

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016465.D
 Acq On : 04 Sep 2020 15:36
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:15:01 AM

Quant Time: Sep 08 01:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:59:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	692121	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	615860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	286304	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155980	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
7) Chloroethane-d5	2.90	69	145724	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
10) 1,1-Dichloroethene-d2	4.03	63	257784	15.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.08%
20) 2-Butanone-d5	7.08	46	106041	40.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.86%
24) Chloroform-d	7.65	84	351036	21.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	8.31	65	194920	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.96%
29) Benzene-d6	8.28	84	705102	22.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.08%
33) 1,2-Dichloropropane-d6	9.28	67	201650	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.68%
37) Toluene-d8	10.33	98	682458	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
38) trans-1,3-Dichloropropene-	10.58	79	99365	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.64%
39) 2-Hexanone-d5	10.93	63	83735	44.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	178228	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	241696	24.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	4720m	0.610 ug/L	
3) Chloromethane	2.22	50	4356	0.641 ug/L	98
5) Vinyl chloride	2.37	62	6820m	0.788 ug/L	
6) Bromomethane	2.79	94	4199m	0.649 ug/L	
8) Chloroethane	2.93	64	3886m	0.730 ug/L	
9) Trichlorofluoromethane	3.28	101	3942	0.556 ug/L #	57
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	8080m	0.963 ug/L	
12) 1,1-Dichloroethene	4.05	96	7792	0.914 ug/L #	1
13) Acetone	4.13	43	4725m	2.807 ug/L	
14) Carbon disulfide	4.39	76	15793	0.606 ug/L	97
15) Methyl Acetate	4.68	43	2692m	0.659 ug/L	
16) Methylene chloride	4.92	84	21798	2.018 ug/L	84
17) Methyl tert-butyl Ether	5.43	73	8306m	0.649 ug/L	
18) trans-1,2-Dichloroethene	5.43	96	5636	0.622 ug/L	94
19) 1,1-Dichloroethane	6.23	63	8762	0.568 ug/L	100
21) 2-Butanone	7.13	43	8743m	3.095 ug/L	
22) cis-1,2-Dichloroethene	7.18	96	6137	0.650 ug/L	94

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Manual Integrations
 APPROVED

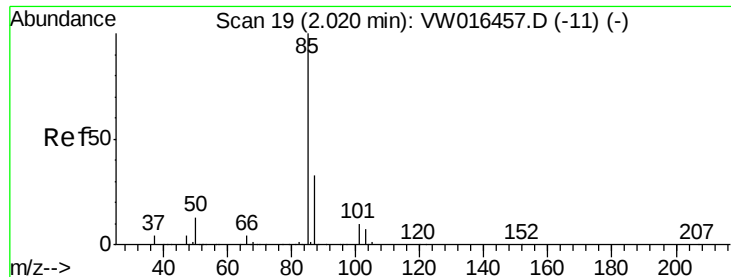
MMDadoda
 9/8/2020 10:15:01 AM

Quant Time: Sep 08 01:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.53	128	2526	0.577	ug/L #	68
25) Chloroform	7.68	83	11302m	0.708	ug/L	
27) 1,2-Dichloroethane	8.40	62	6800	0.640	ug/L #	91
30) Cyclohexane	7.96	56	9476	0.644	ug/L #	94
31) 1,1,1-Trichloroethane	7.88	97	8725	0.654	ug/L	98
32) Carbon tetrachloride	8.07	117	8066	0.632	ug/L	97
34) Benzene	8.33	78	20769	0.617	ug/L	100
35) Trichloroethene	9.09	95	5931	0.636	ug/L	95
36) Methylcyclohexane	9.34	83	9808	0.601	ug/L	95
40) 1,2-Dichloropropane	9.37	63	5058	0.608	ug/L #	93
41) Bromodichloromethane	9.65	83	7074	0.608	ug/L	80
42) cis-1,3-Dichloropropene	10.08	75	8130	0.575	ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	12787	2.169	ug/L	96
44) Toluene	10.39	91	24691	0.655	ug/L	91
45) trans-1,3-Dichloropropene	10.61	75	7421	0.588	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	4062	0.616	ug/L	82
47) Tetrachloroethene	10.87	164	4930	0.659	ug/L	92
49) 2-Hexanone	10.97	43	4520	1.101	ug/L #	95
50) Dibromochloromethane	11.13	129	4900	0.587	ug/L	88
51) 1,2-Dibromoethane	11.24	107	4069	0.617	ug/L	100
52) Chlorobenzene	11.66	112	15175	0.635	ug/L	99
53) Ethylbenzene	11.73	91	26331	0.620	ug/L	97
54) m,p-Xylene	11.85	106	10528	0.649	ug/L	93
55) o-xylene	12.17	106	9492	0.614	ug/L	97
56) Styrene	12.18	104	16174	0.609	ug/L	99
57) Isopropylbenzene	12.46	105	27707	0.655	ug/L #	84
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	5383	0.684	ug/L #	82
59) 1,2,3-Trichloropropane	12.77	75	3658m	0.622	ug/L	
62) Bromoform	12.35	173	2649	0.551	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	11755	0.652	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	11819	0.661	ug/L #	89
65) 1,2-Dichlorobenzene	13.87	146	10579	0.660	ug/L #	85
66) 1,2-Dibromo-3-chloropropan	14.49	75	988m	0.662	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	7114	0.573	ug/L	92
68) 1,2,4-trichlorobenzene	15.14	180	6308	0.587	ug/L	94
69) Naphthalene	15.37	128	11533	0.509	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.56	180	5330	0.578	ug/L	100

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



#2

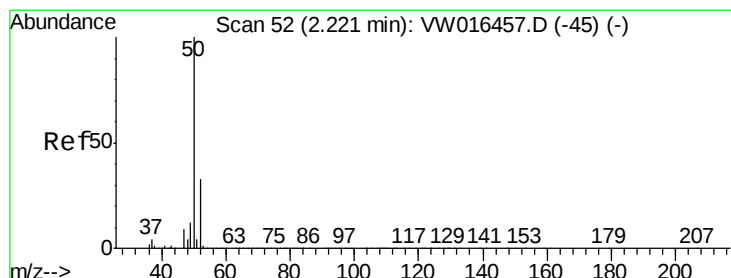
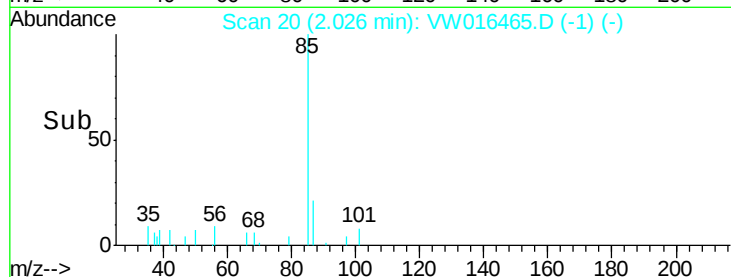
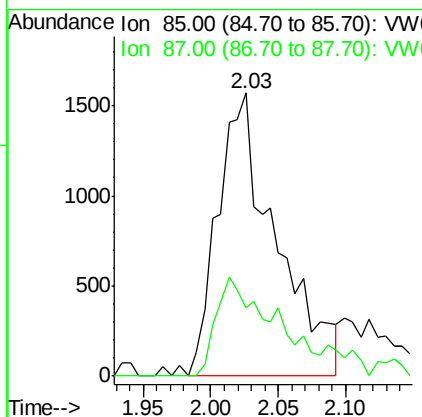
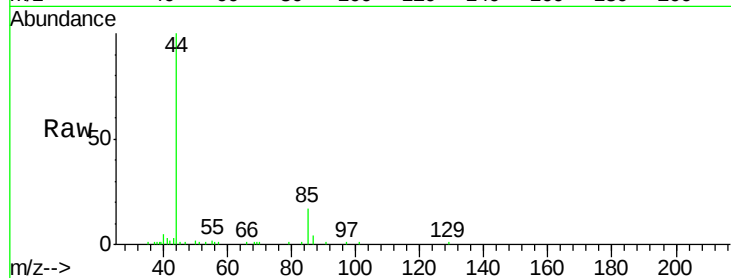
Dichlorodifluoromethane
 Concen: 0.610 ug/L m
 RT: 2.03 min Scan# 20
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	85	Resp	Lower	Upper
85	100			
87	24.9	22.3	41.5	

Manual Integrations
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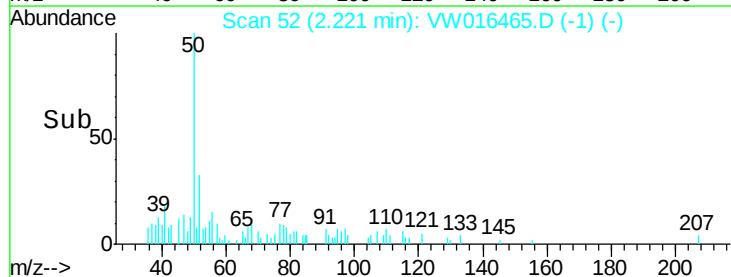
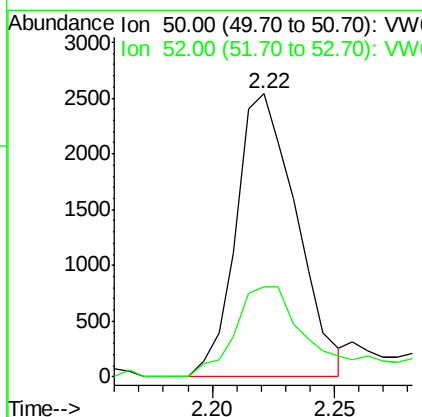
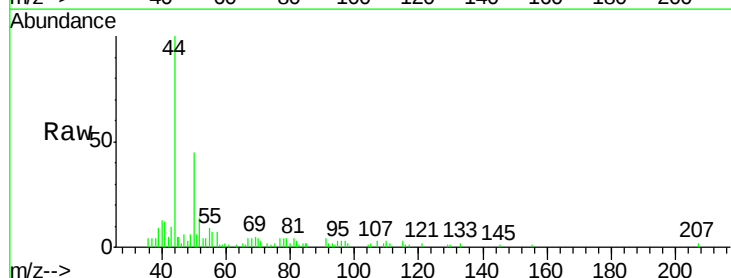
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 9/8/2020 10:15:01 AM

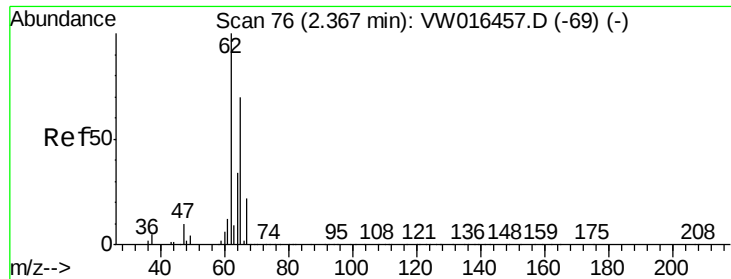


#3

Chloromethane
 Concen: 0.641 ug/L
 RT: 2.22 min Scan# 52
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	50	Resp	Lower	Upper
50	100			
52	31.7	23.0	42.6	





#5

Vinyl chloride

Concen: 0.788 ug/L m

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 62 Resp: 6820

Ion Ratio Lower Upper

62 100

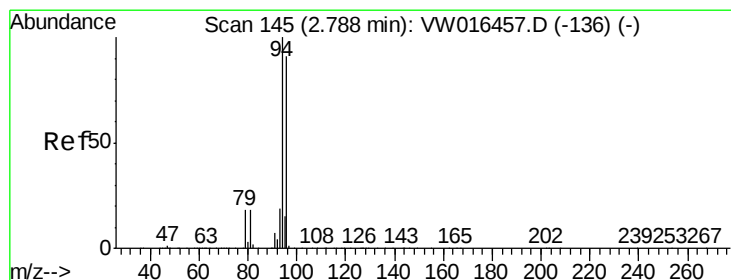
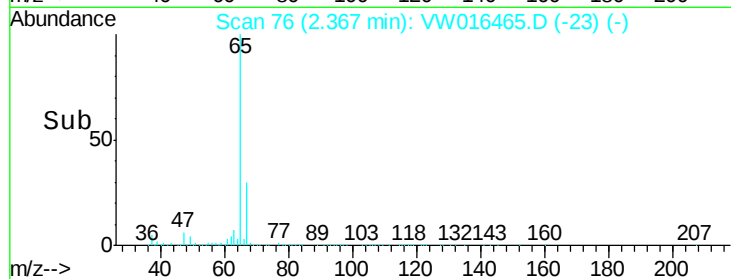
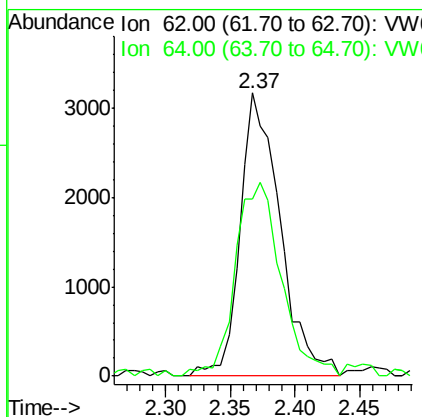
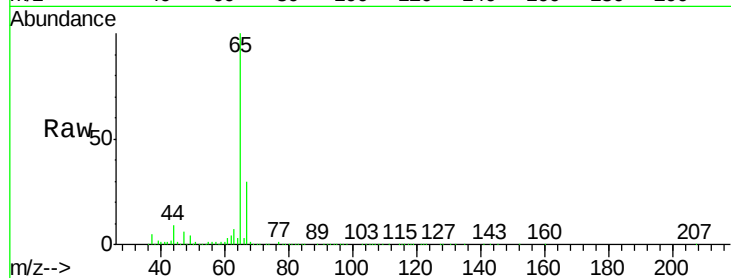
64 62.7 23.9 44.5#

Manual Integrations

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#6

Bromomethane

Concen: 0.649 ug/L m

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016465.D

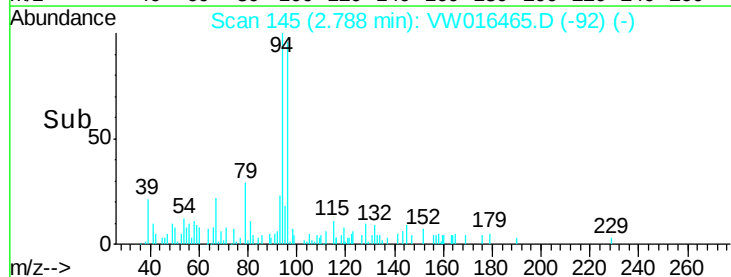
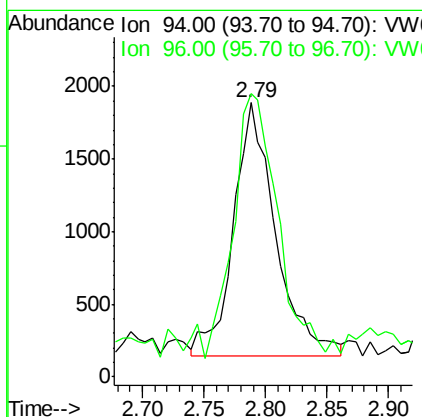
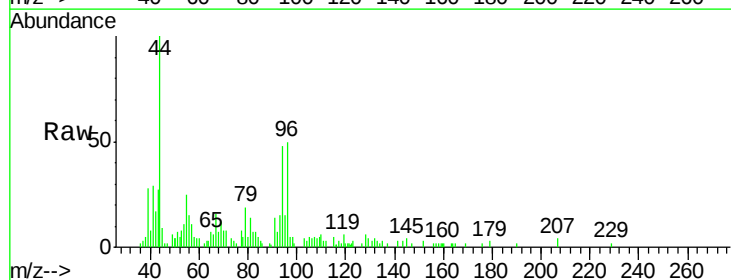
Acq: 04 Sep 2020 15:36

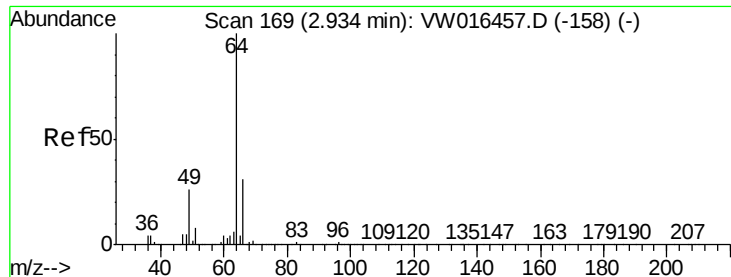
Tgt Ion: 94 Resp: 4199

Ion Ratio Lower Upper

94 100

96 108.4 9.4 178.2





#8

Chloroethane

Concen: 0.730 ug/L m

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 64 Resp: 3886

Ion Ratio Lower Upper

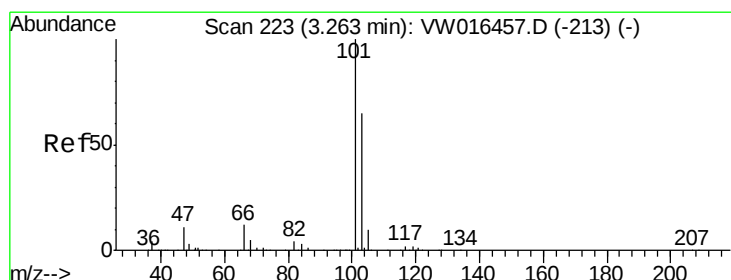
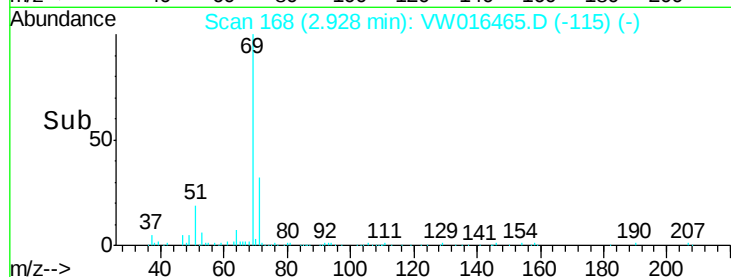
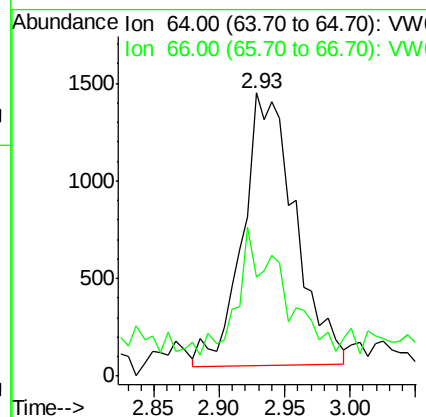
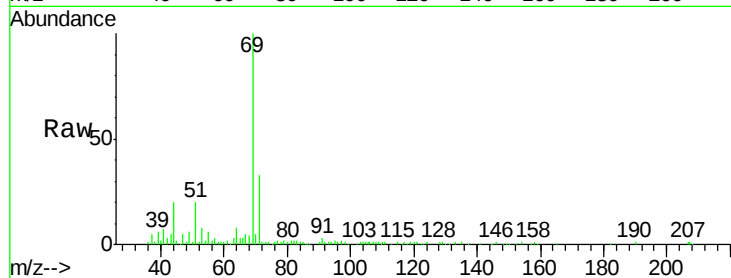
64 100

