

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036084.D
 Acq On : 8 Dec 2020 3:44
 Operator : SY/AP
 Sample : L4948-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6BDL

Manual Integrations
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 12/10/2020 9:53:53 AM

Quant Time: Dec 08 09:55:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1278296	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2808399	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2502728	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2093803	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	13312m	0.182	ppbv	
11) Trichlorofluoromethane	3.96	101	33299m	0.190	ppbv	
13) Ethanol	3.61	45	177620m	17.635	ppbv	
15) Acetone	3.87	43	161957	1.054	ppbv	# 85
20) Methylene Chloride	4.36	84	42892m	0.681	ppbv	
26) Hexane	5.71	57	33049m	0.239	ppbv	
30) Cyclohexane	7.15	84	21205m	0.209	ppbv	
53) Toluene	9.83	91	36429	0.136	ppbv	91
59) m/p-Xylene	12.98	91	69230m	0.240	ppbv	

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

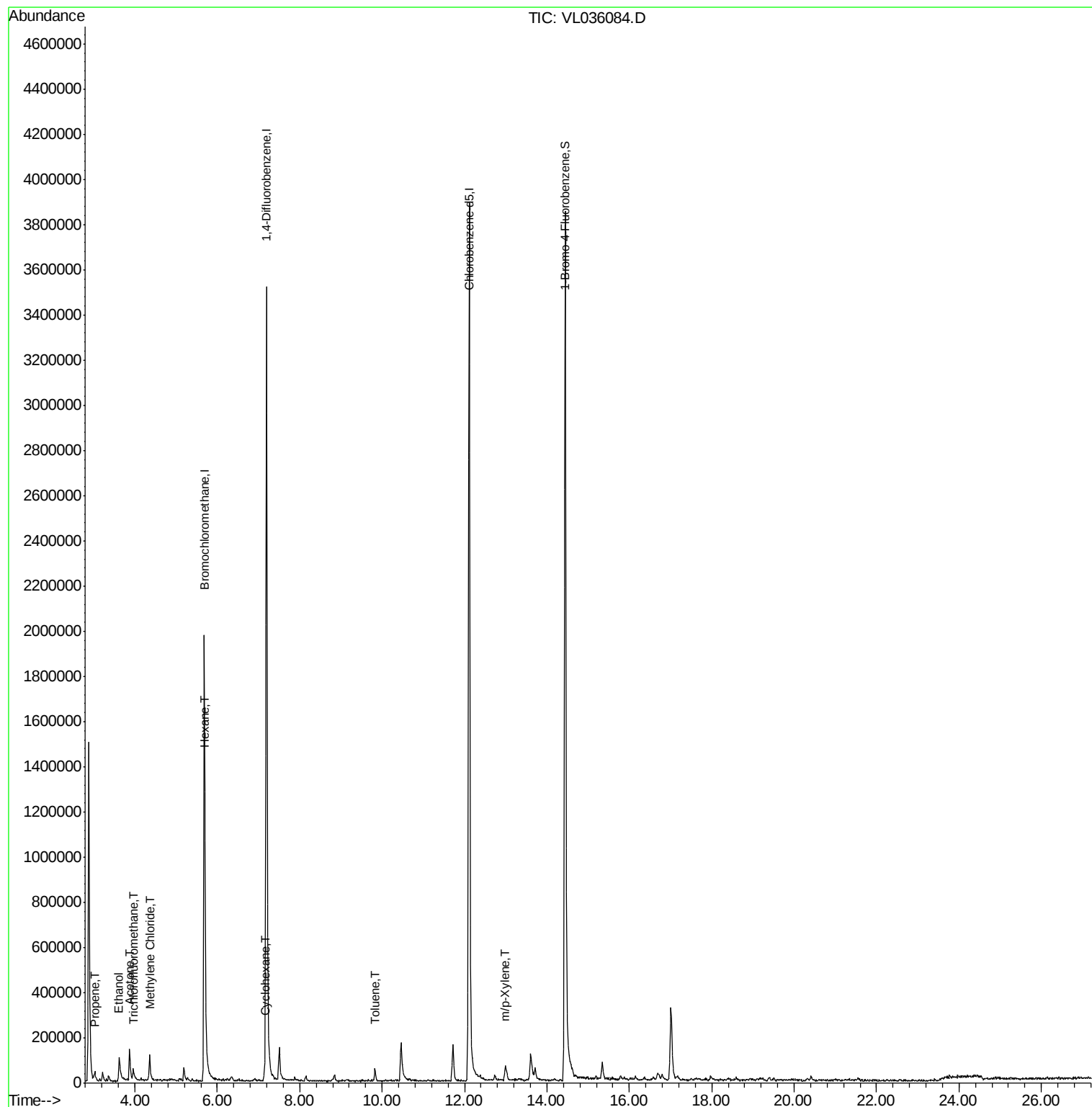
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Data File : VL036084.D
Acq On : 8 Dec 2020 3:44
Operator : SY/AP
Sample : L4948-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

