

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035665.D
 Acq On : 17 Sep 2020 20:41
 Operator : SY/AP
 Sample : L3983-02DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL2

Manual Integrations
 APPROVED

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 9/22/2020 2:11:42 PM

Quant Time: Sep 18 04:45:22 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 15:19:50 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	5.67	49	1154374	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4456655	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4488352	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3302845	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	8140	0.667	ppbv	100
15) Acetone	3.85	43	1083963	8.514	ppbv	98
34) 2-Butanone	5.26	43	79447	0.601	ppbv	100
38) Trichloroethene	7.84	130	74462	0.444	ppbv	96
52) Tetrachloroethene	11.24	164	5009399	29.724	ppbv	89
53) Toluene	9.82	91	53336	0.147	ppbv	100
59) m/p-Xylene	12.99	91	50383m	0.130	ppbv	

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

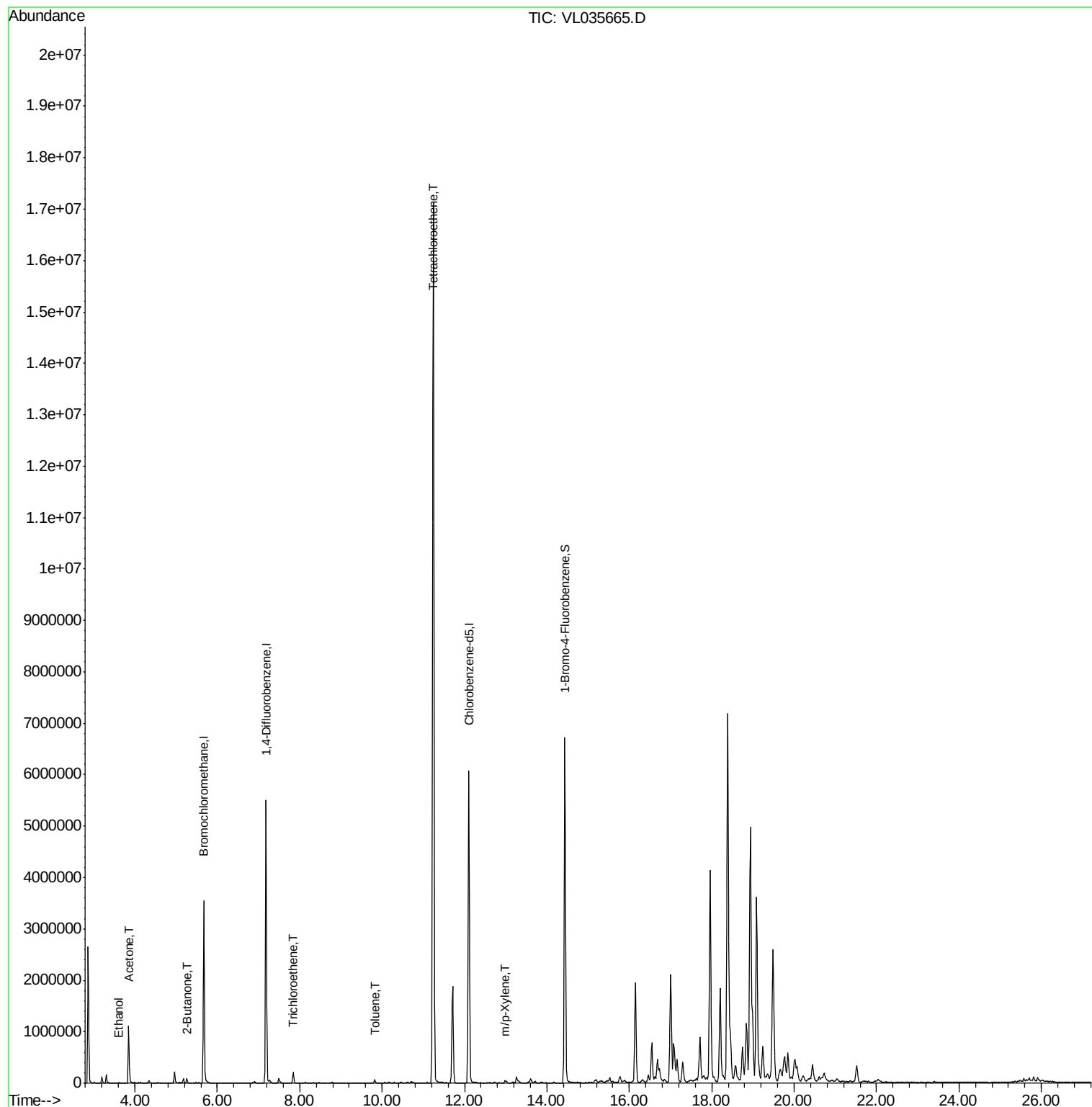
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091720\
Data File : VL035665.D
Acq On : 17 Sep 2020 20:41
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

