

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035604.D
 Acq On : 14 Sep 2020 18:30
 Operator : SY/AP
 Sample : L3983-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Manual Integrations
 APPROVED

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 9/17/2020 5:40:19 PM

Quant Time: Sep 15 16:55:14 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	1125744	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4716716	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4746144	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.42	95	3576657	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	18706	0.390	ppbv	97
10) Heptane	8.12	43	14195	0.110	ppbv	92
13) Ethanol	3.61	45	17082m	1.435	ppbv	
15) Acetone	3.83	43	2971790	23.935	ppbv	94
34) 2-Butanone	5.24	43	271566	1.940	ppbv	100
38) Trichloroethene	7.83	130	273890	1.544	ppbv	98
51) 2-Hexanone	10.15	43	70410	0.423	ppbv #	98
52) Tetrachloroethene	11.24	164	8365660m	46.902	ppbv	
53) Toluene	9.81	91	269703	0.702	ppbv	95
58) Ethyl Benzene	12.72	91	83435m	0.170	ppbv	
59) m/p-Xylene	12.98	91	263859	0.645	ppbv	96
60) o-Xylene	13.70	91	94638	0.230	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	117372m	0.221	ppbv	

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

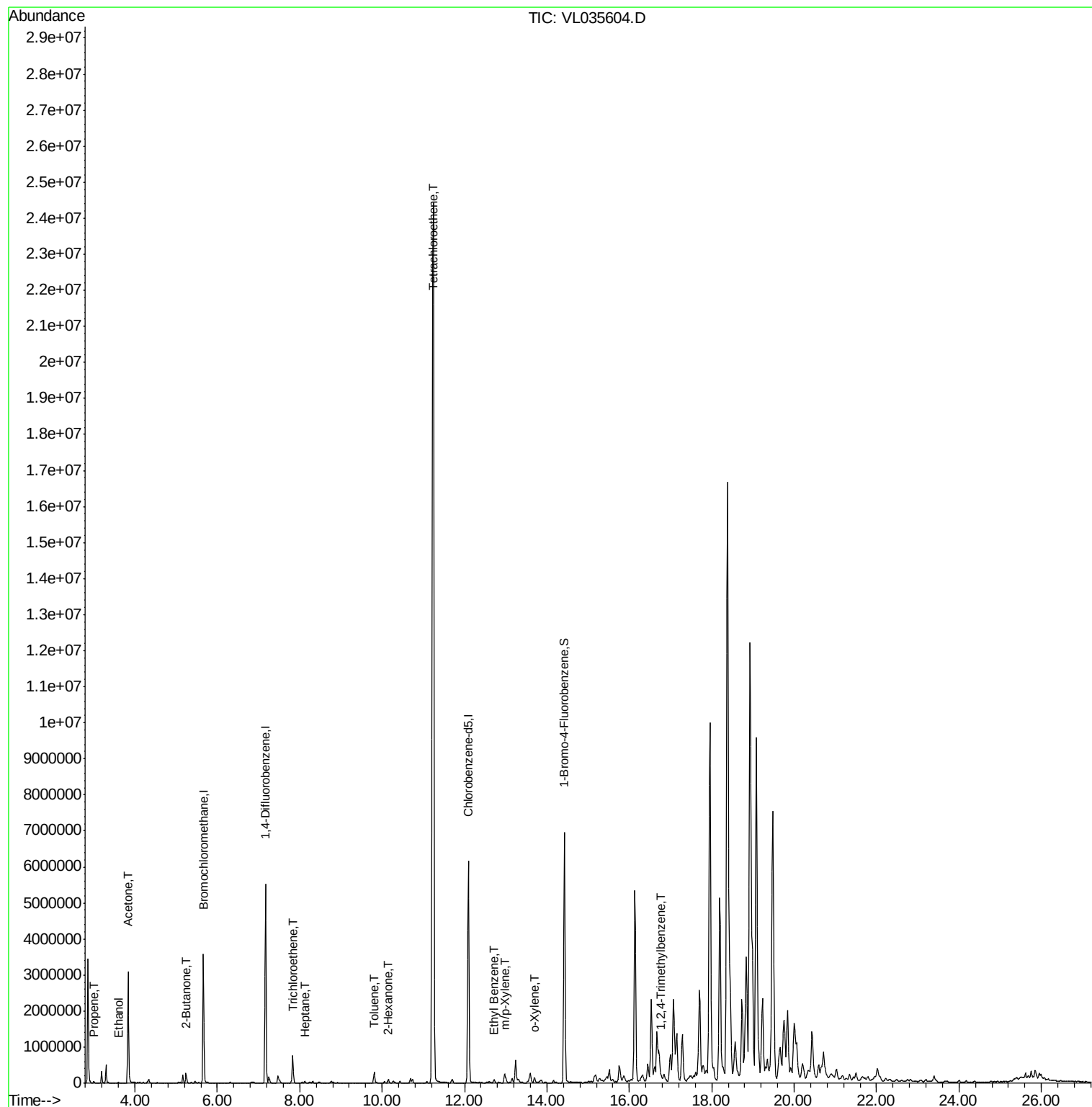
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035604.D
Acq On : 14 Sep 2020 18:30
Operator : SY/AP
Sample : L3983-02DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

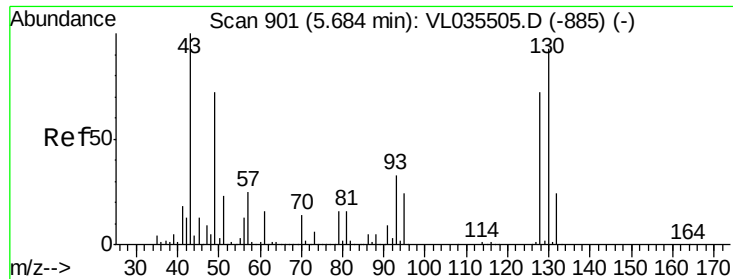
Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

Manual Integrations
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Quant Time: Sep 15 16:55:14 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: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

Instrument :

MSVOA_L

ClientSampled :

