

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035482.D
 Acq On : 20 Aug 2020 19:46
 Operator : SY/AP
 Sample : L3743-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4DL

Manual Integrations
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MMDadoda
 8/21/2020 11:24:45 AM

Quant Time: Aug 21 07:20:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 1
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1091102	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5025777	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4920810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3514484	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	25562m	0.187	ppbv	
9) Propene	3.02	41	30880	0.562	ppbv #	72
13) Ethanol	3.60	45	224622	11.149	ppbv	100
15) Acetone	3.86	43	143171	1.140	ppbv #	74
20) Methylene Chloride	4.35	84	96417	0.952	ppbv #	67
26) Hexane	5.69	57	33625	0.244	ppbv #	34
34) 2-Butanone	5.26	43	25565m	0.152	ppbv	
38) Trichloroethene	7.84	130	670329	3.267	ppbv #	83
52) Tetrachloroethene	11.24	164	399283	1.775	ppbv #	82
53) Toluene	9.82	91	85910	0.181	ppbv	99
59) m/p-Xylene	12.98	91	55938m	0.111	ppbv	

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

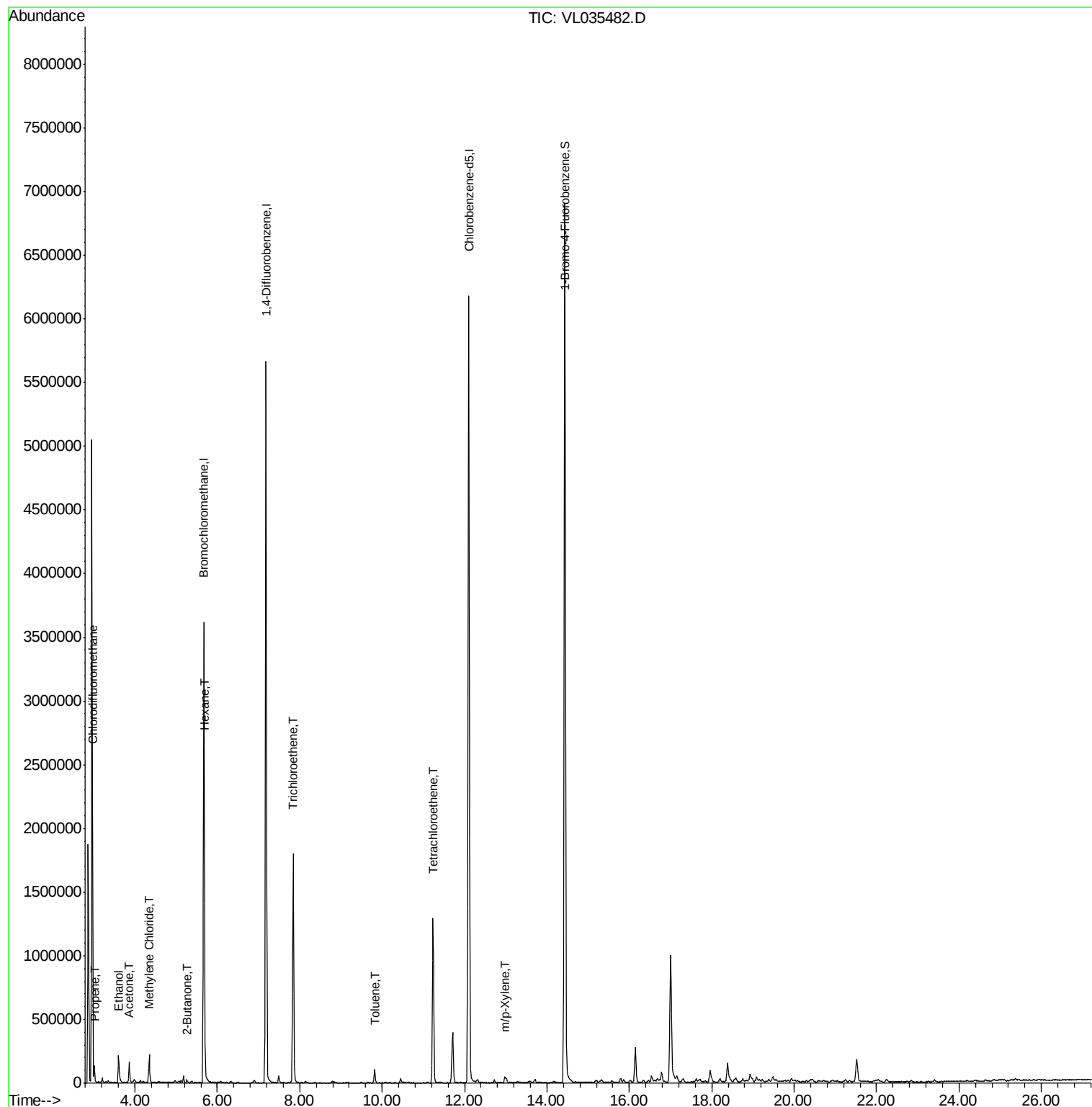
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL082020\
Data File : VL035482.D
Acq On : 20 Aug 2020 19:46
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Manual Integrations
APPROVED