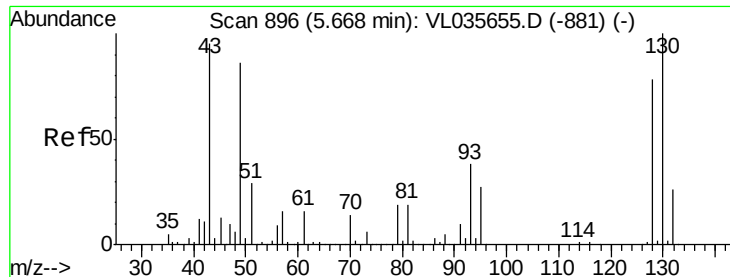
Instrument :
MSVOA_L
ClientSampleId :
SV-7DL2

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Quant Time: Sep 18 04:45:22 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035665.D

Acq: 17 Sep 2020 20:41

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL2

Tot Ion: 49 Resp: 1154374

Ion Ratio Lower Upper

49 100

128 89.1 50.0 150.1

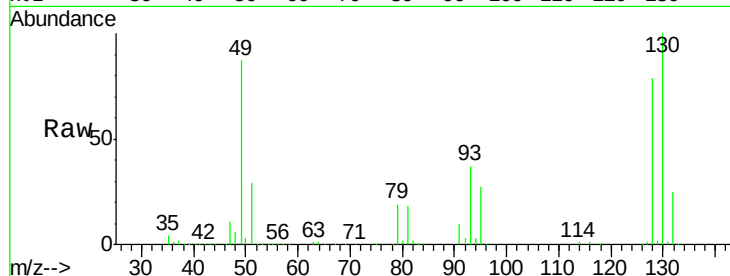
130 113.3 64.4 193.2

Manual Integrations

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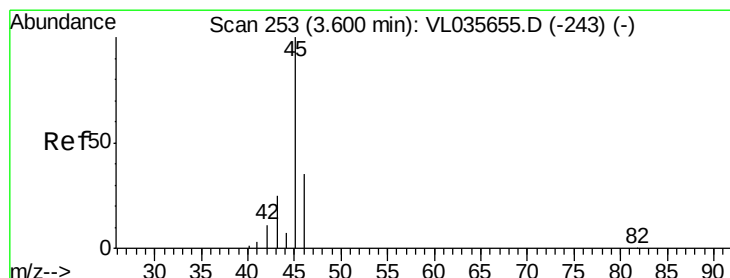
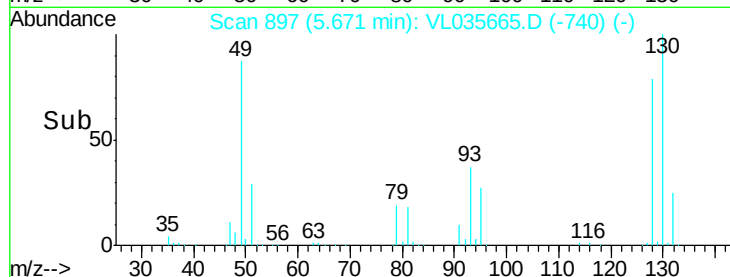
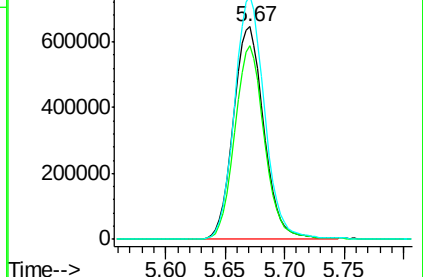
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.667 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL035665.D

