

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021720\
 Data File : VW015002.D
 Acq On : 17 Feb 2020 16:30
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 6:02:55 PM

Quant Time: Feb 18 04:33:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 18 04:28:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	739145	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	697664	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	286077	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	325902	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.89	69	254018	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
11) 1,1-Dichloroethene-d2	4.02	63	449259	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
21) 2-Butanone-d5	7.07	46	178881	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.65	84	534846	22.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	8.30	65	325390	23.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.44%
32) Benzene-d6	8.27	84	1073560	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
36) 1,2-Dichloropropane-d6	9.27	67	373702	23.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	10.32	98	897138	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	10.57	79	133344	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
47) 2-Hexanone-d5	10.92	63	122371	42.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.10%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	270168	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.56%
66) 1,2-Dichlorobenzene-d4	13.85	152	262395	24.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	11921	1.623 ug/L #	88
3) Chloromethane	2.21	50	29163	2.112 ug/L	100
5) Vinyl chloride	2.36	62	38661	2.175 ug/L #	77
6) Bromomethane	2.78	94	16422	2.037 ug/L	79
8) Chloroethane	2.92	64	20627	2.169 ug/L	94
9) Trichlorofluoromethane	3.25	101	12313	1.754 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27863m	2.426 ug/L	
12) 1,1-Dichloroethene	4.04	96	25749	2.338 ug/L #	1
13) Acetone	4.12	43	19021	4.392 ug/L	93
14) Carbon disulfide	4.38	76	78103	1.961 ug/L	98
15) Methyl Acetate	4.68	43	13813	1.838 ug/L #	78
16) Methylene chloride	4.92	84	51072	3.739 ug/L	90
17) trans-1,2-Dichloroethene	5.42	96	20632	1.856 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	26019	1.897 ug/L #	63
19) 1,1-Dichloroethane	6.21	63	49868	2.009 ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	22460	1.961 ug/L	96
22) 2-Butanone	7.18	43	24070m	4.623 ug/L	

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9538	2.053	ug/L	98
25) Chloroform	7.67	83	48230	2.180	ug/L	97
27) 1,2-Dichloroethane	8.40	62	34799	2.141	ug/L	98
29) Cyclohexane	7.95	56	37950	1.668	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	35098	2.068	ug/L	99
31) Carbon tetrachloride	8.06	117	30576	1.999	ug/L	99
33) Benzene	8.32	78	106549	2.080	ug/L	100
34) Trichloroethene	9.09	95	24148	1.968	ug/L	95
35) Methylcyclohexane	9.33	83	37924	1.792	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29166	2.039	ug/L #	95
38) Bromodichloromethane	9.64	83	31125	1.932	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	35894	1.875	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	35203	3.456	ug/L	99
42) Toluene	10.38	91	102524	2.071	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	30559m	1.925	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17049	1.965	ug/L	99
46) Tetrachloroethene	10.86	164	15468	1.942	ug/L	98
48) 2-Hexanone	10.97	43	26159	3.525	ug/L	97
49) Dibromochloromethane	11.12	129	17176	1.899	ug/L	98
50) 1,2-Dibromoethane	11.23	107	15190	1.942	ug/L	99
51) Chlorobenzene	11.65	112	58130	1.991	ug/L	98
52) Ethylbenzene	11.73	91	99370	1.843	ug/L	98
53) m,p-Xylene	11.84	106	33147	1.752	ug/L	90
54) o-Xylene	12.16	106	29365	1.653	ug/L	94
55) Styrene	12.18	104	48688	1.590	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	24075	2.073	ug/L #	94
59) Bromoform	12.35	173	9062	2.072	ug/L	97
60) Isopropylbenzene	12.46	105	76547	1.709	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17892	2.134	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	60647	1.698	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	57015	1.632	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	36921	2.000	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	40502	2.128	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	37499	2.195	ug/L	90
68) 1,2-Dibromo-3-chloropropan	14.48	75	3761	2.145	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.63	180	25751	2.081	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	17395	1.876	ug/L	99
71) Naphthalene	15.37	128	14590	1.532	ug/L	96
72) 1,2,3-Trichlorobenzene	15.55	180	16416	1.910	ug/L	99

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

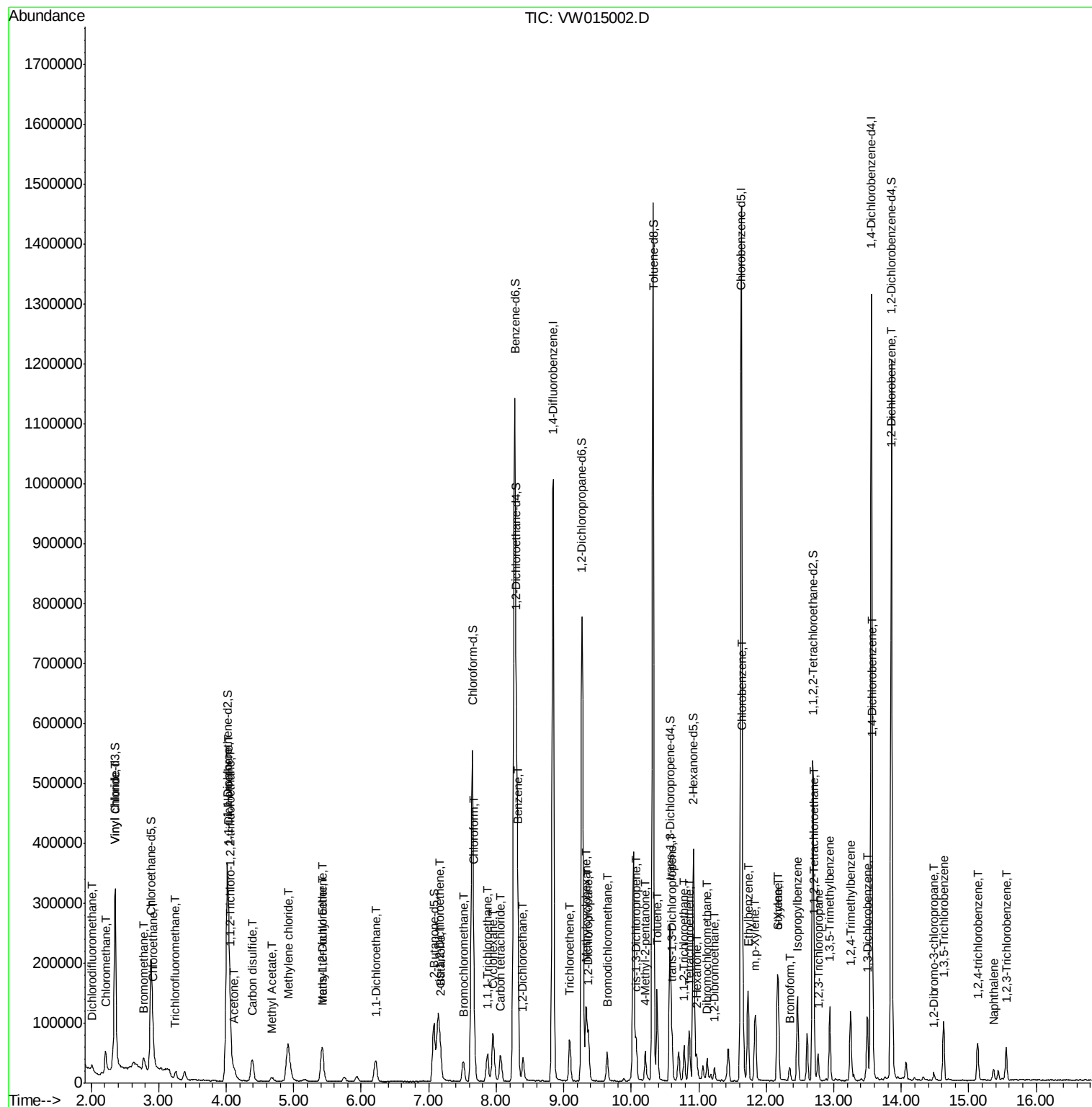
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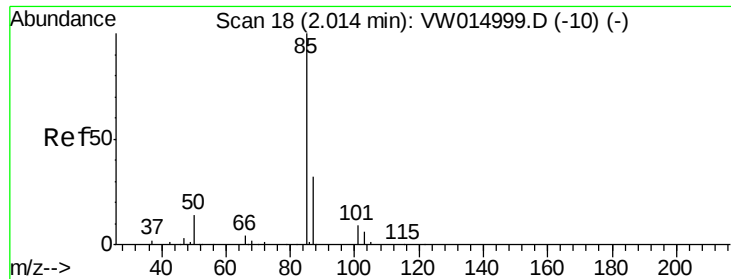
Instrument :
MSVOA_W
ClientSampled :
MDL07

Manual Integrations
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.623 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 85 Resp: 11921

Ion Ratio Lower Upper

85 100

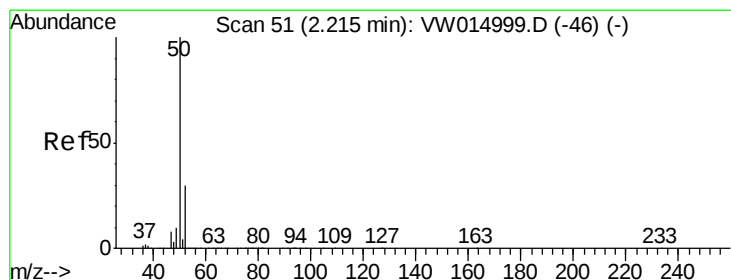
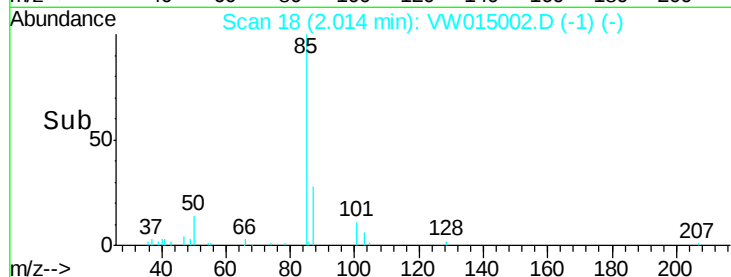
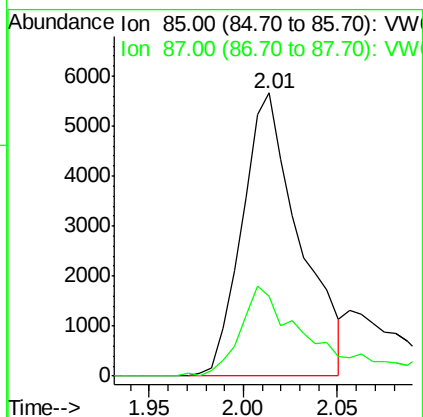
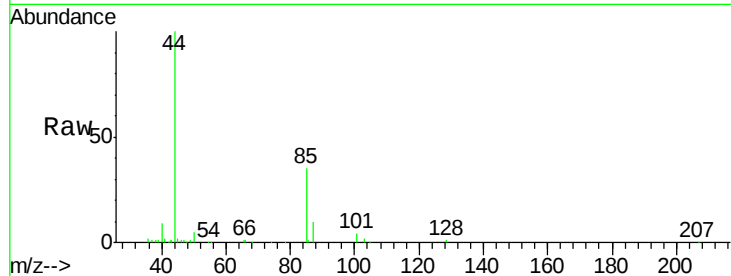
87 32.9 21.5 32.3#

Manual Integrations

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#3

Chloromethane

Concen: 2.112 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015002.D

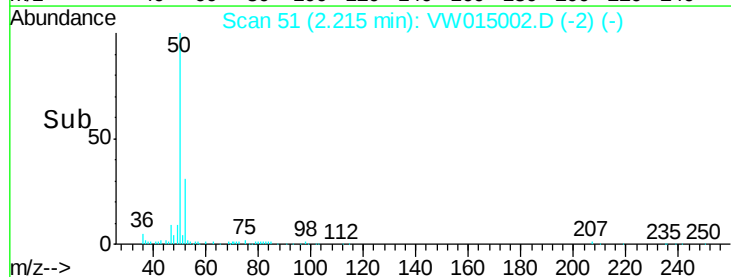
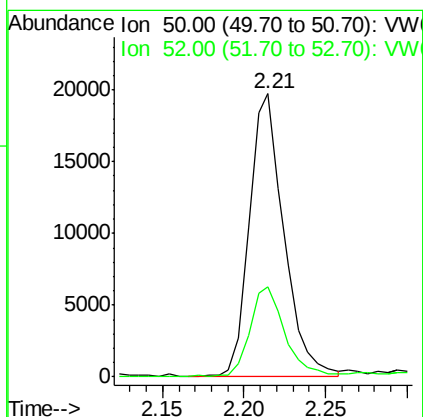
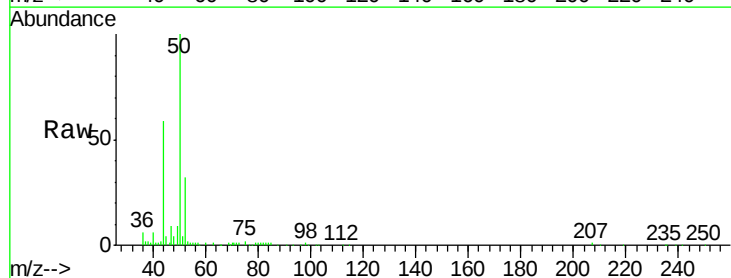
Acq: 17 Feb 2020 16:30

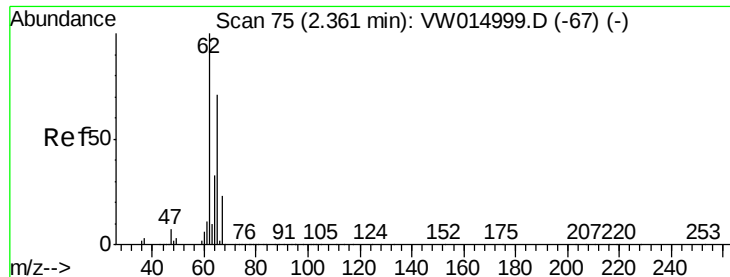
Tgt Ion: 50 Resp: 29163

Ion Ratio Lower Upper

50 100

52 31.6 22.3 41.3





#5

Vinyl chloride

Concen: 2.175 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 62 Resp: 38661

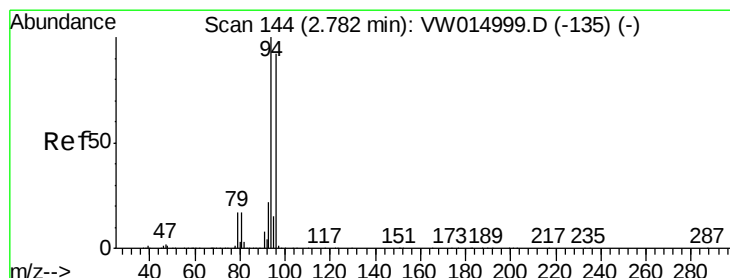
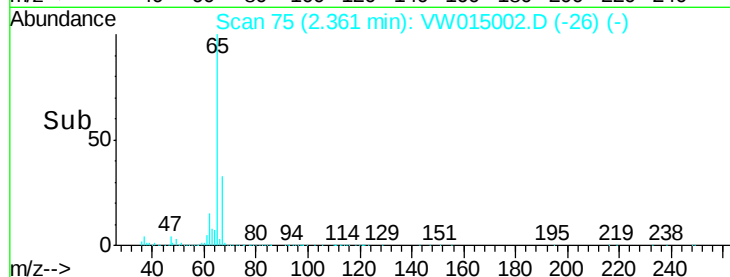
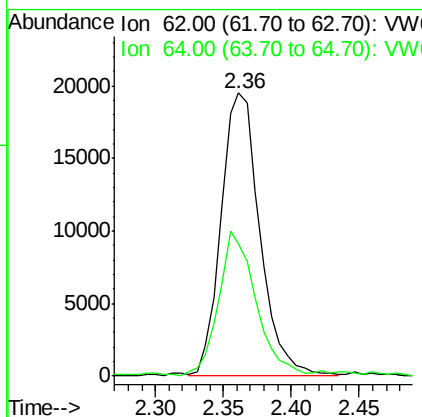
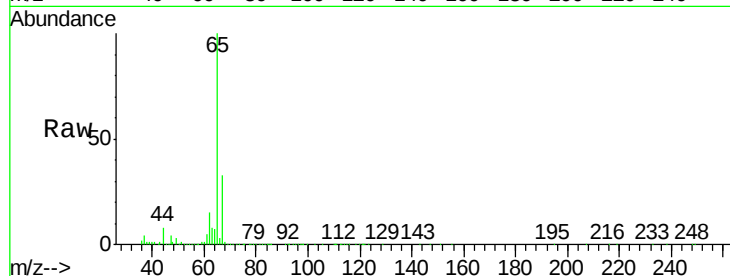
Ion Ratio Lower Upper

62 100

64 46.8 23.6 43.8#

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#6

Bromomethane

Concen: 2.037 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015002.D

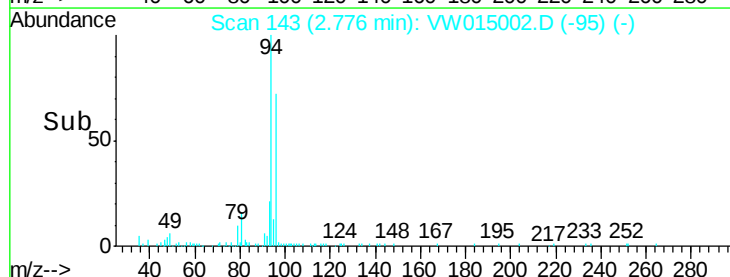
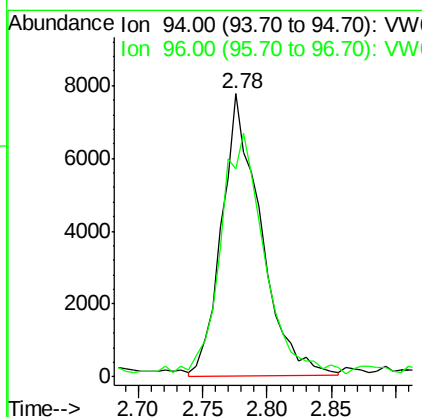
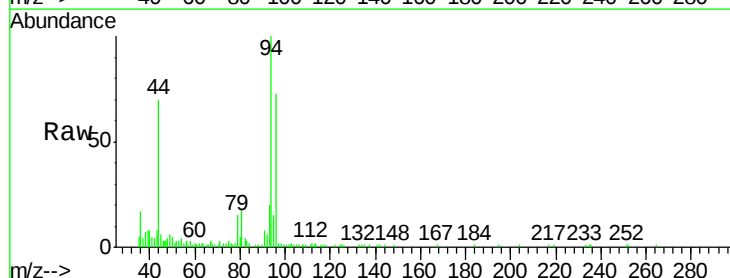
Acq: 17 Feb 2020 16:30

