

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006301.D
 Acq On : 23 Oct 2018 18:07
 Operator : SY/AP
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Manual Integrations
 APPROVED

MMDadoda

10/24/2018 2:07:45 PM

Quant Time: Oct 24 05:30:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	324165	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	294930	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155814	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75409	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.52%
7) Chloroethane-d5	2.90	69	75202	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.01	63	124731	17.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.08%
20) 2-Butanone-d5	7.09	46	60163	49.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.30%
24) Chloroform-d	7.65	84	169118	24.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.32%
26) 1,2-Dichloroethane-d4	8.31	65	99107	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.04%
29) Benzene-d6	8.27	84	347552	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
33) 1,2-Dichloropropane-d6	9.28	67	98853	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.33	98	337805	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.92%
38) trans-1,3-Dichloropropene-	10.58	79	40004	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.48%
39) 2-Hexanone-d5	10.93	63	48849	50.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	101514	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	140597	26.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7157	2.336 ug/L	99
3) Chloromethane	2.21	50	7681	2.553 ug/L	97
5) Vinyl chloride	2.37	62	10740	2.215 ug/L #	80
6) Bromomethane	2.79	94	8068	2.137 ug/L	98
8) Chloroethane	2.93	64	6722	2.261 ug/L	96
9) Trichlorofluoromethane	3.26	101	8368	2.157 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10165m	2.621 ug/L	
12) 1,1-Dichloroethene	4.03	96	9201	2.472 ug/L #	1
13) Acetone	4.14	43	6267m	5.119 ug/L	
14) Carbon disulfide	4.38	76	22051	1.812 ug/L	97
15) Methyl Acetate	4.69	43	4686m	2.363 ug/L	
16) Methylene chloride	4.92	84	16915	4.042 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	12922	2.133 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	8835	2.144 ug/L	84
19) 1,1-Dichloroethane	6.22	63	14050	2.107 ug/L	98
21) 2-Butanone	7.18	43	6863m	4.219 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	9606	2.137 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4626	2.188	ug/L	97
25) Chloroform	7.68	83	16261	2.266	ug/L	87
27) 1,2-Dichloroethane	8.40	62	11260	2.301	ug/L	95
30) Cyclohexane	7.95	56	13587	2.096	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	13175	2.135	ug/L	98
32) Carbon tetrachloride	8.07	117	12365	2.043	ug/L	99
34) Benzene	8.33	78	34195	2.259	ug/L	100
35) Trichloroethene	9.10	95	9502	2.231	ug/L	99
36) Methylcyclohexane	9.34	83	16246	2.081	ug/L	96
40) 1,2-Dichloropropane	9.37	63	7910	2.106	ug/L	100
41) Bromodichloromethane	9.65	83	9335	1.841	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	11044	1.800	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	12705	4.222	ug/L	99
44) Toluene	10.39	91	37426	2.201	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	11357	2.119	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	6976	2.230	ug/L	98
47) Tetrachloroethene	10.87	164	8769	2.224	ug/L	96
49) 2-Hexanone	10.98	43	8373	3.775	ug/L	94
50) Dibromochloromethane	11.13	129	6943	1.732	ug/L	100
51) 1,2-Dibromoethane	11.24	107	6893	2.117	ug/L	99
52) Chlorobenzene	11.66	112	25098	2.182	ug/L	99
53) Ethylbenzene	11.74	91	41392	2.091	ug/L	100
54) m,p-Xylene	11.84	106	15614	2.013	ug/L	96
55) o-xylene	12.17	106	14503	1.958	ug/L	95
56) Styrene	12.18	104	23911	1.874	ug/L	100
57) Isopropylbenzene	12.47	105	40943	1.987	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	9675	2.380	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	7097	2.340	ug/L	99
62) Bromoform	12.35	173	4223	1.618	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	20081	2.099	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	21333	2.214	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	19517	2.217	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1267	1.788	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.64	180	16038	2.079	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	13576	2.064	ug/L	96
69) Naphthalene	15.38	128	25059	1.882	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12021	2.034	ug/L	95

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

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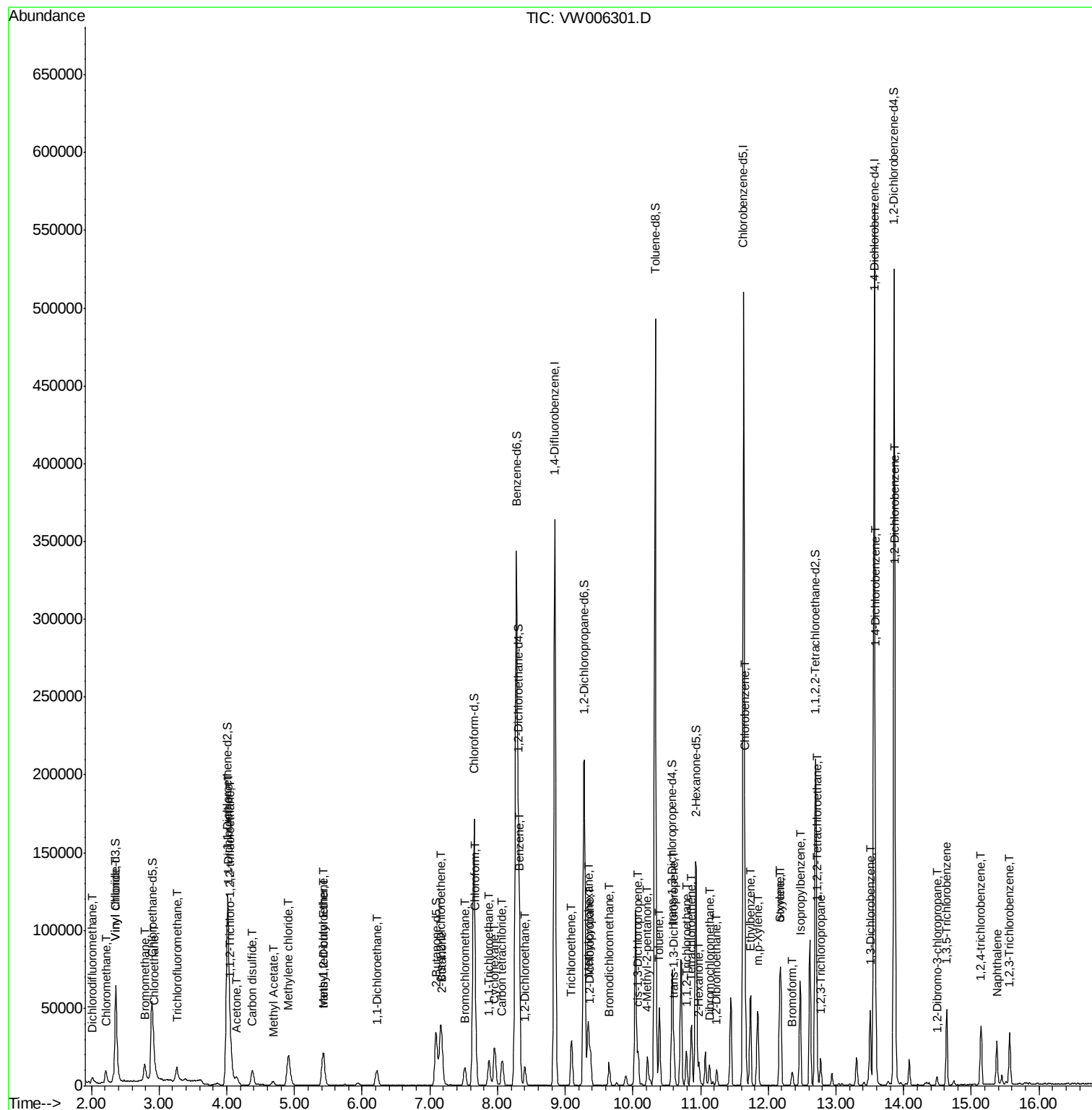
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

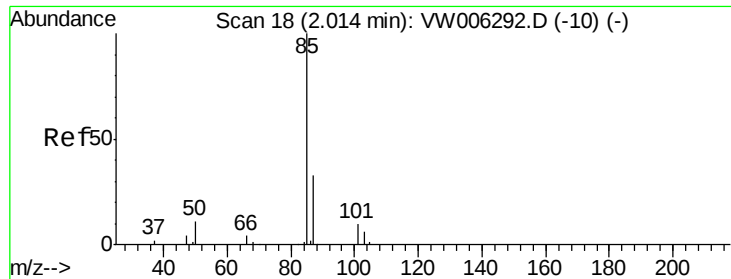
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#2

Dichlorodifluoromethane

Concen: 2.336 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 85 Resp: 7157

Ion Ratio Lower Upper

85 100

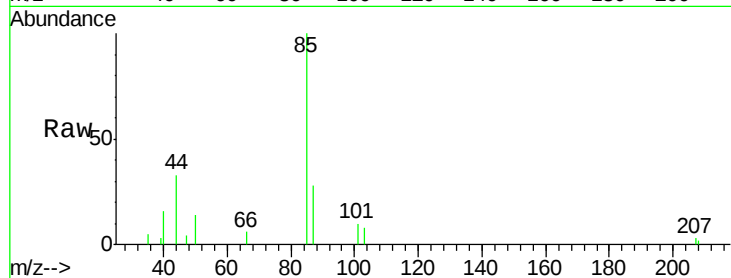
87 28.1 19.2 35.6

Manual Integrations

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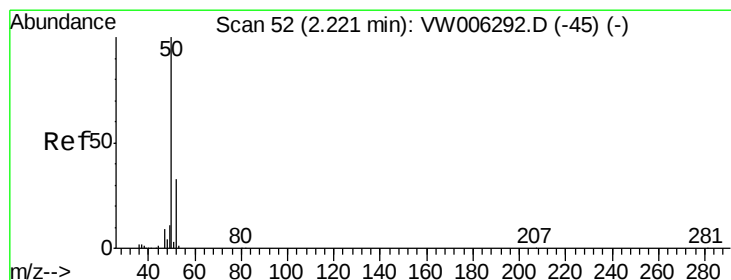
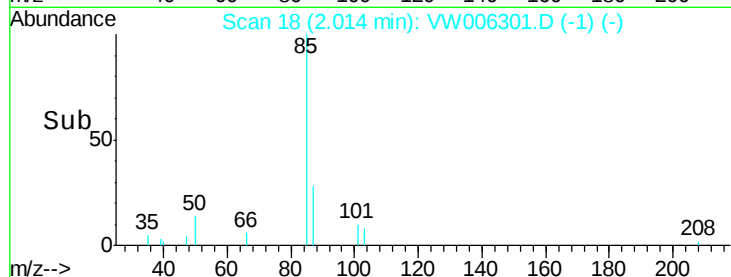
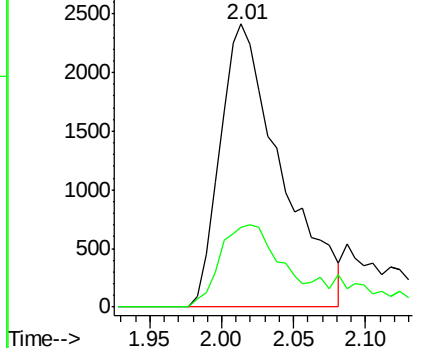
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Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.553 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006301.D

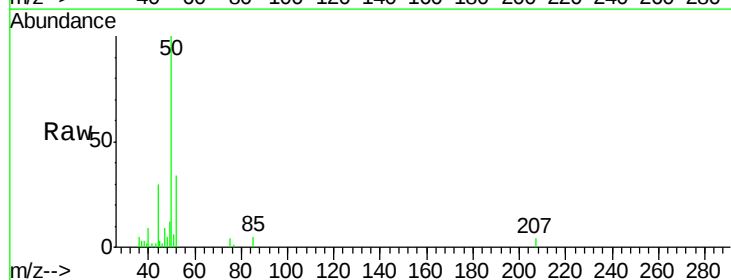
Acq: 23 Oct 2018 18:07

Tgt Ion: 50 Resp: 7681

Ion Ratio Lower Upper

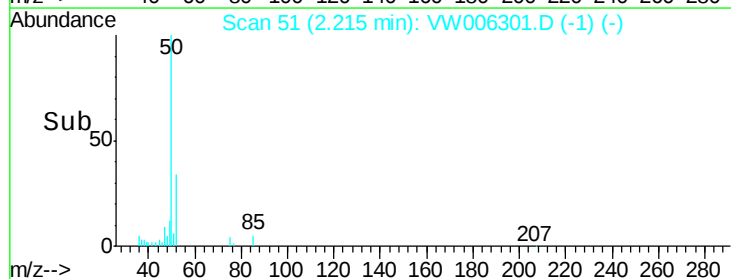
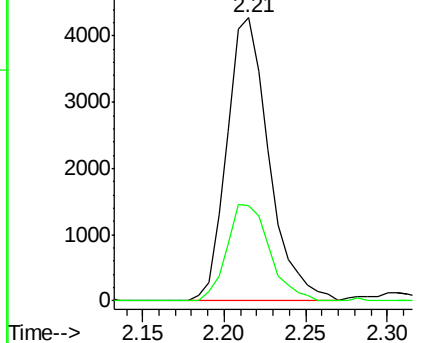
50 100

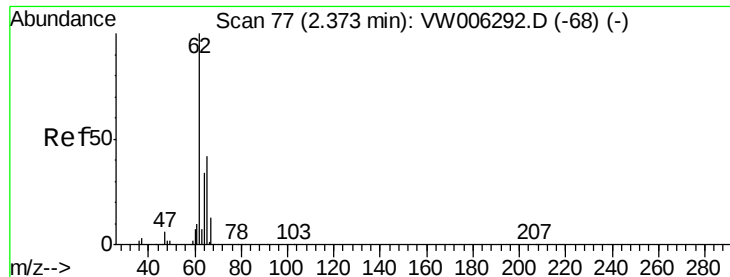
52 33.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.215 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 62 Resp: 10740

Ion Ratio Lower Upper

62 100

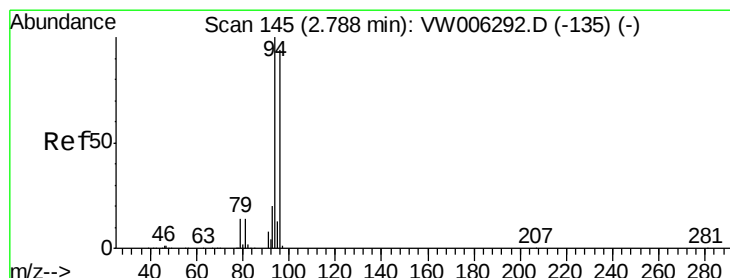
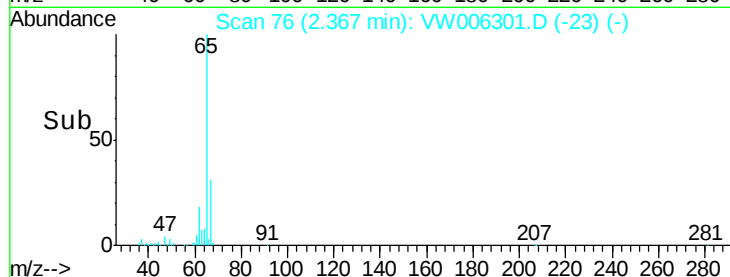
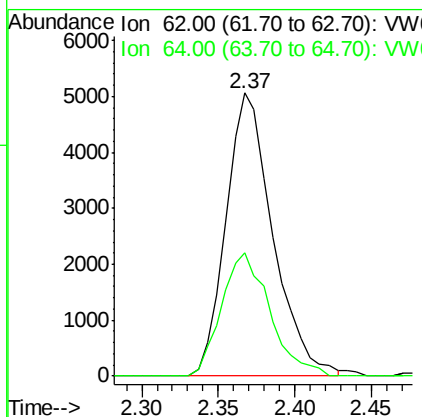
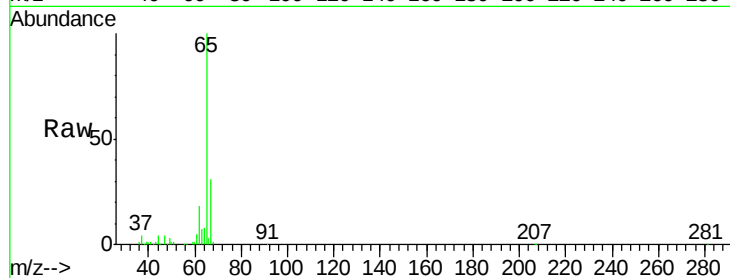
64 43.6 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.137 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006301.D

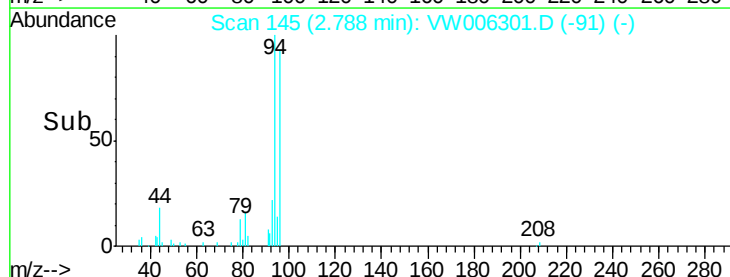
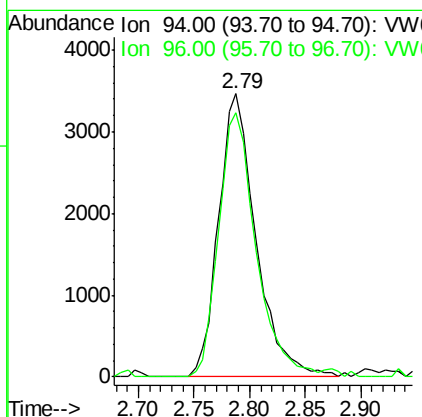
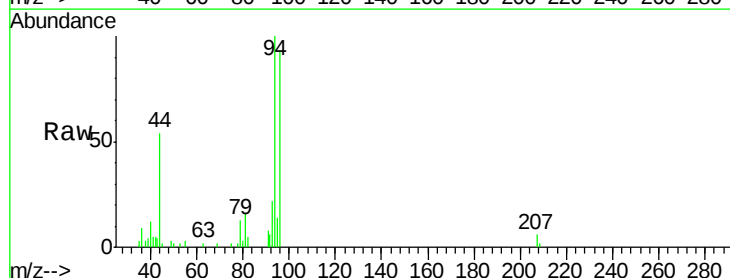
Acq: 23 Oct 2018 18:07

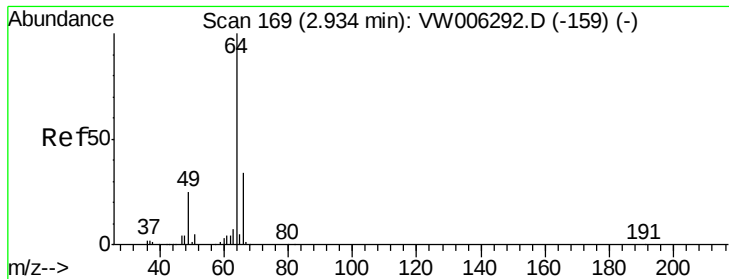
Tgt Ion: 94 Resp: 8068

Ion Ratio Lower Upper

94 100

96 93.1 9.5 181.3





#8

Chloroethane

Concen: 2.261 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 64 Resp: 6722