MMDadoda
8/21/2020 11:24:45 AM

Quant Time: Aug 21 07:20:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DL

Tot Ion: 49 Resp: 1091102

Ion Ratio Lower Upper

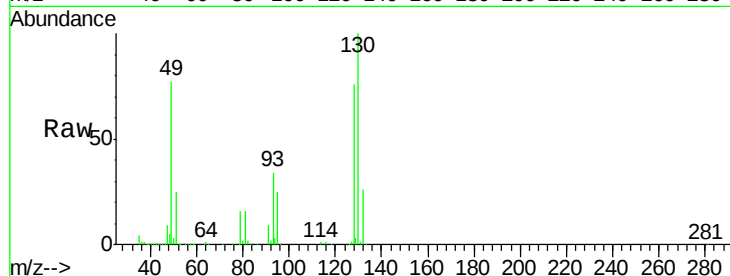
49 100

128 103.3 20.9 62.7#

130 133.3 26.7 80.1#

Manual Integrations
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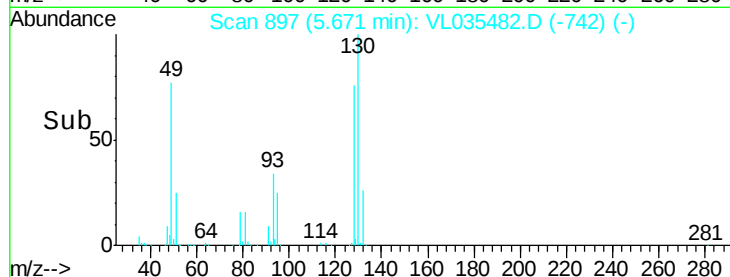
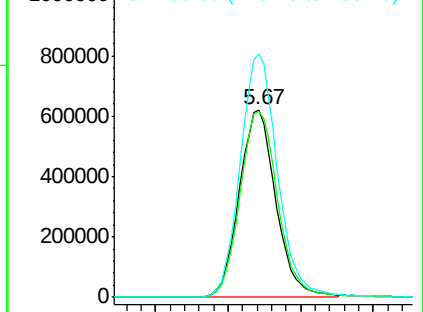
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.187 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035482.D

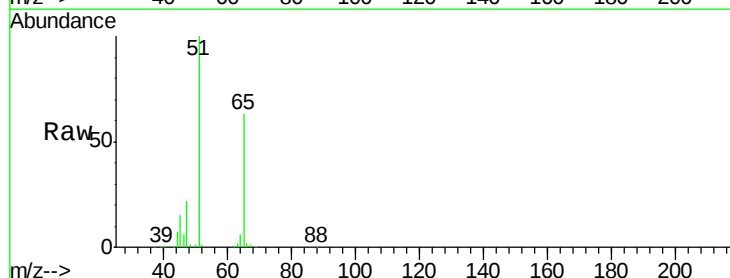
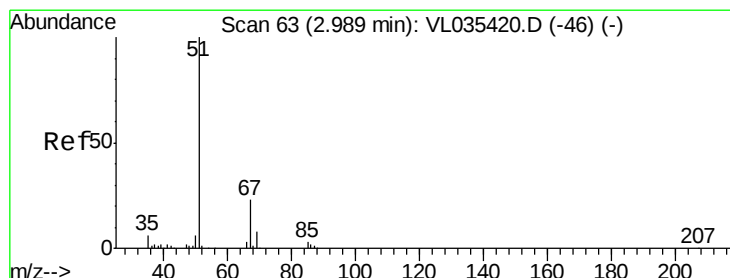
Acq: 20 Aug 2020 19:46

Tgt Ion: 51 Resp: 25562

Ion Ratio Lower Upper

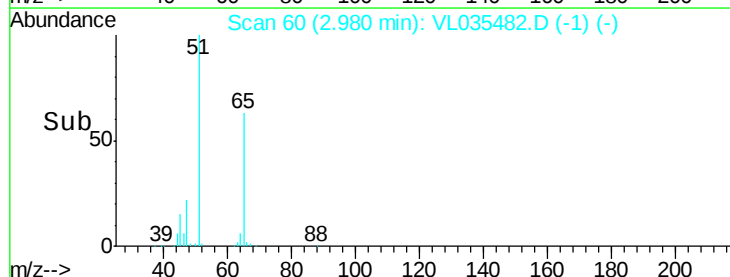
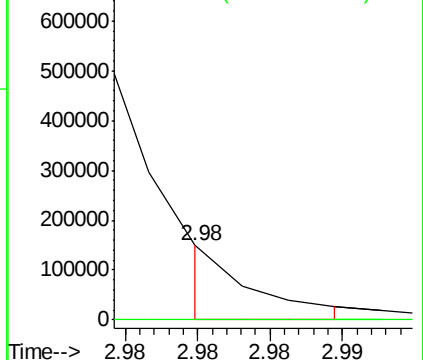
51 100

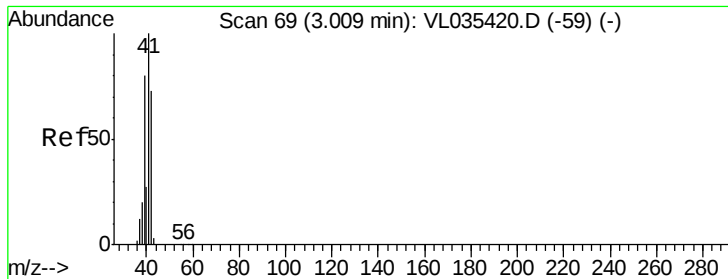
67 0.0 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





