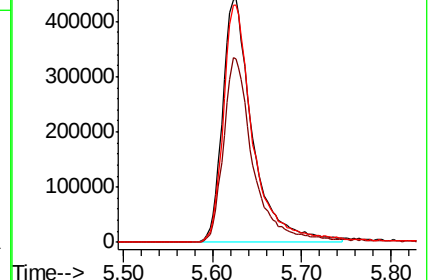
130 99.2 53.7 161.1



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: 0.032 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.03 min

Lab File: VL035991.D

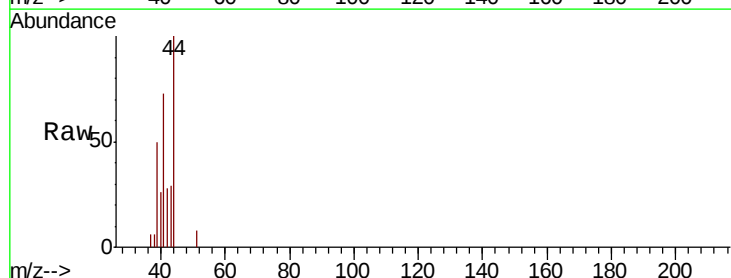
Acq: 19 Nov 2020 2:40

Tgt Ion: 41 Resp: 1439

Ion Ratio Lower Upper

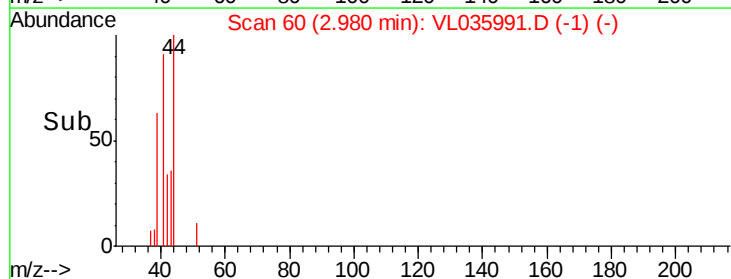
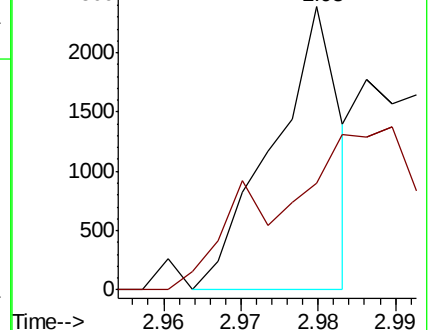
41 100

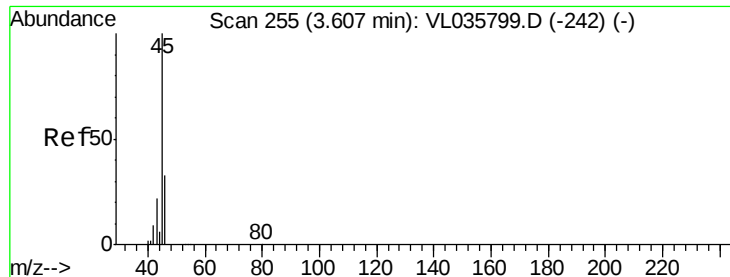
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.174 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035991.D

Acq: 19 Nov 2020 2:40

Instrument :

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ClientSampleId :