Ion Ratio Lower Upper

64 100

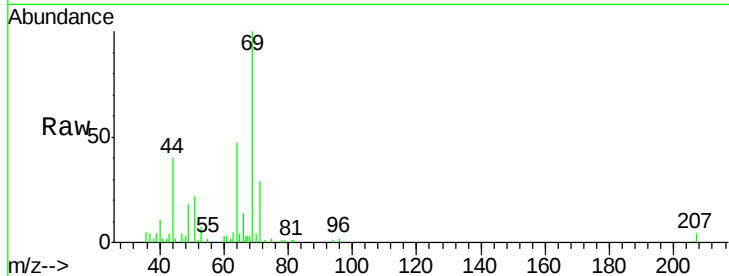
66 30.0 22.7 42.1

Manual Integrations

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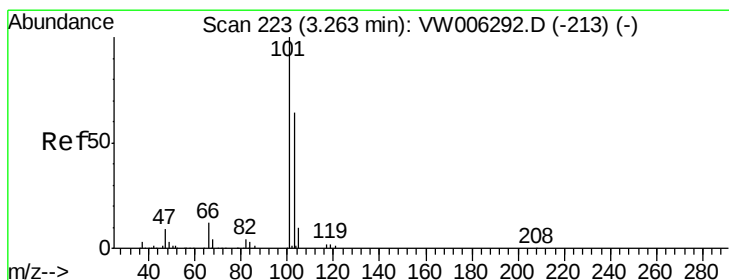
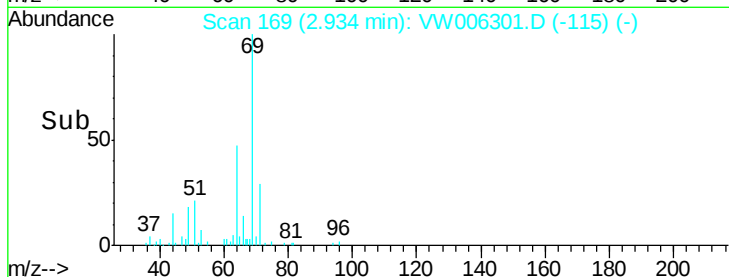
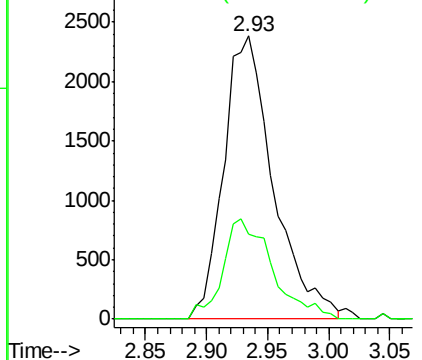
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Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 2.157 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006301.D

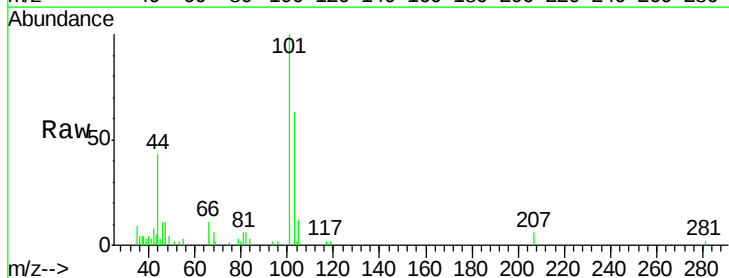
Acq: 23 Oct 2018 18:07

Tgt Ion: 101 Resp: 8368

Ion Ratio Lower Upper

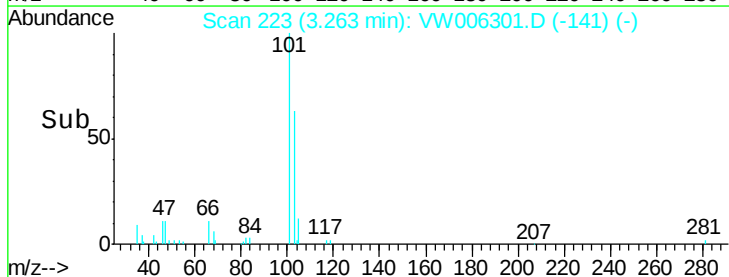
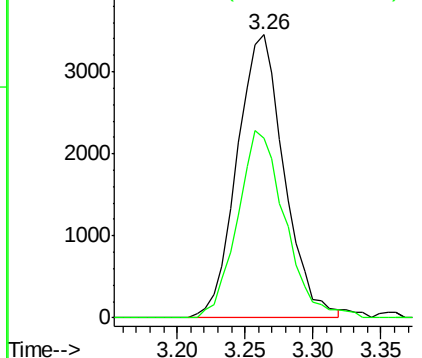
101 100

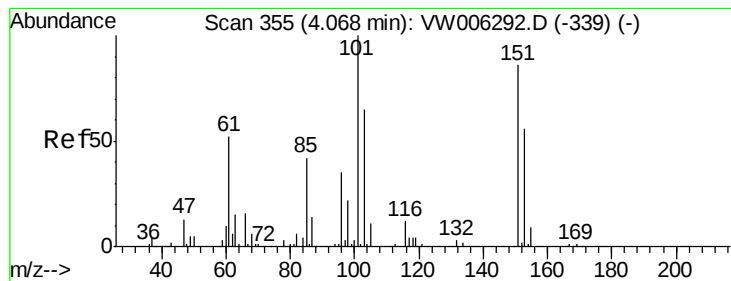
103 66.8 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.621 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006301.D

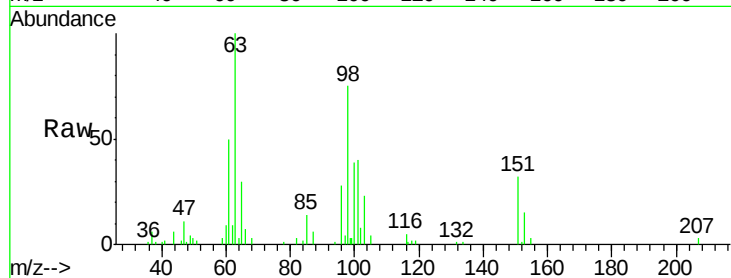
Acq: 23 Oct 2018 18:07

Instrument :

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ClientSampleId :

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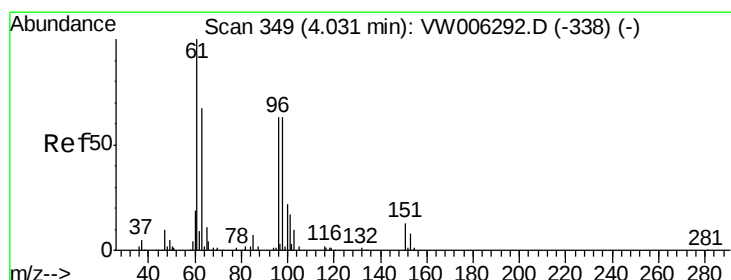
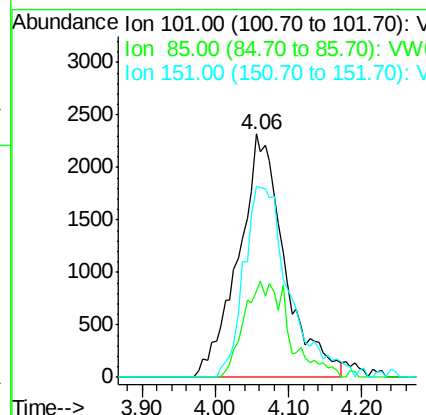
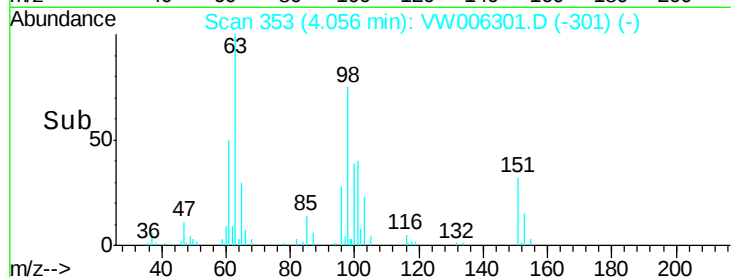


Tgt Ion:	101	Resp:	10165
Ion Ratio	Lower	Upper	
101	100		
85	18.9	33.4	50.2#
151	70.3	68.7	103.1

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#12

1,1-Dichloroethene

Concen: 2.472 ug/L

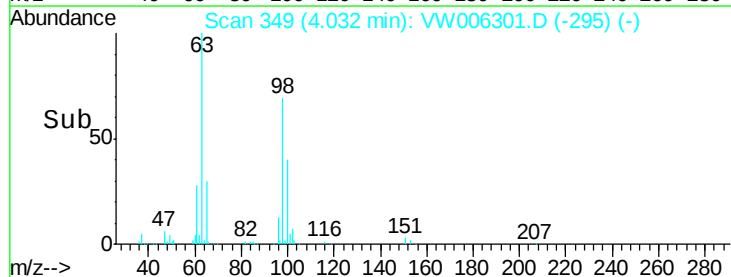
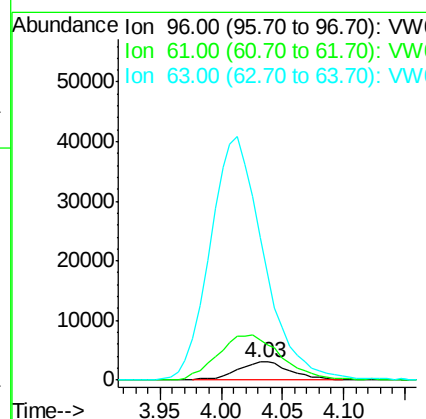
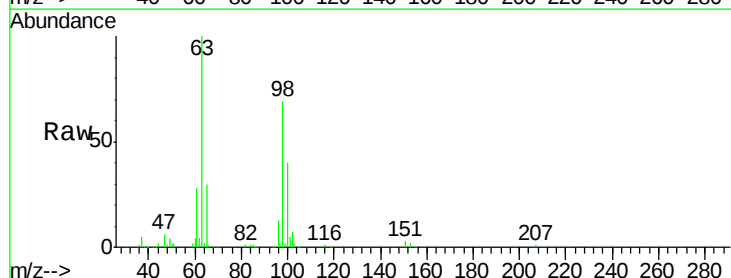
RT: 4.03 min Scan# 349

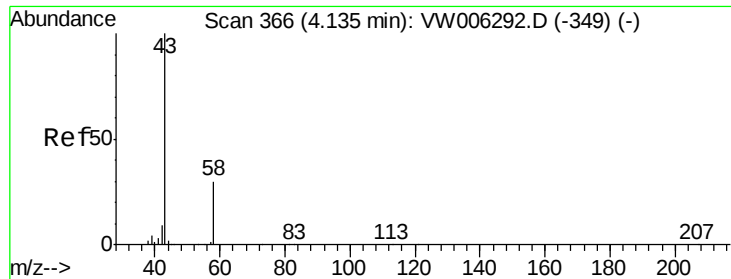
Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Tgt Ion:	96	Resp:	9201
Ion Ratio	Lower	Upper	
96	100		
61	220.3	112.3	208.7#
63	791.3	102.6	190.6#





#13

Acetone

Concen: 5.119 ug/L m

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Tgt Ion: 43 Resp: 6267

Ion Ratio Lower Upper

43 100

58 13.3 0.0 61.2

Instrument :

MSVOA_W

ClientSampleId :

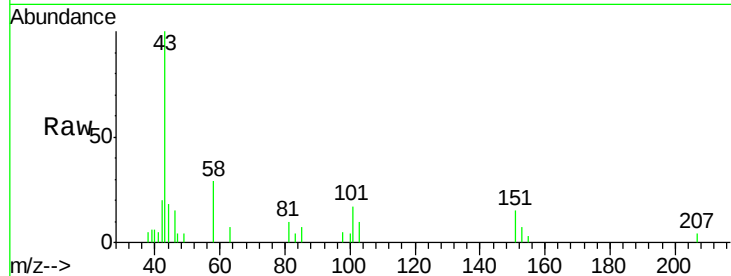
MDL 2 PPB

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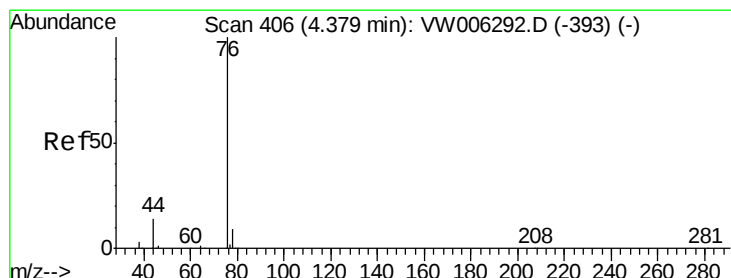
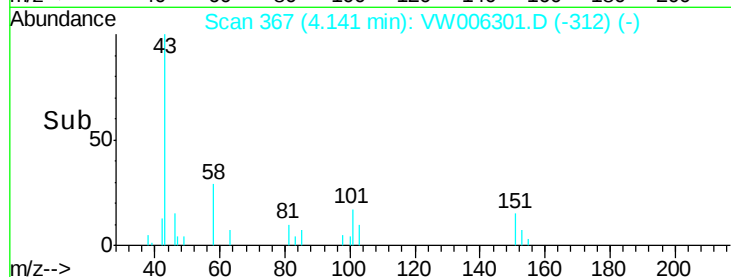
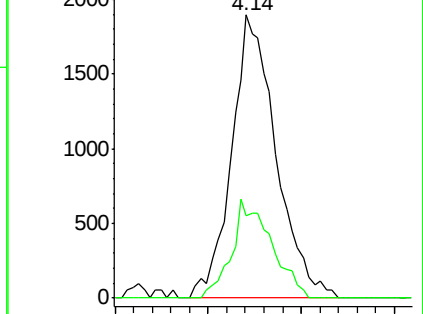
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.812 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006301.D

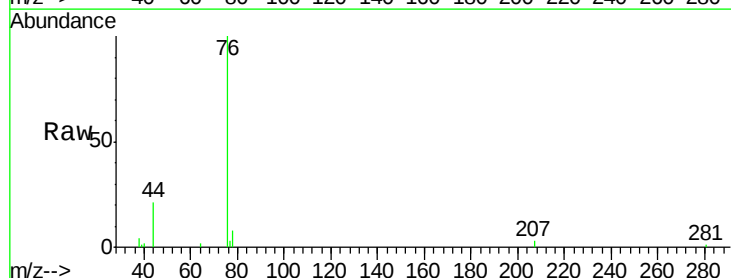
Acq: 23 Oct 2018 18:07

Tgt Ion: 76 Resp: 22051

Ion Ratio Lower Upper

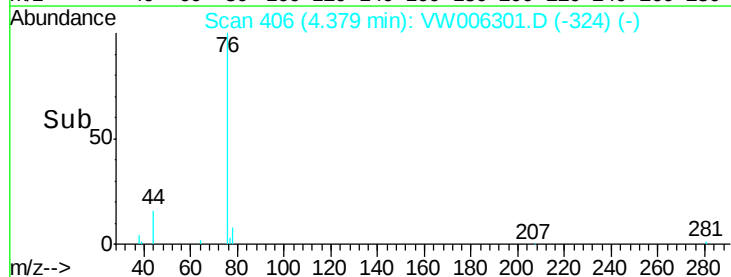
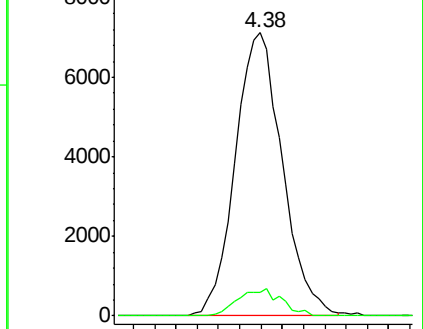
76 100

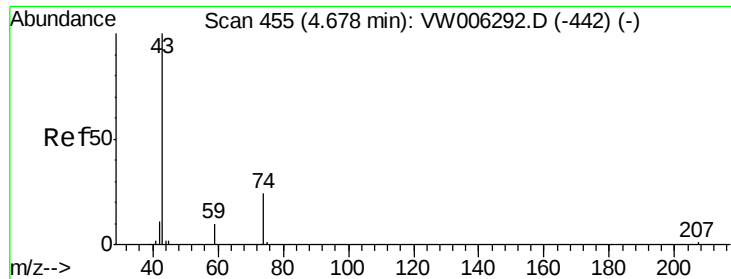
78 8.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





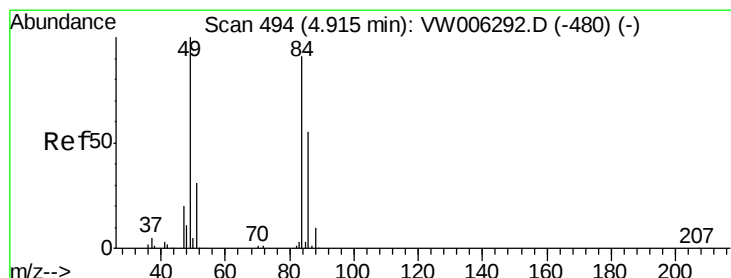
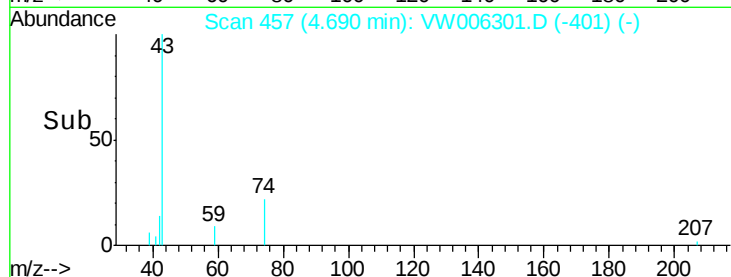
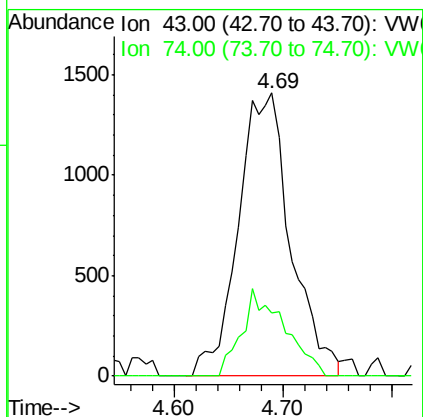
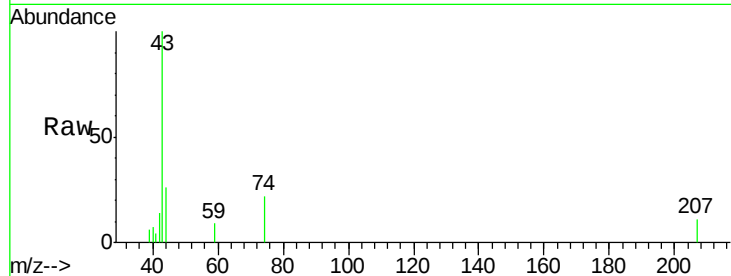
#15
Methyl Acetate
Concen: 2.363 ug/L m
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
74 11.0 19.4 29.2#

