

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006303.D
 Acq On : 23 Oct 2018 18:59
 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 2:07:57 PM

Quant Time: Oct 24 05:33:50 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	343835	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	169850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76969	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.40%
7) Chloroethane-d5	2.90	69	76328	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
10) 1,1-Dichloroethene-d2	4.01	63	125660	16.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.52%
20) 2-Butanone-d5	7.09	46	56662	44.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.16%
24) Chloroform-d	7.65	84	173265	23.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	8.31	65	99737	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.80%
29) Benzene-d6	8.28	84	351293	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.28	67	102890	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.96%
37) Toluene-d8	10.33	98	346790	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.56%
38) trans-1,3-Dichloropropene-	10.58	79	41326	19.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.84%
39) 2-Hexanone-d5	10.93	63	46505	43.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100889	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	146622	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

				Qvalue
2) Dichlorodifluoromethane	2.02	85	9070m	2.791 ug/L
3) Chloromethane	2.21	50	7826	2.452 ug/L
5) Vinyl chloride	2.37	62	11085	2.155 ug/L #
6) Bromomethane	2.79	94	8321	2.078 ug/L
8) Chloroethane	2.93	64	6901	2.189 ug/L
9) Trichlorofluoromethane	3.26	101	8642	2.100 ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10098	2.454 ug/L
12) 1,1-Dichloroethene	4.04	96	9305	2.357 ug/L #
13) Acetone	4.14	43	5770	4.444 ug/L
14) Carbon disulfide	4.38	76	22537	1.746 ug/L
15) Methyl Acetate	4.67	43	4195m	1.995 ug/L
16) Methylene chloride	4.91	84	17421	3.924 ug/L
17) Methyl tert-butyl Ether	5.43	73	13294	2.069 ug/L #
18) trans-1,2-Dichloroethene	5.43	96	9159	2.096 ug/L
19) 1,1-Dichloroethane	6.22	63	13967	1.975 ug/L
21) 2-Butanone	7.19	43	7200m	4.173 ug/L
22) cis-1,2-Dichloroethene	7.17	96	9752	2.046 ug/L

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 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	4311	1.923	ug/L	91
25) Chloroform	7.68	83	16809	2.208	ug/L	90
27) 1,2-Dichloroethane	8.40	62	11040	2.127	ug/L	100
30) Cyclohexane	7.96	56	13543	1.907	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	13281	1.964	ug/L	96
32) Carbon tetrachloride	8.07	117	12203	1.840	ug/L	97
34) Benzene	8.33	78	34787m	2.097	ug/L	
35) Trichloroethene	9.10	95	9613	2.060	ug/L	99
36) Methylcyclohexane	9.34	83	16568	1.937	ug/L	98
40) 1,2-Dichloropropane	9.37	63	8418	2.046	ug/L	100
41) Bromodichloromethane	9.65	83	9910	1.783	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	11952	1.778	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	11283	3.422	ug/L	97
44) Toluene	10.39	91	39198	2.104	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	12201	2.078	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	7144	2.085	ug/L	98
47) Tetrachloroethene	10.87	164	9069	2.099	ug/L	92
49) 2-Hexanone	10.97	43	7719	3.176	ug/L	94
50) Dibromochloromethane	11.13	129	7216	1.643	ug/L	95
51) 1,2-Dibromoethane	11.24	107	7260	2.035	ug/L #	99
52) Chlorobenzene	11.66	112	26288	2.085	ug/L	97
53) Ethylbenzene	11.74	91	42605	1.965	ug/L	100
54) m,p-Xylene	11.84	106	16231	1.910	ug/L	95
55) o-xylene	12.17	106	15284	1.883	ug/L	98
56) Styrene	12.18	104	24904	1.782	ug/L	97
57) Isopropylbenzene	12.47	105	41866	1.854	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9437	2.119	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	6945	2.090	ug/L	100
62) Bromoform	12.35	173	4399	1.546	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	21516	2.063	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	22357	2.128	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	20419	2.128	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1433	1.855	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	16929	2.013	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	14040	1.958	ug/L	100
69) Naphthalene	15.38	128	25740	1.773	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	12742	1.978	ug/L	97

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

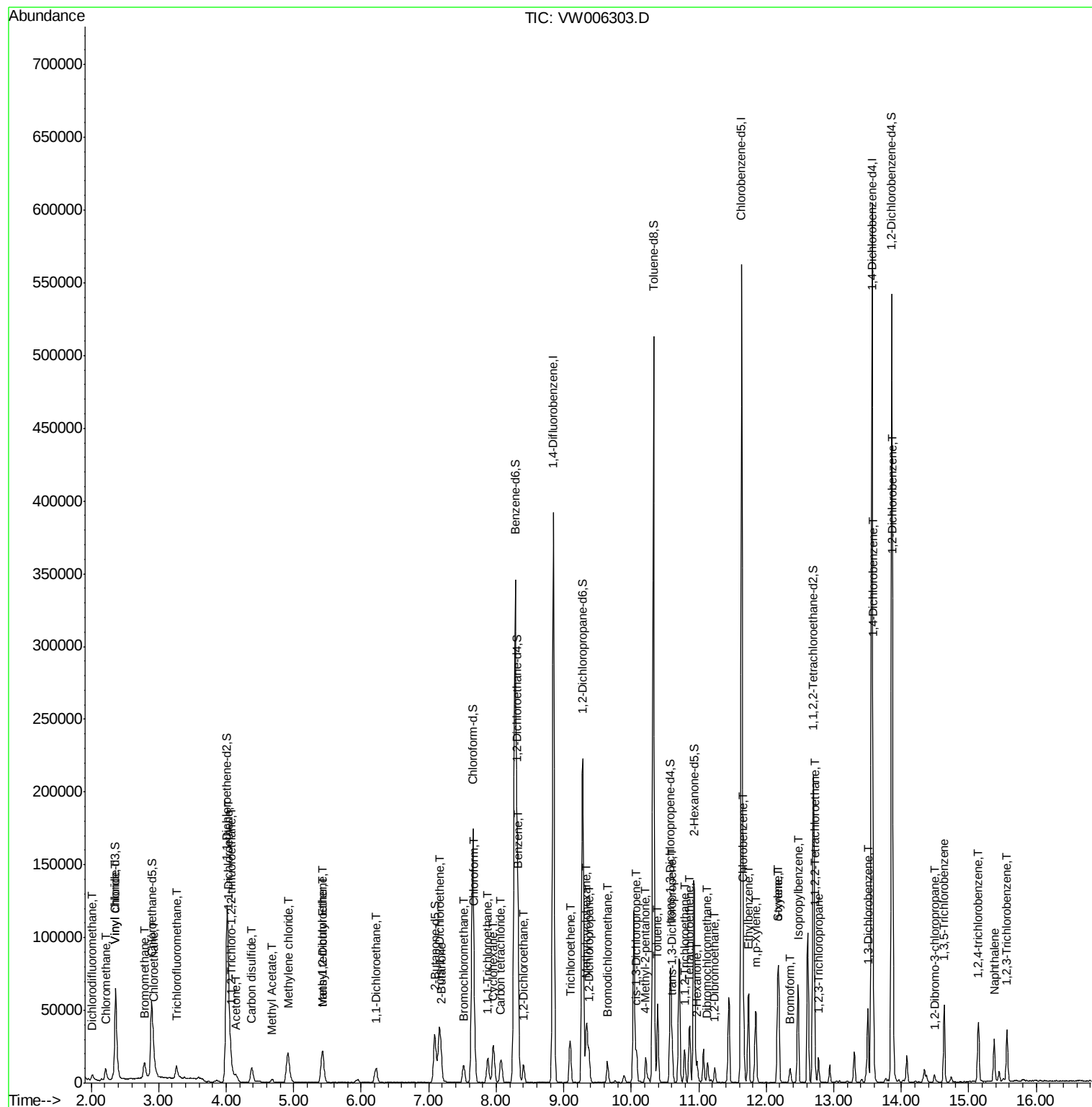
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
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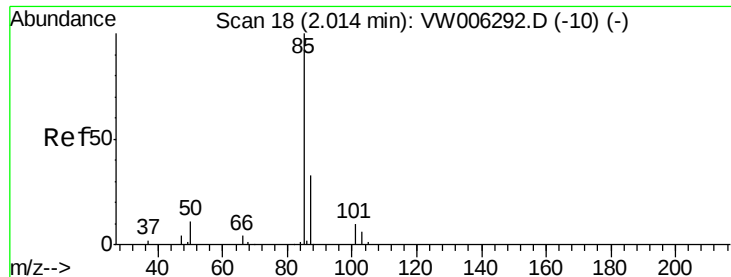
Instrument :
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#2

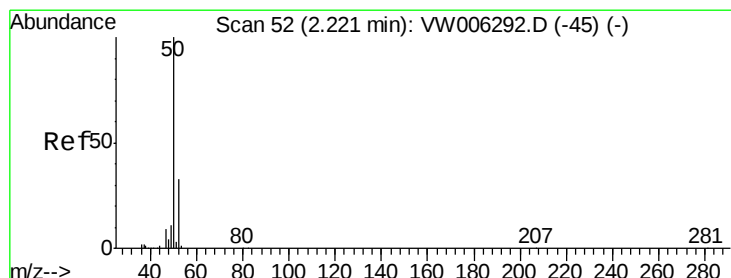
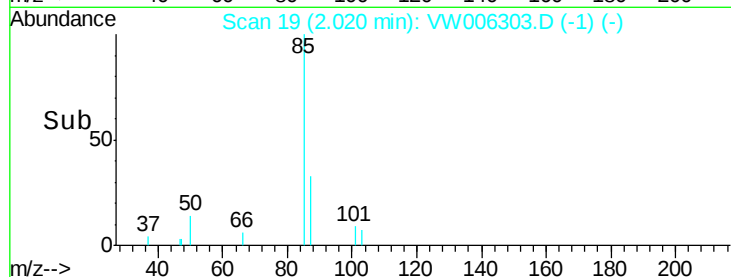
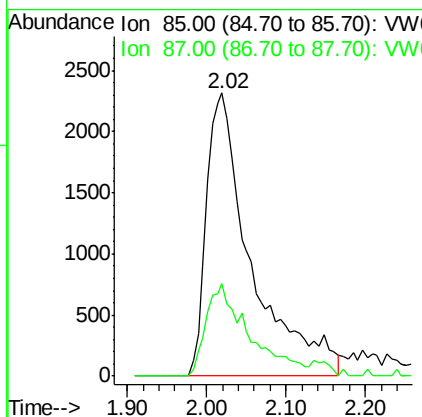
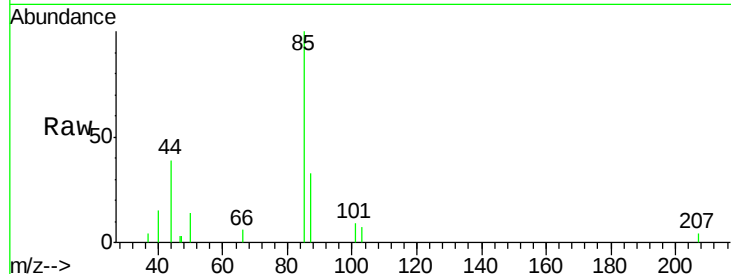
Dichlorodifluoromethane
Concen: 2.791 ug/L m
RT: 2.02 min Scan# 19
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.5	19.2	35.6

Manual Integrations
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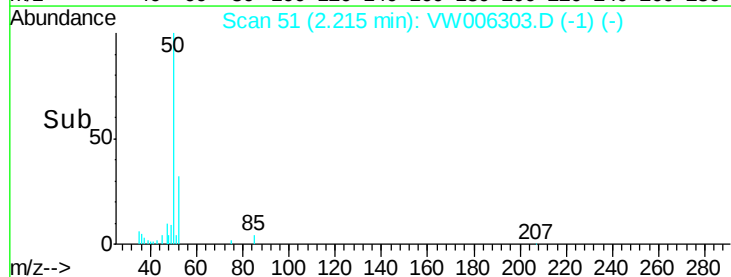
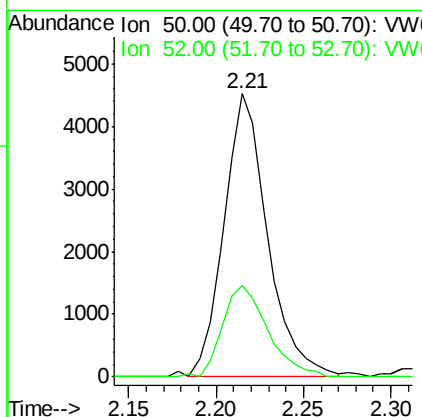
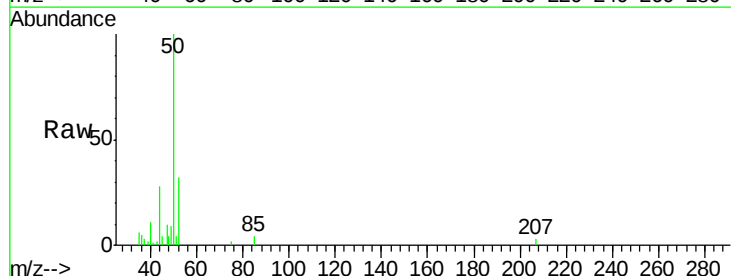
MMDadoda
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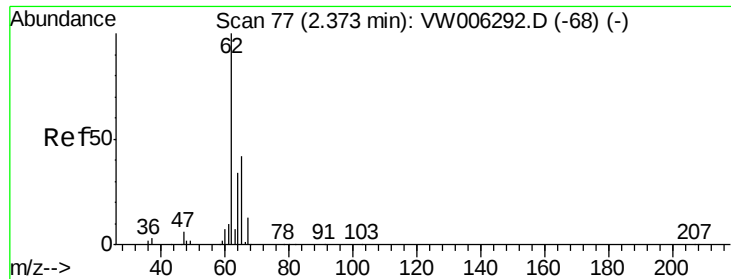


#3

Chloromethane
Concen: 2.452 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.3	22.3	41.3





#5

Vinyl chloride

Concen: 2.155 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 62 Resp: 11085

Ion Ratio Lower Upper

62 100

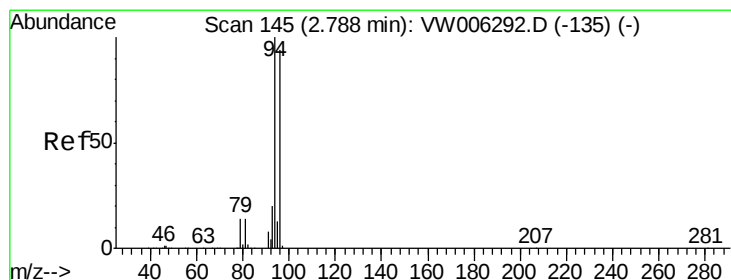
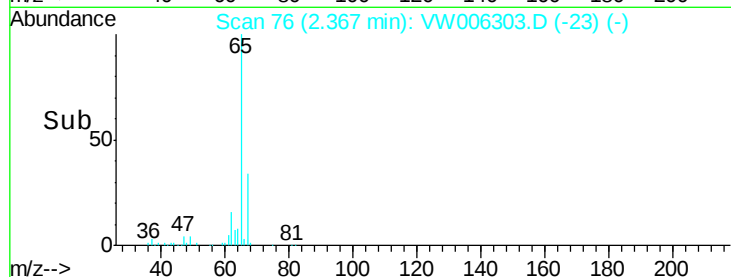
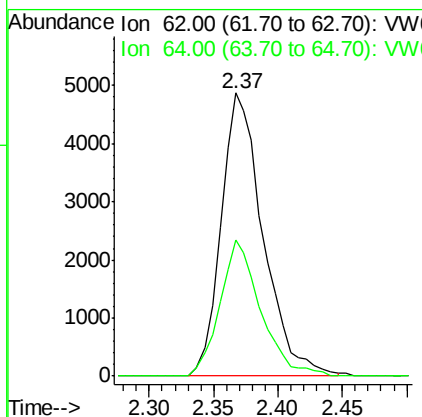
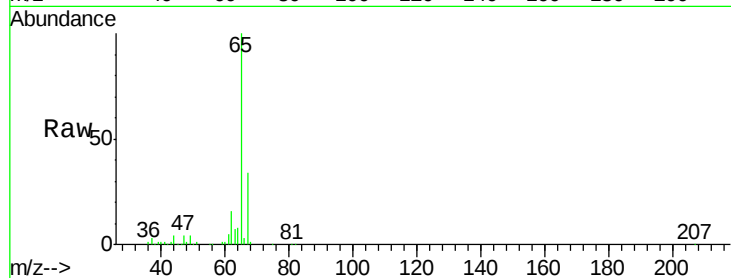
64 48.0 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.078 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006303.D

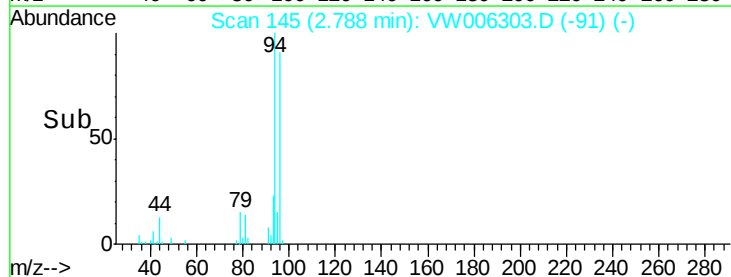
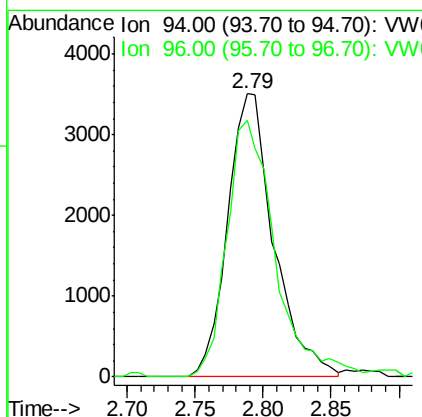
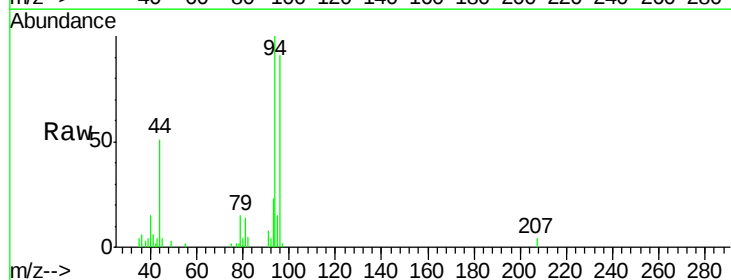
Acq: 23 Oct 2018 18:59

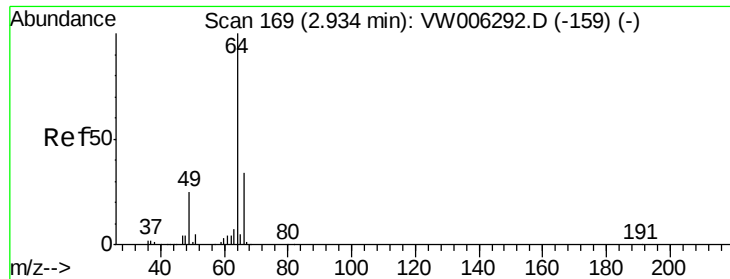
Tgt Ion: 94 Resp: 8321

Ion Ratio Lower Upper

94 100

96 91.7 9.5 181.3





#8

Chloroethane

Concen: 2.189 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 64 Resp: 6901