66 35.0 22.4 41.6

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.556 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.00 min

Lab File: VW016465.D

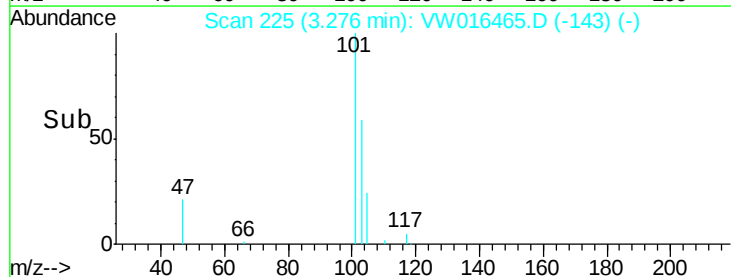
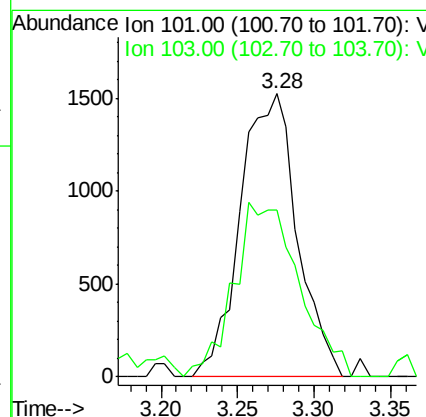
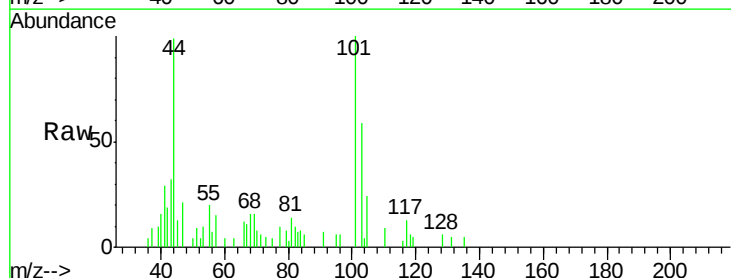
Acq: 04 Sep 2020 15:36

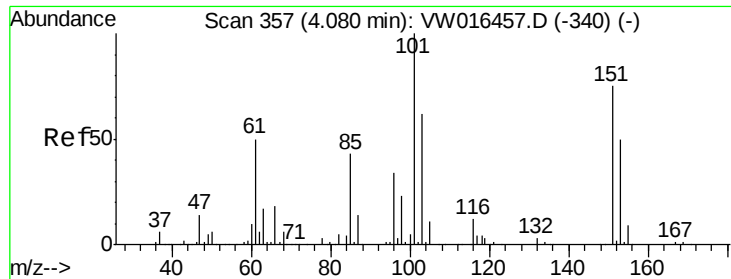
Tgt Ion: 101 Resp: 3942

Ion Ratio Lower Upper

101 100

103 30.6 45.1 83.7#





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.963 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

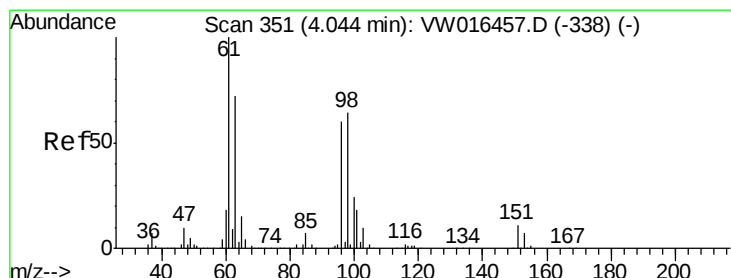
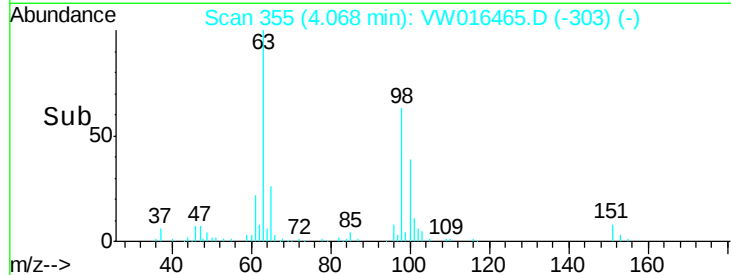
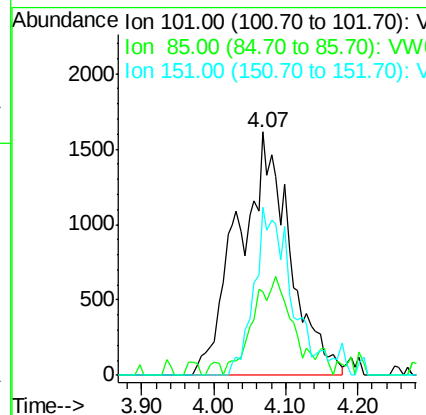
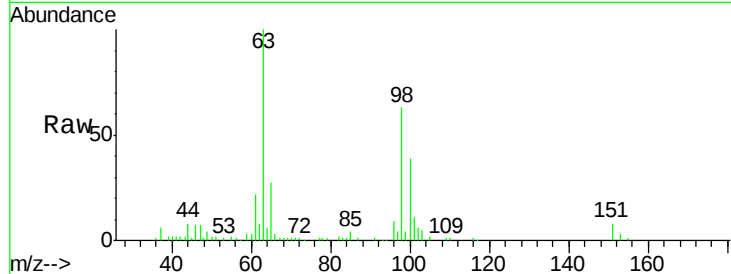
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	8080
Ion Ratio	Lower	Upper	
101	100		
85	15.3	33.4	50.0#
151	15.5	61.6	92.4#

Manual Integrations
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9/8/2020 10:15:01 AM



#12

1,1-Dichloroethene

Concen: 0.914 ug/L

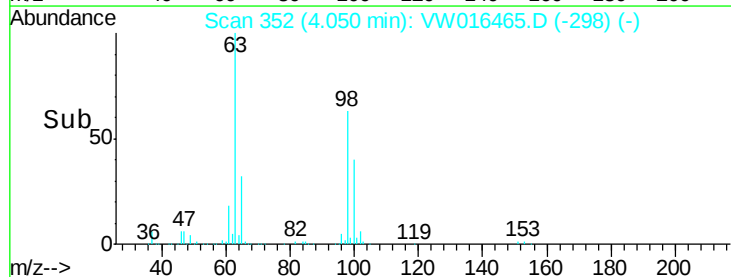
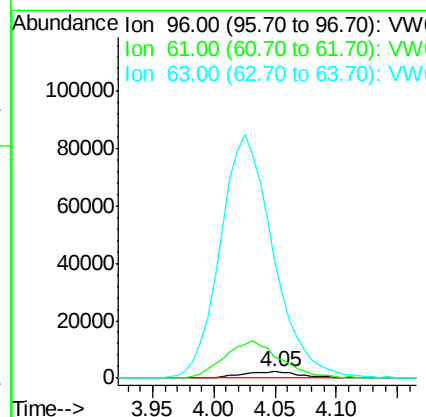
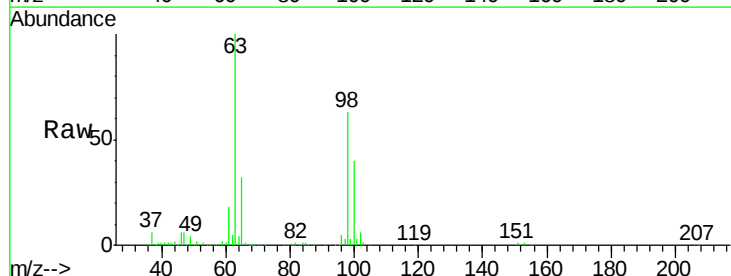
RT: 4.05 min Scan# 352

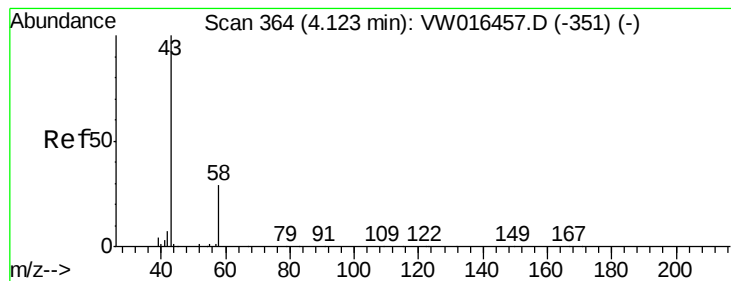
Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Tgt Ion:	96	Resp:	7792
Ion Ratio	Lower	Upper	
96	100		
61	332.4	116.5	216.3#
63	1824.2	81.1	150.5#





#13

Acetone

Concen: 2.807 ug/L m

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 4725

Ion Ratio Lower Upper

43 100

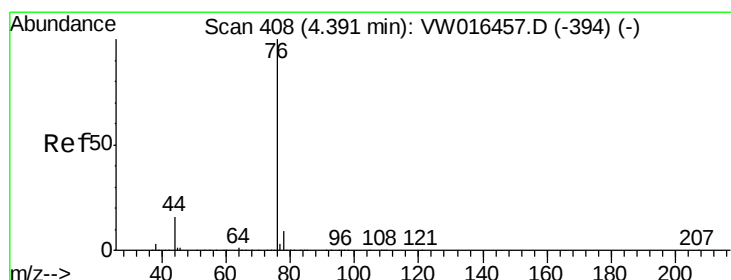
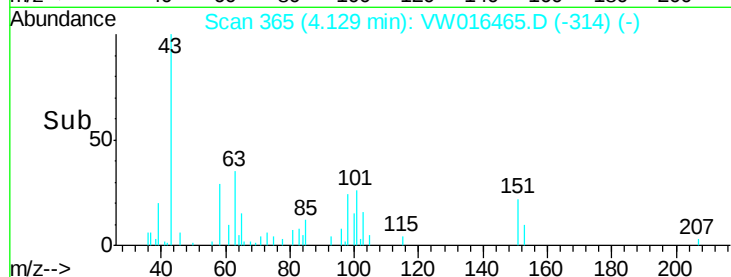
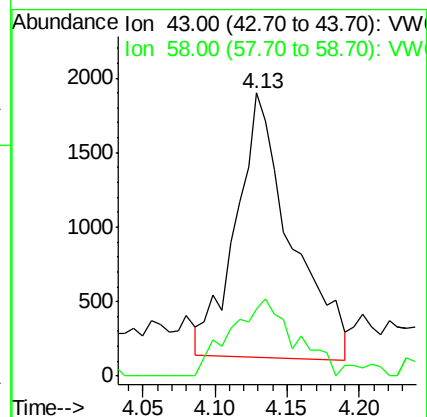
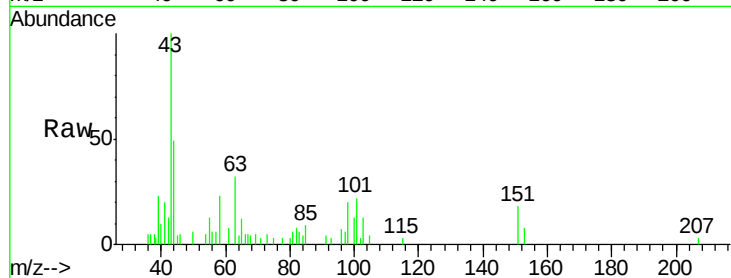
58 27.8 0.0 63.0

Manual Integrations

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9/8/2020 10:15:01 AM



#14

Carbon disulfide

Concen: 0.606 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016465.D

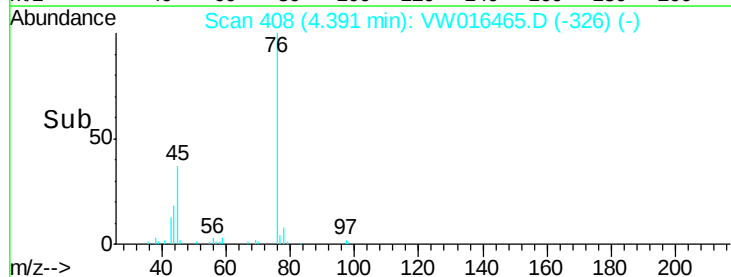
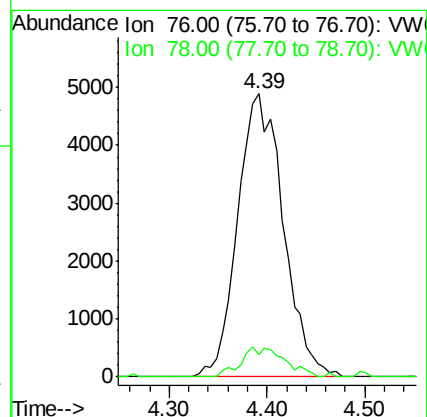
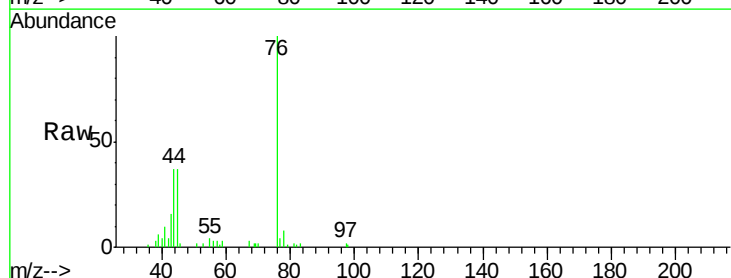
Acq: 04 Sep 2020 15:36

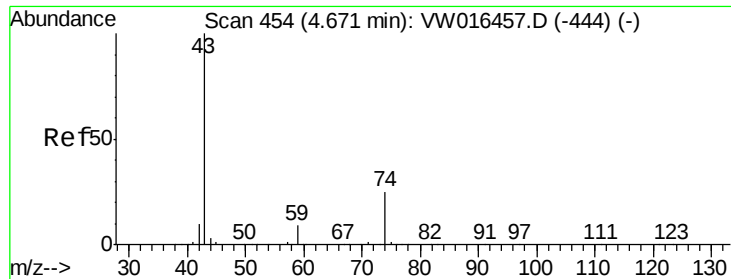
Tgt Ion: 76 Resp: 15793

Ion Ratio Lower Upper

76 100

78 7.8 7.3 10.9





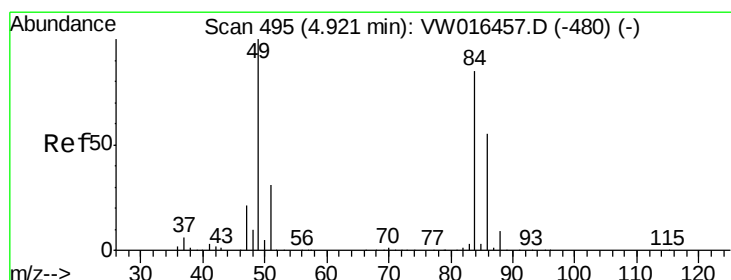
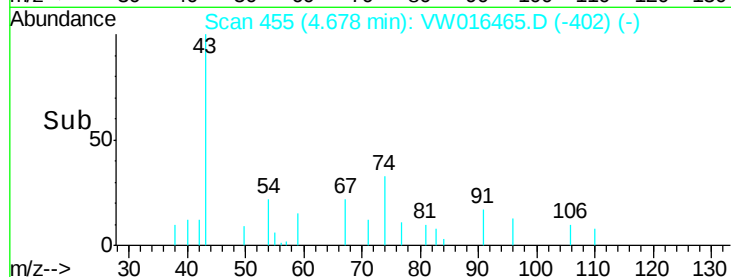
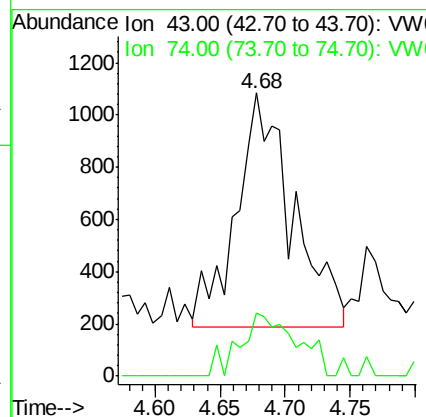
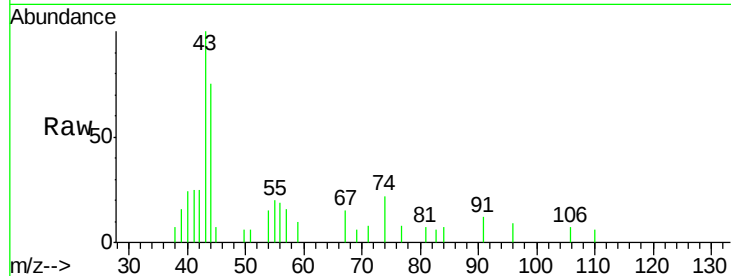
#15
Methyl Acetate
Concen: 0.659 ug/L m
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion: 43 Resp: 2692
Ion Ratio Lower Upper
43 100
74 1.6 18.9 28.3#

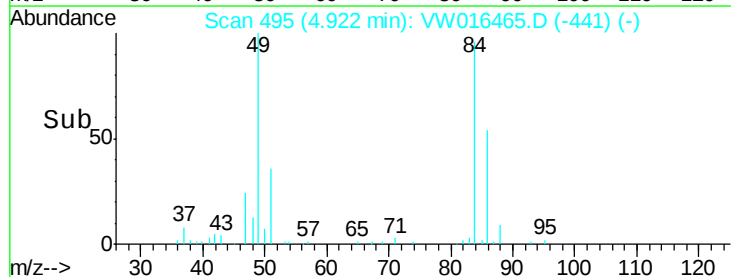
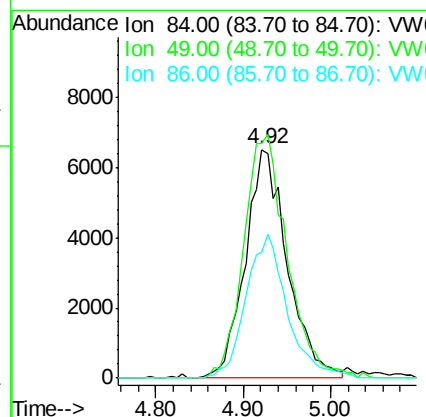
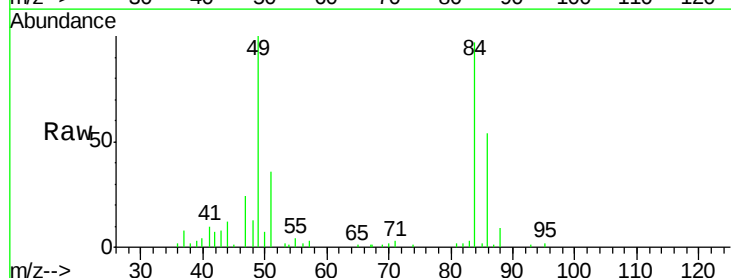
Manual Integrations
APPROVED

