

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035186.D
 Acq On : 8 Jul 2020 15:49
 Operator : SY/AP
 Sample : L3190-02 120X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02

Manual Integrations
 APPROVED

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Quant Time: Jul 09 11:17:32 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
 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	5.66	49	1145214	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2752329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2511735	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2082262	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.83	43	158504	1.022	ppbv	90
17) tert-Butyl alcohol	4.29	59	23621m	0.172	ppbv	
20) Methylene Chloride	4.32	84	48264	0.715	ppbv #	81
26) Hexane	5.68	57	18350m	0.173	ppbv	
27) Carbon Disulfide	4.54	76	21670446	146.284	ppbv #	28
36) Benzene	6.90	78	187826	0.943	ppbv	95

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

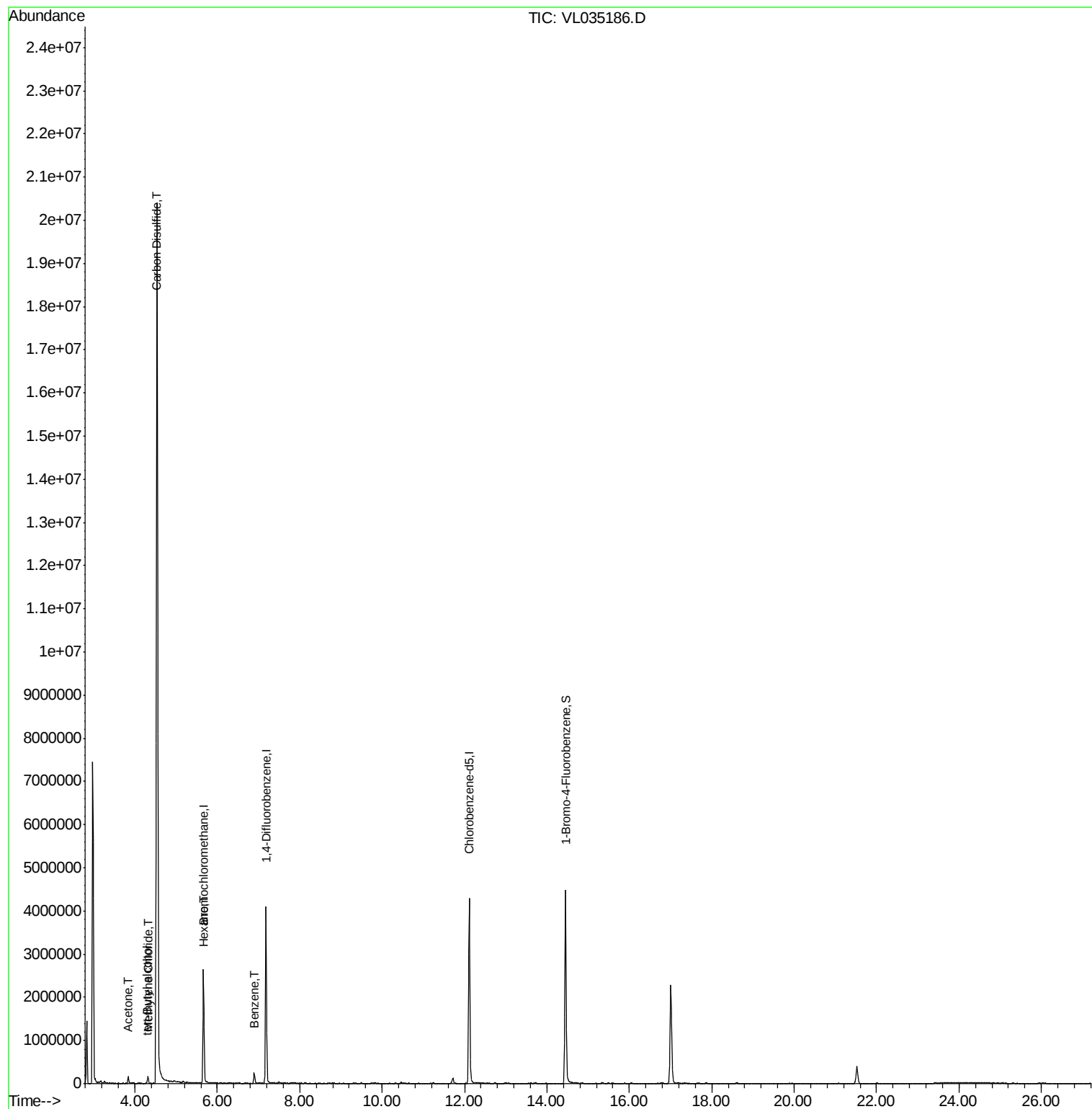
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070820\
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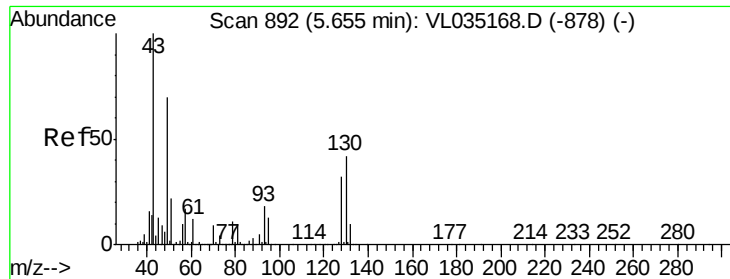
Instrument :
MSVOA_L
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QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035186.D