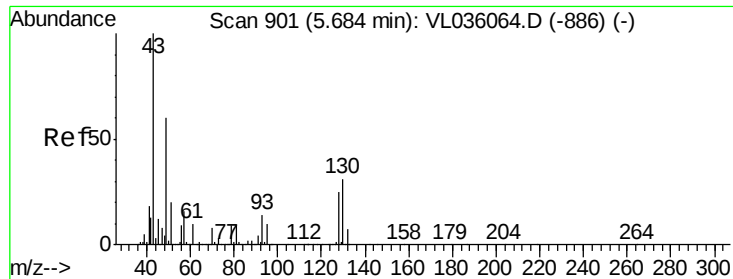
Instrument :
MSVOA_L
ClientSampleId :
IA-6BDL

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12/10/2020 9:53:53 AM

Quant Time: Dec 08 09:55:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL036084.D

Acq: 8 Dec 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

IA-6BDL

Tot Ion: 49 Resp: 1278296

Ion Ratio Lower Upper

49 100

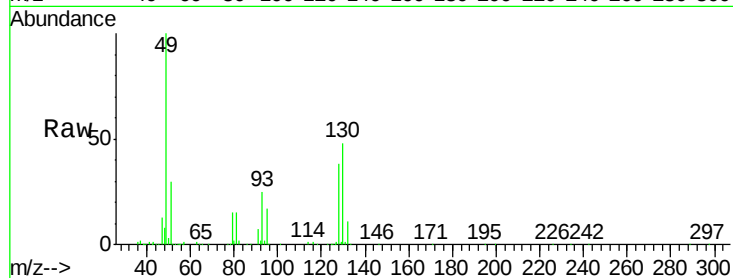
128 39.2 21.1 63.1

130 50.0 27.1 81.3

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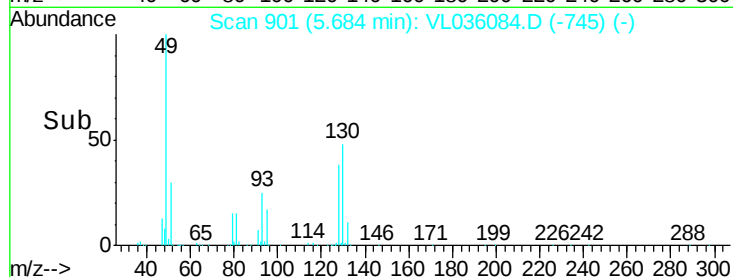
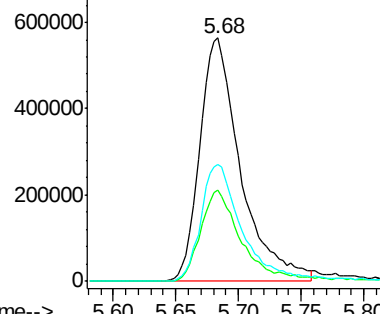
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.182 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL036084.D

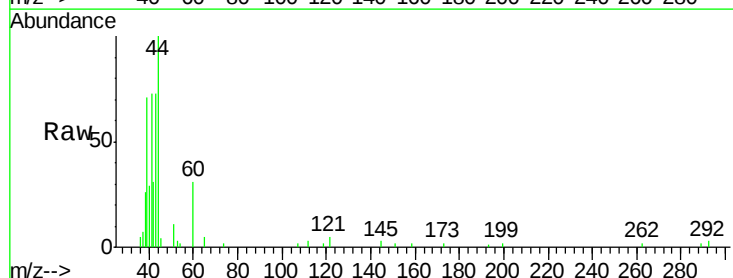
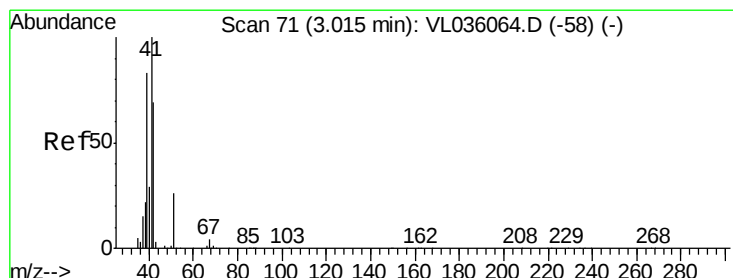
Acq: 8 Dec 2020 3:44

Tgt Ion: 41 Resp: 13312

Ion Ratio Lower Upper

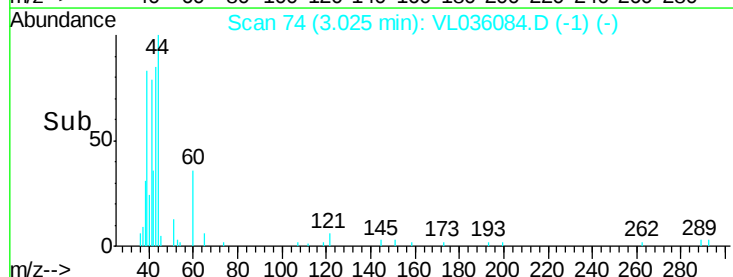
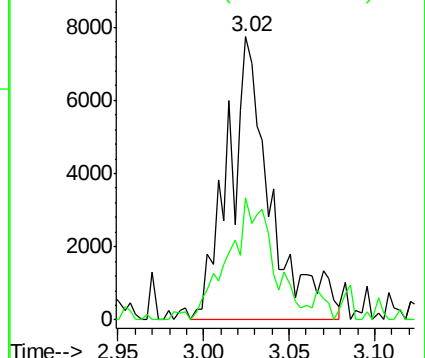
41 100

