

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035158.D
 Acq On : 6 Jul 2020 22:59
 Operator : SY/AP
 Sample : L3190-01 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PERM-01DL

Quant Time: Jul 07 05:06:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	943523	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2216517	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2082792	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1761625	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

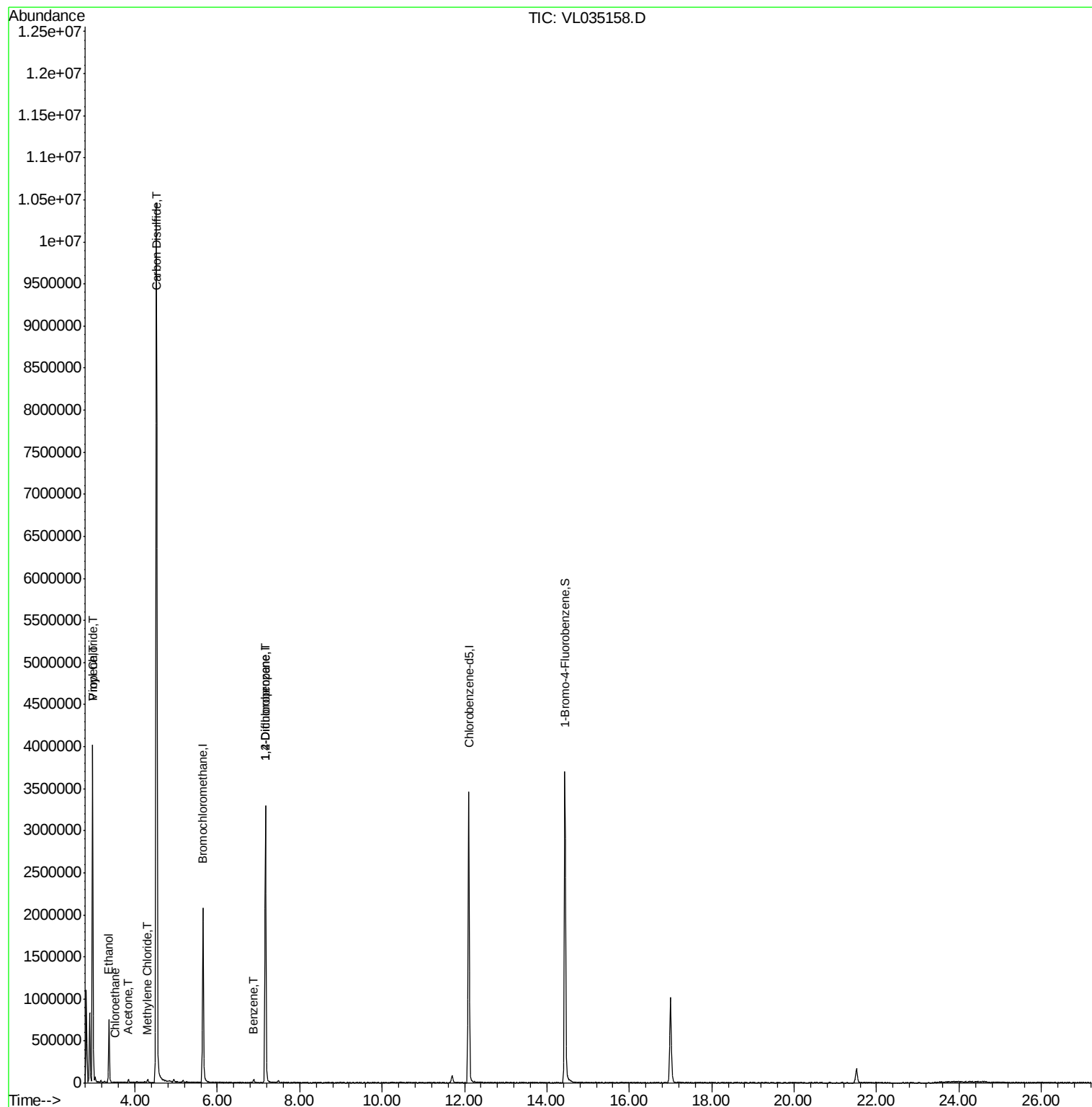
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	2.97	62	293685	5.286	ppbv #	46
7) Chloroethane	3.51	64	1159	0.055	ppbv #	44
9) Propene	2.96	41	18399	0.446	ppbv	100
13) Ethanol	3.37	45	236345	15.158	ppbv	79
15) Acetone	3.84	43	34227	0.300	ppbv #	67
20) Methylene Chloride	4.31	84	7689	0.167	ppbv #	77
27) Carbon Disulfide	4.52	76	12324571	128.307	ppbv #	72
36) Benzene	6.88	78	31576	0.184	ppbv #	90
39) 1,2-Dichloropropane	7.17	63	601526	8.961	ppbv #	24