Acq: 8 Jul 2020 15:49

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02

Tot Ion: 49 Resp: 1145214

Ion Ratio Lower Upper

49 100

128 49.0 23.8 71.4

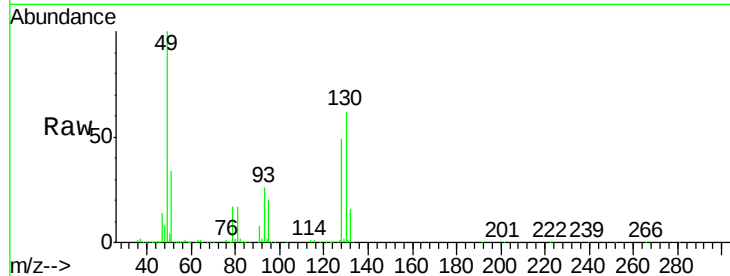
130 61.3 29.9 89.8

Manual Integrations

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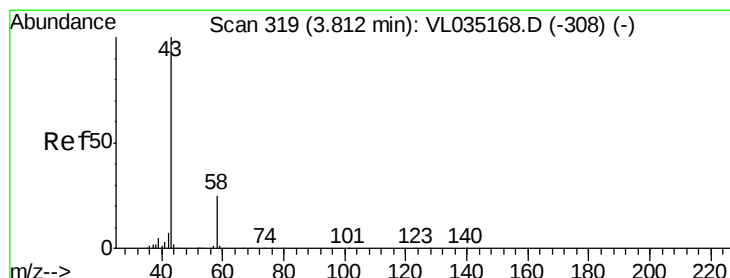
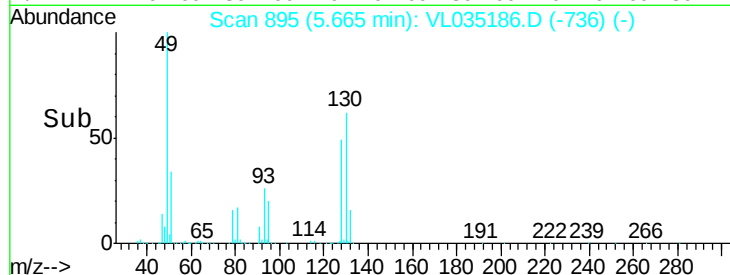
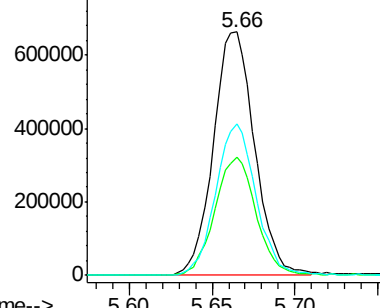
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 1.022 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.02 min

