

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035449.D
 Acq On : 18 Aug 2020 19:49
 Operator : SY/AP
 Sample : L3725-02DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DL DUP

Manual Integrations
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 8/20/2020 11:07:15 AM

Quant Time: Aug 19 11:02:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 18 2020
 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	5.68	49	1137605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5241632	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5140736	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3727767	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Trichlorofluoromethane	3.96	101	47519	0.144	ppbv	97
13) Ethanol	3.61	45	2986506	142.179	ppbv	97
15) Acetone	3.86	43	563490	4.303	ppbv #	81
17) tert-Butyl alcohol	4.32	59	60033	0.355	ppbv	99
27) Carbon Disulfide	4.56	76	62439	0.300	ppbv #	91
29) Chloroform	5.76	83	64037	0.222	ppbv	93
34) 2-Butanone	5.26	43	76881	0.439	ppbv #	70
41) Tetrahydrofuran	6.09	42	14862m	0.154	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	30927m	0.123	ppbv	
52) Tetrachloroethene	11.26	164	8580m	0.037	ppbv	
53) Toluene	9.83	91	113084	0.228	ppbv	95
59) m/p-Xylene	13.00	91	103356m	0.197	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	159695m	0.236	ppbv	

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

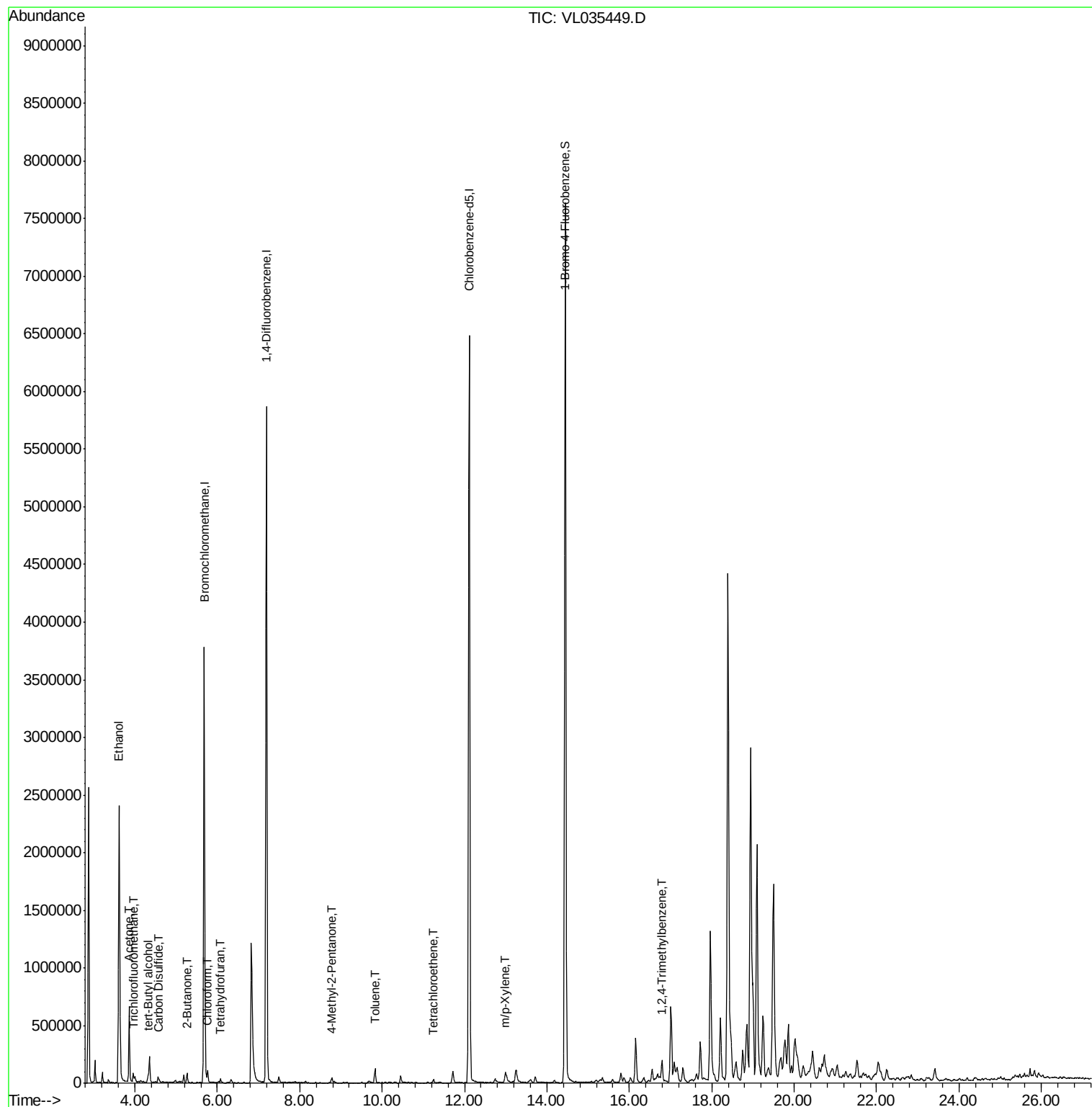
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035449.D
Acq On : 18 Aug 2020 19:49
Operator : SY/AP
Sample : L3725-02DLDUP 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

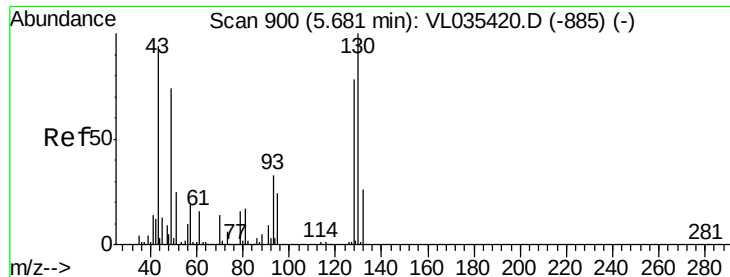
Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Manual Integrations
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8/20/2020 11:07:15 AM

Quant Time: Aug 19 11:02:15 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: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035449.D