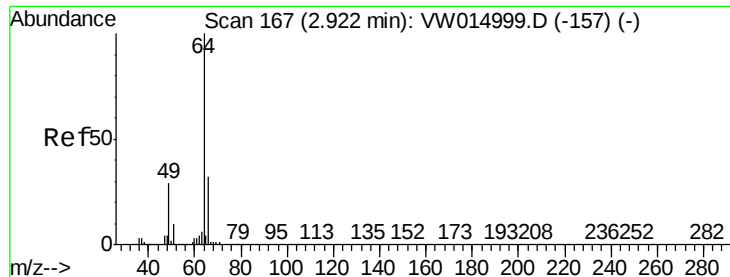
Tgt Ion: 94 Resp: 16422

Ion Ratio Lower Upper

94 100

96 73.4 65.8 122.2





#8

Chloroethane

Concen: 2.169 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 20627

Ion Ratio Lower Upper

64 100

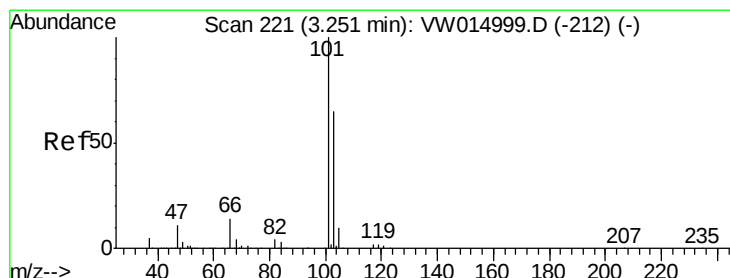
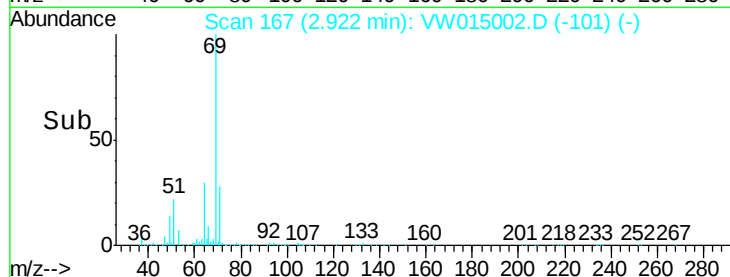
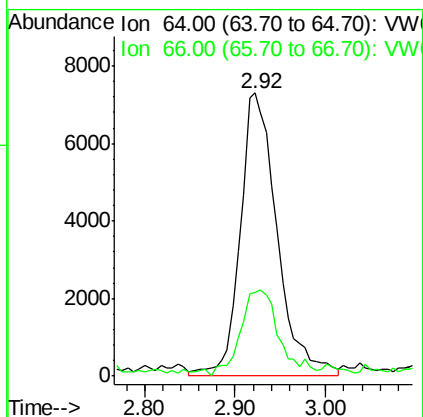
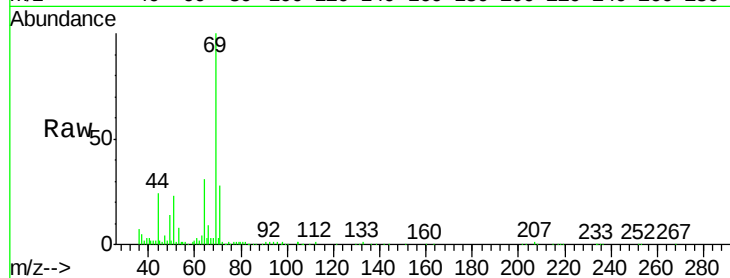
66 29.8 23.1 42.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.754 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW015002.D

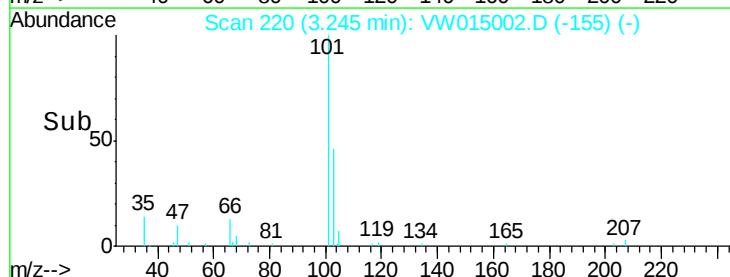
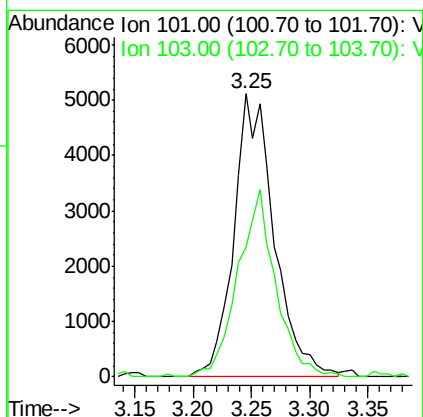
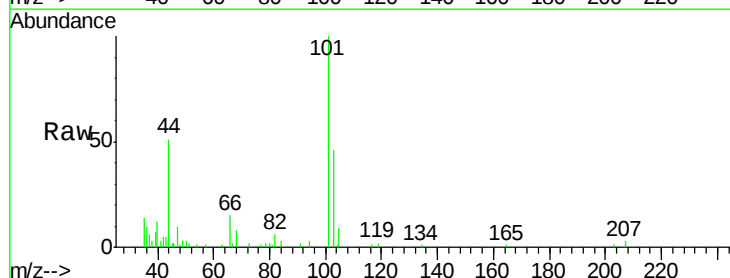
Acq: 17 Feb 2020 16:30

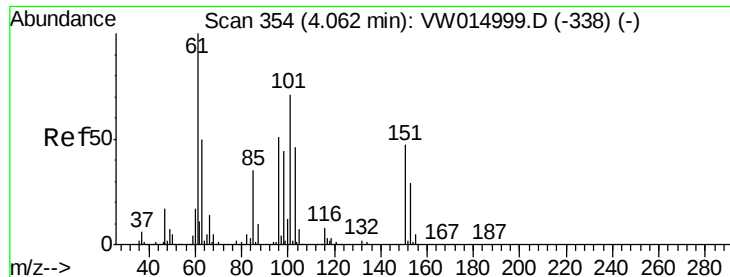
Tgt Ion: 101 Resp: 12313

Ion Ratio Lower Upper

101 100

103 62.0 51.5 77.3





#10

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

Concen: 2.426 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

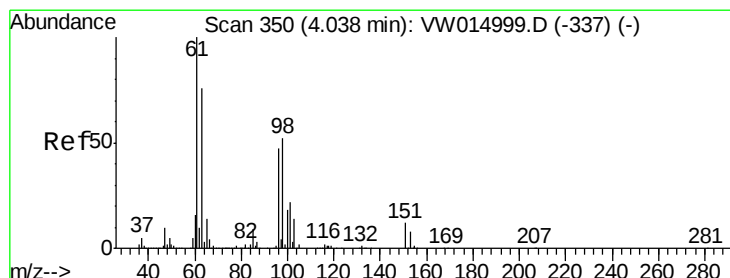
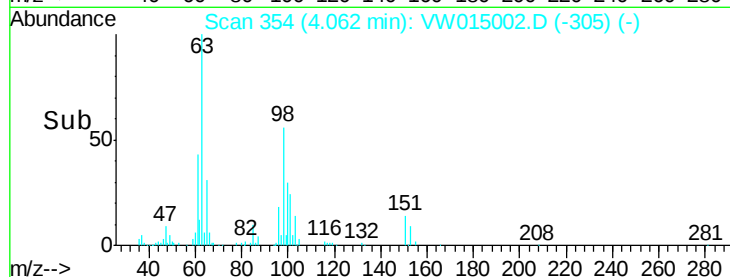
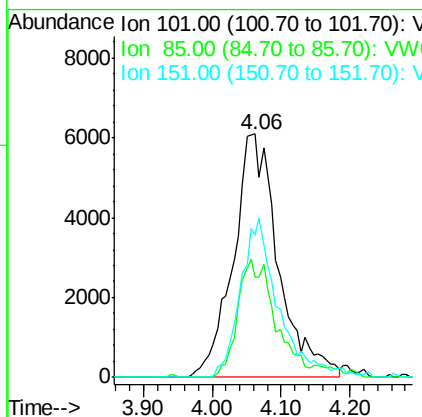
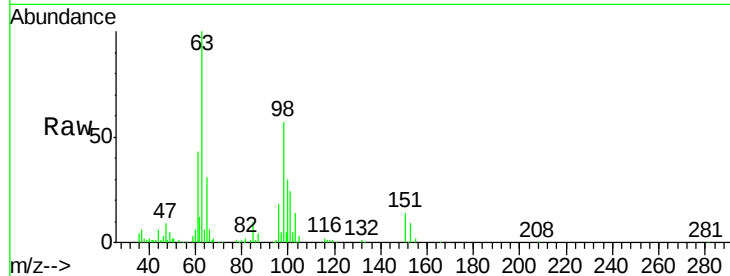
ClientSampled :

MDL07

Tot Ion:	101	Resp:	27863
Ion Ratio	Lower	Upper	
101	100		
85	14.2	36.5	54.7#
151	49.5	50.2	75.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.338 ug/L

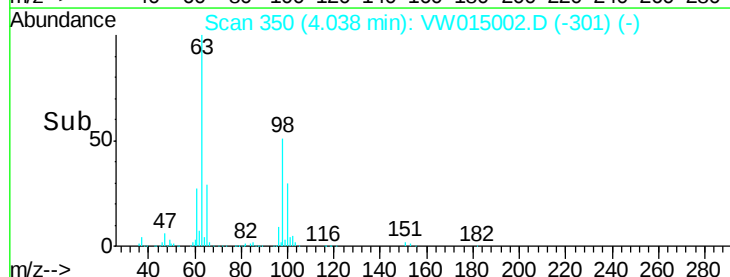
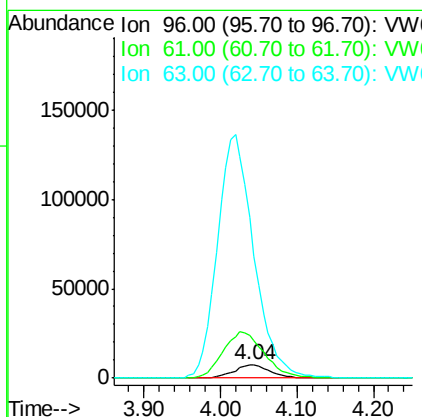
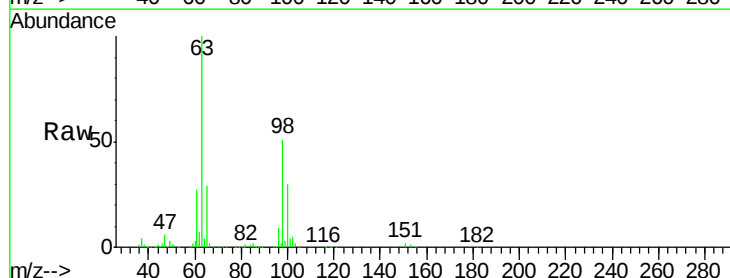
RT: 4.04 min Scan# 350

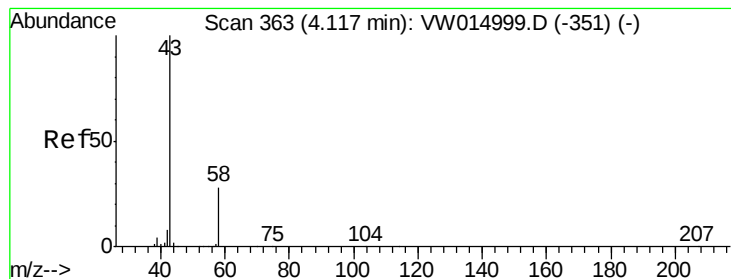
Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion:	96	Resp:	25749
Ion Ratio	Lower	Upper	
96	100		
61	309.6	147.0	273.0#
63	1164.9	113.4	210.6#





#13

Acetone

Concen: 4.392 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 43 Resp: 19021

Ion Ratio Lower Upper

43 100

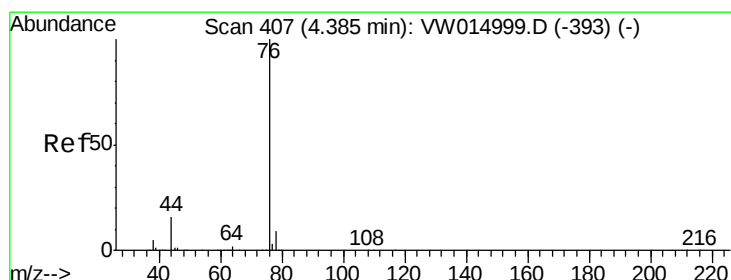
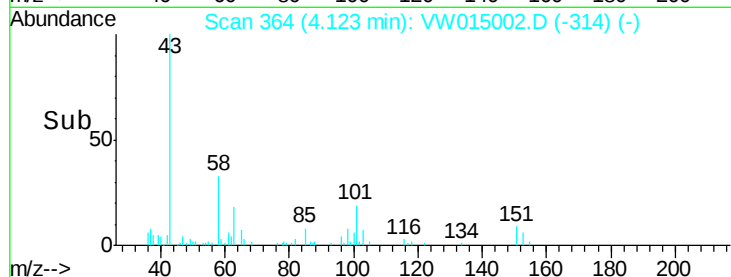
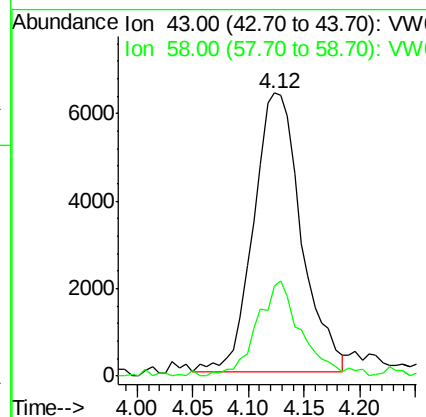
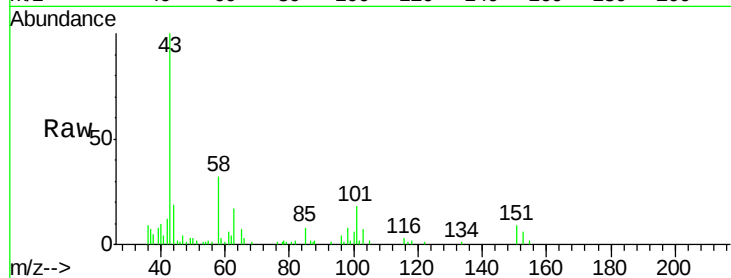
58 30.9 0.0 54.6

Manual Integrations

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#14

Carbon disulfide

Concen: 1.961 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015002.D

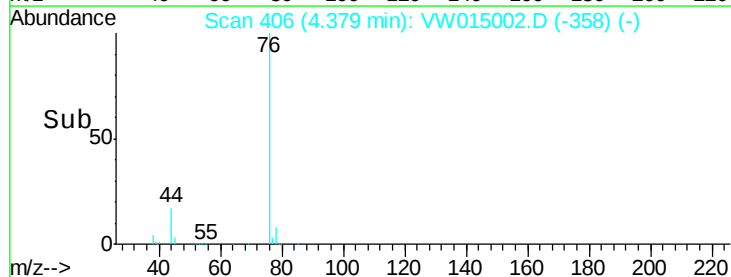
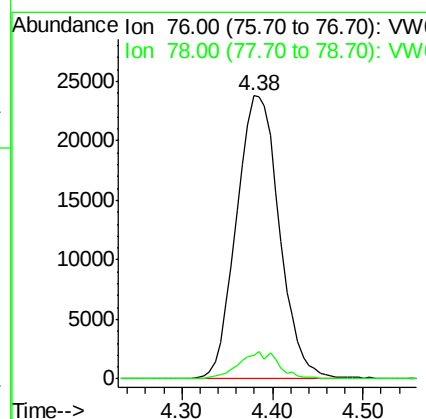
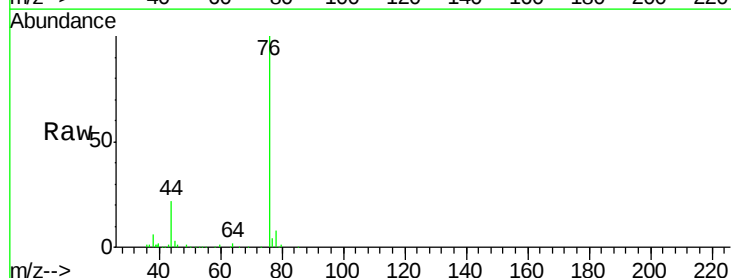
Acq: 17 Feb 2020 16:30

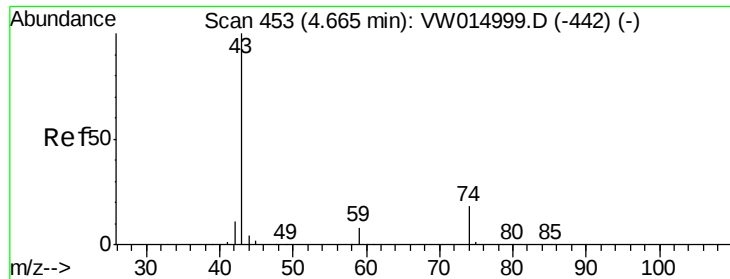
Tgt Ion: 76 Resp: 78103

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8





#15

Methyl Acetate

Concen: 1.838 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 13813

Ion Ratio Lower Upper

43 100

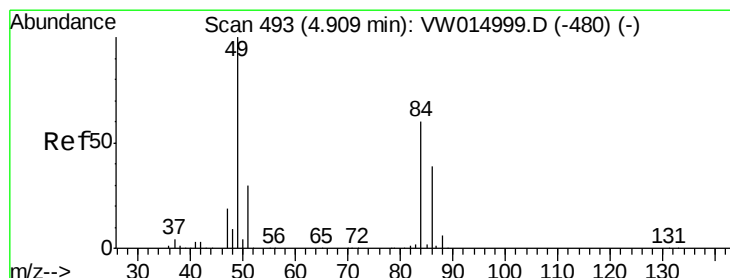
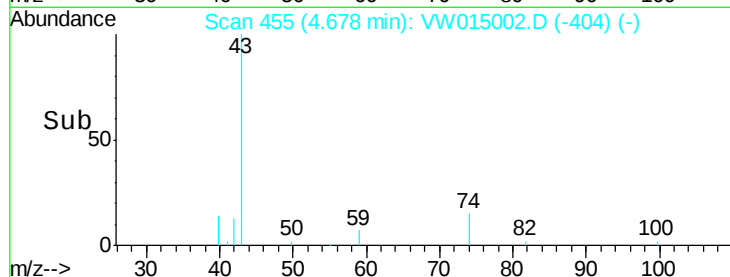
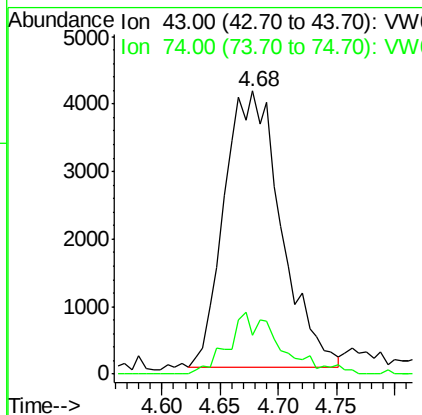
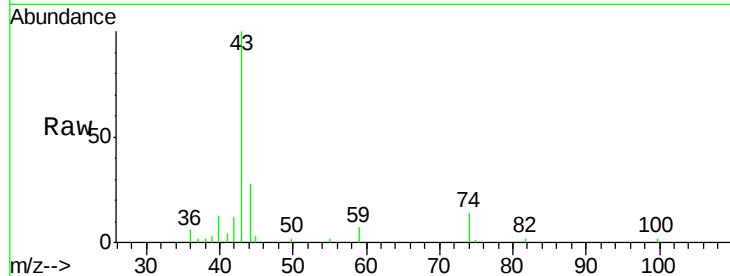
74 8.4 14.6 21.8#