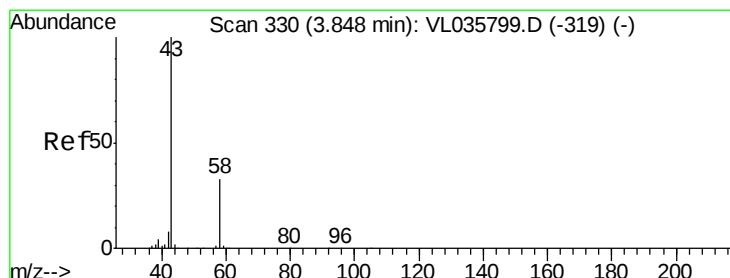
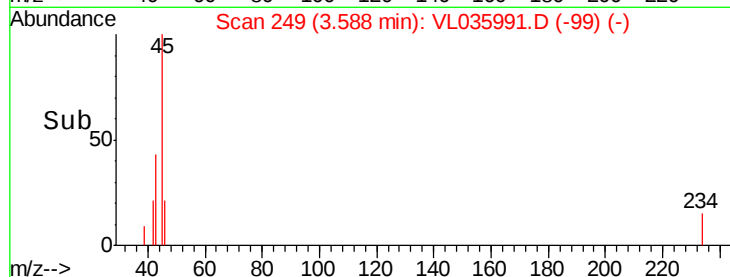
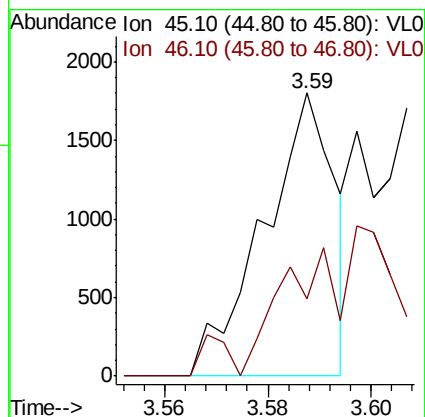
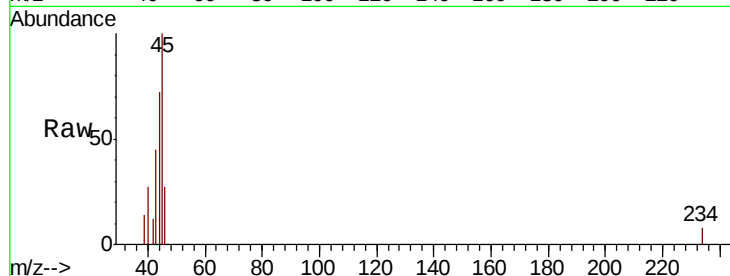
VIBLK

Tot Ion: 45 Resp: 1715

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 0.113 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035991.D

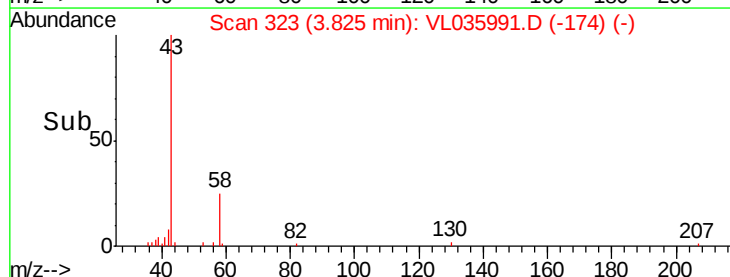
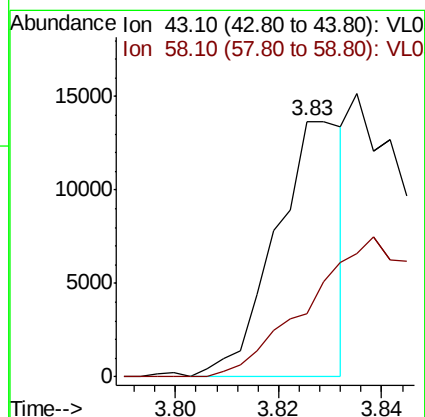
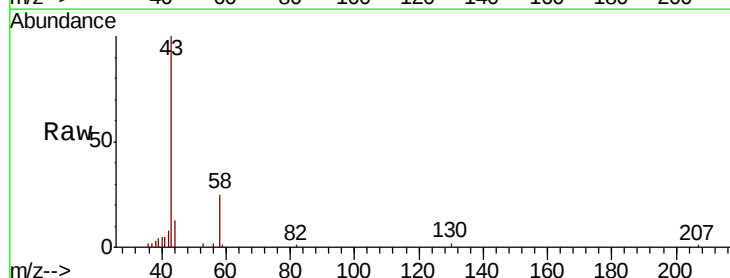
Acq: 19 Nov 2020 2:40