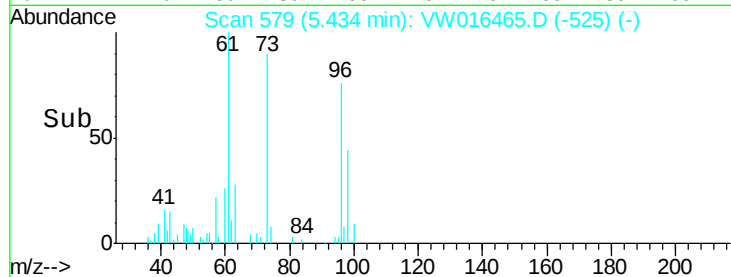
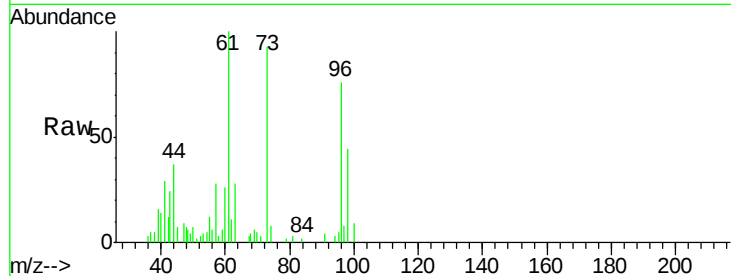
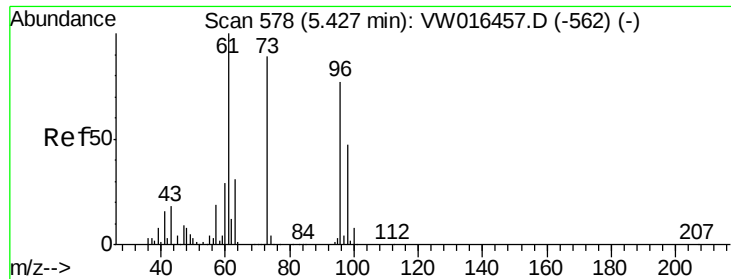
MMDadoda
9/8/2020 10:15:01 AM



#16
Methylene chloride
Concen: 2.018 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion: 84 Resp: 21798
Ion Ratio Lower Upper
84 100
49 102.7 86.7 160.9
86 55.2 44.9 83.5





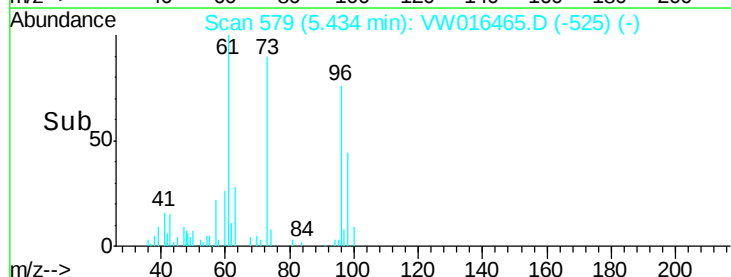
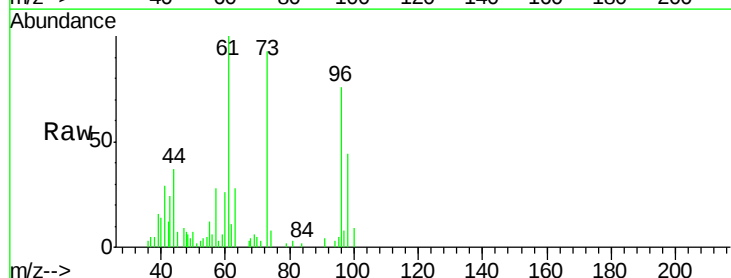
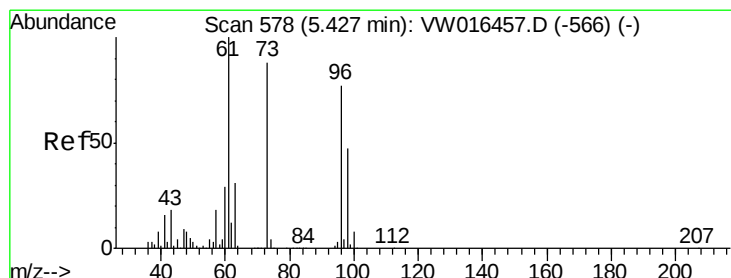
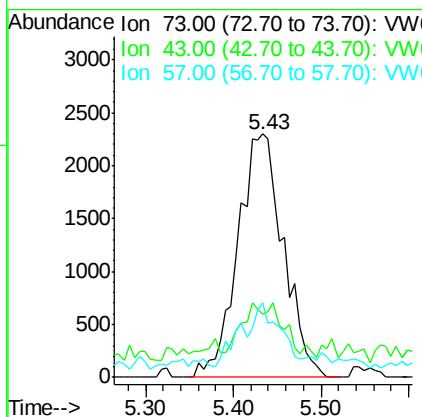
#17
Methvl tert-butvl Ether
Concen: 0.649 ug/L m
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tot Ion	Ratio	Resp	Lower	Upper
73	100	8306		
43	9.2	17.9	26.9#	
57	6.5	17.4	26.0#	

Instrument :
MSVOA_W
ClientSampleId :
MDL07

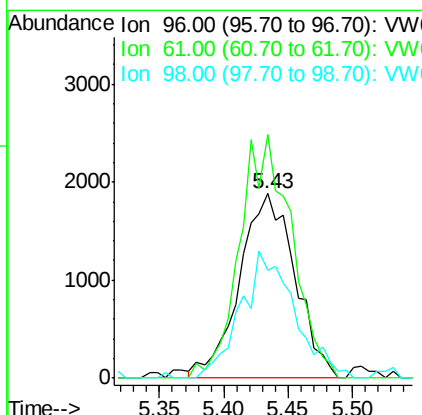
Manual Integrations
APPROVED

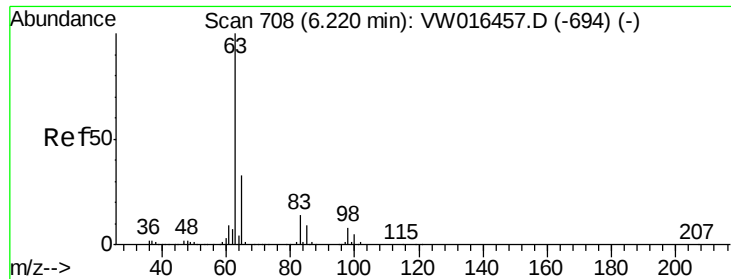
MMDadoda
9/8/2020 10:15:01 AM



#18
trans-1,2-Dichloroethene
Concen: 0.622 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	5636		
61	132.1	96.4	179.0	
98	58.5	45.1	83.7	





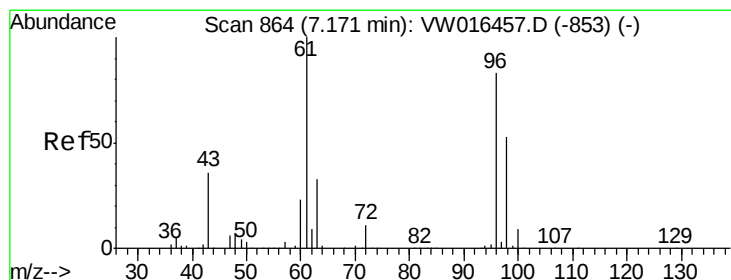
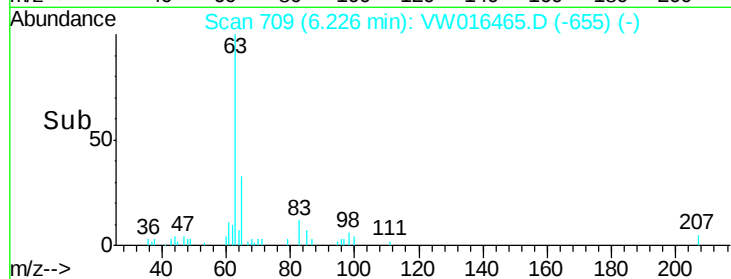
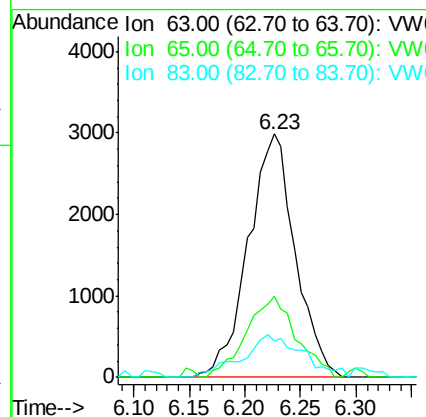
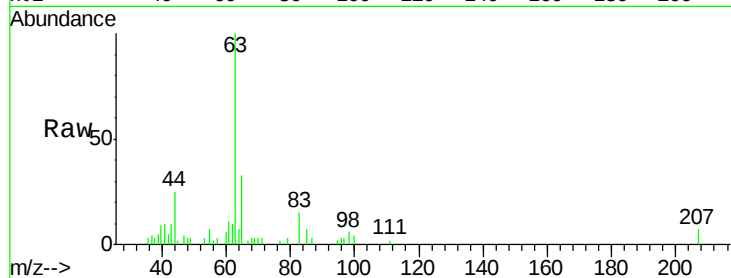
#19
 1,1-Dichloroethane
 Concen: 0.568 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.2	23.3	43.3
83	14.8	10.3	19.1

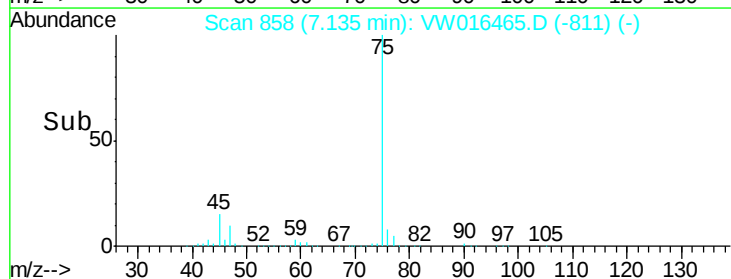
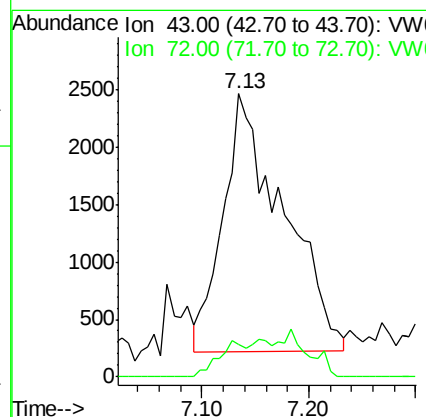
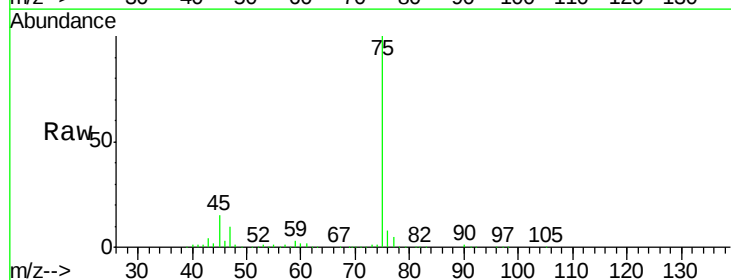
Manual Integrations
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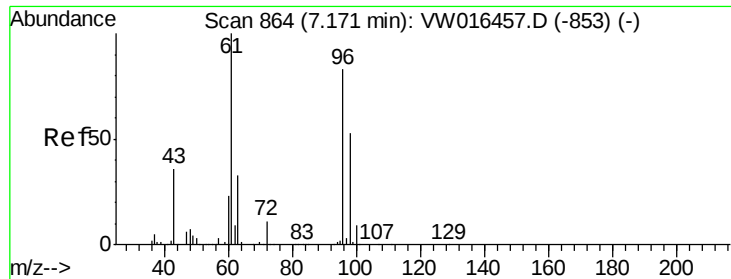
MMDadoda
 9/8/2020 10:15:01 AM



#21
 2-Butanone
 Concen: 3.095 ug/L m
 RT: 7.13 min Scan# 858
 Delta R.T. -0.04 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.6	13.5	40.4#





#22

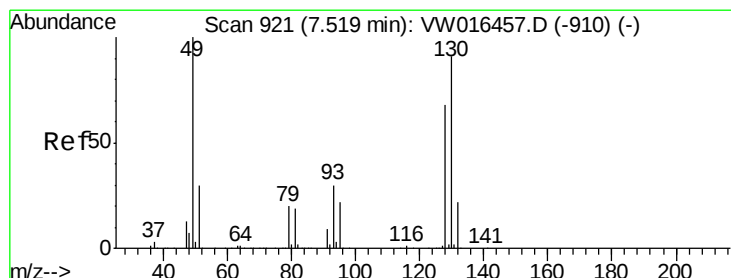
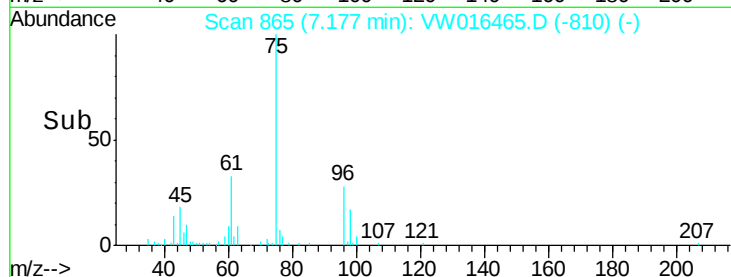
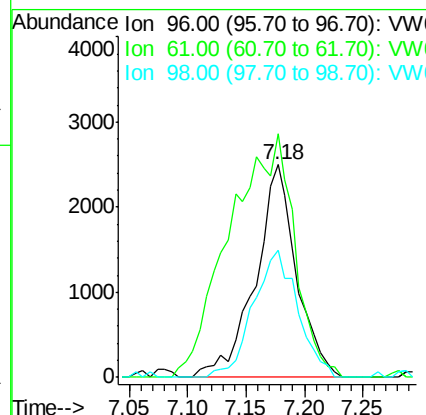
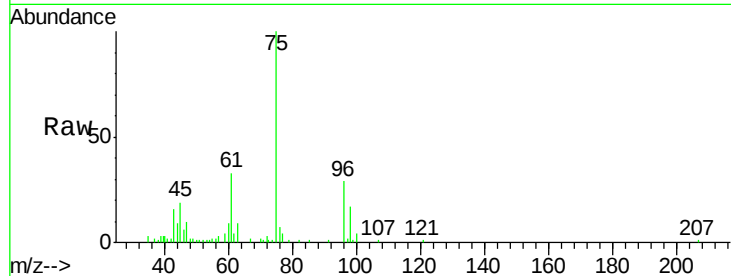
cis-1,2-Dichloroethene
 Concen: 0.650 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.6	86.1	159.9
98	60.0	44.1	81.9

Manual Integrations
 APPROVED

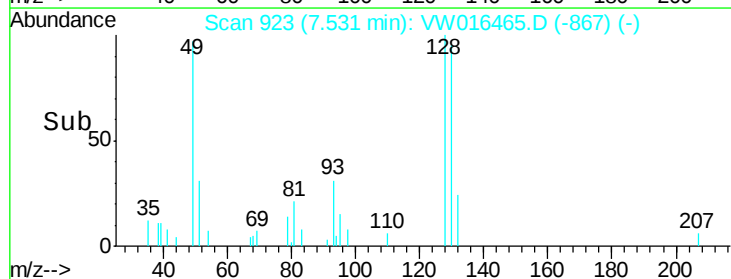
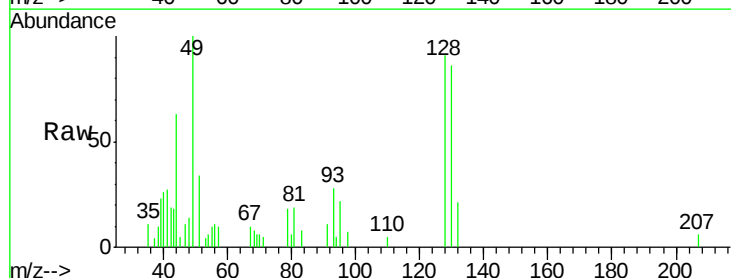
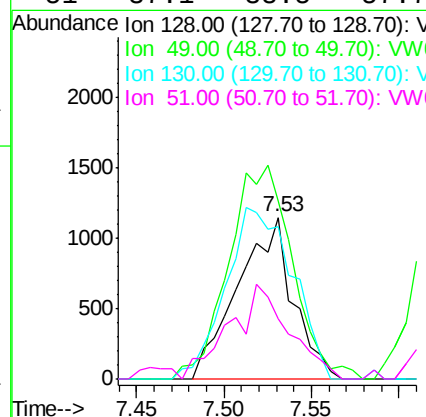
MMDadoda
 9/8/2020 10:15:01 AM

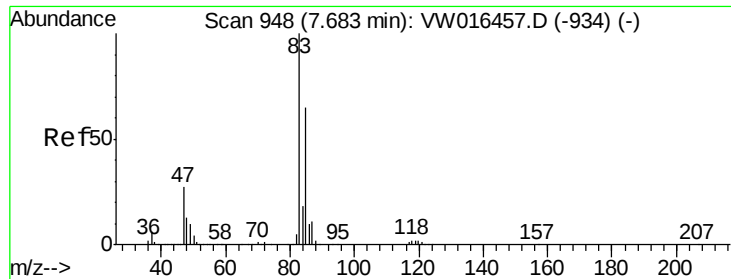


#23

Bromochloromethane
 Concen: 0.577 ug/L
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	110.5	111.6	207.4#
130	94.7	90.9	168.7
51	37.1	38.5	57.7#





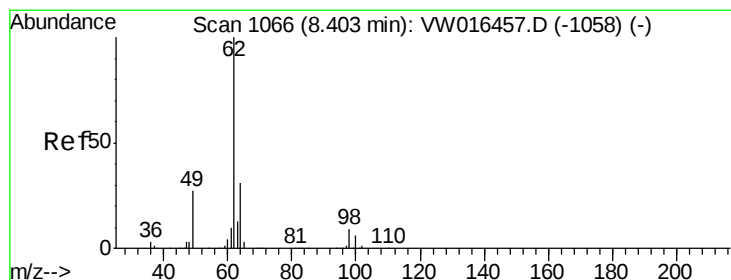
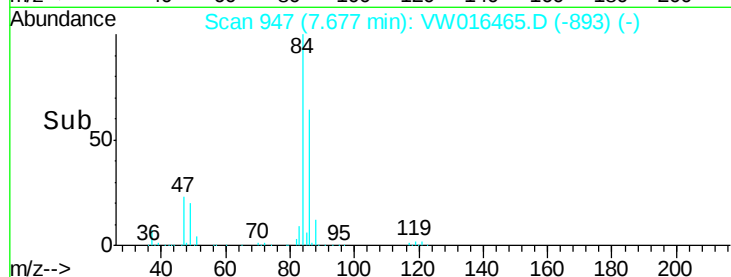
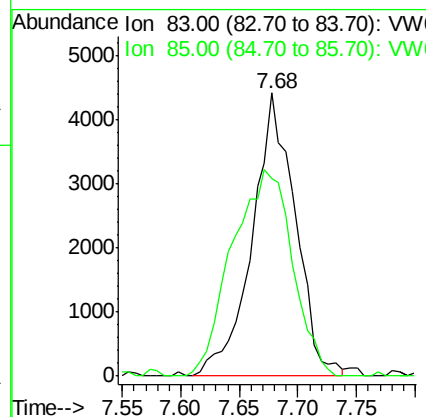
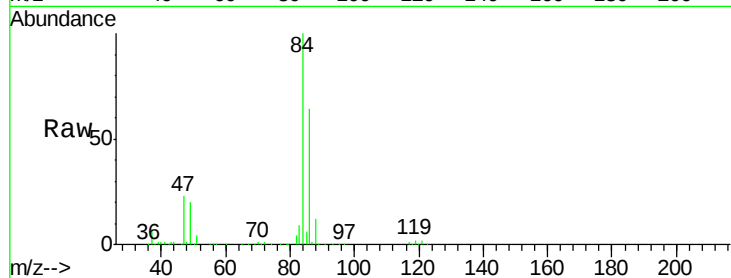
#25
Chloroform
Concen: 0.708 ug/L m
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	83	Resp	11302
Ion Ratio	100	Lower	Upper
85	0.7	45.6	84.8#