Ion Ratio Lower Upper

64 100

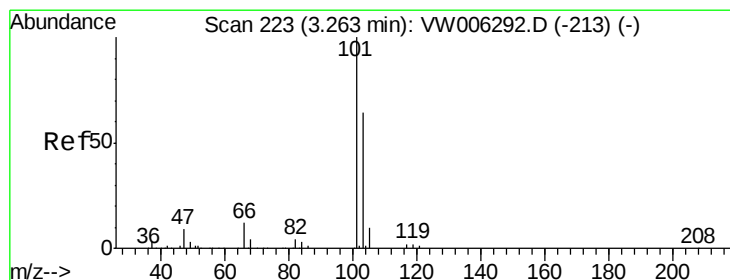
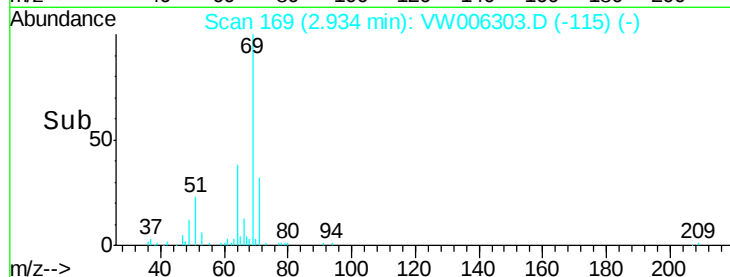
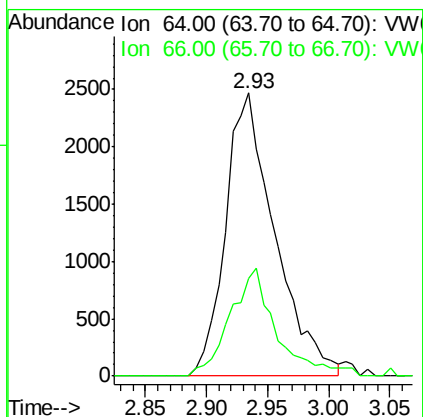
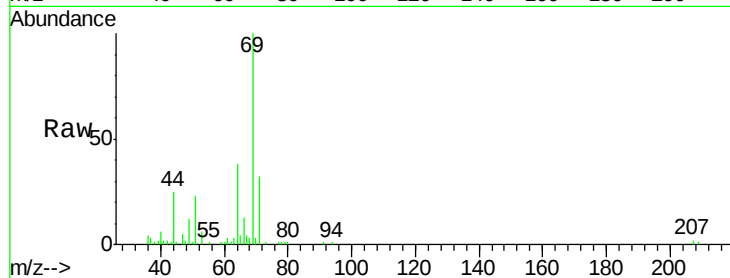
66 34.4 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.100 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006303.D

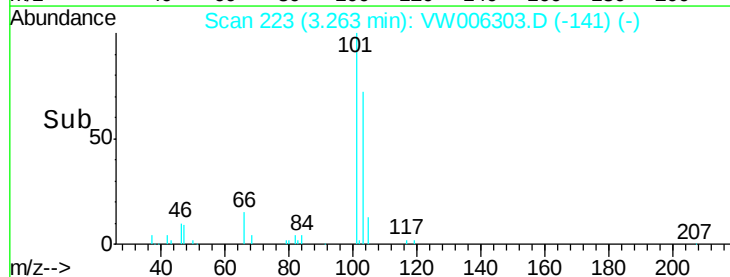
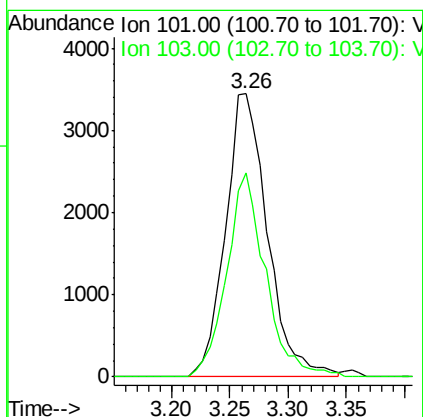
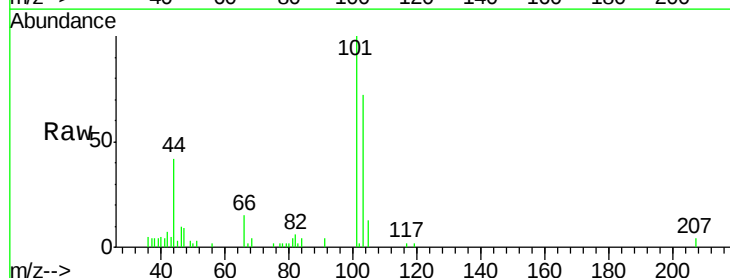
Acq: 23 Oct 2018 18:59

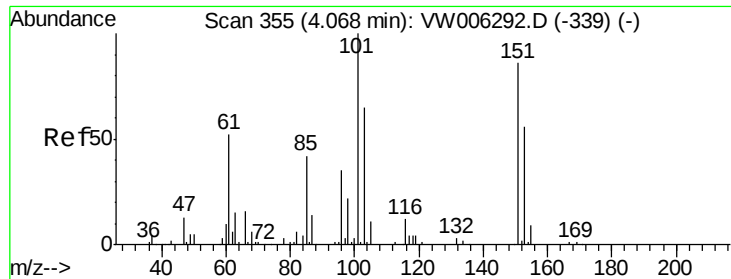
Tgt Ion: 101 Resp: 8642

Ion Ratio Lower Upper

101 100

103 65.9 45.6 84.6





#11

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

Concen: 2.454 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

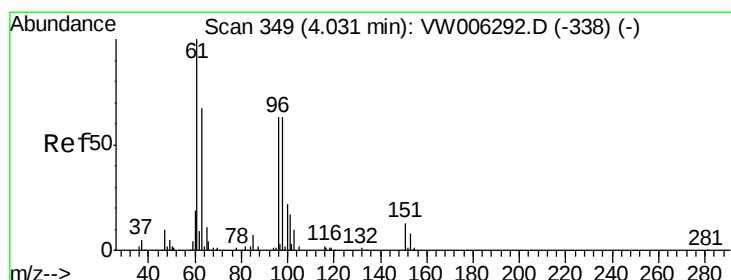
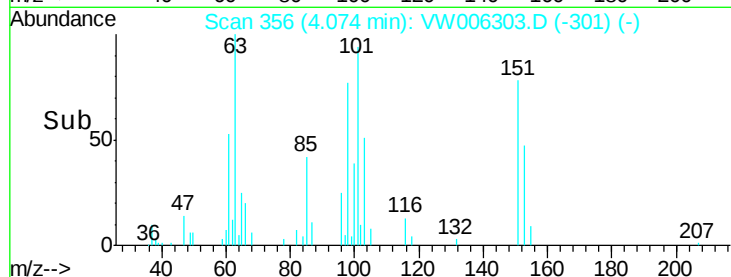
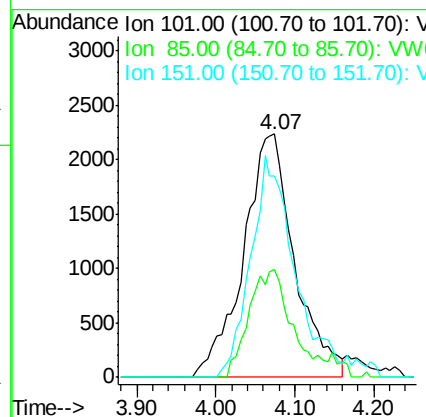
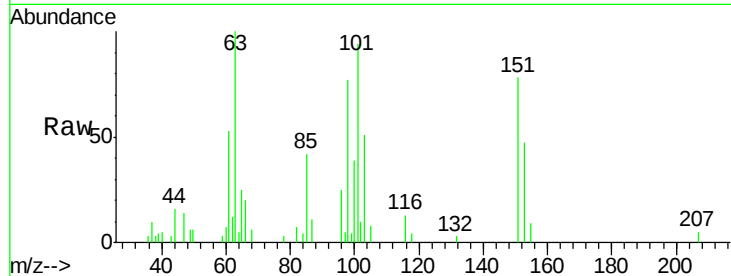
ClientSampleId :

MDL 2 PPB

Tgt Ion:	101	Resp:	10098
Ion Ratio	Lower	Upper	
101	100		
85	37.4	33.4	50.2
151	71.7	68.7	103.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.357 ug/L

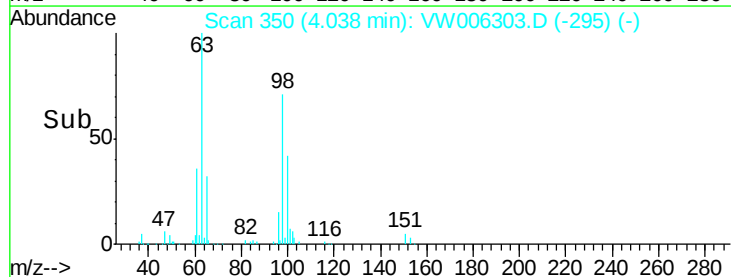
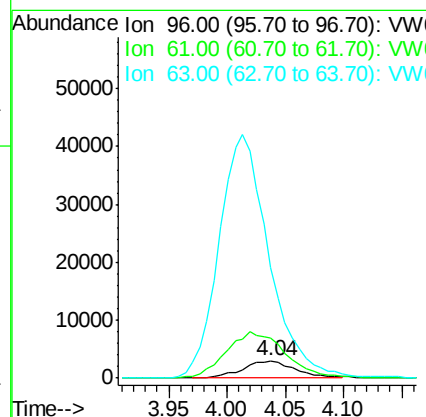
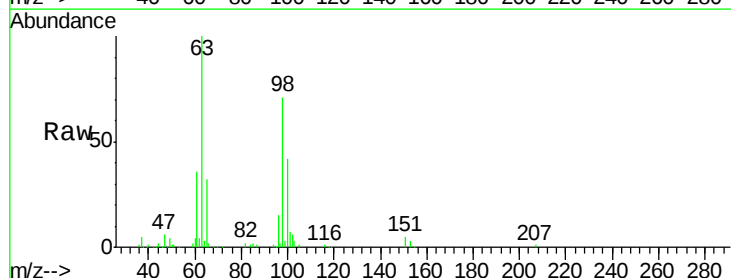
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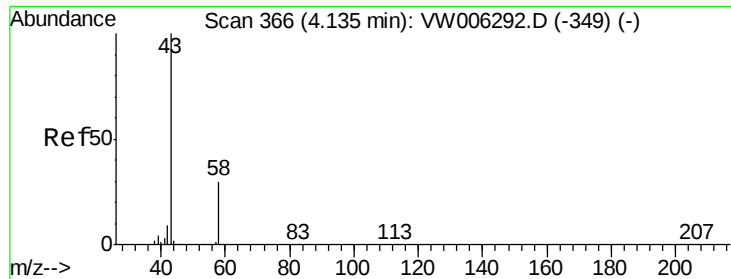
Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Tgt Ion:	96	Resp:	9305
Ion Ratio	Lower	Upper	
96	100		
61	234.7	112.3	208.7#
63	649.2	102.6	190.6#





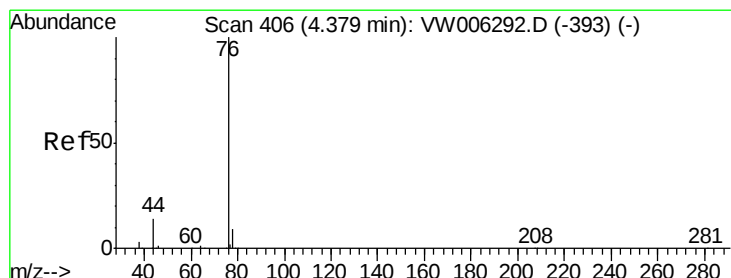
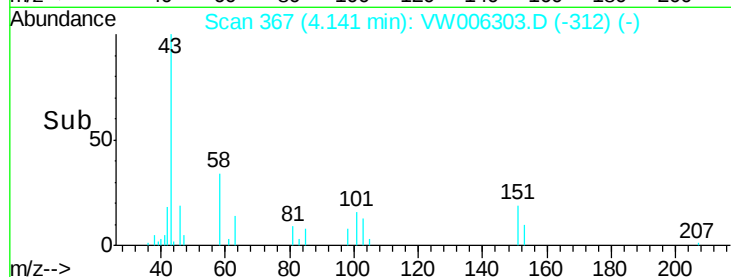
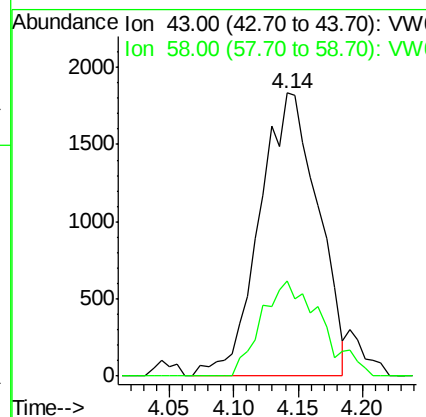
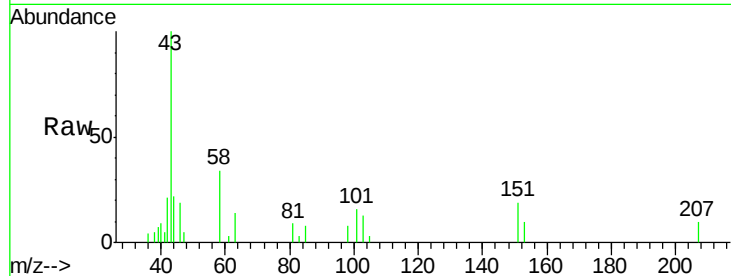
#13
Acetone
Concen: 4.444 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
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Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.2	0.0	61.2

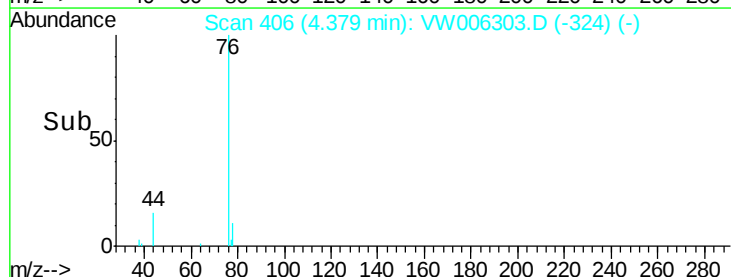
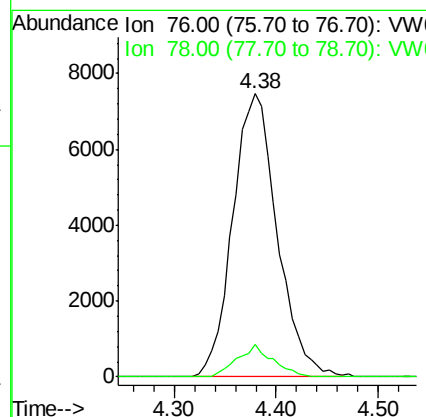
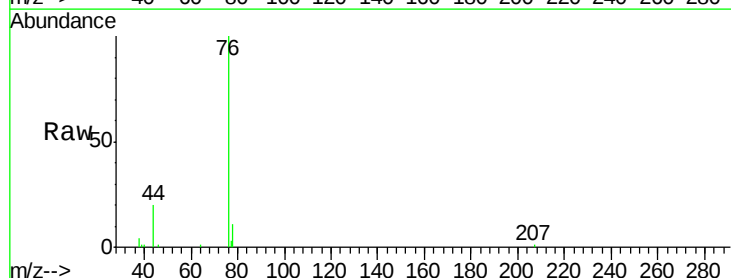
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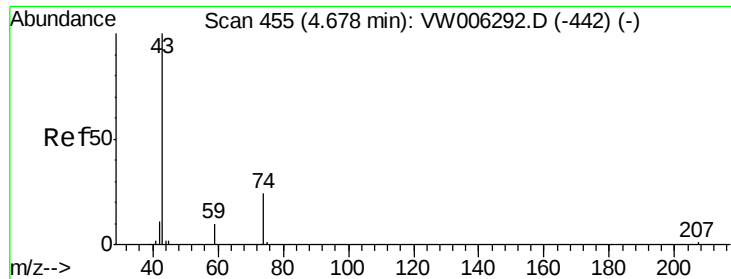
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#14
Carbon disulfide
Concen: 1.746 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.4	7.6	11.4





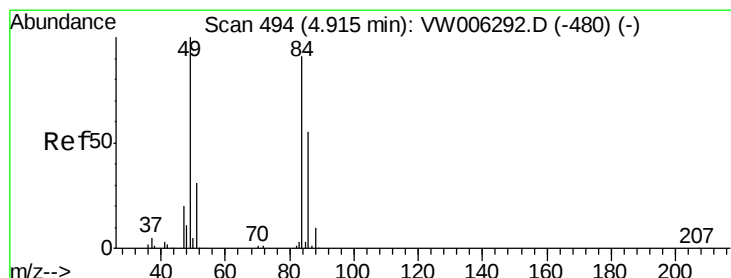
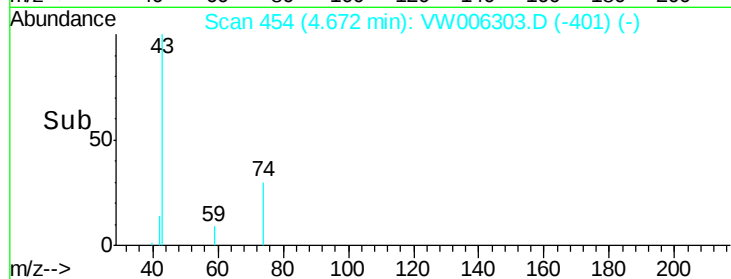
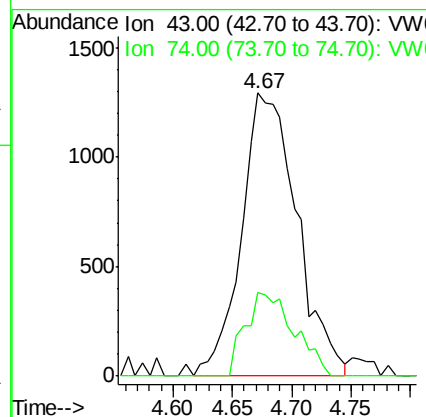
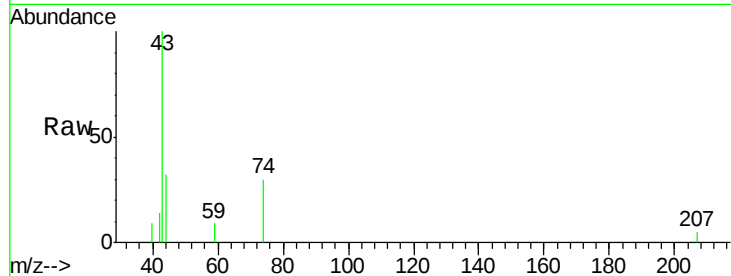
#15
Methyl Acetate
Concen: 1.995 ug/L m
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