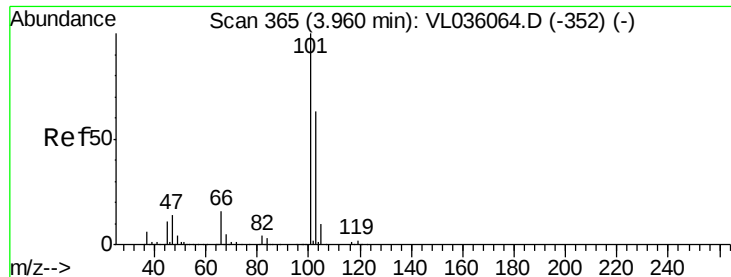
42 31.7 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





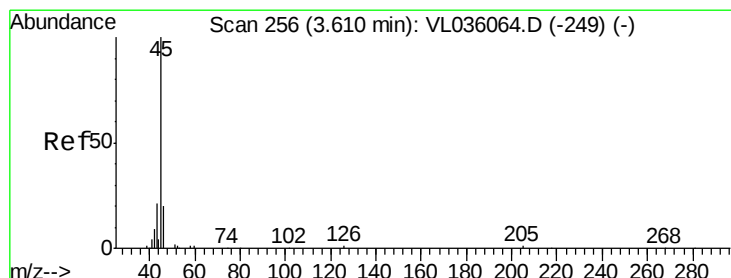
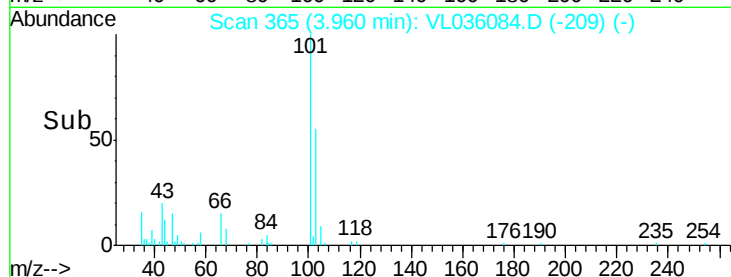
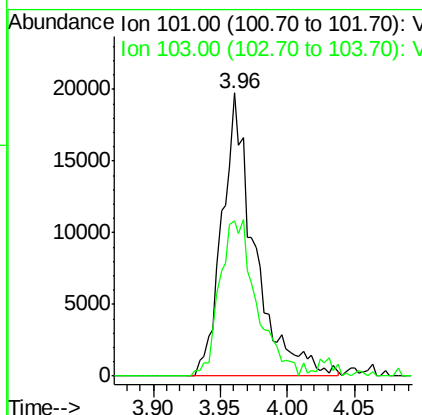
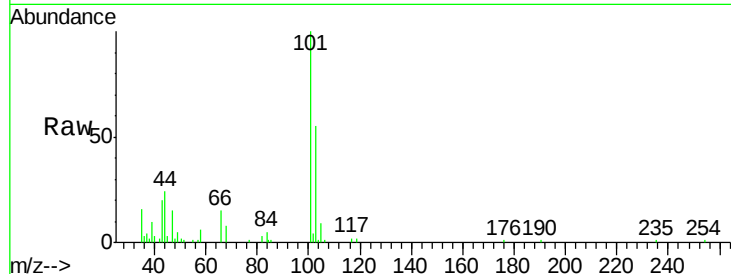
#11
 Trichlorofluoromethane
 Concen: 0.190 ppbv m
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL036084.D
 Acq: 8 Dec 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6BDL