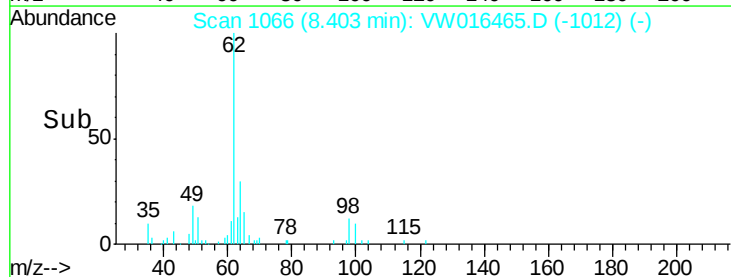
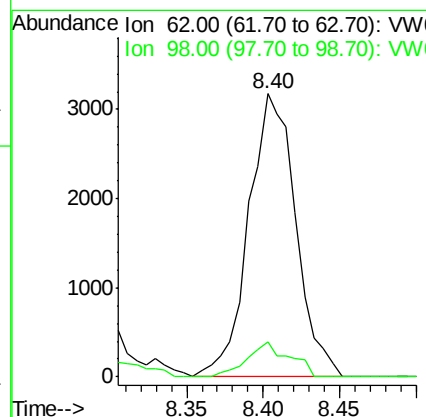
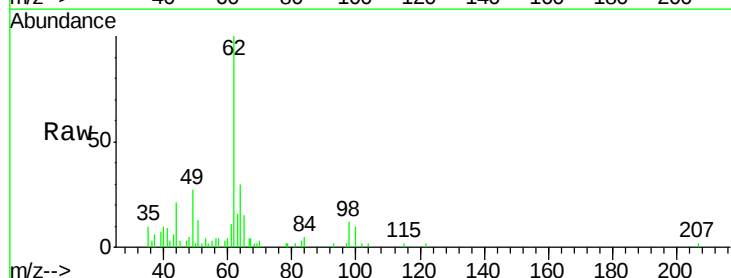
Manual Integrations
APPROVED

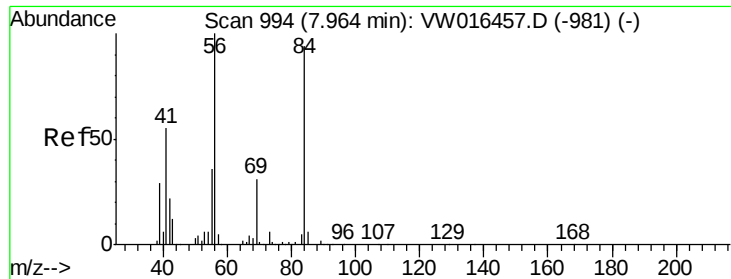
MMDadoda
9/8/2020 10:15:01 AM



#27
1,2-Dichloroethane
Concen: 0.640 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion	62	Resp	6800
Ion Ratio	100	Lower	Upper
98	12.3	7.3	10.9#





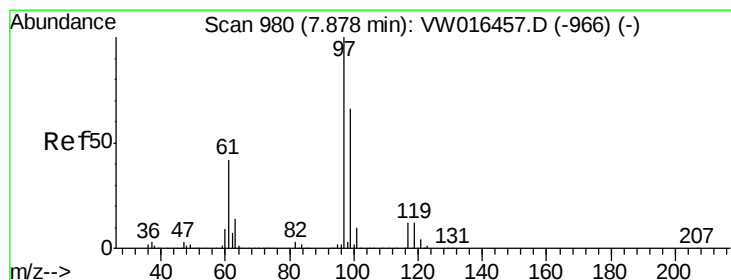
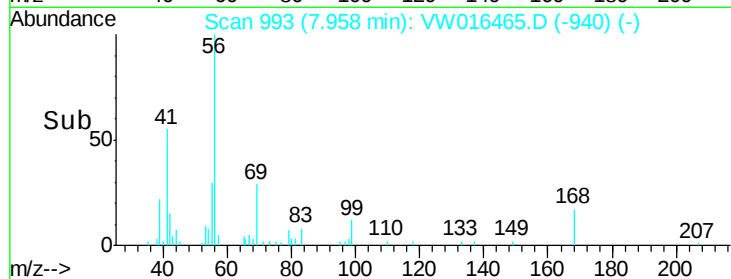
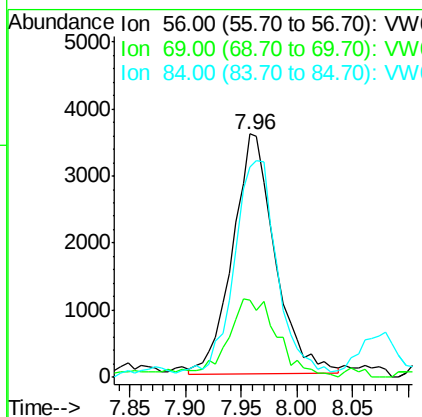
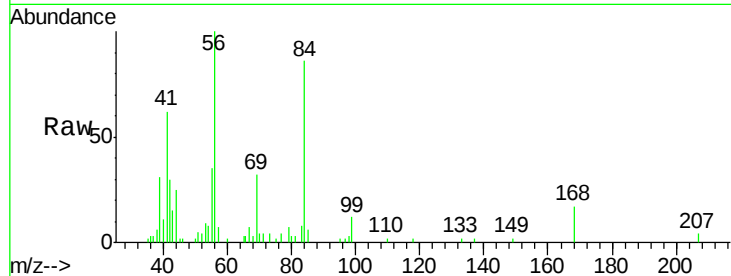
#30
Cvclohexane
Concen: 0.644 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	19.2	25.3	37.9#
84	89.1	71.6	107.4

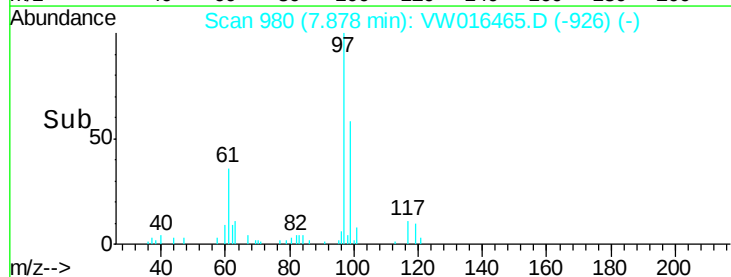
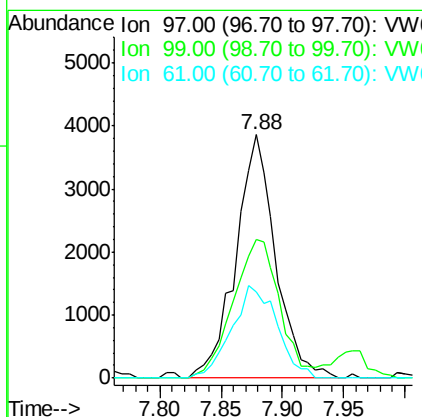
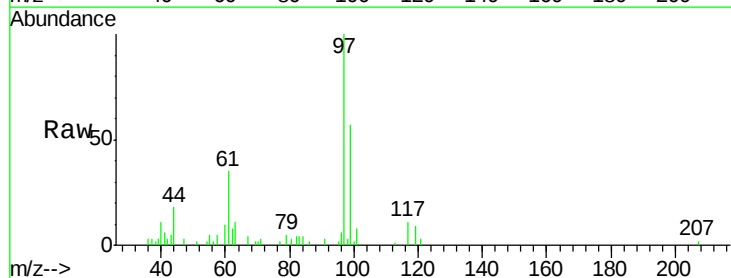
Manual Integrations
APPROVED

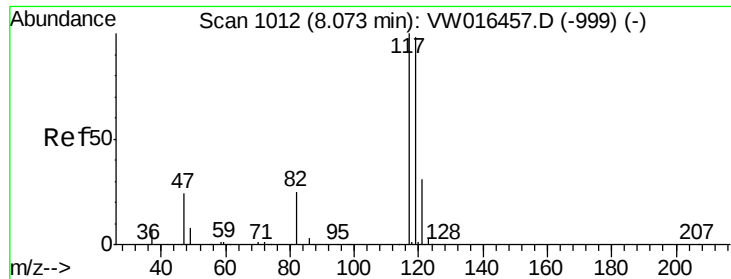
MMDadoda
9/8/2020 10:15:01 AM



#31
1,1,1-Trichloroethane
Concen: 0.654 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.2	78.2
61	43.1	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.632 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion:117 Resp: 8066

Ion Ratio Lower Upper

117 100

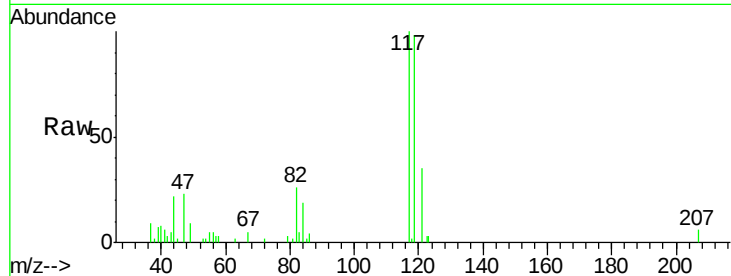
119 99.8 77.8 116.6

Manual Integrations

APPROVED

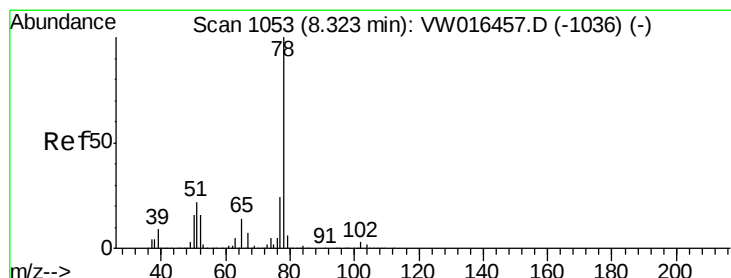
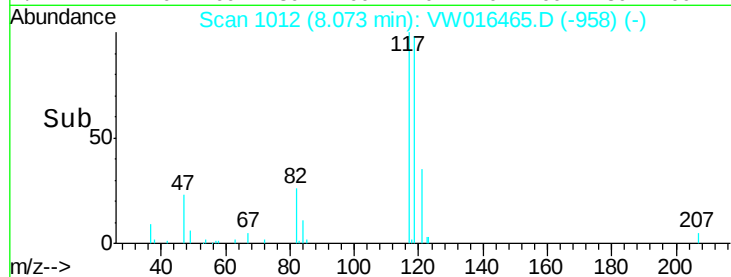
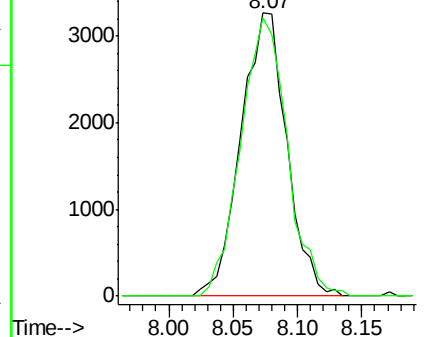
MMDadoda

9/8/2020 10:15:01 AM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.617 ug/L

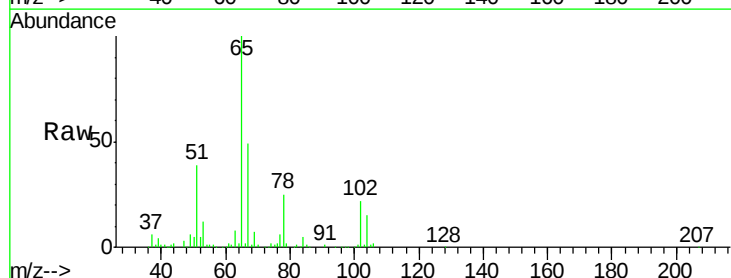
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

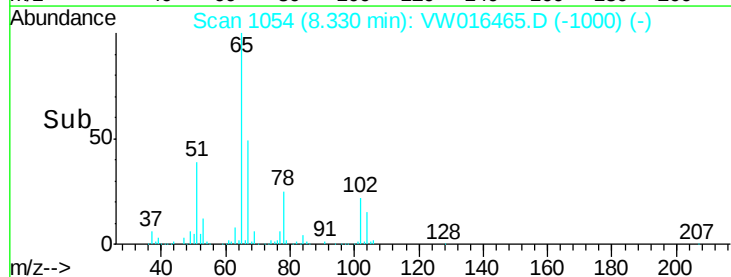
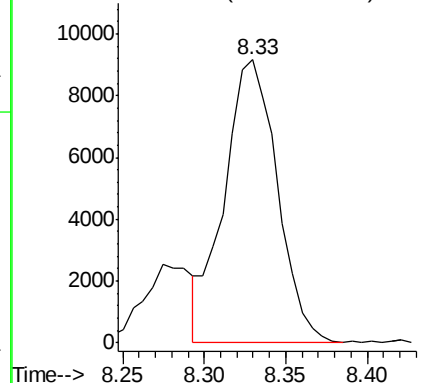
Lab File: VW016465.D

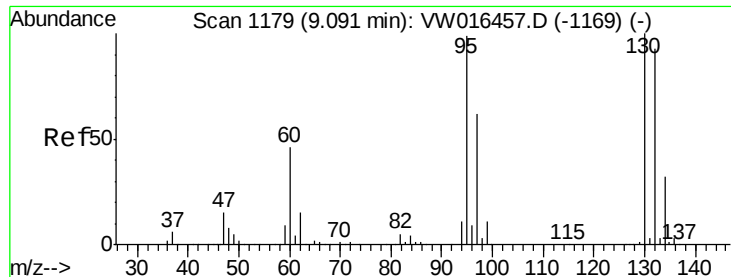
Acq: 04 Sep 2020 15:36

Tgt Ion: 78 Resp: 20769



Abundance Ion 78.00 (77.70 to 78.70): VW





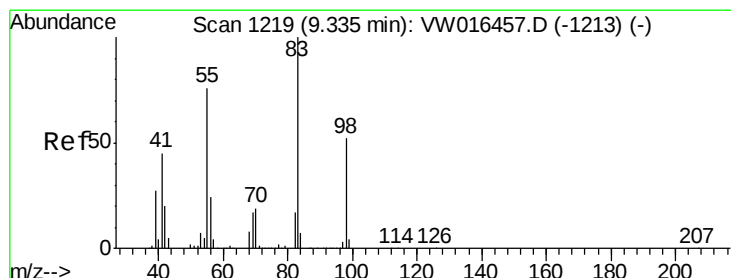
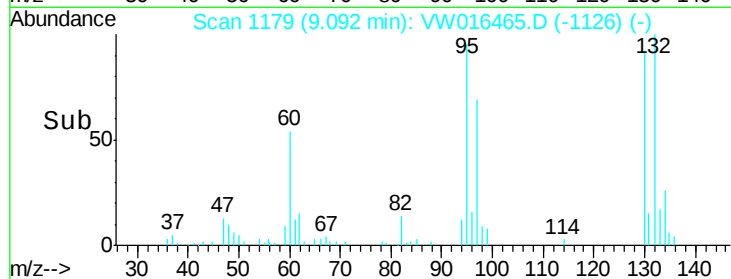
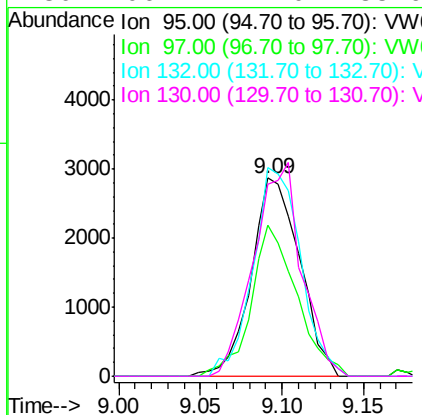
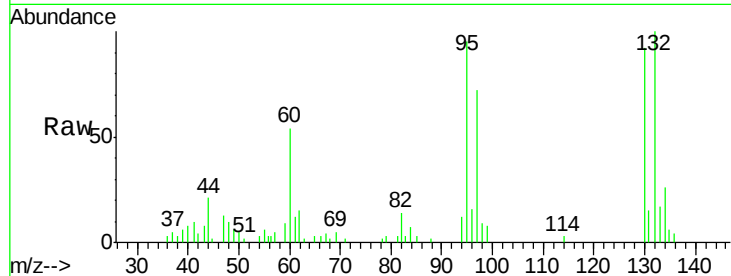
#35
 Trichloroethene
 Concen: 0.636 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	95	Resp	5931
Ion	Ratio	Lower	Upper
95	100		
97	71.7	44.9	83.5
132	103.1	69.2	128.4
130	106.2	72.0	133.6

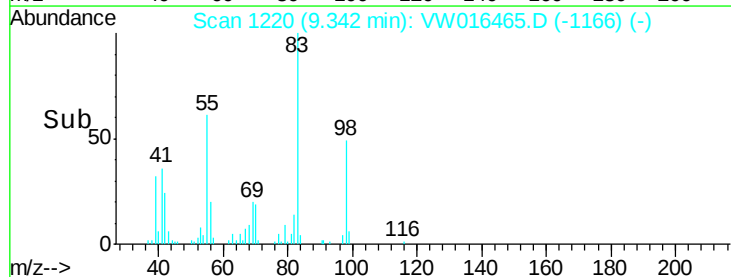
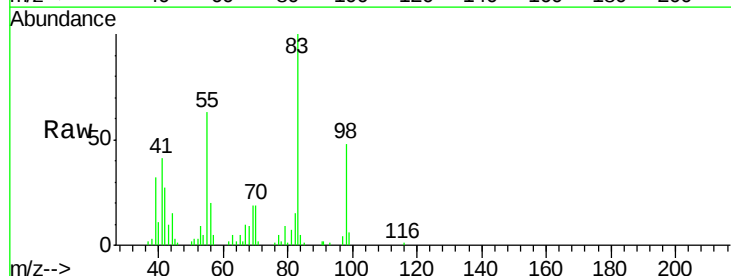
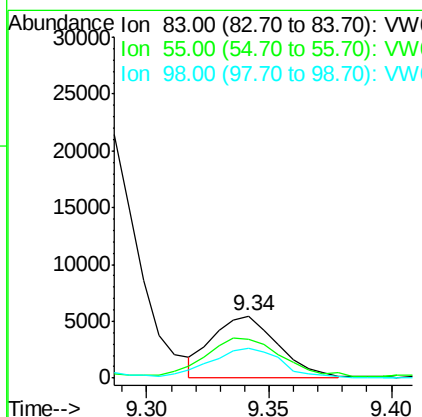
Manual Integrations
 APPROVED