Tgt Ion: 43 Resp: 4195
Ion Ratio Lower Upper
43 100
74 3.4 19.4 29.2#

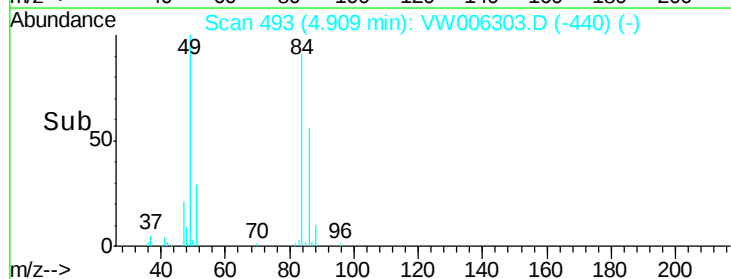
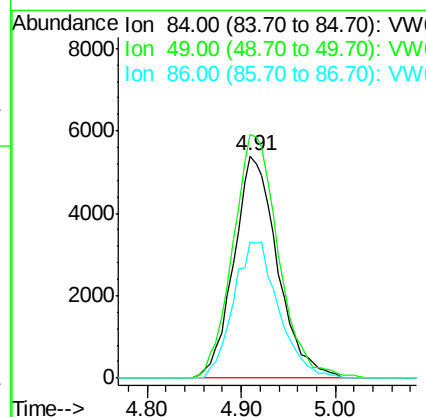
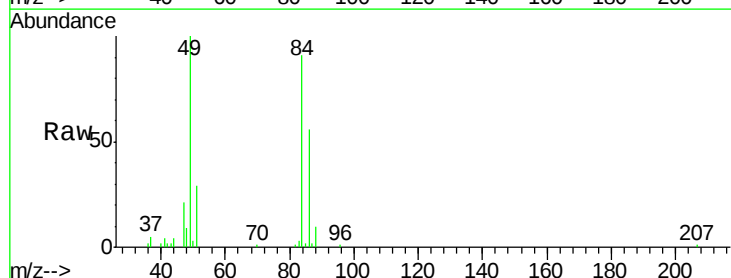
Manual Integrations
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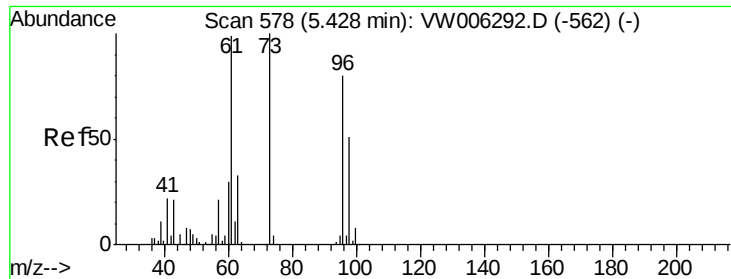
MMDadoda
10/24/2018 2:07:57 PM



#16
Methylene chloride
Concen: 3.924 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 84 Resp: 17421
Ion Ratio Lower Upper
84 100
49 109.6 83.5 155.1
86 61.2 44.9 83.5





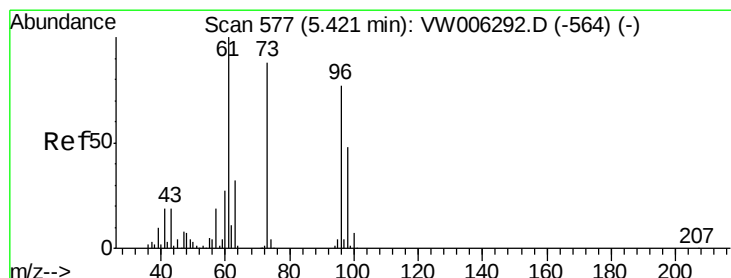
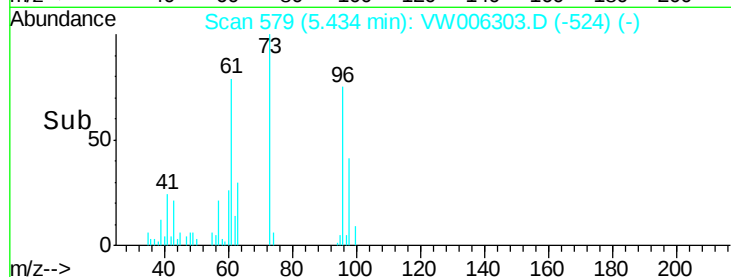
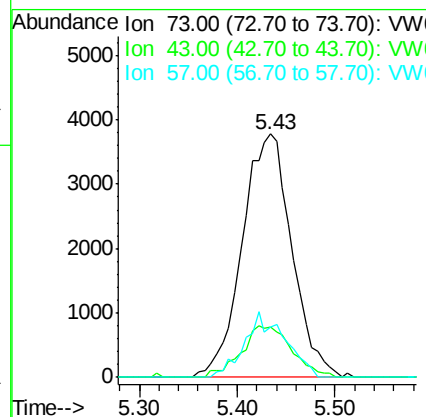
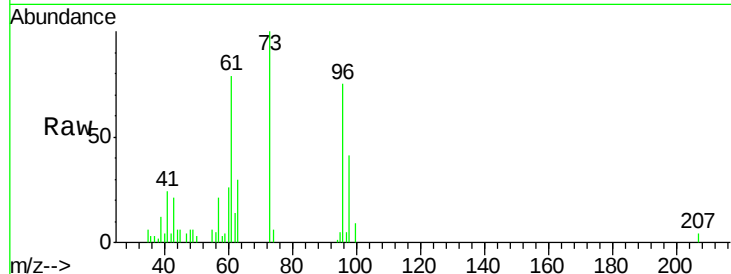
#17
Methyl tert-butyl Ether
Concen: 2.069 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.0	17.0	25.4#
57	10.7	17.1	25.7#

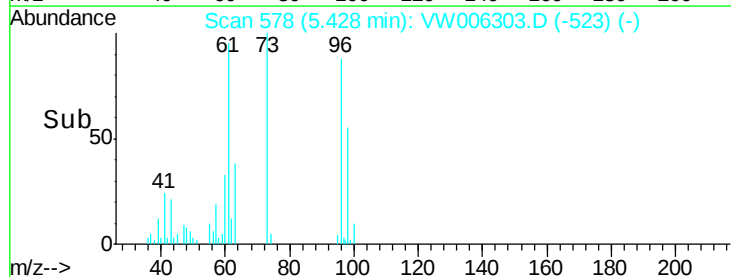
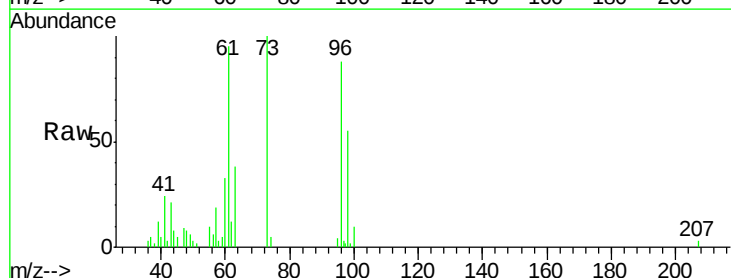
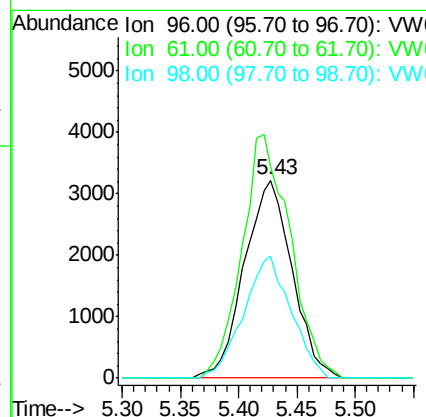
Manual Integrations
APPROVED

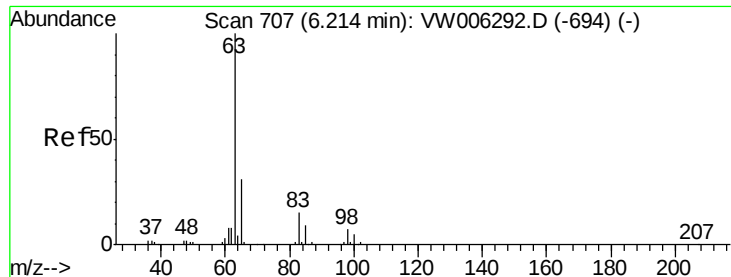
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 2.096 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	107.0	89.0	165.2
98	61.8	42.4	78.6





#19

1,1-Dichloroethane

Concen: 1.975 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

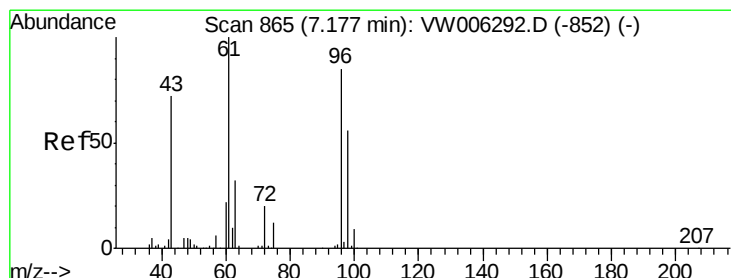
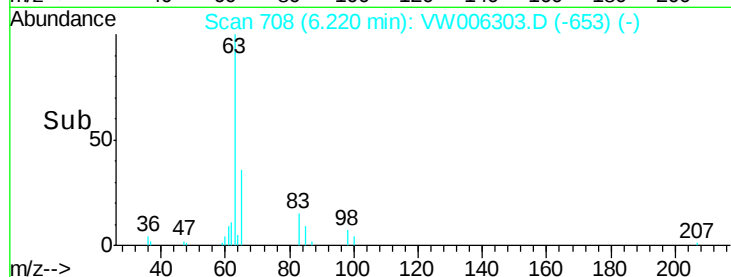
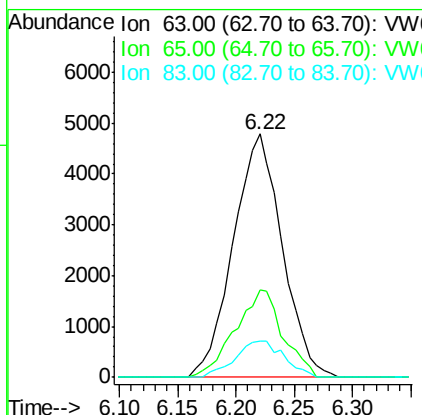
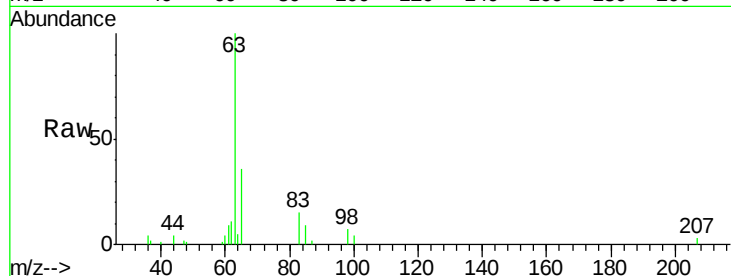
ClientSampleId :

MDL 2 PPB

Tgt Ion:	63	Resp:	13967
Ion	Ratio	Lower	Upper
63	100		
65	36.0	22.3	41.5
83	14.7	9.7	18.1

Manual Integrations
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#21

2-Butanone

Concen: 4.173 ug/L m

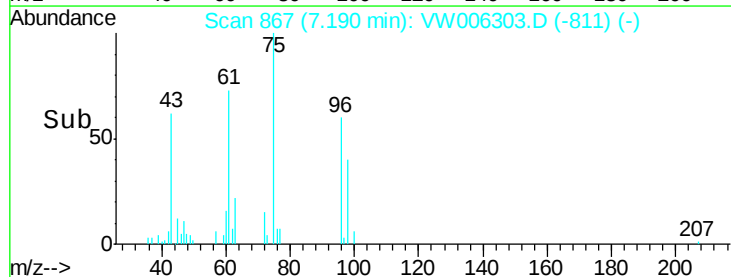
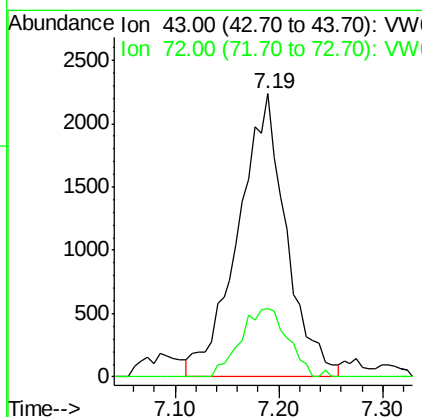
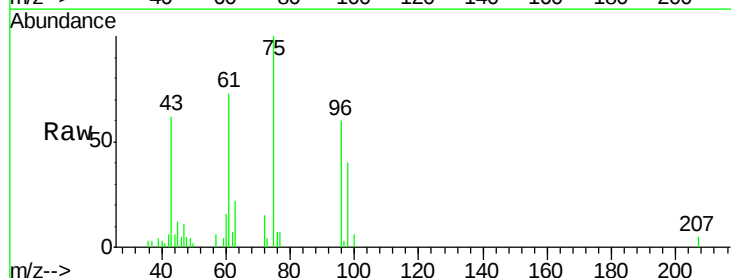
RT: 7.19 min Scan# 867

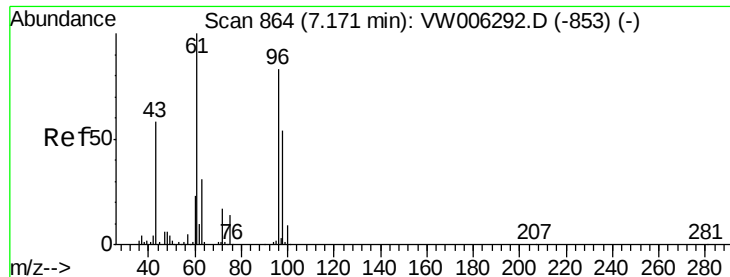
Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Tgt Ion:	43	Resp:	7200
Ion	Ratio	Lower	Upper
43	100		
72	23.3	13.8	41.4





#22

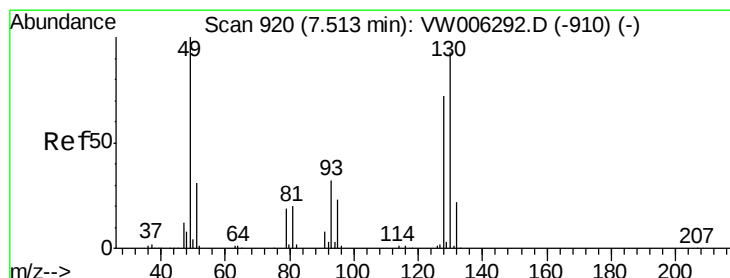
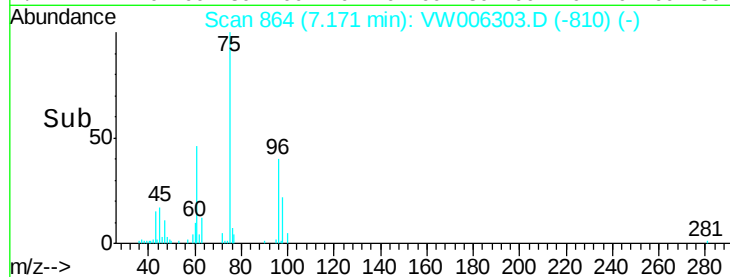
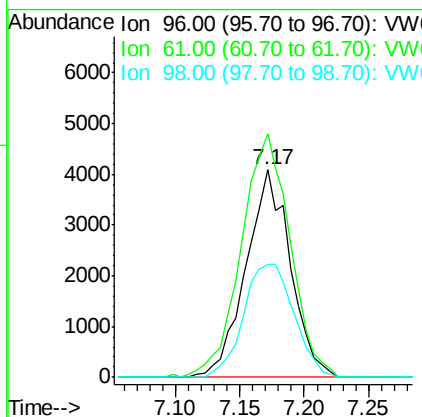
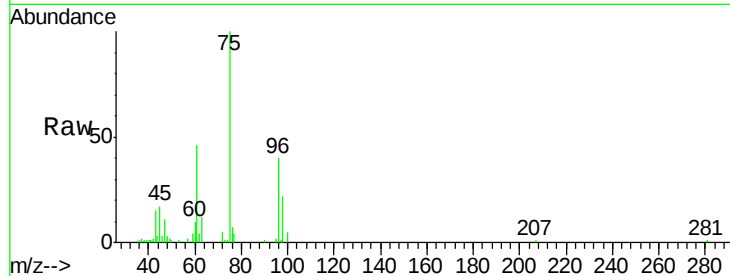
cis-1,2-Dichloroethene
Concen: 2.046 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.3	85.1	158.1
98	54.6	46.3	86.1

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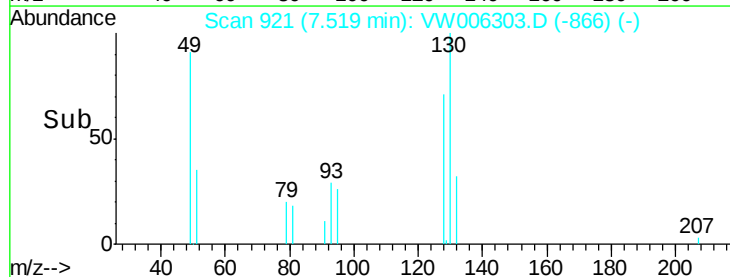
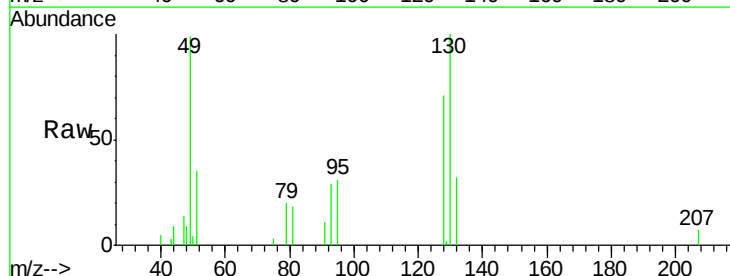
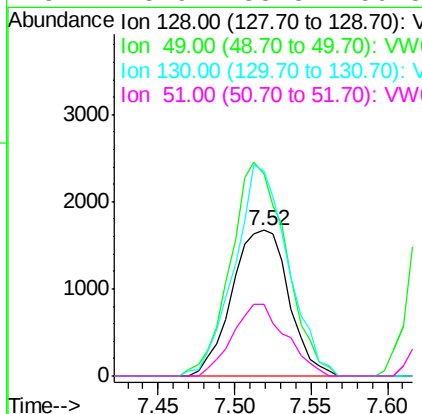
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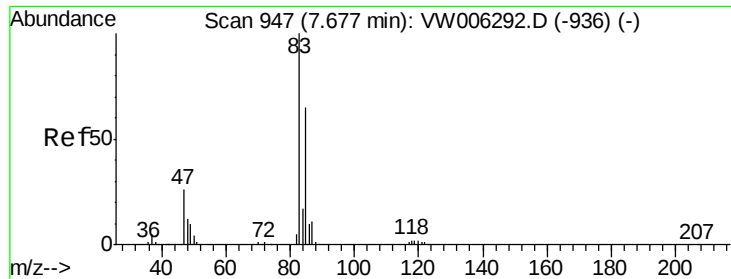