SV-7DL

Tot Ion: 49 Resp: 1125744

Ion Ratio Lower Upper

49 100

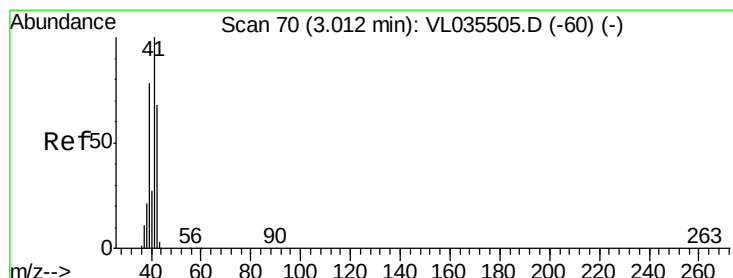
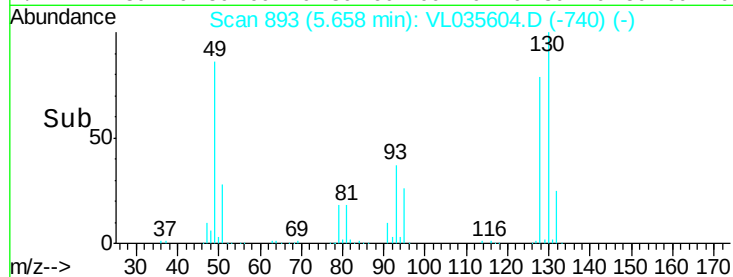
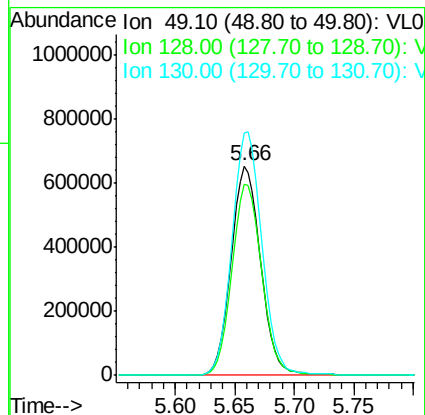
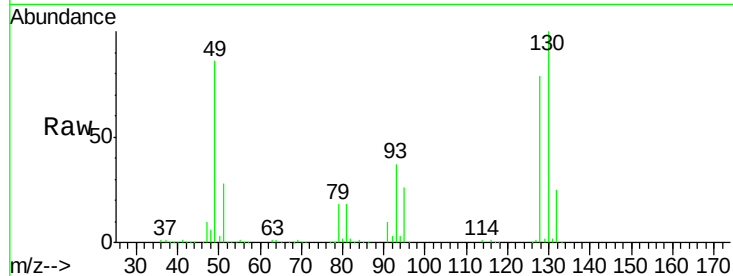
128 92.4 50.0 150.1

130 118.7 64.4 193.2

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#9

Propene

Concen: 0.390 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035604.D

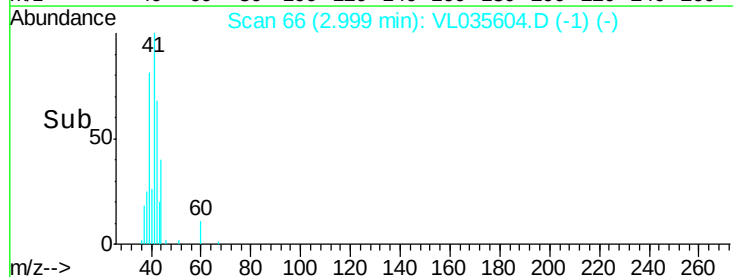
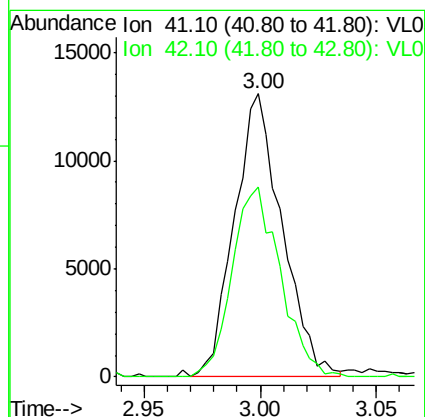
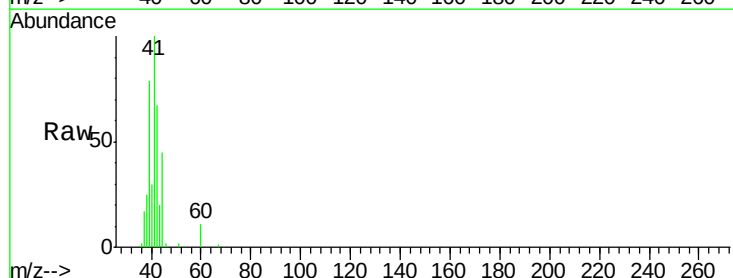
Acq: 14 Sep 2020 18:30