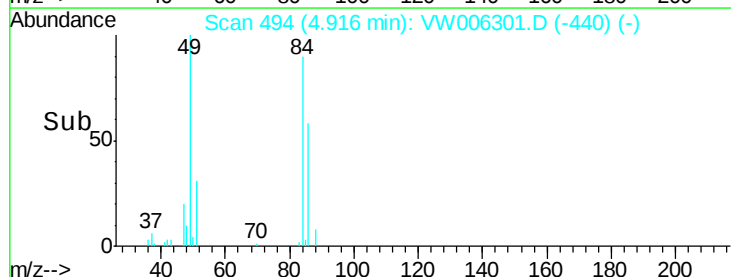
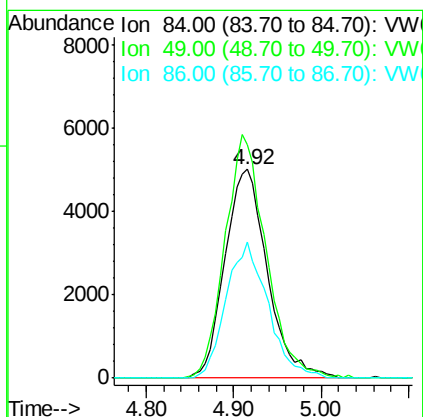
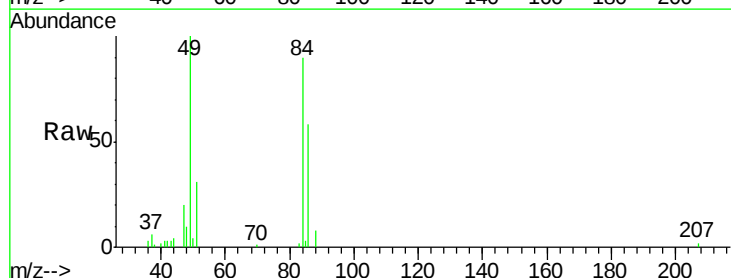
Manual Integrations
APPROVED

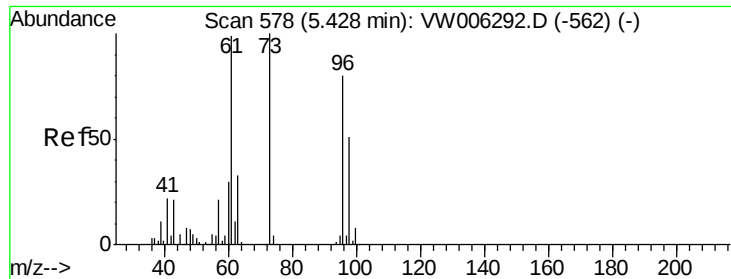
MMDadoda
10/24/2018 2:07:45 PM



#16
Methylene chloride
Concen: 4.042 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion: 84 Resp: 16915
Ion Ratio Lower Upper
84 100
49 111.6 83.5 155.1
86 64.9 44.9 83.5





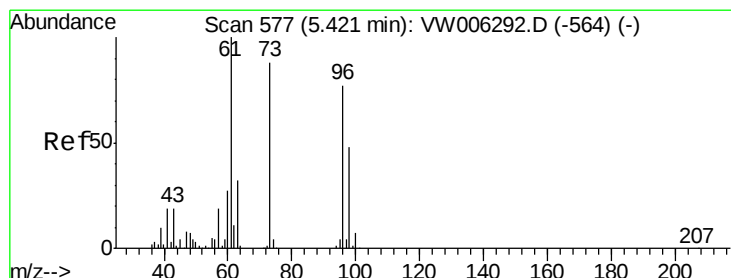
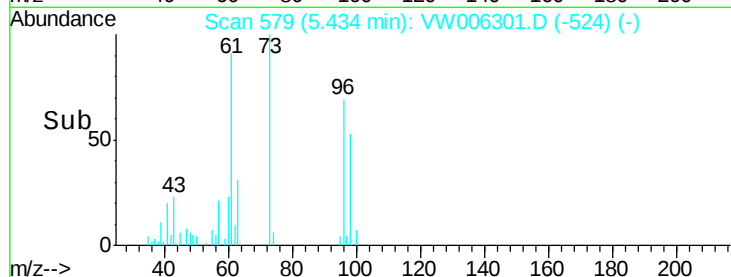
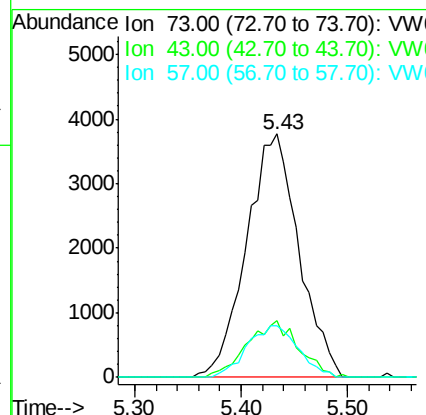
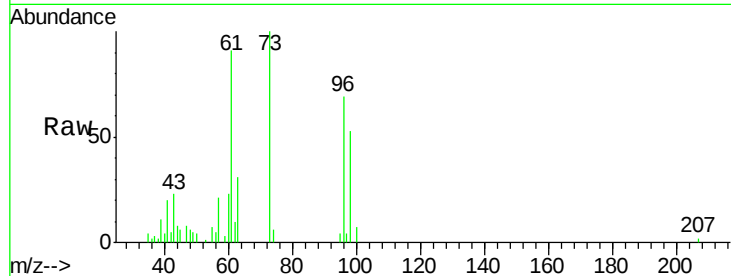
#17
Methyl tert-butyl Ether
Concen: 2.133 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.7	17.0	25.4
57	20.8	17.1	25.7

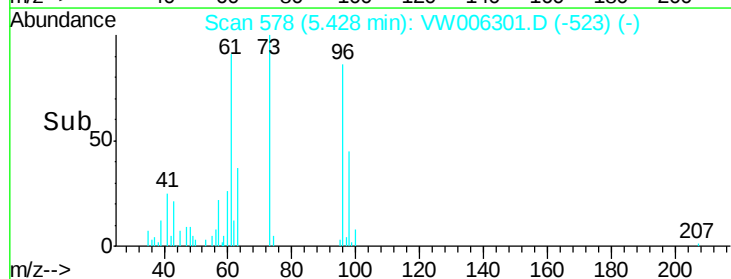
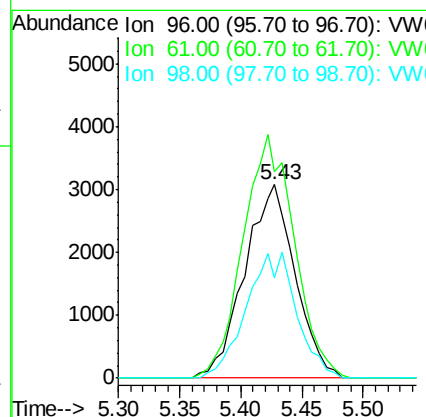
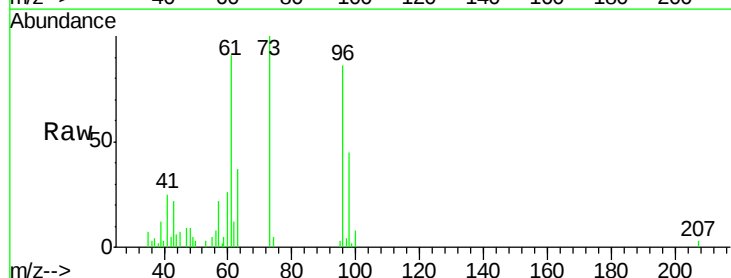
Manual Integrations
APPROVED

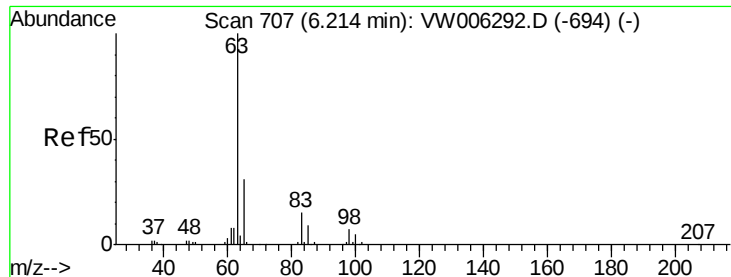
MMDadoda
10/24/2018 2:07:45 PM



#18
trans-1,2-Dichloroethene
Concen: 2.144 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.7	89.0	165.2
98	52.1	42.4	78.6





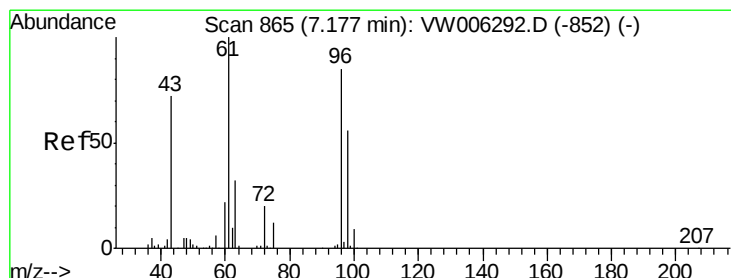
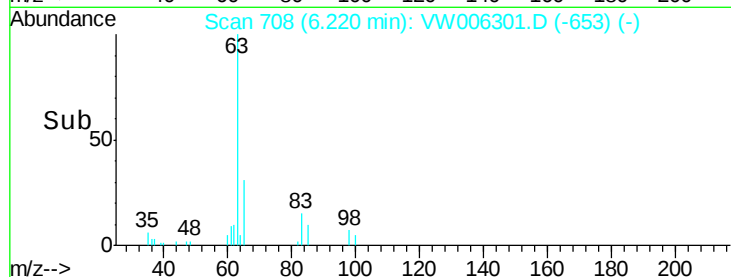
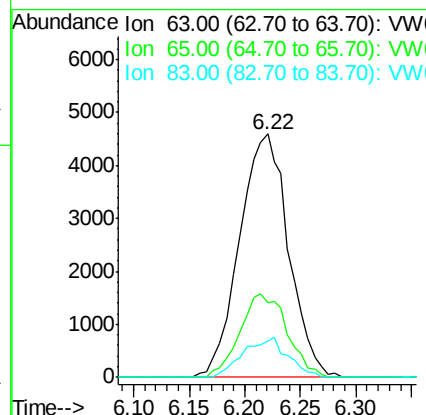
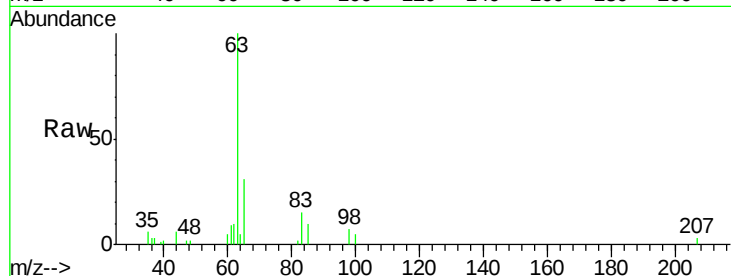
#19
 1,1-Dichloroethane
 Concen: 2.107 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.3	41.5
83	15.0	9.7	18.1

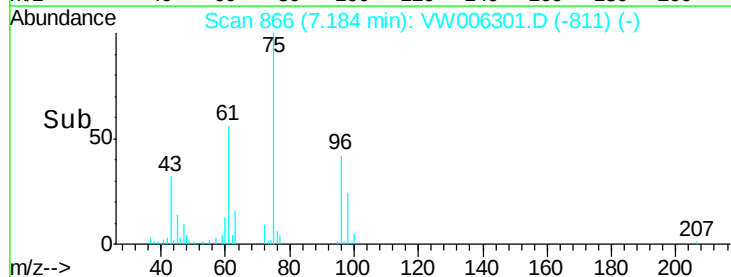
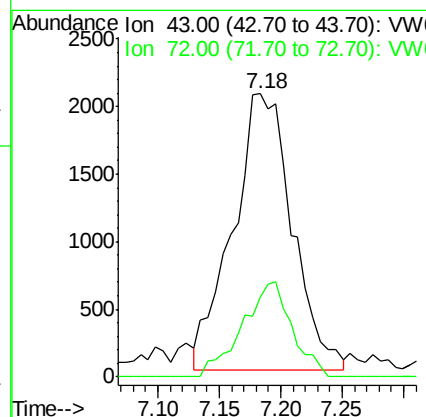
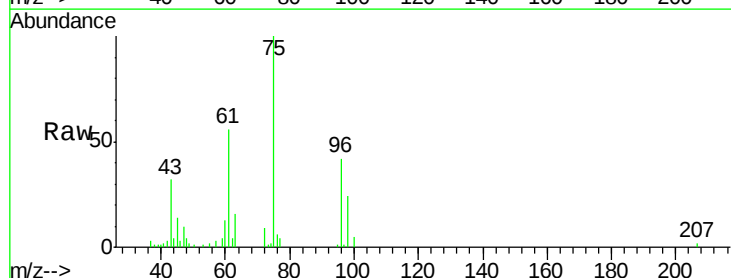
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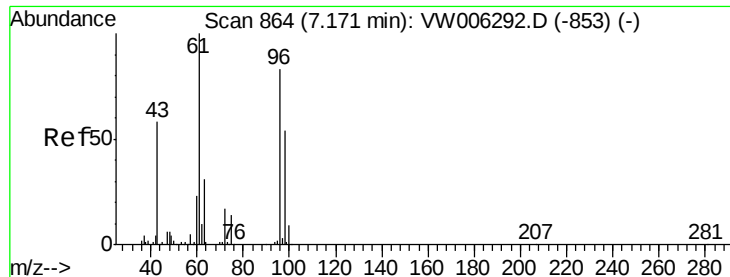
MMDadoda
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#21
 2-Butanone
 Concen: 4.219 ug/L m
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.6	13.8	41.4





#22

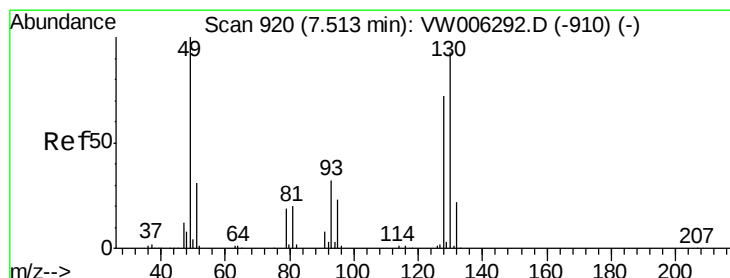
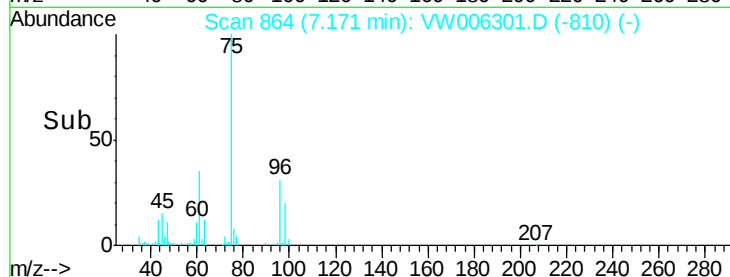
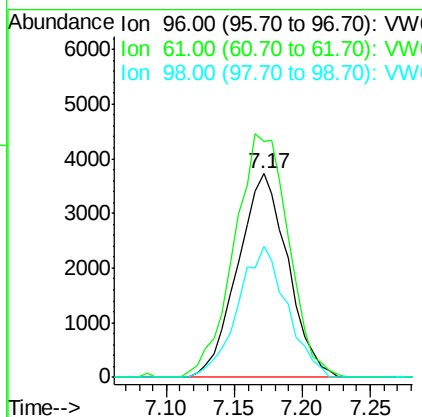
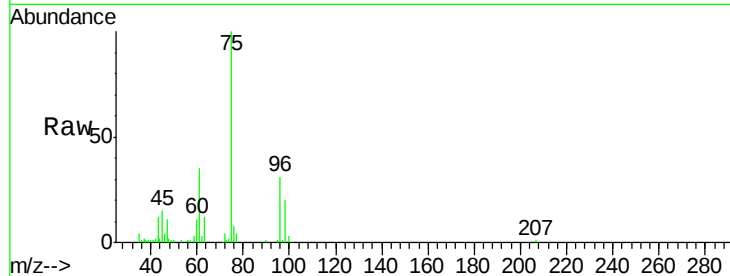
cis-1,2-Dichloroethene
Concen: 2.137 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:	96	Resp:	9606
Ion	Ratio	Lower	Upper
96	100		
61	115.6	85.1	158.1
98	64.4	46.3	86.1

Manual Integrations
APPROVED

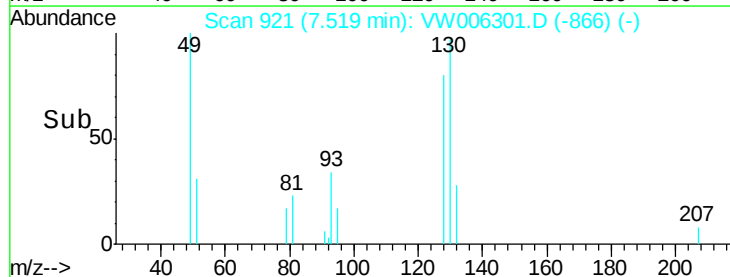
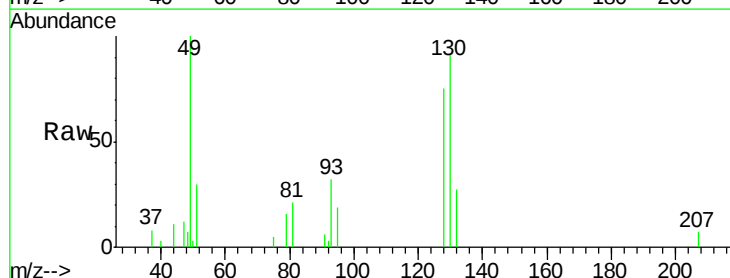
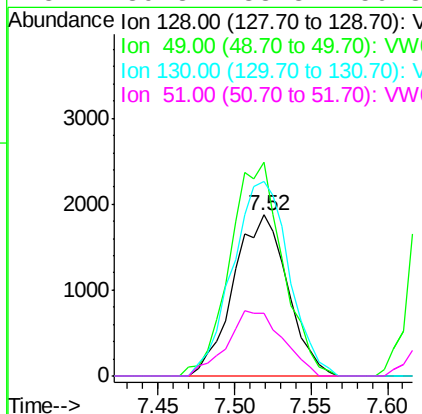
MMDadoda
10/24/2018 2:07:45 PM

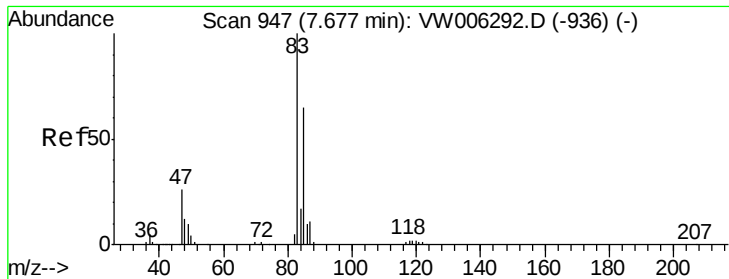


#23

Bromochloromethane
Concen: 2.188 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion:	128	Resp:	4626
Ion	Ratio	Lower	Upper
128	100		
49	132.9	95.2	176.8
130	121.3	86.3	160.3
51	39.3	33.8	50.8





