

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035607.D
 Acq On : 14 Sep 2020 20:24
 Operator : SY/AP
 Sample : L3983-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9DL

Manual Integrations
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Quant Time: Sep 15 16:22:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1070769	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4563881	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4581258	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3435545	10.56	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	14768	1.305	ppbv	97
15) Acetone	3.83	43	1880352	15.922	ppbv	96
34) 2-Butanone	5.25	43	148238	1.094	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	203266	1.036	ppbv	99
52) Tetrachloroethene	11.22	164	216044	1.252	ppbv	94
53) Toluene	9.80	91	673813	1.814	ppbv	97
59) m/p-Xylene	12.97	91	128730m	0.326	ppbv	

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

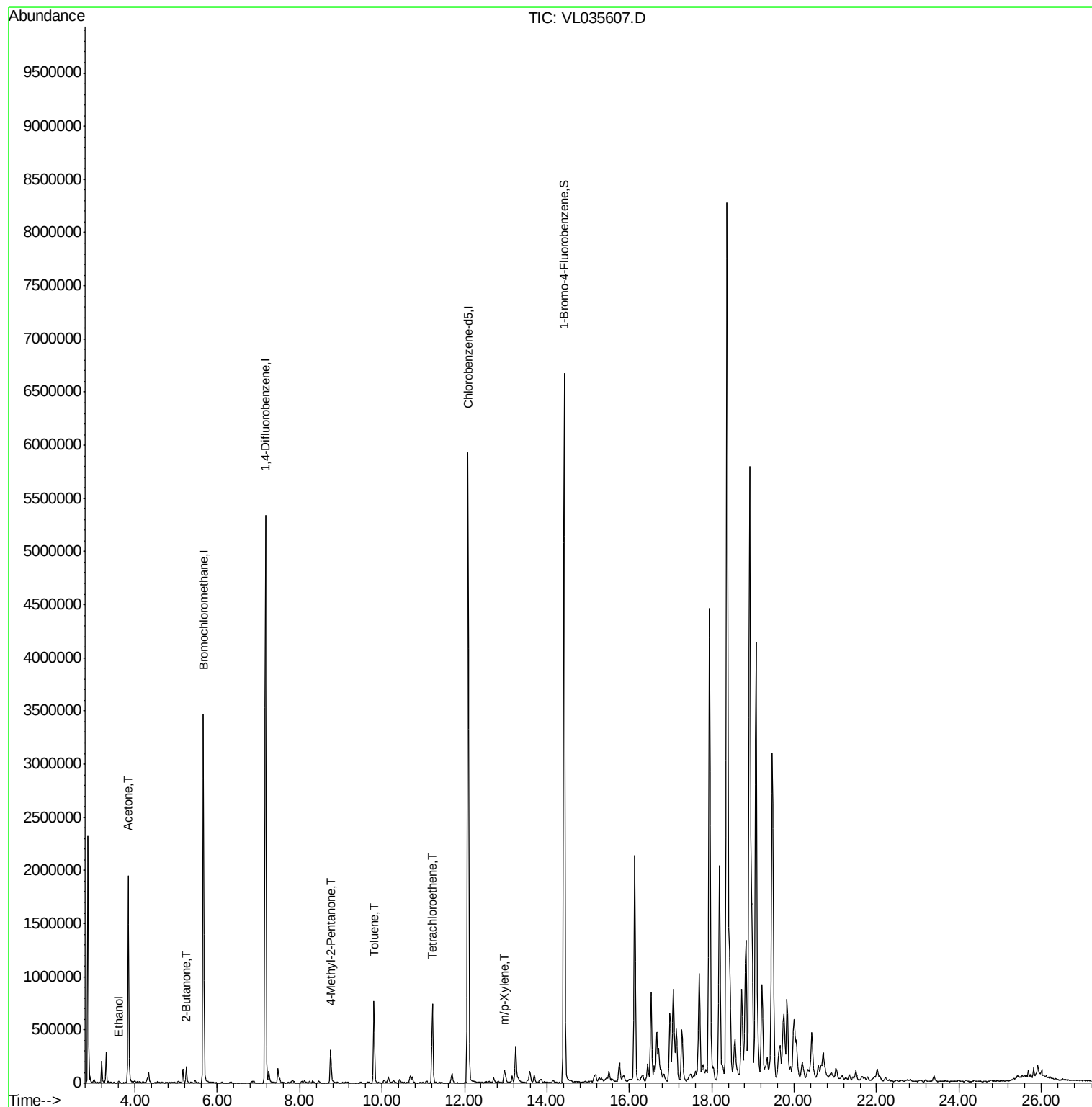
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Data File : VL035607.D
Acq On : 14 Sep 2020 20:24
Operator : SY/AP
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MSVOA_L
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SV-9DL