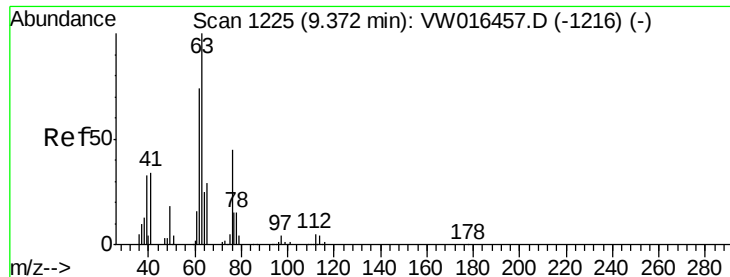
MMDadoda
 9/8/2020 10:15:01 AM



#36
 Methylcyclohexane
 Concen: 0.601 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	83	Resp	9808
Ion	Ratio	Lower	Upper
83	100		
55	72.3	60.9	91.3
98	54.2	40.0	60.0





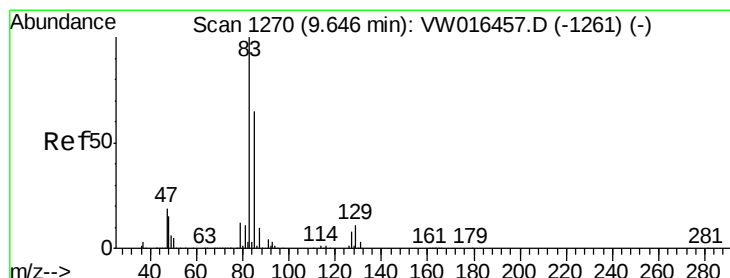
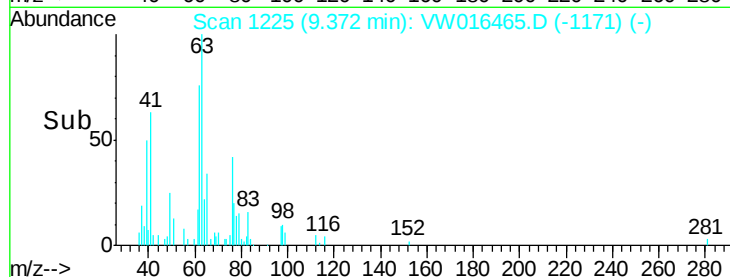
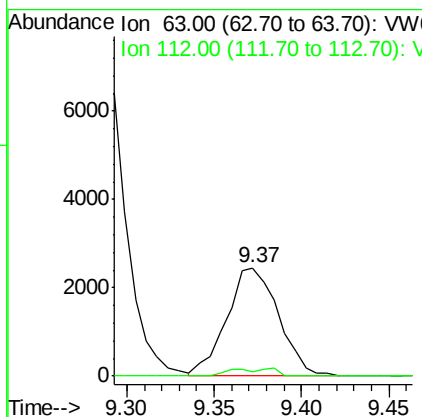
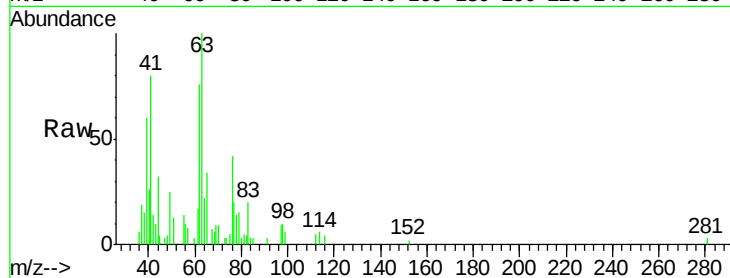
#40
 1,2-Dichloropropane
 Concen: 0.608 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
112	2.5	3.8	5.8#

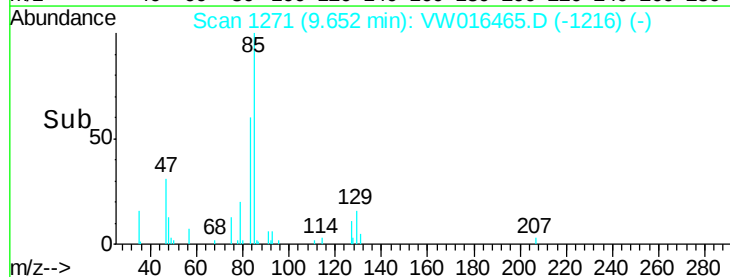
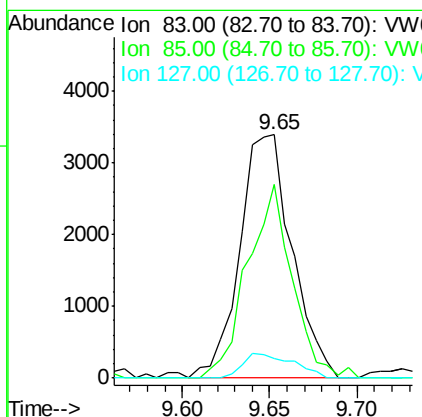
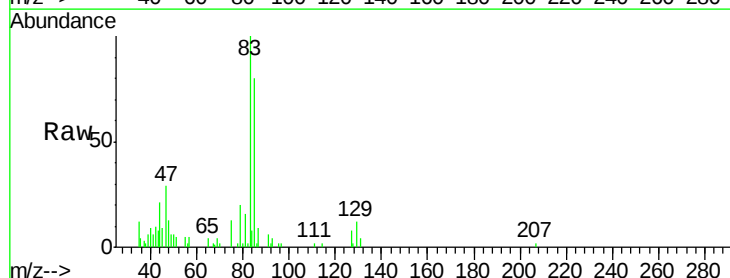
Manual Integrations
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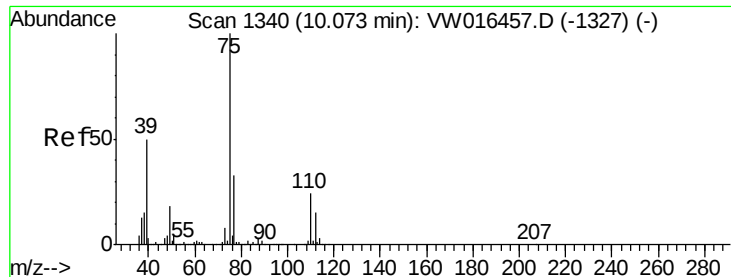
MMDadoda
 9/8/2020 10:15:01 AM



#41
 Bromodichloromethane
 Concen: 0.608 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	79.8	43.5	80.7
127	8.0	6.7	10.1





#42

cis-1,3-Dichloropropene

Concen: 0.575 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 75 Resp: 8130

Ion Ratio Lower Upper

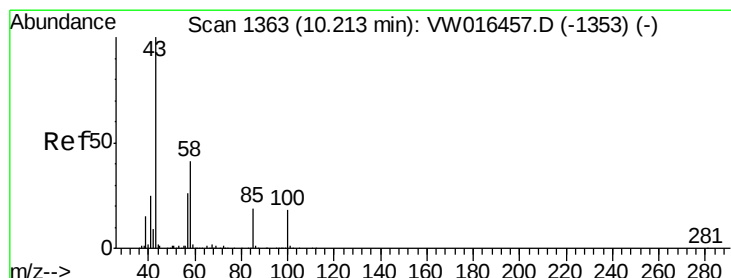
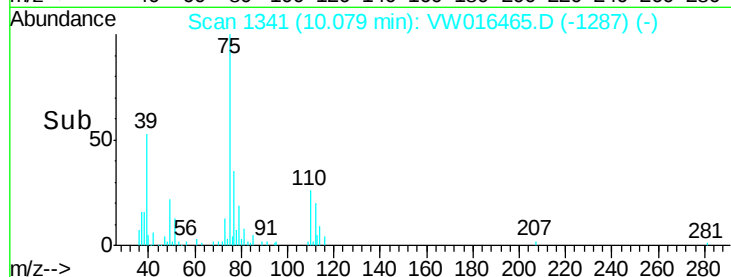
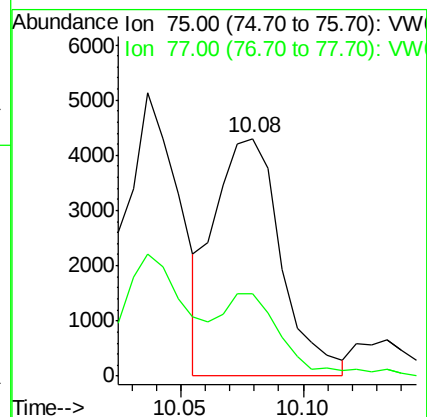
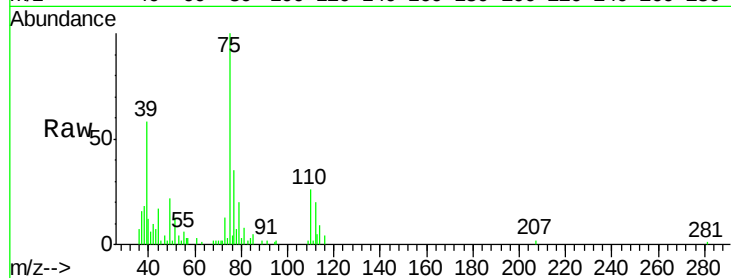
75 100

77 34.5 20.9 38.7

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9/8/2020 10:15:01 AM



#43

4-Methyl-2-pentanone

Concen: 2.169 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

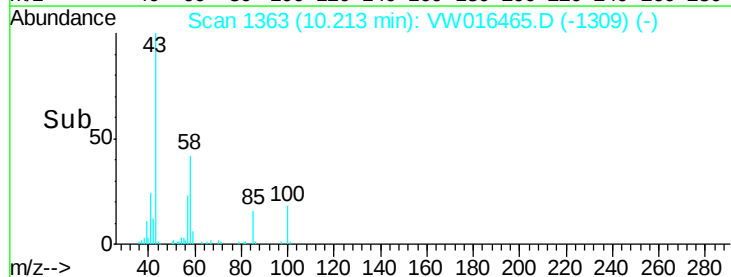
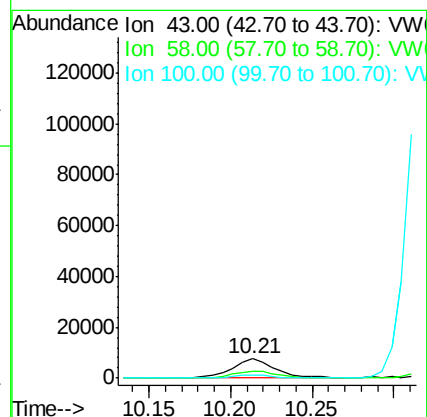
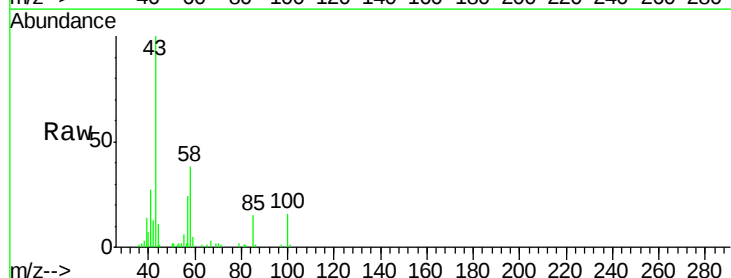
Tgt Ion: 43 Resp: 12787

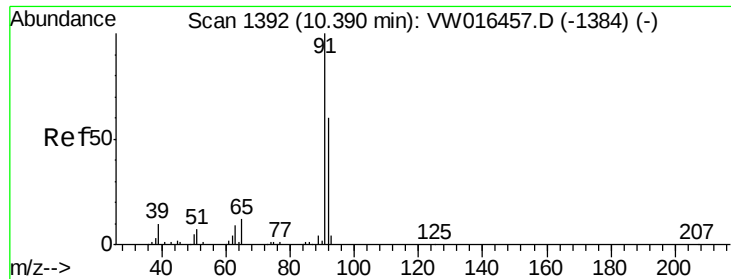
Ion Ratio Lower Upper

43 100

58 41.7 30.6 45.8

100 16.5 13.0 19.6





#44

Toluene

Concen: 0.655 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 91 Resp: 24691

Ion Ratio Lower Upper

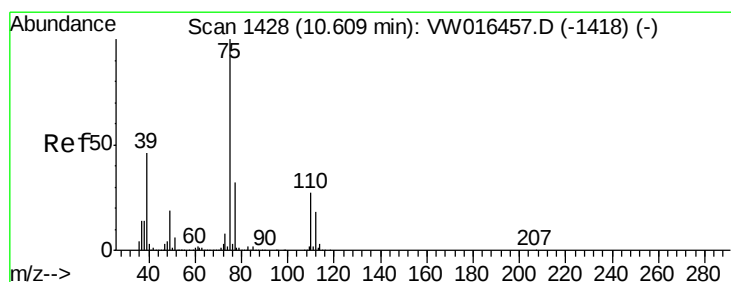
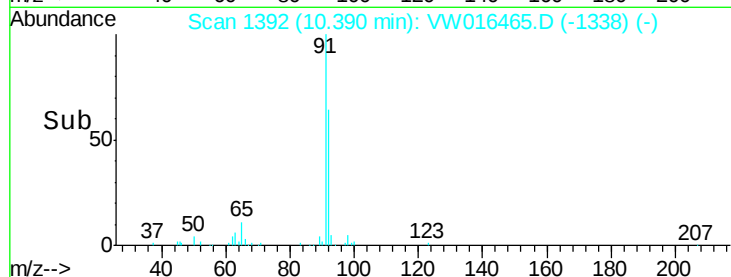
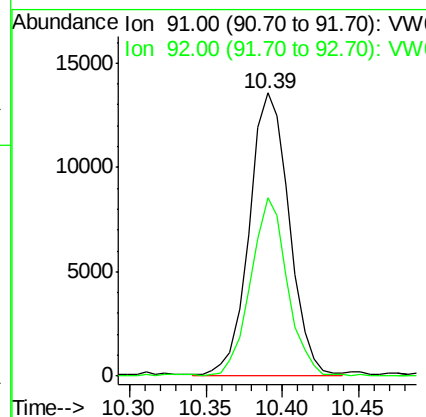
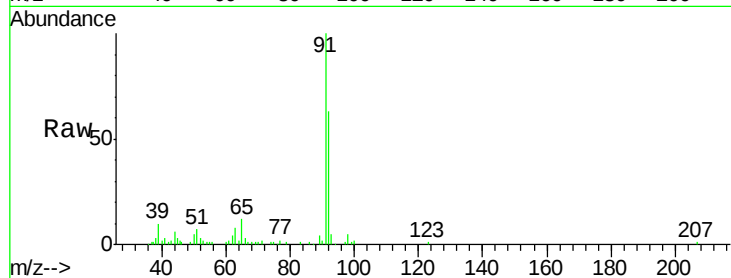
91 100

92 63.2 39.5 73.4

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9/8/2020 10:15:01 AM



#45

trans-1,3-Dichloropropene

Concen: 0.588 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016465.D

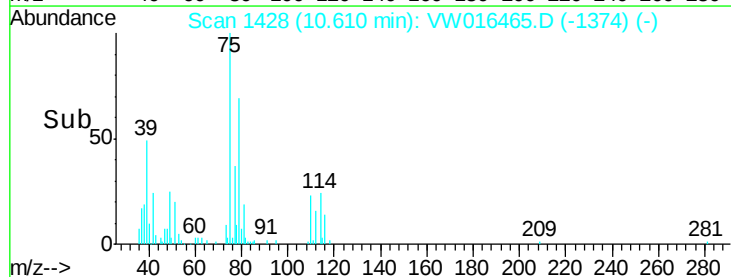
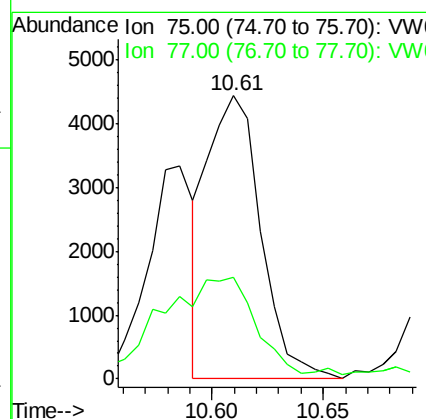
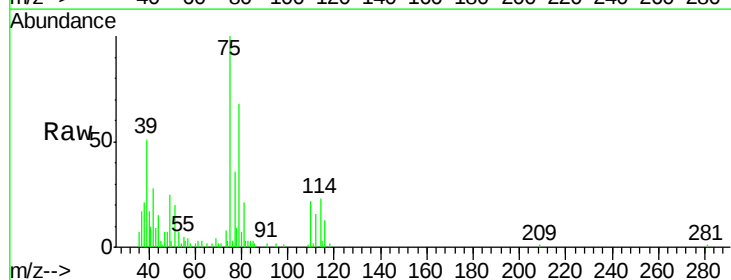
Acq: 04 Sep 2020 15:36

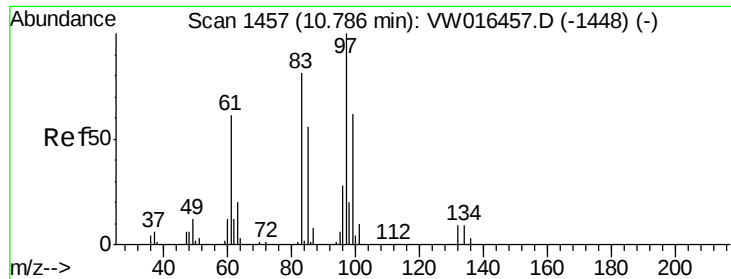
Tgt Ion: 75 Resp: 7421

Ion Ratio Lower Upper

75 100

77 35.8 21.9 40.7





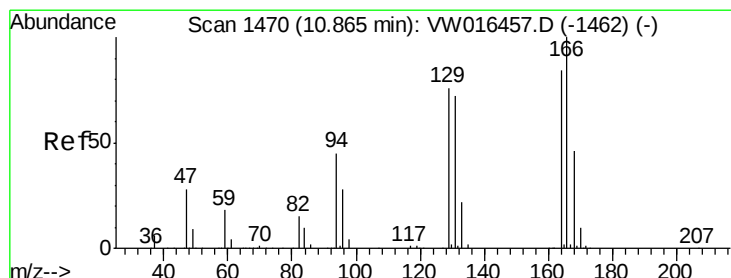
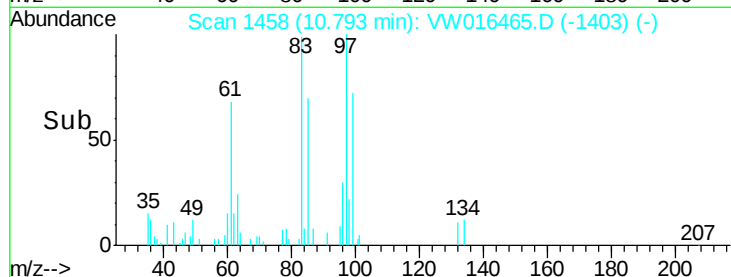
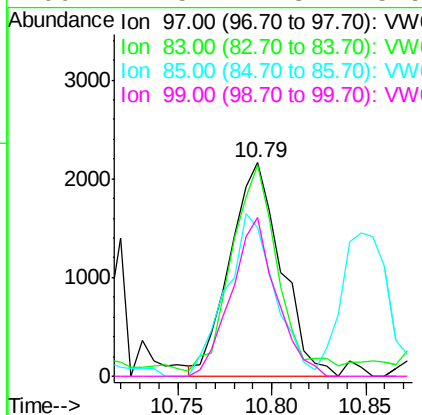
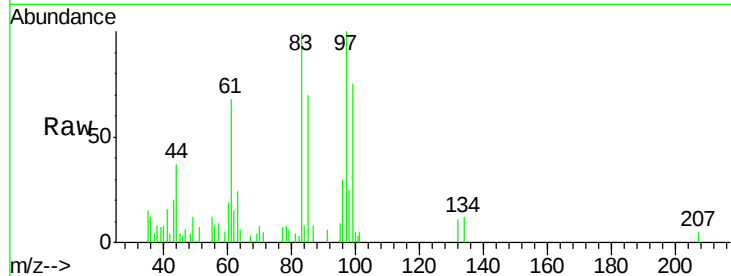
#46
1,1,2-Trichloroethane
Concen: 0.616 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	4062
Ion	Ratio	Lower	Upper
97	100		
83	98.7	59.7	110.9
85	69.6	37.6	69.8
99	74.5	42.3	78.5

