

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035448.D
 Acq On : 18 Aug 2020 19:11
 Operator : SY/AP
 Sample : L3725-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DL

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:13 AM

Quant Time: Aug 19 11:01:04 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	1159000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5227066	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5165592	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3747859	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	48241	0.143	ppbv	99
13) Ethanol	3.61	45	3089955	144.389	ppbv	97
15) Acetone	3.86	43	575227	4.312	ppbv #	79
17) tert-Butyl alcohol	4.32	59	65999	0.383	ppbv	99
27) Carbon Disulfide	4.56	76	61705	0.291	ppbv #	89
29) Chloroform	5.77	83	66897	0.227	ppbv	91
34) 2-Butanone	5.26	43	76485	0.438	ppbv #	71
41) Tetrahydrofuran	6.08	42	16374m	0.170	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	34341m	0.137	ppbv	
52) Tetrachloroethene	11.25	164	9142m	0.039	ppbv	
53) Toluene	9.83	91	114055	0.231	ppbv	100
59) m/p-Xylene	13.00	91	108627	0.206	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.79	105	165261	0.243	ppbv #	69

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

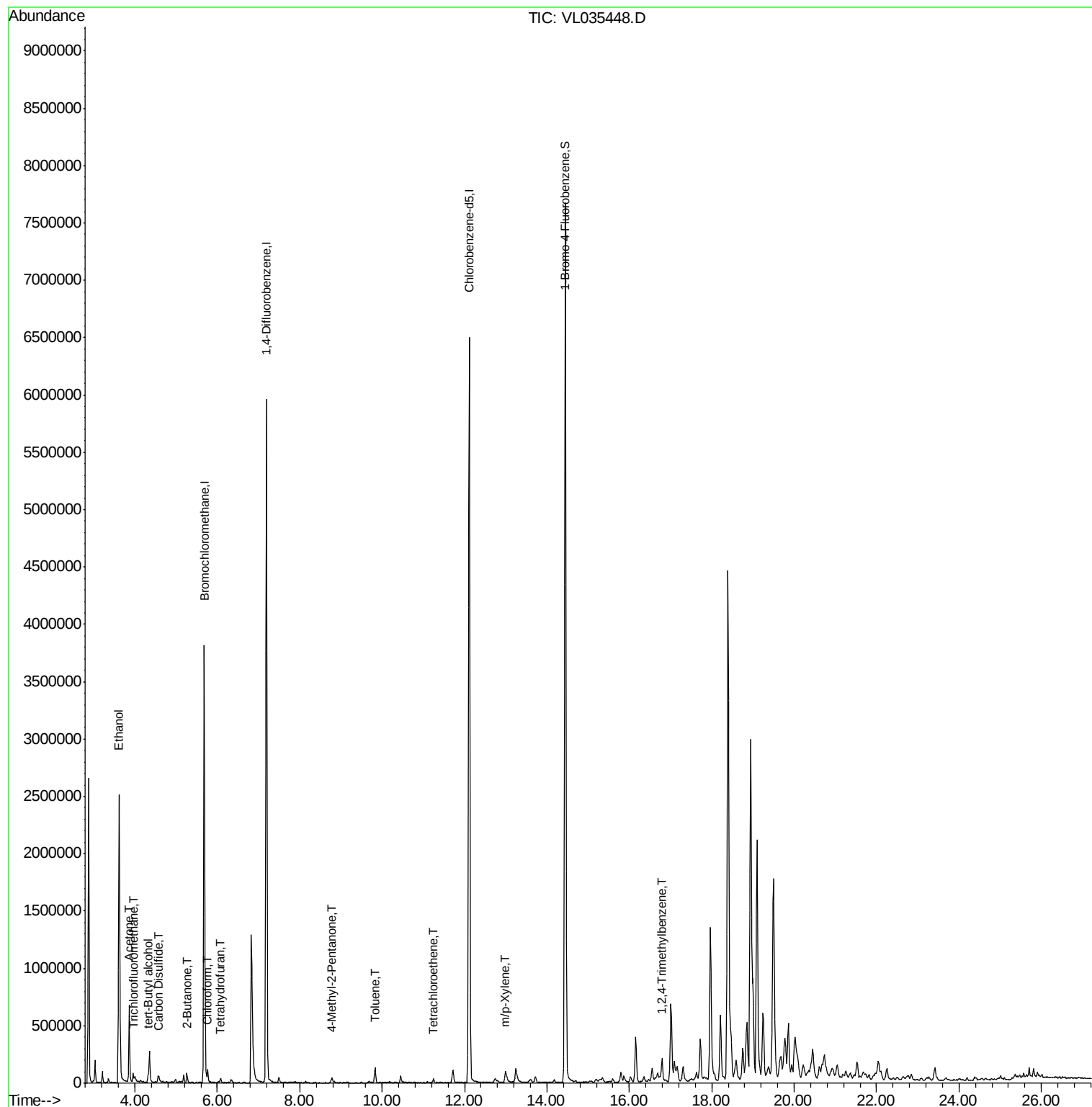
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081820\
Data File : VL035448.D
Acq On : 18 Aug 2020 19:11
Operator : SY/AP
Sample : L3725-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-03DL

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:13 AM

Quant Time: Aug 19 11:01:04 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# 900

Delta R.T. 0.01 min

Lab File: VL035448.D

Acq: 18 Aug 2020 19:11

Instrument :

MSVOA_L

ClientSampleId :

