

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035156.D
 Acq On : 6 Jul 2020 21:44
 Operator : SY/AP
 Sample : L3190-03 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02

Quant Time: Jul 07 05:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	960855	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2326336	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2176641	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1835754	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

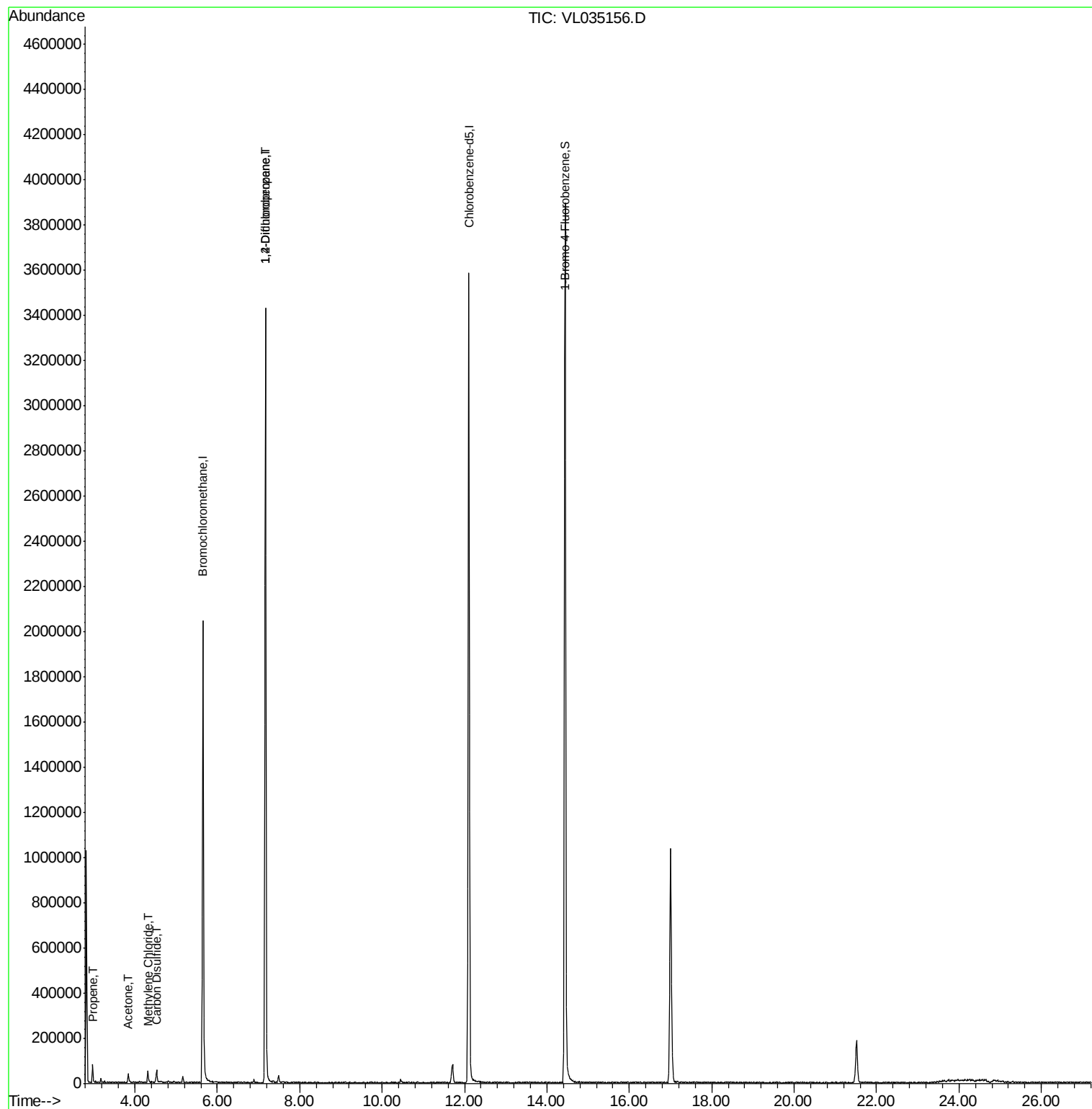
Target Compounds					Ovalue	
9) Propene	2.96	41	1912	0.045	ppbv #	1
15) Acetone	3.83	43	21836	0.188	ppbv #	27
20) Methylene Chloride	4.31	84	10351	0.220	ppbv #	91
27) Carbon Disulfide	4.53	76	62959	0.644	ppbv	94
39) 1,2-Dichloropropane	7.17	63	617551	8.765	ppbv #	24