#25

Chloroform

Concen: 2.266 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 83 Resp: 16261

Ion Ratio Lower Upper

83 100

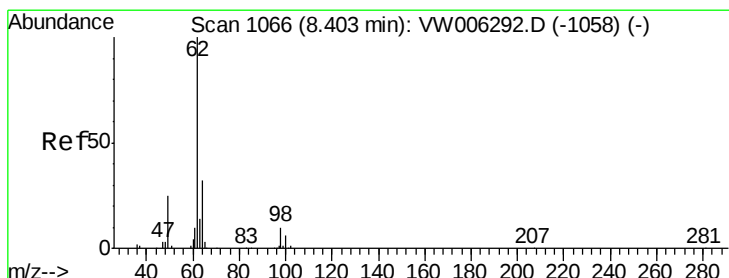
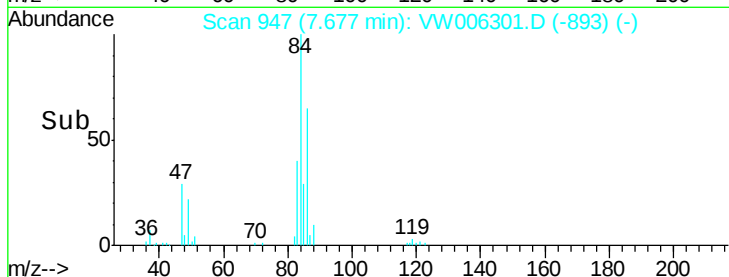
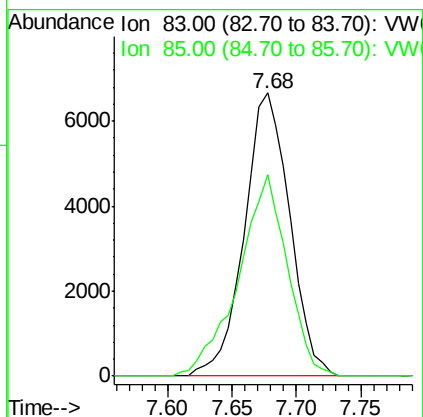
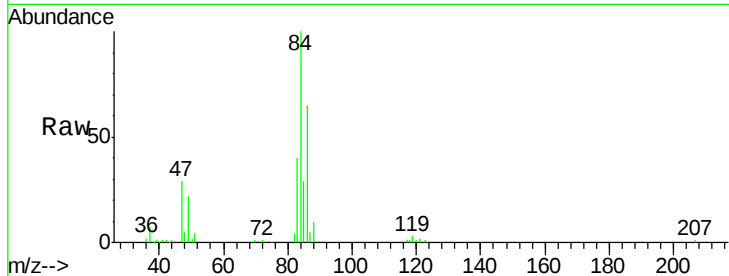
85 76.3 46.3 85.9

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.301 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006301.D

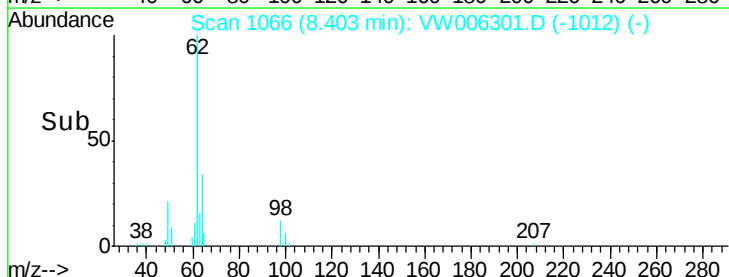
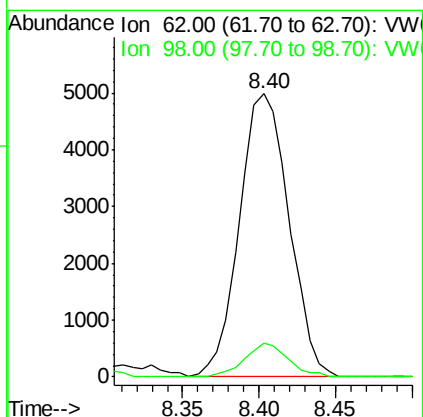
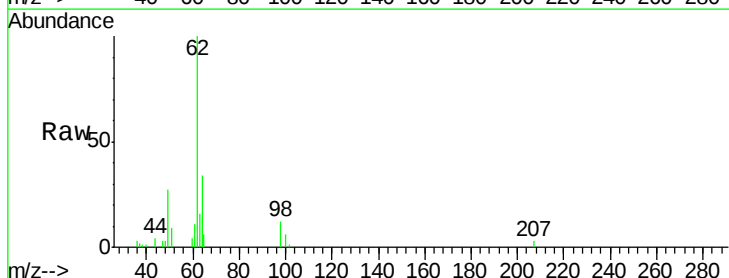
Acq: 23 Oct 2018 18:07

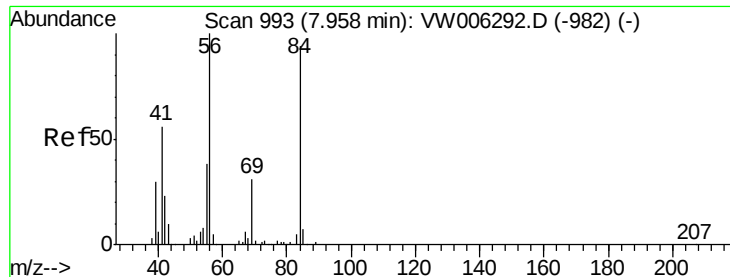
Tgt Ion: 62 Resp: 11260

Ion Ratio Lower Upper

62 100

98 11.8 8.0 12.0





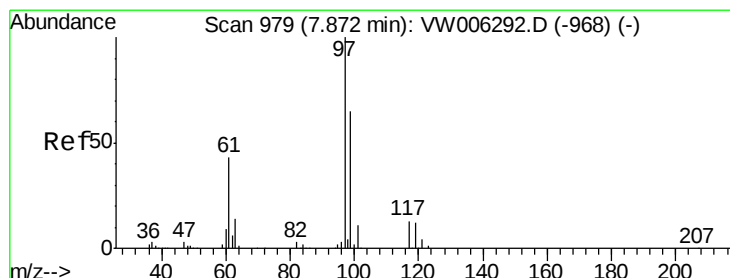
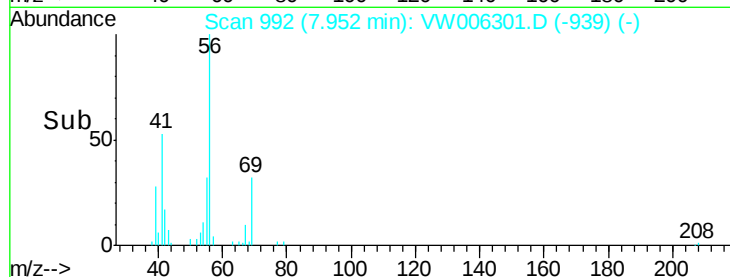
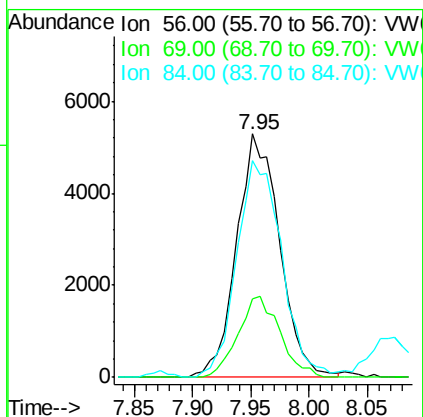
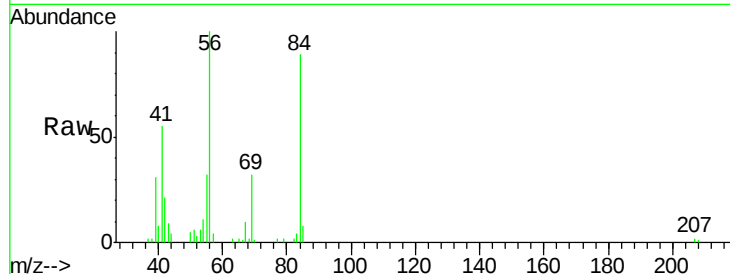
#30
Cyclohexane
Concen: 2.096 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.4	38.0
84	92.9	73.9	110.9

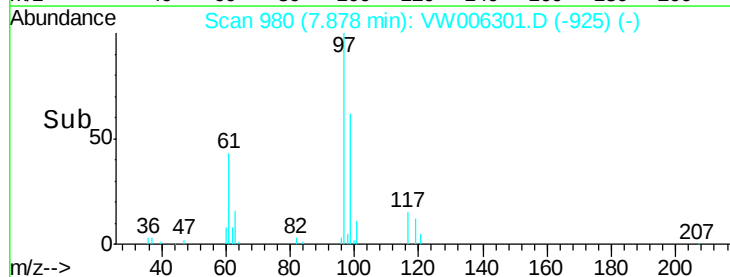
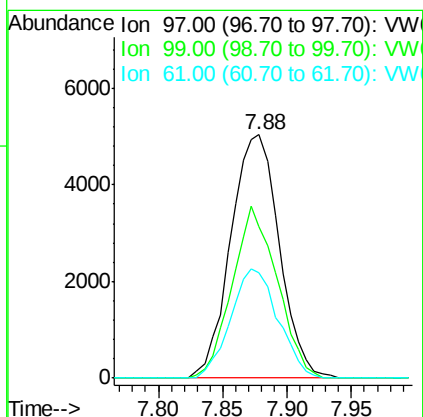
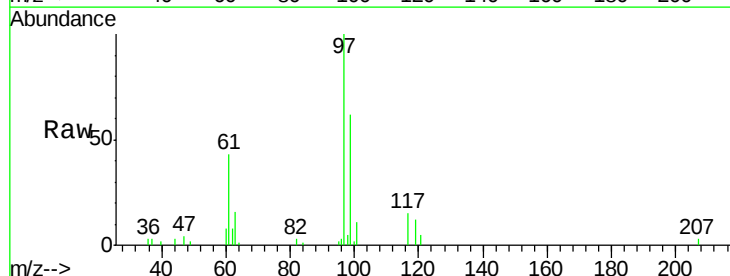
Manual Integrations
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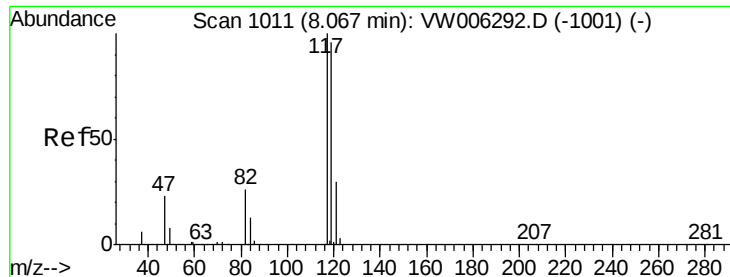
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 2.135 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.4
61	43.7	33.6	50.4





#32

Carbon tetrachloride

Concen: 2.043 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 117 Resp: 12365

Ion Ratio Lower Upper

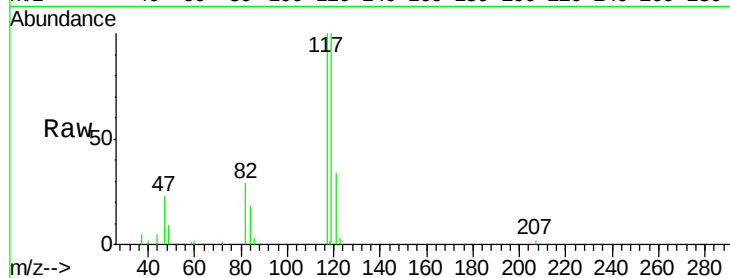
117 100

119 95.3 76.9 115.3

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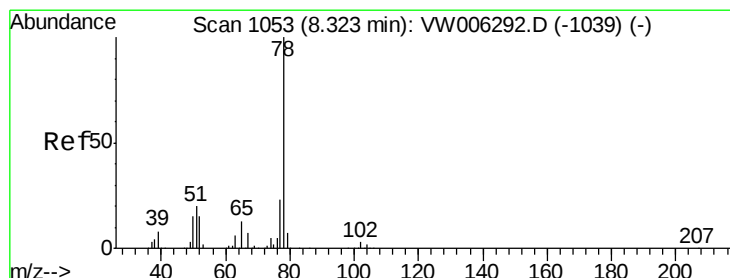
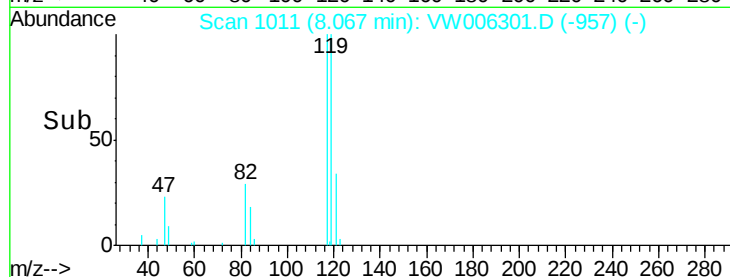
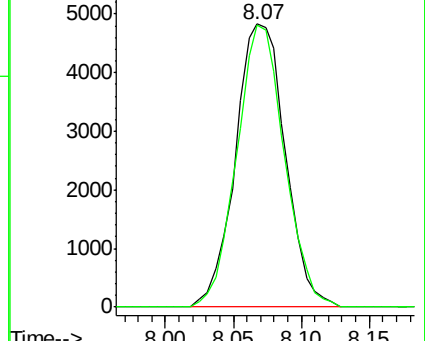
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.259 ug/L

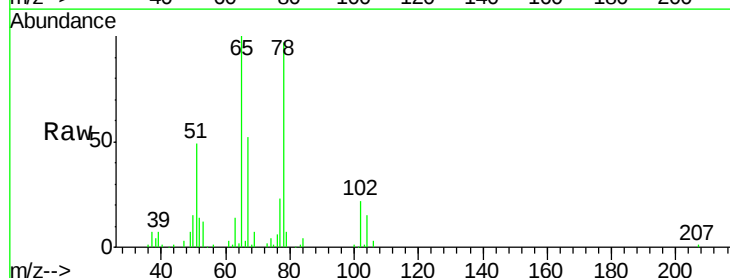
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

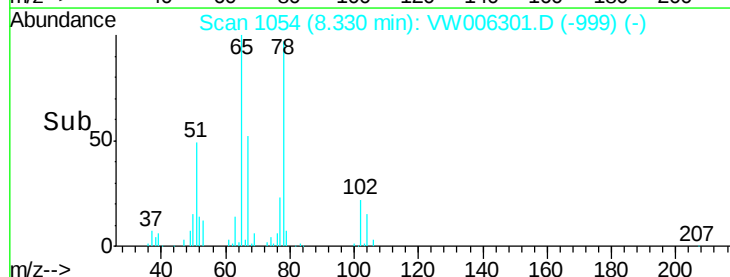
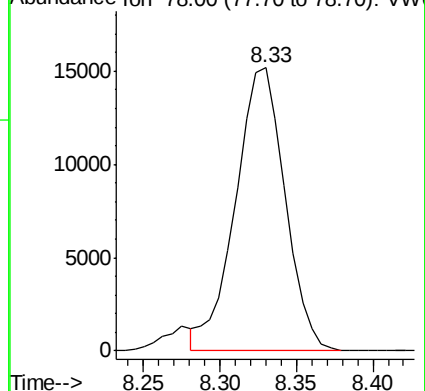
Lab File: VW006301.D

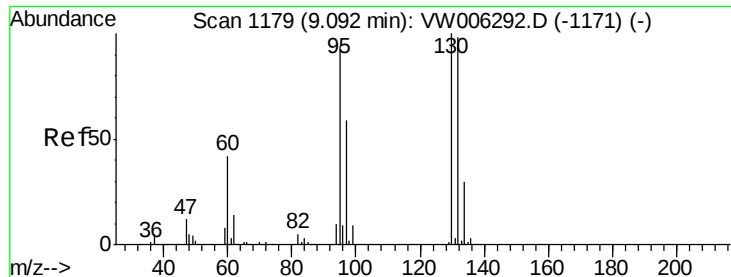
Acq: 23 Oct 2018 18:07

Tgt Ion: 78 Resp: 34195



Abundance Ion 78.00 (77.70 to 78.70): VW





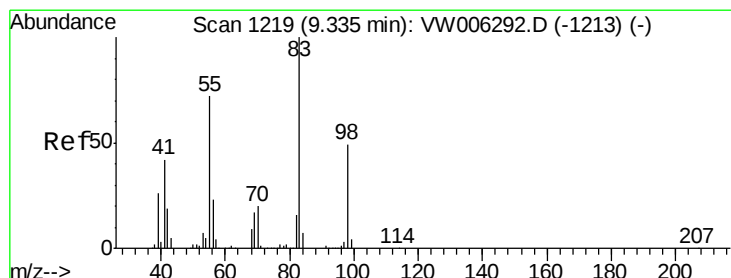
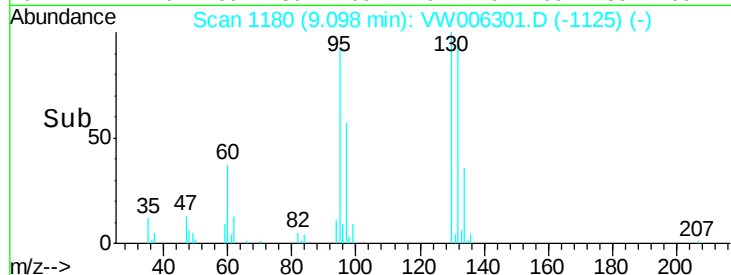
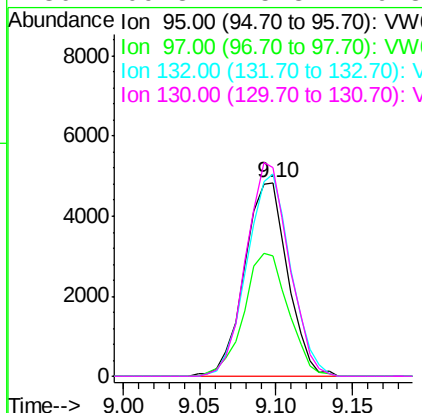
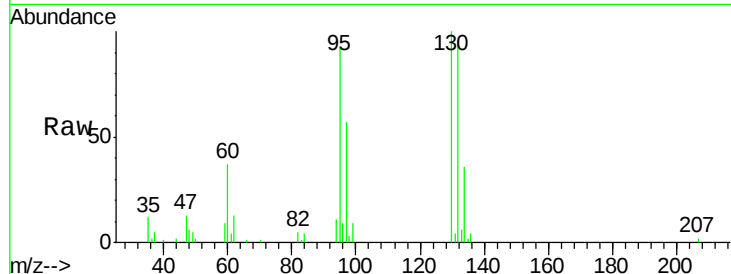
#35
 Trichloroethene
 Concen: 2.231 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	95	Resp:	9502
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.8	85.0
132	106.0	72.9	135.3
130	109.8	75.8	140.8

