

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021720\
 Data File : VW015001.D
 Acq On : 17 Feb 2020 15:37
 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 6:02:52 PM

Quant Time: Feb 18 04:31:22 2020

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

Quant Title : SFAM01.0

QLast Update : Tue Feb 18 04:18:26 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	670997	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	622901	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	246546	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	316698	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.76%
7) Chloroethane-d5	2.89	69	244801	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
11) 1,1-Dichloroethene-d2	4.01	63	428469	17.67	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
21) 2-Butanone-d5	7.07	46	172636	45.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.68%
24) Chloroform-d	7.65	84	502076	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.31	65	305436	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.64%
32) Benzene-d6	8.27	84	1005937	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	9.27	67	348322	24.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.52%
41) Toluene-d8	10.32	98	843892	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.32%
43) trans-1,3-Dichloropropene-	10.57	79	125491	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.52%
47) 2-Hexanone-d5	10.92	63	115081	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	255521	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.88%
66) 1,2-Dichlorobenzene-d4	13.85	152	233620	25.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	7200	1.080 ug/L	91
3) Chloromethane	2.21	50	17959	1.433 ug/L	96
5) Vinyl chloride	2.36	62	23165	1.436 ug/L #	61
6) Bromomethane	2.78	94	9533	1.302 ug/L	99
8) Chloroethane	2.92	64	11396	1.320 ug/L	96
9) Trichlorofluoromethane	3.25	101	7834	1.229 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	17245m	1.654 ug/L	
12) 1,1-Dichloroethene	4.04	96	15658	1.566 ug/L #	1
13) Acetone	4.13	43	14940	3.800 ug/L	82
14) Carbon disulfide	4.39	76	45219	1.251 ug/L	96
15) Methyl Acetate	4.68	43	8373m	1.227 ug/L	
16) Methylene chloride	4.92	84	35839	2.891 ug/L	92
17) trans-1,2-Dichloroethene	5.42	96	12975	1.286 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	14941	1.200 ug/L #	82
19) 1,1-Dichloroethane	6.21	63	29119	1.292 ug/L	93
20) cis-1,2-Dichloroethene	7.17	96	12941	1.244 ug/L	85
22) 2-Butanone	7.18	43	15720m	3.326 ug/L	

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 Quant Title : SFAM01.0
 QLast Update : Tue Feb 18 04:18:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	5725	1.357	ug/L	83
25) Chloroform	7.67	83	28872	1.438	ug/L	99
27) 1,2-Dichloroethane	8.40	62	20871	1.414	ug/L	97
29) Cyclohexane	7.95	56	21505	1.059	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	19703	1.300	ug/L	99
31) Carbon tetrachloride	8.06	117	17752	1.300	ug/L	96
33) Benzene	8.32	78	60961	1.333	ug/L	100
34) Trichloroethene	9.09	95	14156	1.292	ug/L	96
35) Methylcyclohexane	9.33	83	19828	1.050	ug/L	87
37) 1,2-Dichloropropane	9.37	63	17176	1.345	ug/L #	94
38) Bromodichloromethane	9.64	83	18616	1.294	ug/L #	92
39) cis-1,3-Dichloropropene	10.07	75	20032	1.172	ug/L	96
40) 4-Methyl-2-pentanone	10.21	43	21465	2.360	ug/L	97
42) Toluene	10.38	91	57564	1.303	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	19095m	1.347	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	10359	1.337	ug/L	92
46) Tetrachloroethene	10.86	164	9497	1.335	ug/L	90
48) 2-Hexanone	10.97	43	16670	2.516	ug/L #	90
49) Dibromochloromethane	11.13	129	9796	1.213	ug/L	89
50) 1,2-Dibromoethane	11.23	107	8561	1.226	ug/L #	88
51) Chlorobenzene	11.65	112	33047	1.268	ug/L	88
52) Ethylbenzene	11.73	91	53717	1.116	ug/L	99
53) m,p-Xylene	11.84	106	17792	1.053	ug/L	92
54) o-Xylene	12.16	106	15764	0.994	ug/L	94
55) Styrene	12.18	104	25224	0.923	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	14498	1.398	ug/L #	94
59) Bromoform	12.34	173	5102	1.353	ug/L	99
60) Isopropylbenzene	12.46	105	42168	1.093	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	10386	1.437	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	31842	1.035	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	30569	1.015	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	20121	1.265	ug/L	96
65) 1,4-Dichlorobenzene	13.58	146	22766	1.388	ug/L	94
67) 1,2-Dichlorobenzene	13.87	146	21032	1.429	ug/L	92
68) 1,2-Dibromo-3-chloropropan	14.48	75	2429	1.608	ug/L	95
69) 1,3,5-Trichlorobenzene	14.63	180	14493	1.359	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	9670	1.210	ug/L	90
71) Naphthalene	15.36	128	9018	1.099	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.55	180	9652	1.303	ug/L	98

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

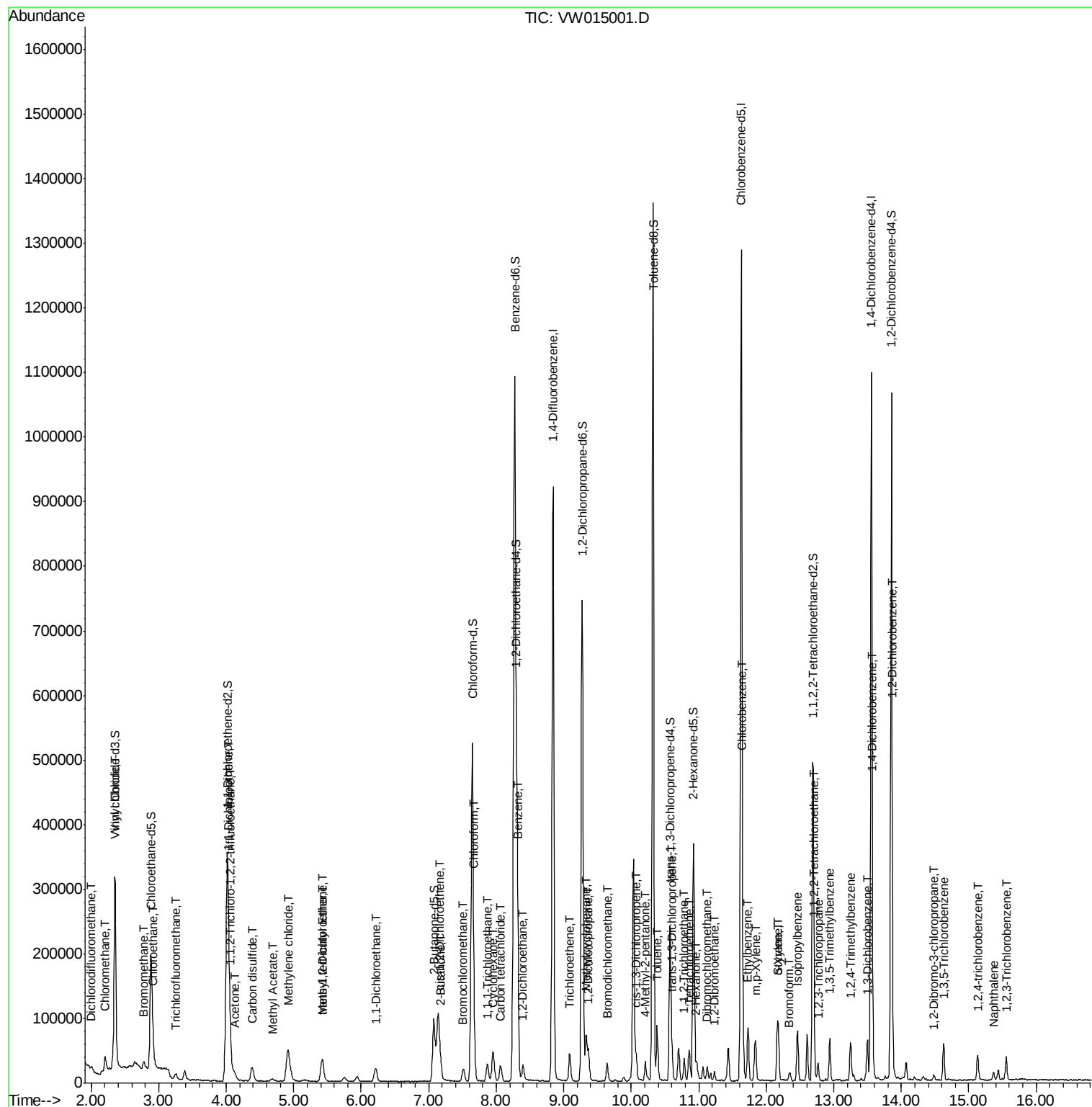
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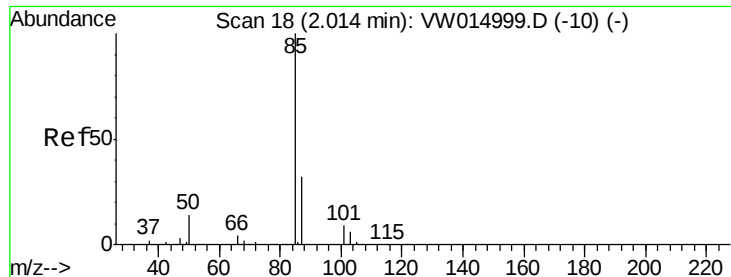
Instrument :
MSVOA_W
ClientSampleId :
MDL07

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.080 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 7200

Ion Ratio Lower Upper

85 100

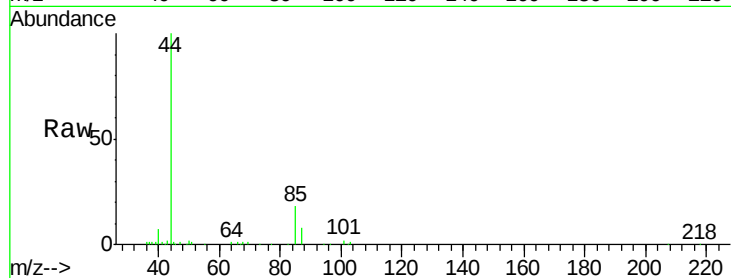
87 31.6 21.5 32.3

Manual Integrations

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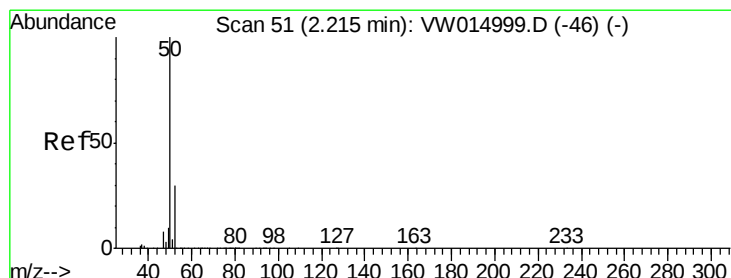
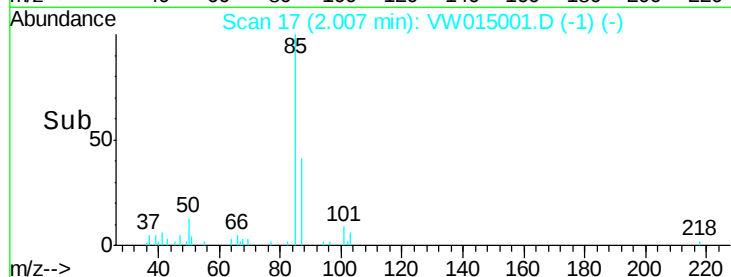
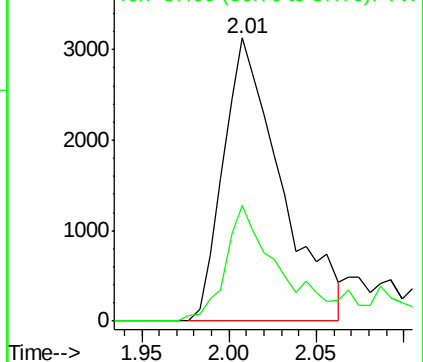
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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.433 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW015001.D

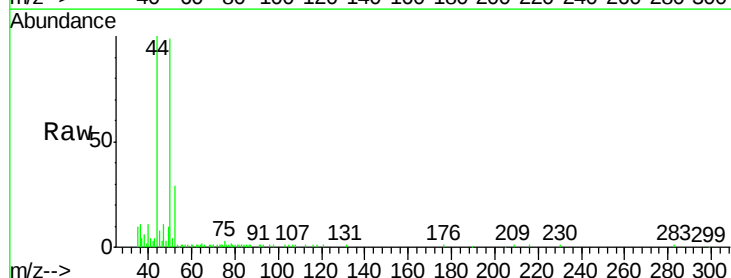
Acq: 17 Feb 2020 15:37

Tgt Ion: 50 Resp: 17959

Ion Ratio Lower Upper

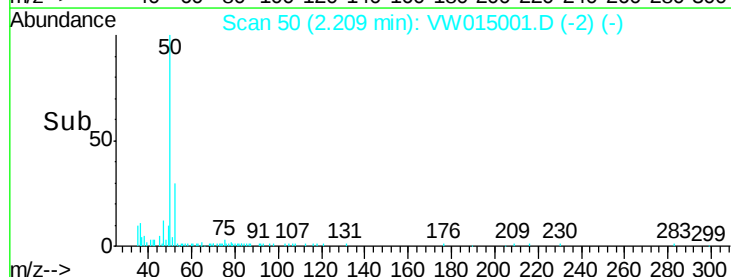
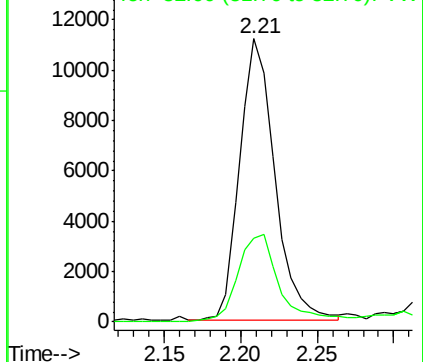
50 100

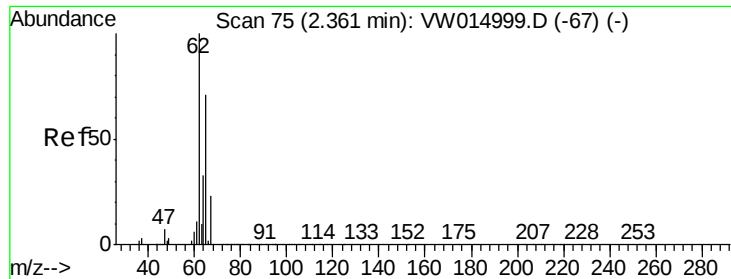
52 29.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.436 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

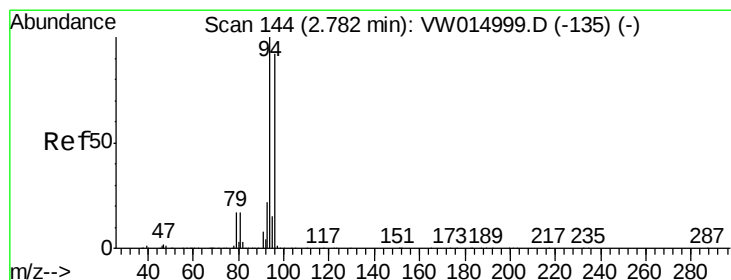
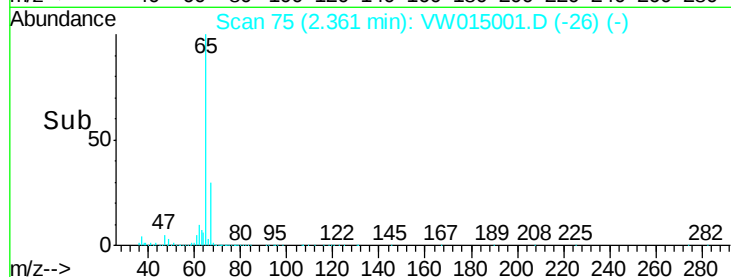
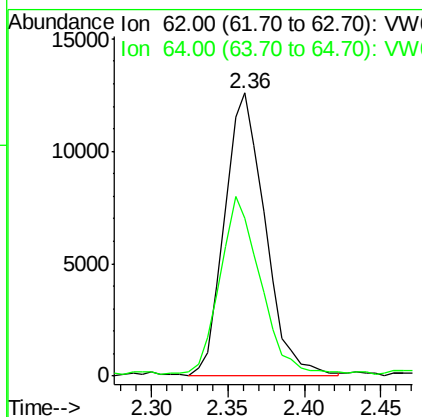
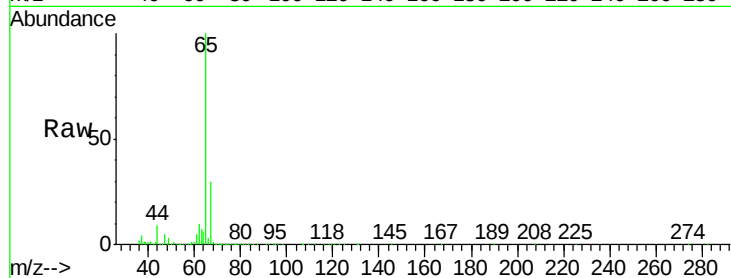
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
62	100		
64	55.9	23.6	43.8#

Manual Integrations
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#6

Bromomethane

Concen: 1.302 ug/L

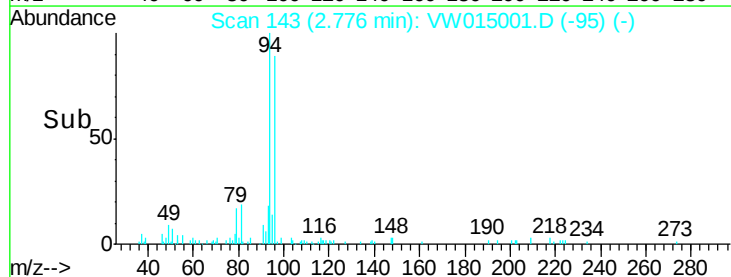
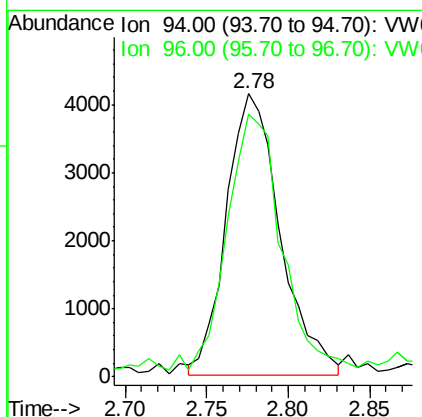
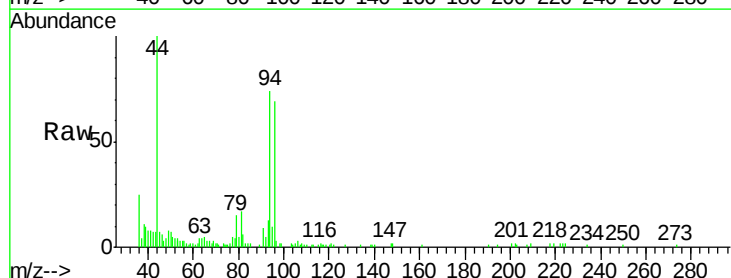
RT: 2.78 min Scan# 143

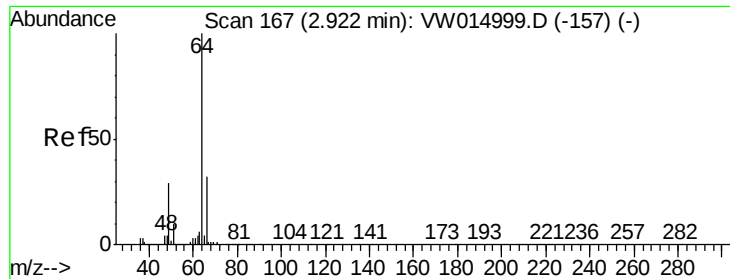
Delta R.T. -0.01 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.0	65.8	122.2





#8

Chloroethane

Concen: 1.320 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 64 Resp: 11396

