

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006302.D
 Acq On : 23 Oct 2018 18:33
 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 2:07:51 PM

Quant Time: Oct 24 05:32:14 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	316004	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	288629	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	148146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	73815	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
7) Chloroethane-d5	2.90	69	71623	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.01	63	120928	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
20) 2-Butanone-d5	7.09	46	62506	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
24) Chloroform-d	7.65	84	160268	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.31	65	91713	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
29) Benzene-d6	8.27	84	329270	25.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.52%
33) 1,2-Dichloropropane-d6	9.28	67	93724	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	10.33	98	319414	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	36126	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.20%
39) 2-Hexanone-d5	10.93	63	48867	51.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95396	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	129184	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7942m	2.659 ug/L	
3) Chloromethane	2.21	50	7662	2.612 ug/L	97
5) Vinyl chloride	2.37	62	10596	2.241 ug/L #	82
6) Bromomethane	2.79	94	7889m	2.143 ug/L	
8) Chloroethane	2.93	64	6607	2.280 ug/L	93
9) Trichlorofluoromethane	3.26	101	8618	2.279 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10212	2.701 ug/L #	50
12) 1,1-Dichloroethene	4.04	96	9130	2.516 ug/L #	1
13) Acetone	4.15	43	6381	5.347 ug/L	98
14) Carbon disulfide	4.38	76	21471	1.810 ug/L	97
15) Methyl Acetate	4.68	43	4765	2.465 ug/L #	65
16) Methylene chloride	4.91	84	15036	3.685 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	12103	2.049 ug/L #	88
18) trans-1,2-Dichloroethene	5.43	96	8179	2.036 ug/L	91
19) 1,1-Dichloroethane	6.21	63	13208	2.032 ug/L	96
21) 2-Butanone	7.19	43	7907	4.986 ug/L	75
22) cis-1,2-Dichloroethene	7.18	96	9155	2.089 ug/L	93

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Manual Integrations
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 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)
23) Bromochloromethane	7.52	128	4151	2.014	ug/L	95
25) Chloroform	7.68	83	15696	2.243	ug/L	87
27) 1,2-Dichloroethane	8.41	62	10522	2.206	ug/L	99
30) Cyclohexane	7.96	56	12626	1.990	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	12916	2.139	ug/L	97
32) Carbon tetrachloride	8.07	117	12171	2.055	ug/L	96
34) Benzene	8.33	78	32896m	2.220	ug/L	
35) Trichloroethene	9.09	95	9046	2.170	ug/L	97
36) Methylcyclohexane	9.34	83	15277	2.000	ug/L	93
40) 1,2-Dichloropropane	9.37	63	7429	2.021	ug/L	98
41) Bromodichloromethane	9.65	83	8976	1.808	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	10018m	1.669	ug/L	
43) 4-Methyl-2-pentanone	10.21	43	12397	4.209	ug/L	99
44) Toluene	10.39	91	36844	2.215	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	10476	1.998	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	6658	2.175	ug/L	92
47) Tetrachloroethene	10.87	164	8503	2.203	ug/L	90
49) 2-Hexanone	10.98	43	8539	3.934	ug/L #	96
50) Dibromochloromethane	11.13	129	6845	1.745	ug/L	97
51) 1,2-Dibromoethane	11.24	107	6657	2.089	ug/L	97
52) Chlorobenzene	11.66	112	24038	2.135	ug/L	93
53) Ethylbenzene	11.74	91	40365	2.084	ug/L	97
54) m,p-Xylene	11.84	106	14683	1.934	ug/L	97
55) o-xylene	12.17	106	14294	1.972	ug/L	89
56) Styrene	12.18	104	22237	1.781	ug/L	97
57) Isopropylbenzene	12.47	105	38632	1.915	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9213	2.316	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	6571	2.214	ug/L	98
62) Bromoform	12.35	173	4089	1.647	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	19340	2.126	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	19667	2.147	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	18782	2.244	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1402	2.081	ug/L	83
67) 1,3,5-Trichlorobenzene	14.64	180	15395	2.099	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	12581	2.012	ug/L	99
69) Naphthalene	15.38	128	23340	1.844	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	11358	2.022	ug/L	97

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

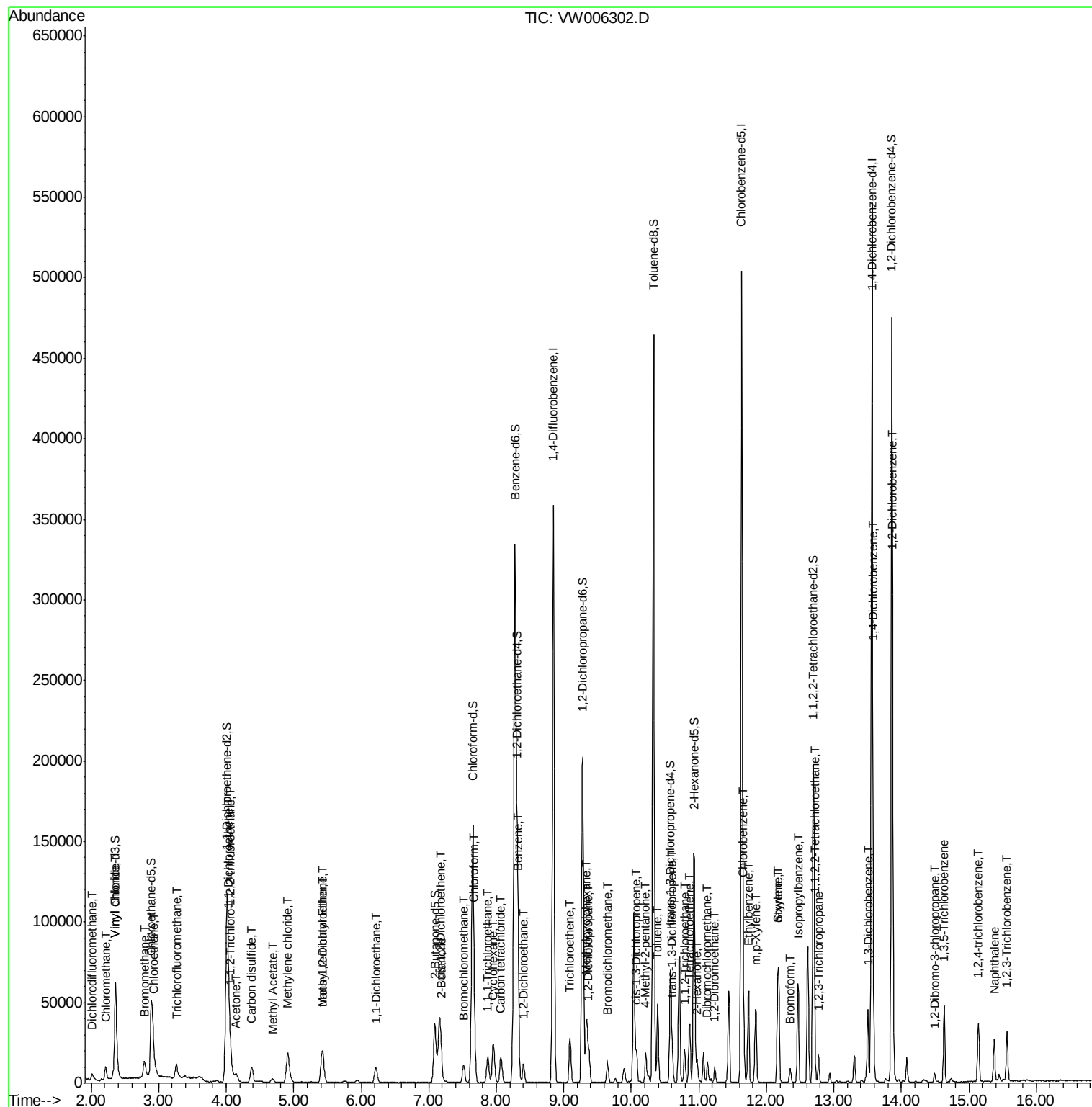
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
Data File : VW006302.D
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Operator : SY/AP
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ALS Vial : 1 Sample Multiplier: 1

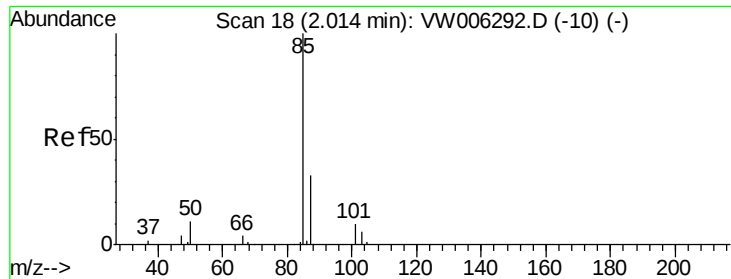
Instrument :
MSVOA_W
ClientSampleID :
MDL 2 PPB

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#2

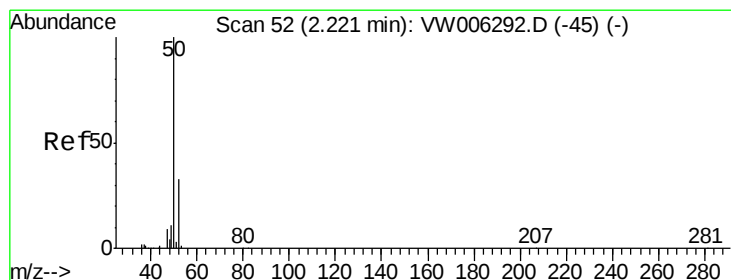
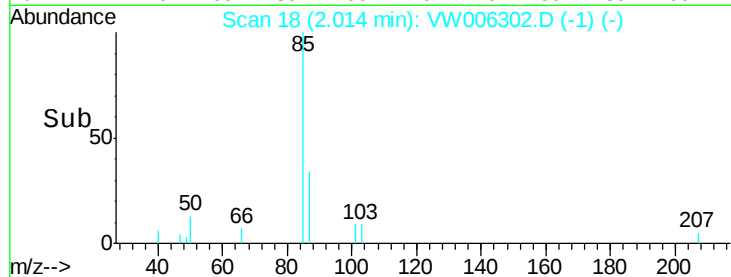
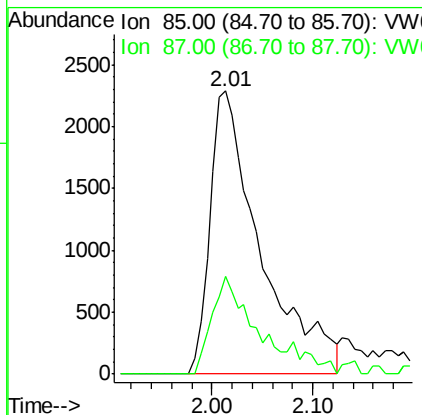
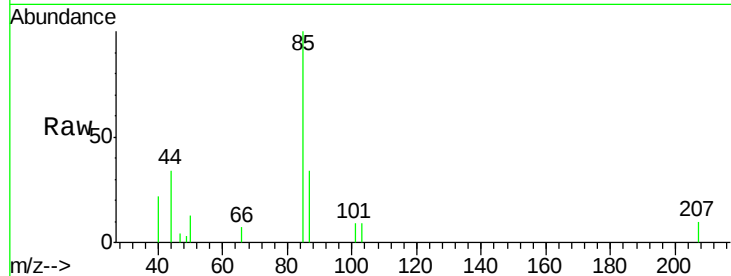
Dichlorodifluoromethane
Concen: 2.659 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 85 Resp: 7942
Ion Ratio Lower Upper
85 100
87 27.2 19.2 35.6

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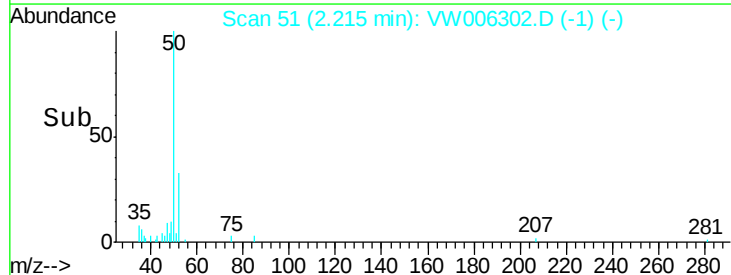
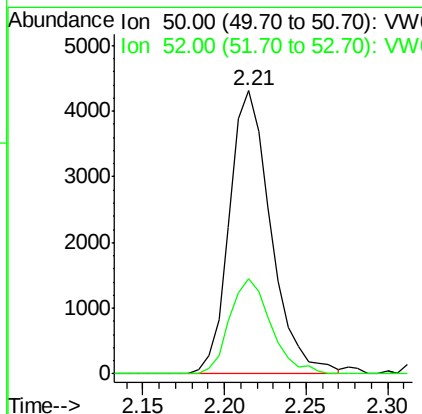
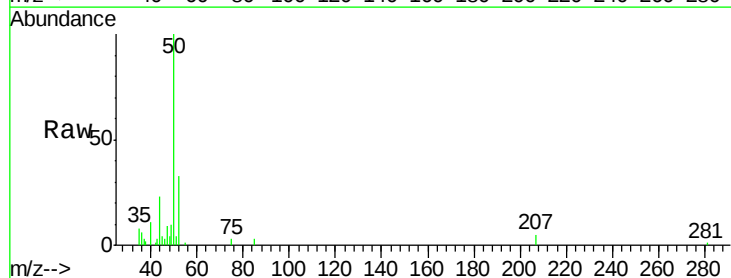
MMDadoda
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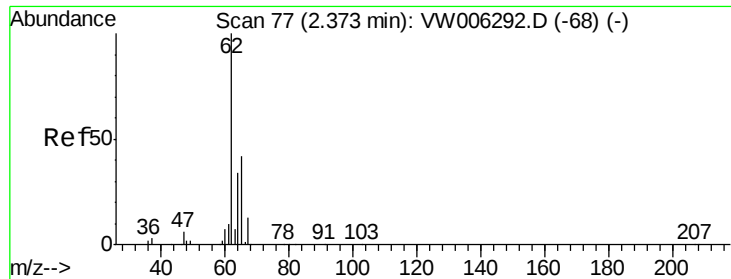


#3

Chloromethane
Concen: 2.612 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion: 50 Resp: 7662
Ion Ratio Lower Upper
50 100
52 33.5 22.3 41.3





#5

Vinyl chloride

Concen: 2.241 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 62 Resp: 10596

Ion Ratio Lower Upper

62 100

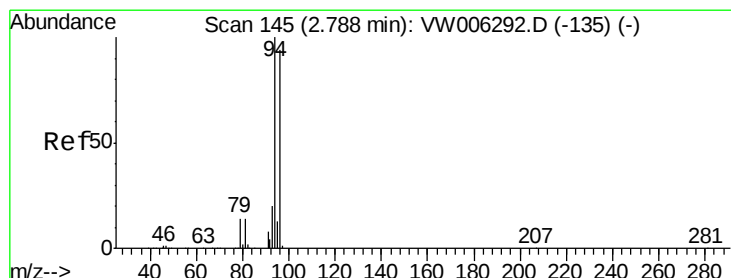
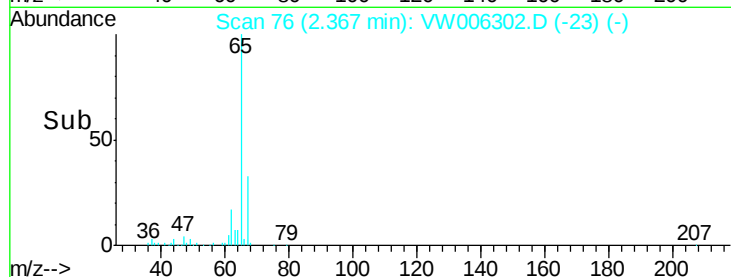
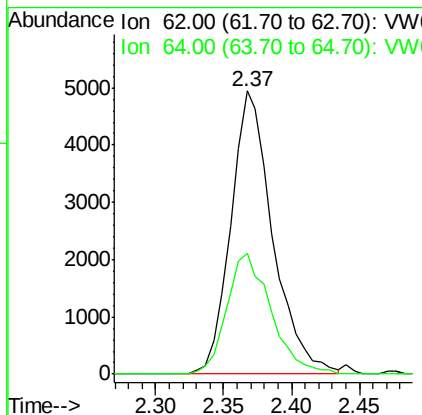
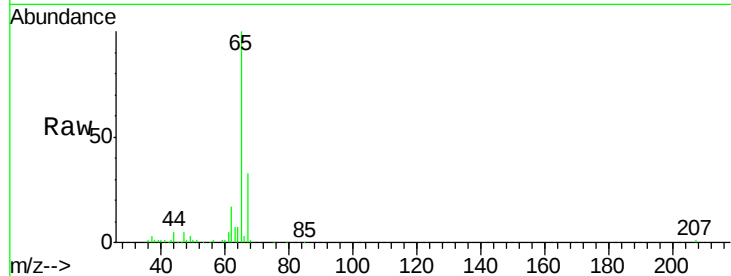
64 42.9 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.143 ug/L m

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006302.D

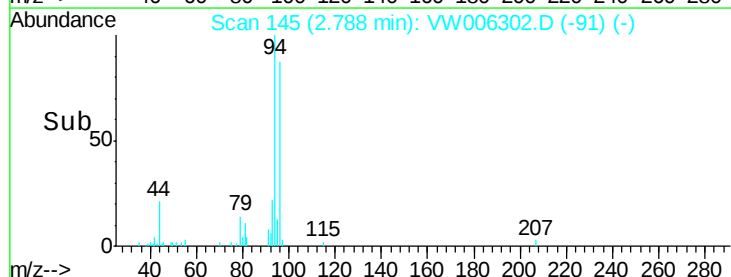
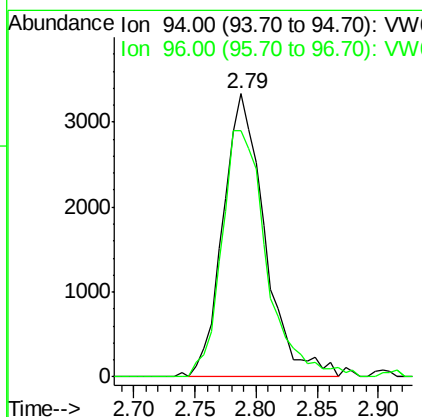
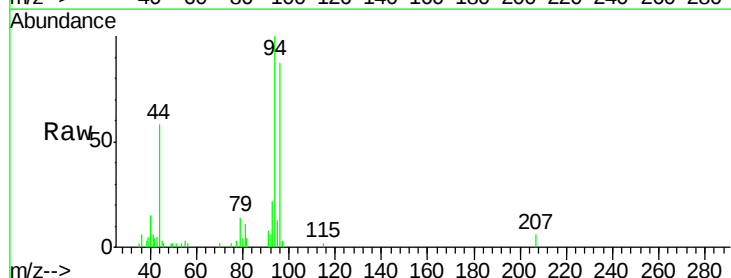
Acq: 23 Oct 2018 18:33