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#16

Methylene chloride

Concen: 3.739 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

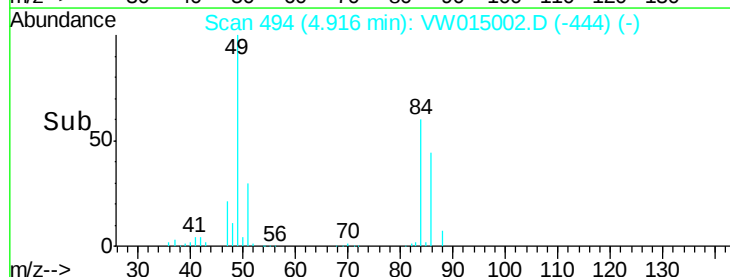
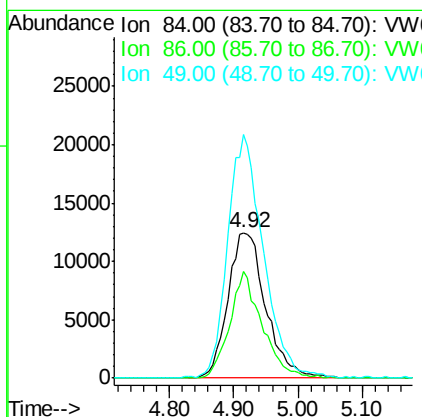
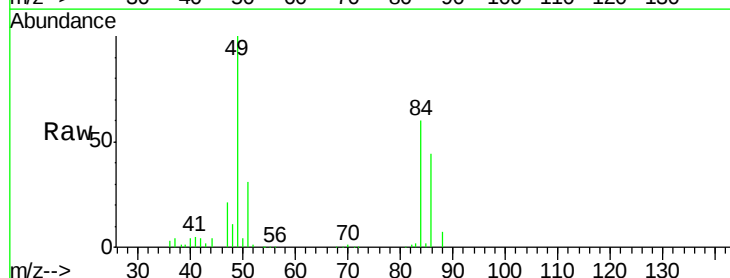
Tgt Ion: 84 Resp: 51072

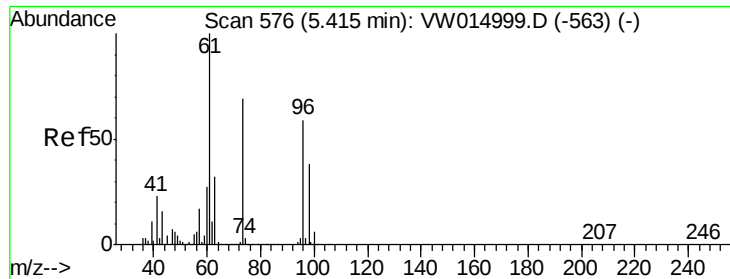
Ion Ratio Lower Upper

84 100

86 73.7 44.4 82.4

49 167.6 109.0 202.4





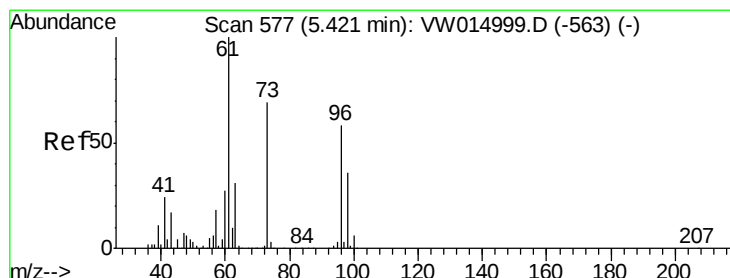
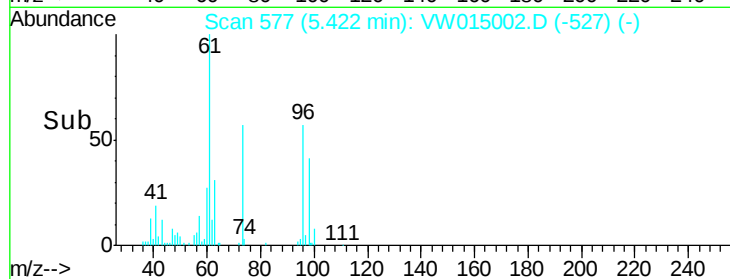
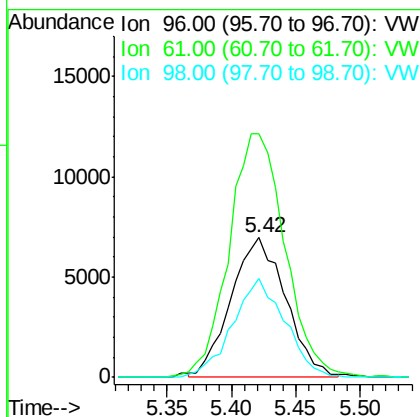
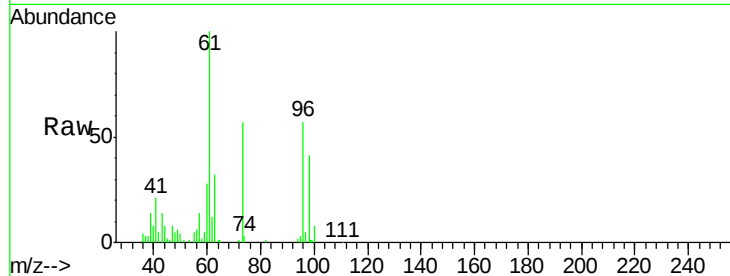
#17
trans-1,2-Dichloroethene
Concen: 1.856 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	96	Resp	20632
Ion Ratio	Lower	Upper	
96	100		
61	174.5	120.1	223.1
98	71.1	43.8	81.3

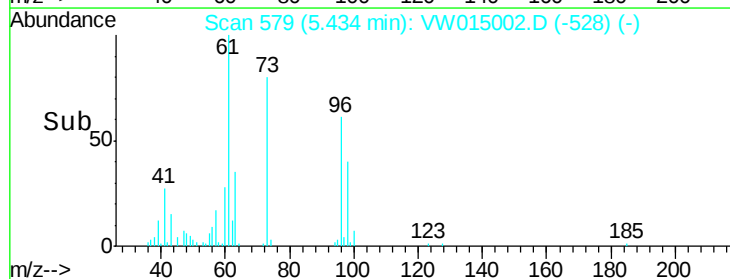
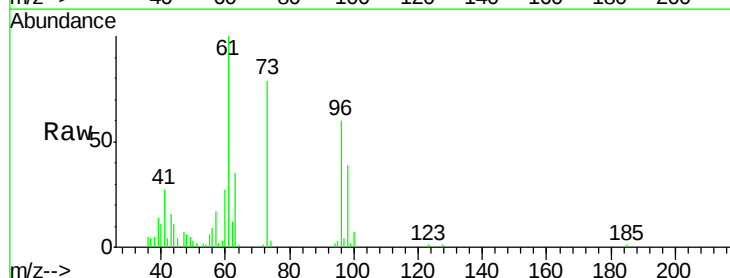
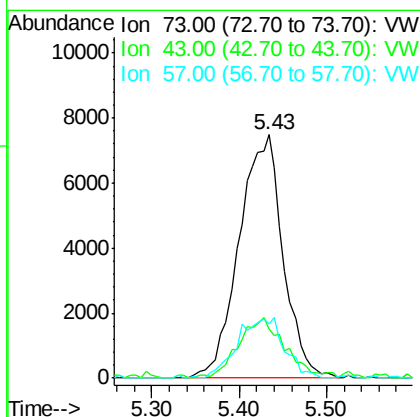
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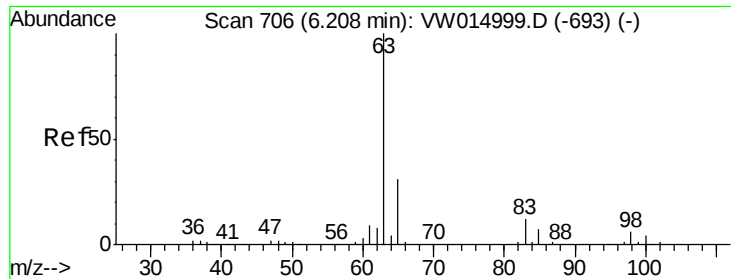
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 1.897 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion	73	Resp	26019
Ion Ratio	Lower	Upper	
73	100		
43	14.0	19.6	29.4#
57	0.0	21.0	31.4#





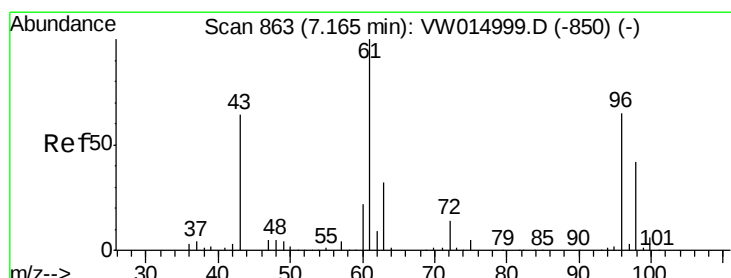
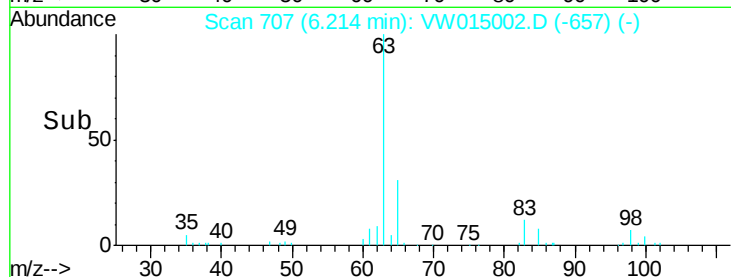
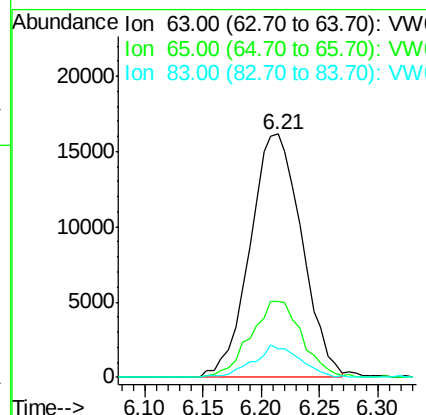
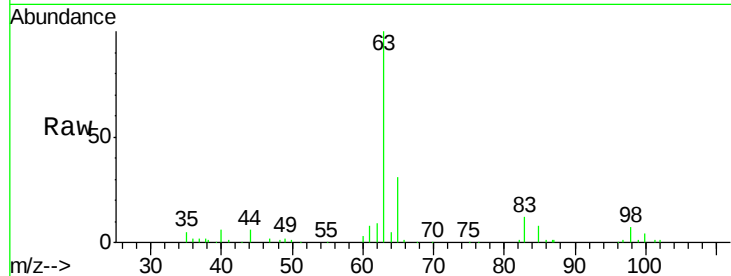
#19
 1,1-Dichloroethane
 Concen: 2.009 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	20.9	38.7
83	11.6	7.8	14.6

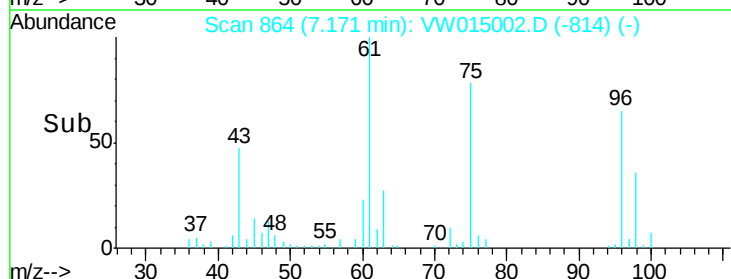
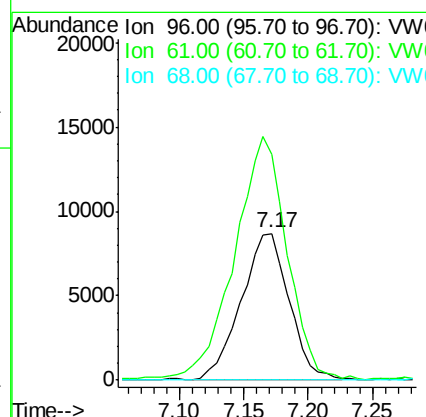
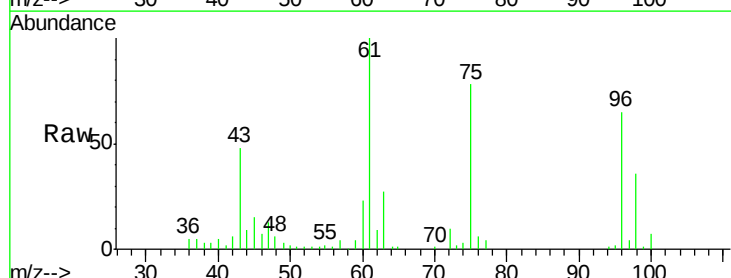
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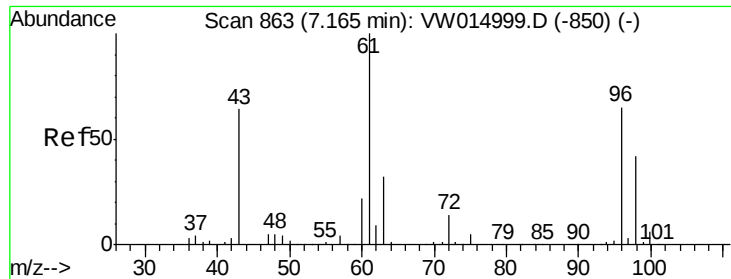
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 1.961 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.623 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 43 Resp: 24070

Ion Ratio Lower Upper

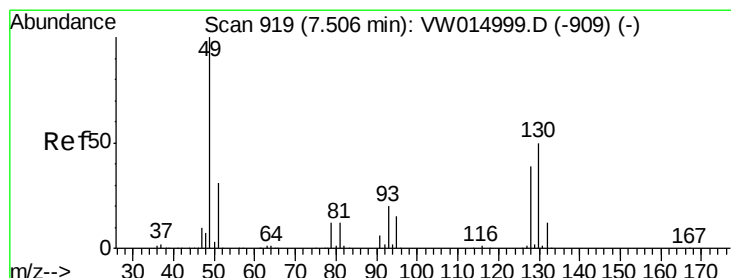
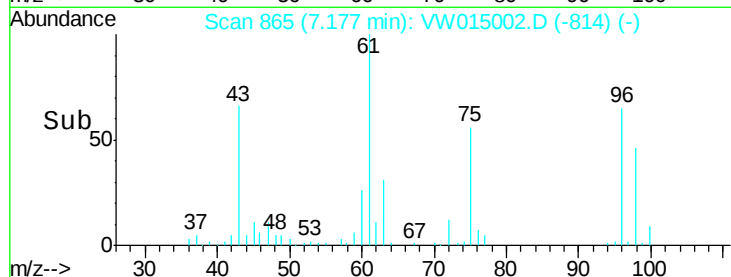
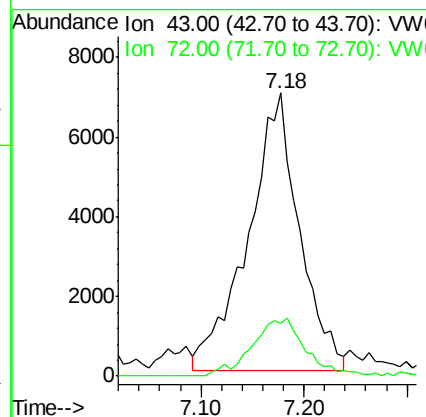
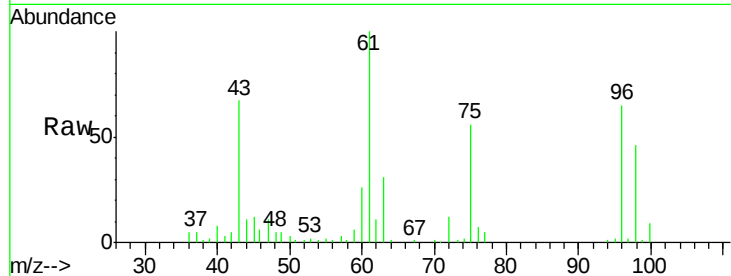
43 100

72 0.3 11.1 33.1#

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#23

Bromochloromethane

Concen: 2.053 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 128 Resp: 9538

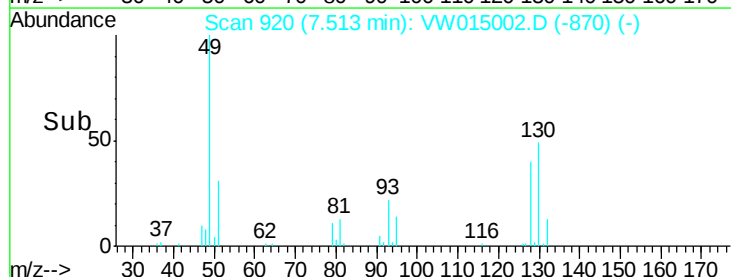
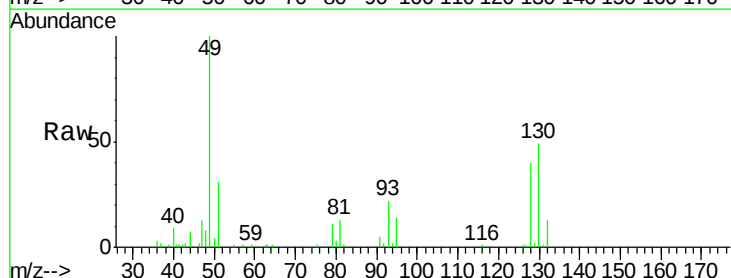
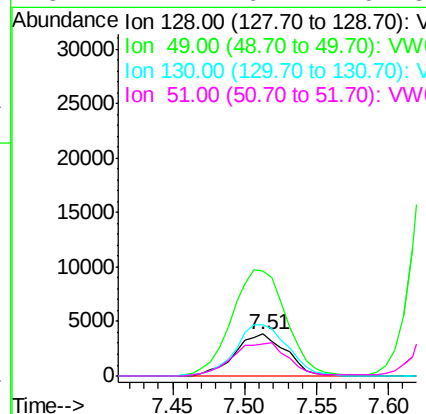
Ion Ratio Lower Upper

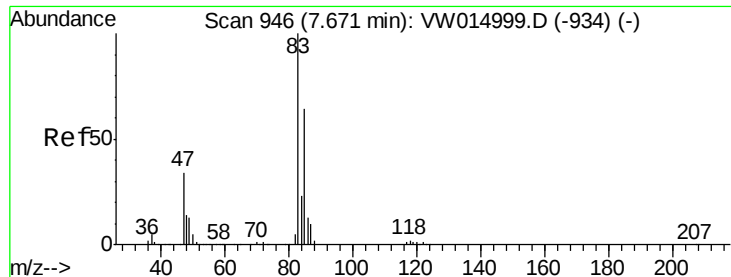
128 100

49 249.4 179.0 332.4

130 122.4 85.5 158.7

51 77.4 61.7 92.5





#25

Chloroform

Concen: 2.180 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 83 Resp: 48230

Ion Ratio Lower Upper

83 100

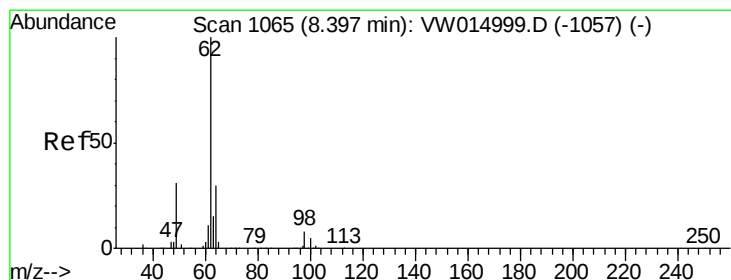
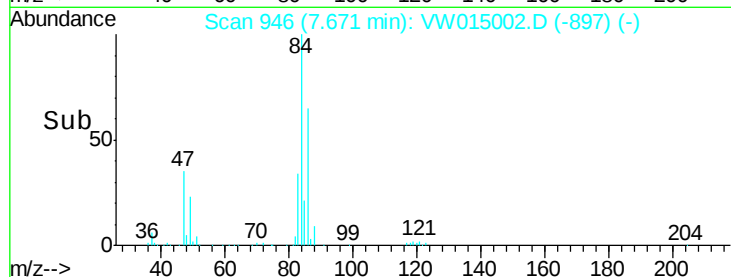
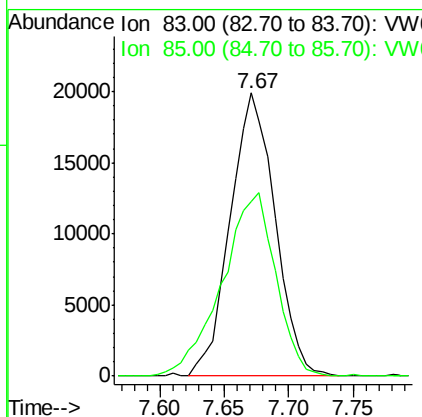
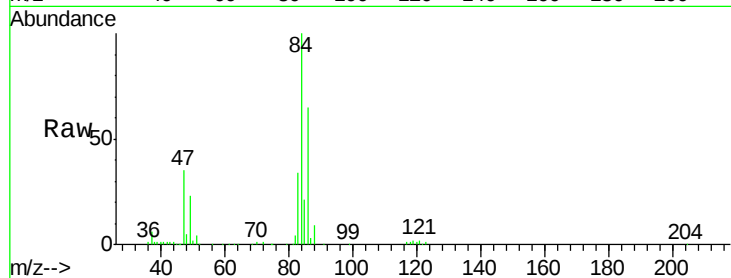
85 61.8 45.1 83.7