Ion Ratio Lower Upper

64 100

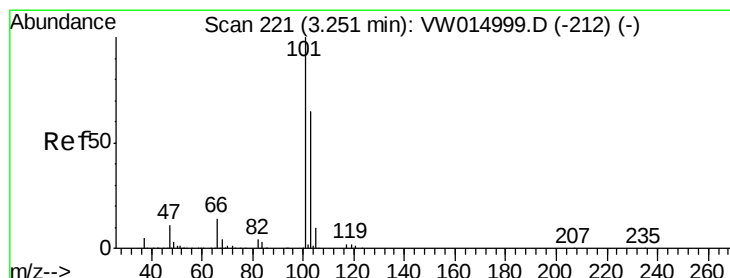
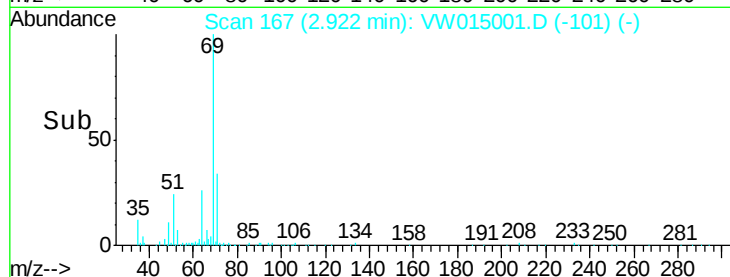
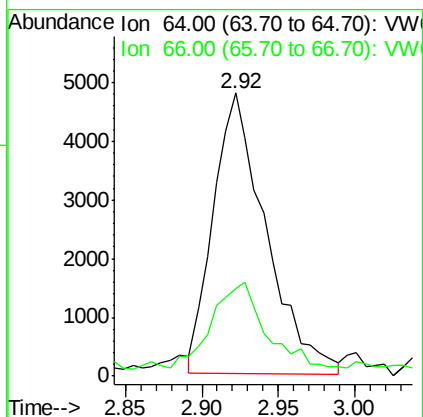
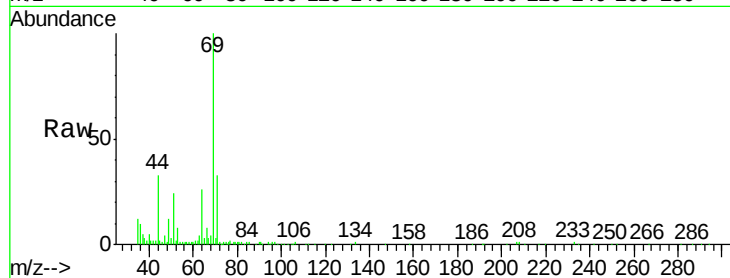
66 30.8 23.1 42.9

Manual Integrations

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2/19/2020 6:02:52 PM



#9

Trichlorofluoromethane

Concen: 1.229 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW015001.D

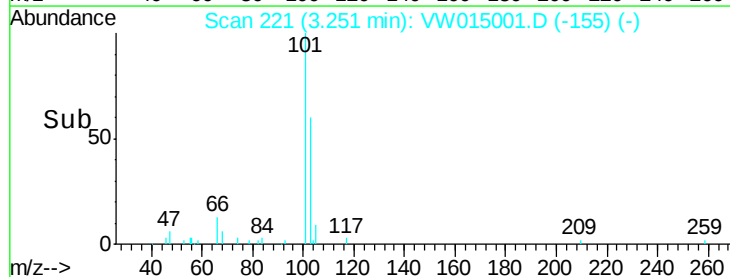
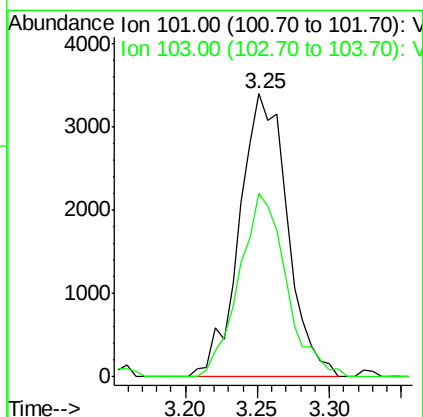
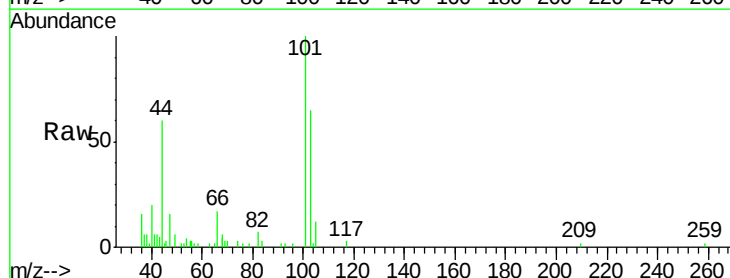
Acq: 17 Feb 2020 15:37

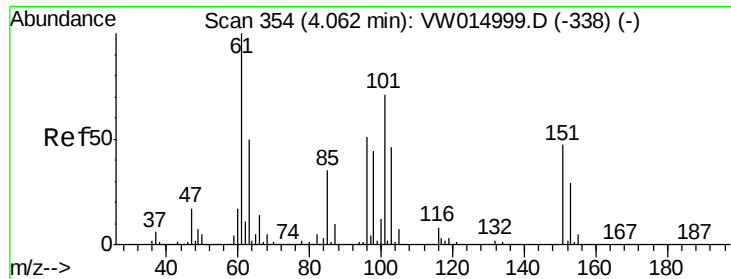
Tgt Ion: 101 Resp: 7834

Ion Ratio Lower Upper

101 100

103 63.8 51.5 77.3





#10

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

Concen: 1.654 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

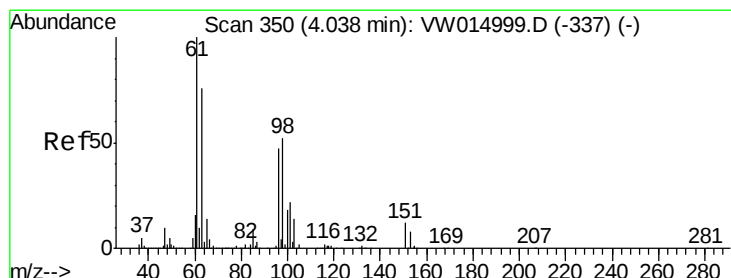
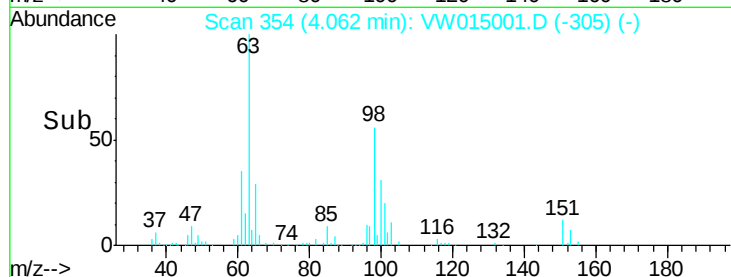
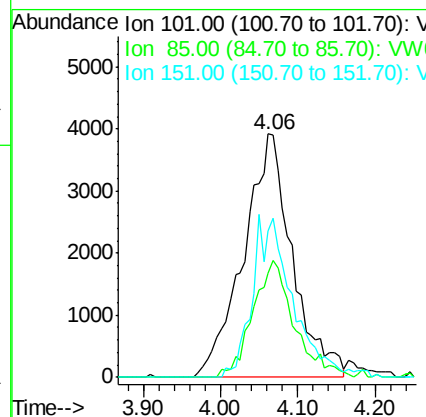
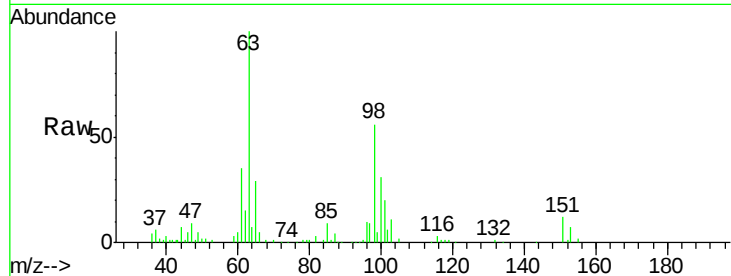
ClientSampled :

MDL07

Tot Ion:	101	Resp:	17245
Ion Ratio	Lower	Upper	
101	100		
85	37.5	36.5	54.7
151	27.2	50.2	75.4#

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#12

1,1-Dichloroethene

Concen: 1.566 ug/L

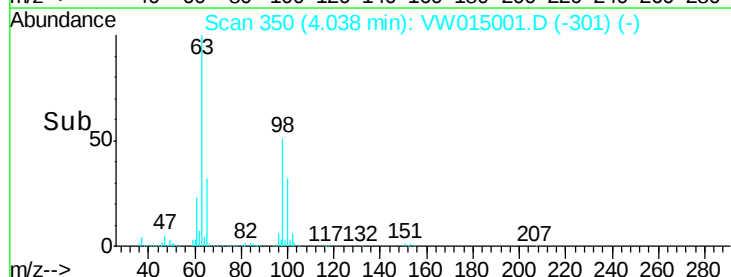
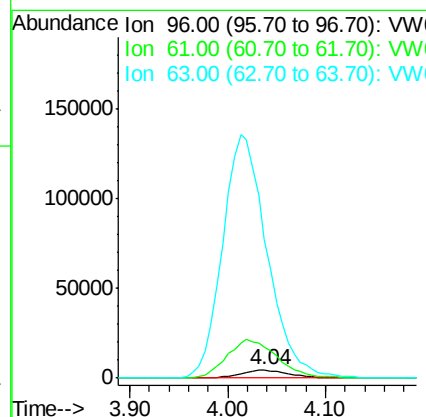
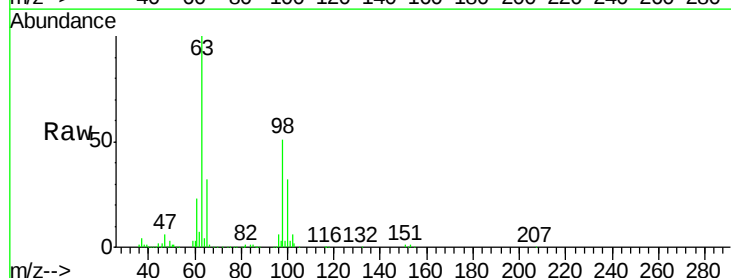
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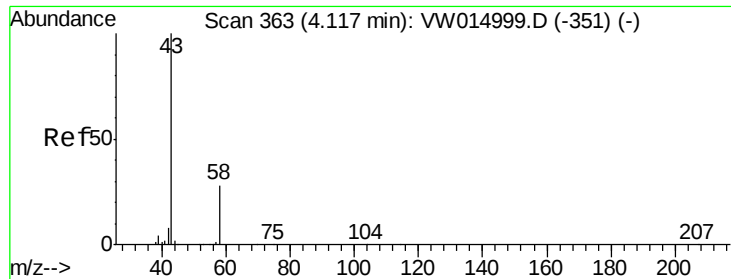
Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Tgt Ion:	96	Resp:	15658
Ion Ratio	Lower	Upper	
96	100		
61	363.8	147.0	273.0#
63	1609.2	113.4	210.6#





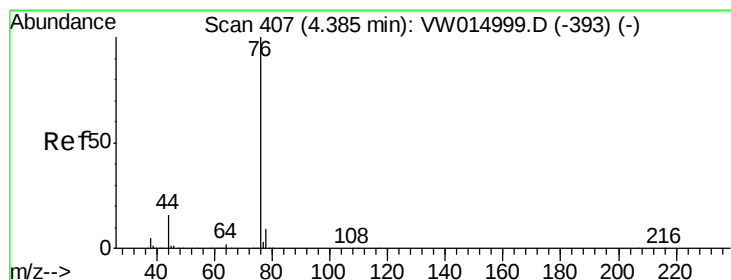
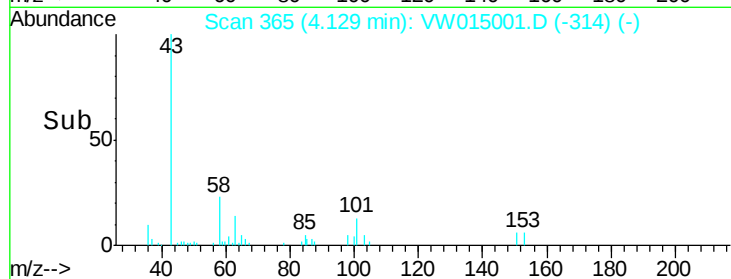
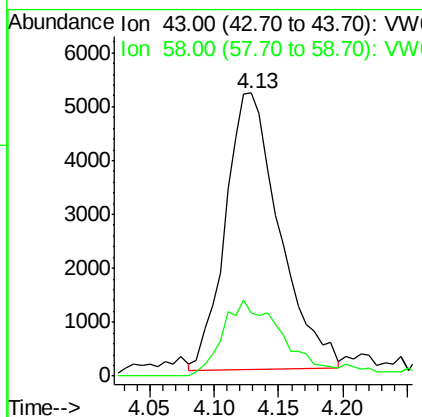
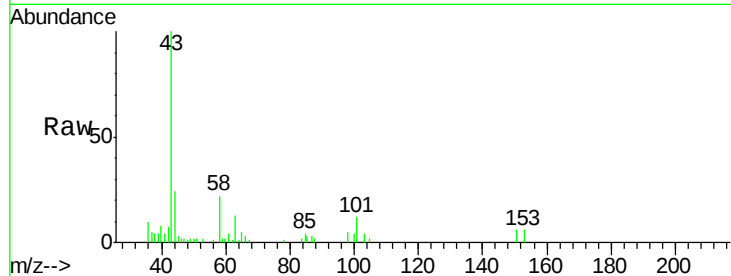
#13
Acetone
Concen: 3.800 ug/L
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	43	Resp	14940
Ion Ratio	43	100	Lower Upper
	58	18.1	0.0 54.6

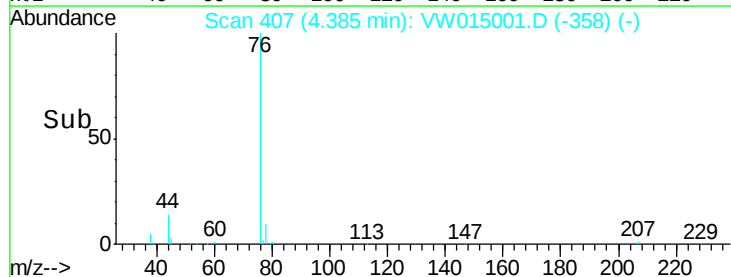
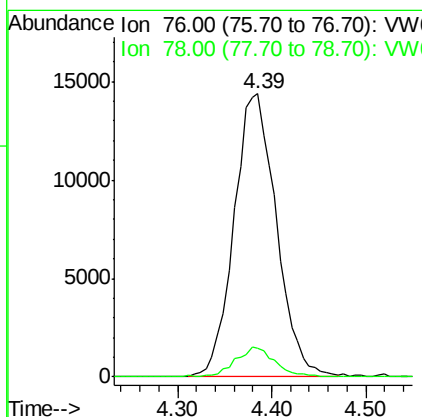
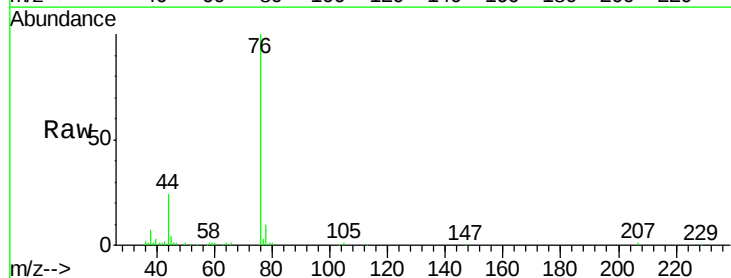
Manual Integrations
APPROVED

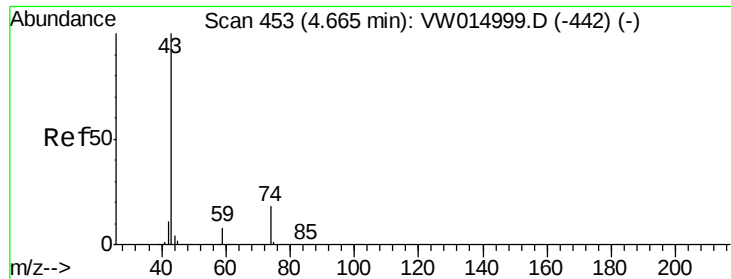
MMDadoda
2/19/2020 6:02:52 PM



#14
Carbon disulfide
Concen: 1.251 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	76	Resp	45219
Ion Ratio	76	100	Lower Upper
	78	10.3	7.2 10.8





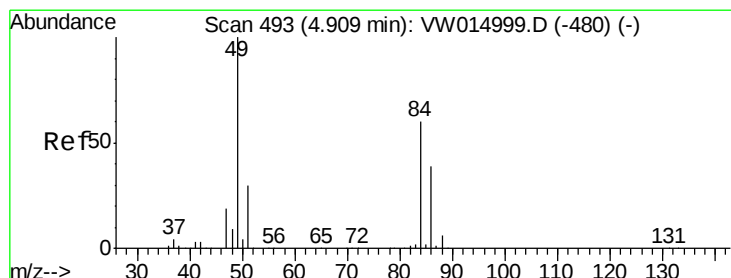
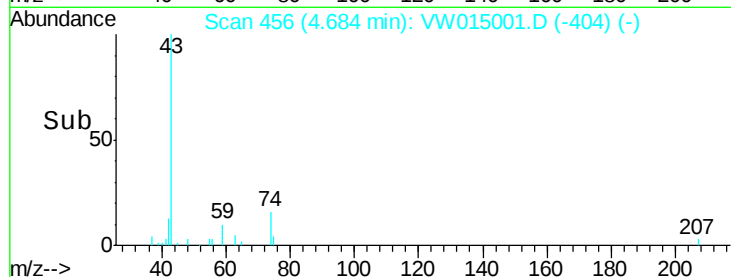
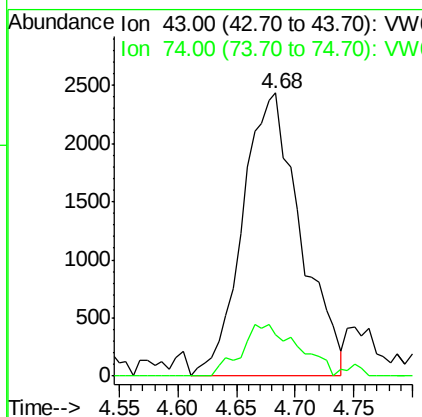
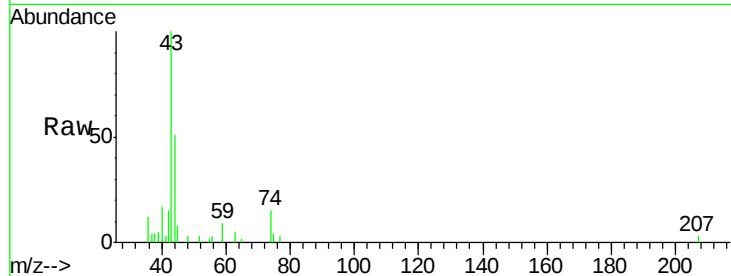
#15
Methyl Acetate
Concen: 1.227 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion: 43 Resp: 8373
Ion Ratio Lower Upper
43 100
74 16.1 14.6 21.8