Lab File: VL035186.D

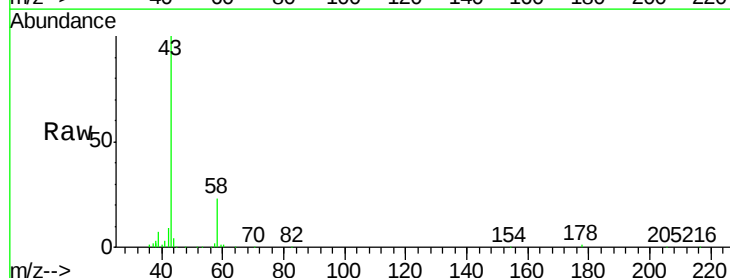
Acq: 8 Jul 2020 15:49

Tgt Ion: 43 Resp: 158504

Ion Ratio Lower Upper

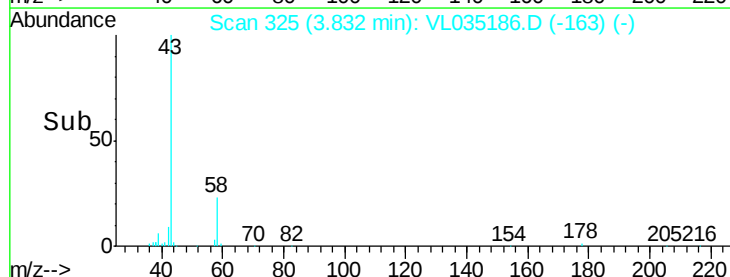
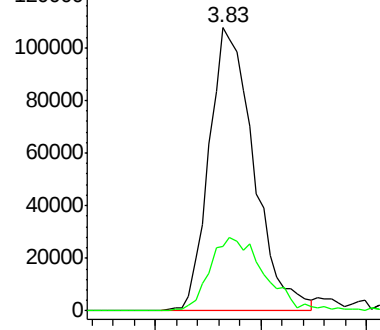
43 100

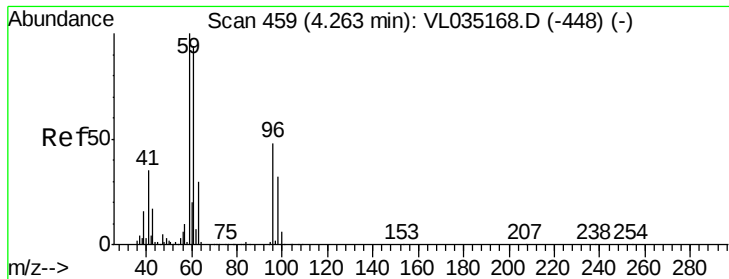
58 31.7 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

