

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120220\
 Data File : VW017524.D
 Acq On : 02 Dec 2020 16:15
 Operator : SY/VA
 Sample : MDLCHECK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:05:47 PM

Quant Time: Dec 03 03:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	485058	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	435077	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	211653	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153386	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
7) Chloroethane-d5	2.90	69	119685	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
11) 1,1-Dichloroethene-d2	4.03	63	251467	19.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.36%
21) 2-Butanone-d5	7.09	46	73081	46.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.12%
24) Chloroform-d	7.65	84	300409	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	8.30	65	163284m	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
32) Benzene-d6	8.27	84	609914	25.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.88%
36) 1,2-Dichloropropane-d6	9.27	67	173252	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	10.32	98	553482	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	10.58	79	77746	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
47) 2-Hexanone-d5	10.93	63	47633	48.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.38%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	132904	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.28%
66) 1,2-Dichlorobenzene-d4	13.86	152	195698	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	4709	1.270 ug/L	100
3) Chloromethane	2.21	50	5855	1.477 ug/L	97
5) Vinyl chloride	2.37	62	8277	1.459 ug/L #	12
6) Bromomethane	2.79	94	5531	1.434 ug/L	86
8) Chloroethane	2.93	64	5107	1.433 ug/L	90
9) Trichlorofluoromethane	3.27	101	6055	1.098 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10222	1.599 ug/L #	44
12) 1,1-Dichloroethene	4.04	96	9409	1.546 ug/L #	1
13) Acetone	4.14	43	4060	3.268 ug/L	76
14) Carbon disulfide	4.40	76	21168	1.246 ug/L	96
15) Methyl Acetate	4.67	43	3859m	1.522 ug/L	
16) Methylene chloride	4.92	84	19996	2.847 ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	8305	1.316 ug/L	98
18) Methyl tert-butyl Ether	5.43	73	8889	1.222 ug/L #	63
19) 1,1-Dichloroethane	6.22	63	13869	1.272 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	7987	1.182 ug/L	100
22) 2-Butanone	7.18	43	5154	2.766 ug/L	91

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Quant Time: Dec 03 03:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	4116	1.302	ug/L	99
25) Chloroform	7.68	83	15352	1.318	ug/L	96
27) 1,2-Dichloroethane	8.40	62	9142	1.234	ug/L #	90
29) Cyclohexane	7.96	56	11105	1.224	ug/L	98
30) 1,1,1-Trichloroethane	7.88	97	12225	1.282	ug/L	98
31) Carbon tetrachloride	8.07	117	11597	1.248	ug/L	98
33) Benzene	8.33	78	31774	1.331	ug/L	100
34) Trichloroethene	9.09	95	8385	1.273	ug/L	97
35) Methylcyclohexane	9.34	83	13236	1.247	ug/L	97
37) 1,2-Dichloropropane	9.37	63	7327	1.257	ug/L #	96
38) Bromodichloromethane	9.65	83	10041	1.233	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	10693	1.166	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	9594	2.929	ug/L	97
42) Toluene	10.39	91	33734	1.314	ug/L	91
44) trans-1,3-Dichloropropene	10.60	75	13434	1.634	ug/L	92
45) 1,1,2-Trichloroethane	10.79	97	5676	1.232	ug/L	89
46) Tetrachloroethene	10.87	164	7120	1.302	ug/L	98
48) 2-Hexanone	10.97	43	6181	2.729	ug/L #	48
49) Dibromochloromethane	11.13	129	6725	1.171	ug/L	96
50) 1,2-Dibromoethane	11.24	107	5462	1.214	ug/L	93
51) Chlorobenzene	11.66	112	21368	1.257	ug/L	97
52) Ethylbenzene	11.73	91	36270	1.249	ug/L	98
53) m,p-Xylene	11.84	106	12819	1.169	ug/L	100
54) o-Xylene	12.17	106	12068	1.159	ug/L	97
55) Styrene	12.18	104	19237	1.081	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	6972	1.297	ug/L #	87
59) Bromoform	12.35	173	3724	1.134	ug/L #	96
60) Isopropylbenzene	12.47	105	32498	1.174	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	5073	1.309	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	25490	1.130	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	26488	1.188	ug/L	97
64) 1,3-Dichlorobenzene	13.51	146	16850	1.281	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	18587	1.392	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	15435	1.293	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.49	75	1362	1.534	ug/L	94
69) 1,3,5-Trichlorobenzene	14.63	180	12396	1.289	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	11487	1.421	ug/L	96
71) Naphthalene	15.36	128	15895	1.172	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	11325	1.624	ug/L	93

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

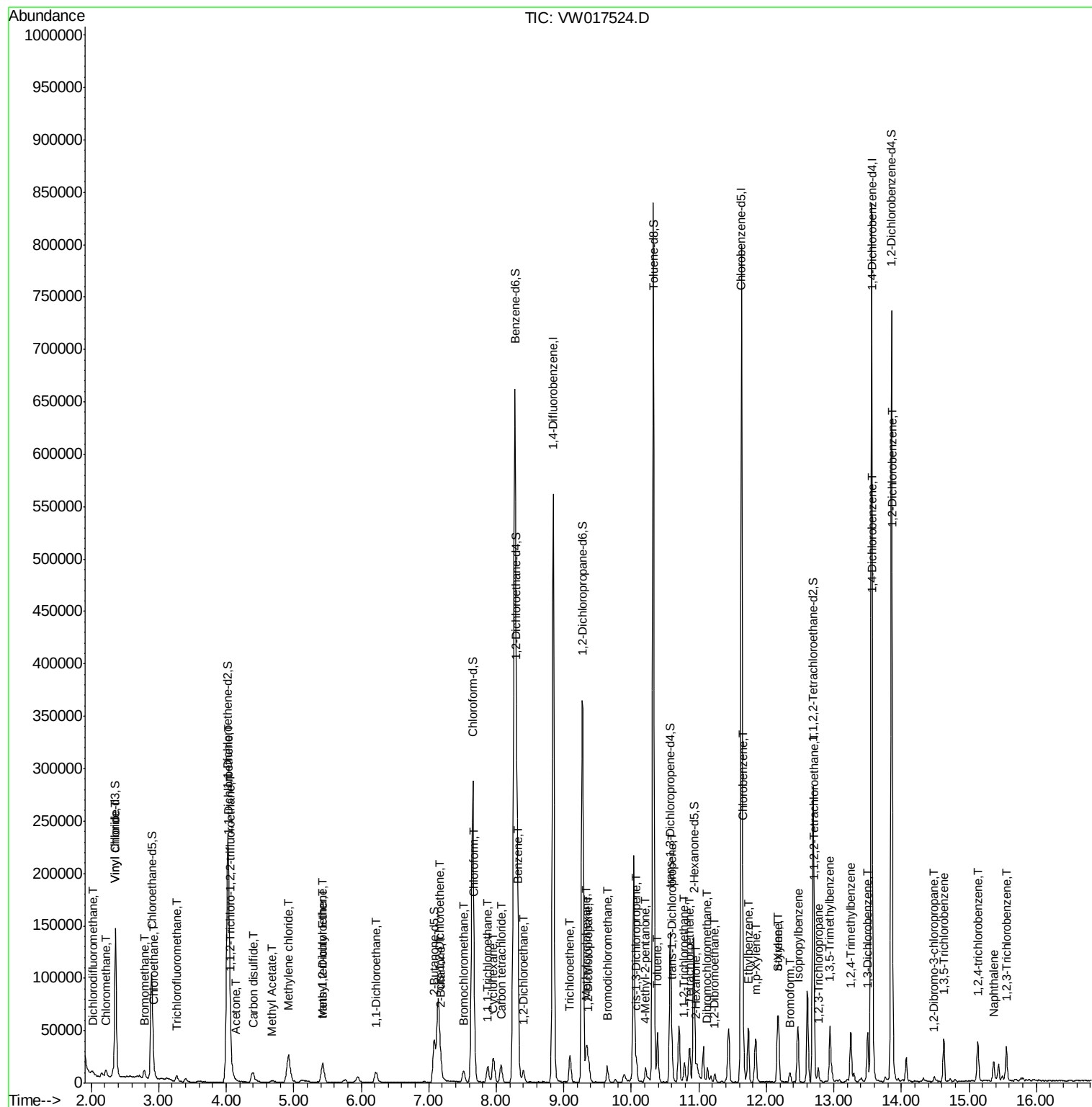
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120220\
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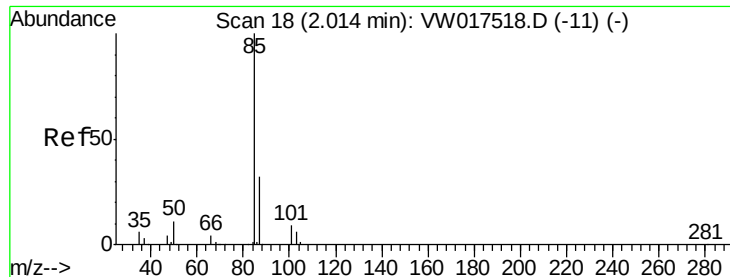
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.270 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

Tot Ion: 85 Resp: 4709

Ion Ratio Lower Upper

85 100

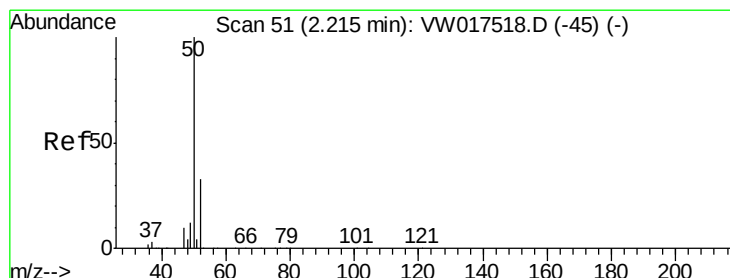
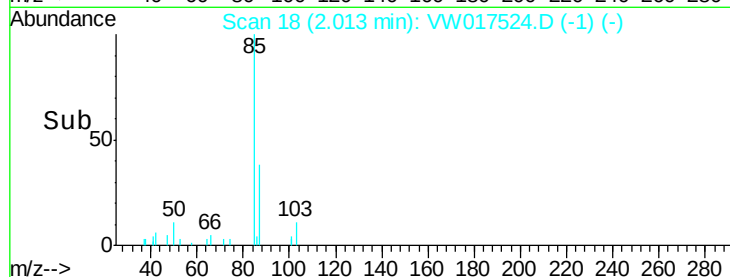
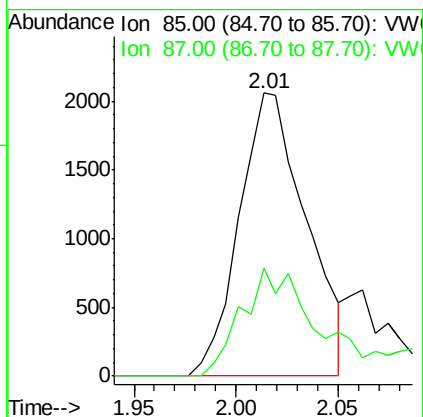
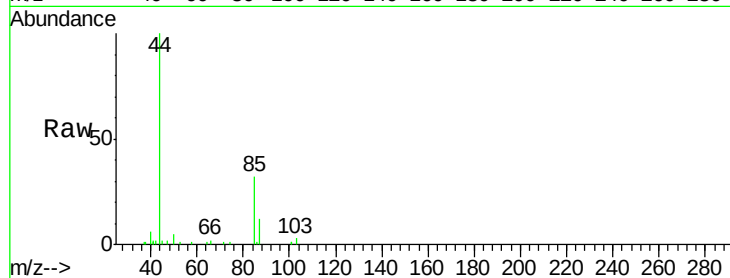
87 35.3 28.5 42.7

Manual Integrations

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#3

Chloromethane

Concen: 1.477 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017524.D

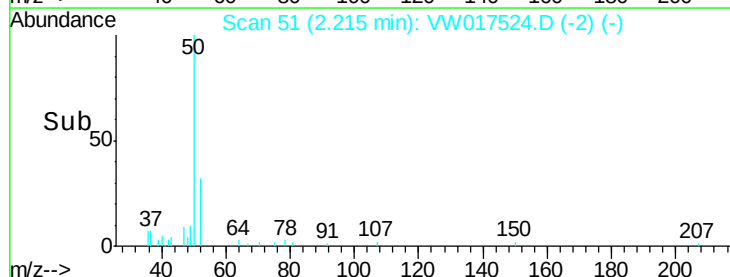
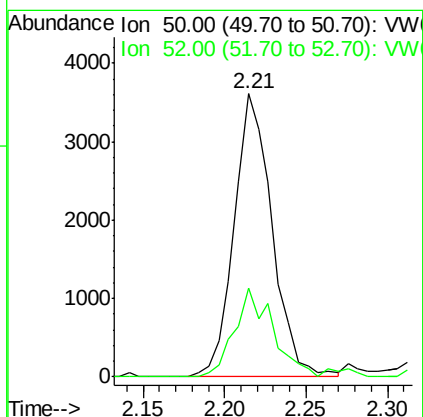
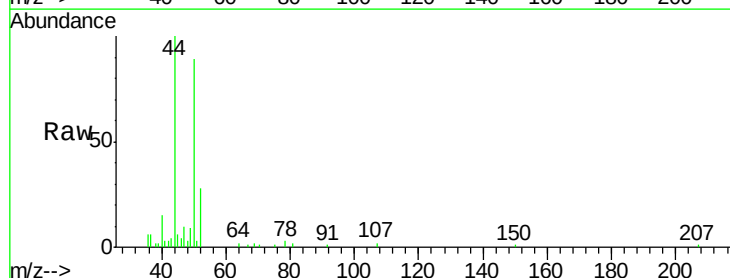
Acq: 02 Dec 2020 16:15

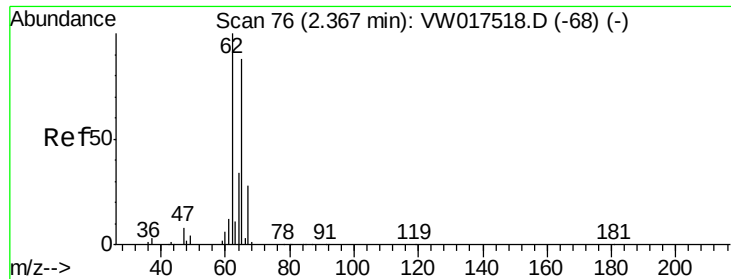
Tgt Ion: 50 Resp: 5855

Ion Ratio Lower Upper

50 100

52 31.2 23.2 43.2





#5

Vinyl chloride

Concen: 1.459 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

Tot Ion: 62 Resp: 8277

Ion Ratio Lower Upper

62 100

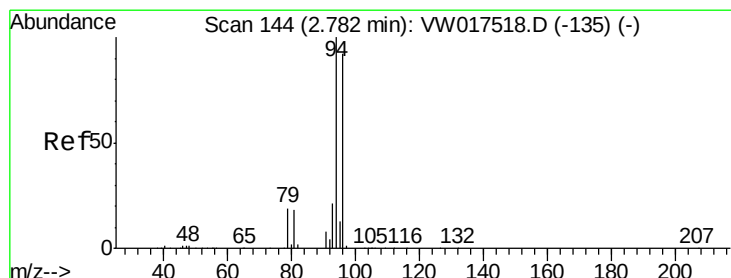
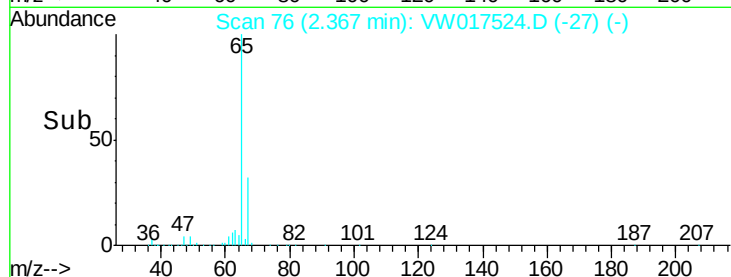
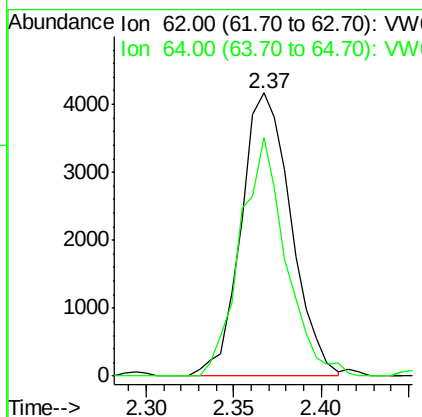
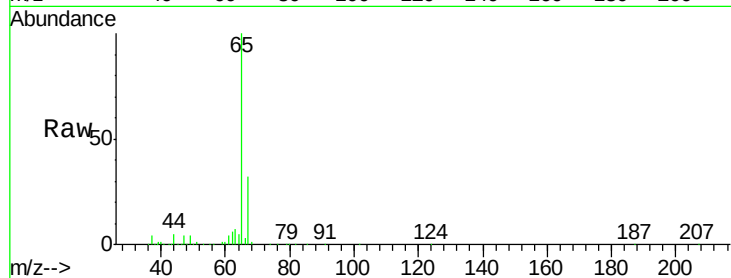
64 84.2 23.7 43.9#

Manual Integrations

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#6

Bromomethane

Concen: 1.434 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017524.D

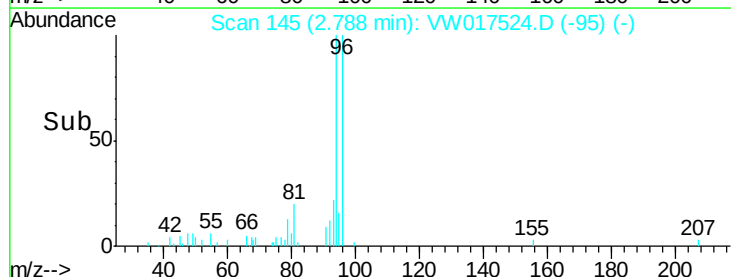
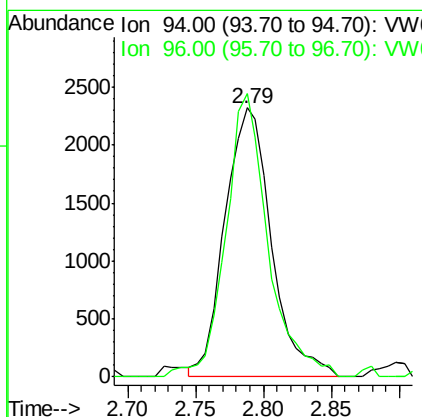
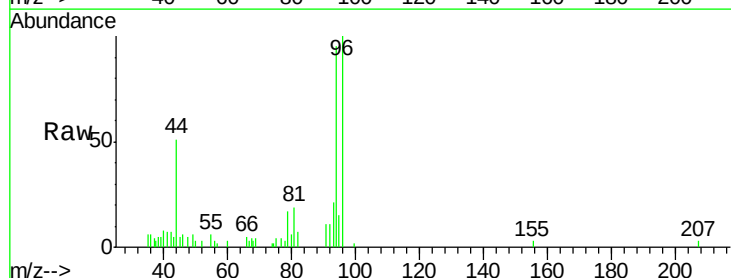
Acq: 02 Dec 2020 16:15