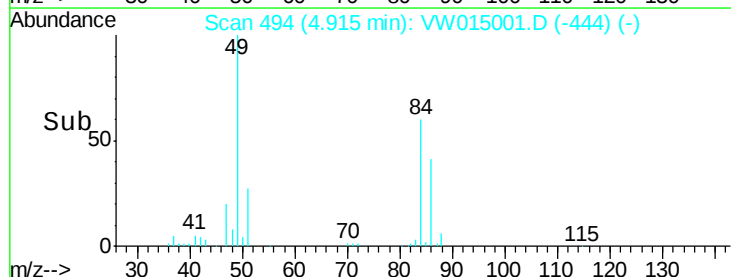
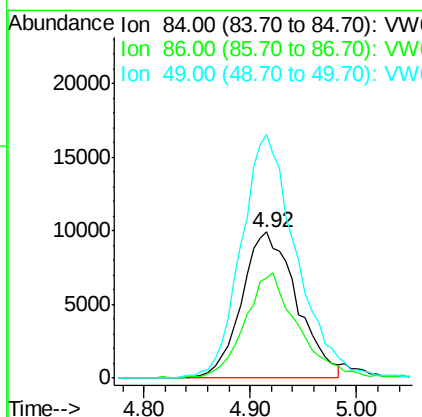
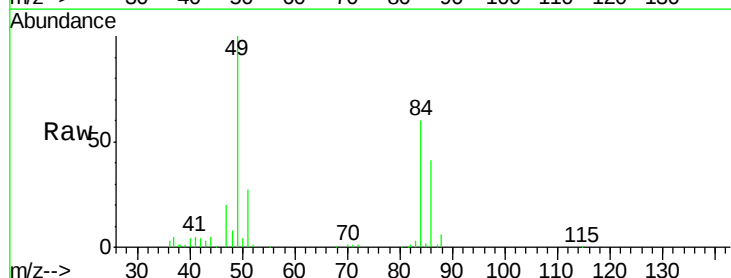
Manual Integrations
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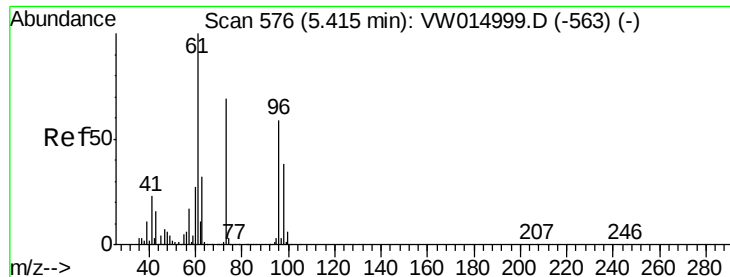
MMDadoda
2/19/2020 6:02:52 PM



#16
Methylene chloride
Concen: 2.891 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion: 84 Resp: 35839
Ion Ratio Lower Upper
84 100
86 68.3 44.4 82.4
49 166.7 109.0 202.4





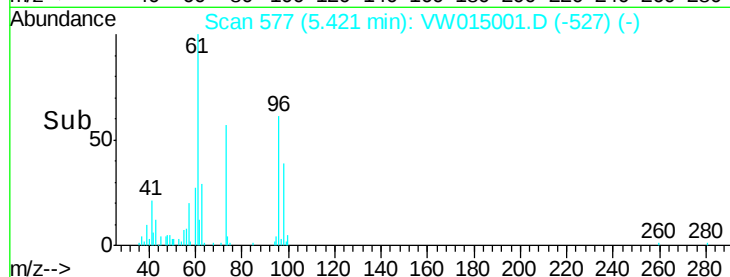
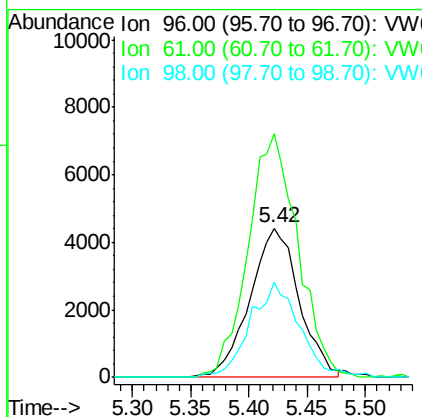
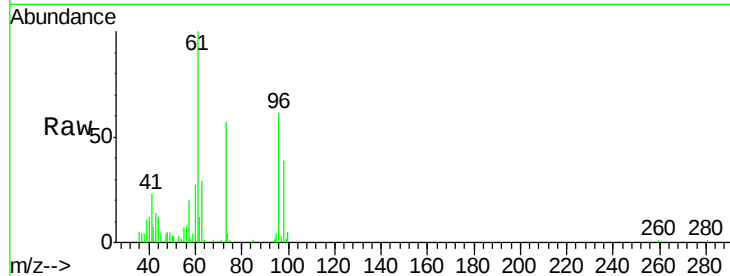
#17
trans-1,2-Dichloroethene
Concen: 1.286 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	120.1	223.1
98	63.6	43.8	81.3

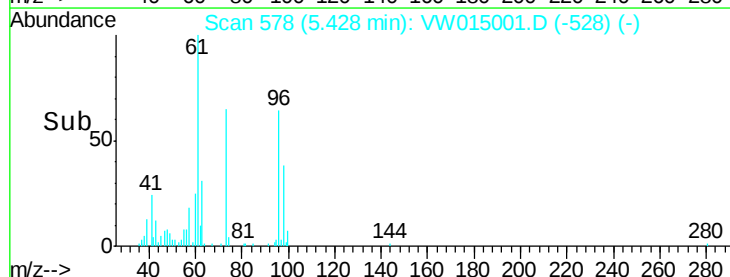
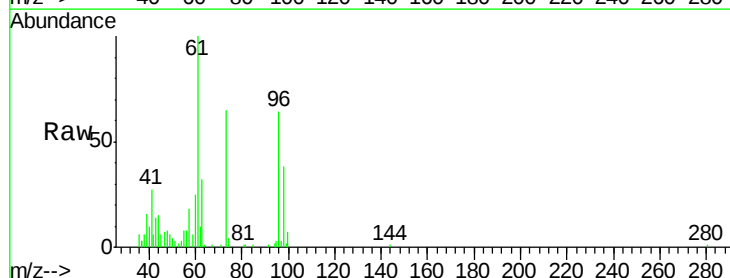
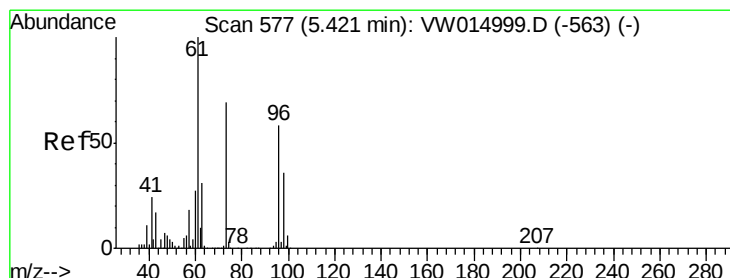
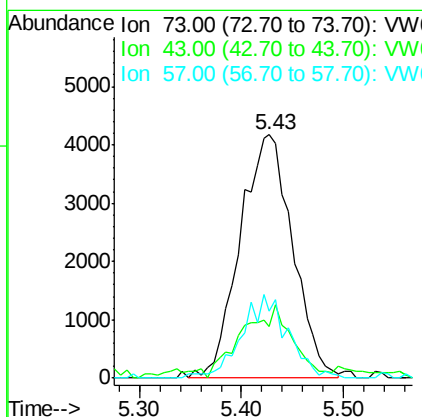
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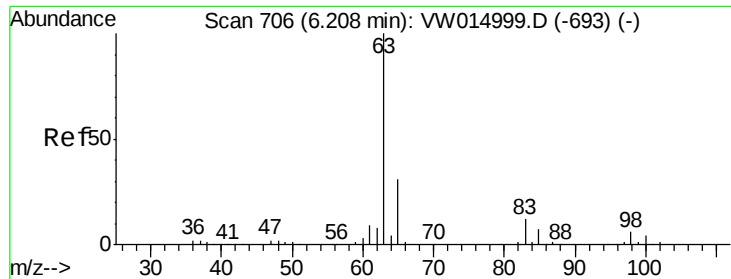
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#18
Methyl tert-butyl Ether
Concen: 1.200 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.7	19.6	29.4#
57	20.7	21.0	31.4#





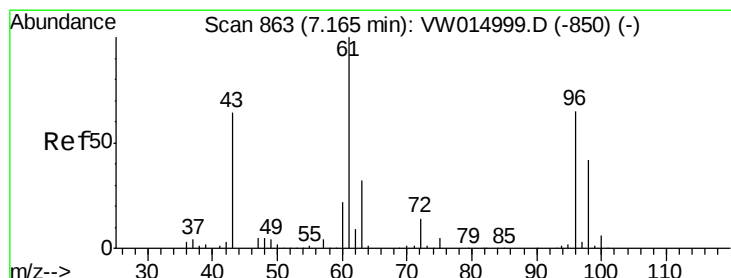
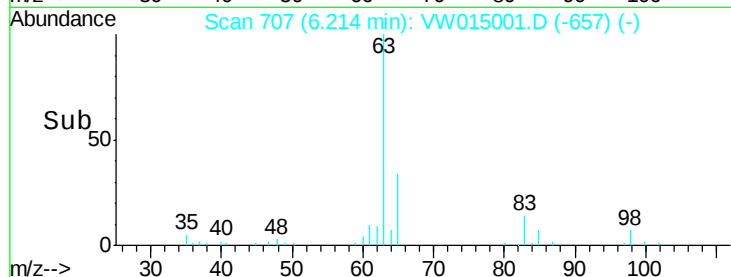
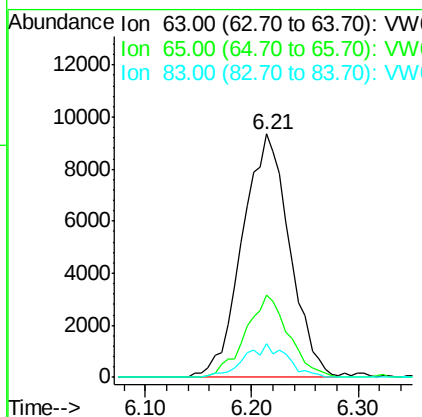
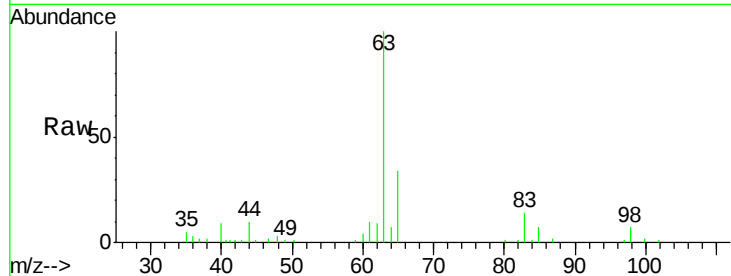
#19
 1,1-Dichloroethane
 Concen: 1.292 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion:	63	Resp:	29119
Ion	Ratio	Lower	Upper
63	100		
65	33.6	20.9	38.7
83	13.8	7.8	14.6

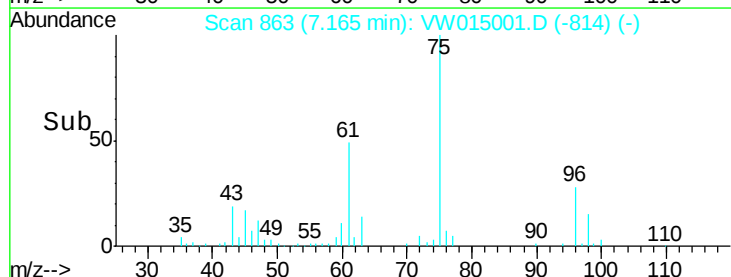
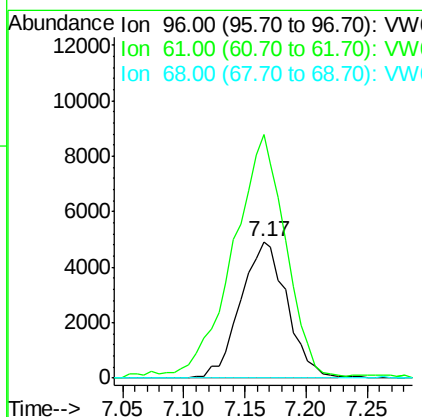
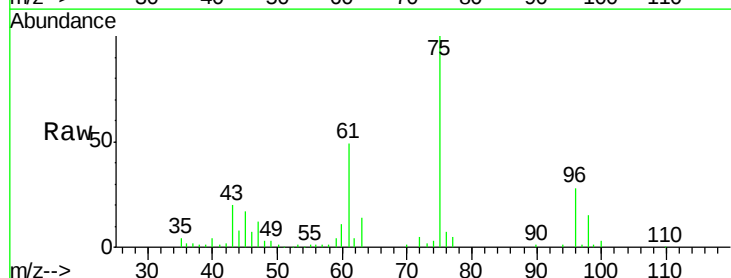
Manual Integrations
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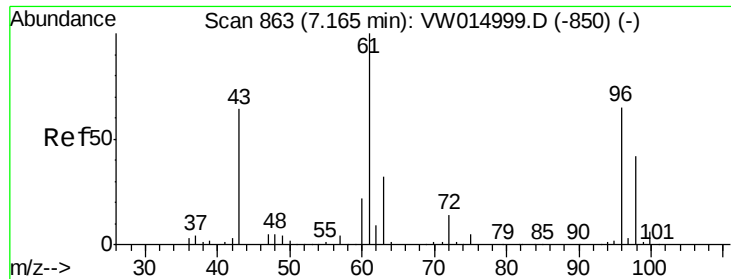
MMDadoda
 2/19/2020 6:02:52 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.244 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion:	96	Resp:	12941
Ion	Ratio	Lower	Upper
96	100		
61	178.6	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.326 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 43 Resp: 15720

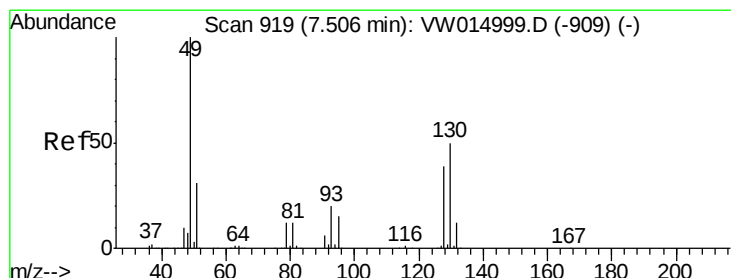
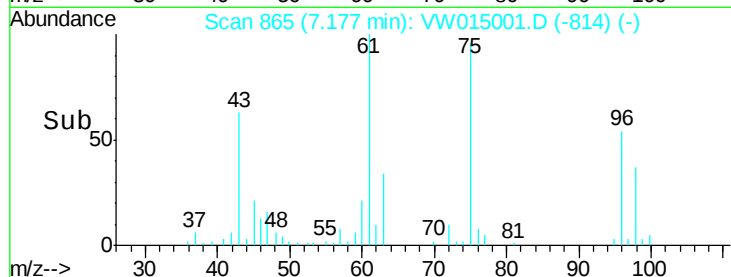
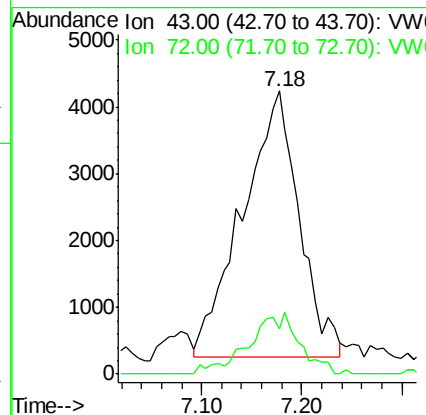
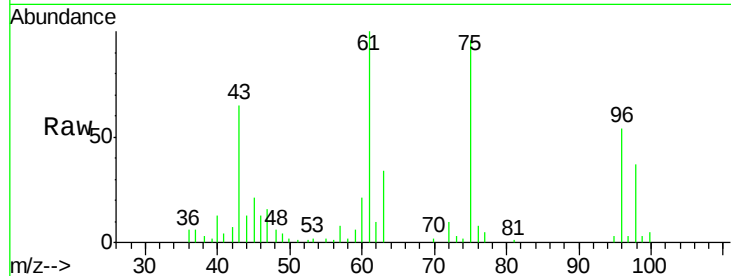
Ion Ratio Lower Upper

43 100

72 0.3 11.1 33.1#

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#23

Bromochloromethane

Concen: 1.357 ug/L

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Tgt Ion: 128 Resp: 5725

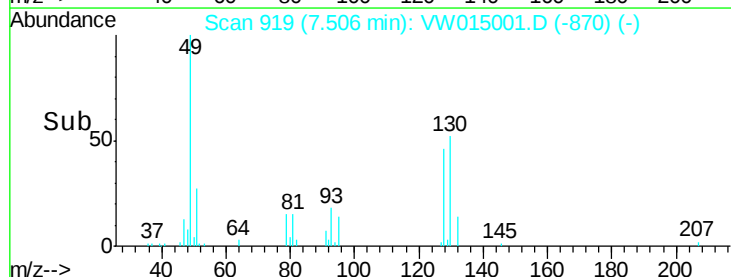
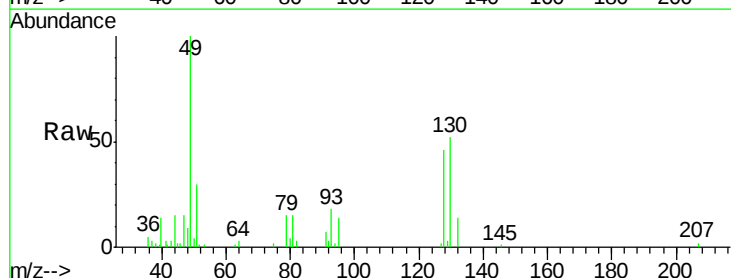
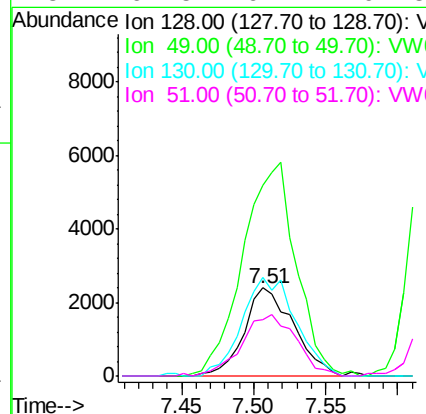
Ion Ratio Lower Upper

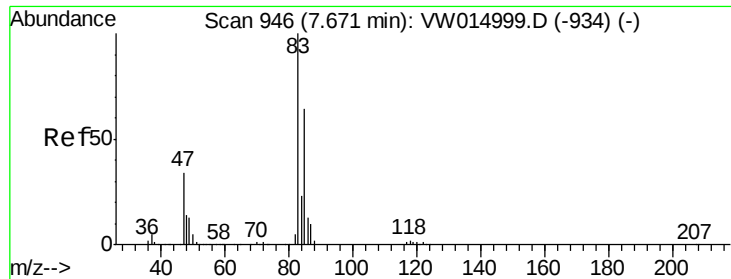
128 100

49 216.4 179.0 332.4

130 111.5 85.5 158.7

51 64.5 61.7 92.5





#25

Chloroform

Concen: 1.438 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 83 Resp: 28872

Ion Ratio Lower Upper

83 100

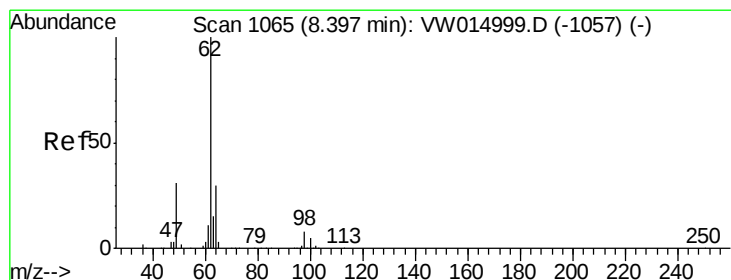
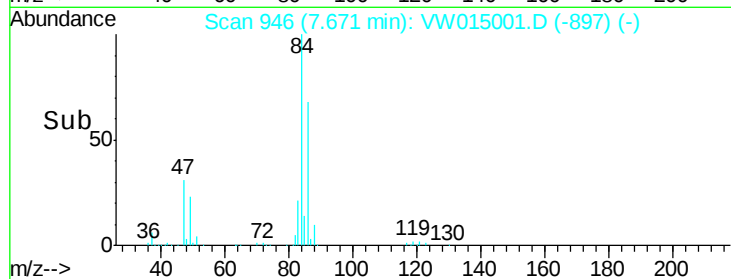
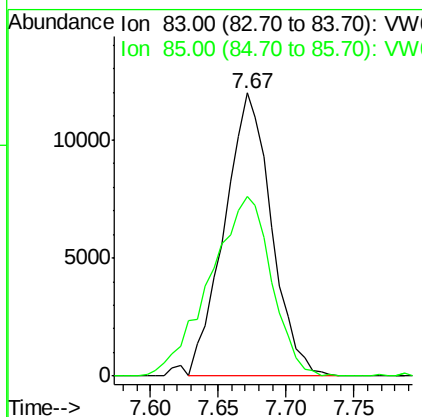
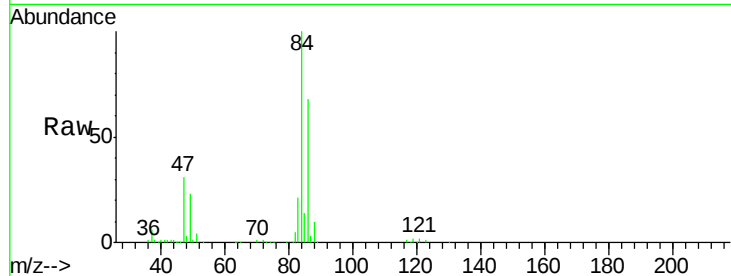
85 63.7 45.1 83.7