Acq: 18 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

SS-03DLDUP

Tot Ion: 49 Resp: 1137605

Ion Ratio Lower Upper

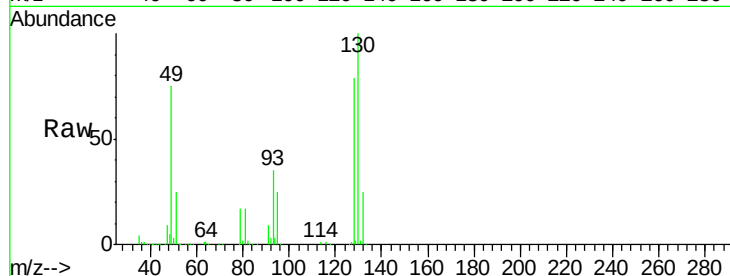
49 100

128 104.5 20.9 62.7#

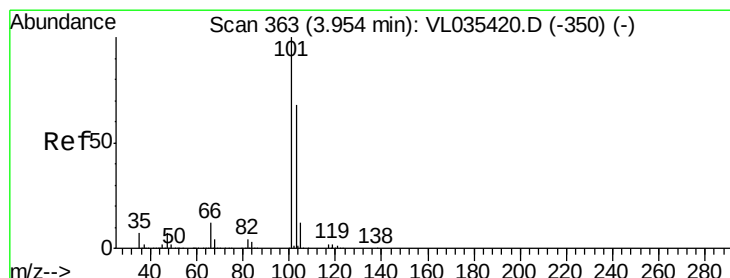
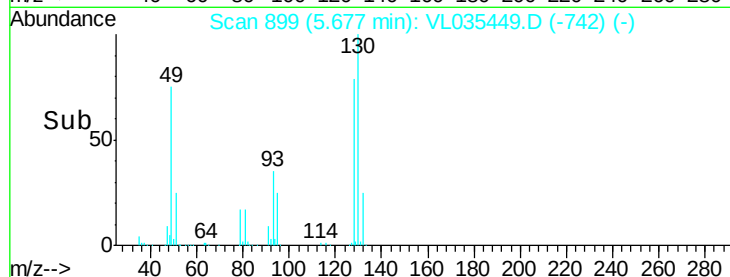
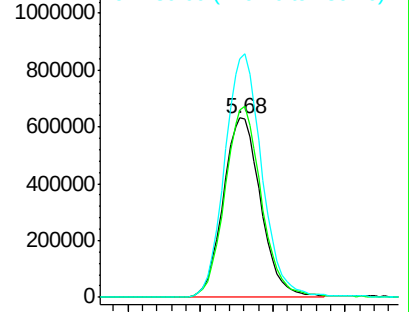
130 135.6 26.7 80.1#

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Abundance Ion 49.10 (48.80 to 49.80): VL035449.D (-742) (-)



#11

Trichlorofluoromethane

Concen: 0.144 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL035449.D

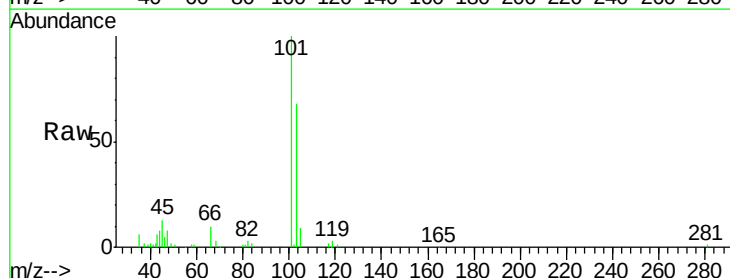
Acq: 18 Aug 2020 19:49

Tgt Ion: 101 Resp: 47519

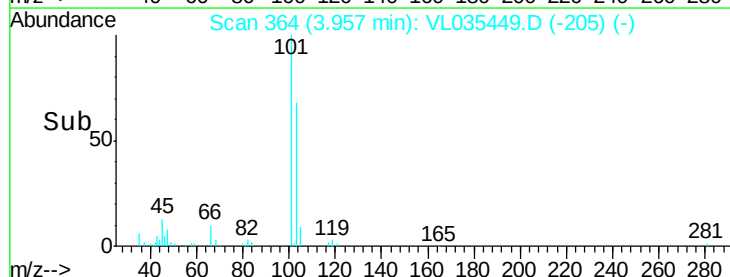
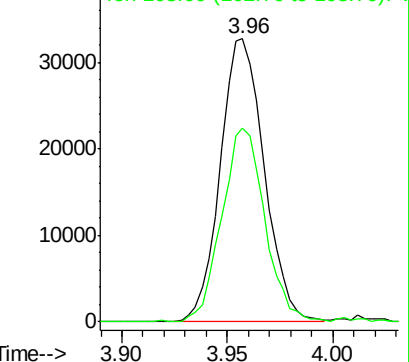
Ion Ratio Lower Upper

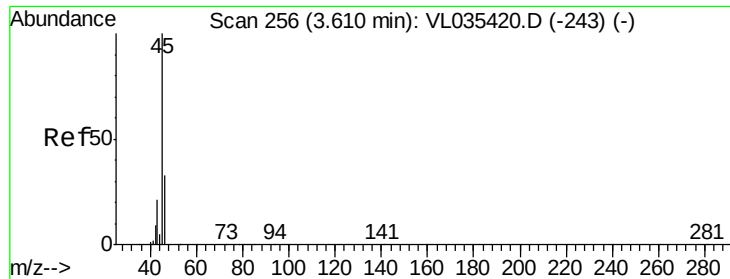
101 100

103 68.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VL035449.D (-205) (-)