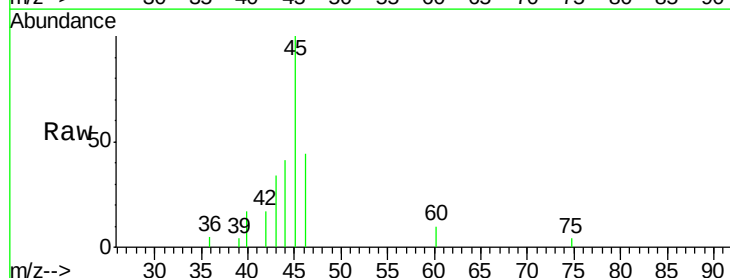
Acq: 17 Sep 2020 20:41

Tgt Ion: 45 Resp: 8140

Ion Ratio Lower Upper

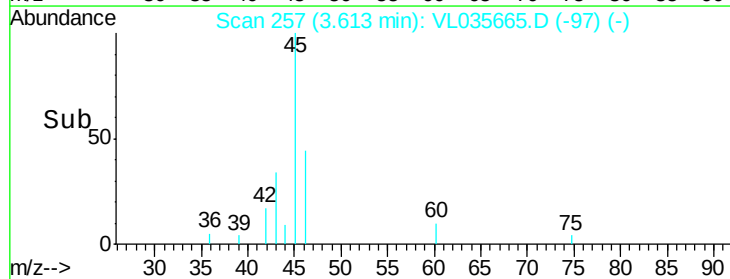
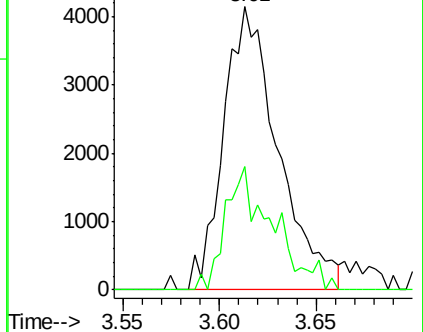
45 100

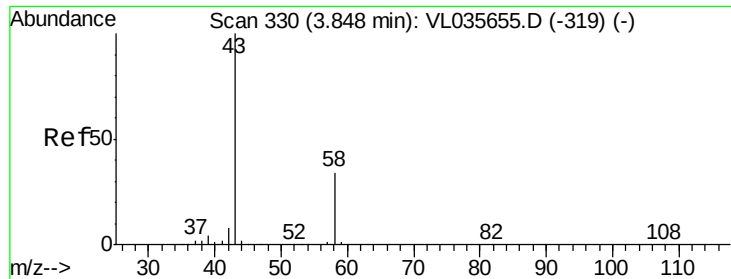
46 37.7 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 8.514 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL035665.D

Acq: 17 Sep 2020 20:41

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL2

Tot Ion: 43 Resp: 1083963

Ion Ratio Lower Upper

43 100

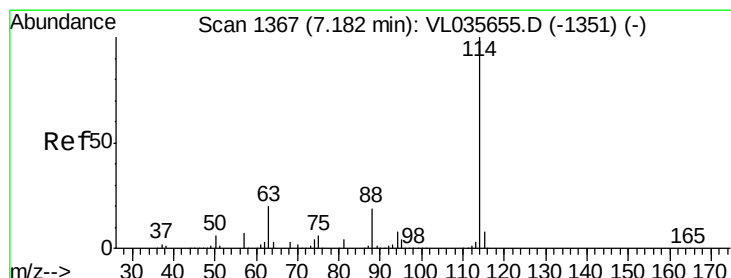
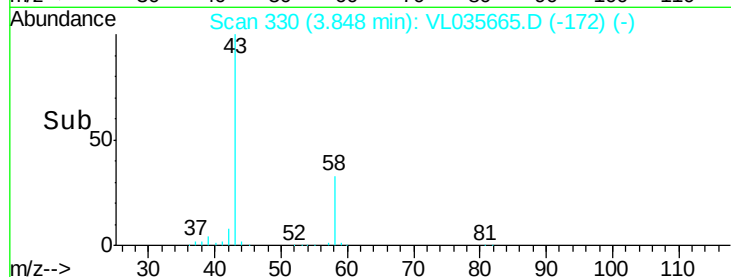
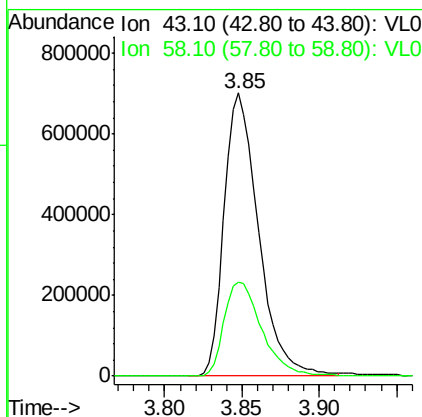
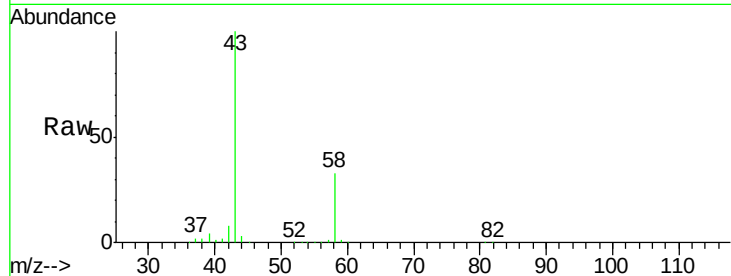
58 36.9 28.4 42.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035665.D

