

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035778.D
 Acq On : 13 Oct 2020 1:29
 Operator : SY/AP
 Sample : L4347-01DL 20X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

Manual Integrations
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 10/14/2020 2:12:08 PM

Quant Time: Oct 13 22:56:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	988525	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	3675191	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3675255	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2800254	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	37477	0.971	ppbv	90
10) Heptane	8.13	43	13719	0.127	ppbv	99
13) Ethanol	3.62	45	5095464	535.114	ppbv	98
15) Acetone	3.85	43	854880m	8.037	ppbv	
17) tert-Butyl alcohol	4.31	59	63012	0.544	ppbv	97
19) Isopropyl Alcohol	3.99	45	79397	1.372	ppbv #	1
20) Methylene Chloride	4.34	84	122906	1.573	ppbv	97
26) Hexane	5.69	57	50401	0.481	ppbv #	63
32) 1,1,1-Trichloroethane	6.52	97	5820	0.031	ppbv	96
34) 2-Butanone	5.25	43	72769	0.599	ppbv	98
36) Benzene	6.89	78	28004	0.117	ppbv	97
52) Tetrachloroethene	11.23	164	4101m	0.036	ppbv	
53) Toluene	9.82	91	973163	3.446	ppbv	97
58) Ethyl Benzene	12.73	91	63693	0.173	ppbv #	86
59) m/p-Xylene	12.99	91	199082	0.618	ppbv	96
60) o-Xylene	13.71	91	96729	0.297	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	40861m	0.099	ppbv	

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

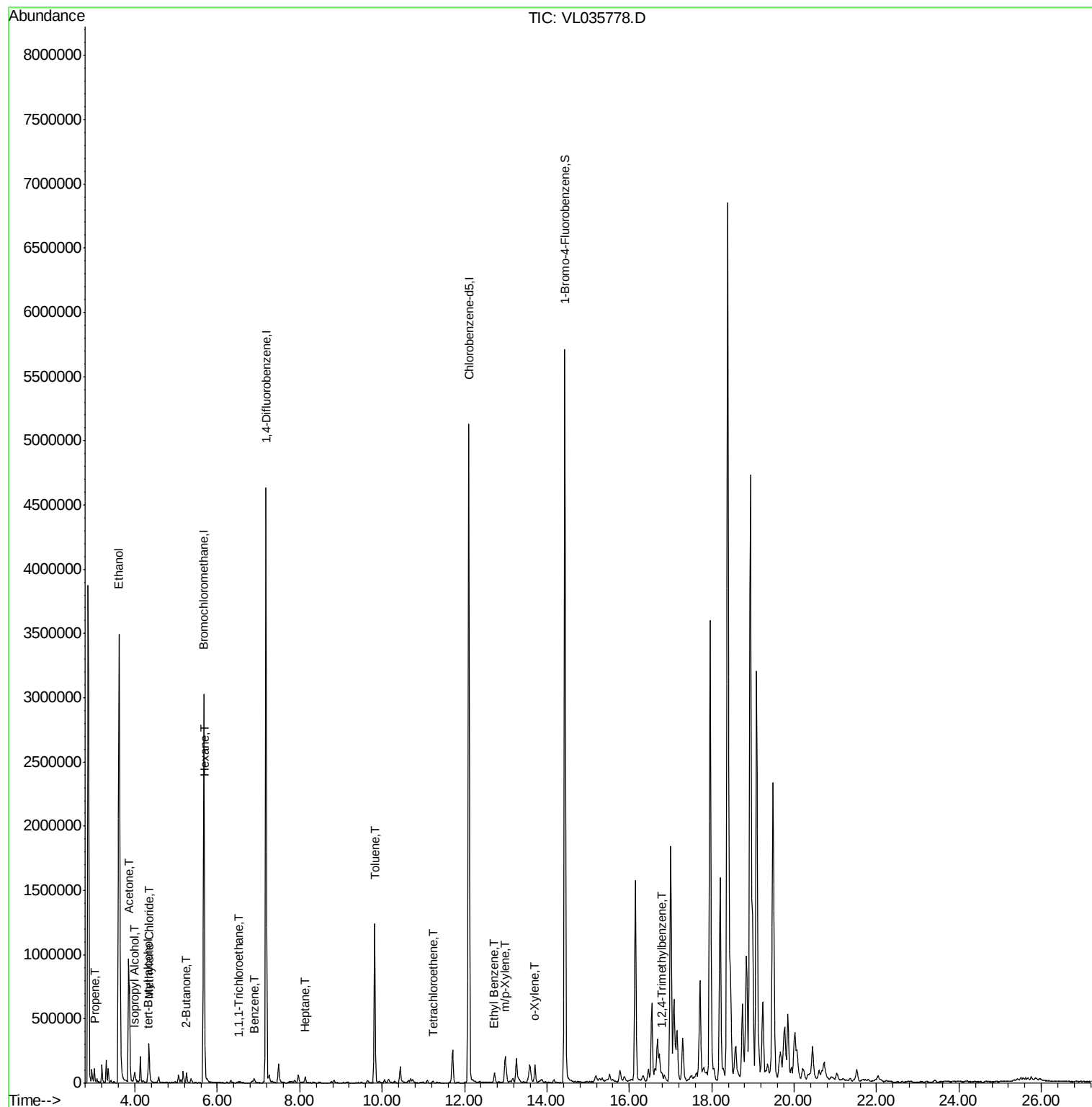
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
Data File : VL035778.D
Acq On : 13 Oct 2020 1:29
Operator : SY/AP
Sample : L4347-01DL 20X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

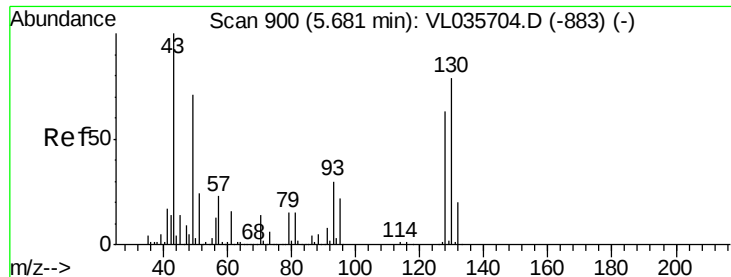
Instrument :
MSVOA_L
ClientSampleId :
1DL

Manual Integrations
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Quant Time: Oct 13 22:56:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





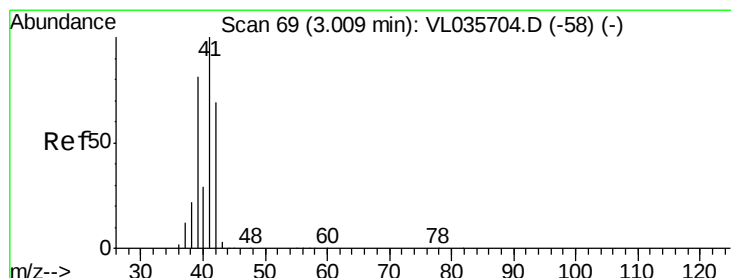
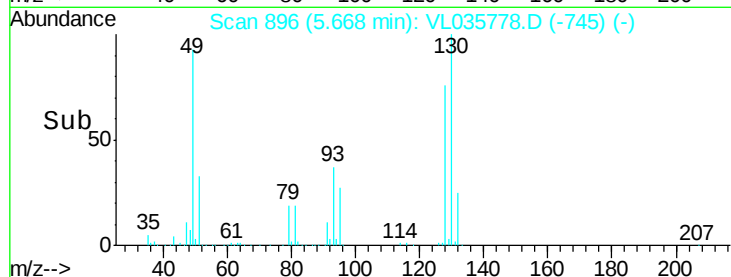
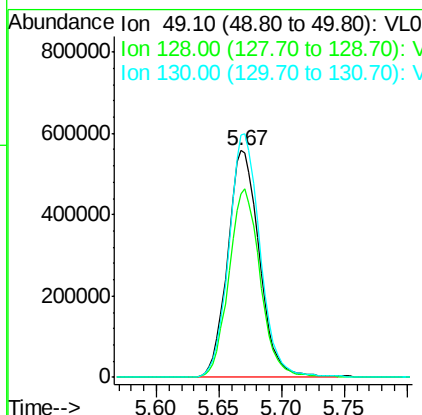
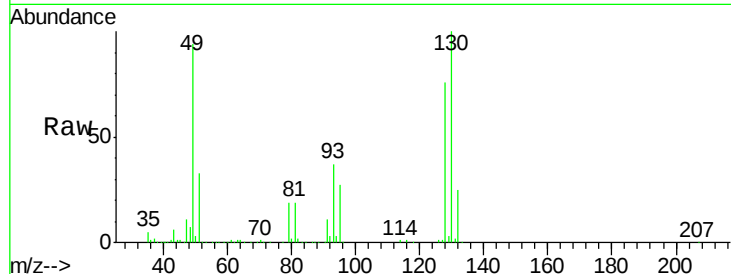
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampled :
1DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	82.1	43.1	129.4
130	105.6	54.9	164.7