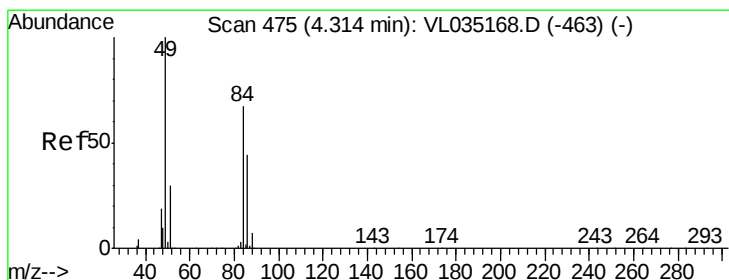
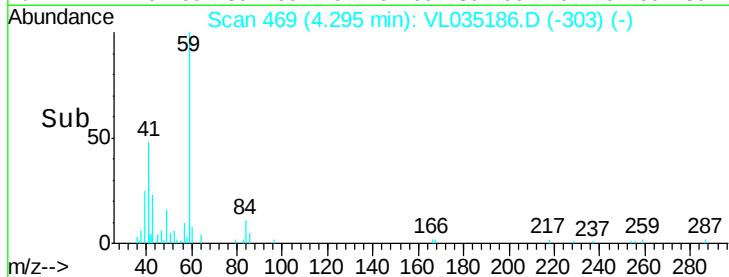
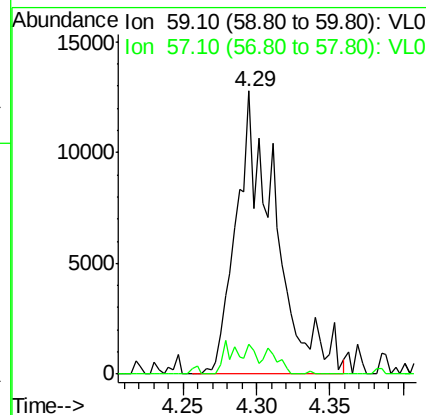
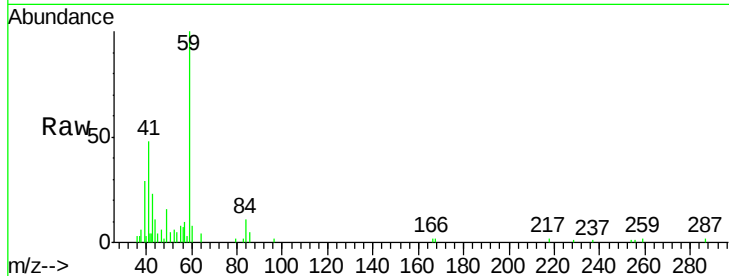
tert-Butyl alcohol
 Concen: 0.172 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VL035186.D
 Acq: 8 Jul 2020 15:49

Instrument :
 MSVOA_L
 ClientSampleID :
 CARBON-02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