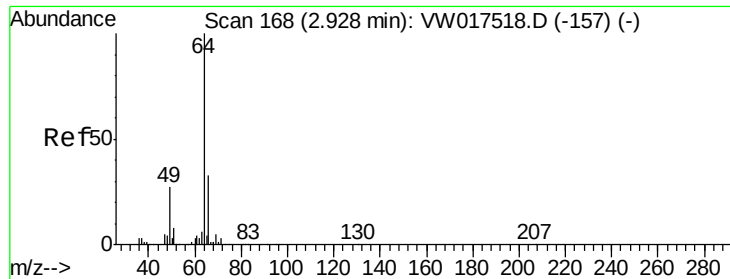
Tgt Ion: 94 Resp: 5531

Ion Ratio Lower Upper

94 100

96 105.3 64.2 119.2





#8

Chloroethane

Concen: 1.433 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

Tot Ion: 64 Resp: 5107

Ion Ratio Lower Upper

64 100

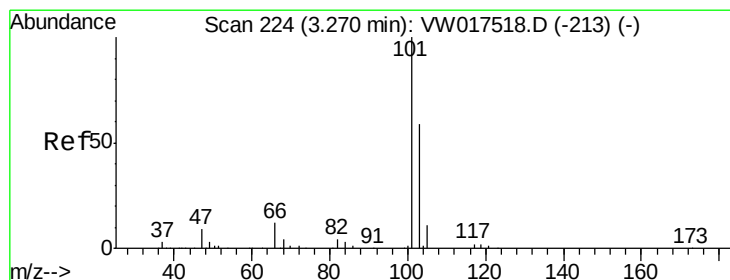
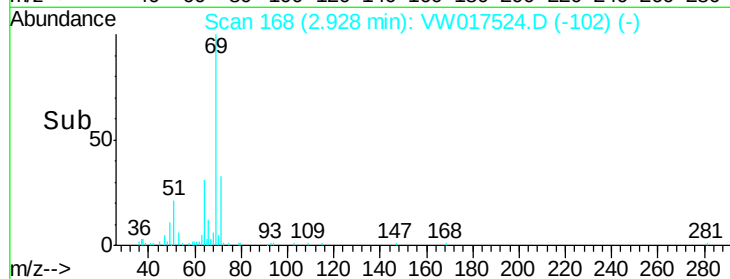
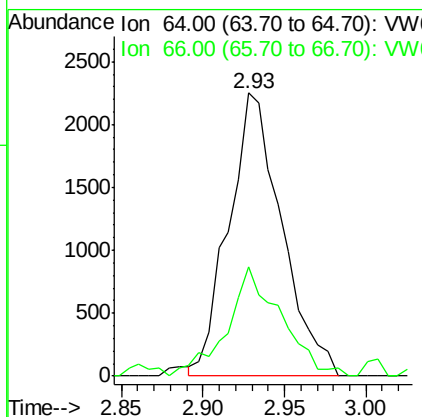
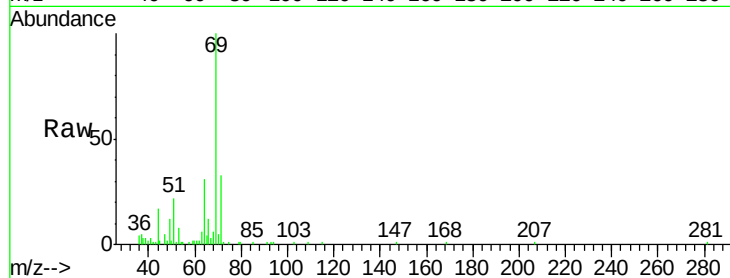
66 38.6 23.2 43.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.098 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017524.D

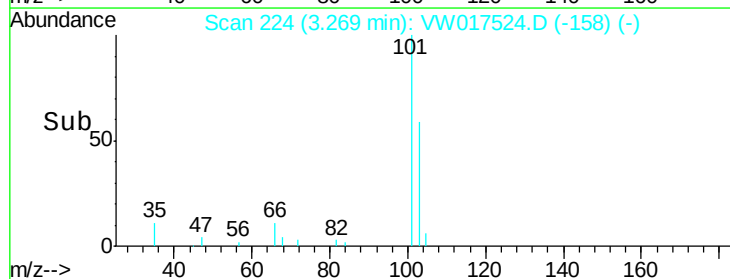
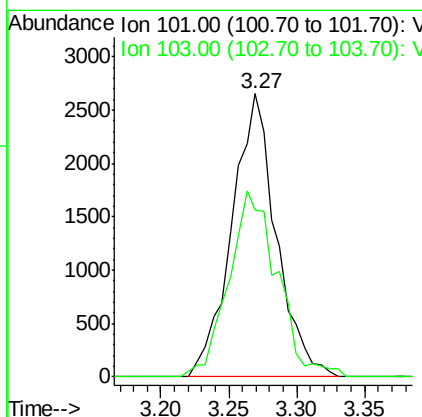
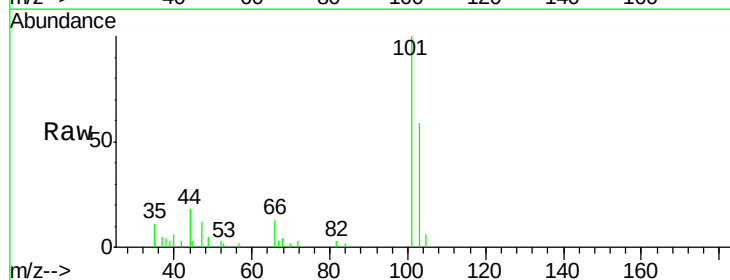
Acq: 02 Dec 2020 16:15

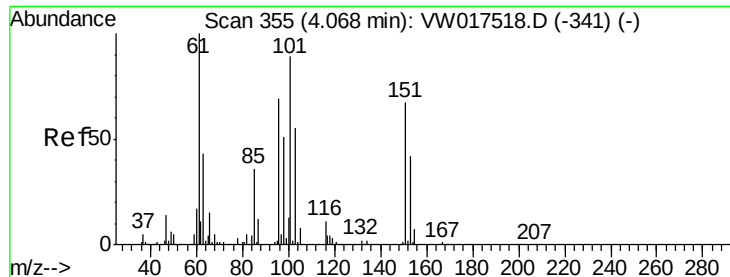
Tgt Ion: 101 Resp: 6055

Ion Ratio Lower Upper

101 100

103 69.4 50.6 75.8





#10

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

Concen: 1.599 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

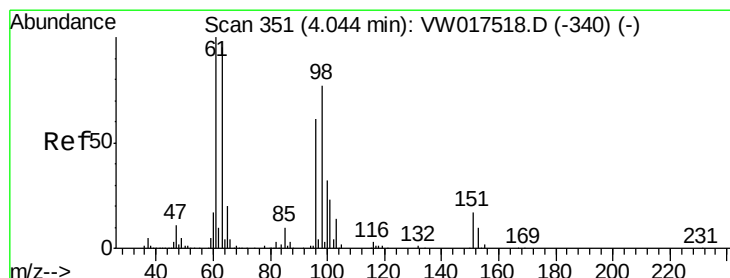
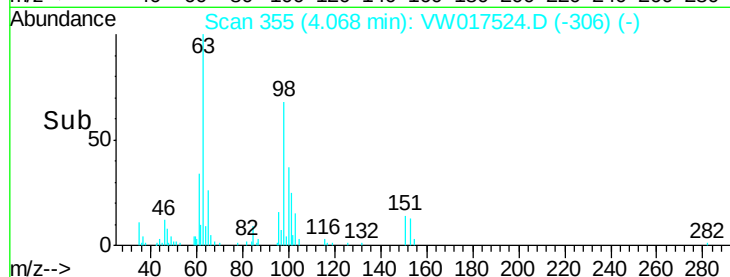
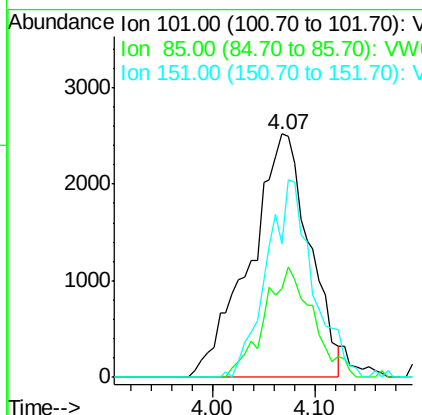
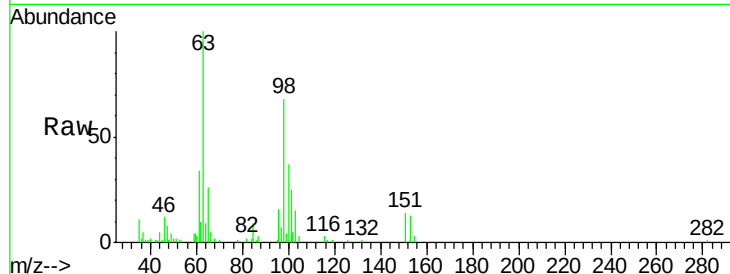
ClientSampleId :

MDLCHECK

Tot Ion:	101	Resp:	10222
Ion Ratio	Lower	Upper	
101	100		
85	12.8	34.0	51.0#
151	25.1	62.8	94.2#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.546 ug/L

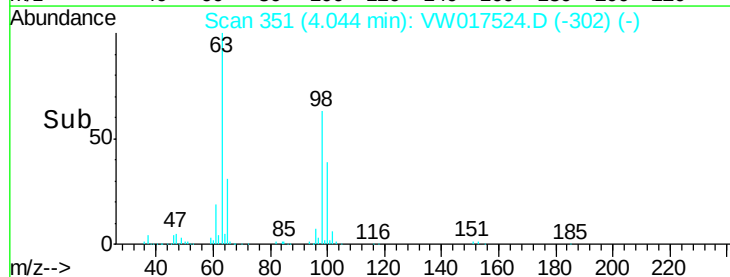
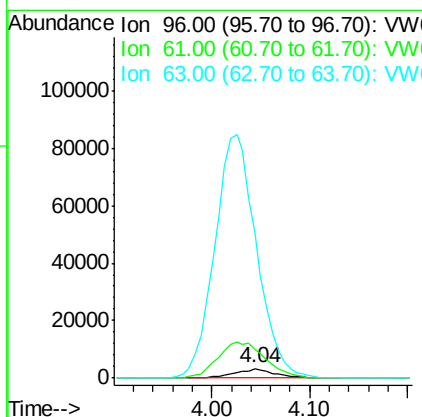
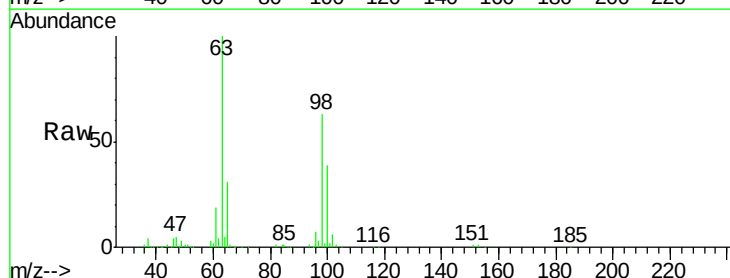
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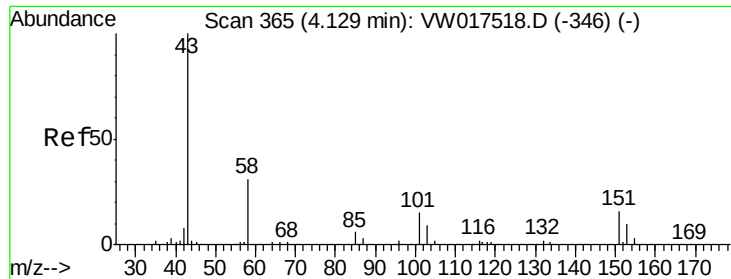
Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion:	96	Resp:	9409
Ion Ratio	Lower	Upper	
96	100		
61	295.2	115.0	213.6#
63	1527.4	112.7	209.3#





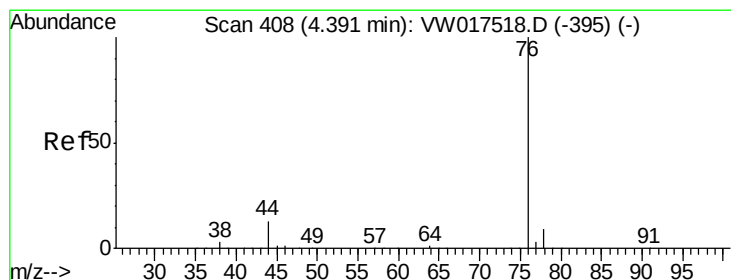
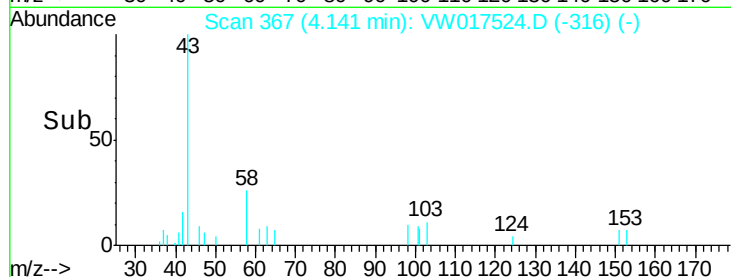
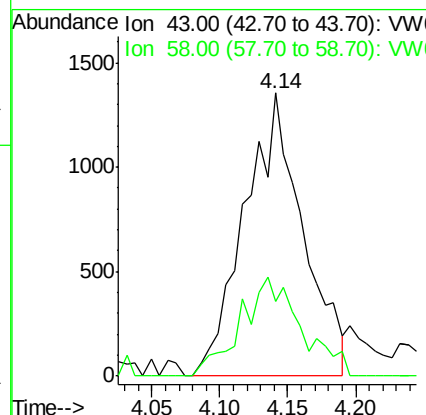
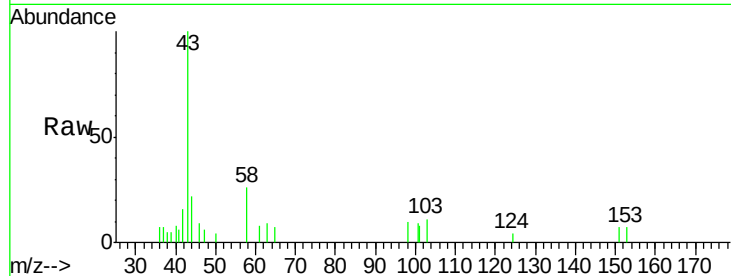
#13
Acetone
Concen: 3.268 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	16.8		0.0	59.2	

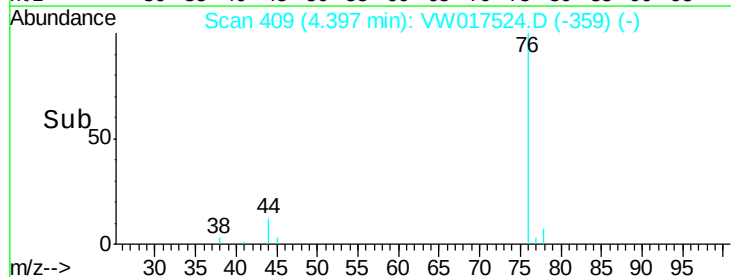
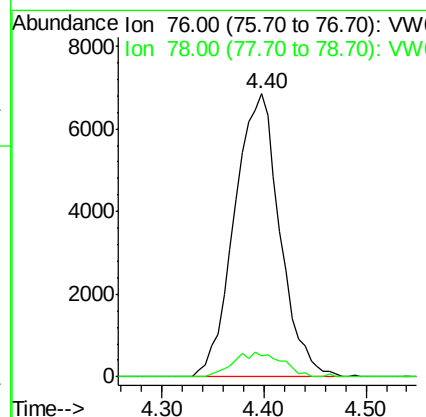
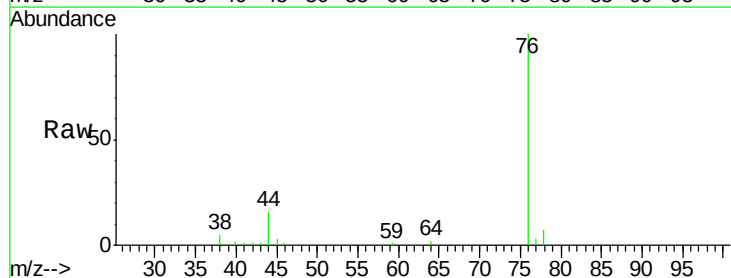
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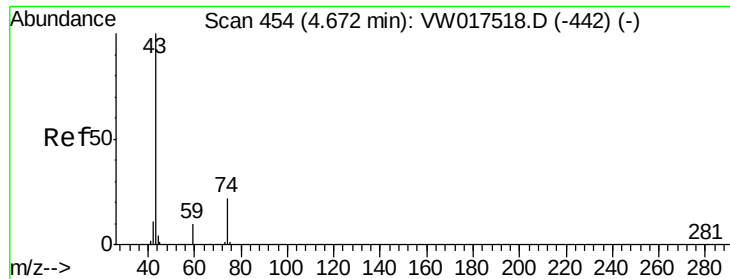
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#14
Carbon disulfide
Concen: 1.246 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	76	78	Ratio	Lower	Upper
76	100				
78	7.2		7.0	10.6	





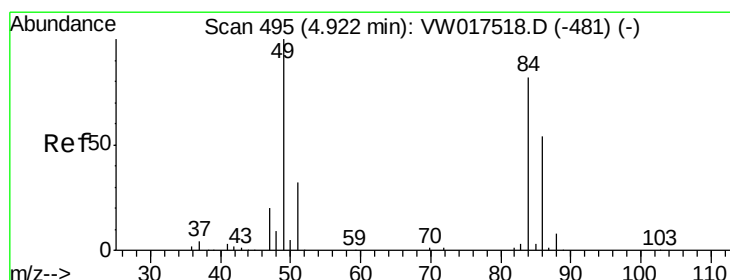
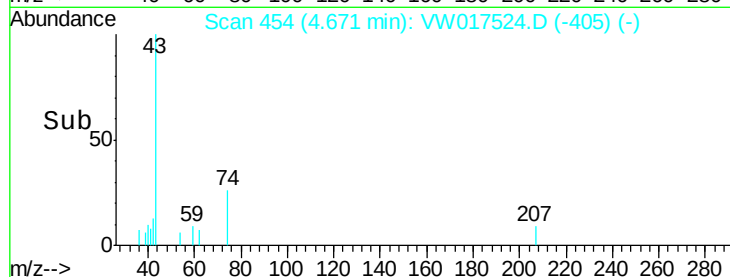
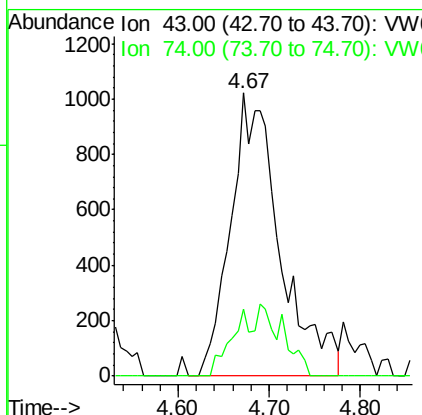
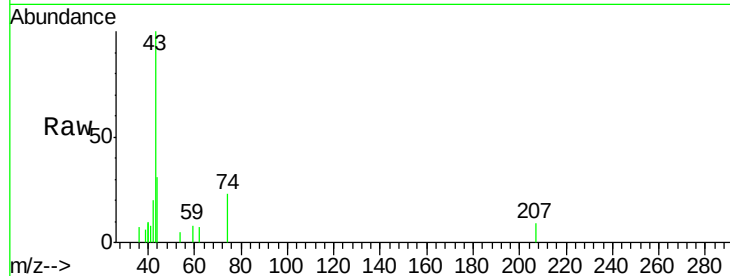
#15
Methyl Acetate
Concen: 1.522 ug/L m
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion: 43 Resp: 3859
Ion Ratio Lower Upper
43 100
74 9.1 19.0 28.4#

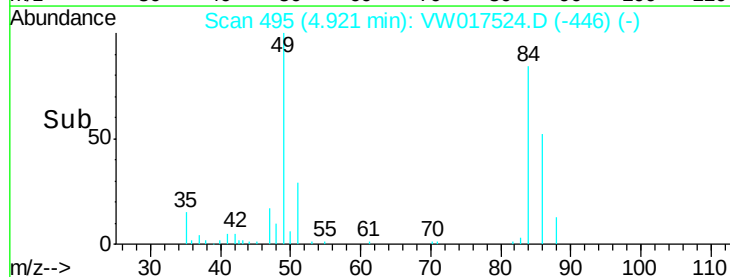
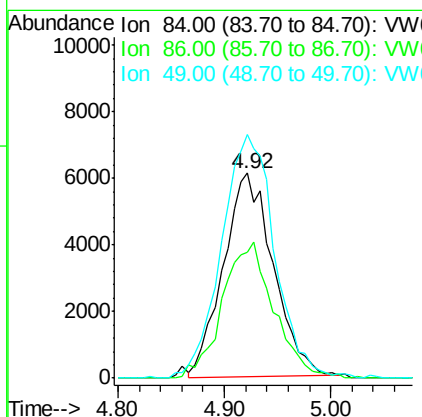
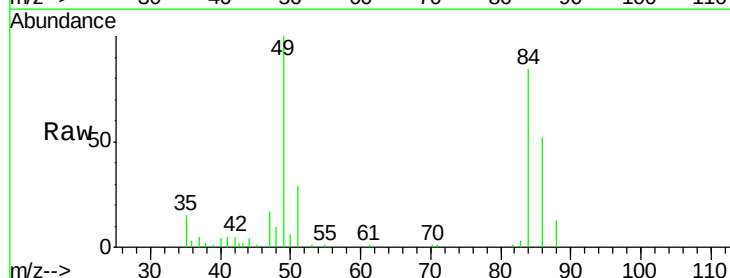
Manual Integrations
APPROVED

