

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014992.D
 Acq On : 14 Feb 2020 12:52
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:18 PM

Quant Time: Feb 15 03:22:03 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Sat Feb 15 03:16:02 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	728878	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	680023	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	269214	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	369398	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
7) Chloroethane-d5	2.89	69	277992	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	4.02	63	497394	18.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.56%
21) 2-Butanone-d5	7.07	46	186880	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
24) Chloroform-d	7.65	84	579055	24.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	8.31	65	350914	25.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	8.27	84	1179226	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	9.27	67	404478	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.64%
41) Toluene-d8	10.32	98	992761	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.72%
43) trans-1,3-Dichloropropene-	10.58	79	144754	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.72%
47) 2-Hexanone-d5	10.92	63	130377	46.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.02%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	279927	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	269791	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	6562m	0.906	ug/L
3) Chloromethane	2.21	50	17093	1.255	ug/L
5) Vinyl chloride	2.36	62	22182m	1.265	ug/L
6) Bromomethane	2.78	94	8992	1.131	ug/L
8) Chloroethane	2.93	64	11432	1.219	ug/L
9) Trichlorofluoromethane	3.25	101	7258	1.048	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	17051m	1.505	ug/L
12) 1,1-Dichloroethene	4.04	96	15626	1.439	ug/L #
13) Acetone	4.12	43	13731	3.215	ug/L
14) Carbon disulfide	4.38	76	43843	1.116	ug/L
15) Methyl Acetate	4.68	43	8223m	1.110	ug/L
16) Methylene chloride	4.92	84	40660	3.019	ug/L
17) trans-1,2-Dichloroethene	5.43	96	12502m	1.141	ug/L
18) Methyl tert-butyl Ether	5.42	73	14959	1.106	ug/L #
19) 1,1-Dichloroethane	6.21	63	28186	1.151	ug/L
20) cis-1,2-Dichloroethene	7.17	96	12672	1.122	ug/L
22) 2-Butanone	7.18	43	15469m	3.013	ug/L

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Manual Integrations
 APPROVED

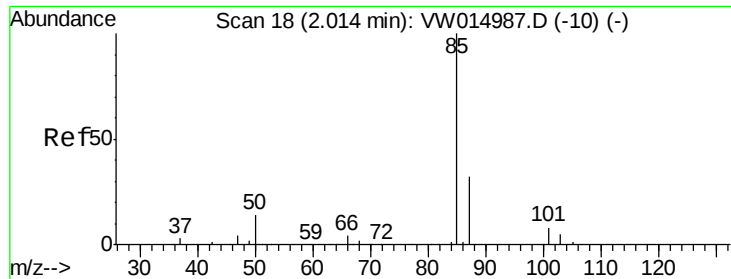
MMDadoda
 2/17/2020 3:46:18 PM

Quant Time: Feb 15 03:22:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.51	128	5562	1.214	ug/L	85
25) Chloroform	7.68	83	28517	1.307	ug/L	96
27) 1,2-Dichloroethane	8.40	62	20208	1.261	ug/L #	88
29) Cyclohexane	7.95	56	21615	0.975	ug/L	96
30) 1,1,1-Trichloroethane	7.87	97	19598	1.185	ug/L	97
31) Carbon tetrachloride	8.06	117	17647	1.184	ug/L	97
33) Benzene	8.32	78	59524	1.192	ug/L	100
34) Trichloroethene	9.09	95	14159	1.184	ug/L	97
35) Methylcyclohexane	9.33	83	21598	1.047	ug/L	98
37) 1,2-Dichloropropane	9.37	63	16202	1.162	ug/L	100
38) Bromodichloromethane	9.64	83	17667	1.125	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	19737	1.058	ug/L	90
40) 4-Methyl-2-pentanone	10.21	43	20451	2.060	ug/L	96
42) Toluene	10.39	91	59189	1.227	ug/L	100
44) trans-1,3-Dichloropropene	10.60	75	16620m	1.074	ug/L	
45) 1,1,2-Trichloroethane	10.78	97	10136	1.198	ug/L	91
46) Tetrachloroethene	10.87	164	9298	1.197	ug/L	80
48) 2-Hexanone	10.97	43	16391	2.266	ug/L	99
49) Dibromochloromethane	11.13	129	9874	1.120	ug/L	90
50) 1,2-Dibromoethane	11.23	107	8530	1.119	ug/L #	99
51) Chlorobenzene	11.66	112	33675	1.183	ug/L	95
52) Ethylbenzene	11.73	91	54272	1.033	ug/L	97
53) m,p-Xylene	11.84	106	17721	0.961	ug/L	95
54) o-Xylene	12.16	106	15129	0.874	ug/L	96
55) Styrene	12.18	104	24942	0.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	13420	1.186	ug/L #	93
59) Bromoform	12.35	173	4602	1.118	ug/L	95
60) Isopropylbenzene	12.46	105	40120	0.952	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	9751	1.236	ug/L #	92
62) 1,3,5-Trimethylbenzene	12.94	105	30902	0.920	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	29835	0.908	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	19419	1.118	ug/L	98
65) 1,4-Dichlorobenzene	13.57	146	22408	1.251	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	20597	1.281	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.49	75	2233	1.353	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.63	180	13221	1.136	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	8364	0.958	ug/L	98
71) Naphthalene	15.36	128	6326	0.706	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.56	180	8049	0.995	ug/L	95

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



#2

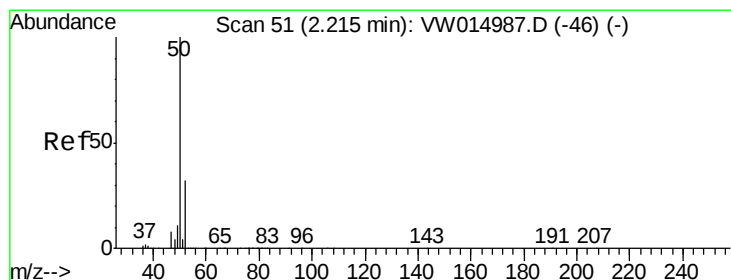
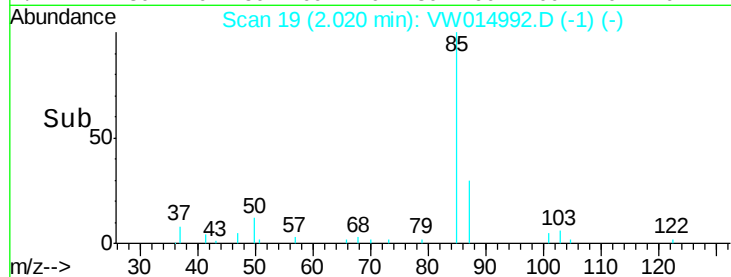
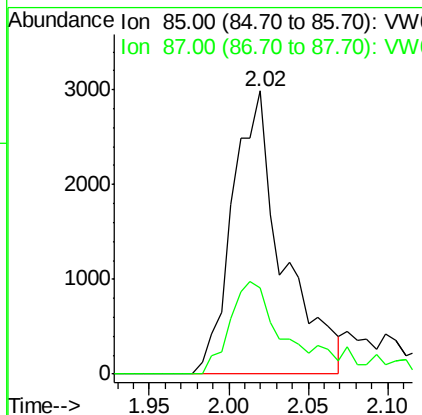
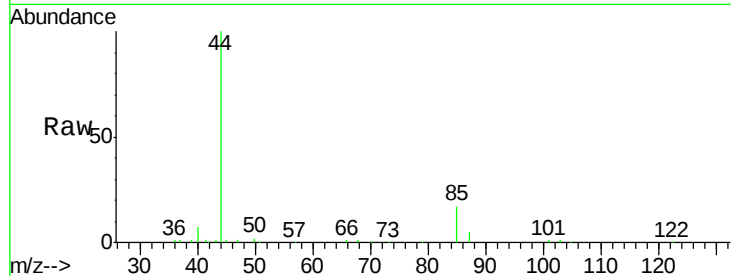
Dichlorodifluoromethane
Concen: 0.906 ug/L m
RT: 2.02 min Scan# 19
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
85	100		
87	31.2	21.5	32.3

Manual Integrations
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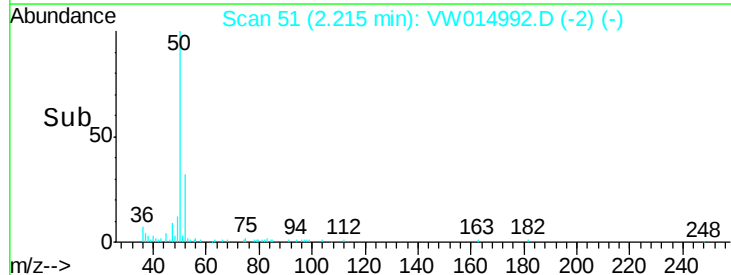
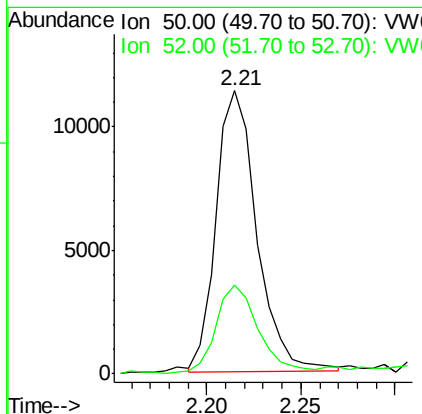
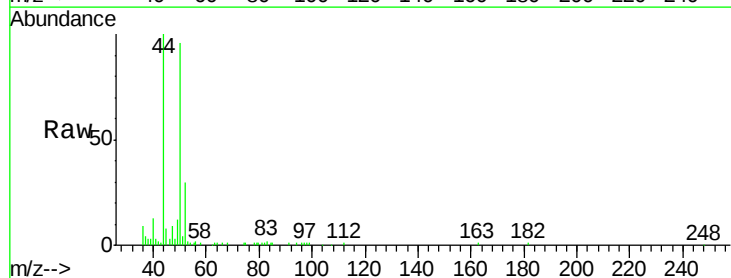
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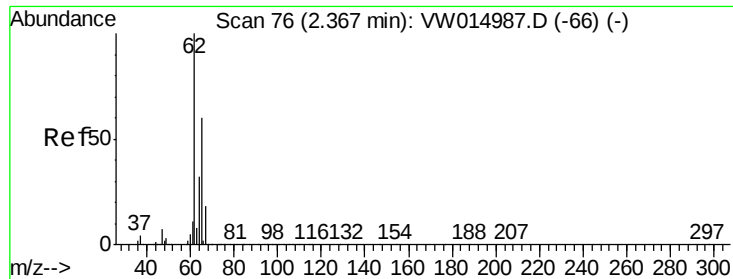


#3

Chloromethane
Concen: 1.255 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.5	22.3	41.3





#5

Vinyl chloride

Concen: 1.265 ug/L m

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tot Ion: 62 Resp: 22182

Ion Ratio Lower Upper

62 100

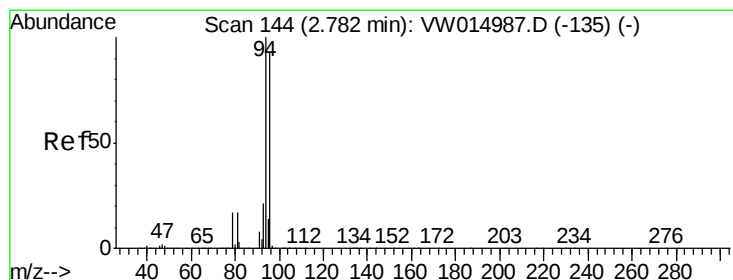
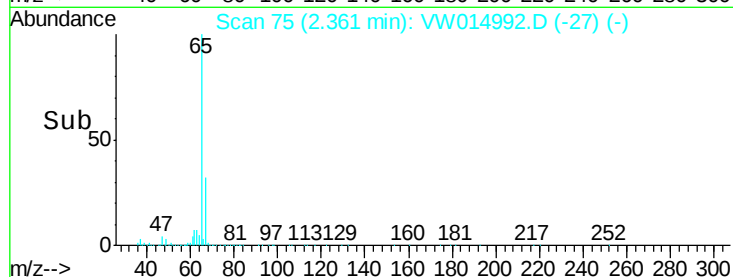
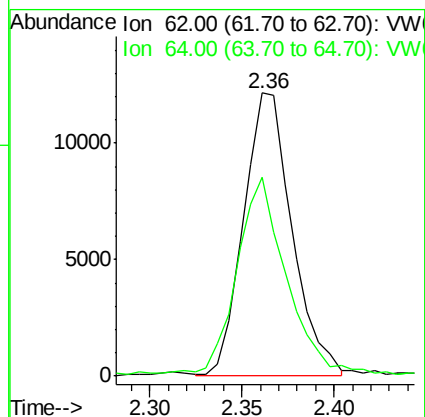
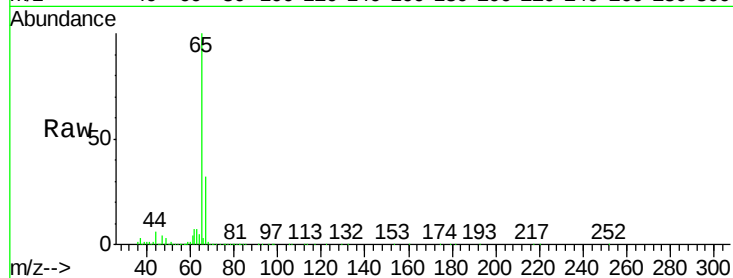
64 70.4 23.6 43.8#

Manual Integrations

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#6

Bromomethane

Concen: 1.131 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014992.D

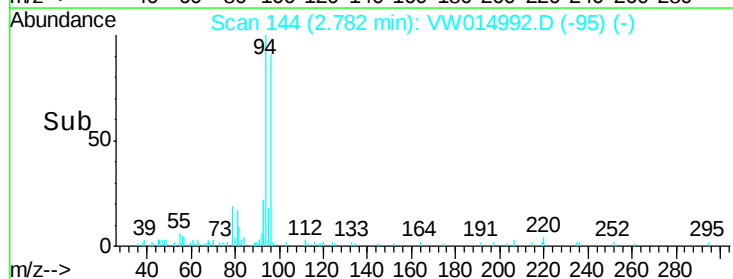
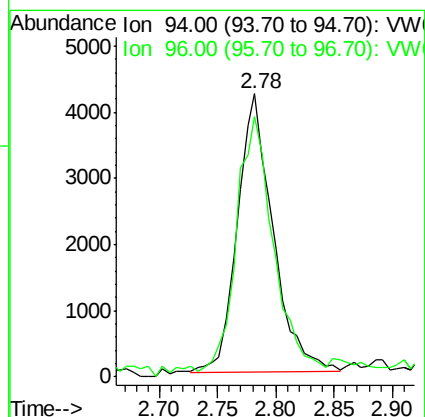
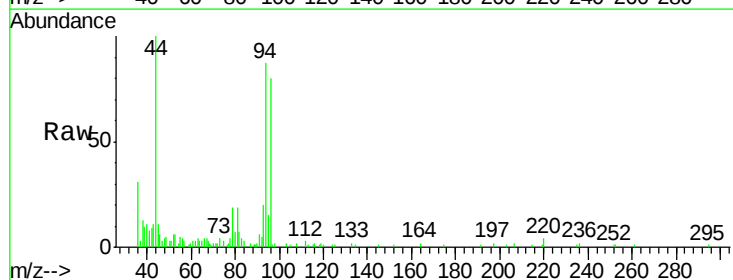
Acq: 14 Feb 2020 12:52

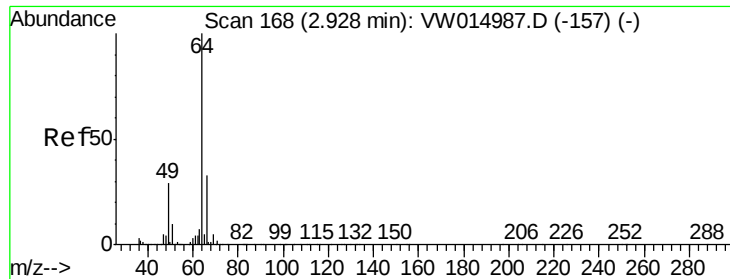
Tgt Ion: 94 Resp: 8992

Ion Ratio Lower Upper

94 100

96 91.8 65.8 122.2





#8

Chloroethane

Concen: 1.219 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 11432

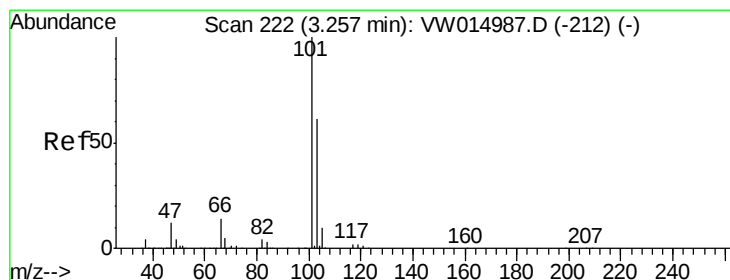
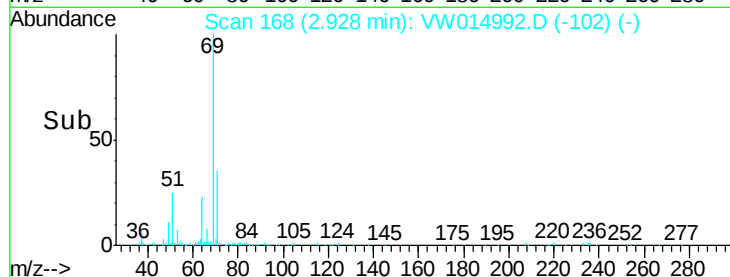
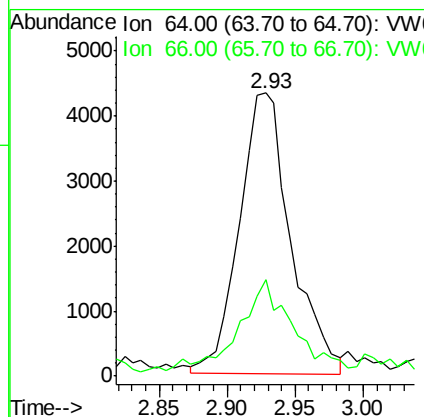
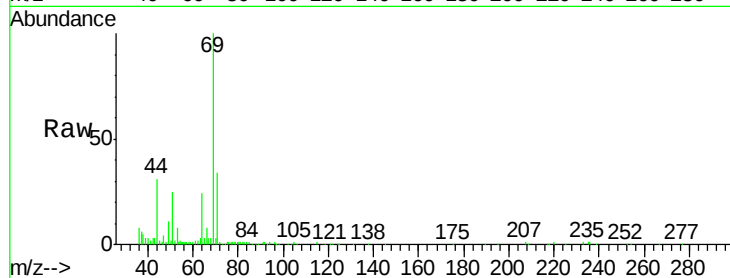
Ion Ratio Lower Upper

64 100

66 33.9 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 1.048 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014992.D