#23

Bromochloromethane
Concen: 1.923 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	139.2	95.2	176.8
130	141.1	86.3	160.3
51	48.9	33.8	50.8





#25

Chloroform

Concen: 2.208 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 83 Resp: 16809

Ion Ratio Lower Upper

83 100

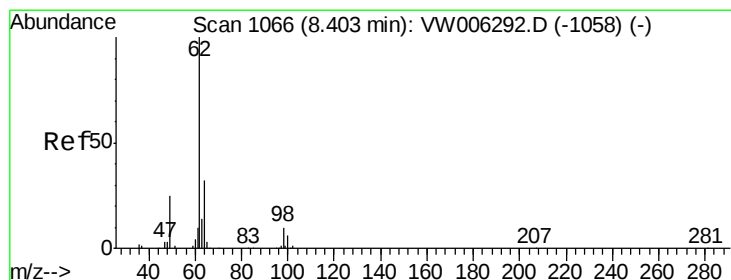
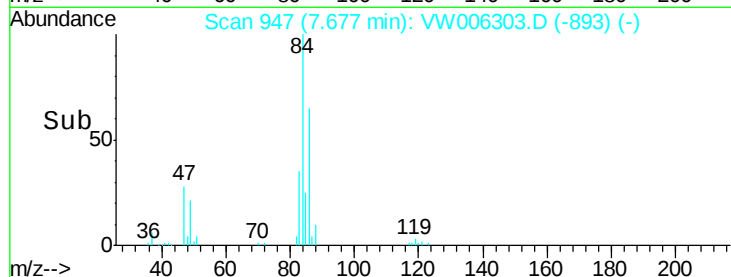
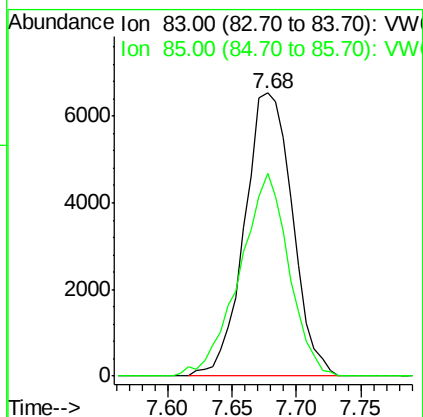
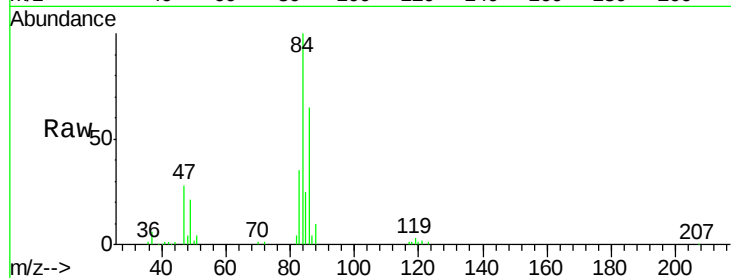
85 73.9 46.3 85.9

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.127 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006303.D

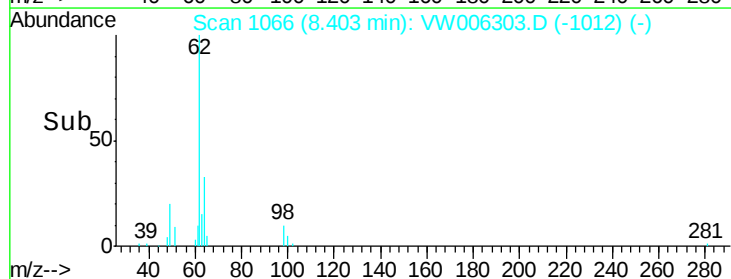
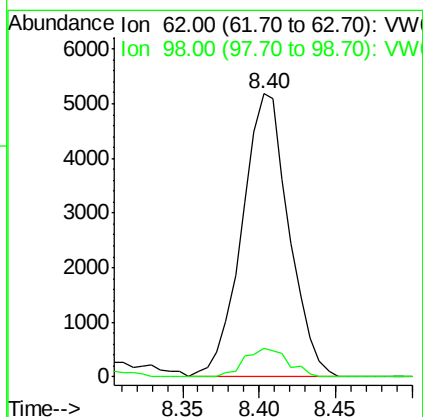
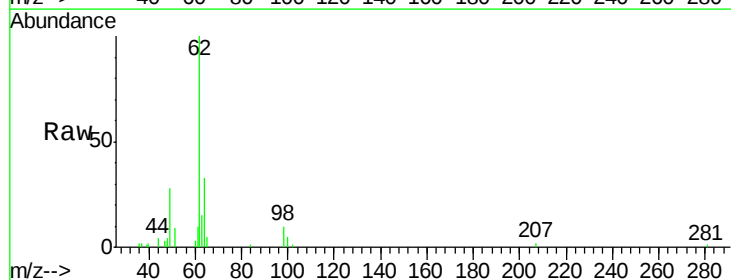
Acq: 23 Oct 2018 18:59

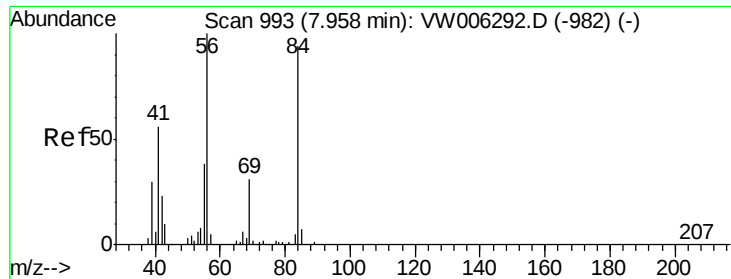
Tgt Ion: 62 Resp: 11040

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





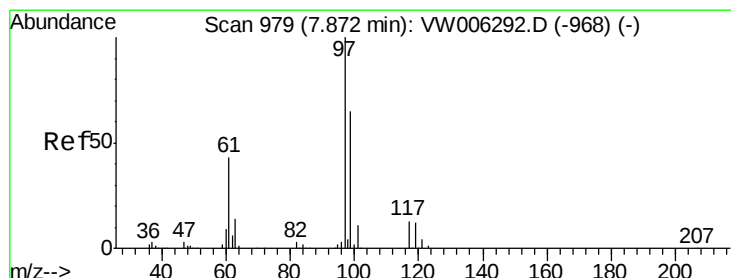
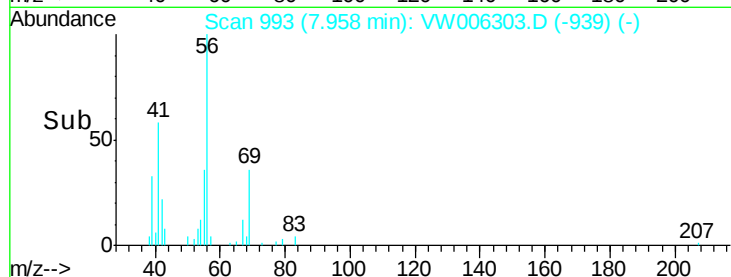
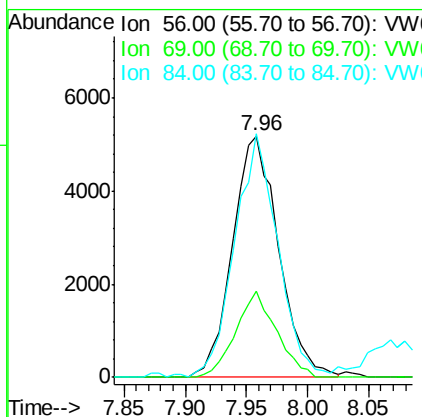
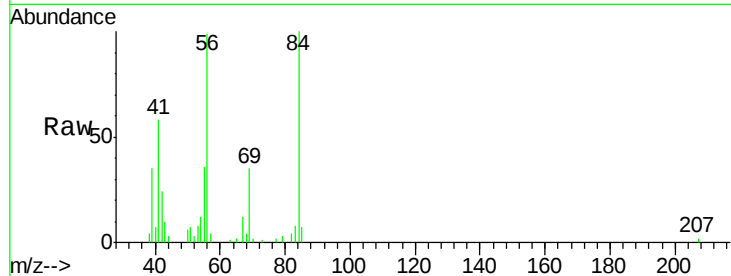
#30
Cyclohexane
Concen: 1.907 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.4	38.0
84	94.4	73.9	110.9

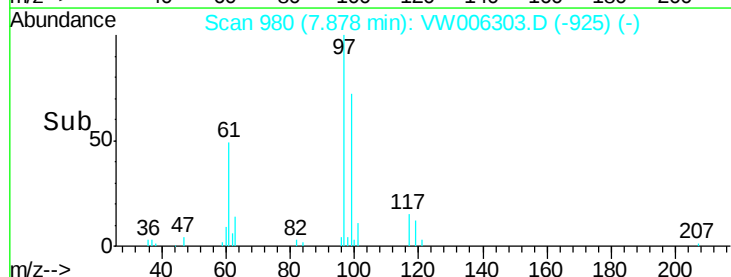
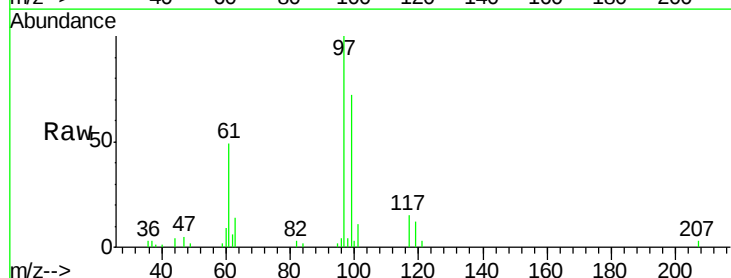
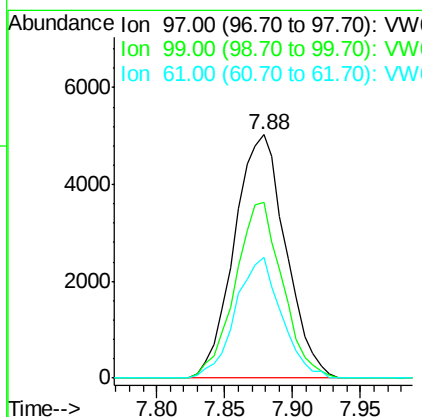
Manual Integrations
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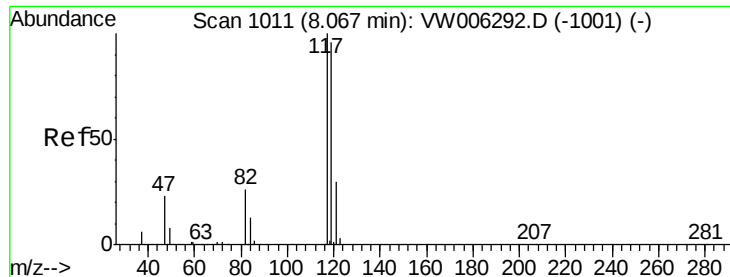
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 1.964 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.0	76.4
61	44.4	33.6	50.4





#32

Carbon tetrachloride

Concen: 1.840 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion:117 Resp: 12203

Ion Ratio Lower Upper

117 100

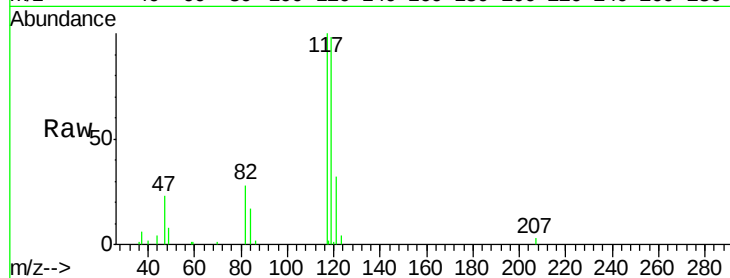
119 99.0 76.9 115.3

Manual Integrations

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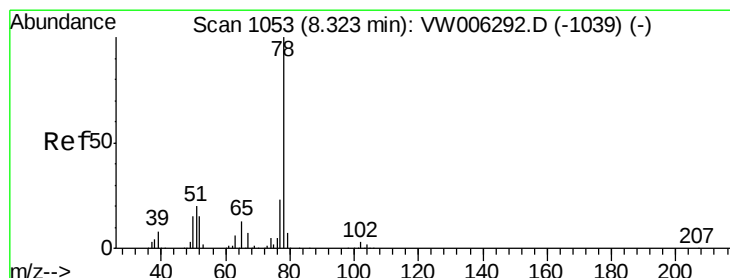
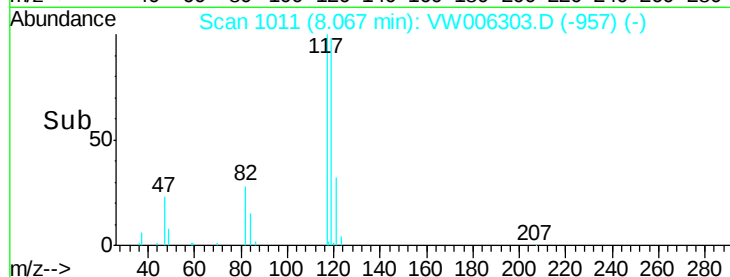
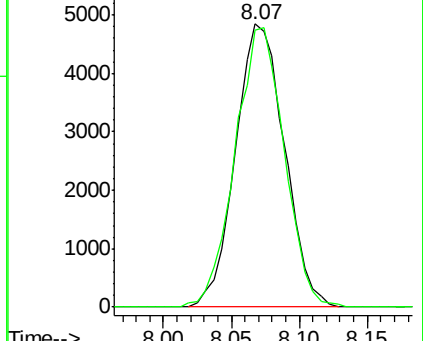
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.097 ug/L m

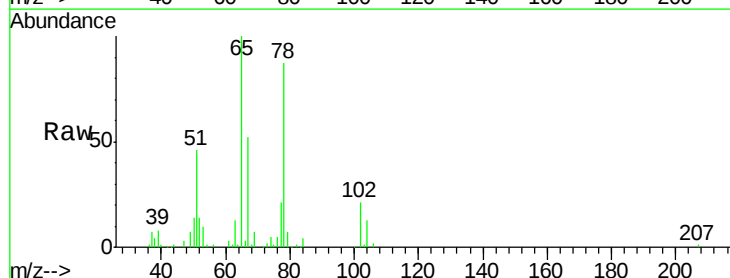
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

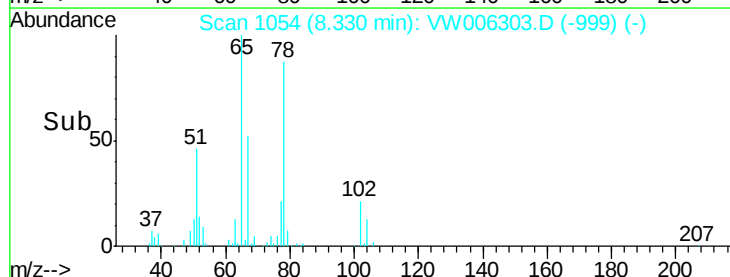
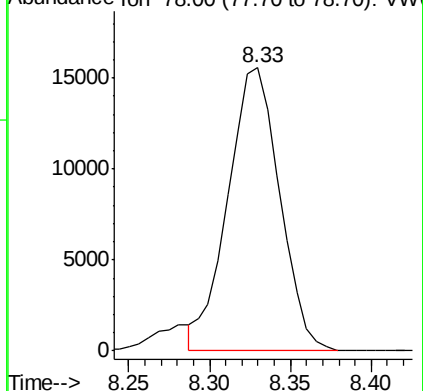
Lab File: VW006303.D

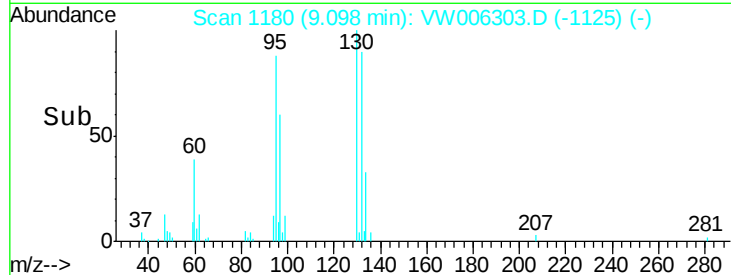
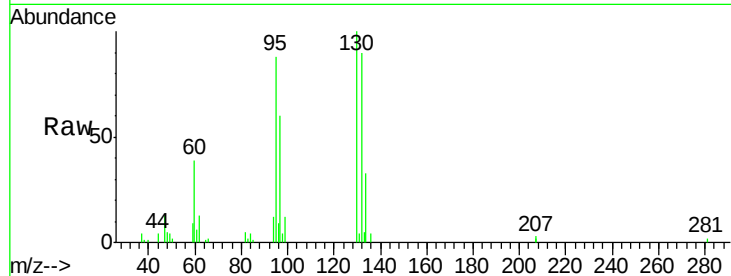
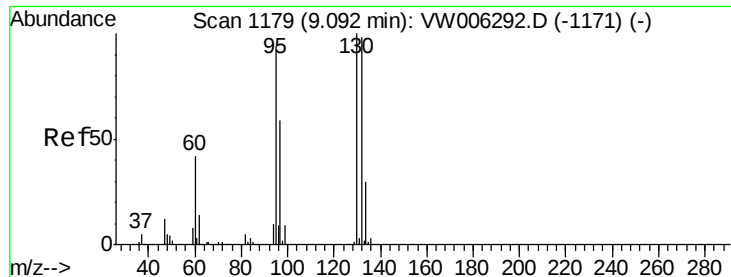
Acq: 23 Oct 2018 18:59

Tgt Ion: 78 Resp: 34787



Abundance Ion 78.00 (77.70 to 78.70): VW





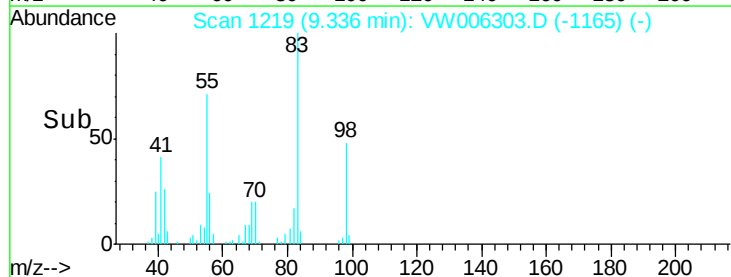
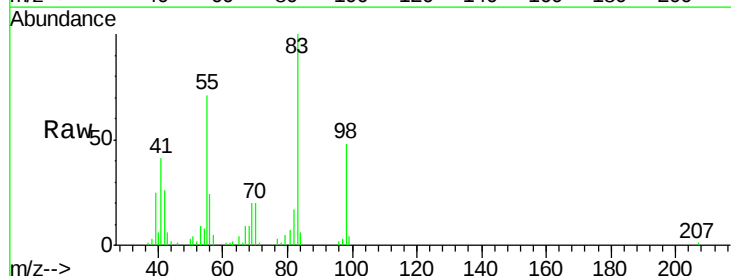
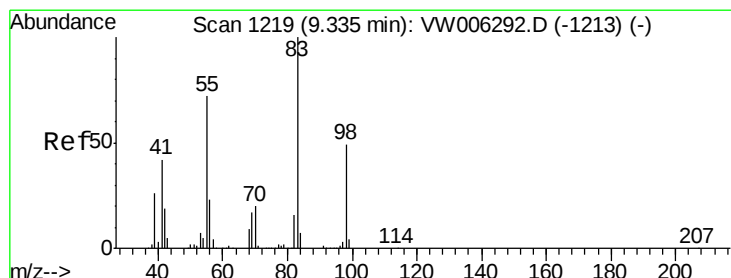
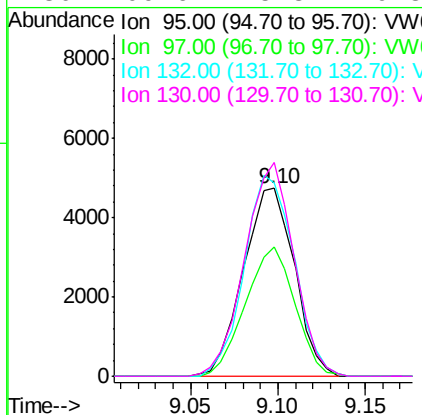
#35
 Trichloroethene
 Concen: 2.060 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.8	85.0
132	104.7	72.9	135.3
130	109.6	75.8	140.8