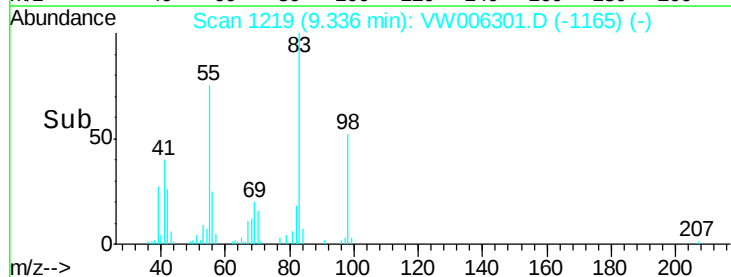
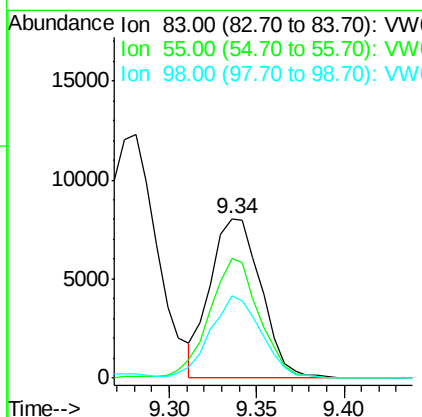
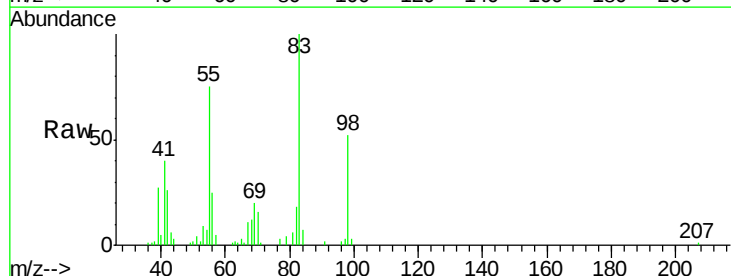
Manual Integrations
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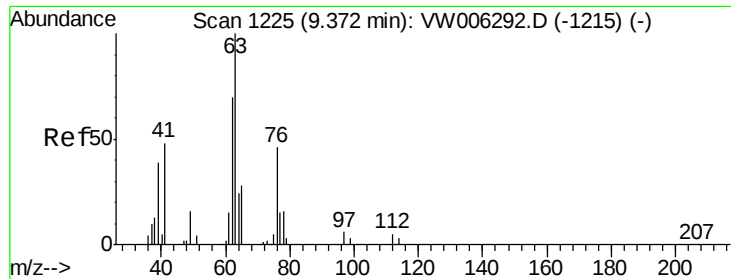
MMDadoda
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#36
 Methylcyclohexane
 Concen: 2.081 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion:	83	Resp:	16246
Ion	Ratio	Lower	Upper
83	100		
55	74.5	57.1	85.7
98	51.9	38.9	58.3





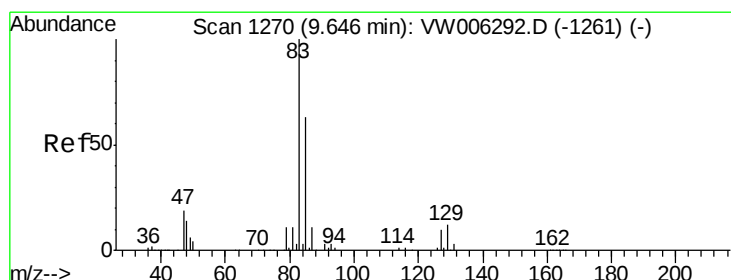
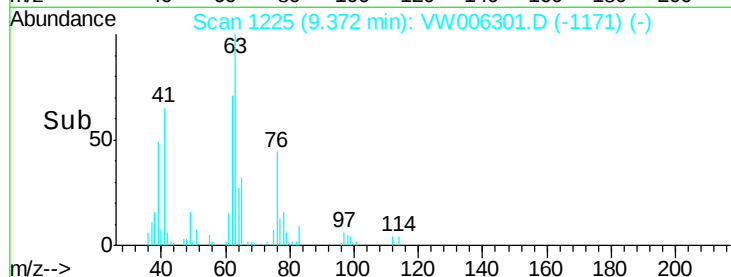
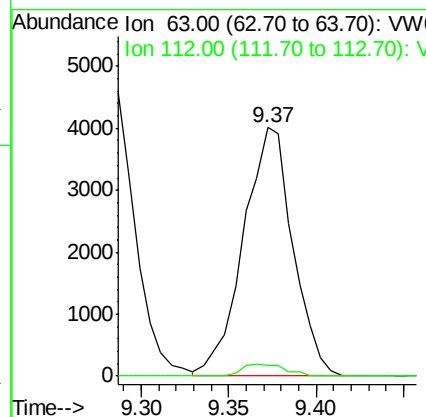
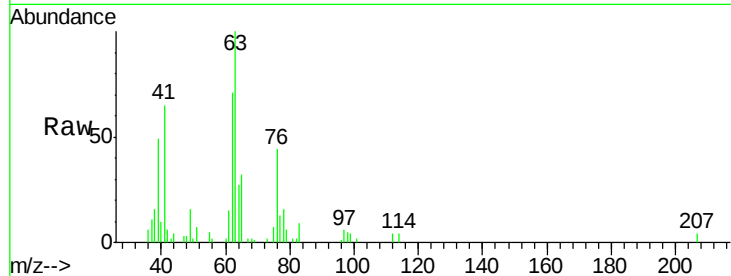
#40
 1,2-Dichloropropane
 Concen: 2.106 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL 2 PPB

Tgt Ion: 63 Resp: 7910
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3

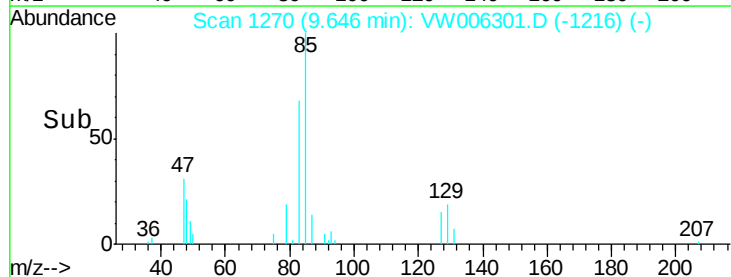
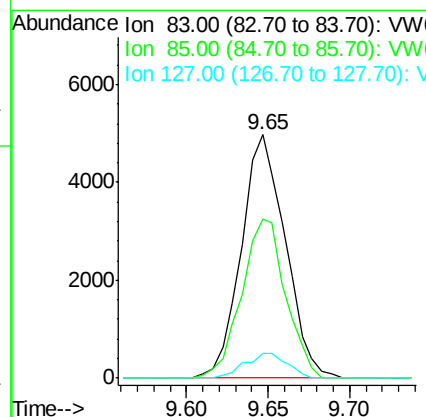
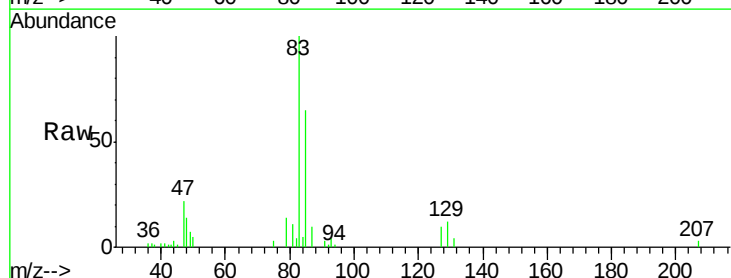
Manual Integrations
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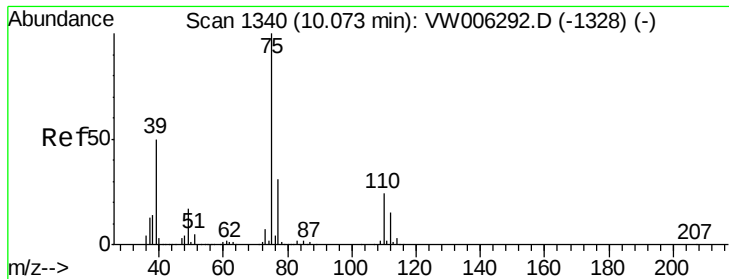
MMDadoda
 10/24/2018 2:07:45 PM



#41
 Bromodichloromethane
 Concen: 1.841 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion: 83 Resp: 9335
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.5 84.5
 127 10.0 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 1.800 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 75 Resp: 11044

Ion Ratio Lower Upper

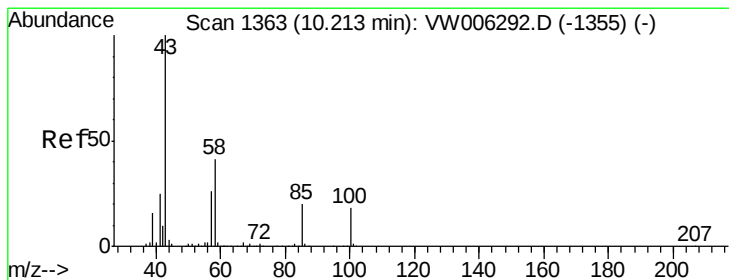
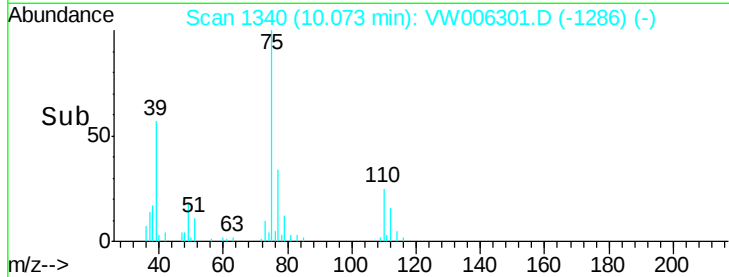
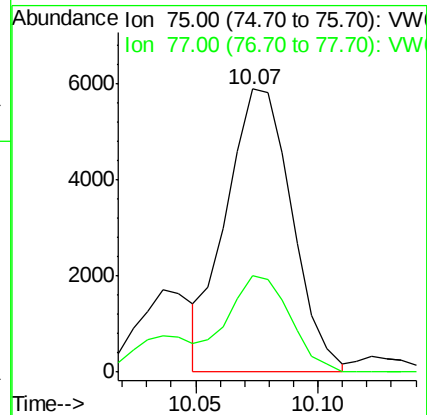
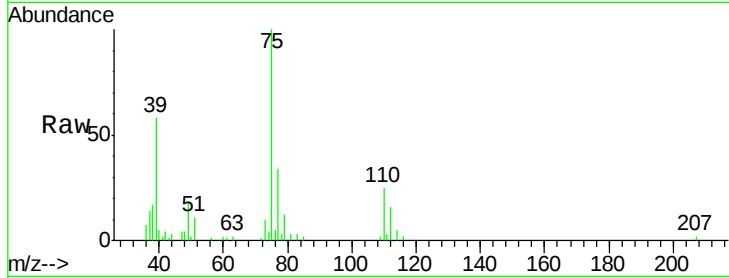
75 100

77 33.9 22.6 42.0

Manual Integrations
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#43

4-Methyl-2-pentanone

Concen: 4.222 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

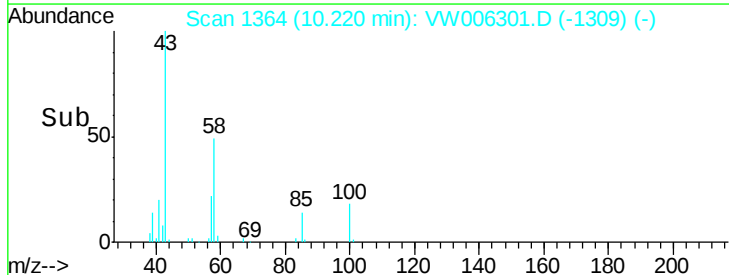
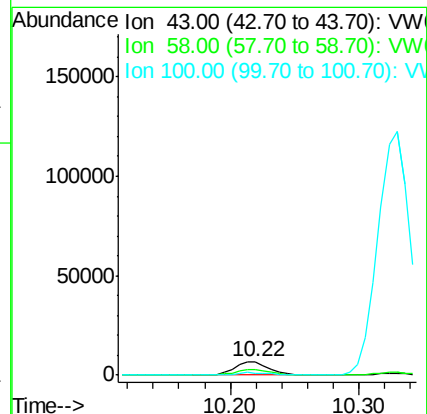
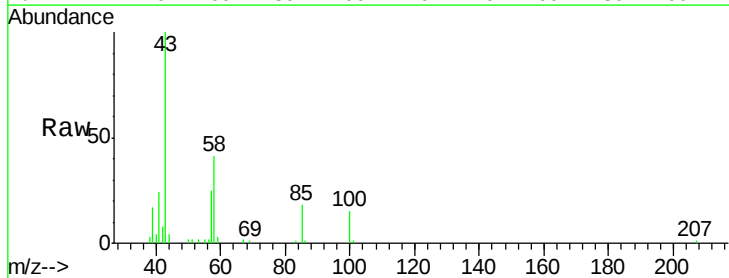
Tgt Ion: 43 Resp: 12705

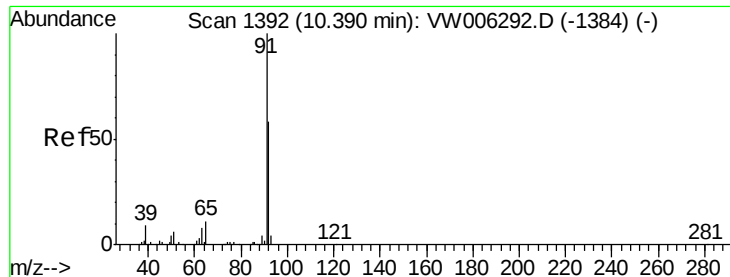
Ion Ratio Lower Upper

43 100

58 38.7 31.4 47.2

100 16.3 13.3 19.9





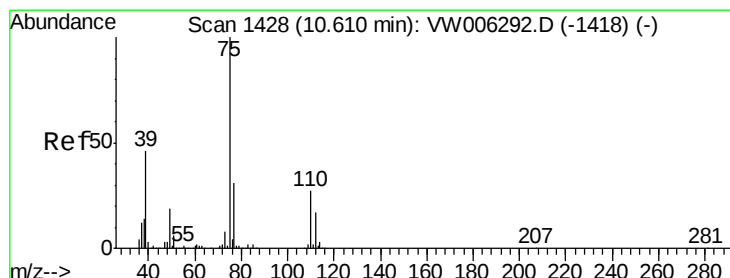
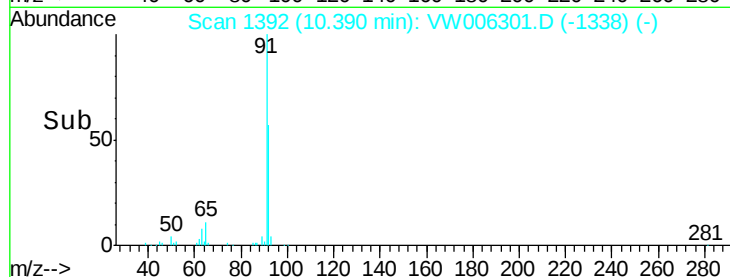
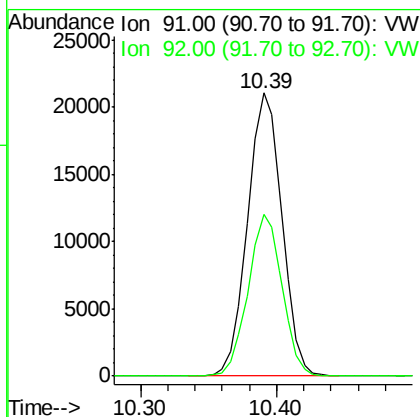
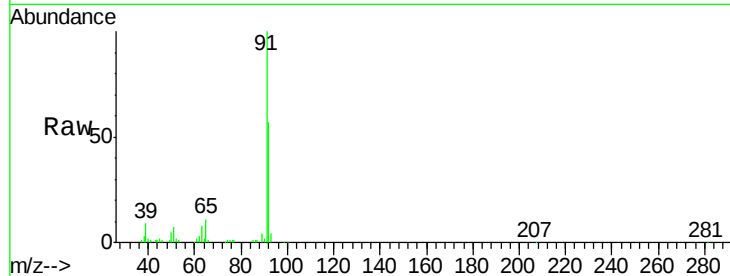
#44
Toluene
Concen: 2.201 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 91 Resp: 37426
Ion Ratio Lower Upper
91 100
92 57.1 40.4 75.0

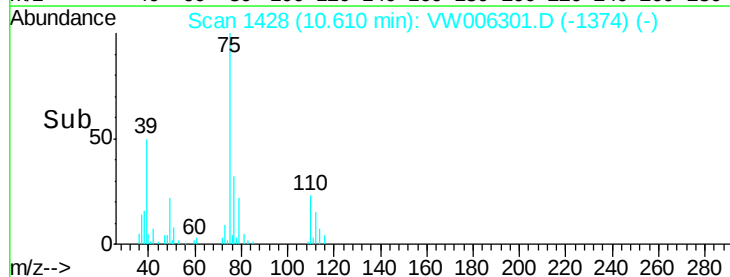
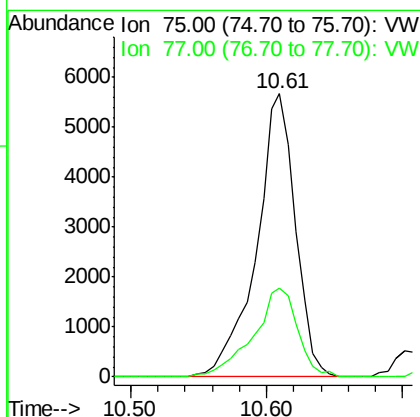
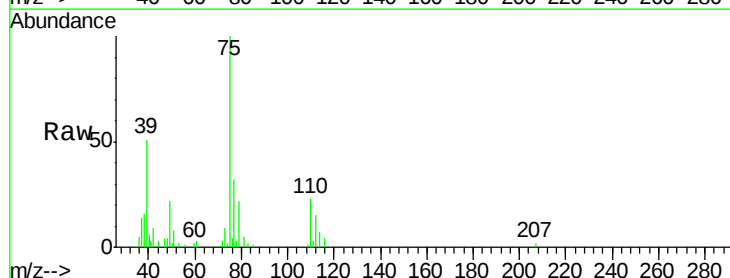
Manual Integrations
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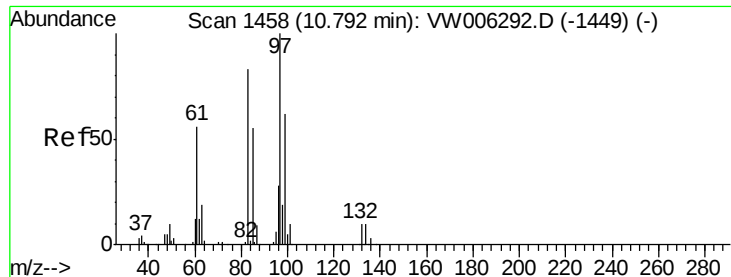
MMDadoda
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#45
trans-1,3-Dichloropropene
Concen: 2.119 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion: 75 Resp: 11357
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6