Tot Ion:101 Resp: 33299
 Ion Ratio Lower Upper
 101 100
 103 54.8 50.3 75.5

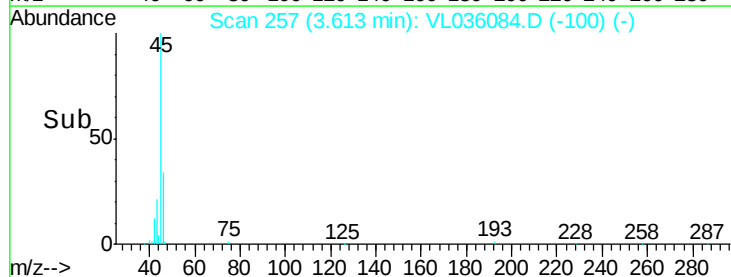
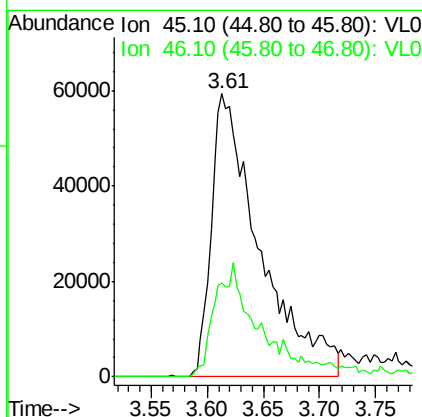
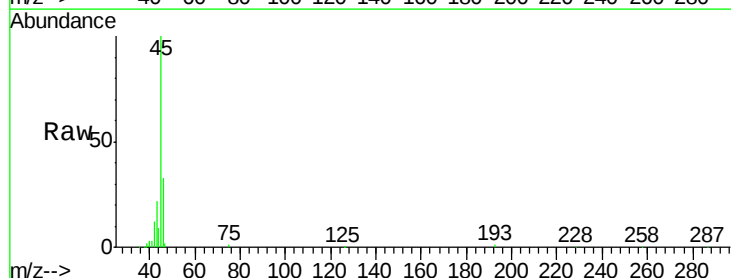
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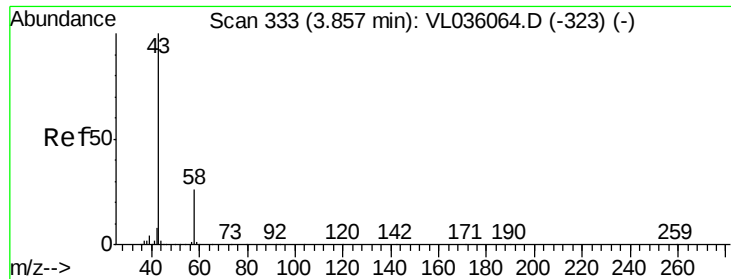
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#13
 Ethanol
 Concen: 17.635 ppbv m
 RT: 3.61 min Scan# 257
 Delta R.T. 0.00 min
 Lab File: VL036084.D
 Acq: 8 Dec 2020 3:44

Tgt Ion: 45 Resp: 177620
 Ion Ratio Lower Upper
 45 100
 46 0.0 19.0 75.8#





#15

Acetone

Concen: 1.054 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL036084.D

Acq: 8 Dec 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

IA-6BDL

Tot Ion: 43 Resp: 161957

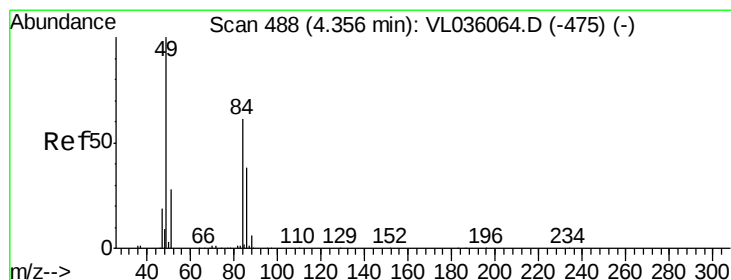
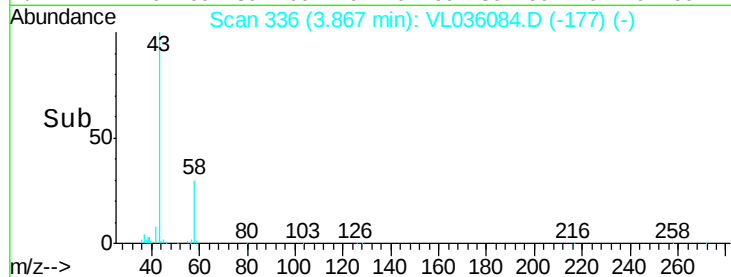
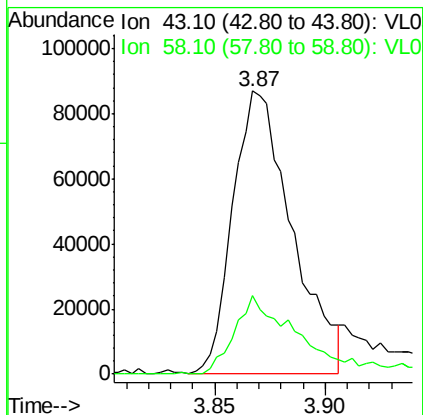
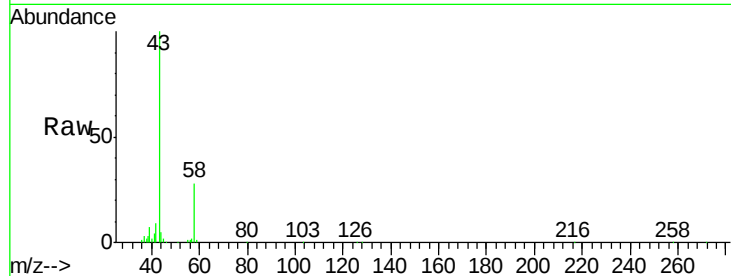
Ion Ratio Lower Upper