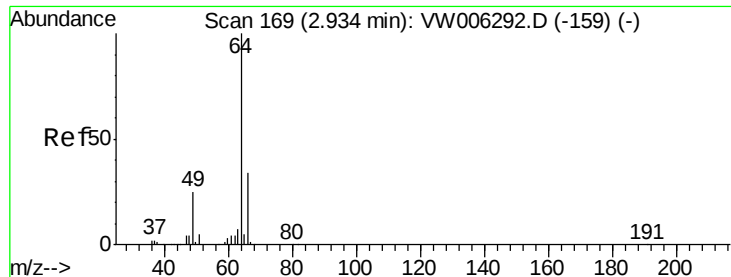
Tgt Ion: 94 Resp: 7889

Ion Ratio Lower Upper

94 100

96 92.6 9.5 181.3





#8

Chloroethane

Concen: 2.280 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 64 Resp: 6607

Ion Ratio Lower Upper

64 100

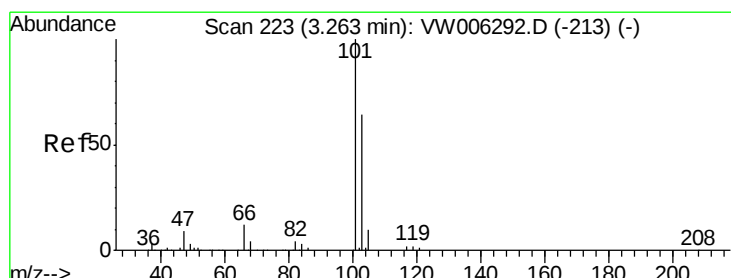
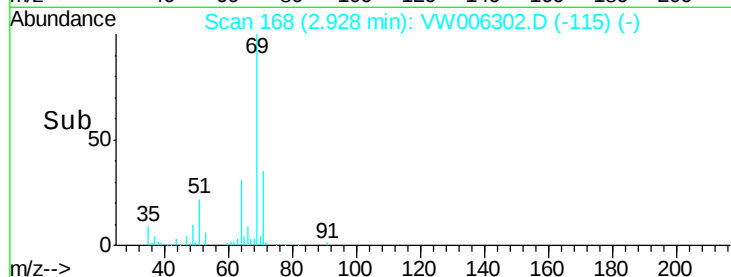
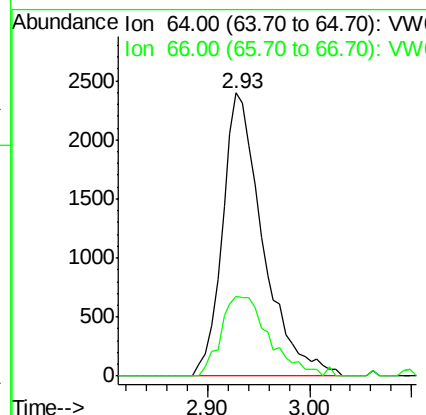
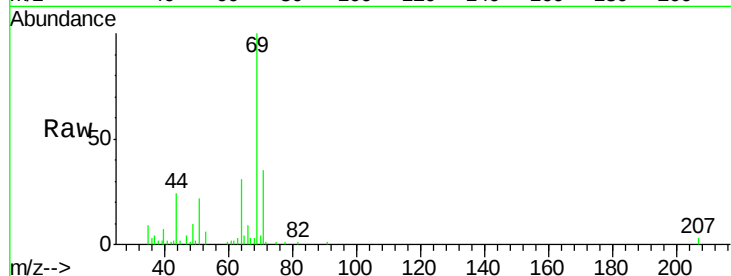
66 28.4 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.279 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006302.D

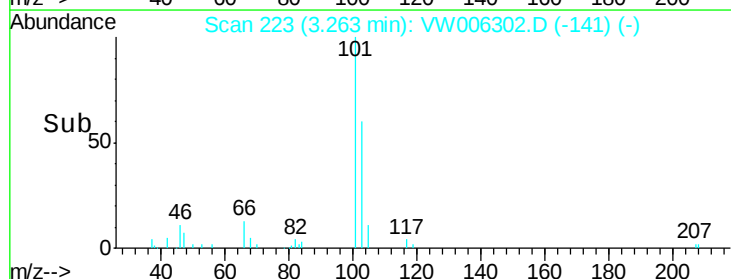
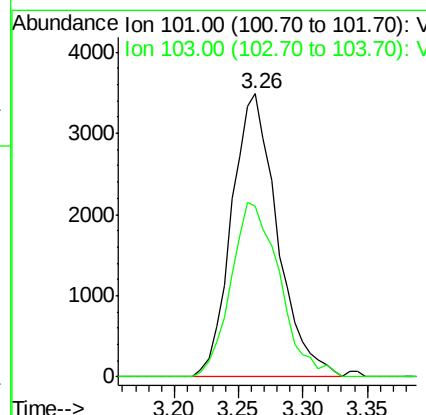
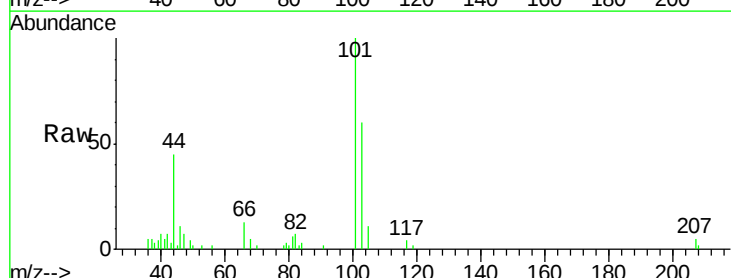
Acq: 23 Oct 2018 18:33

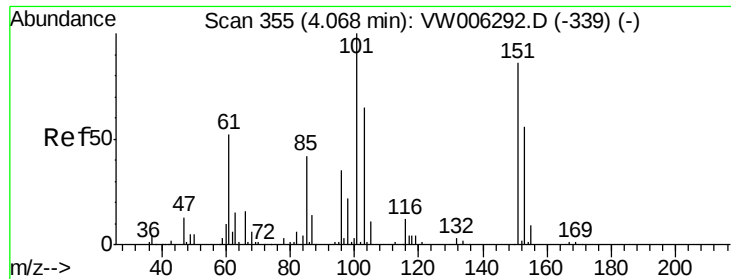
Tgt Ion: 101 Resp: 8618

Ion Ratio Lower Upper

101 100

103 65.5 45.6 84.6





#11

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

Concen: 2.701 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

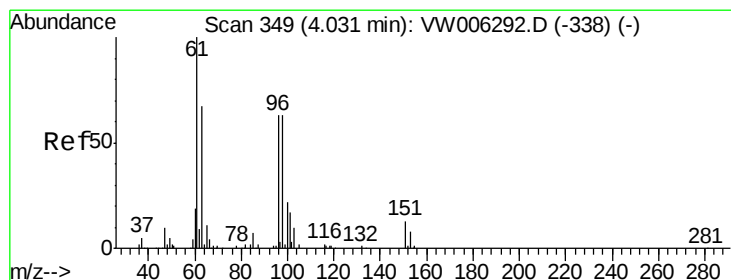
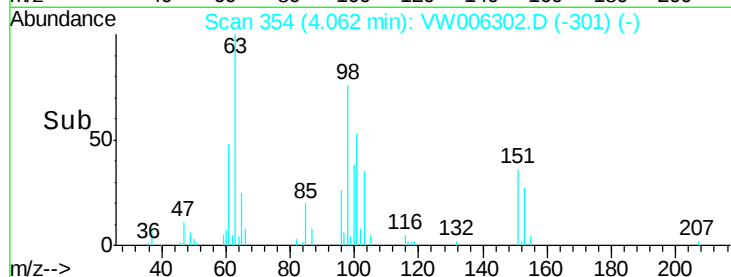
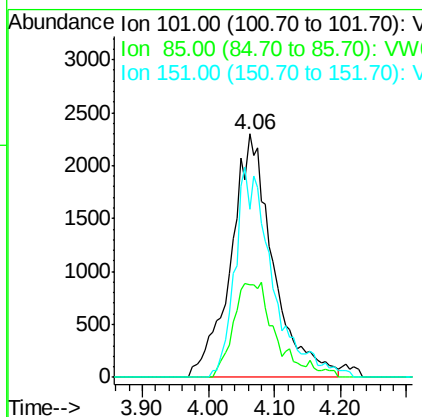
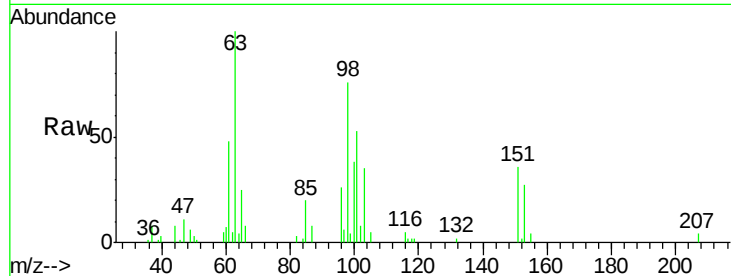
ClientSampleId :

MDL 2 PPB

Tgt Ion:	101	Resp:	10212
Ion Ratio	Lower	Upper	
101	100		
85	22.3	33.4	50.2#
151	31.2	68.7	103.1#

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#12

1,1-Dichloroethene

Concen: 2.516 ug/L

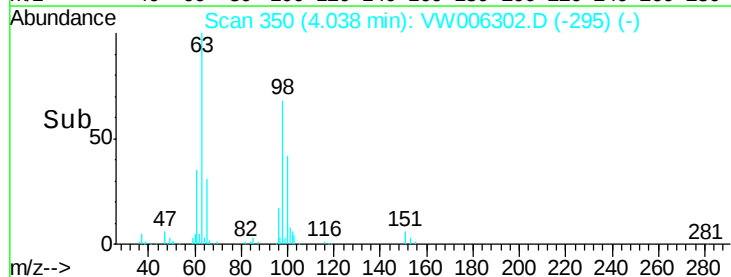
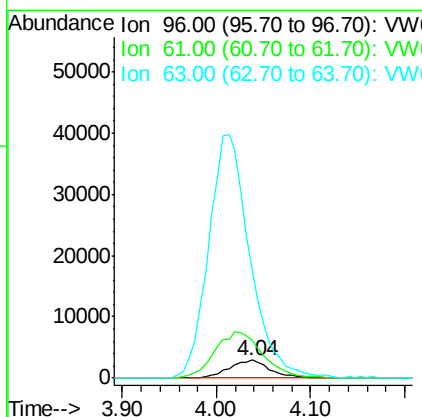
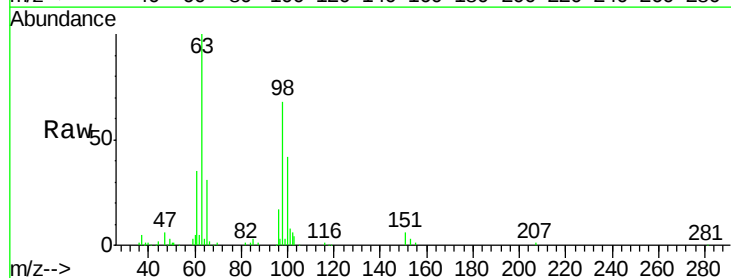
RT: 4.04 min Scan# 350

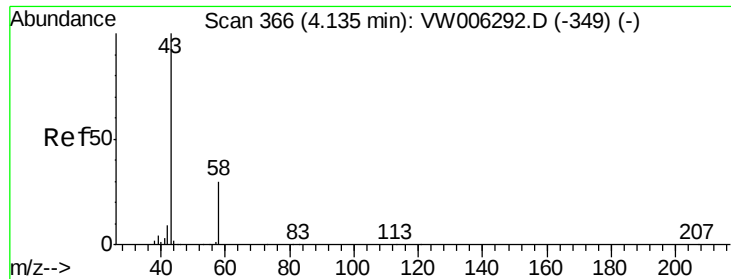
Delta R.T. 0.01 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Tgt Ion:	96	Resp:	9130
Ion Ratio	Lower	Upper	
96	100		
61	210.7	112.3	208.7#
63	596.8	102.6	190.6#





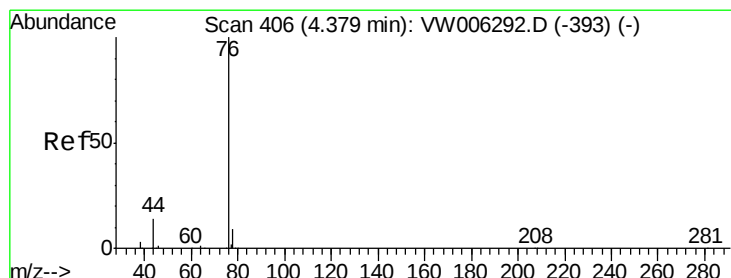
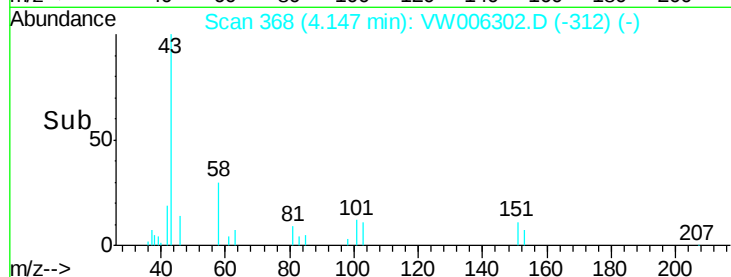
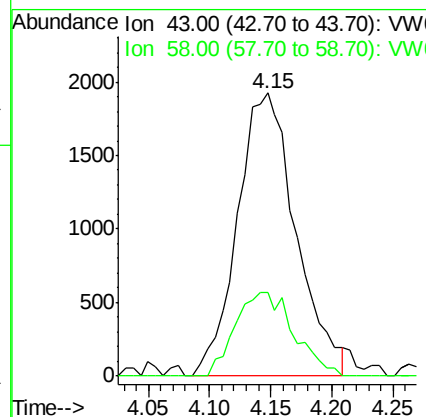
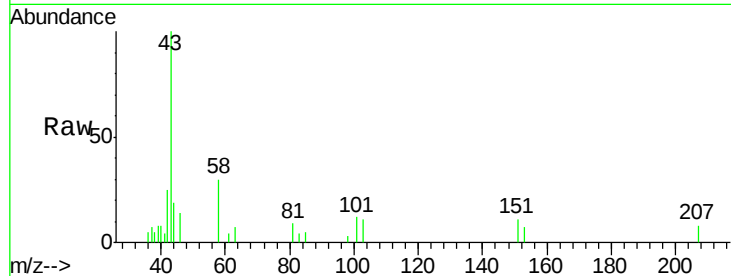
#13
Acetone
Concen: 5.347 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 43 Resp: 6381
Ion Ratio Lower Upper
43 100
58 29.7 0.0 61.2

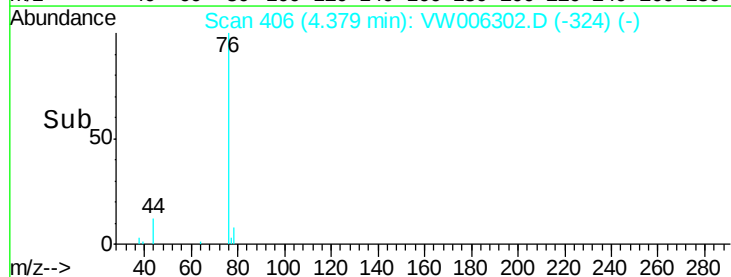
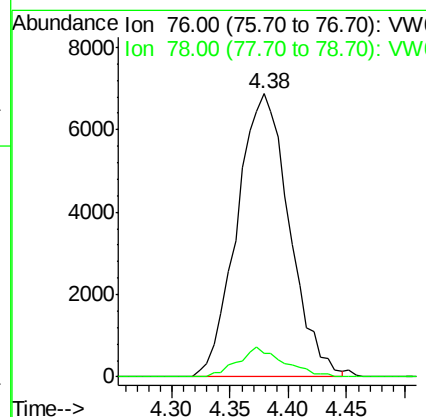
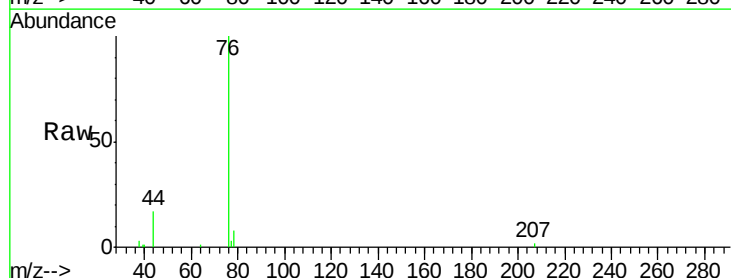
Manual Integrations
APPROVED

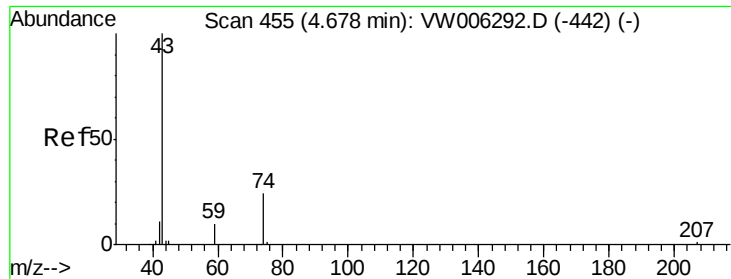
MMDadoda
10/24/2018 2:07:51 PM



#14
Carbon disulfide
Concen: 1.810 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion: 76 Resp: 21471
Ion Ratio Lower Upper
76 100
78 8.4 7.6 11.4