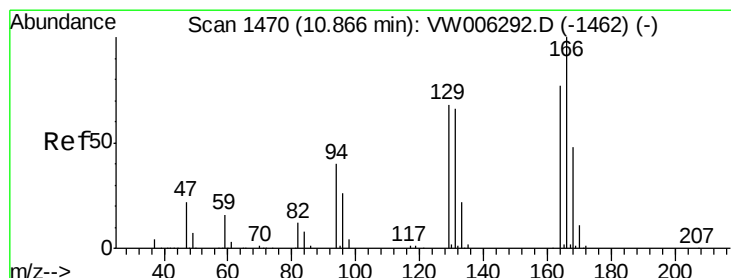
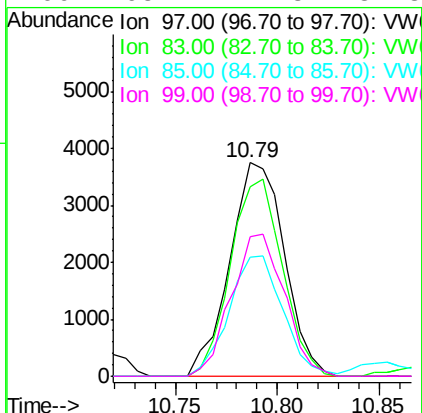
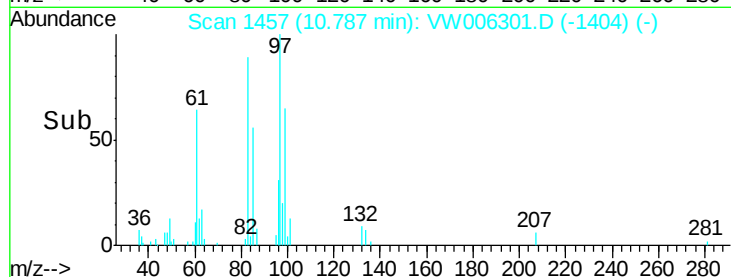
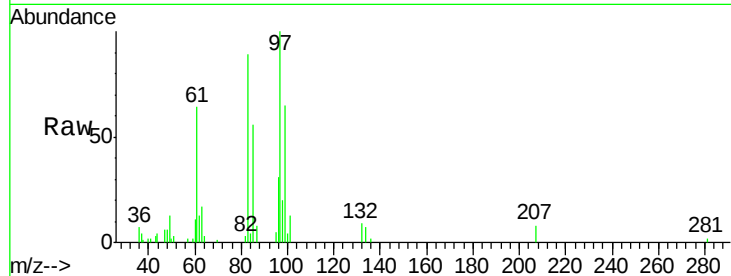
#46
1,1,2-Trichloroethane
Concen: 2.230 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:	97	Resp:	6976
Ion	Ratio	Lower	Upper
97	100		
83	88.7	60.0	111.4
85	55.9	38.7	71.9
99	65.2	44.3	82.3

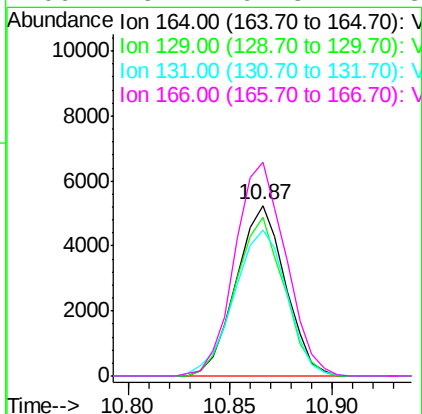
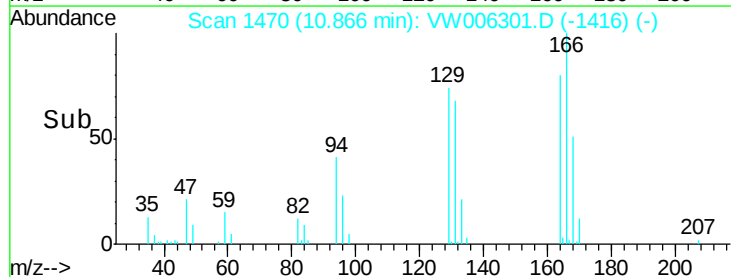
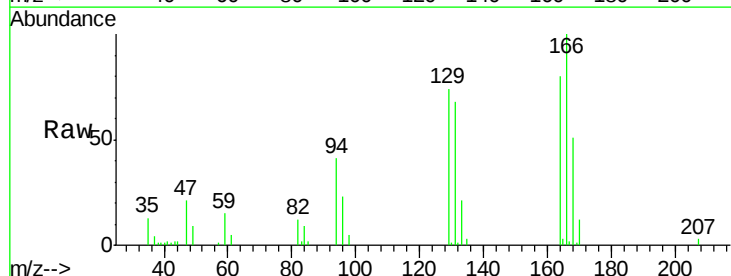
Manual Integrations
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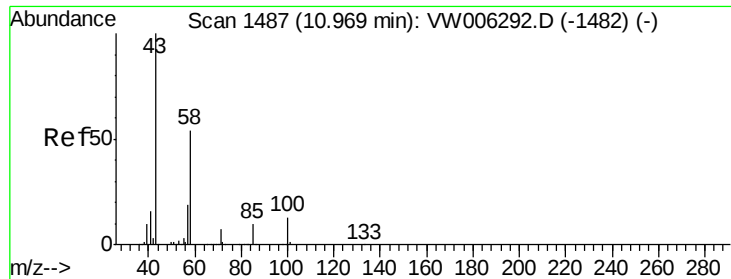
MMDadoda
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#47
Tetrachloroethene
Concen: 2.224 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion:	164	Resp:	8769
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.4	121.4
131	85.9	63.8	118.4
166	125.4	92.3	171.3





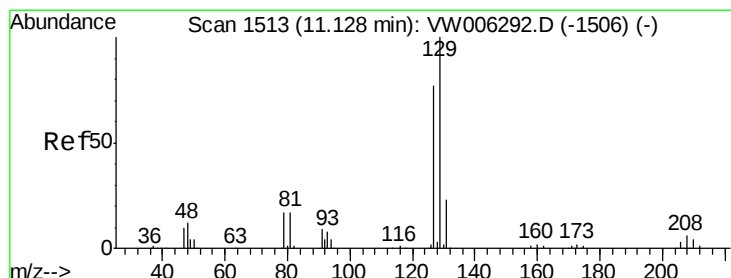
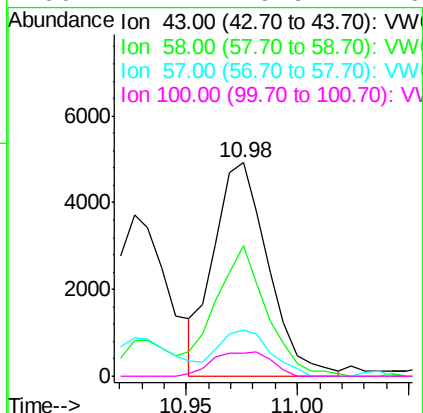
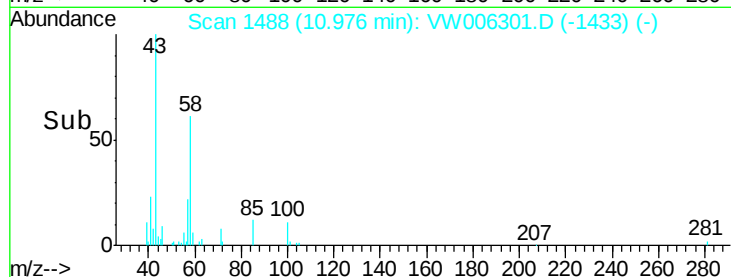
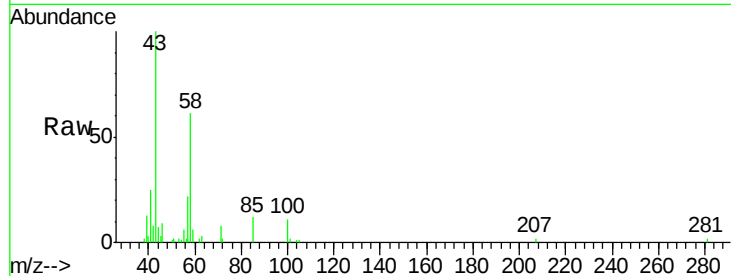
#49
2-Hexanone
Concen: 3.775 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:	43	Resp:	8373
Ion	Ratio	Lower	Upper
43	100		
58	59.1	42.1	63.1
57	20.3	15.1	22.7
100	12.4	9.9	14.9

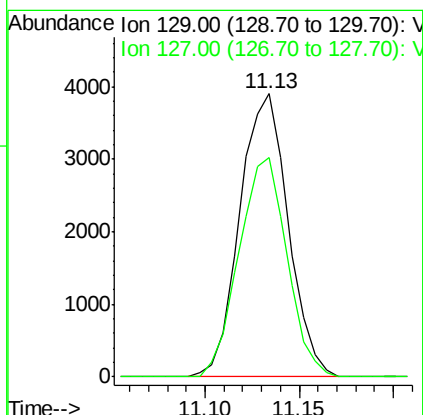
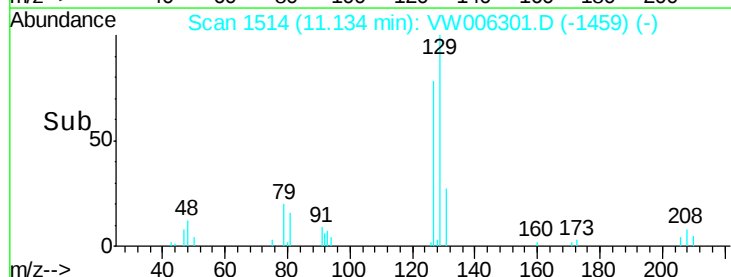
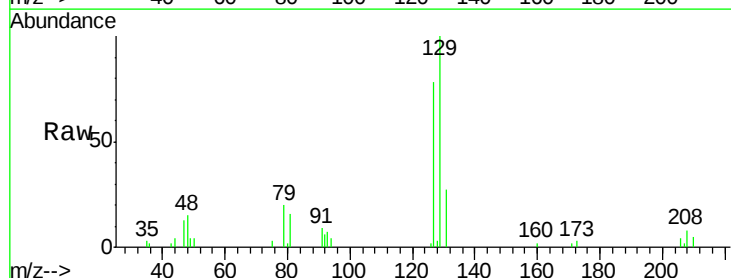
Manual Integrations
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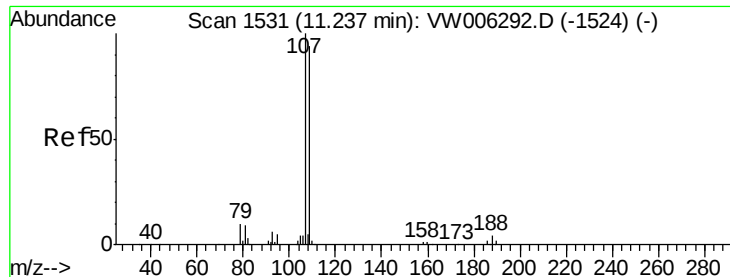
MMDadoda
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#50
Dibromochloromethane
Concen: 1.732 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion:	129	Resp:	6943
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.4	101.0





#51

1,2-Dibromoethane

Concen: 2.117 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

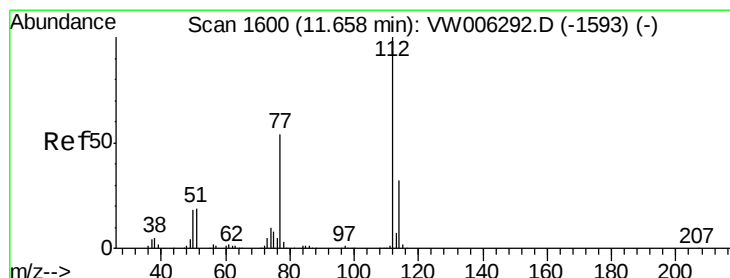
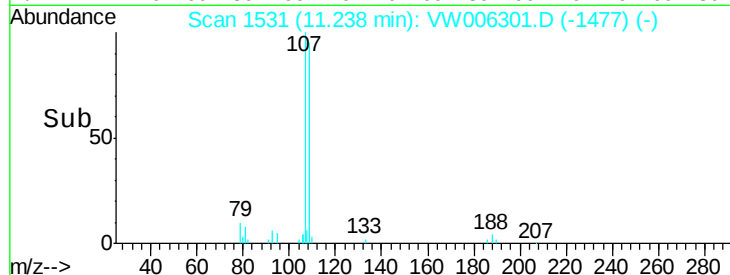
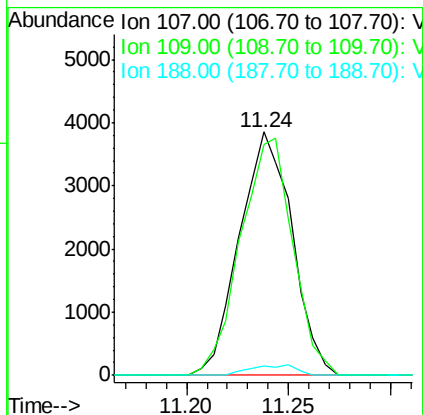
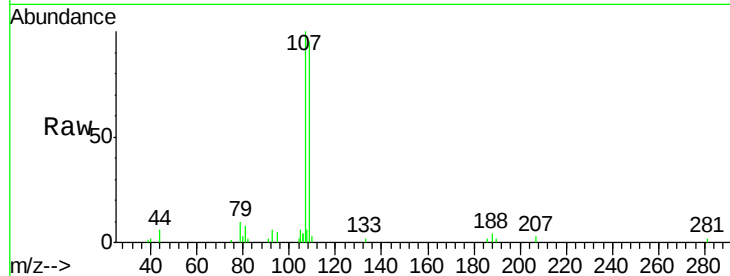
MDL 2 PPB

Tgt Ion:	107	Resp:	6893
Ion Ratio	Lower	Upper	
107	100		
109	94.7	66.6	123.8
188	3.6	3.4	5.0

Manual Integrations
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MMDadoda

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#52

Chlorobenzene

Concen: 2.182 ug/L

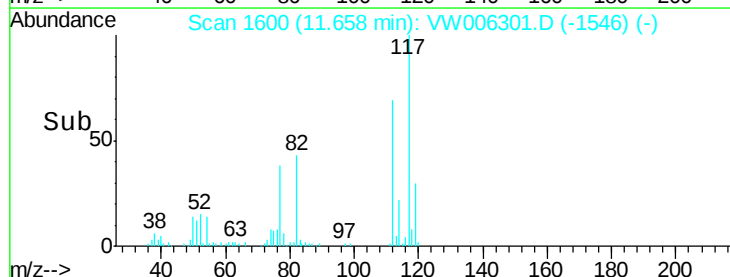
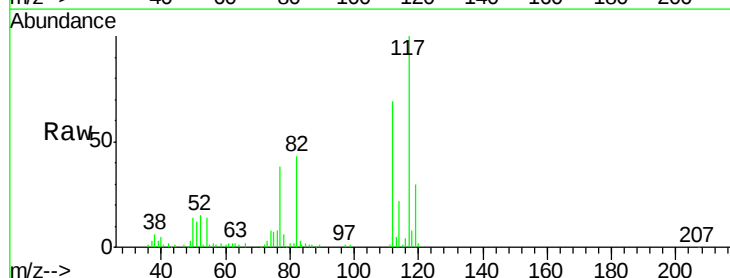
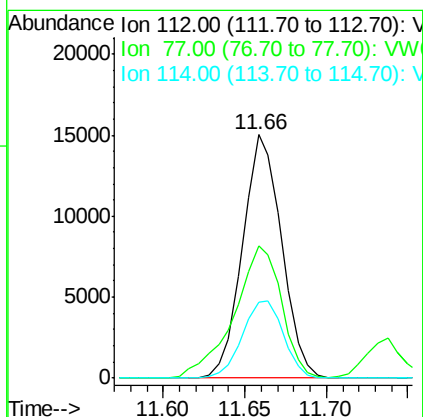
RT: 11.66 min Scan# 1600

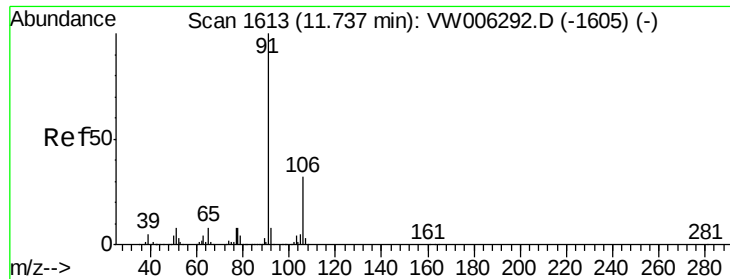
Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Tgt Ion:	112	Resp:	25098
Ion Ratio	Lower	Upper	
112	100		
77	54.2	44.2	66.2
114	31.4	22.1	41.1





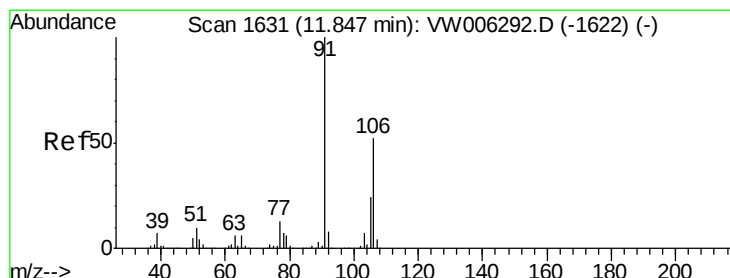
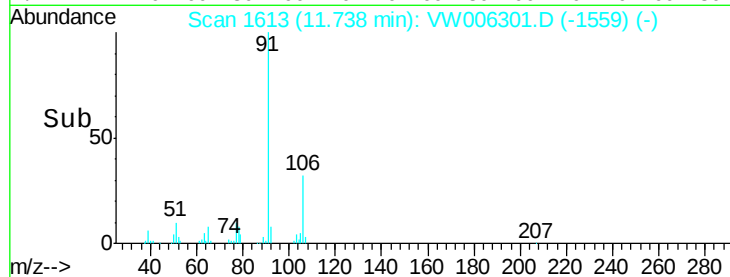
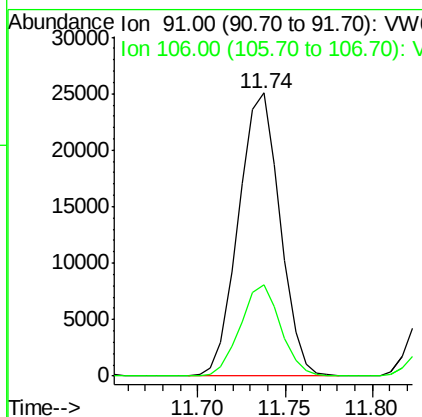
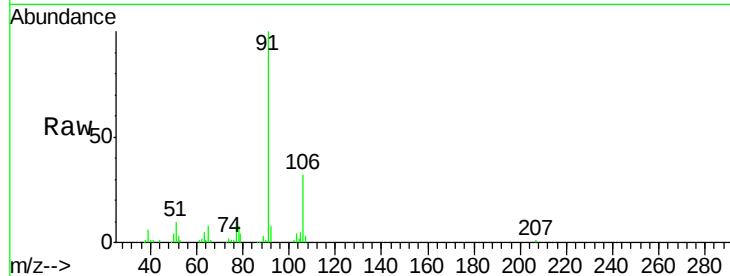
#53
Ethylbenzene
Concen: 2.091 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