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2/19/2020 6:02:52 PM



#27

1,2-Dichloroethane

Concen: 1.414 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015001.D

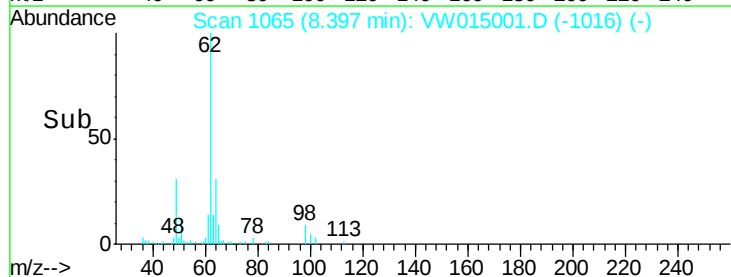
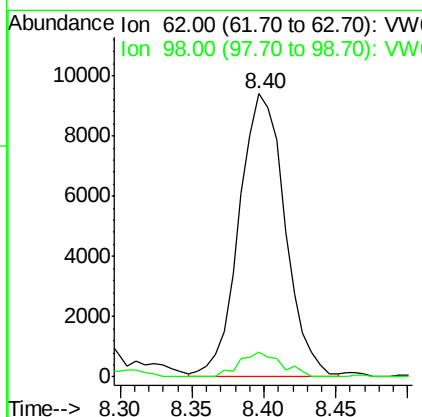
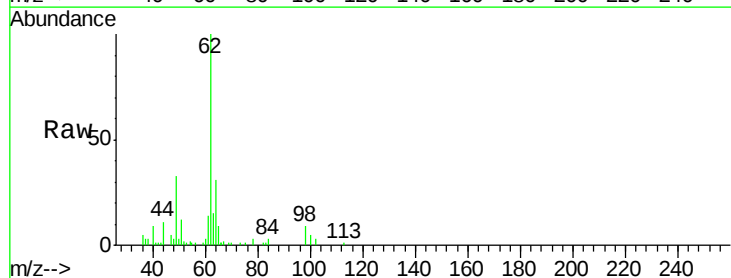
Acq: 17 Feb 2020 15:37

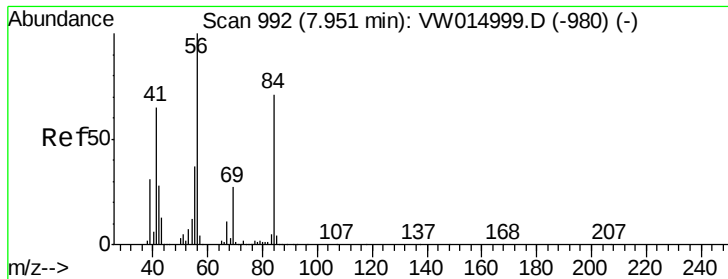
Tgt Ion: 62 Resp: 20871

Ion Ratio Lower Upper

62 100

98 8.8 6.2 9.4





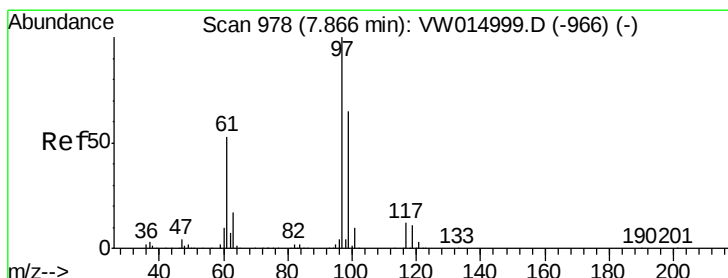
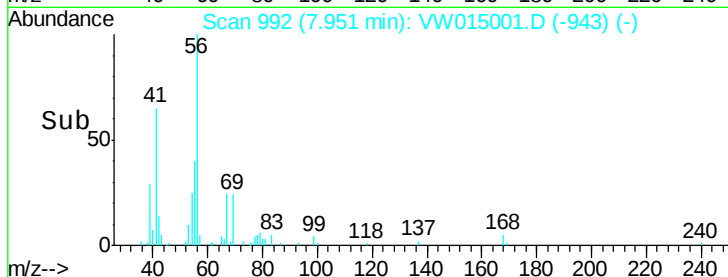
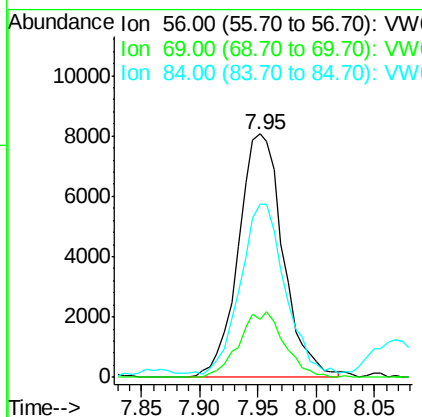
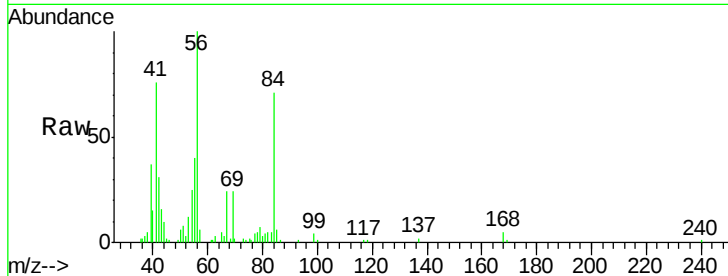
#29
Cyclohexane
Concen: 1.059 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	22.0	33.0
84	71.2	57.8	86.6

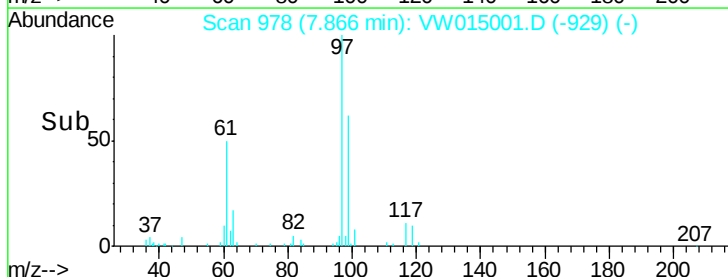
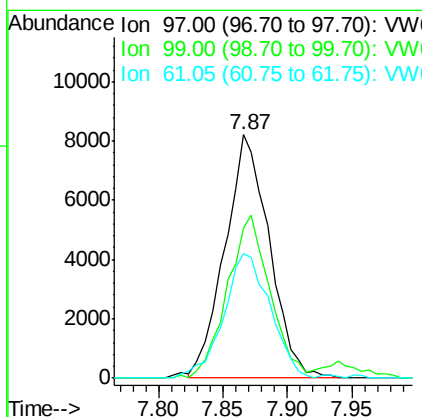
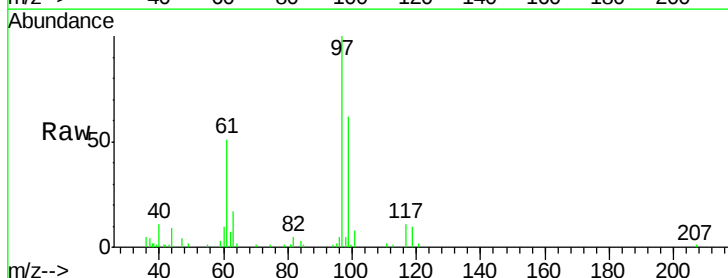
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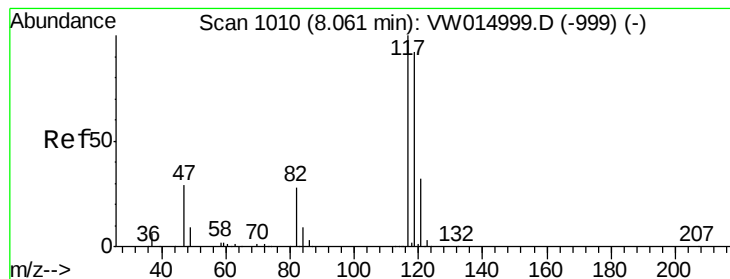
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.300 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	75.8
61	53.5	42.7	64.1





#31

Carbon tetrachloride

Concen: 1.300 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion:117 Resp: 17752

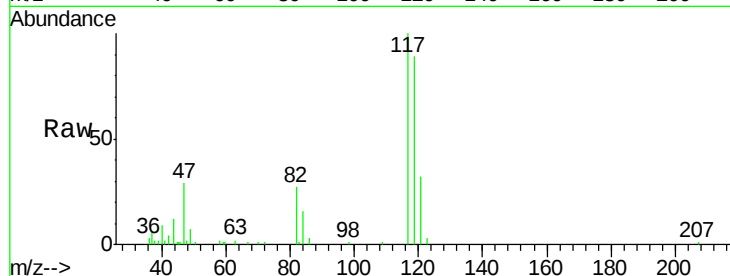
Ion Ratio Lower Upper

117 100

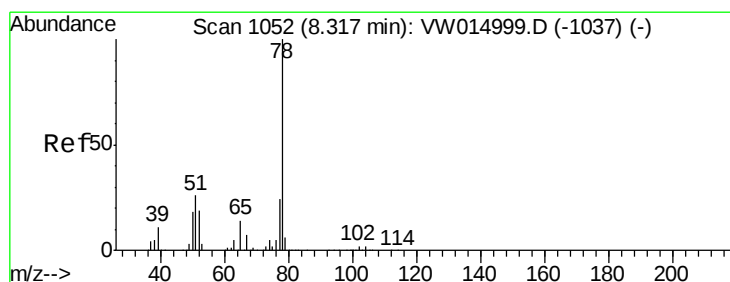
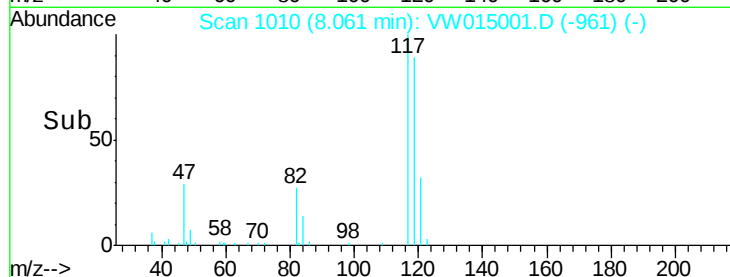
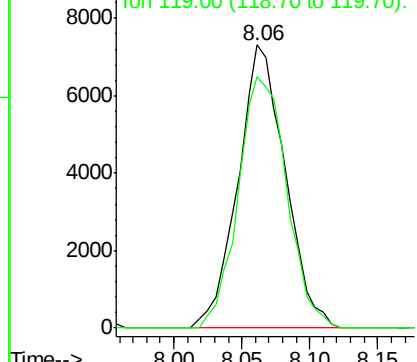
119 91.6 76.6 114.8

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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: 1.333 ug/L

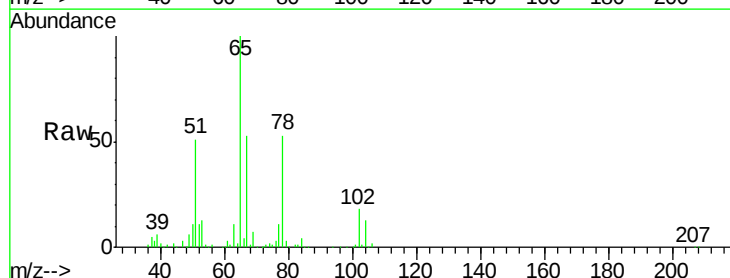
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

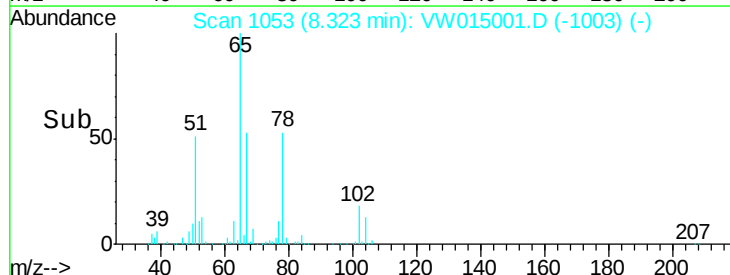
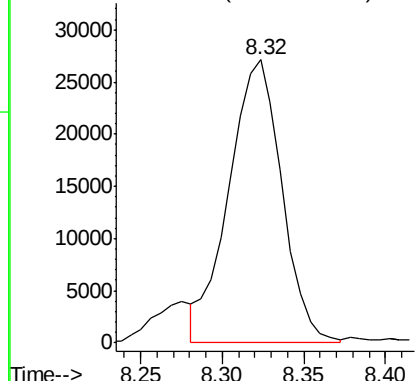
Lab File: VW015001.D

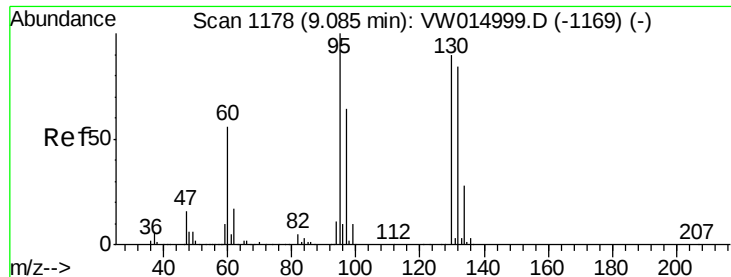
Acq: 17 Feb 2020 15:37

Tgt Ion: 78 Resp: 60961



Abundance Ion 78.00 (77.70 to 78.70): VW





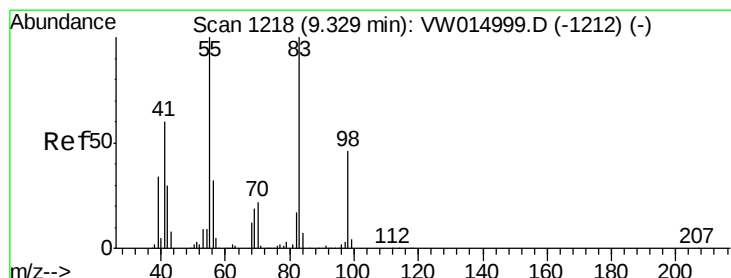
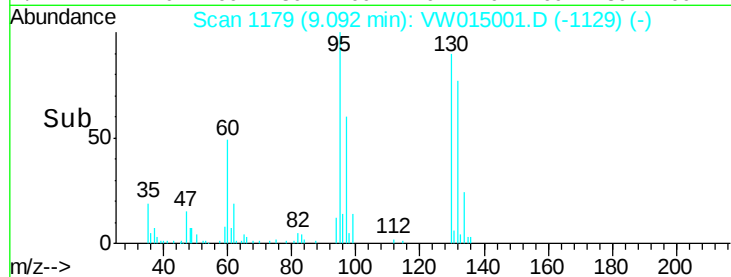
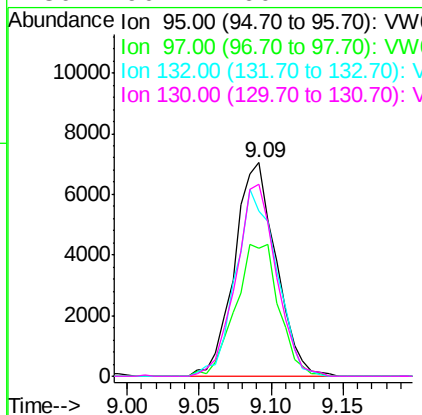
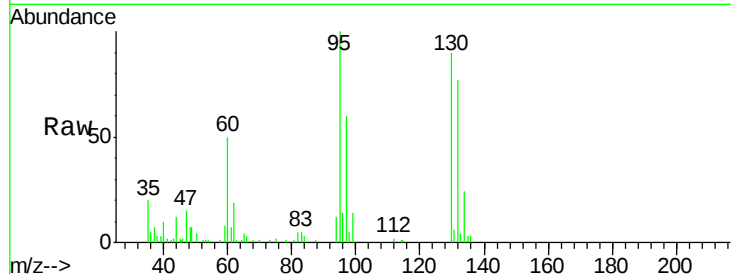
#34
 Trichloroethene
 Concen: 1.292 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		14156		
97	60.1		44.2	82.0	
132	77.3		56.1	104.3	
130	90.2		60.1	111.7	

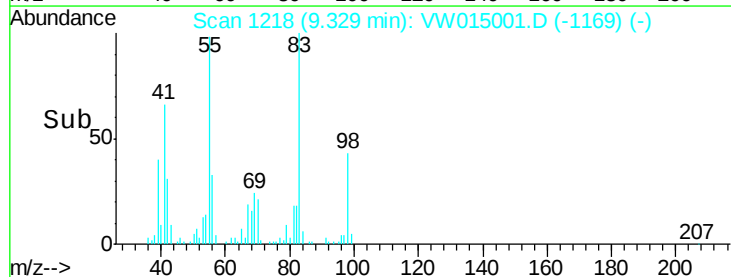
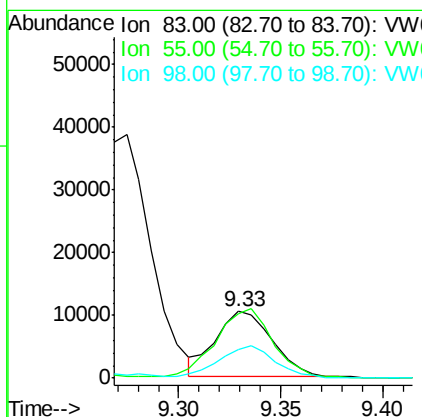
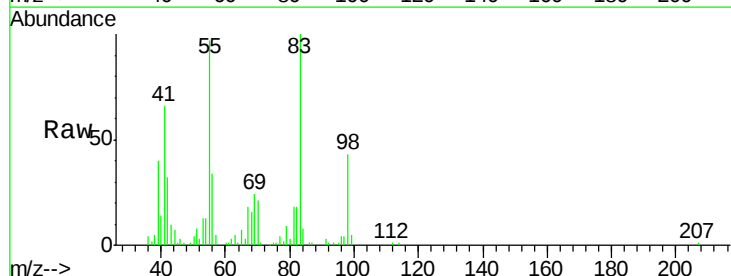
Manual Integrations
 APPROVED

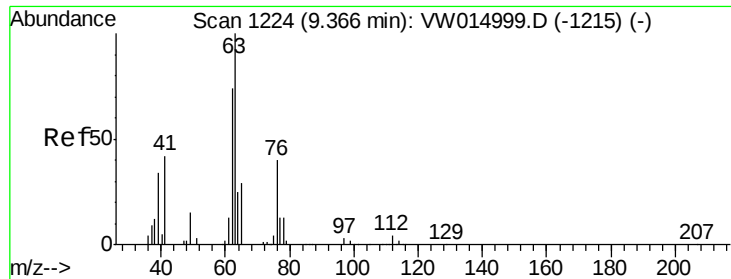
MMDadoda
 2/19/2020 6:02:52 PM



#35
 Methylcyclohexane
 Concen: 1.050 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		19828		
55	111.1		76.3	114.5	
98	49.5		36.4	54.6	