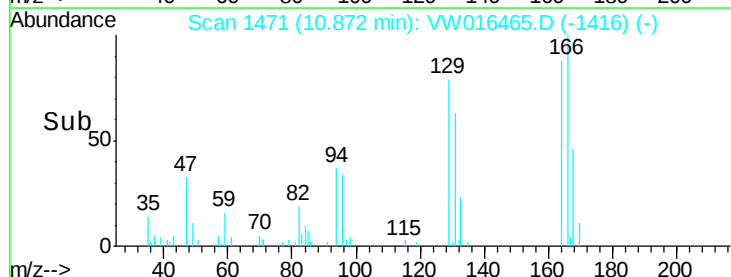
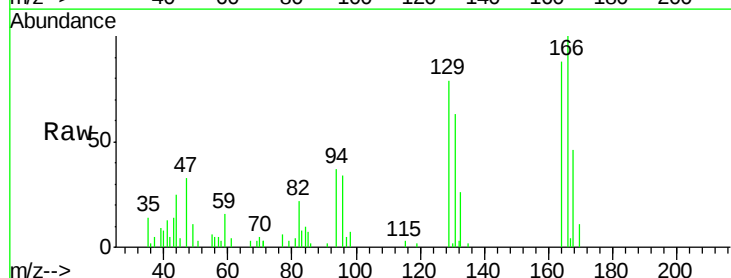
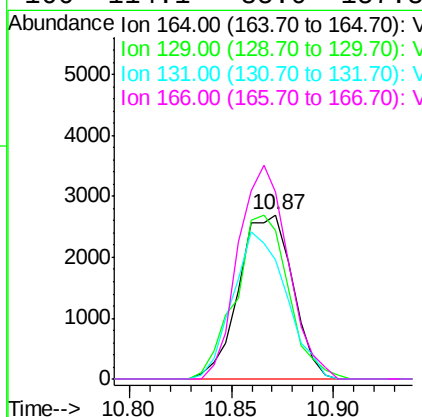
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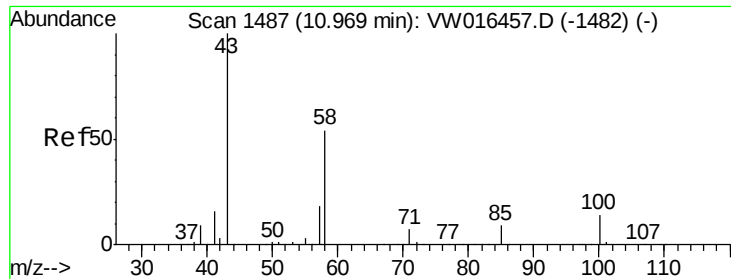
MMDadoda
9/8/2020 10:15:01 AM



#47
Tetrachloroethene
Concen: 0.659 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion:	164	Resp:	4930
Ion	Ratio	Lower	Upper
164	100		
129	90.6	65.7	121.9
131	72.1	61.1	113.5
166	114.1	85.0	157.8





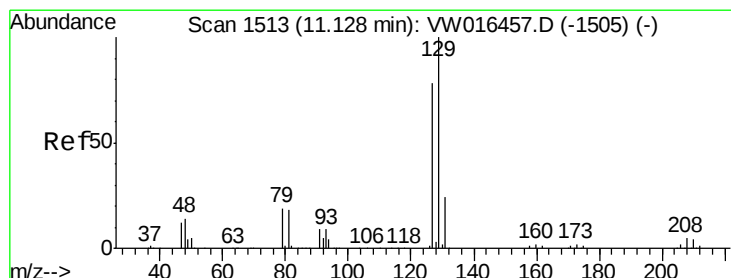
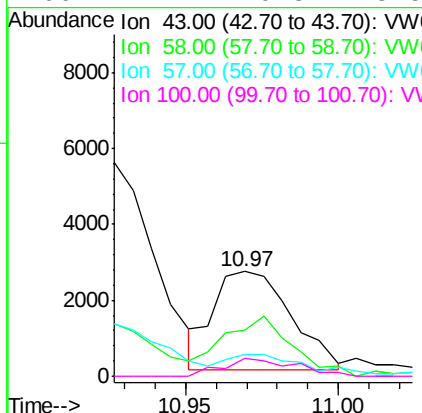
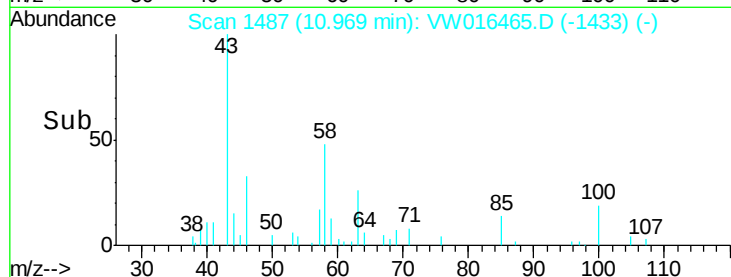
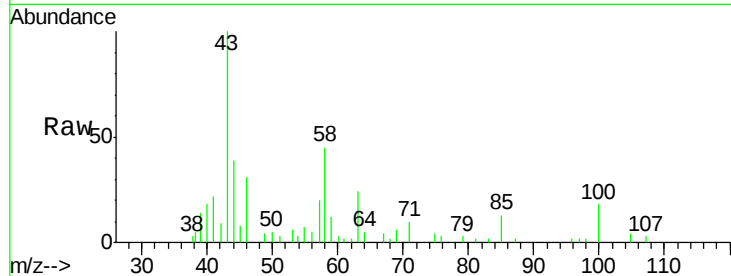
#49
2-Hexanone
Concen: 1.101 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 4520
Ion Ratio Lower Upper
43 100
58 54.5 42.1 63.1
57 15.5 14.9 22.3
100 17.7 10.3 15.5#

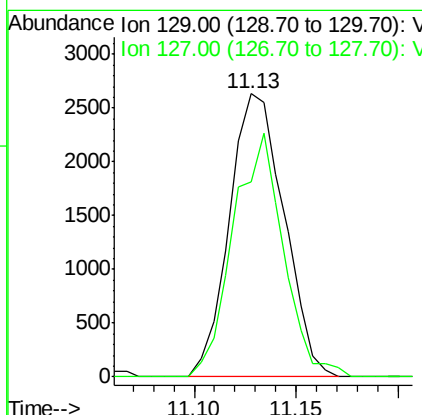
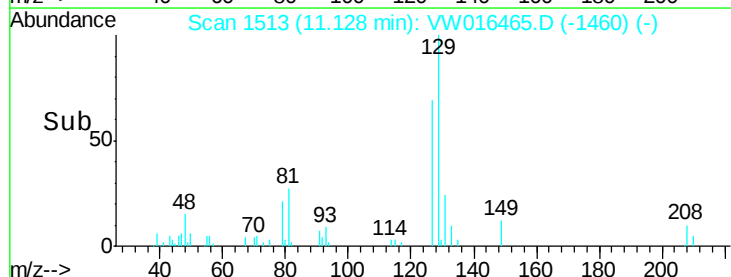
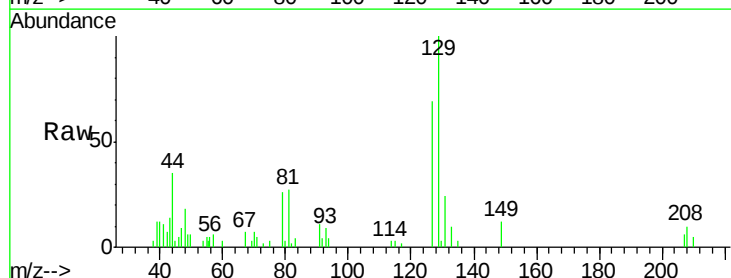
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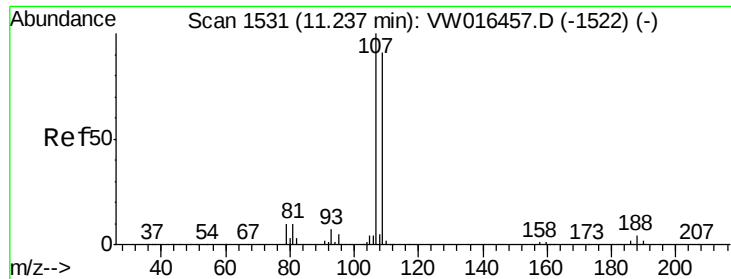
MMDadoda
9/8/2020 10:15:01 AM



#50
Dibromochloromethane
Concen: 0.587 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion: 129 Resp: 4900
Ion Ratio Lower Upper
129 100
127 68.8 55.4 103.0





#51

1,2-Dibromoethane

Concen: 0.617 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

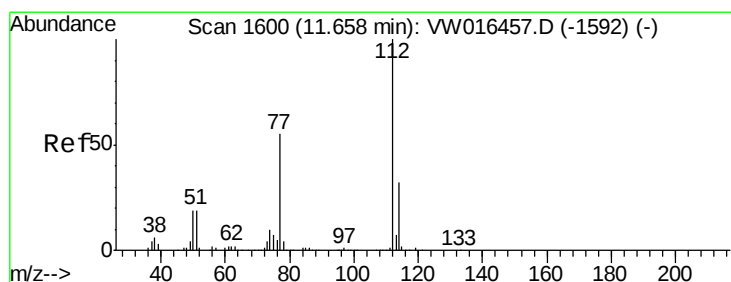
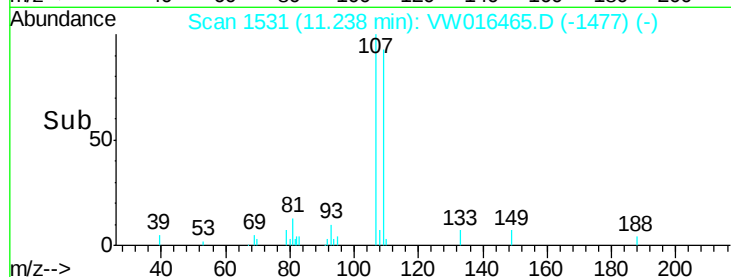
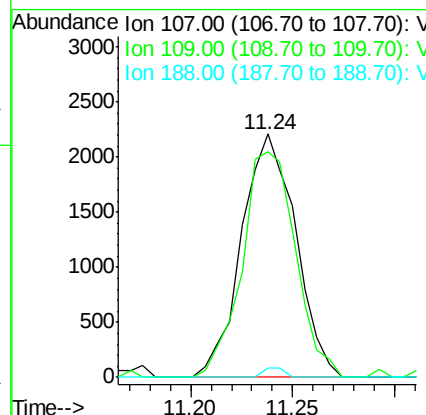
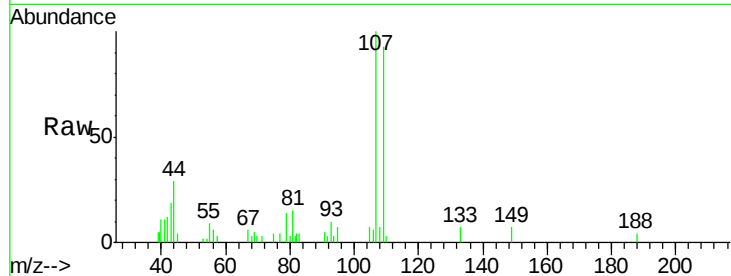
ClientSampleId :

MDL07

Tot Ion:	107	Resp:	4069
Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.8	120.4
188	3.9	3.4	5.0

Manual Integrations
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MMDadoda
9/8/2020 10:15:01 AM



#52

Chlorobenzene

Concen: 0.635 ug/L

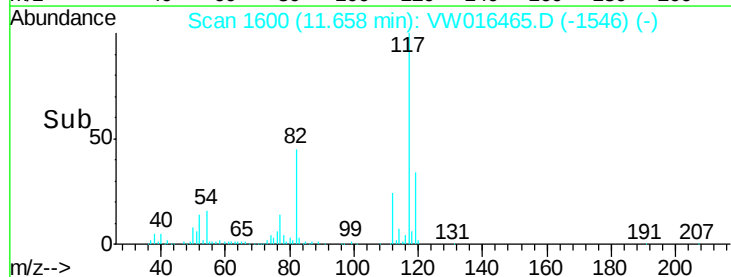
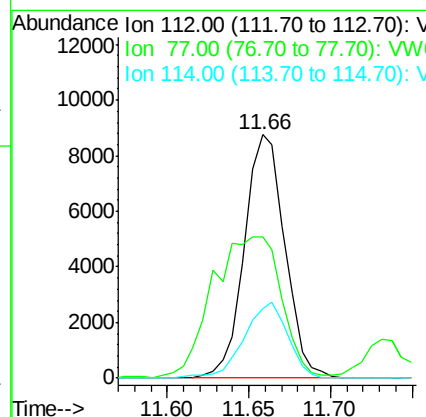
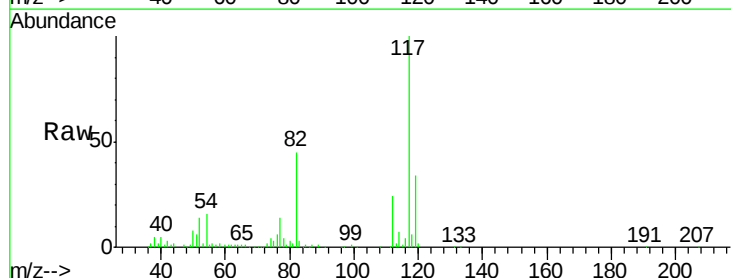
RT: 11.66 min Scan# 1600

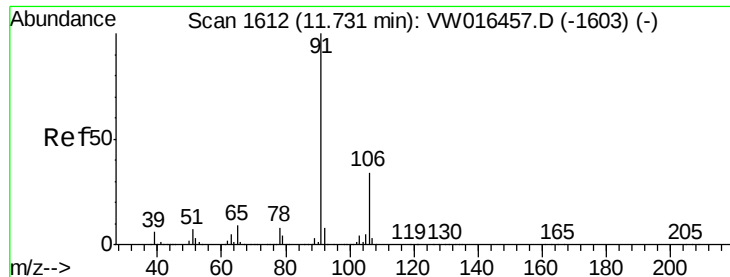
Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Tgt Ion:	112	Resp:	15175
Ion	Ratio	Lower	Upper
112	100		
77	58.0	46.2	69.2
114	28.5	21.1	39.3





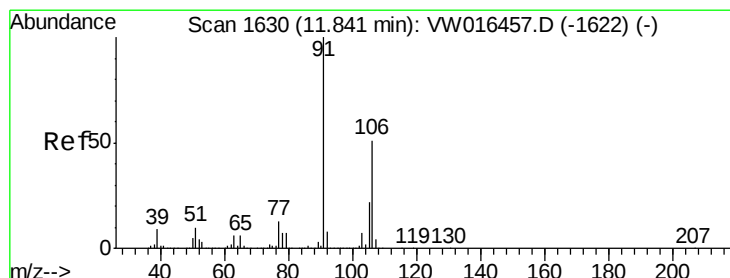
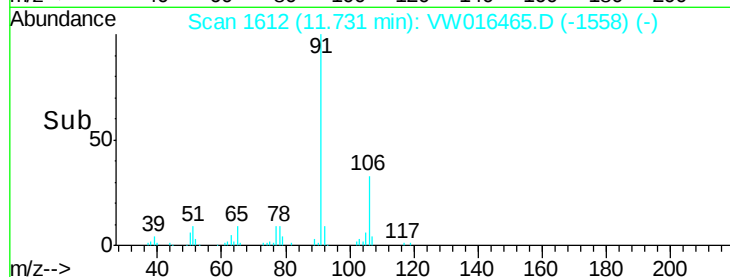
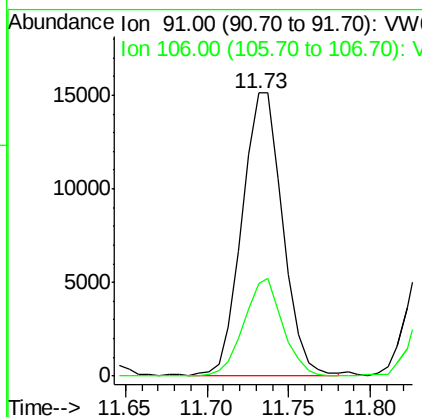
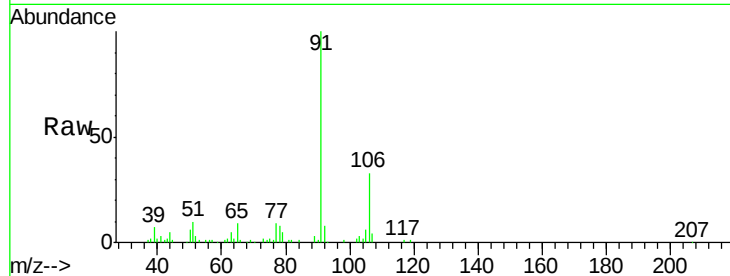
#53
Ethylbenzene
Concen: 0.620 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion: 91 Resp: 26331
Ion Ratio Lower Upper
91 100
106 32.7 21.6 40.2