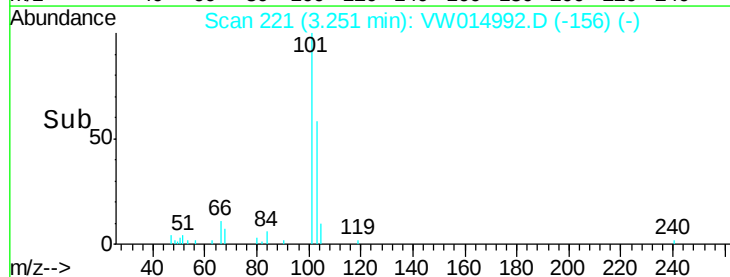
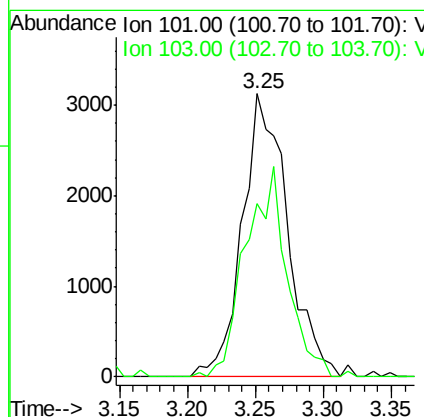
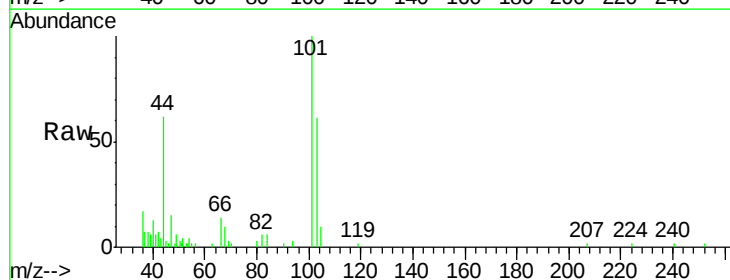
Acq: 14 Feb 2020 12:52

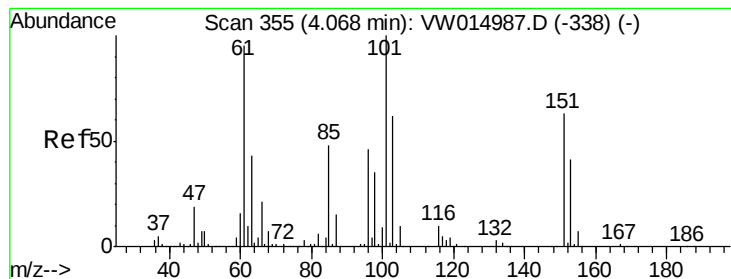
Tgt Ion: 101 Resp: 7258

Ion Ratio Lower Upper

101 100

103 68.1 51.5 77.3





#10

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

Concen: 1.505 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

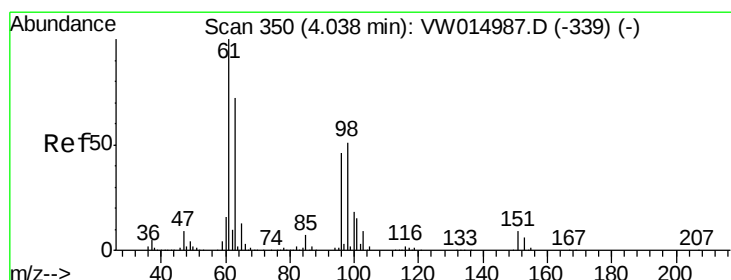
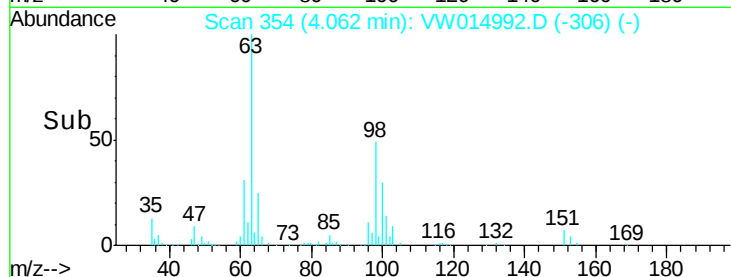
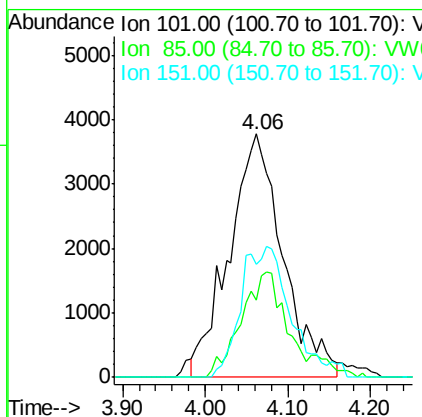
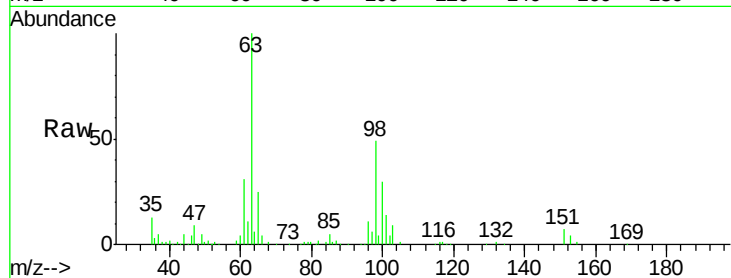
ClientSampled :

MDL05

Tot Ion:	101	Resp:	17051
Ion Ratio	Lower	Upper	
101	100		
85	13.2	36.5	54.7#
151	18.4	50.2	75.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.439 ug/L

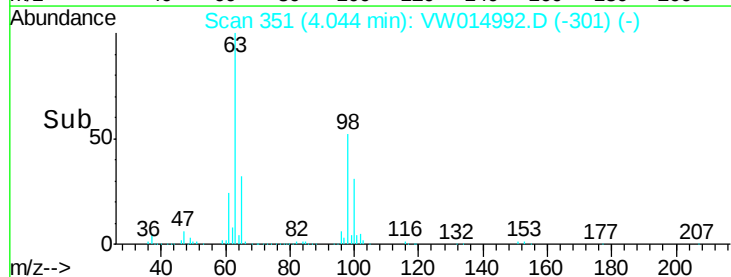
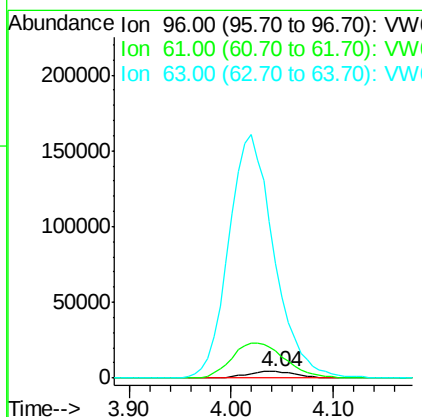
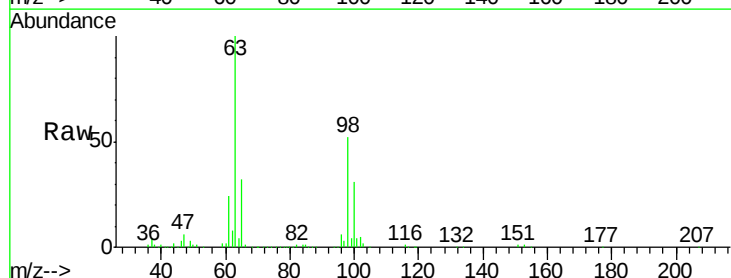
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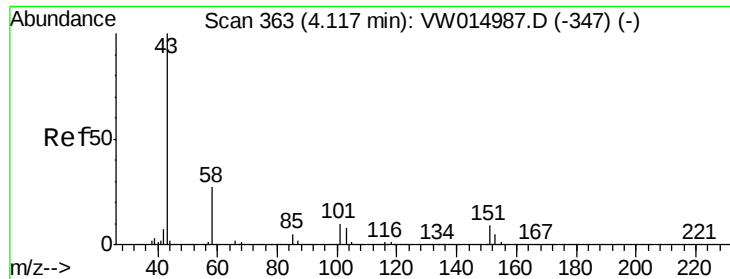
Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion:	96	Resp:	15626
Ion Ratio	Lower	Upper	
96	100		
61	404.4	147.0	273.0#
63	1683.4	113.4	210.6#





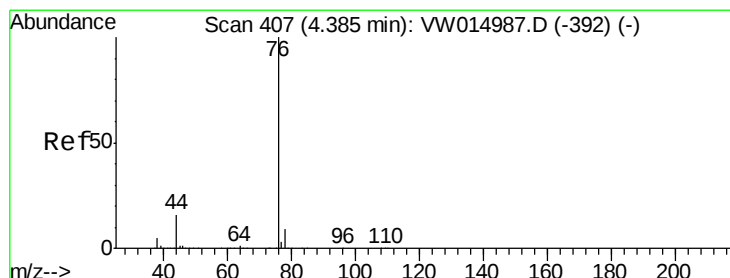
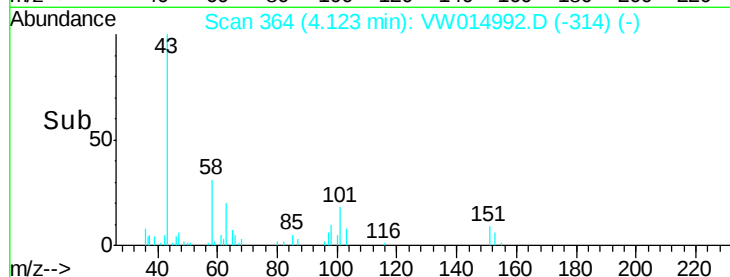
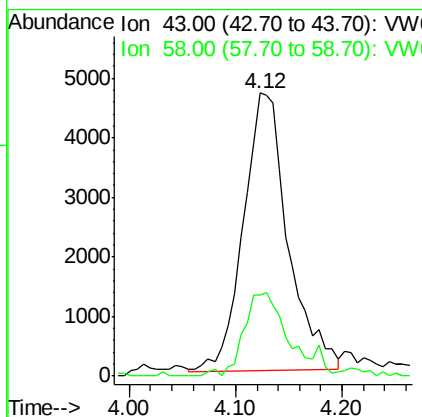
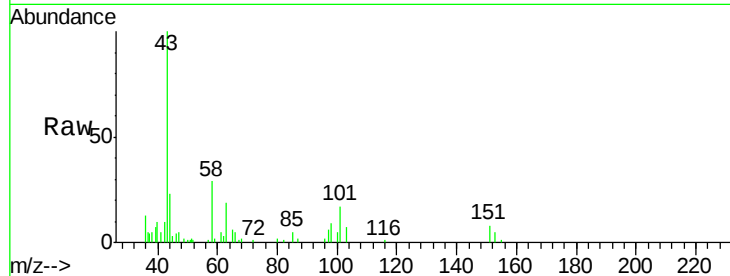
#13
Acetone
Concen: 3.215 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	28.0	0.0	54.6

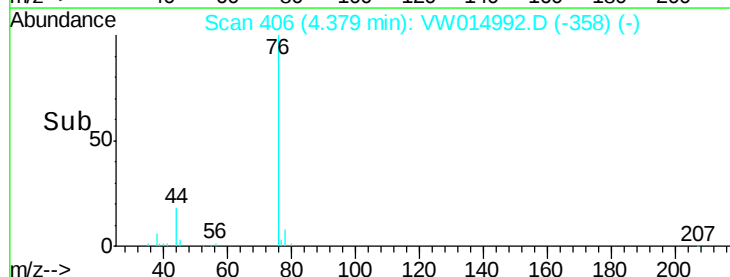
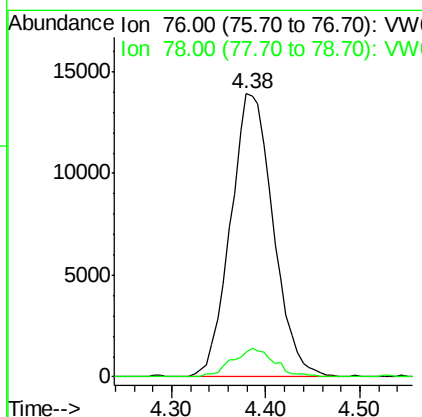
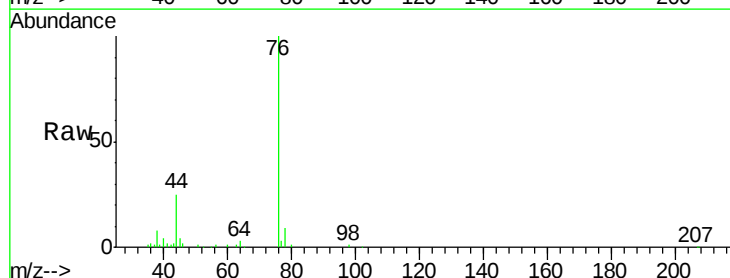
Manual Integrations
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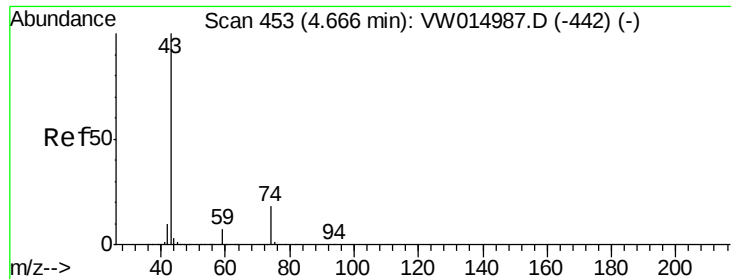
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2/17/2020 3:46:18 PM



#14
Carbon disulfide
Concen: 1.116 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8





#15

Methyl Acetate

Concen: 1.110 ug/L m

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tot Ion: 43 Resp: 8223

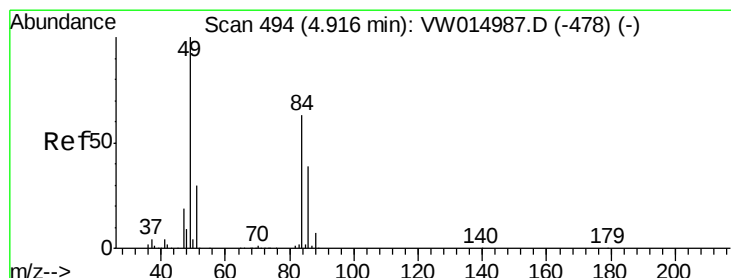
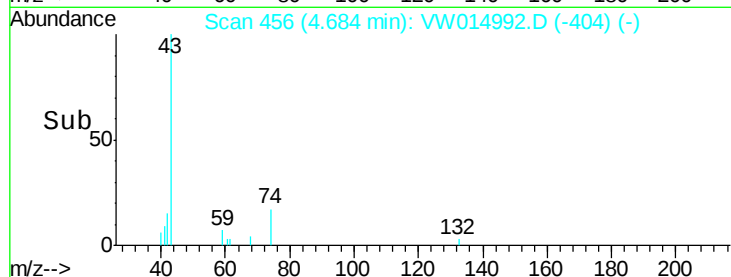
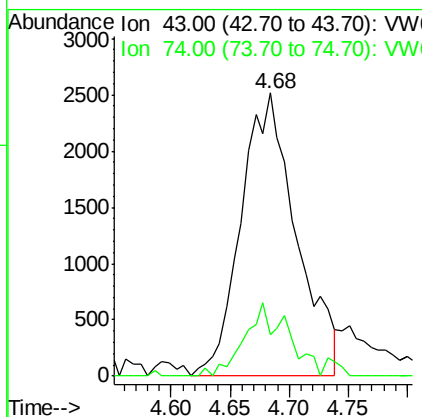
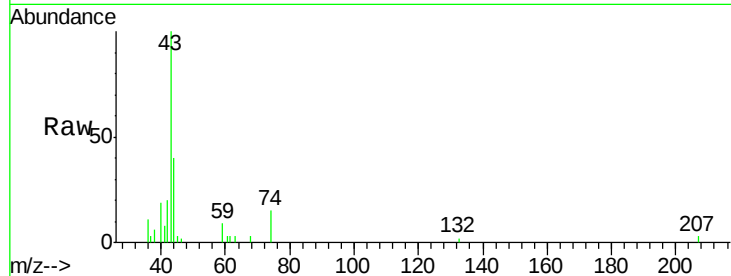
Ion Ratio Lower Upper

43 100

74 0.7 14.6 21.8#

Manual Integrations
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#16

Methylene chloride

Concen: 3.019 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

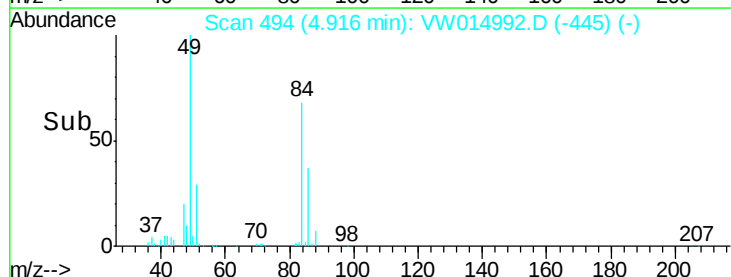
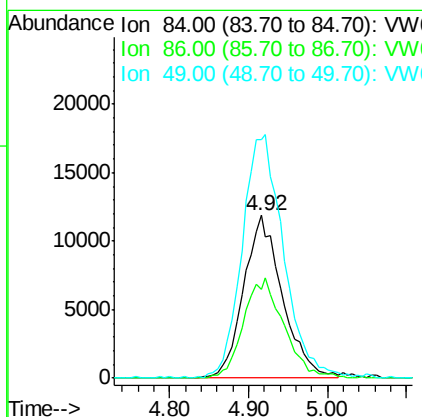
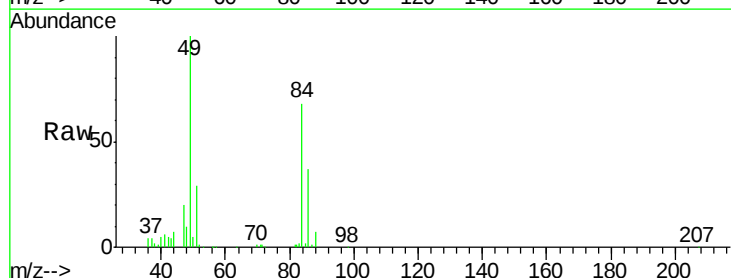
Tgt Ion: 84 Resp: 40660

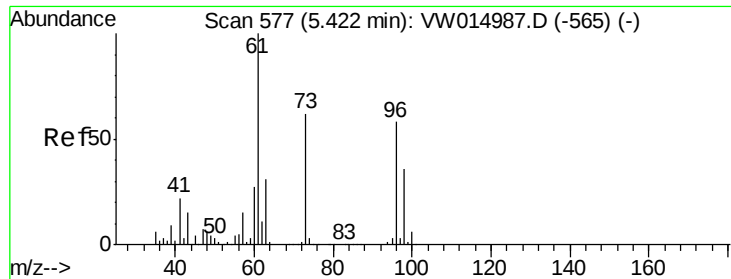
Ion Ratio Lower Upper

84 100

86 54.5 44.4 82.4

49 146.7 109.0 202.4





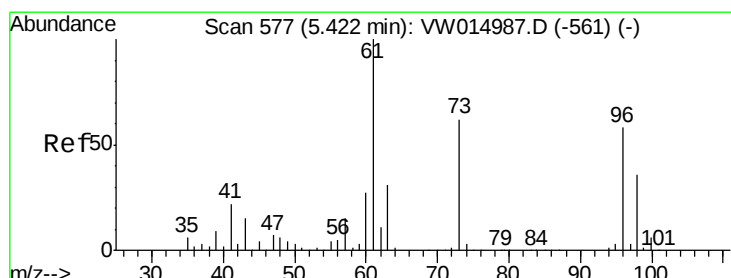
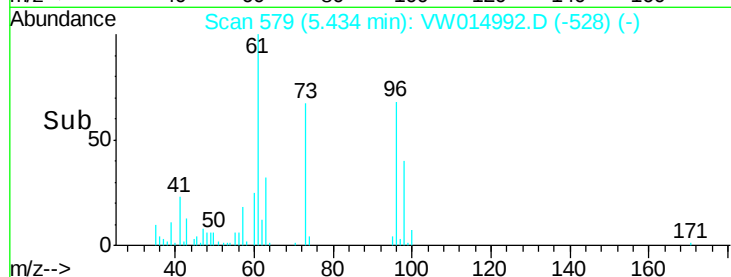
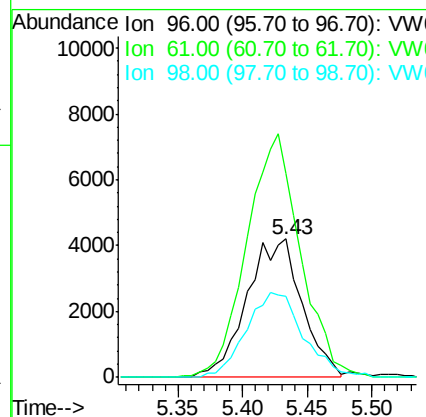
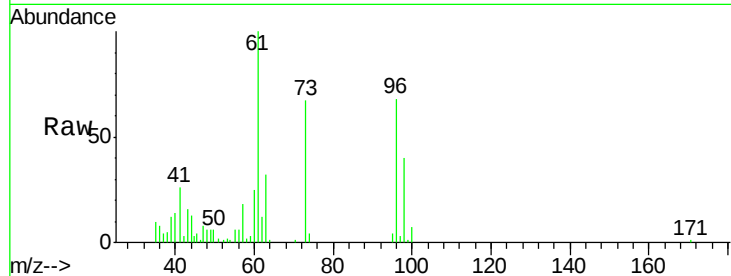
#17
trans-1,2-Dichloroethene
Concen: 1.141 ug/L m
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	120.1	223.1
98	58.1	43.8	81.3