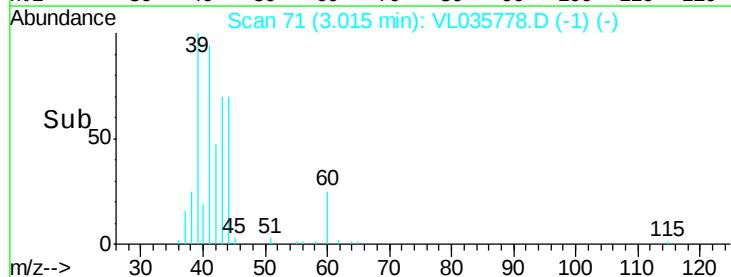
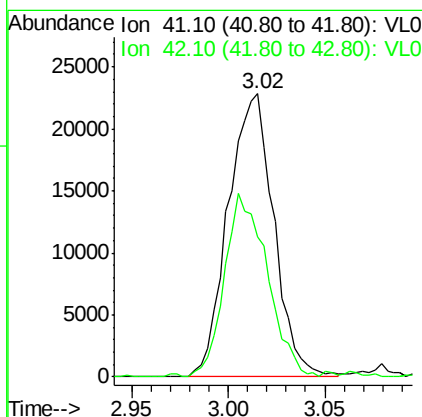
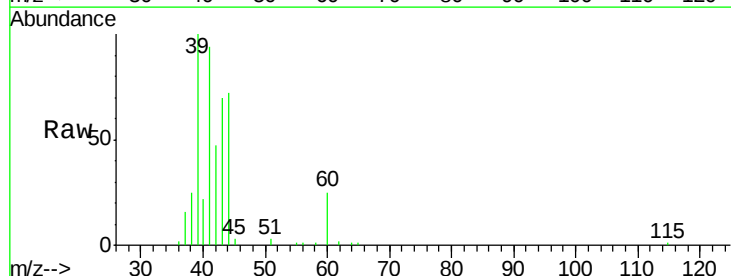
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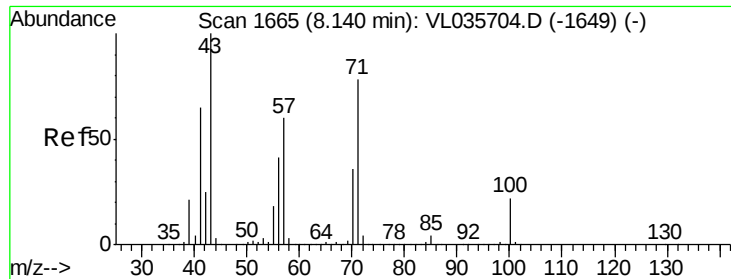
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#9
Propene
Concen: 0.971 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion	Ratio	Lower	Upper
41	100		
42	62.1	56.2	84.4





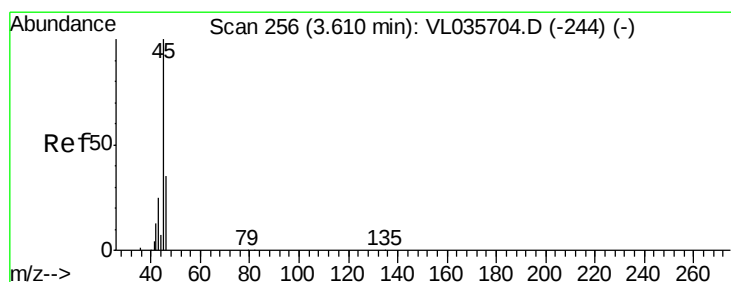
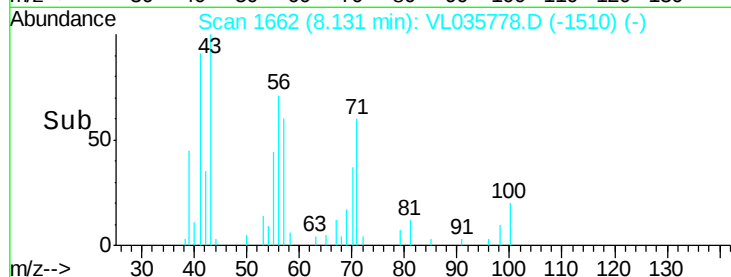
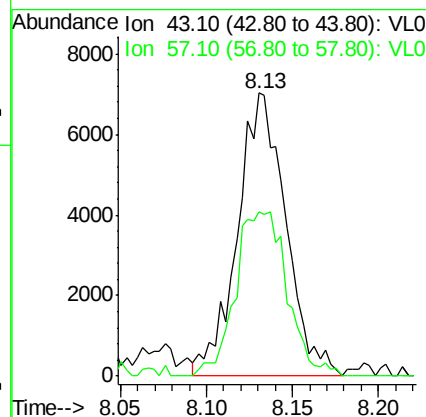
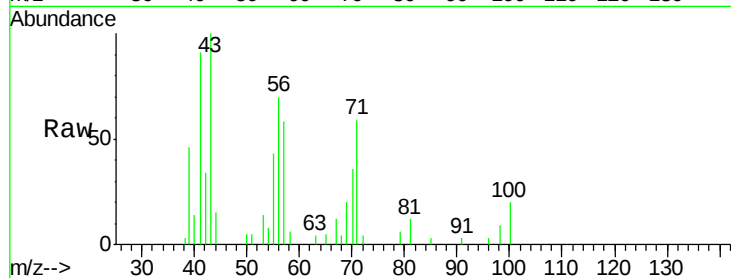
#10
Heptane
Concen: 0.127 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampled :
1DL