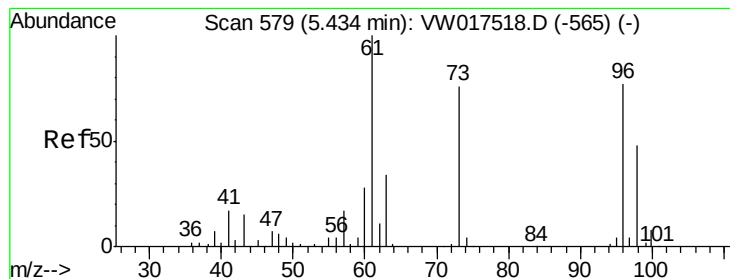
MMDadoda
12/7/2020 12:05:47 PM



#16
Methylene chloride
Concen: 2.847 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 84 Resp: 19996
Ion Ratio Lower Upper
84 100
86 61.8 46.2 85.8
49 119.0 85.0 158.0





#17

trans-1,2-Dichloroethene

Concen: 1.316 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

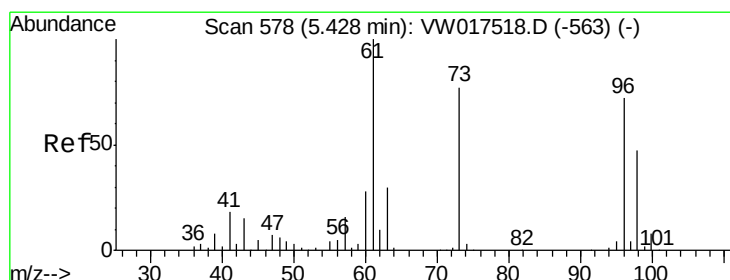
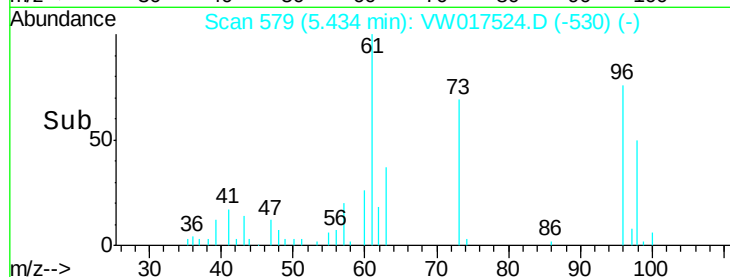
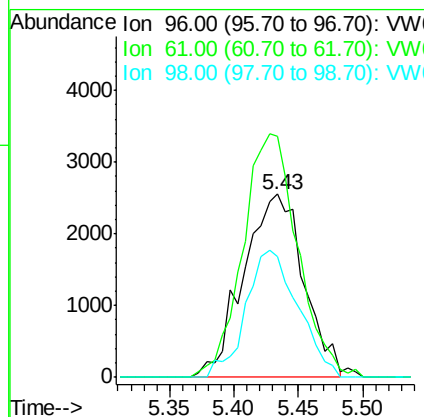
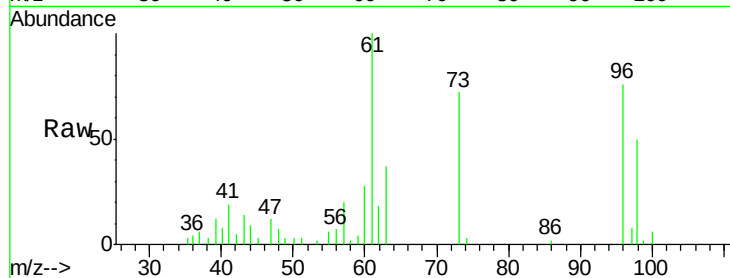
ClientSampleId :

MDLCHECK

Tot Ion:	96	Resp:	8305
Ion	Ratio	Lower	Upper
96	100		
61	132.1	91.4	169.8
98	66.3	44.0	81.8

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.222 ug/L

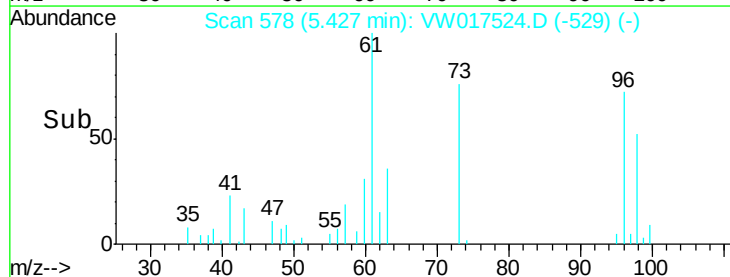
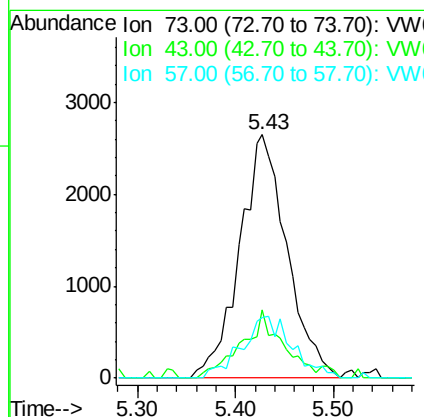
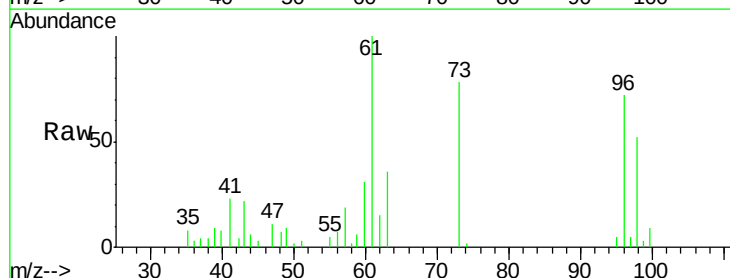
RT: 5.43 min Scan# 578

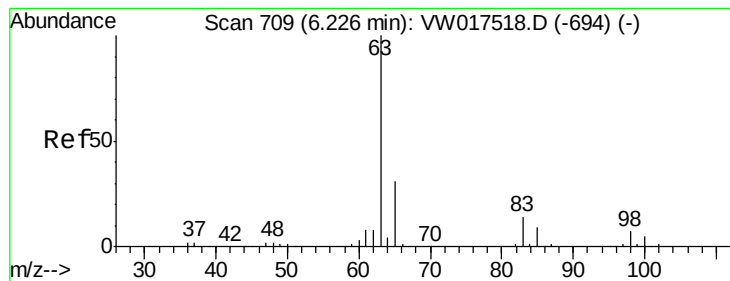
Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion:	73	Resp:	8889
Ion	Ratio	Lower	Upper
73	100		
43	1.9	16.0	24.0#
57	5.6	17.4	26.0#





#19

1,1-Dichloroethane

Concen: 1.272 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

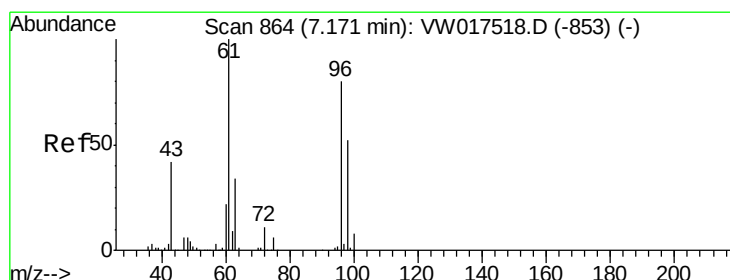
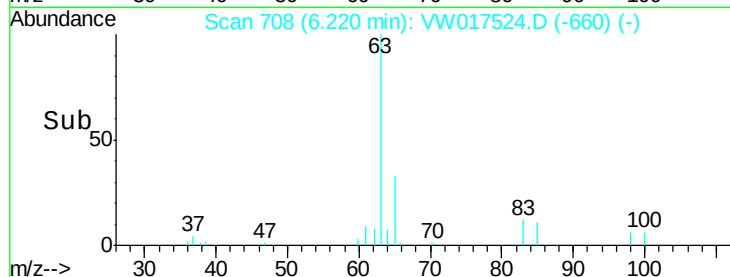
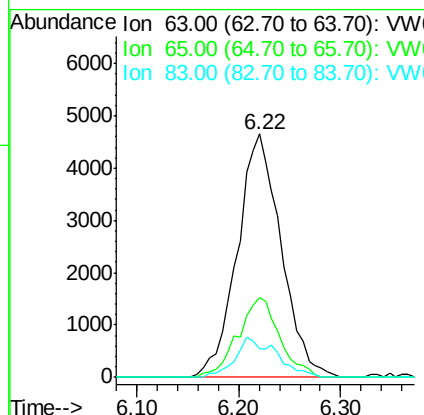
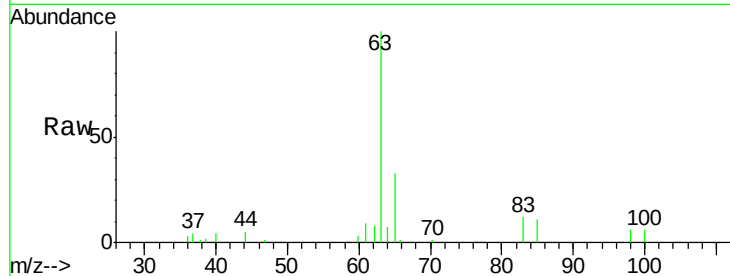
ClientSampleId :

MDLCHECK

Tot Ion:	63	Resp:	13869
Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.3	39.6
83	11.7	9.4	17.6

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#20

cis-1,2-Dichloroethene

Concen: 1.182 ug/L

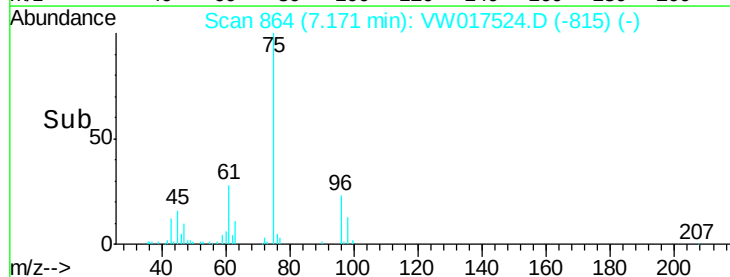
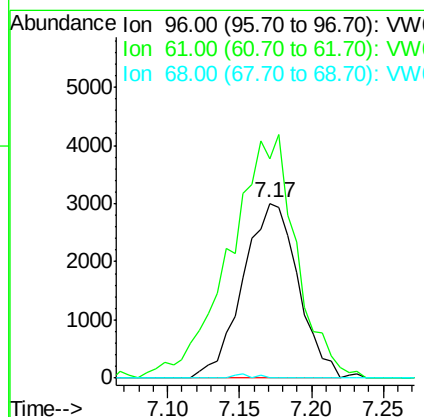
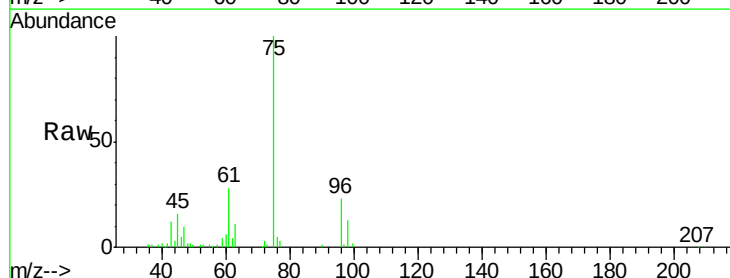
RT: 7.17 min Scan# 864

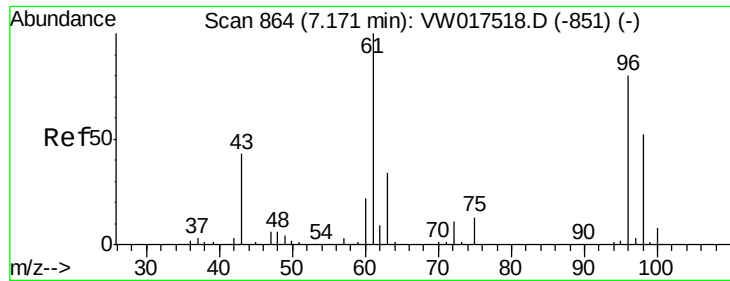
Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion:	96	Resp:	7987
Ion	Ratio	Lower	Upper
96	100		
61	125.2	88.0	163.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.766 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampled :

MDLCHECK

Tot Ion: 43 Resp: 5154

Ion Ratio Lower Upper

43 100

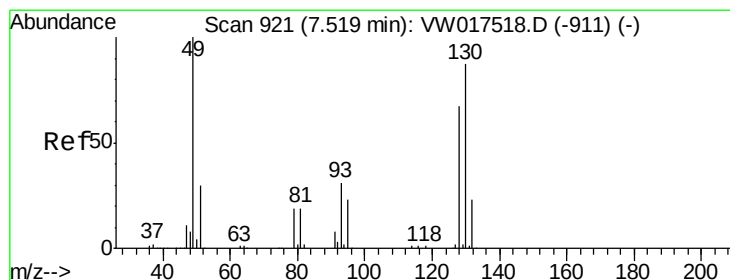
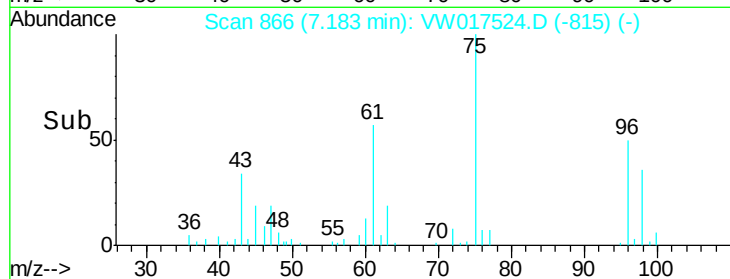
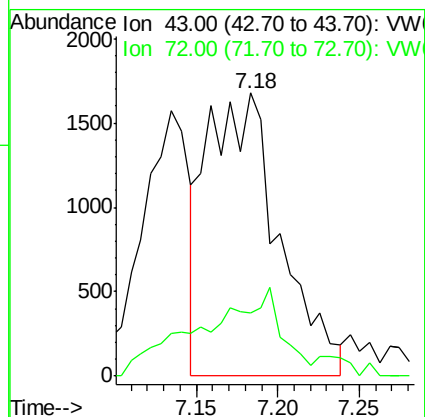
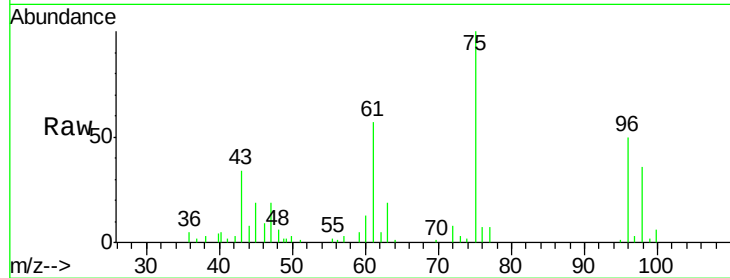
72 10.5 7.0 21.1

Manual Integrations

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#23

Bromochloromethane

Concen: 1.302 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion: 128 Resp: 4116

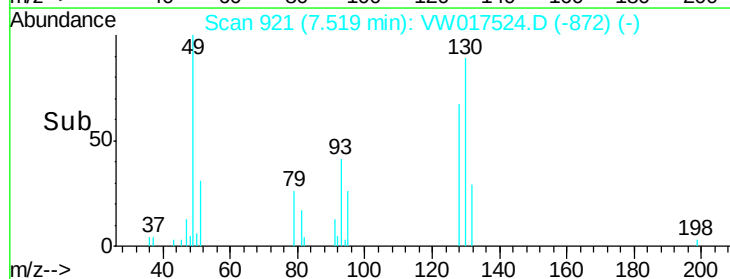
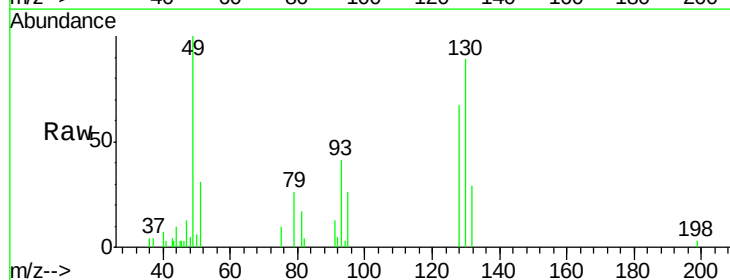
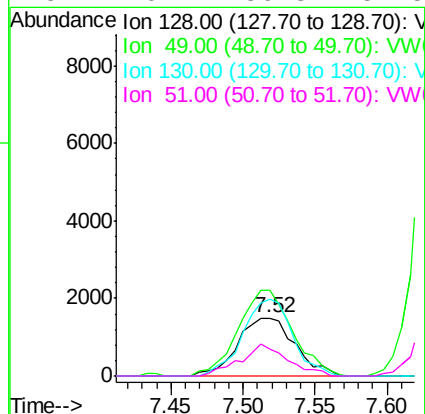
Ion Ratio Lower Upper

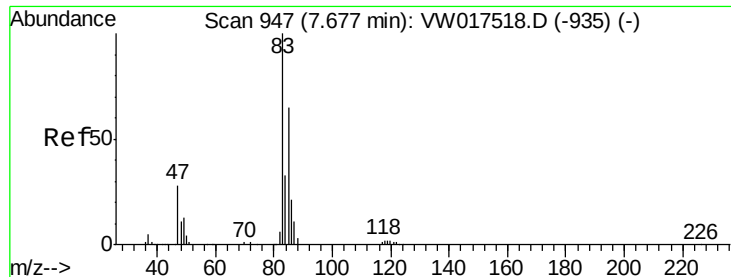
128 100

49 149.5 104.7 194.4

130 133.2 90.8 168.6

51 46.7 36.3 54.5





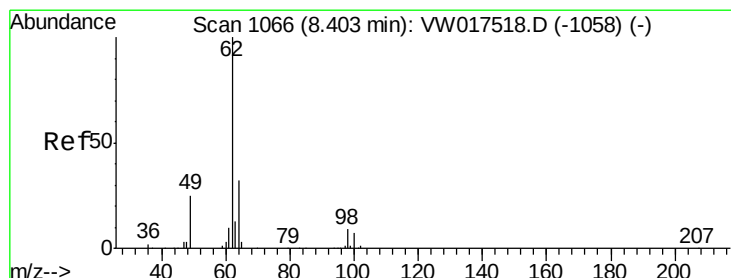
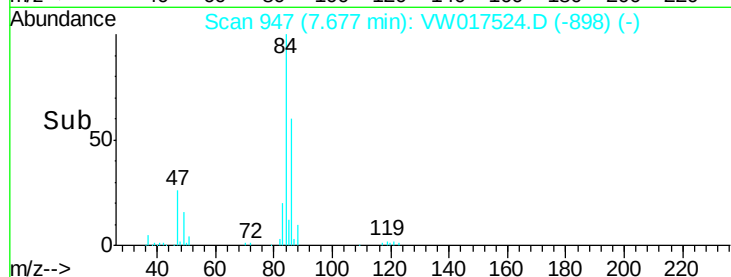
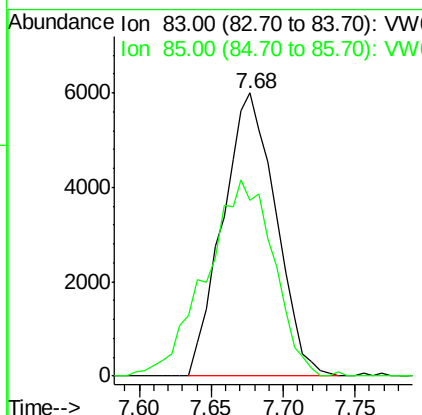
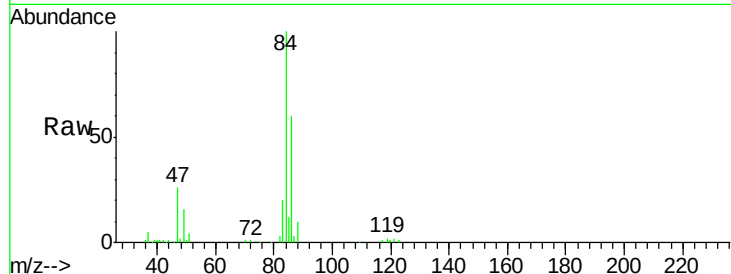
#25
Chloroform
Concen: 1.318 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion	83	Resp	15352
Ion Ratio	Lower	Upper	
83	100		
85	62.3	45.6	84.8