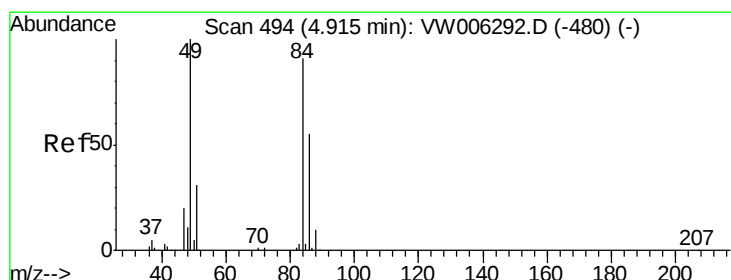
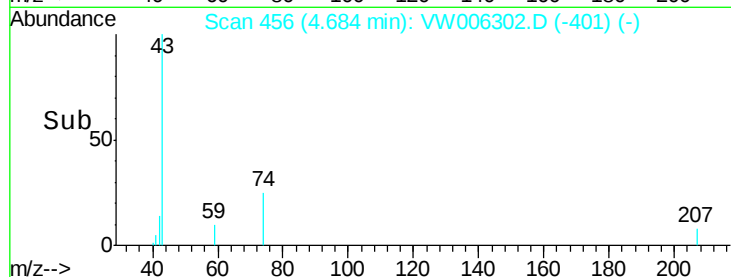
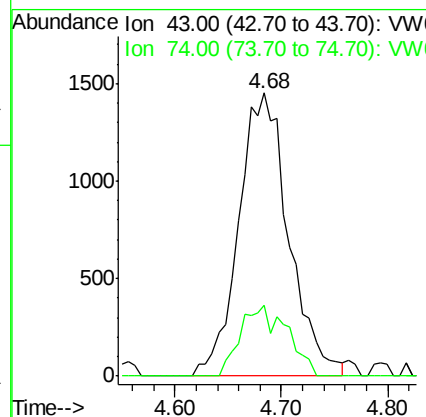
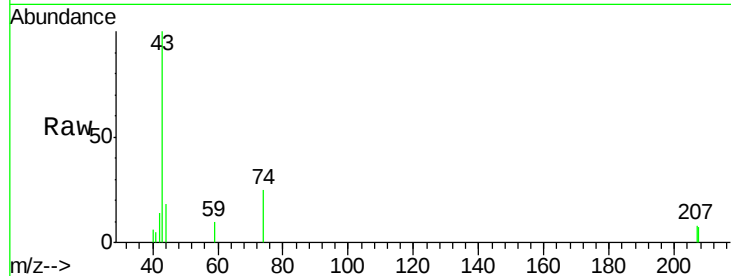
#15
Methyl Acetate
Concen: 2.465 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 43 Resp: 4765
Ion Ratio Lower Upper
43 100
74 7.0 19.4 29.2#

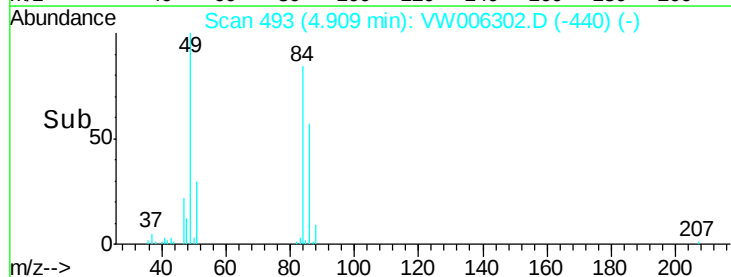
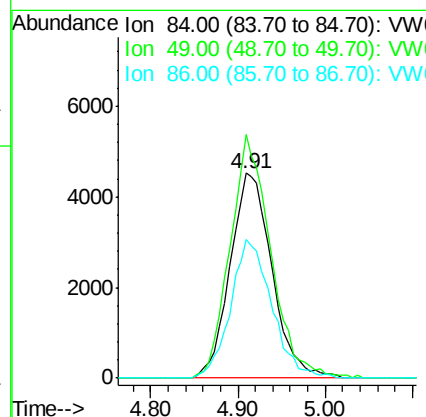
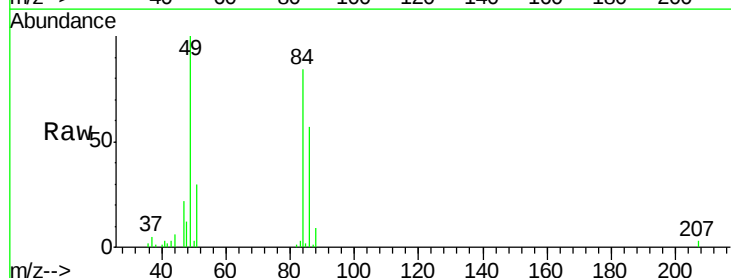
Manual Integrations
APPROVED

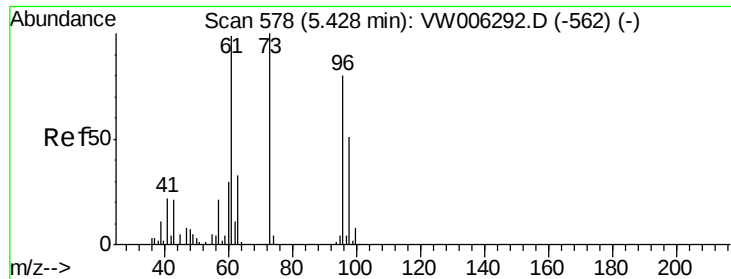
MMDadoda
10/24/2018 2:07:51 PM



#16
Methylene chloride
Concen: 3.685 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion: 84 Resp: 15036
Ion Ratio Lower Upper
84 100
49 118.8 83.5 155.1
86 67.6 44.9 83.5





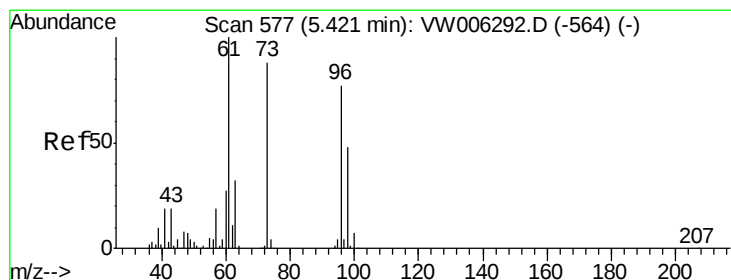
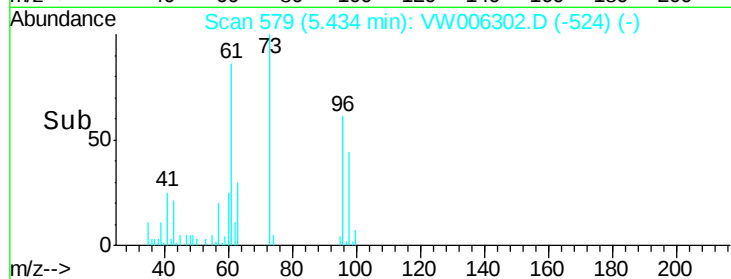
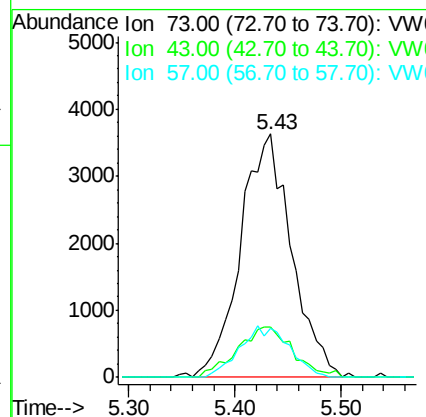
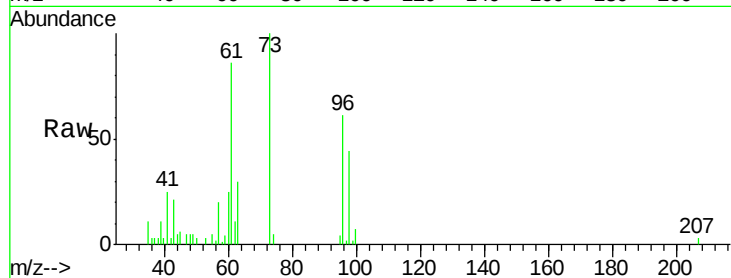
#17
Methyl tert-butyl Ether
Concen: 2.049 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.4	17.0	25.4
57	10.9	17.1	25.7#

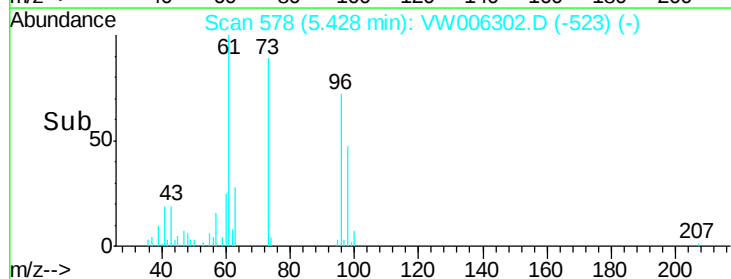
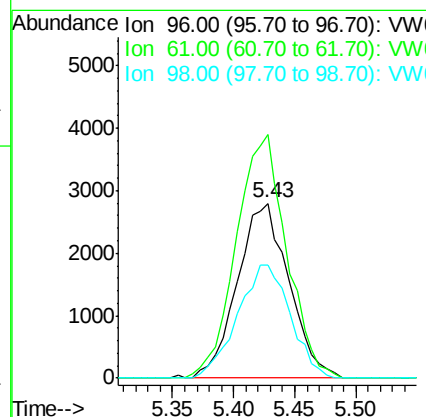
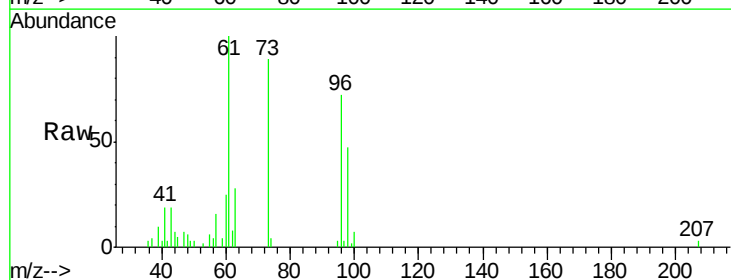
Manual Integrations
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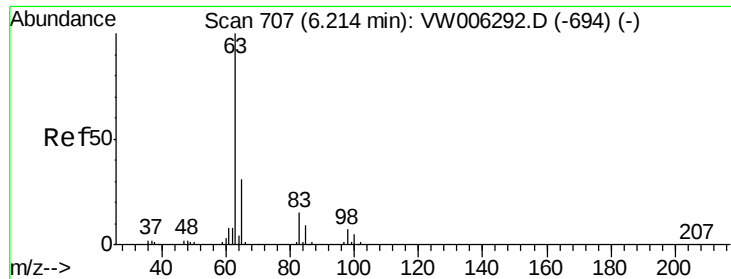
MMDadoda
10/24/2018 2:07:51 PM



#18
trans-1,2-Dichloroethene
Concen: 2.036 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	89.0	165.2
98	64.9	42.4	78.6





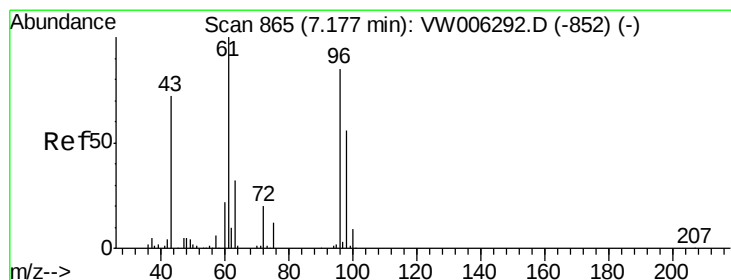
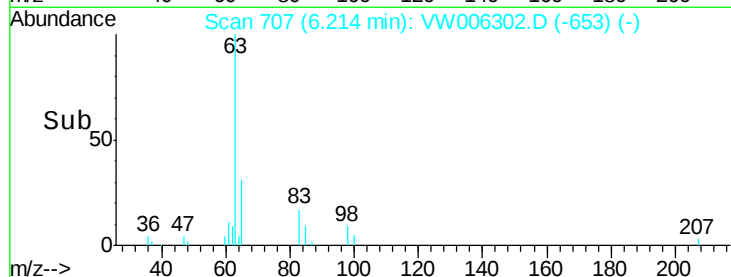
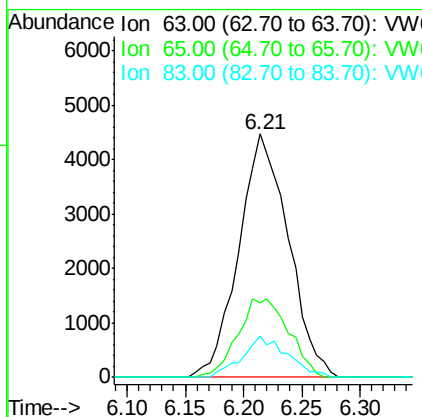
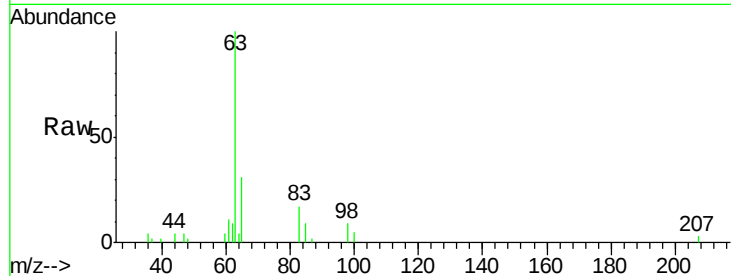
#19
 1,1-Dichloroethane
 Concen: 2.032 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.3	41.5
83	16.9	9.7	18.1

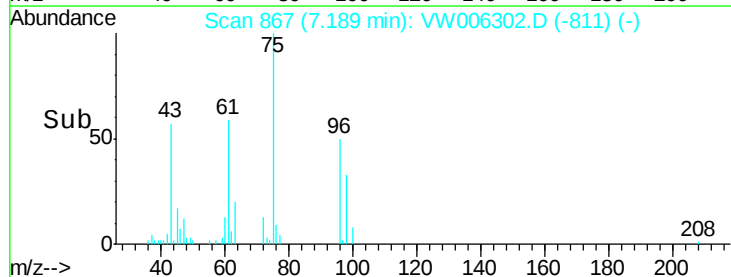
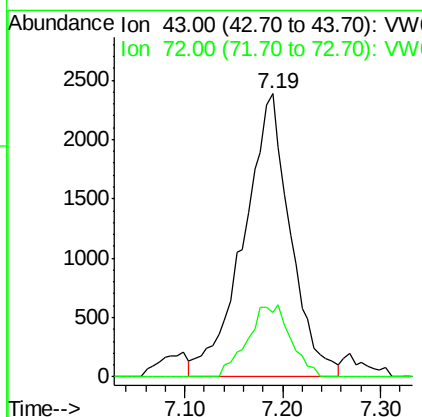
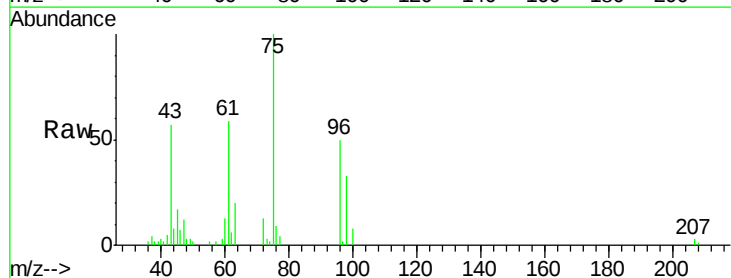
Manual Integrations
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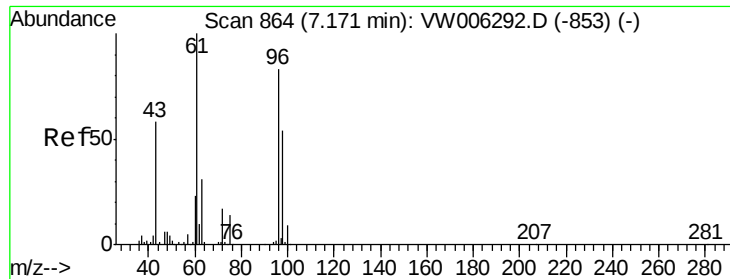
MMDadoda
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#21
 2-Butanone
 Concen: 4.986 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	14.3	13.8	41.4





#22

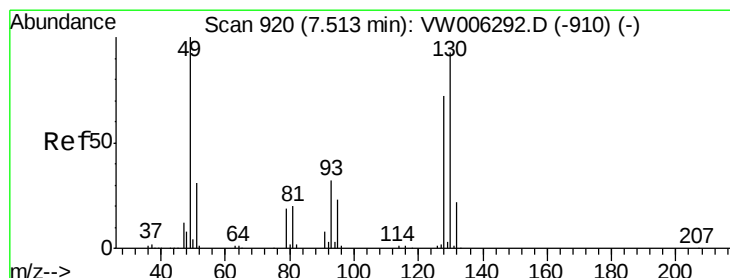
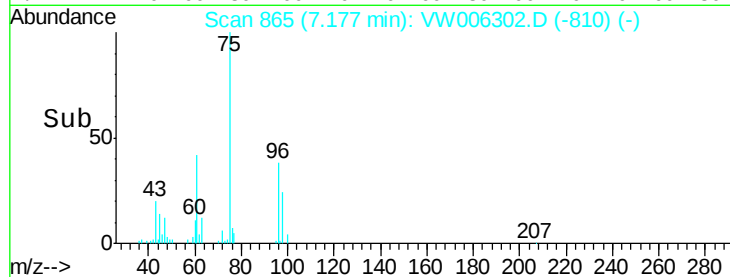
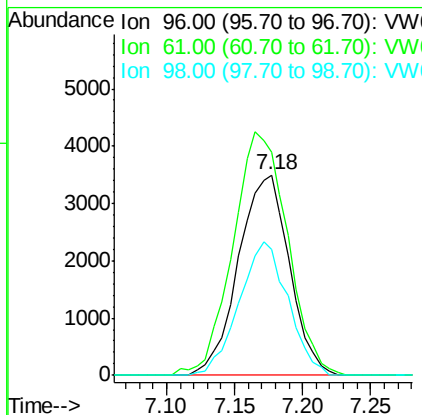
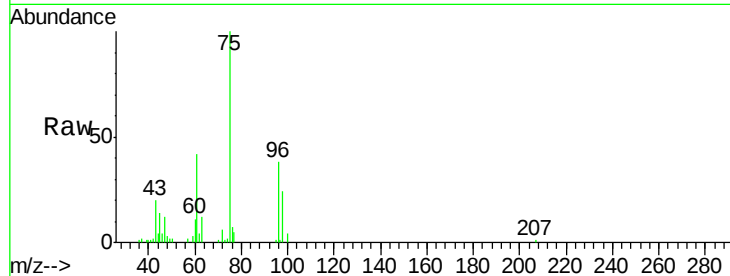
cis-1,2-Dichloroethene
 Concen: 2.089 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.3	85.1	158.1
98	63.1	46.3	86.1