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

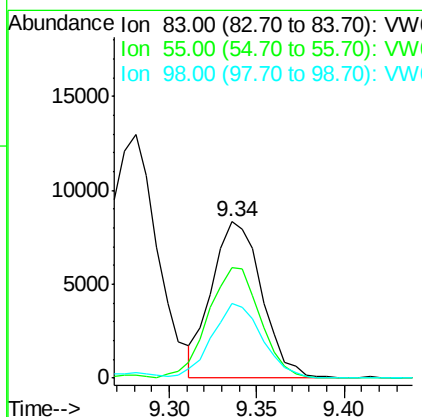
Manual Integrations
 APPROVED

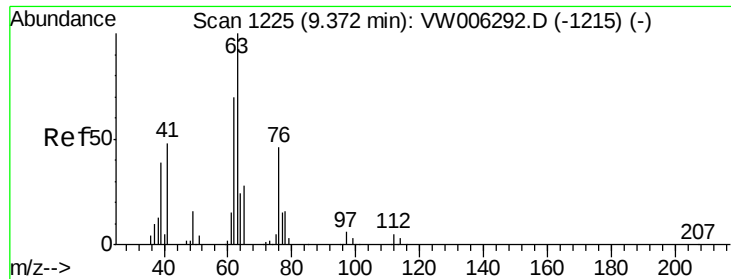
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#36
 Methylcyclohexane
 Concen: 1.937 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.1	85.7
98	47.9	38.9	58.3





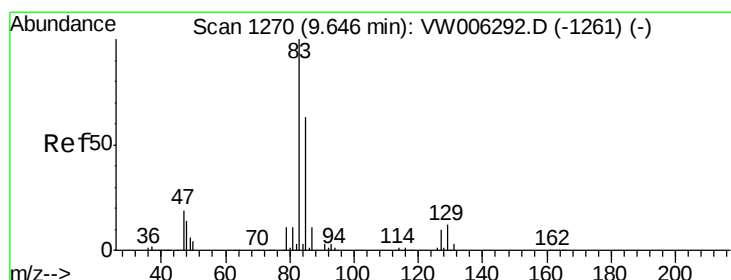
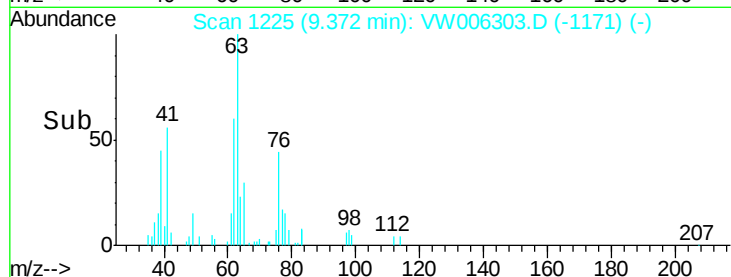
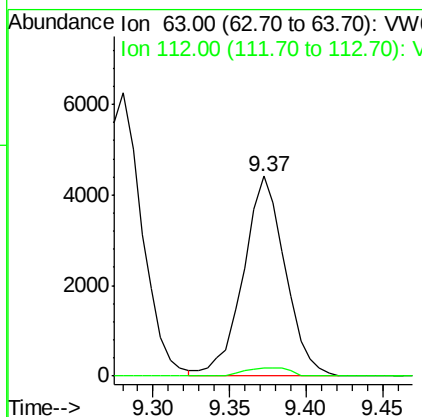
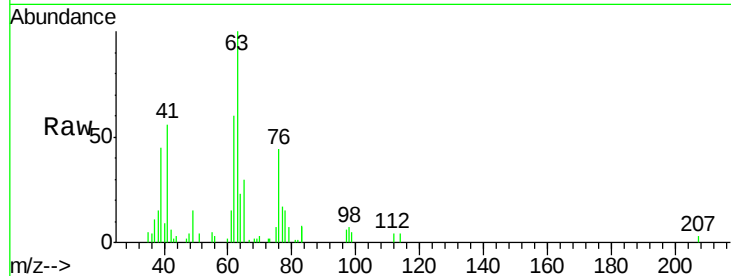
#40
 1,2-Dichloropropane
 Concen: 2.046 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 63 Resp: 8418
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3

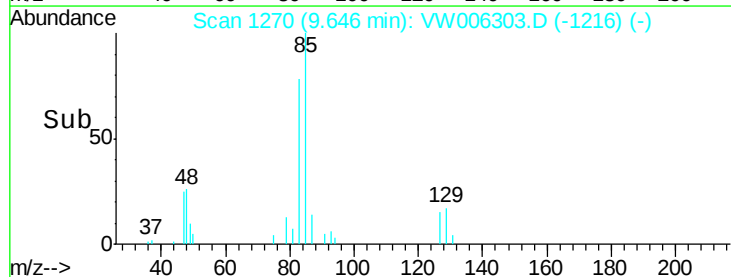
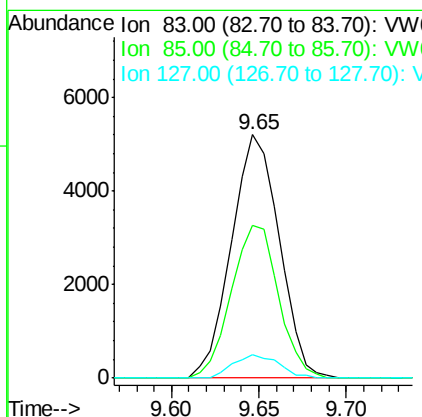
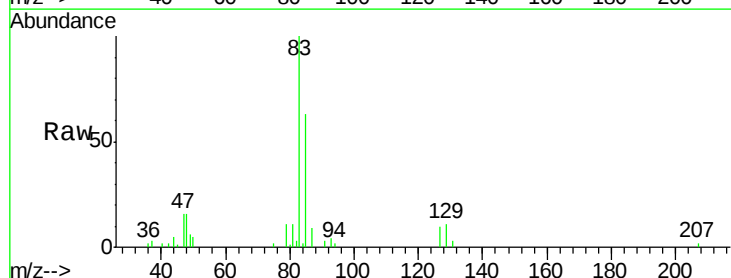
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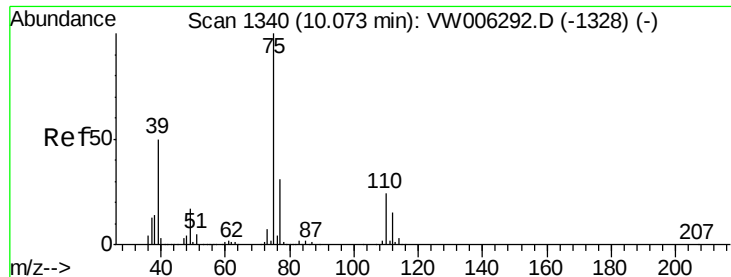
MMDadoda
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#41
 Bromodichloromethane
 Concen: 1.783 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 83 Resp: 9910
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.5 84.5
 127 9.6 7.4 11.2





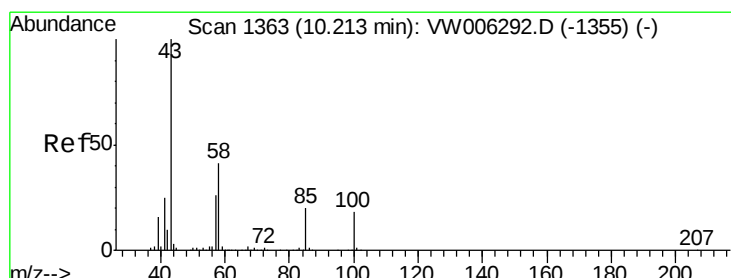
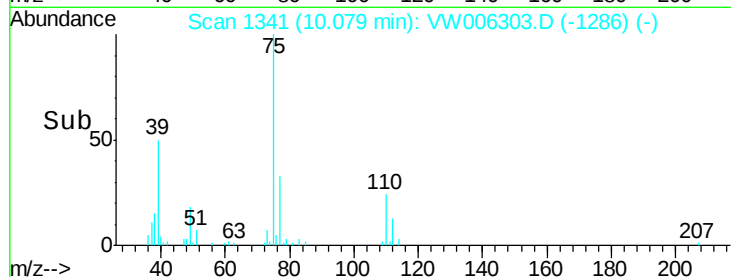
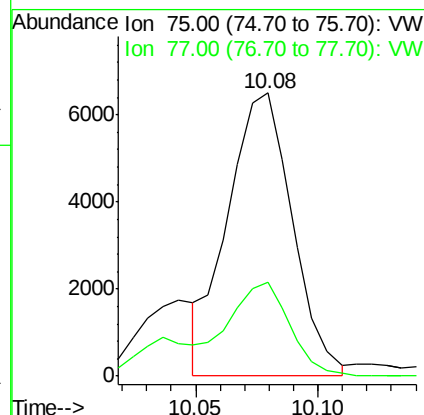
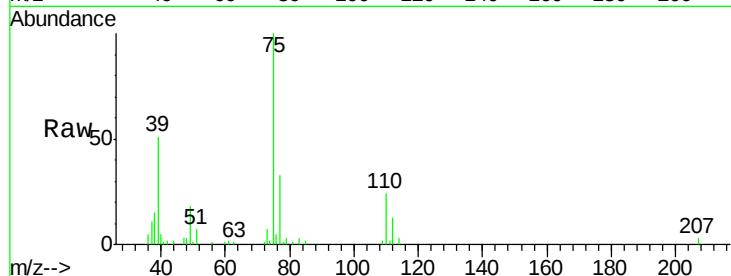
#42
 cis-1,3-Dichloropropene
 Concen: 1.778 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 75 Resp: 11952
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.6 42.0

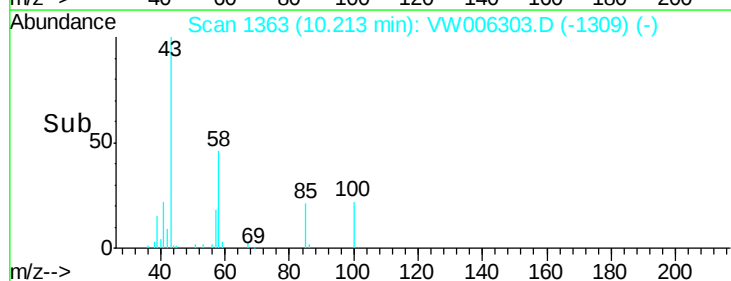
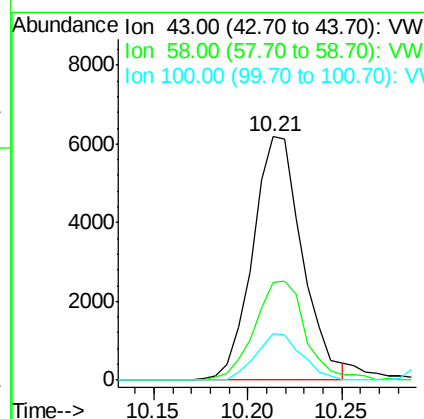
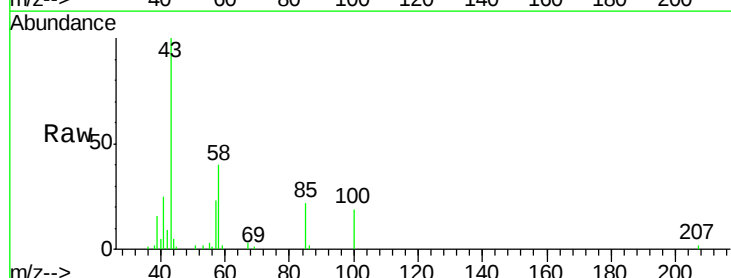
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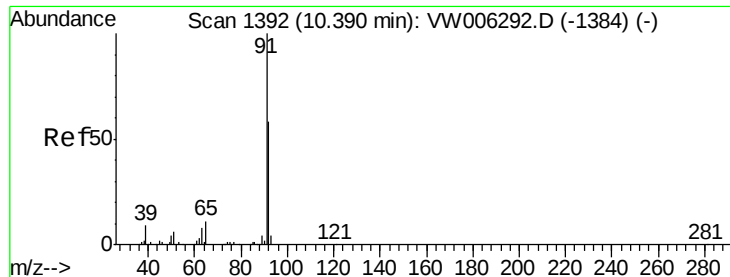
MMDadoda
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#43
 4-Methyl-2-pentanone
 Concen: 3.422 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 43 Resp: 11283
 Ion Ratio Lower Upper
 43 100
 58 41.7 31.4 47.2
 100 17.6 13.3 19.9





#44

Toluene

Concen: 2.104 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 91 Resp: 39198

Ion Ratio Lower Upper

91 100

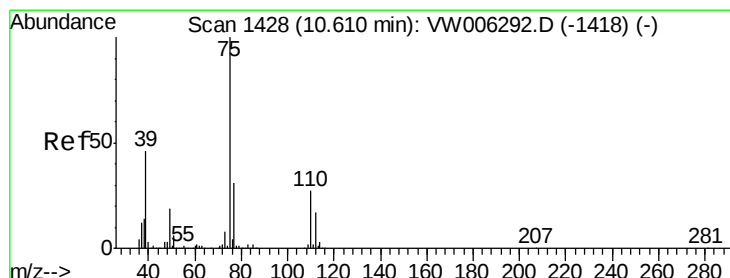
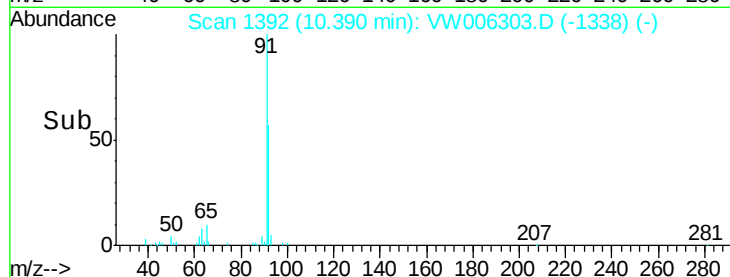
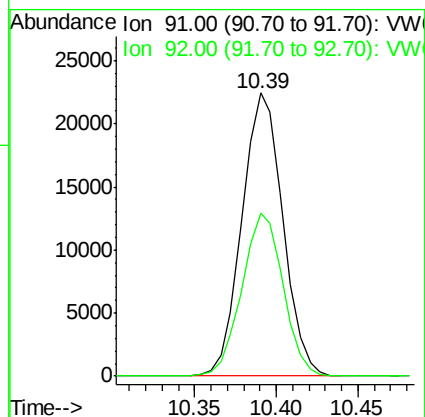
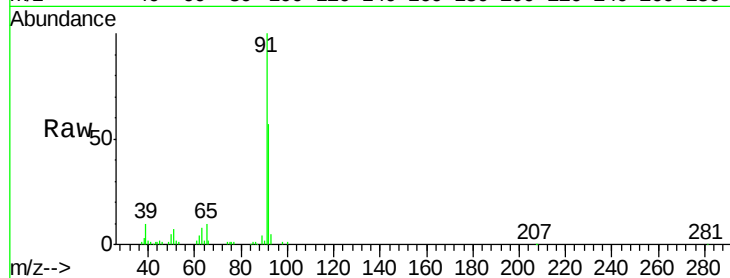
92 57.5 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 2.078 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006303.D

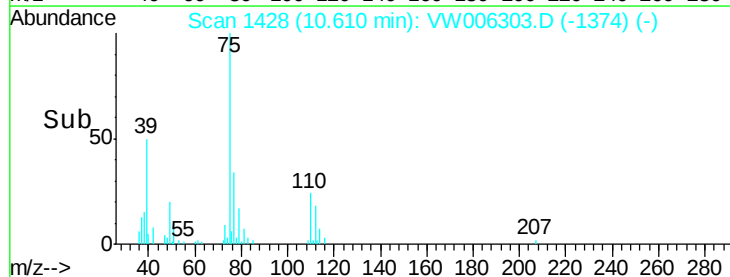
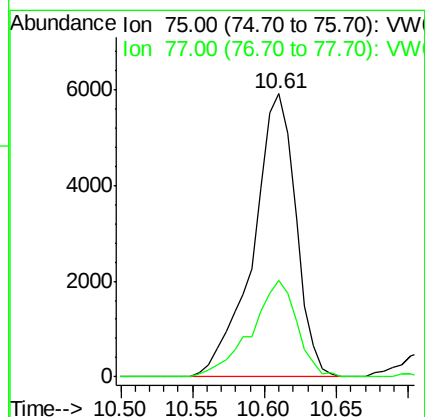
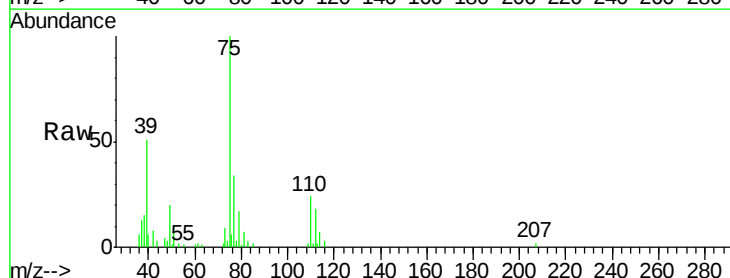
Acq: 23 Oct 2018 18:59

