

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035155.D
 Acq On : 6 Jul 2020 21:06
 Operator : SY/AP
 Sample : L3190-03 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02

Quant Time: Jul 07 05:05:56 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	1062272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2516715	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2306322	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1955625	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

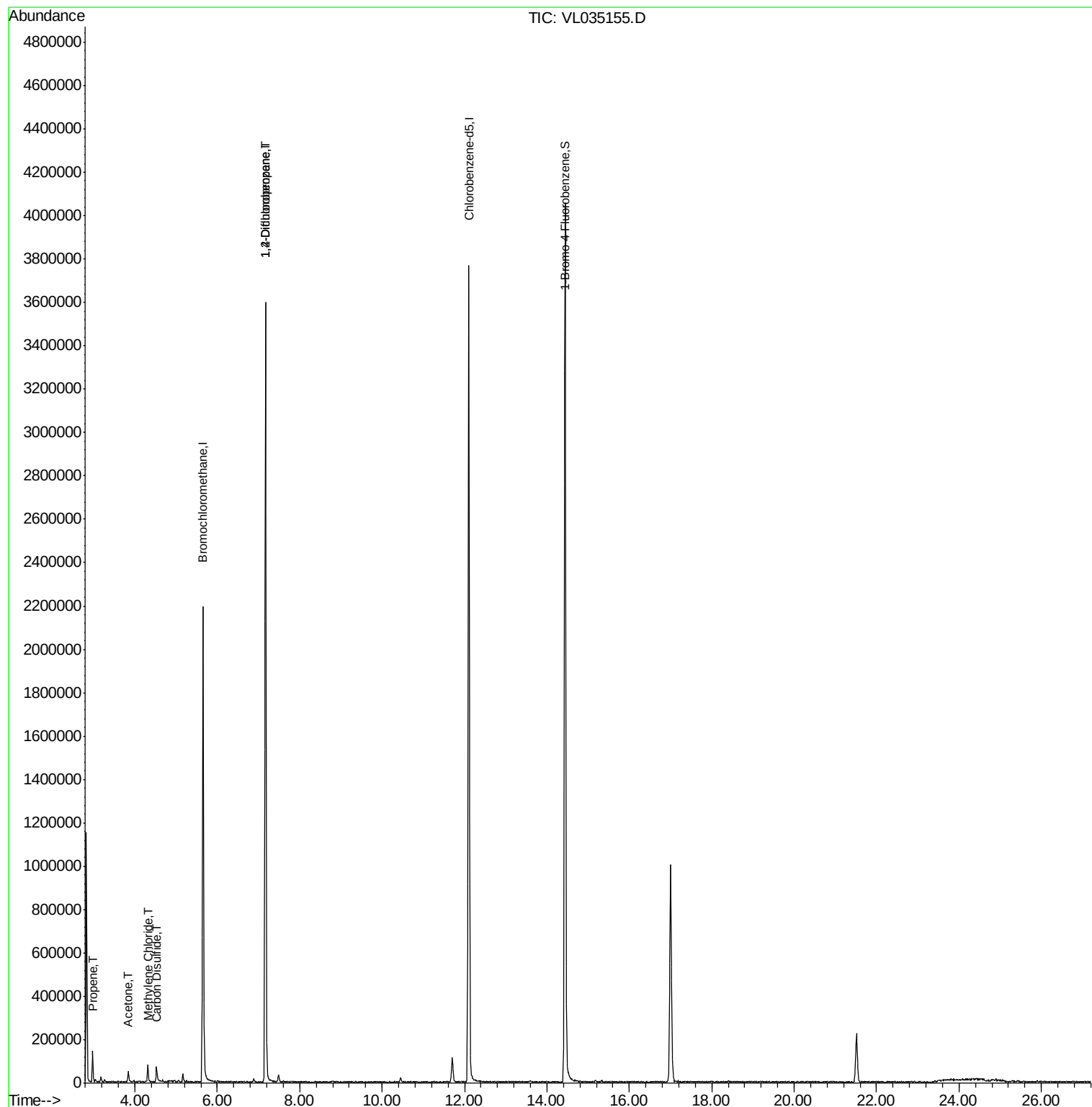
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	1410	0.030	ppbv #	15
15) Acetone	3.84	43	42351	0.330	ppbv #	66
20) Methylene Chloride	4.32	84	23787	0.458	ppbv	91
27) Carbon Disulfide	4.52	76	73682	0.681	ppbv #	89
39) 1,2-Dichloropropane	7.17	63	661450	8.678	ppbv #	25