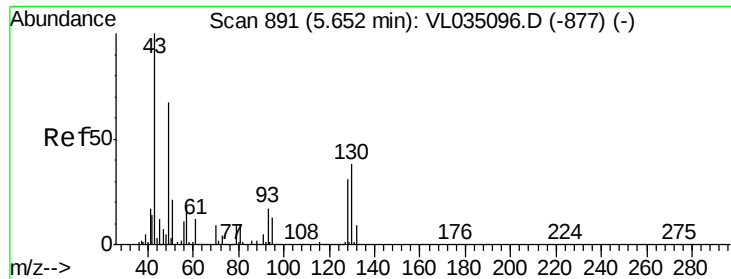
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035158.D

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Instrument :

MSVOA_L

ClientSampleId :

PERM-01DL

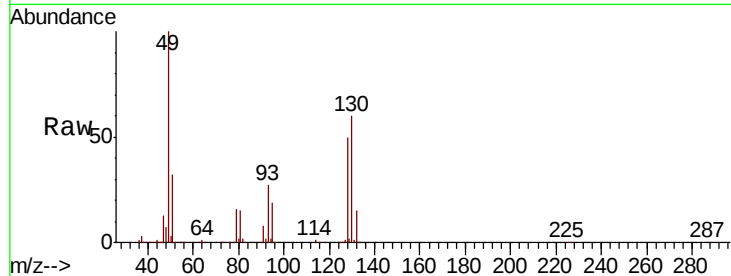
Tot Ion: 49 Resp: 943523

Ion Ratio Lower Upper

49 100

128 48.1 22.9 68.5

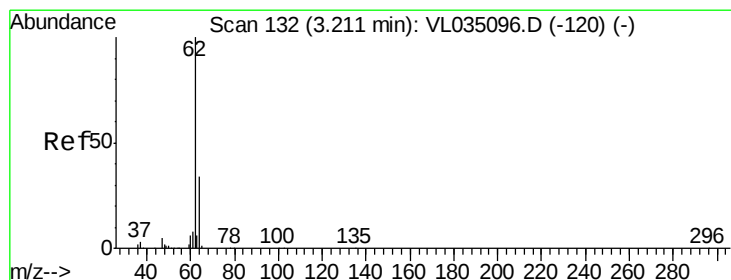
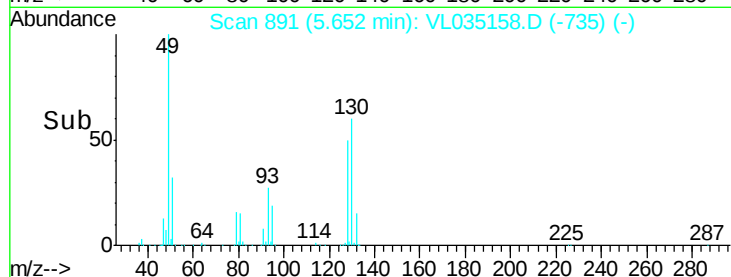
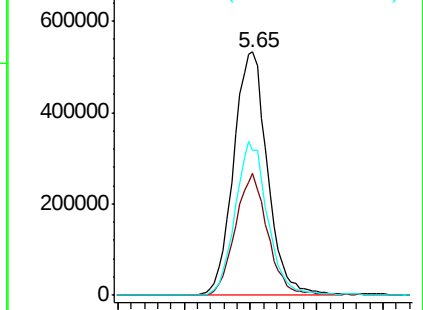
130 61.4 29.0 87.0



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



#5

Vinyl Chloride

Concen: 5.286 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.24 min

Lab File: VL035158.D

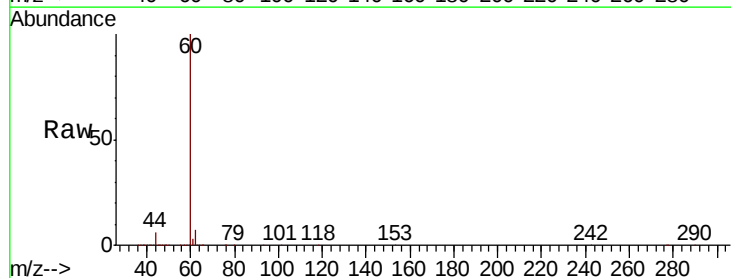
Acq: 6 Jul 2020 22:59

Tgt Ion: 62 Resp: 293685

Ion Ratio Lower Upper

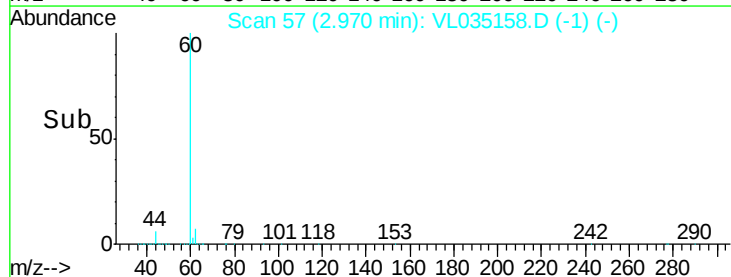
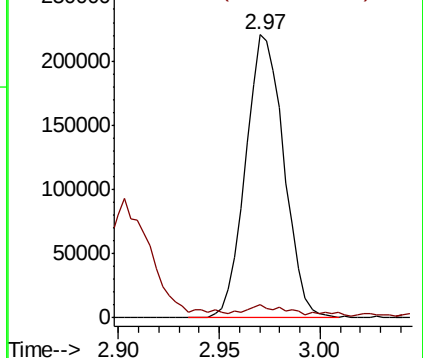
62 100