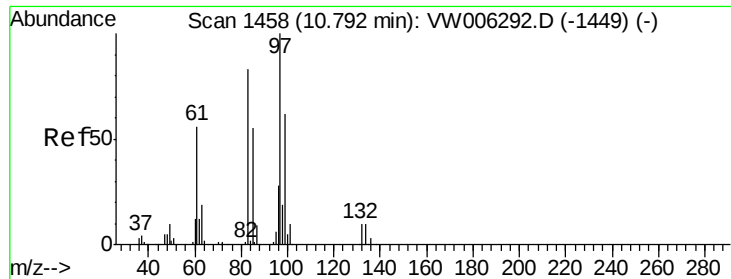
Tgt Ion: 75 Resp: 12201

Ion Ratio Lower Upper

75 100

77 34.0 22.4 41.6





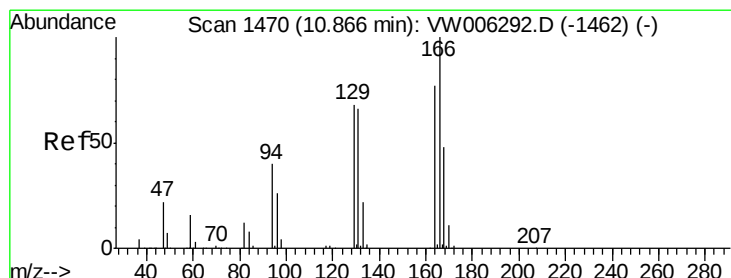
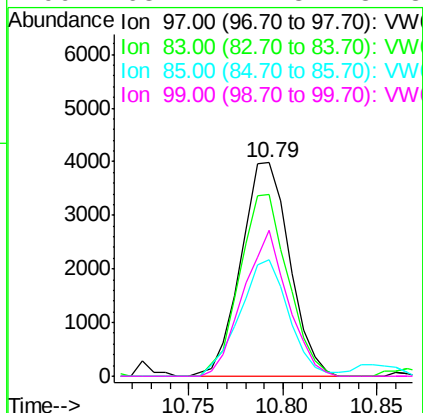
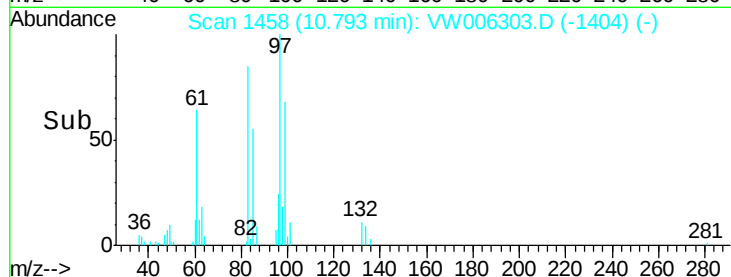
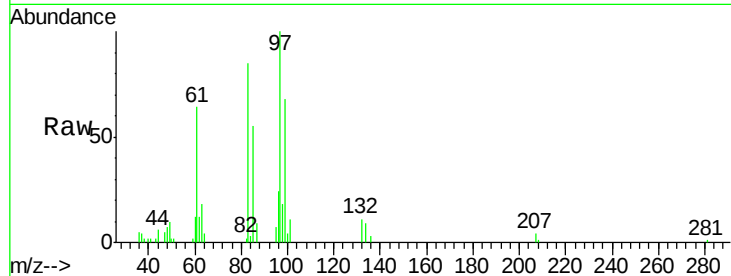
#46
 1,1,2-Trichloroethane
 Concen: 2.085 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	97	Resp:	7144
Ion	Ratio	Lower	Upper
97	100		
83	85.4	60.0	111.4
85	54.6	38.7	71.9
99	68.1	44.3	82.3

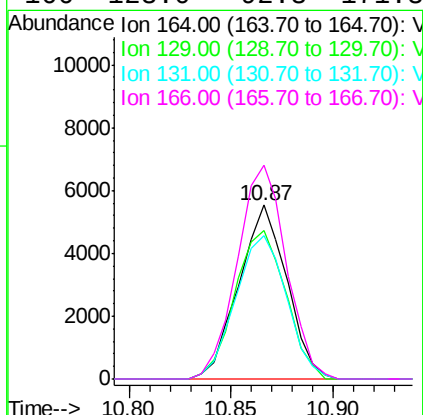
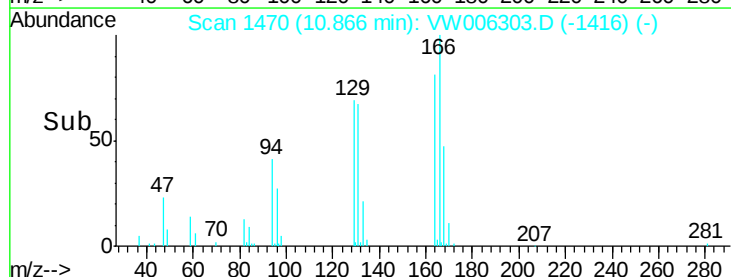
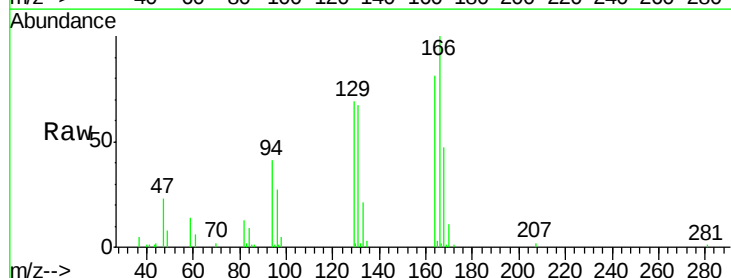
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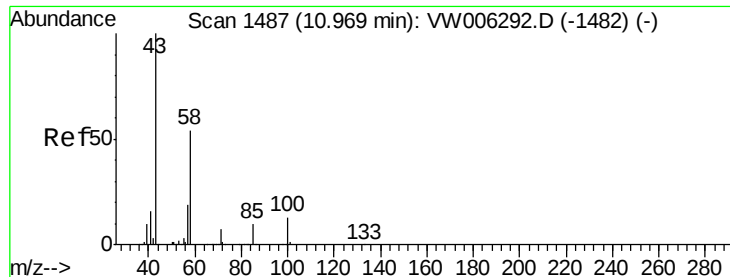
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#47
 Tetrachloroethene
 Concen: 2.099 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion:	164	Resp:	9069
Ion	Ratio	Lower	Upper
164	100		
129	85.2	65.4	121.4
131	82.4	63.8	118.4
166	123.0	92.3	171.3





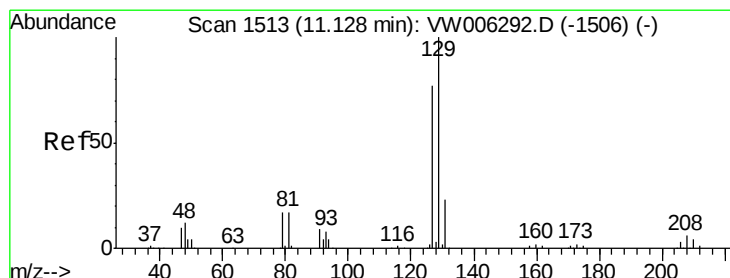
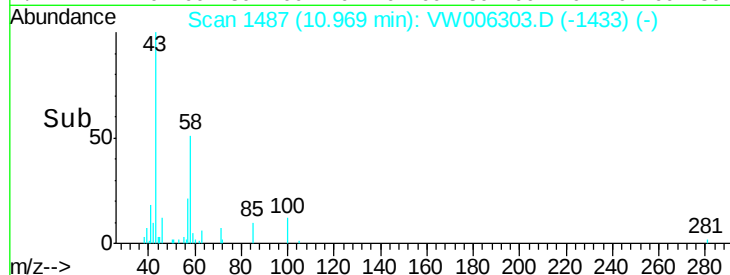
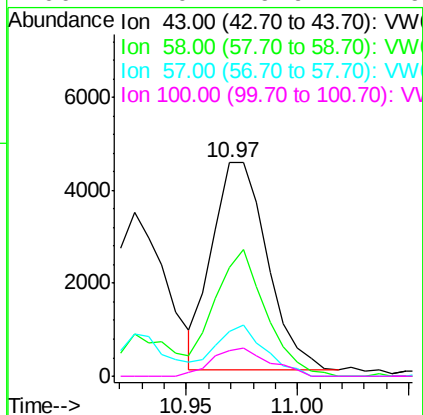
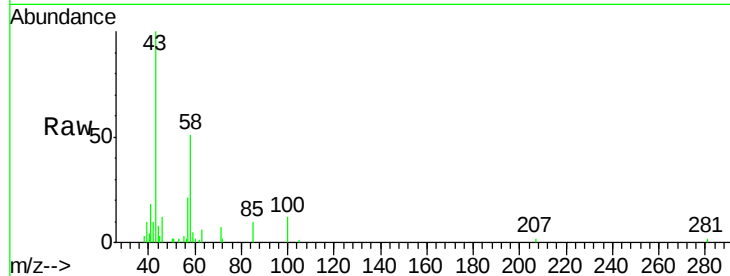
#49
2-Hexanone
Concen: 3.176 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:	43	Resp:	7719
Ion	Ratio	Lower	Upper
43	100		
58	56.4	42.1	63.1
57	22.1	15.1	22.7
100	14.0	9.9	14.9

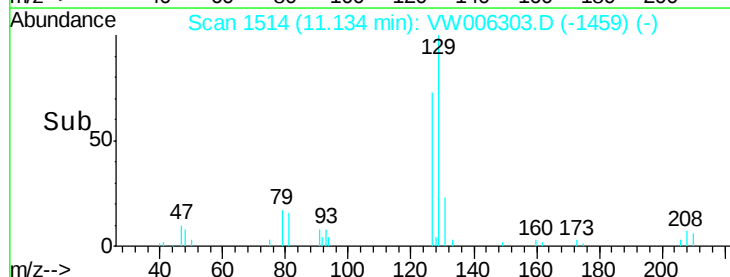
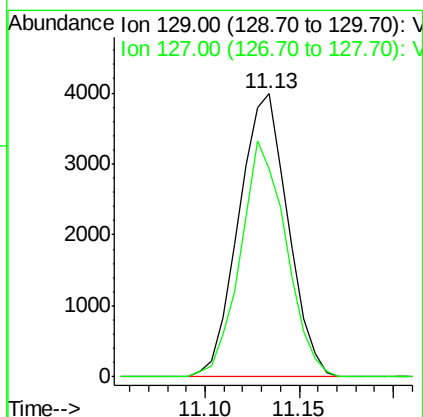
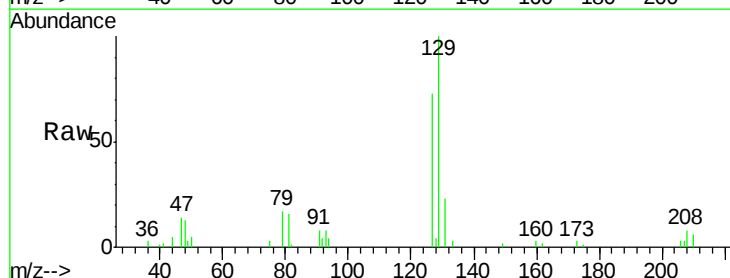
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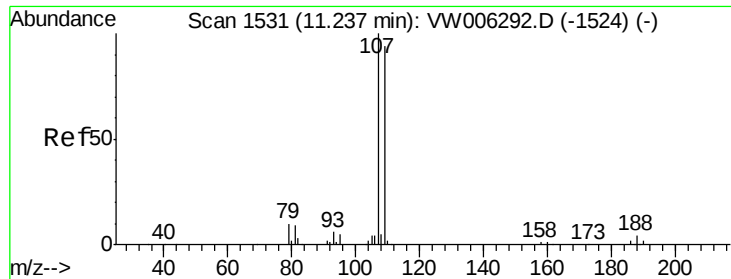
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#50
Dibromochloromethane
Concen: 1.643 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion:	129	Resp:	7216
Ion	Ratio	Lower	Upper
129	100		
127	73.4	54.4	101.0





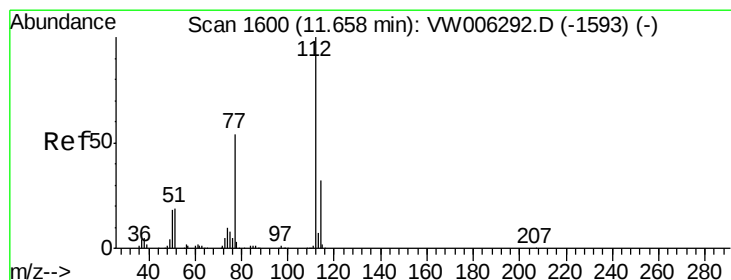
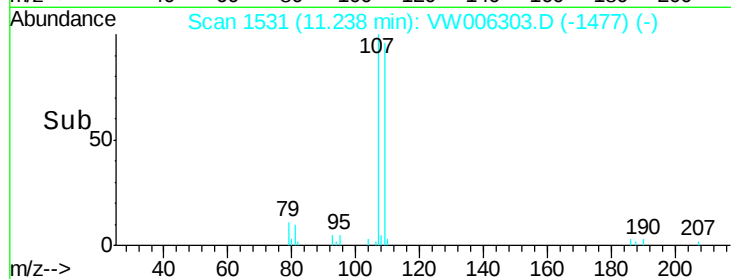
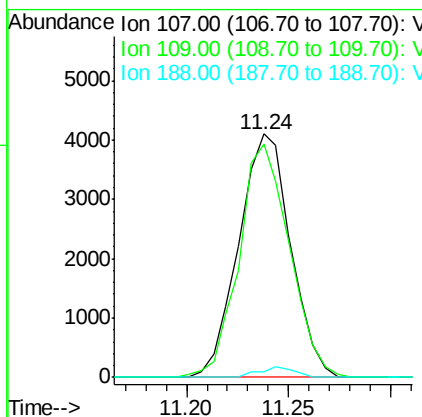
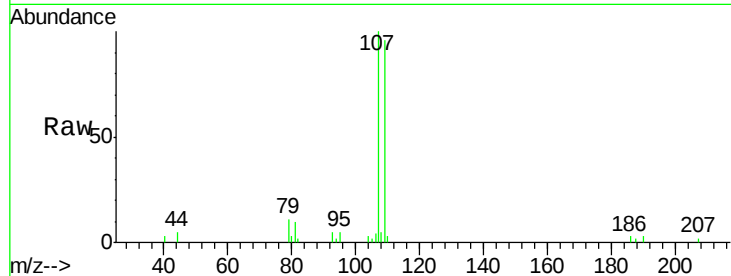
#51
1,2-Dibromoethane
Concen: 2.035 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	7260		
109	96.1	66.6	123.8	
188	2.2	3.4	5.0#	

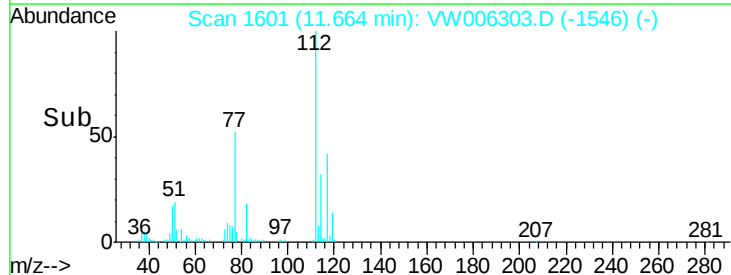
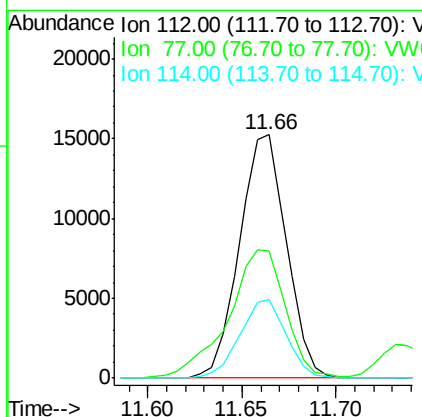
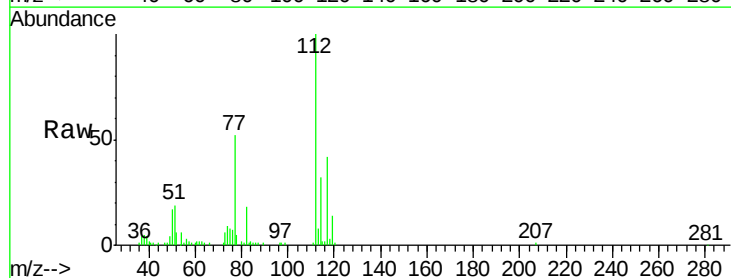
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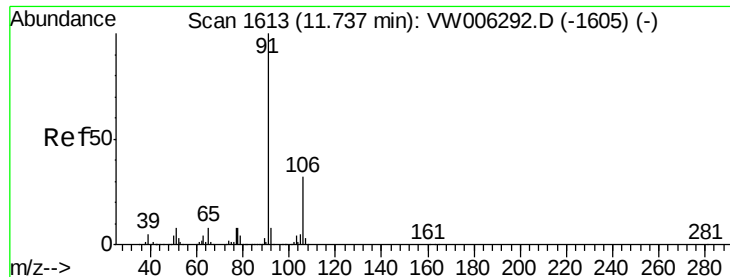
MMDadoda
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#52
Chlorobenzene
Concen: 2.085 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	26288		
77	52.1	44.2	66.2	
114	32.2	22.1	41.1	





#53

Ethylbenzene

Concen: 1.965 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 91 Resp: 42605

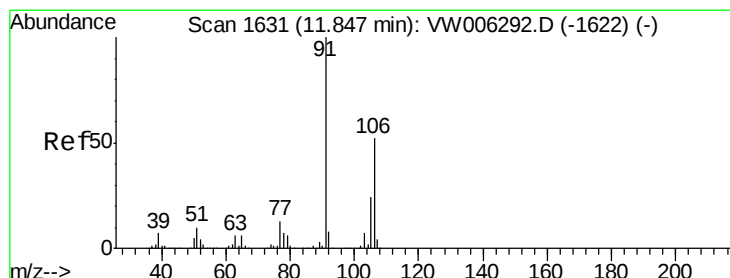
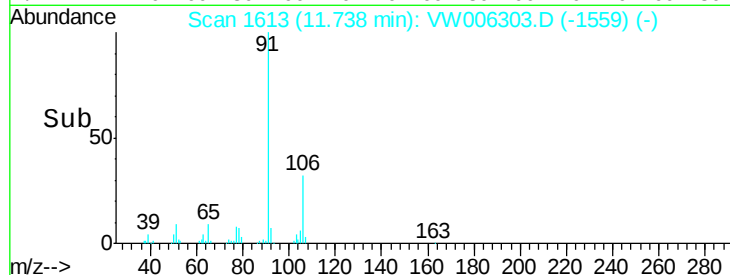
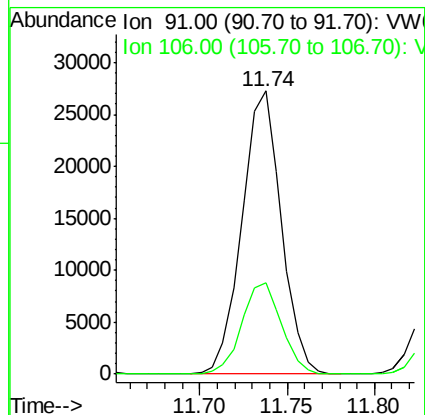
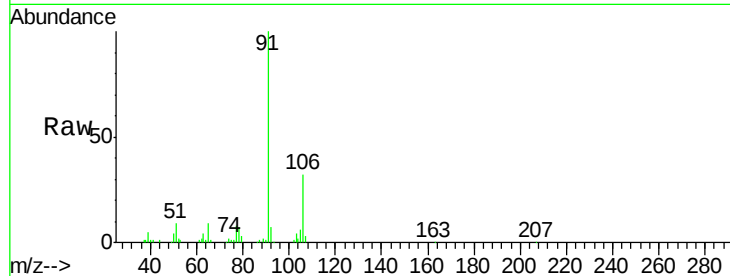
Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0