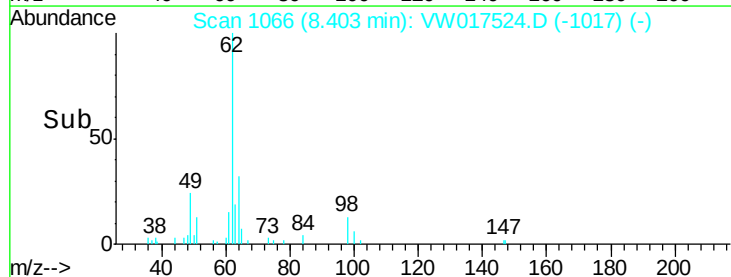
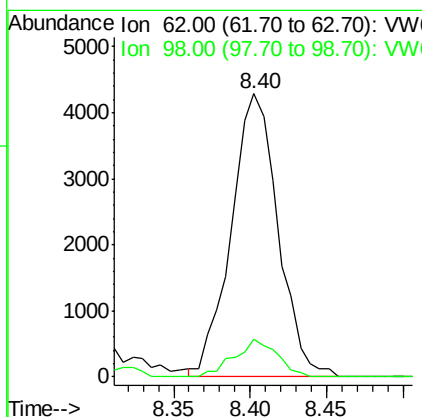
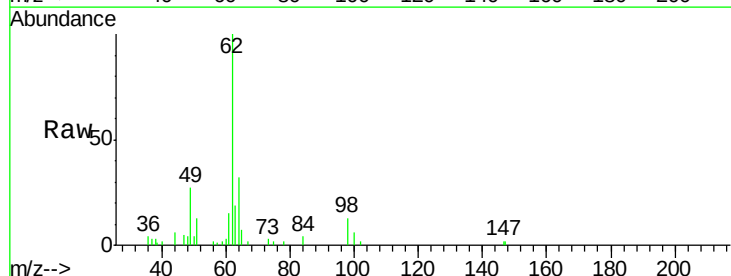
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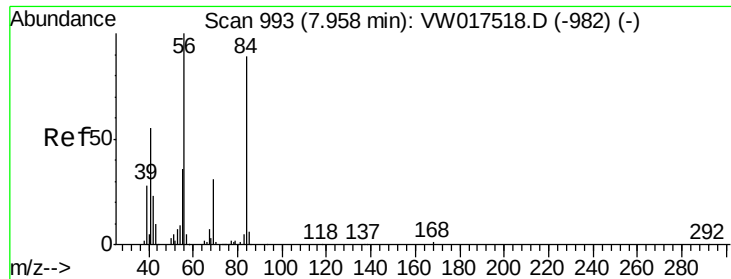
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#27
1,2-Dichloroethane
Concen: 1.234 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	62	Resp	9142
Ion Ratio	Lower	Upper	
62	100		
98	13.1	7.4	11.2#





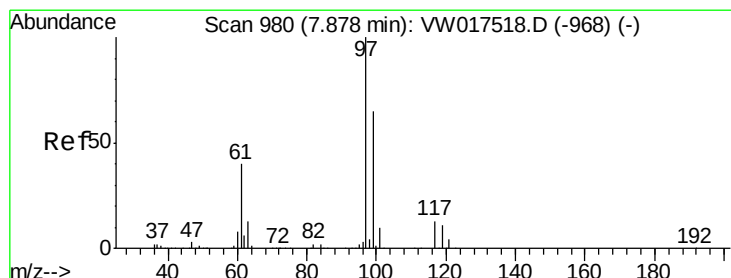
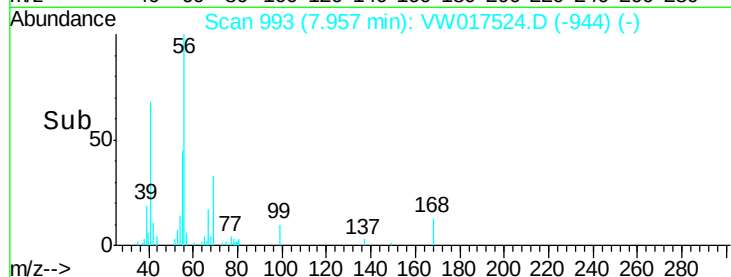
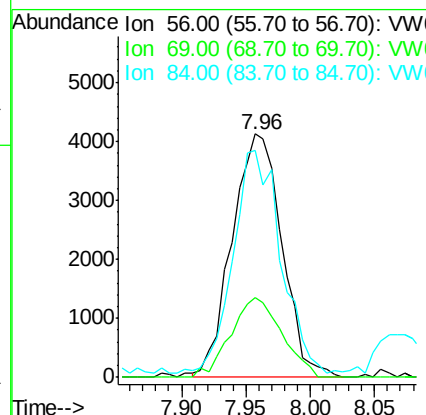
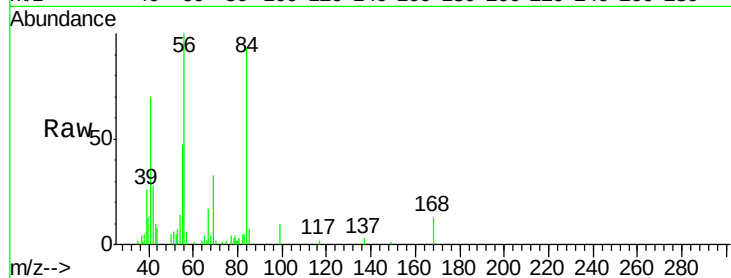
#29
Cyclohexane
Concen: 1.224 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampled :
MDLCHECK

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.8	37.2
84	91.0	73.3	109.9

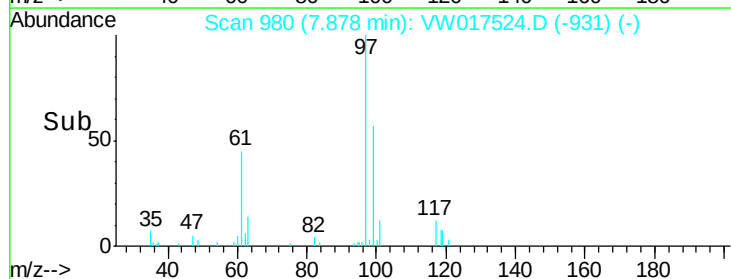
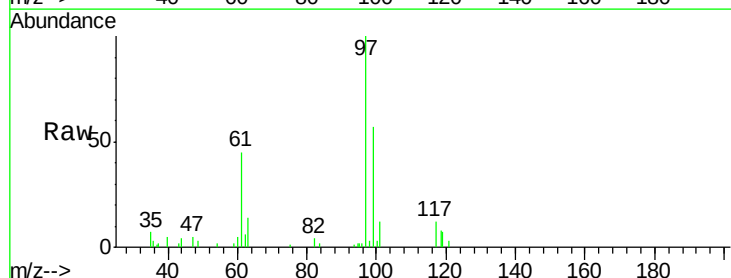
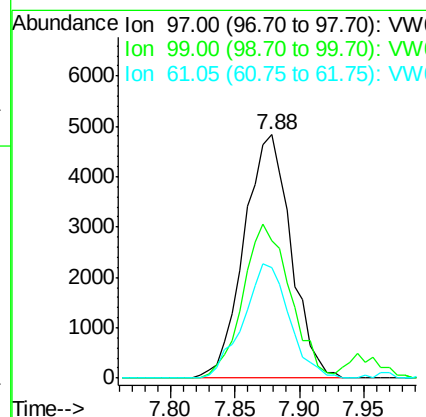
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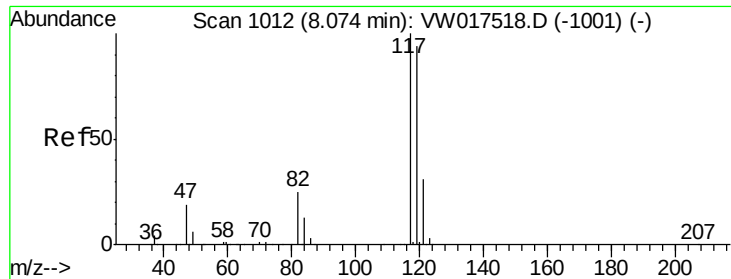
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.282 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	45.7	33.7	50.5





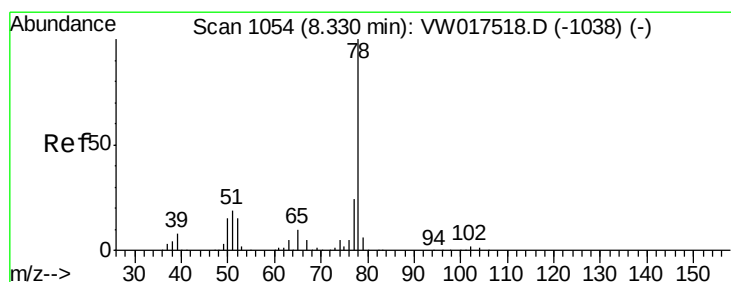
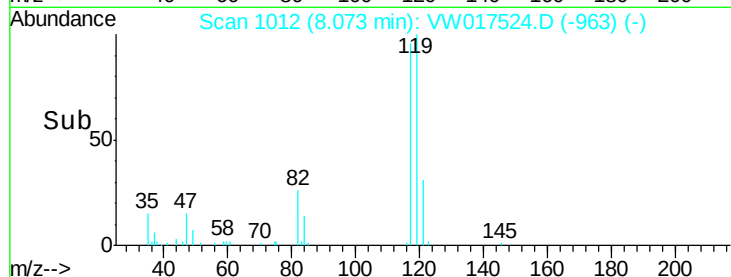
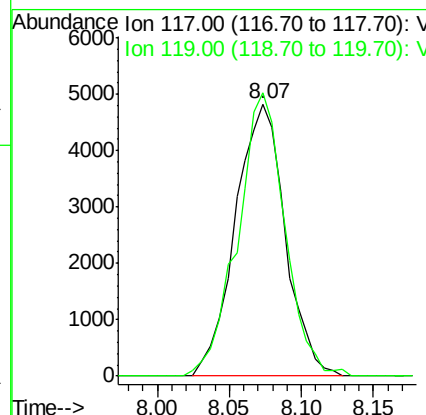
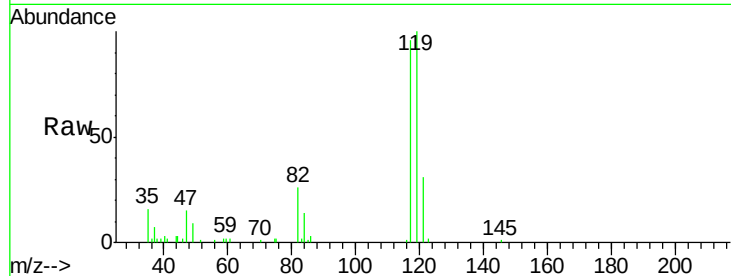
#31
Carbon tetrachloride
Concen: 1.248 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampled :
MDLCHECK

Tot Ion:117 Resp: 11597
Ion Ratio Lower Upper
117 100
119 97.8 76.6 114.8

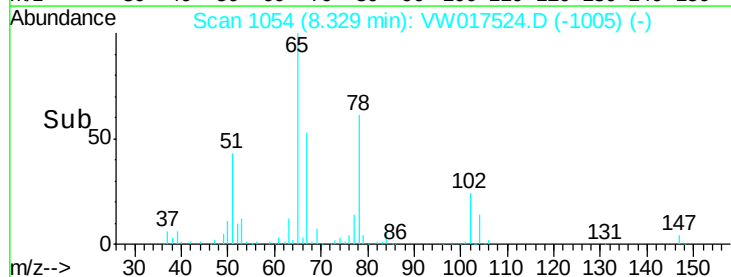
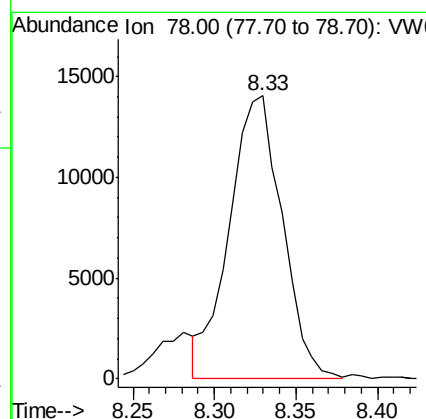
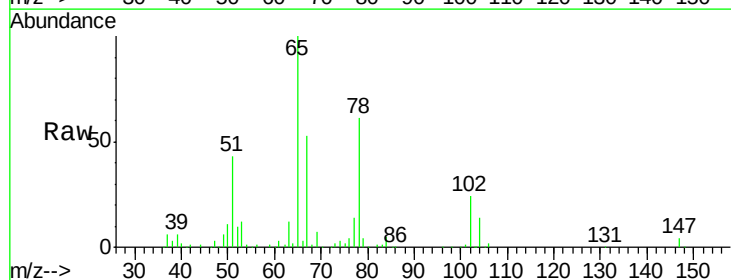
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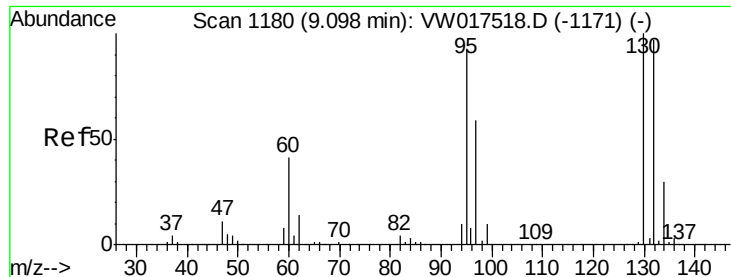
MMDadoda
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#33
Benzene
Concen: 1.331 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 78 Resp: 31774





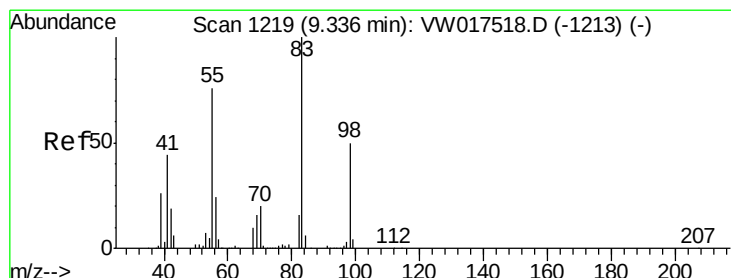
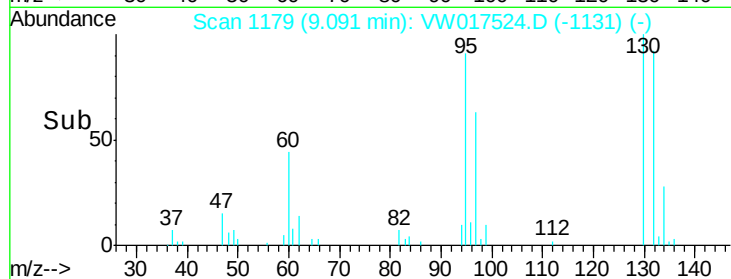
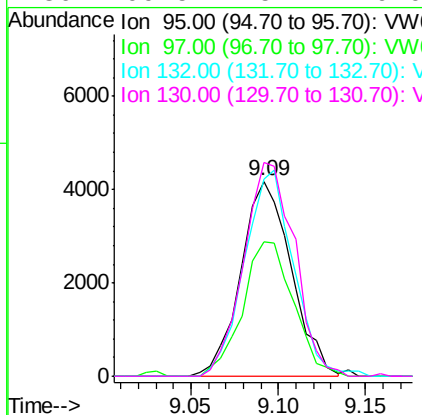
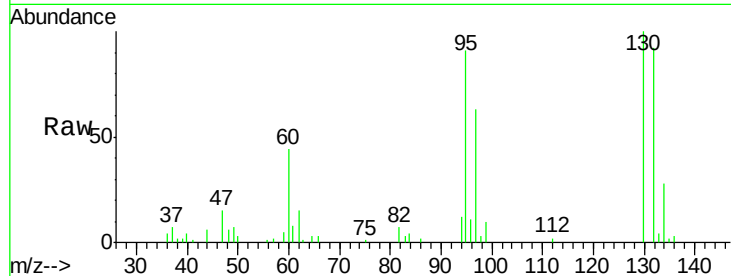
#34
 Trichloroethene
 Concen: 1.273 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion:	95	Resp:	8385
Ion	Ratio	Lower	Upper
95	100		
97	68.6	44.4	82.4
132	101.2	72.7	135.1
130	109.5	75.4	140.0

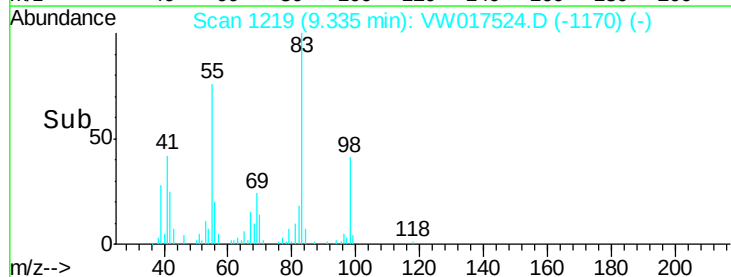
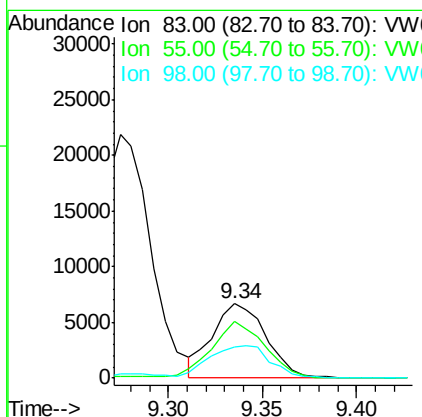
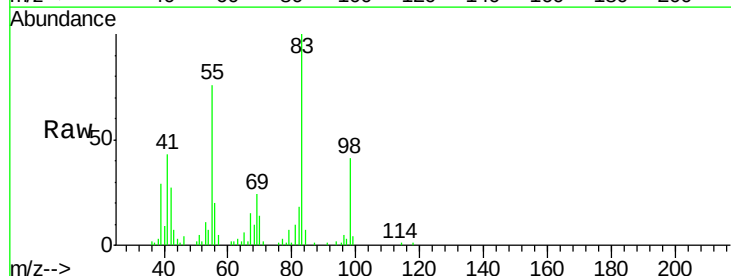
Manual Integrations
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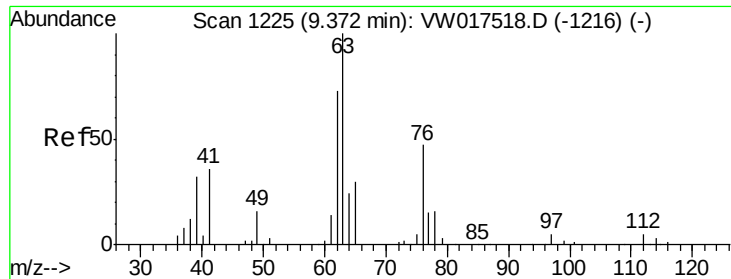
MMDadoda
 12/7/2020 12:05:47 PM