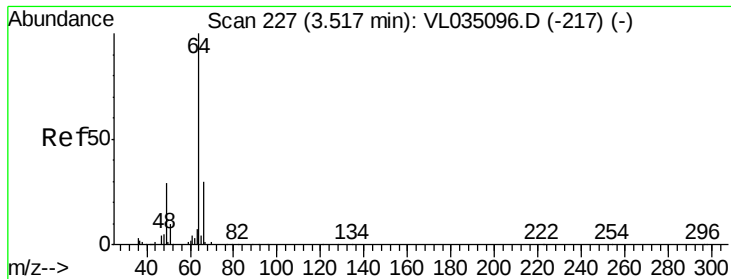
64 2.7 27.0 40.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.055 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035158.D

Acq: 6 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

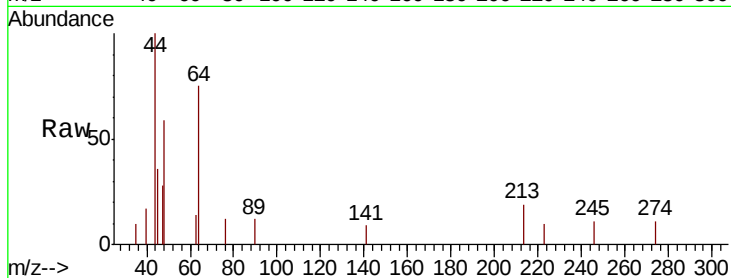
PERM-01DL

Tot Ion: 64 Resp: 1159

Ion Ratio Lower Upper

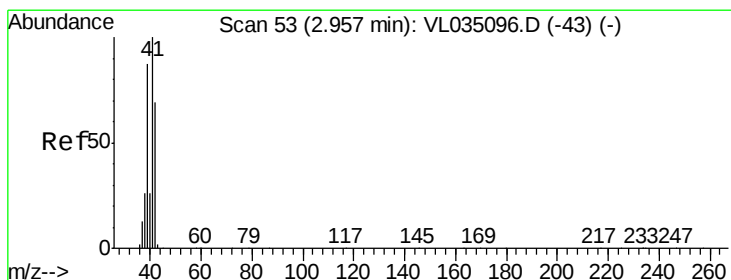
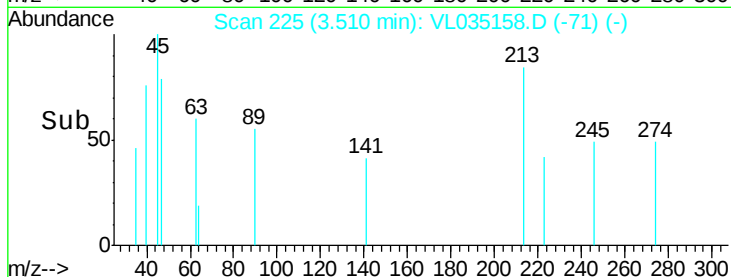
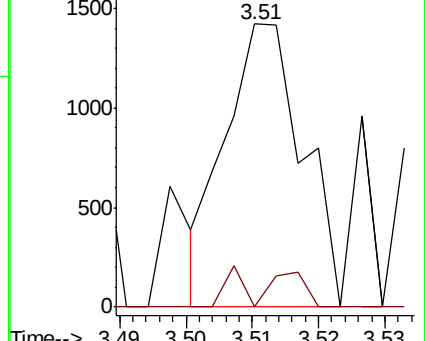
64 100

66 0.0 24.2 36.4#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.446 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL035158.D