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#54

m,p-Xylene

Concen: 1.910 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006303.D

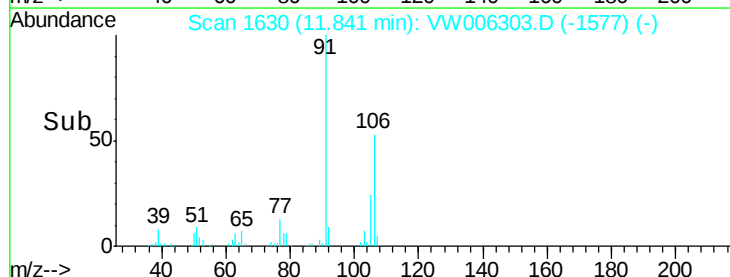
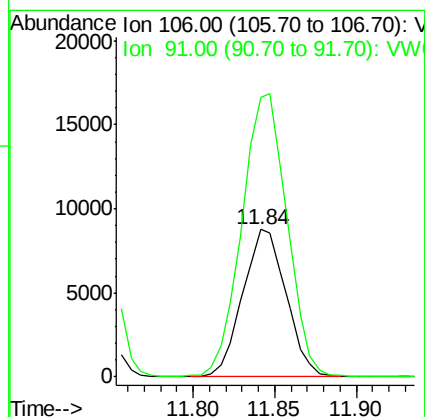
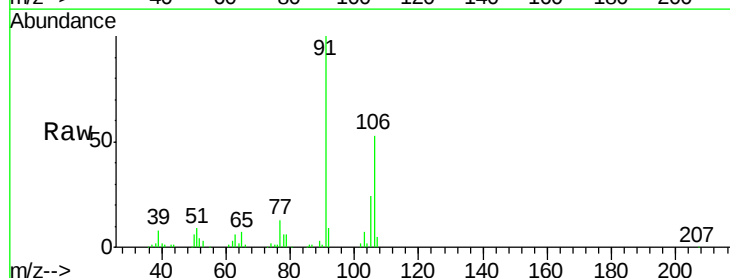
Acq: 23 Oct 2018 18:59

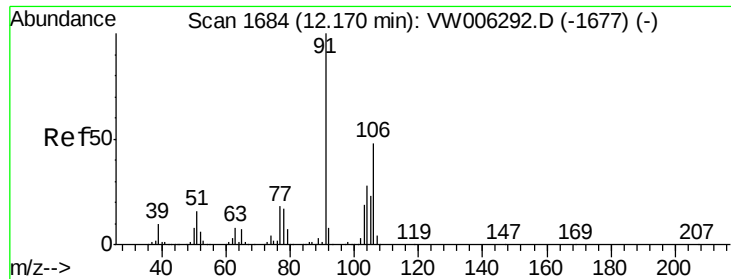
Tgt Ion: 106 Resp: 16231

Ion Ratio Lower Upper

106 100

91 189.7 138.4 257.0





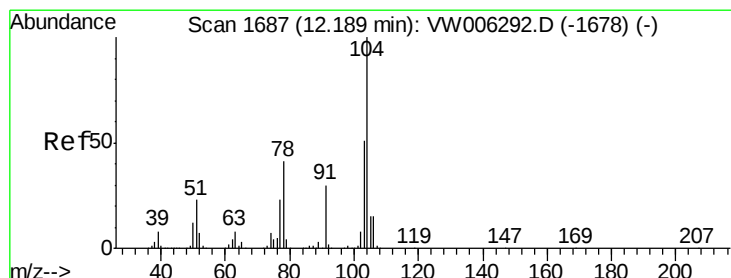
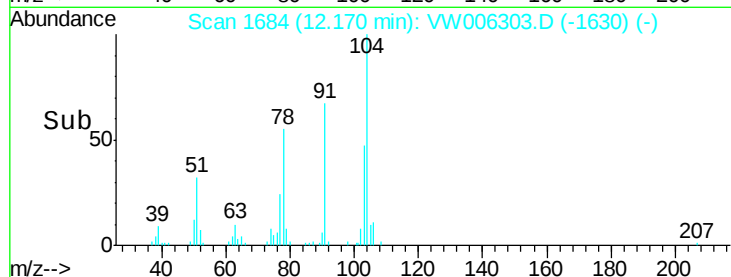
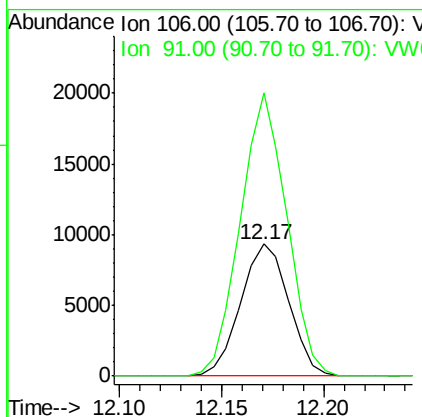
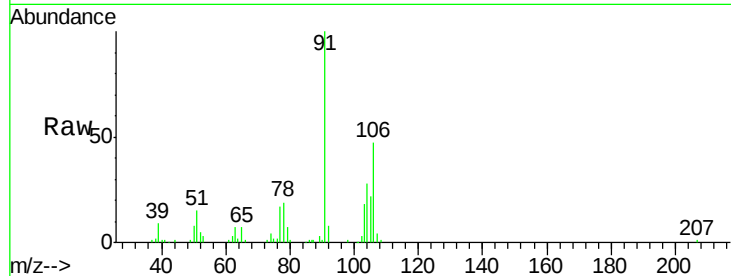
#55
o-xylene
Concen: 1.883 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:106 Resp: 15284
Ion Ratio Lower Upper
106 100
91 214.8 148.7 276.1

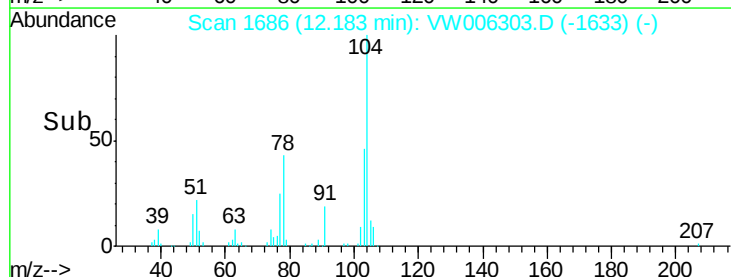
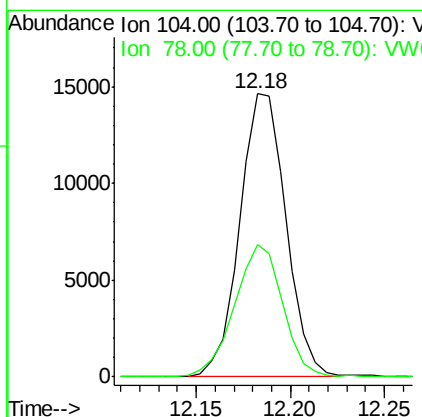
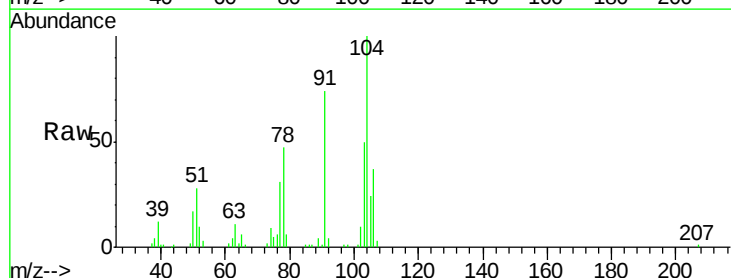
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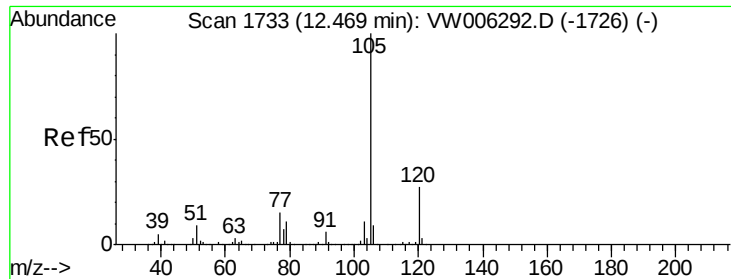
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#56
Styrene
Concen: 1.782 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion:104 Resp: 24904
Ion Ratio Lower Upper
104 100
78 46.5 31.2 58.0





#57

Isopropylbenzene

Concen: 1.854 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

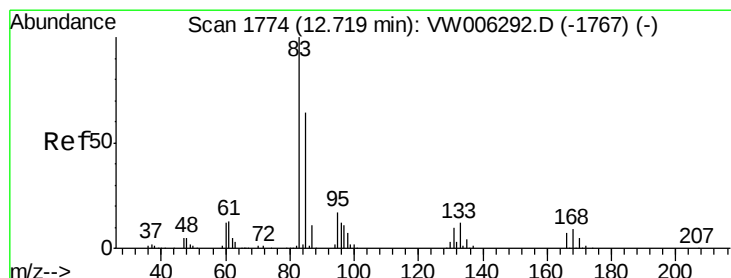
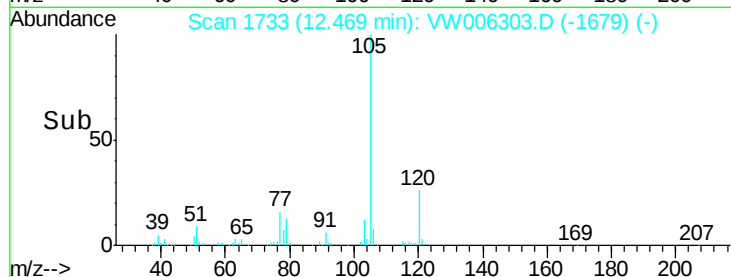
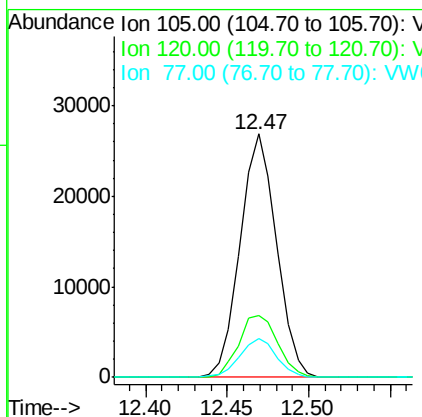
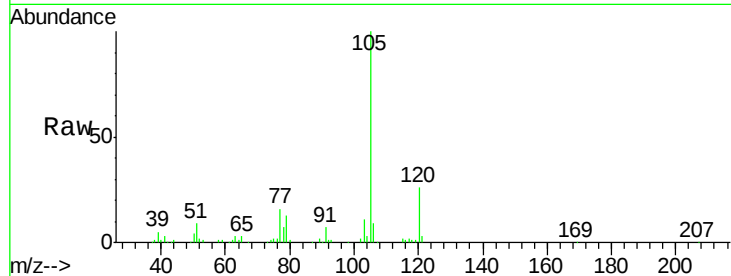
ClientSampleId :

MDL 2 PPB

Tgt Ion:	105	Resp:	41866
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.8	32.6
77	16.1	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.119 ug/L

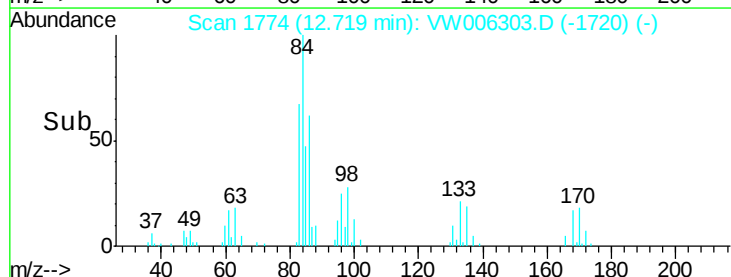
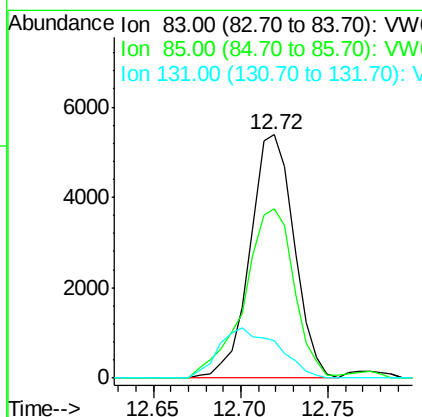
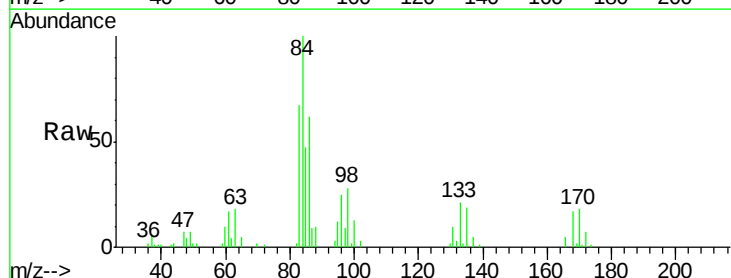
RT: 12.72 min Scan# 1774

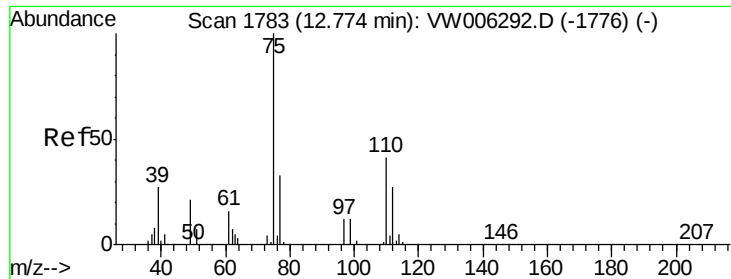
Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Tgt Ion:	83	Resp:	9437
Ion Ratio	Lower	Upper	
83	100		
85	69.6	44.8	83.2
131	15.2	9.0	13.4#





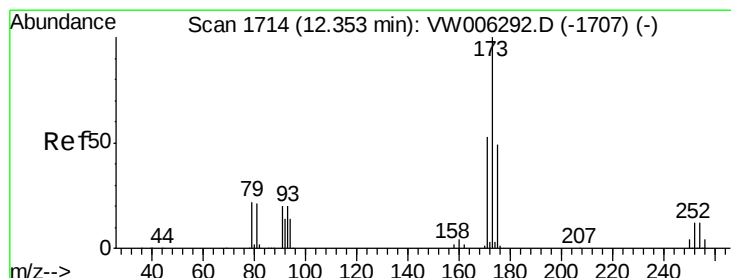
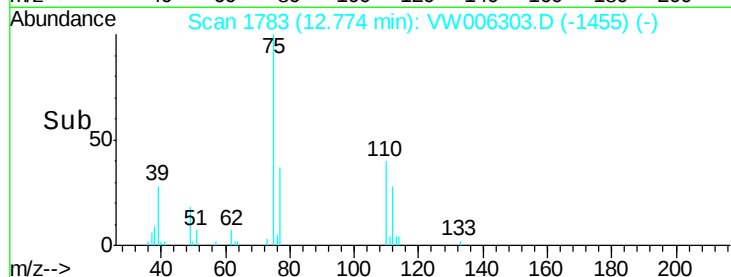
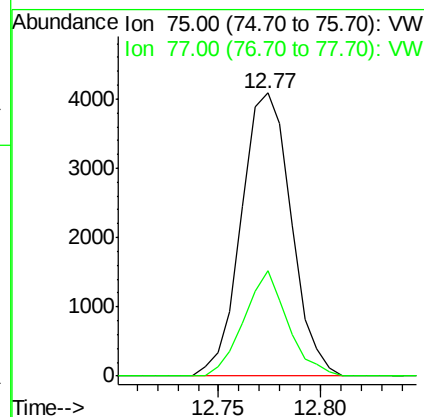
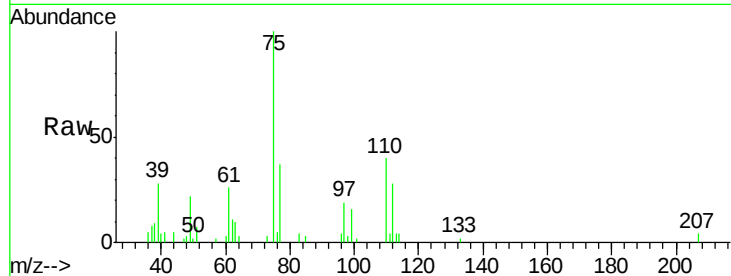
#59
 1,2,3-Trichloropropane
 Concen: 2.090 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 75 Resp: 6945
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9

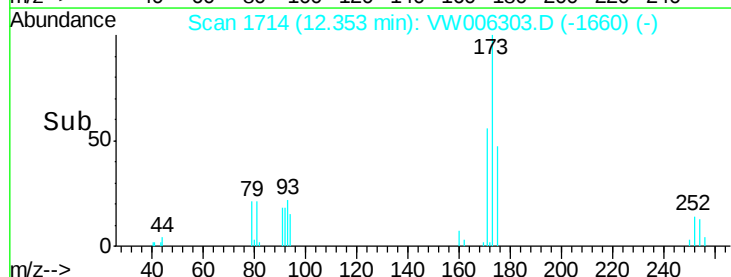
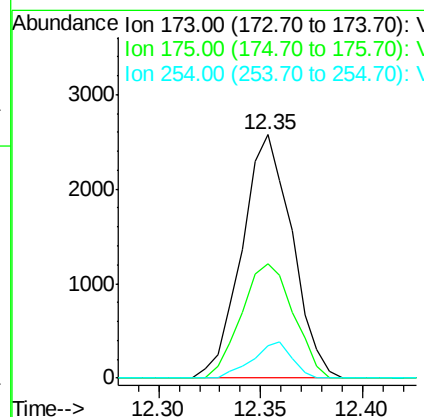
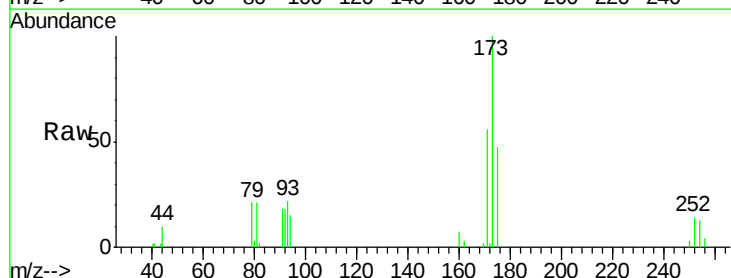
Manual Integrations
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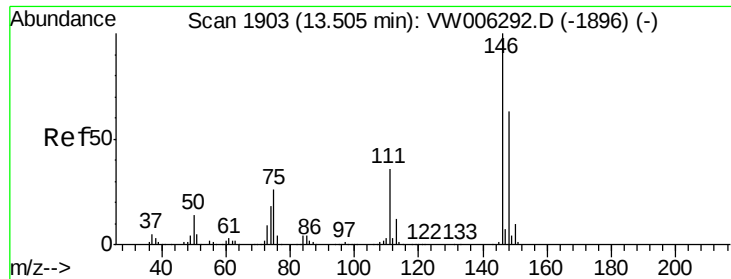
MMDadoda
 10/24/2018 2:07:57 PM