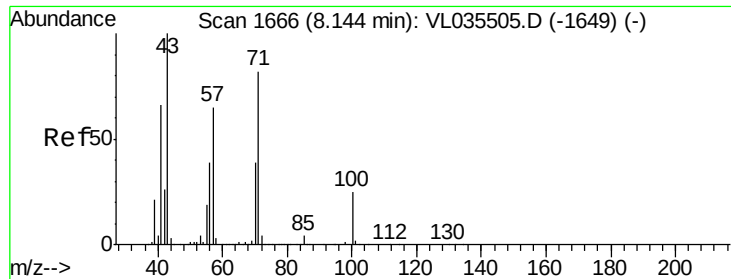
Tgt Ion: 41 Resp: 18706

Ion Ratio Lower Upper

41 100

42 67.7 56.3 84.5





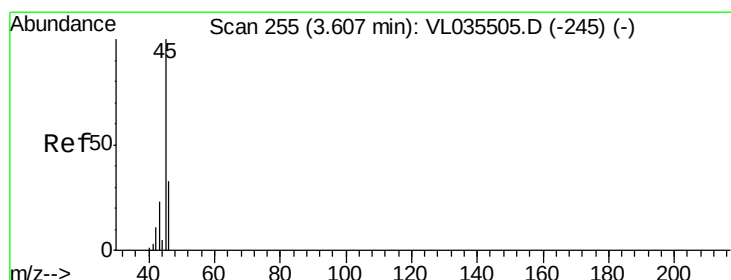
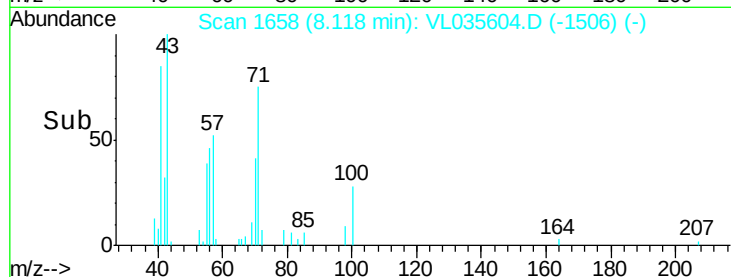
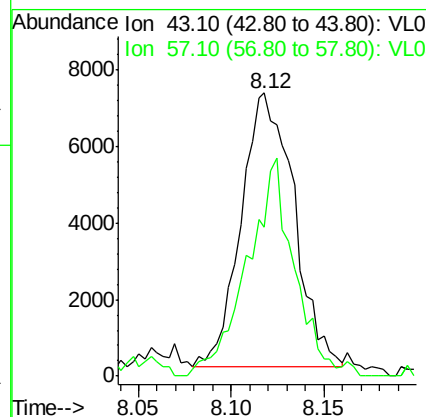
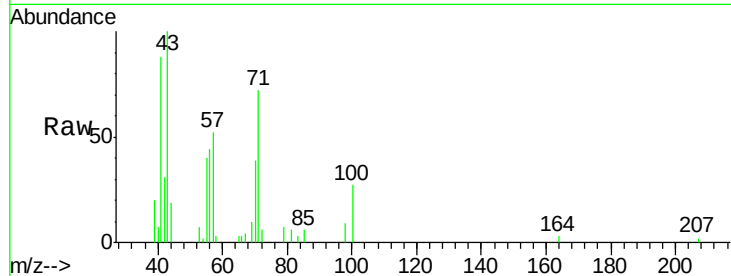
#10
Heptane
Concen: 0.110 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tot Ion: 43 Resp: 14195
Ion Ratio Lower Upper
43 100
57 70.6 51.4 77.0

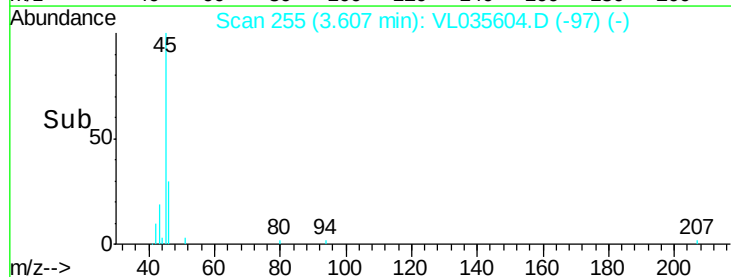
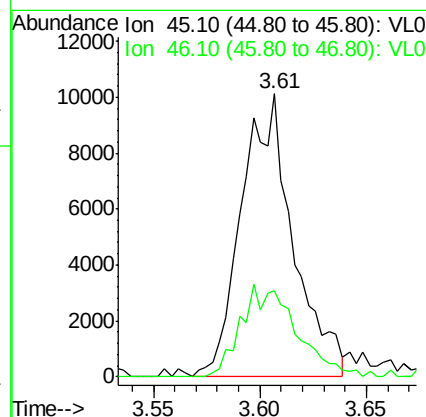
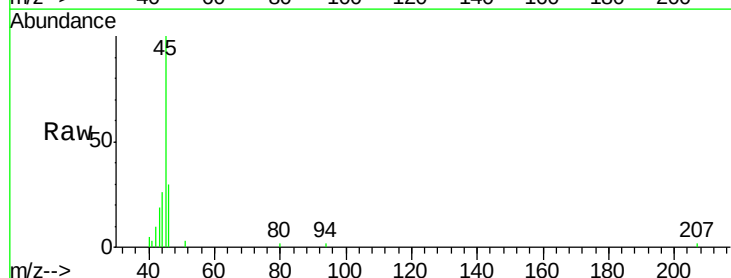
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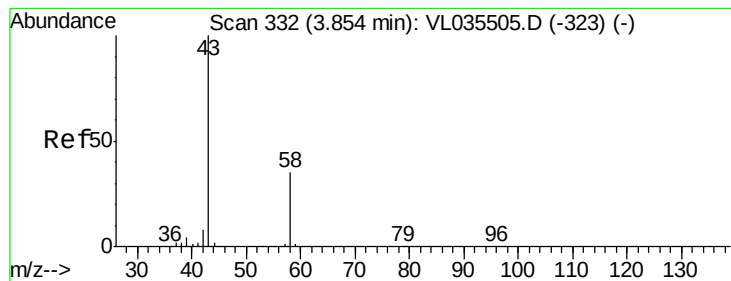
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#13
Ethanol
Concen: 1.435 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Tgt Ion: 45 Resp: 17082
Ion Ratio Lower Upper
45 100
46 35.5 15.2 60.6





#15

Acetone

Concen: 23.935 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

Tot Ion: 43 Resp: 2971790

Ion Ratio Lower Upper

43 100

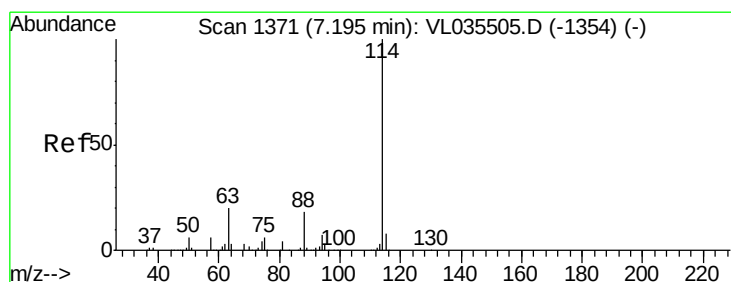
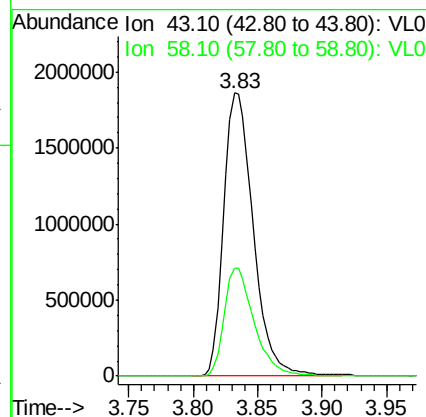
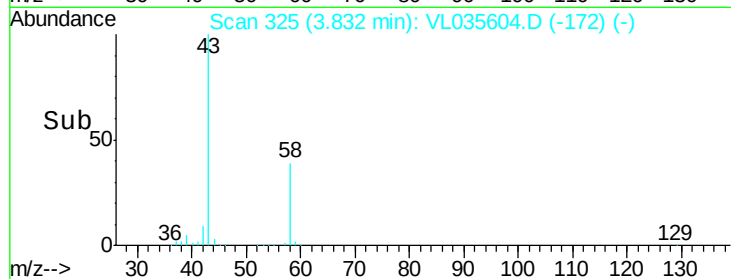
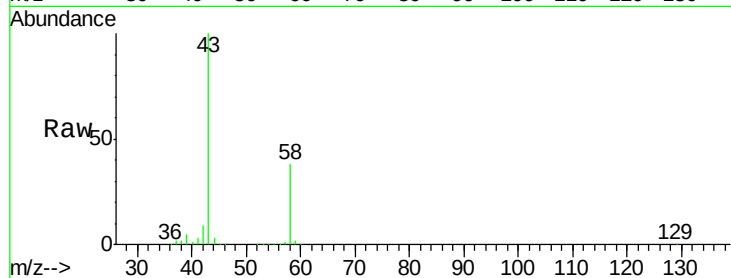
58 39.0 28.4 42.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