Quant Time: Sep 15 16:22:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

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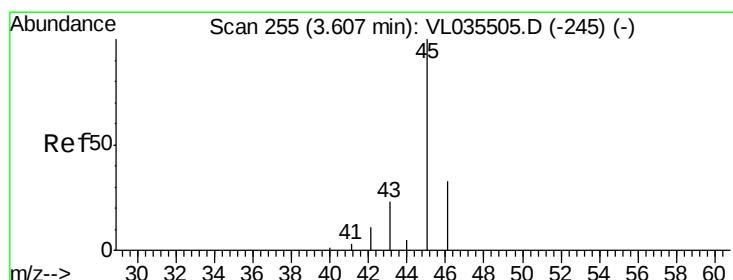
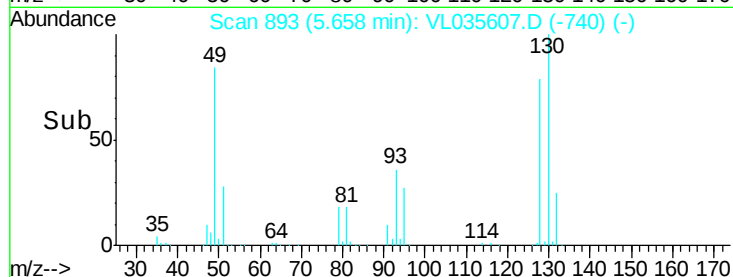
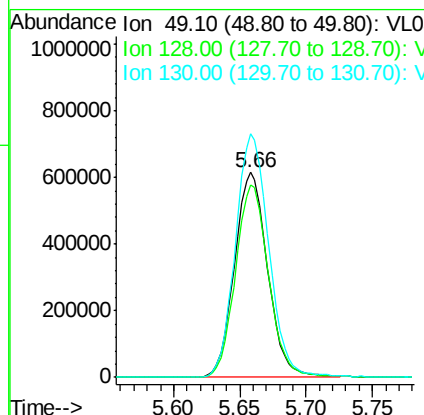
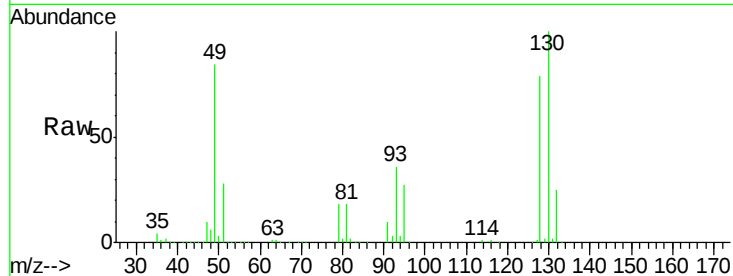
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035607.D
Acq: 14 Sep 2020 20:24

Instrument :
MSVOA_L
ClientSampleId :
SV-9DL

Tot Ion: 49 Resp: 1070769
Ion Ratio Lower Upper
49 100
128 94.4 50.0 150.1
130 120.3 64.4 193.2