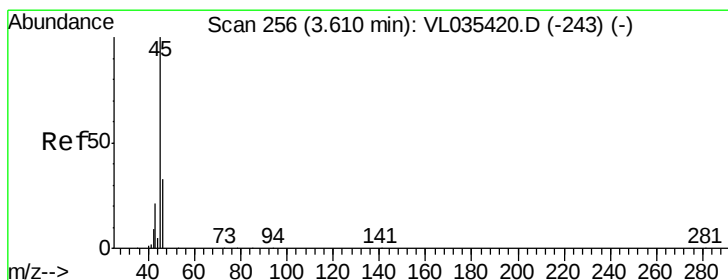
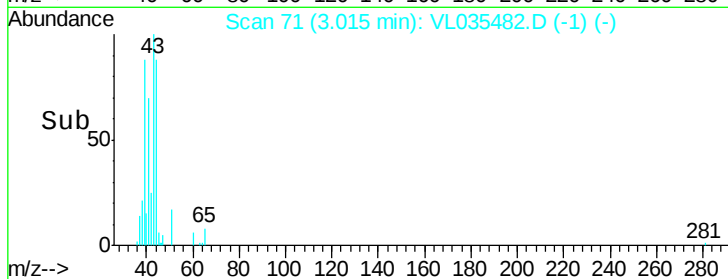
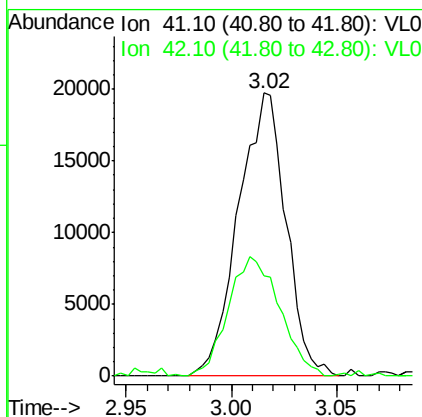
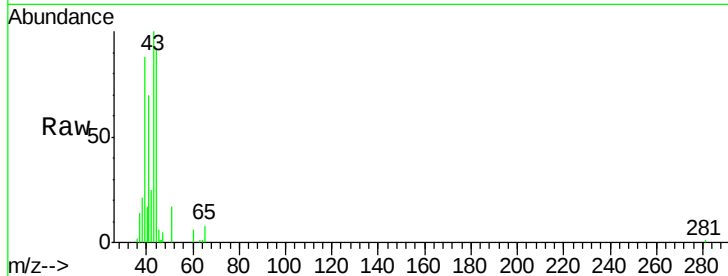
#9
 Propene
 Concen: 0.562 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL035482.D
 Acq: 20 Aug 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
 SSMP-4DL

Tot Ion: 41 Resp: 30880
 Ion Ratio Lower Upper
 41 100
 42 46.8 55.5 83.3#

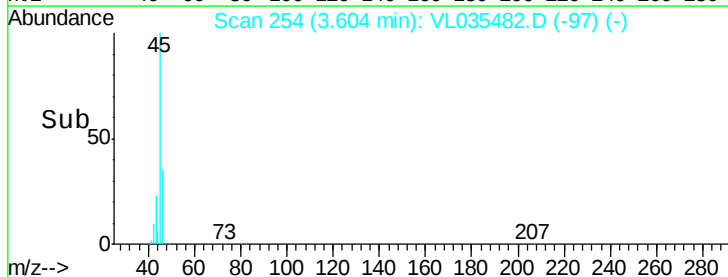
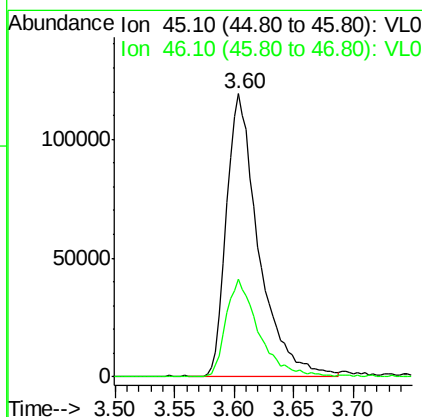
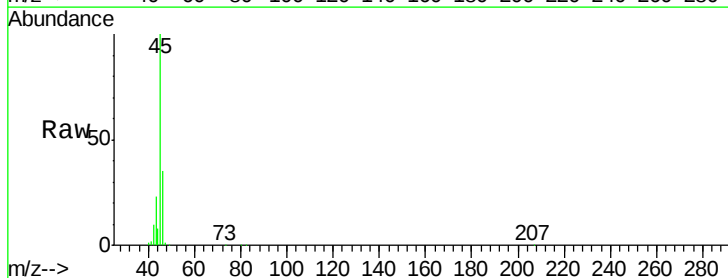
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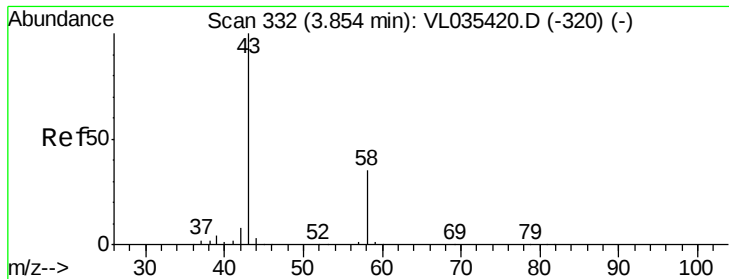
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#13
 Ethanol
 Concen: 11.149 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL035482.D
 Acq: 20 Aug 2020 19:46