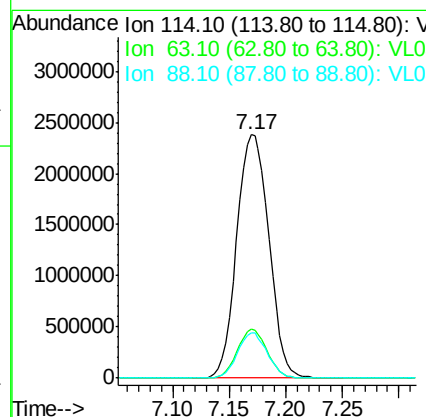
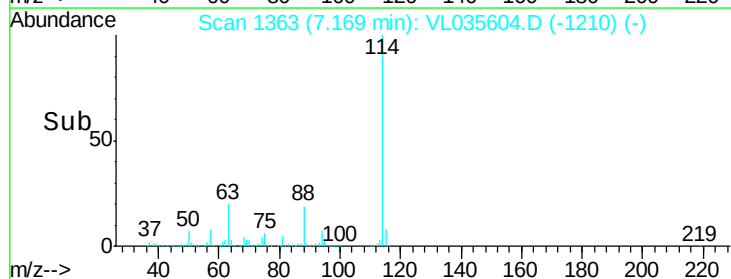
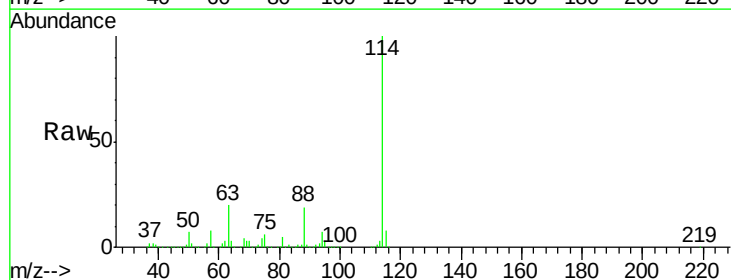
Tgt Ion: 114 Resp: 4716716

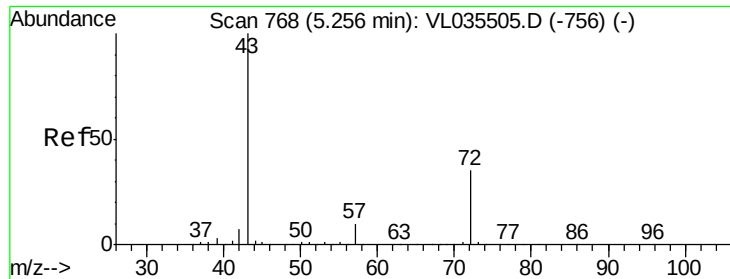
Ion Ratio Lower Upper

114 100

63 18.6 14.7 22.1

88 17.2 13.4 20.2





#34

2-Butanone

Concen: 1.940 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

Instrument :

MSVOA_L

ClientSampled :

SV-7DL

Tot Ion: 43 Resp: 271566

Ion Ratio Lower Upper

43 100

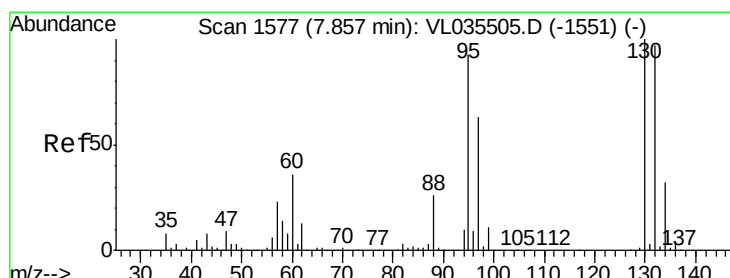
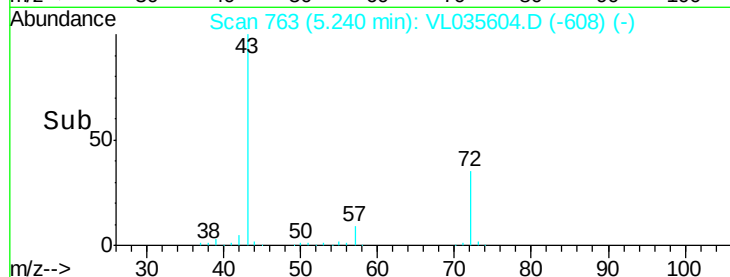
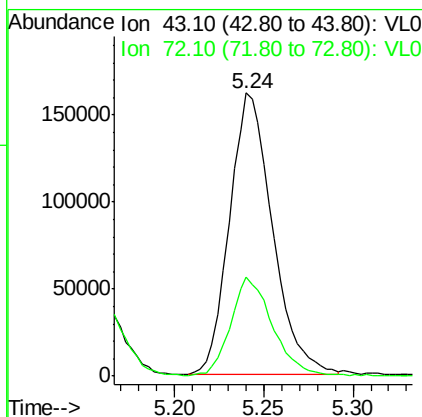
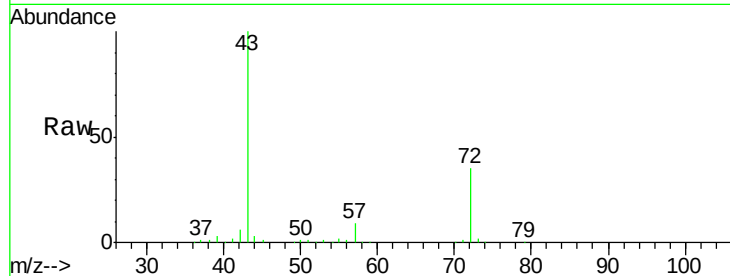
72 34.8 27.7 41.5