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#27

1,2-Dichloroethane

Concen: 2.141 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015002.D

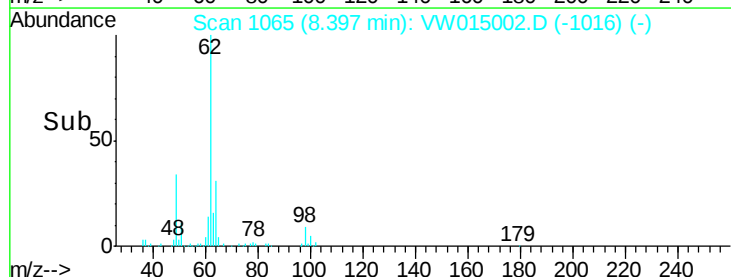
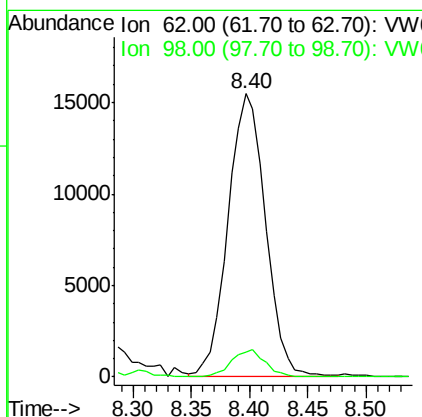
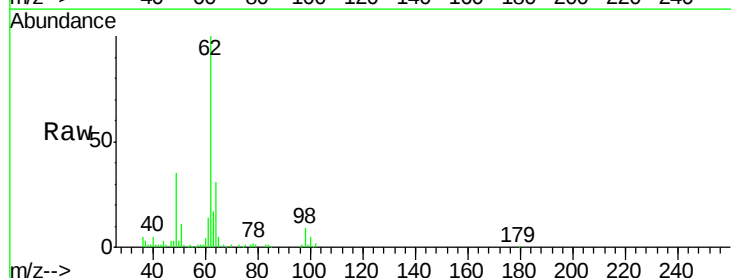
Acq: 17 Feb 2020 16:30

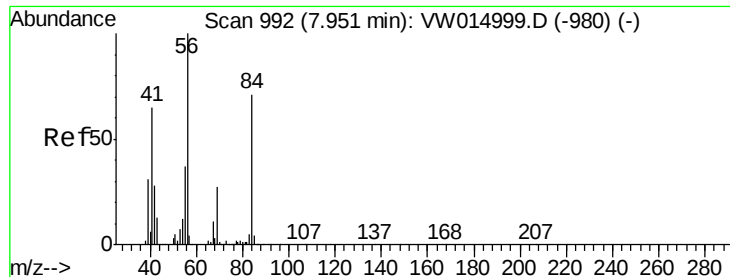
Tgt Ion: 62 Resp: 34799

Ion Ratio Lower Upper

62 100

98 8.7 6.2 9.4





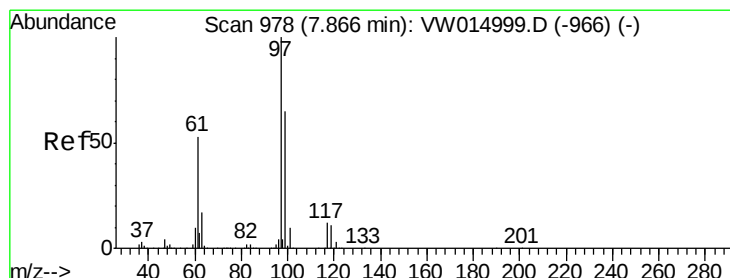
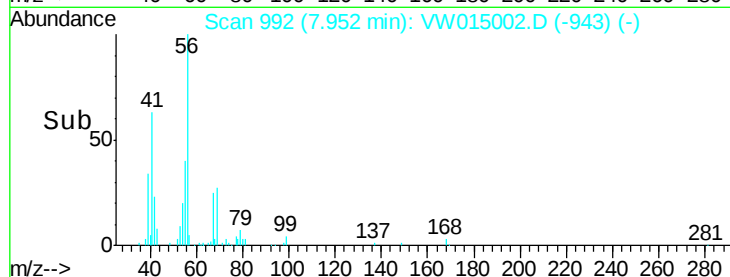
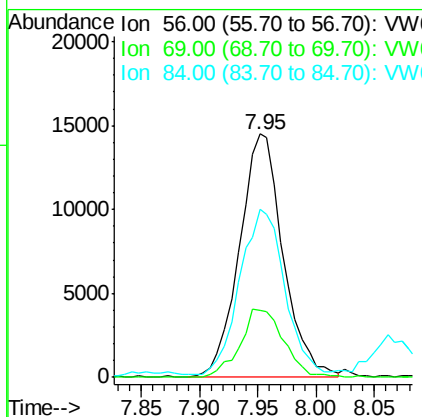
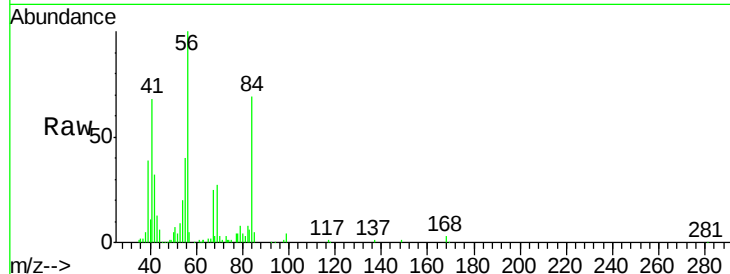
#29
Cyclohexane
Concen: 1.668 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.4	22.0	33.0
84	72.2	57.8	86.6

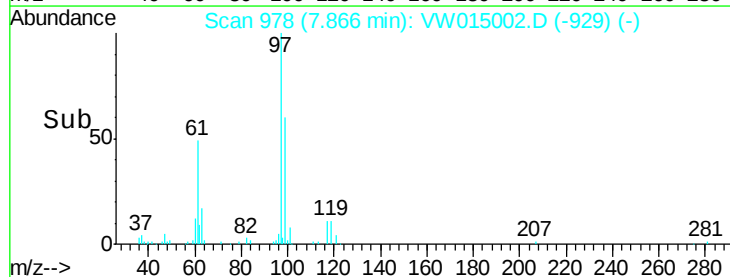
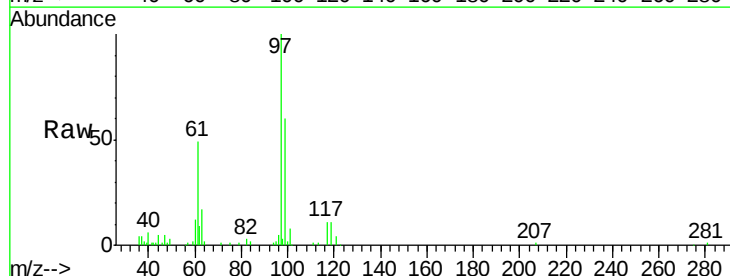
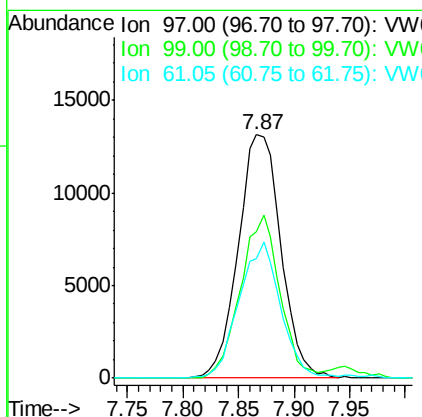
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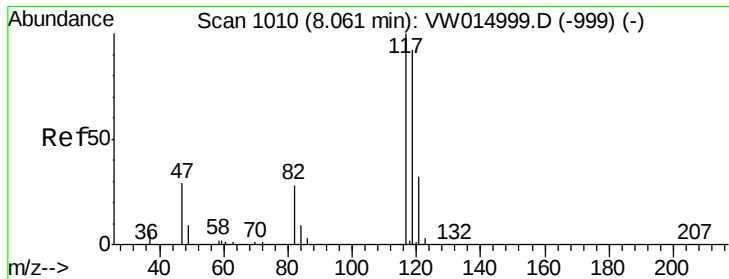
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#30
1,1,1-Trichloroethane
Concen: 2.068 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	50.6	75.8
61	54.0	42.7	64.1





#31

Carbon tetrachloride

Concen: 1.999 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion:117 Resp: 30576

Ion Ratio Lower Upper

117 100

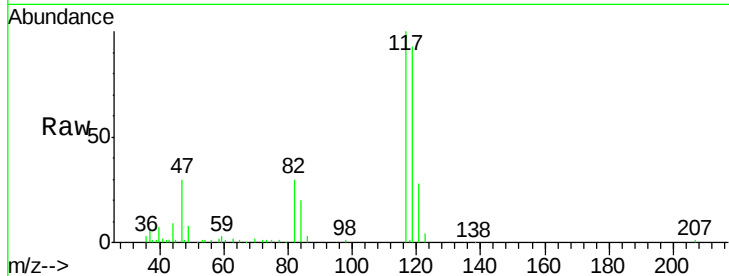
119 96.9 76.6 114.8

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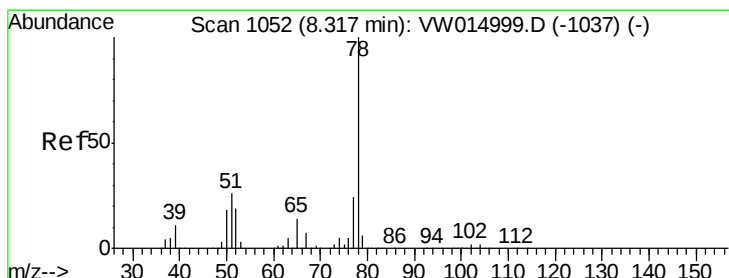
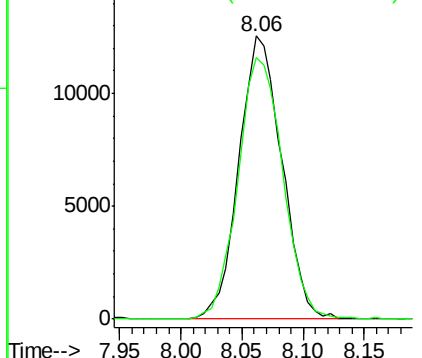
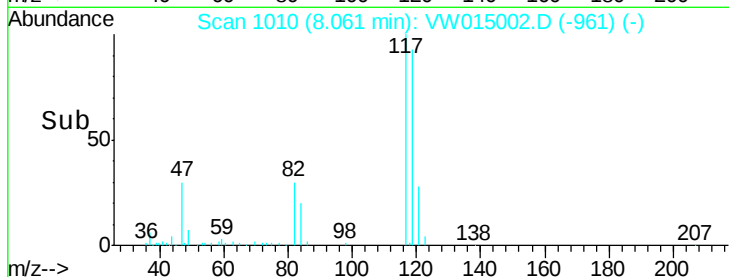
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.080 ug/L

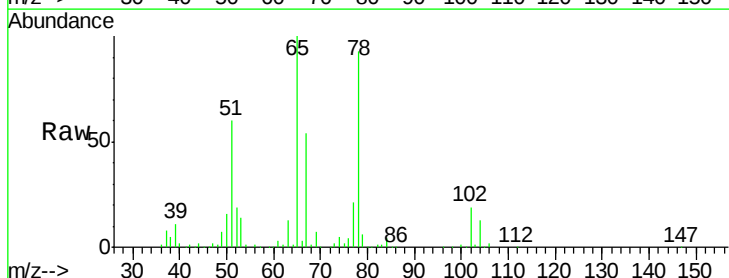
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

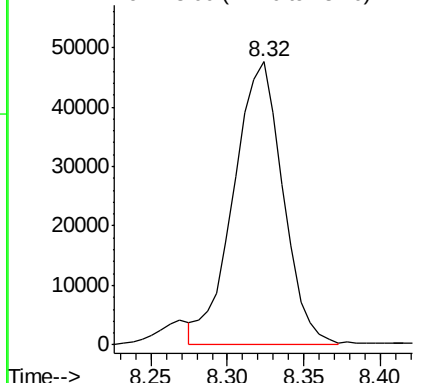
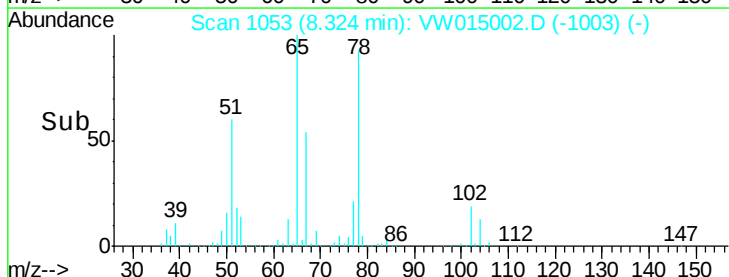
Lab File: VW015002.D

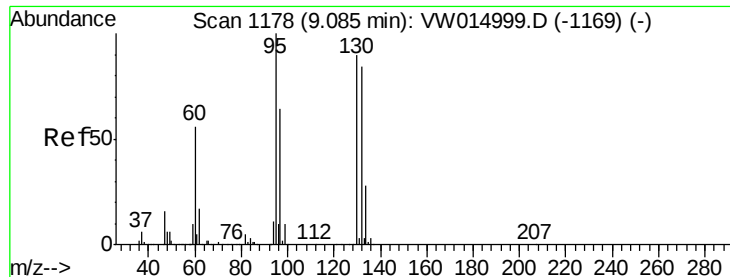
Acq: 17 Feb 2020 16:30

Tgt Ion: 78 Resp: 106549



Abundance Ion 78.00 (77.70 to 78.70): VW





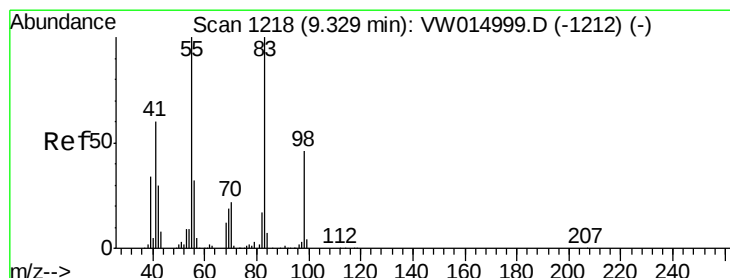
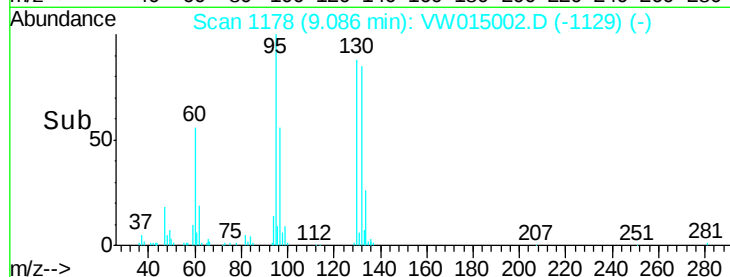
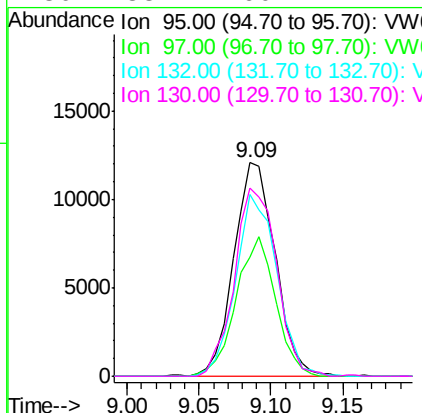
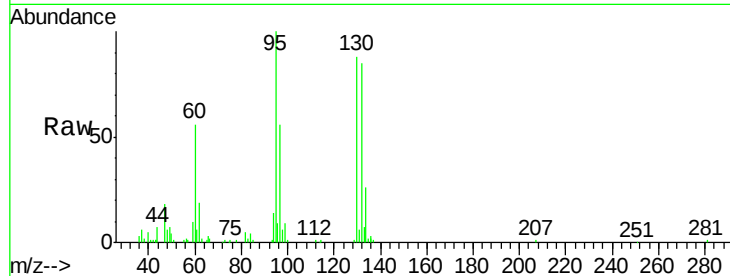
#34
 Trichloroethene
 Concen: 1.968 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
95	100		
97	55.9	44.2	82.0
132	84.8	56.1	104.3
130	88.1	60.1	111.7

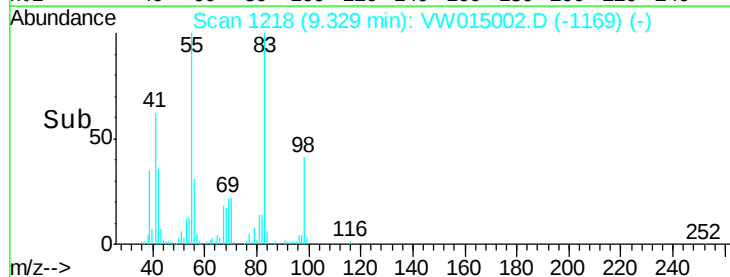
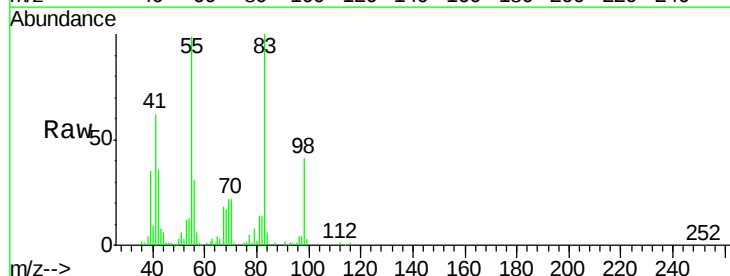
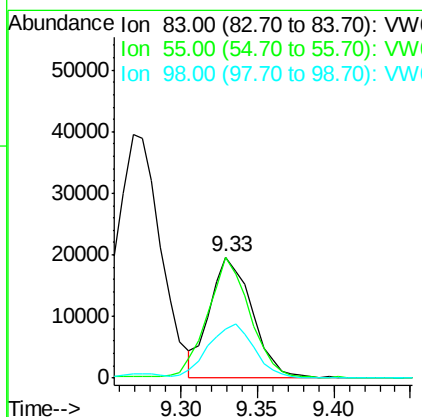
Manual Integrations
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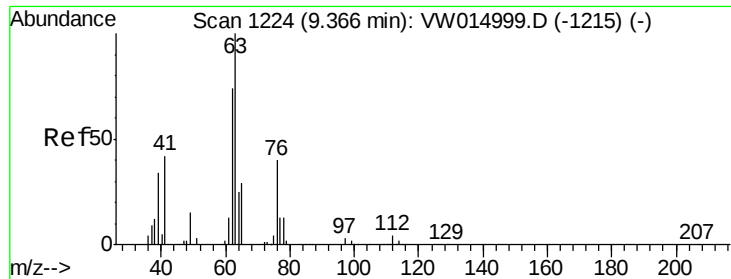
MMDadoda
 2/19/2020 6:02:55 PM