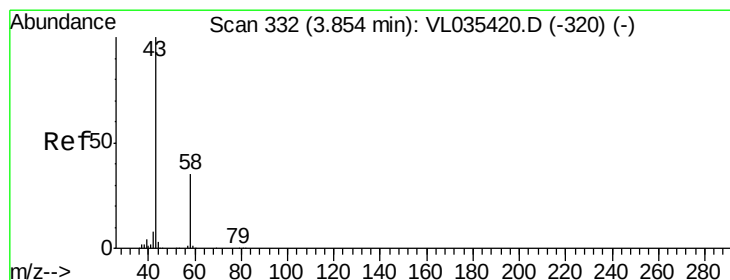
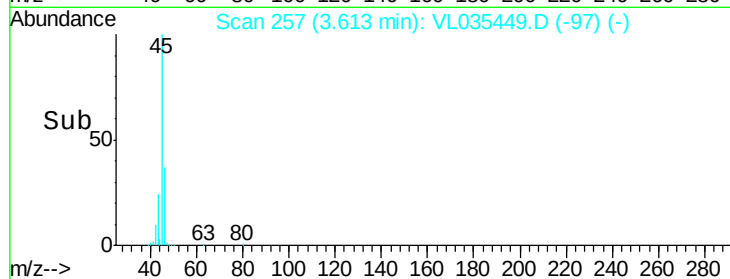
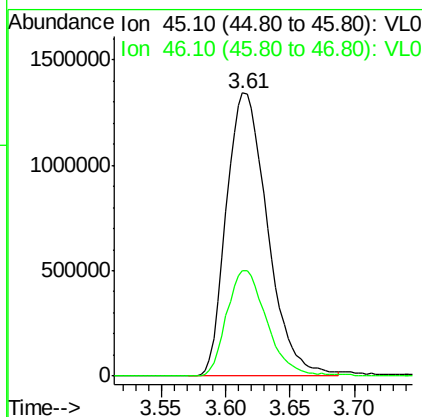
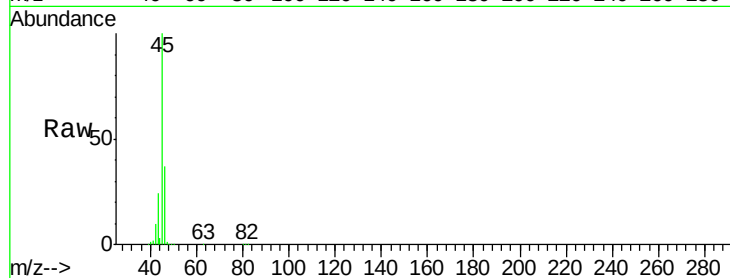
#13
Ethanol
Concen: 142.179 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Tot Ion: 45 Resp: 2986506
Ion Ratio Lower Upper
45 100
46 37.0 14.2 56.6

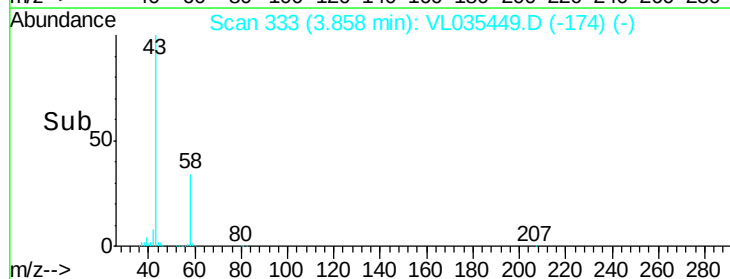
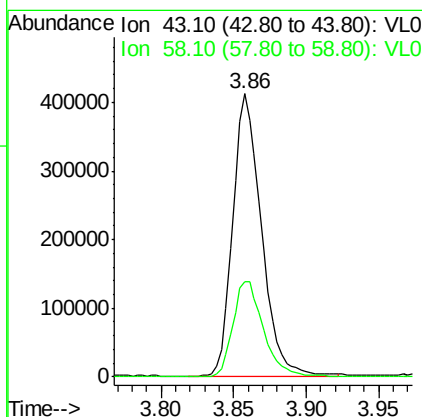
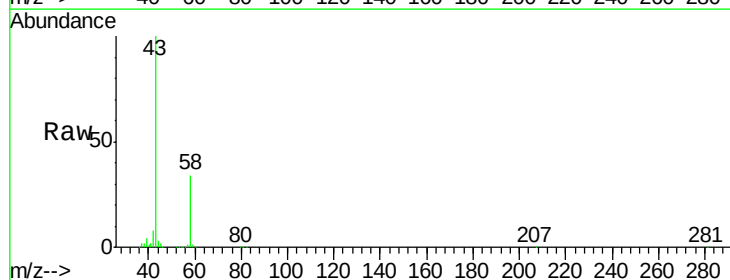
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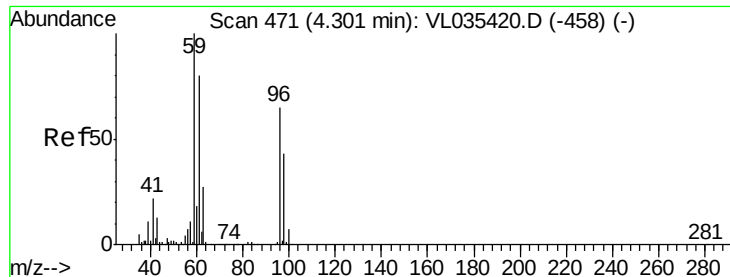
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#15
Acetone
Concen: 4.303 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 43 Resp: 563490
Ion Ratio Lower Upper
43 100
58 36.2 21.0 31.6#





#17

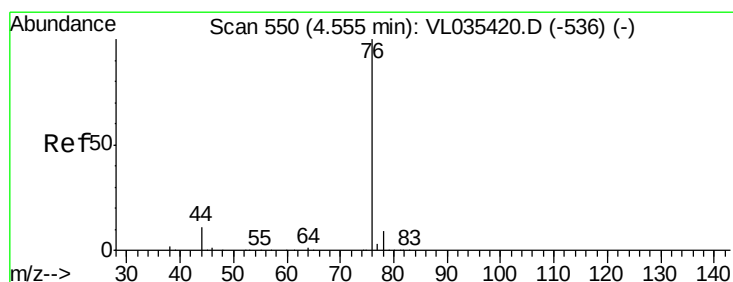
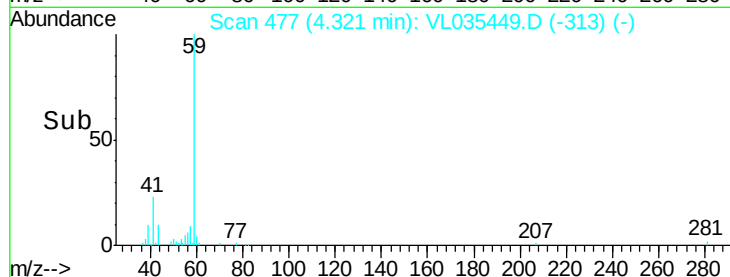
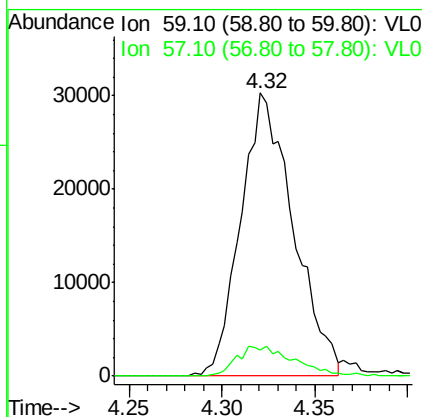
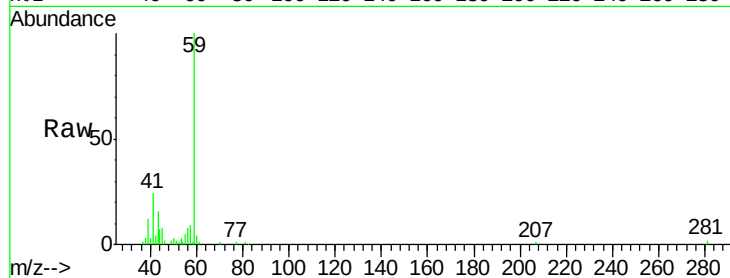
tert-Butyl alcohol
Concen: 0.355 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.9	13.3