Tot Ion: 43 Resp: 13719
Ion Ratio Lower Upper
43 100
57 62.4 50.4 75.6

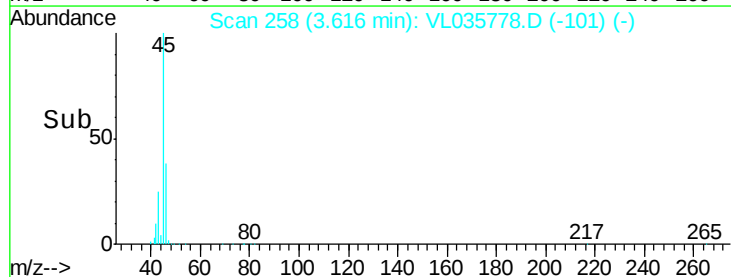
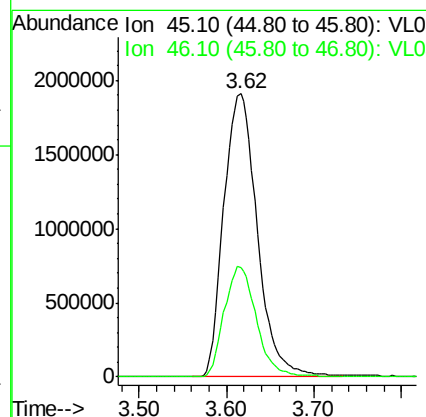
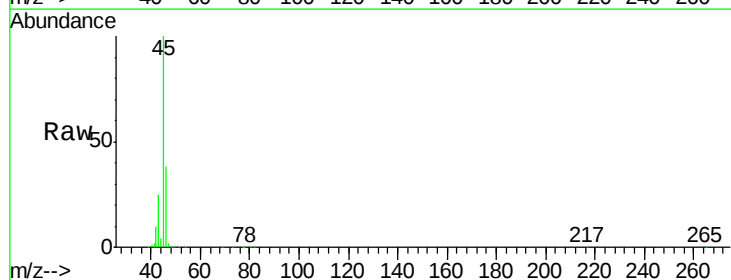
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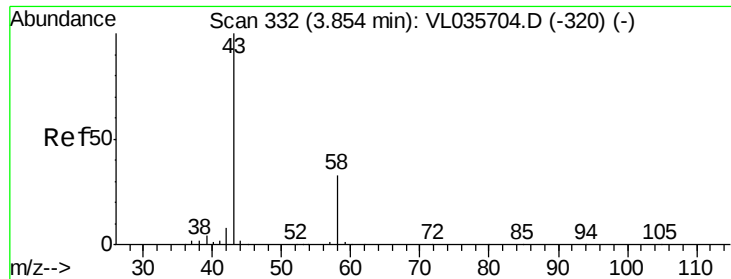
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#13
Ethanol
Concen: 535.114 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 45 Resp: 5095464
Ion Ratio Lower Upper
45 100
46 37.8 14.7 58.7





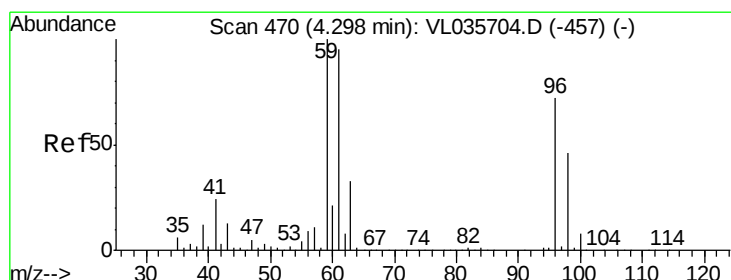
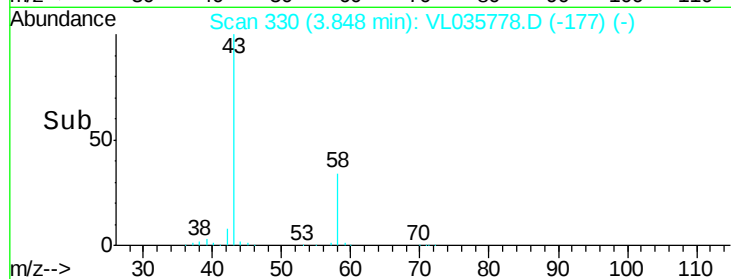
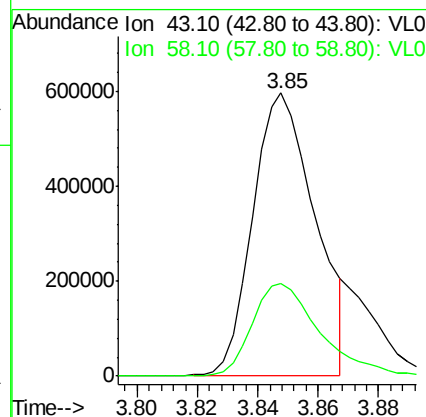
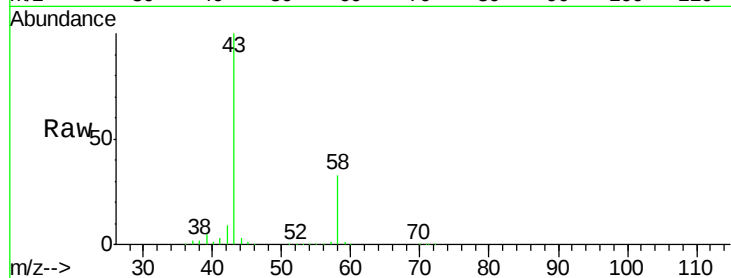
#15
Acetone
Concen: 8.037 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampled :
1DL

Tot Ion: 43 Resp: 854880
Ion Ratio Lower Upper
43 100
58 36.0 27.3 40.9

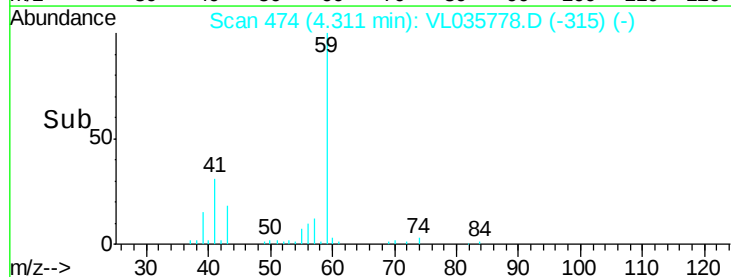
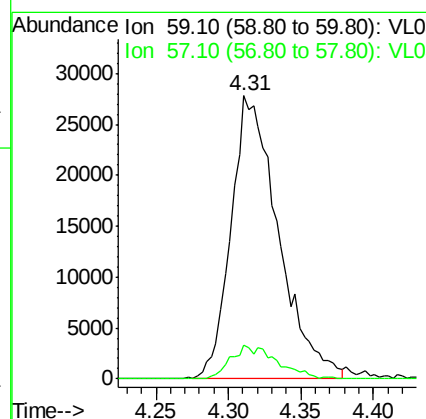
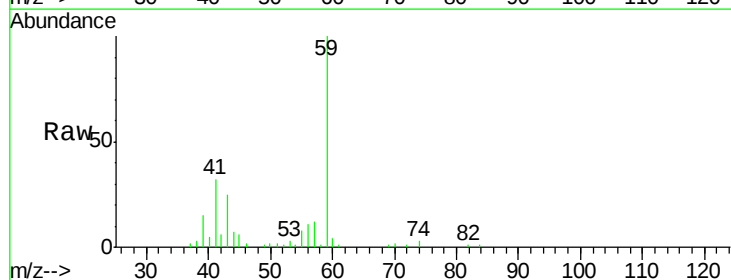
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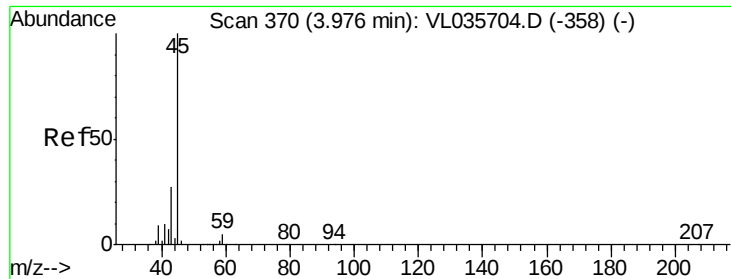
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#17
tert-Butyl alcohol
Concen: 0.544 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 59 Resp: 63012
Ion Ratio Lower Upper
59 100
57 11.6 8.5 12.7