#35
 Methylcyclohexane
 Concen: 1.792 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	100.2	76.3	114.5
98	48.7	36.4	54.6





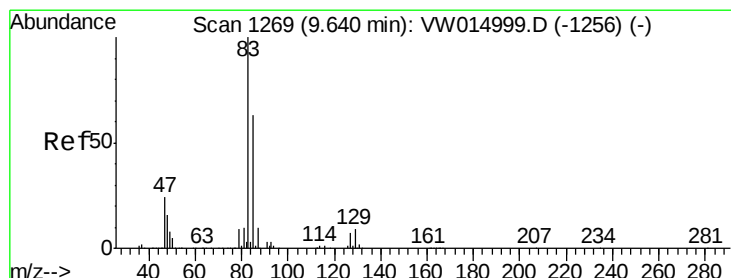
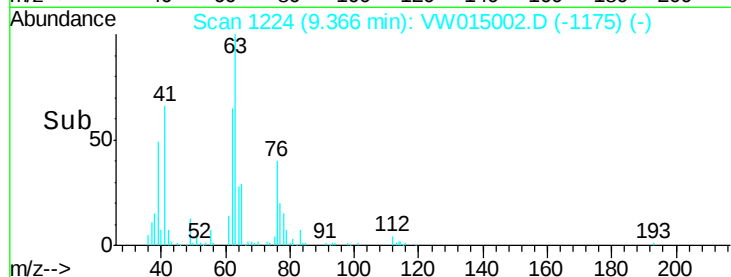
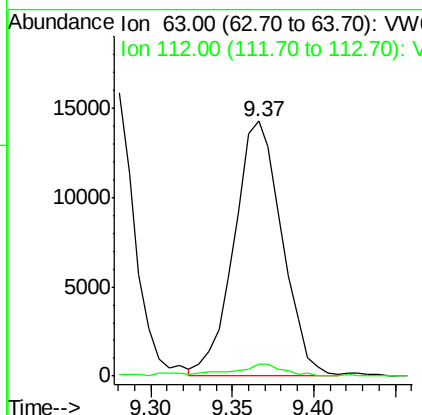
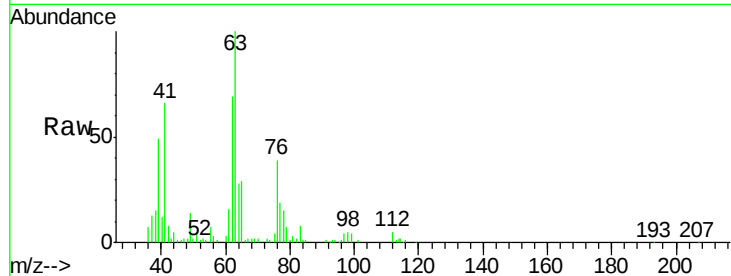
#37
 1,2-Dichloropropane
 Concen: 2.039 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 29166
 Ion Ratio Lower Upper
 63 100
 112 4.9 2.6 4.0#

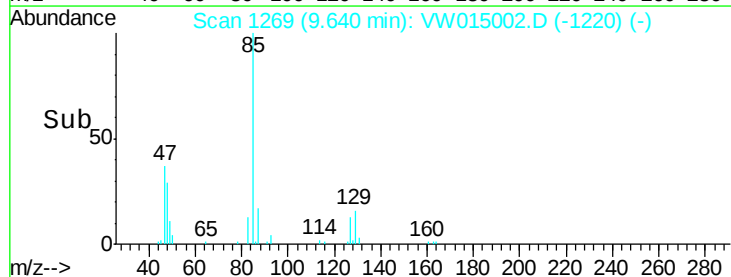
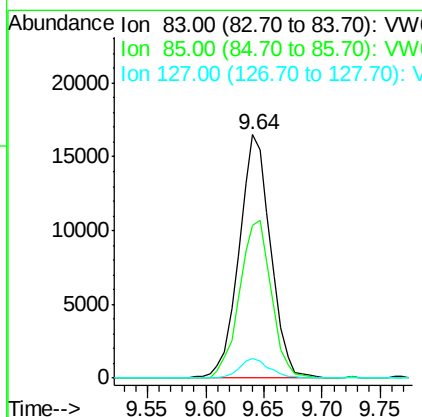
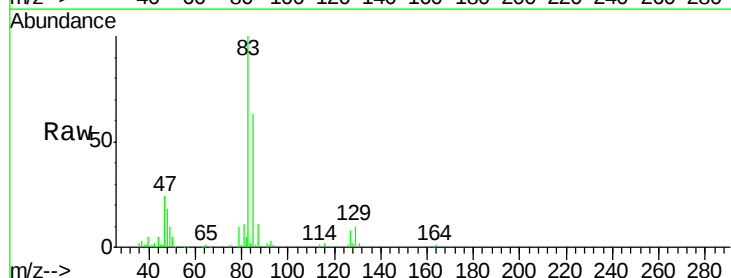
Manual Integrations
 APPROVED

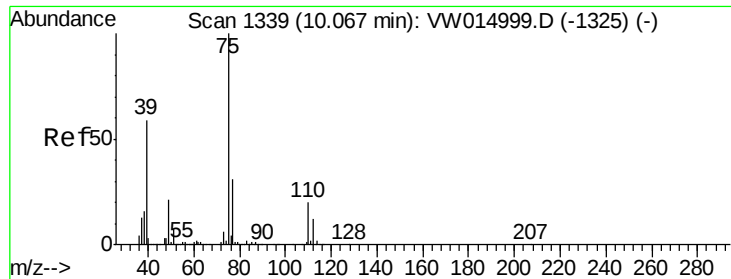
MMDadoda
 2/19/2020 6:02:55 PM



#38
 Bromodichloromethane
 Concen: 1.932 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion: 83 Resp: 31125
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.2 84.0
 127 7.9 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 1.875 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 75 Resp: 35894

Ion Ratio Lower Upper

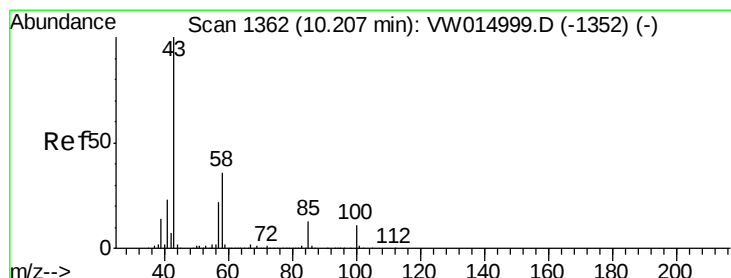
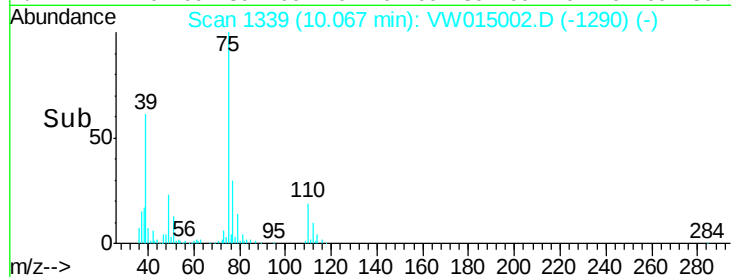
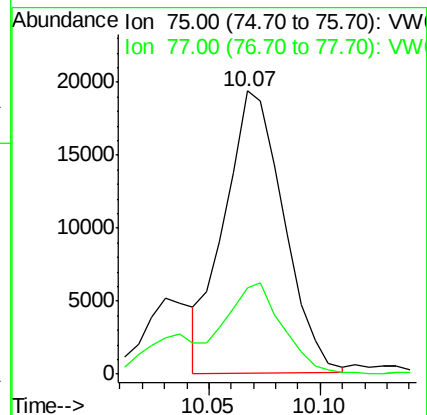
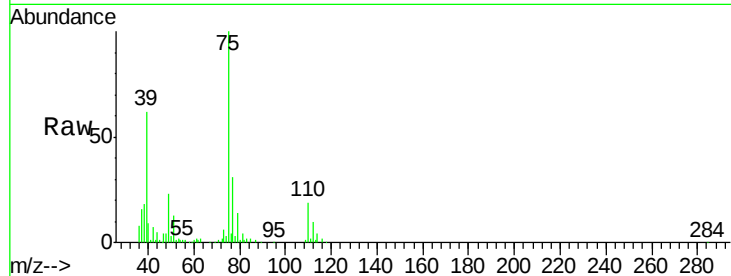
75 100

77 30.6 21.6 40.2

Manual Integrations
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#40

4-Methyl-2-pentanone

Concen: 3.456 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

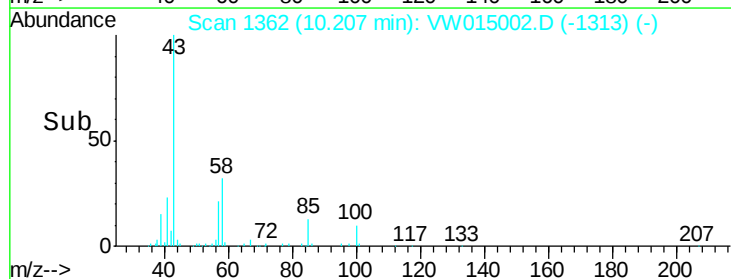
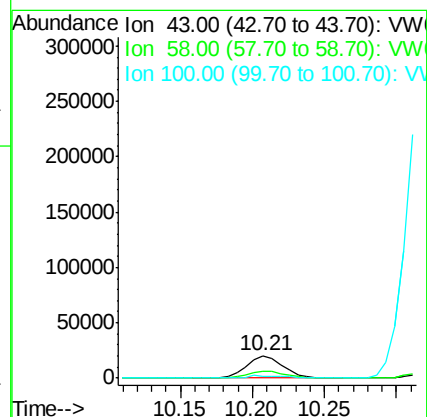
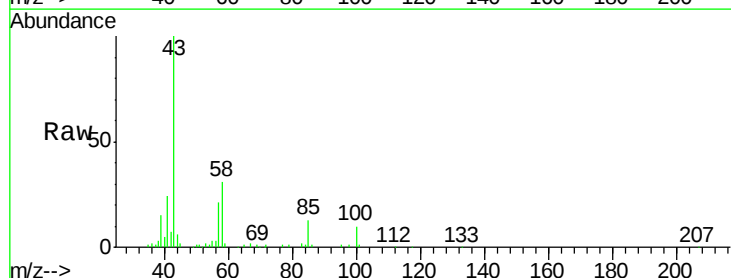
Tgt Ion: 43 Resp: 35203

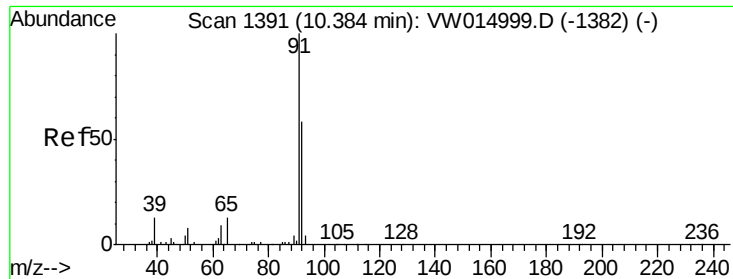
Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5

100 11.5 8.6 13.0





#42

Toluene

Concen: 2.071 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 102524

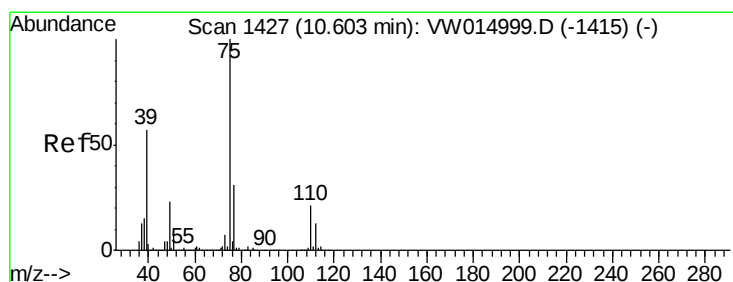
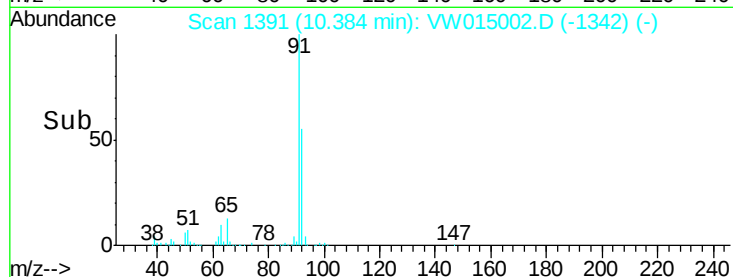
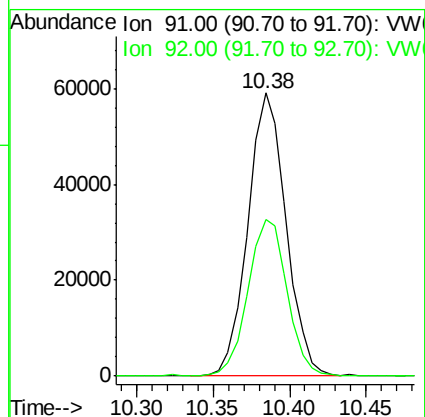
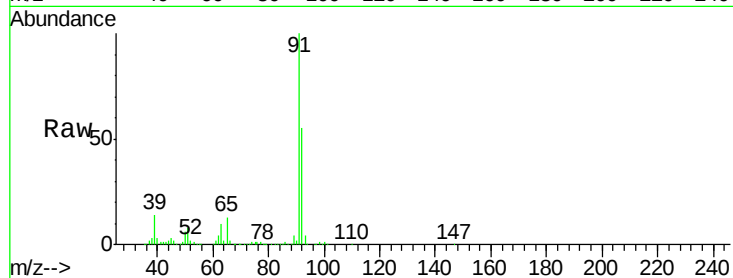
Ion Ratio Lower Upper

91 100

92 55.2 39.5 73.3

Manual Integrations
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#44

trans-1,3-Dichloropropene

Concen: 1.925 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015002.D

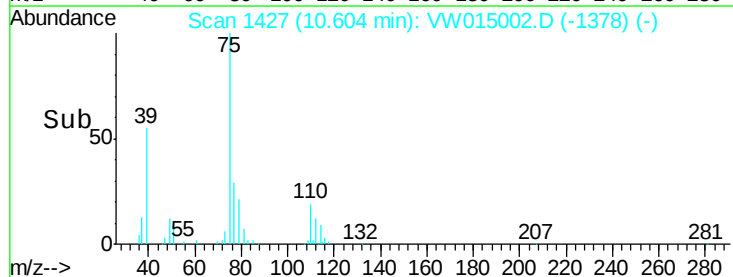
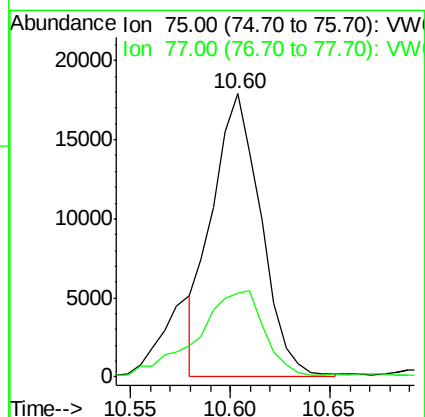
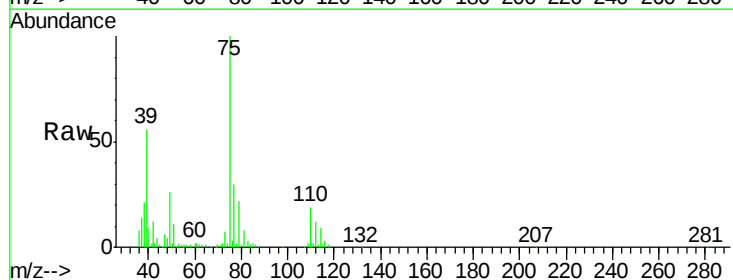
Acq: 17 Feb 2020 16:30

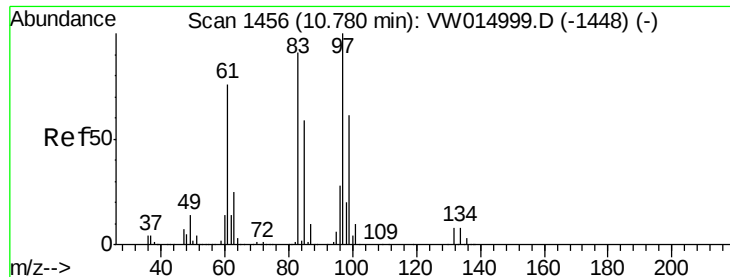
Tgt Ion: 75 Resp: 30559

Ion Ratio Lower Upper

75 100

77 29.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 1.965 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 97 Resp: 17049

Ion Ratio Lower Upper

97 100

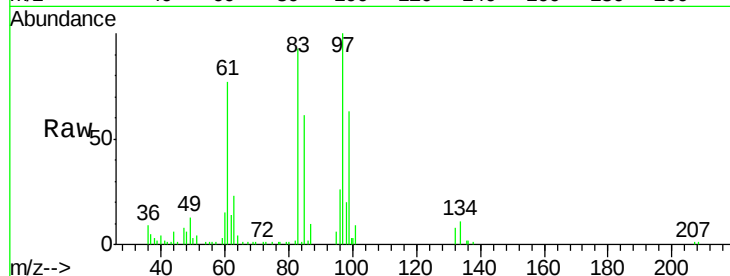
99 62.9 44.2 82.0

83 93.4 64.1 119.1

85 60.8 42.1 78.1

Manual Integrations
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2/19/2020 6:02:55 PM

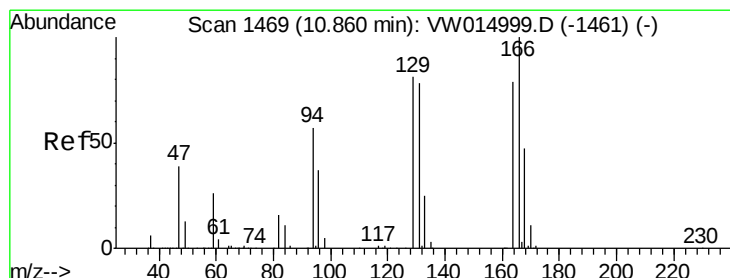
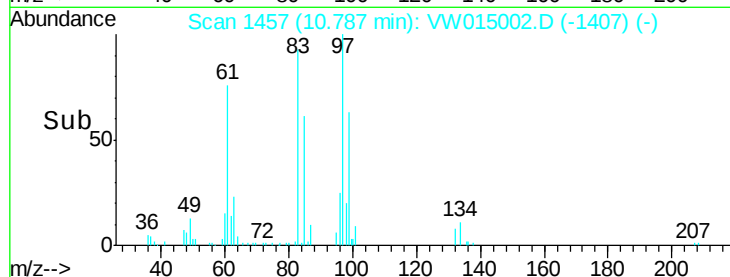
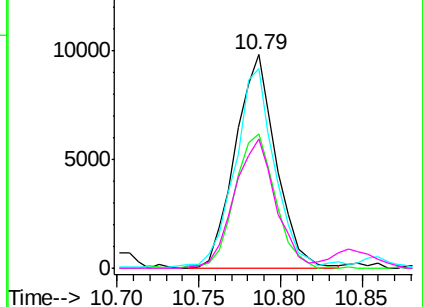


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 1.942 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion: 164 Resp: 15468