Tgt Ion: 45 Resp: 224622
 Ion Ratio Lower Upper
 45 100
 46 35.5 14.2 56.6





#15

Acetone

Concen: 1.140 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DL

Tot Ion: 43 Resp: 143171

Ion Ratio Lower Upper

43 100

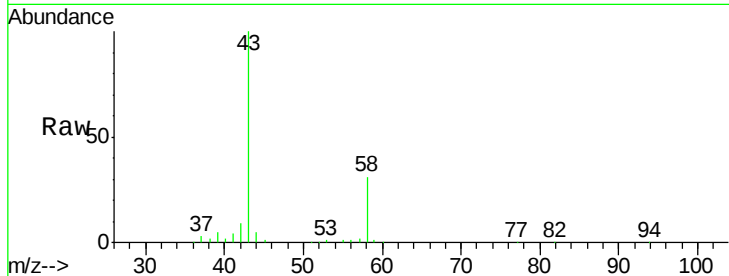
58 39.5 21.0 31.6#

Manual Integrations

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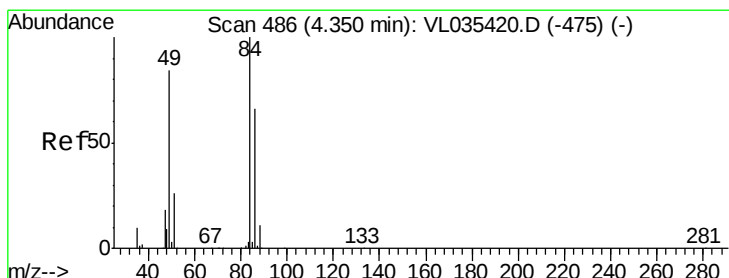
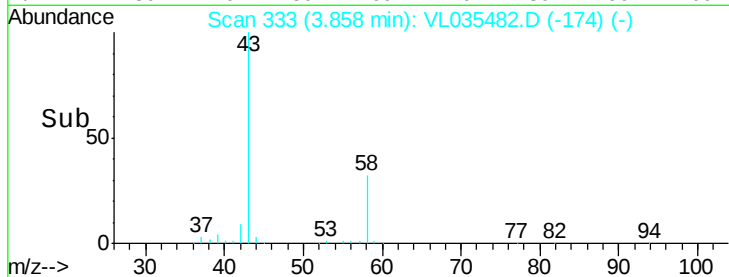
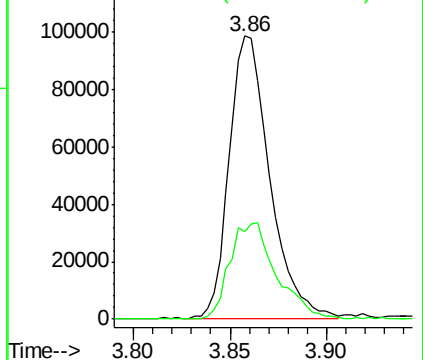
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.952 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Tgt Ion: 84 Resp: 96417

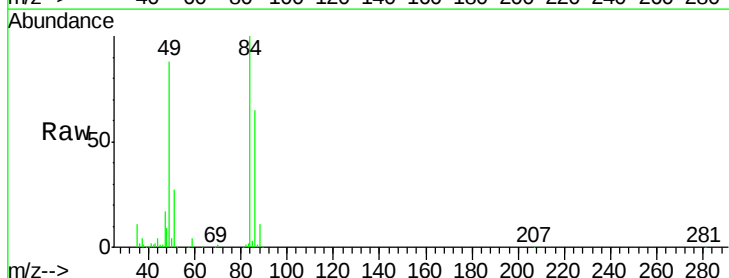
Ion Ratio Lower Upper

84 100

49 88.0 118.6 177.8#

51 26.8 36.4 54.6#

86 64.7 50.2 75.4

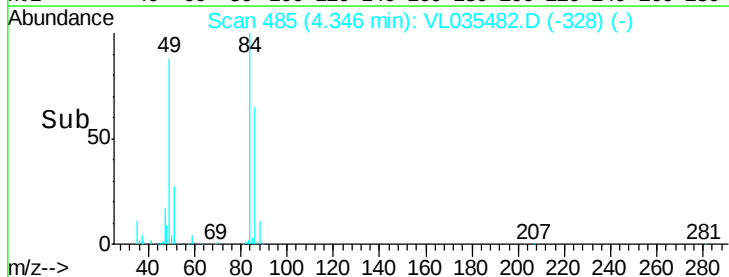
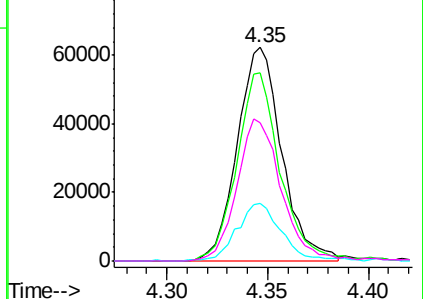


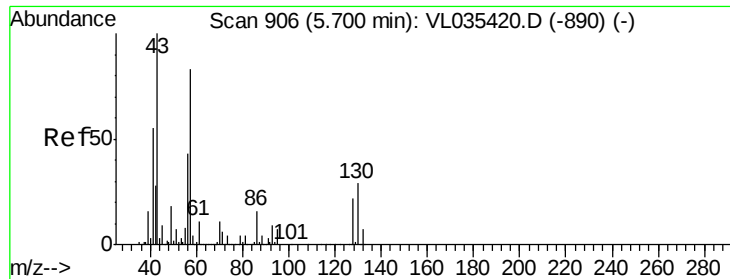
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