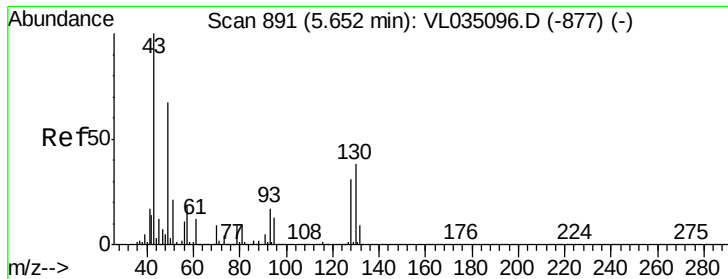
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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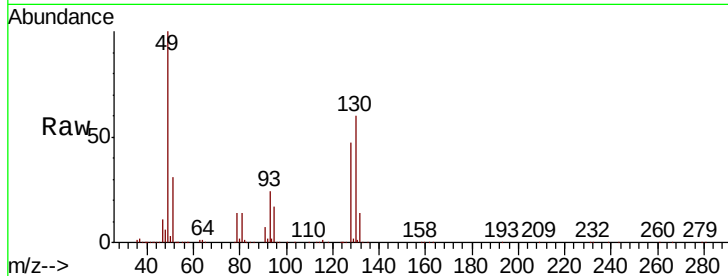
Tot Ion: 49 Resp: 1062272

Ion Ratio Lower Upper

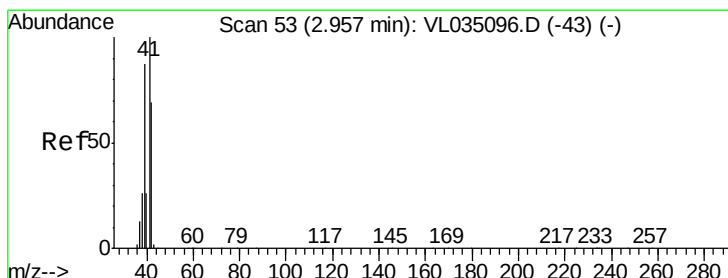
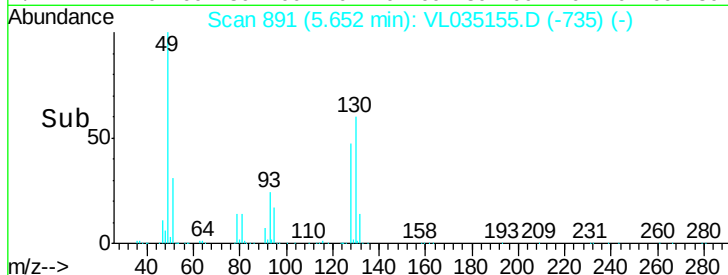
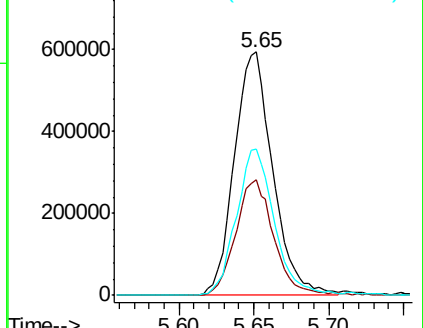
49 100

128 47.9 22.9 68.5

130 60.3 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.030 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035155.D