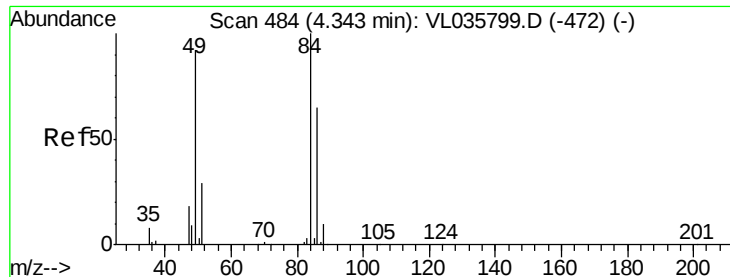
Tgt Ion: 43 Resp: 12476

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#

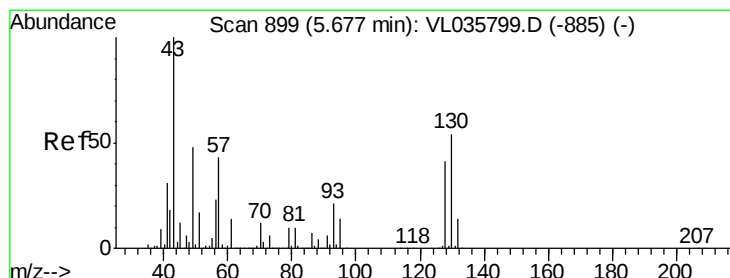
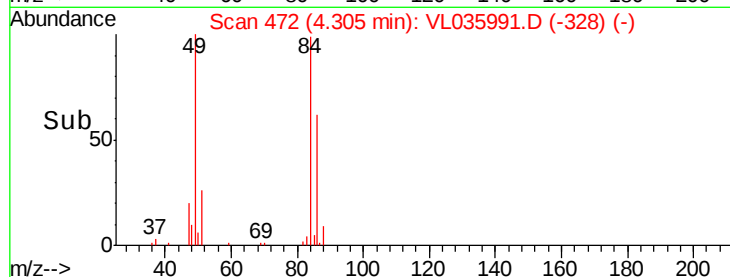
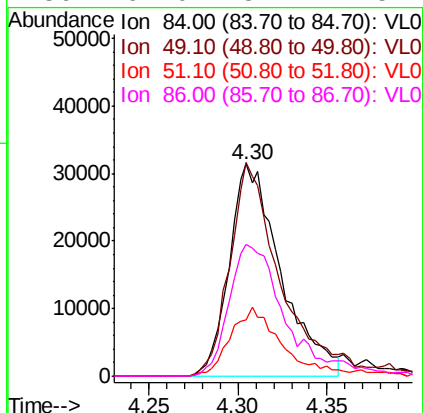
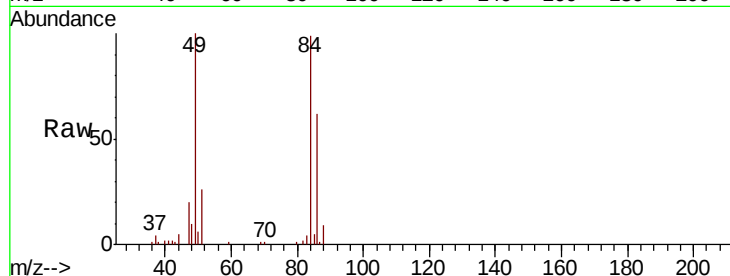




#20
Methvlene Chloride
Concen: 0.810 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.04 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

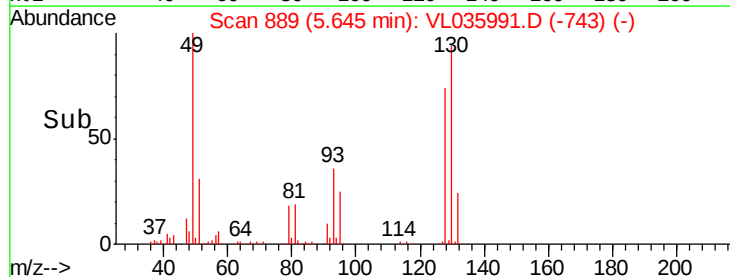
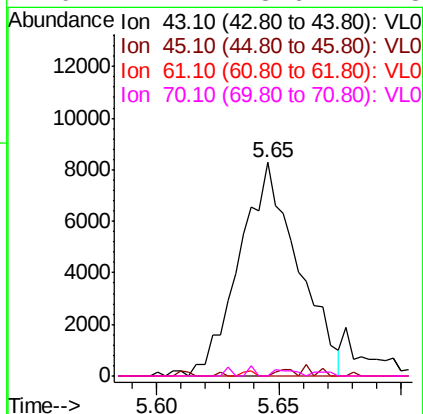
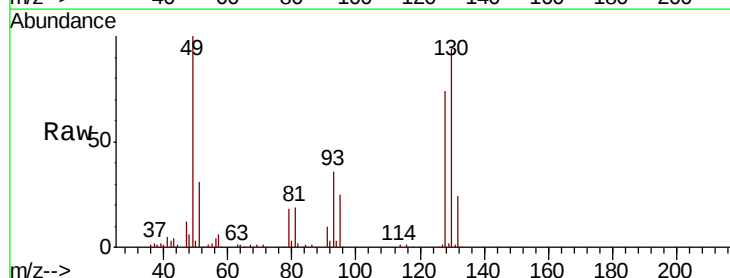
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