43 100

58 33.9 20.9 31.3#

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#20

Methylene Chloride

Concen: 0.681 ppbv m

RT: 4.36 min Scan# 489

Delta R.T. 0.00 min

Lab File: VL036084.D

Acq: 8 Dec 2020 3:44

Tgt Ion: 84 Resp: 42892

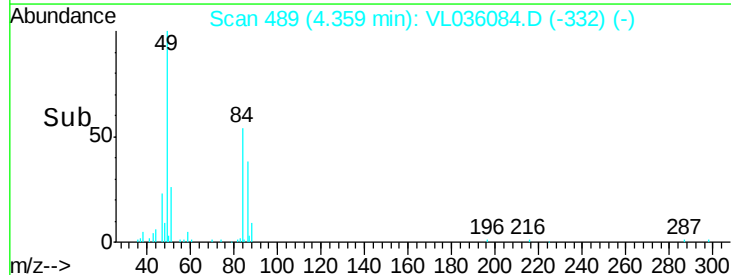
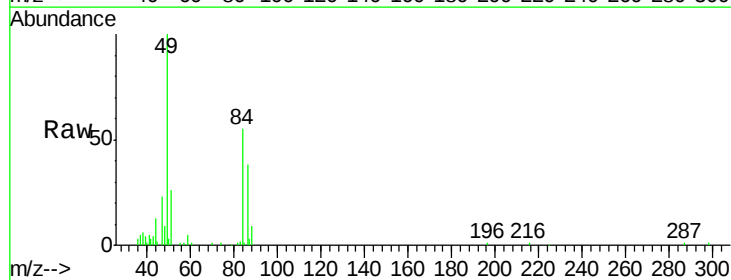
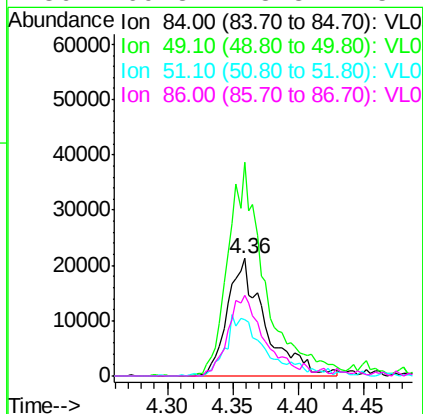
Ion Ratio Lower Upper

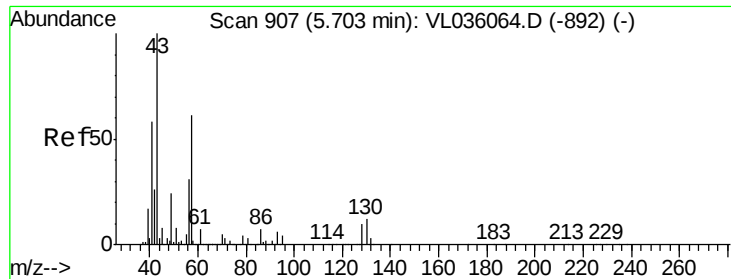
84 100

49 182.2 133.0 199.4

51 48.2 38.9 58.3

86 69.3 48.8 73.2





#26

Hexane

Concen: 0.239 ppbv m

RT: 5.71 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL036084.D

Acq: 8 Dec 2020 3:44

Instrument :

MSVOA_L

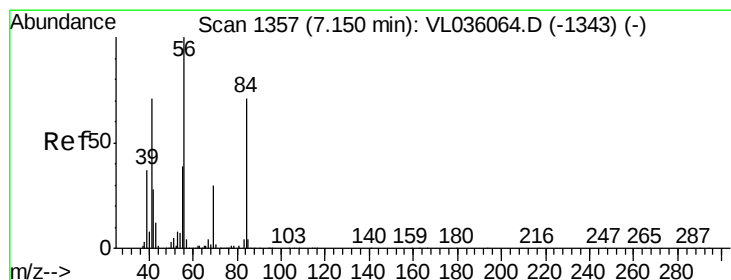
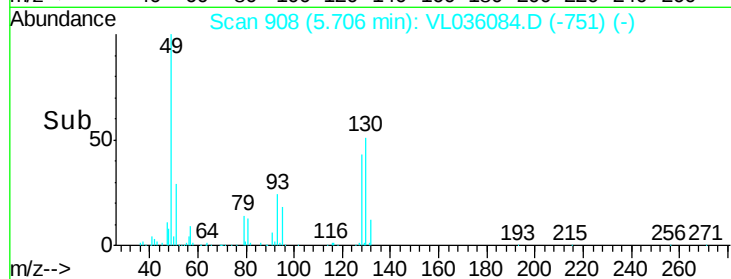
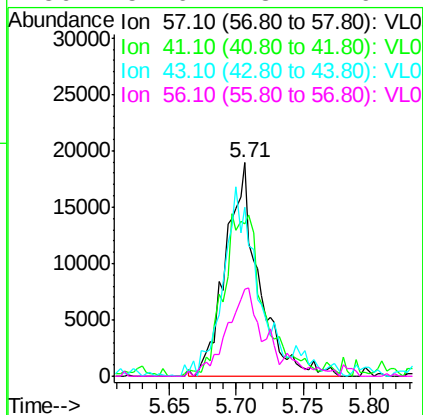
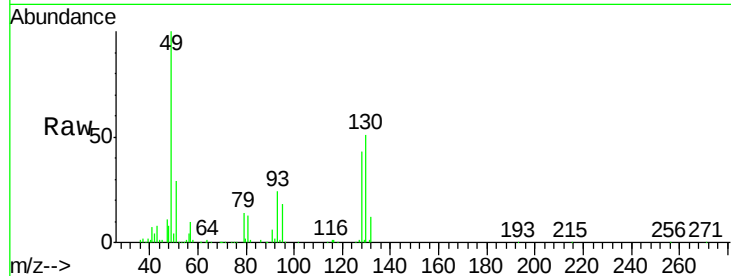
ClientSampled :