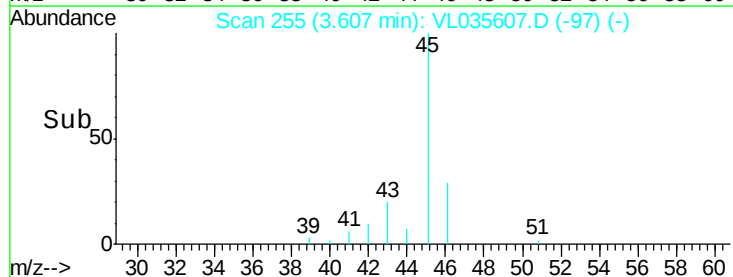
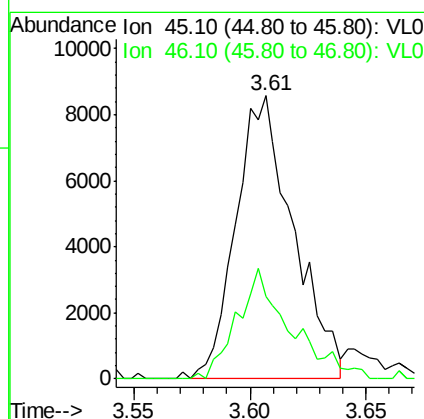
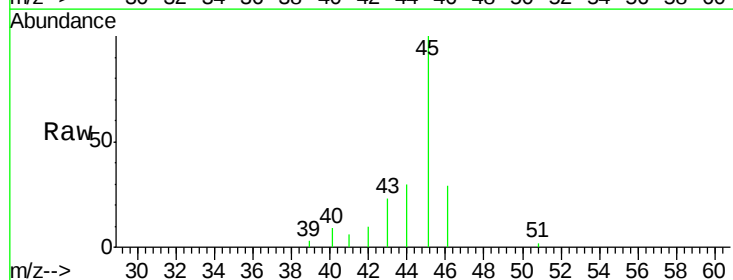
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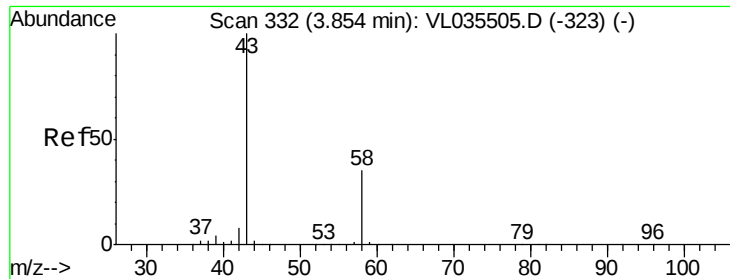
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#13
Ethanol
Concen: 1.305 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL035607.D
Acq: 14 Sep 2020 20:24

Tgt Ion: 45 Resp: 14768
Ion Ratio Lower Upper
45 100
46 36.2 15.2 60.6





#15

Acetone

Concen: 15.922 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL035607.D

Acq: 14 Sep 2020 20:24

Instrument :

MSVOA_L

ClientSampled :

SV-9DL

Tot Ion: 43 Resp: 1880352

Ion Ratio Lower Upper

43 100

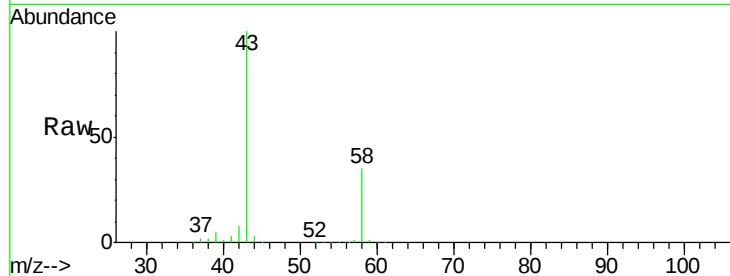
58 37.9 28.4 42.6

Manual Integrations

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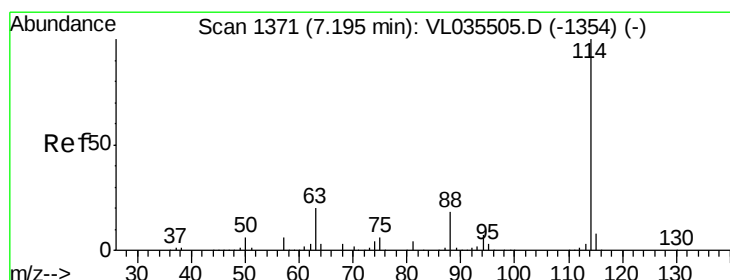
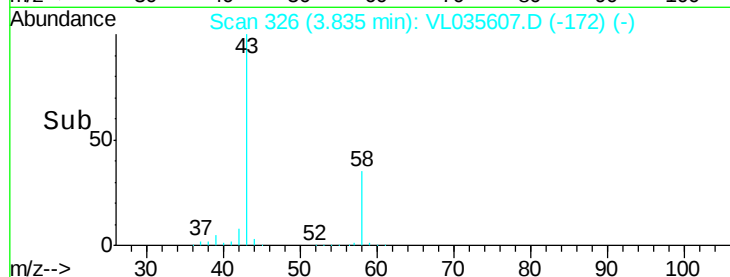
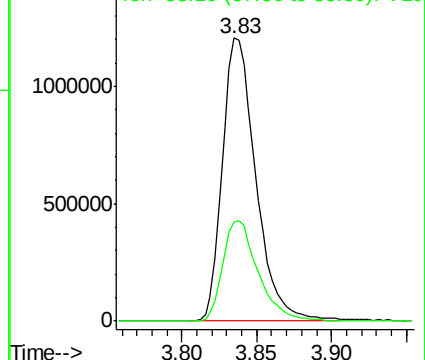
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035607.D