SS-03DL

Tot Ion: 49 Resp: 1159000

Ion Ratio Lower Upper

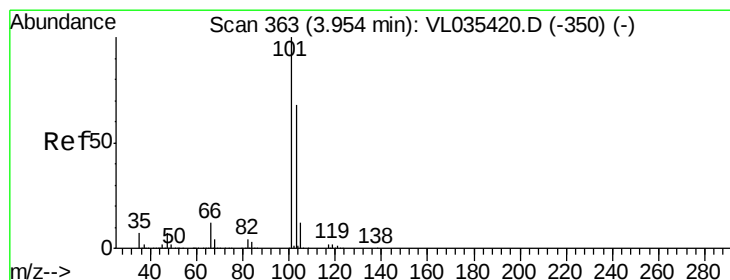
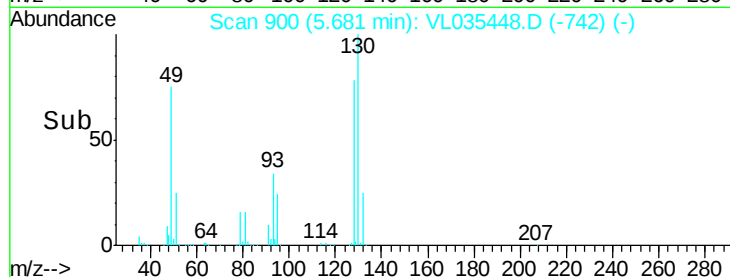
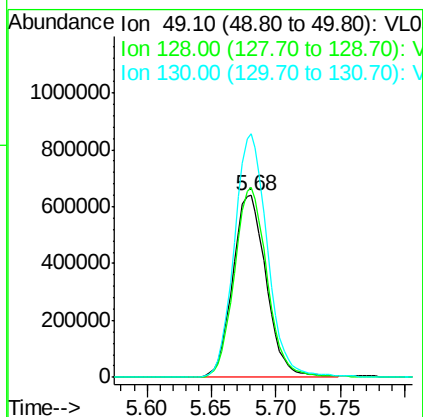
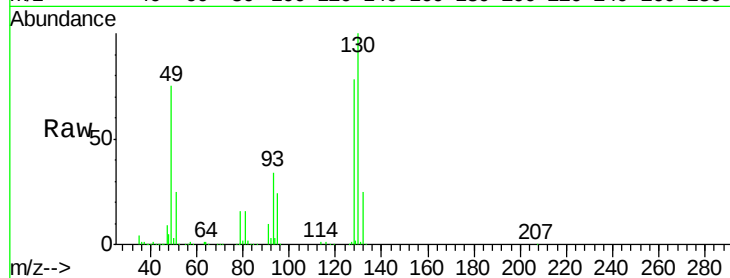
49 100

128 102.8 20.9 62.7#

130 132.8 26.7 80.1#

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:13 AM



#11

Trichlorofluoromethane

Concen: 0.143 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL035448.D

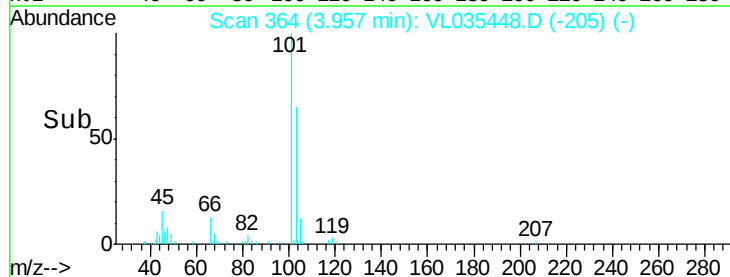
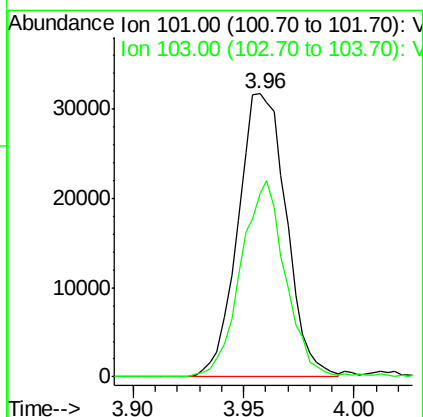
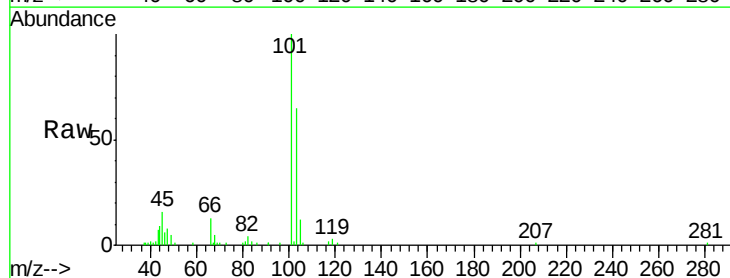
Acq: 18 Aug 2020 19:11

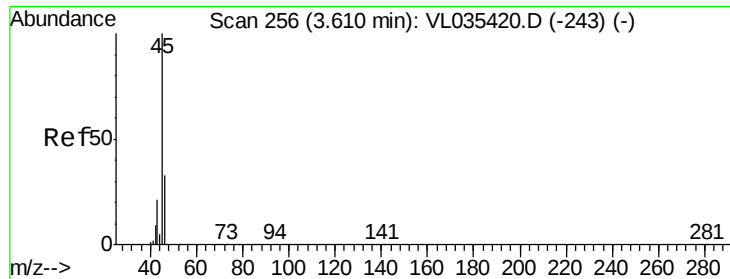
Tgt Ion: 101 Resp: 48241

Ion Ratio Lower Upper

101 100

103 65.0 52.6 78.8





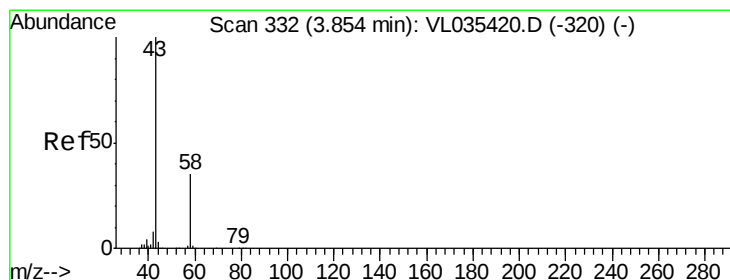
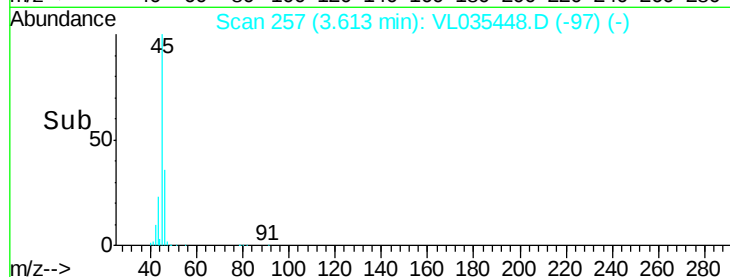
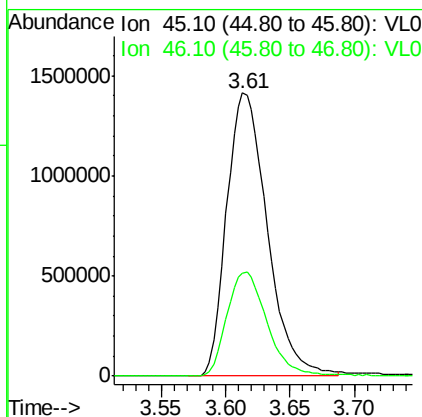
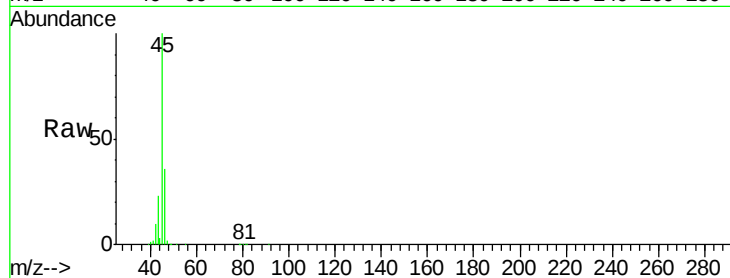
#13
Ethanol
Concen: 144.389 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Instrument :
MSVOA_L
ClientSampleId :
SS-03DL