#62
 Bromoform
 Concen: 1.546 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 173 Resp: 4399
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.1 58.7
 254 11.7 9.2 13.8





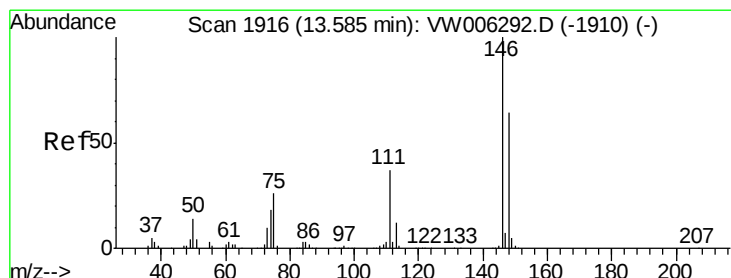
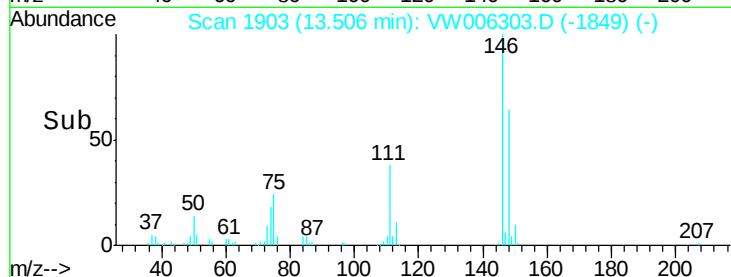
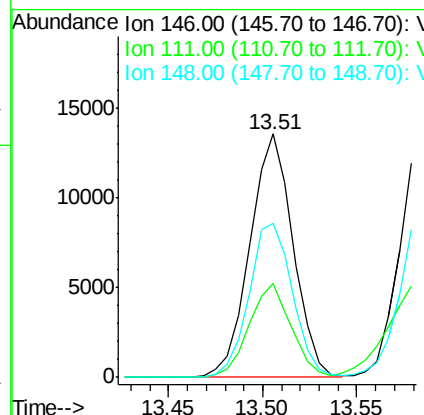
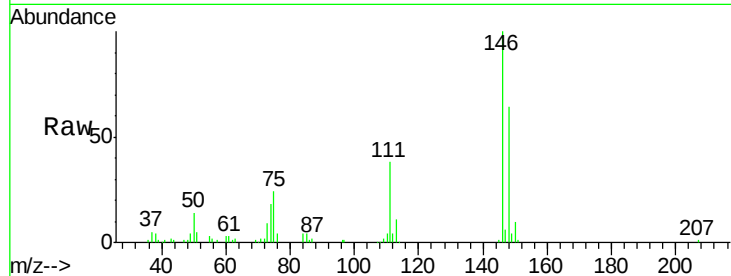
#63
 1,3-Dichlorobenzene
 Concen: 2.063 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.3	48.9
148	63.5	44.7	82.9

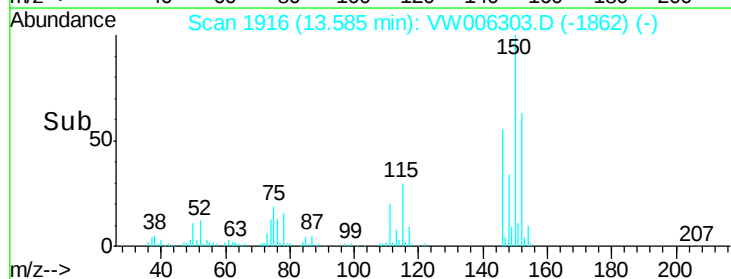
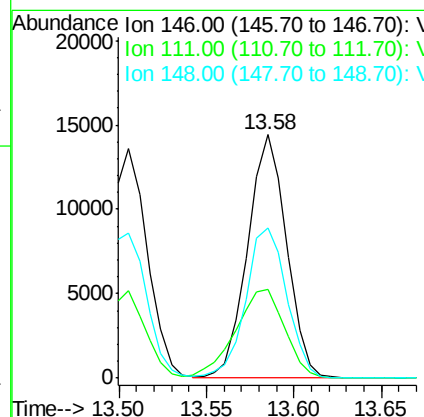
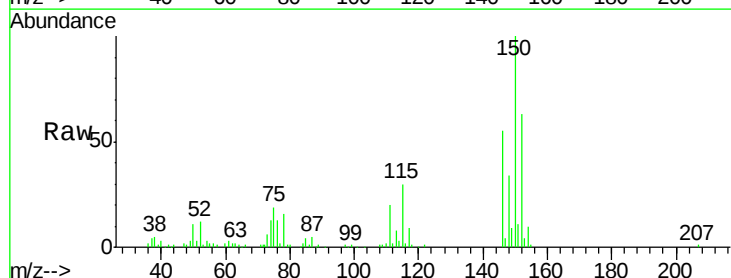
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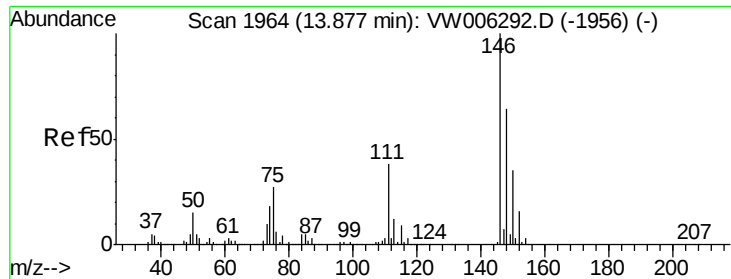
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#64
 1,4-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	24.7	45.9
148	61.8	44.9	83.5





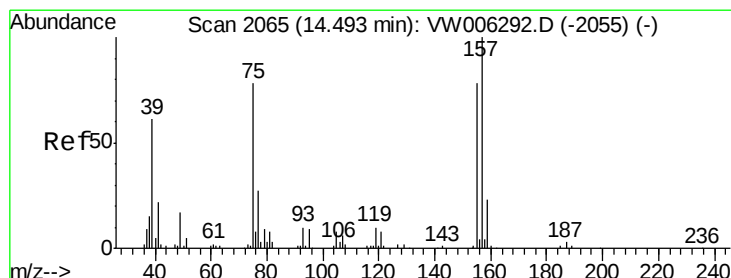
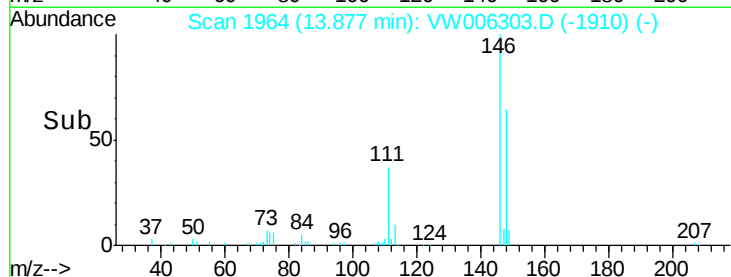
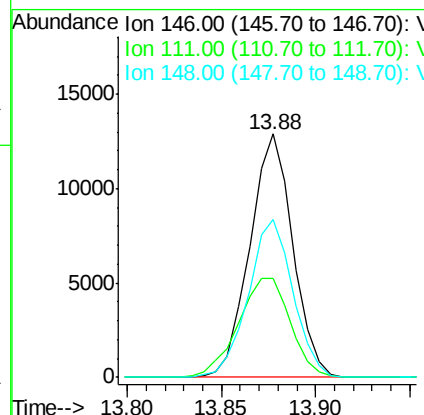
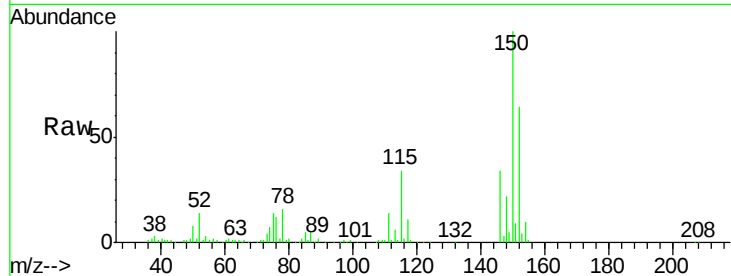
#65
 1,2-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	20419		
111	40.8	31.1	46.7	
148	64.7	51.2	76.8	

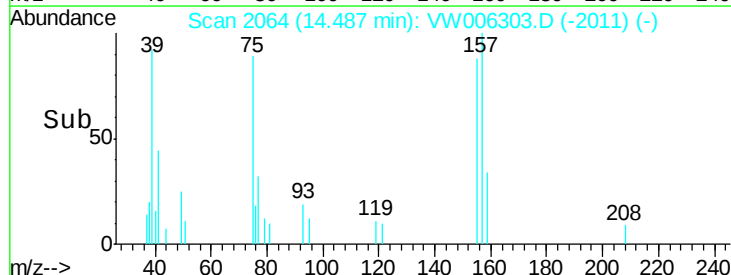
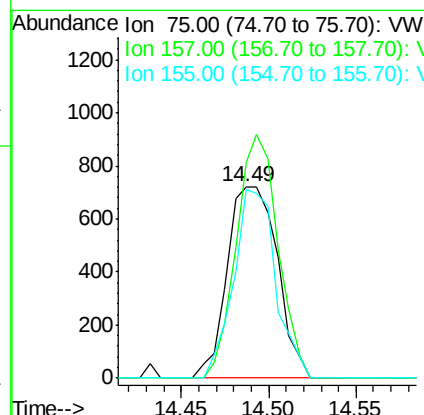
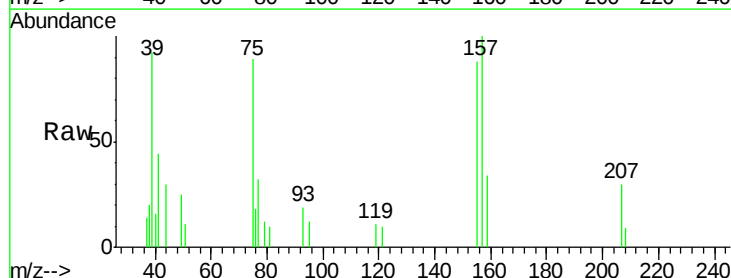
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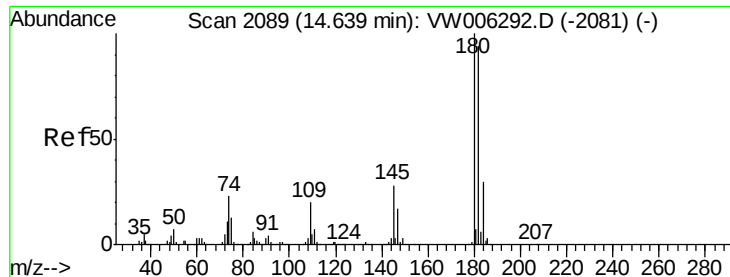
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.855 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1433		
157	112.2	106.8	160.2	
155	98.3	79.2	118.8	





#67

1,3,5-Trichlorobenzene

Concen: 2.013 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.01 min

Lab File: VW006303.D

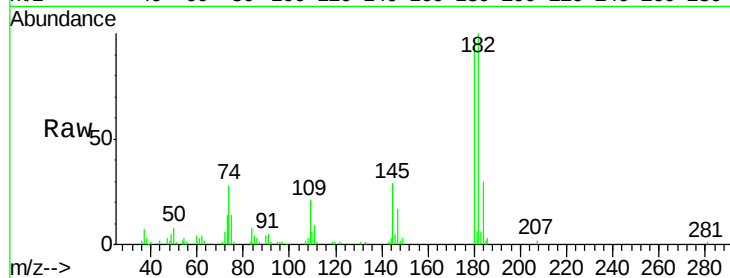
Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB



Tgt Ion:180 Resp: 16929

Ion Ratio Lower Upper

180 100

182 100.3 76.0 114.0

184 31.3 24.3 36.5

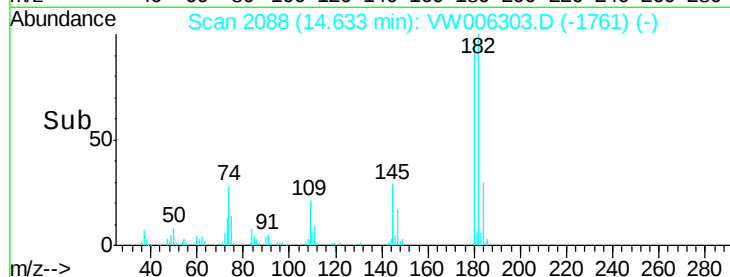
145 27.9 22.6 33.8

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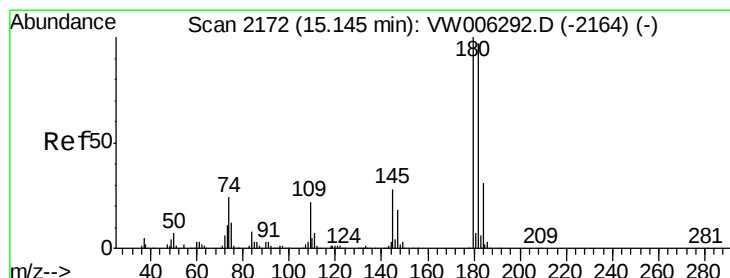
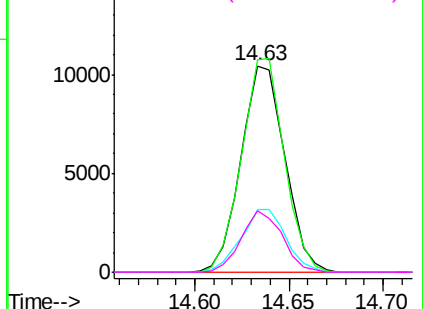


Abundance Ion 180.00 (179.70 to 180.70): V

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: 1.958 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

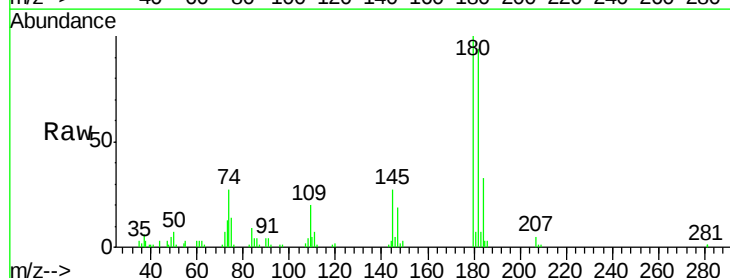
Tgt Ion:180 Resp: 14040

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

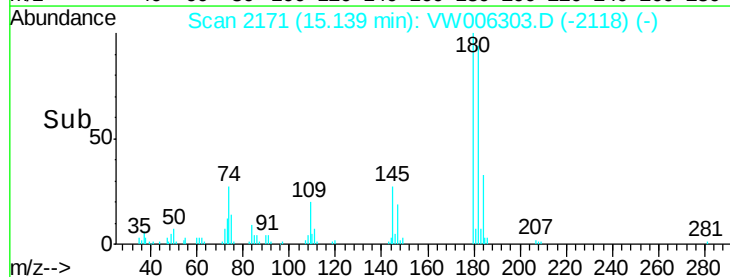
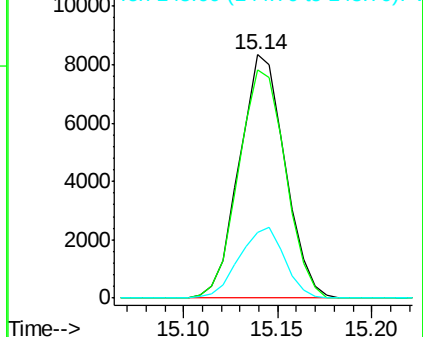
145 28.8 23.0 34.6

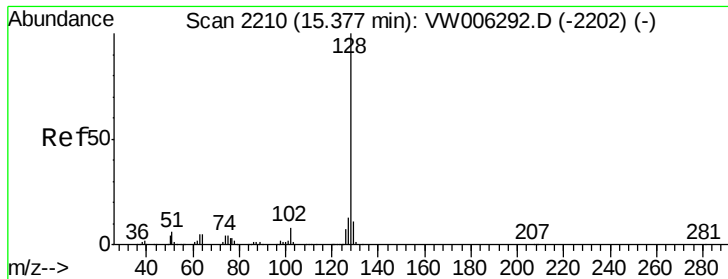


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





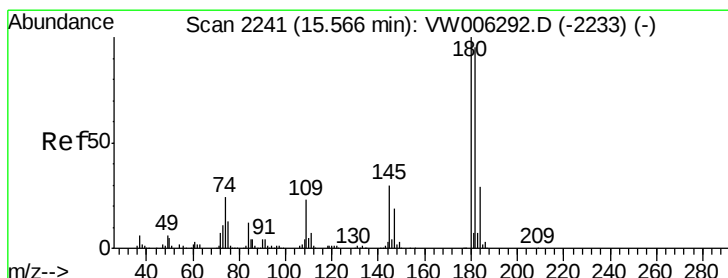
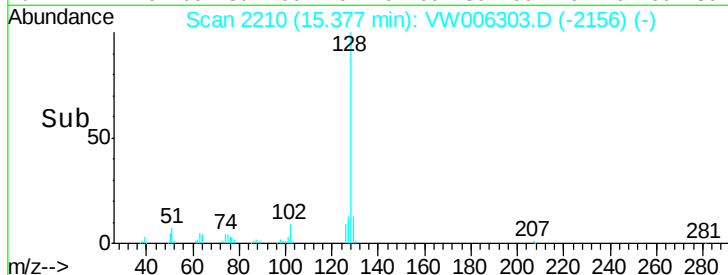
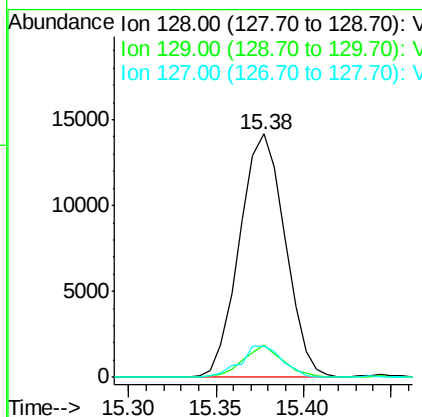
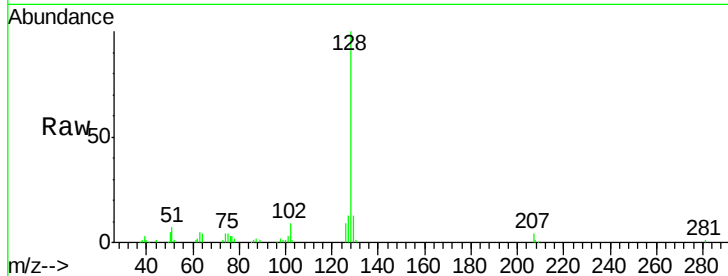
#69
Naphthalene
Concen: 1.773 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	25740		
129	11.6	8.9	13.3	
127	11.9	10.5	15.7	

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#70
1,2,3-Trichlorobenzene
Concen: 1.978 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12742		
182	97.9	75.5	113.3	
145	30.1	24.5	36.7	