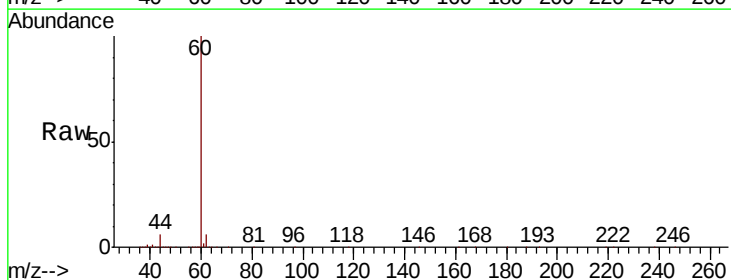
Acq: 6 Jul 2020 22:59

Tgt Ion: 41 Resp: 18399

Ion Ratio Lower Upper

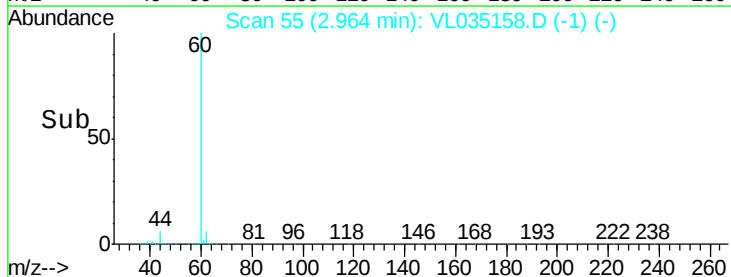
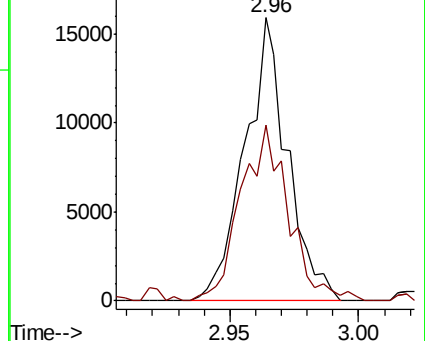
41 100

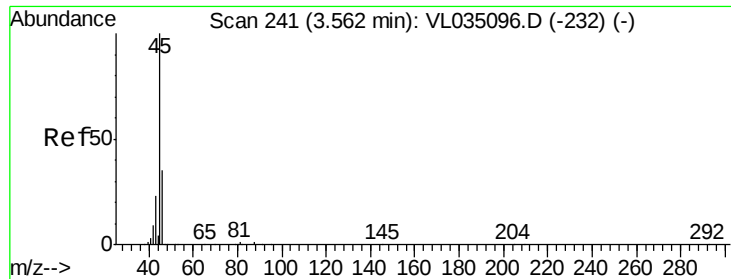
42 69.5 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 15.158 ppbv

RT: 3.37 min Scan# 181

Delta R.T. -0.19 min

Lab File: VL035158.D

Acq: 6 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

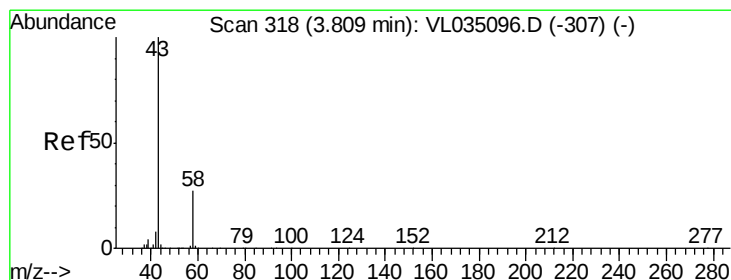
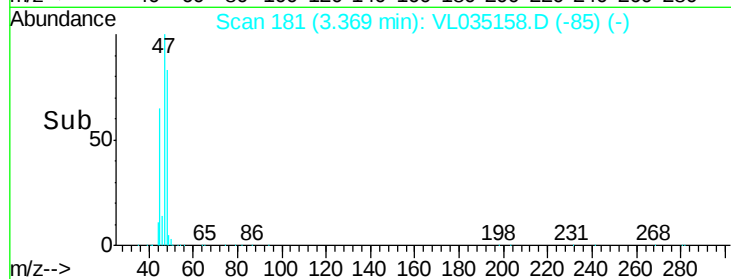
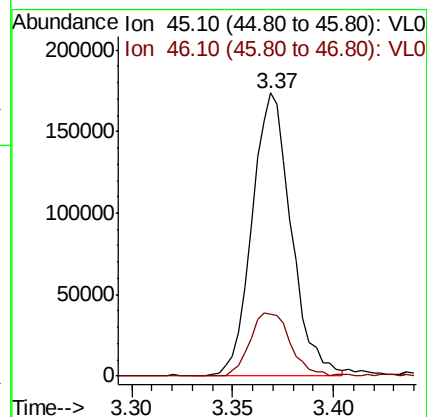
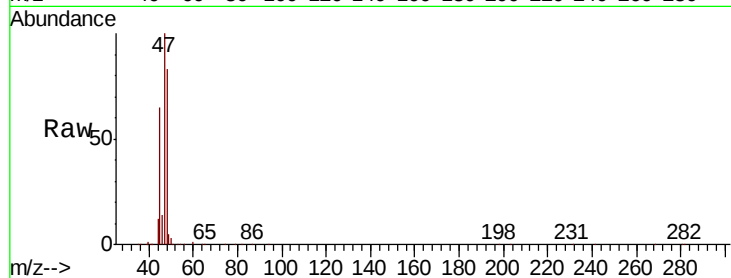
PERM-01DL