IA-6BDL

Tot Ion	57	Resp	33049
Ion	Ratio	Lower	Upper
57	100		
41	91.2	82.9	124.3
43	98.5	199.9	299.9#
56	51.6	43.1	64.7

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#30

Cyclohexane

Concen: 0.209 ppbv m

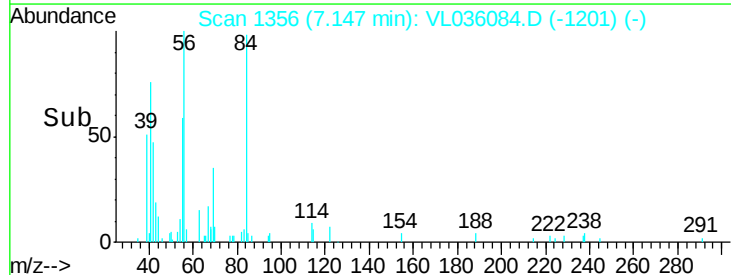
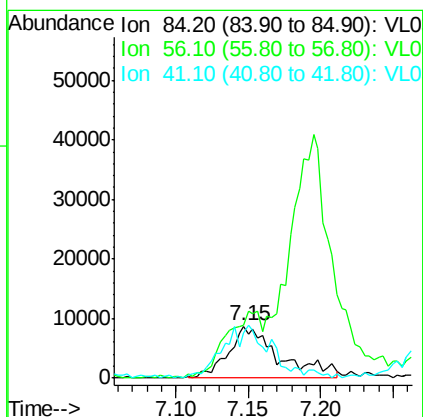
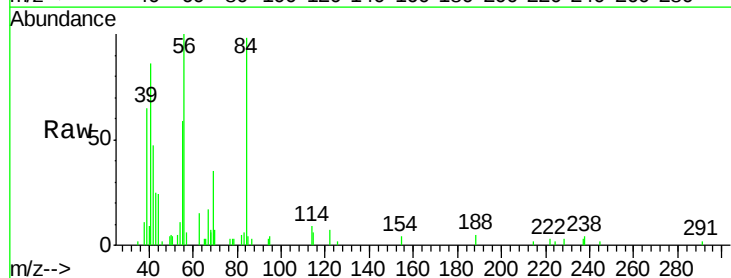
RT: 7.15 min Scan# 1356

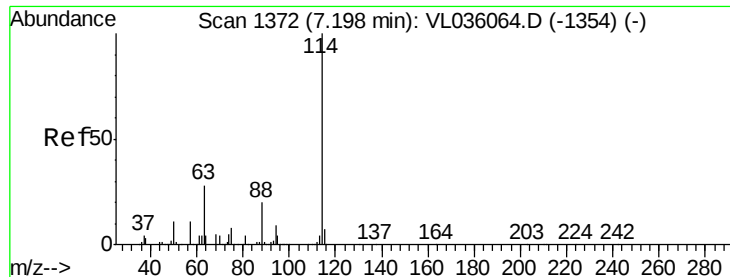
Delta R.T. -0.00 min

Lab File: VL036084.D

Acq: 8 Dec 2020 3:44

Tgt Ion	84	Resp	21205
Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	90.8	81.3	121.9





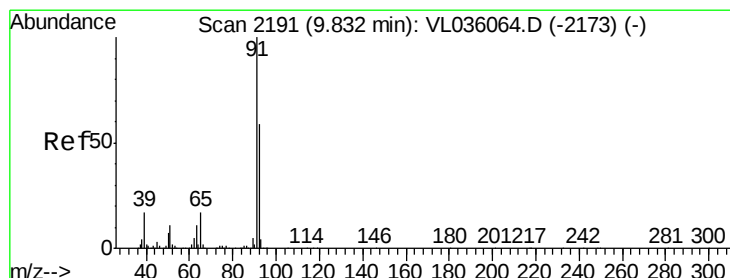
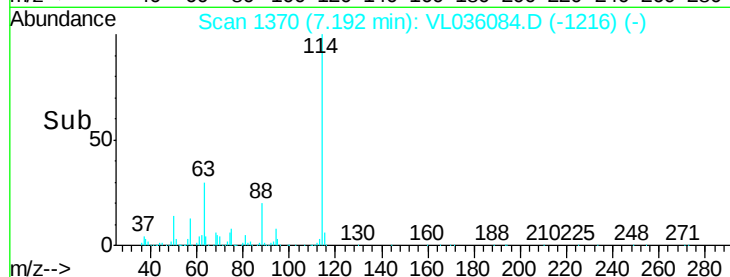
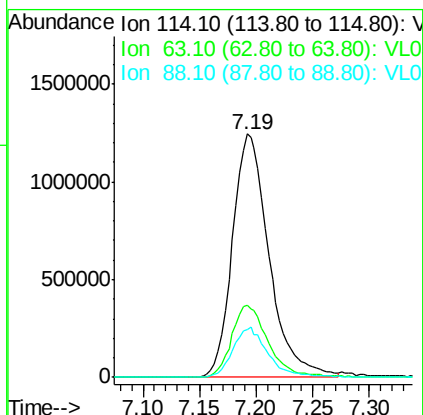
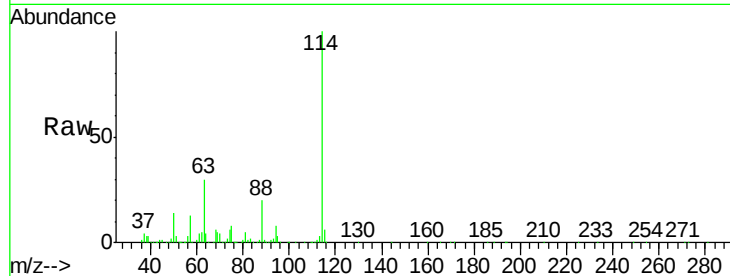
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036084.D
 Acq: 8 Dec 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6BDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.0	23.6	35.4
88	20.1	15.8	23.6