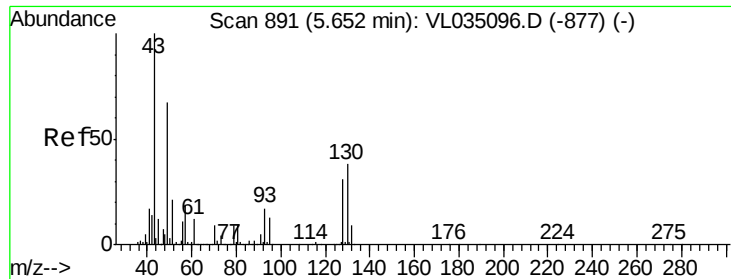
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035156.D

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Instrument :

MSVOA_L

ClientSampleId :

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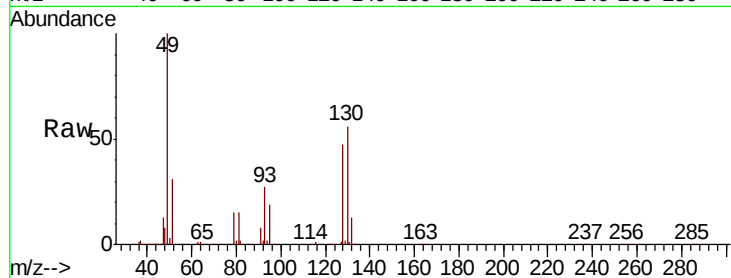
Tot Ion: 49 Resp: 960855

Ion Ratio Lower Upper

49 100

128 49.1 22.9 68.5

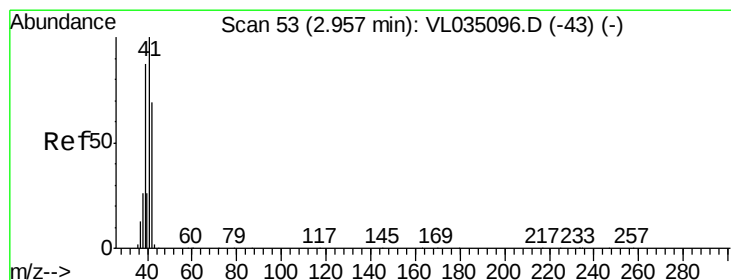
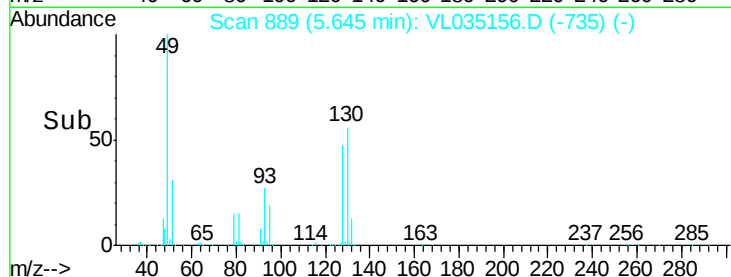
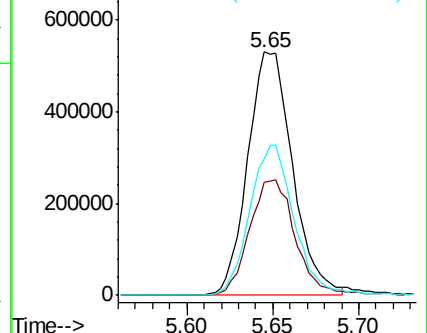
130 62.0 29.0 87.0