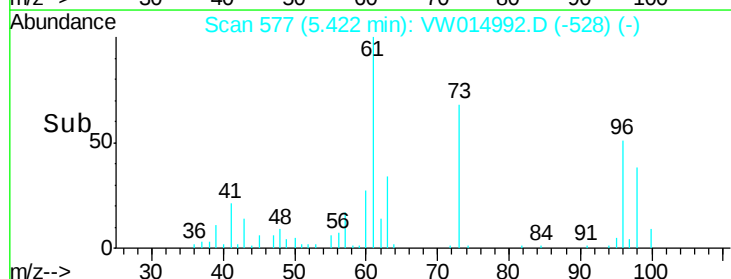
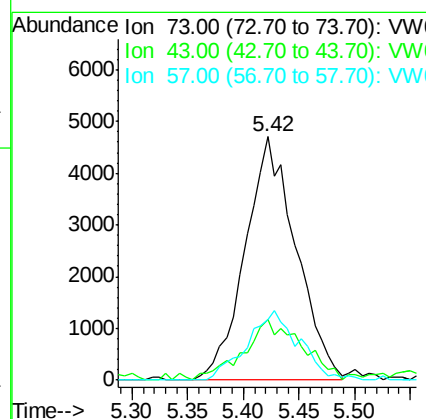
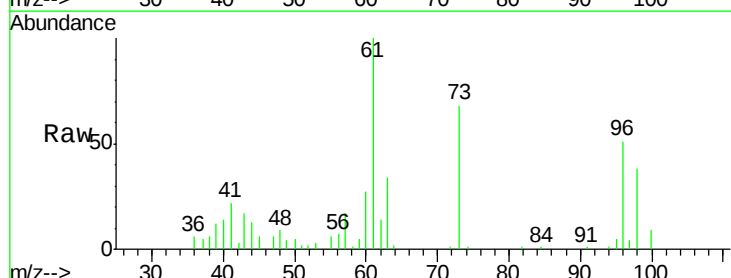
Manual Integrations
APPROVED

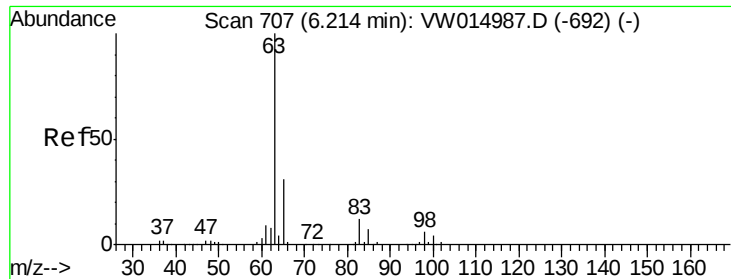
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 1.106 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	7.9	19.6	29.4#
57	23.3	21.0	31.4





#19

1,1-Dichloroethane

Concen: 1.151 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

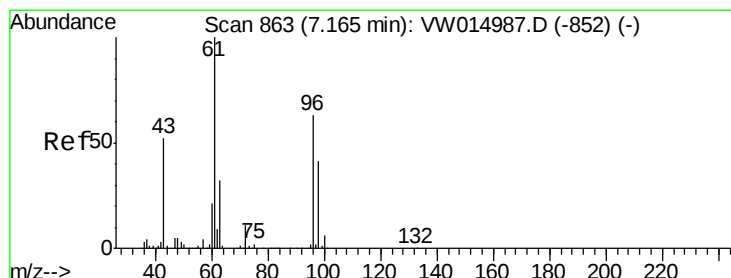
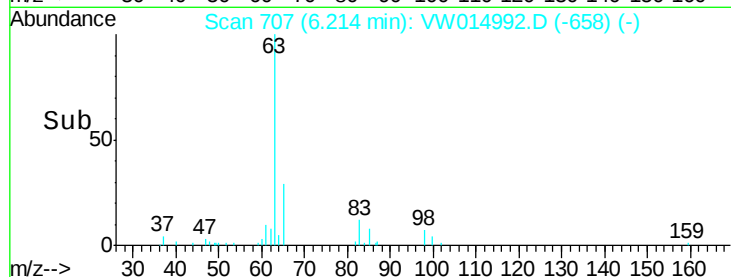
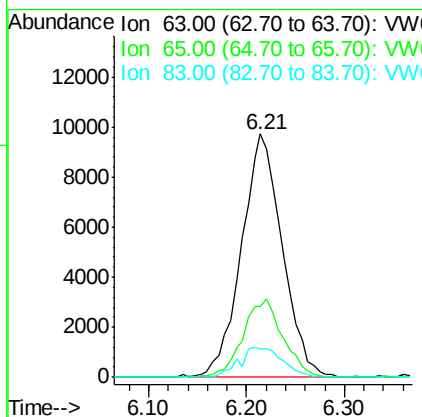
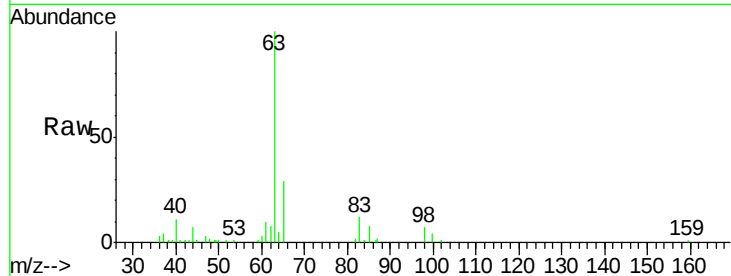
ClientSampleId :

MDL05

Tot Ion:	63	Resp:	28186
Ion	Ratio	Lower	Upper
63	100		
65	29.3	20.9	38.7
83	12.0	7.8	14.6

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 1.122 ug/L

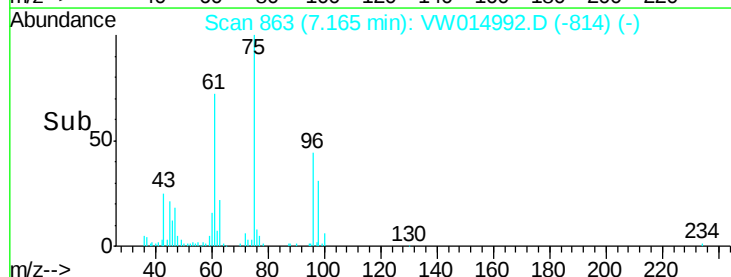
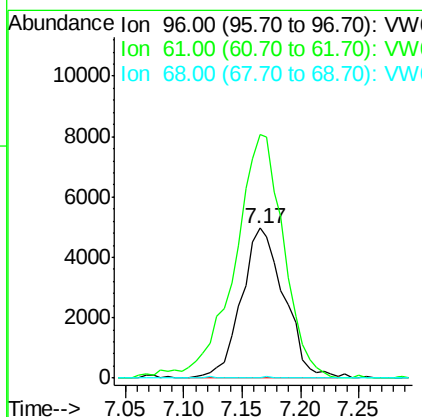
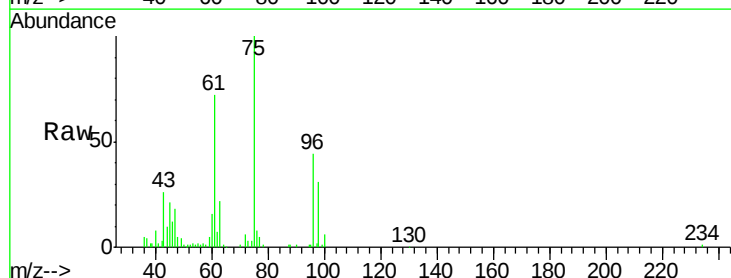
RT: 7.17 min Scan# 863

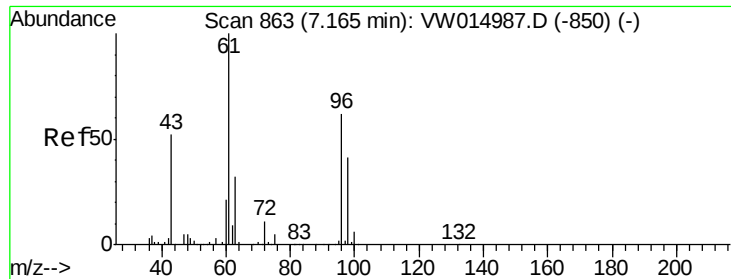
Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion:	96	Resp:	12672
Ion	Ratio	Lower	Upper
96	100		
61	162.8	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.013 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 15469

Ion Ratio Lower Upper

43 100

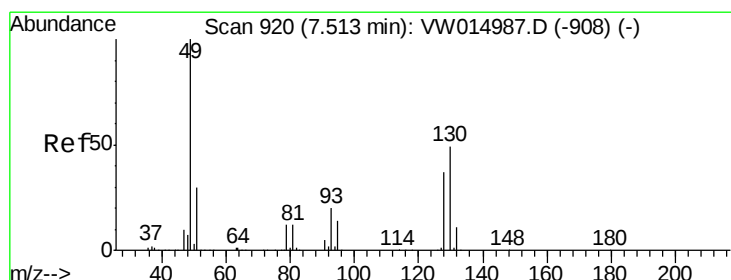
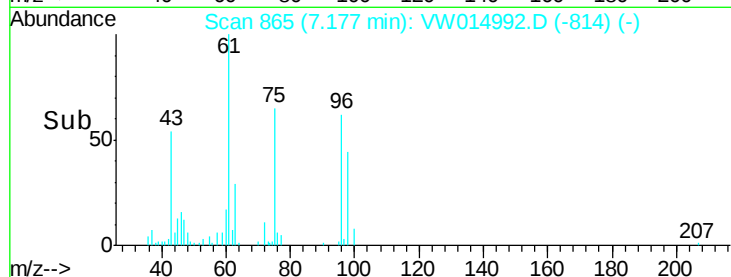
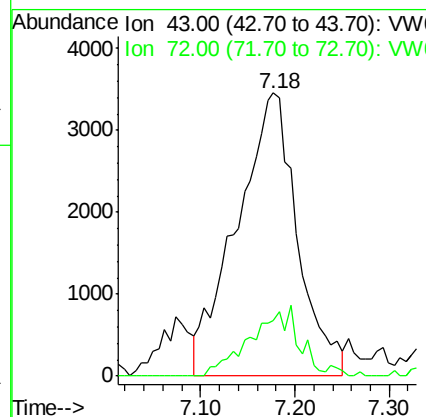
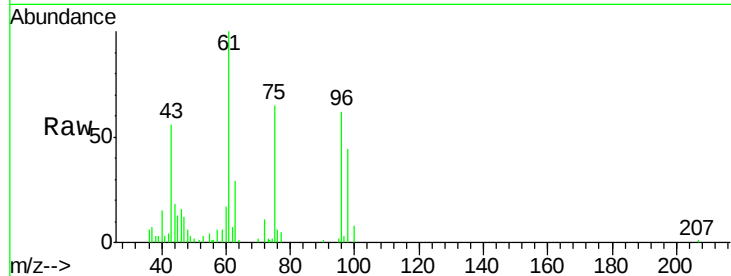
72 2.7 11.1 33.1#

Manual Integrations

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#23

Bromochloromethane

Concen: 1.214 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion: 128 Resp: 5562

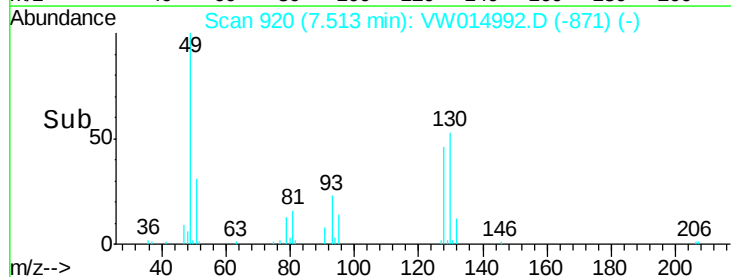
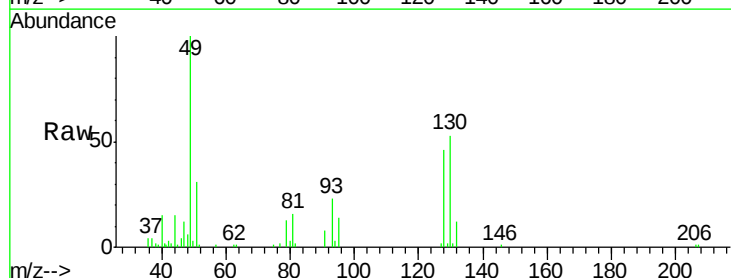
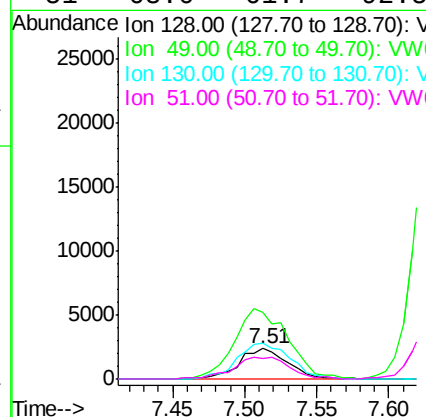
Ion Ratio Lower Upper

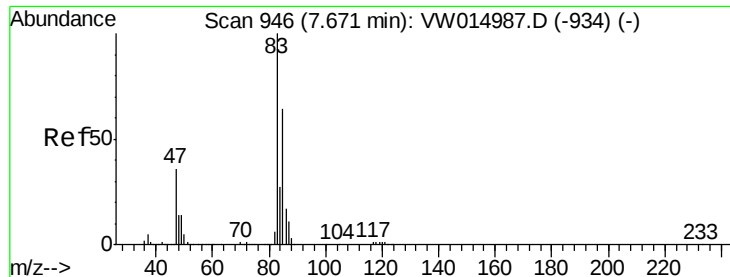
128 100

49 218.2 179.0 332.4

130 116.7 85.5 158.7

51 68.0 61.7 92.5





#25

Chloroform

Concen: 1.307 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 83 Resp: 28517

Ion Ratio Lower Upper

83 100

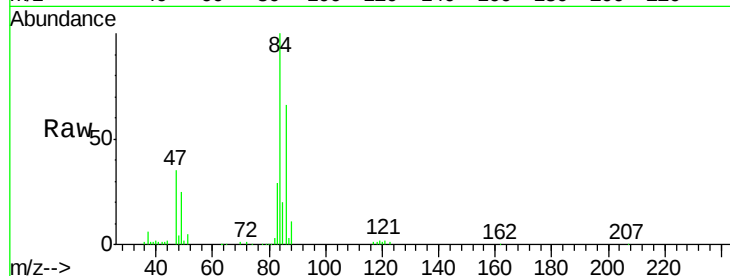
85 67.4 45.1 83.7

Manual Integrations

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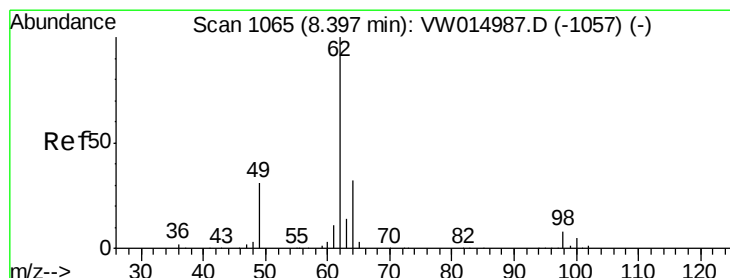
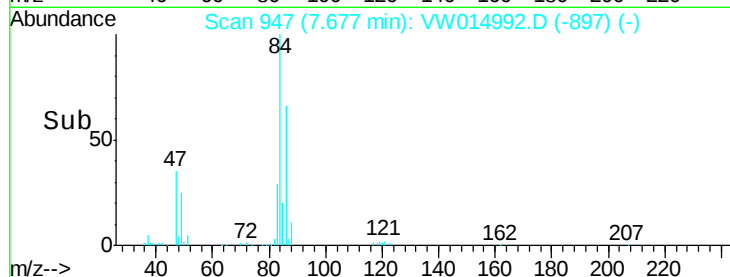
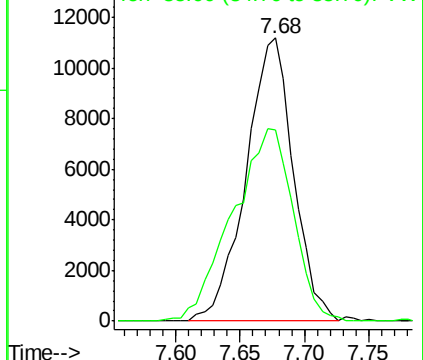
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 1.261 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014992.D

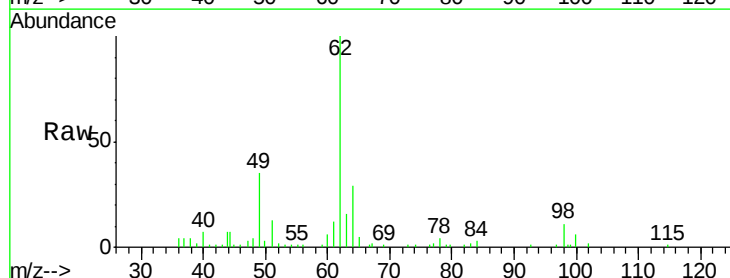
Acq: 14 Feb 2020 12:52

Tgt Ion: 62 Resp: 20208

Ion Ratio Lower Upper

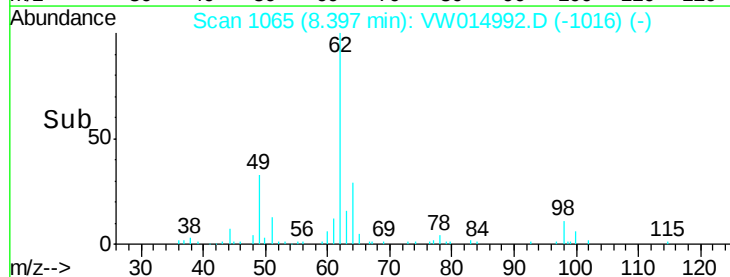
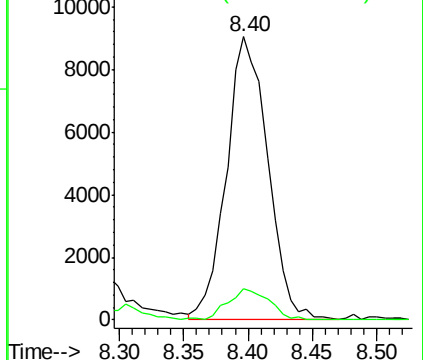
62 100