#35
 Methylcyclohexane
 Concen: 1.247 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion:	83	Resp:	13236
Ion	Ratio	Lower	Upper
83	100		
55	75.8	58.2	87.2
98	49.1	39.9	59.9





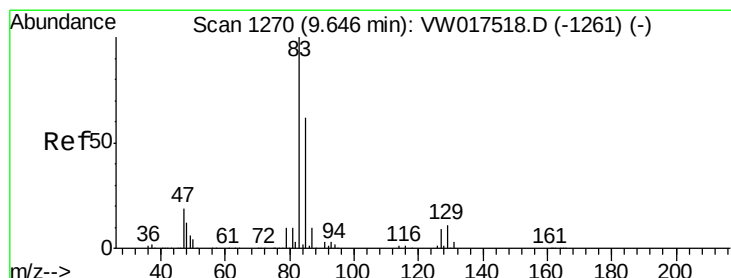
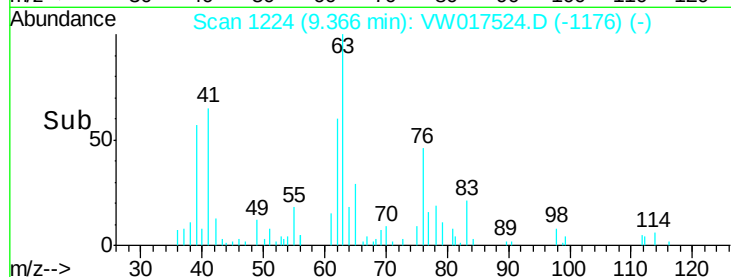
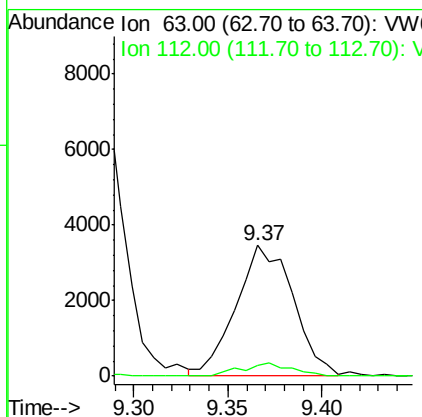
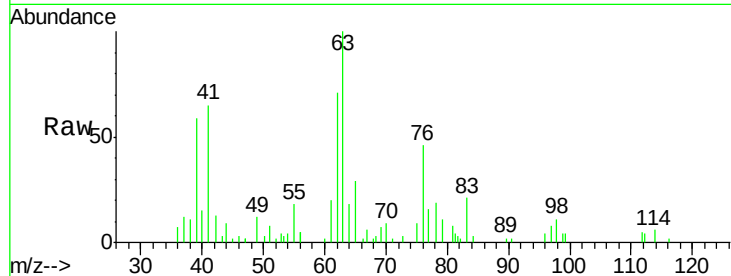
#37
 1,2-Dichloropropane
 Concen: 1.257 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion: 63 Resp: 7327
 Ion Ratio Lower Upper
 63 100
 112 6.3 3.8 5.8#

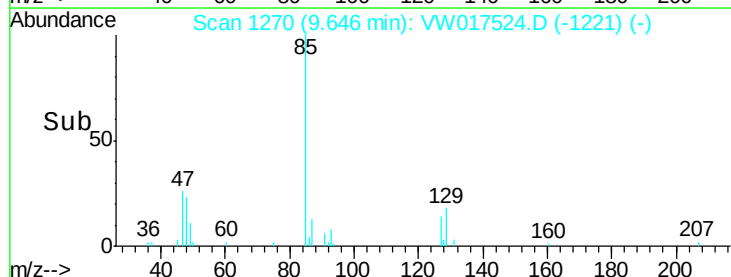
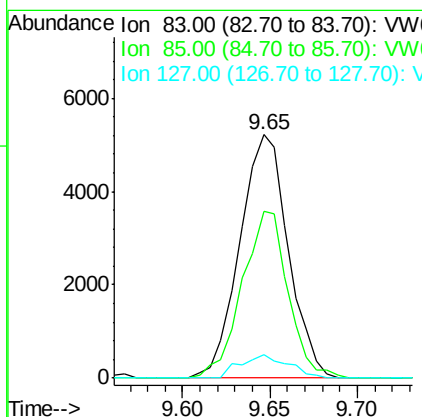
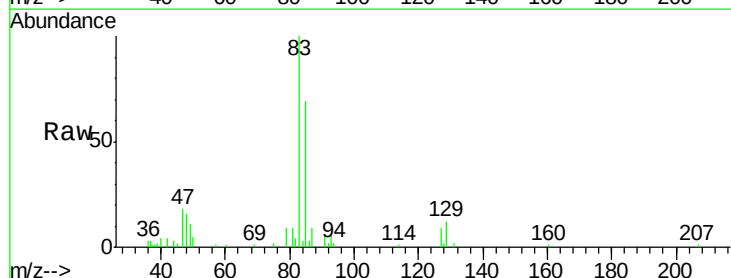
Manual Integrations
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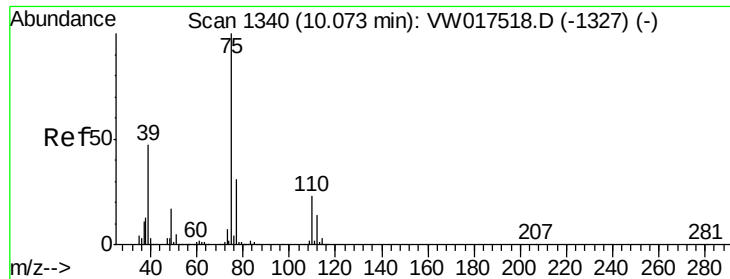
MMDadoda
 12/7/2020 12:05:47 PM



#38
 Bromodichloromethane
 Concen: 1.233 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 83 Resp: 10041
 Ion Ratio Lower Upper
 83 100
 85 68.6 43.3 80.5
 127 9.4 7.2 10.8





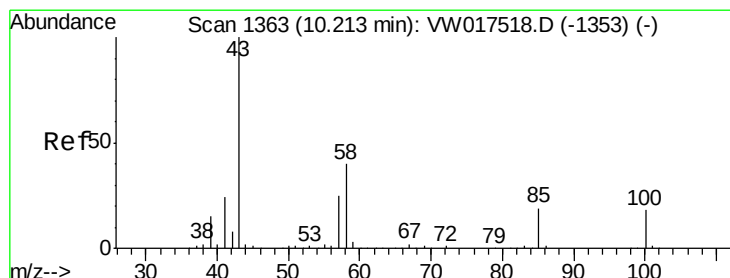
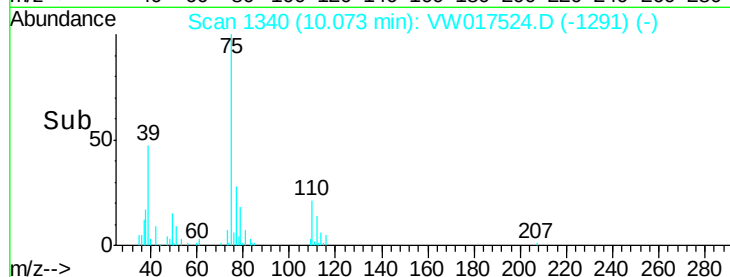
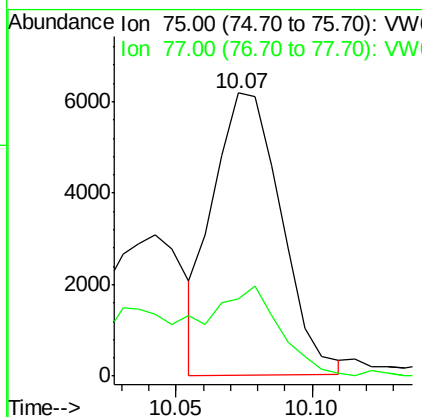
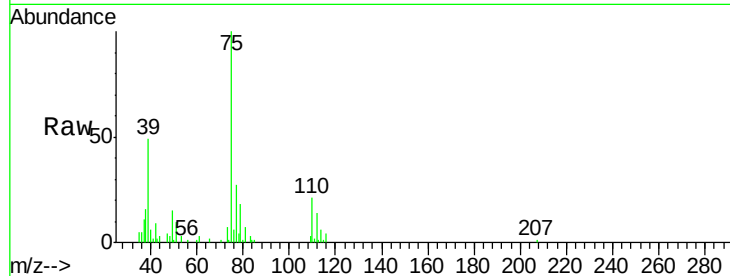
#39
 cis-1,3-Dichloropropene
 Concen: 1.166 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion: 75 Resp: 10693
 Ion Ratio Lower Upper
 75 100
 77 27.1 21.5 39.9

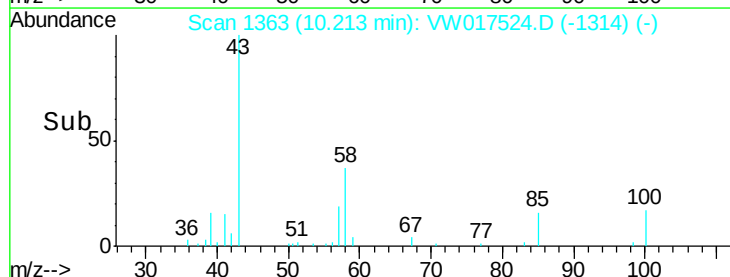
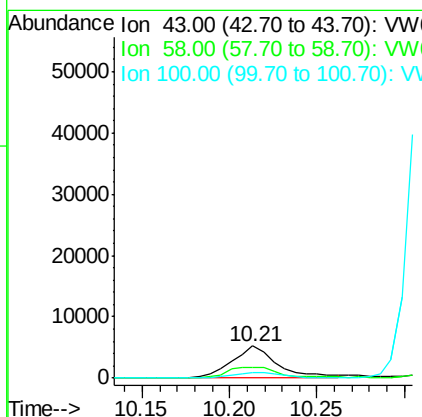
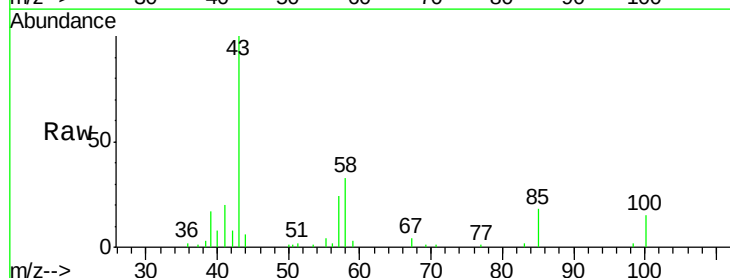
Manual Integrations
 APPROVED

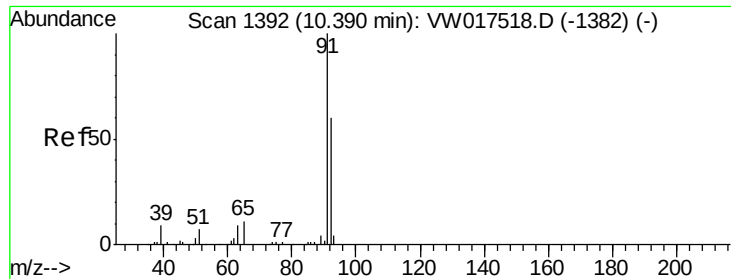
MMDadoda
 12/7/2020 12:05:47 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.929 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 43 Resp: 9594
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.8 46.2
 100 18.9 12.9 19.3





#42

Toluene

Concen: 1.314 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

Tot Ion: 91 Resp: 33734

Ion Ratio Lower Upper

91 100

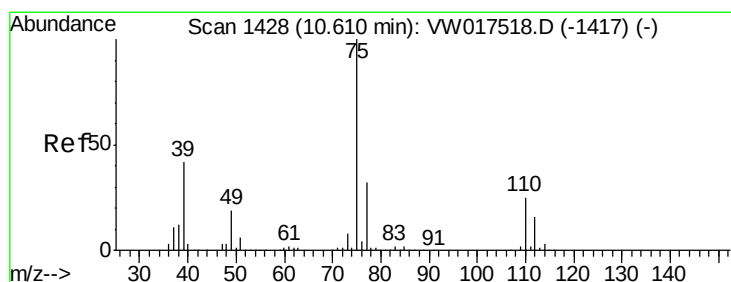
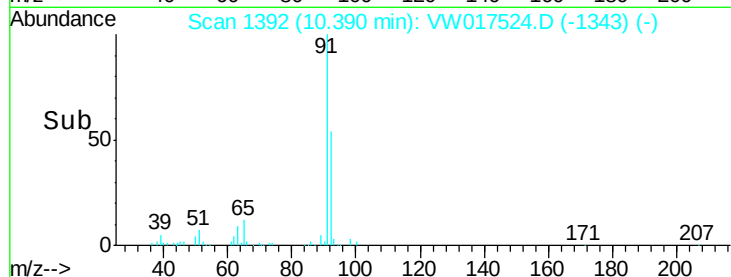
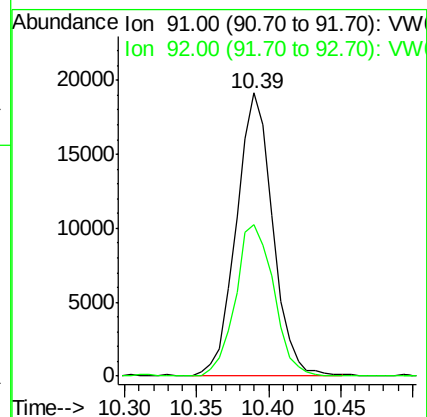
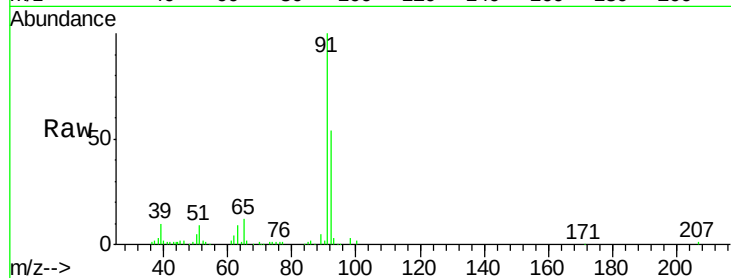
92 53.7 42.3 78.5

Manual Integrations

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MMDadoda

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#44

trans-1,3-Dichloropropene

Concen: 1.634 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017524.D

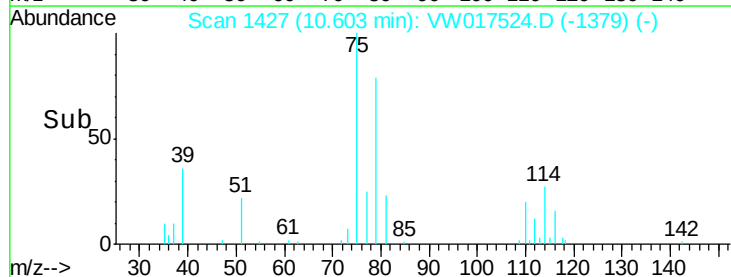
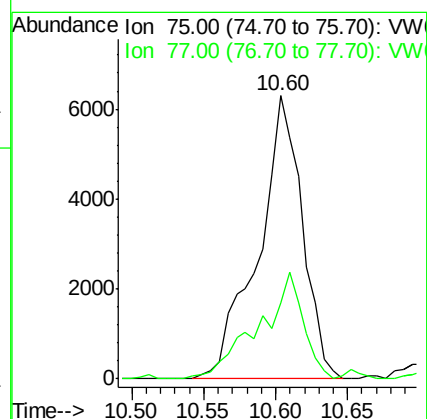
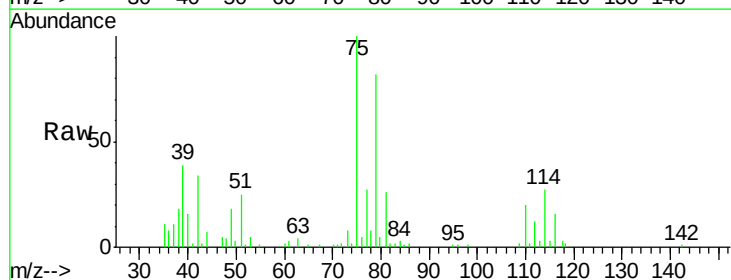
Acq: 02 Dec 2020 16:15

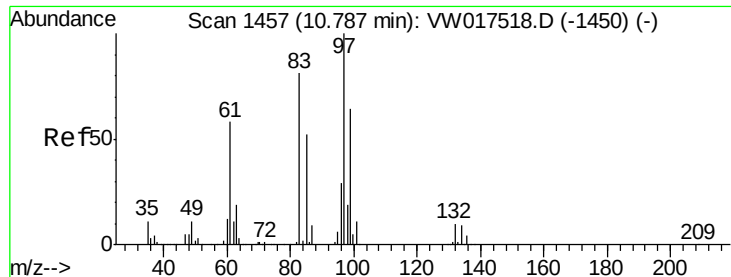
Tgt Ion: 75 Resp: 13434

Ion Ratio Lower Upper

75 100

77 27.0 22.2 41.2





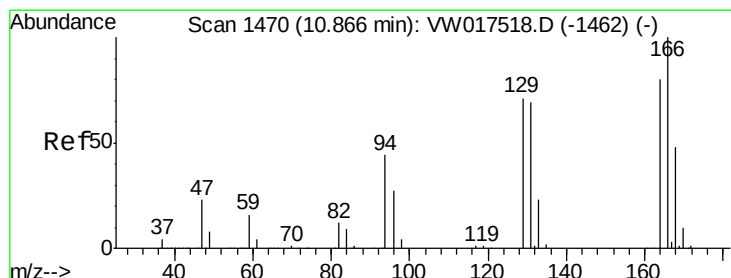
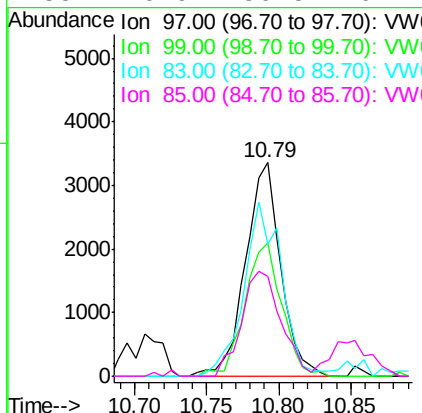
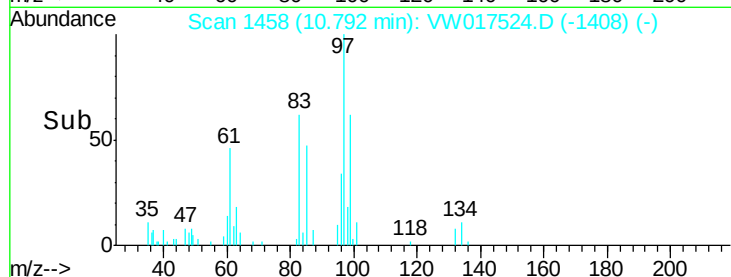
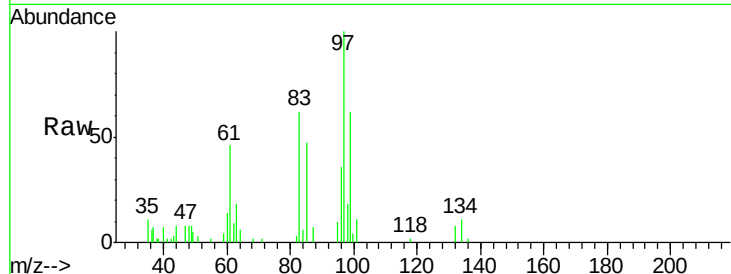
#45
1,1,2-Trichloroethane
Concen: 1.232 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion:	97	Resp:	5676
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.5	82.7
83	61.9	56.7	105.3
85	46.9	36.5	67.7