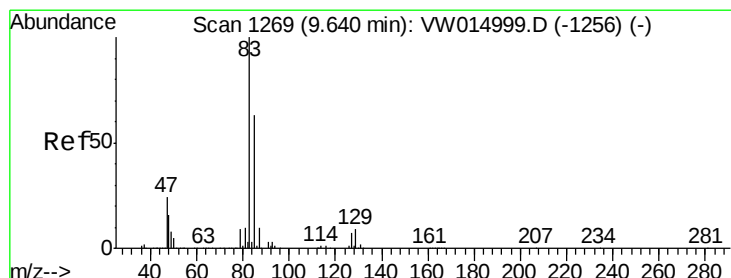
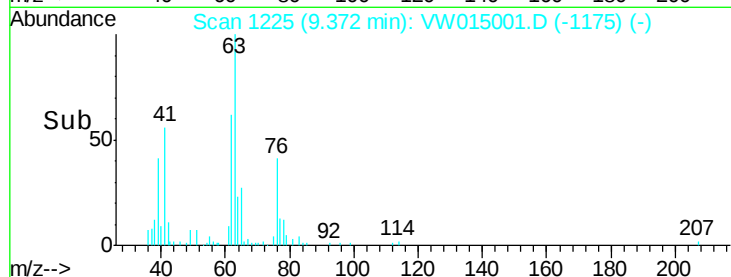
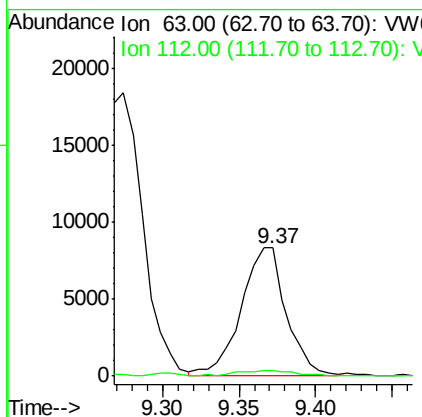
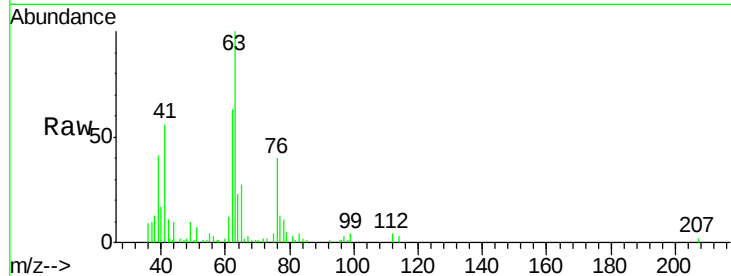
#37
 1,2-Dichloropropane
 Concen: 1.345 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
112	5.4	2.6	4.0#

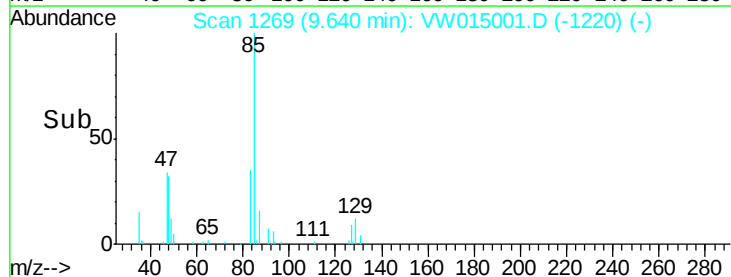
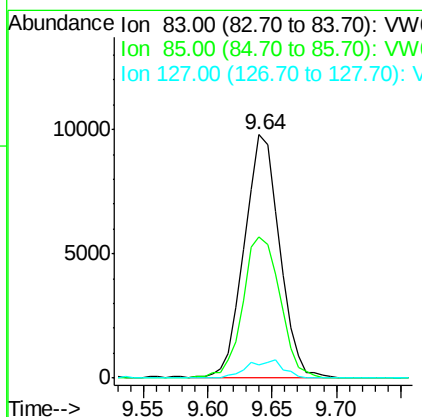
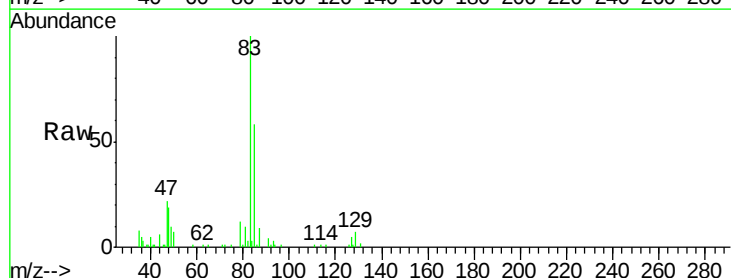
Manual Integrations
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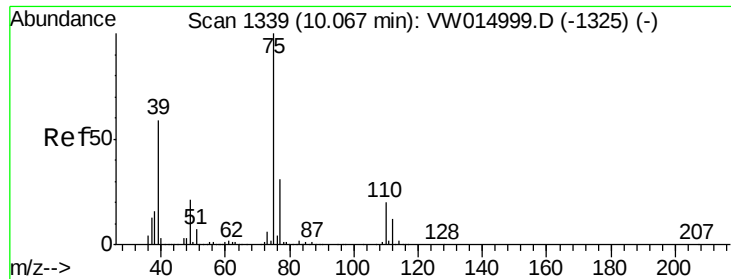
MMDadoda
 2/19/2020 6:02:52 PM



#38
 Bromodichloromethane
 Concen: 1.294 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.8	45.2	84.0
127	5.4	5.5	8.3#





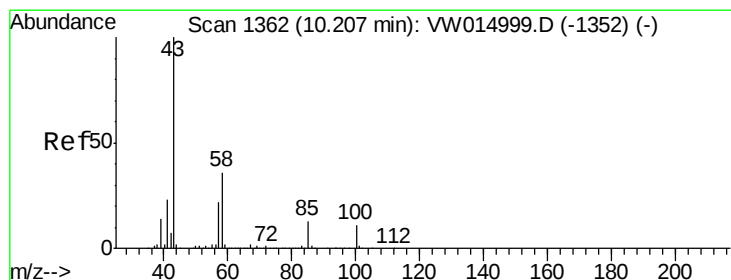
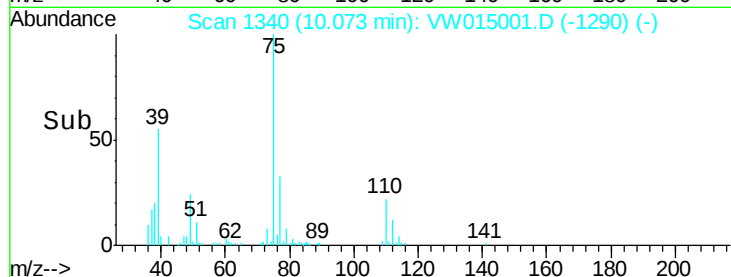
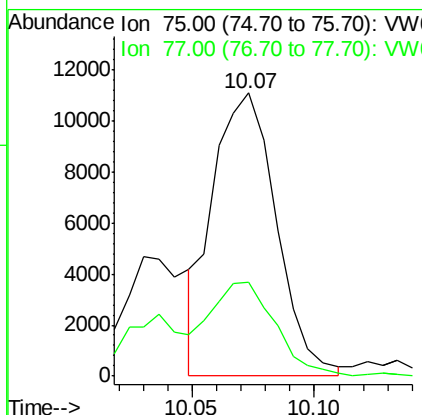
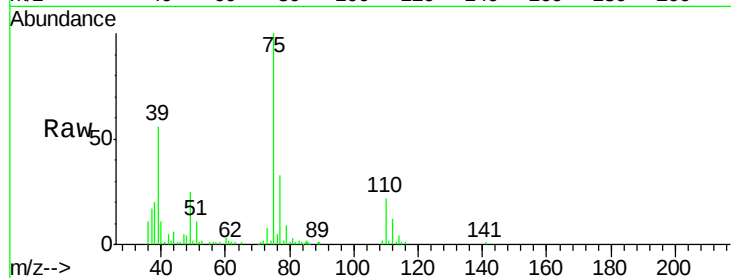
#39
 cis-1,3-Dichloropropene
 Concen: 1.172 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 20032
 Ion Ratio Lower Upper
 75 100
 77 33.2 21.6 40.2

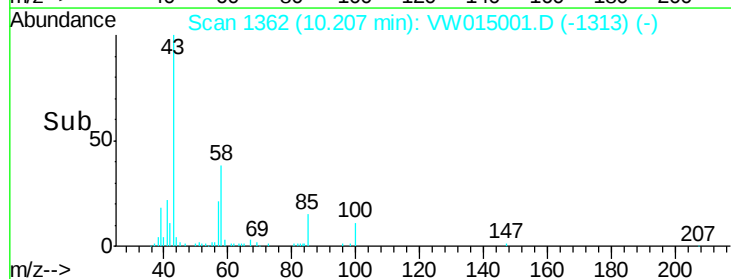
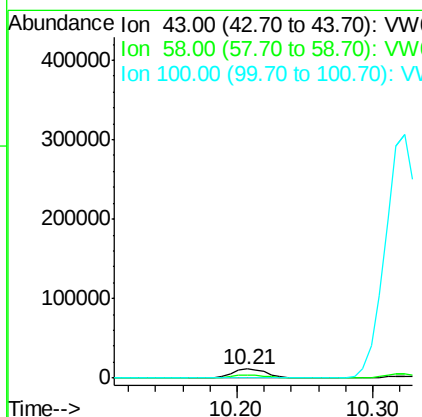
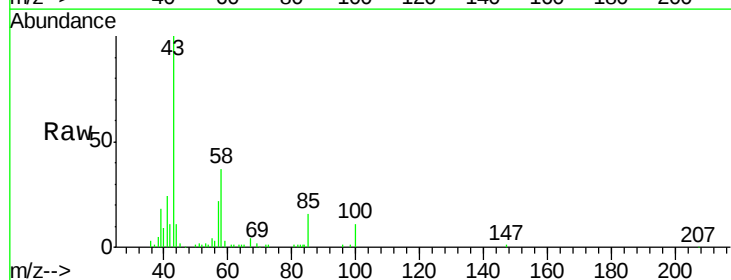
Manual Integrations
 APPROVED

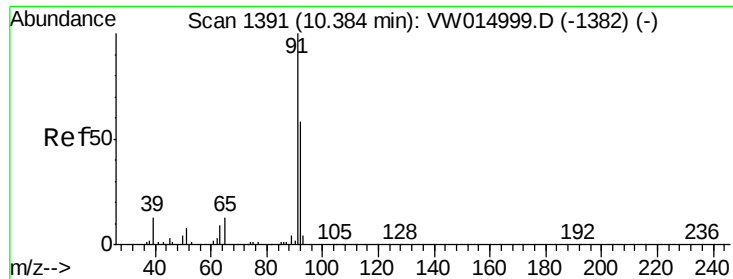
MMDadoda
 2/19/2020 6:02:52 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.360 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion: 43 Resp: 21465
 Ion Ratio Lower Upper
 43 100
 58 32.4 27.7 41.5
 100 11.3 8.6 13.0





#42

Toluene

Concen: 1.303 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 91 Resp: 57564

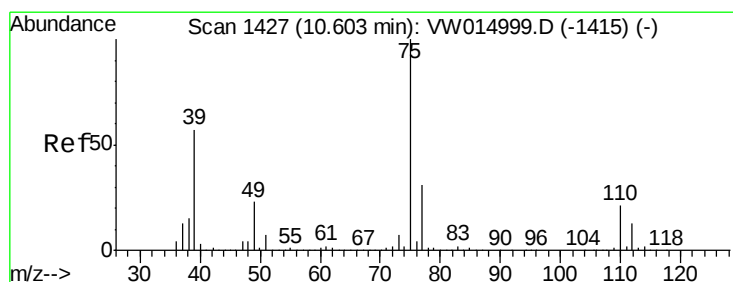
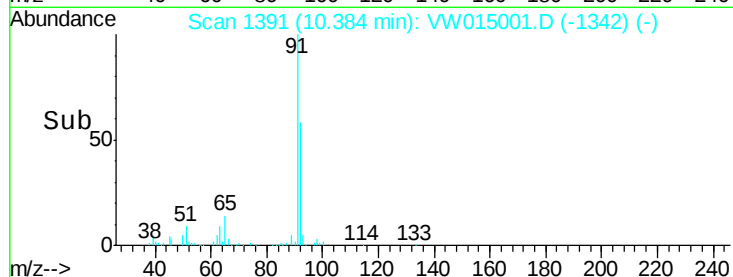
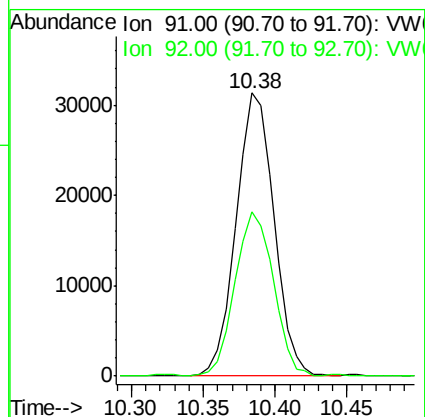
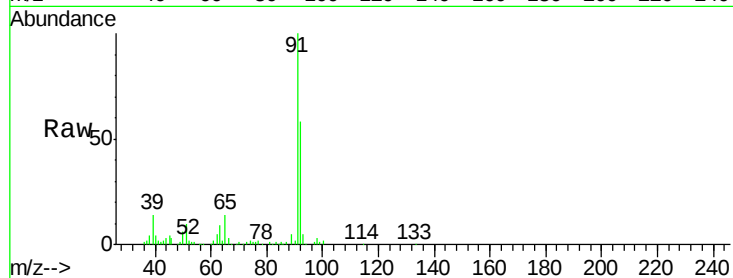
Ion Ratio Lower Upper

91 100

92 58.1 39.5 73.3

Manual Integrations
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2/19/2020 6:02:52 PM



#44

trans-1,3-Dichloropropene

Concen: 1.347 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015001.D

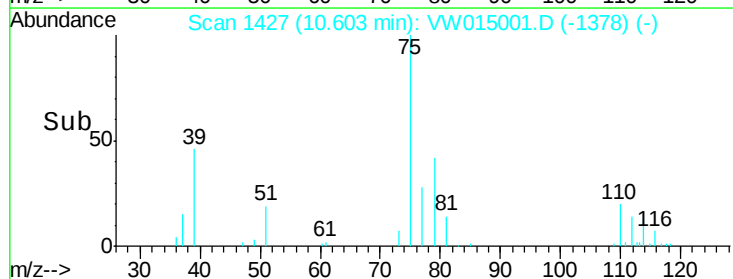
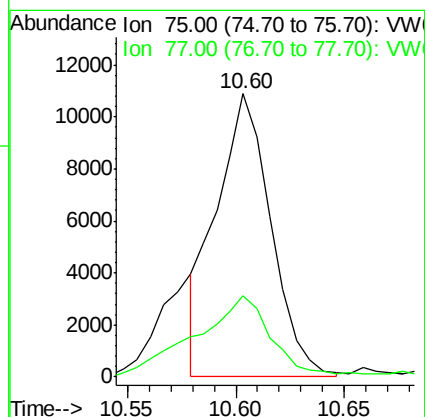
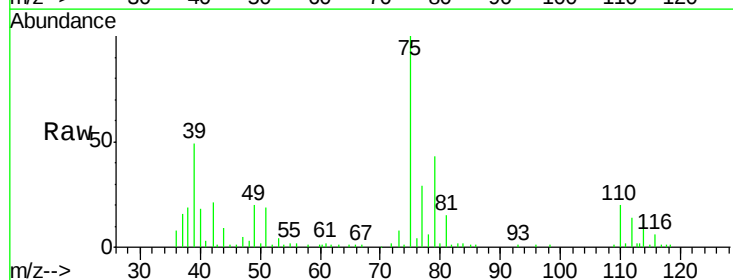
Acq: 17 Feb 2020 15:37

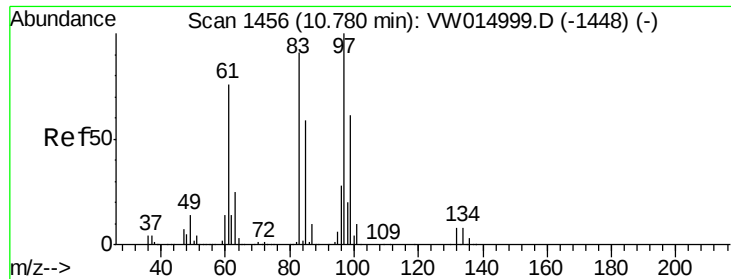
Tgt Ion: 75 Resp: 19095

Ion Ratio Lower Upper

75 100

77 28.6 22.7 42.1





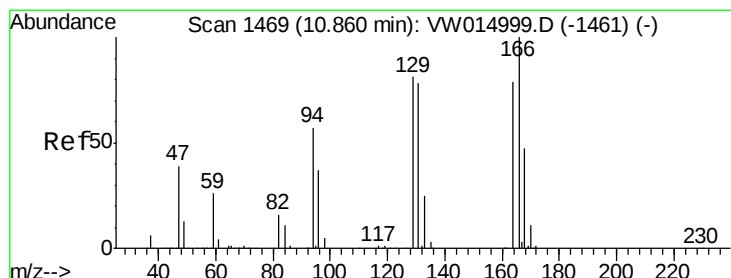
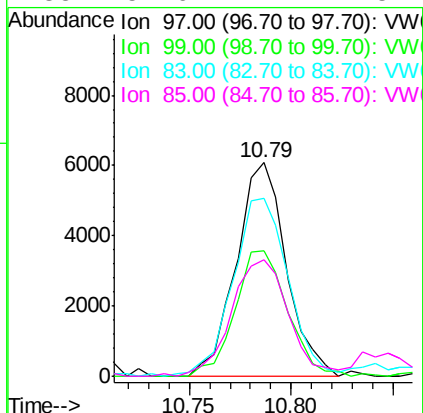
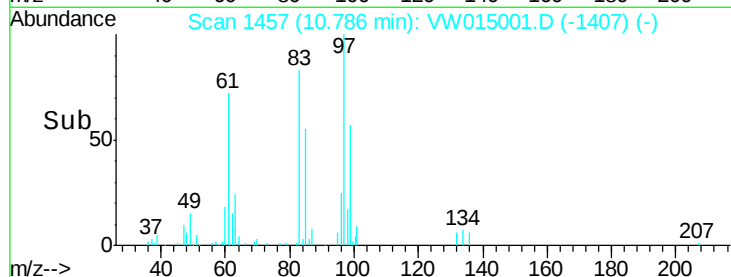
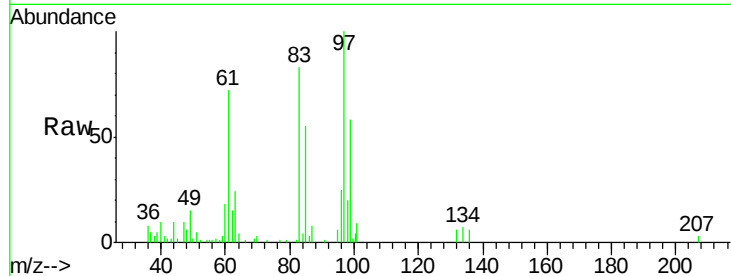
#45
 1,1,2-Trichloroethane
 Concen: 1.337 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion:	97	Resp:	10359
Ion	Ratio	Lower	Upper
97	100		
99	58.5	44.2	82.0
83	83.2	64.1	119.1
85	54.6	42.1	78.1