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#38

Trichloroethene

Concen: 1.544 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

Tgt Ion: 130 Resp: 273890

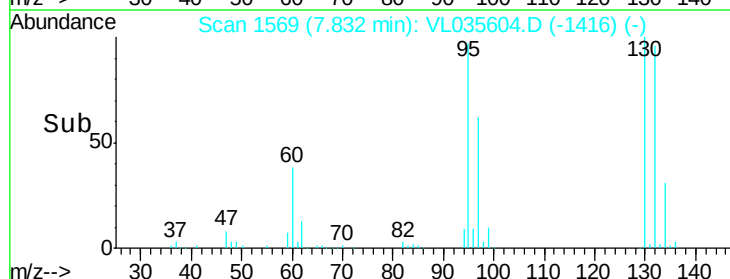
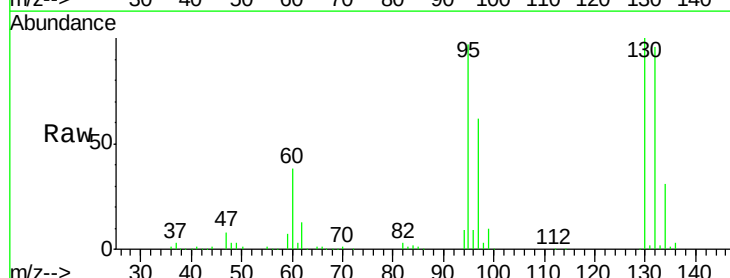
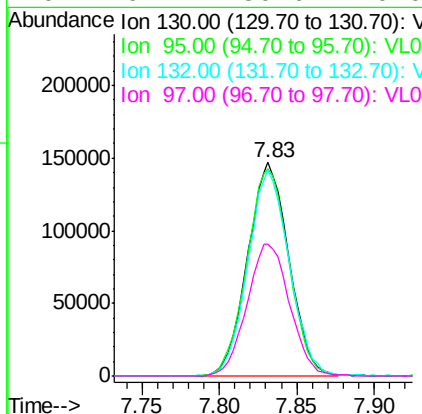
Ion Ratio Lower Upper

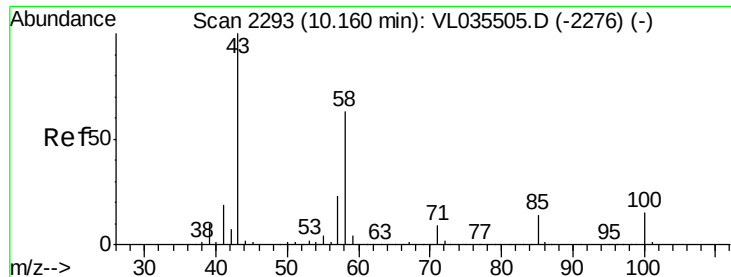
130 100

95 97.0 74.6 112.0

132 96.2 77.6 116.4

97 61.7 50.6 76.0





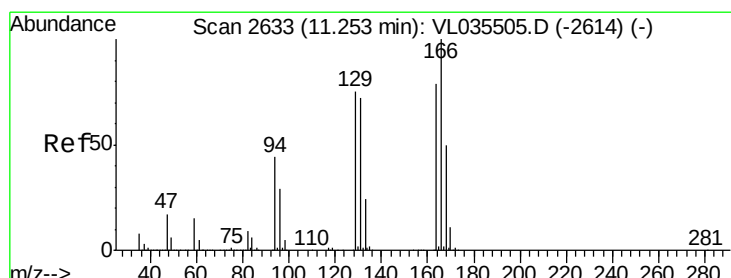
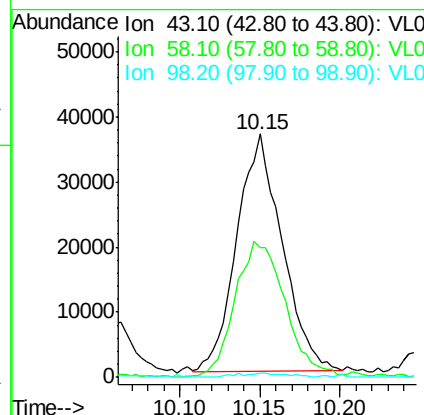
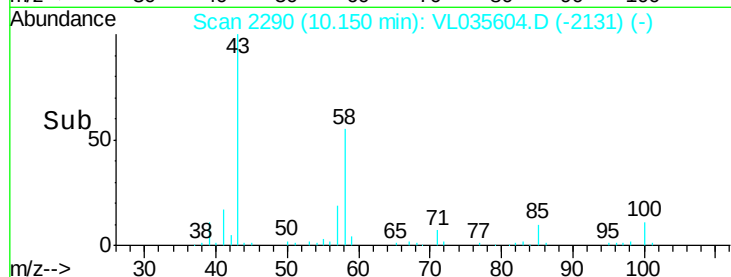
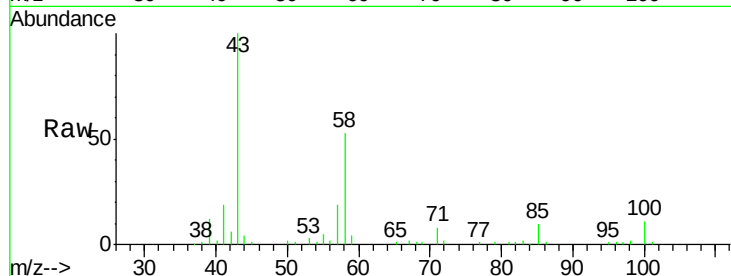
#51
2-Hexanone
Concen: 0.423 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	64.5	50.2	75.4
98	2.3	0.4	0.6