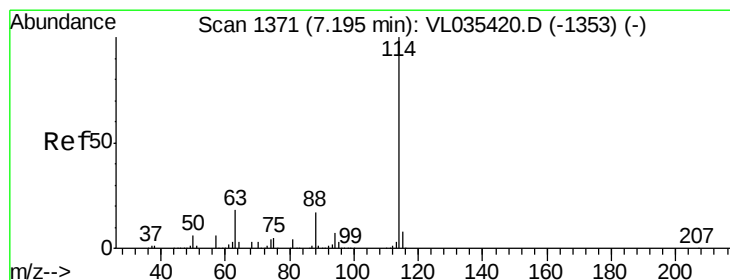
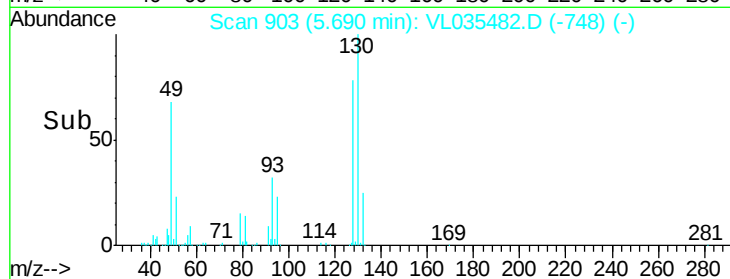
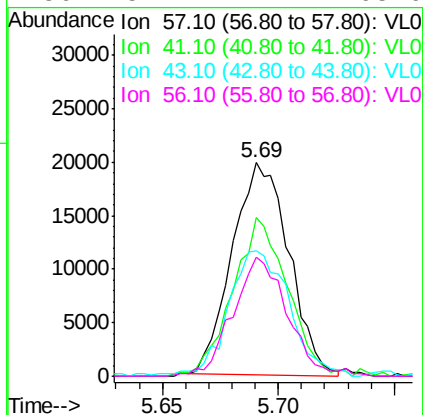
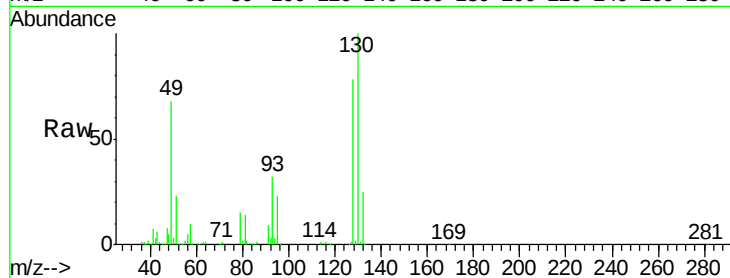
#26
Hexane
Concen: 0.244 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035482.D
Acq: 20 Aug 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	73.8	75.5	113.3#
43	63.8	181.7	272.5#
56	54.4	42.4	63.6

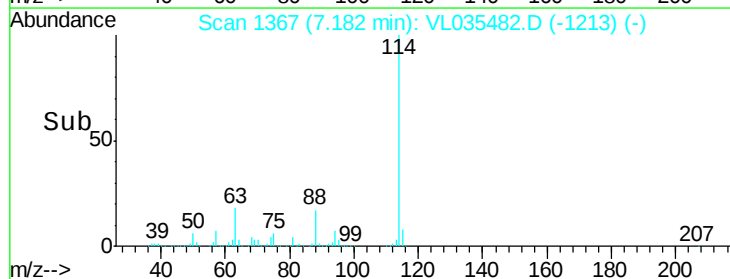
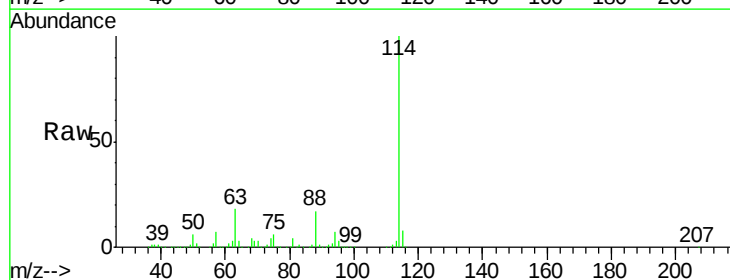
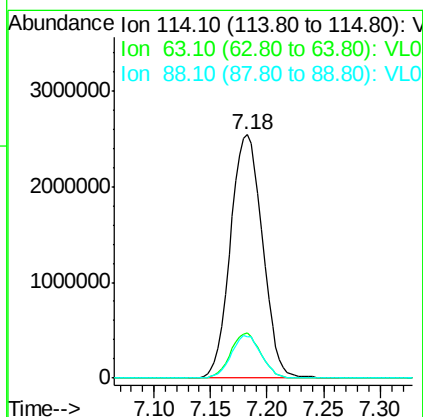
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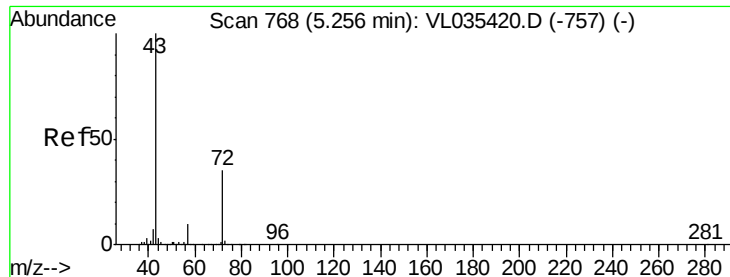
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035482.D
Acq: 20 Aug 2020 19:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.5	23.1	34.7#
88	16.5	15.9	23.9