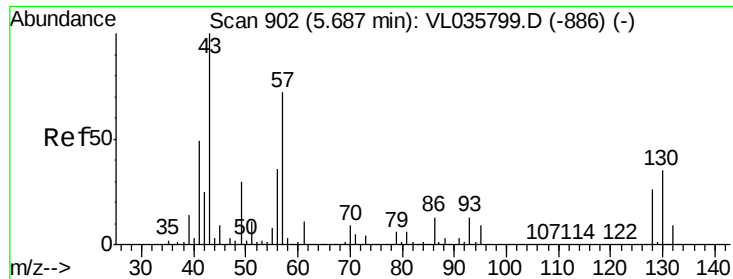
Tot Ion:	84	Resp:	63139
Ion	Ratio	Lower	Upper
84	100		
49	100.8	73.8	110.8
51	26.7	23.0	34.4
86	62.0	52.1	78.1



#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

Tgt Ion:	43	Resp:	13726
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.5	12.7#
61	0.0	10.7	16.1#
70	2.4	8.6	12.8#

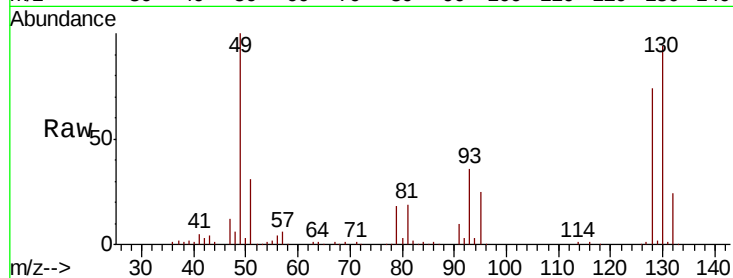




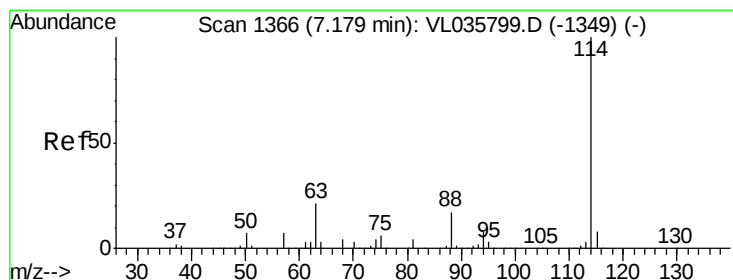
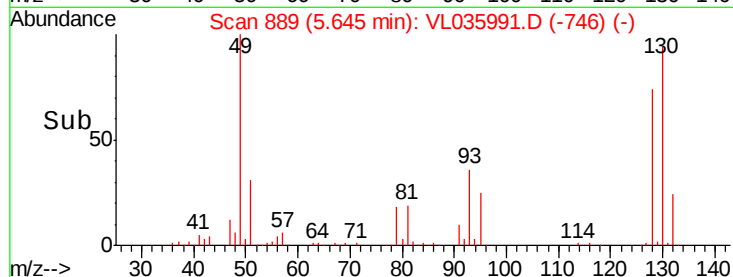
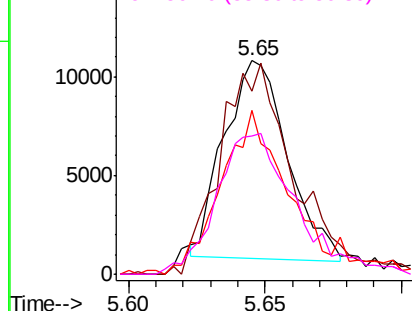
#26
Hexane
Concen: 0.135 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 57 Resp: 16177
Ion Ratio Lower Upper
57 100
41 126.1 58.9 88.3#
43 93.5 150.2 225.2#
56 90.3 42.4 63.6#