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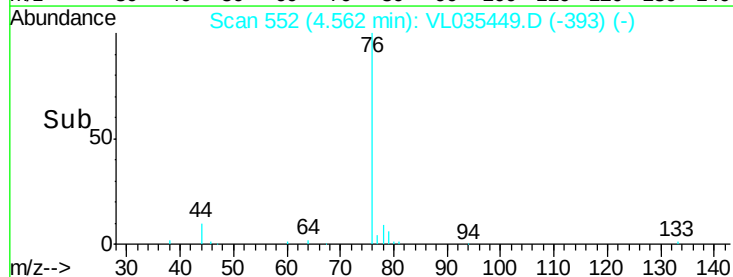
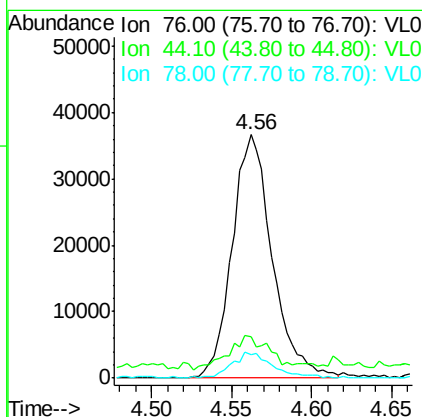
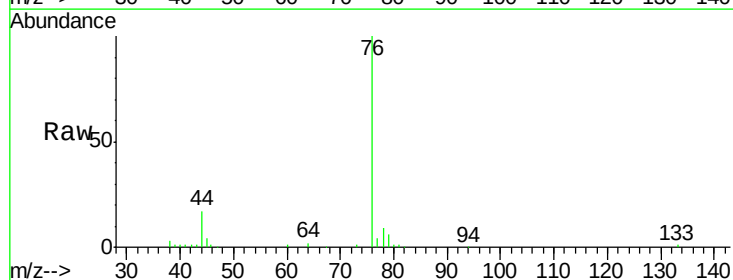
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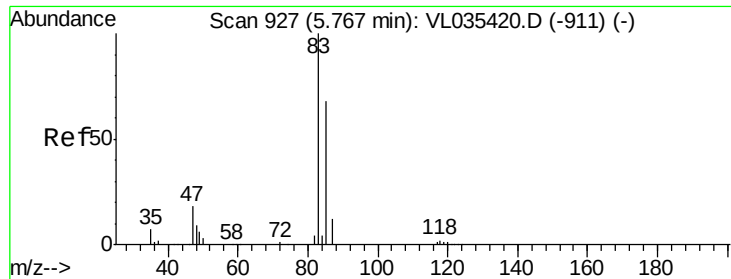


#27

Carbon Disulfide
Concen: 0.300 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion	Ratio	Lower	Upper
76	100		
44	16.3	16.8	25.2#
78	11.1	7.3	10.9#





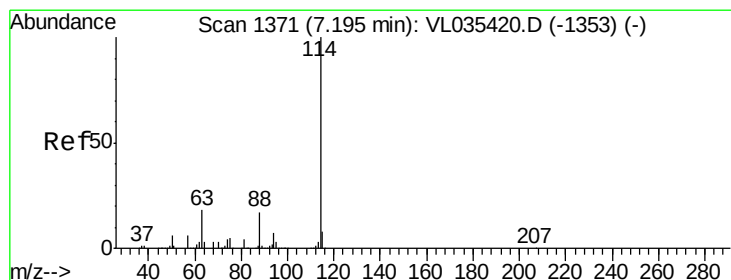
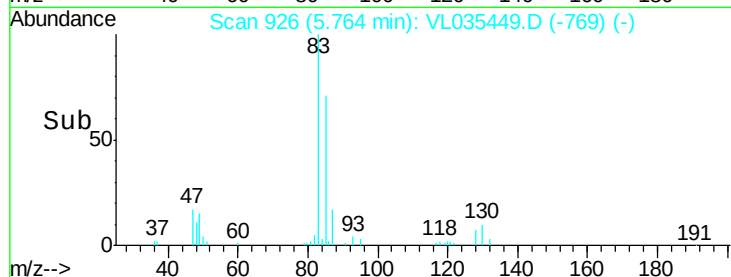
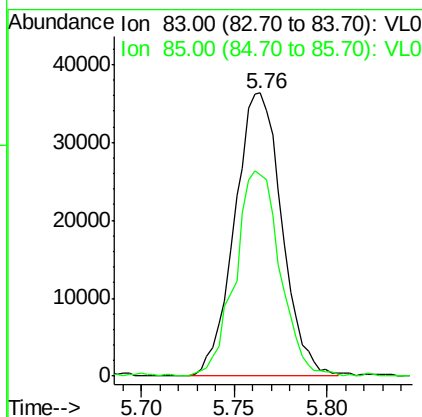
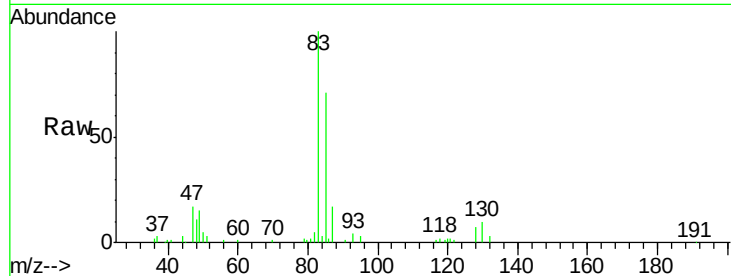
#29
Chloroform
Concen: 0.222 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Tot Ion: 83 Resp: 64037
Ion Ratio Lower Upper
83 100
85 71.3 52.7 79.1