Acq: 14 Sep 2020 20:24

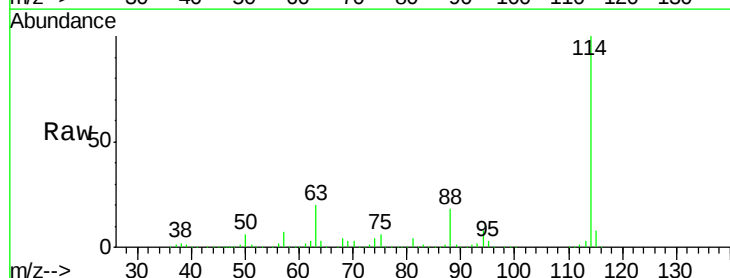
Tgt Ion: 114 Resp: 4563881

Ion Ratio Lower Upper

114 100

63 18.3 14.7 22.1

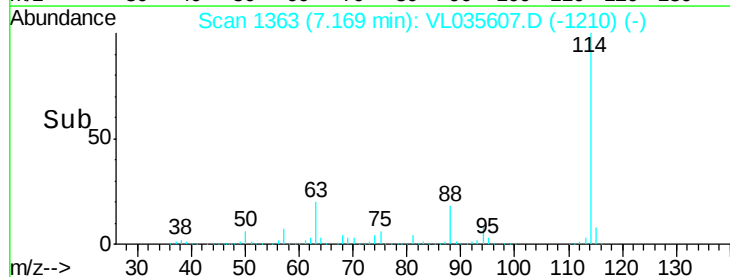
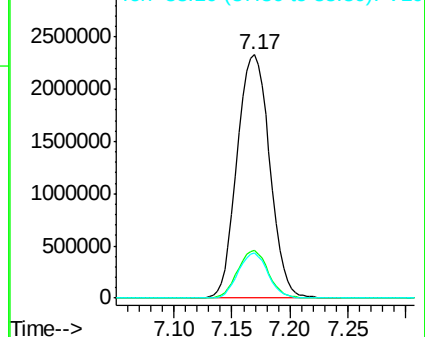
88 17.1 13.4 20.2

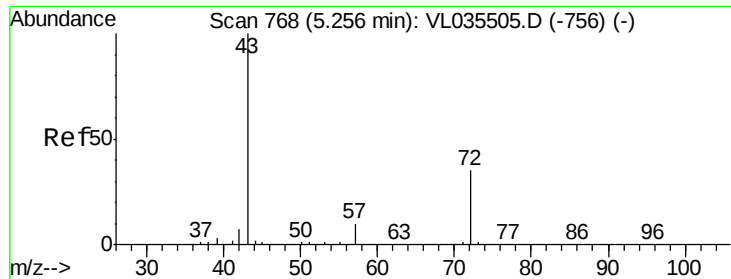


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





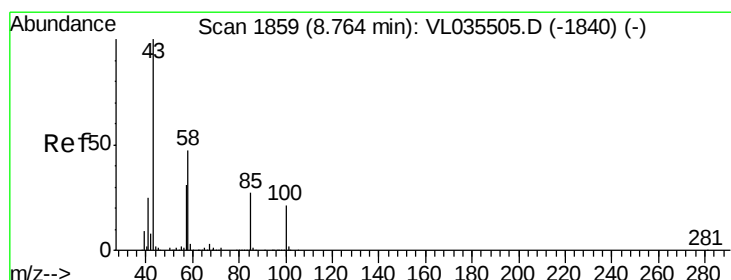
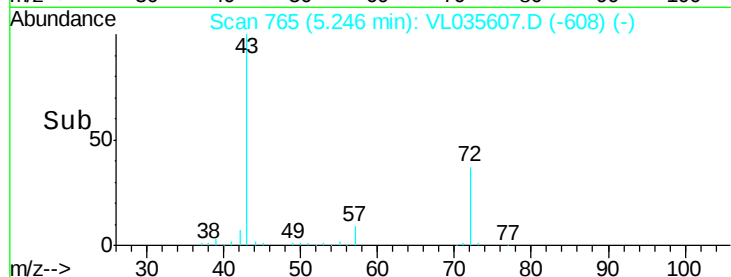
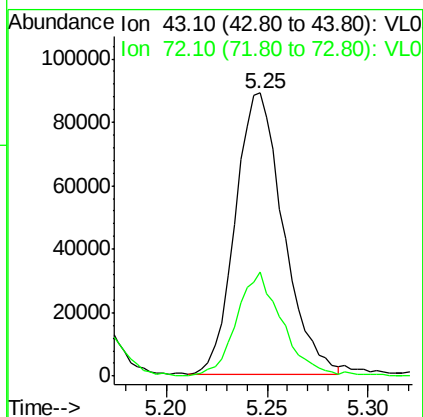
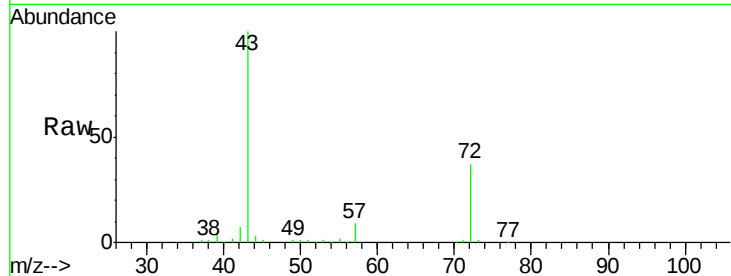
#34
 2-Butanone
 Concen: 1.094 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL035607.D
 Acq: 14 Sep 2020 20:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9DL