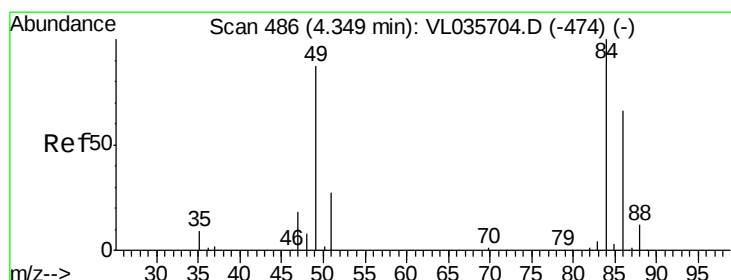
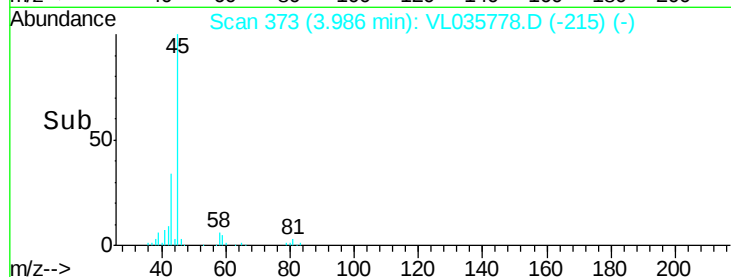
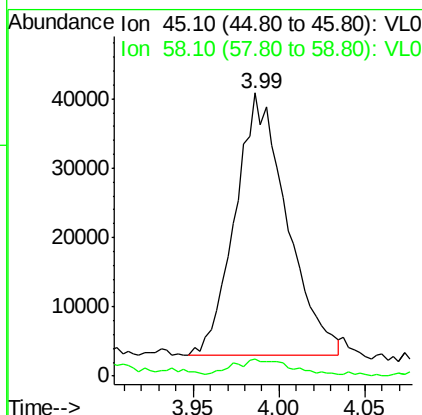
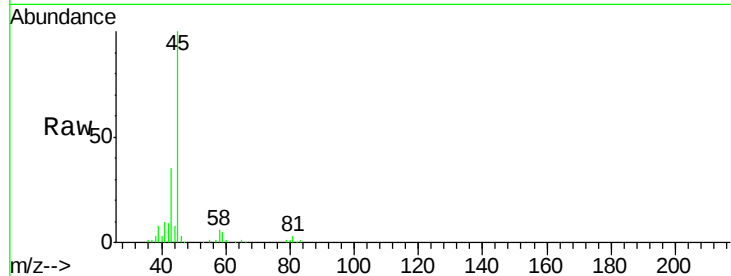
#19
Isopropyl Alcohol
Concen: 1.372 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tot Ion: 45 Resp: 79397
Ion Ratio Lower Upper
45 100
58 387.4 2.8 4.2#

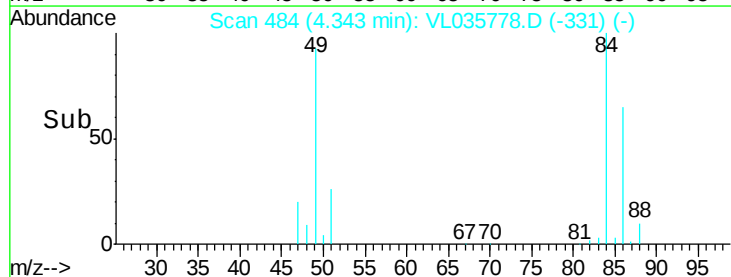
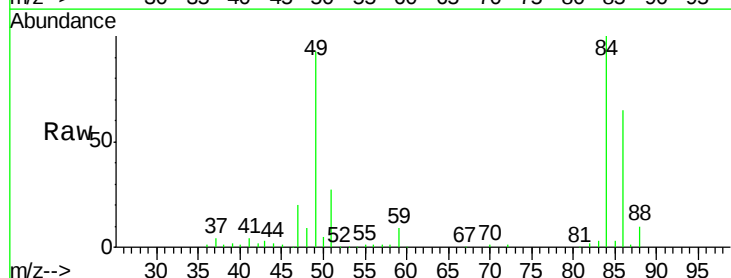
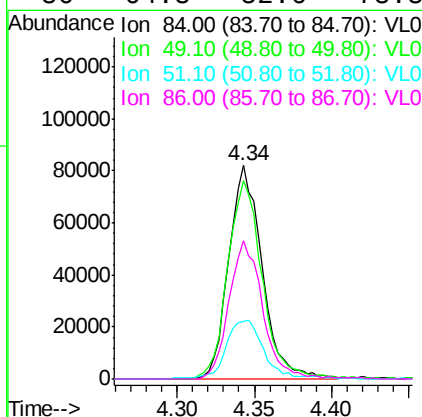
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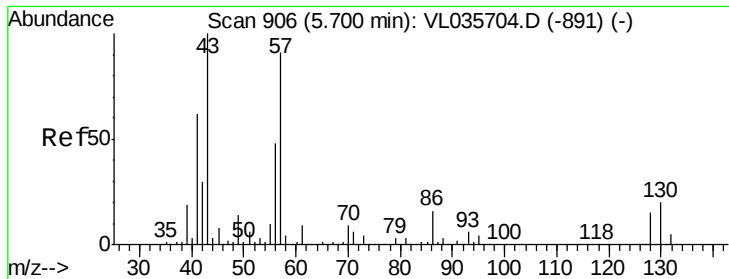
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#20
Methylene Chloride
Concen: 1.573 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 84 Resp: 122906
Ion Ratio Lower Upper
84 100
49 92.5 69.8 104.6
51 26.8 21.8 32.8
86 64.8 52.6 78.8





#26

Hexane

Concen: 0.481 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL035778.D

Acq: 13 Oct 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

1DL

Tot Ion: 57 Resp: 50401

Ion Ratio Lower Upper

57 100

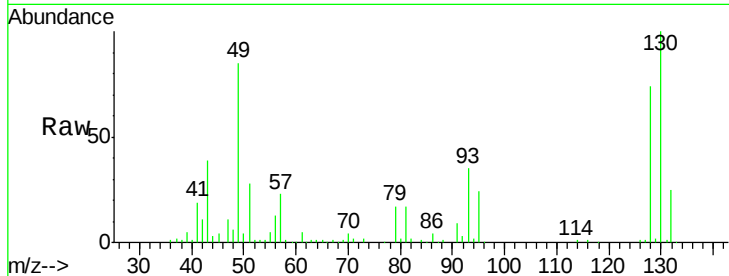
41 84.6 57.9 86.9

43 256.7 143.8 215.6#

56 59.9 43.0 64.6

Manual Integrations
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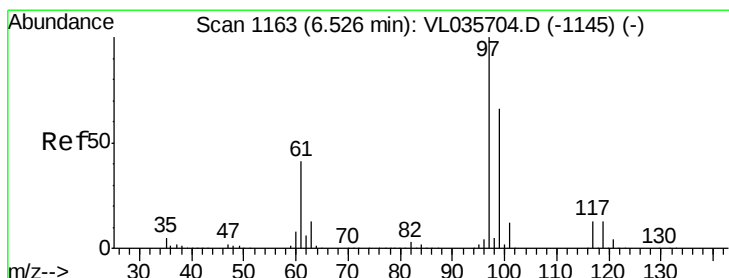
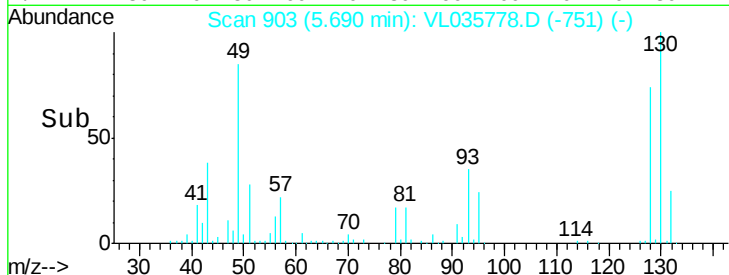
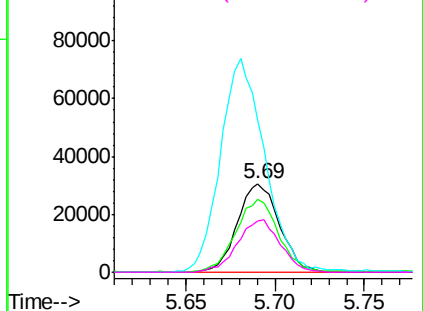