Tot Ion: 45 Resp: 236345

Ion Ratio Lower Upper

45 100

46 23.3 14.2 57.0



#15

Acetone

Concen: 0.300 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035158.D

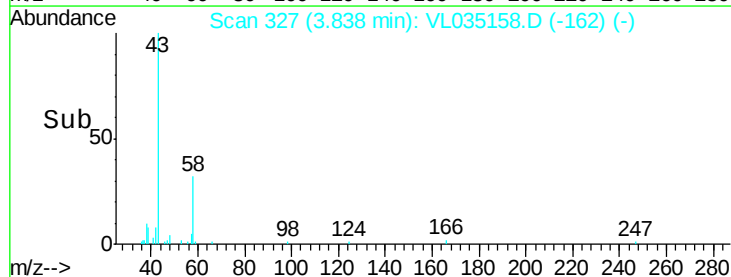
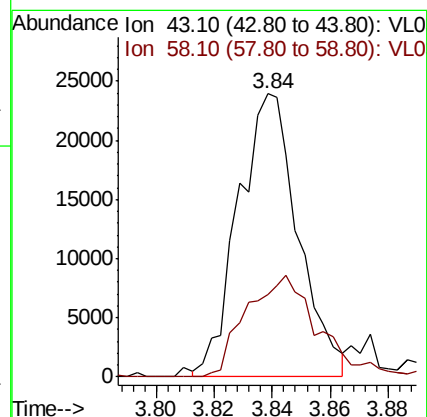
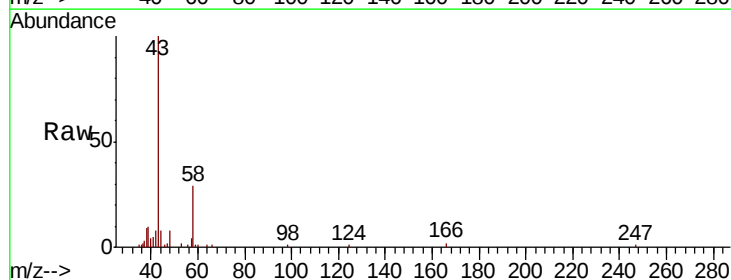
Acq: 6 Jul 2020 22:59

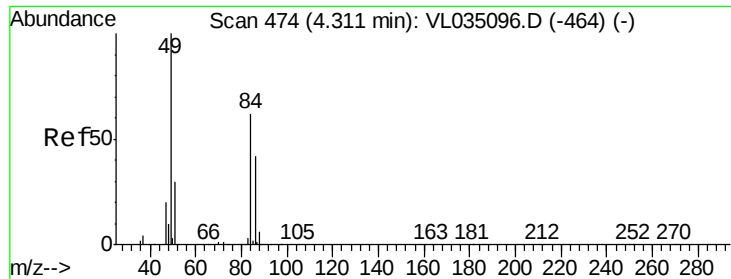
Tgt Ion: 43 Resp: 34227

Ion Ratio Lower Upper

43 100

58 44.5 21.8 32.6#

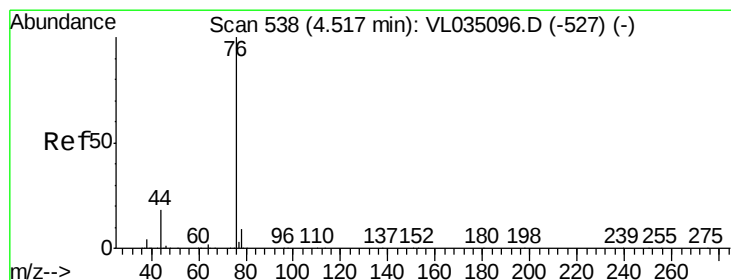
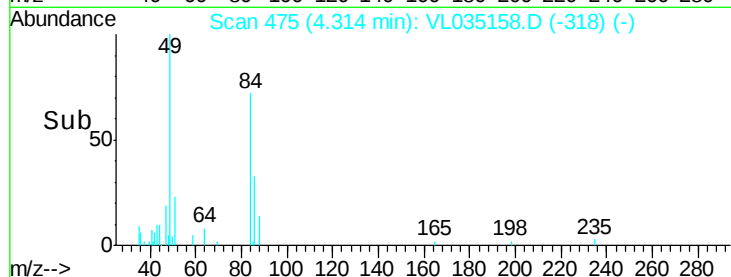
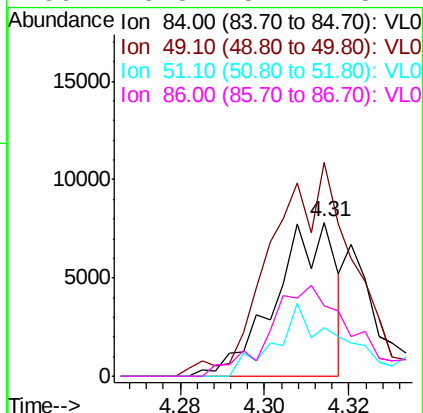
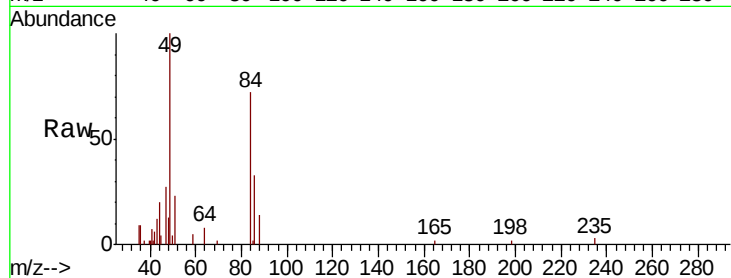