Tot Ion: 45 Resp: 3089955
Ion Ratio Lower Upper
45 100
46 37.1 14.2 56.6

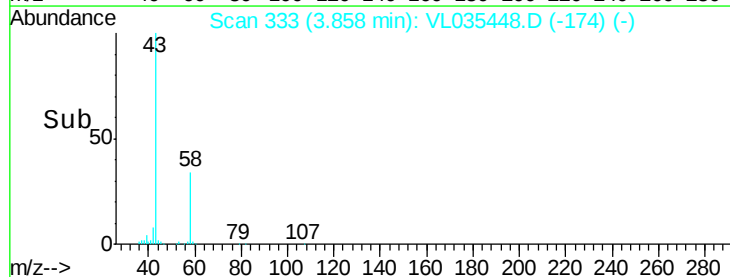
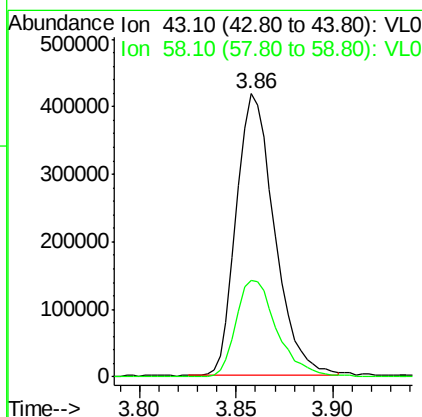
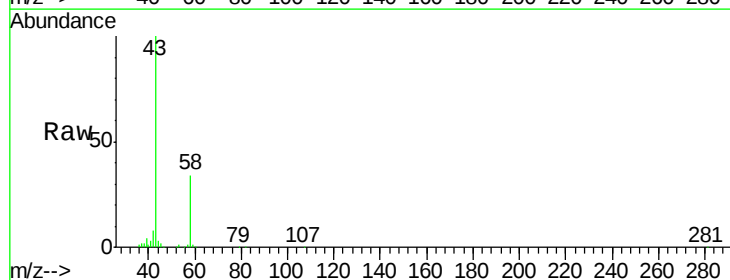
Manual Integrations
APPROVED

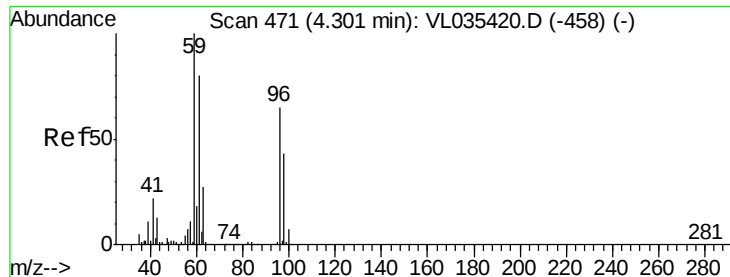
MMDadoda
8/20/2020 11:07:13 AM



#15
Acetone
Concen: 4.312 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Tgt Ion: 43 Resp: 575227
Ion Ratio Lower Upper
43 100
58 36.9 21.0 31.6#





#17

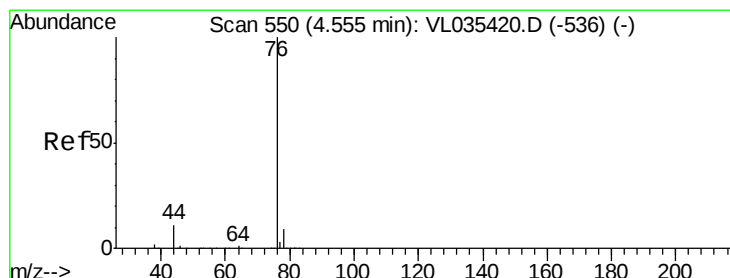
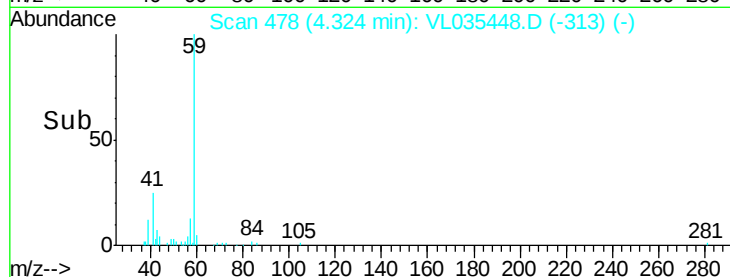
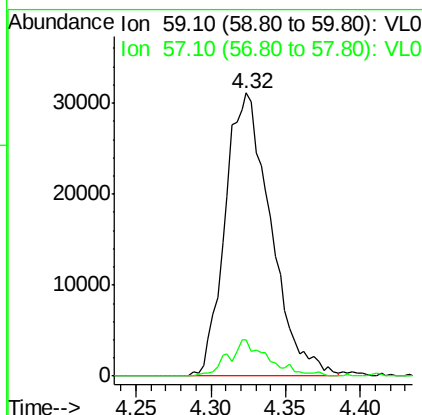
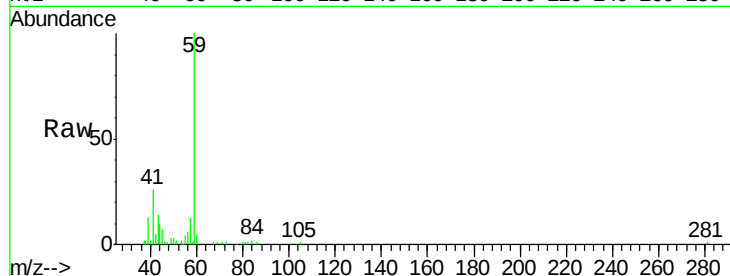
tert-Butyl alcohol
 Concen: 0.383 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.03 min
 Lab File: VL035448.D
 Acq: 18 Aug 2020 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.9	13.3