Acq: 17 Sep 2020 20:41

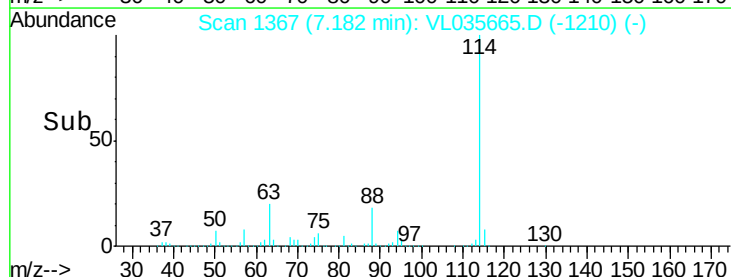
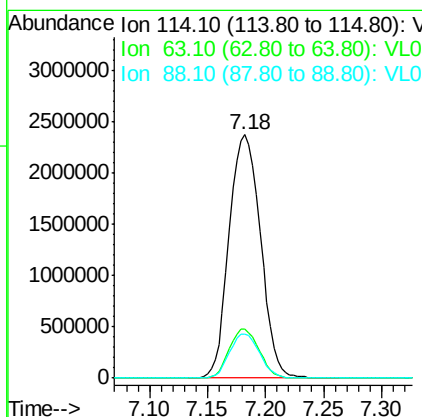
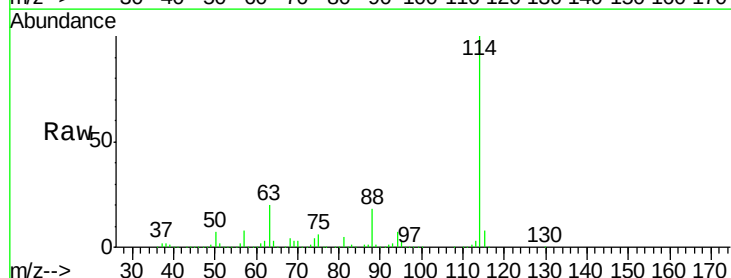
Tgt Ion: 114 Resp: 4456655

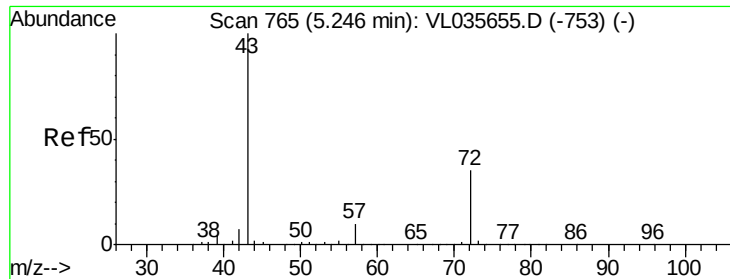
Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