#20
Methvlene Chloride
Concen: 0.167 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035158.D
Acq: 6 Jul 2020 22:59

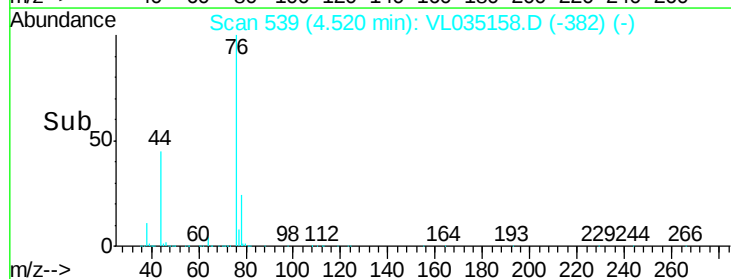
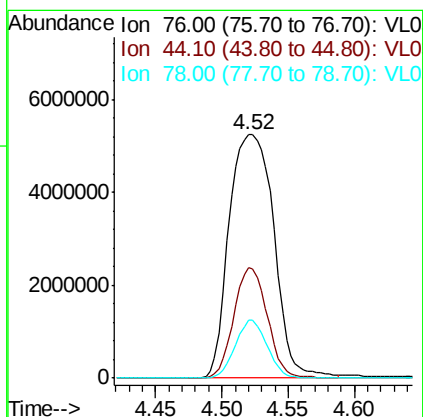
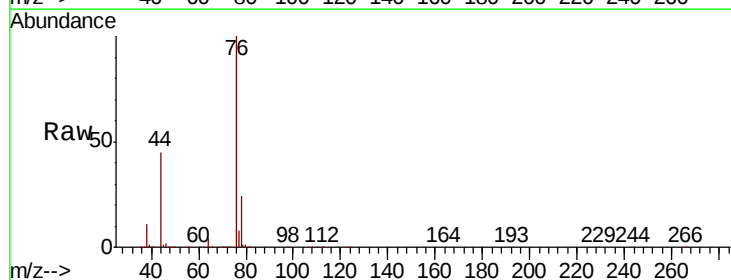
Instrument :
MSVOA_L
ClientSampleId :
PERM-01DL

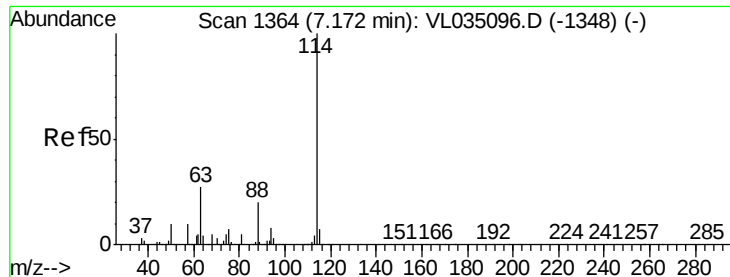
Tot Ion: 84 Resp: 7689
Ion Ratio Lower Upper
84 100
49 134.1 128.8 193.2
51 32.0 38.7 58.1#
86 45.8 54.1 81.1#



#27
Carbon Disulfide
Concen: 128.307 ppbv
RT: 4.52 min Scan# 539
Delta R.T. 0.00 min
Lab File: VL035158.D
Acq: 6 Jul 2020 22:59

Tgt Ion: 76 Resp:12324571
Ion Ratio Lower Upper
76 100
44 34.1 15.8 23.8#
78 17.2 7.6 11.4#

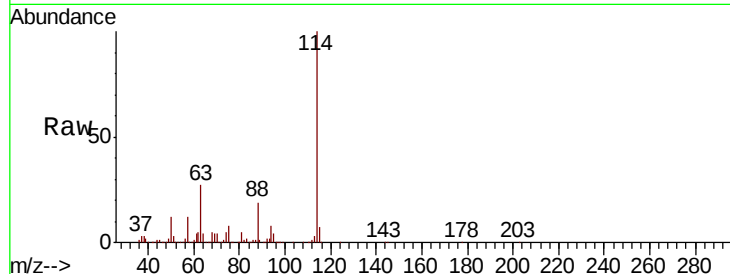




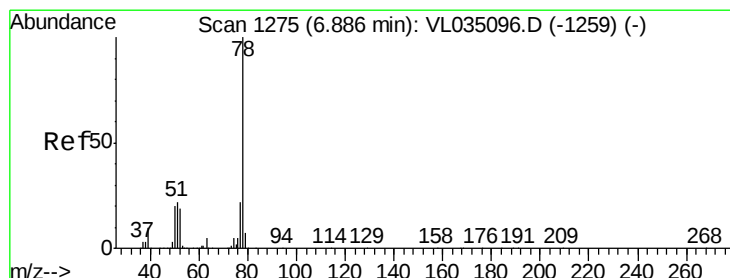
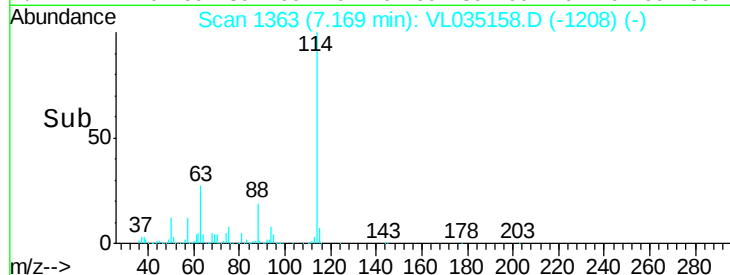
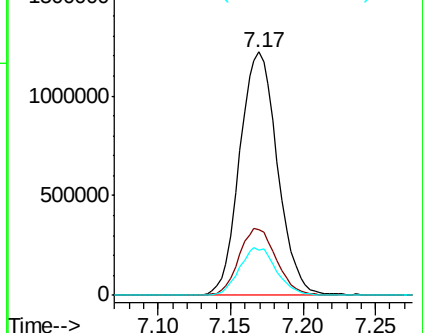
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL035158.D
 Acq: 6 Jul 2020 22:59