Manual Integrations
 APPROVED

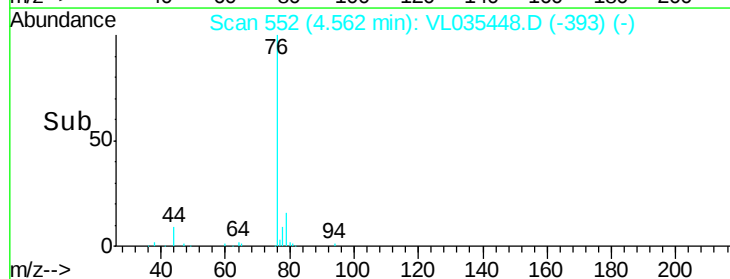
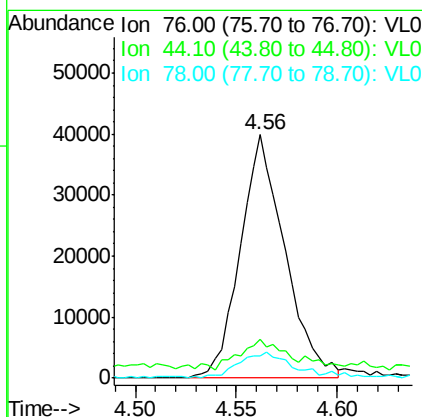
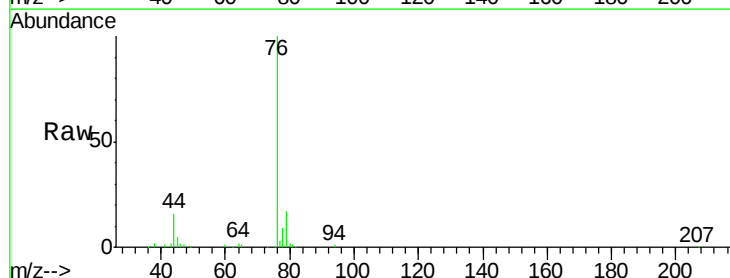
MMDadoda
 8/20/2020 11:07:13 AM

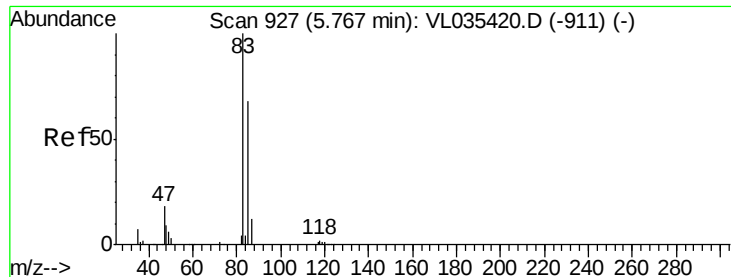


#27

Carbon Disulfide
 Concen: 0.291 ppbv
 RT: 4.56 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: VL035448.D
 Acq: 18 Aug 2020 19:11

Tgt Ion	Ratio	Lower	Upper
76	100		
44	16.3	16.8	25.2#
78	14.3	7.3	10.9#





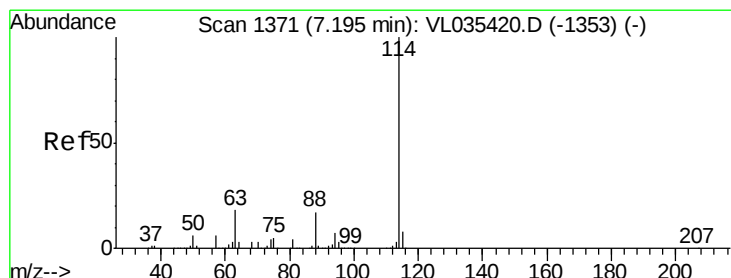
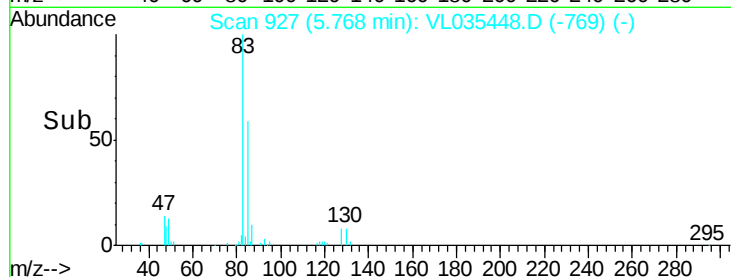
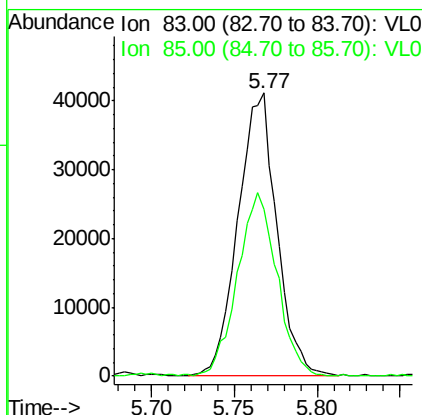
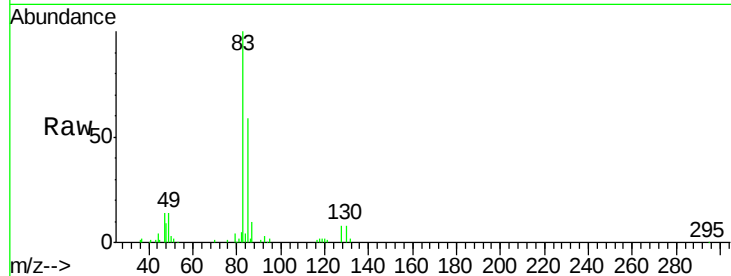
#29
Chloroform
Concen: 0.227 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Instrument :
MSVOA_L
ClientSampleId :
SS-03DL