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



#9

Propene

Concen: 0.045 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035156.D

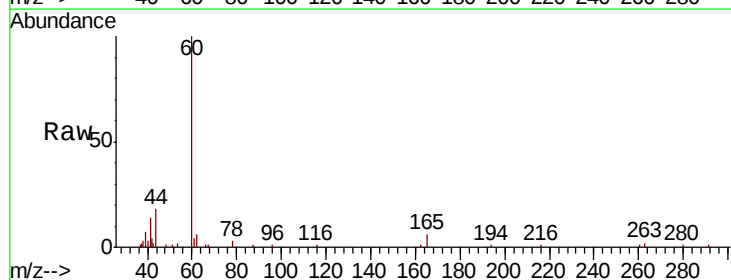
Acq: 6 Jul 2020 21:44

Tgt Ion: 41 Resp: 1912

Ion Ratio Lower Upper

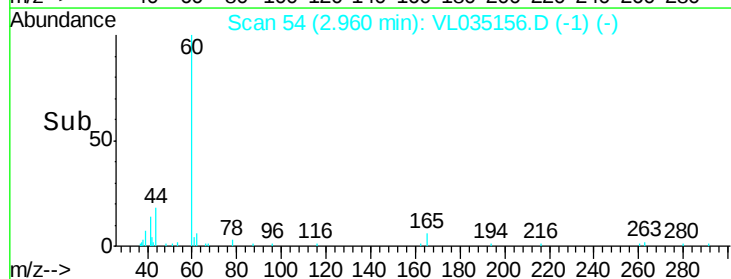
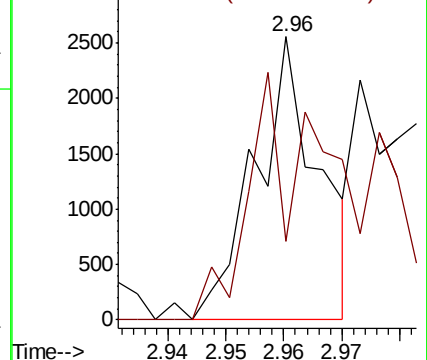
41 100

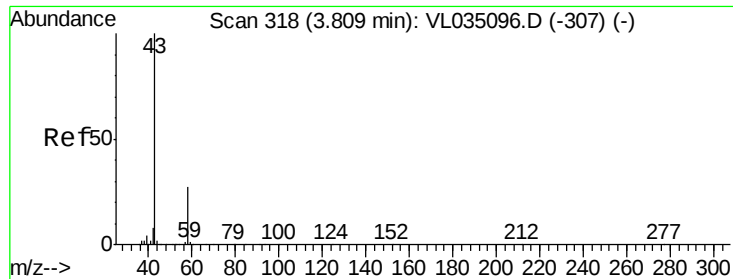
42 169.6 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