Manual Integrations
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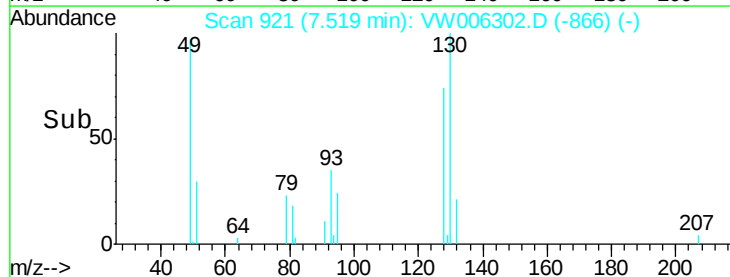
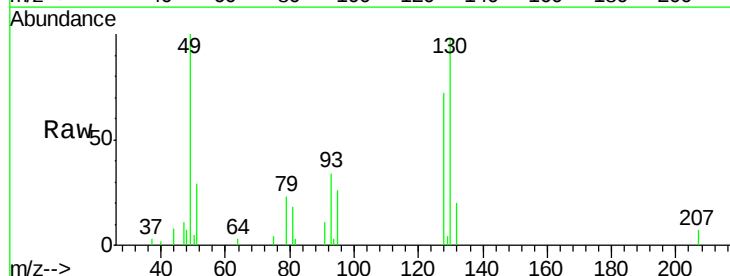
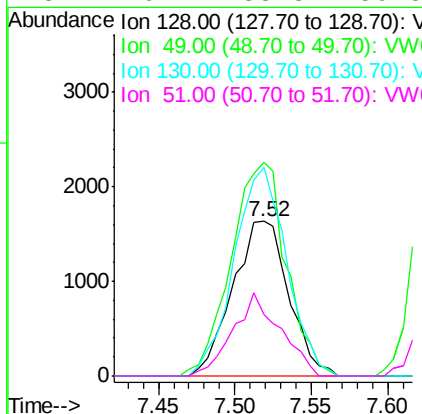
MMDadoda
 10/24/2018 2:07:51 PM

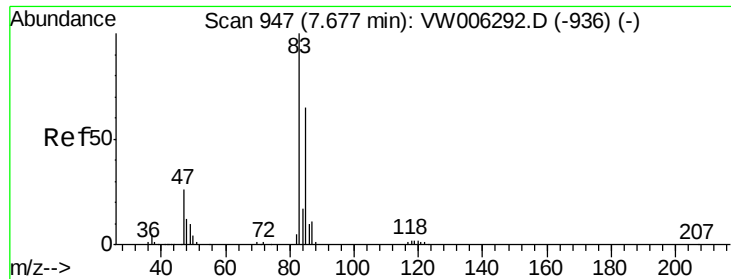


#23

Bromochloromethane
 Concen: 2.014 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	138.2	95.2	176.8
130	134.9	86.3	160.3
51	40.1	33.8	50.8





#25

Chloroform

Concen: 2.243 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 83 Resp: 15696

Ion Ratio Lower Upper

83 100

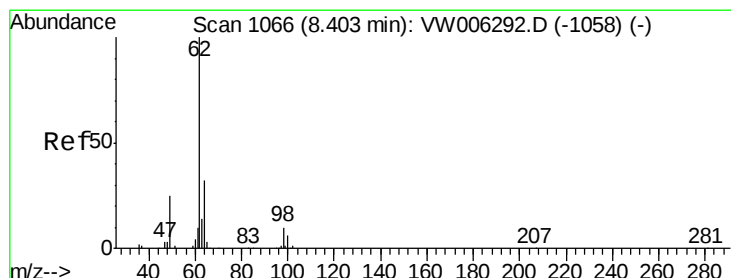
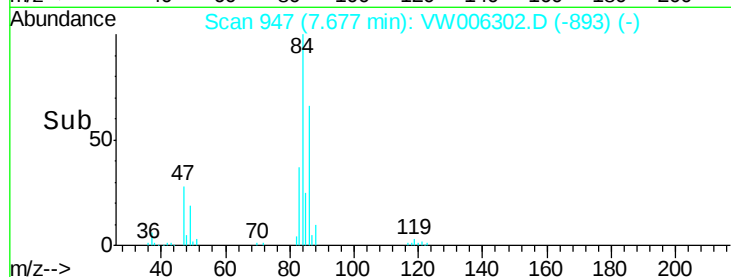
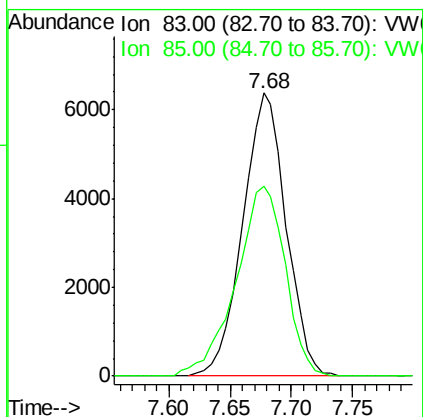
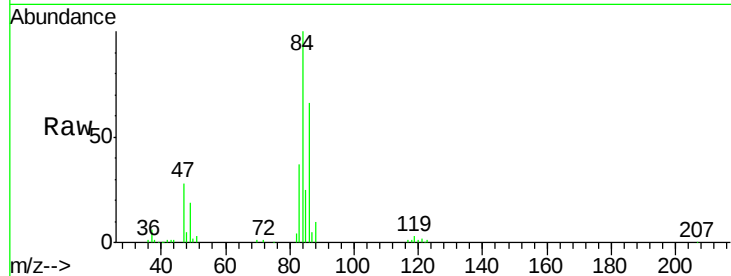
85 76.1 46.3 85.9

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.206 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW006302.D

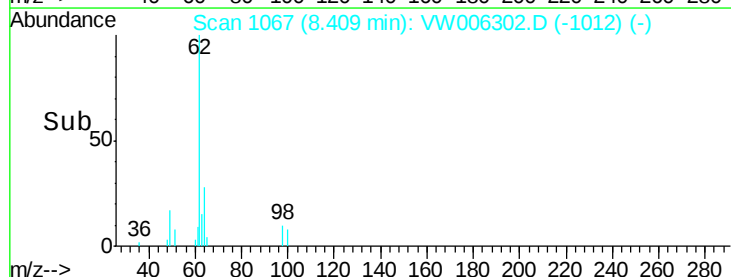
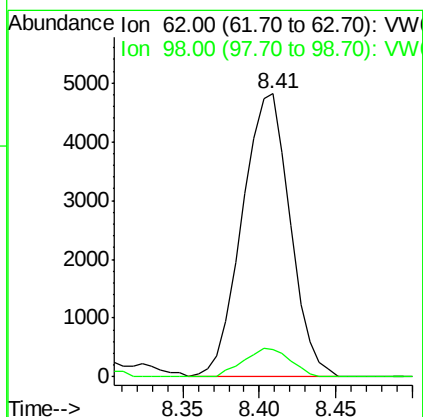
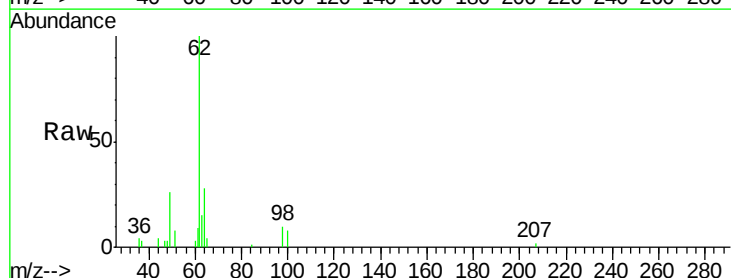
Acq: 23 Oct 2018 18:33

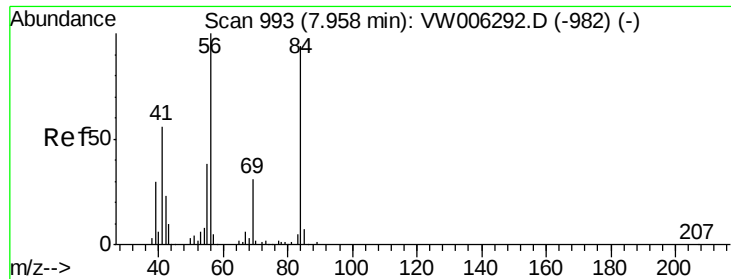
Tgt Ion: 62 Resp: 10522

Ion Ratio Lower Upper

62 100

98 9.7 8.0 12.0





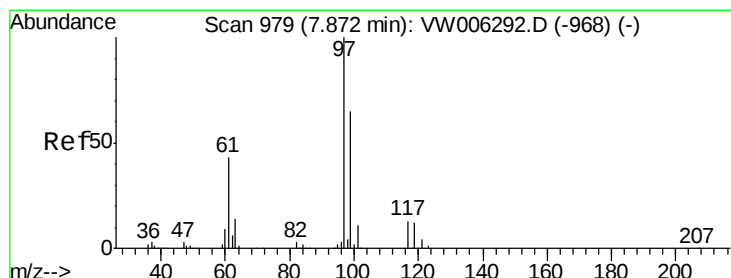
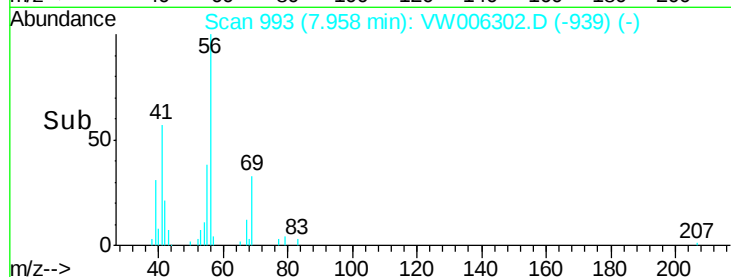
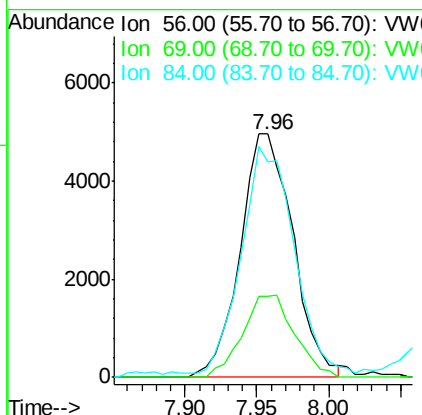
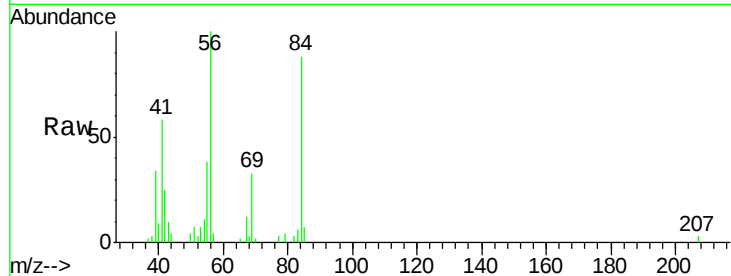
#30
Cyclohexane
Concen: 1.990 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.4	38.0
84	96.5	73.9	110.9

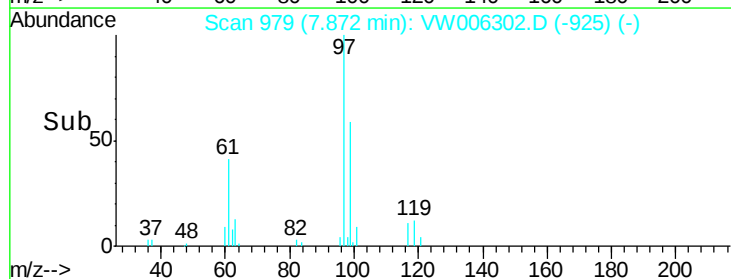
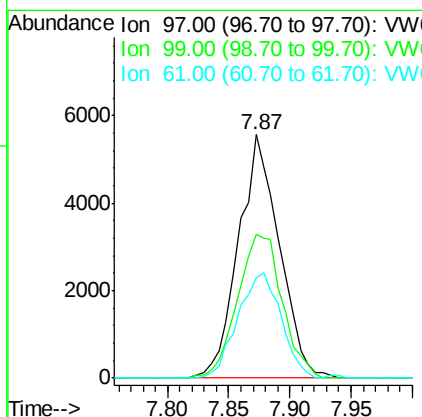
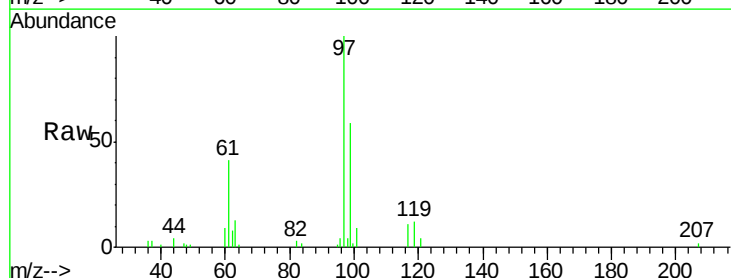
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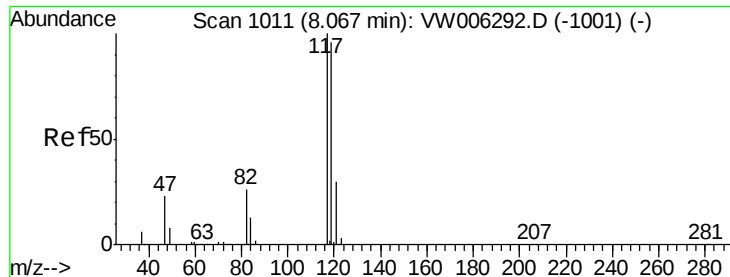
MMDadoda
10/24/2018 2:07:51 PM



#31
1,1,1-Trichloroethane
Concen: 2.139 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	45.7	33.6	50.4





#32

Carbon tetrachloride

Concen: 2.055 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion:117 Resp: 12171

Ion Ratio Lower Upper

117 100

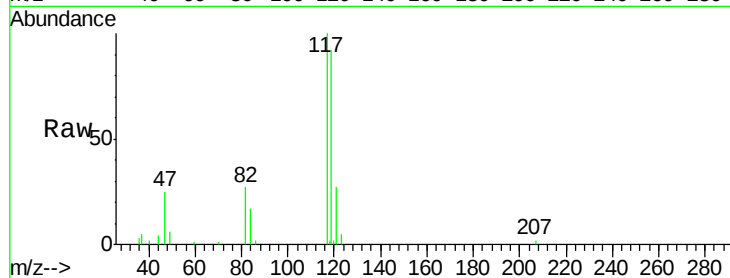
119 92.5 76.9 115.3

Manual Integrations

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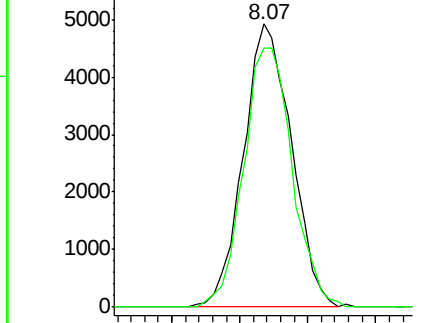
MMDadoda

10/24/2018 2:07:51 PM

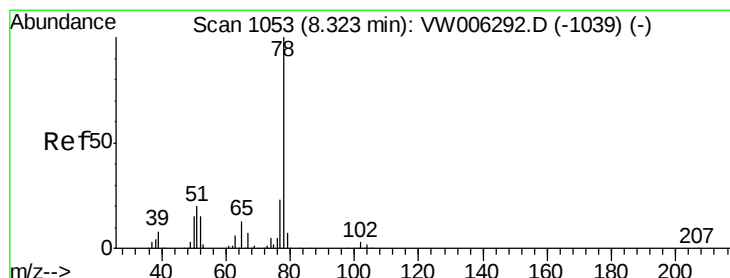
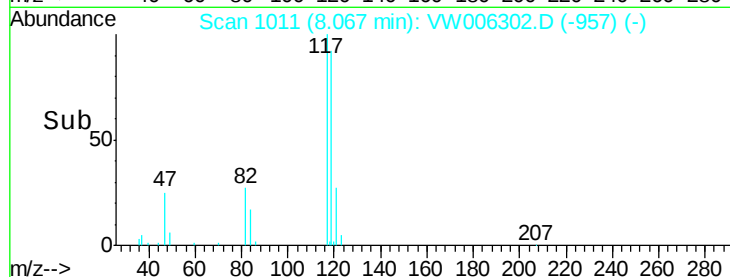


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 2.220 ug/L m

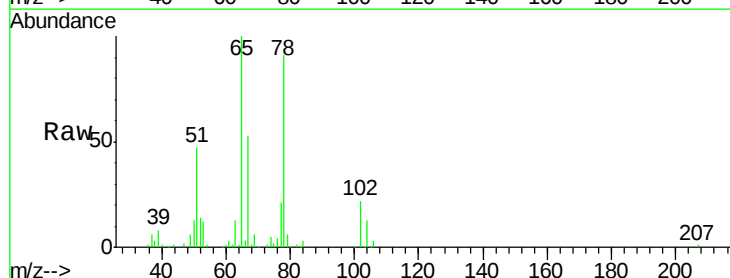
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

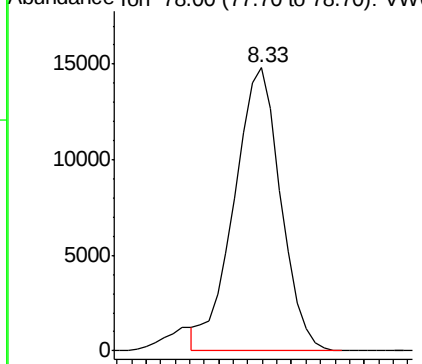
Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