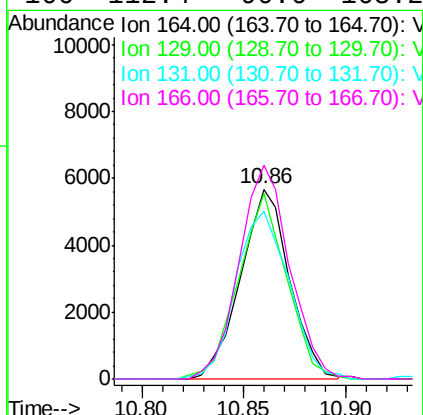
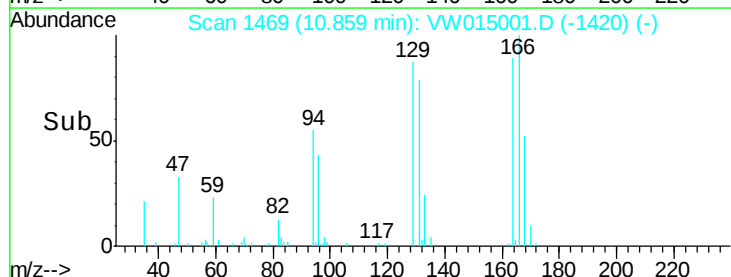
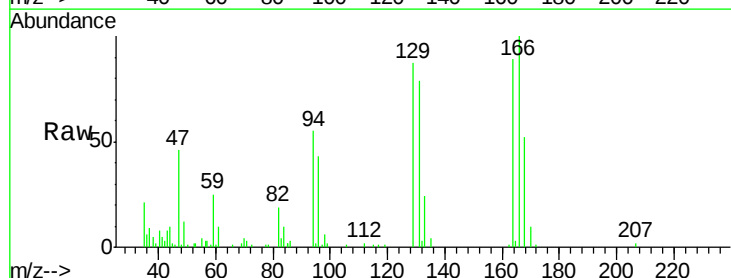
Manual Integrations
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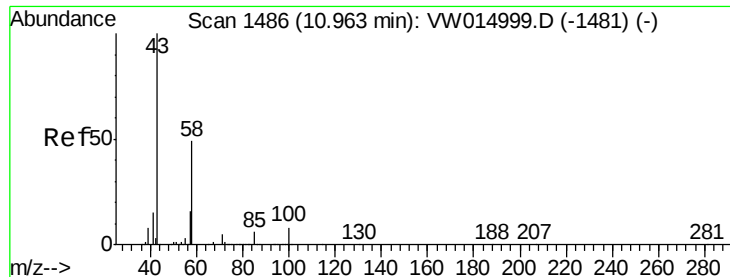
MMDadoda
 2/19/2020 6:02:52 PM



#46
 Tetrachloroethene
 Concen: 1.335 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion:	164	Resp:	9497
Ion	Ratio	Lower	Upper
164	100		
129	97.8	72.2	134.2
131	88.4	68.1	126.5
166	112.4	90.6	168.2





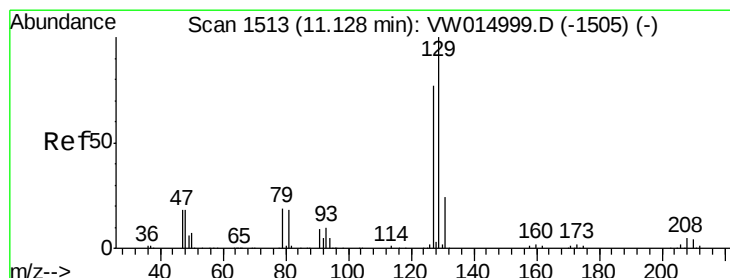
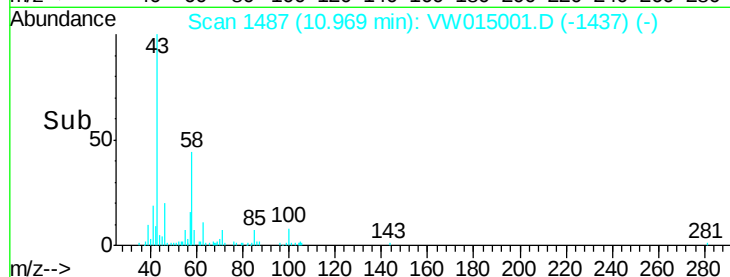
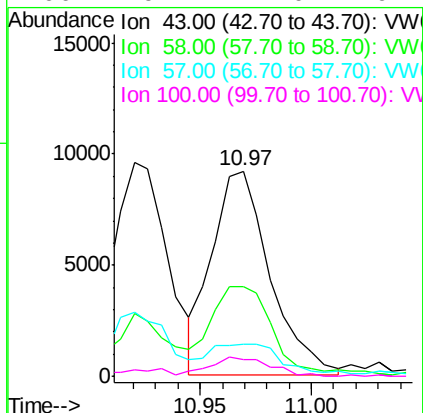
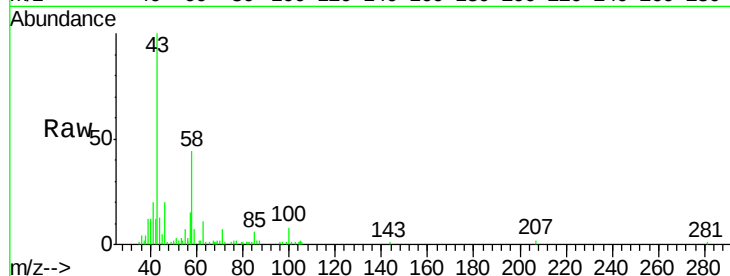
#48
2-Hexanone
Concen: 2.516 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.8	39.2	58.8
57	3.0	13.1	19.7
100	9.7	7.0	10.4

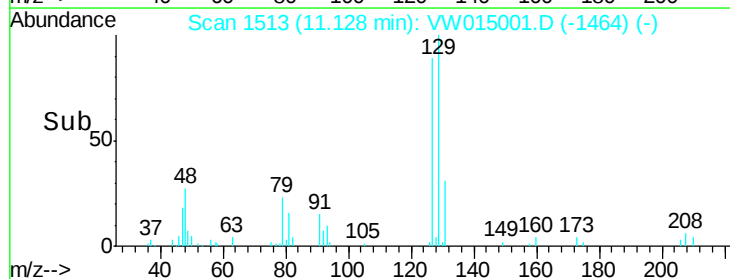
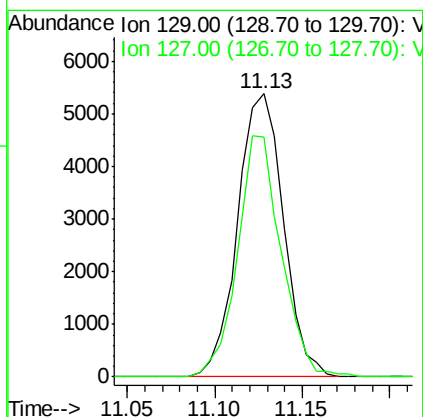
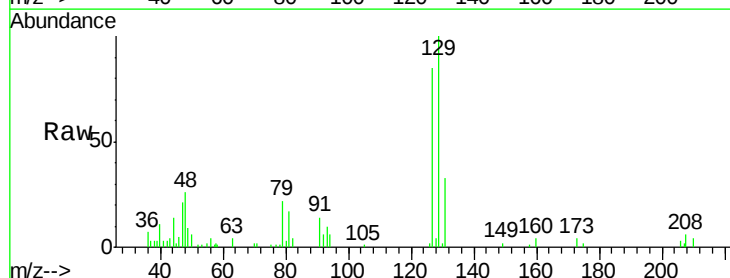
Manual Integrations
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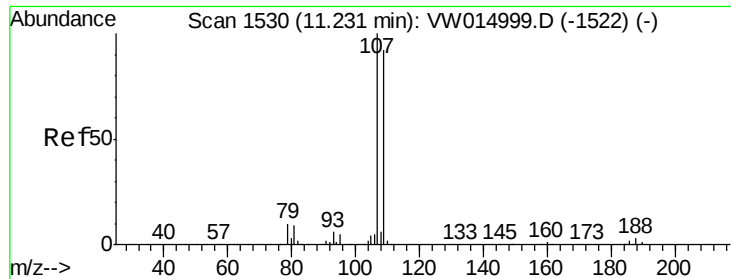
MMDadoda
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#49
Dibromochloromethane
Concen: 1.213 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	84.9	53.0	98.4





#50

1,2-Dibromoethane

Concen: 1.226 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

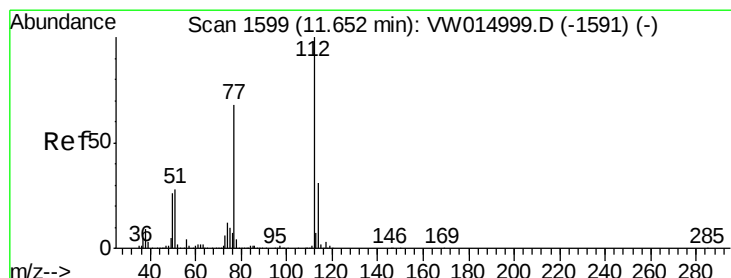
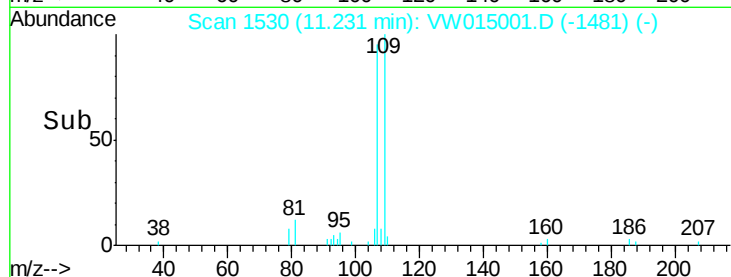
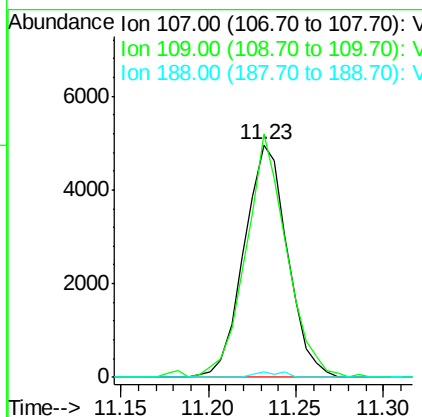
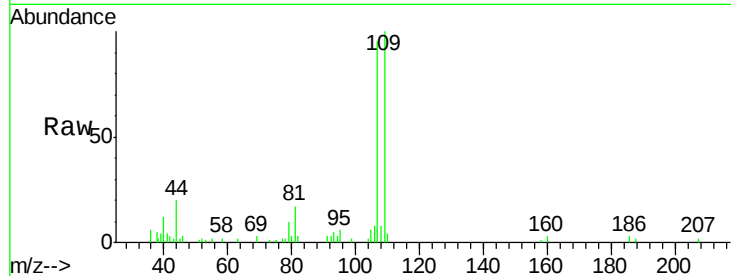
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	104.8	65.1	120.9
188	2.3	2.4	3.6#

Manual Integrations
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MMDadoda
2/19/2020 6:02:52 PM



#51

Chlorobenzene

Concen: 1.268 ug/L

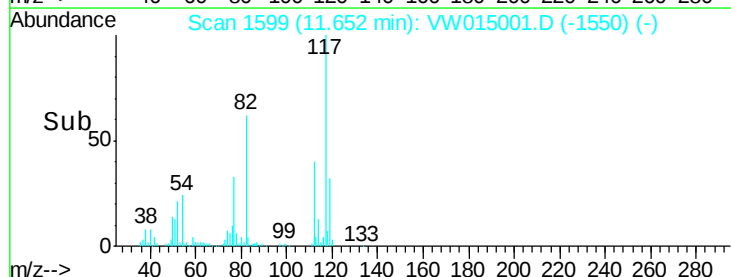
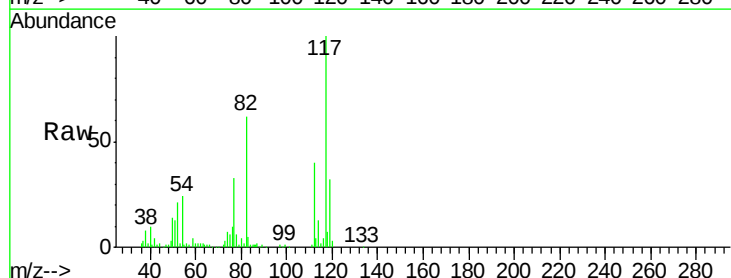
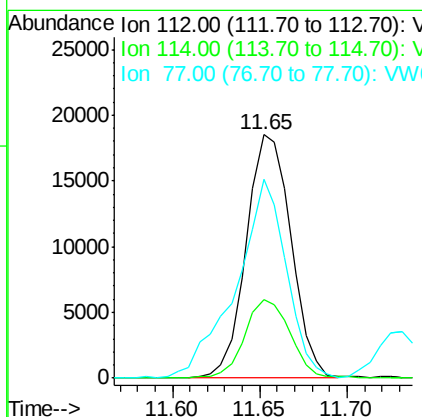
RT: 11.65 min Scan# 1599

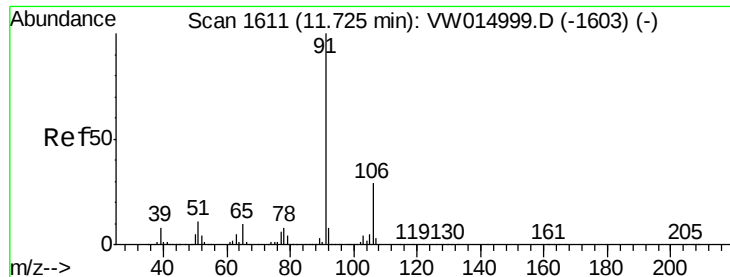
Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.6	42.0
77	81.9	54.6	82.0





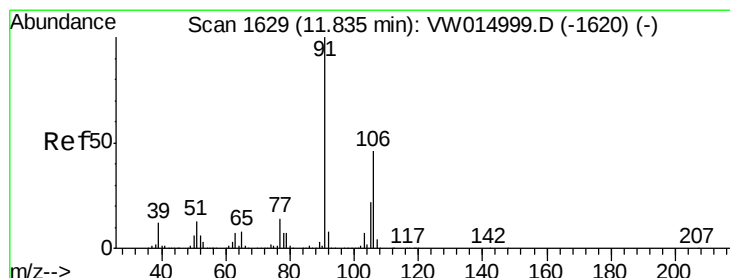
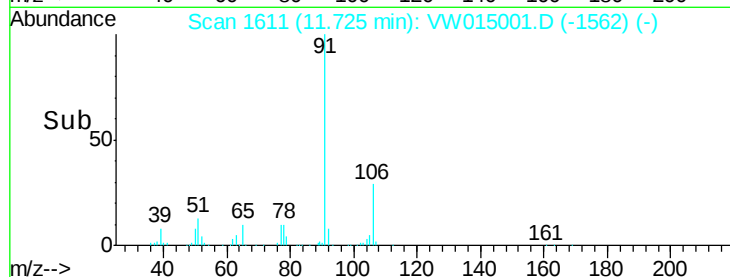
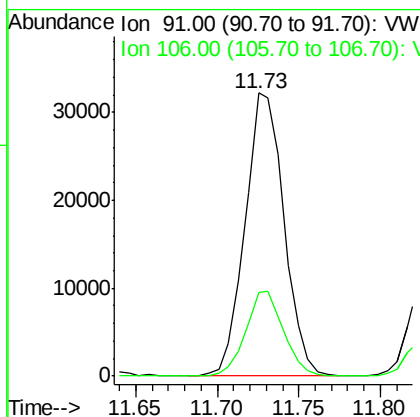
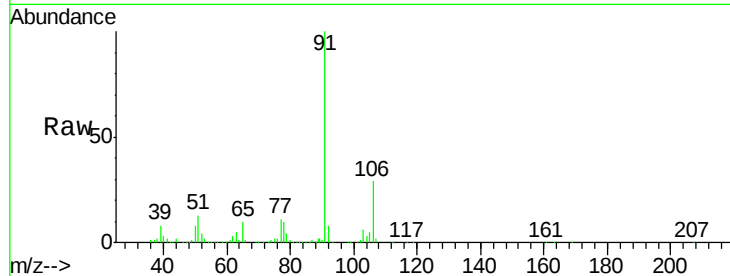
#52
Ethylbenzene
Concen: 1.116 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion: 91 Resp: 53717
Ion Ratio Lower Upper
91 100
106 29.4 20.2 37.4

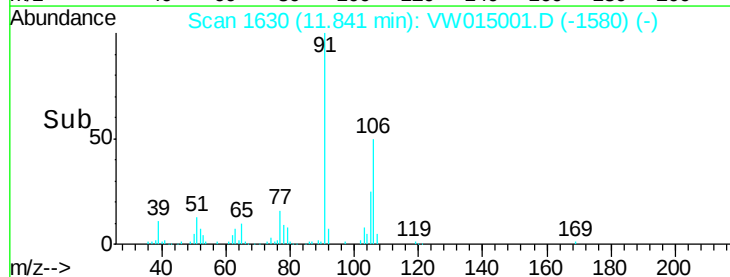
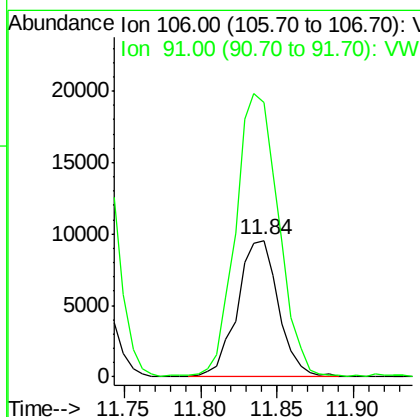
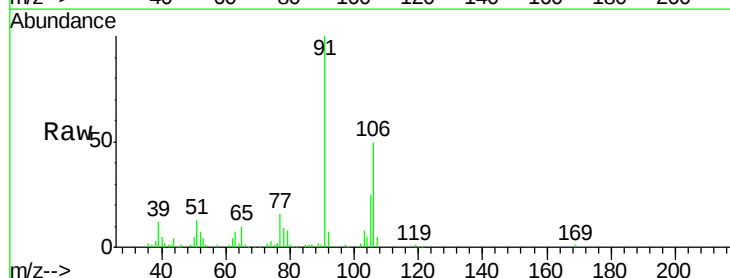
Manual Integrations
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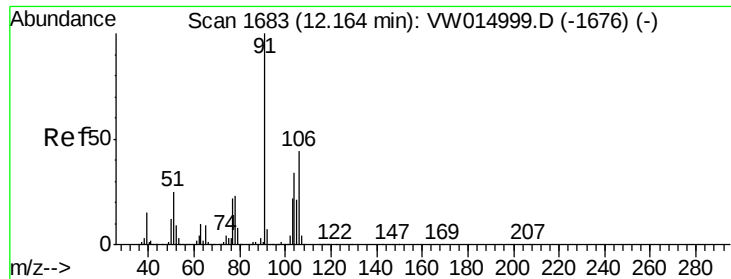
MMDadoda
2/19/2020 6:02:52 PM



#53
m,p-Xylene
Concen: 1.053 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion: 106 Resp: 17792
Ion Ratio Lower Upper
106 100
91 201.0 149.2 277.2