Ion Ratio Lower Upper

164 100

129 107.7 72.2 134.2

131 95.8 68.1 126.5

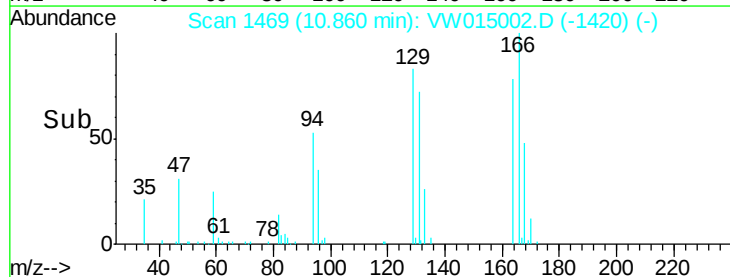
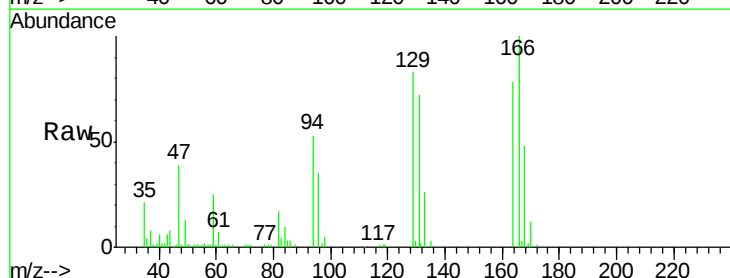
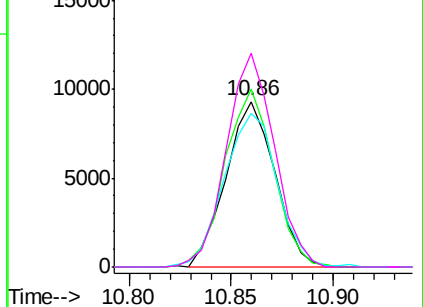
166 129.0 90.6 168.2

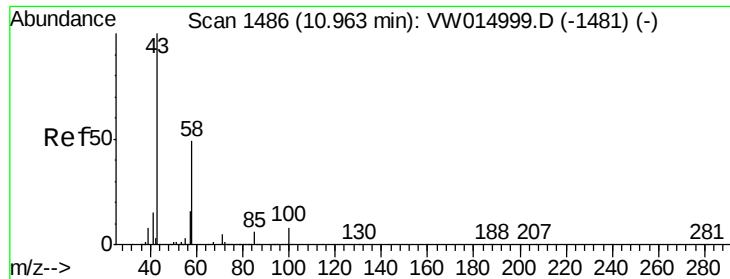
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





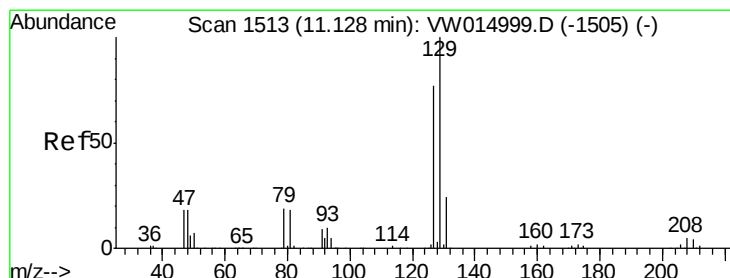
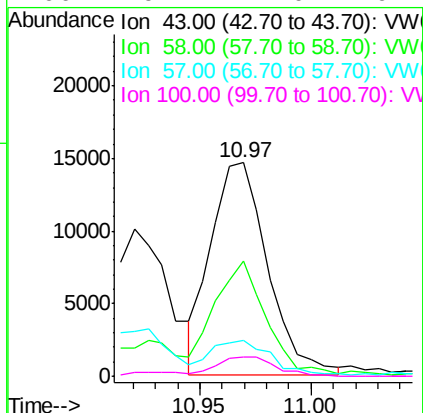
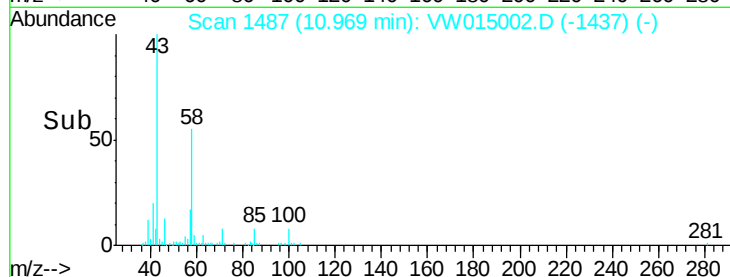
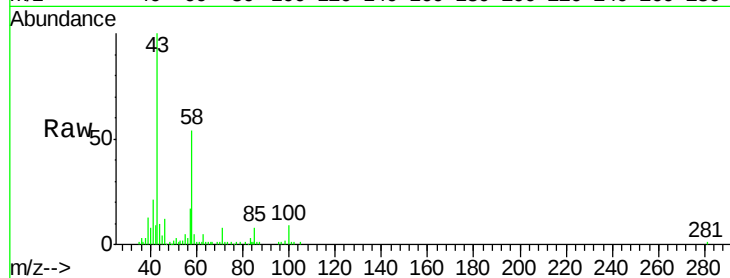
#48
2-Hexanone
Concen: 3.525 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	39.2	58.8
57	18.4	13.1	19.7
100	9.2	7.0	10.4

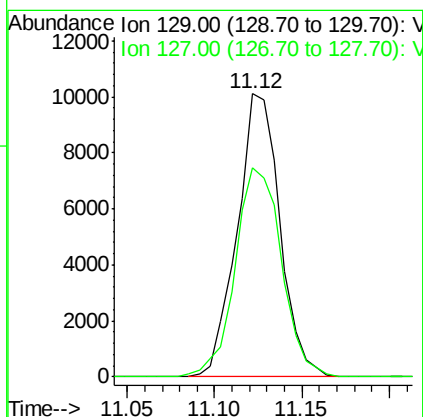
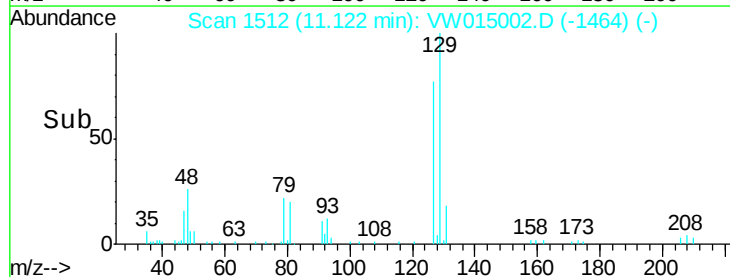
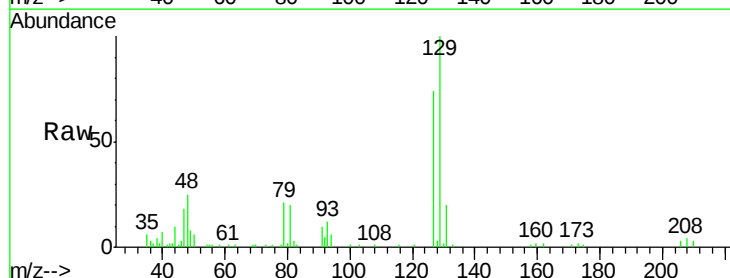
Manual Integrations
APPROVED

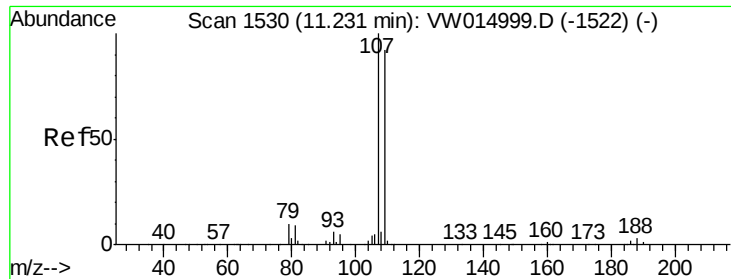
MMDadoda
2/19/2020 6:02:55 PM



#49
Dibromochloromethane
Concen: 1.899 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.8	53.0	98.4





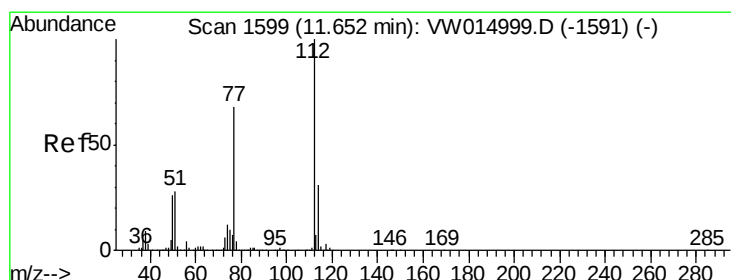
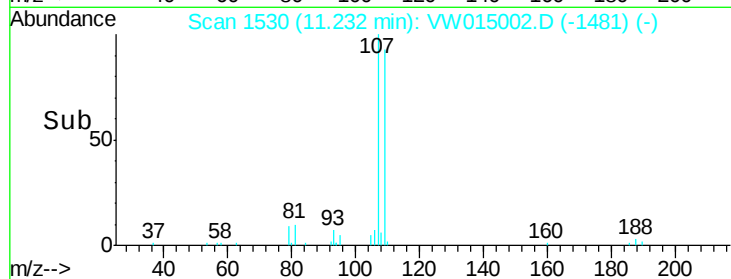
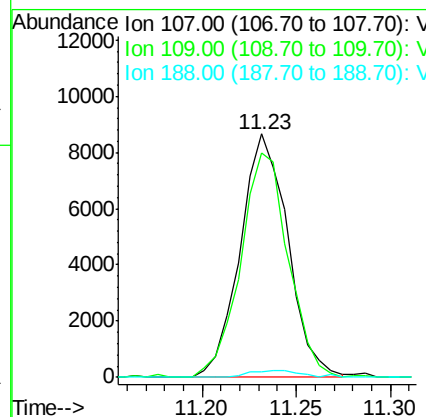
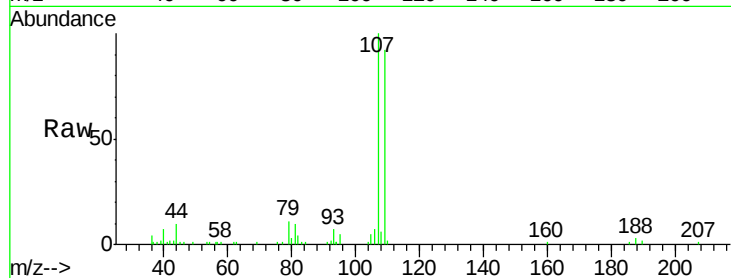
#50
1,2-Dibromoethane
Concen: 1.942 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	65.1	120.9
188	2.5	2.4	3.6

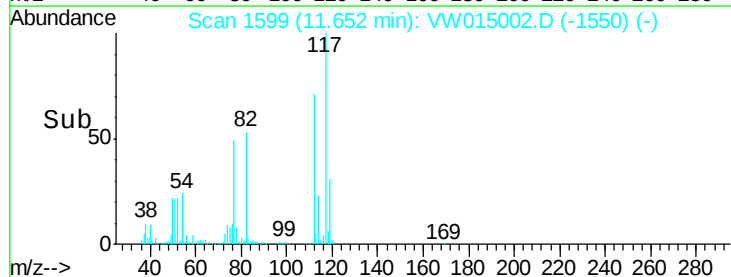
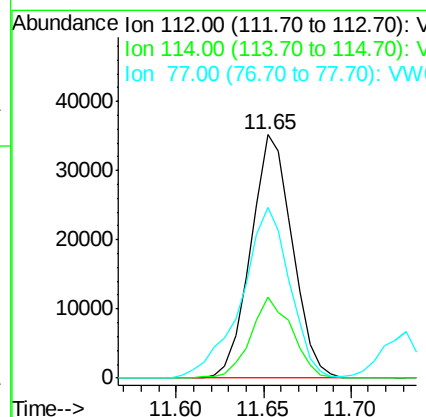
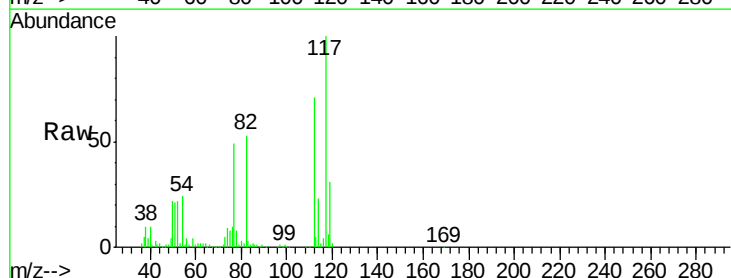
Manual Integrations
APPROVED

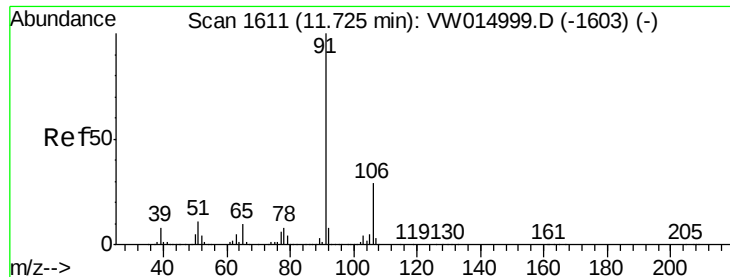
MMDadoda
2/19/2020 6:02:55 PM



#51
Chlorobenzene
Concen: 1.991 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.6	42.0
77	69.9	54.6	82.0





#52

Ethylbenzene

Concen: 1.843 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 91 Resp: 99370

Ion Ratio Lower Upper

91 100

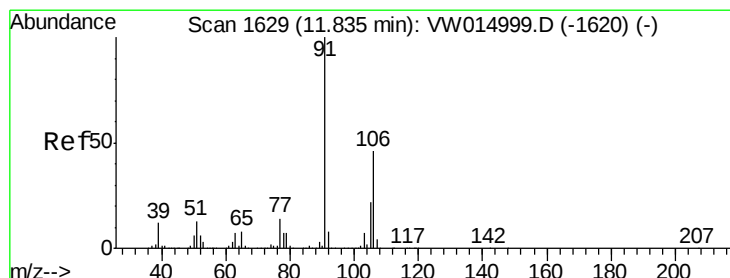
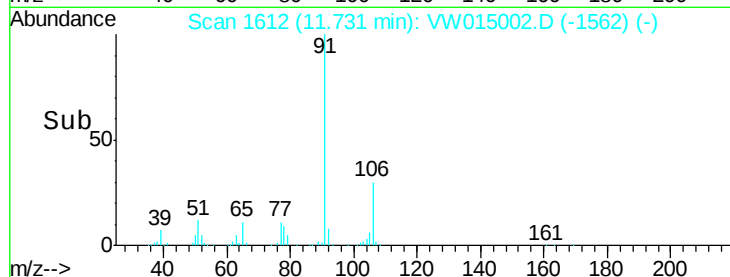
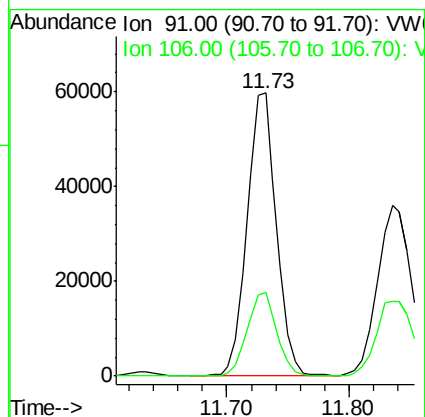
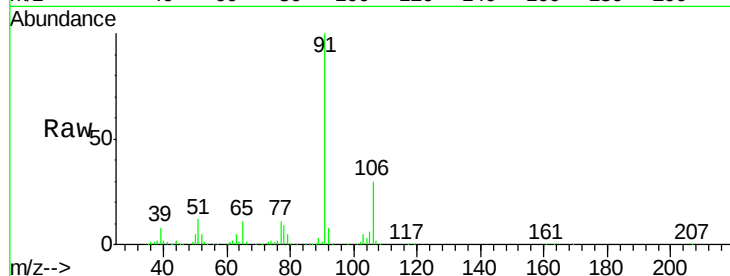
106 29.7 20.2 37.4

Manual Integrations

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#53

m,p-Xylene

Concen: 1.752 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW015002.D

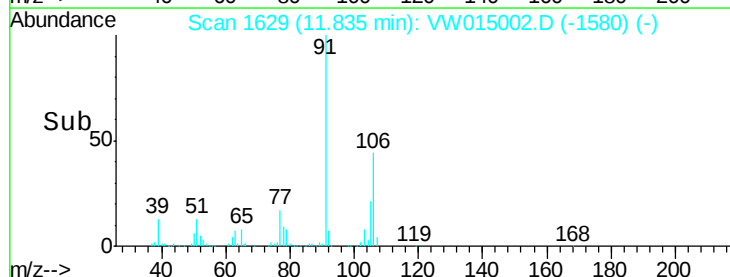
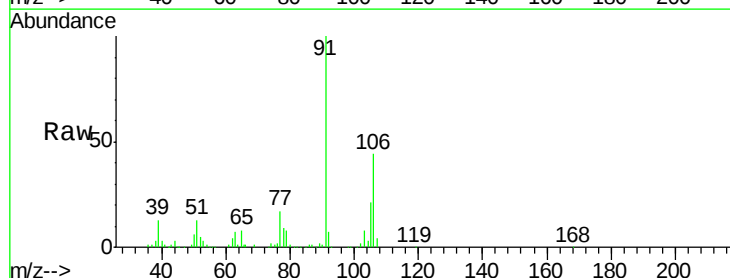
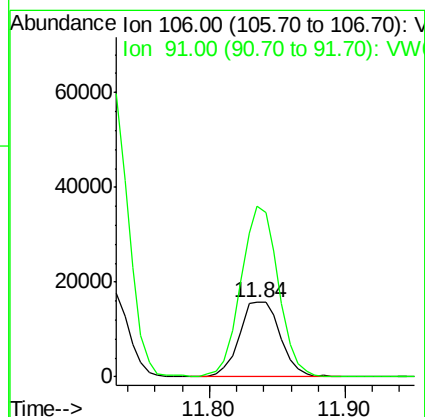
Acq: 17 Feb 2020 16:30