Tgt Ion: 91 Resp: 41392
Ion Ratio Lower Upper
91 100
106 32.1 22.6 42.0

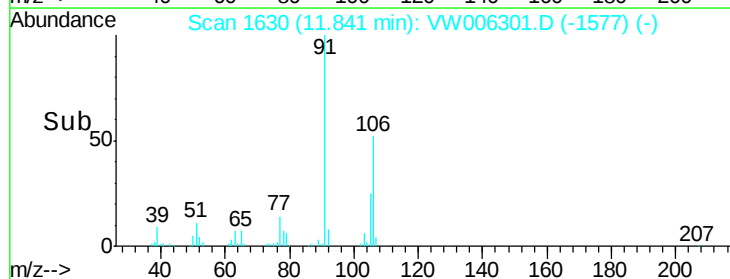
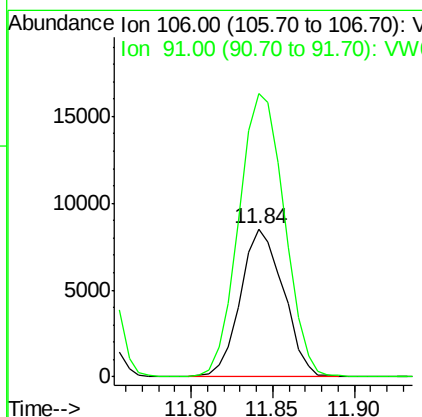
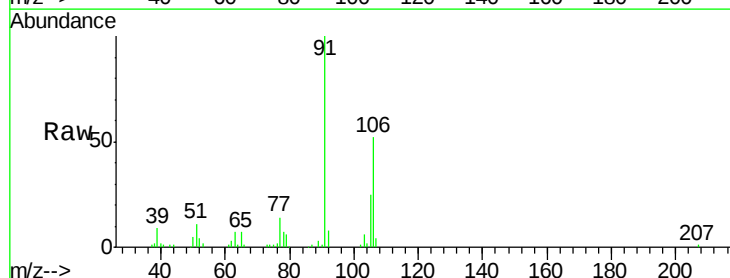
Manual Integrations
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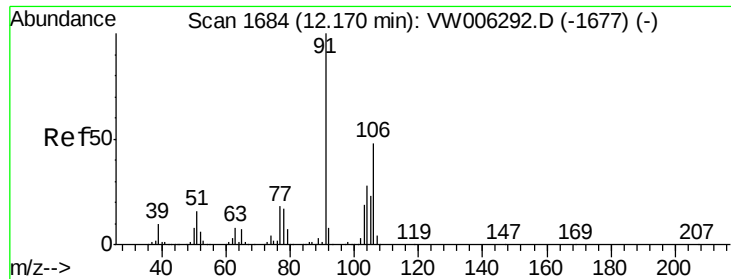
MMDadoda
10/24/2018 2:07:45 PM



#54
m,p-Xylene
Concen: 2.013 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion: 106 Resp: 15614
Ion Ratio Lower Upper
106 100
91 191.7 138.4 257.0





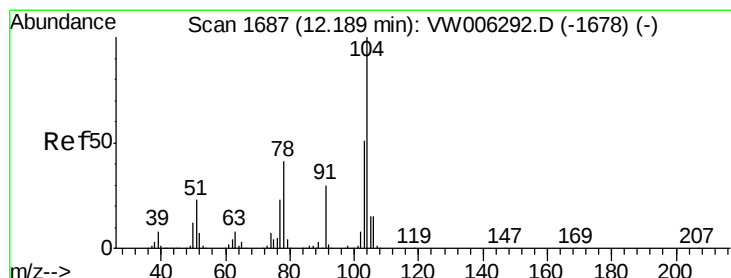
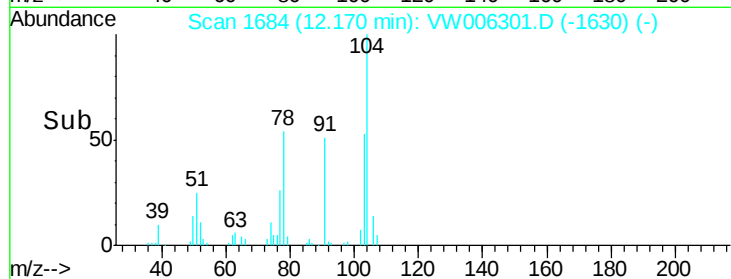
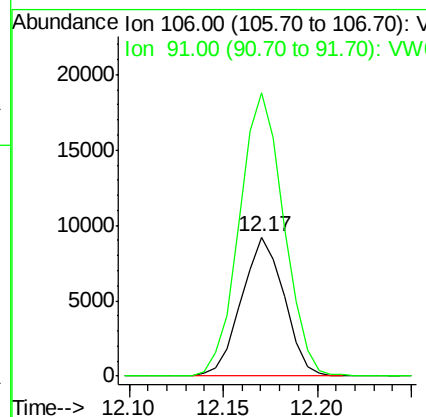
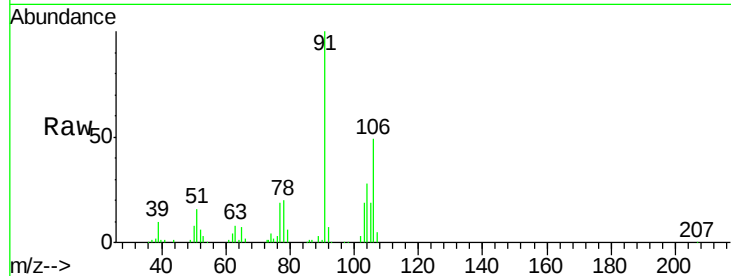
#55
o-xylene
Concen: 1.958 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

Tgt Ion:106 Resp: 14503
Ion Ratio Lower Upper
106 100
91 203.9 148.7 276.1

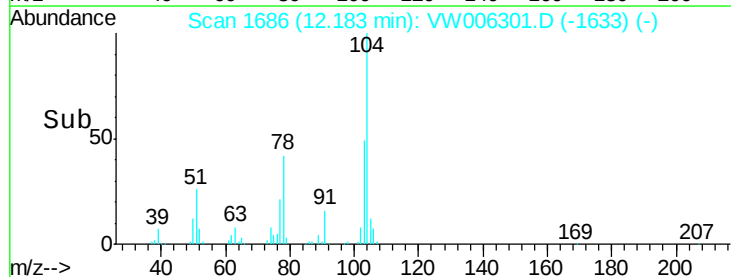
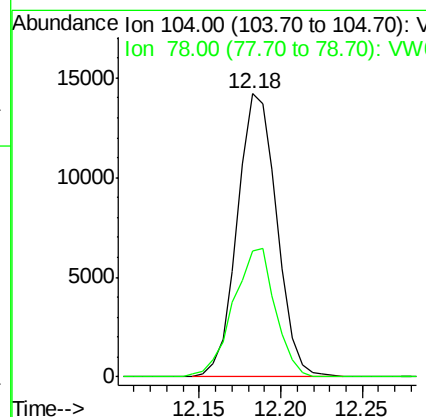
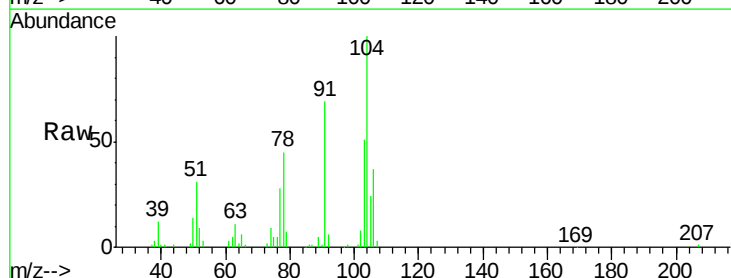
Manual Integrations
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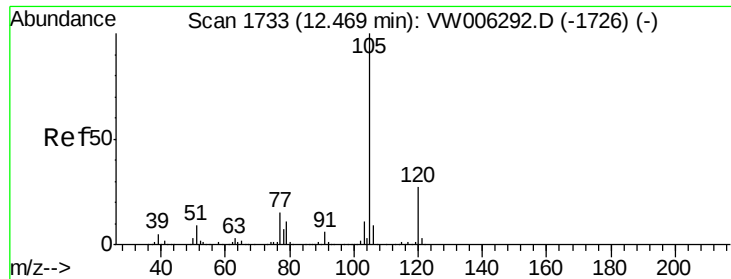
MMDadoda
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#56
Styrene
Concen: 1.874 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion:104 Resp: 23911
Ion Ratio Lower Upper
104 100
78 44.6 31.2 58.0





#57

Isopropylbenzene

Concen: 1.987 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006301.D

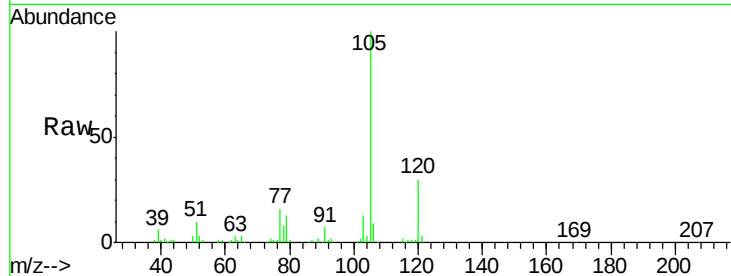
Acq: 23 Oct 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

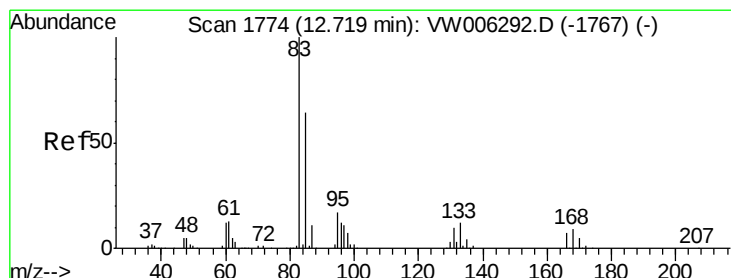
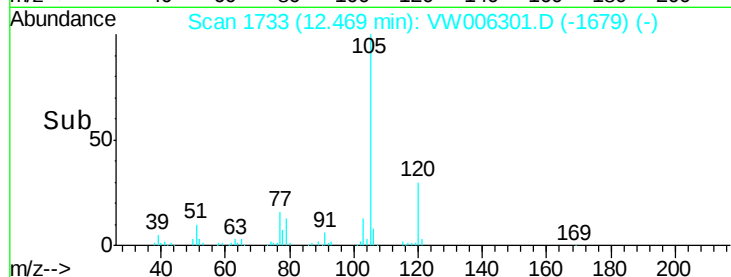
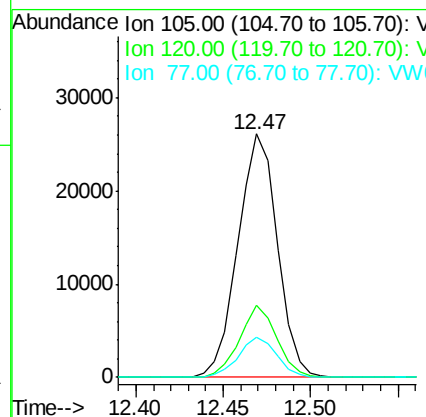


Tgt Ion:	105	Resp:	40943
Ion Ratio	Lower	Upper	
105	100		
120	27.8	21.8	32.6
77	16.1	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.380 ug/L

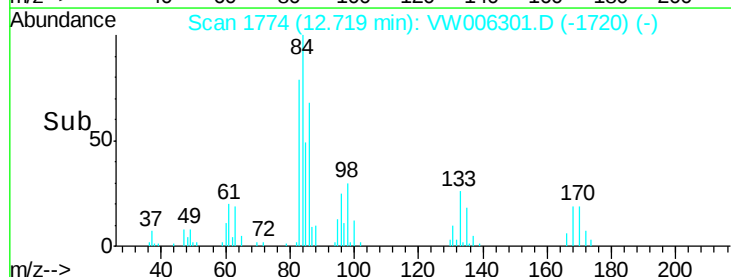
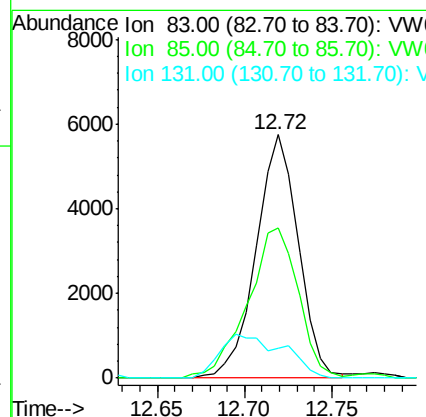
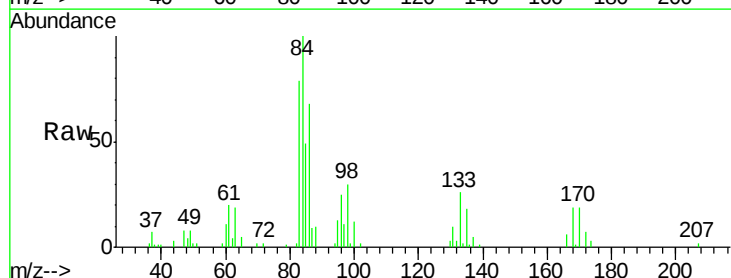
RT: 12.72 min Scan# 1774

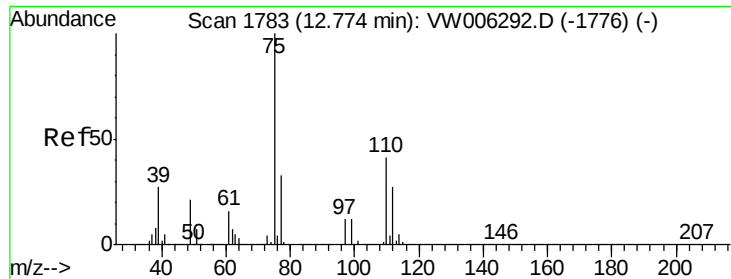
Delta R.T. 0.00 min

Lab File: VW006301.D

Acq: 23 Oct 2018 18:07

Tgt Ion:	83	Resp:	9675
Ion Ratio	Lower	Upper	
83	100		
85	61.5	44.8	83.2
131	12.3	9.0	13.4





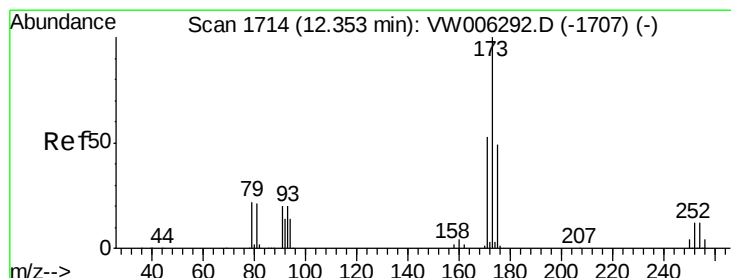
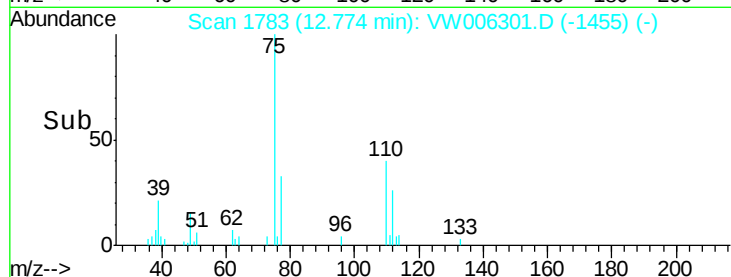
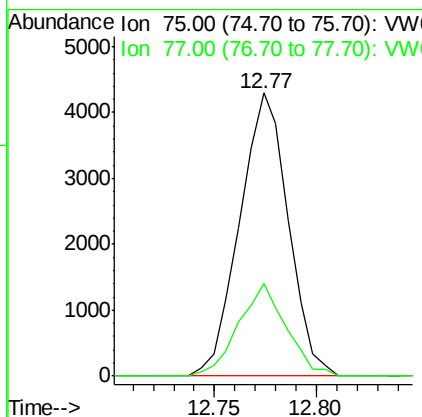
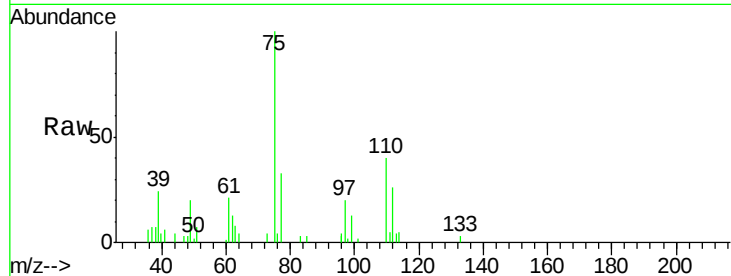
#59
 1,2,3-Trichloropropane
 Concen: 2.340 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL 2 PPB

Tgt Ion: 75 Resp: 7097
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9

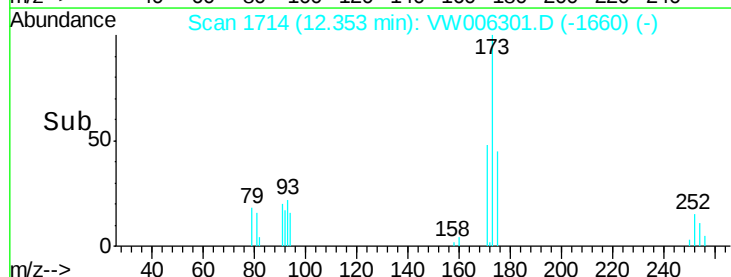
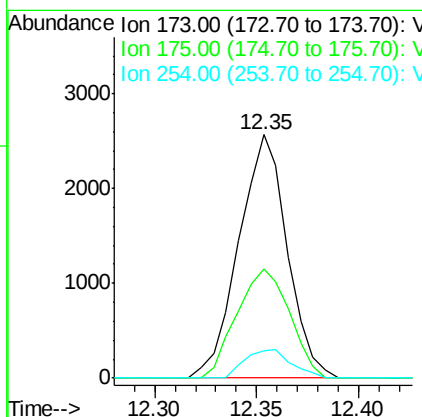
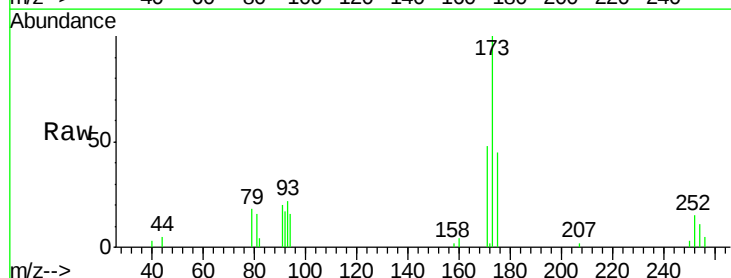
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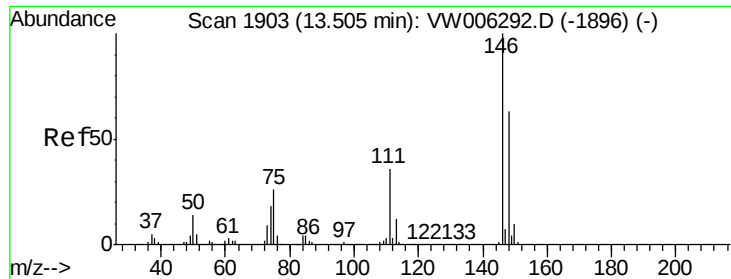
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#62
 Bromoform
 Concen: 1.618 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion: 173 Resp: 4223
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.1 58.7
 254 11.2 9.2 13.8