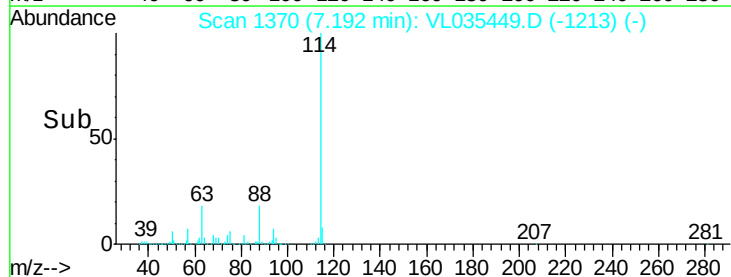
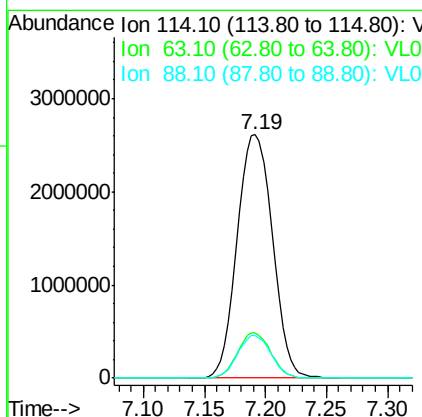
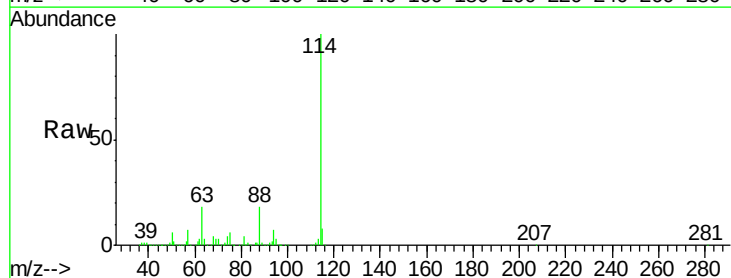
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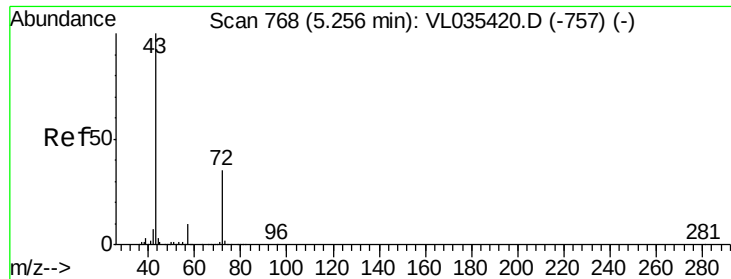
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 114 Resp: 5241632
Ion Ratio Lower Upper
114 100
63 17.4 23.1 34.7#
88 16.6 15.9 23.9





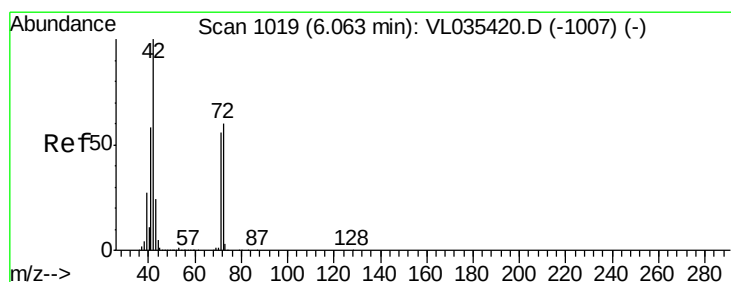
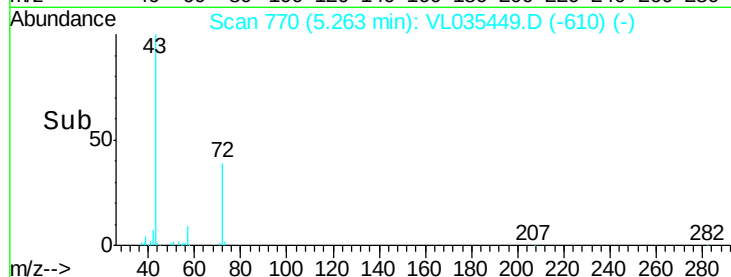
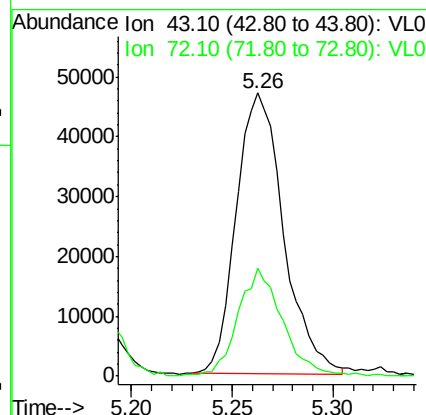
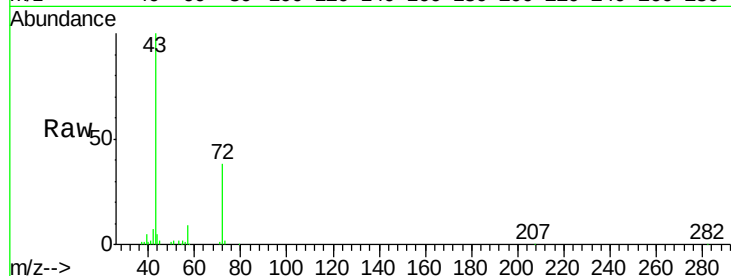
#34
 2-Butanone
 Concen: 0.439 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL035449.D
 Acq: 18 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DLDUP