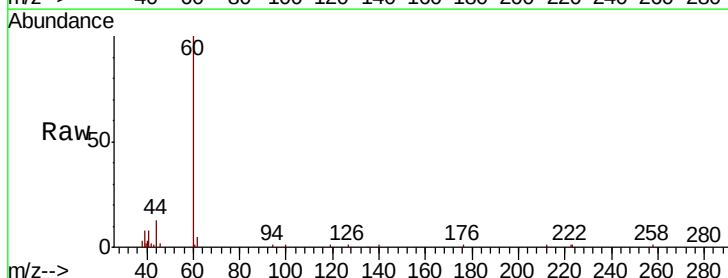
Acq: 6 Jul 2020 21:06

Tgt Ion: 41 Resp: 1410

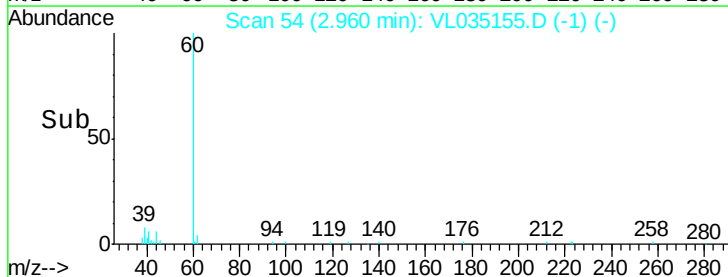
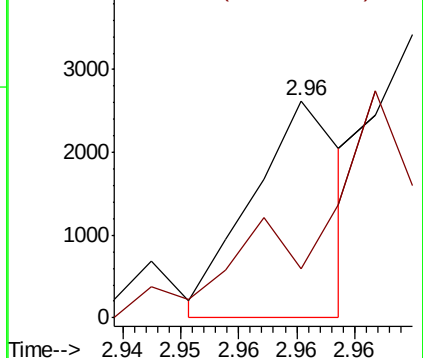
Ion Ratio Lower Upper

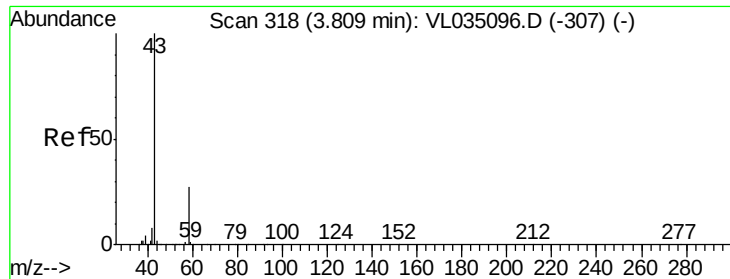
41 100

42 0.0 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
4000
Ion 42.10 (41.80 to 42.80): VL0

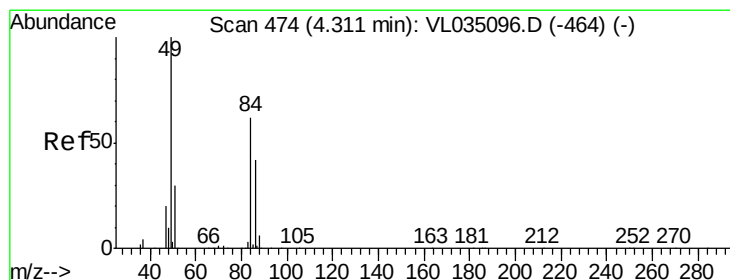
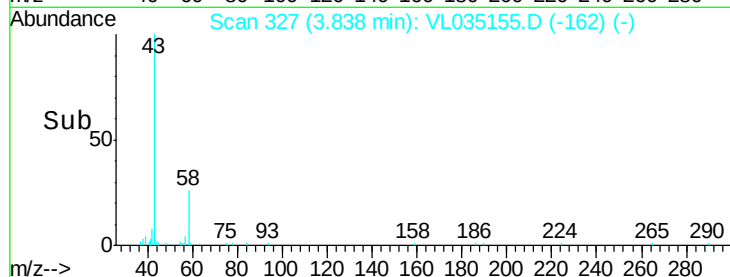
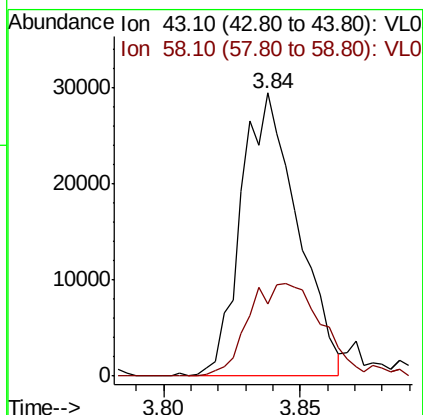
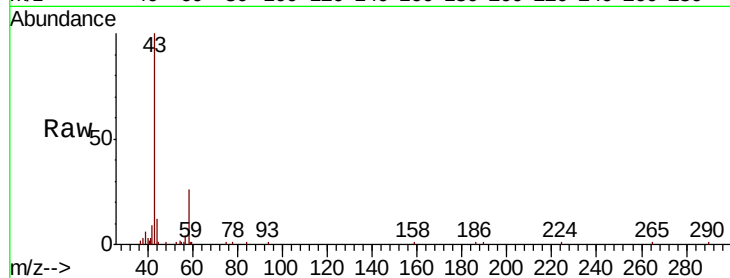