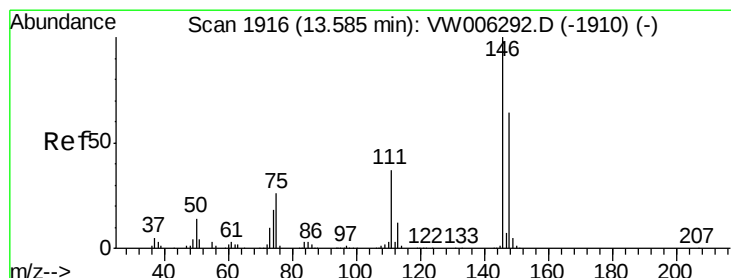
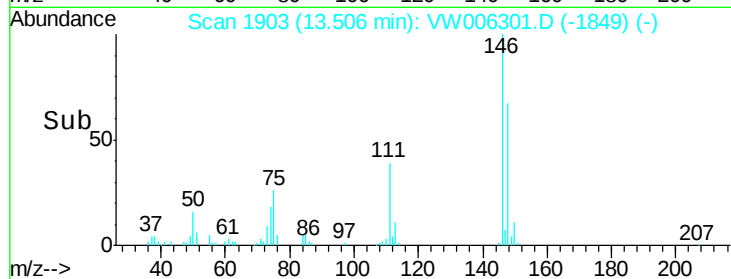
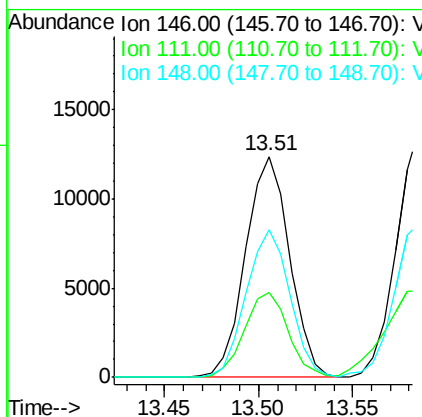
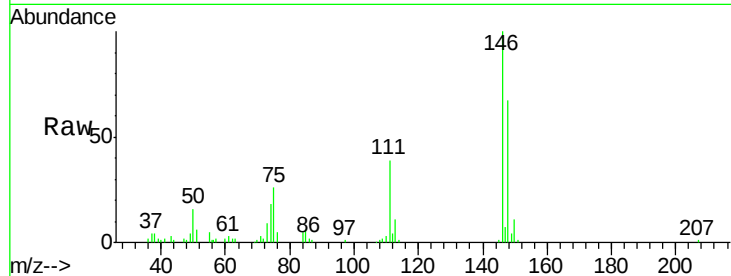
#63
 1,3-Dichlorobenzene
 Concen: 2.099 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.3	48.9
148	67.1	44.7	82.9

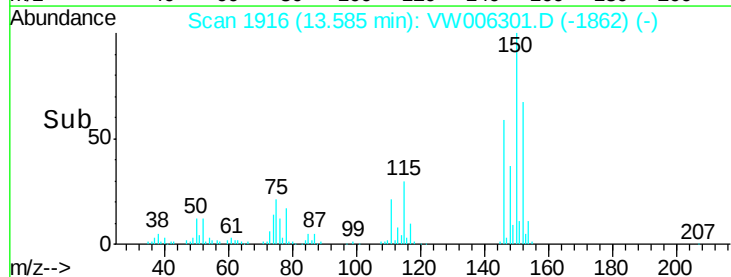
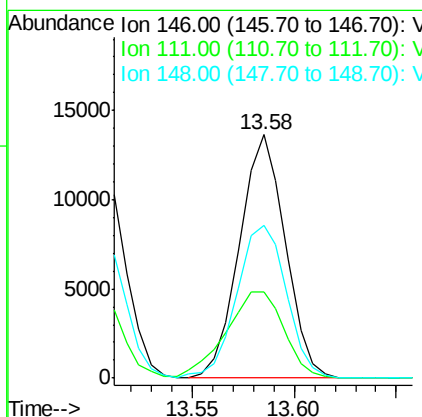
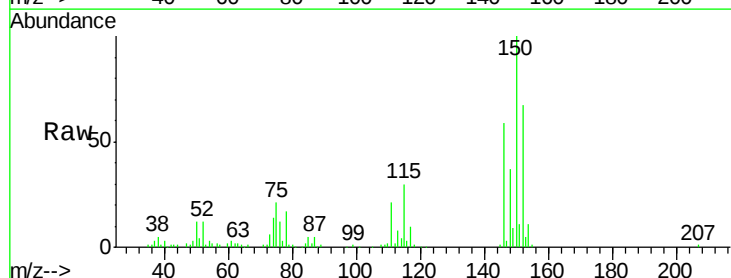
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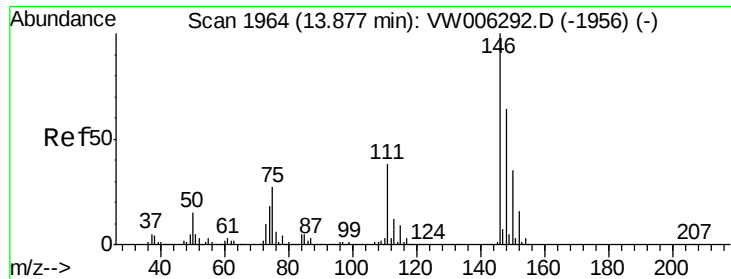
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#64
 1,4-Dichlorobenzene
 Concen: 2.214 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	24.7	45.9
148	63.0	44.9	83.5





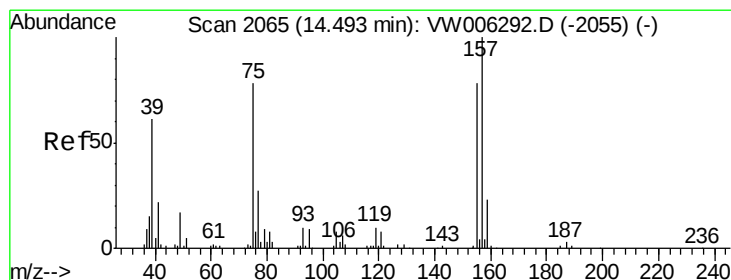
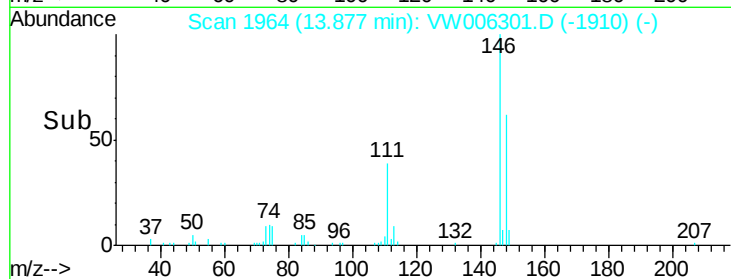
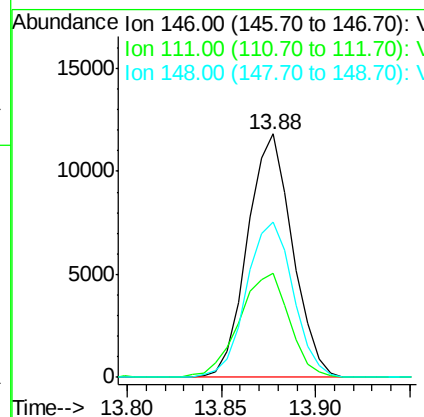
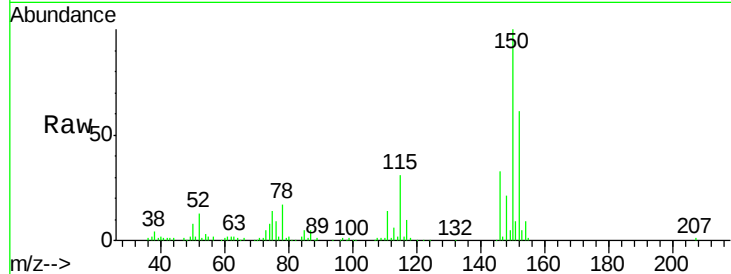
#65
 1,2-Dichlorobenzene
 Concen: 2.217 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	31.1	46.7
148	63.8	51.2	76.8

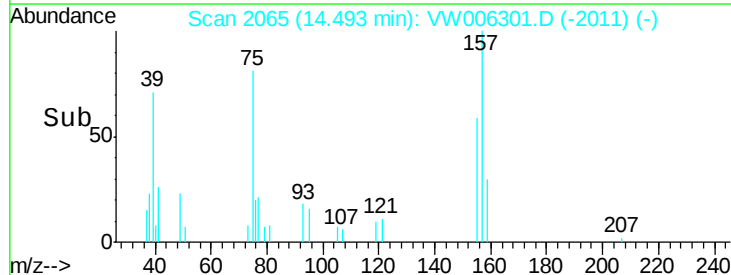
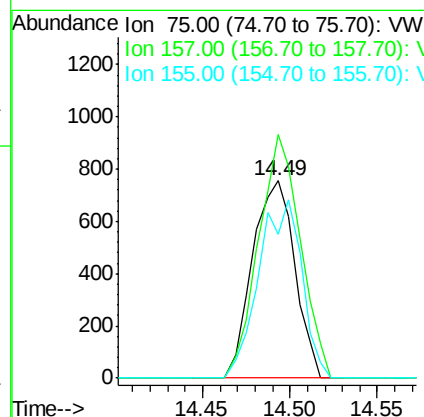
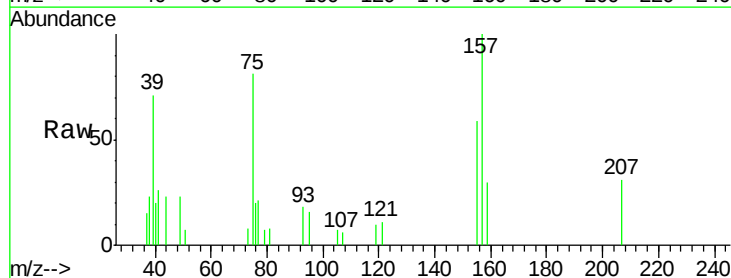
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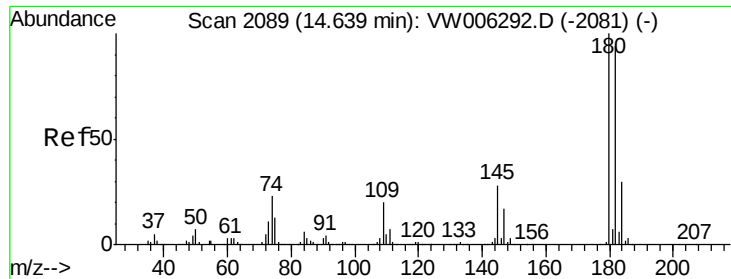
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.788 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006301.D
 Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
157	123.4	106.8	160.2
155	72.6	79.2	118.8#





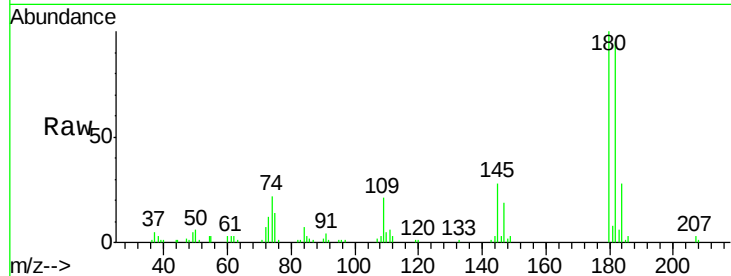
#67
1,3,5-Trichlorobenzene
Concen: 2.079 ug/L
RT: 14.64 min Scan# 2089
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16038		
182	97.2	76.0	114.0	
184	30.6	24.3	36.5	
145	28.1	22.6	33.8	

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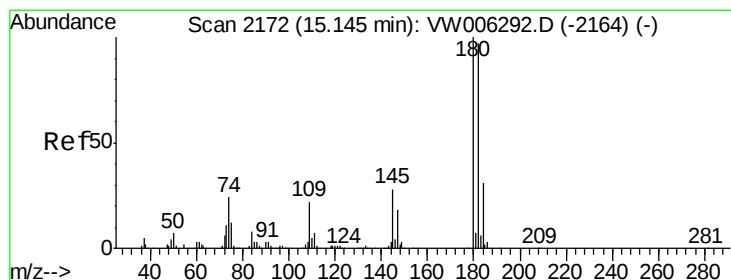
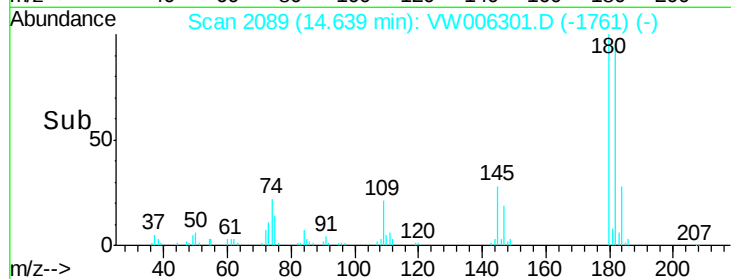
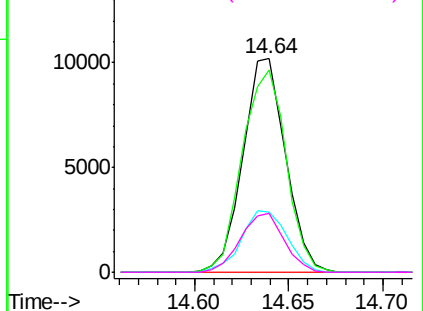
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

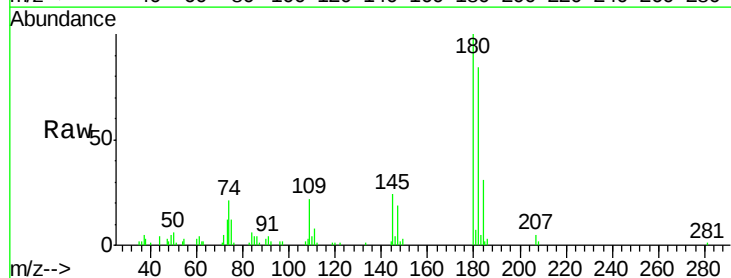
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
1,2,4-trichlorobenzene
Concen: 2.064 ug/L
RT: 15.15 min Scan# 2172
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	13576		
182	91.2	76.2	114.2	
145	27.6	23.0	34.6	

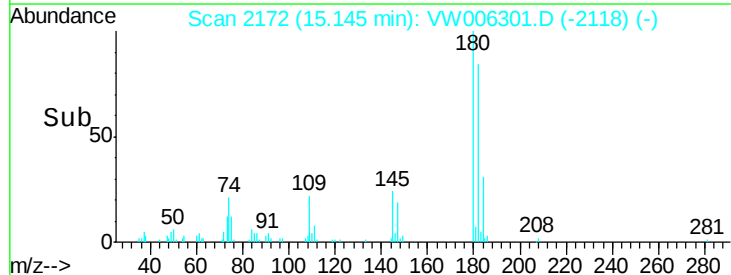
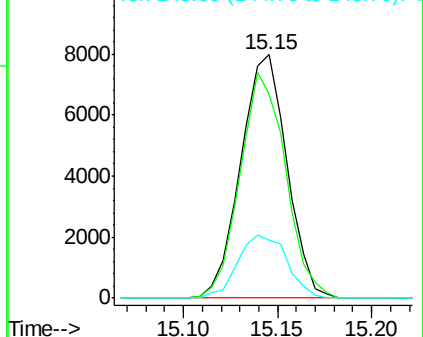


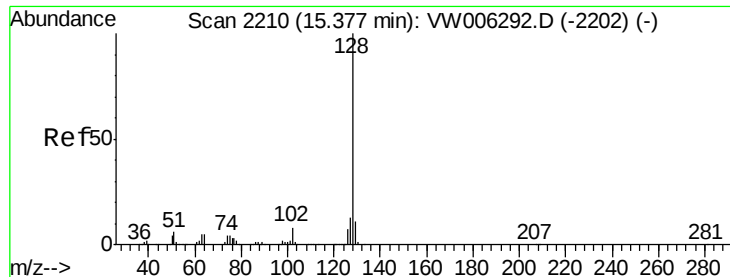
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





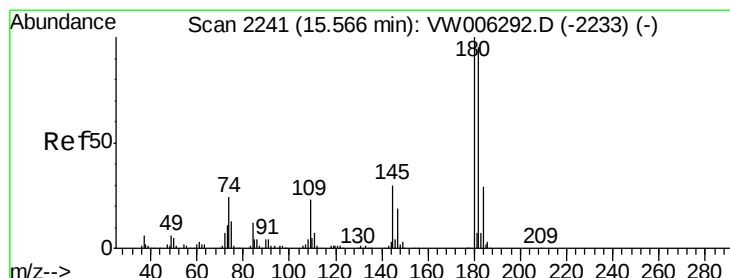
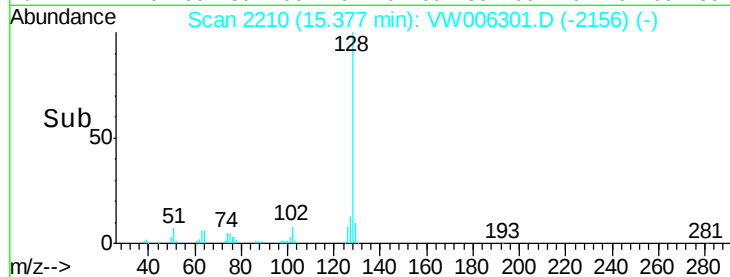
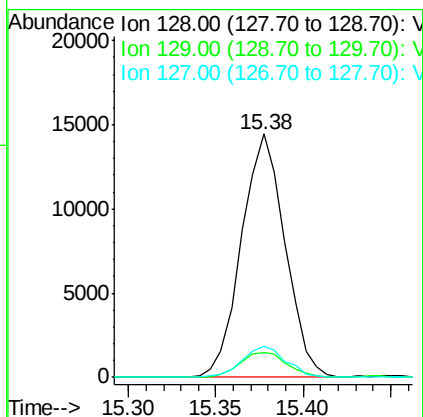
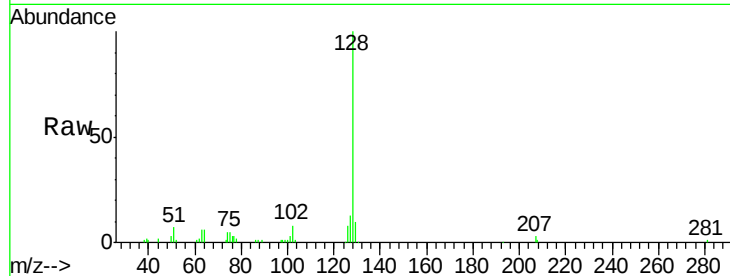
#69
Naphthalene
Concen: 1.882 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	25059		
129	11.1		8.9	13.3
127	12.7		10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 2.034 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006301.D
Acq: 23 Oct 2018 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12021		
182	100.1		75.5	113.3
145	29.4		24.5	36.7