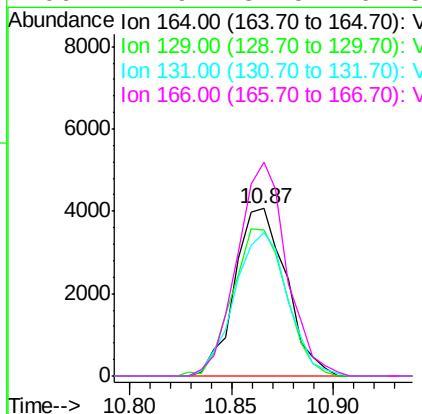
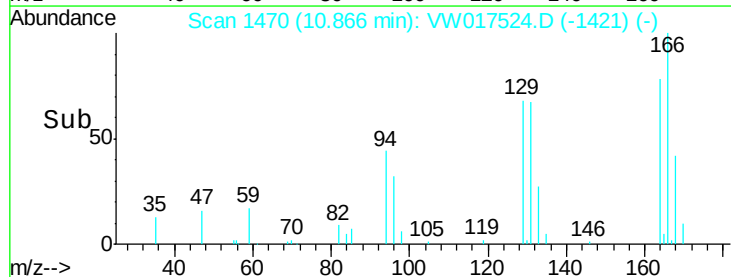
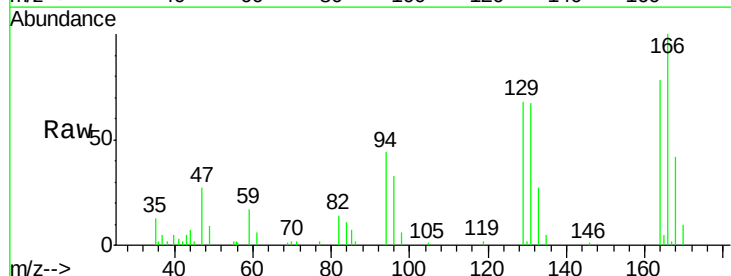
Manual Integrations
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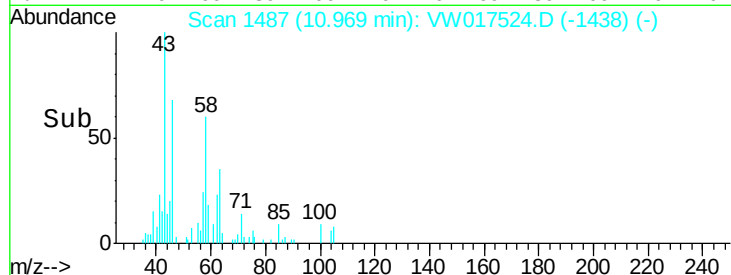
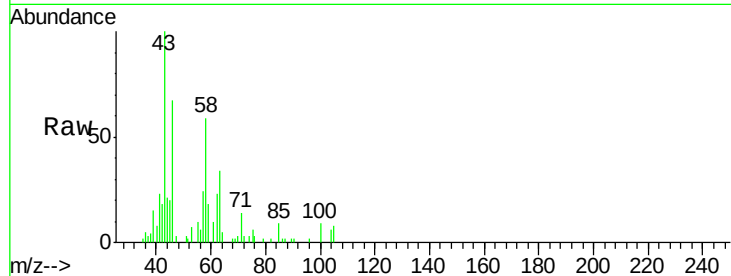
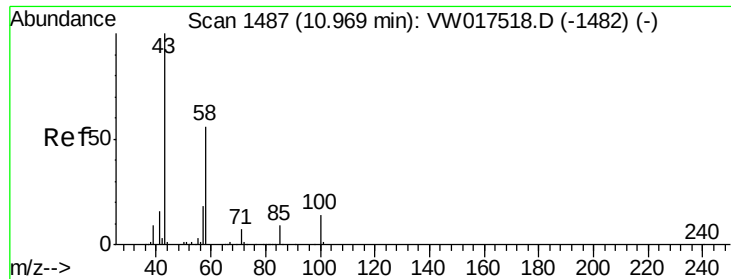
MMDadoda
12/7/2020 12:05:47 PM



#46
Tetrachloroethene
Concen: 1.302 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion:	164	Resp:	7120
Ion	Ratio	Lower	Upper
164	100		
129	87.1	61.9	115.1
131	86.1	60.4	112.2
166	127.9	87.5	162.5





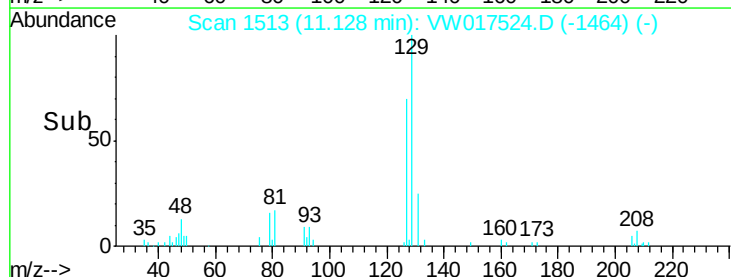
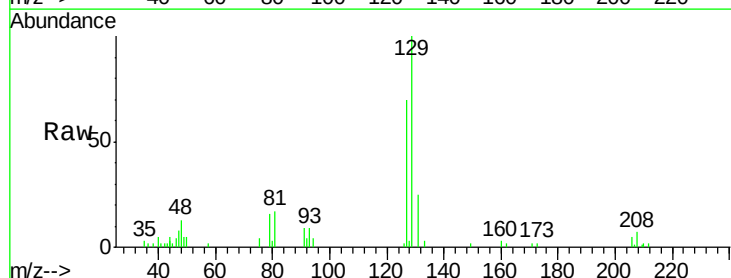
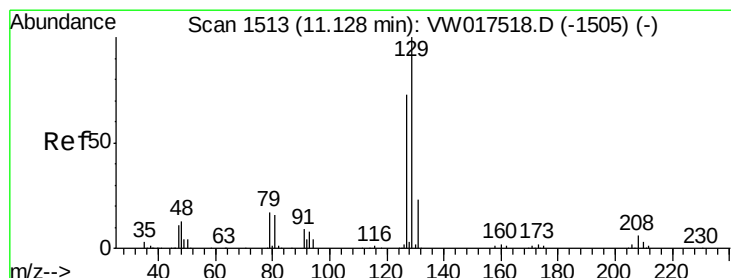
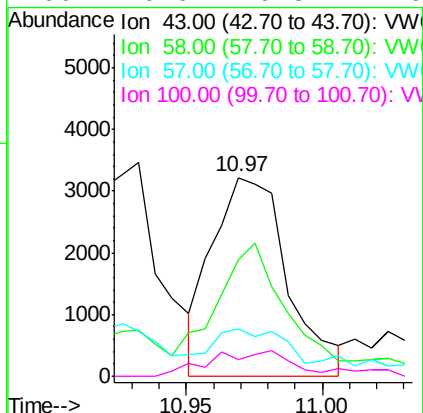
#48
2-Hexanone
Concen: 2.729 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tot Ion	43	58	57	100
Ratio	100	0.0	18.0	6.6
Lower		44.5	14.7	9.8
Upper		66.7#	22.1	14.6#

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

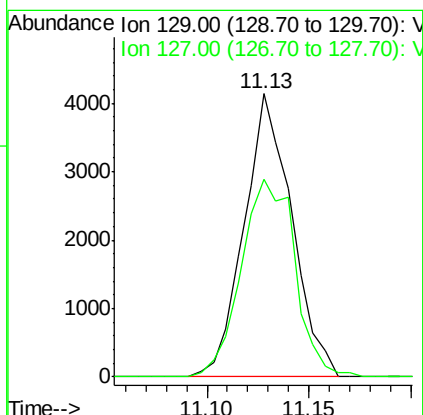
Manual Integrations
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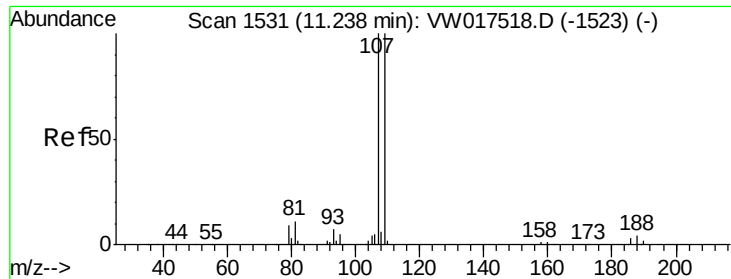
MMDadoda
12/7/2020 12:05:47 PM



#49
Dibromochloromethane
Concen: 1.171 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	129	127
Ratio	100	70.0
Lower		51.2
Upper		95.2





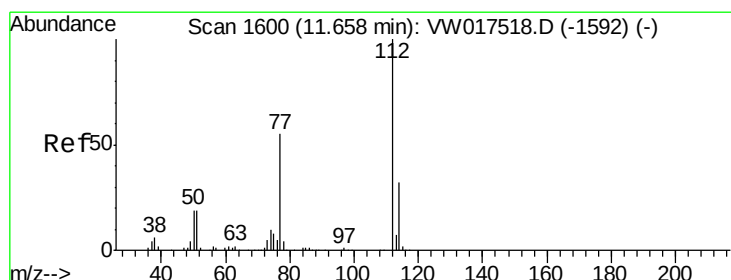
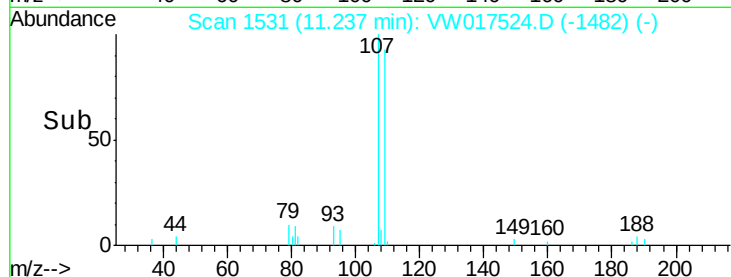
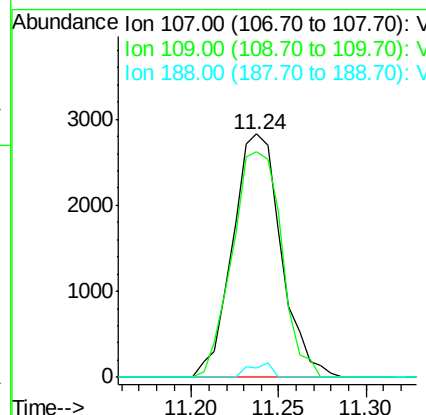
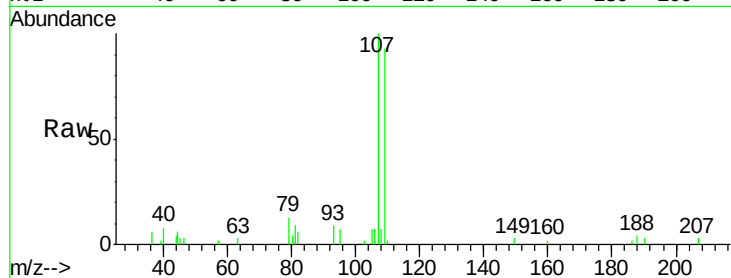
#50
1,2-Dibromoethane
Concen: 1.214 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	70.1	130.1
188	4.1	3.0	4.4

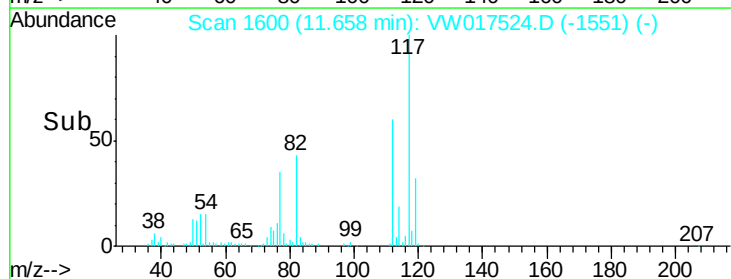
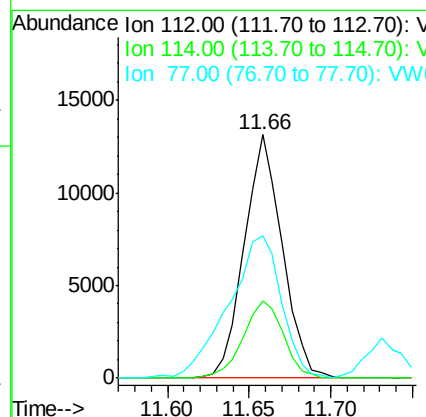
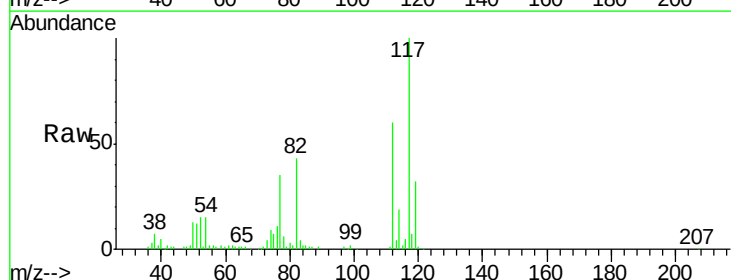
Manual Integrations
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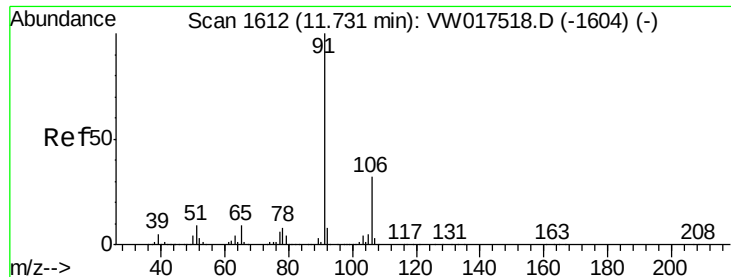
MMDadoda
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#51
Chlorobenzene
Concen: 1.257 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.6	42.0
77	58.6	44.3	66.5





#52

Ethylbenzene

Concen: 1.249 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

Tot Ion: 91 Resp: 36270

Ion Ratio Lower Upper

91 100

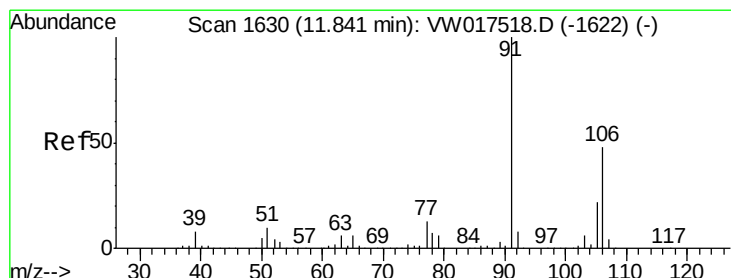
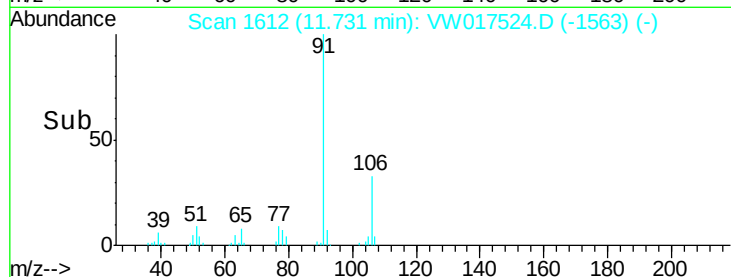
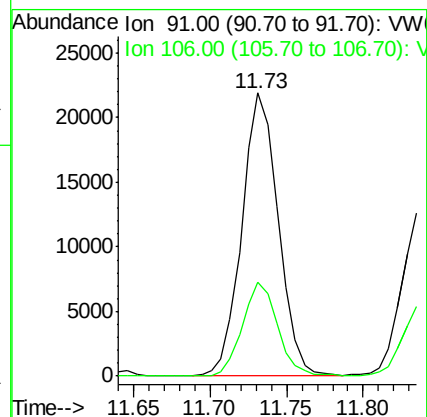
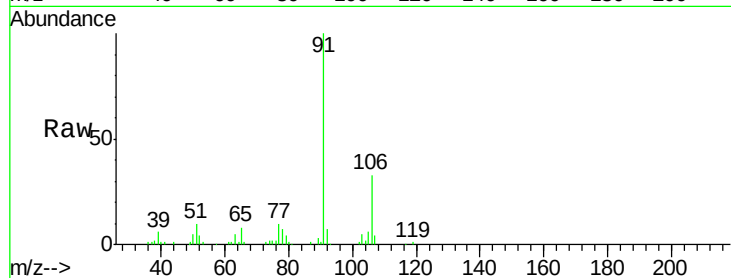
106 33.0 22.3 41.3

Manual Integrations

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#53

m,p-Xylene

Concen: 1.169 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017524.D

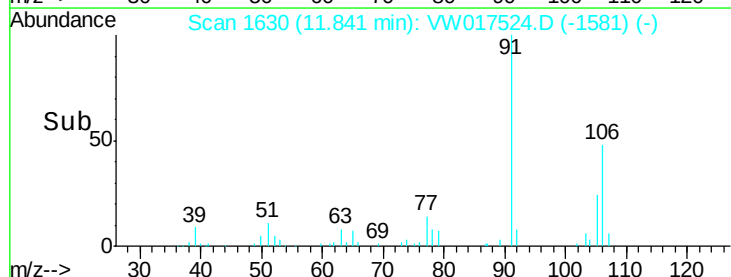
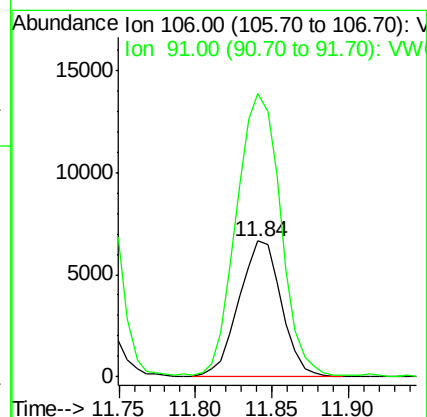
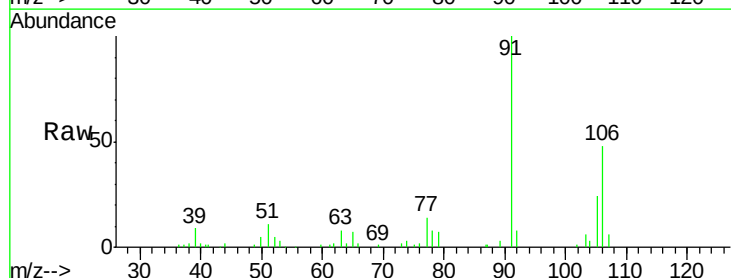
Acq: 02 Dec 2020 16:15

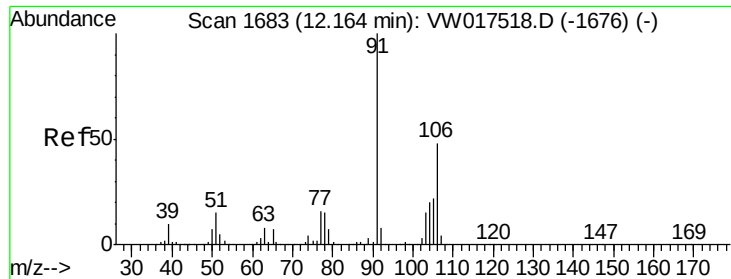
Tgt Ion: 106 Resp: 12819

Ion Ratio Lower Upper

106 100

91 208.4 145.4 270.0





#54

o-Xylene

Concen: 1.159 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampled :