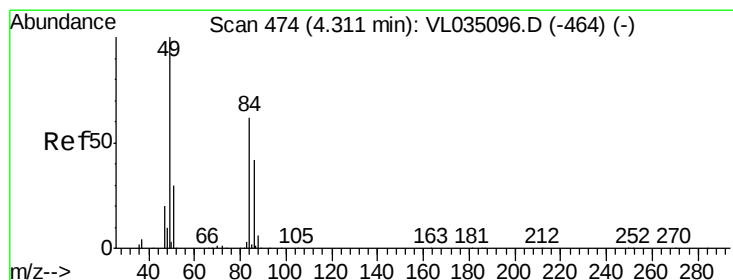
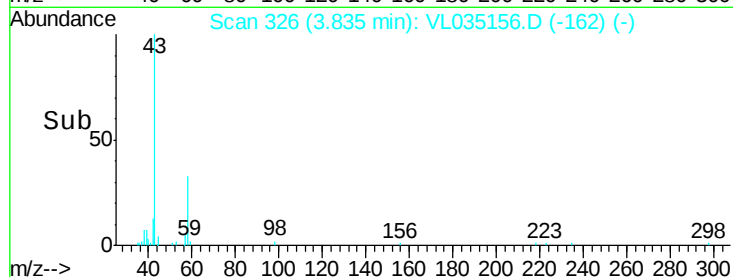
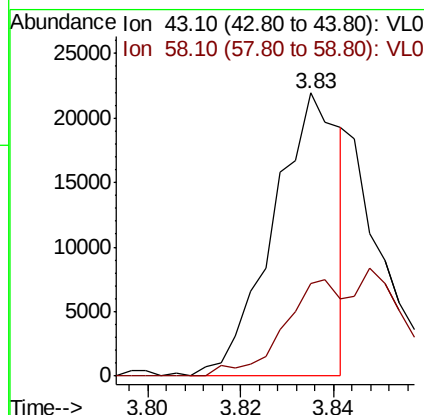
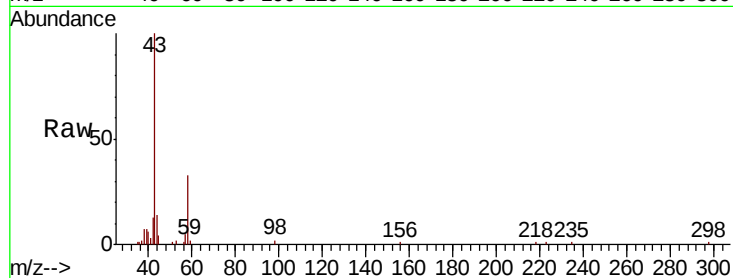




#15
Acetone
Concen: 0.188 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.03 min
Lab File: VL035156.D
Acq: 6 Jul 2020 21:44

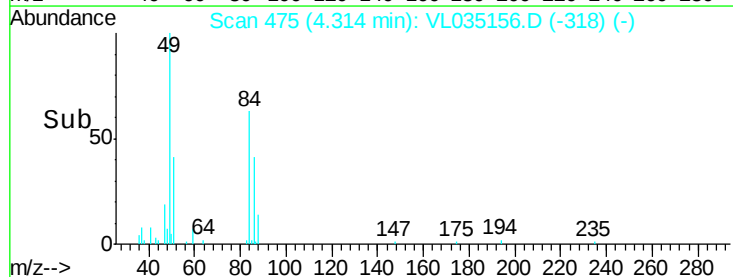
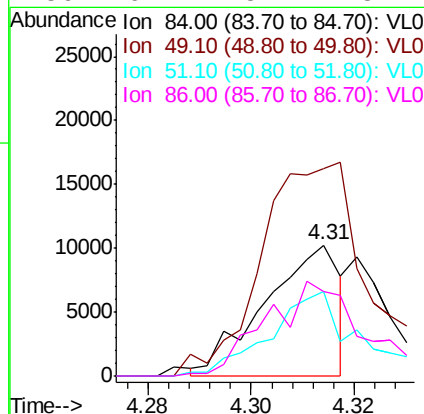
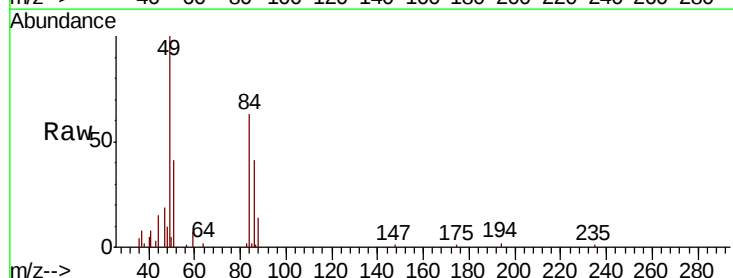
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

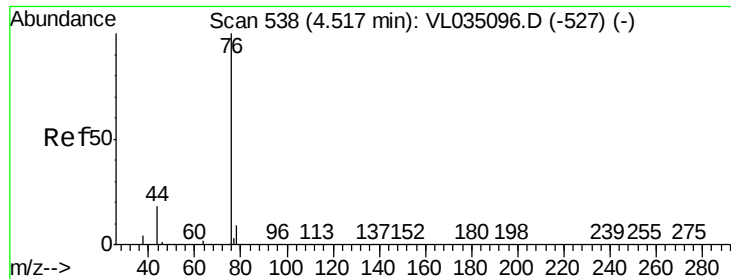
Tot Ion: 43 Resp: 21836
Ion Ratio Lower Upper
43 100
58 64.9 21.8 32.6#