Tot Ion: 43 Resp: 76881
 Ion Ratio Lower Upper
 43 100
 72 36.5 17.6 26.4#

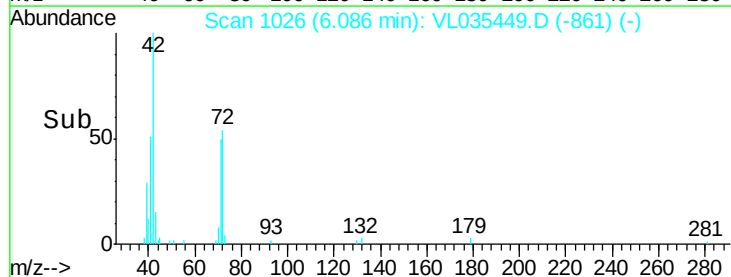
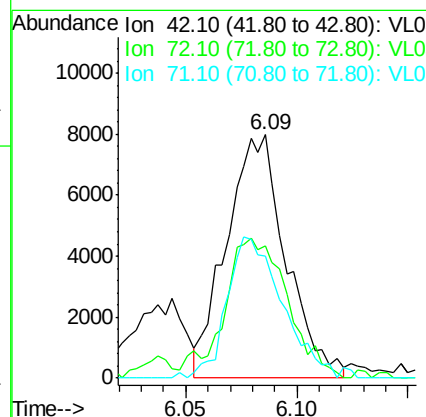
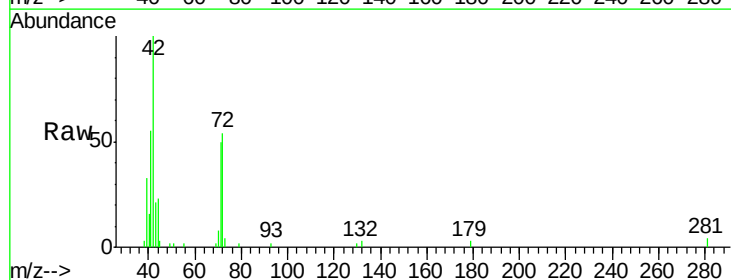
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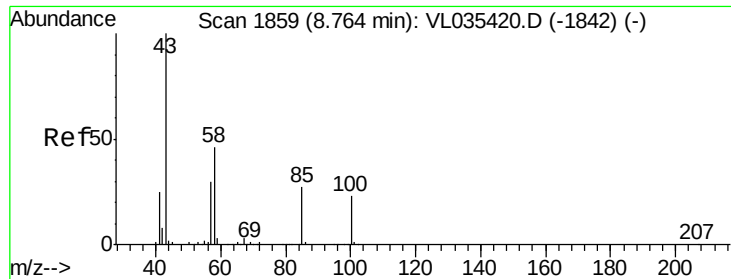
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#41
 Tetrahydrofuran
 Concen: 0.154 ppbv m
 RT: 6.09 min Scan# 1026
 Delta R.T. 0.03 min
 Lab File: VL035449.D
 Acq: 18 Aug 2020 19:49

Tgt Ion: 42 Resp: 14862
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.4 44.2#
 71 0.0 28.9 43.3#





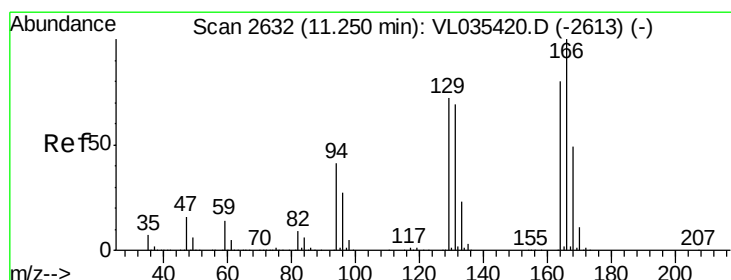
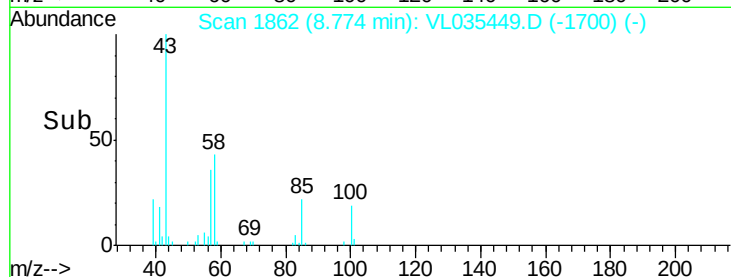
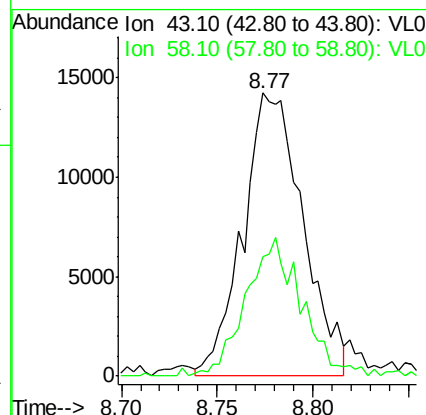
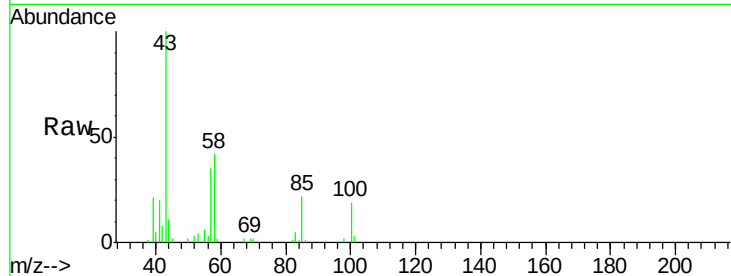
#50
4-Methyl-2-Pentanone
Concen: 0.123 ppbv m
RT: 8.77 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Tot Ion: 43 Resp: 30927
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

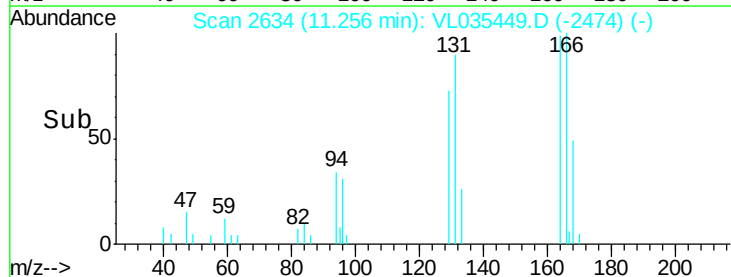
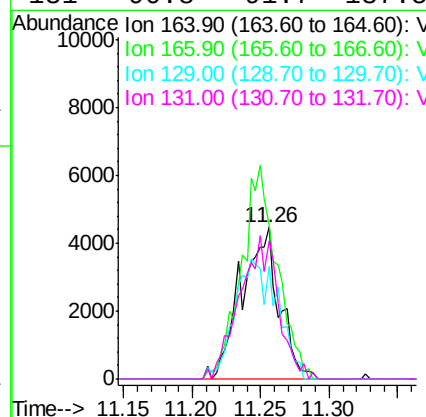
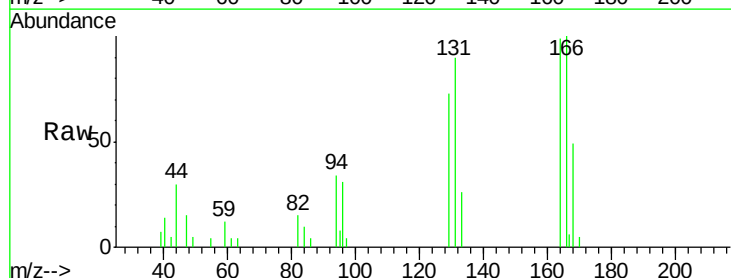
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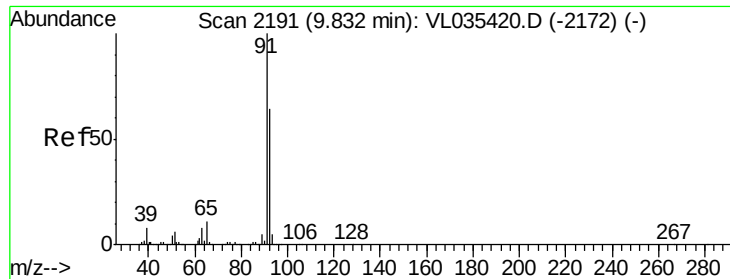
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#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 164 Resp: 8580
Ion Ratio Lower Upper
164 100
166 101.0 103.4 155.0#
129 74.1 90.2 135.4#
131 90.8 91.7 137.5#