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#32

1,1,1-Trichloroethane

Concen: 0.031 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VL035778.D

Acq: 13 Oct 2020 1:29

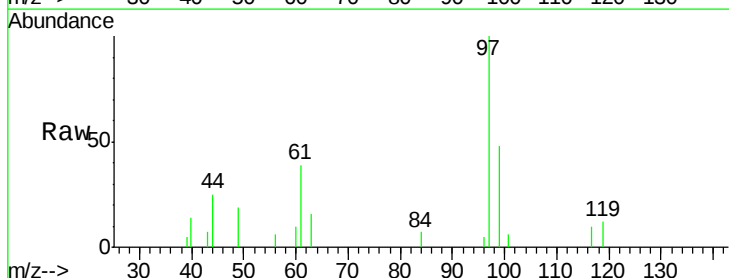
Tgt Ion: 97 Resp: 5820

Ion Ratio Lower Upper

97 100

99 61.8 52.7 79.1

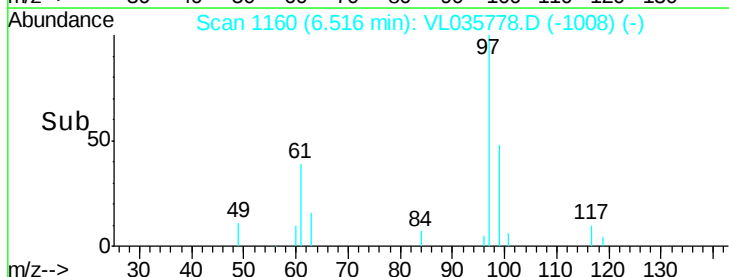
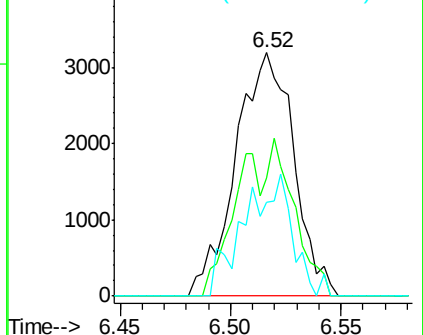
61 41.8 32.7 49.1

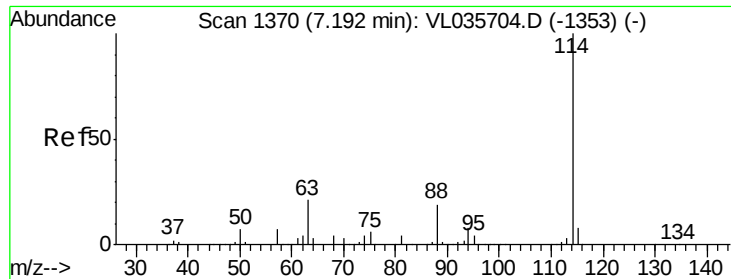


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





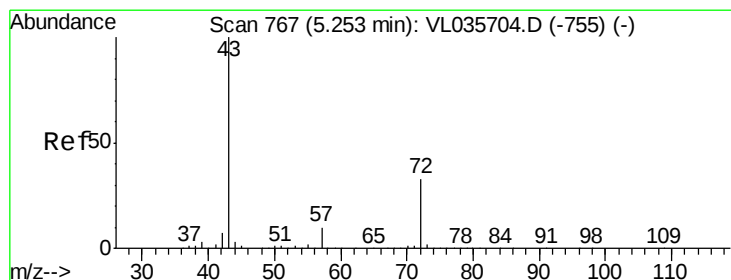
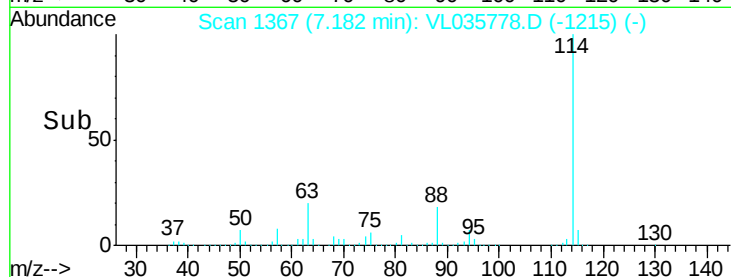
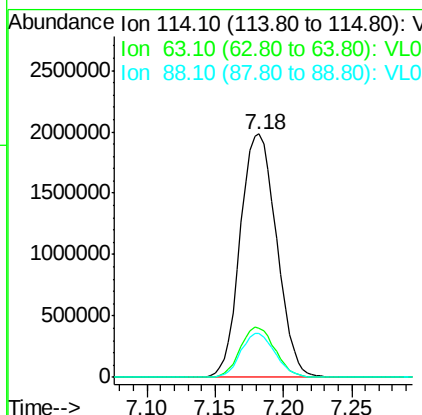
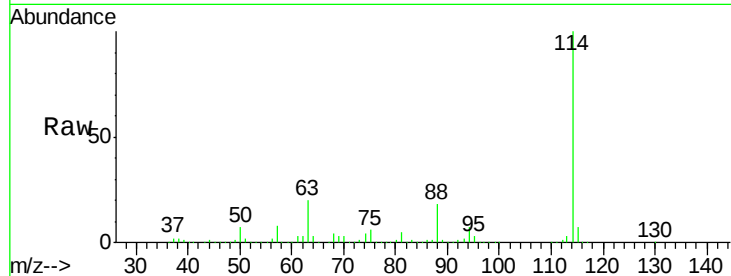
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035778.D
 Acq: 13 Oct 2020 1:29

Instrument :
 MSVOA_L
 ClientSampled :
 1DL

Tot Ion:114 Resp: 3675191
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.2 14.1 21.1

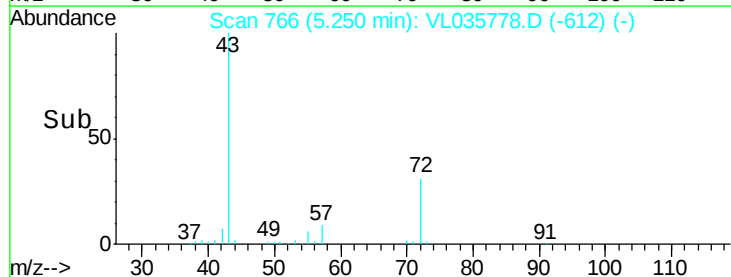
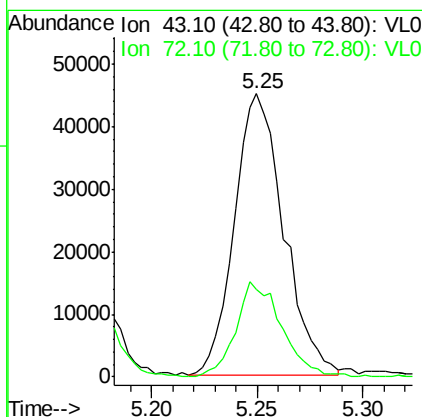
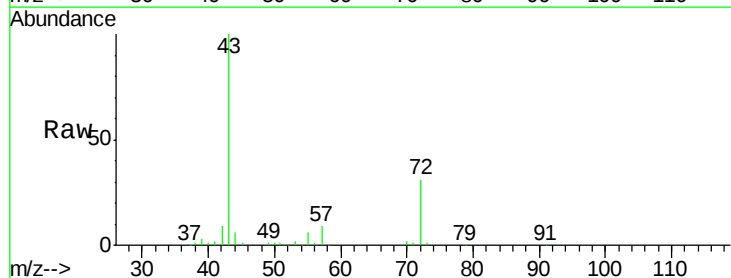
Manual Integrations
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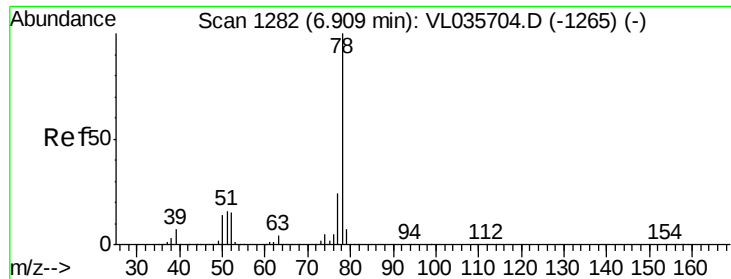
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#34
 2-Butanone
 Concen: 0.599 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035778.D
 Acq: 13 Oct 2020 1:29