MDLCHECK

Tot Ion:106 Resp: 12068

Ion Ratio Lower Upper

106 100

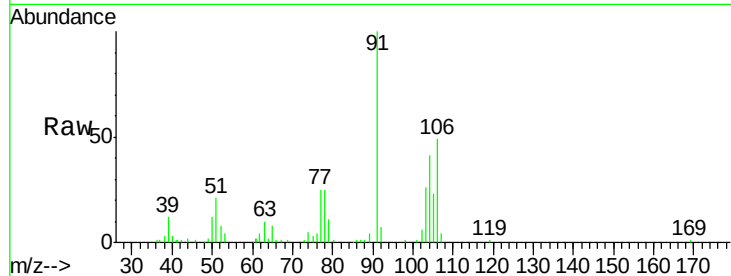
91 203.8 146.0 271.2

Manual Integrations

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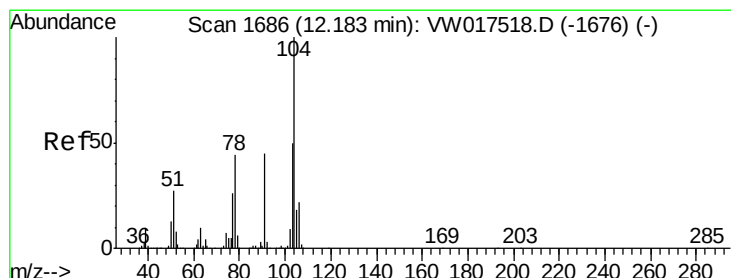
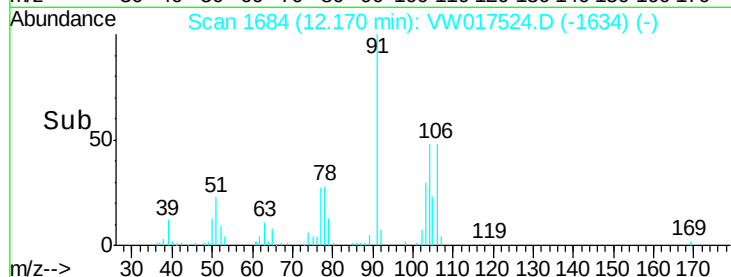
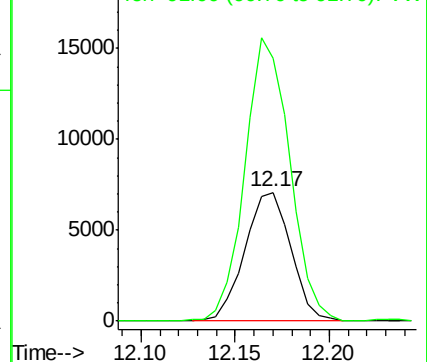
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

Styrene

Concen: 1.081 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017524.D

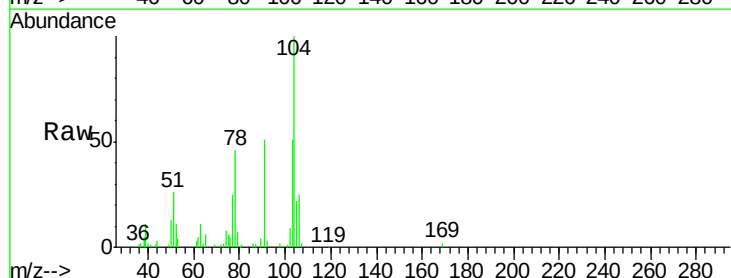
Acq: 02 Dec 2020 16:15

Tgt Ion:104 Resp: 19237

Ion Ratio Lower Upper

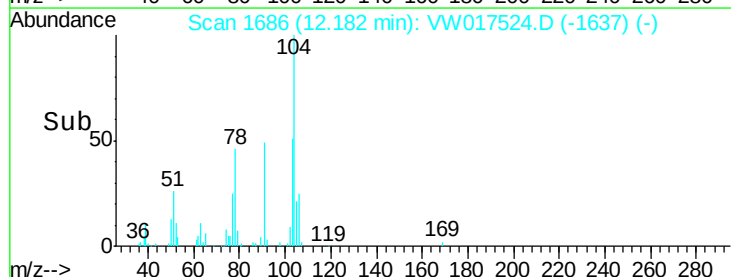
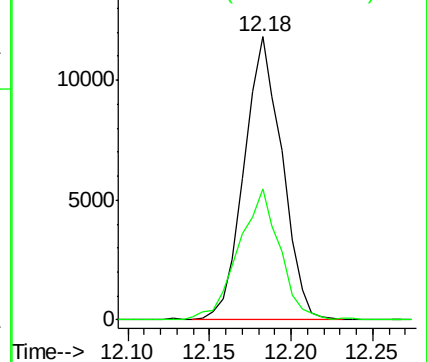
104 100

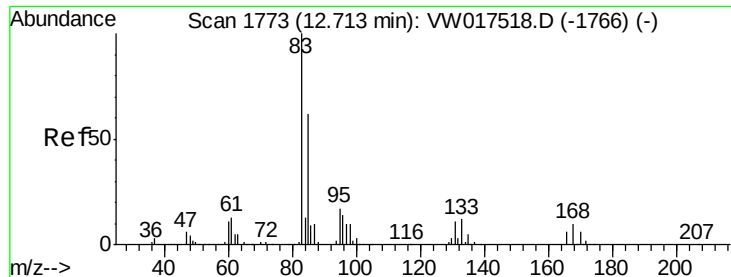
78 46.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





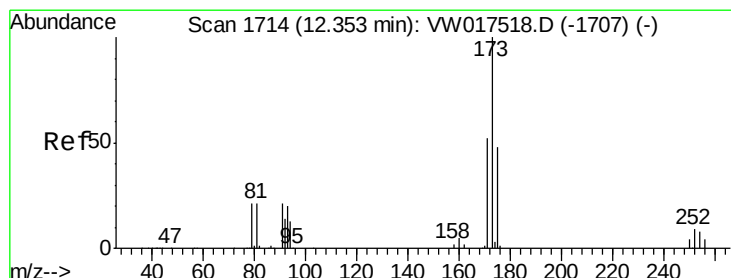
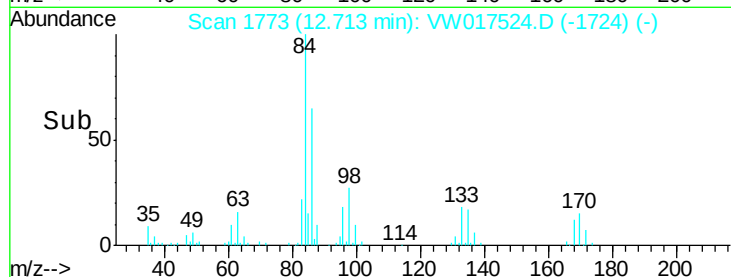
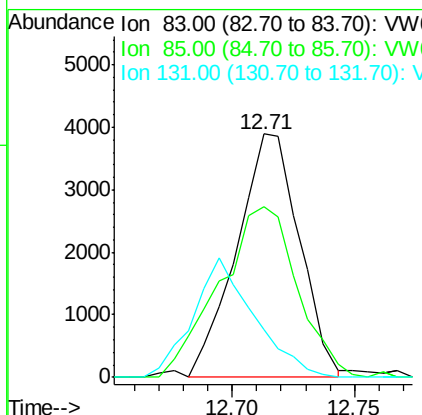
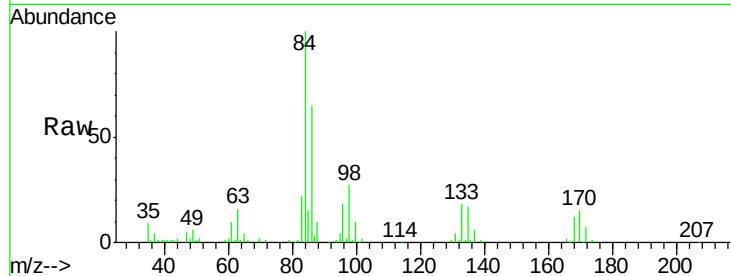
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.297 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion	Ratio	Lower	Upper
83	100		
85	70.3	43.3	80.3
131	19.7	9.1	13.7#

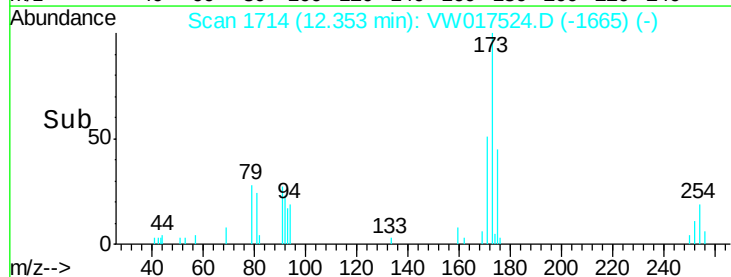
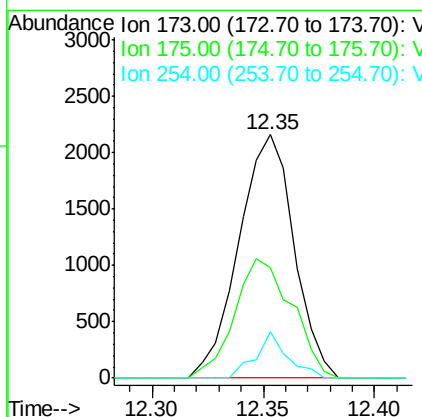
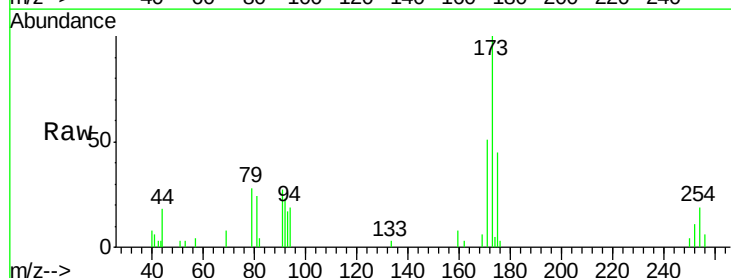
Manual Integrations
 APPROVED

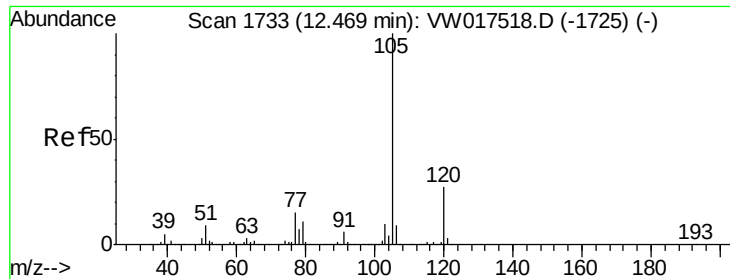
MMDadoda
 12/7/2020 12:05:47 PM



#59
 Bromoform
 Concen: 1.134 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	38.9	58.3
254	11.1	6.7	10.1#





#60

Isopropylbenzene

Concen: 1.174 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

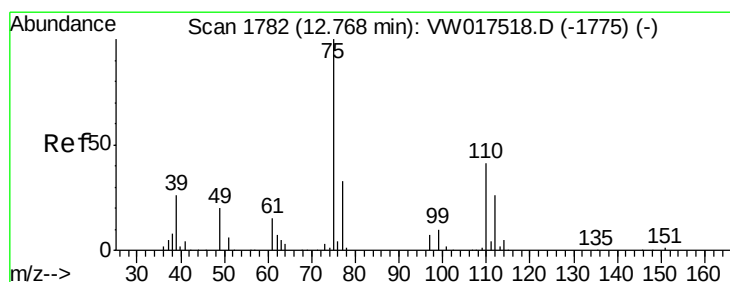
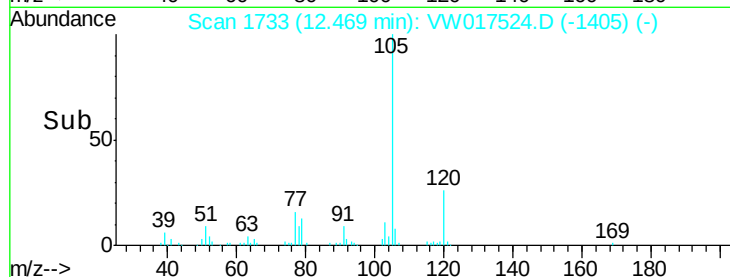
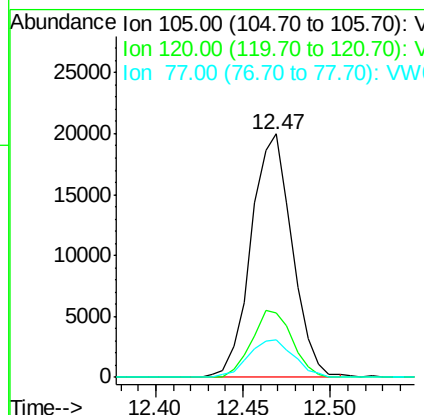
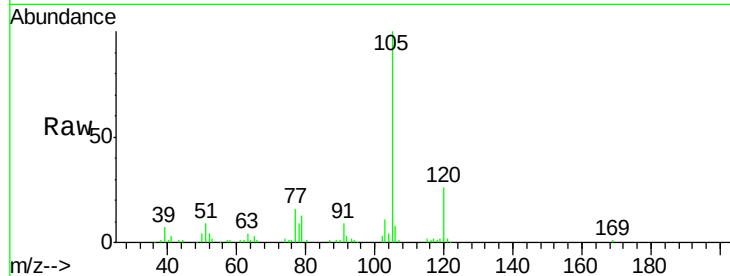
ClientSampleId :

MDLCHECK

Tot Ion:	105	Resp:	32498
Ion Ratio	Lower	Upper	
105	100		
120	27.2	21.5	32.3
77	17.0	12.2	18.4

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#61

1,2,3-Trichloropropane

Concen: 1.309 ug/L

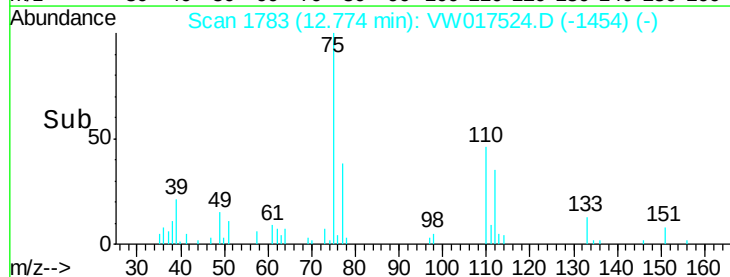
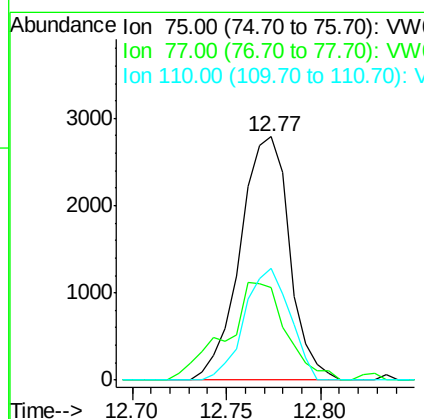
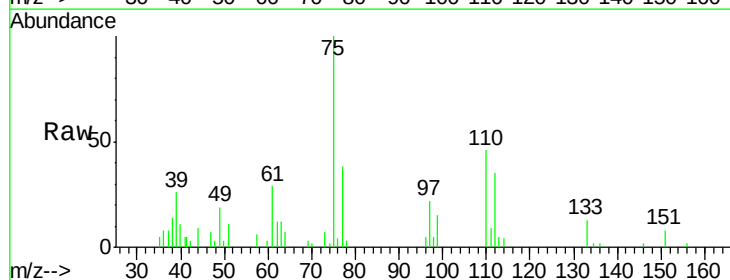
RT: 12.77 min Scan# 1783

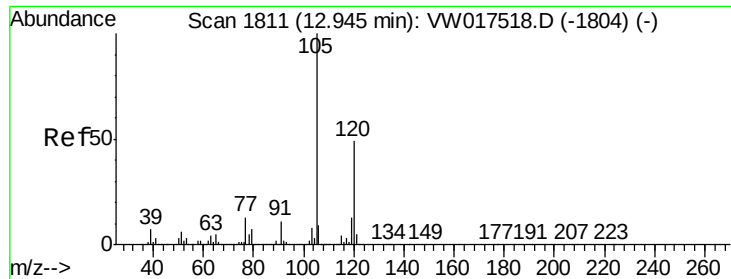
Delta R.T. 0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion:	75	Resp:	5073
Ion Ratio	Lower	Upper	
75	100		
77	37.6	26.6	40.0
110	42.1	34.4	51.6





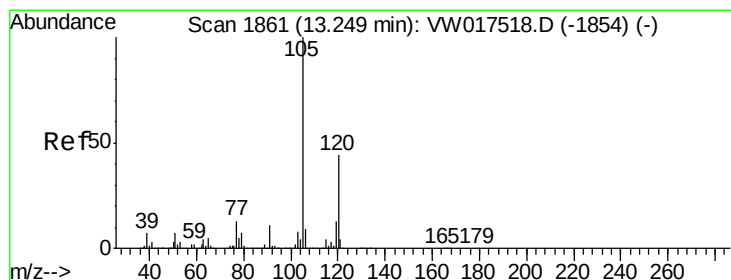
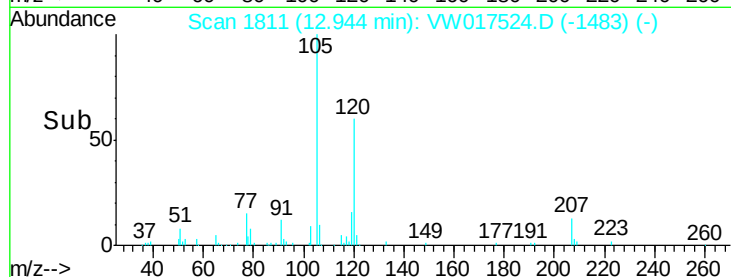
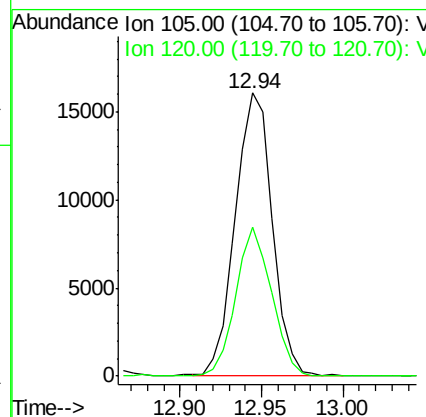
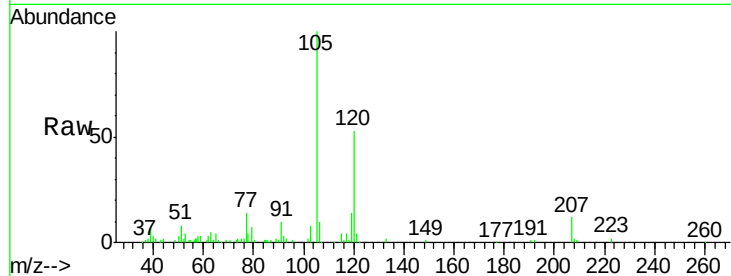
#62
 1,3,5-Trimethylbenzene
 Concen: 1.130 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.5	38.9	58.3

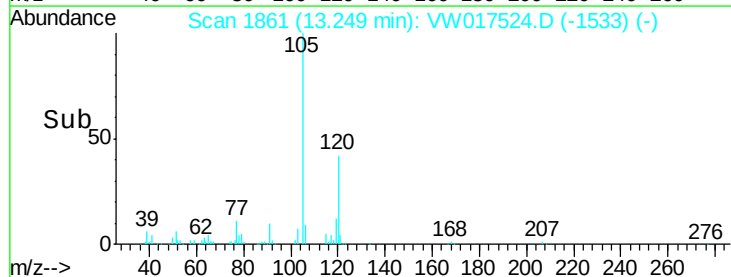
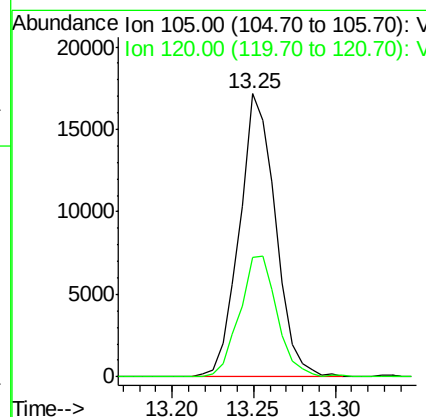
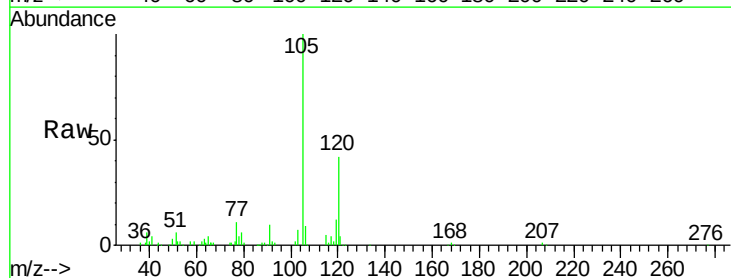
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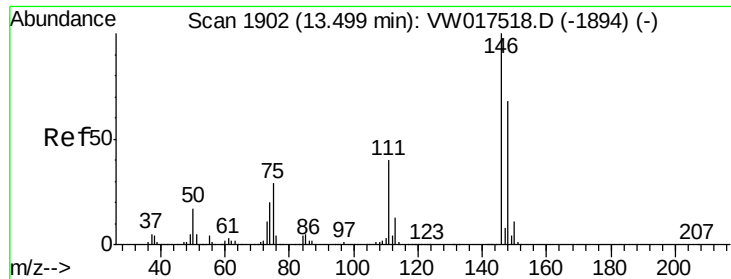
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.188 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	36.8	55.2