#34

2-Butanone

Concen: 0.152 ppbv m

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DL

Tot Ion: 43 Resp: 25565

Ion Ratio Lower Upper

43 100

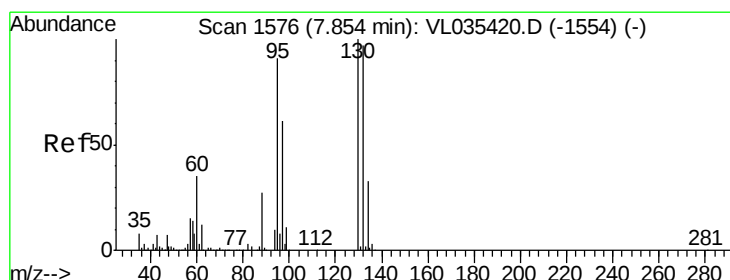
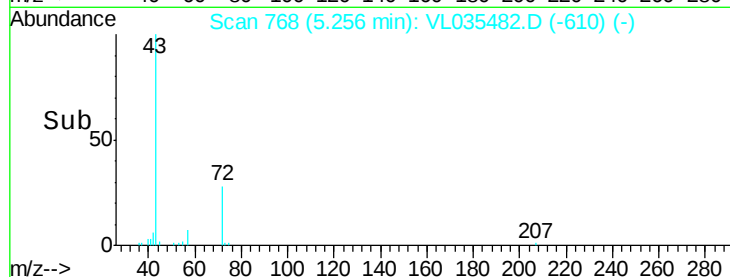
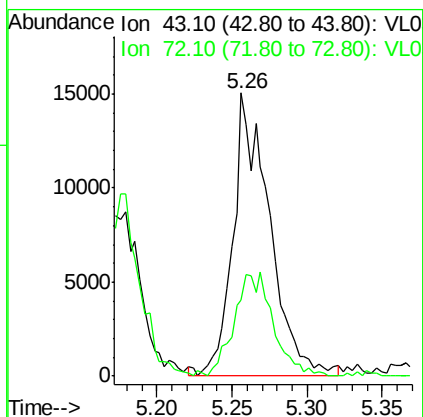
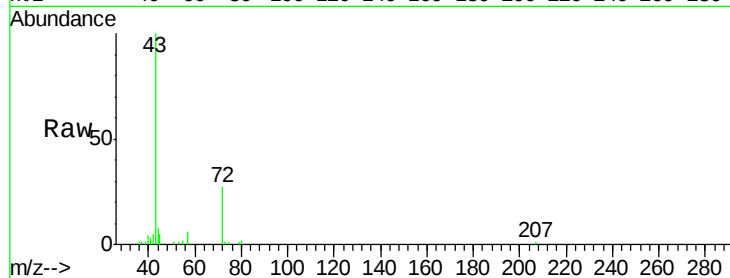
72 0.0 17.6 26.4#

Manual Integrations

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#38

Trichloroethene

Concen: 3.267 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Tgt Ion: 130 Resp: 670329

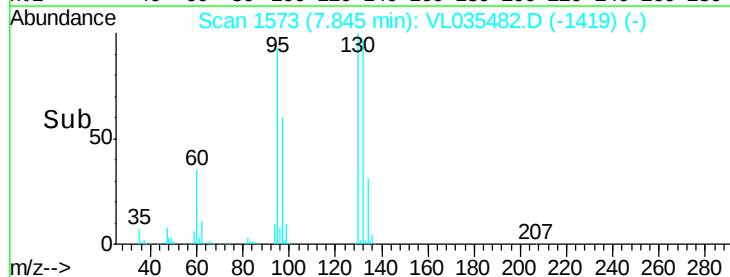
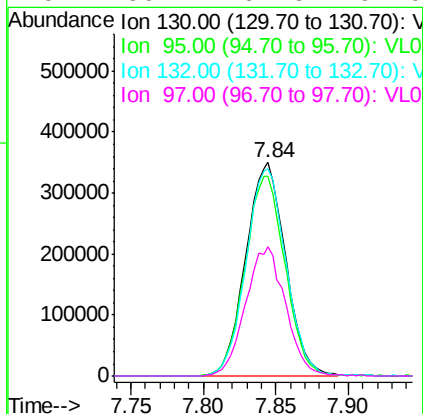
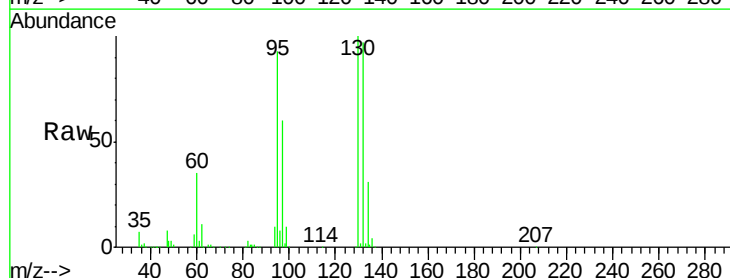
Ion Ratio Lower Upper

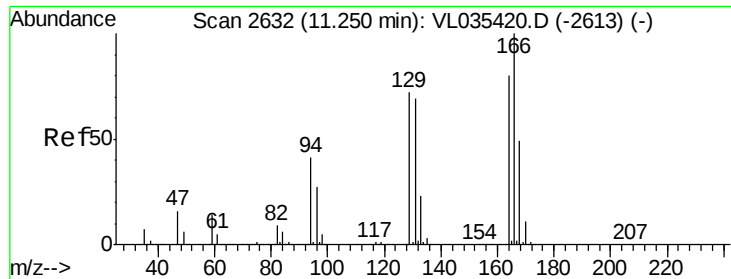
130 100

95 93.4 95.8 143.8#

132 97.3 74.3 111.5

97 60.4 62.6 94.0#





#52

Tetrachloroethene

Concen: 1.775 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DL

Tot Ion:164 Resp: 399283

Ion Ratio Lower Upper

164 100

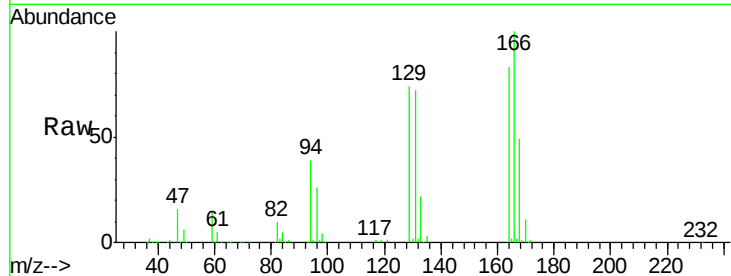
166 119.9 103.4 155.0

129 88.6 90.2 135.4#

131 86.8 91.7 137.5#

Manual Integrations
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8/21/2020 11:24:45 AM