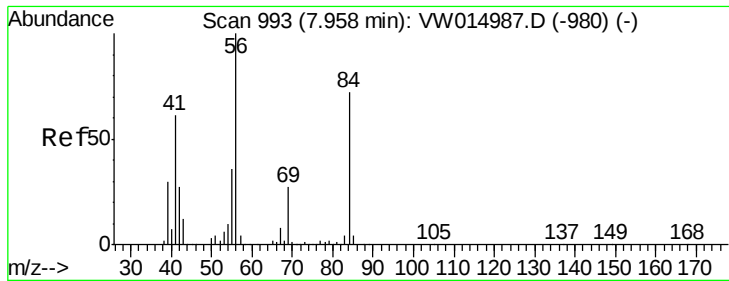
98 12.1 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





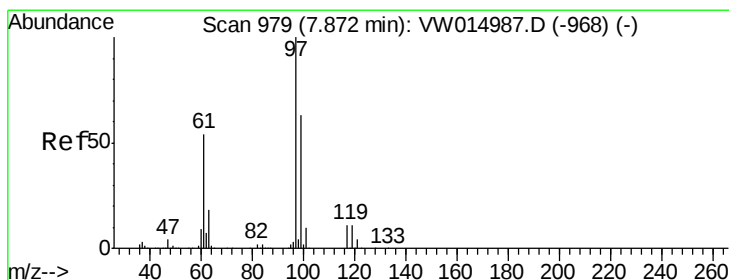
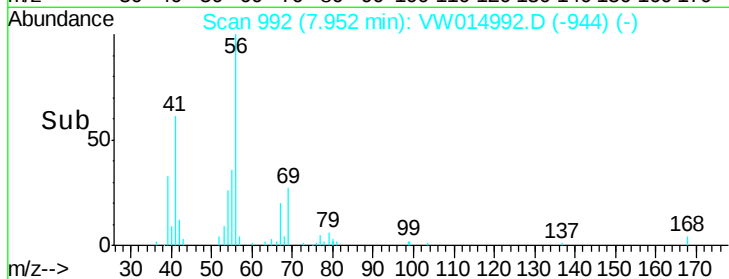
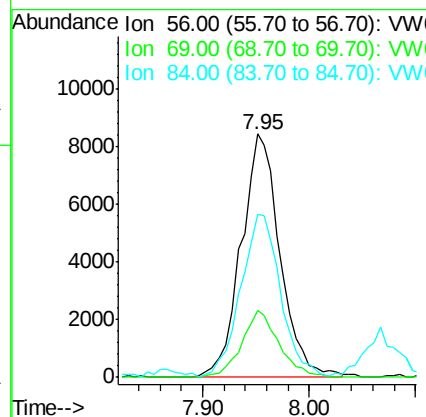
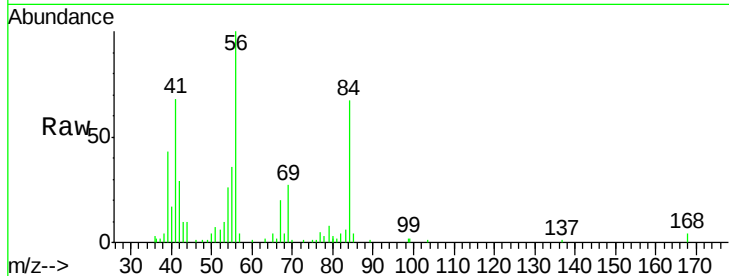
#29
Cvclohexane
Concen: 0.975 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	22.0	33.0
84	68.7	57.8	86.6

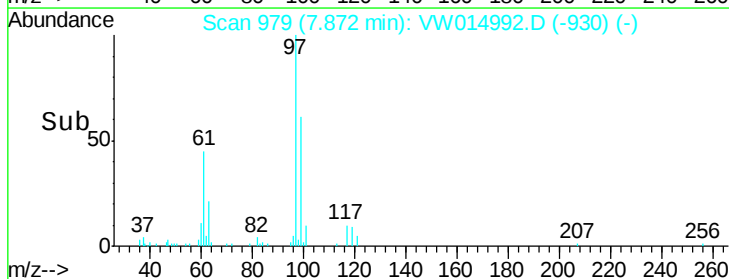
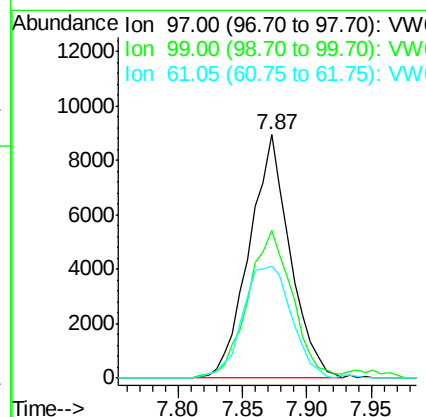
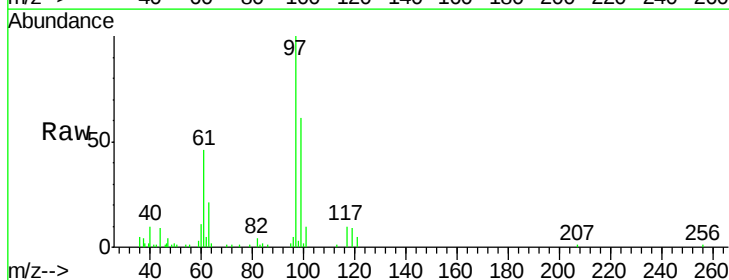
Manual Integrations
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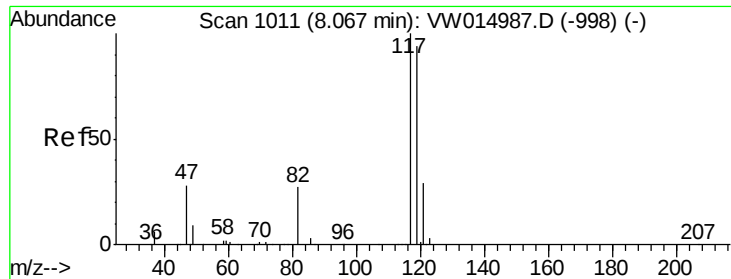
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.185 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	50.6	75.8
61	55.1	42.7	64.1





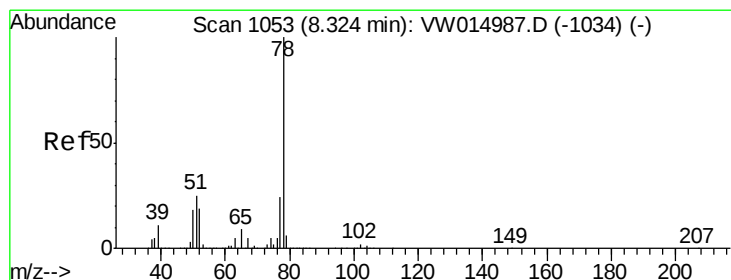
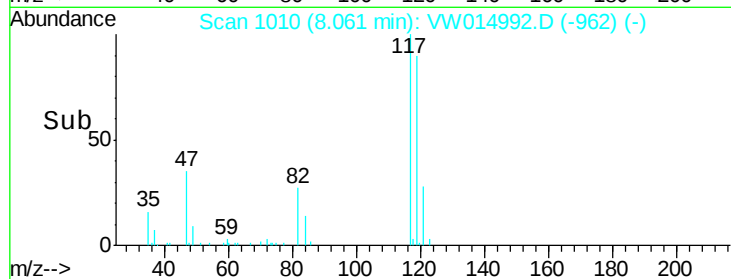
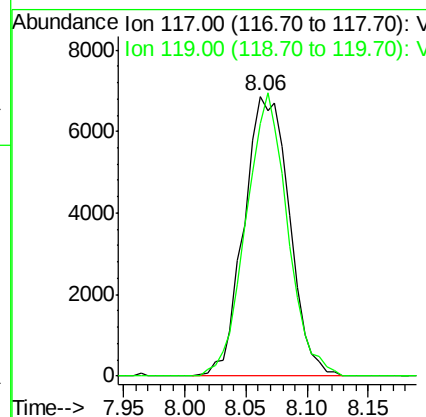
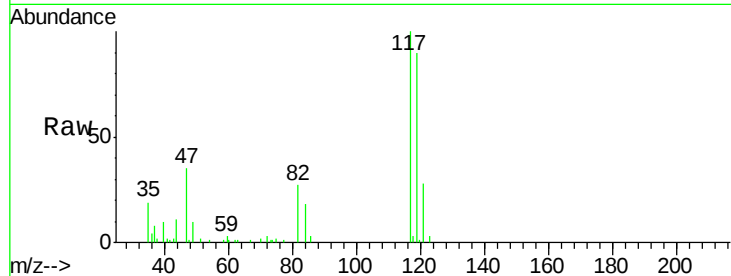
#31
Carbon tetrachloride
Concen: 1.184 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion:117 Resp: 17647
Ion Ratio Lower Upper
117 100
119 92.9 76.6 114.8

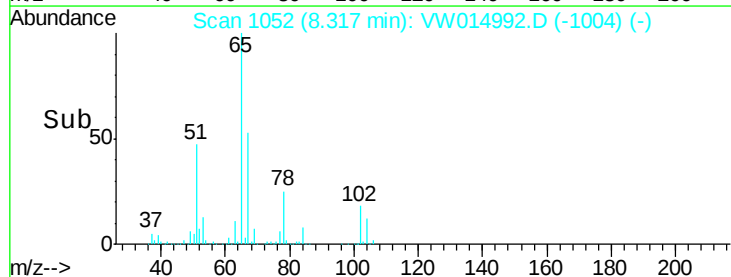
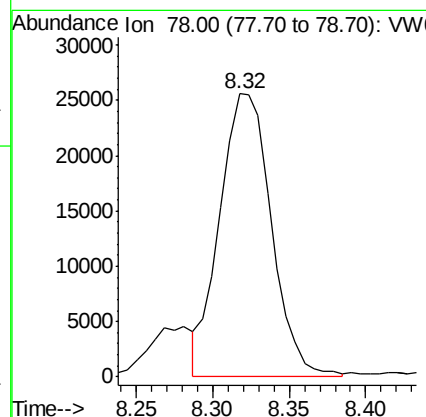
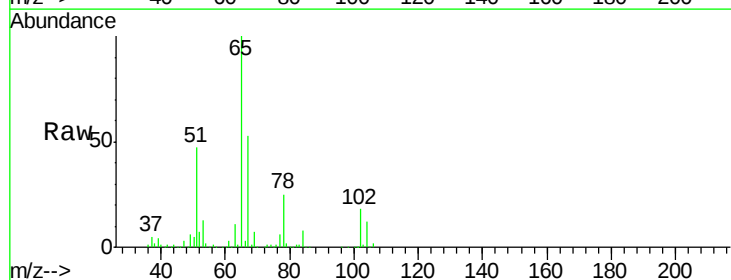
Manual Integrations
APPROVED

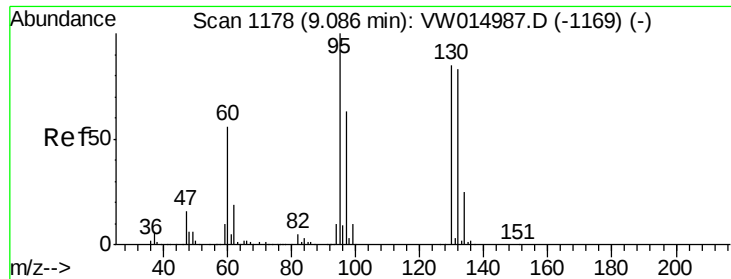
MMDadoda
2/17/2020 3:46:18 PM



#33
Benzene
Concen: 1.192 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion: 78 Resp: 59524





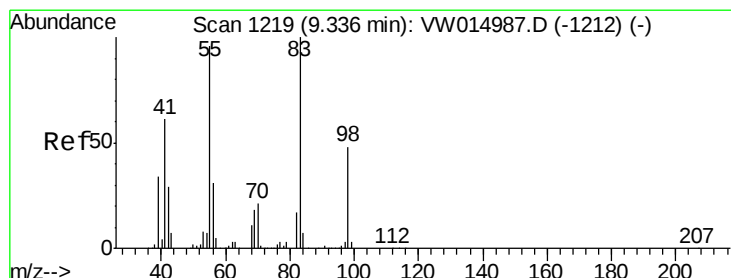
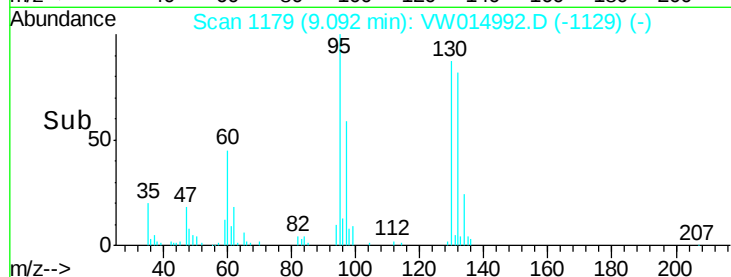
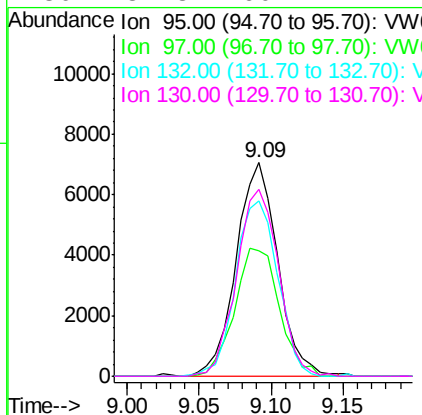
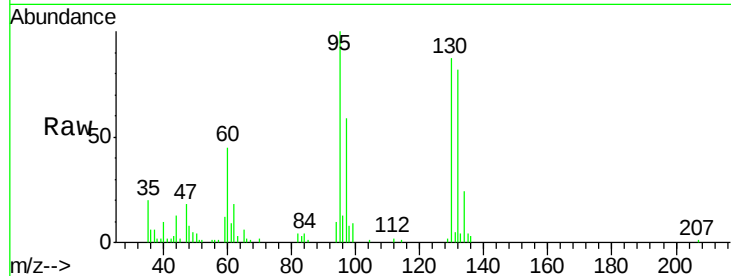
#34
 Trichloroethene
 Concen: 1.184 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion	95	Resp	14159
Ion	Ratio	Lower	Upper
95	100		
97	58.8	44.2	82.0
132	82.3	56.1	104.3
130	87.3	60.1	111.7

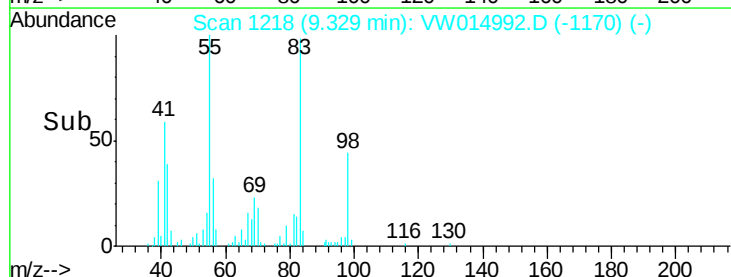
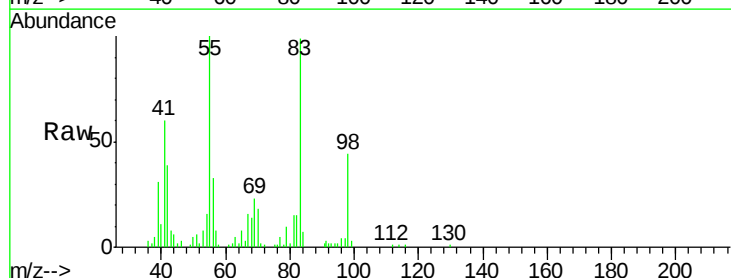
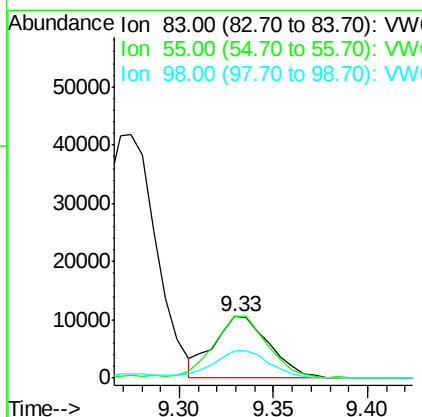
Manual Integrations
 APPROVED

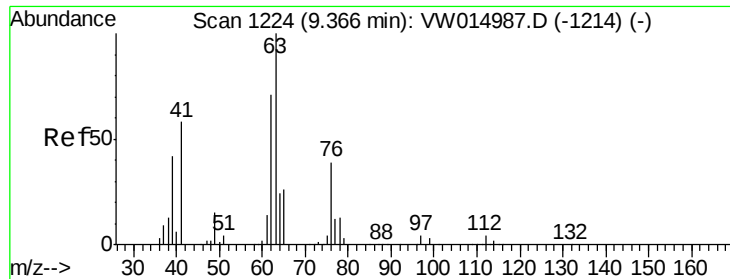
MMDadoda
 2/17/2020 3:46:18 PM



#35
 Methylcyclohexane
 Concen: 1.047 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion	83	Resp	21598
Ion	Ratio	Lower	Upper
83	100		
55	98.6	76.3	114.5
98	45.1	36.4	54.6





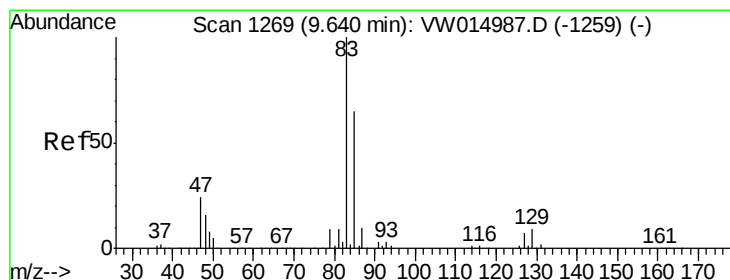
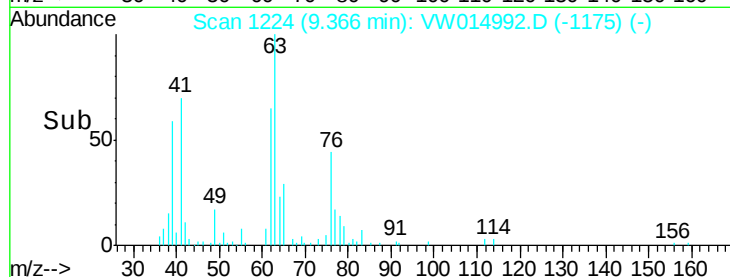
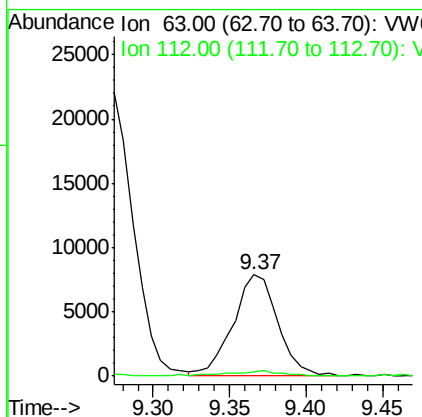
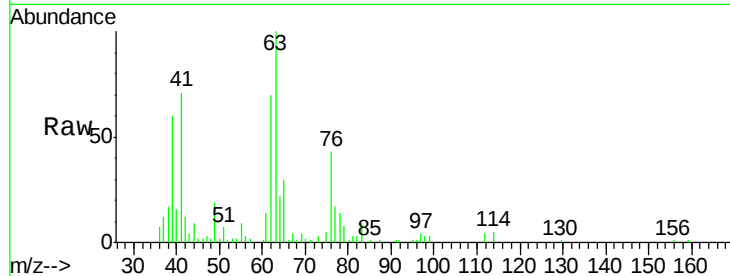
#37
 1,2-Dichloropropane
 Concen: 1.162 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 16202
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0