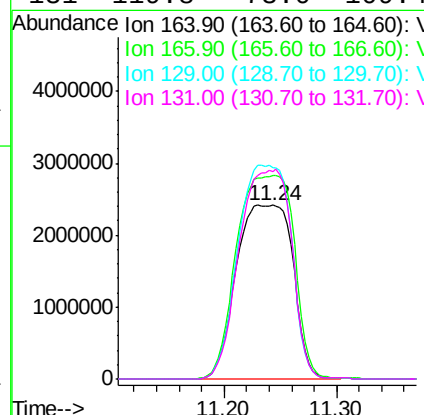
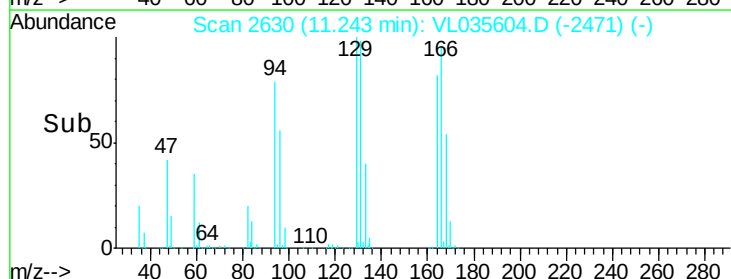
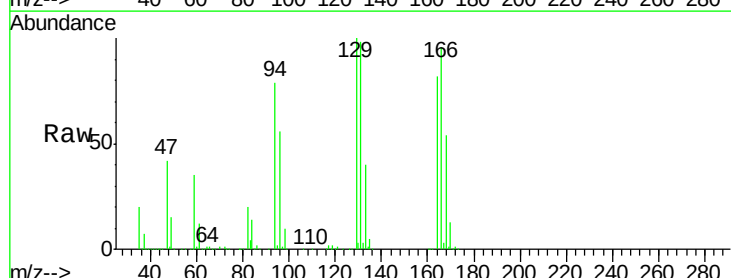
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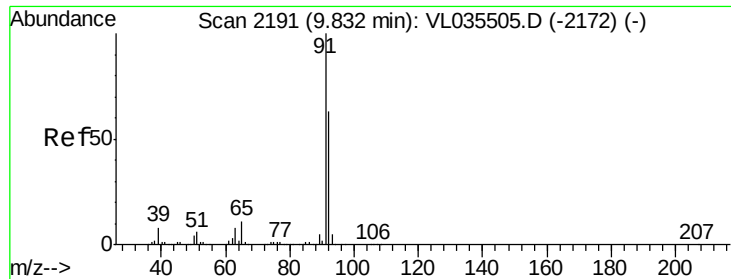
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#52
Tetrachloroethene
Concen: 46.902 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.1	100.9	151.3
129	121.8	75.3	112.9
131	119.8	73.0	109.4





#53

Toluene

Concen: 0.702 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

Tot Ion: 91 Resp: 269703

Ion Ratio Lower Upper

91 100

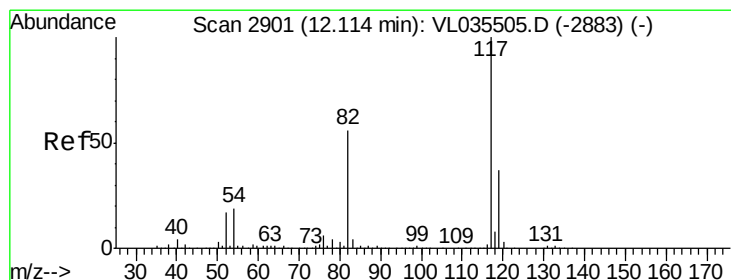
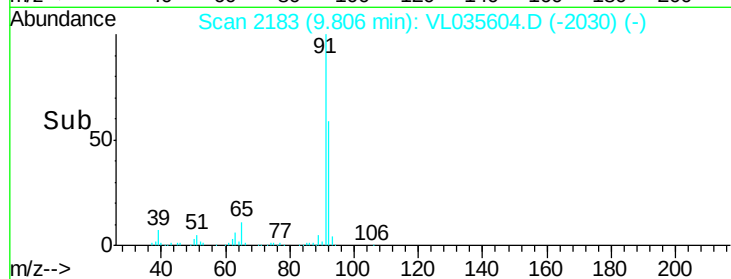
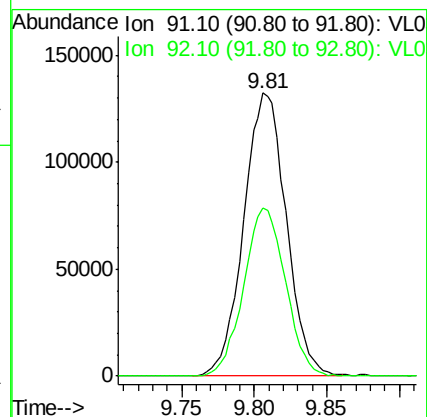
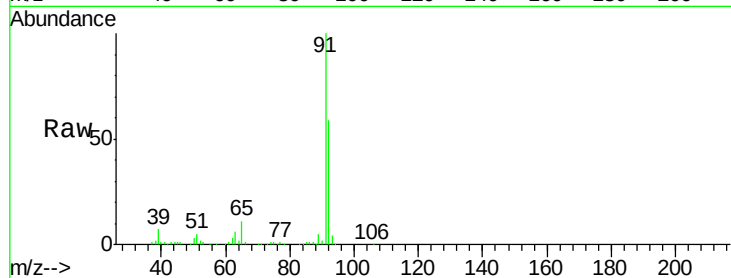
92 58.7 49.8 74.8

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL035604.D

Acq: 14 Sep 2020 18:30

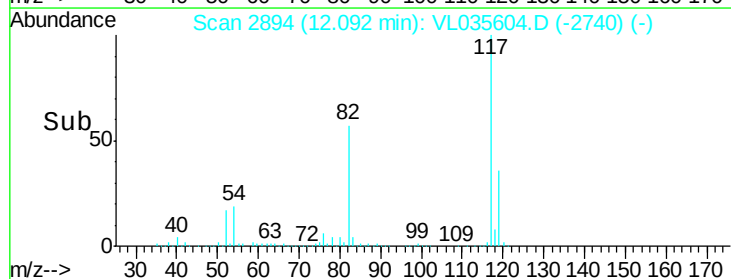
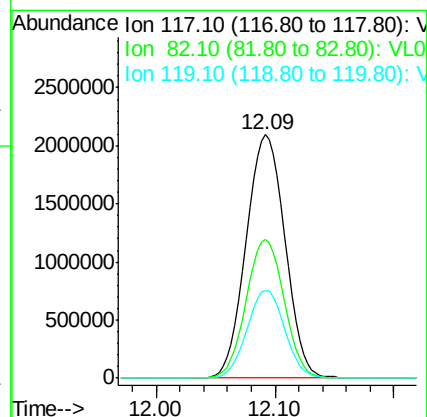
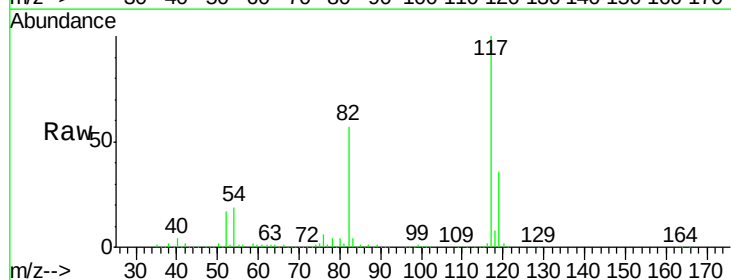
Tgt Ion: 117 Resp: 4746144