#20
Methylene Chloride
Concen: 0.220 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035156.D
Acq: 6 Jul 2020 21:44

Tgt Ion: 84 Resp: 10351
Ion Ratio Lower Upper
84 100
49 151.4 128.8 193.2
51 66.5 38.7 58.1#
86 67.2 54.1 81.1

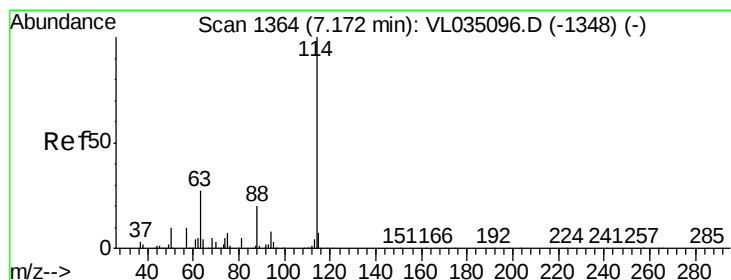
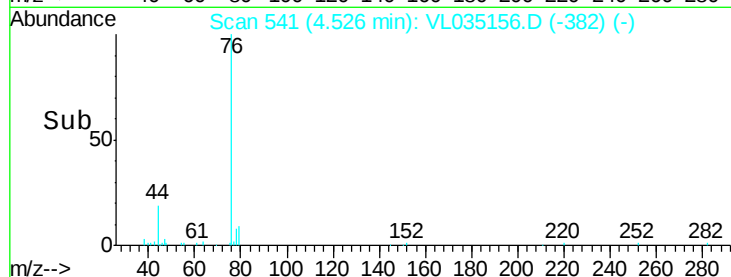
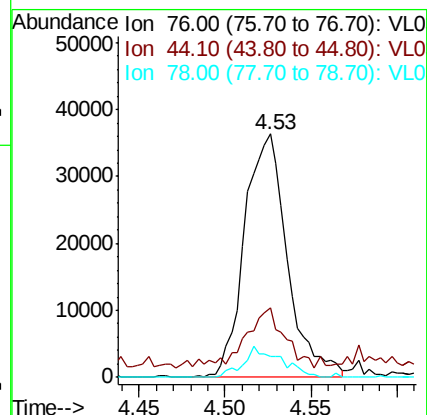
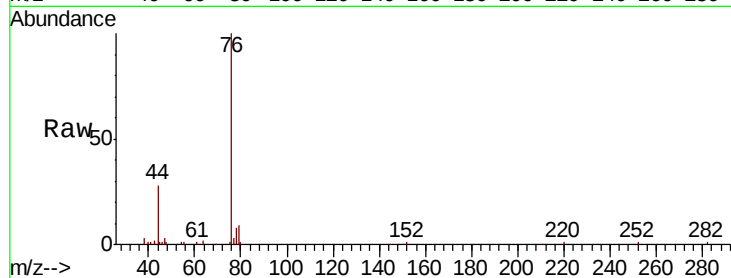




#27
Carbon Disulfide
Concen: 0.644 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.01 min
Lab File: VL035156.D
Acq: 6 Jul 2020 21:44