Tgt Ion: 43 Resp: 72769
 Ion Ratio Lower Upper
 43 100
 72 31.5 26.1 39.1





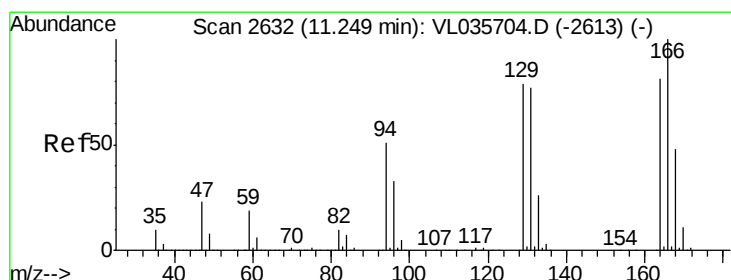
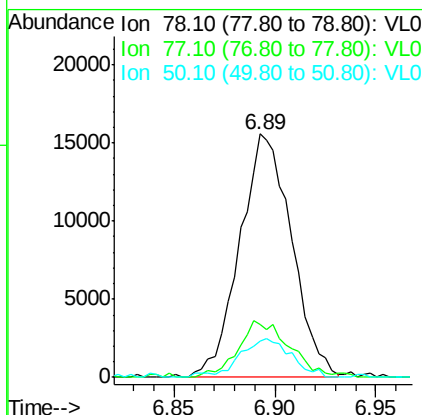
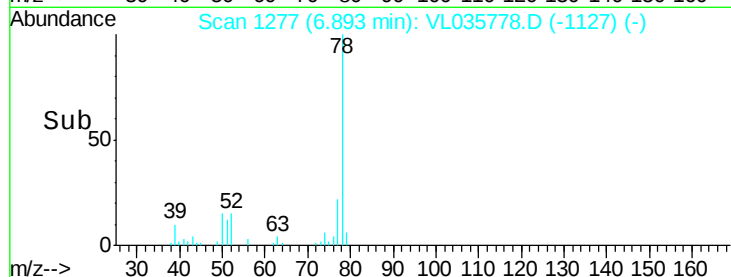
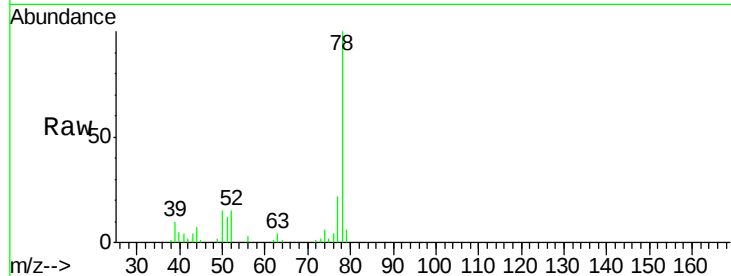
#36
Benzene
Concen: 0.117 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.3	28.9
50	14.9	11.6	17.4

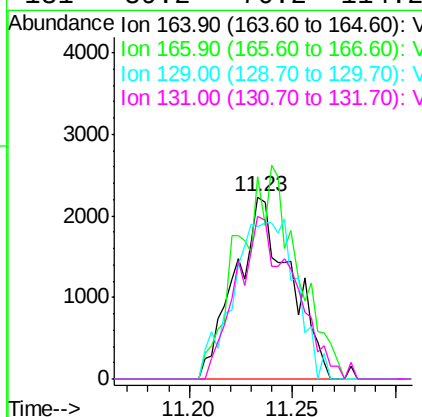
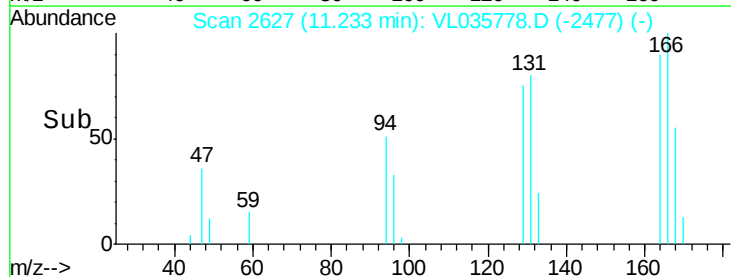
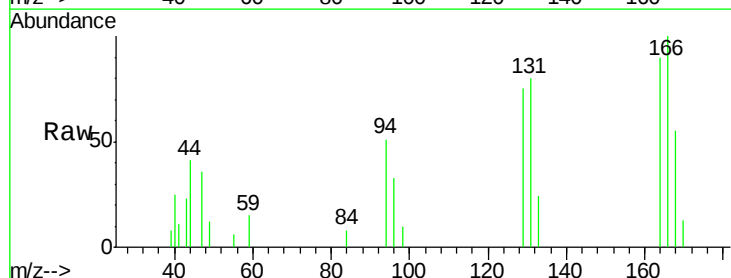
Manual Integrations
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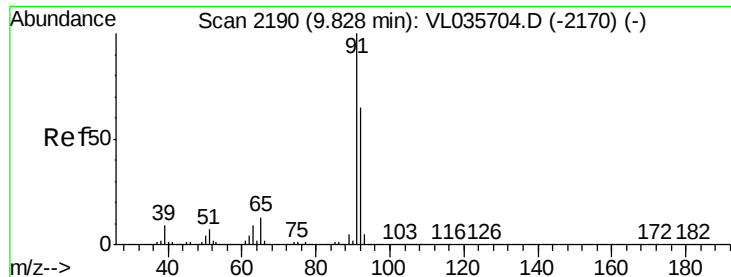
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#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. -0.02 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.3	98.7	148.1
129	83.5	78.4	117.6
131	89.2	76.2	114.2





#53

Toluene

Concen: 3.446 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035778.D

Acq: 13 Oct 2020 1:29

Instrument :

MSVOA_L

ClientSampled :