Instrument :
 MSVOA_L
 ClientSampleId :
 PERM-01DL

Tot Ion:114 Resp: 2216517
 Ion Ratio Lower Upper
 114 100
 63 27.3 21.9 32.9
 88 19.3 15.6 23.4

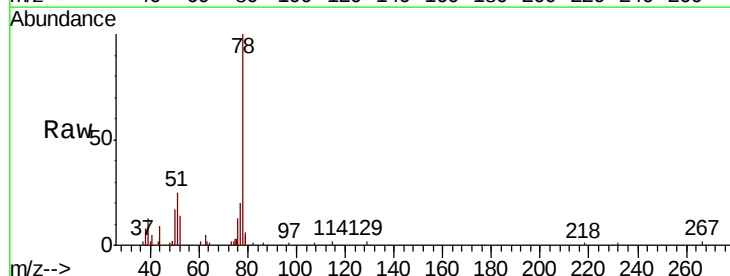


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

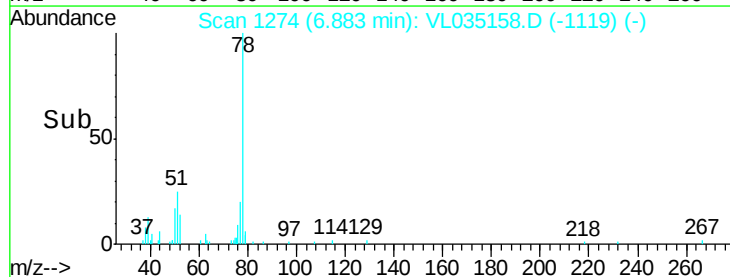
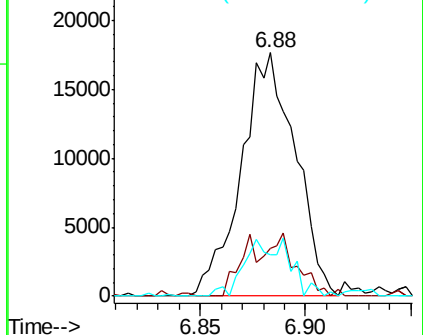


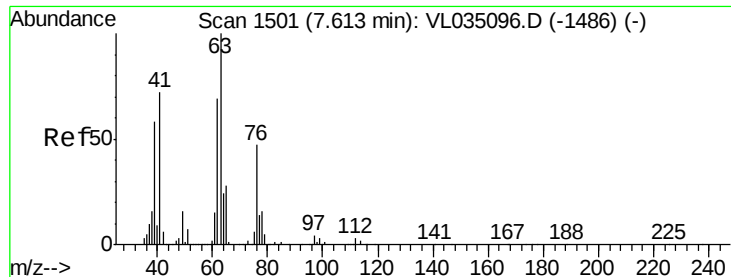
#36
 Benzene
 Concen: 0.184 ppbv
 RT: 6.88 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VL035158.D
 Acq: 6 Jul 2020 22:59

Tgt Ion: 78 Resp: 31576
 Ion Ratio Lower Upper
 78 100
 77 17.1 17.8 26.6#
 50 15.9 16.2 24.2#