Tot Ion: 43 Resp: 148238
 Ion Ratio Lower Upper
 43 100
 72 35.6 27.7 41.5

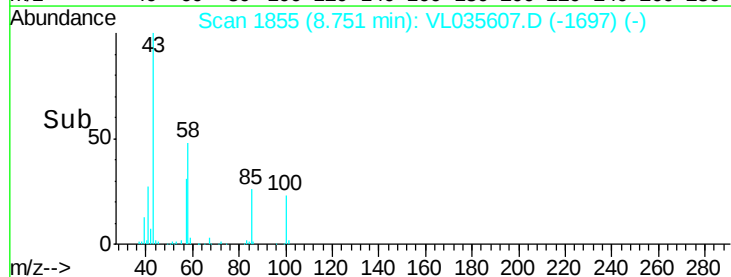
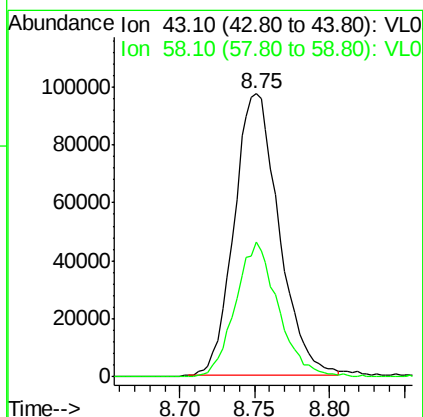
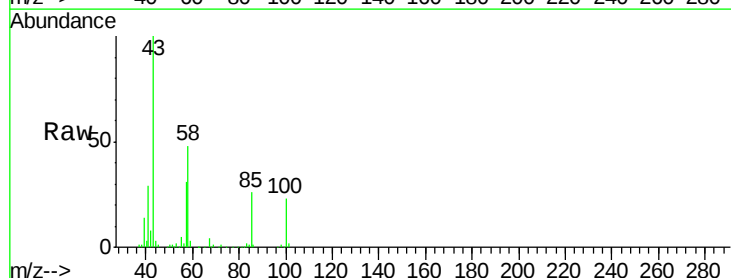
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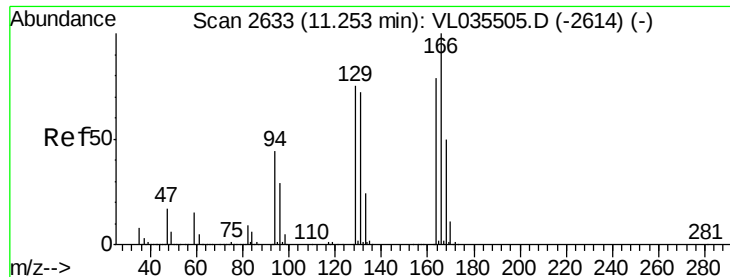
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#50
 4-Methyl-2-Pentanone
 Concen: 1.036 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VL035607.D
 Acq: 14 Sep 2020 20:24

Tgt Ion: 43 Resp: 203266
 Ion Ratio Lower Upper
 43 100
 58 46.0 37.4 56.0





#52

Tetrachloroethene

Concen: 1.252 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL035607.D

Acq: 14 Sep 2020 20:24

Instrument :