Tot Ion	83	Resp	66897
Ion Ratio	Lower	Upper	
83	100		
85	59.0	52.7	79.1

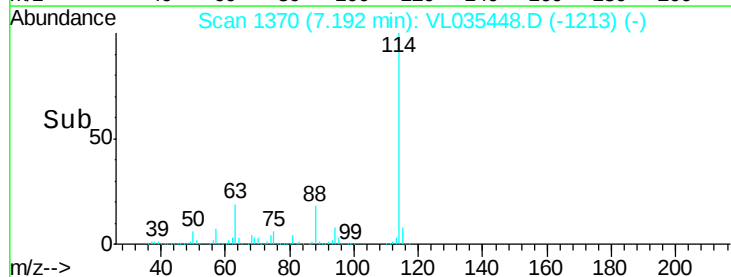
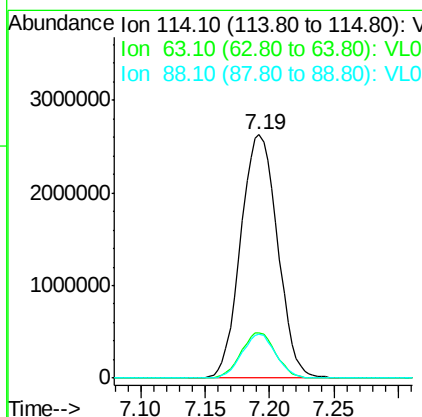
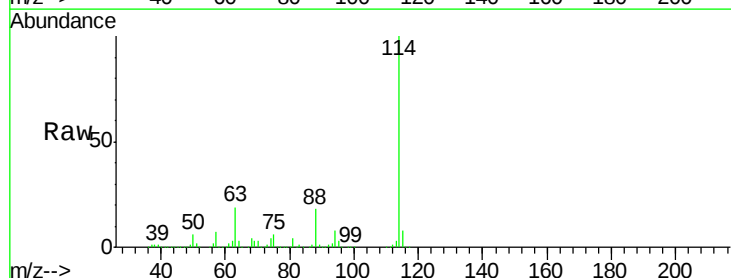
Manual Integrations
APPROVED

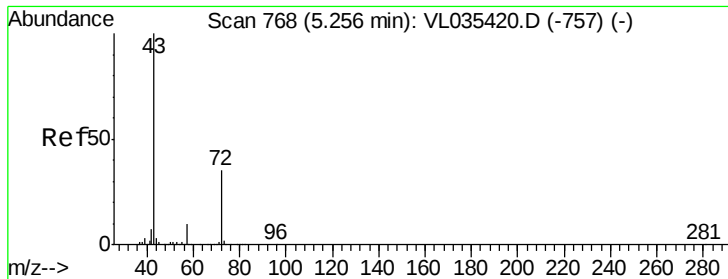
MMDadoda
8/20/2020 11:07:13 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Tgt Ion	114	Resp	5227066
Ion Ratio	Lower	Upper	
114	100		
63	17.7	23.1	34.7#
88	16.7	15.9	23.9





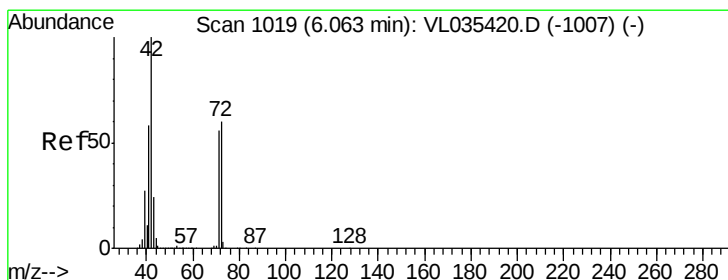
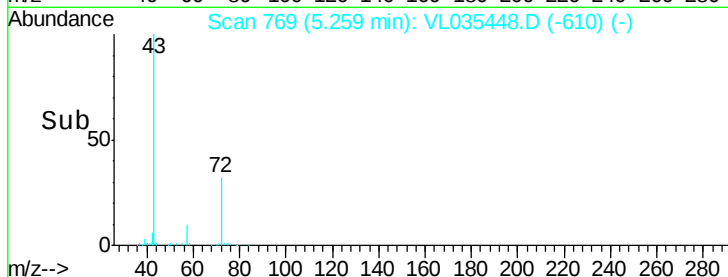
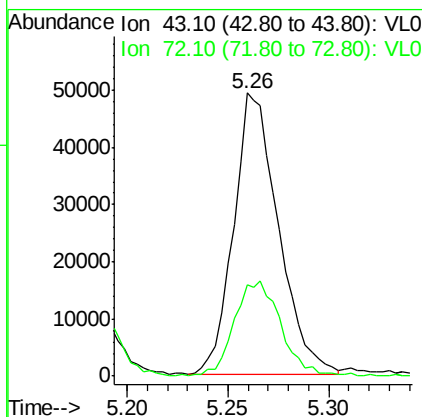
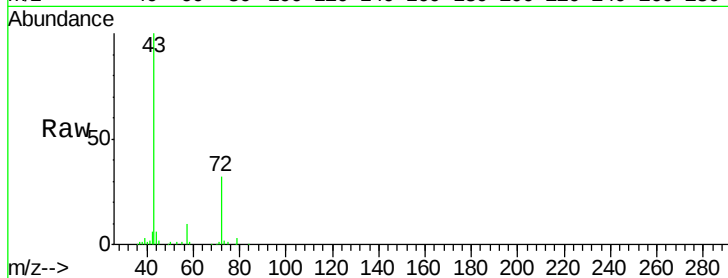
#34
2-Butanone
Concen: 0.438 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Instrument :
MSVOA_L
ClientSampled :
SS-03DL

Tot Ion: 43 Resp: 76485
Ion Ratio Lower Upper
43 100
72 35.7 17.6 26.4#

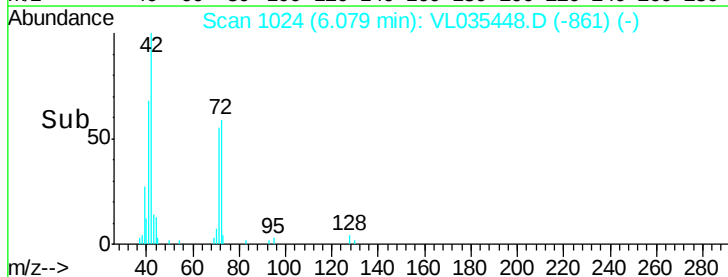
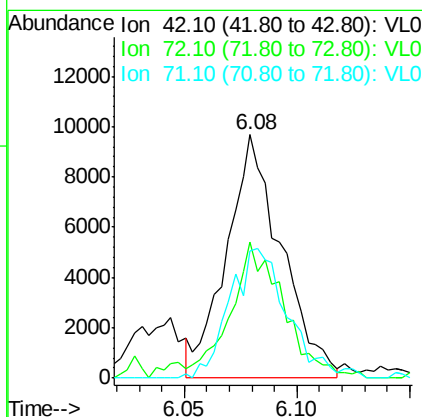
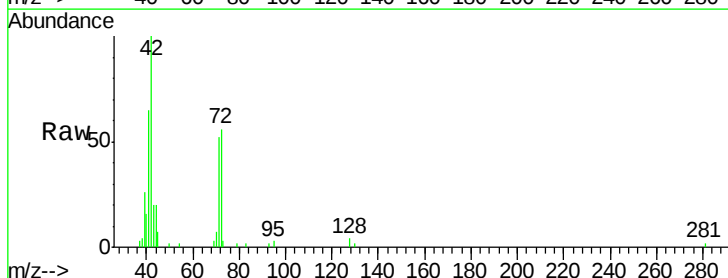
Manual Integrations
APPROVED