#15
Acetone
Concen: 0.330 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.03 min
Lab File: VL035155.D
Acq: 6 Jul 2020 21:06

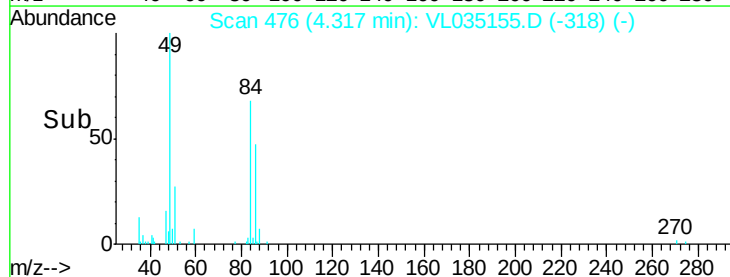
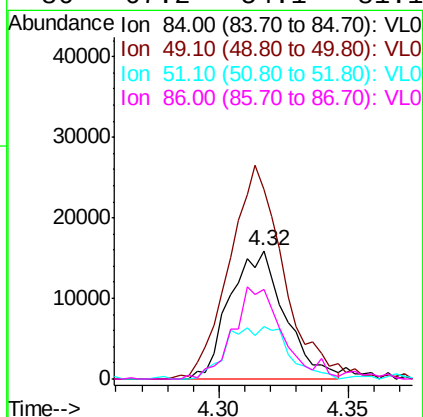
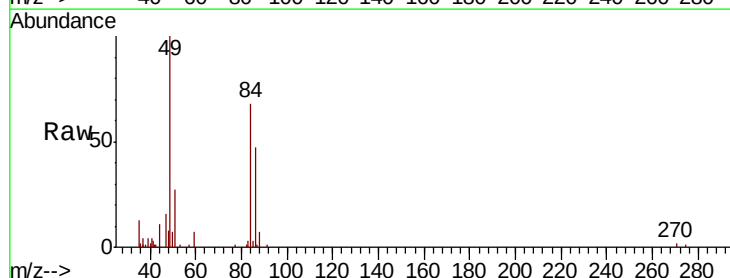
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02

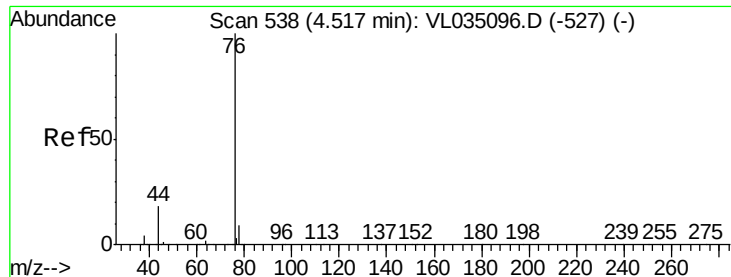
Tot Ion: 43 Resp: 42351
Ion Ratio Lower Upper
43 100
58 44.8 21.8 32.6#



#20
Methylene Chloride
Concen: 0.458 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.01 min
Lab File: VL035155.D
Acq: 6 Jul 2020 21:06

Tgt Ion: 84 Resp: 23787
Ion Ratio Lower Upper
84 100
49 145.7 128.8 193.2
51 40.6 38.7 58.1
86 67.2 54.1 81.1