#53

Toluene

Concen: 0.228 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035449.D

Acq: 18 Aug 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

SS-03DLDUP

Tot Ion: 91 Resp: 113084

Ion Ratio Lower Upper

91 100

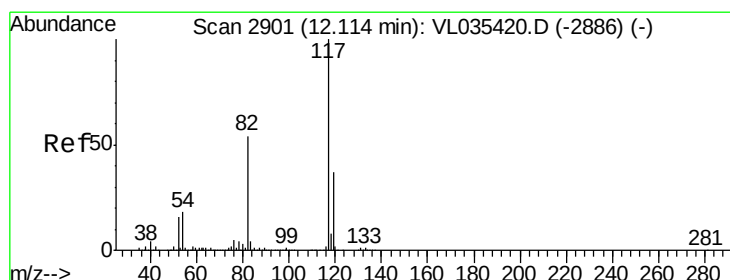
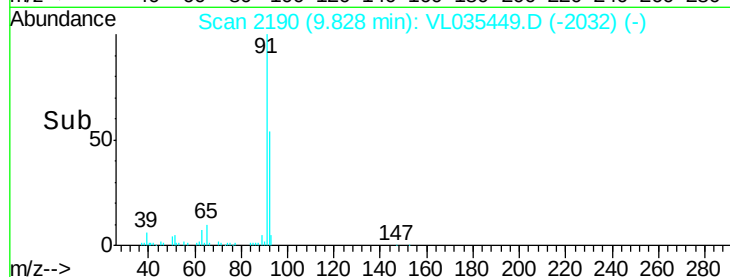
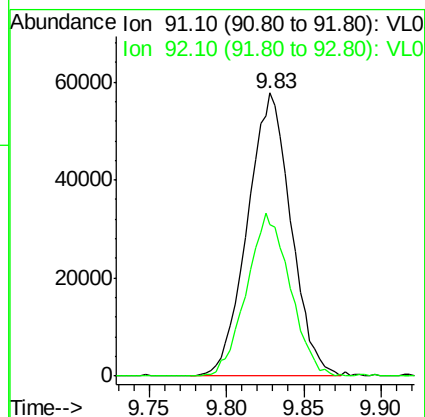
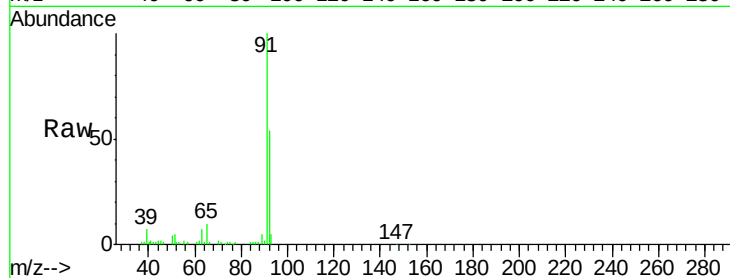
92 57.4 49.1 73.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035449.D

Acq: 18 Aug 2020 19:49

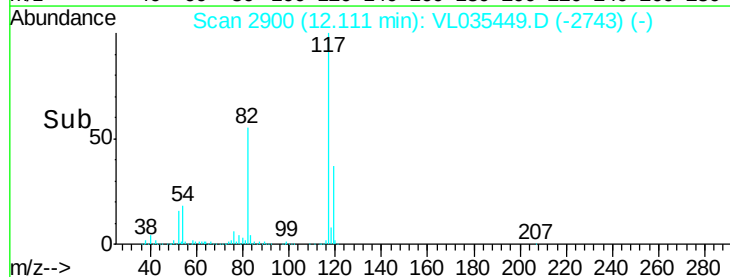
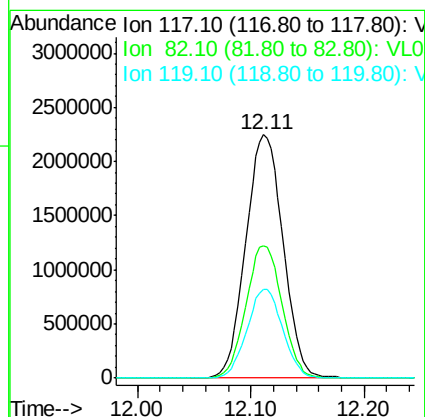
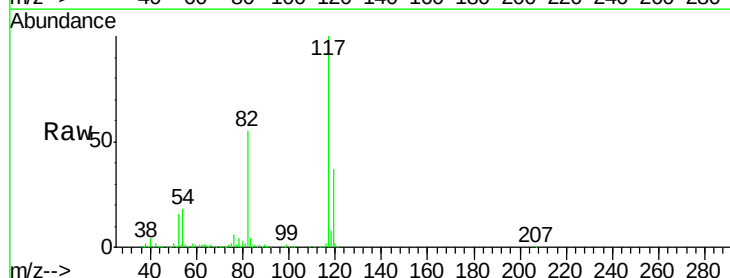
Tgt Ion: 117 Resp: 5140736