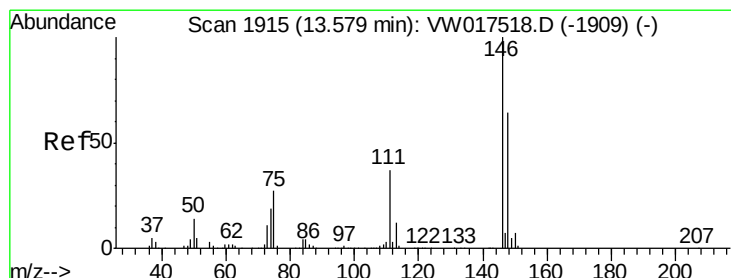
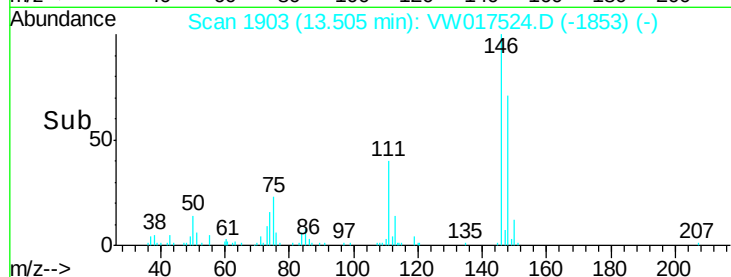
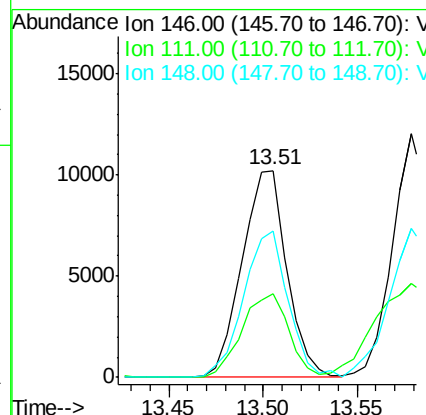
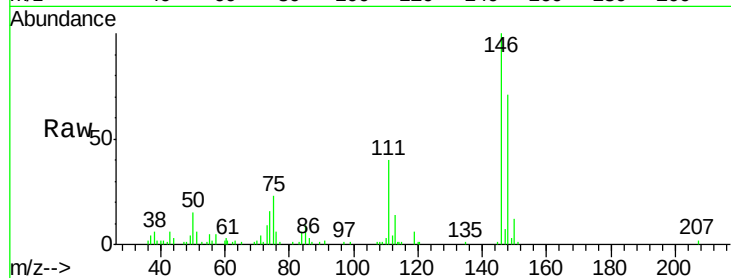
#64
1,3-Dichlorobenzene
Concen: 1.281 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.9	51.9
148	70.6	47.3	87.8

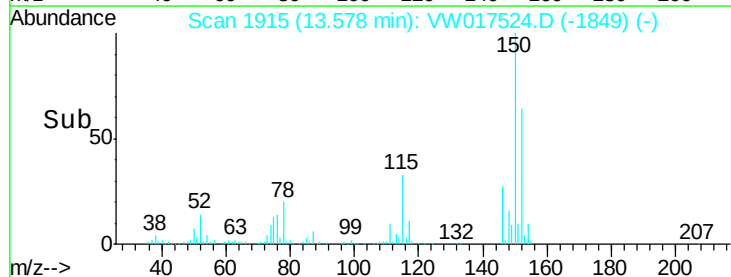
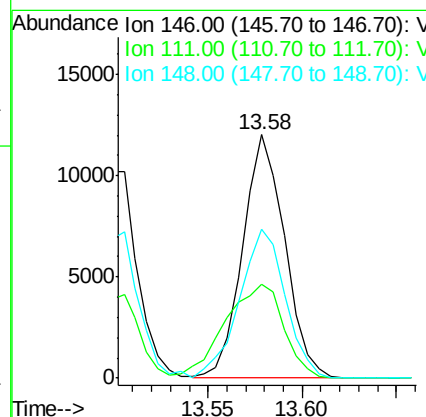
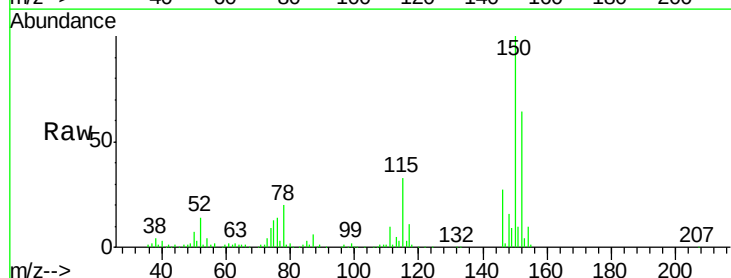
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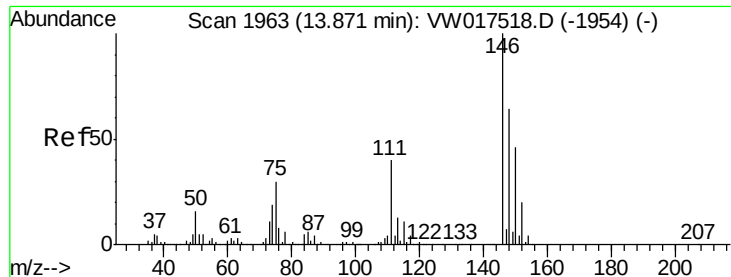
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#65
1,4-Dichlorobenzene
Concen: 1.392 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.3	48.9
148	61.3	44.9	83.3





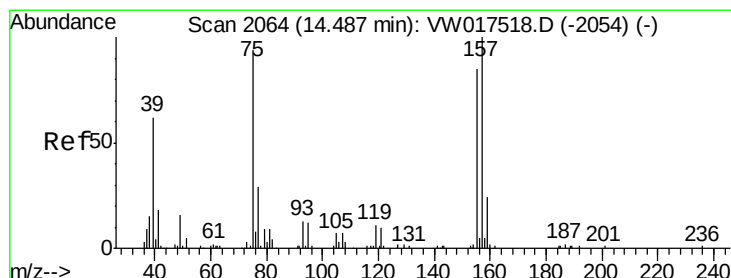
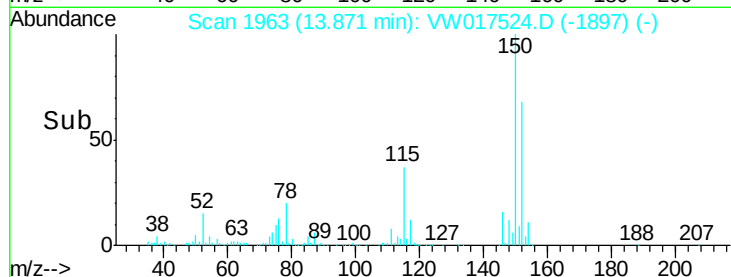
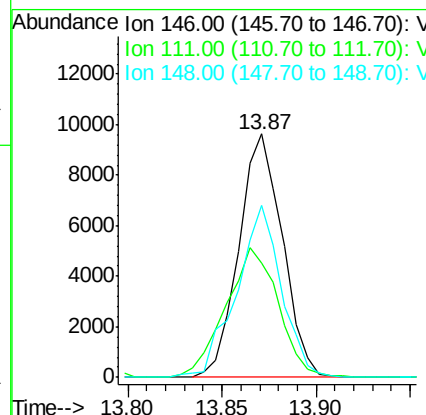
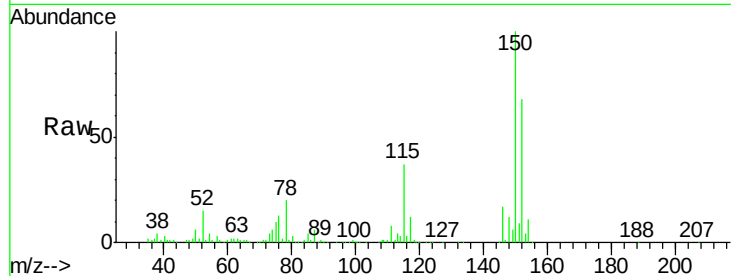
#67
 1,2-Dichlorobenzene
 Concen: 1.293 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	32.4	48.6
148	70.5	51.3	76.9

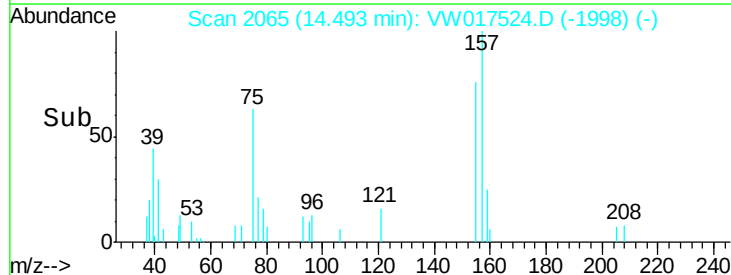
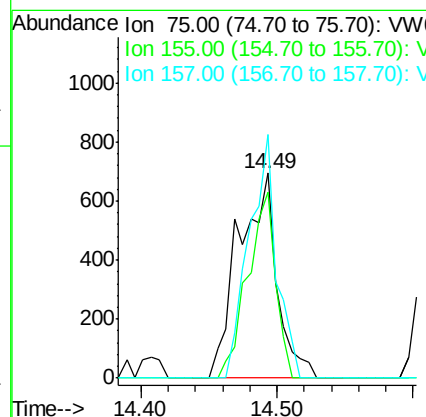
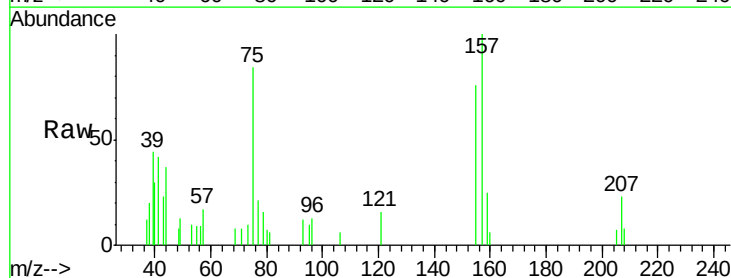
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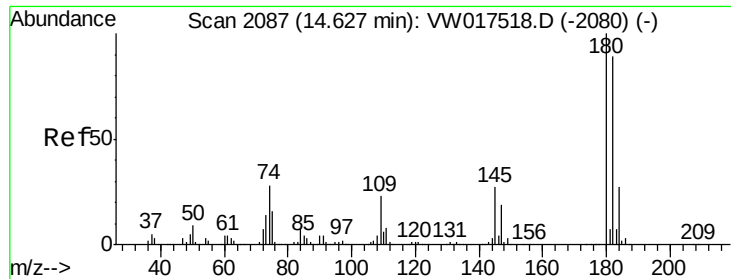
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.534 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	72.6	109.0
157	118.7	85.2	127.8





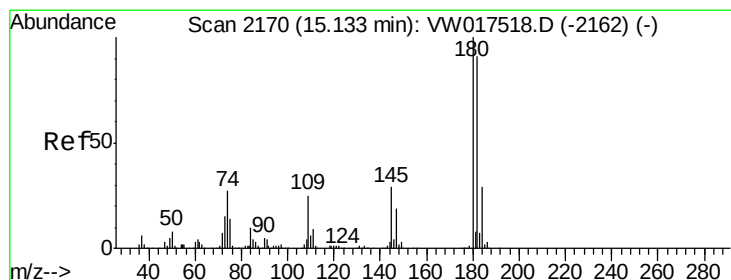
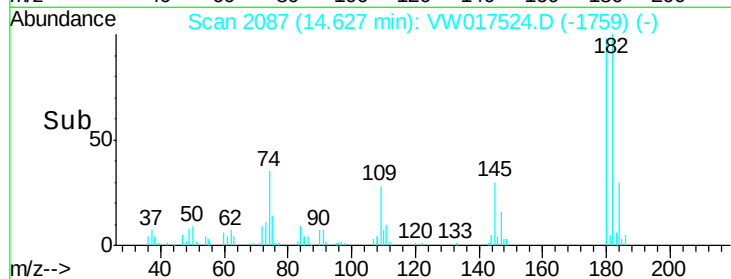
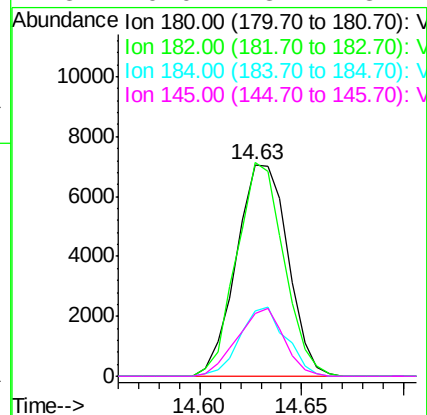
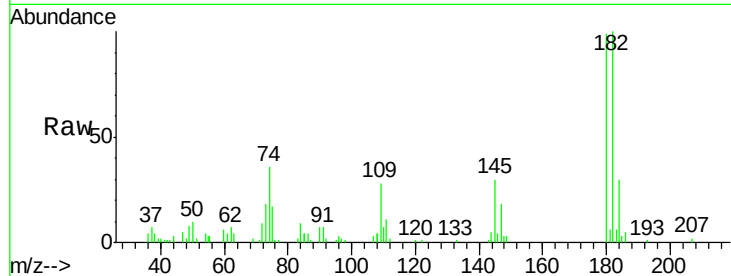
#69
 1,3,5-Trichlorobenzene
 Concen: 1.289 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion:	180	Resp:	12396
Ion	Ratio	Lower	Upper
180	100		
182	92.7	74.9	112.3
184	29.2	23.8	35.6
145	29.0	23.1	34.7

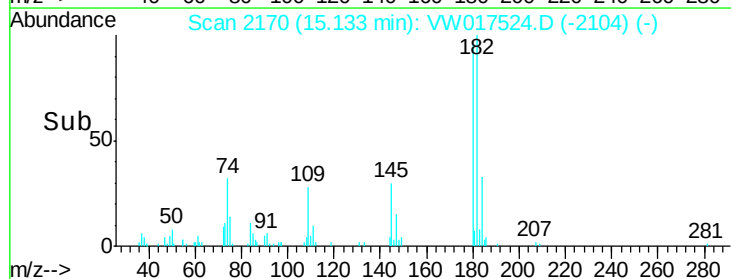
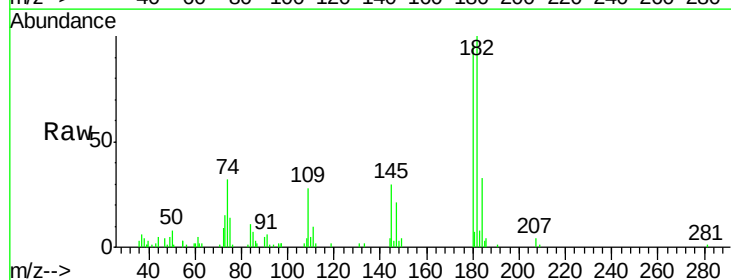
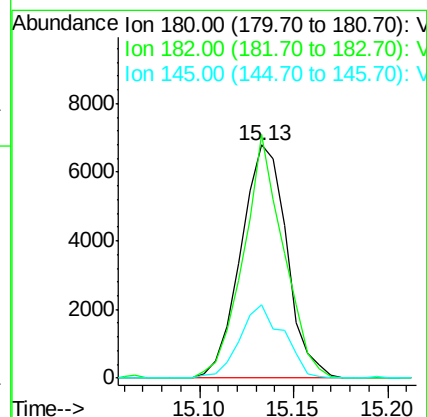
Manual Integrations
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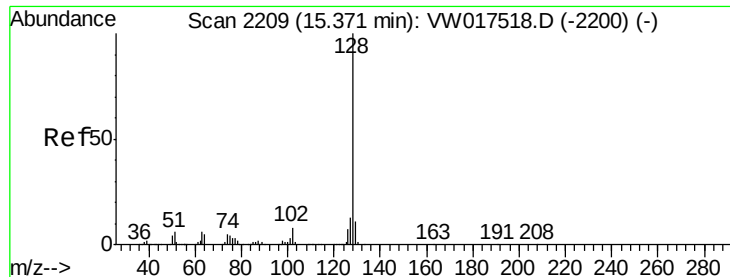
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#70
 1,2,4-trichlorobenzene
 Concen: 1.421 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion:	180	Resp:	11487
Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.8	115.2
145	30.0	24.5	36.7





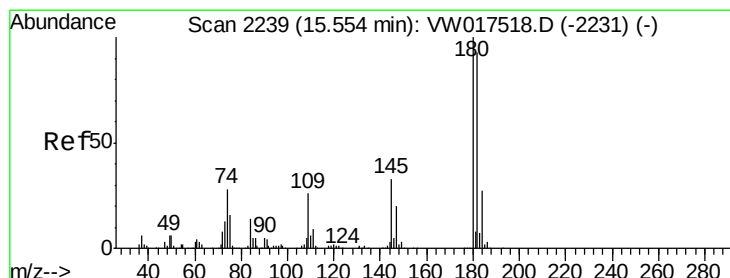
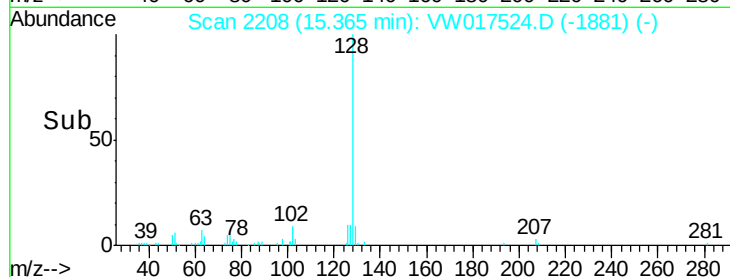
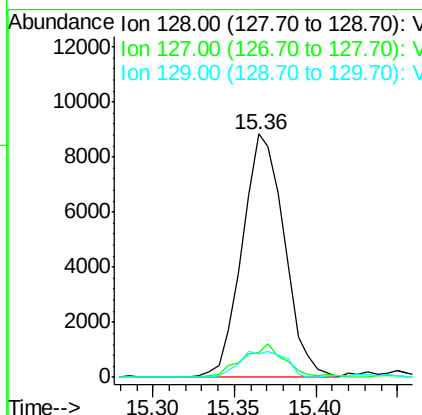
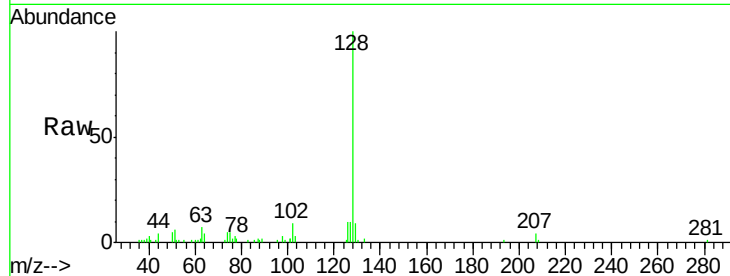
#71
Naphthalene
Concen: 1.172 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.7	8.7	13.1

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.624 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	79.0	118.6
145	33.0	26.8	40.2