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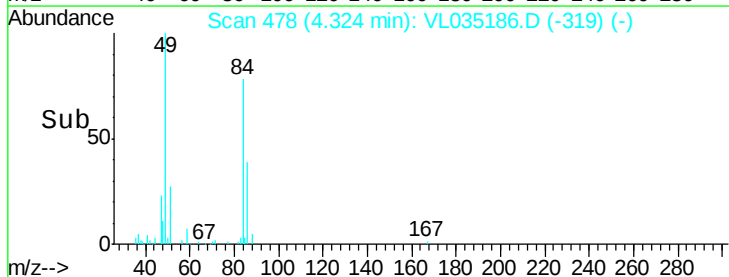
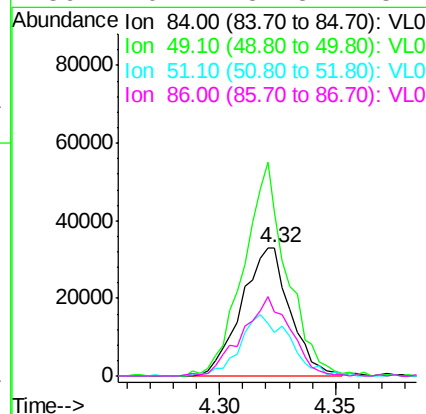
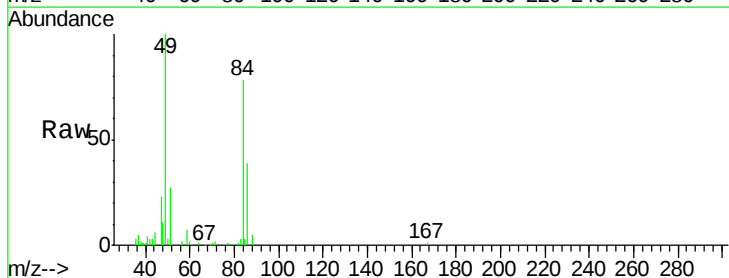
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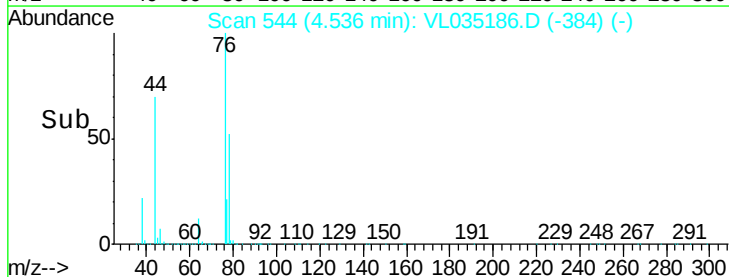
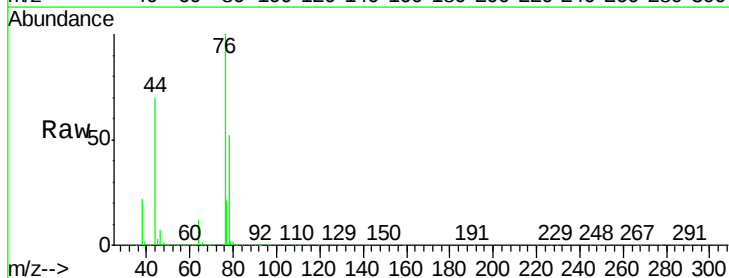
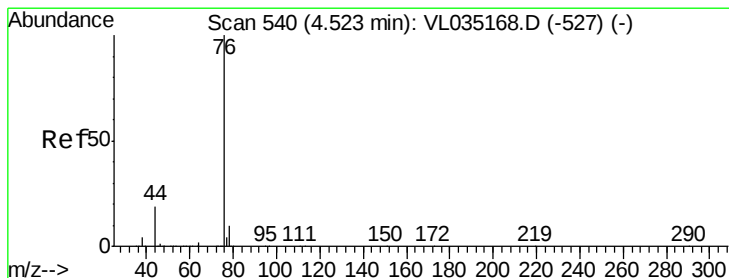
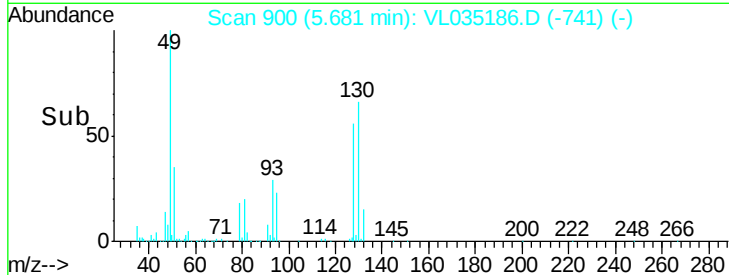
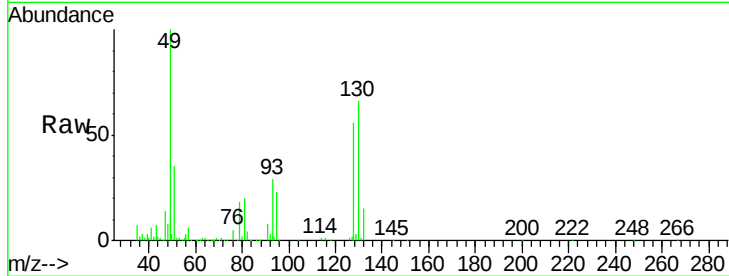
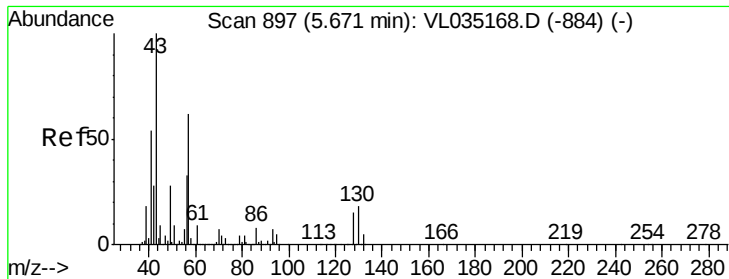