#27

Carbon Disulfide

Concen: 0.681 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.01 min

Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

Instrument :

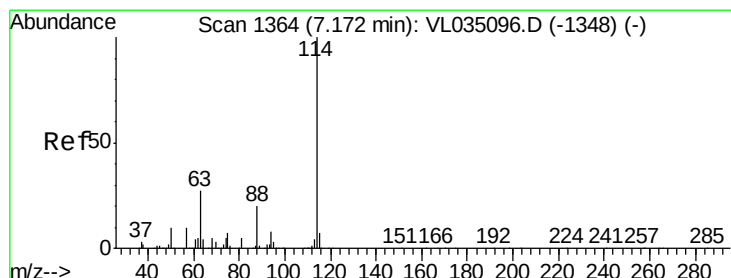
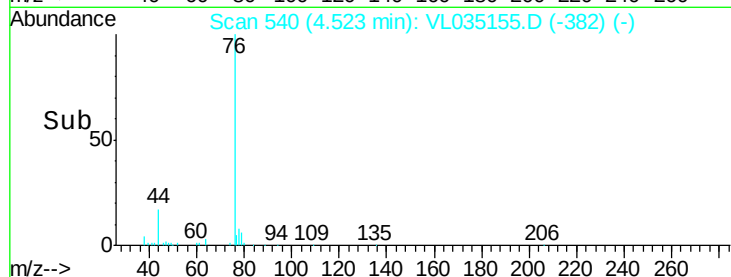
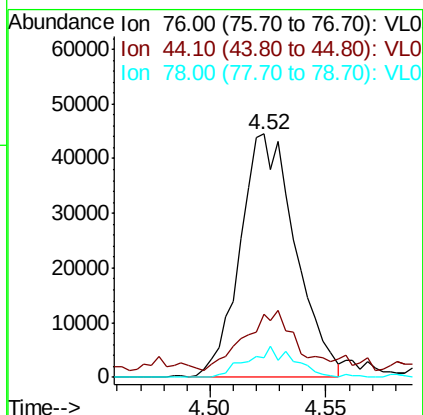
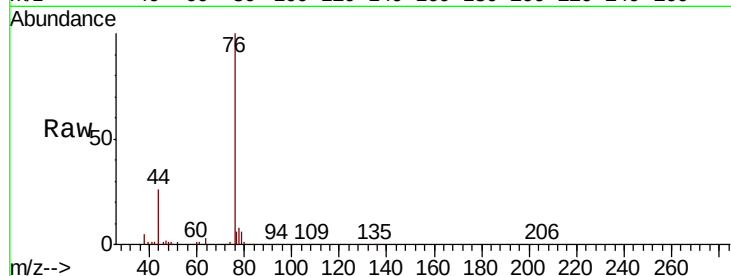
MSVOA_L

ClientSampleId :

EXHAUST-02

Tot Ion: 76 Resp: 73682

Ion	Ratio	Lower	Upper
76	100		
44	26.6	15.8	23.8#
78	10.8	7.6	11.4



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

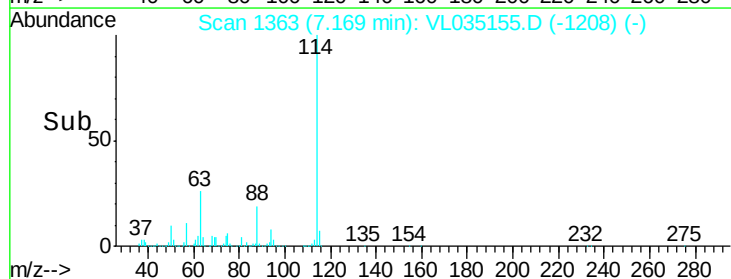
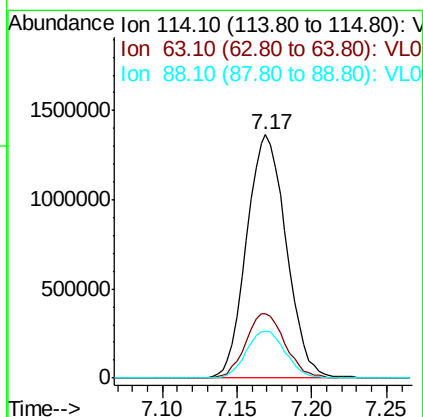
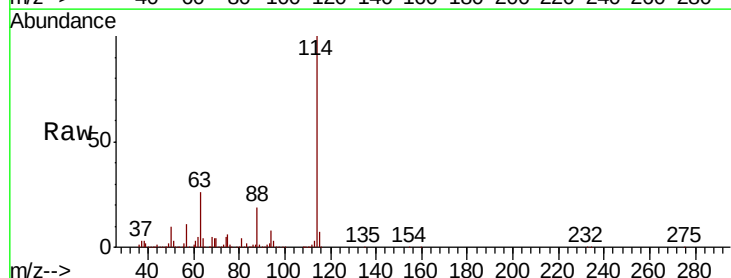
Delta R.T. -0.00 min