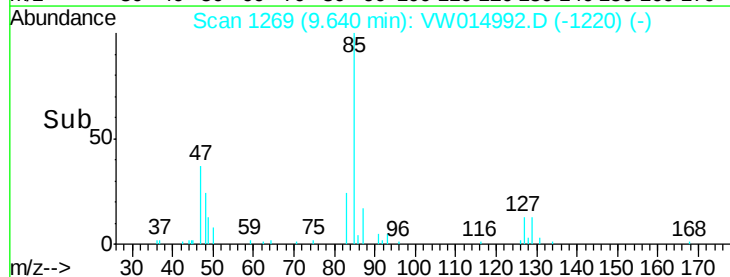
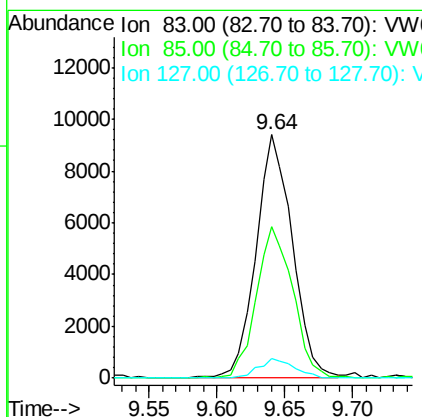
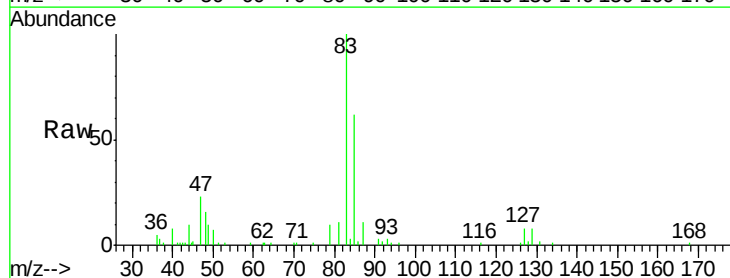
Manual Integrations
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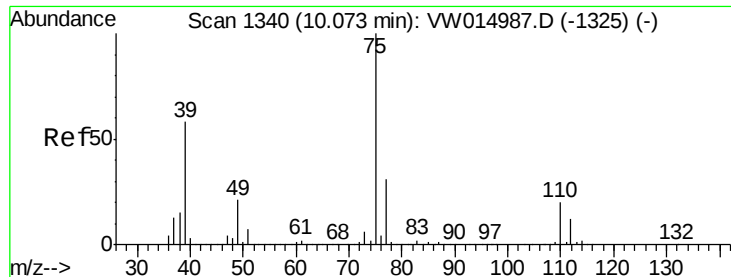
MMDadoda
 2/17/2020 3:46:18 PM



#38
 Bromodichloromethane
 Concen: 1.125 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 83 Resp: 17667
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.2 84.0
 127 8.0 5.5 8.3





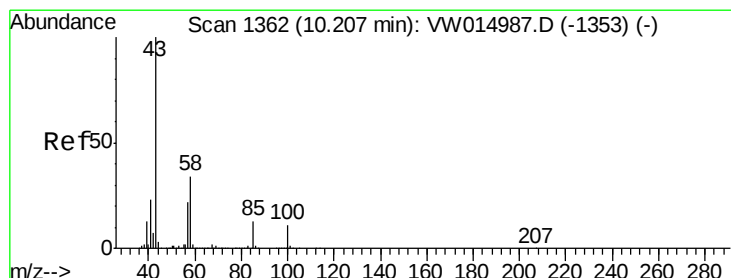
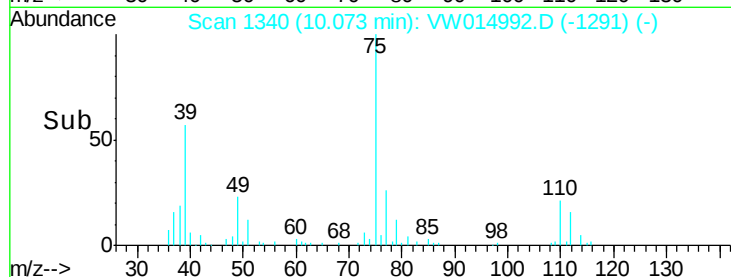
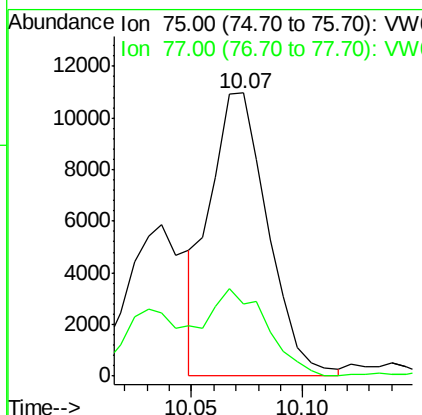
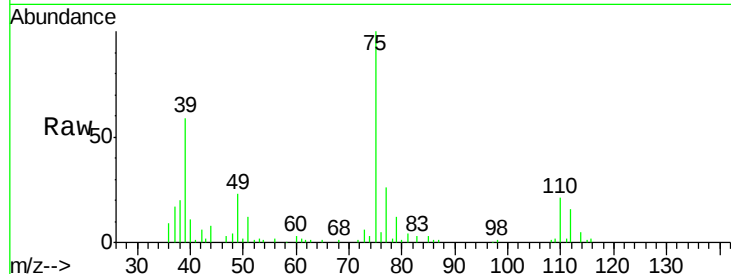
#39
 cis-1,3-Dichloropropene
 Concen: 1.058 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 19737
 Ion Ratio Lower Upper
 75 100
 77 25.6 21.6 40.2

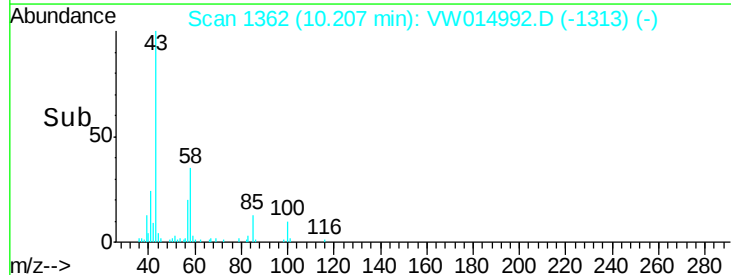
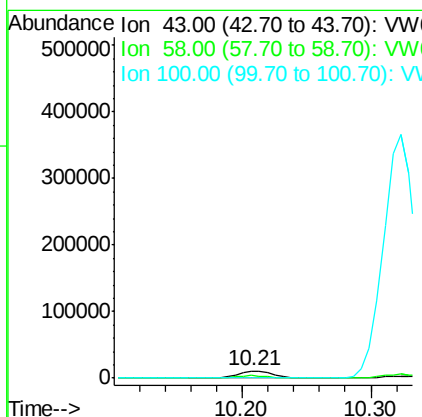
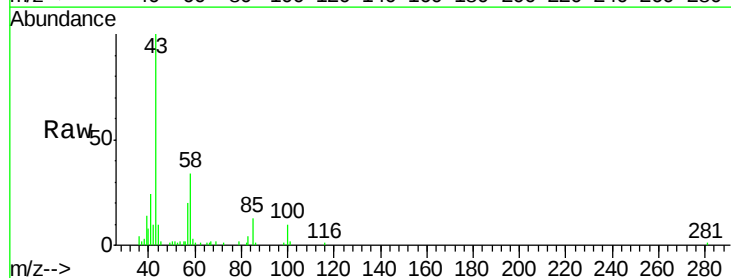
Manual Integrations
 APPROVED

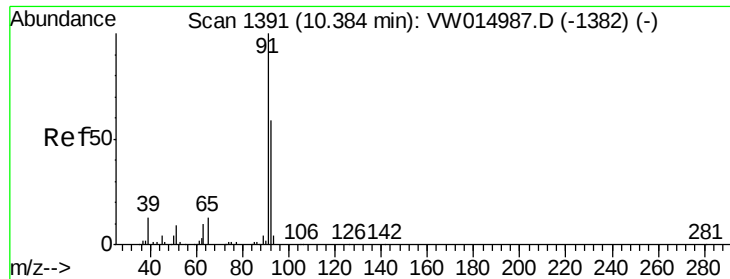
MMDadoda
 2/17/2020 3:46:18 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.060 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion: 43 Resp: 20451
 Ion Ratio Lower Upper
 43 100
 58 31.7 27.7 41.5
 100 11.1 8.6 13.0





#42

Toluene

Concen: 1.227 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

MDL05

Tot Ion: 91 Resp: 59189

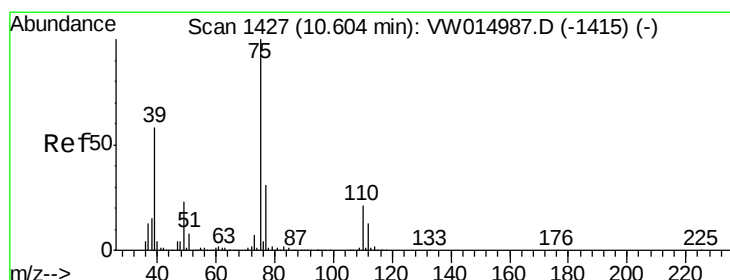
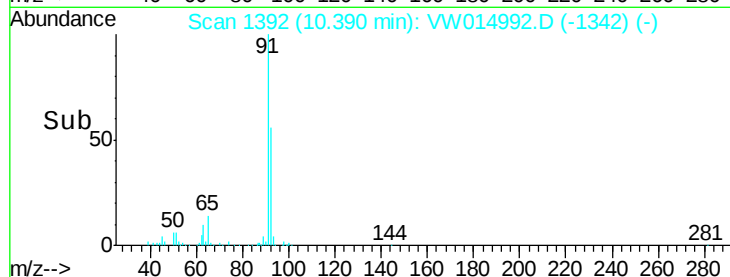
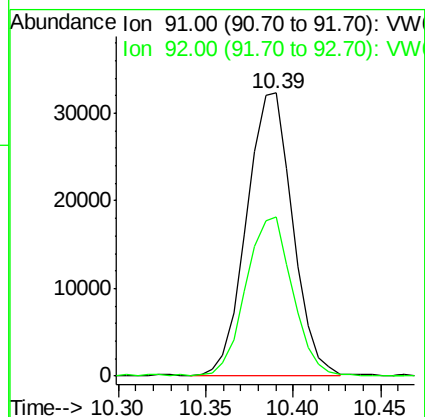
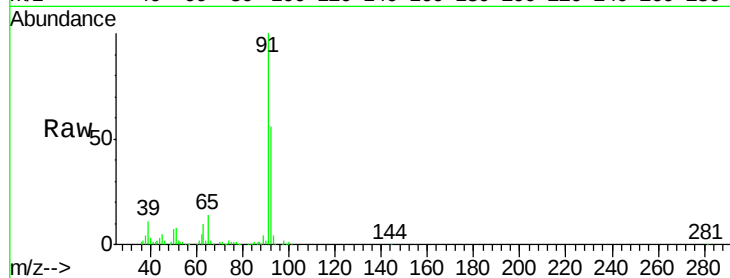
Ion Ratio Lower Upper

91 100

92 56.2 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
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#44

trans-1,3-Dichloropropene

Concen: 1.074 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014992.D

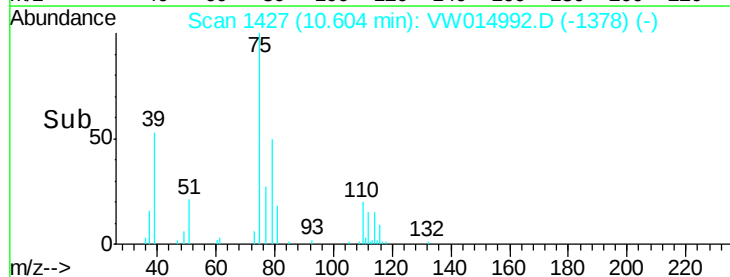
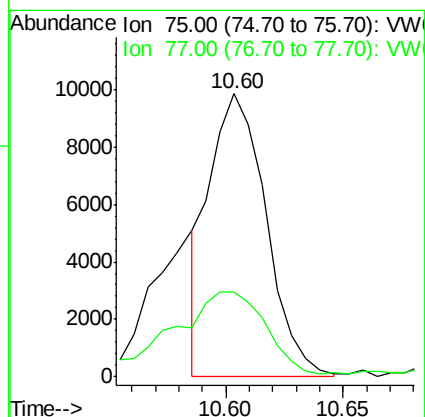
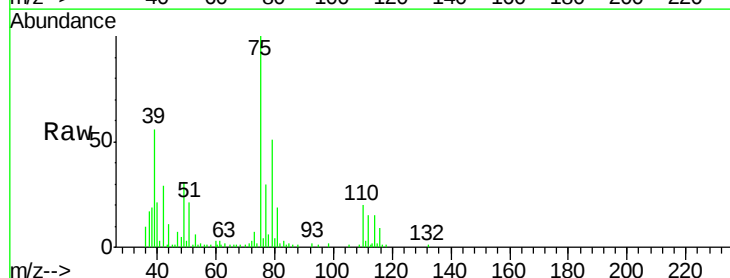
Acq: 14 Feb 2020 12:52

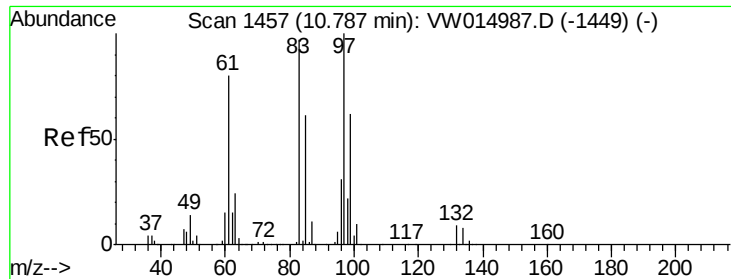
Tgt Ion: 75 Resp: 16620

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1





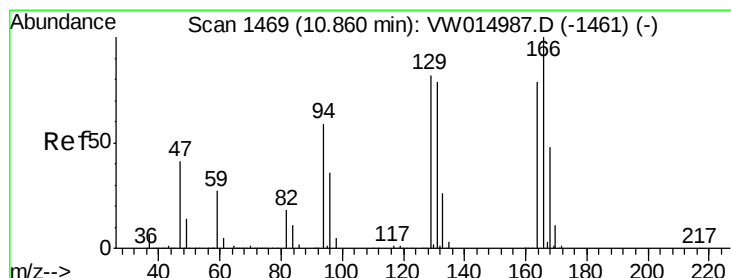
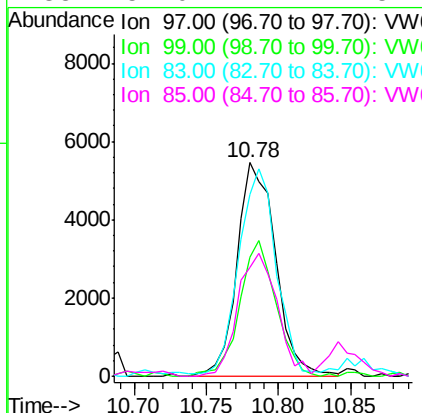
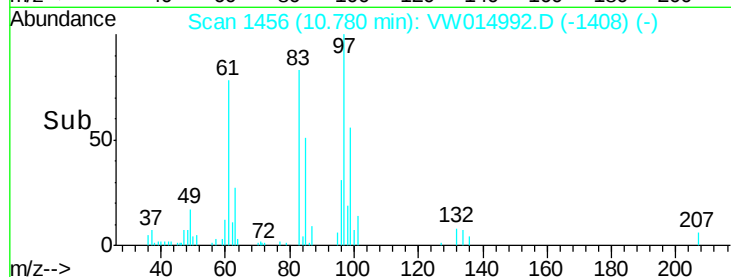
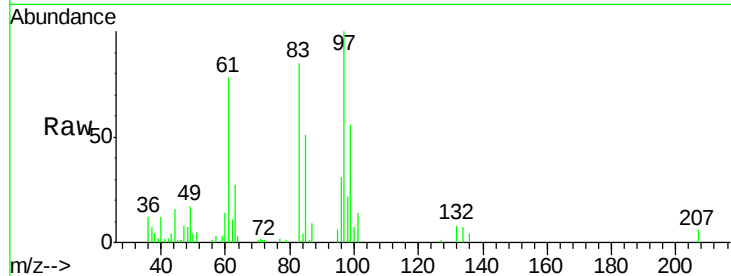
#45
1,1,2-Trichloroethane
Concen: 1.198 ug/L
RT: 10.78 min Scan# 1456
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		10136		
99	56.0	44.2	82.0		
83	85.4	64.1	119.1		
85	51.0	42.1	78.1		

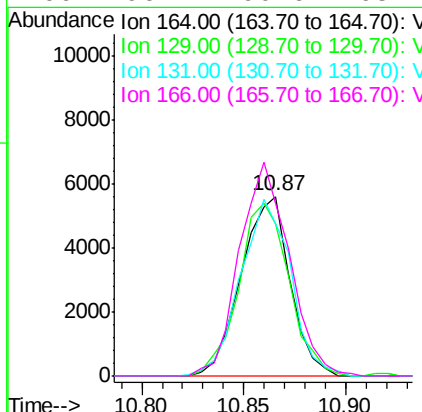
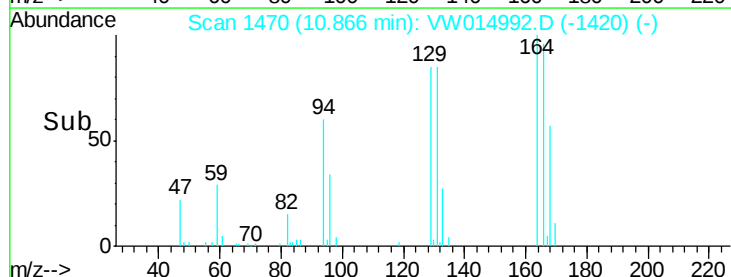
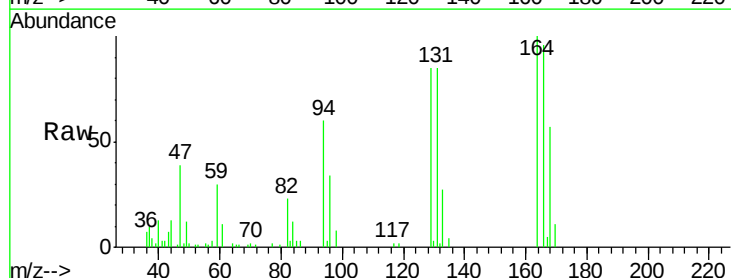
Manual Integrations
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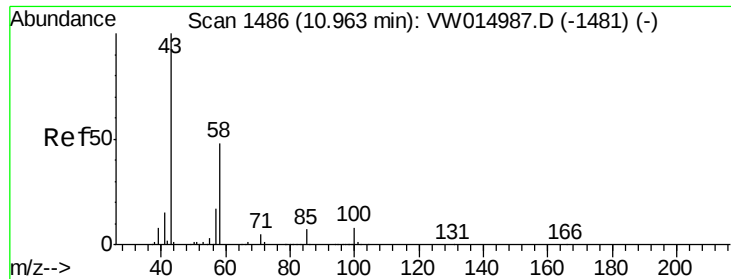
MMDadoda
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#46
Tetrachloroethene
Concen: 1.197 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		9298		
129	87.4	72.2	134.2		
131	84.5	68.1	126.5		
166	96.2	90.6	168.2		