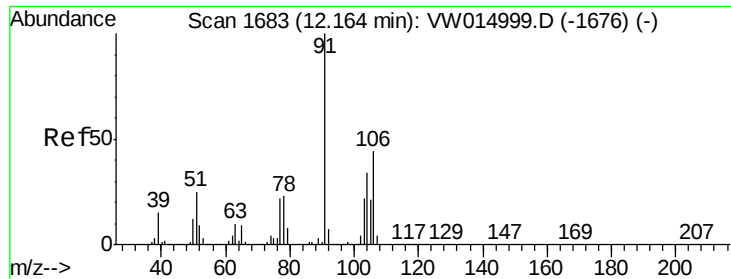
Tgt Ion: 106 Resp: 33147

Ion Ratio Lower Upper

106 100

91 228.5 149.2 277.2





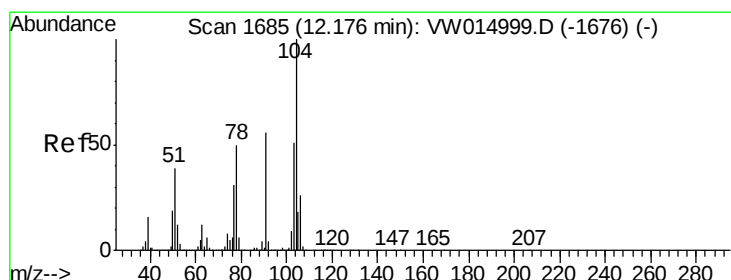
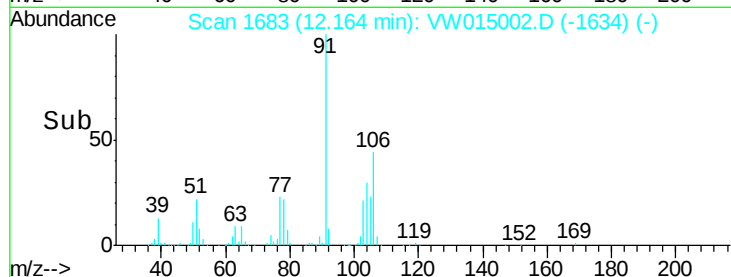
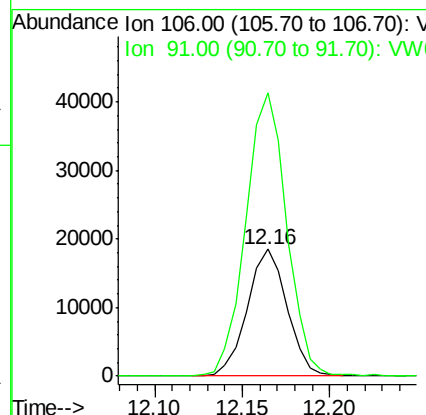
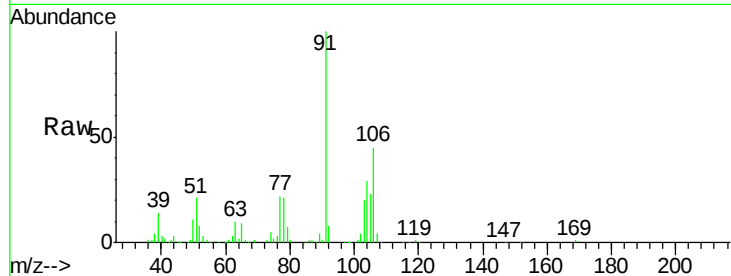
#54
o-Xylene
Concen: 1.653 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion:106 Resp: 29365
Ion Ratio Lower Upper
106 100
91 223.3 163.7 304.1

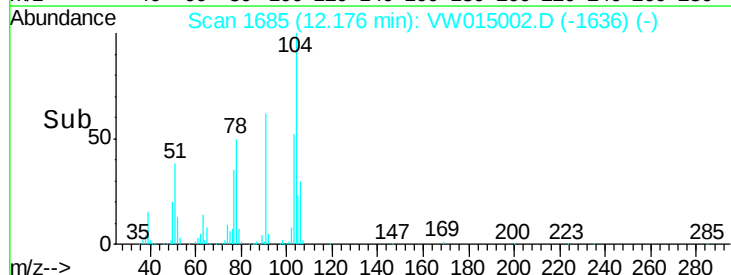
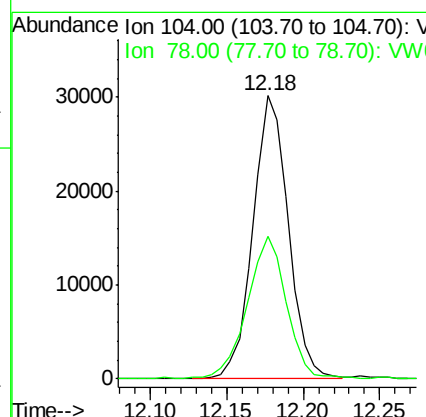
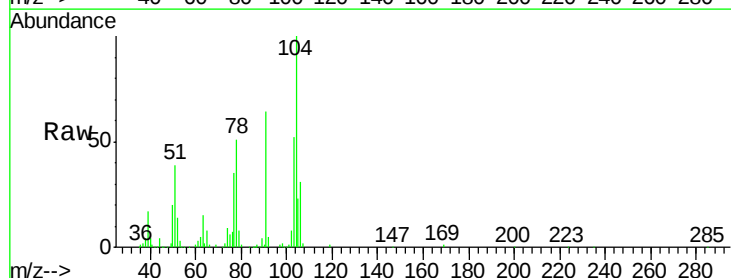
Manual Integrations
APPROVED

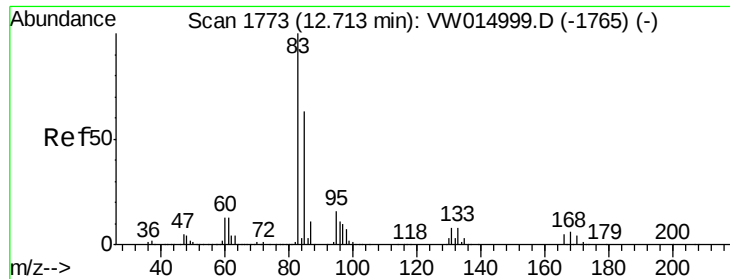
MMDadoda
2/19/2020 6:02:55 PM



#55
Styrene
Concen: 1.590 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion:104 Resp: 48688
Ion Ratio Lower Upper
104 100
78 50.5 36.8 68.4





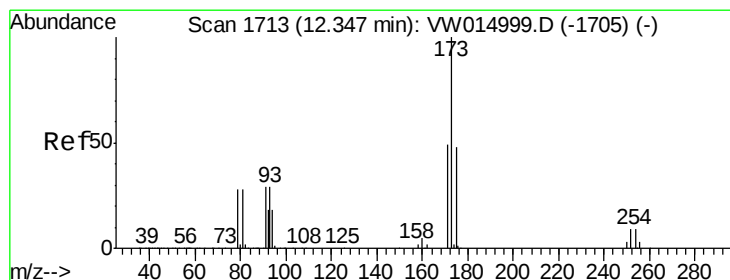
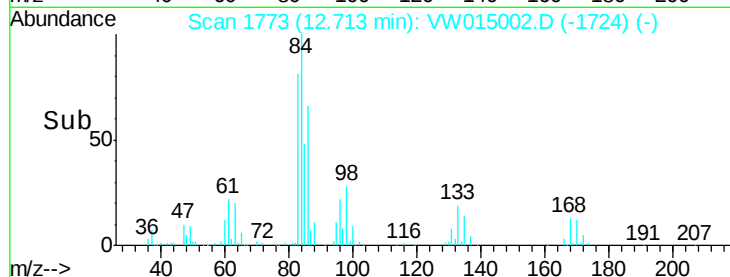
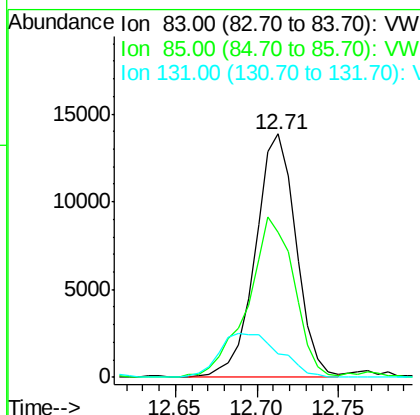
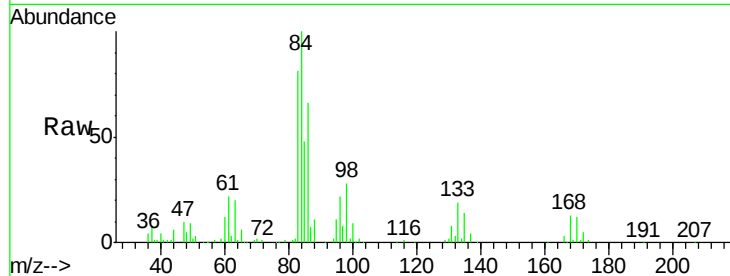
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.073 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
85	59.6	44.9	83.5
131	9.5	6.2	9.2#

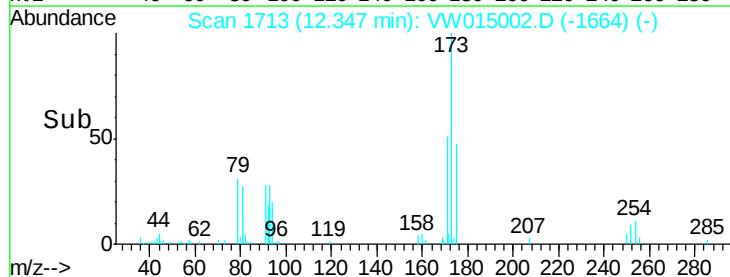
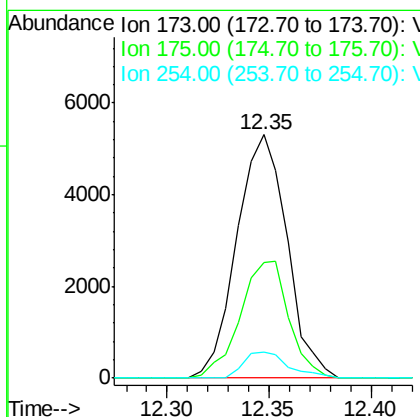
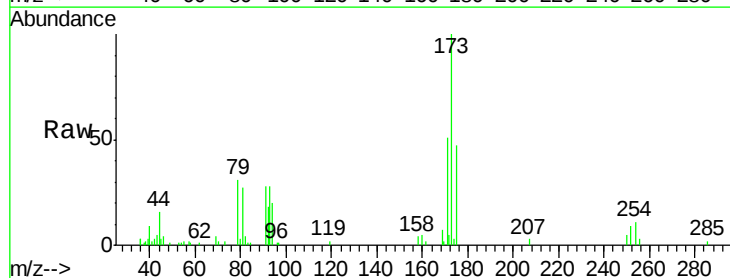
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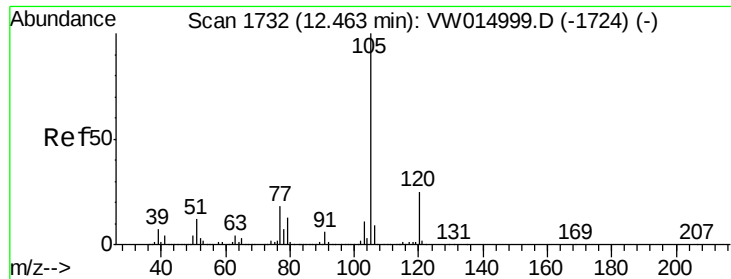
MMDadoda
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#59
 Bromoform
 Concen: 2.072 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.0	58.4
254	9.6	7.1	10.7





#60

Isopropylbenzene

Concen: 1.709 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Instrument :

MSVOA_W

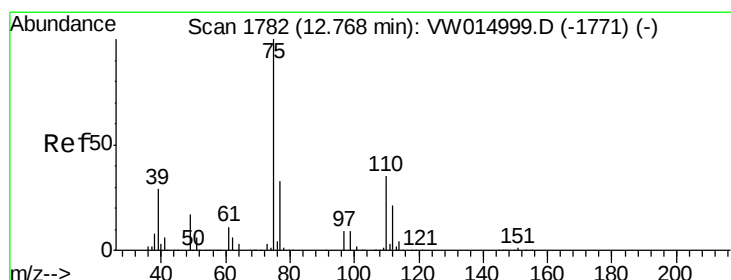
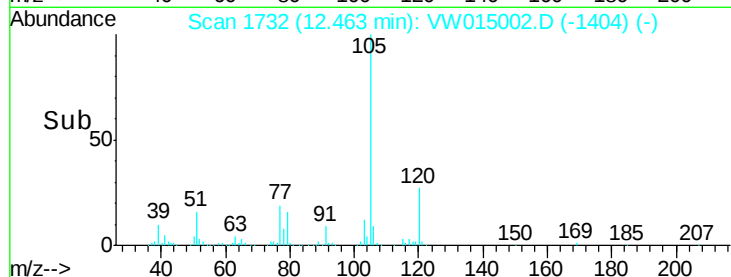
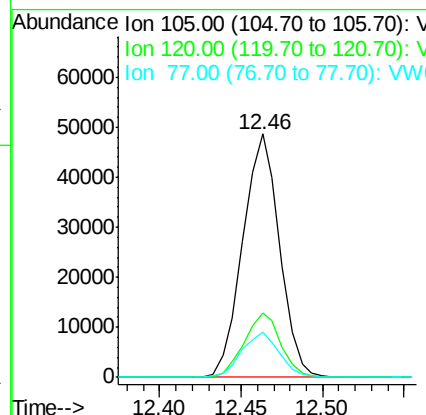
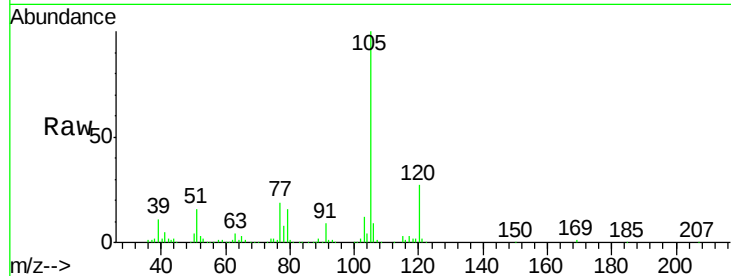
ClientSampled :

MDL07

Tot Ion:	105	Resp:	76547
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.1	30.1
77	19.0	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 2.134 ug/L

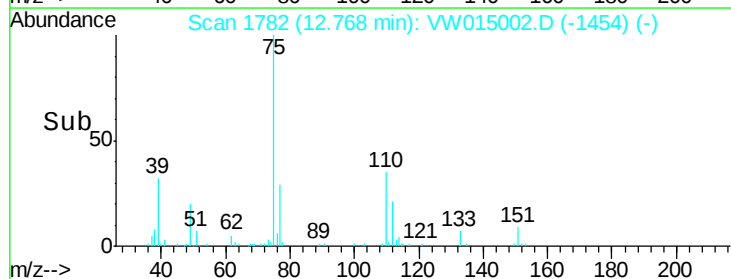
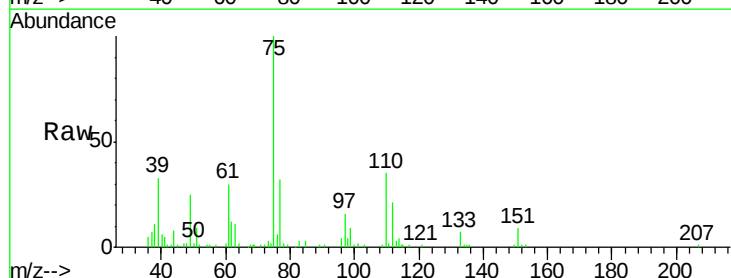
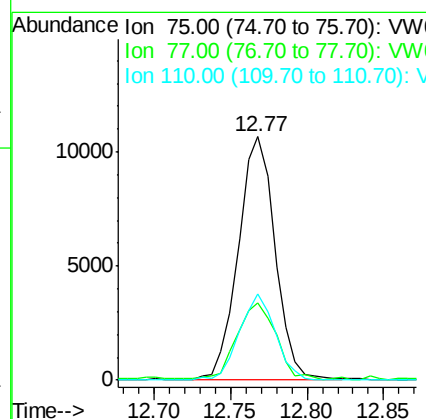
RT: 12.77 min Scan# 1782

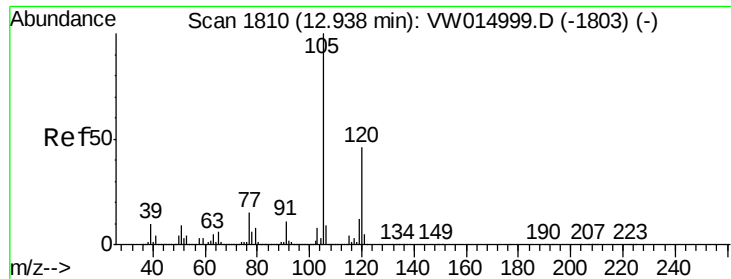
Delta R.T. 0.00 min

Lab File: VW015002.D

Acq: 17 Feb 2020 16:30

Tgt Ion:	75	Resp:	17892
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.8	38.6
110	34.2	26.6	39.8





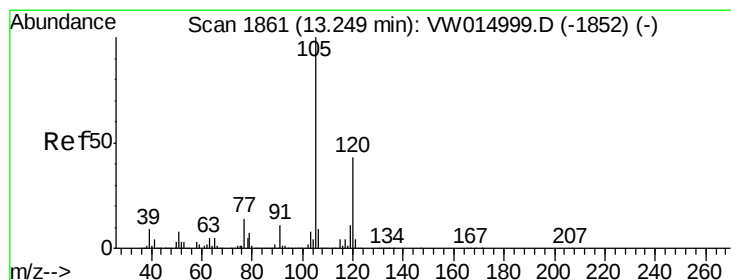
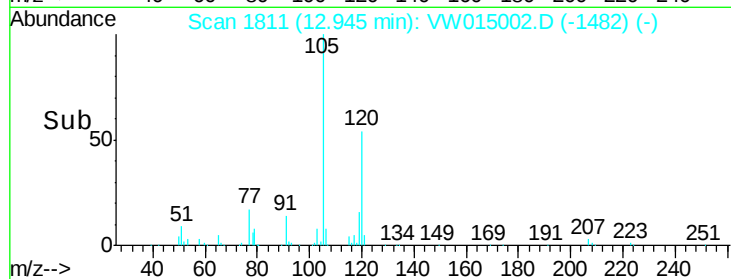
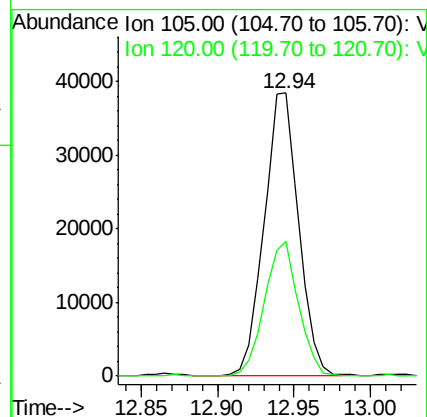
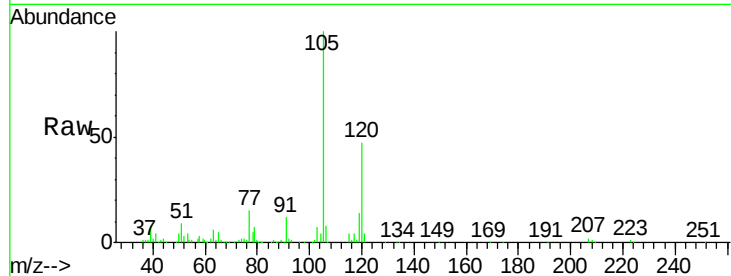
#62
 1,3,5-Trimethylbenzene
 Concen: 1.698 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.4	56.0

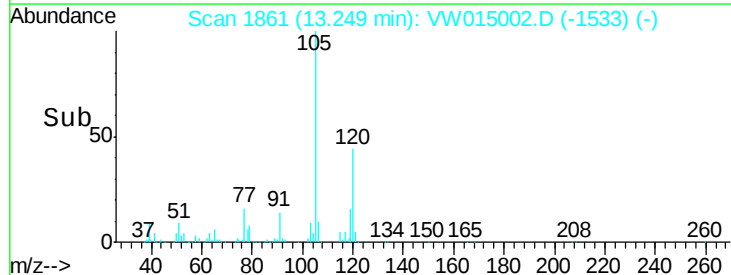
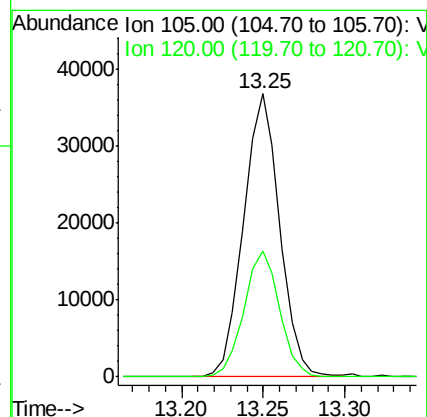
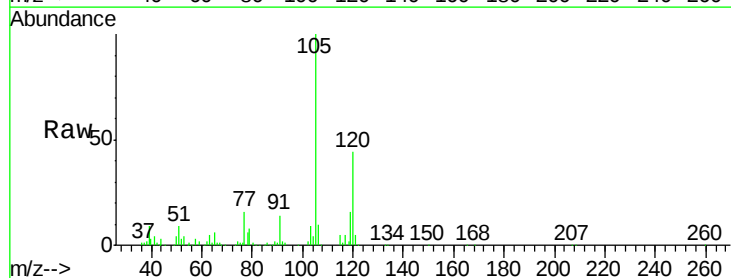
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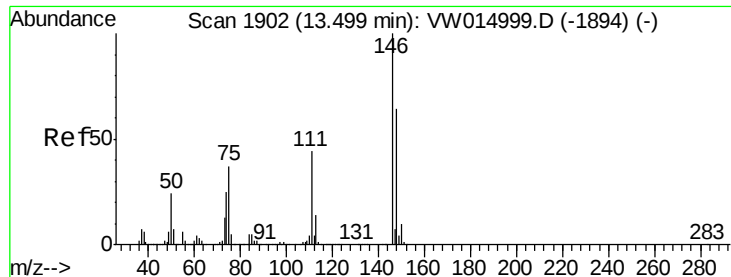
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.632 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	35.0	52.4