#20

Methylene Chloride
 Concen: 0.715 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL035186.D
 Acq: 8 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	119.4	179.0
51	33.7	36.6	55.0#
86	49.1	52.5	78.7#





#26

Hexane

Concen: 0.173 ppbv m

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035186.D

Acq: 8 Jul 2020 15:49

Tot Ion	57	Resp	18350
Ion Ratio	Lower	Upper	
57	100		
41	108.3	72.9	109.3
43	125.7	179.5	269.3#
56	64.5	42.9	64.3#

Instrument :

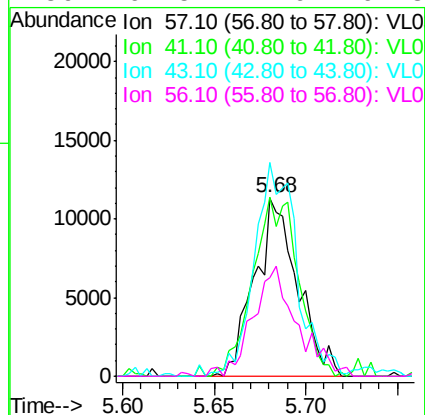
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ClientSampleId :

CARBON-02

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#27

Carbon Disulfide

Concen: 146.284 ppbv

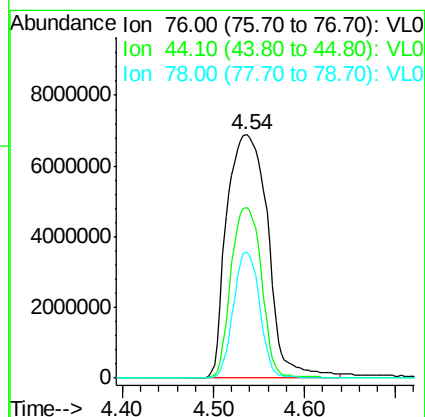
RT: 4.54 min Scan# 544

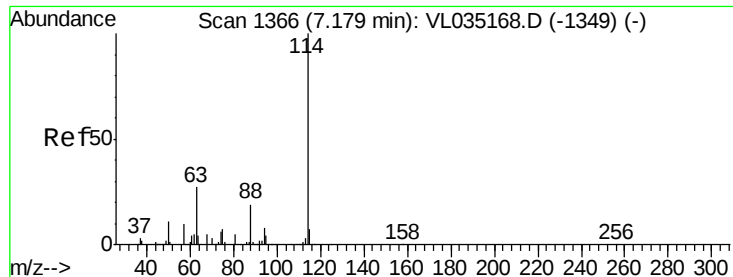
Delta R.T. 0.01 min

Lab File: VL035186.D

Acq: 8 Jul 2020 15:49

Tgt Ion	76	Resp	21670446
Ion Ratio	Lower	Upper	
76	100		
44	52.2	14.9	22.3#
78	33.4	7.5	11.3#