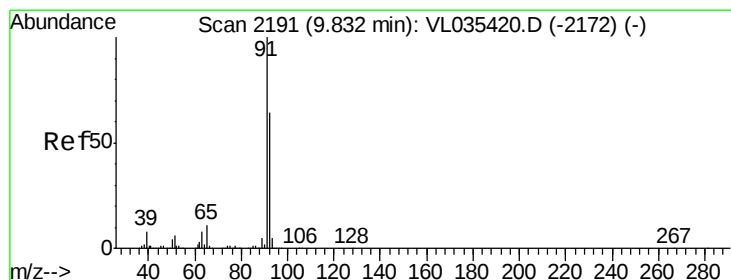
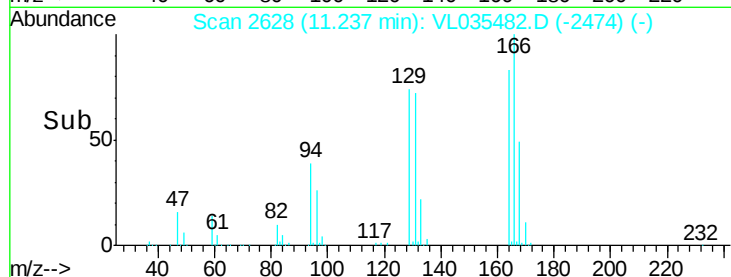
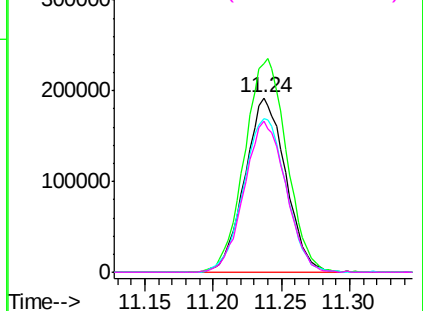


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.181 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035482.D

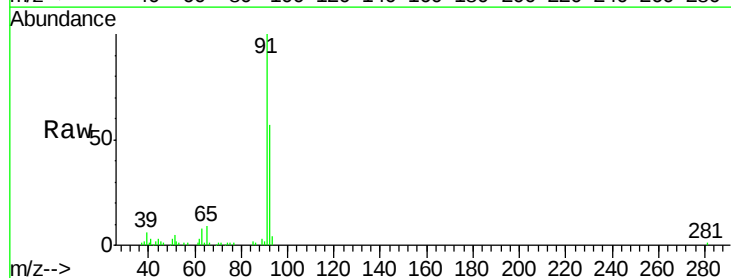
Acq: 20 Aug 2020 19:46

Tgt Ion: 91 Resp: 85910

Ion Ratio Lower Upper

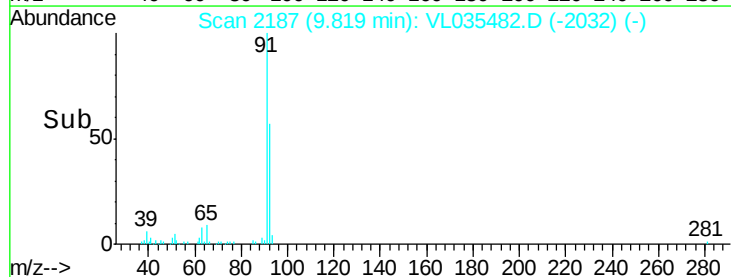
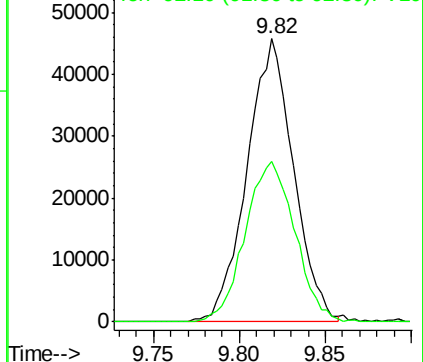
91 100

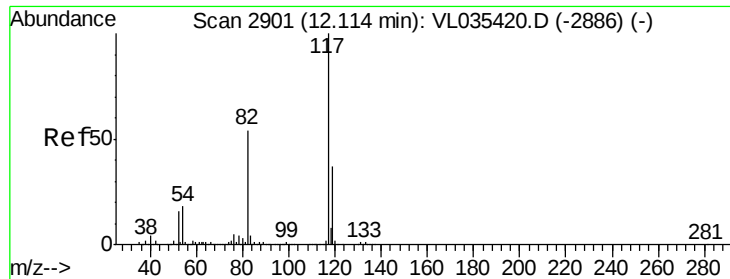
92 60.6 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





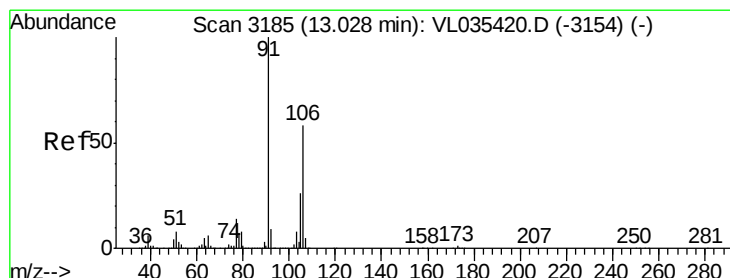
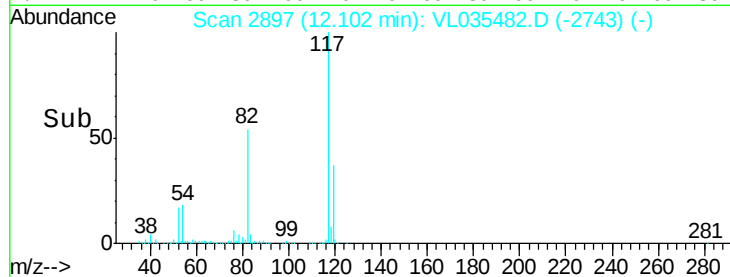
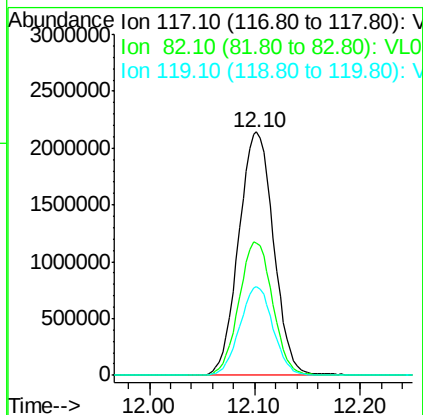
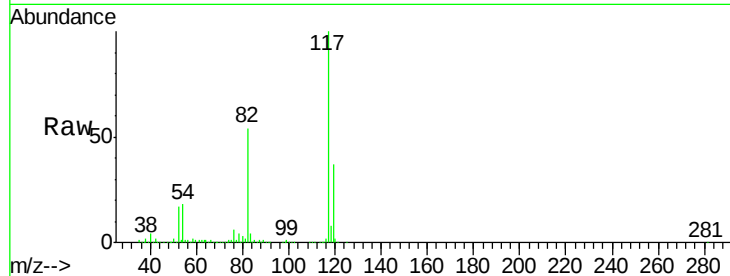
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035482.D
Acq: 20 Aug 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
SSMP-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	57.4	86.0#
119	35.1	28.4	42.6