MSVOA_L

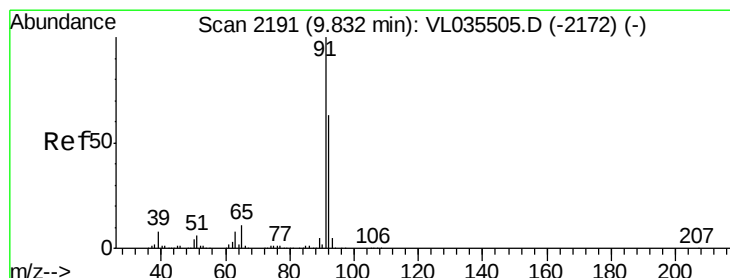
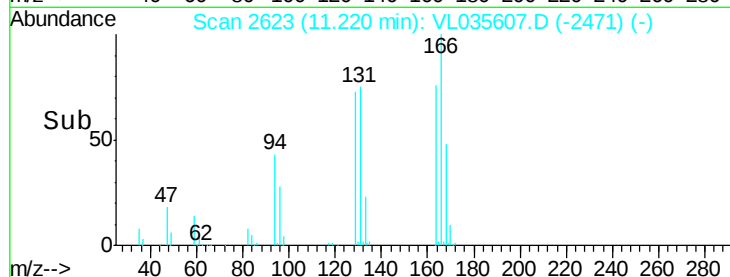
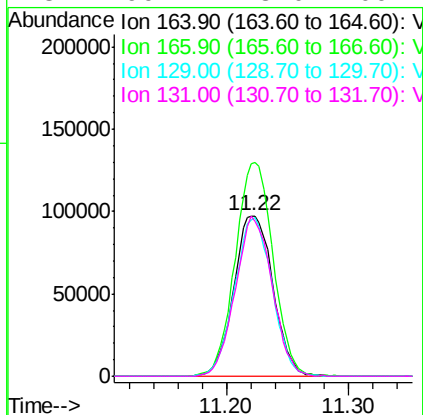
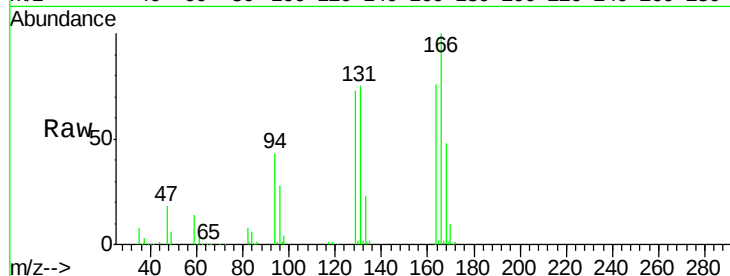
ClientSampleId :

SV-9DL

Tot Ion:	164	Resp:	216044
Ion	Ratio	Lower	Upper
164	100		
166	132.3	100.9	151.3
129	97.1	75.3	112.9
131	99.7	73.0	109.4

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#53

Toluene

Concen: 1.814 ppbv

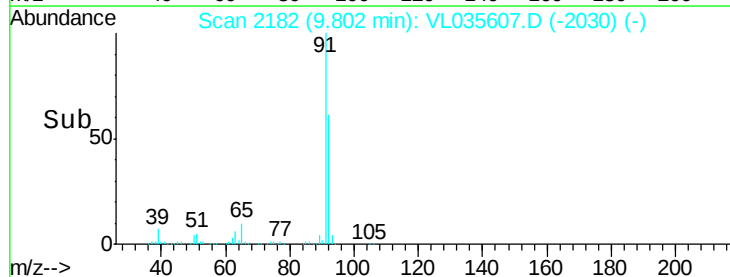
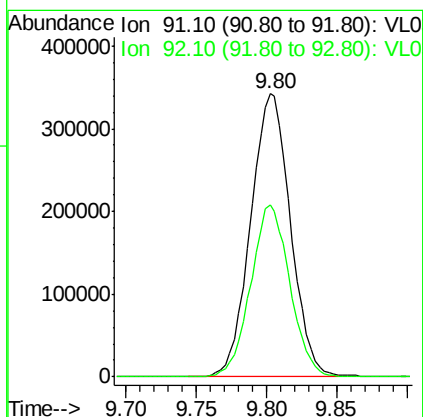
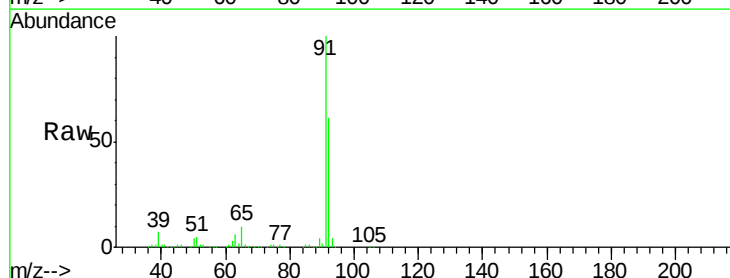
RT: 9.80 min Scan# 2182