88 17.4 13.4 20.2





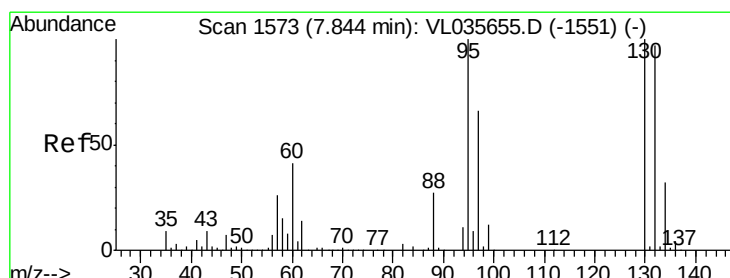
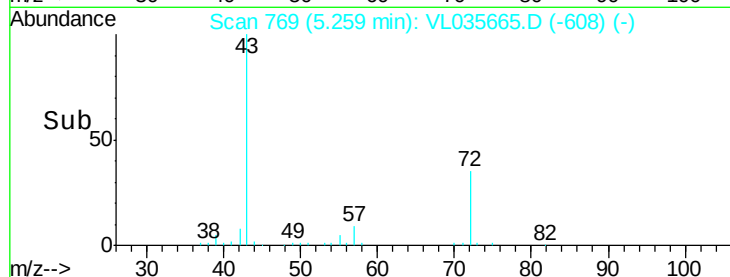
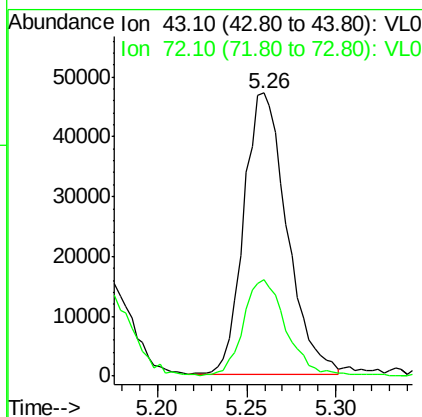
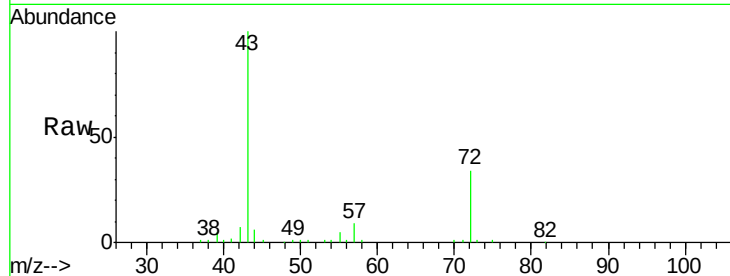
#34
2-Butanone
Concen: 0.601 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.02 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Instrument :
MSVOA_L
ClientSampled :
SV-7DL2

Tot Ion: 43 Resp: 79447
Ion Ratio Lower Upper
43 100
72 34.6 27.7 41.5

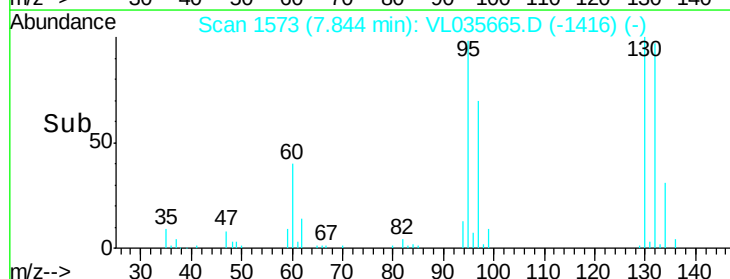
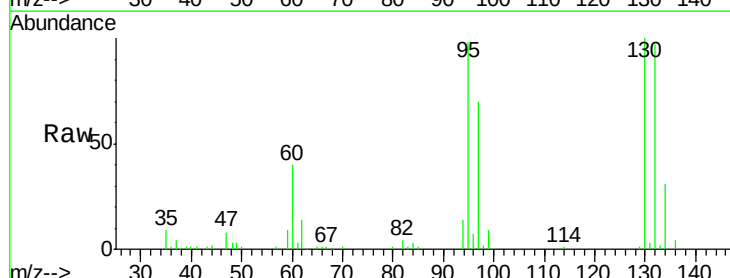
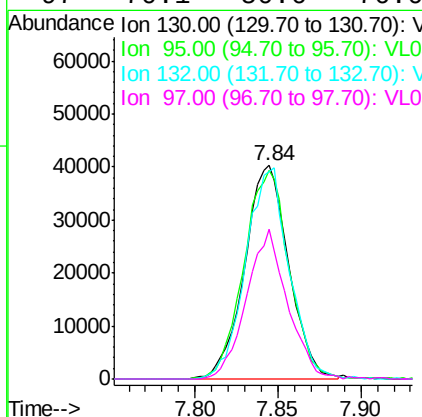
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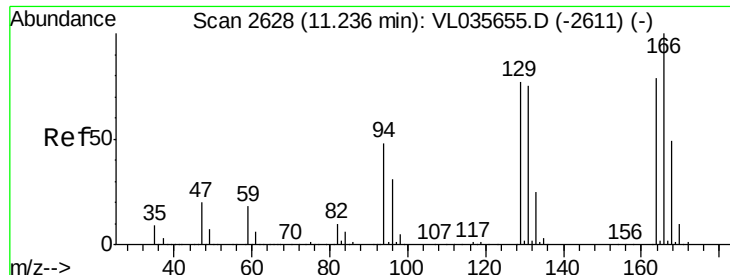
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#38
Trichloroethene
Concen: 0.444 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Tgt Ion:130 Resp: 74462
Ion Ratio Lower Upper
130 100
95 97.6 74.6 112.0
132 97.1 77.6 116.4
97 70.1 50.6 76.0