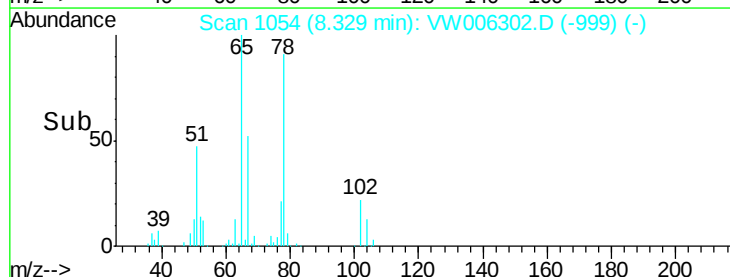
Tgt Ion: 78 Resp: 32896

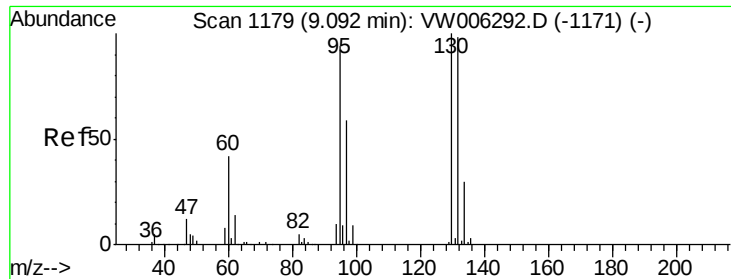


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





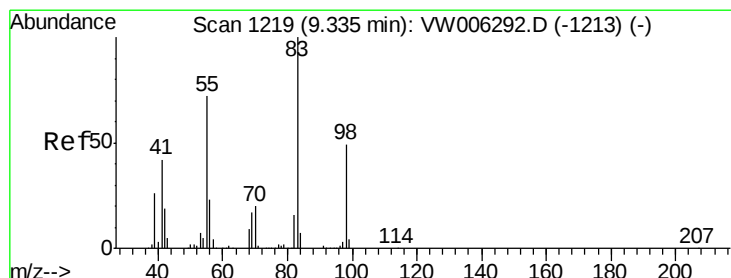
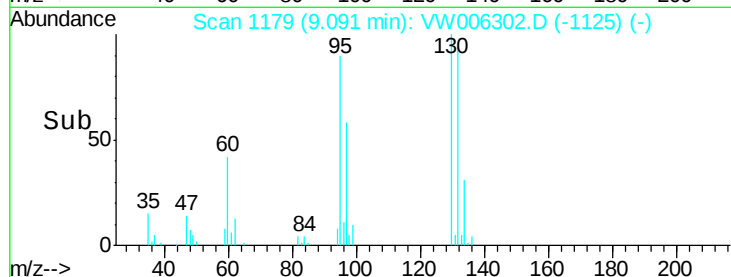
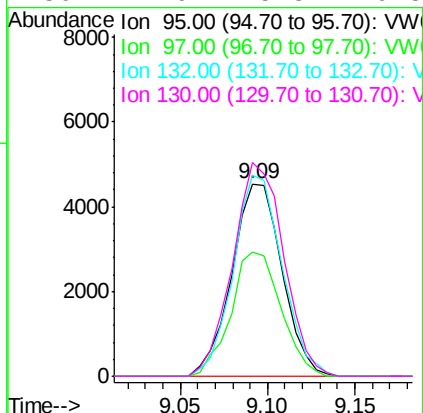
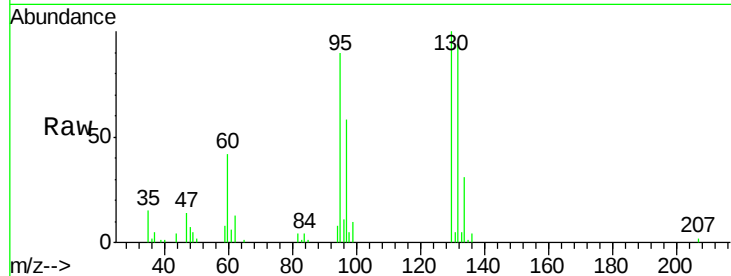
#35
 Trichloroethene
 Concen: 2.170 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.8	85.0
132	102.2	72.9	135.3
130	112.9	75.8	140.8

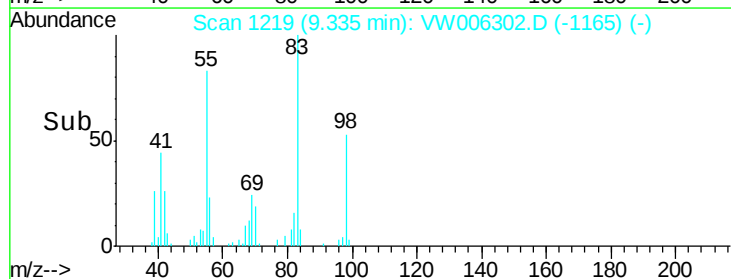
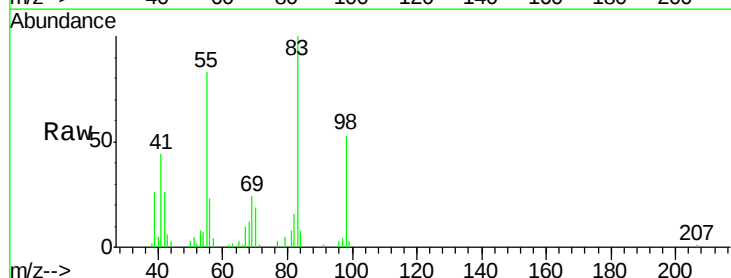
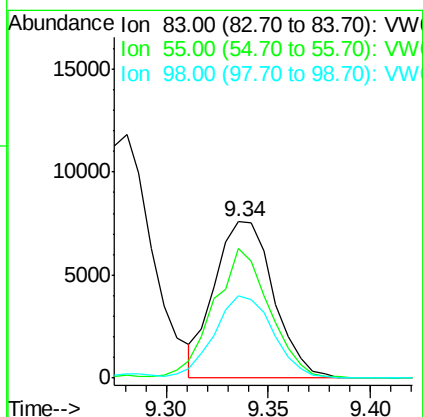
Manual Integrations
 APPROVED

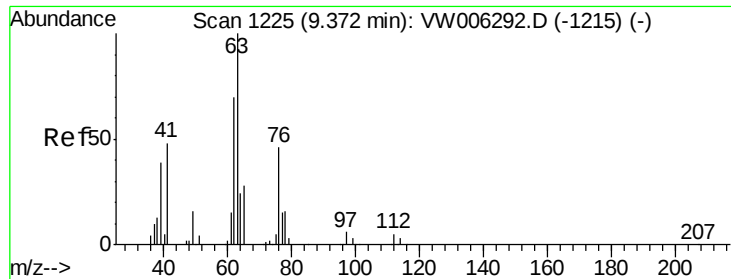
MMDadoda
 10/24/2018 2:07:51 PM



#36
 Methylcyclohexane
 Concen: 2.000 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.4	57.1	85.7
98	52.7	38.9	58.3





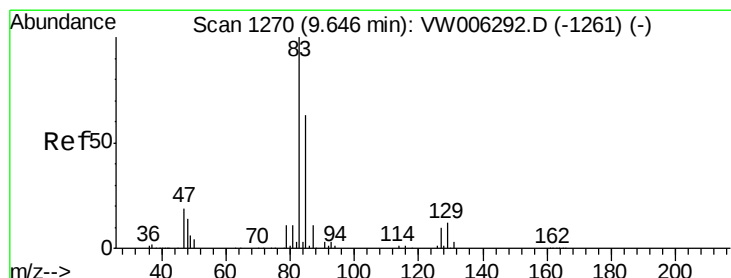
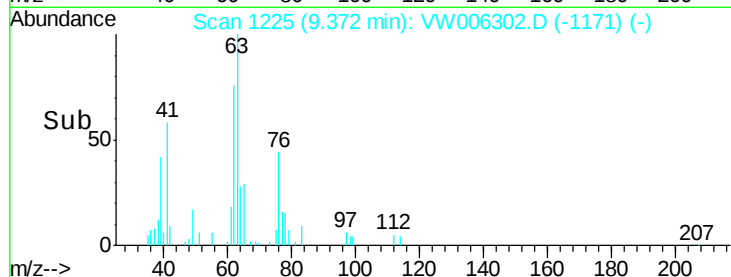
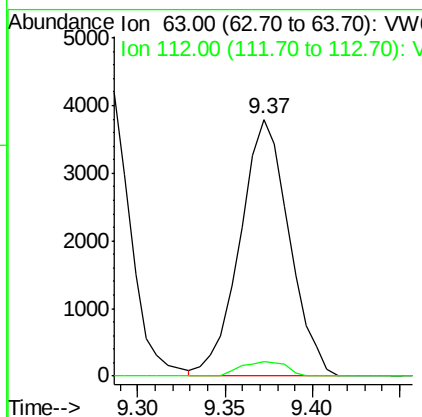
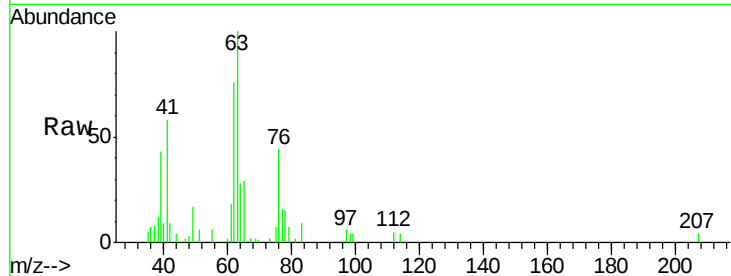
#40
 1,2-Dichloropropane
 Concen: 2.021 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 63 Resp: 7429
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.5 5.3

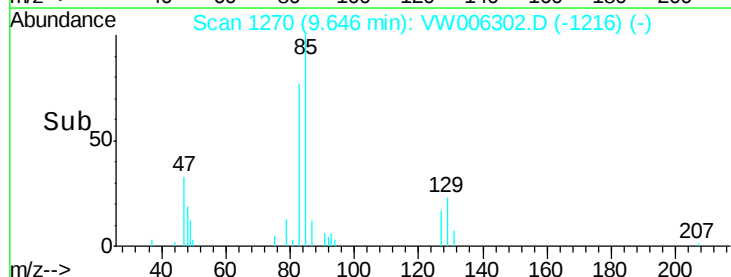
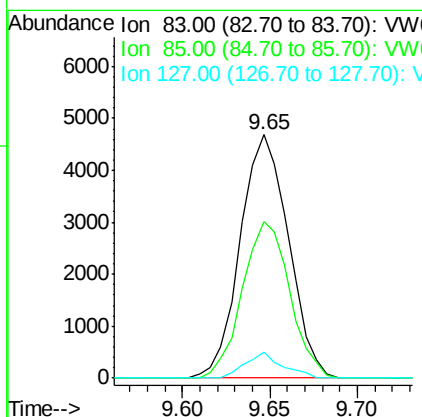
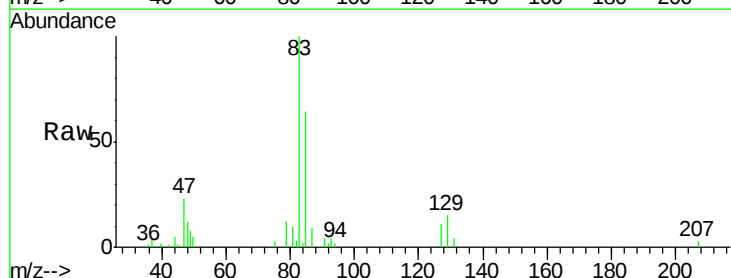
Manual Integrations
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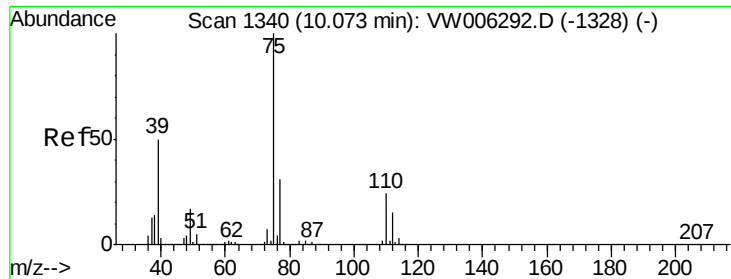
MMDadoda
 10/24/2018 2:07:51 PM



#41
 Bromodichloromethane
 Concen: 1.808 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion: 83 Resp: 8976
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.5 84.5
 127 10.8 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 1.669 ug/L m

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 75 Resp: 10018

Ion Ratio Lower Upper

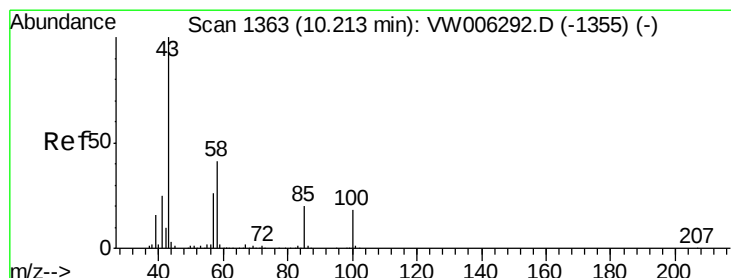
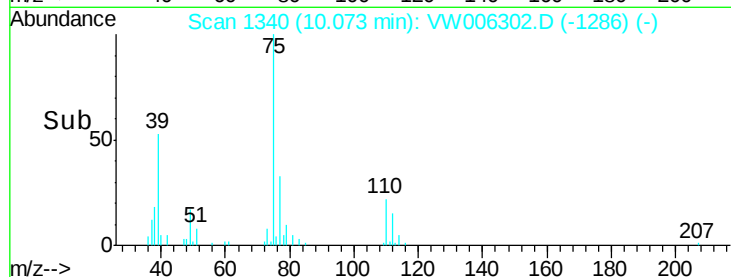
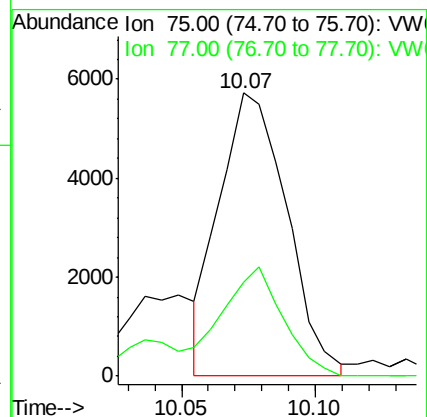
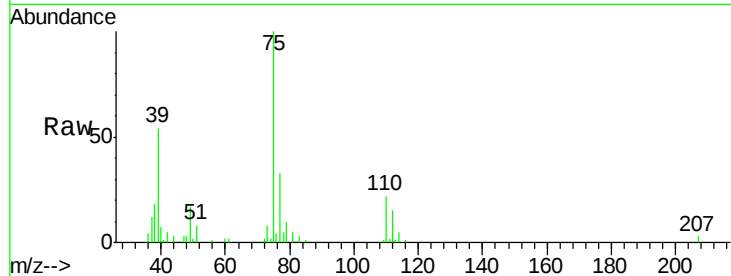
75 100

77 33.2 22.6 42.0

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#43

4-Methyl-2-pentanone

Concen: 4.209 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

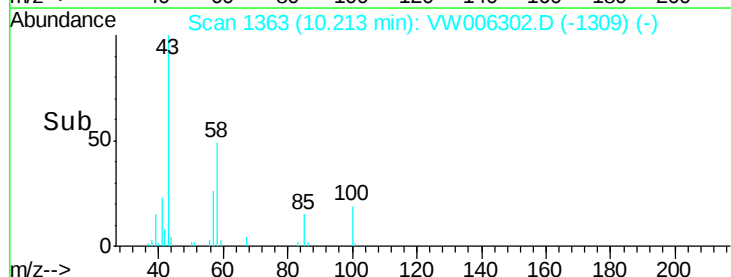
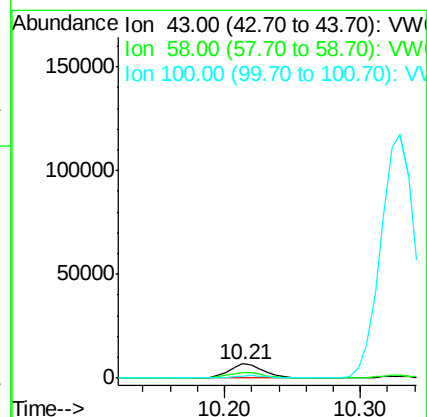
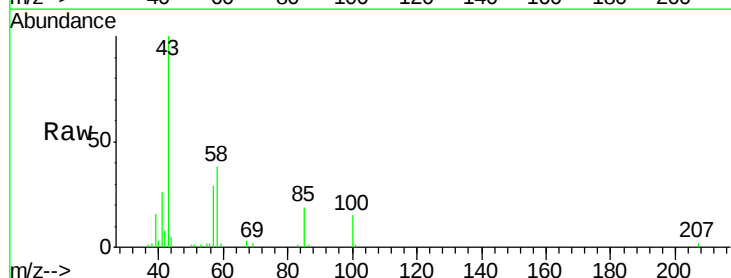
Tgt Ion: 43 Resp: 12397

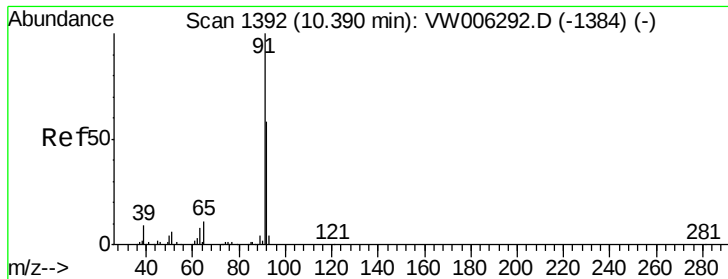
Ion Ratio Lower Upper

43 100

58 38.4 31.4 47.2

100 16.2 13.3 19.9





#44

Toluene

Concen: 2.215 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 91 Resp: 36844