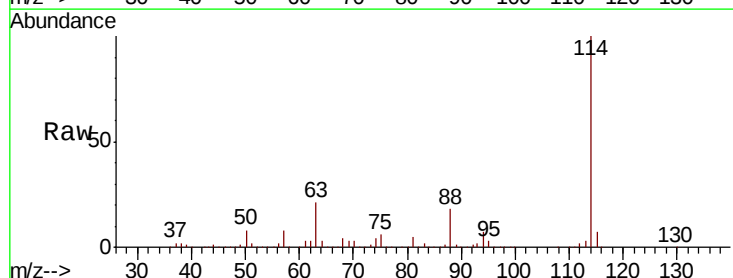


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

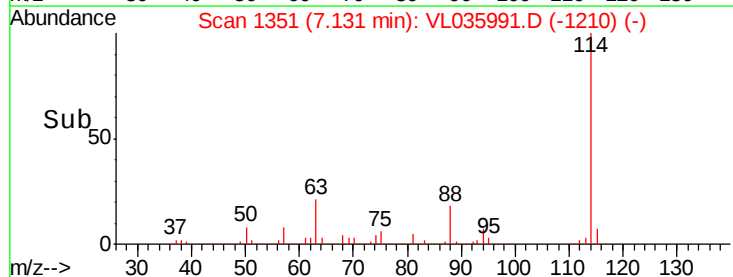
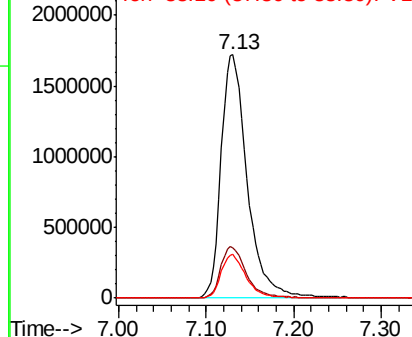


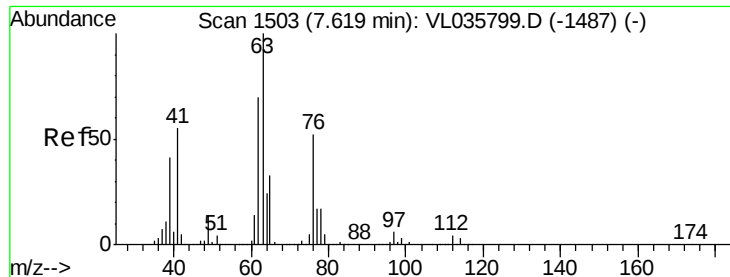
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

Tgt Ion: 114 Resp: 3587098
Ion Ratio Lower Upper
114 100
63 21.0 16.1 24.1
88 17.3 13.7 20.5



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: 8.223 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.49 min