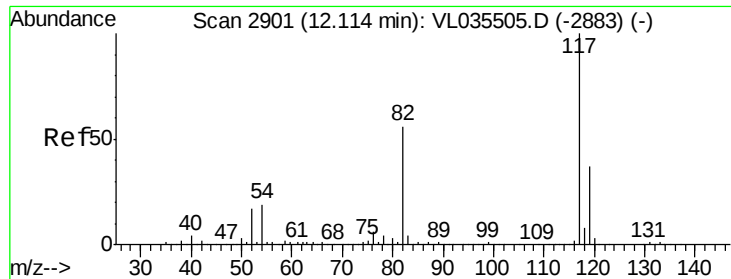
Delta R.T. -0.01 min

Lab File: VL035607.D

Acq: 14 Sep 2020 20:24

Tgt Ion:	91	Resp:	673813
Ion	Ratio	Lower	Upper
91	100		
92	60.0	49.8	74.8





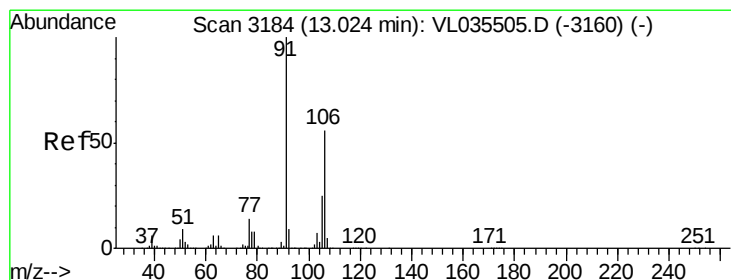
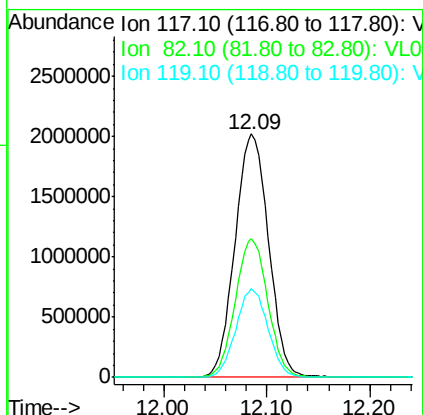
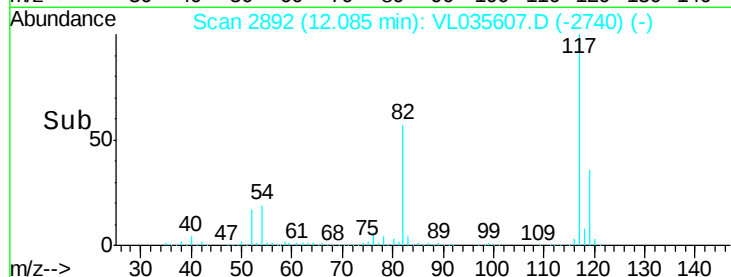
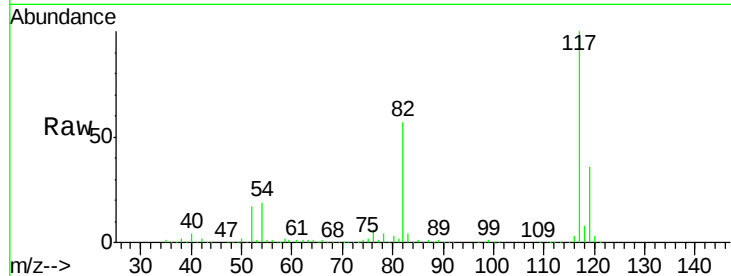
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035607.D
Acq: 14 Sep 2020 20:24

Instrument :
MSVOA_L
ClientSampleId :
SV-9DL

Tot Ion:117 Resp: 4581258
Ion Ratio Lower Upper
117 100
82 55.6 41.6 62.4
119 35.0 29.3 43.9