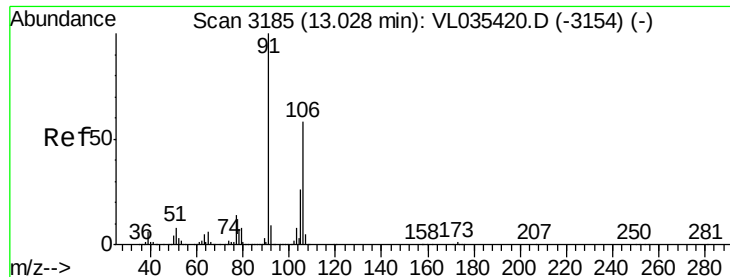
Ion Ratio Lower Upper

117 100

82 53.1 57.4 86.0#

119 35.4 28.4 42.6





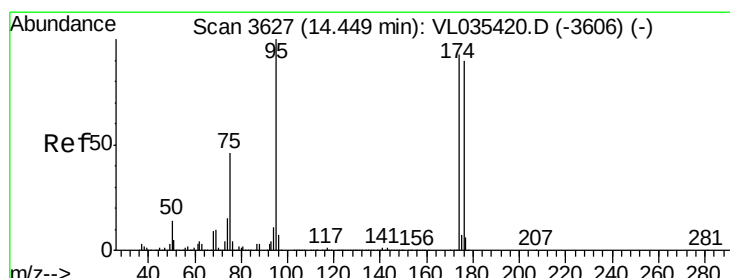
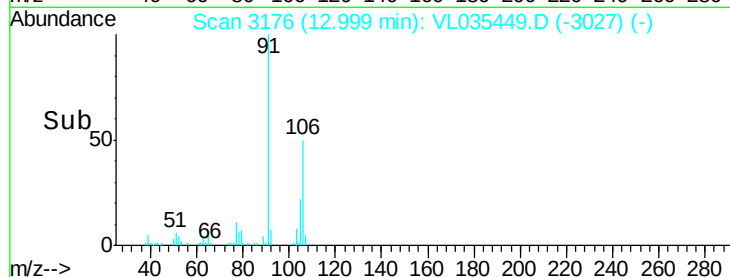
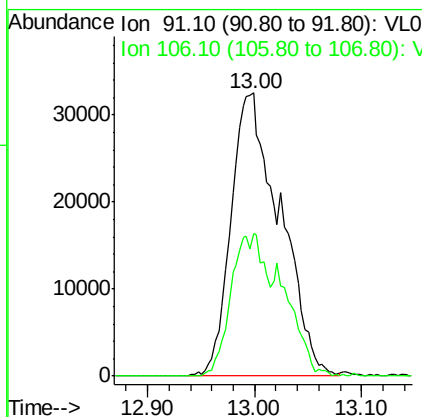
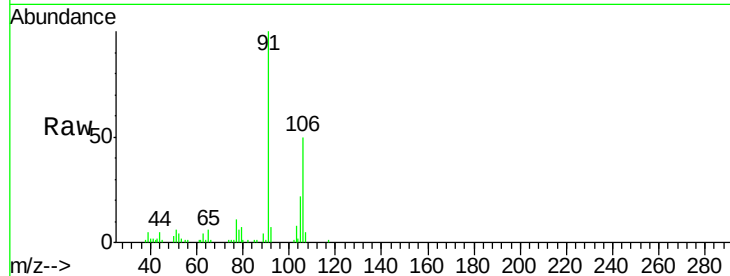
#59
m/p-Xylene
Concen: 0.197 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :
SS-03DLDUP

Tot Ion: 91 Resp: 103356
Ion Ratio Lower Upper
91 100
106 0.0 34.0 51.0#

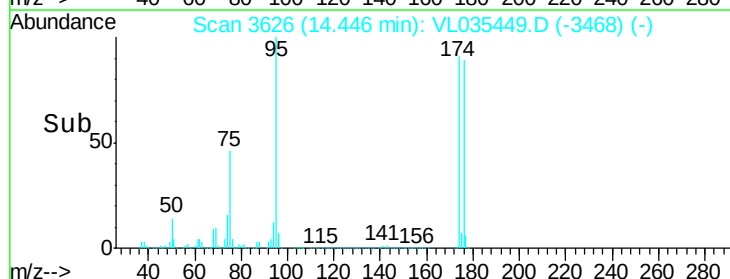
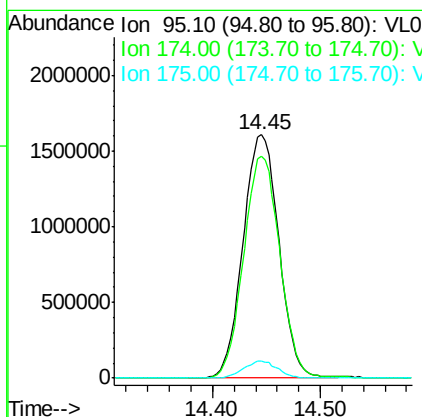
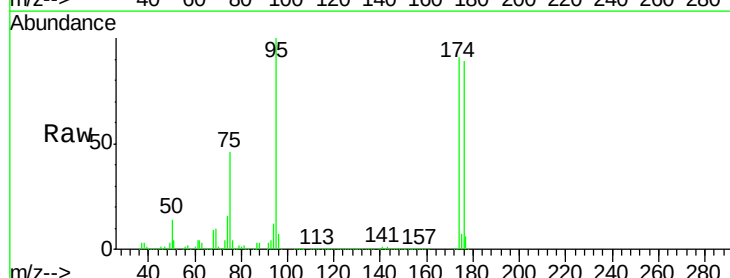
Manual Integrations
APPROVED

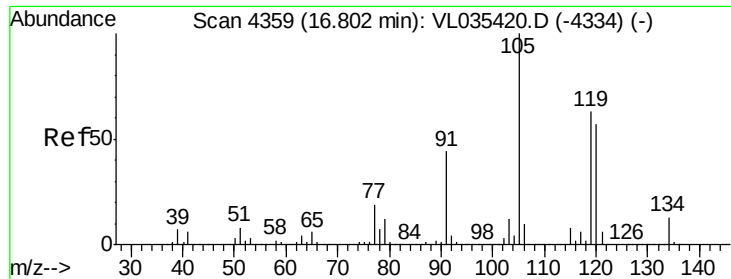
MMDadoda
8/20/2020 11:07:15 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 95 Resp: 3727767
Ion Ratio Lower Upper
95 100
174 92.3 44.0 66.0#
175 6.7 3.2 4.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.236 ppbv m
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.00 min
 Lab File: VL035449.D
 Acq: 18 Aug 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DLDUP

Tot Ion:	105	Resp:	159695
Ion Ratio	Lower	Upper	
105	100		
120	46.9	37.8	56.8
91	10.6	40.0	60.0
77	8.8	18.8	28.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:15 AM