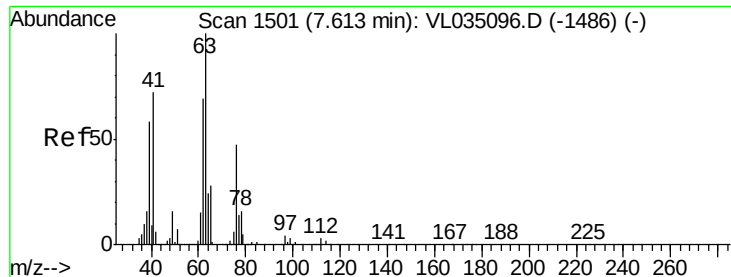
Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

Tgt Ion: 114 Resp: 2516715

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.9	32.9
88	19.2	15.6	23.4

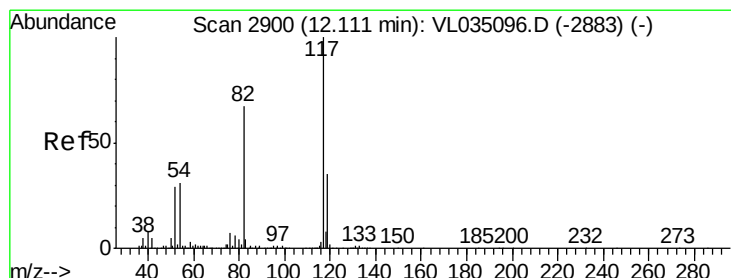
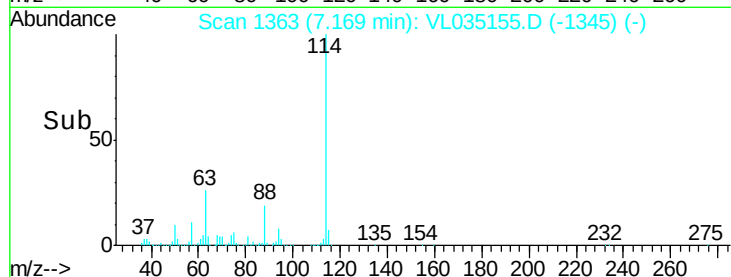
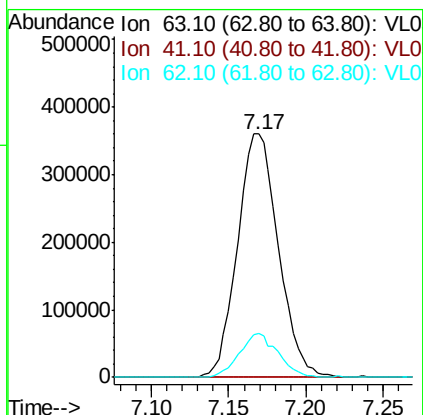
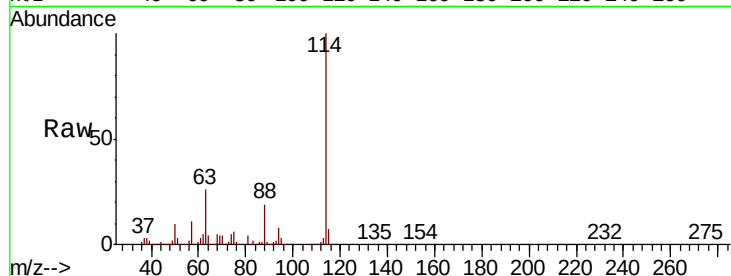