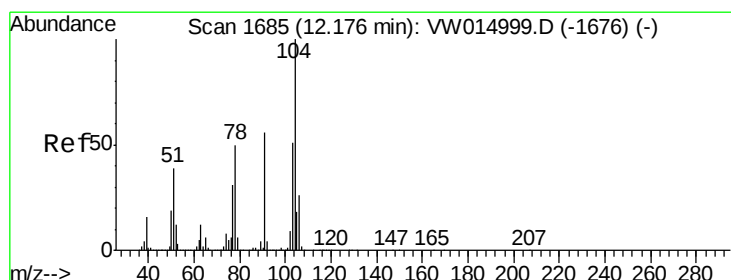
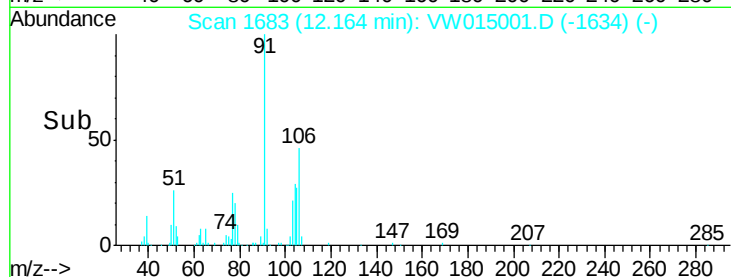
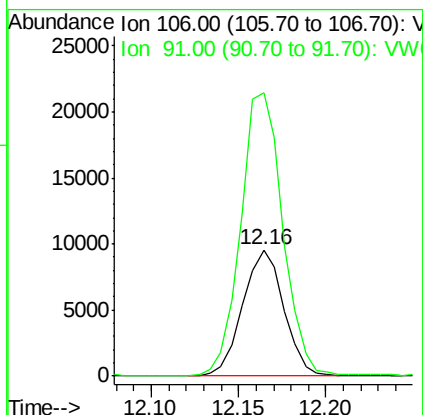
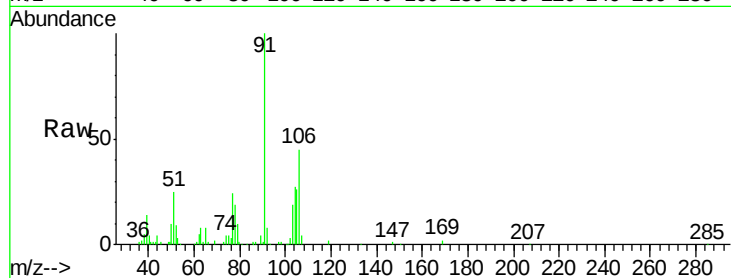
#54
o-Xylene
Concen: 0.994 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion:106 Resp: 15764
Ion Ratio Lower Upper
106 100
91 224.4 163.7 304.1

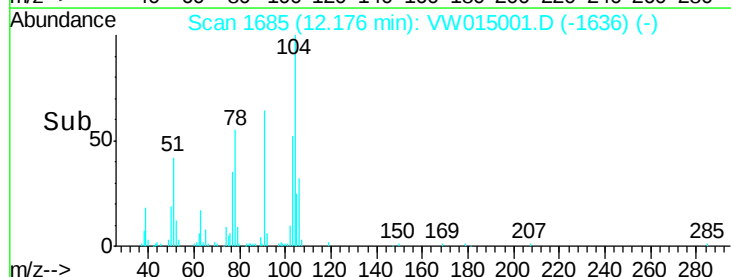
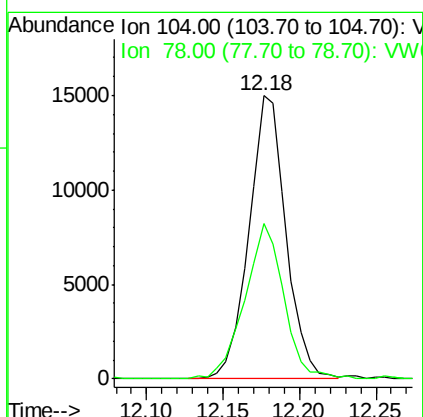
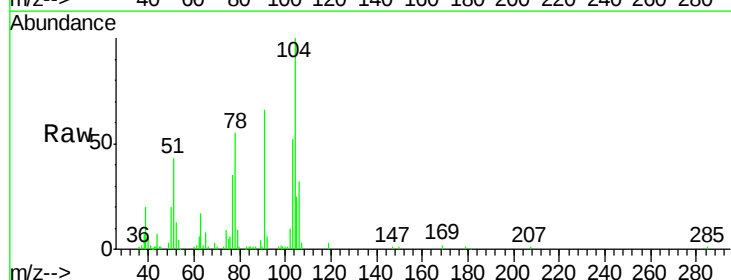
Manual Integrations
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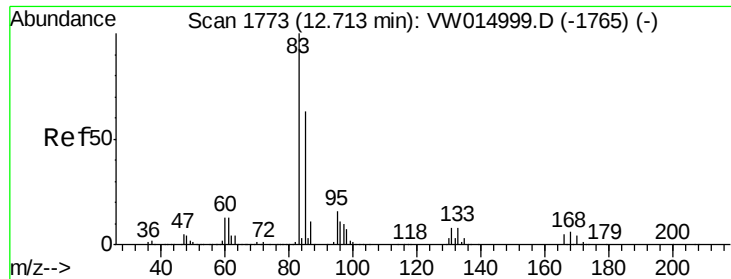
MMDadoda
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#55
Styrene
Concen: 0.923 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion:104 Resp: 25224
Ion Ratio Lower Upper
104 100
78 54.9 36.8 68.4





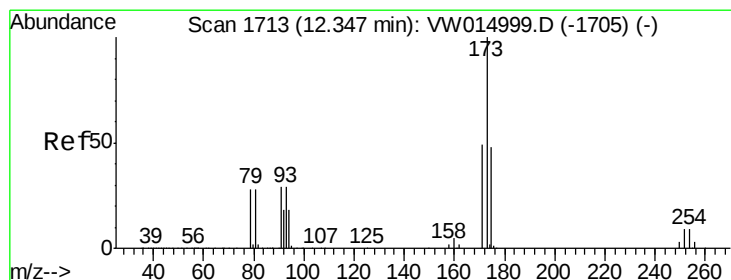
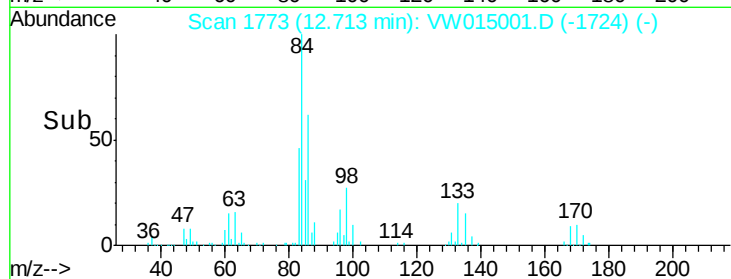
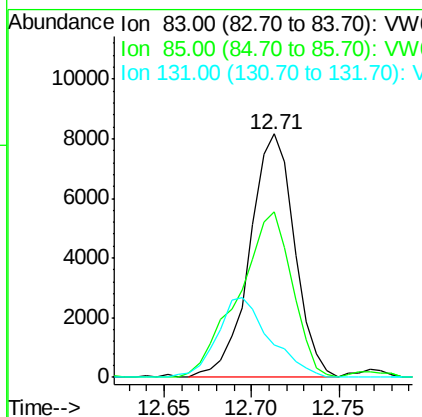
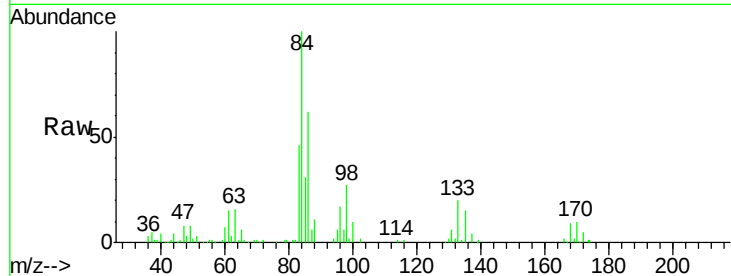
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.398 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	83	Resp	14498
Ion Ratio	100	Lower	Upper
85	67.9	44.9	83.5
131	13.6	6.2	9.2#

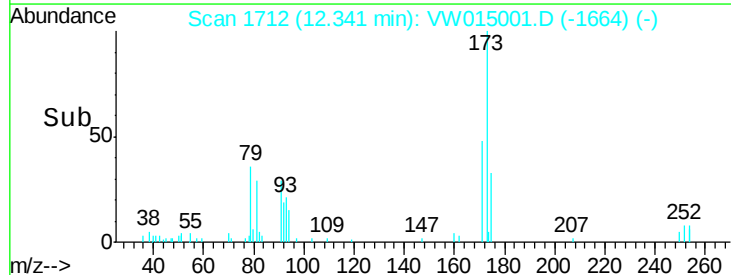
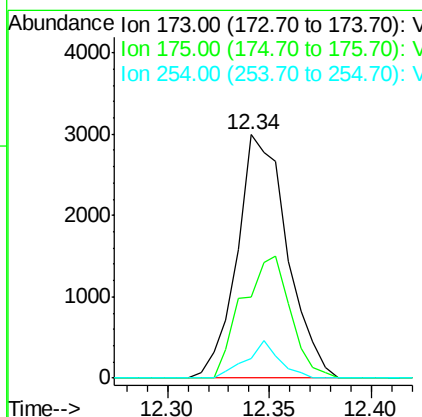
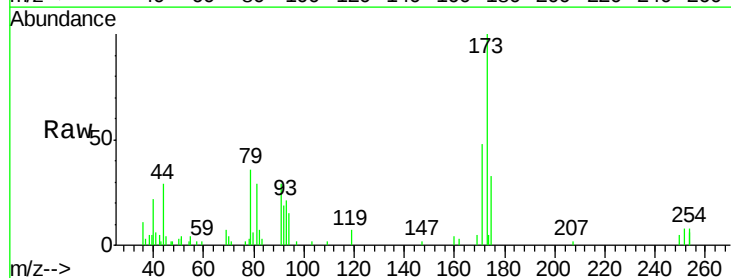
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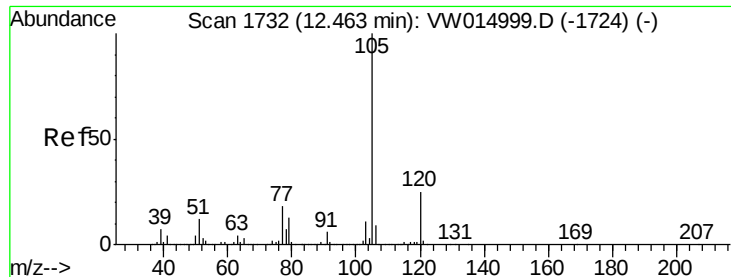
MMDadoda
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#59
 Bromoform
 Concen: 1.353 ug/L
 RT: 12.34 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion	173	Resp	5102
Ion Ratio	100	Lower	Upper
175	48.5	39.0	58.4
254	10.2	7.1	10.7





#60

Isopropylbenzene

Concen: 1.093 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Instrument :

MSVOA_W

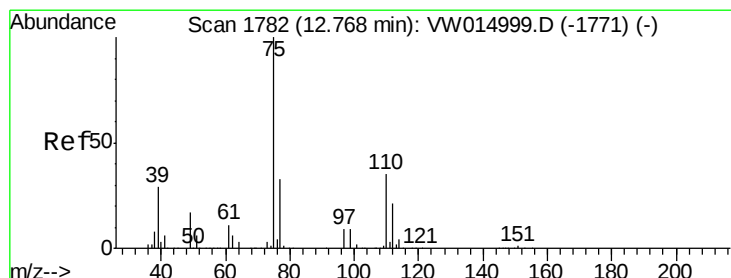
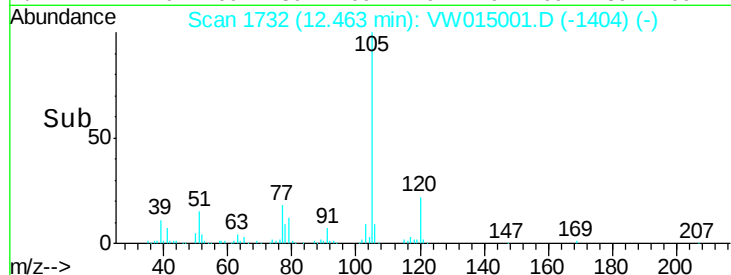
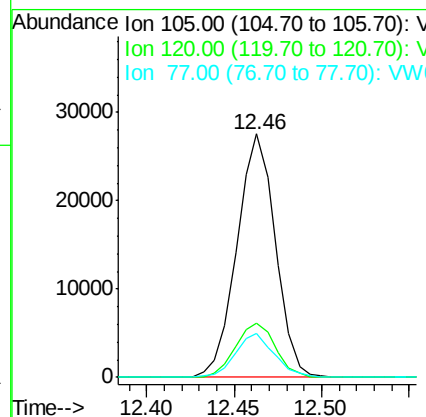
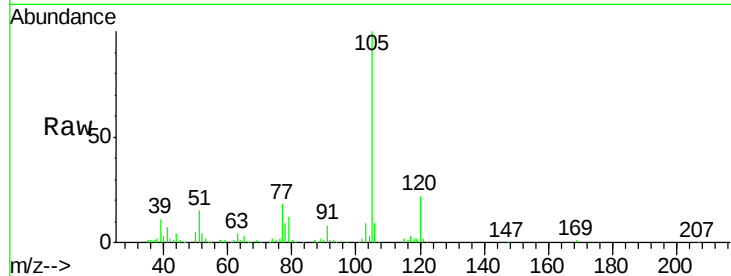
ClientSampled :

MDL07

Tot Ion:	105	Resp:	42168
Ion Ratio	Lower	Upper	
105	100		
120	23.3	20.1	30.1
77	18.2	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 1.437 ug/L

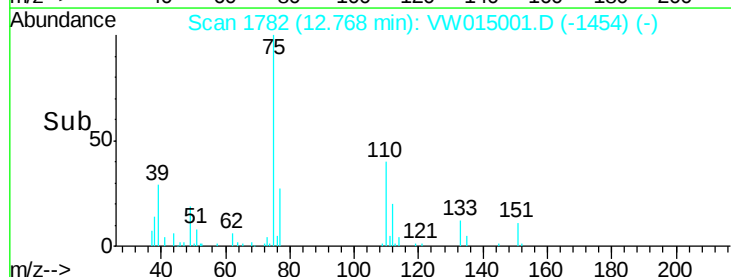
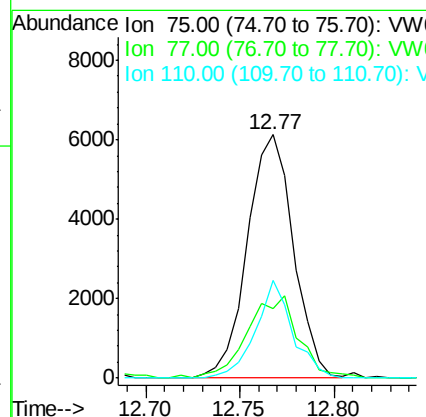
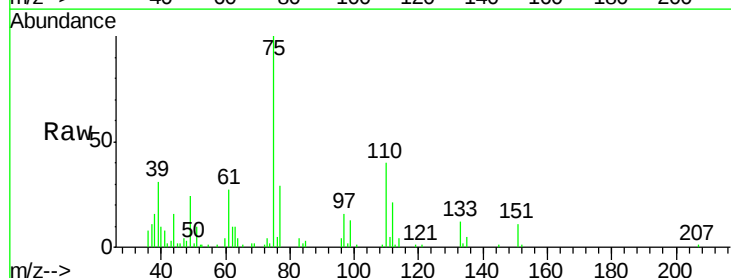
RT: 12.77 min Scan# 1782

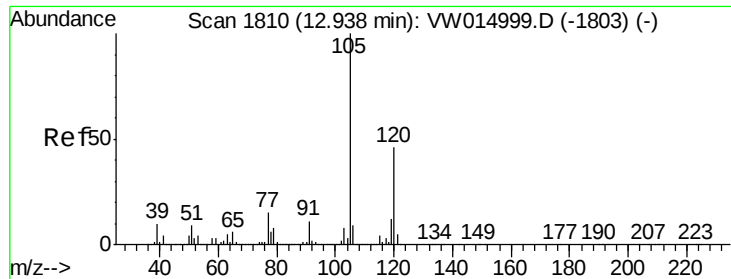
Delta R.T. 0.00 min

Lab File: VW015001.D

Acq: 17 Feb 2020 15:37

Tgt Ion:	75	Resp:	10386
Ion Ratio	Lower	Upper	
75	100		
77	37.6	25.8	38.6
110	32.2	26.6	39.8





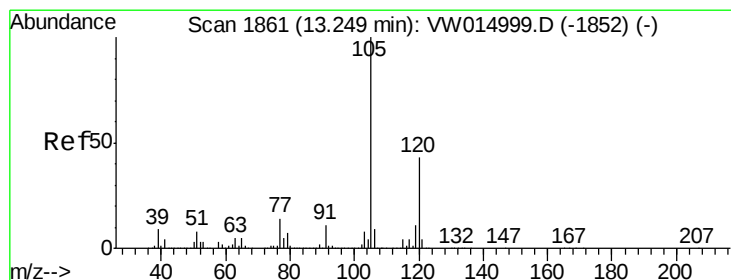
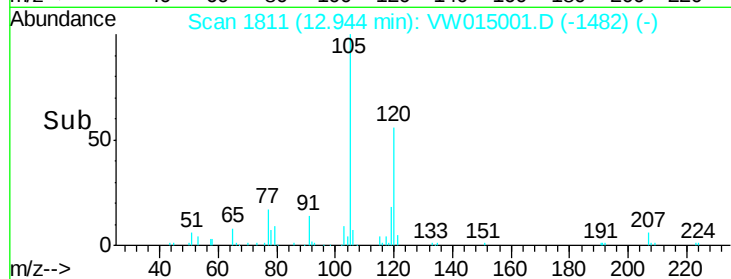
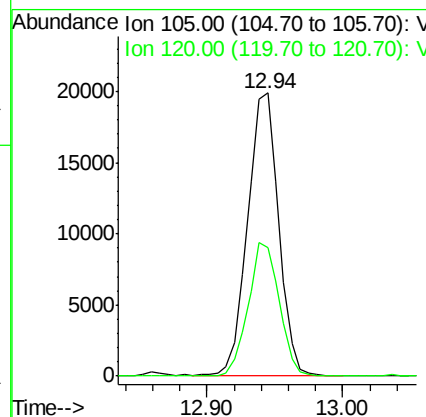
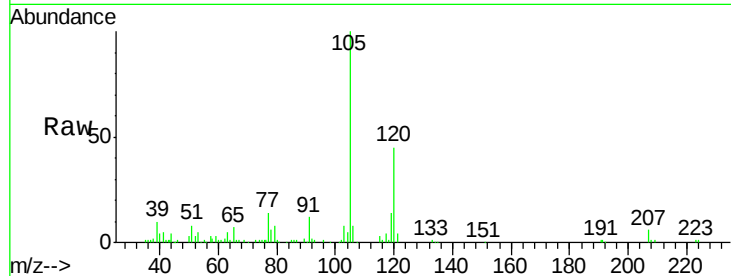
#62
 1,3,5-Trimethylbenzene
 Concen: 1.035 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.4	56.0

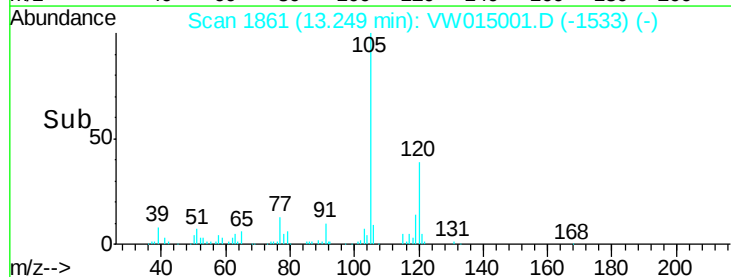
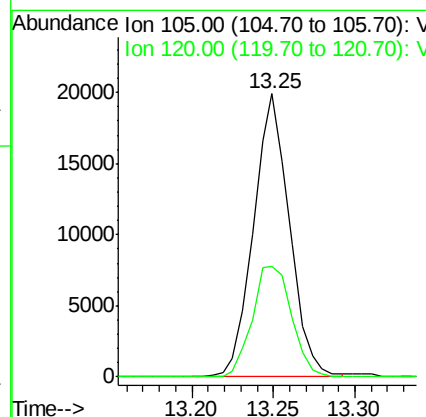
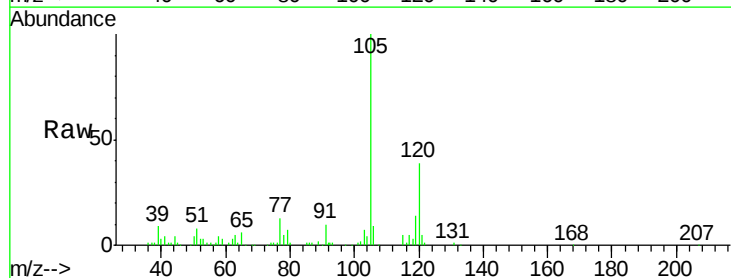
Manual Integrations
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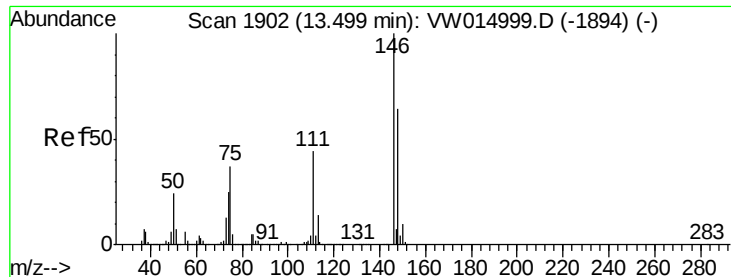
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#63
 1,2,4-Trimethylbenzene
 Concen: 1.015 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	35.0	52.4