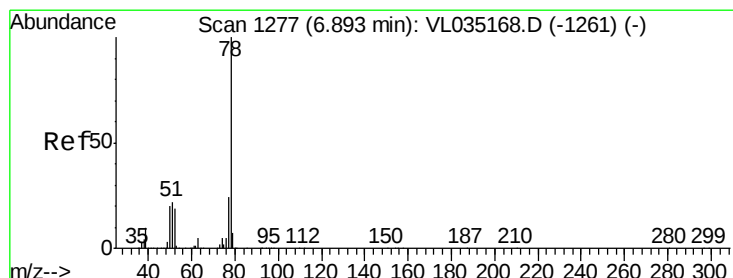
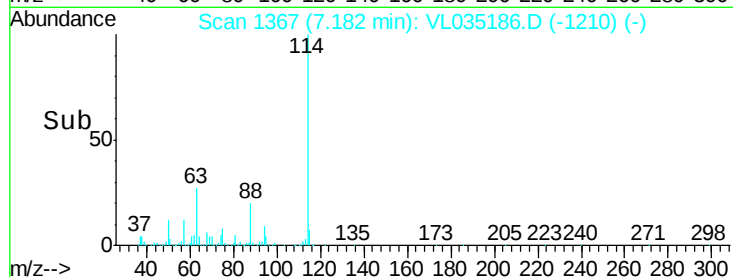
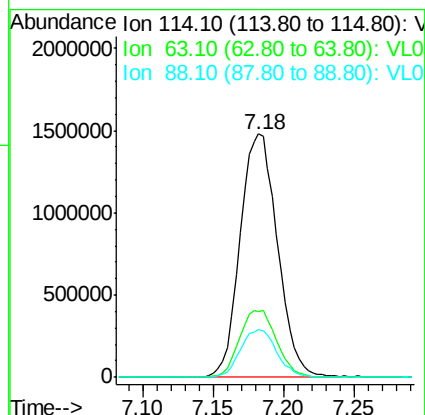
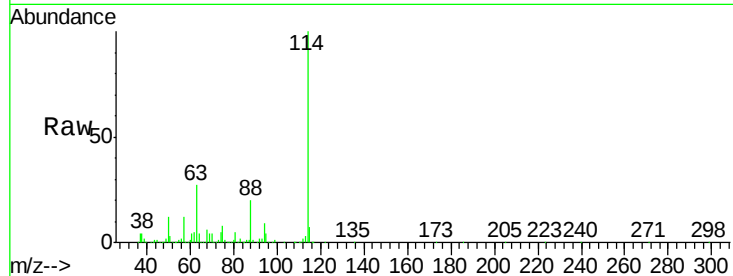
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035186.D
 Acq: 8 Jul 2020 15:49

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.0	33.0
88	19.2	15.4	23.0

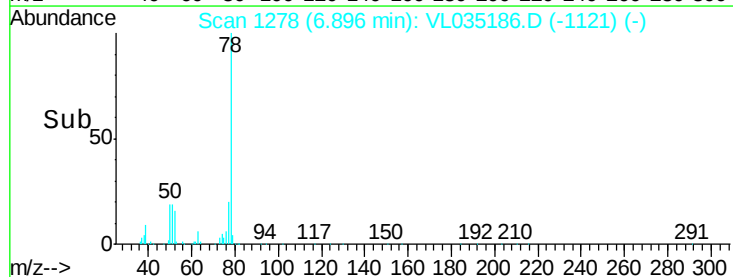
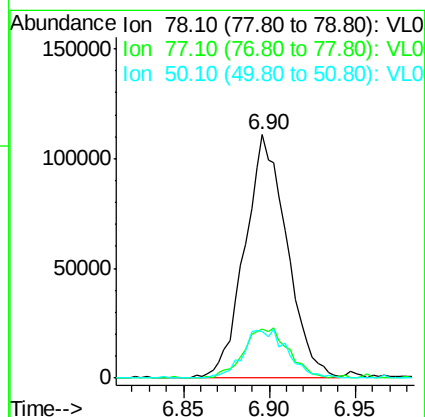
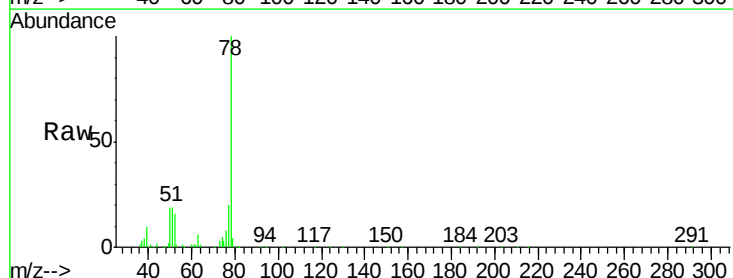
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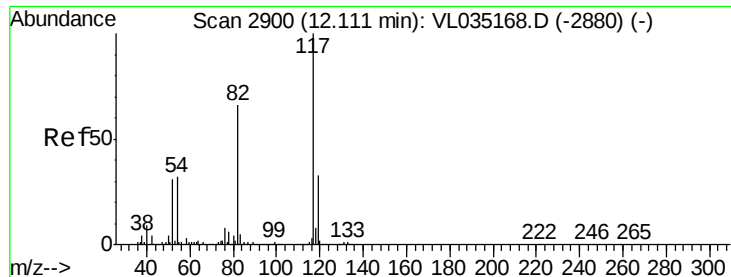
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#36
 Benzene
 Concen: 0.943 ppbv
 RT: 6.90 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VL035186.D
 Acq: 8 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.2	19.3	28.9
50	19.3	16.0	24.0