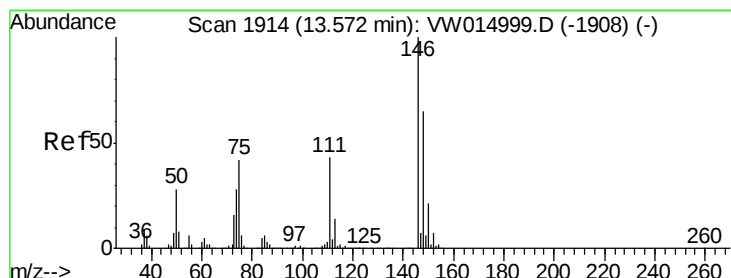
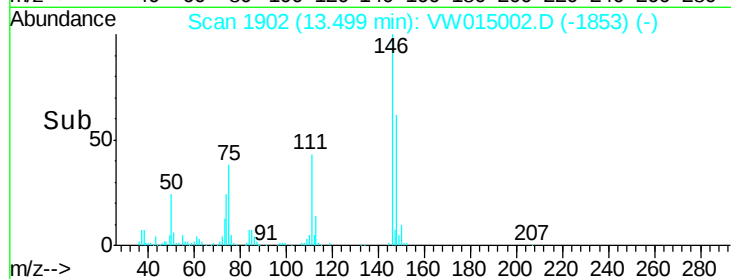
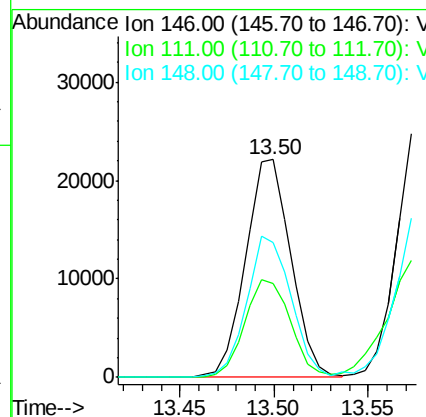
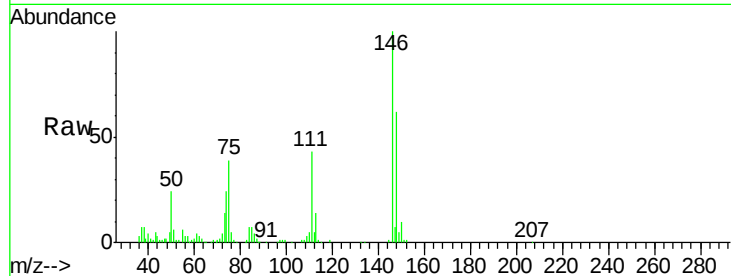
#64
 1,3-Dichlorobenzene
 Concen: 2.000 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	30.2	56.0
148	61.9	44.2	82.2

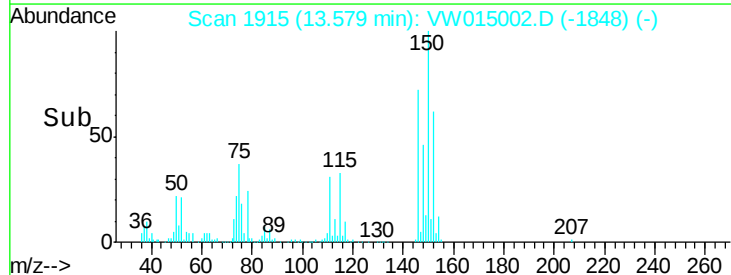
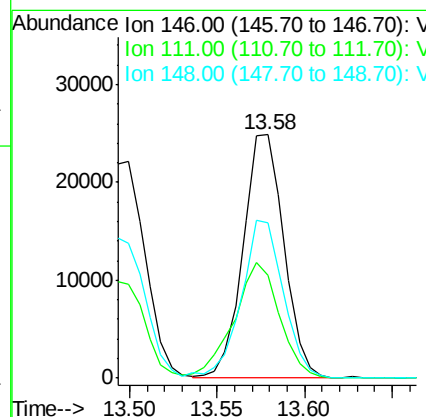
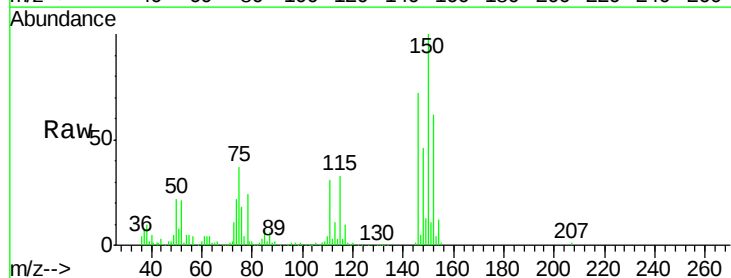
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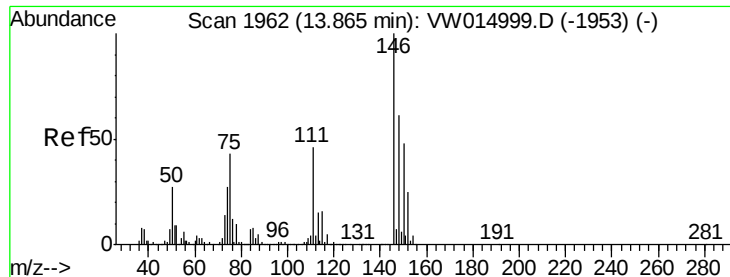
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#65
 1,4-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.5	54.9
148	63.9	43.8	81.3





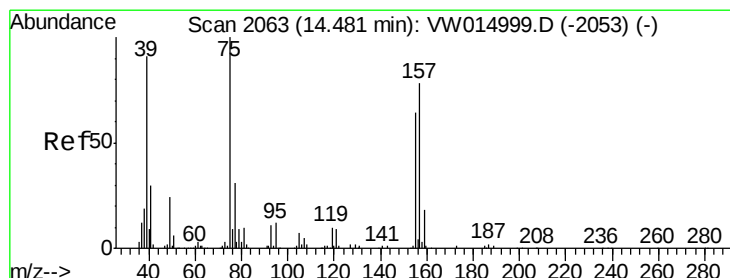
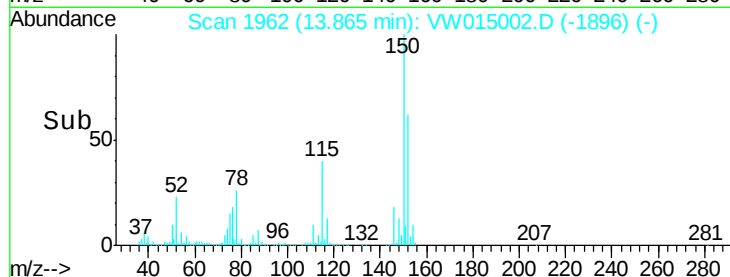
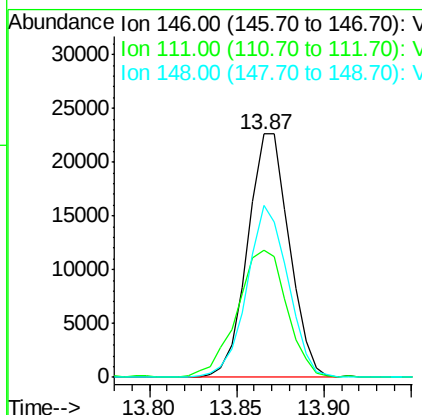
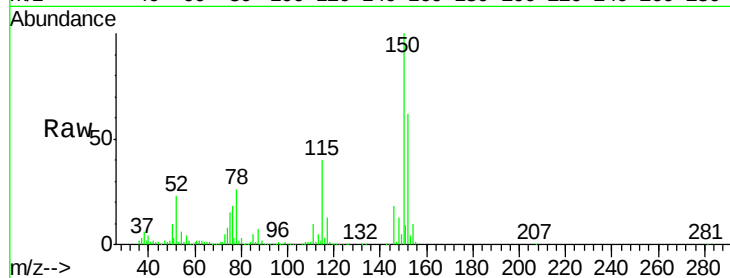
#67
 1,2-Dichlorobenzene
 Concen: 2.195 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.5	38.0	57.0
148	70.5	49.5	74.3

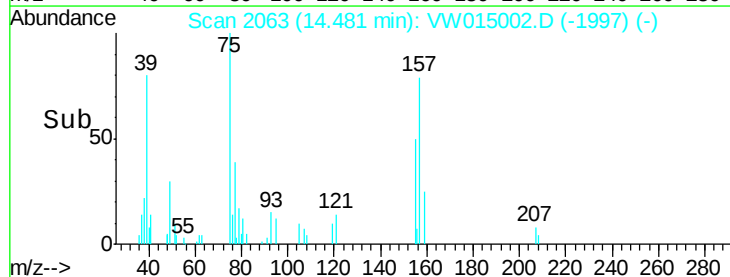
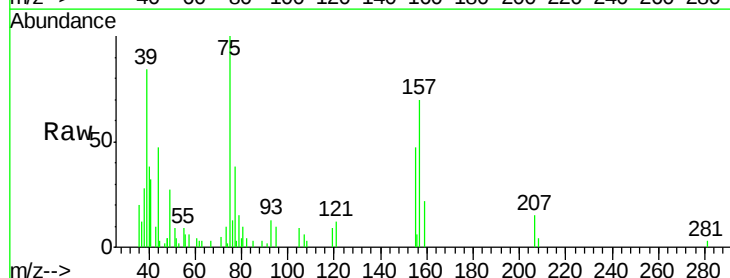
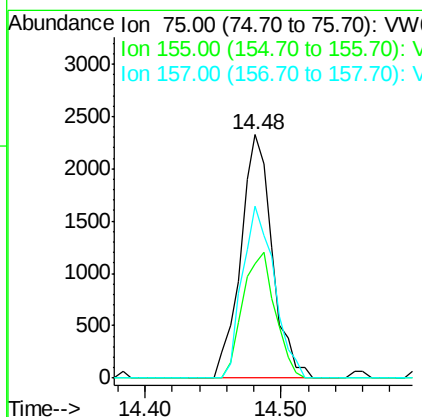
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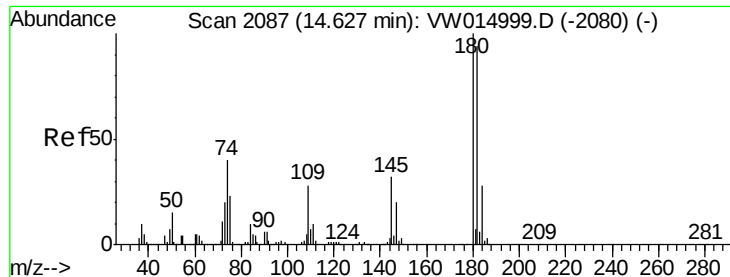
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.145 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	46.7	48.0	72.0#
157	70.5	59.4	89.0





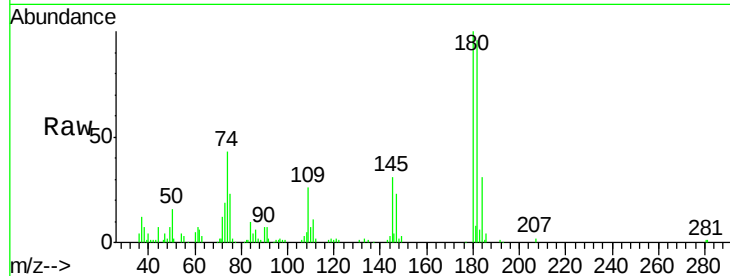
#69
 1,3,5-Trichlorobenzene
 Concen: 2.081 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25751		
182	96.4	76.5	114.7	
184	31.6	24.2	36.2	
145	33.3	25.0	37.6	

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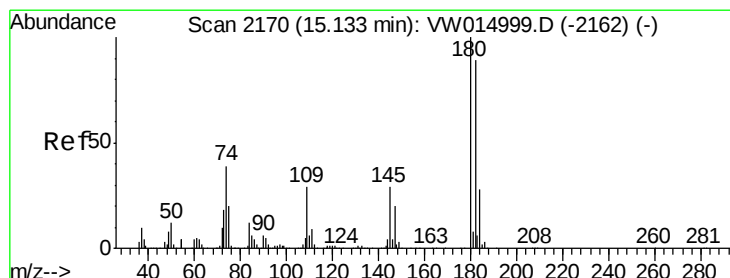
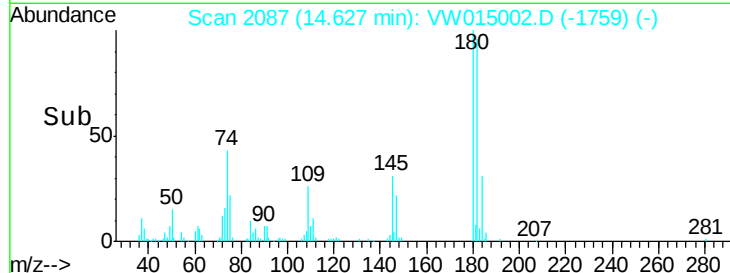
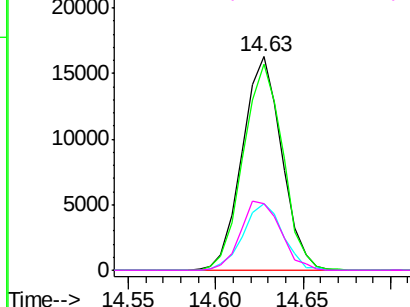


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

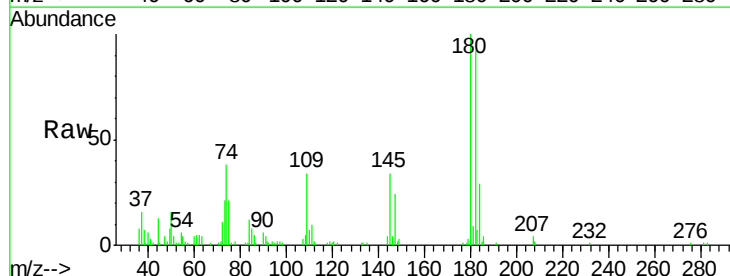
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 1.876 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW015002.D
 Acq: 17 Feb 2020 16:30

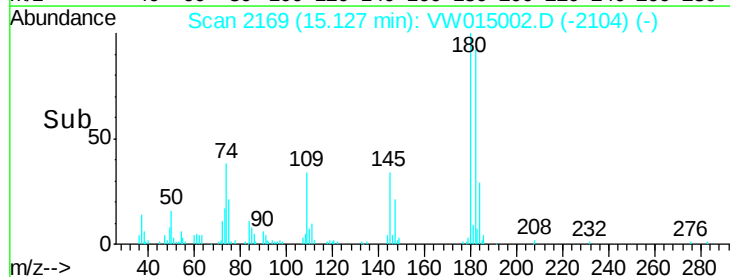
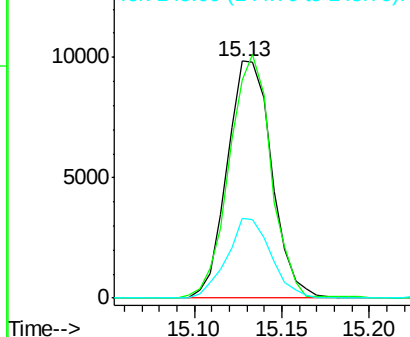
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17395		
182	96.1	76.2	114.4	
145	33.2	26.2	39.4	

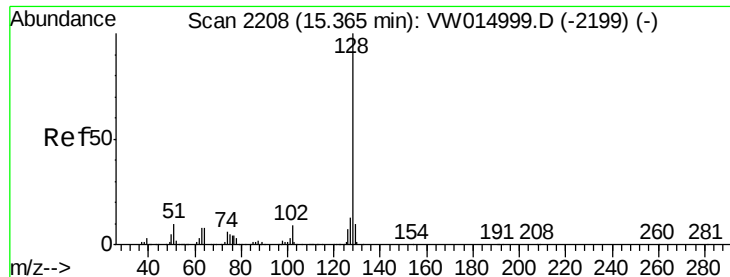


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





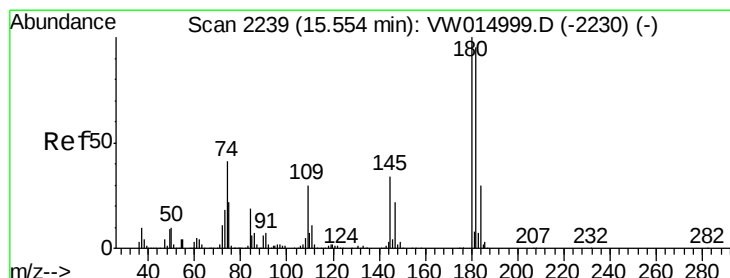
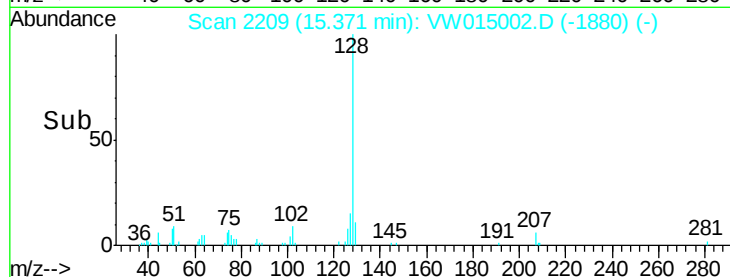
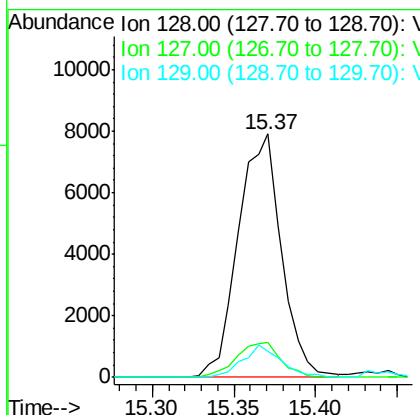
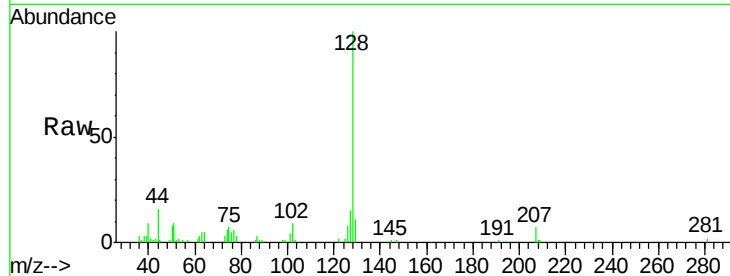
#71
Naphthalene
Concen: 1.532 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.5	15.7
129	11.8	8.6	12.8

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#72
1,2,3-Trichlorobenzene
Concen: 1.910 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015002.D
Acq: 17 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.2	112.8
145	34.9	27.0	40.6