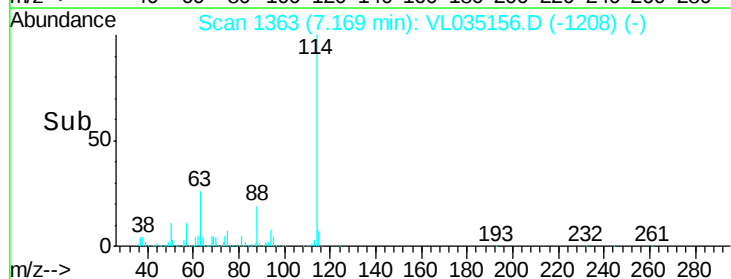
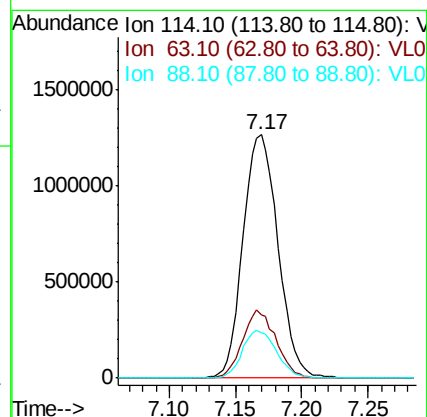
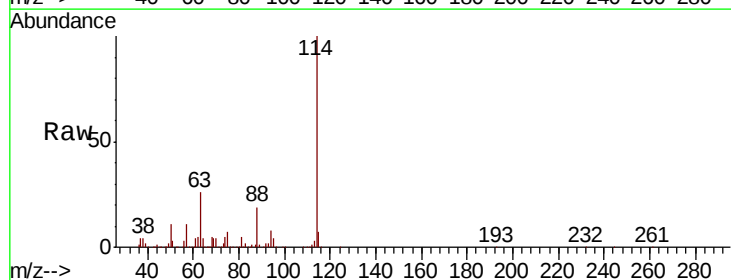
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

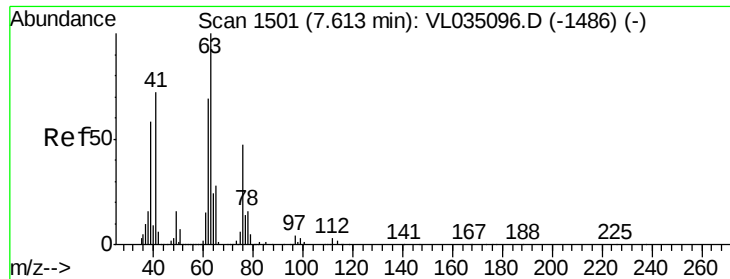
Tot Ion	Ratio	Lower	Upper
76	100		
44	23.1	15.8	23.8
78	11.2	7.6	11.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL035156.D
Acq: 6 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.9	32.9
88	19.2	15.6	23.4





#39

1,2-Dichloropropane

Concen: 8.765 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035156.D

Acq: 6 Jul 2020 21:44

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02

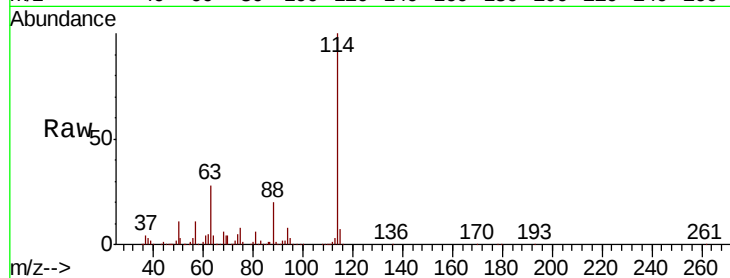
Tot Ion: 63 Resp: 617551

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

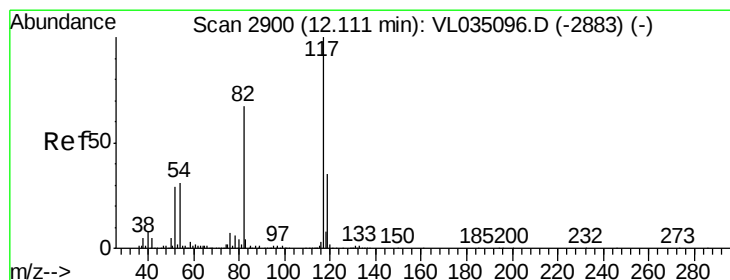
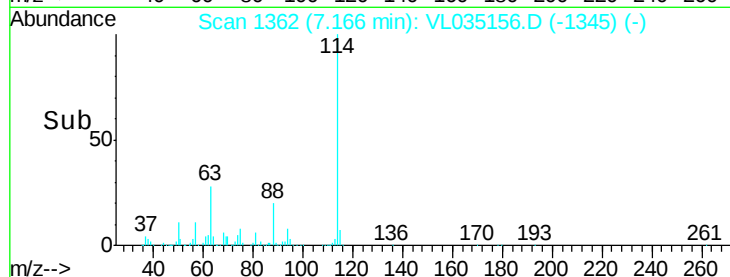
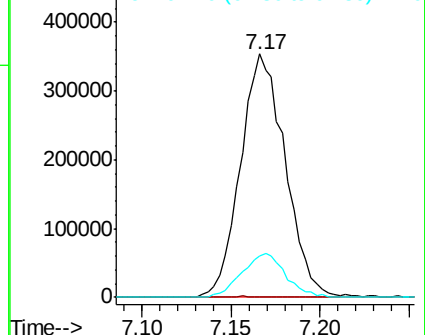
62 16.9 55.4 83.0#