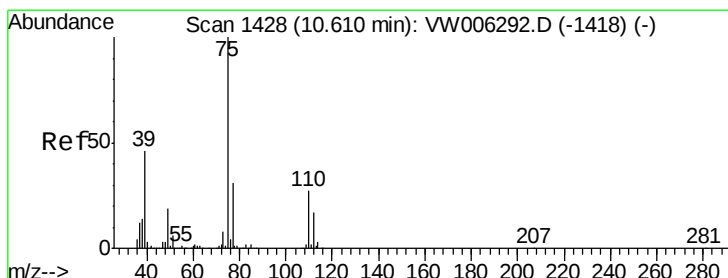
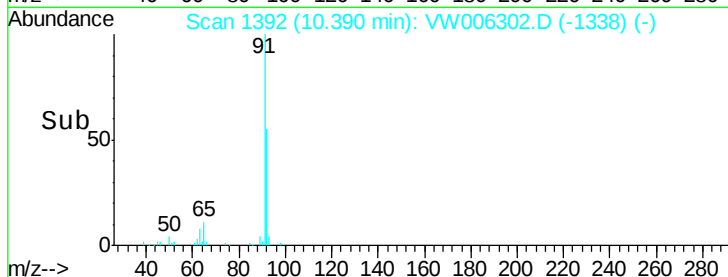
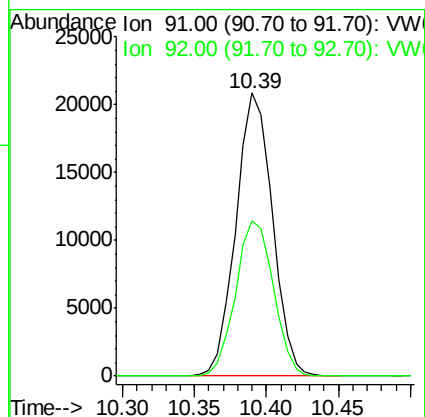
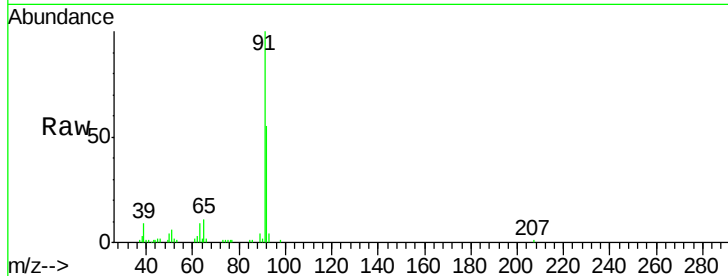
Ion Ratio Lower Upper

91 100

92 54.8 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 1.998 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006302.D

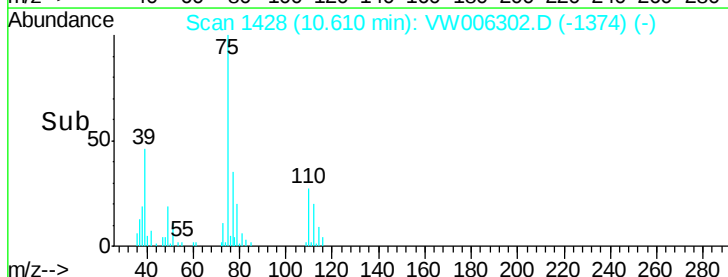
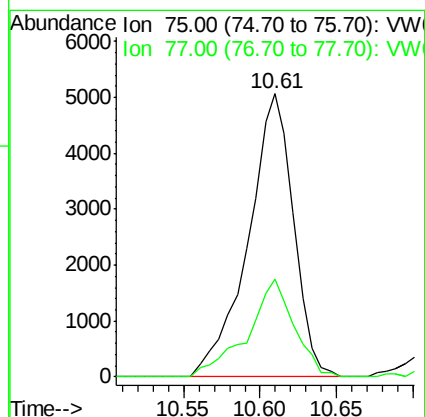
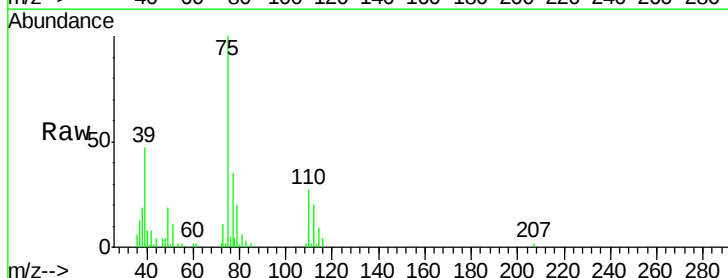
Acq: 23 Oct 2018 18:33

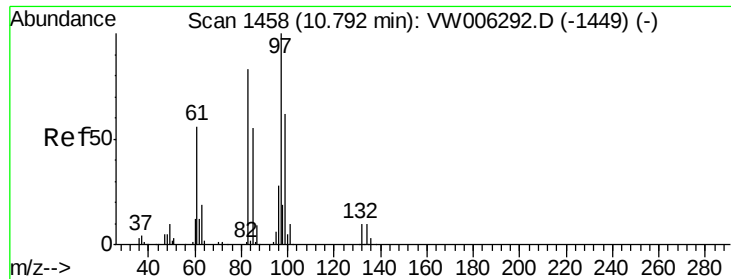
Tgt Ion: 75 Resp: 10476

Ion Ratio Lower Upper

75 100

77 34.6 22.4 41.6





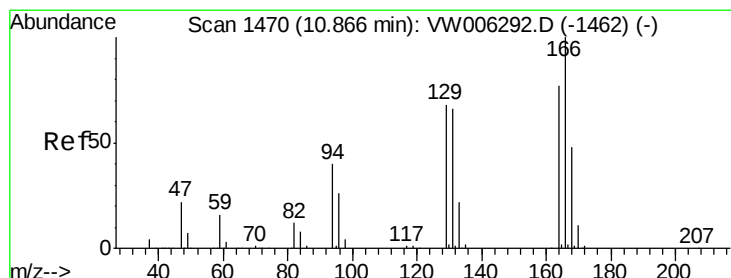
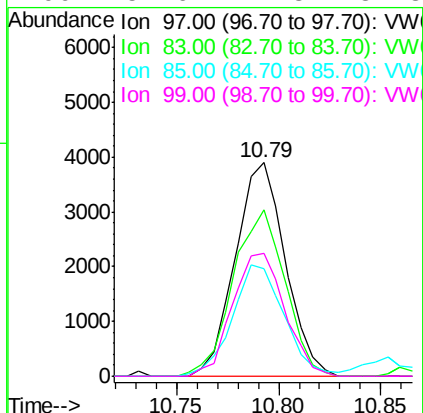
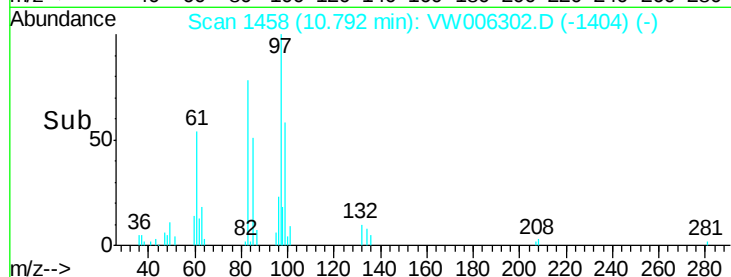
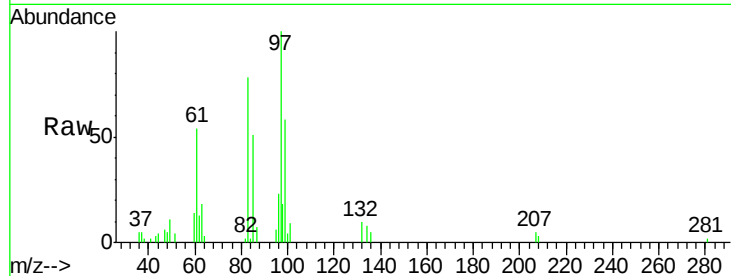
#46
 1,1,2-Trichloroethane
 Concen: 2.175 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.2	60.0	111.4
85	50.6	38.7	71.9
99	57.6	44.3	82.3

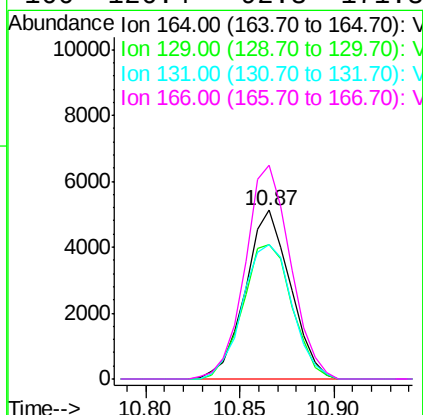
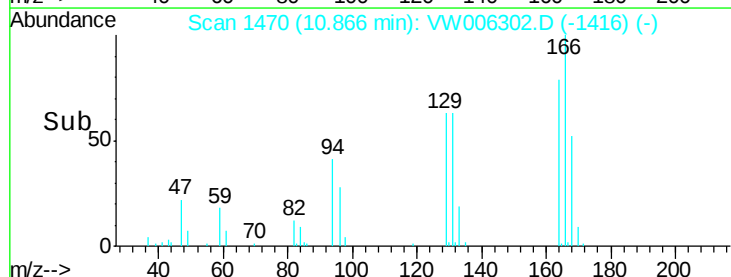
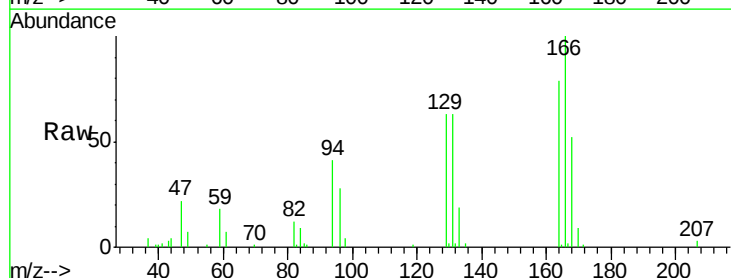
Manual Integrations
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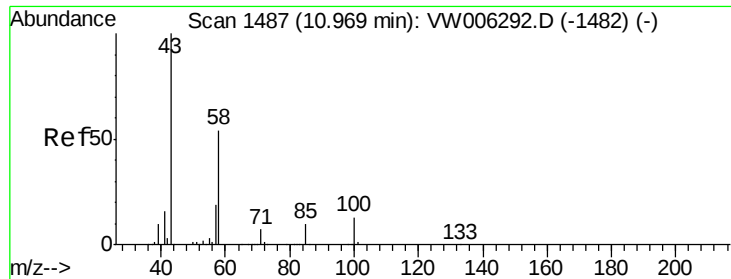
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#47
 Tetrachloroethene
 Concen: 2.203 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
129	79.6	65.4	121.4
131	79.6	63.8	118.4
166	126.4	92.3	171.3





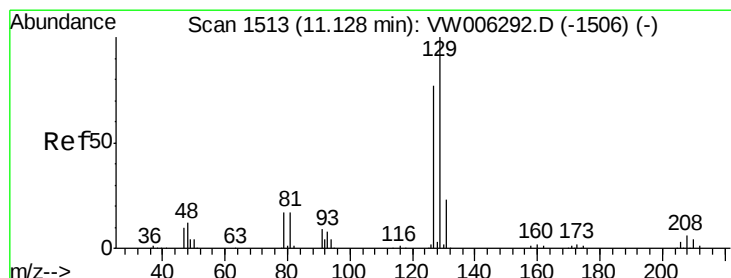
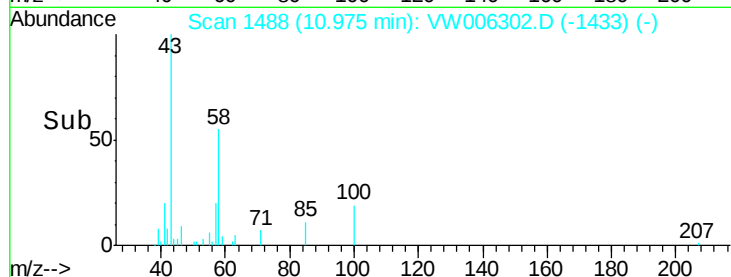
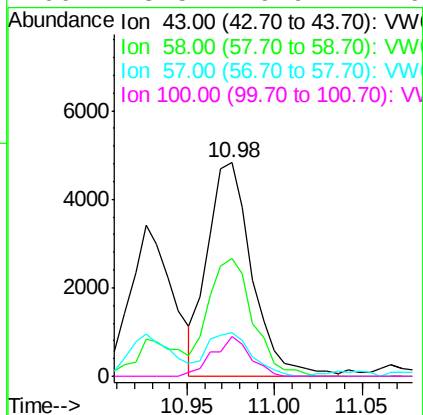
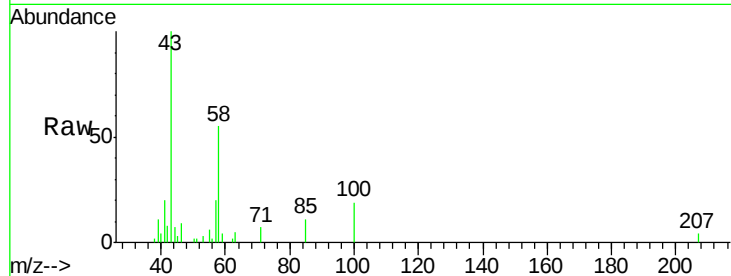
#49
2-Hexanone
Concen: 3.934 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.2	42.1	63.1
57	20.7	15.1	22.7
100	15.5	9.9	14.9

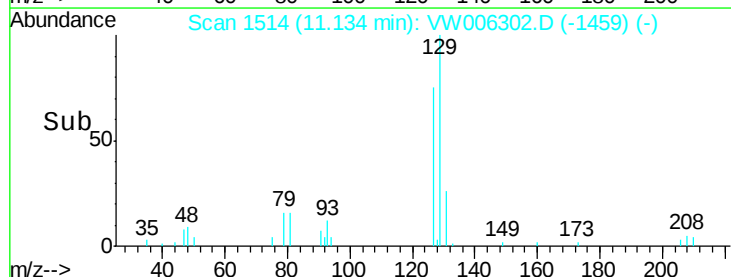
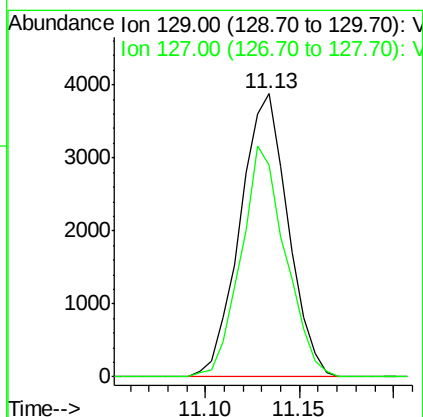
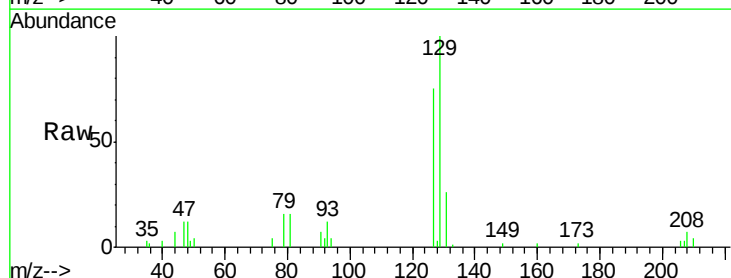
Manual Integrations
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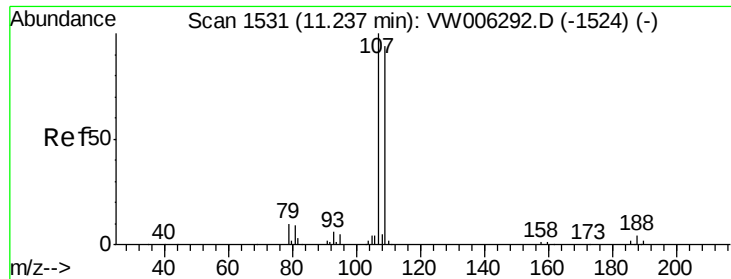
MMDadoda
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#50
Dibromochloromethane
Concen: 1.745 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	54.4	101.0





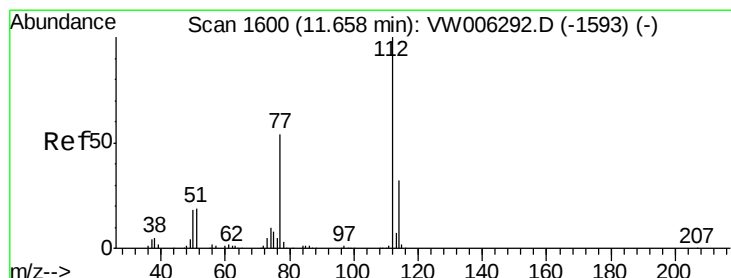
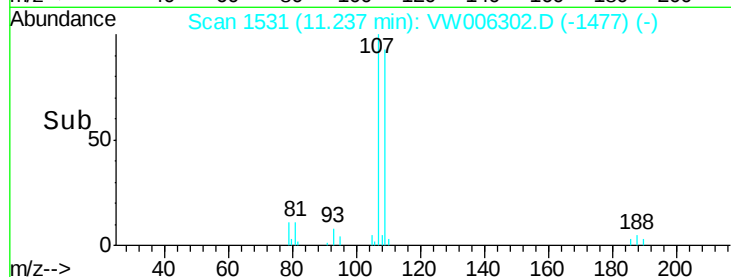
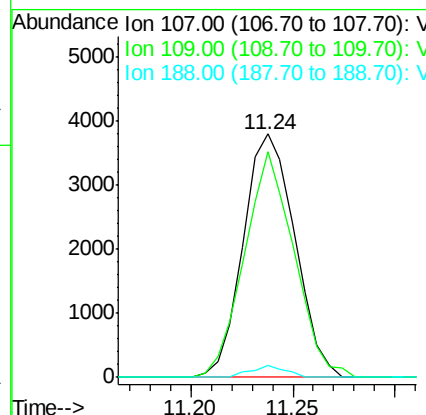
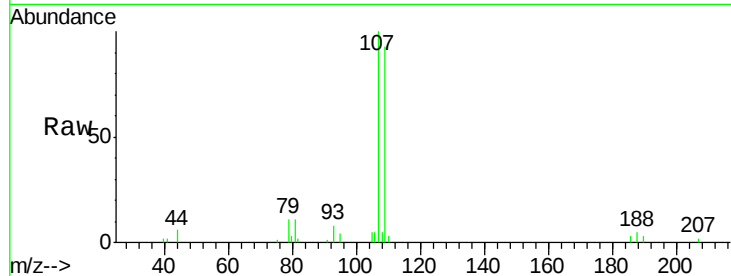
#51
1,2-Dibromoethane
Concen: 2.089 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	66.6	123.8
188	4.7	3.4	5.0