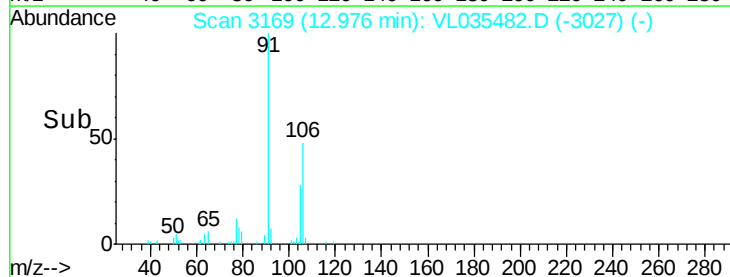
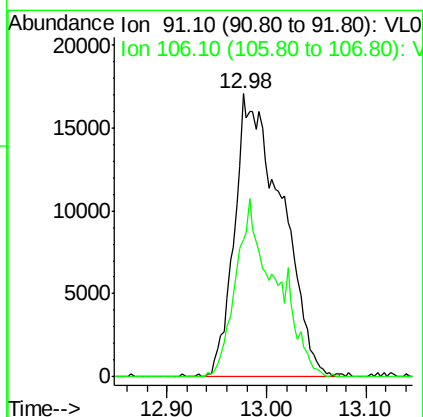
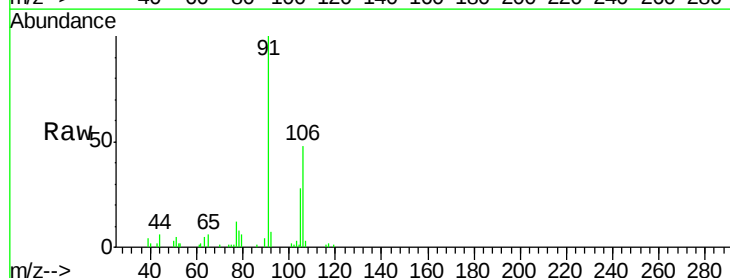
Manual Integrations
APPROVED

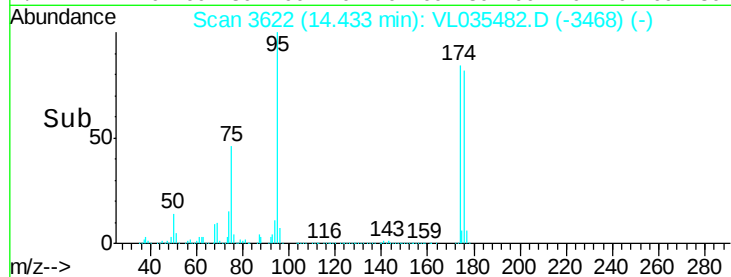
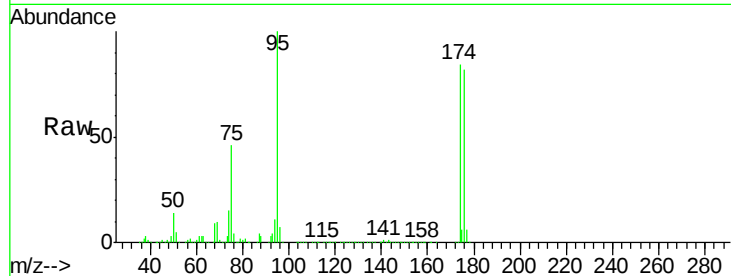
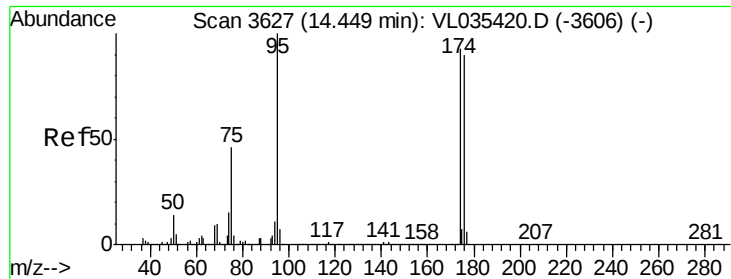
MMDadoda
8/21/2020 11:24:45 AM



#59
m/p-Xylene
Concen: 0.111 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.04 min
Lab File: VL035482.D
Acq: 20 Aug 2020 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.0	51.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.202 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035482.D

Acq: 20 Aug 2020 19:46

Tot Ion: 95 Resp: 3514484

Ion Ratio Lower Upper

95 100

174 88.0 44.0 66.0#

175 6.3 3.2 4.8#

Instrument :

MSVOA_L

ClientSampleId :

SSMP-4DL

Manual Integrations

APPROVED

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