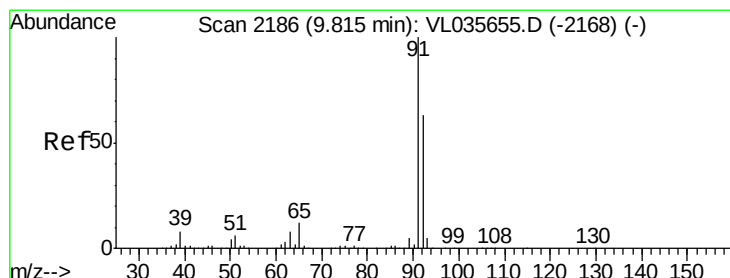
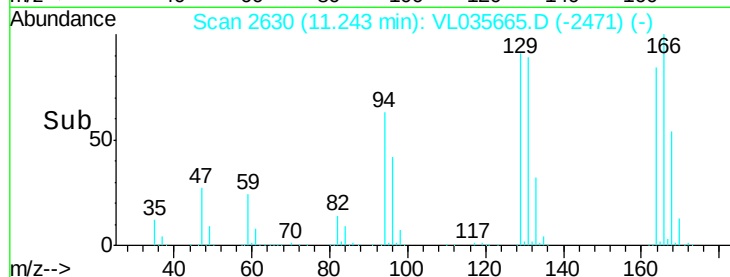
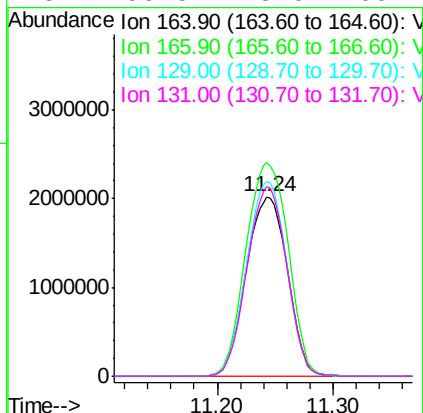
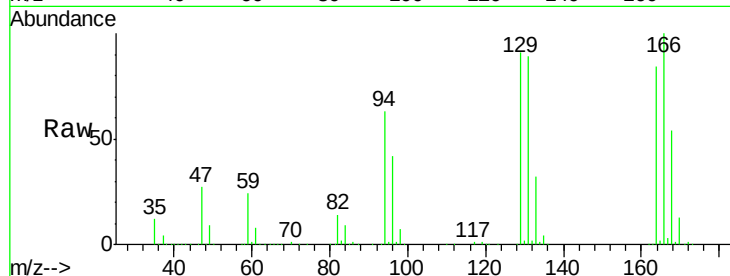
#52
Tetrachloroethene
Concen: 29.724 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Instrument :
MSVOA_L
ClientSampled :
SV-7DL2

Tot Ion	Ratio	Lower	Upper
164	100		
166	119.1	100.9	151.3
129	108.8	75.3	112.9
131	105.5	73.0	109.4