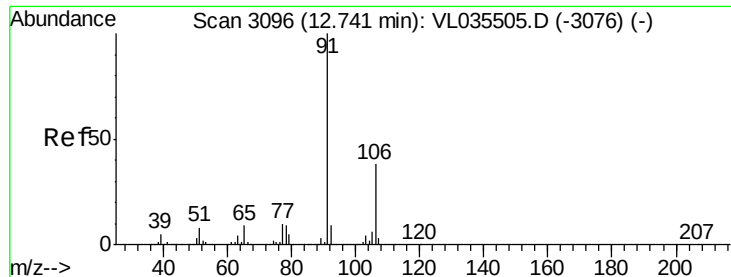
Ion Ratio Lower Upper

117 100

82 56.0 41.6 62.4

119 35.1 29.3 43.9





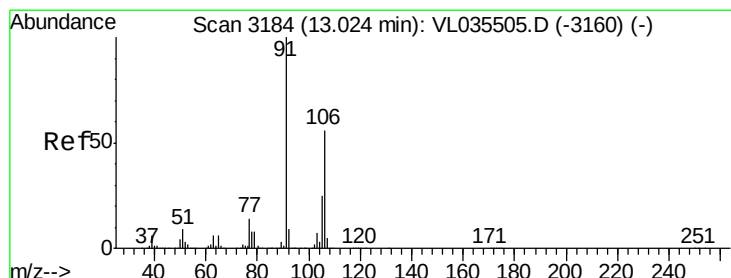
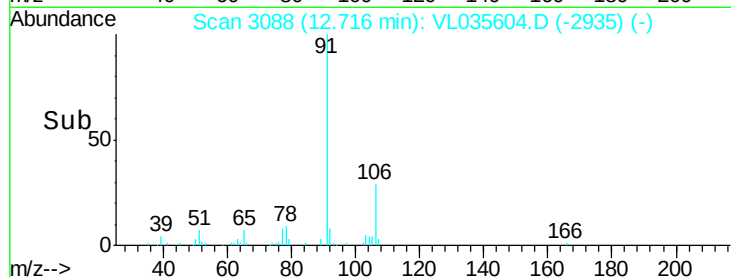
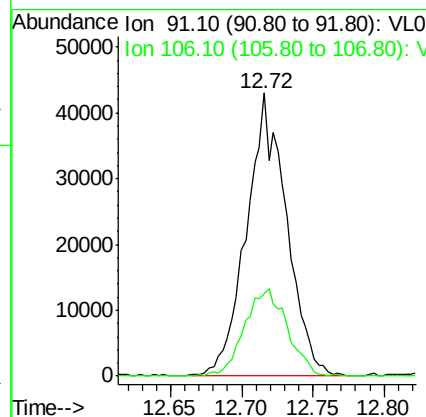
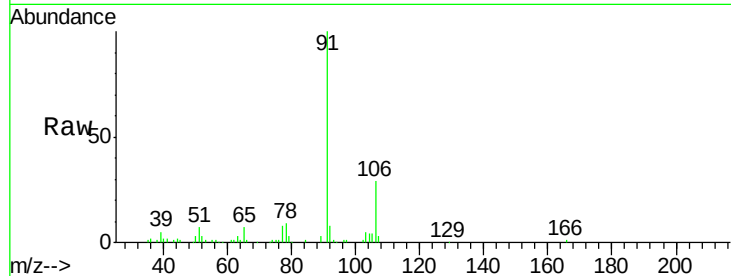
#58
Ethyl Benzene
Concen: 0.170 ppbv m
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Instrument :
MSVOA_L
ClientSampleId :
SV-7DL

Tot Ion: 91 Resp: 83435
Ion Ratio Lower Upper
91 100
106 29.2 30.3 45.5#

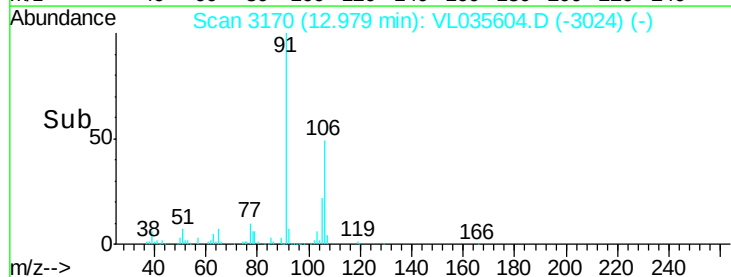
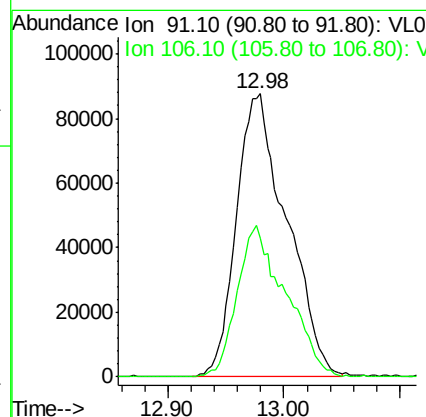
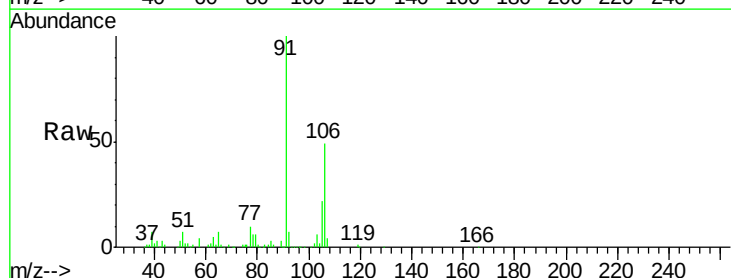
Manual Integrations
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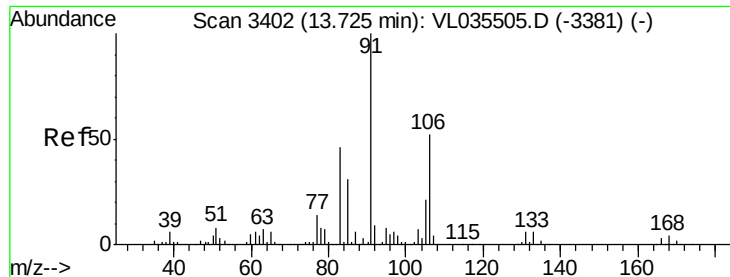
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#59
m/p-Xylene
Concen: 0.645 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Tgt Ion: 91 Resp: 263859
Ion Ratio Lower Upper
91 100
106 51.4 43.4 65.2