Lab File: VL035991.D

Acq: 19 Nov 2020 2:40

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

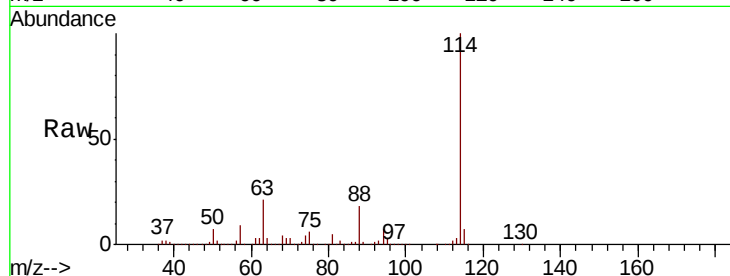
Tot Ion: 63 Resp: 738290

Ion Ratio Lower Upper

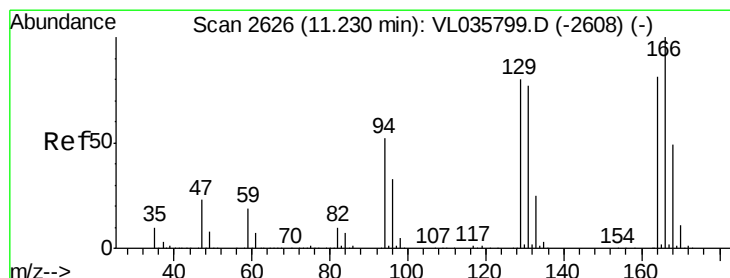
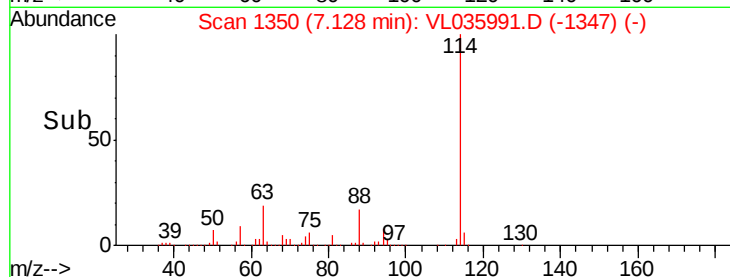
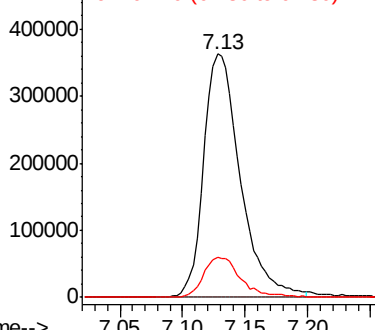
63 100

41 0.1 43.8 65.6#

62 16.3 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



#52

Tetrachloroethene

Concen: 1.053 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.05 min

Lab File: VL035991.D

Acq: 19 Nov 2020 2:40

Tgt Ion:164 Resp: 132985

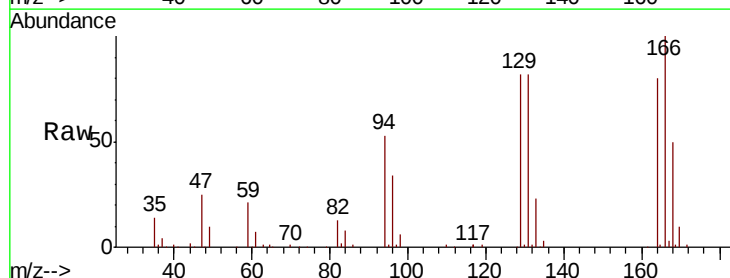
Ion Ratio Lower Upper

164 100

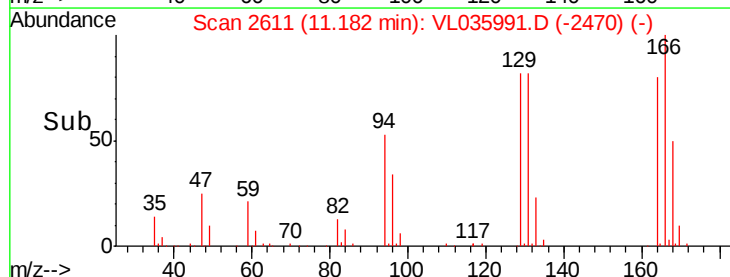
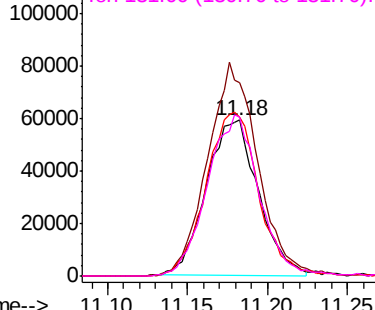
166 124.6 99.3 148.9