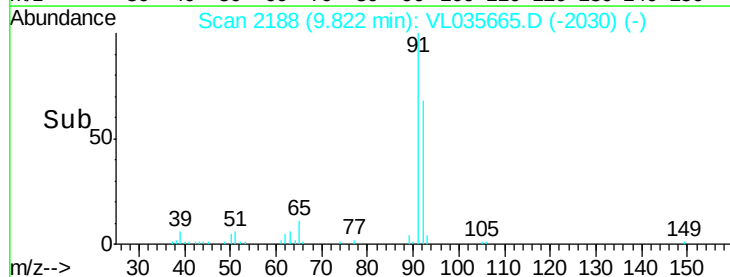
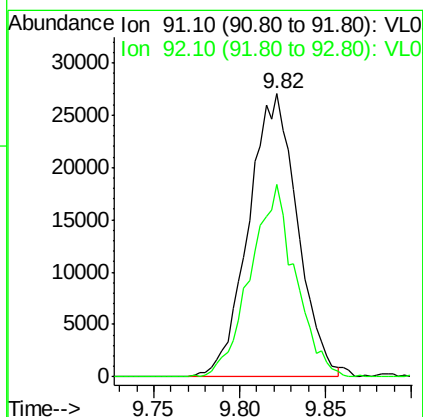
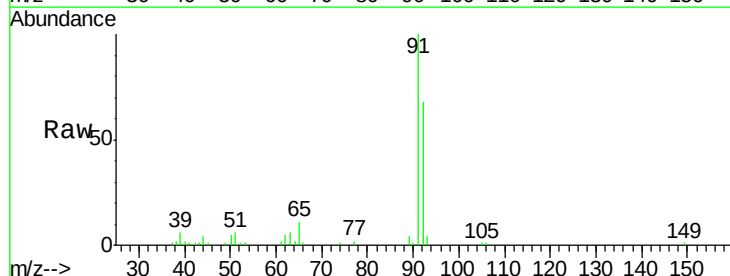
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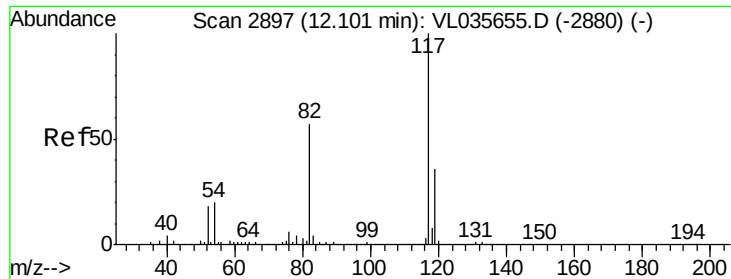
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#53
Toluene
Concen: 0.147 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.5	49.8	74.8





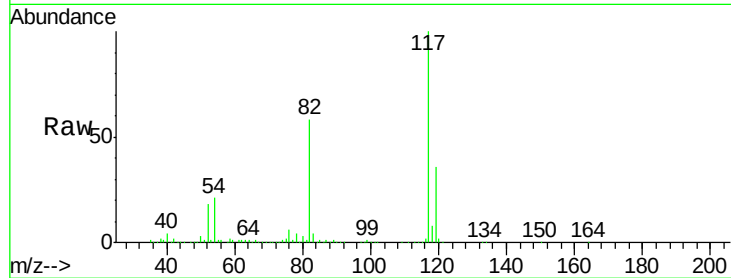
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Instrument :
MSVOA_L
ClientSampleId :
SV-7DL2

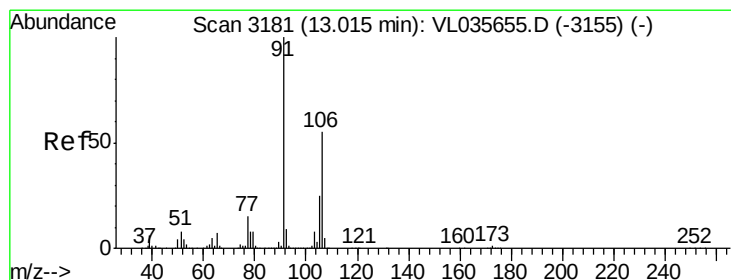
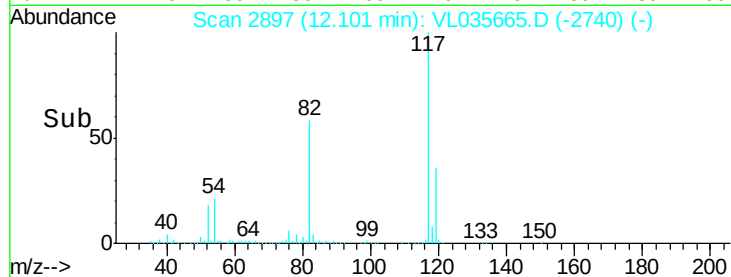
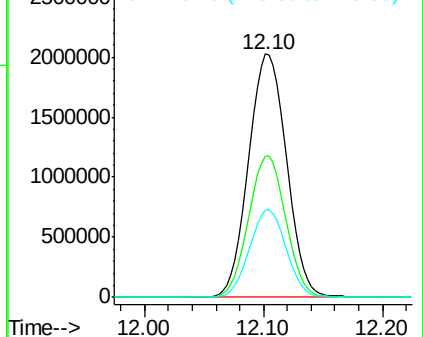
Tot Ion:117 Resp: 4488352
Ion Ratio Lower Upper
117 100
82 57.3 41.6 62.4
119 34.8 29.3 43.9