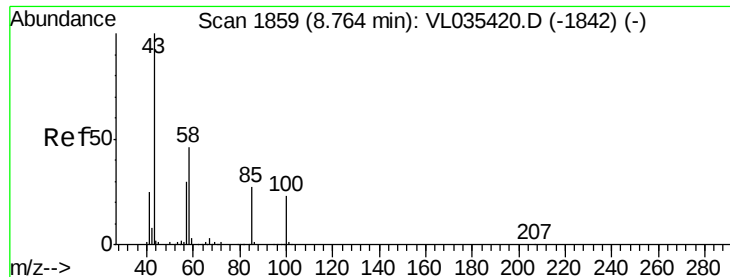
MMDadoda
8/20/2020 11:07:13 AM



#41
Tetrahydrofuran
Concen: 0.170 ppbv m
RT: 6.08 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Tgt Ion: 42 Resp: 16374
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.2#
71 0.0 28.9 43.3#





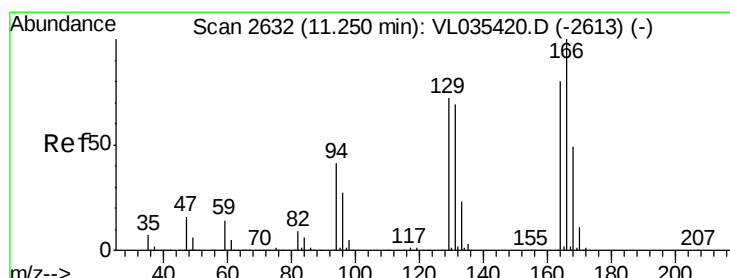
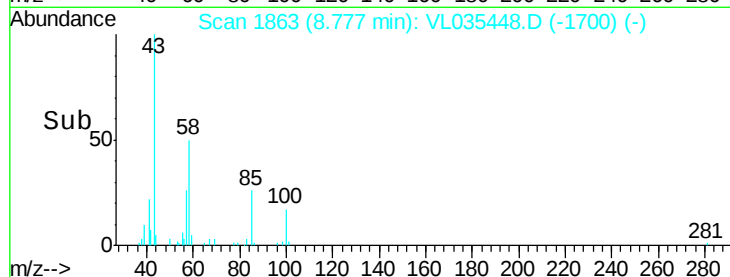
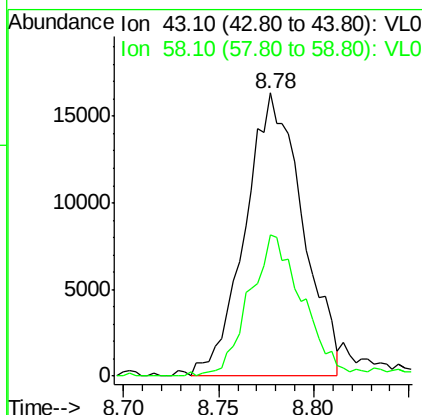
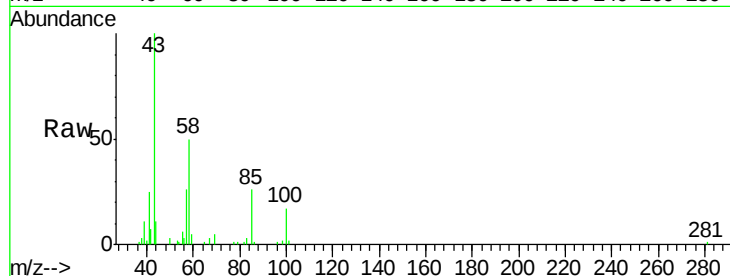
#50
4-Methyl-2-Pentanone
Concen: 0.137 ppbv m
RT: 8.78 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Instrument :
MSVOA_L
ClientSampleId :
SS-03DL

Tot Ion: 43 Resp: 34341
Ion Ratio Lower Upper
43 100
58 47.9 28.7 43.1#

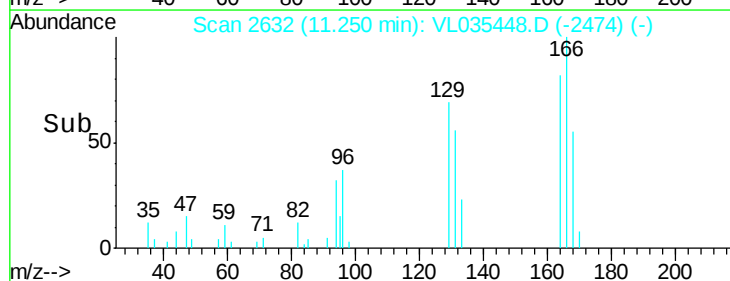
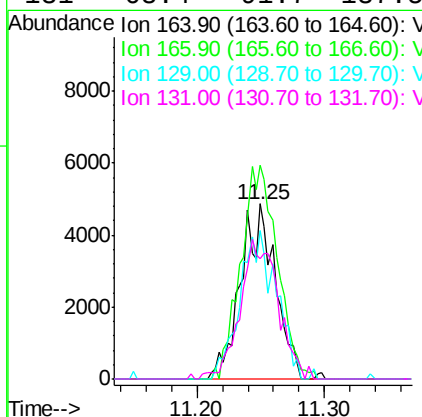
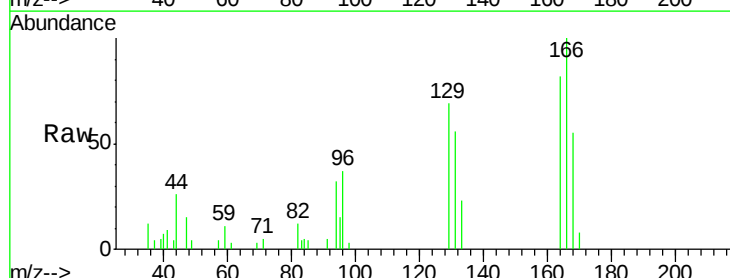
Manual Integrations
APPROVED