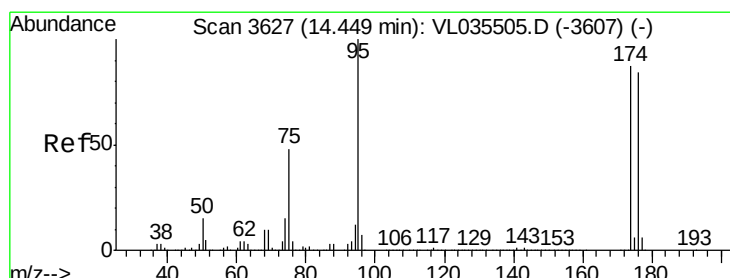
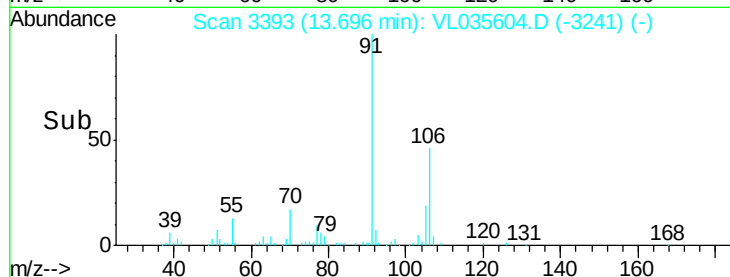
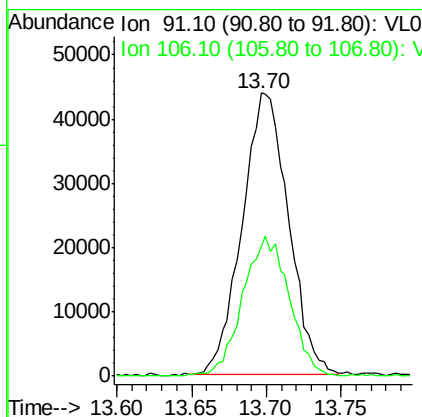
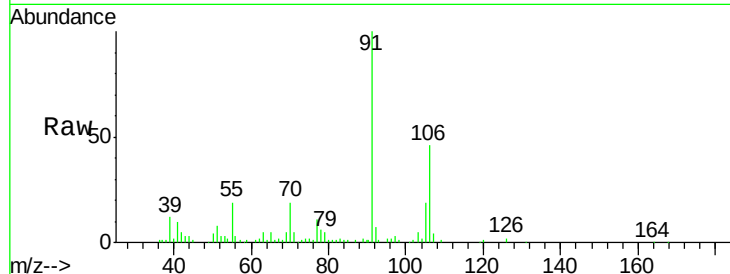
#60
o-Xylene
Concen: 0.230 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Instrument :
MSVOA_L
ClientSampled :
SV-7DL

Tot Ion: 91 Resp: 94638
Ion Ratio Lower Upper
91 100
106 49.7 25.8 77.4

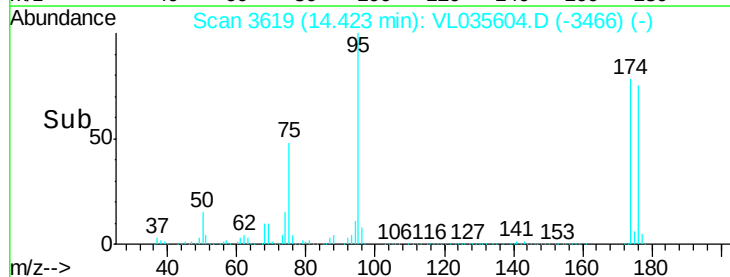
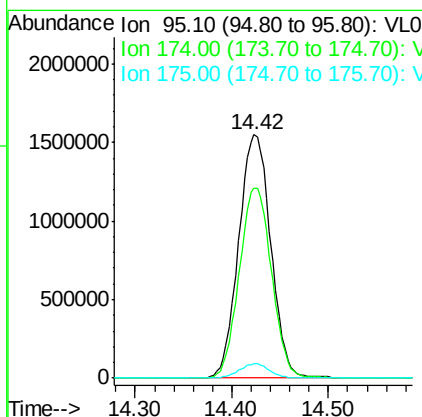
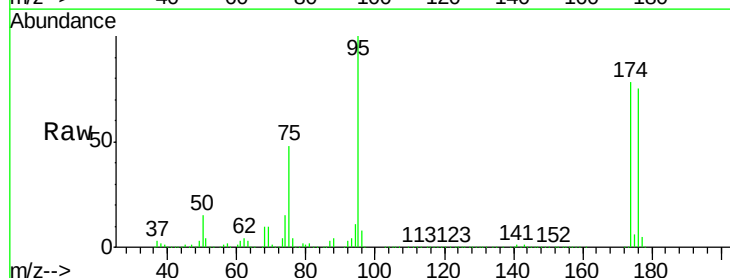
Manual Integrations
APPROVED

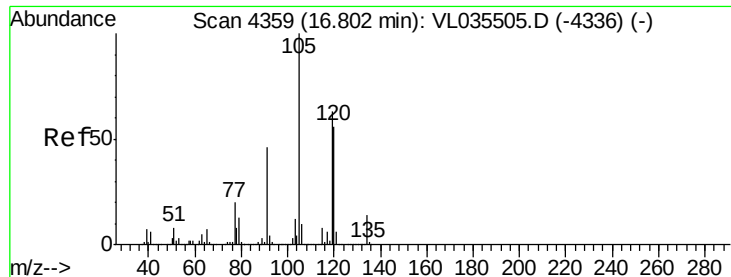
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.612 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035604.D
Acq: 14 Sep 2020 18:30

Tgt Ion: 95 Resp: 3576657
Ion Ratio Lower Upper
95 100
174 79.1 69.6 104.4
175 5.7 5.1 7.7





#74
 1,2,4-Trimethylbenzene
 Concen: 0.221 ppbv m
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL035604.D
 Acq: 14 Sep 2020 18:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	45.6	44.4	66.6
91	10.6	37.1	55.7#
77	15.0	16.0	24.0#

Manual Integrations
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