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# 2897

Delta R.T. -0.01 min

Lab File: VL035156.D

Acq: 6 Jul 2020 21:44

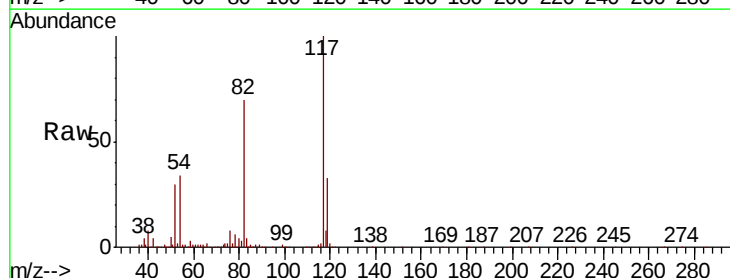
Tgt Ion: 117 Resp: 2176641

Ion Ratio Lower Upper

117 100

82 68.2 50.4 75.6

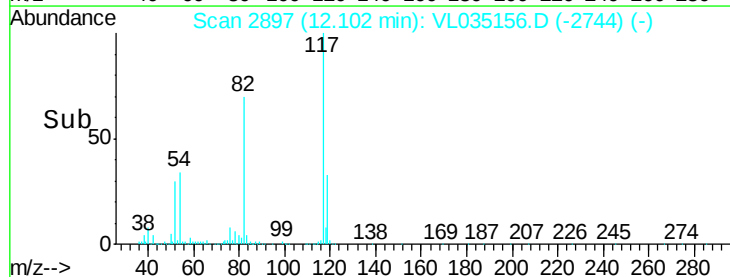
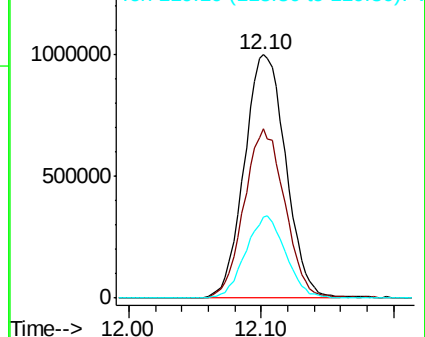
119 32.5 25.4 38.0

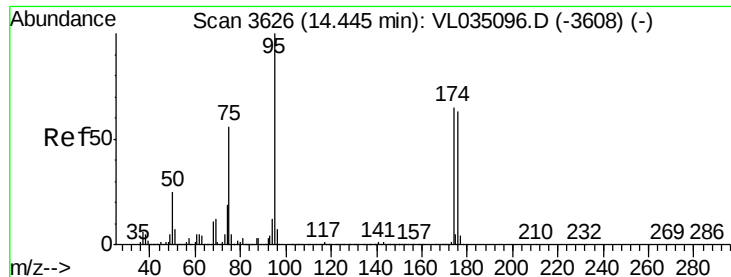


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.153 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035156.D

Acq: 6 Jul 2020 21:44

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02

Tot Ion: 95 Resp: 1835754

Ion Ratio Lower Upper

95 100

174 64.8 52.2 78.2

175 4.7 4.0 6.0