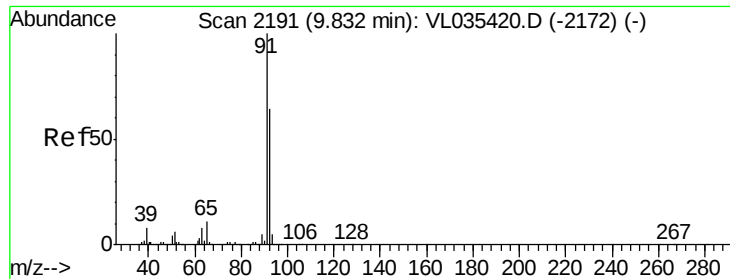
MMDadoda
8/20/2020 11:07:13 AM



#52
Tetrachloroethene
Concen: 0.039 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Tgt Ion: 164 Resp: 9142
Ion Ratio Lower Upper
164 100
166 122.0 103.4 155.0
129 84.8 90.2 135.4#
131 68.4 91.7 137.5#





#53

Toluene

Concen: 0.231 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035448.D

Acq: 18 Aug 2020 19:11

Instrument :

MSVOA_L

ClientSampleId :

SS-03DL

Tot Ion: 91 Resp: 114055

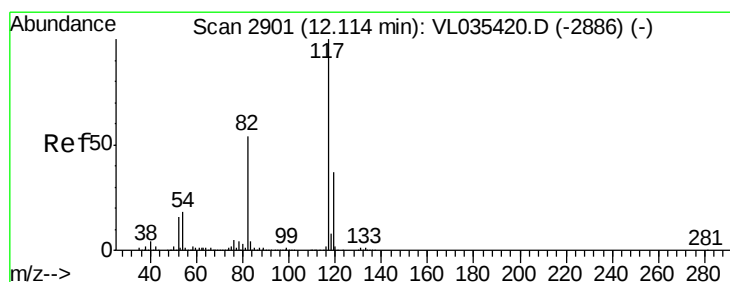
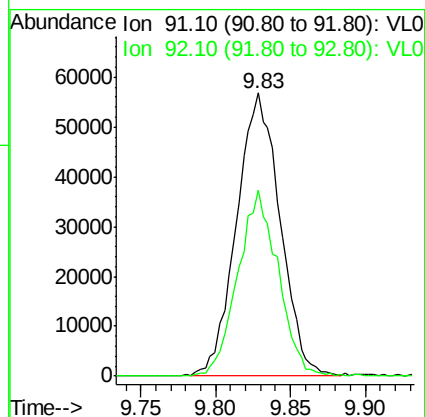
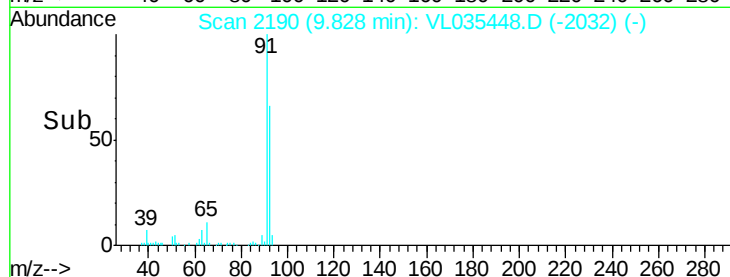
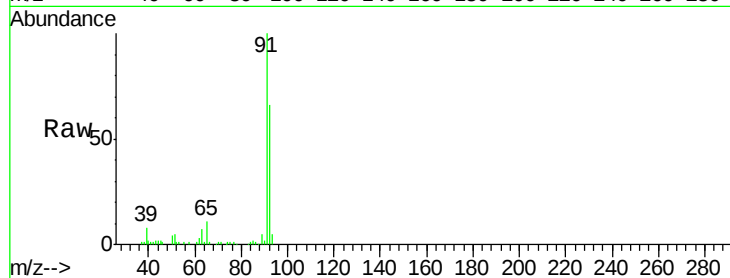
Ion Ratio Lower Upper

91 100

92 61.4 49.1 73.7

Manual Integrations
APPROVED

MMDadoda
8/20/2020 11:07:13 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.01 min

Lab File: VL035448.D

Acq: 18 Aug 2020 19:11

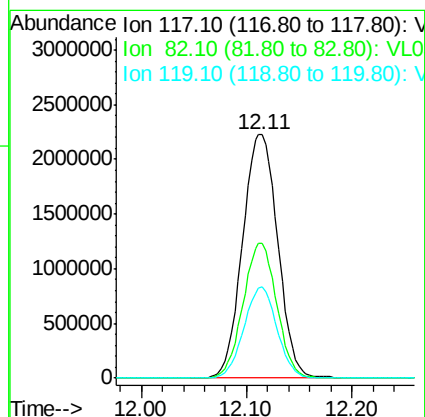
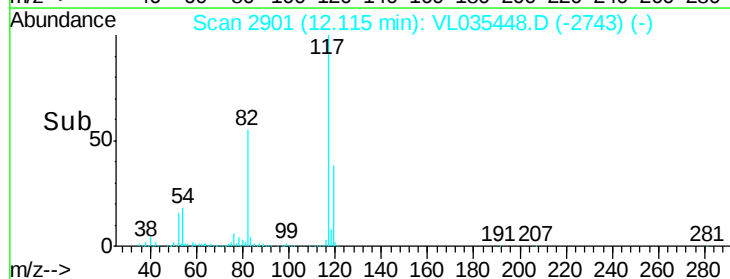
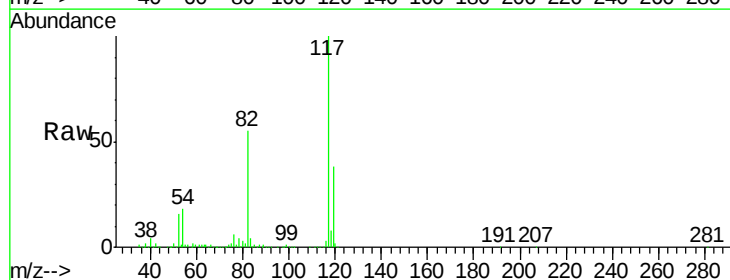
Tgt Ion: 117 Resp: 5165592