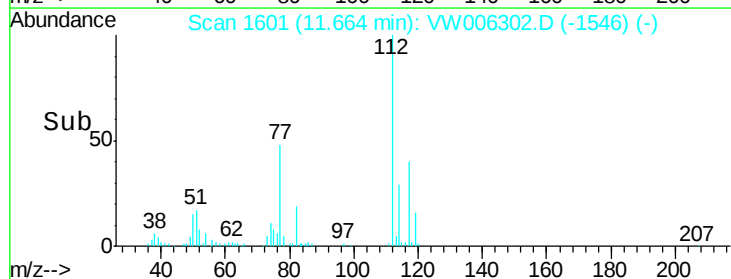
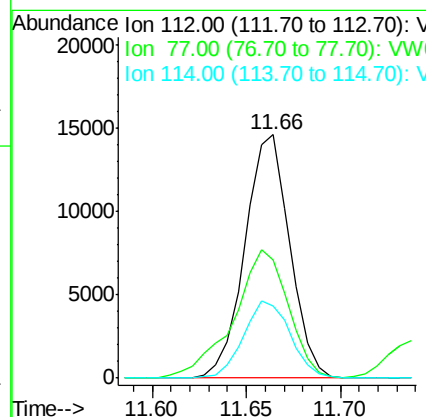
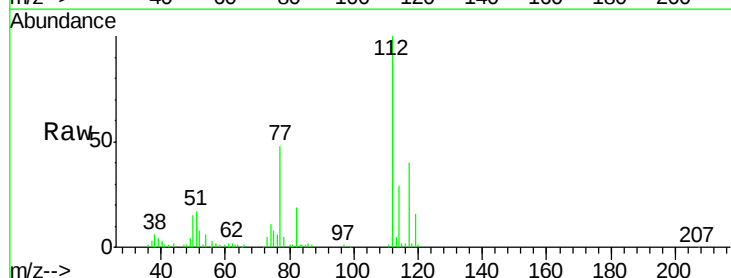
Manual Integrations
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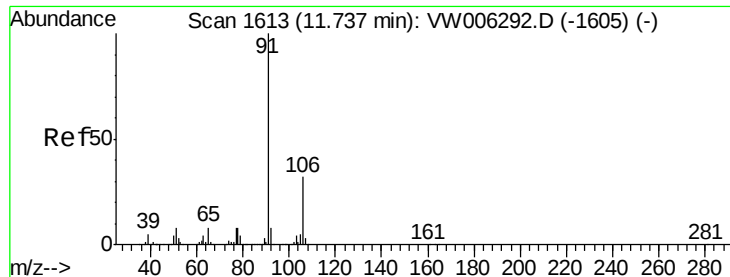
MMDadoda
10/24/2018 2:07:51 PM



#52
Chlorobenzene
Concen: 2.135 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
77	48.5	44.2	66.2
114	29.5	22.1	41.1





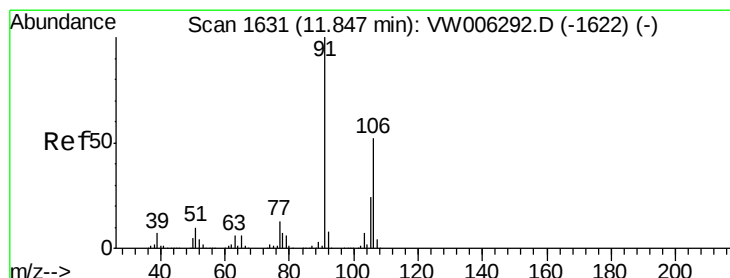
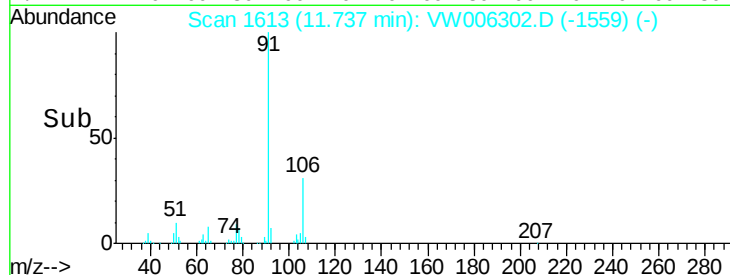
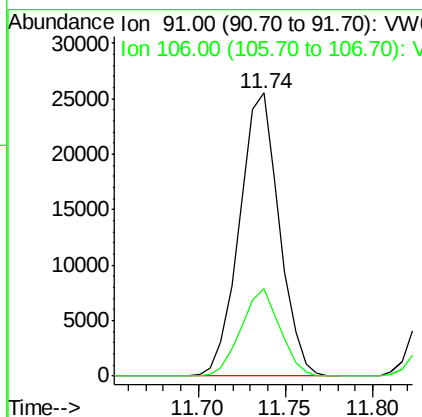
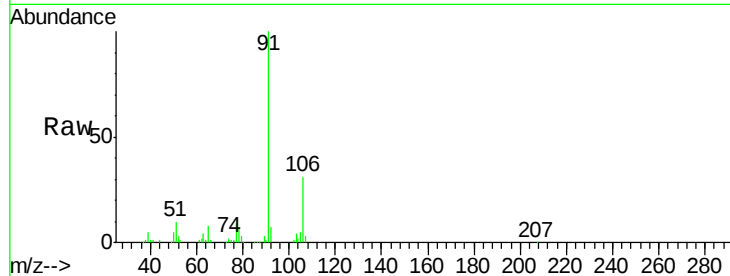
#53
Ethylbenzene
Concen: 2.084 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 91 Resp: 40365
Ion Ratio Lower Upper
91 100
106 30.8 22.6 42.0

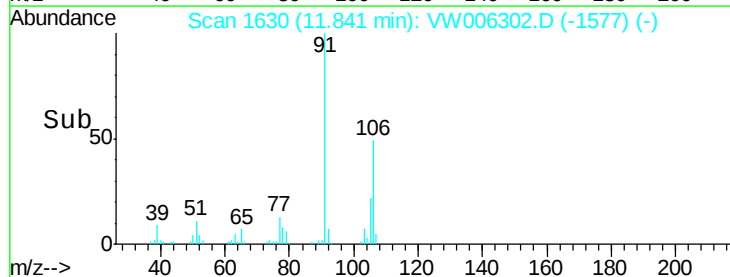
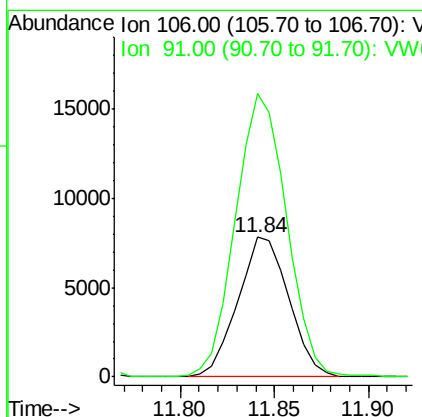
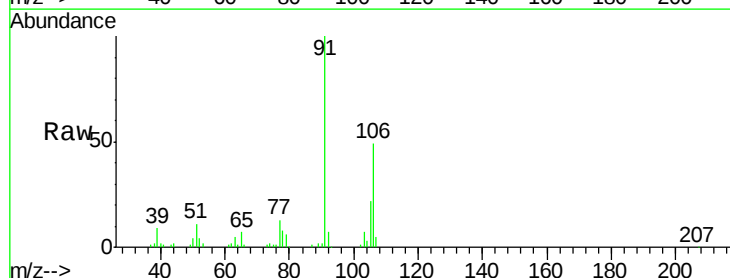
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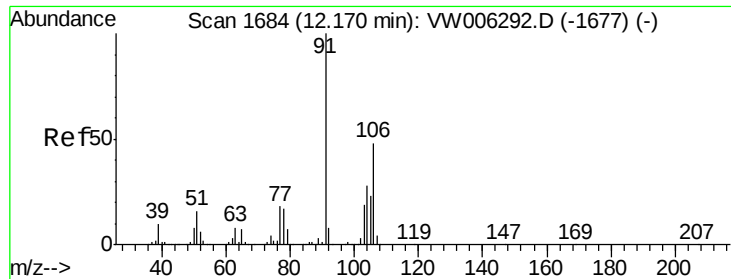
MMDadoda
10/24/2018 2:07:51 PM



#54
m,p-Xylene
Concen: 1.934 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion: 106 Resp: 14683
Ion Ratio Lower Upper
106 100
91 202.3 138.4 257.0





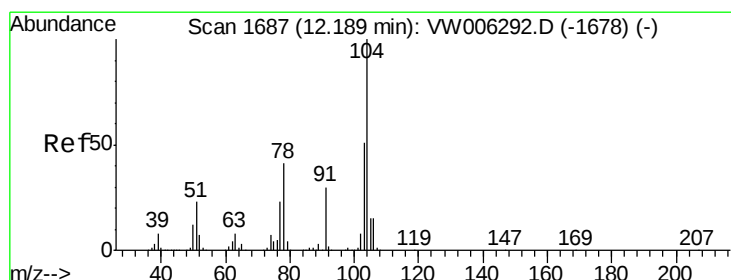
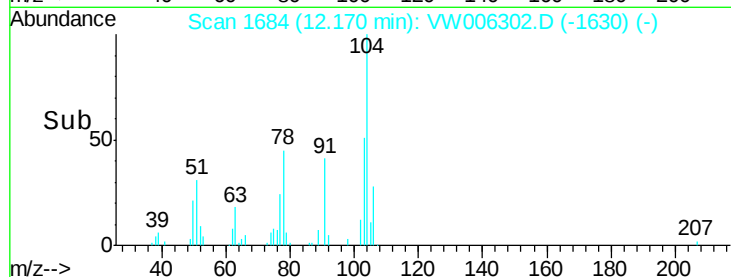
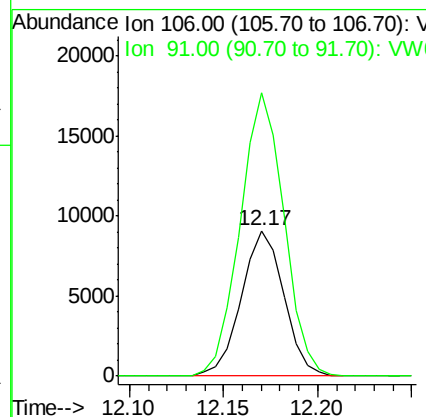
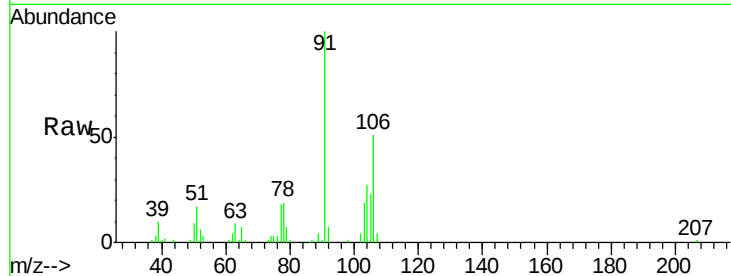
#55
o-xylene
Concen: 1.972 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:106 Resp: 14294
Ion Ratio Lower Upper
106 100
91 194.6 148.7 276.1

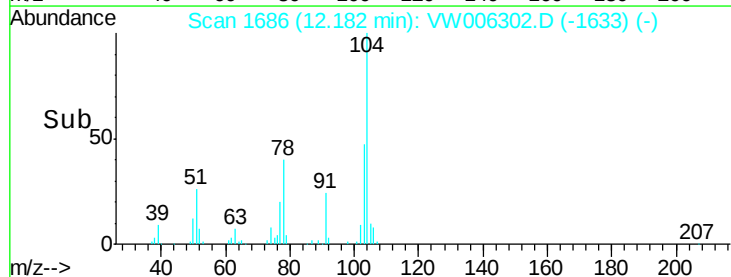
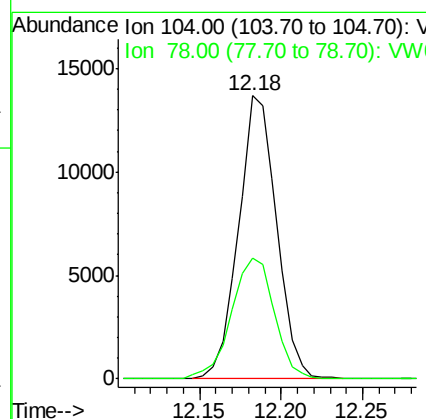
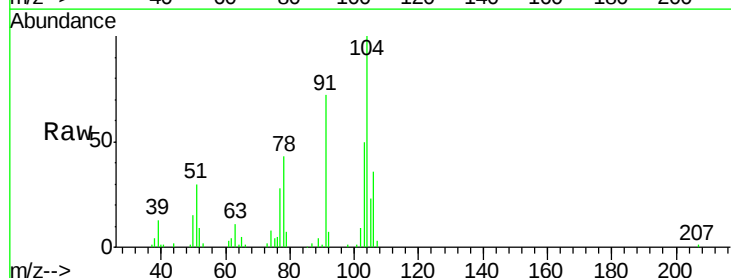
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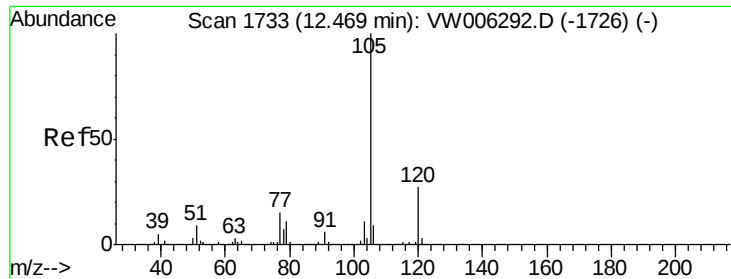
MMDadoda
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#56
Styrene
Concen: 1.781 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion:104 Resp: 22237
Ion Ratio Lower Upper
104 100
78 42.6 31.2 58.0





#57

Isopropylbenzene

Concen: 1.915 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006302.D

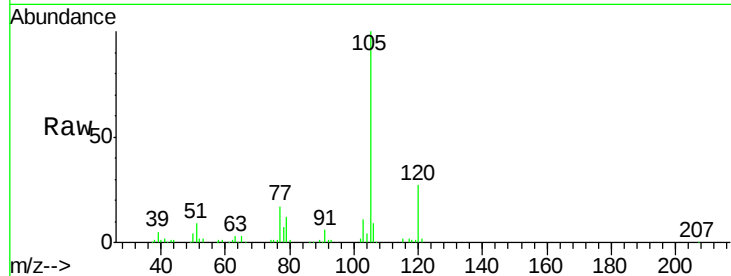
Acq: 23 Oct 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB



Tgt Ion: 105 Resp: 38632

Ion Ratio Lower Upper

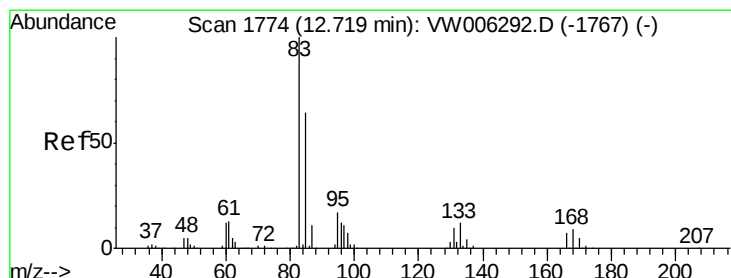
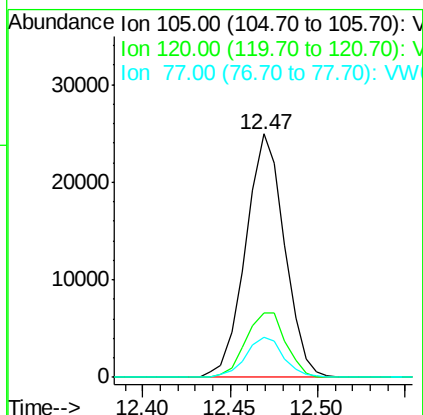
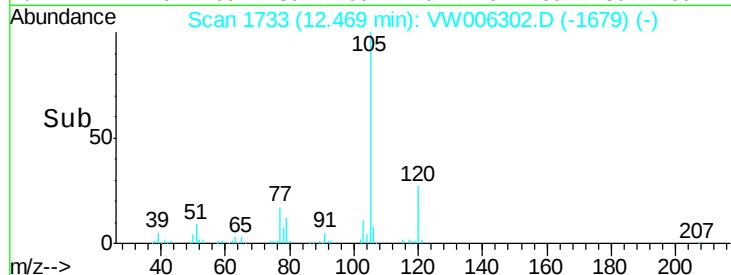
105 100

120 27.6 21.8 32.6

77 16.2 12.2 18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.316 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006302.D

Acq: 23 Oct 2018 18:33

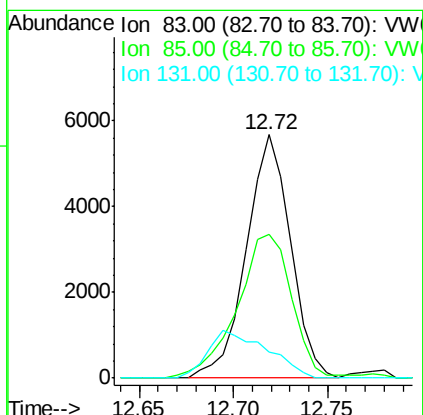
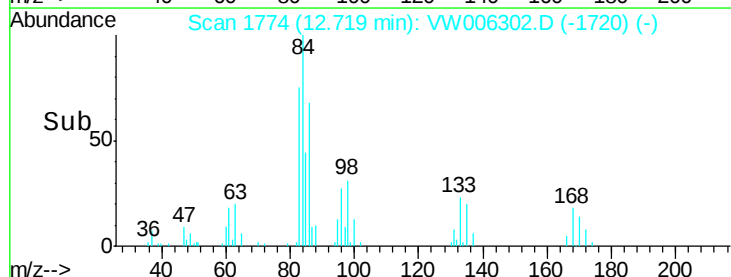
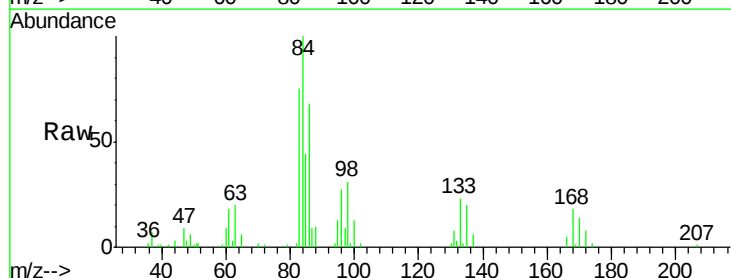
Tgt Ion: 83 Resp: 9213