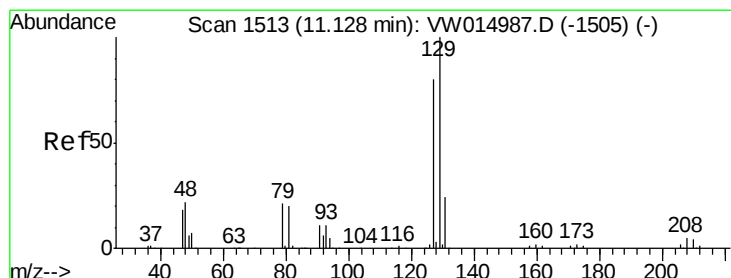
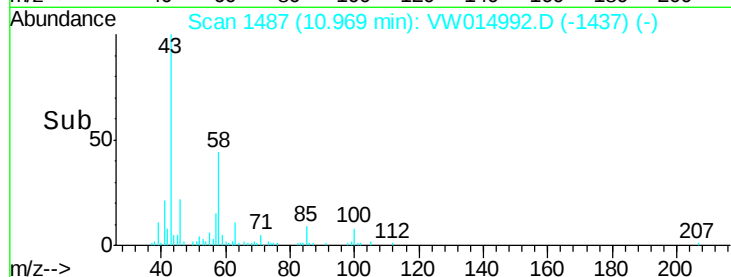
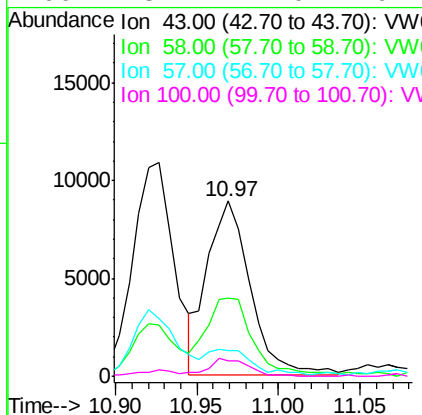
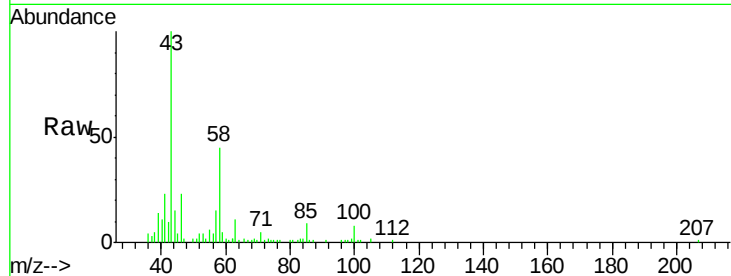
#48
2-Hexanone
Concen: 2.266 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion	43	58	57	100
Resp:	16391			
Ion Ratio	100	49.1	15.1	8.4
Lower		39.2	13.1	7.0
Upper		58.8	19.7	10.4

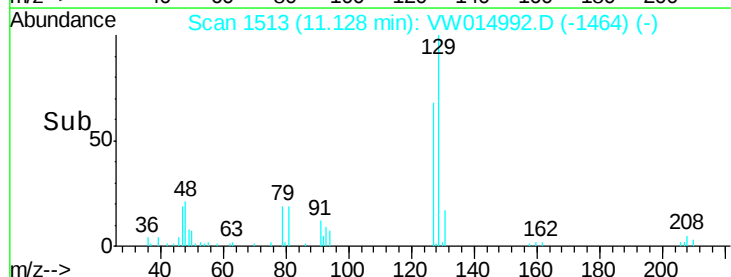
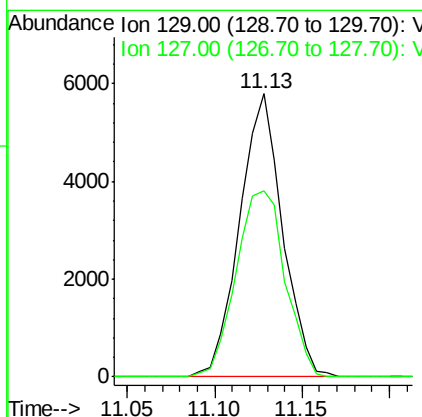
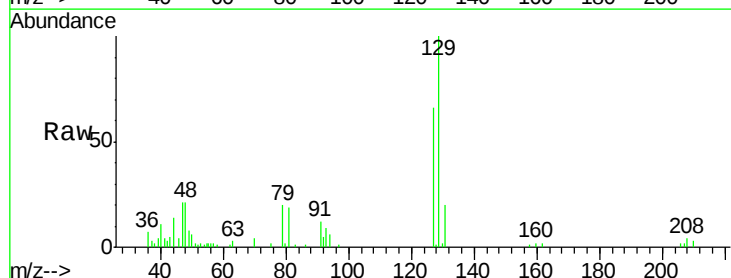
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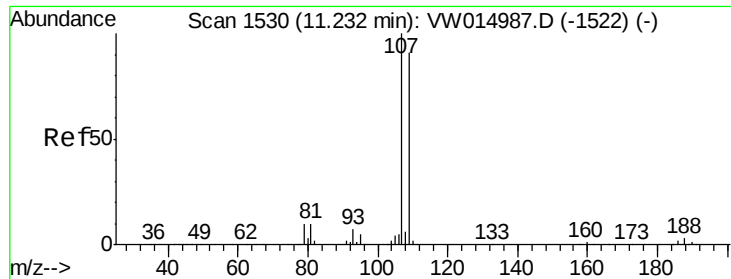
MMDadoda
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#49
Dibromochloromethane
Concen: 1.120 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	129	127
Resp:	9874	
Ion Ratio	100	67.1
Lower		53.0
Upper		98.4





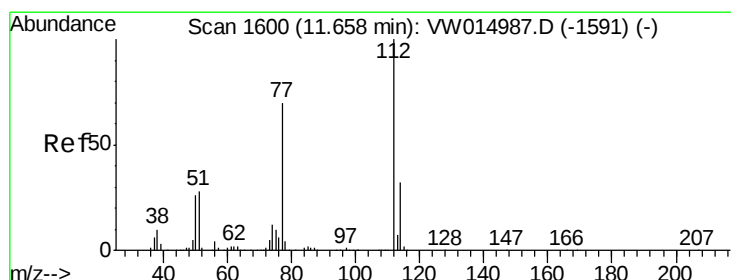
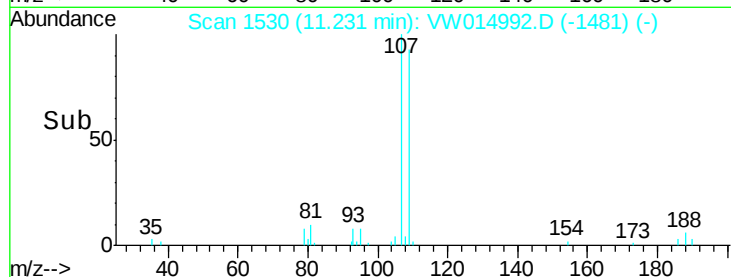
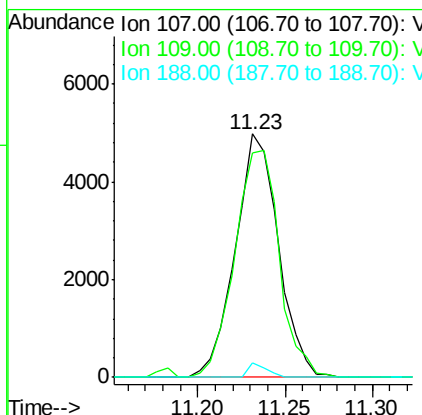
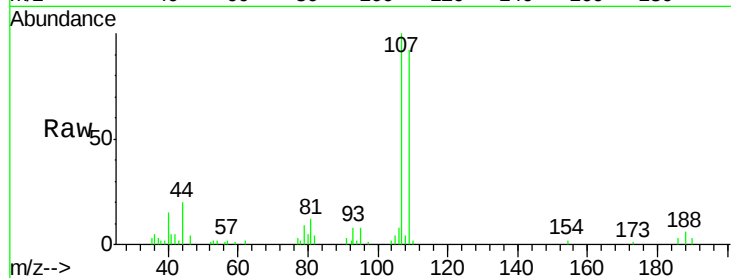
#50
 1,2-Dibromoethane
 Concen: 1.119 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	65.1	120.9
188	5.8	2.4	3.6

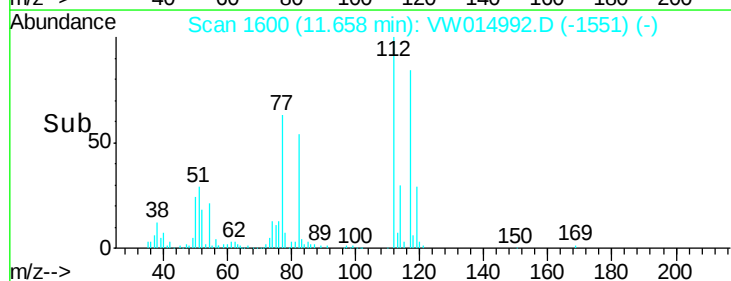
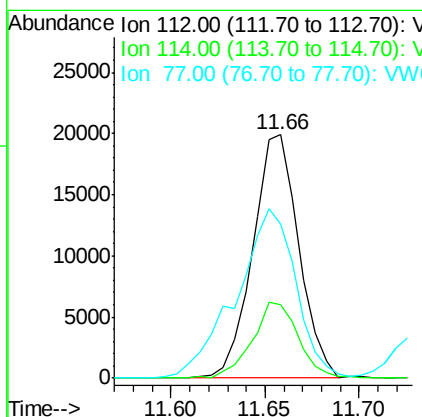
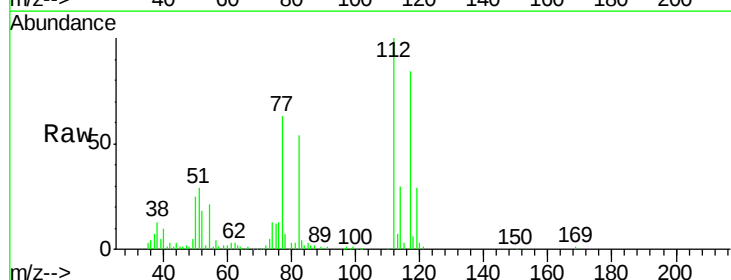
Manual Integrations
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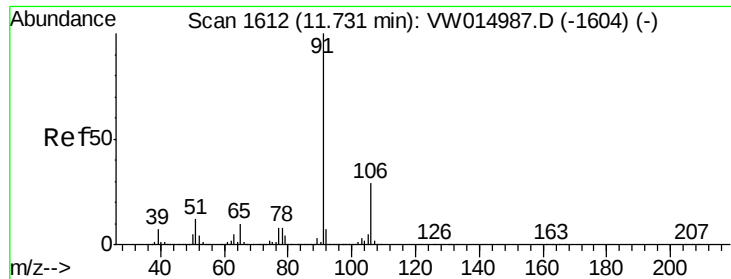
MMDadoda
 2/17/2020 3:46:18 PM



#51
 Chlorobenzene
 Concen: 1.183 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.6	42.0
77	63.2	54.6	82.0





#52

Ethylbenzene

Concen: 1.033 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 54272

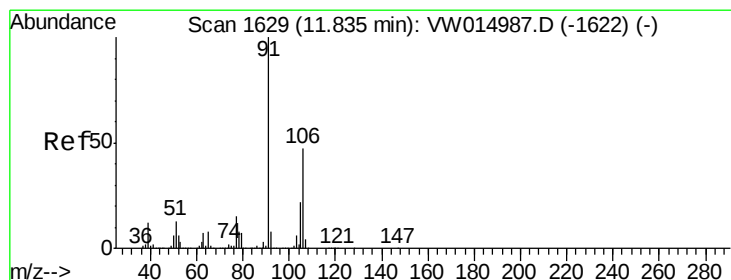
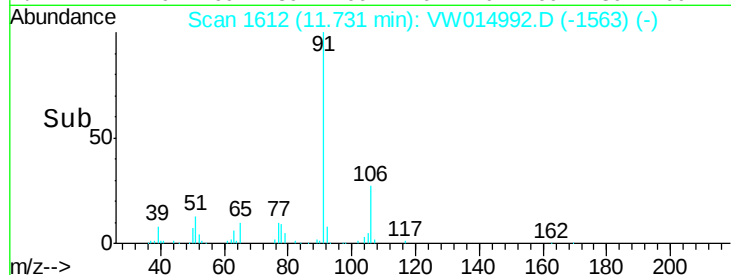
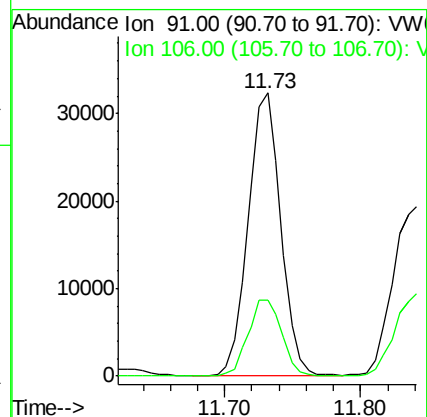
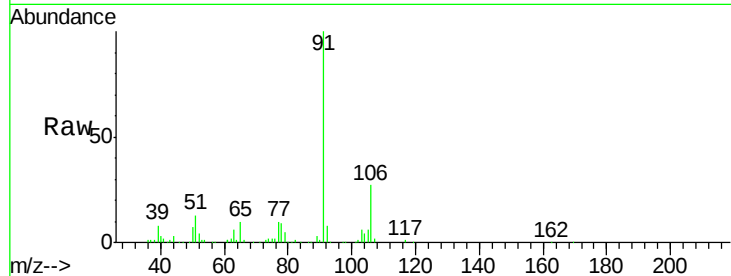
Ion Ratio Lower Upper

91 100

106 27.1 20.2 37.4

Manual Integrations
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#53

m,p-Xylene

Concen: 0.961 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014992.D

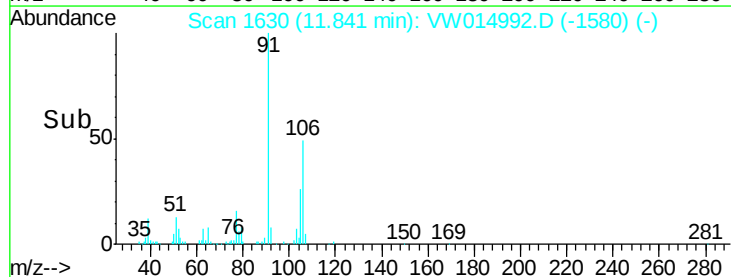
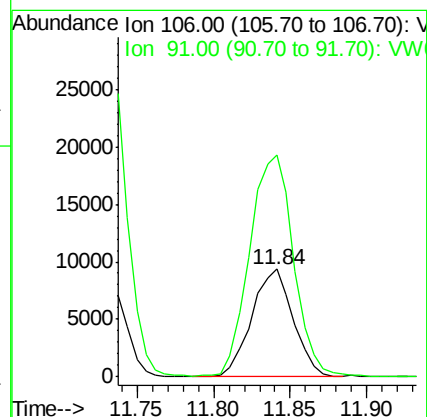
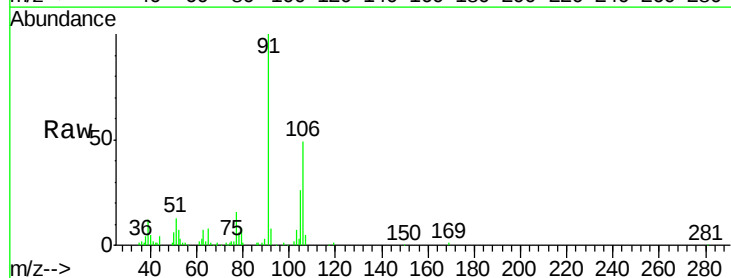
Acq: 14 Feb 2020 12:52

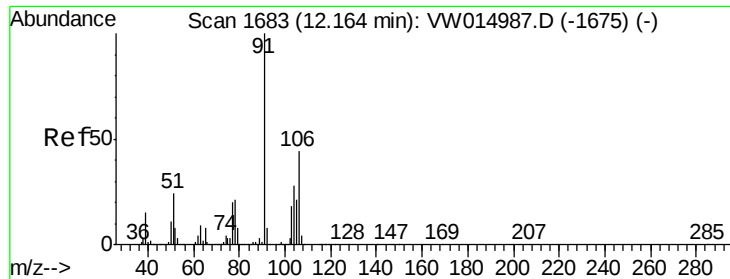
Tgt Ion: 106 Resp: 17721

Ion Ratio Lower Upper

106 100

91 206.1 149.2 277.2





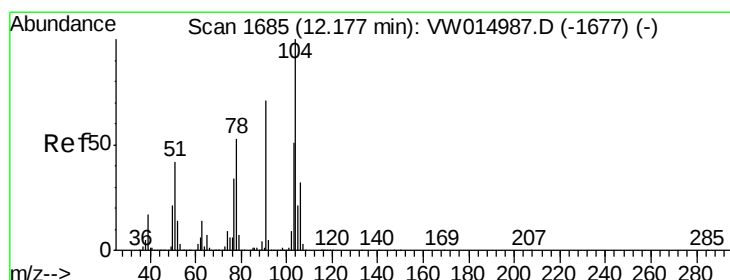
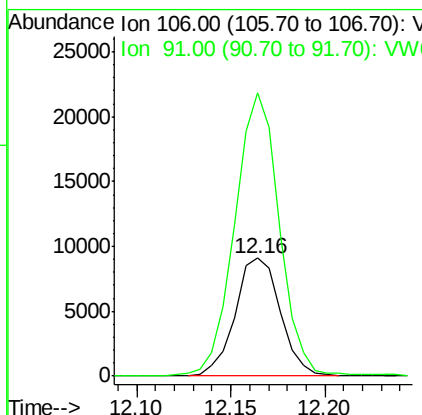
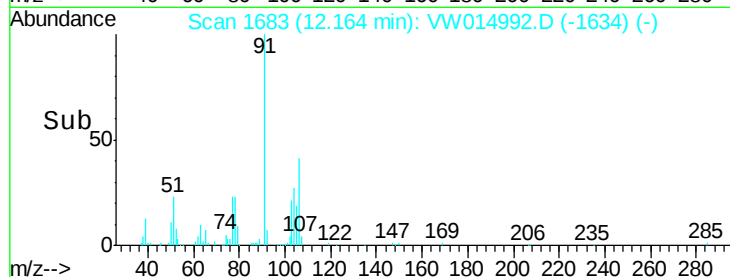
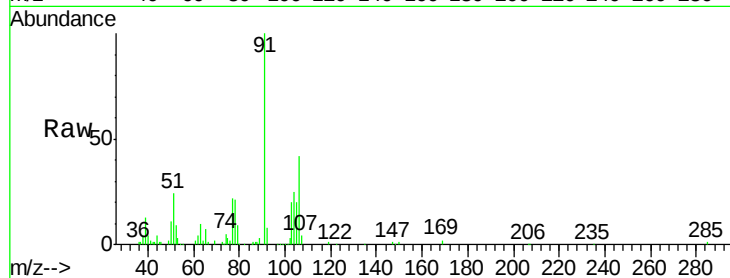
#54
o-Xylene
Concen: 0.874 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampled :
MDL05