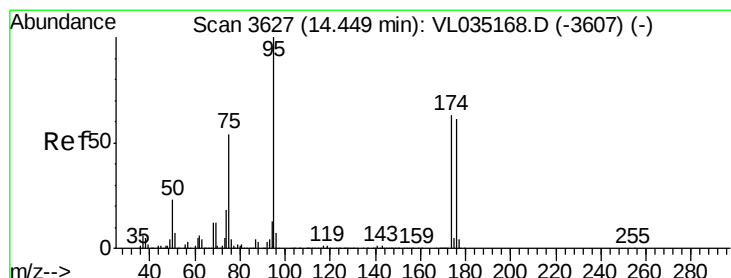
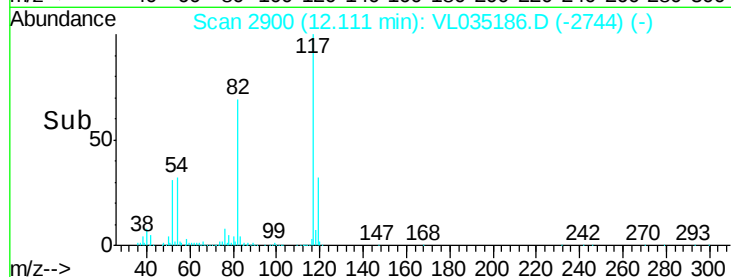
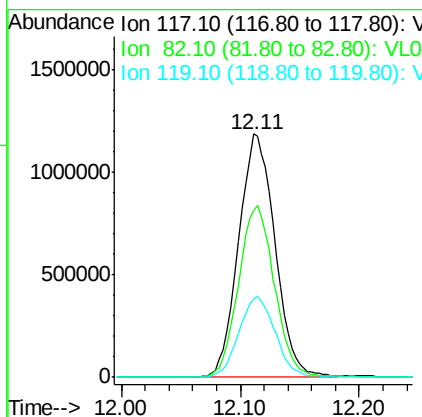
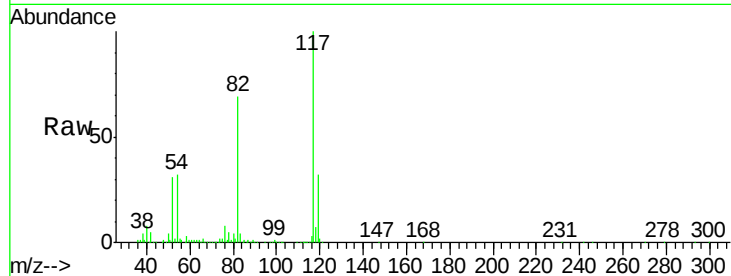
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035186.D
Acq: 8 Jul 2020 15:49

Instrument :
MSVOA_L
ClientSampleId :
CARBON-02

Tot Ion:117 Resp: 2511735
Ion Ratio Lower Upper
117 100
82 70.0 52.3 78.5
119 33.5 24.9 37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.205 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.00 min
Lab File: VL035186.D
Acq: 8 Jul 2020 15:49

Tgt Ion: 95 Resp: 2082262
Ion Ratio Lower Upper
95 100
174 65.4 52.2 78.2
175 4.8 4.0 6.0