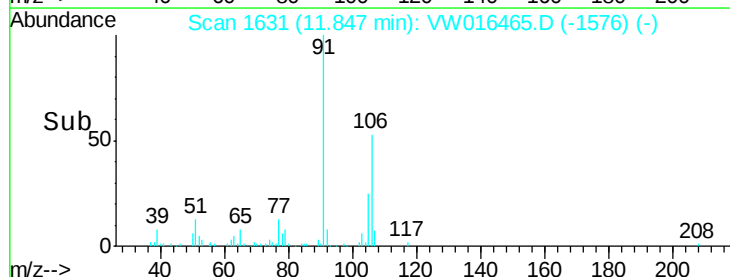
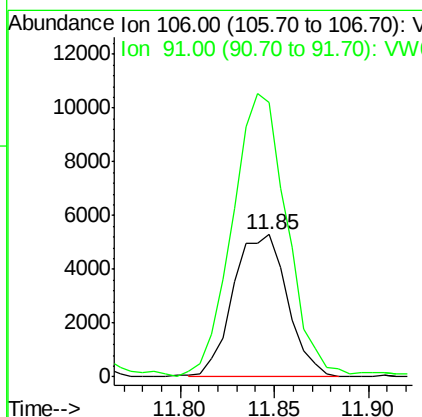
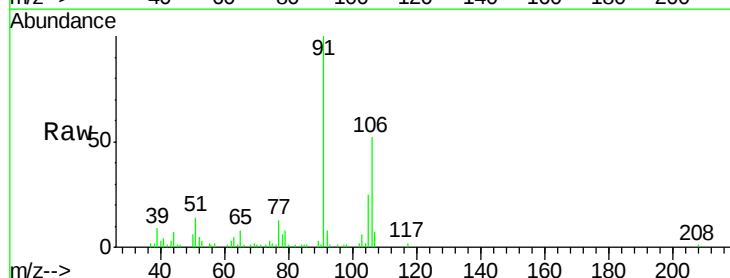
Manual Integrations
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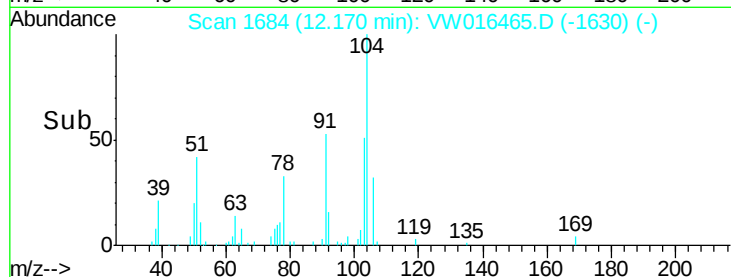
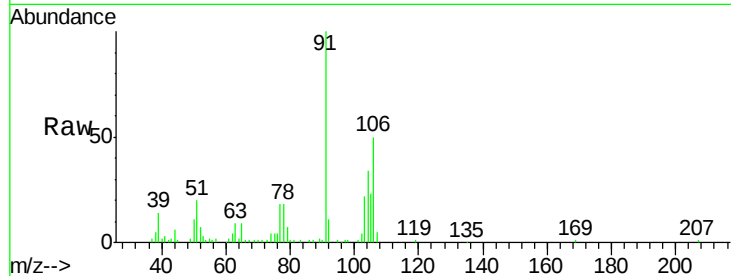
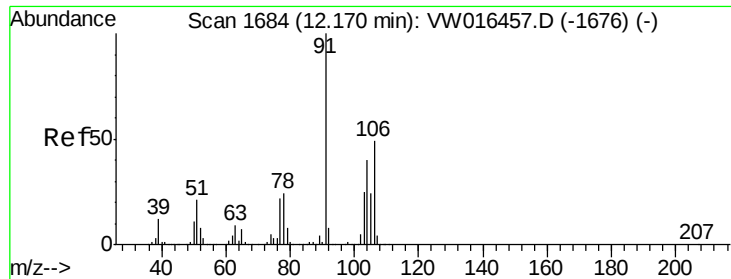
MMDadoda
9/8/2020 10:15:01 AM



#54
m,p-Xylene
Concen: 0.649 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion: 106 Resp: 10528
Ion Ratio Lower Upper
106 100
91 192.4 142.3 264.3





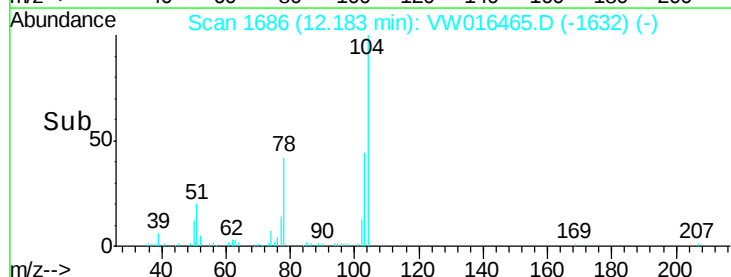
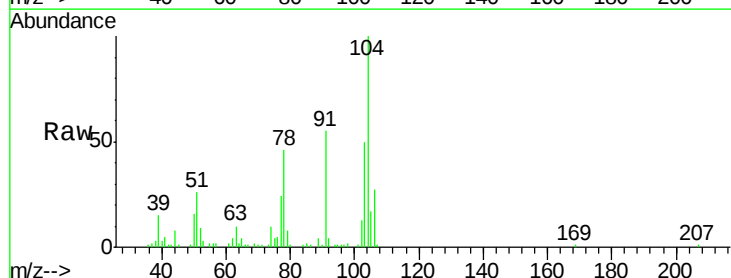
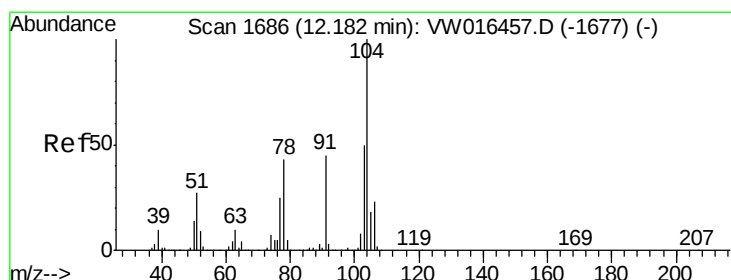
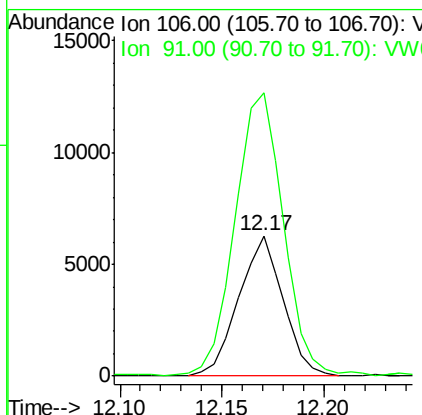
#55
o-xylene
Concen: 0.614 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tot Ion: 106 Resp: 9492
Ion Ratio Lower Upper
106 100
91 201.9 144.3 267.9

Instrument :
MSVOA_W
ClientSampled :
MDL07

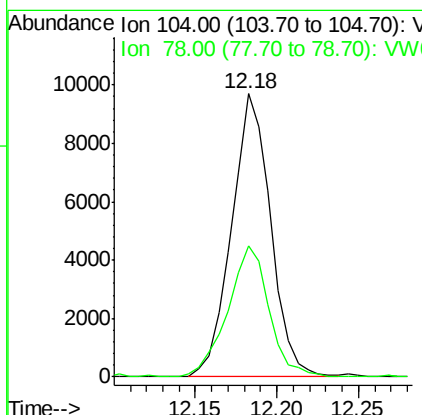
Manual Integrations
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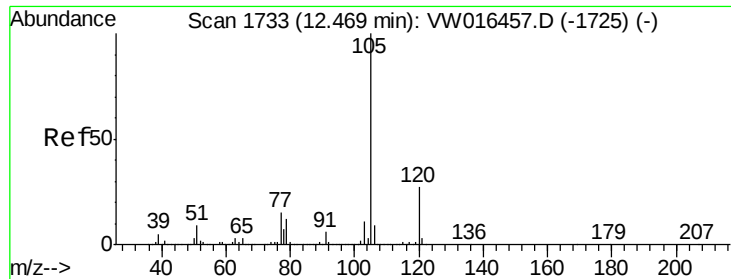
MMDadoda
9/8/2020 10:15:01 AM



#56
Styrene
Concen: 0.609 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion: 104 Resp: 16174
Ion Ratio Lower Upper
104 100
78 46.3 32.8 61.0





#57

Isopropylbenzene

Concen: 0.655 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Instrument :

MSVOA_W

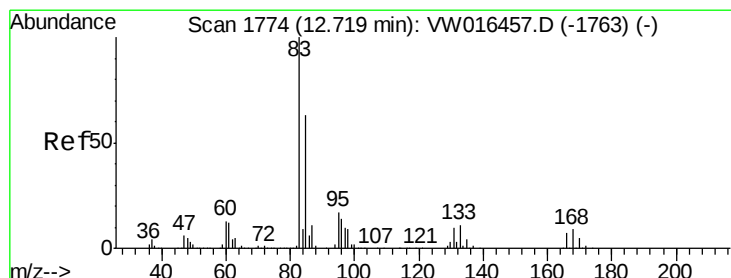
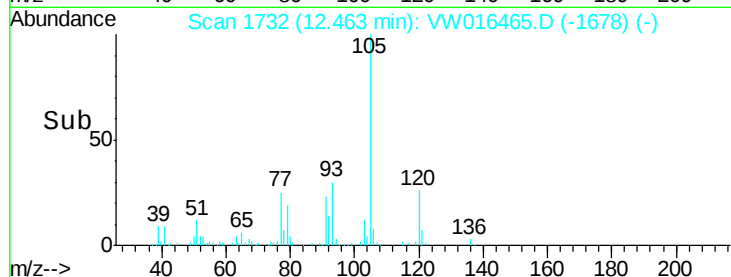
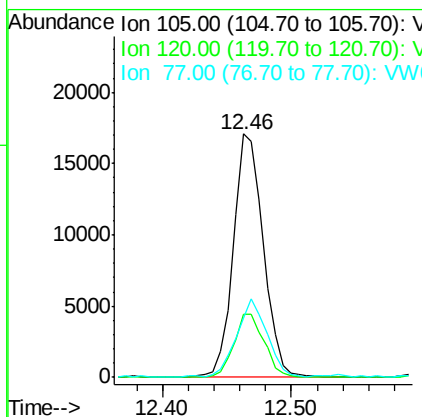
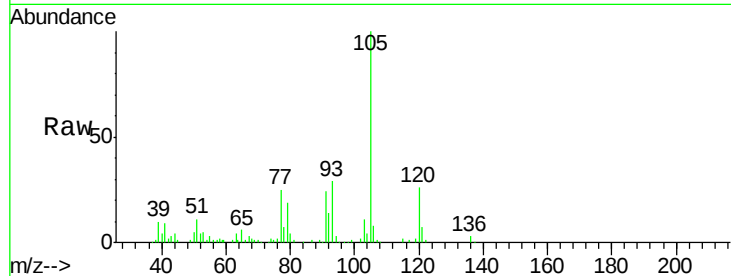
ClientSampleId :

MDL07

Tot Ion:	105	Resp:	27707
Ion Ratio		Lower	Upper
105	100		
120	25.9	21.9	32.9
77	32.8	13.0	19.6#

Manual Integrations
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MMDadoda
9/8/2020 10:15:01 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.684 ug/L

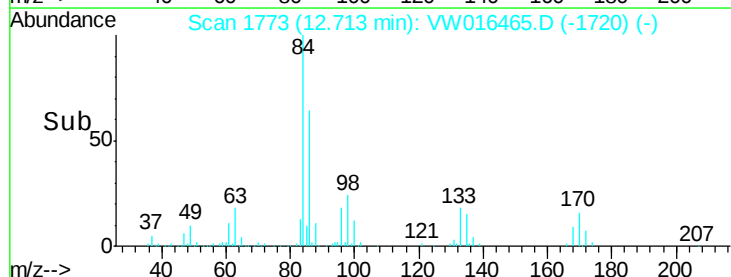
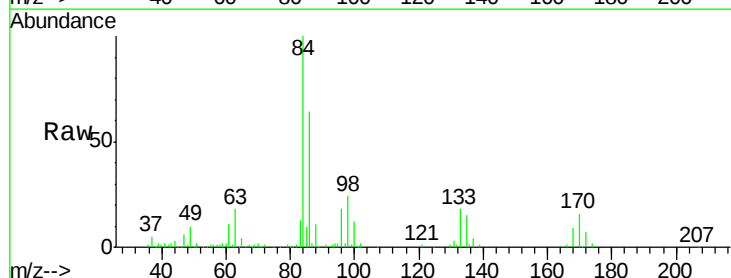
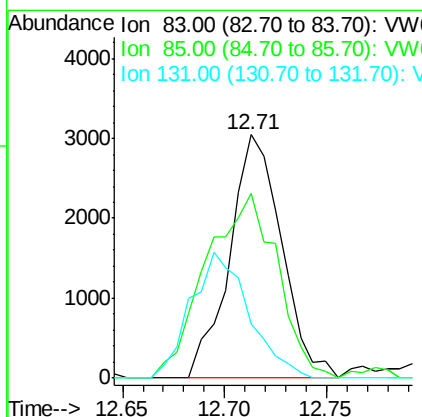
RT: 12.71 min Scan# 1773

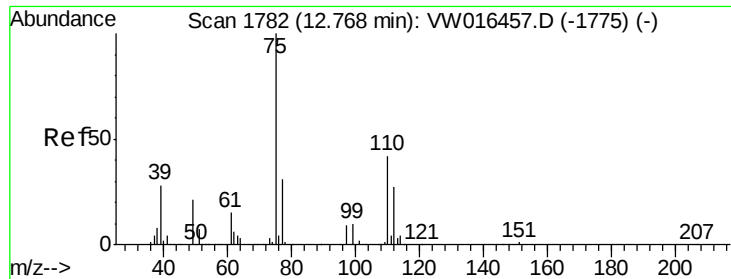
Delta R.T. -0.01 min

Lab File: VW016465.D

Acq: 04 Sep 2020 15:36

Tgt Ion:	83	Resp:	5383
Ion Ratio		Lower	Upper
83	100		
85	76.1	45.3	84.1
131	26.5	8.7	13.1#





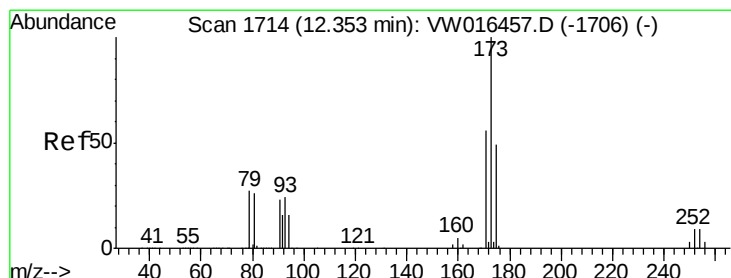
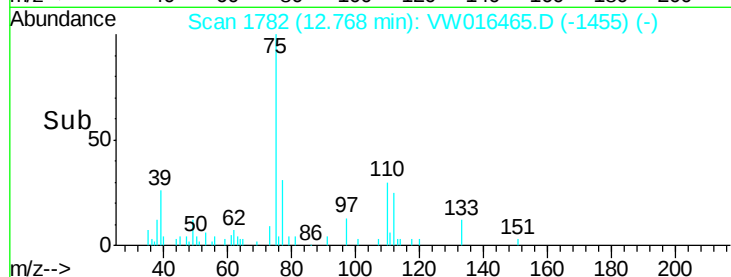
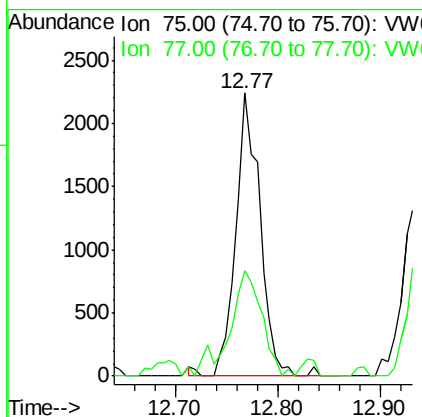
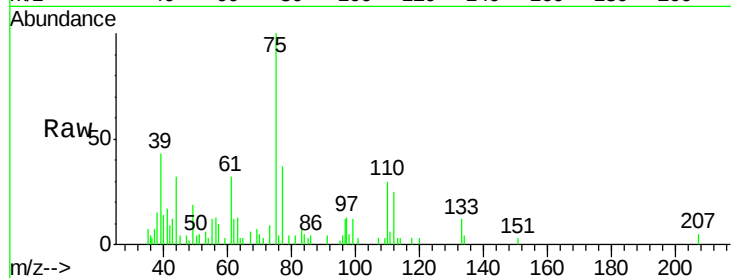
#59
 1,2,3-Trichloropropane
 Concen: 0.622 ug/L m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 3658
 Ion Ratio Lower Upper
 75 100
 77 380.5 26.0 39.0#

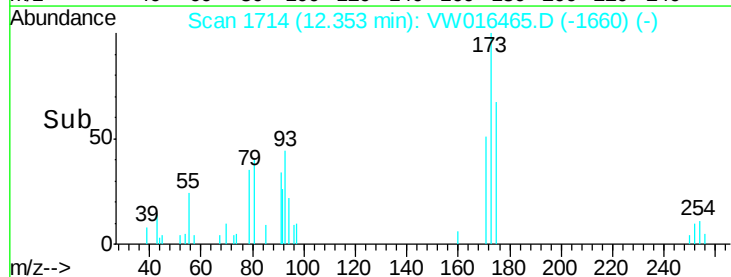
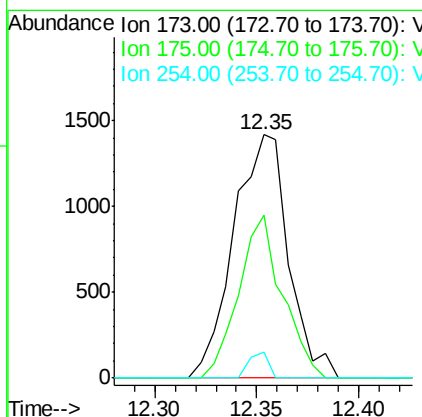
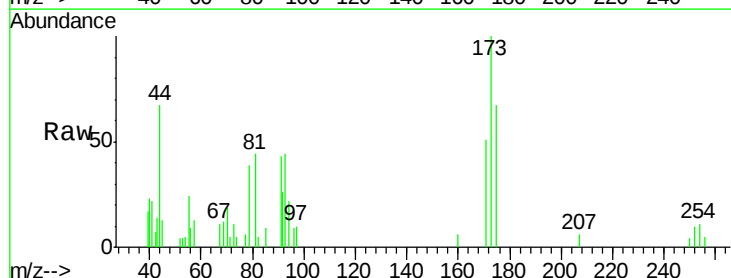
Manual Integrations
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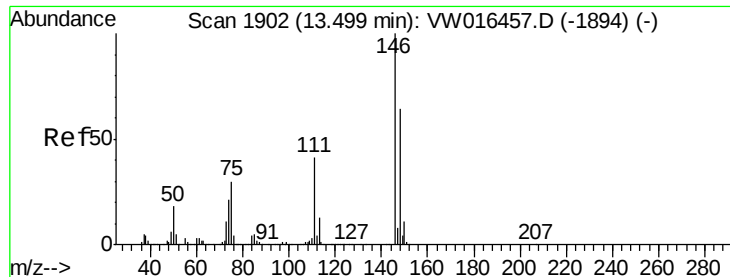
MMDadoda
 9/8/2020 10:15:01 AM



#62
 Bromoform
 Concen: 0.551 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion: 173 Resp: 2649
 Ion Ratio Lower Upper
 173 100
 175 53.2 39.2 58.8
 254 3.8 5.8 8.6#