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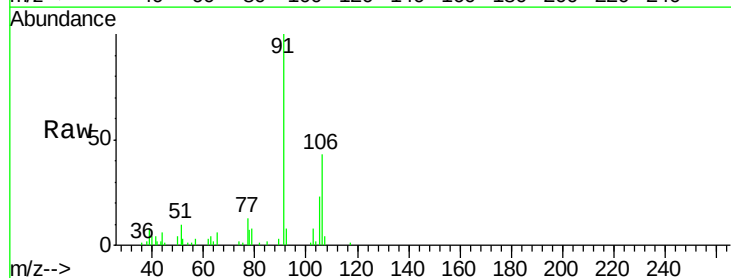


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

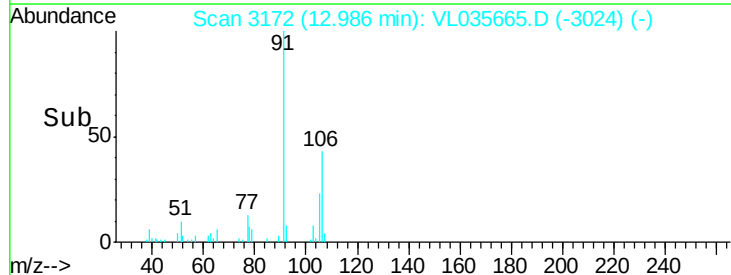
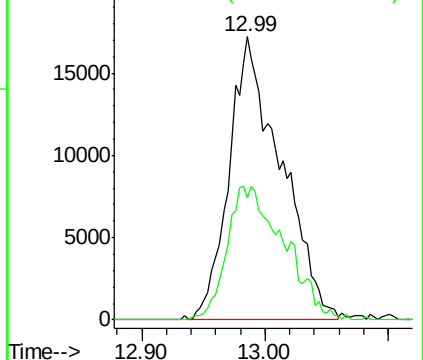


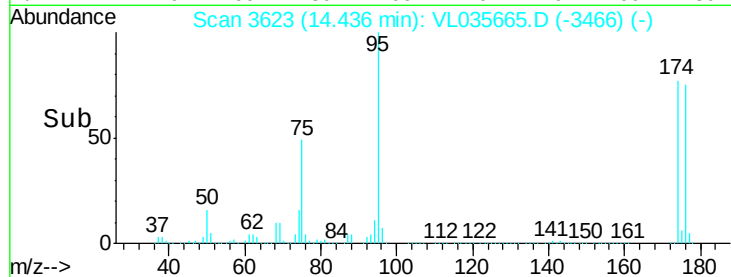
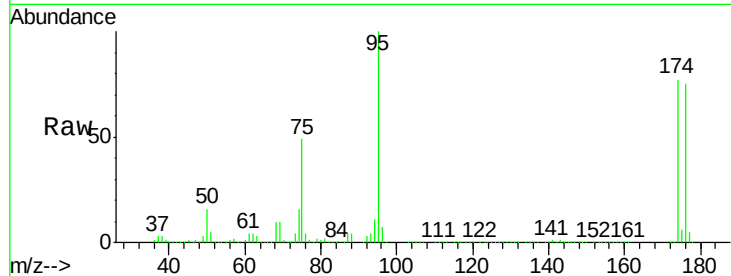
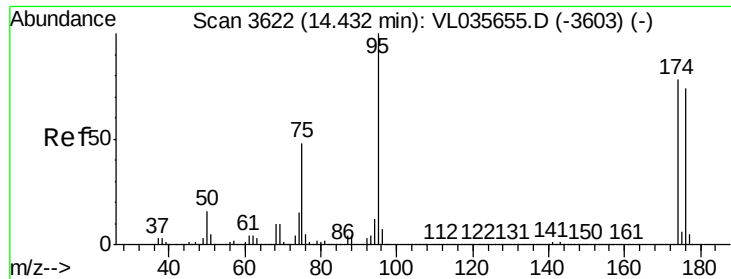
#59
m/p-Xylene
Concen: 0.130 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL035665.D
Acq: 17 Sep 2020 20:41

Tgt Ion: 91 Resp: 50383
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.362 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035665.D

Acq: 17 Sep 2020 20:41

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL2

Tot Ion: 95 Resp: 3302845

Ion Ratio Lower Upper

95 100

174 78.1 69.6 104.4

175 5.6 5.1 7.7

Manual Integrations

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