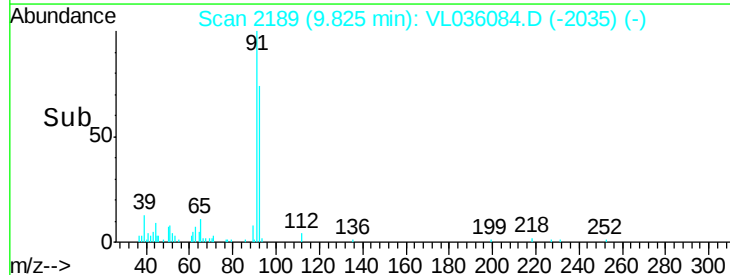
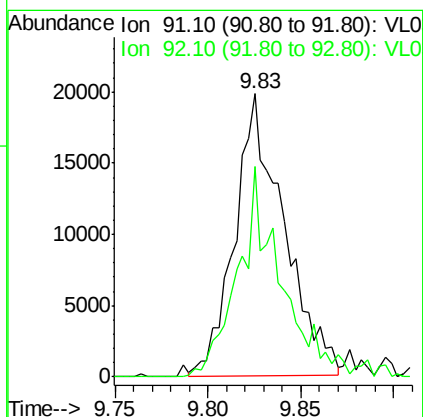
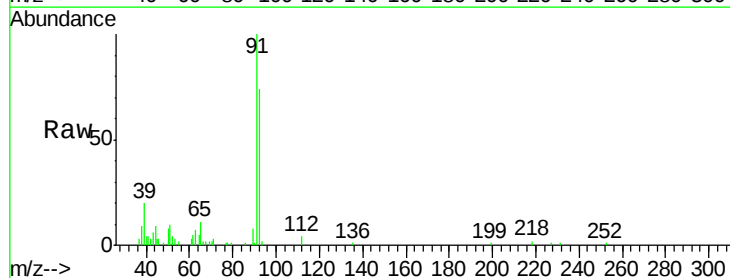
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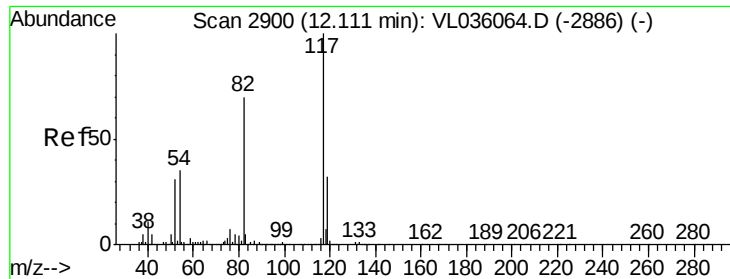
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#53
 Toluene
 Concen: 0.136 ppbv
 RT: 9.83 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: VL036084.D
 Acq: 8 Dec 2020 3:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.1	48.2	72.2