Tot Ion:106 Resp: 15129
Ion Ratio Lower Upper
106 100
91 240.1 163.7 304.1

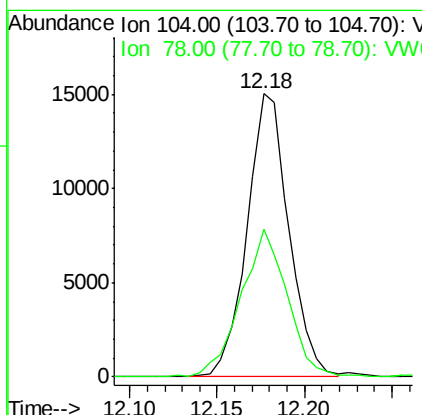
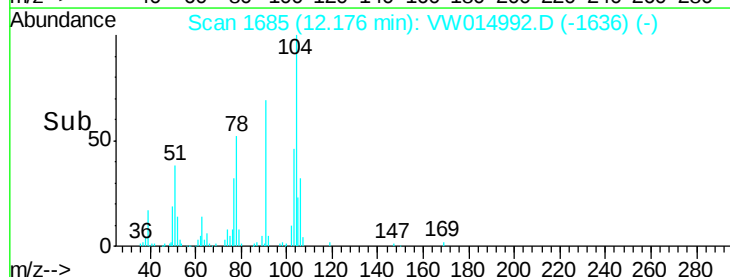
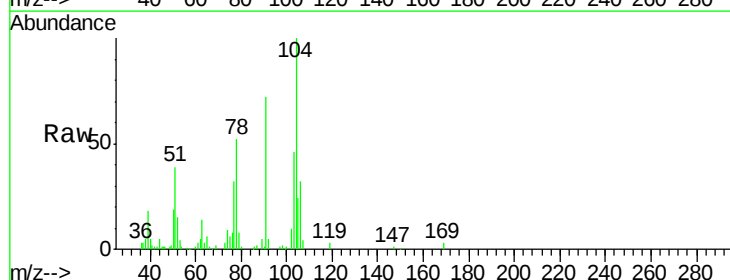
Manual Integrations
APPROVED

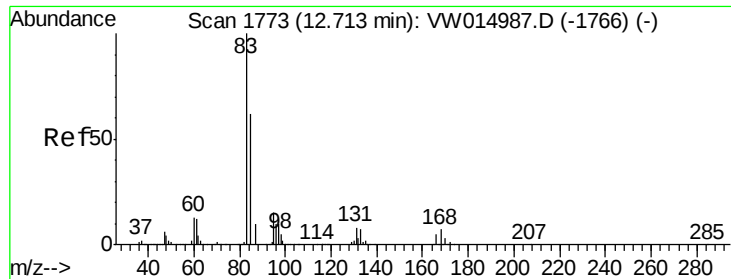
MMDadoda
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#55
Styrene
Concen: 0.836 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion:104 Resp: 24942
Ion Ratio Lower Upper
104 100
78 52.2 36.8 68.4





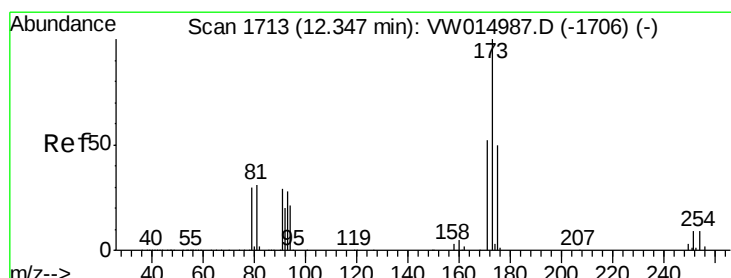
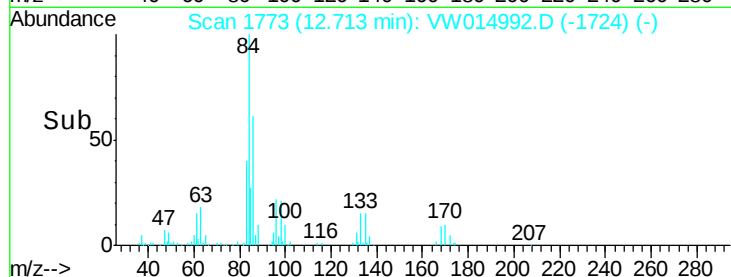
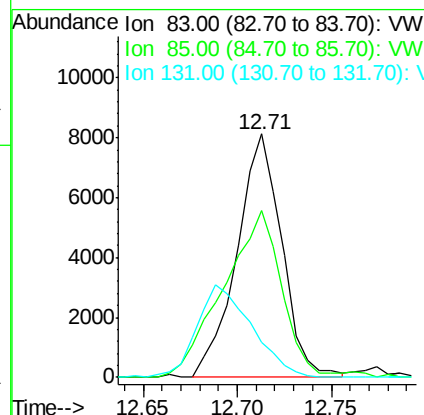
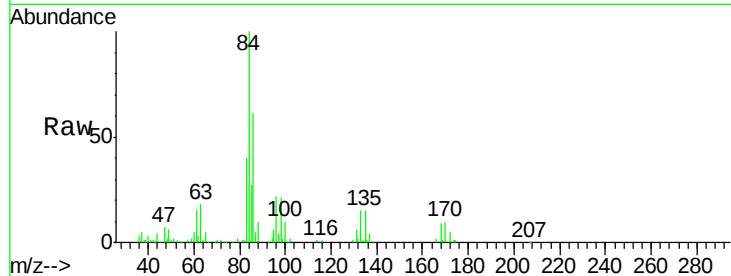
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.186 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion	Ratio	Resp	Lower	Upper
83	100	13420		
85	68.6		44.9	83.5
131	14.3		6.2	9.2#

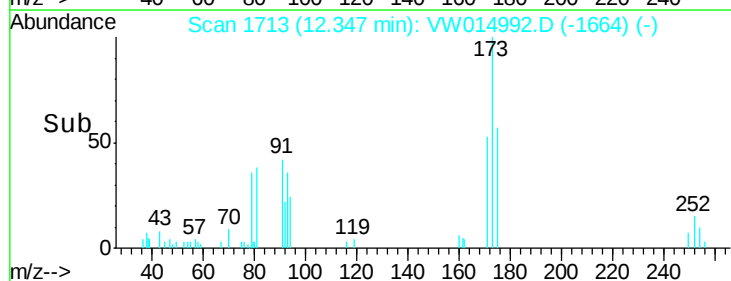
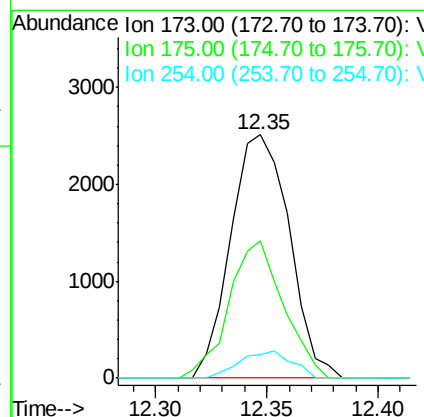
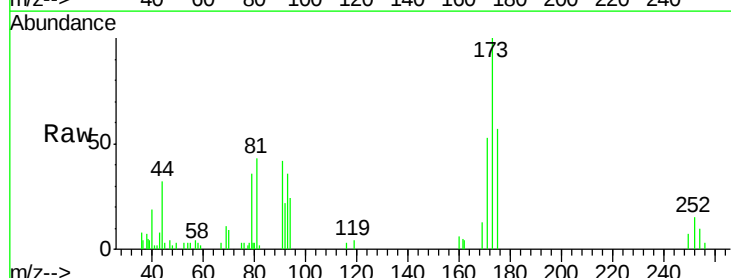
Manual Integrations
 APPROVED

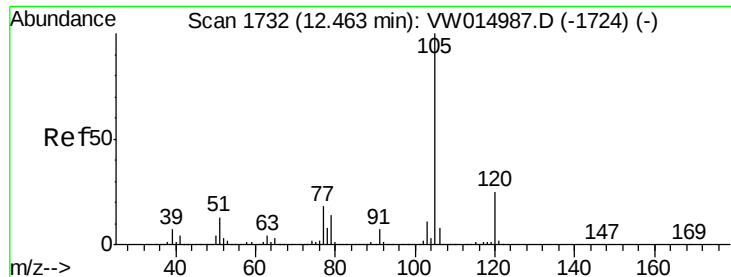
MMDadoda
 2/17/2020 3:46:18 PM



#59
 Bromoform
 Concen: 1.118 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	4602		
175	52.4		39.0	58.4
254	10.0		7.1	10.7





#60

Isopropylbenzene

Concen: 0.952 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Instrument :

MSVOA_W

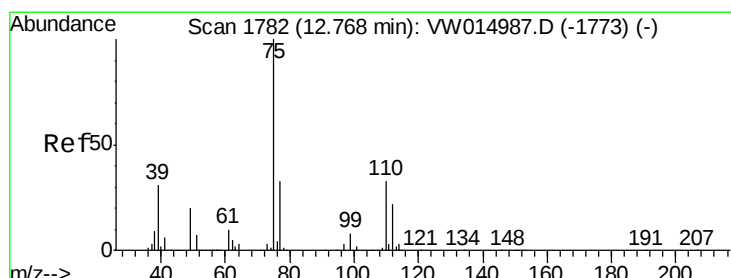
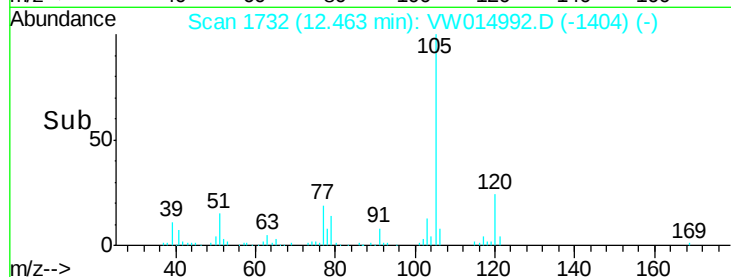
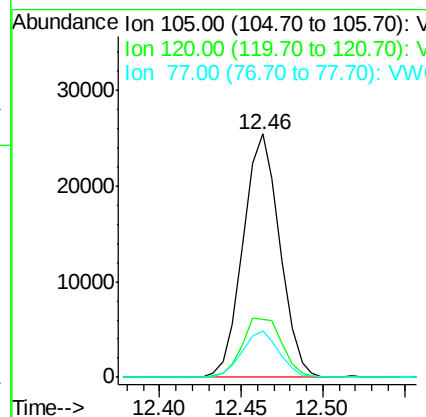
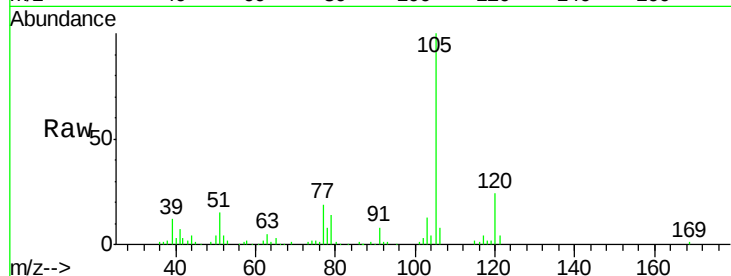
ClientSampled :

MDL05

Tot Ion:	105	Resp:	40120
Ion Ratio		Lower	Upper
105	100		
120	26.6	20.1	30.1
77	19.3	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 1.236 ug/L

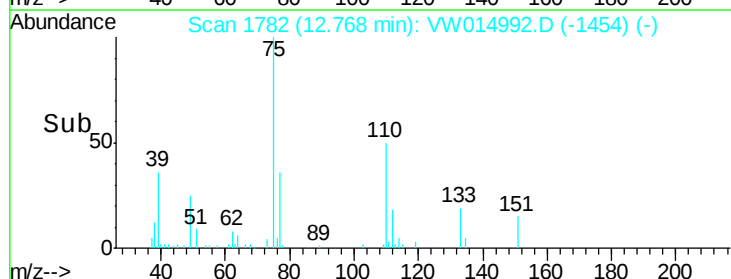
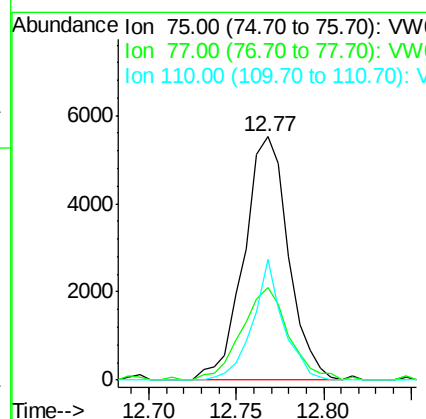
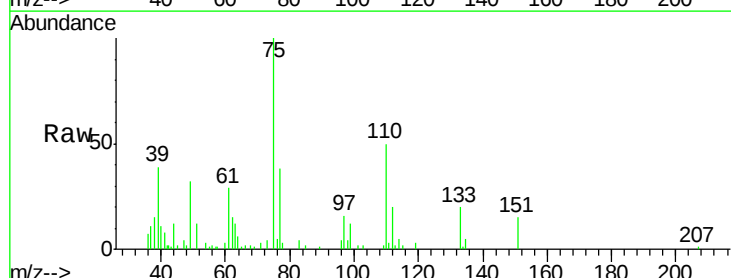
RT: 12.77 min Scan# 1782

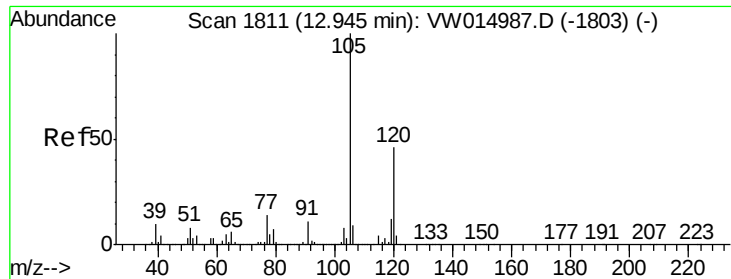
Delta R.T. -0.00 min

Lab File: VW014992.D

Acq: 14 Feb 2020 12:52

Tgt Ion:	75	Resp:	9751
Ion Ratio		Lower	Upper
75	100		
77	40.1	25.8	38.6#
110	34.1	26.6	39.8





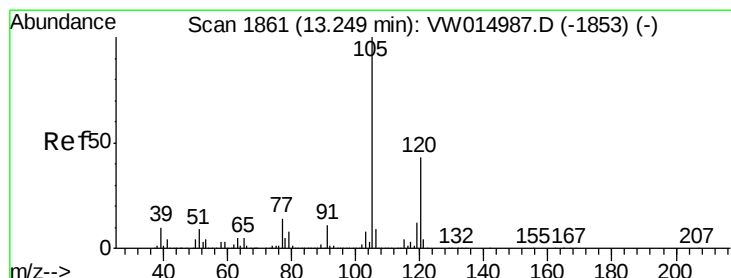
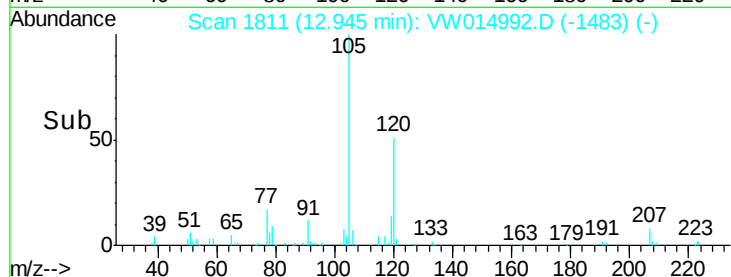
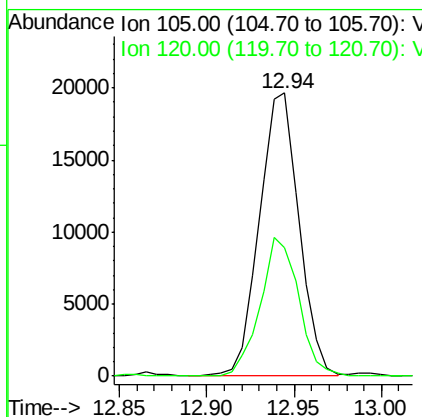
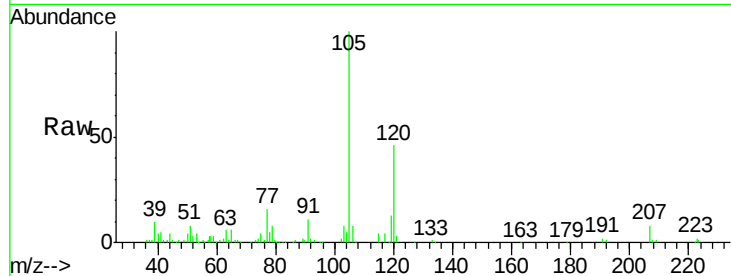
#62
 1,3,5-Trimethylbenzene
 Concen: 0.920 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

Tot Ion:105 Resp: 30902
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.4 56.0

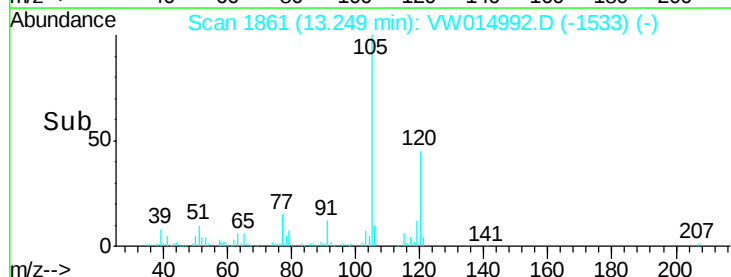
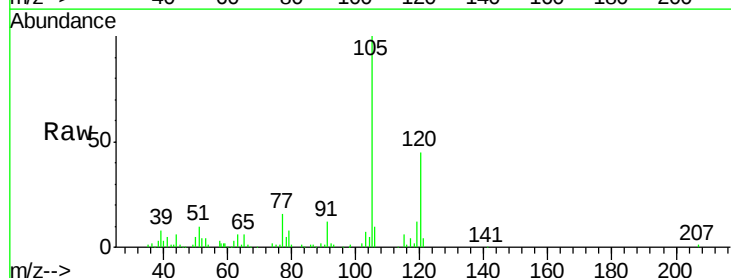
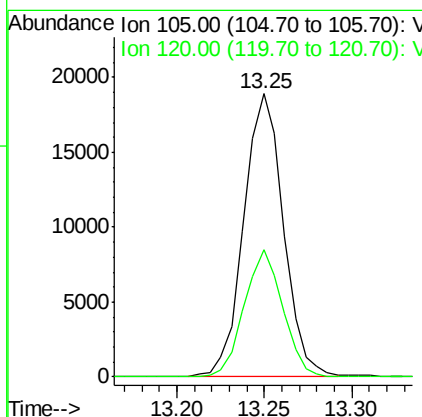
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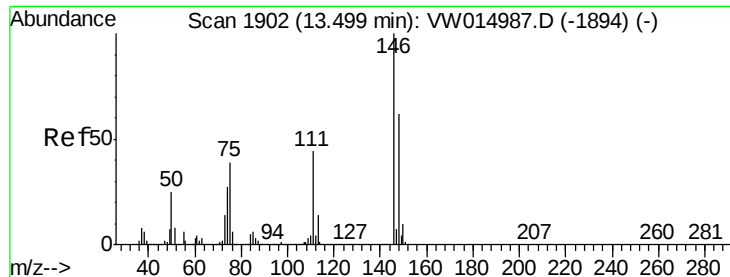
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.908 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion:105 Resp: 29835
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.0 52.4