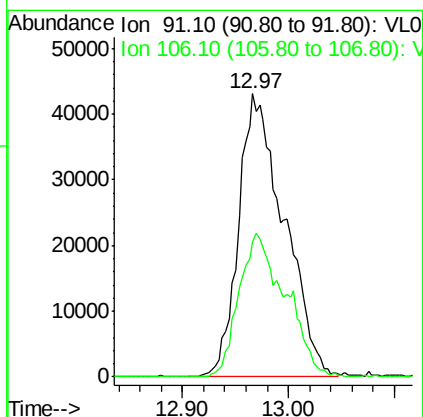
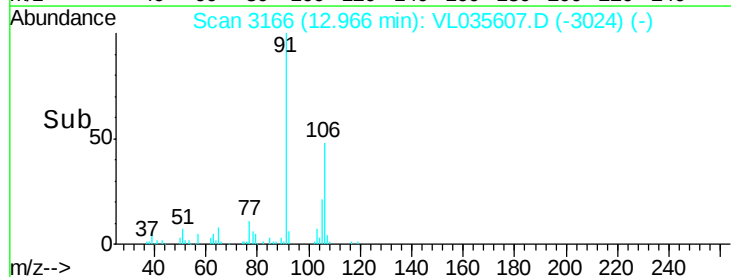
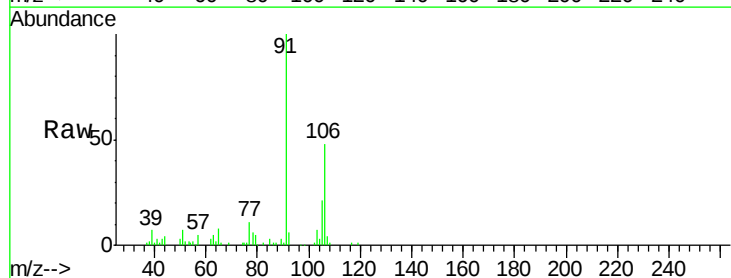
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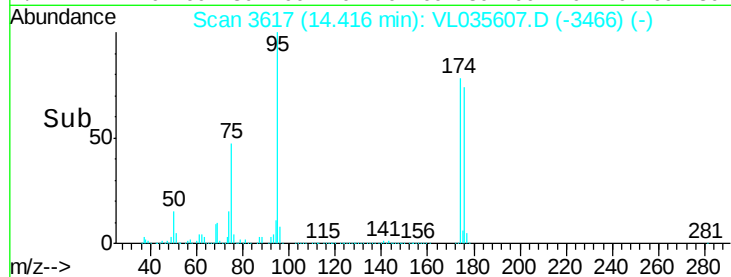
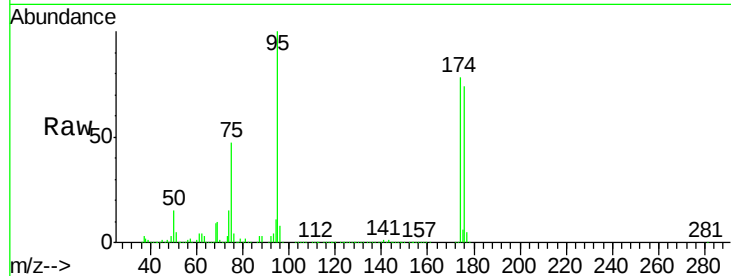
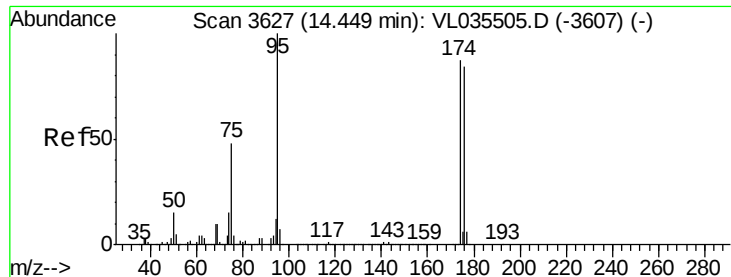
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#59
m/p-Xylene
Concen: 0.326 ppbv m
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035607.D
Acq: 14 Sep 2020 20:24

Tgt Ion: 91 Resp: 128730
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.560 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL035607.D

Acq: 14 Sep 2020 20:24

Tot Ion: 95 Resp: 3435545

Ion Ratio Lower Upper

95 100

174 79.9 69.6 104.4

175 5.7 5.1 7.7

Instrument :

MSVOA_L

ClientSampleId :

SV-9DL

Manual Integrations

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