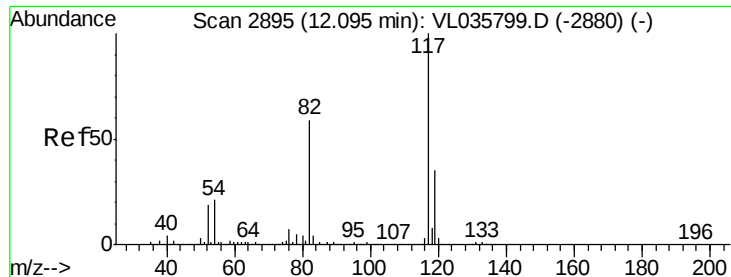
129 101.8 79.3 118.9

131 101.9 76.5 114.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

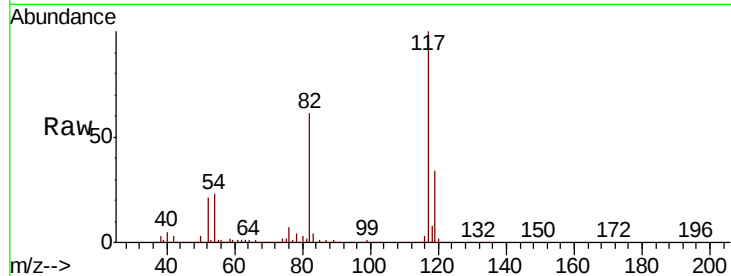




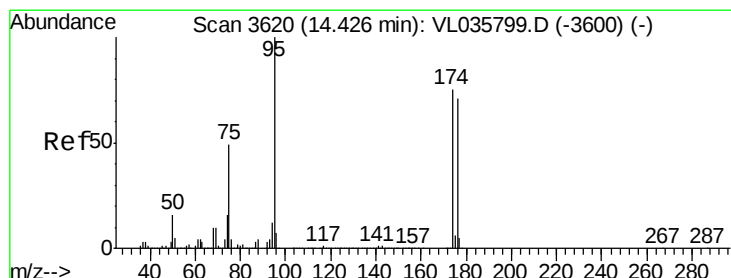
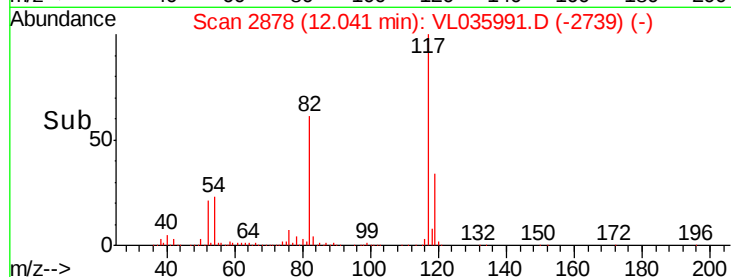
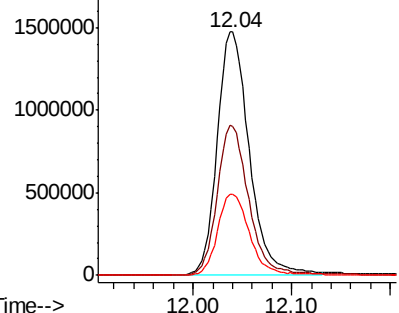
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min Scan# 2878
Delta R.T. -0.05 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

Instrument :
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Tot Ion:117 Resp: 3338834
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 34.0 52.6 78.8#

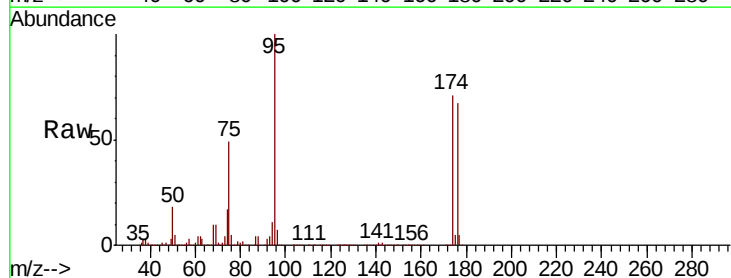


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.427 ppbv
RT: 14.37 min Scan# 3602
Delta R.T. -0.06 min
Lab File: VL035991.D
Acq: 19 Nov 2020 2:40

Tgt Ion: 95 Resp: 2473416
Ion Ratio Lower Upper
95 100
174 71.4 59.8 89.6
175 4.9 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