1DL

Tot Ion: 91 Resp: 973163

Ion Ratio Lower Upper

91 100

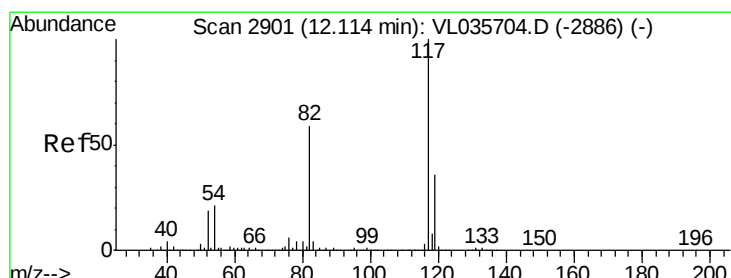
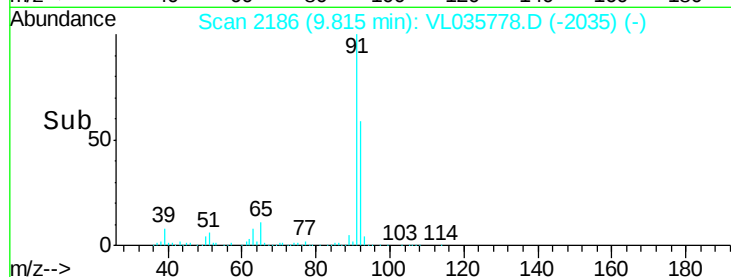
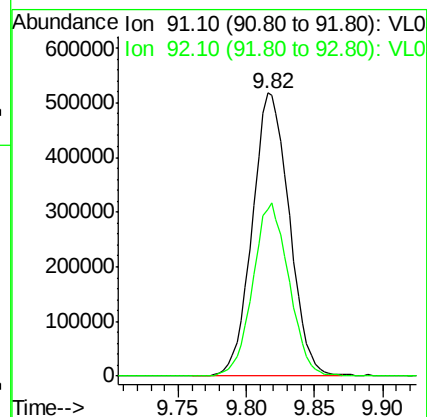
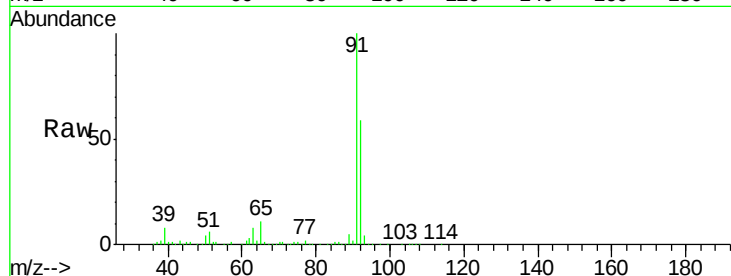
92 60.2 50.0 75.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035778.D

Acq: 13 Oct 2020 1:29

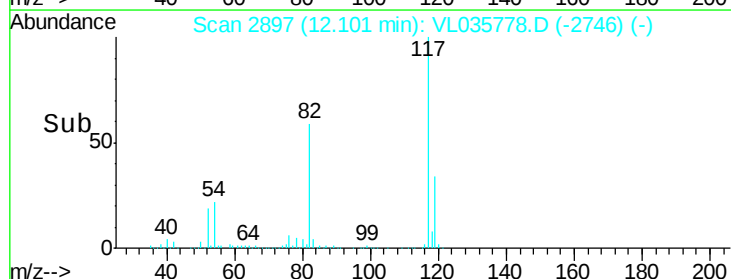
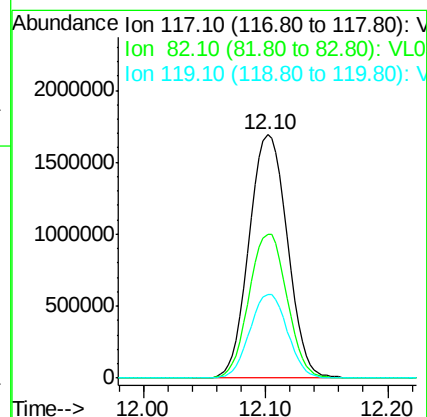
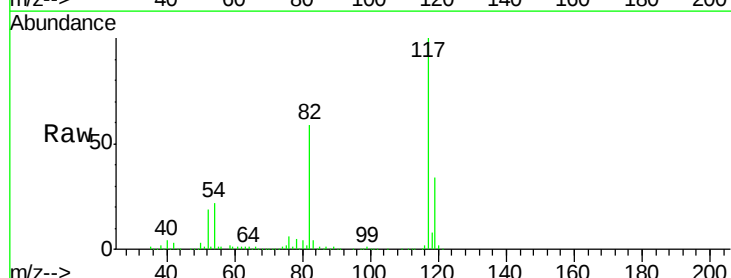
Tgt Ion: 117 Resp: 3675255

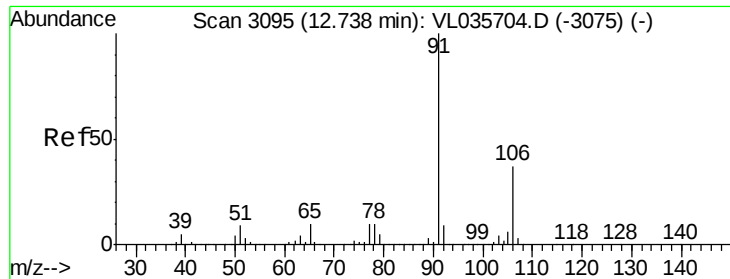
Ion Ratio Lower Upper

117 100

82 58.9 46.1 69.1

119 34.0 28.0 42.0





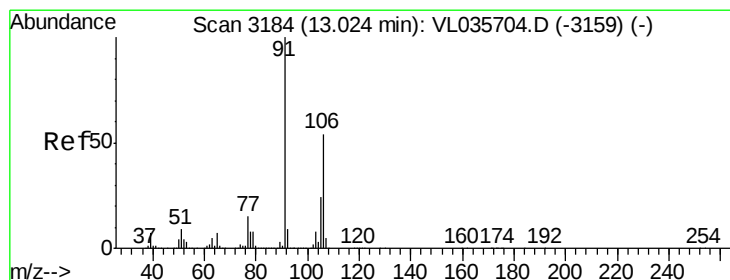
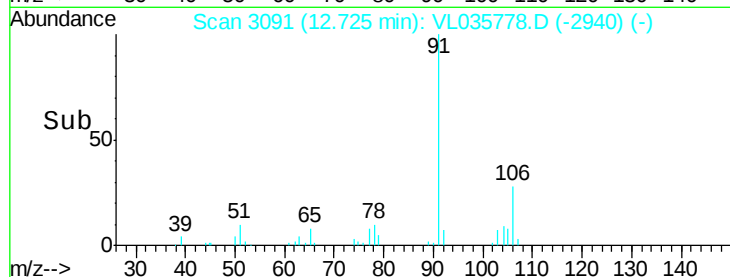
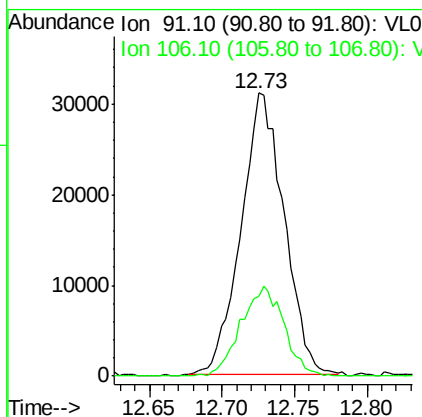
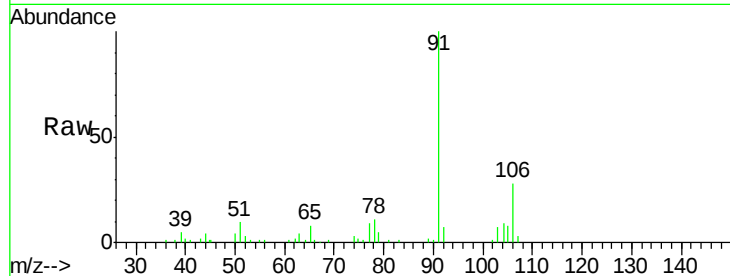
#58
Ethyl Benzene
Concen: 0.173 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tot Ion: 91 Resp: 63693
Ion Ratio Lower Upper
91 100
106 28.5 29.7 44.5#