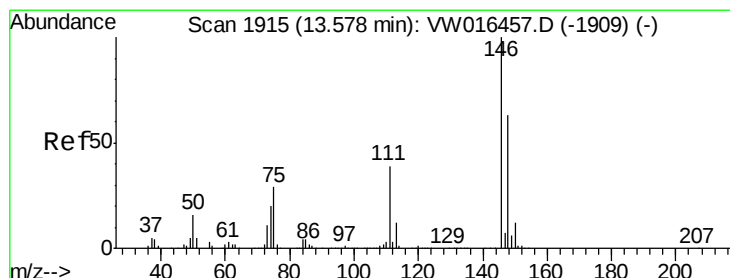
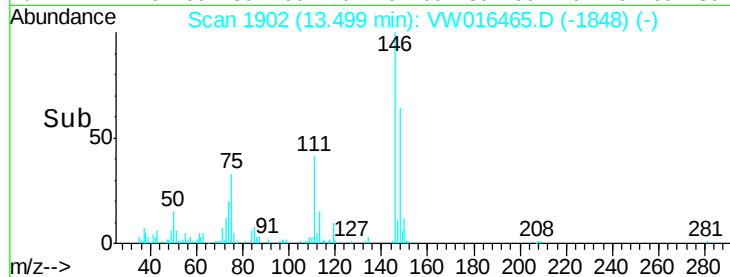
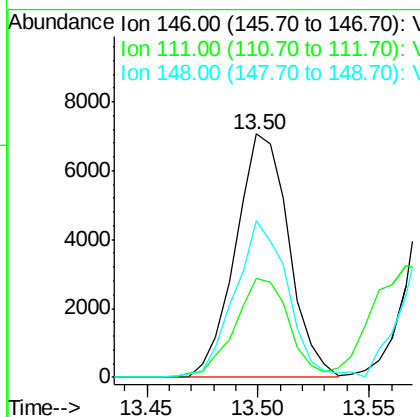
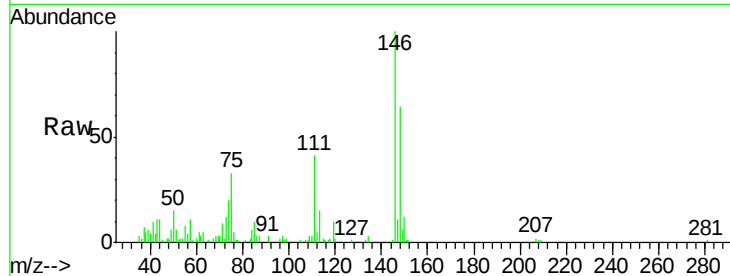
#63
 1,3-Dichlorobenzene
 Concen: 0.652 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	26.5	49.3
148	64.2	41.3	76.7

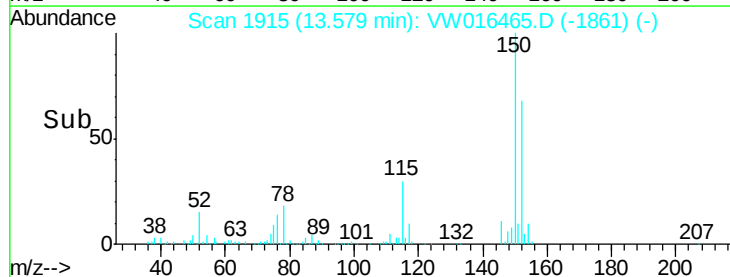
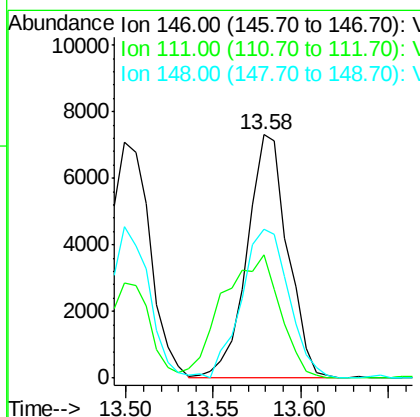
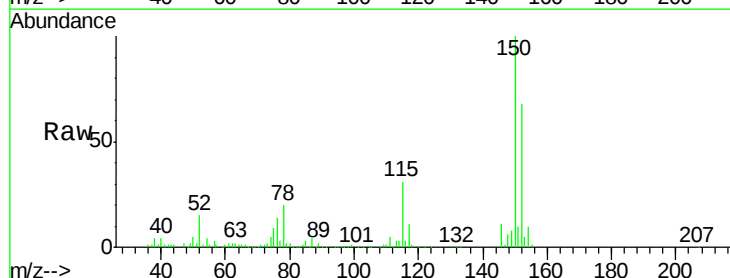
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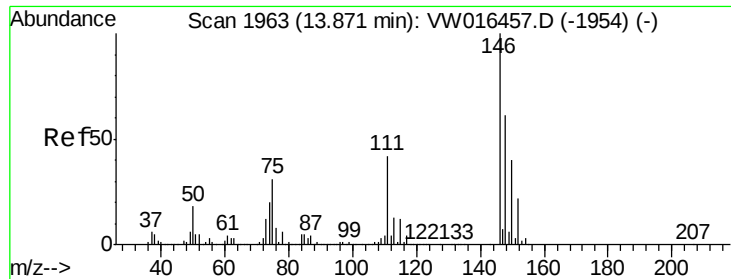
MMDadoda
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#64
 1,4-Dichlorobenzene
 Concen: 0.661 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.8	26.4	49.0#
148	61.4	45.1	83.9





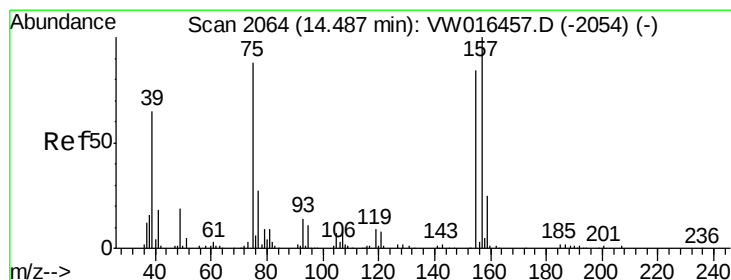
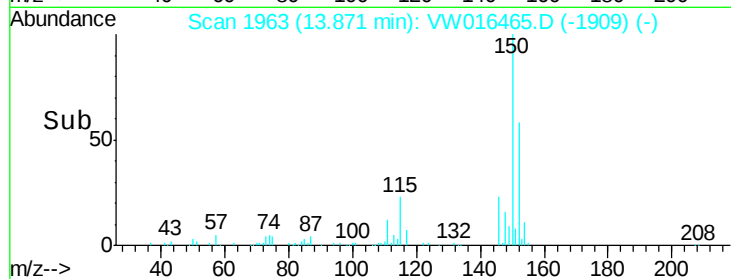
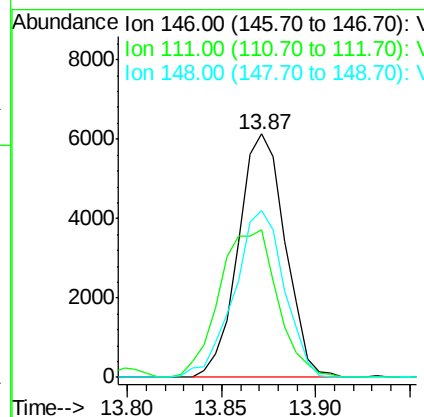
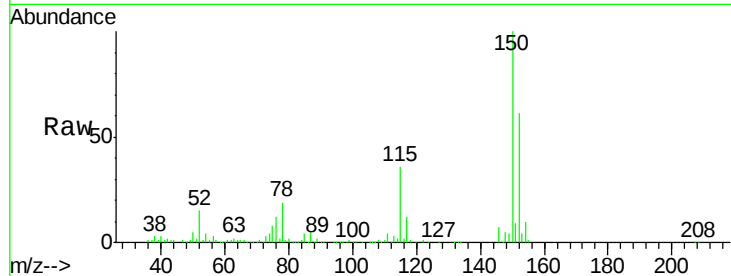
#65
 1,2-Dichlorobenzene
 Concen: 0.660 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.7	35.3	52.9#
148	68.4	49.8	74.8

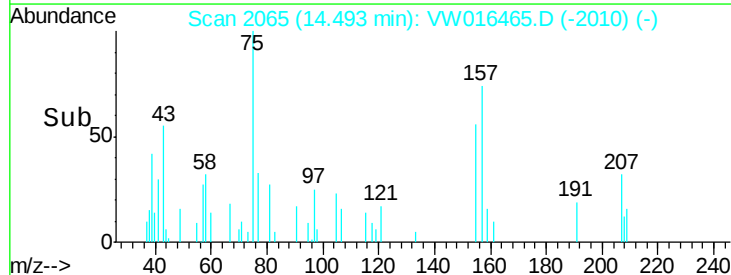
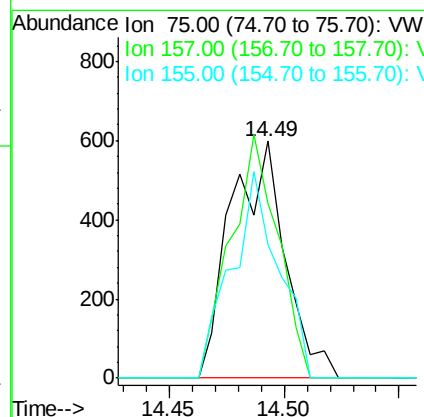
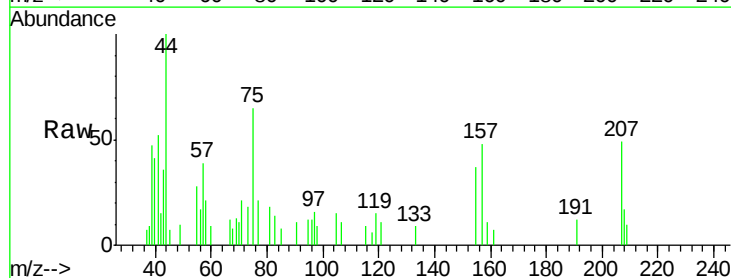
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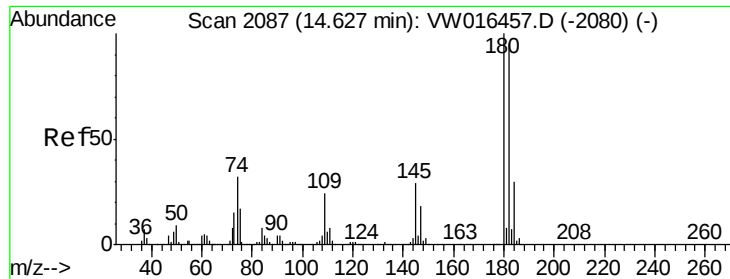
MMDadoda
 9/8/2020 10:15:01 AM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.662 ug/L m
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	73.6	91.4	137.0#
155	56.2	71.3	106.9#





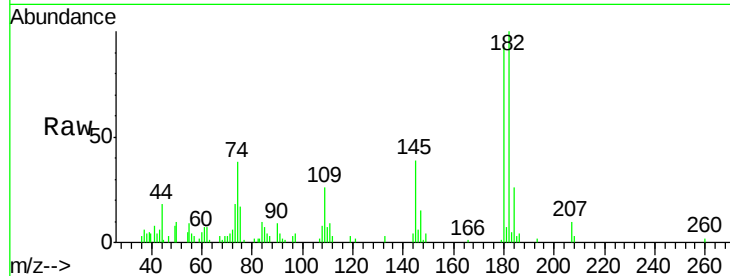
#67
 1,3,5-Trichlorobenzene
 Concen: 0.573 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion:180	Resp:	7114
Ion Ratio	Lower	Upper
180	100	
182	104.1	75.8 113.8
184	32.1	24.2 36.2
145	33.6	24.6 36.8

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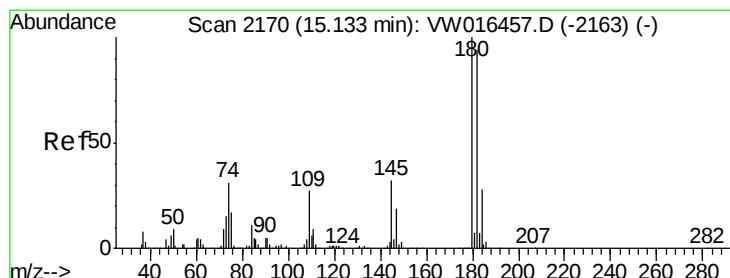
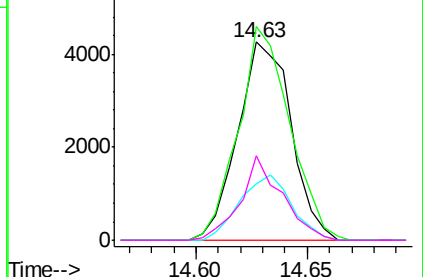
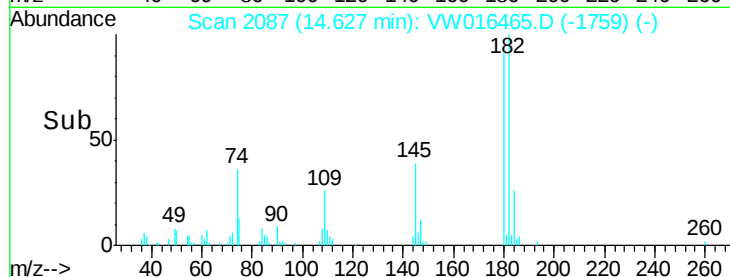


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

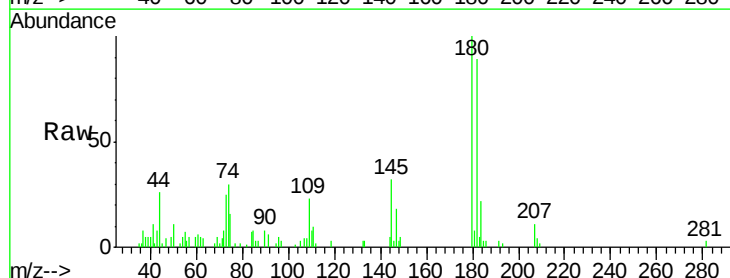
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.587 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016465.D
 Acq: 04 Sep 2020 15:36

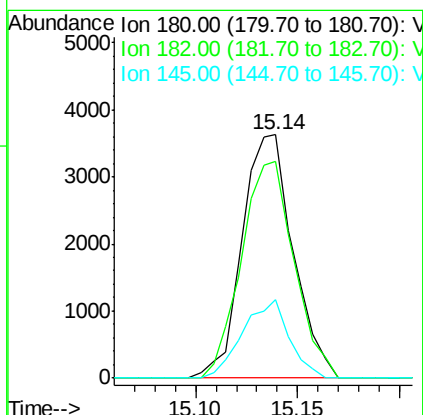
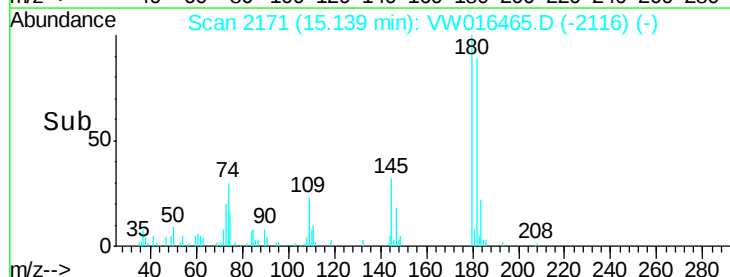
Tgt Ion:180	Resp:	6308
Ion Ratio	Lower	Upper
180	100	
182	91.8	78.5 117.7
145	29.4	25.6 38.4

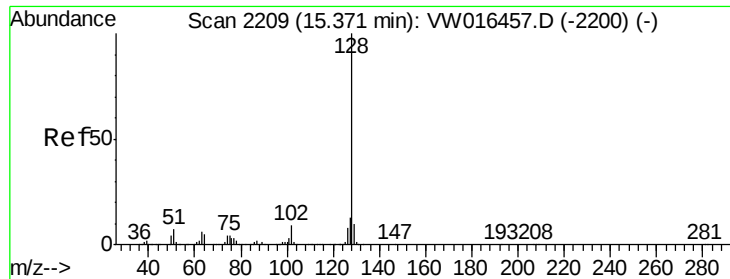


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





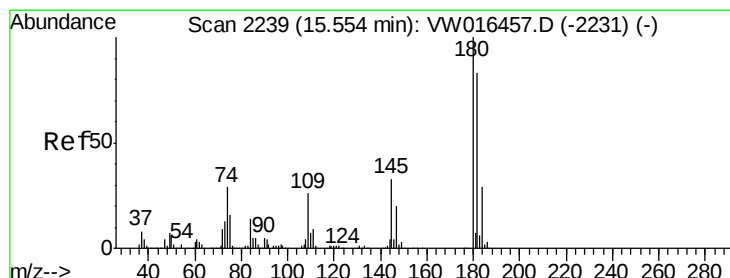
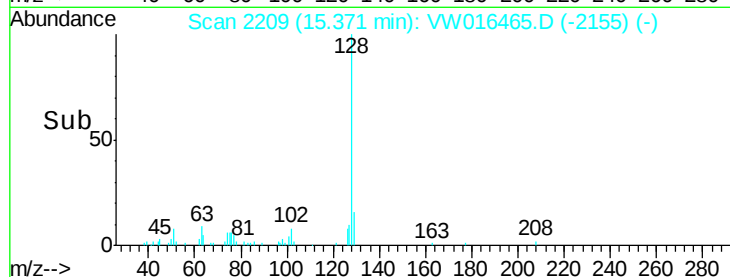
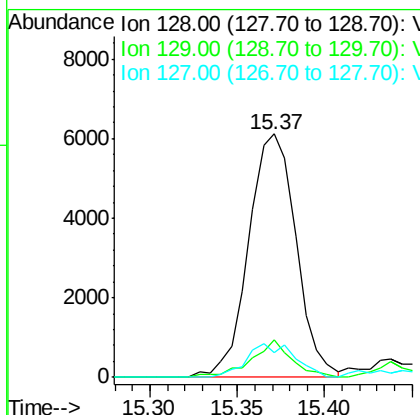
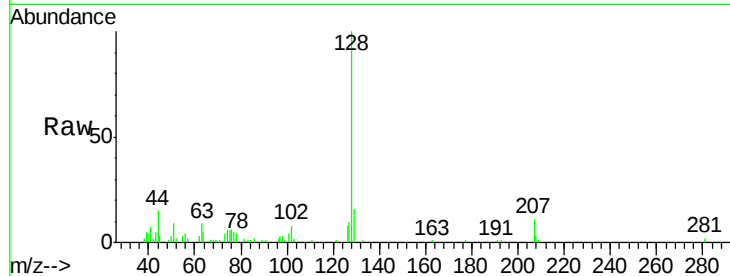
#69
Naphthalene
Concen: 0.509 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Resp	Lower	Upper
128	100	11533		
129	12.8	8.7	13.1	
127	8.6	10.5	15.7	

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#70
1,2,3-Trichlorobenzene
Concen: 0.578 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW016465.D
Acq: 04 Sep 2020 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	5330		
182	95.3	76.1	114.1	
145	35.0	28.1	42.1	