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0

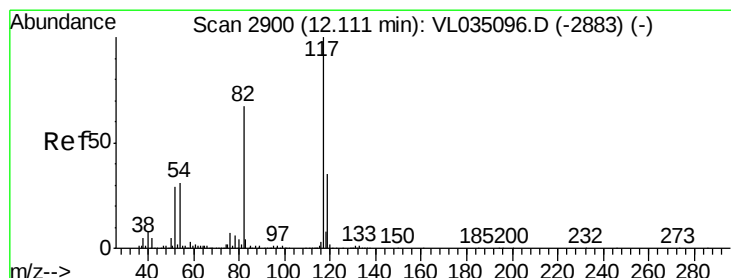
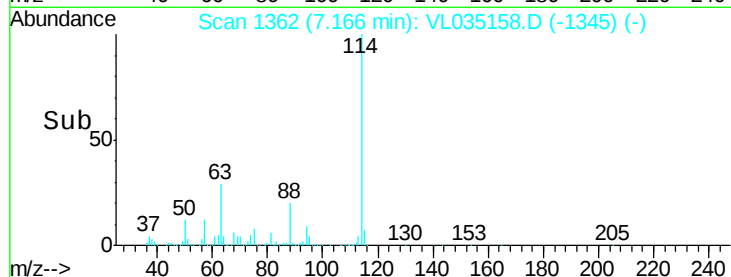
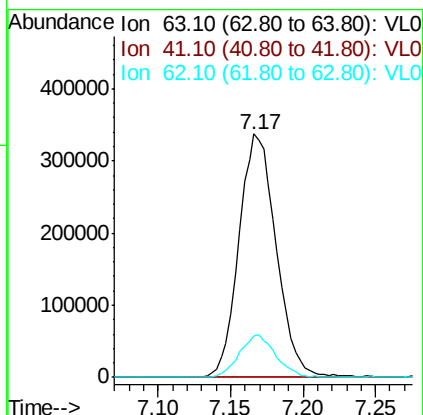
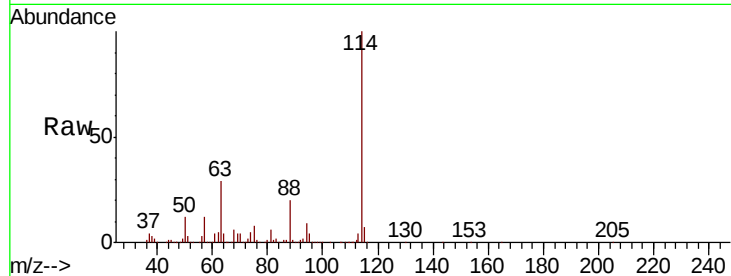




#39
 1,2-Dichloropropane
 Concen: 8.961 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035158.D
 Acq: 6 Jul 2020 22:59

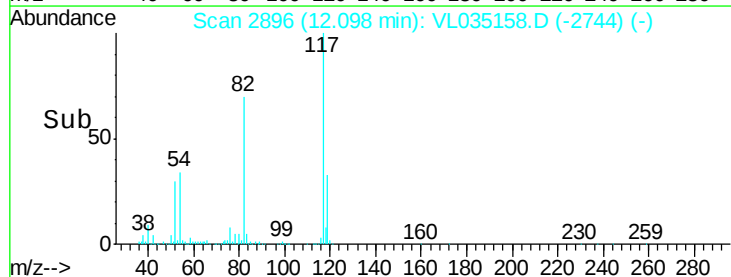
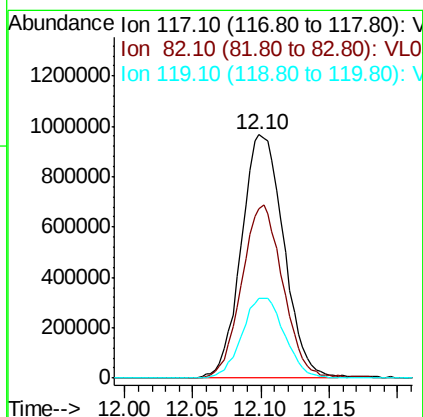
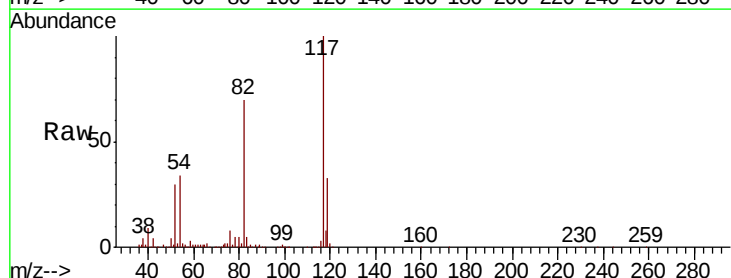
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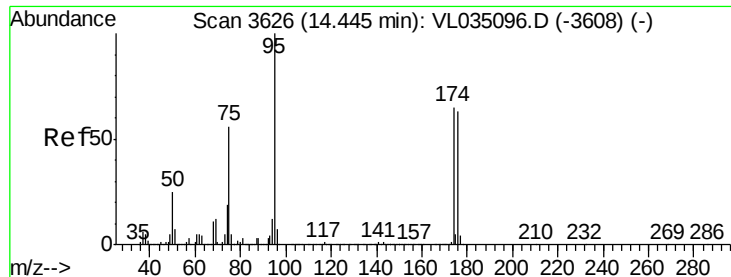
Tot Ion: 63 Resp: 601526
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.0 87.0#
 62 17.1 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.01 min
 Lab File: VL035158.D
 Acq: 6 Jul 2020 22:59

Tgt Ion: 117 Resp: 2082792
 Ion Ratio Lower Upper
 117 100
 82 69.8 50.4 75.6
 119 33.3 25.4 38.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.182 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035158.D

Acq: 6 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

PERM-01DL

Tot Ion: 95 Resp: 1761625

Ion Ratio Lower Upper

95 100

174 65.7 52.2 78.2

175 4.8 4.0 6.0