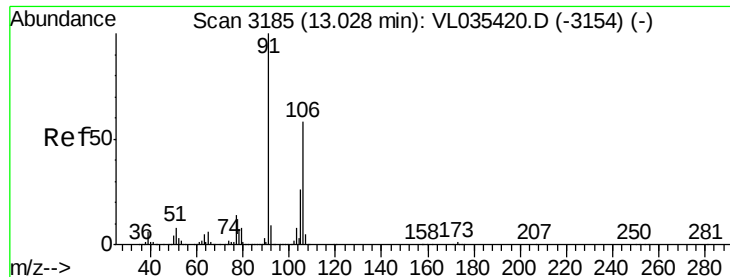
Ion Ratio Lower Upper

117 100

82 53.1 57.4 86.0#

119 35.2 28.4 42.6





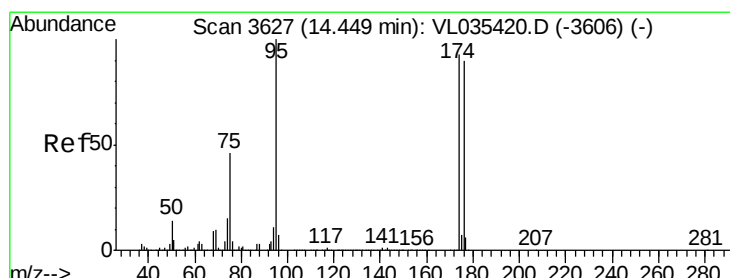
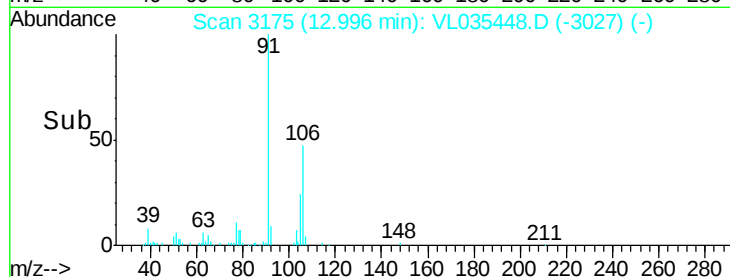
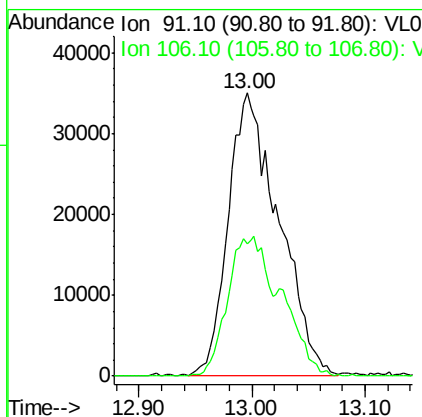
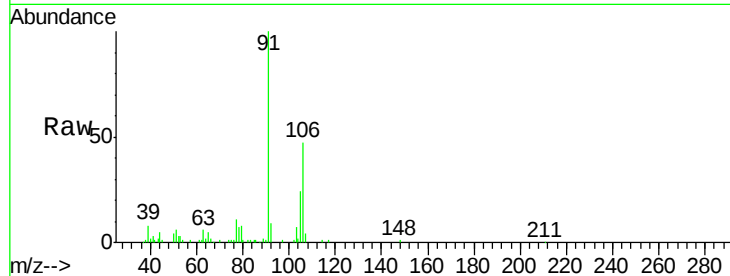
#59
m/p-Xylene
Concen: 0.206 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Instrument :
MSVOA_L
ClientSampleId :
SS-03DL

Tot Ion: 91 Resp: 108627
Ion Ratio Lower Upper
91 100
106 51.9 34.0 51.0#

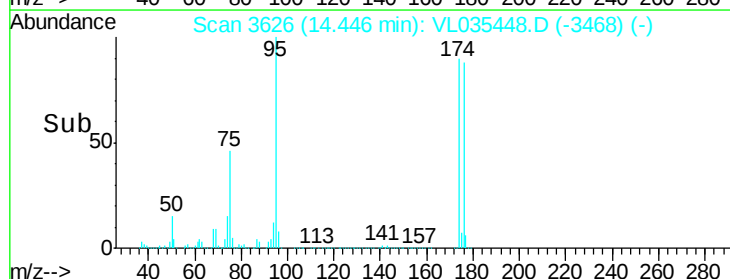
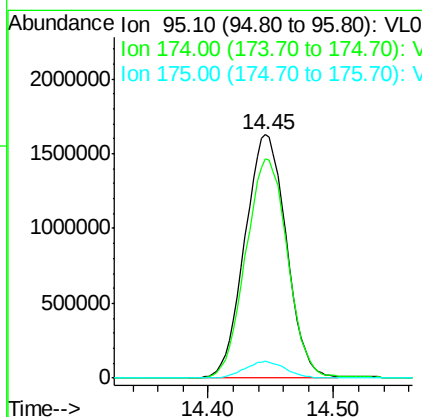
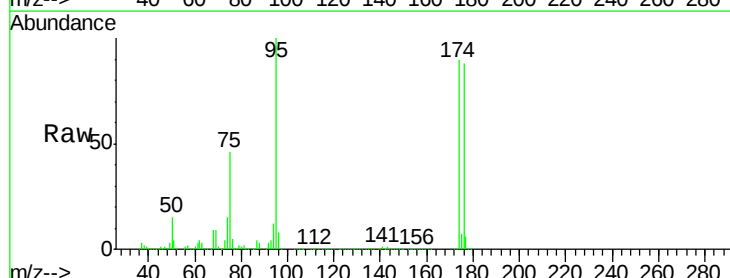
Manual Integrations
APPROVED

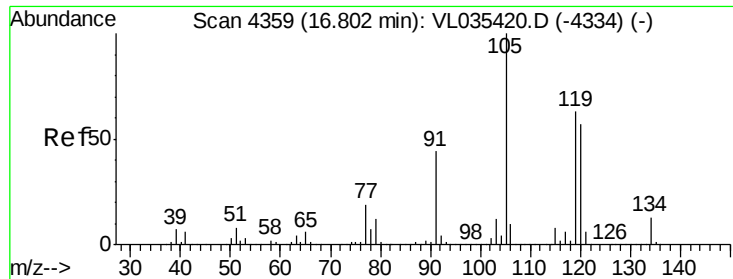
MMDadoda
8/20/2020 11:07:13 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.364 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.01 min
Lab File: VL035448.D
Acq: 18 Aug 2020 19:11

Tgt Ion: 95 Resp: 3747859
Ion Ratio Lower Upper
95 100
174 91.6 44.0 66.0#
175 6.8 3.2 4.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.243 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.00 min
 Lab File: VL035448.D
 Acq: 18 Aug 2020 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-03DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	49.2	37.8	56.8
91	9.7	40.0	60.0
77	10.2	18.8	28.2

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:07:13 AM