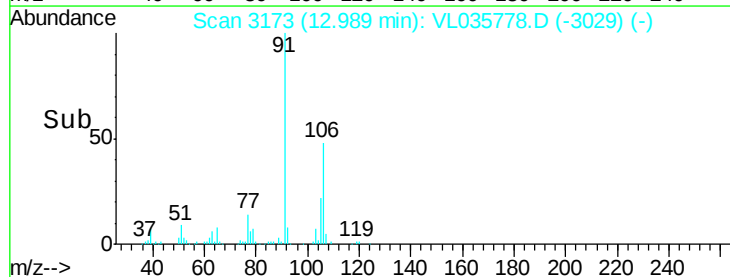
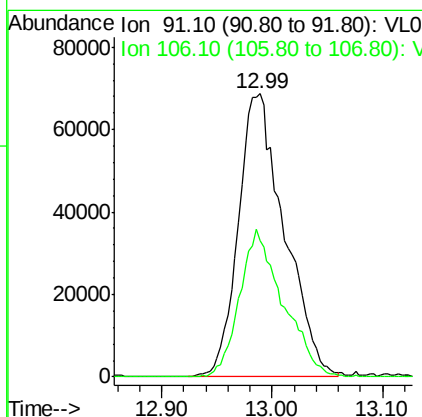
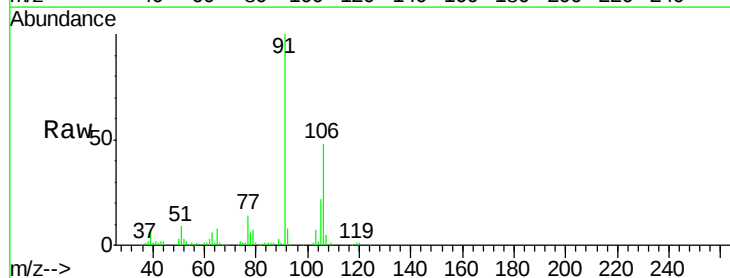
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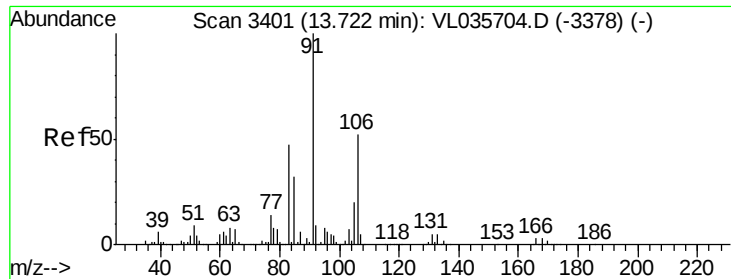
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#59
m/p-Xylene
Concen: 0.618 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 91 Resp: 199082
Ion Ratio Lower Upper
91 100
106 49.1 41.4 62.0





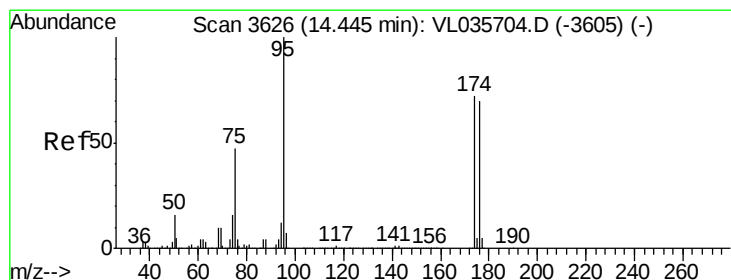
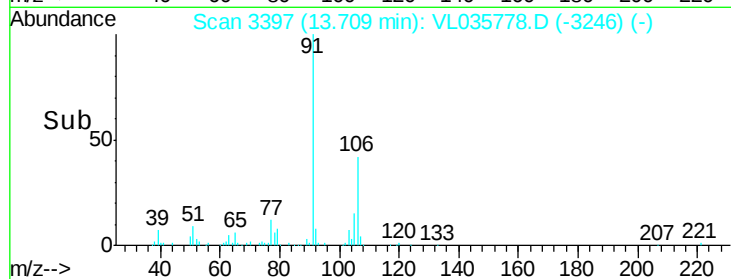
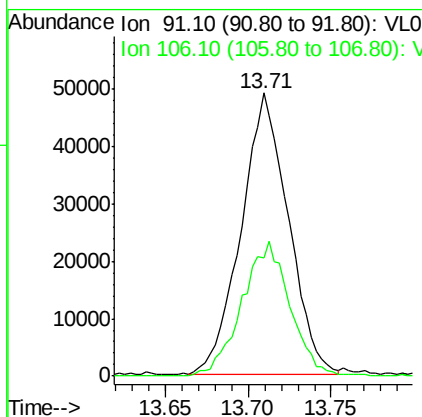
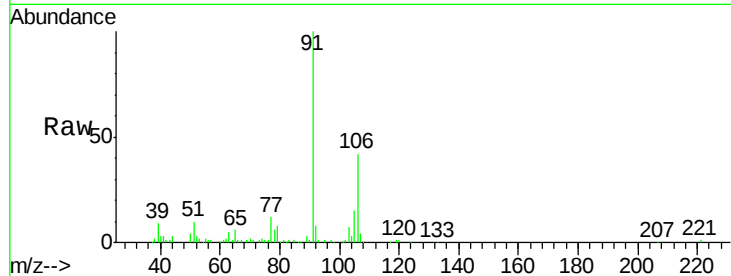
#60
o-Xylene
Concen: 0.297 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tot Ion: 91 Resp: 96729
Ion Ratio Lower Upper
91 100
106 48.8 25.0 75.0

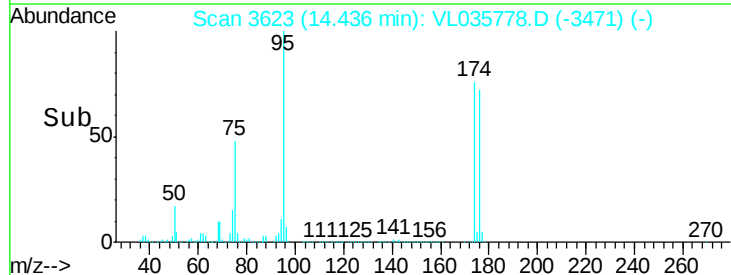
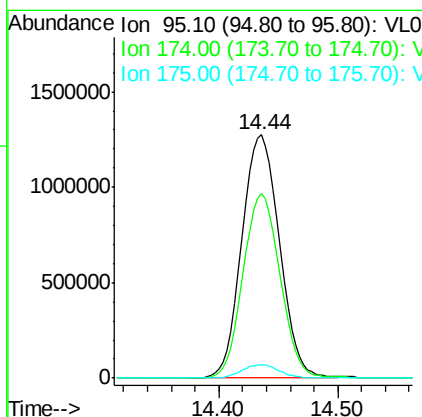
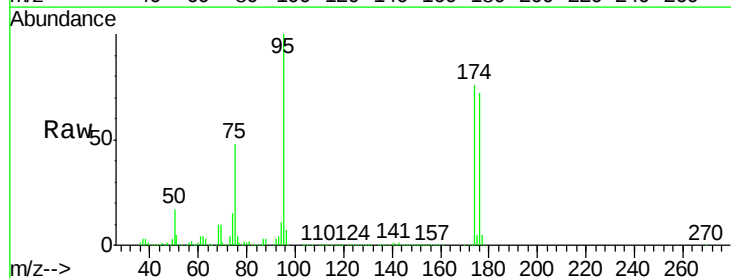
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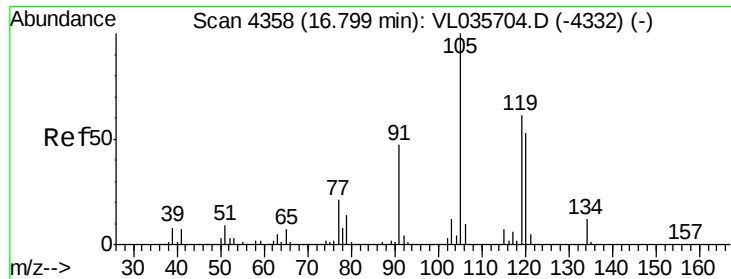
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.168 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035778.D
Acq: 13 Oct 2020 1:29

Tgt Ion: 95 Resp: 2800254
Ion Ratio Lower Upper
95 100
174 75.2 59.6 89.4
175 5.4 4.2 6.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.099 ppbv m
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL035778.D
 Acq: 13 Oct 2020 1:29

Instrument :
 MSVOA_L
 ClientSampled :
 1DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	48.6	42.5	63.7
91	12.4	37.7	56.5#
77	17.6	16.7	25.1

Manual Integrations
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