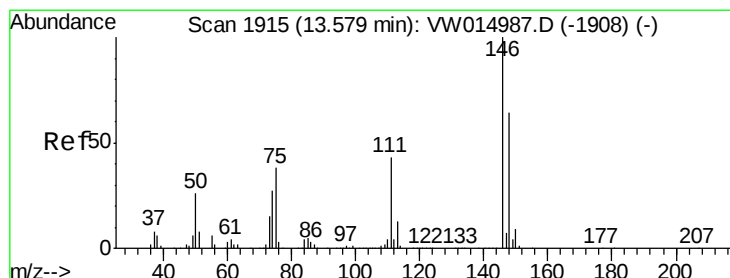
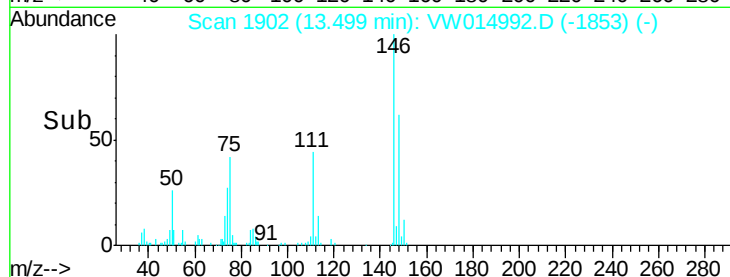
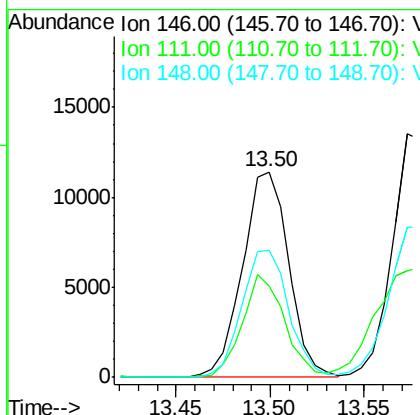
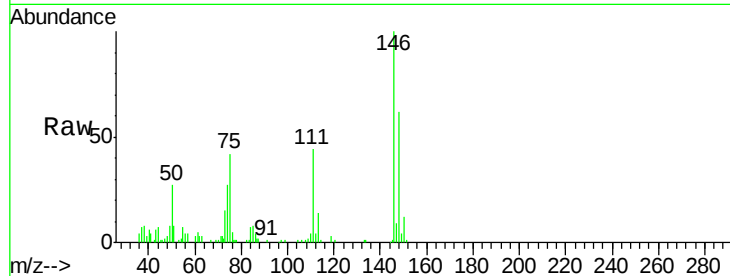
#64
1,3-Dichlorobenzene
Concen: 1.118 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampled :
MDL05

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

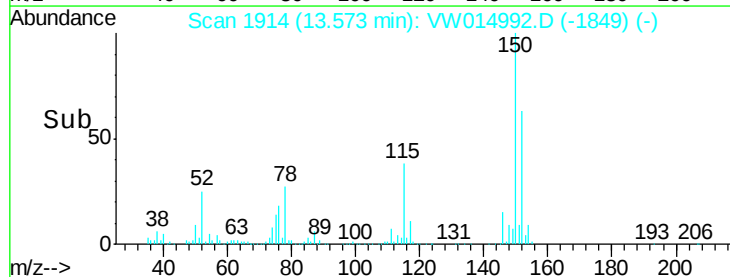
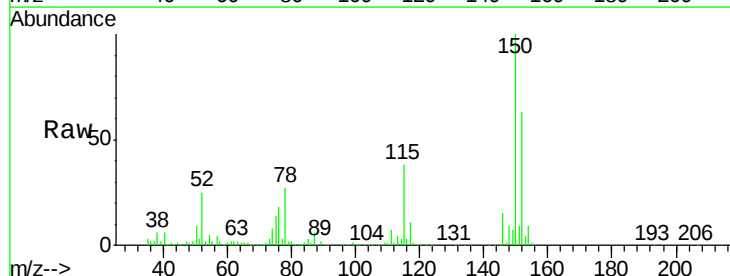
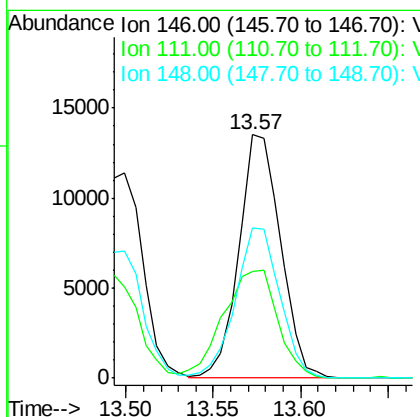
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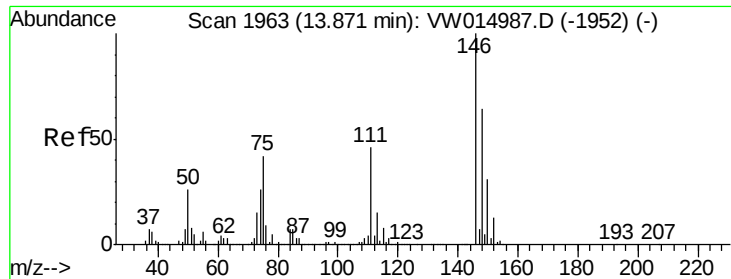
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#65
1,4-Dichlorobenzene
Concen: 1.251 ug/L
RT: 13.57 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	29.5	54.9
148	61.9	43.8	81.3





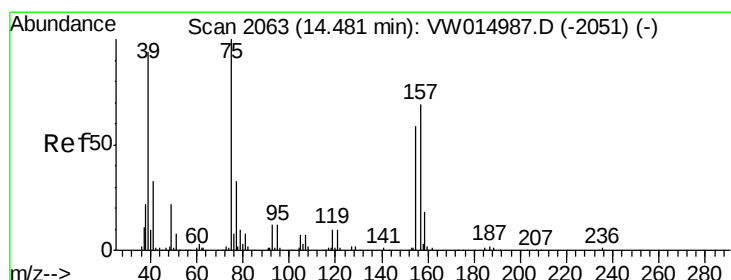
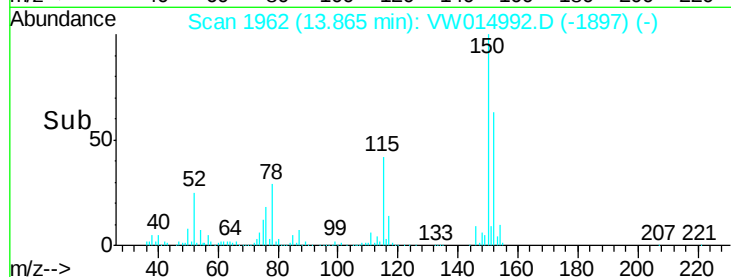
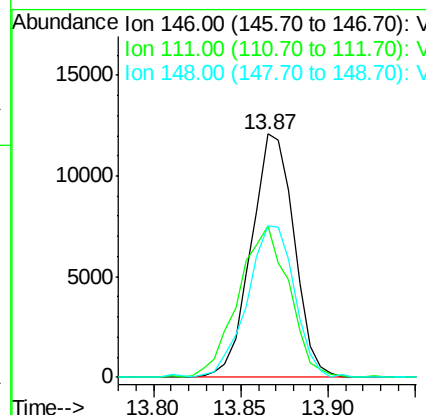
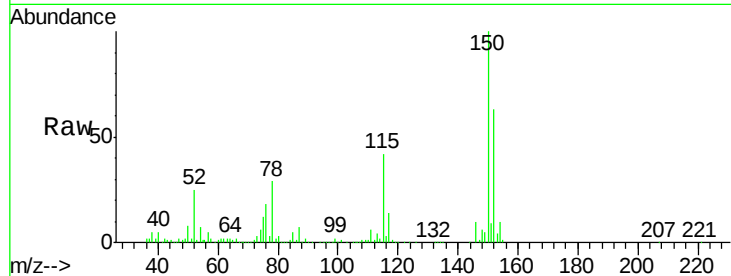
#67
 1,2-Dichlorobenzene
 Concen: 1.281 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.3	38.0	57.0#
148	62.2	49.5	74.3

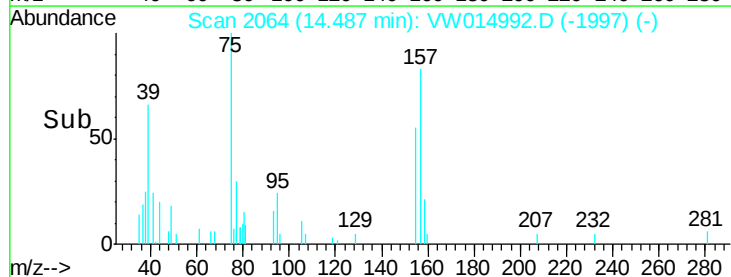
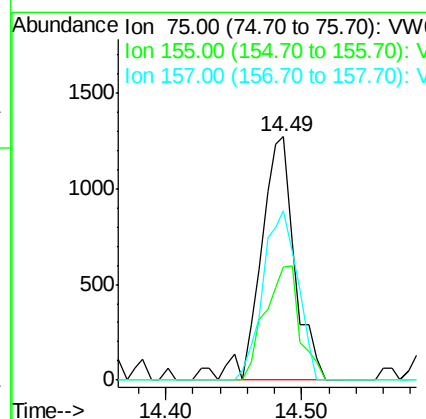
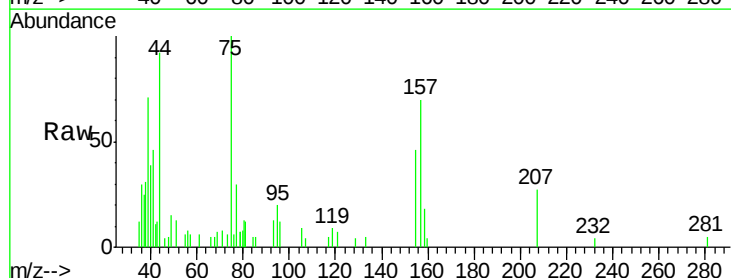
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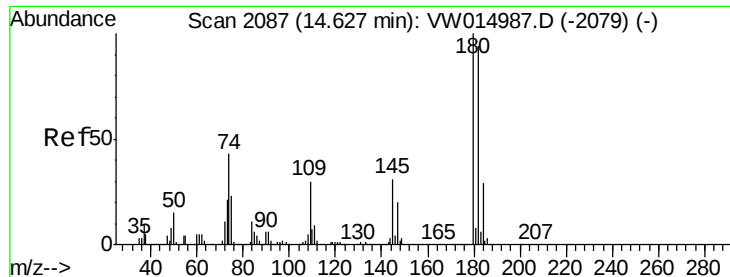
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.353 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	46.4	48.0	72.0#
157	69.8	59.4	89.0





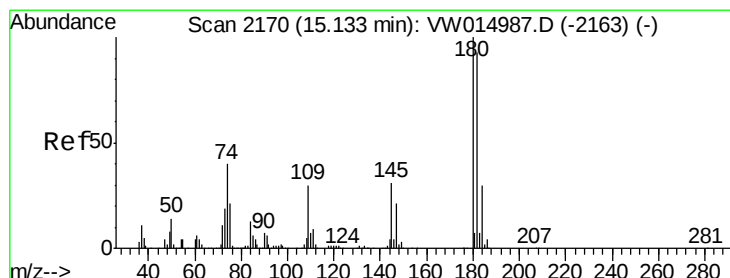
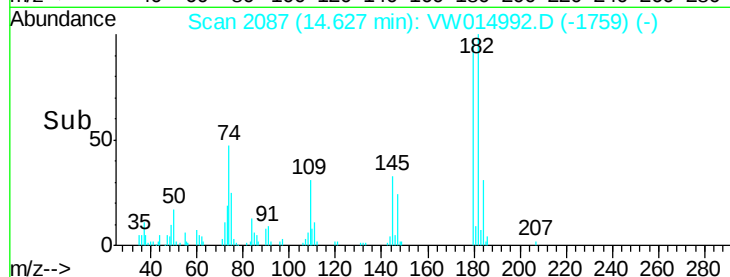
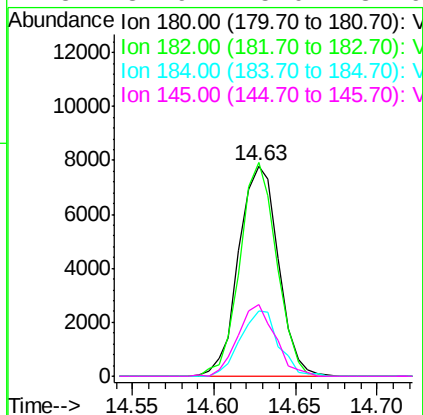
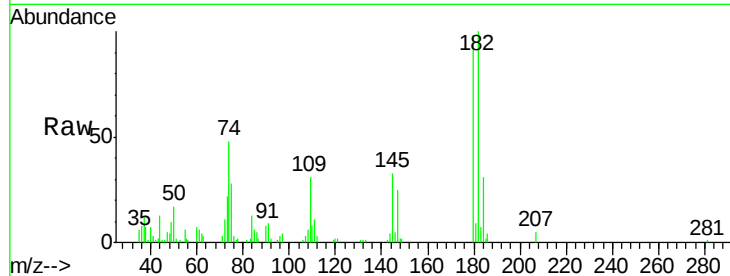
#69
 1,3,5-Trichlorobenzene
 Concen: 1.136 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tot Ion:	180	Resp:	13221
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.5	114.7
184	29.9	24.2	36.2
145	31.9	25.0	37.6

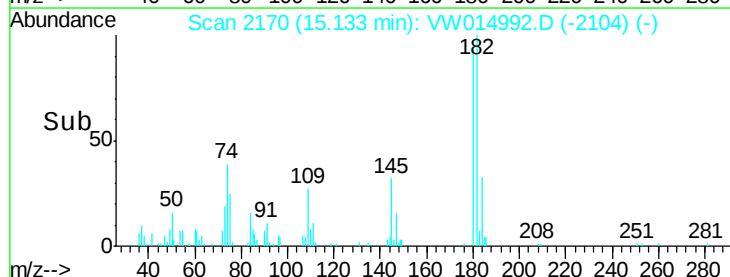
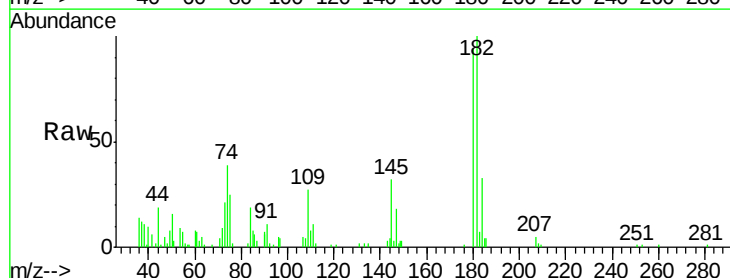
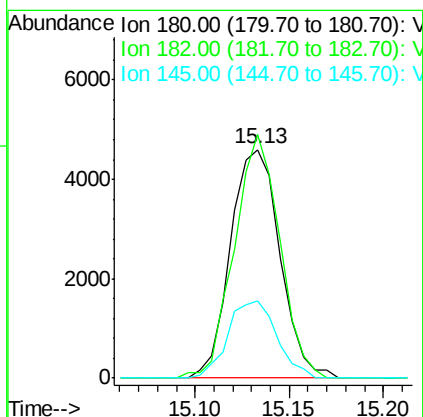
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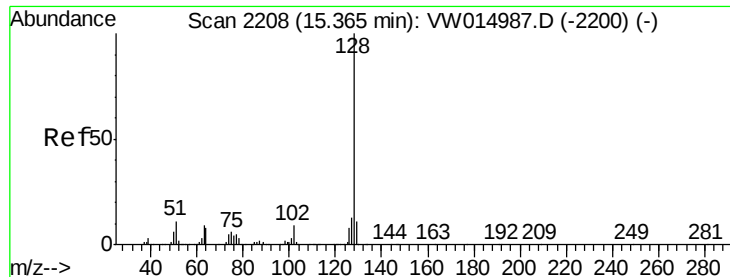
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#70
 1,2,4-trichlorobenzene
 Concen: 0.958 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014992.D
 Acq: 14 Feb 2020 12:52

Tgt Ion:	180	Resp:	8364
Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.2	114.4
145	33.3	26.2	39.4





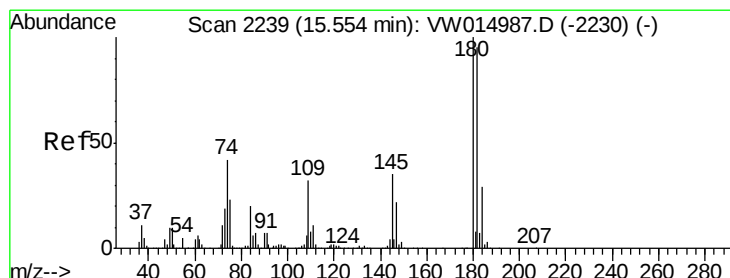
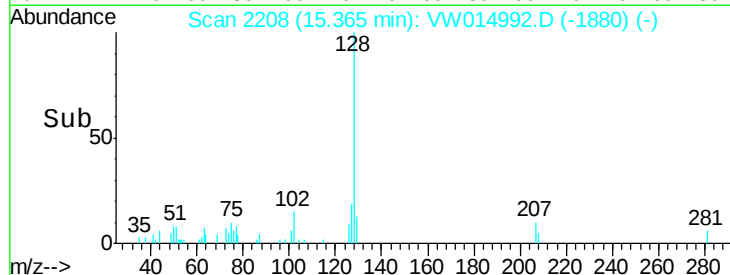
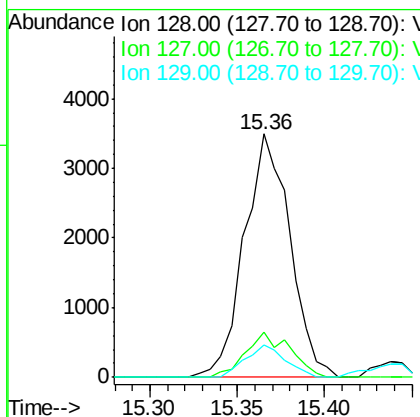
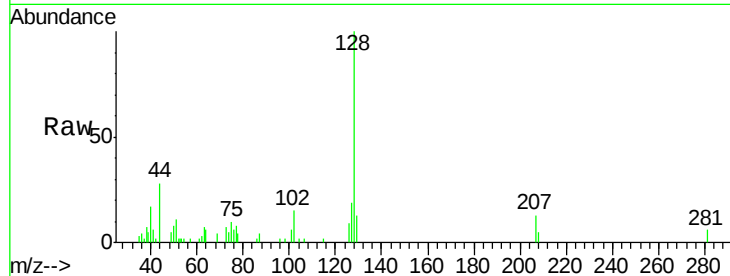
#71
Naphthalene
Concen: 0.706 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.2	10.5	15.7#
129	11.7	8.6	12.8

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 0.995 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW014992.D
Acq: 14 Feb 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.9	75.2	112.8
145	34.8	27.0	40.6