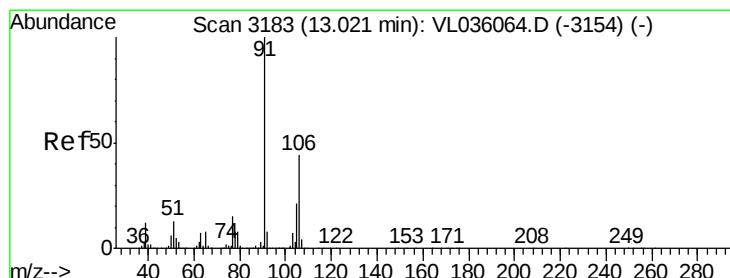
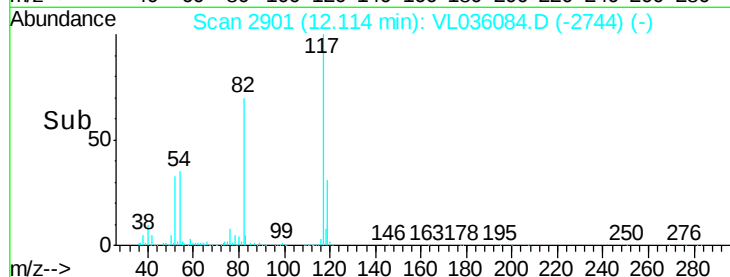
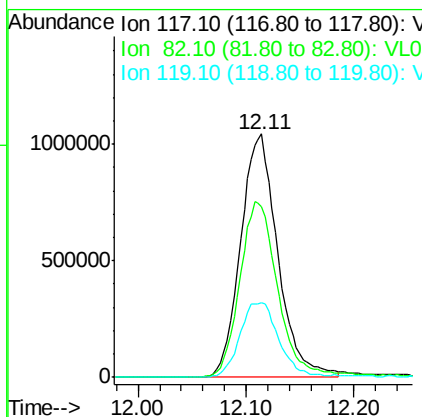
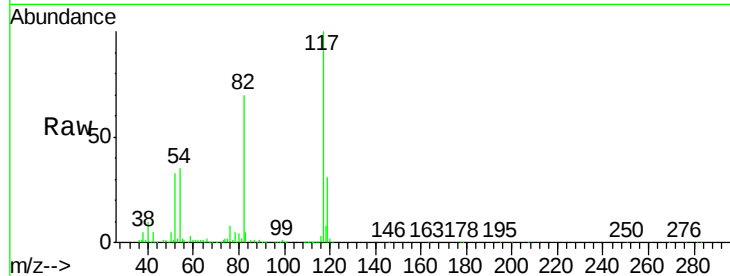
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL036084.D
Acq: 8 Dec 2020 3:44

Instrument :
MSVOA_L
ClientSampleId :
IA-6BDL

Tot Ion:117 Resp: 2502728
Ion Ratio Lower Upper
117 100
82 75.4 0.0 0.0#
119 33.6 0.0 0.0#

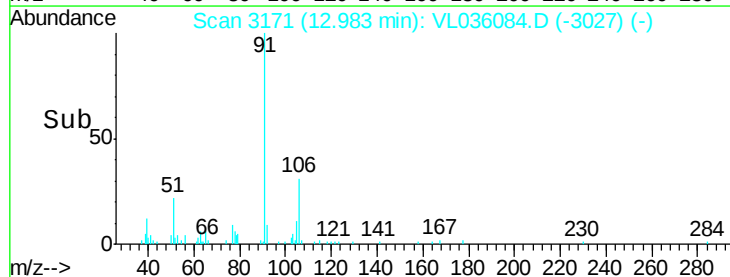
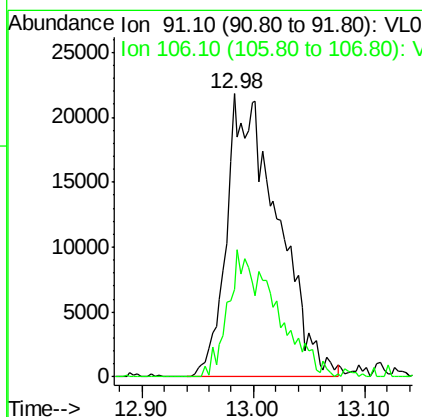
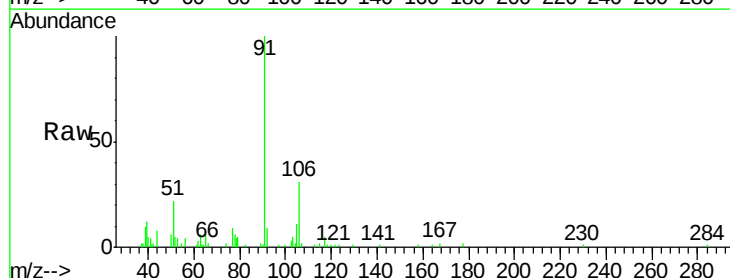
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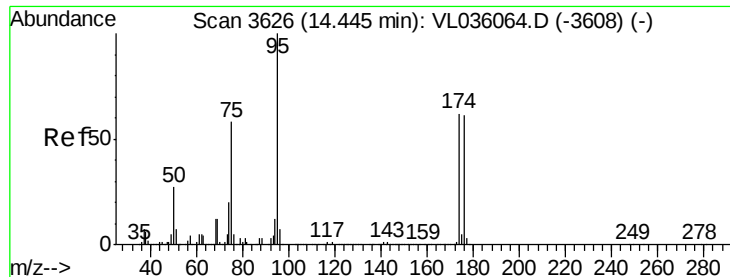
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#59
m/p-Xylene
Concen: 0.240 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL036084.D
Acq: 8 Dec 2020 3:44

Tgt Ion: 91 Resp: 69230
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.536 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036084.D
 Acq: 8 Dec 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6BDL

Tot Ion: 95 Resp: 2093803
 Ion Ratio Lower Upper
 95 100
 174 58.8 50.7 76.1
 175 4.4 4.0 6.0

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 12/10/2020 9:53:53 AM