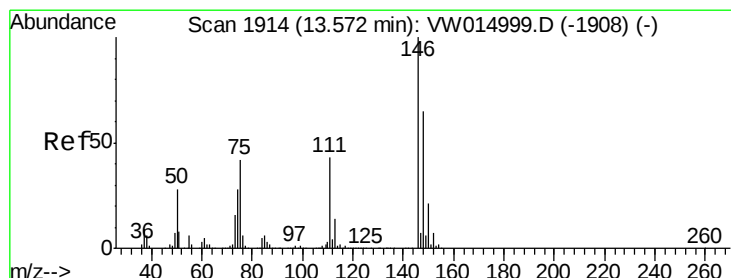
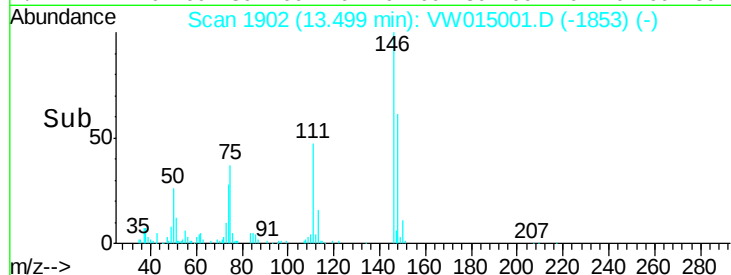
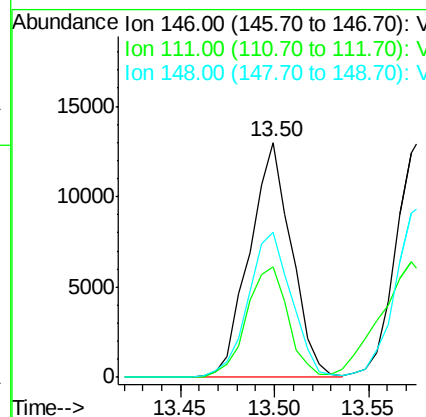
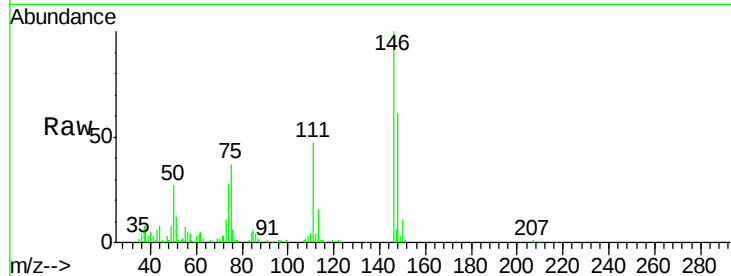
#64
1,3-Dichlorobenzene
Concen: 1.265 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	30.2	56.0
148	61.4	44.2	82.2

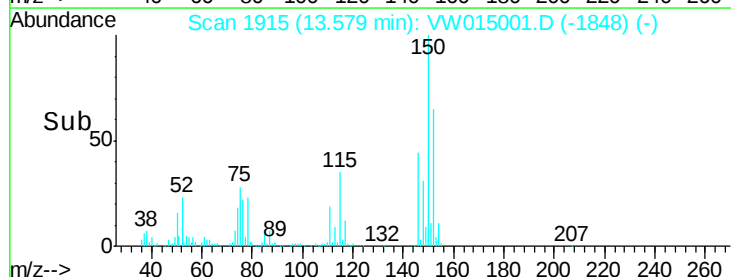
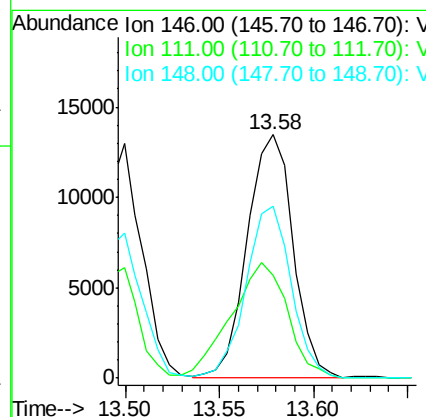
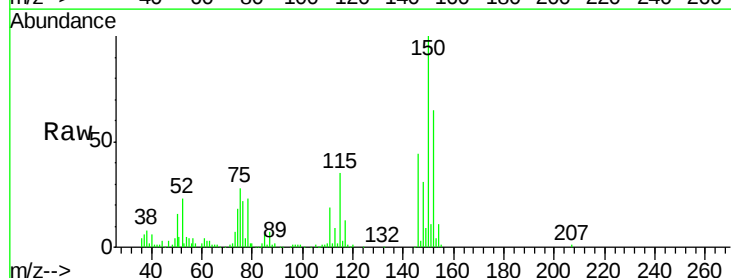
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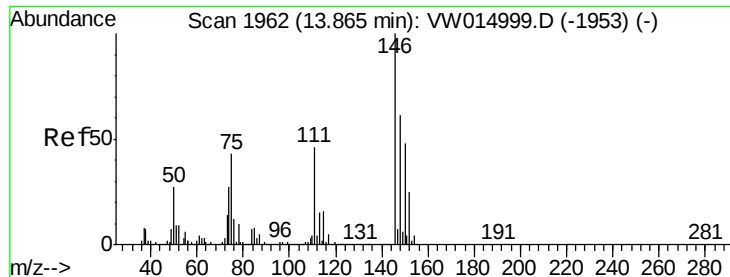
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2/19/2020 6:02:52 PM



#65
1,4-Dichlorobenzene
Concen: 1.388 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.5	54.9
148	70.5	43.8	81.3





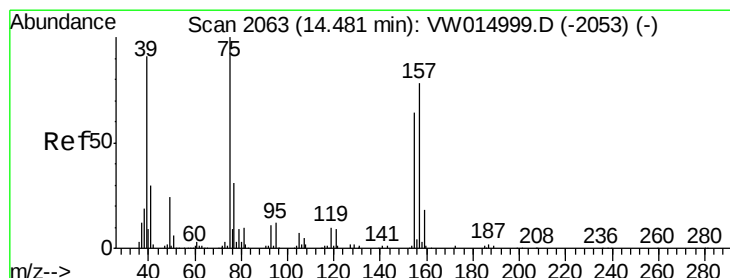
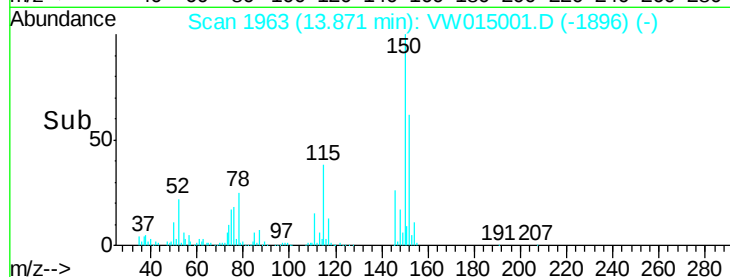
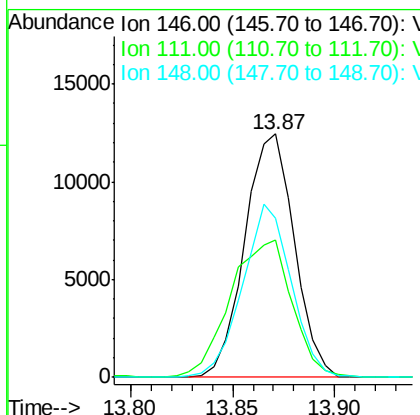
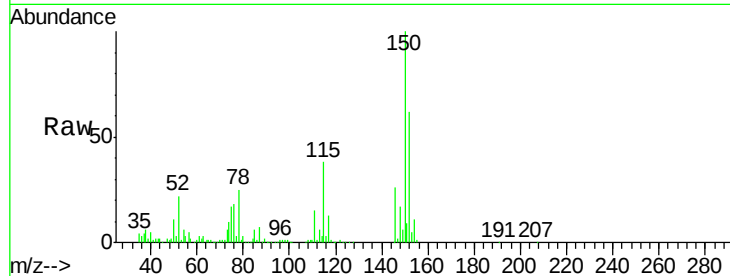
#67
 1,2-Dichlorobenzene
 Concen: 1.429 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.2	38.0	57.0
148	65.2	49.5	74.3

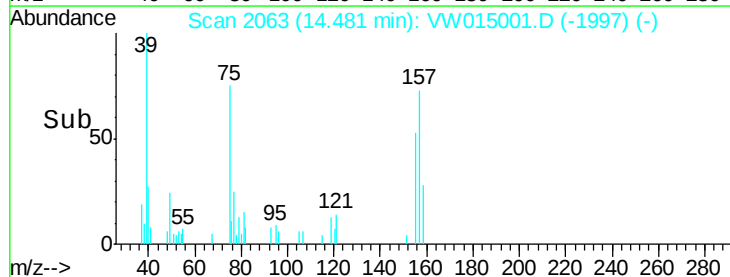
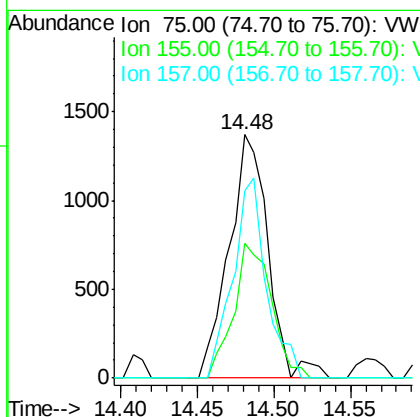
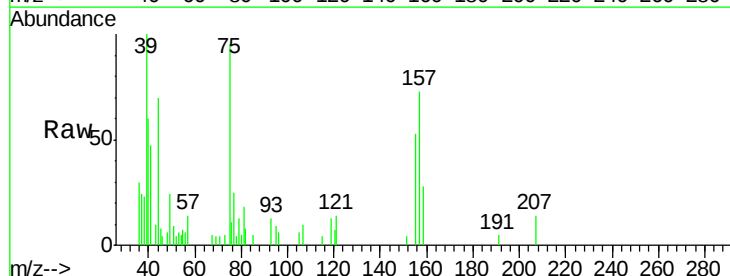
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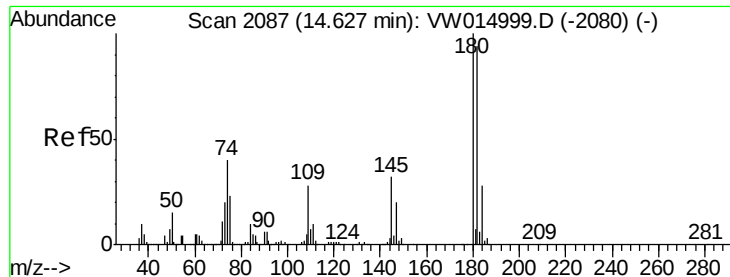
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 2/19/2020 6:02:52 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.608 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

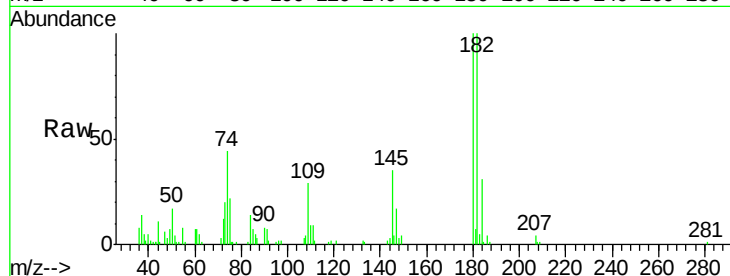
Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.5	48.0	72.0
157	77.2	59.4	89.0





#69
 1,3,5-Trichlorobenzene
 Concen: 1.359 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37

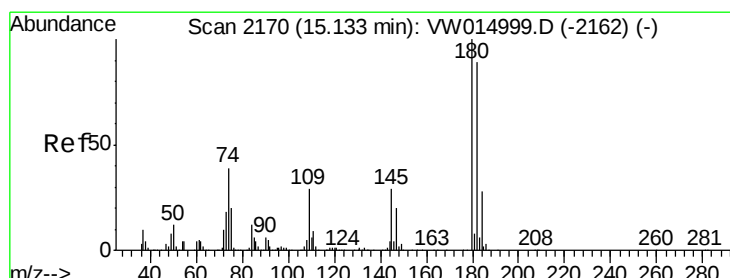
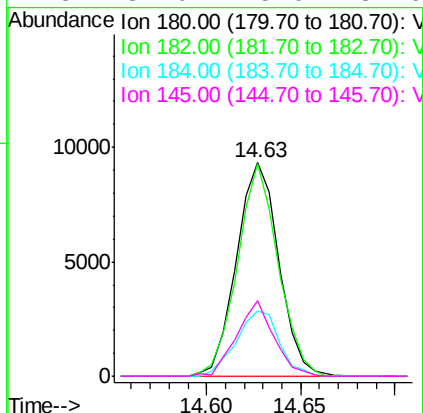
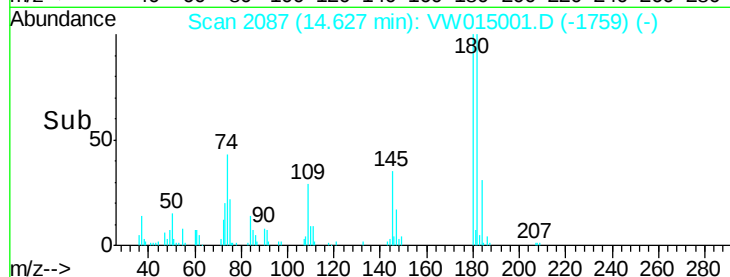
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07



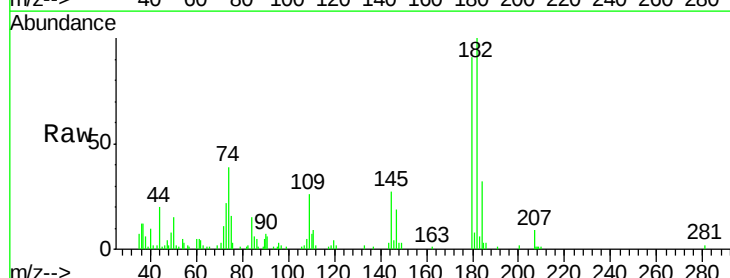
Tot Ion	Ratio	Resp	Lower	Upper
180	100	14493		
182	96.1	76.5	114.7	
184	31.4	24.2	36.2	
145	31.0	25.0	37.6	

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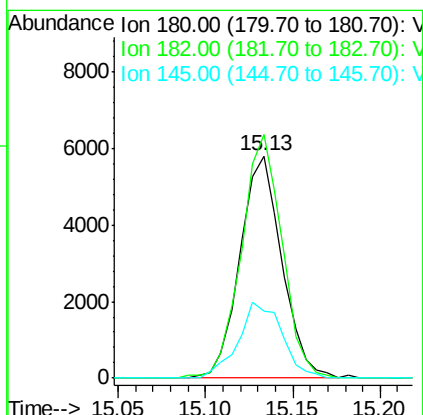
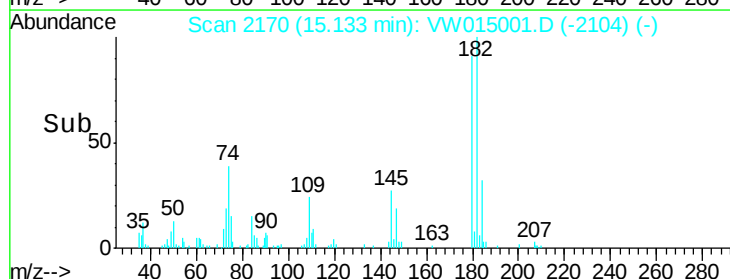
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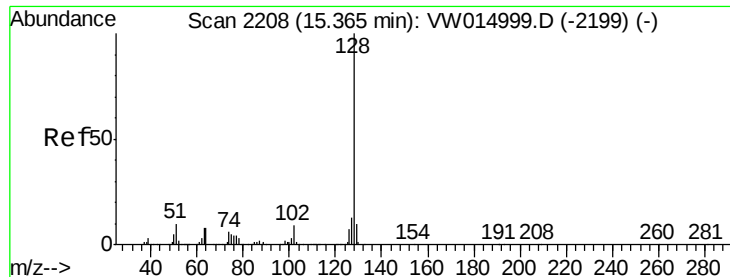


#70
 1,2,4-trichlorobenzene
 Concen: 1.210 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015001.D
 Acq: 17 Feb 2020 15:37



Tgt Ion	Ratio	Resp	Lower	Upper
180	100	9670		
182	106.3	76.2	114.4	
145	35.9	26.2	39.4	





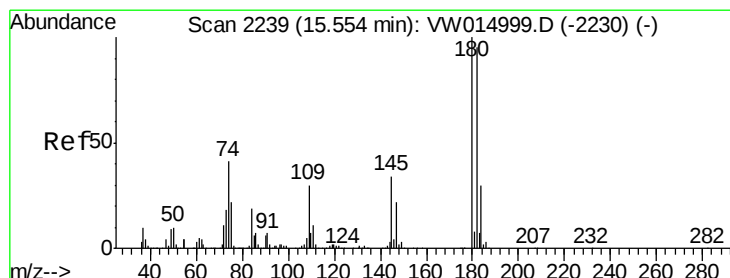
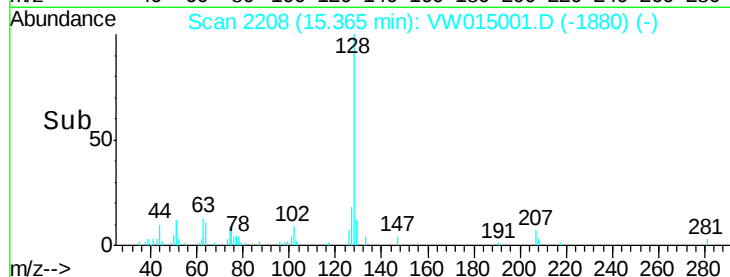
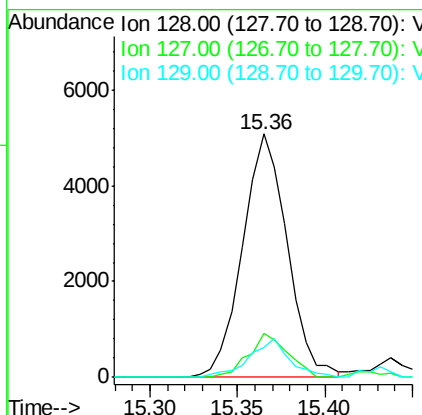
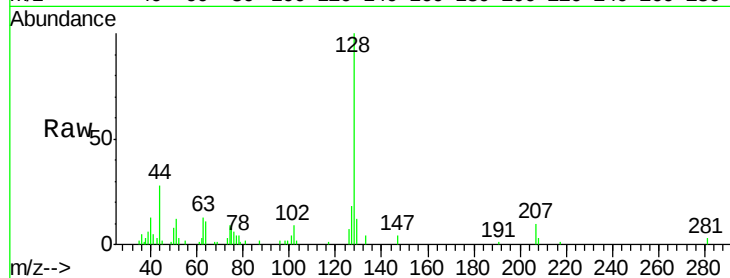
#71
Naphthalene
Concen: 1.099 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.5	15.7#
129	14.5	8.6	12.8#

Manual Integrations
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2/19/2020 6:02:52 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.303 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015001.D
Acq: 17 Feb 2020 15:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	35.1	27.0	40.6