#39
 1,2-Dichloropropane
 Concen: 8.678 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL035155.D
 Acq: 6 Jul 2020 21:06

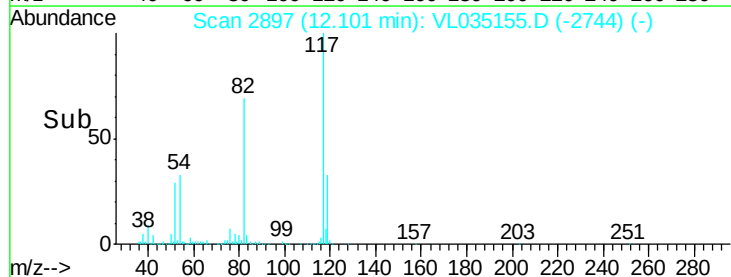
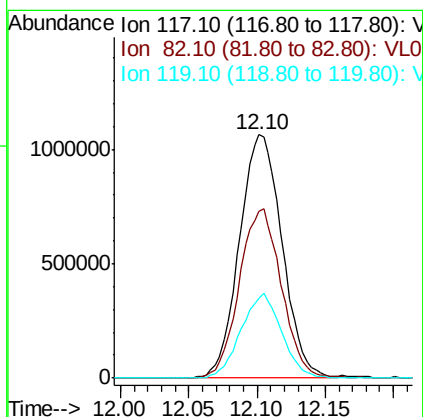
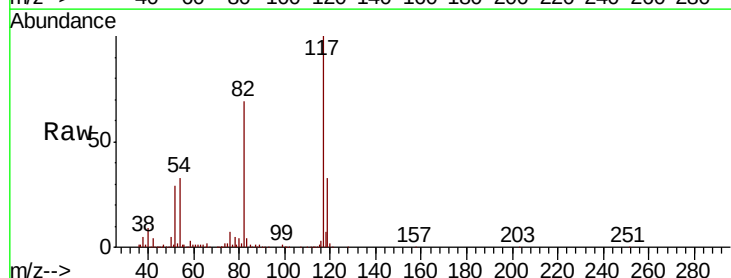
Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02

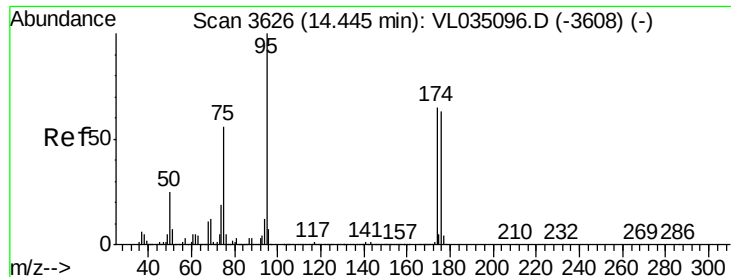
Tot Ion: 63 Resp: 661450
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.0 87.0#
 62 17.8 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. -0.01 min
 Lab File: VL035155.D
 Acq: 6 Jul 2020 21:06

Tgt Ion: 117 Resp: 2306322
 Ion Ratio Lower Upper
 117 100
 82 69.3 50.4 75.6
 119 33.4 25.4 38.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.208 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035155.D

Acq: 6 Jul 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02

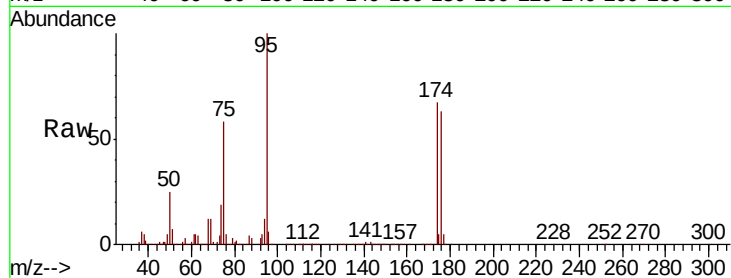
Tot Ion: 95 Resp: 1955625

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

175 4.9 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