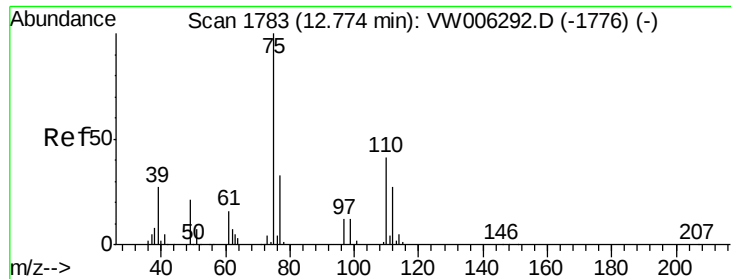
Ion Ratio Lower Upper

83 100

85 59.1 44.8 83.2

131 10.8 9.0 13.4





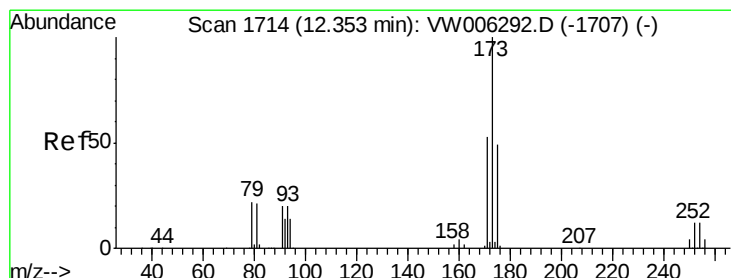
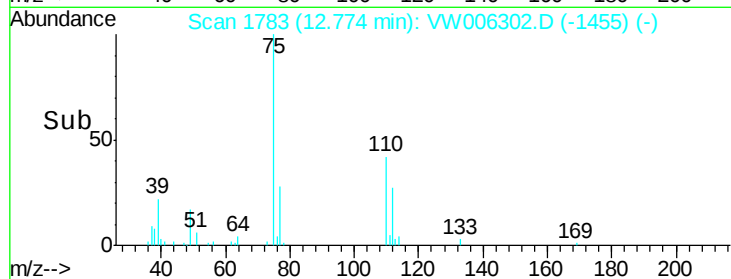
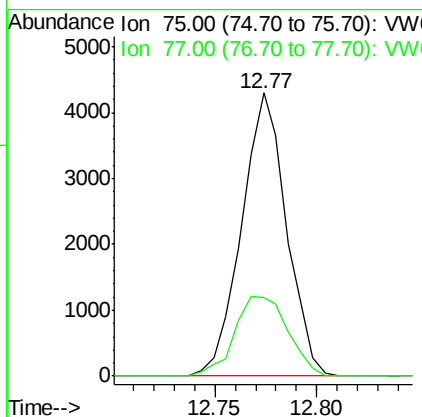
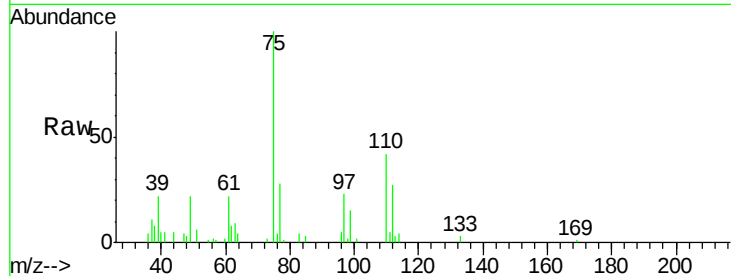
#59
 1,2,3-Trichloropropane
 Concen: 2.214 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 75 Resp: 6571
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.9 38.9

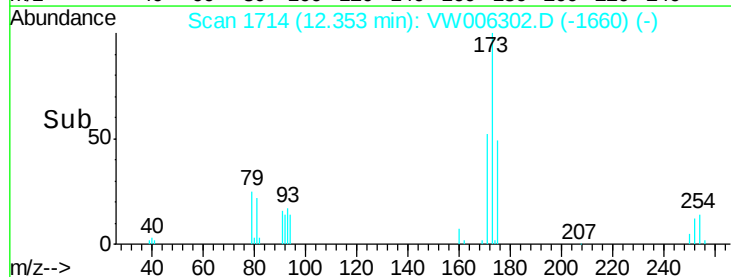
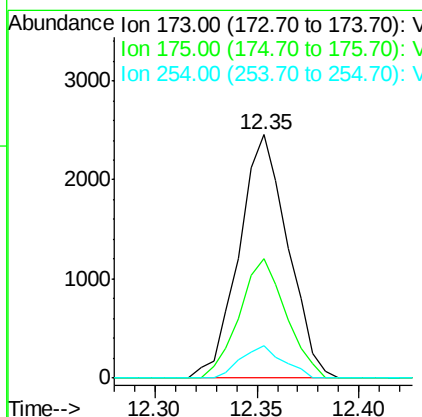
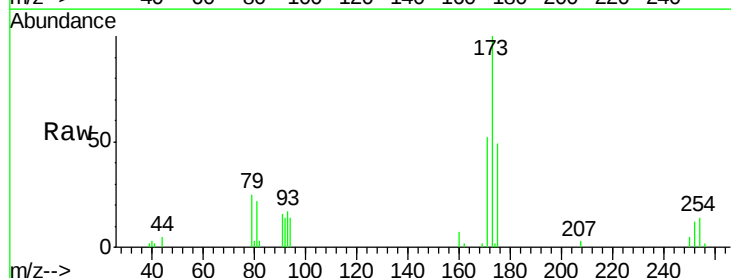
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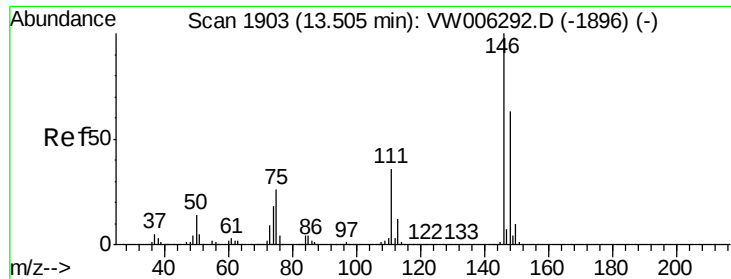
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#62
 Bromoform
 Concen: 1.647 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion: 173 Resp: 4089
 Ion Ratio Lower Upper
 173 100
 175 46.9 39.1 58.7
 254 11.5 9.2 13.8





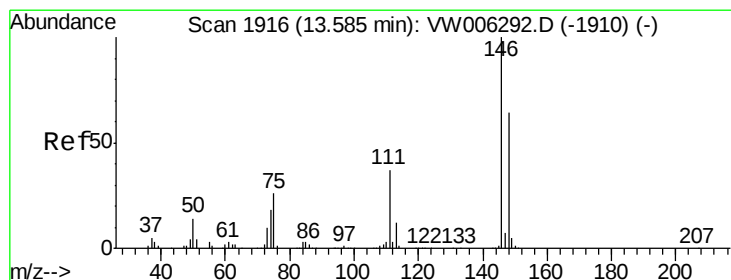
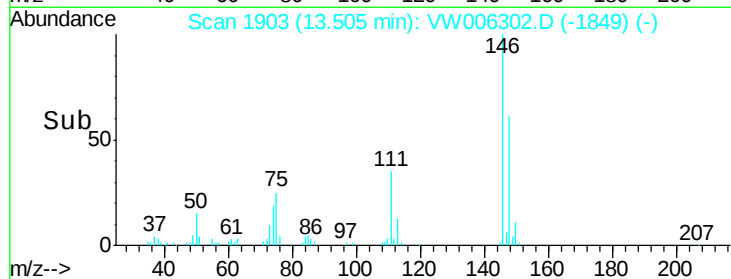
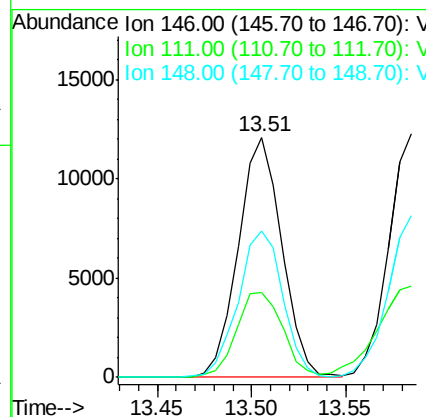
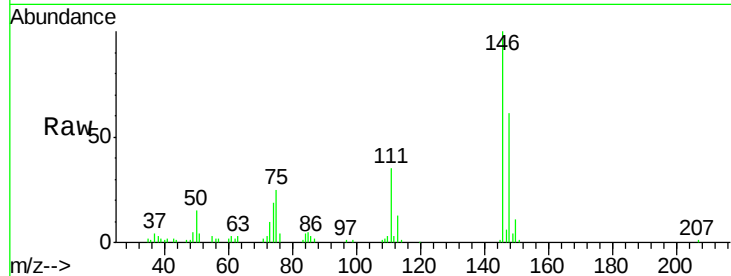
#63
 1,3-Dichlorobenzene
 Concen: 2.126 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	26.3	48.9
148	61.3	44.7	82.9

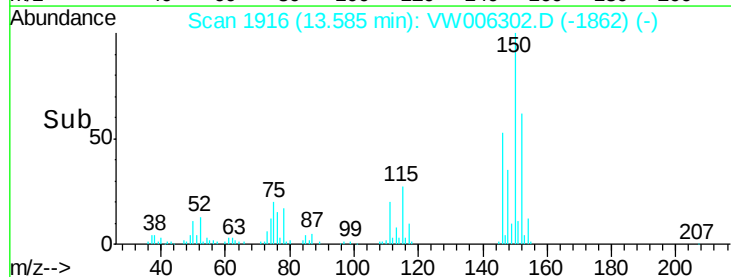
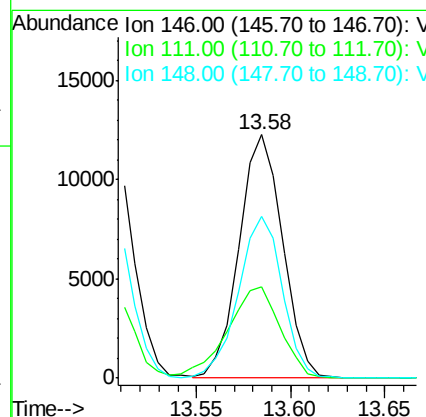
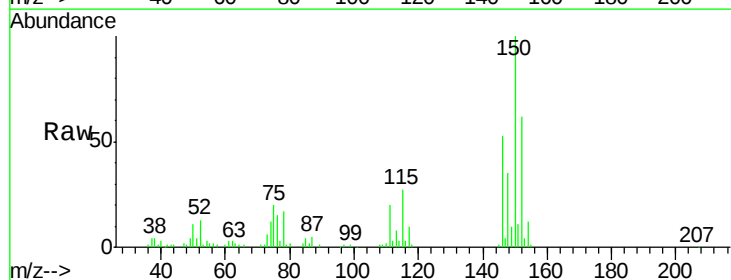
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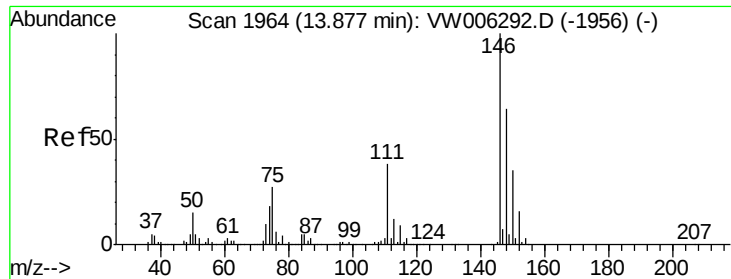
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#64
 1,4-Dichlorobenzene
 Concen: 2.147 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.7	45.9
148	66.4	44.9	83.5





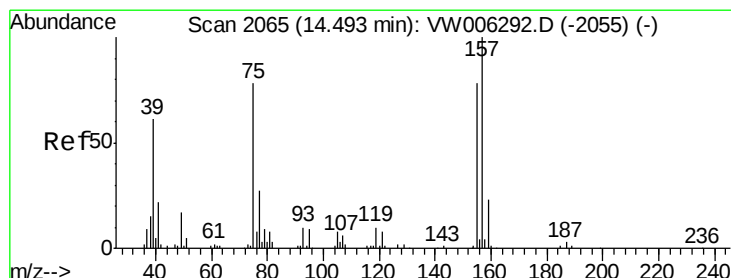
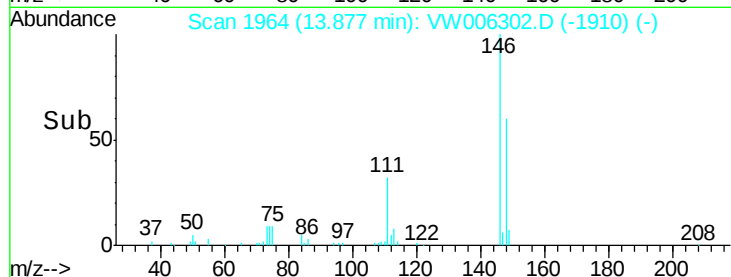
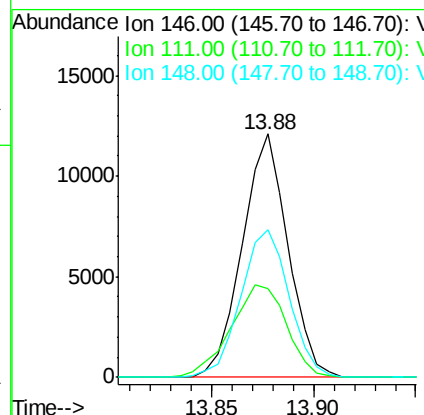
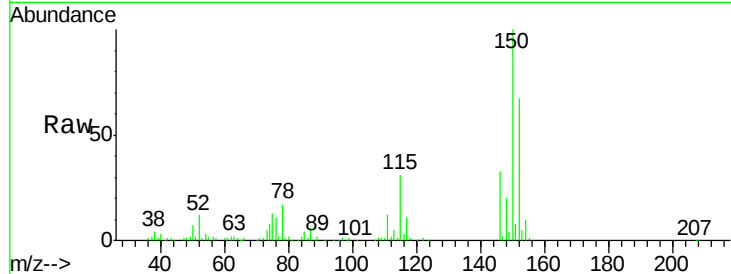
#65
 1,2-Dichlorobenzene
 Concen: 2.244 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	31.1	46.7
148	60.5	51.2	76.8

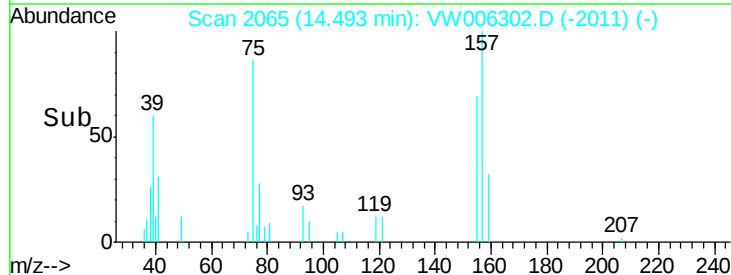
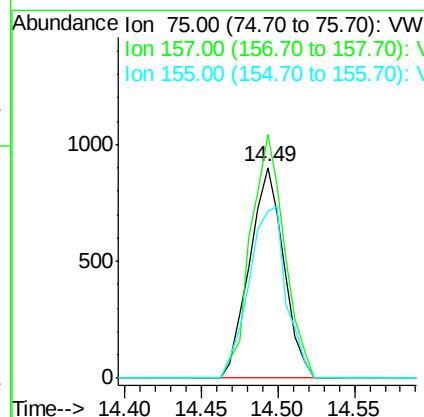
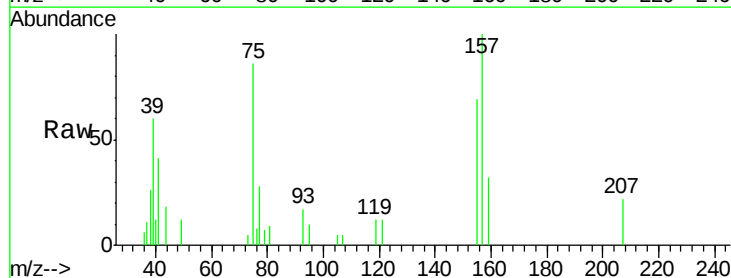
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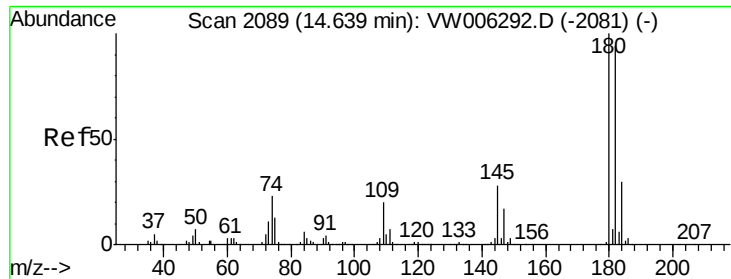
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.081 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
157	115.6	106.8	160.2
155	79.5	79.2	118.8





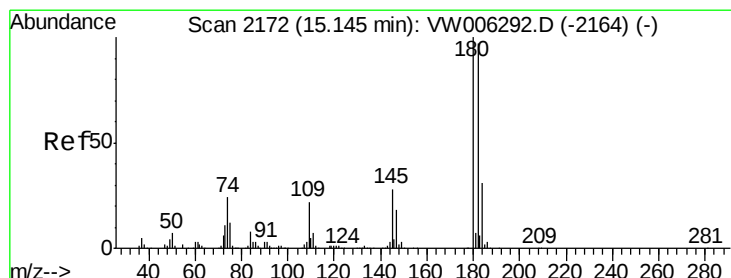
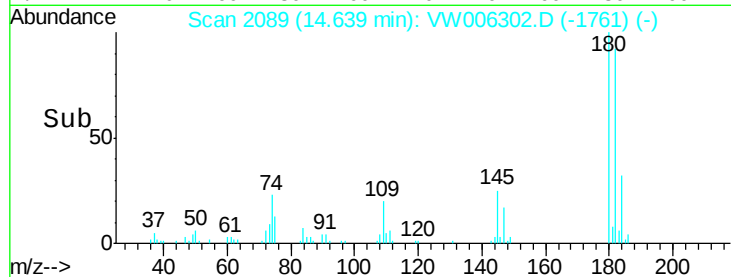
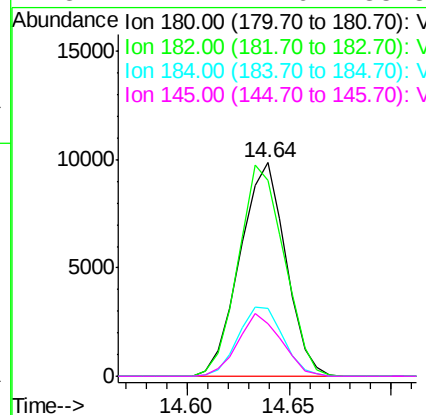
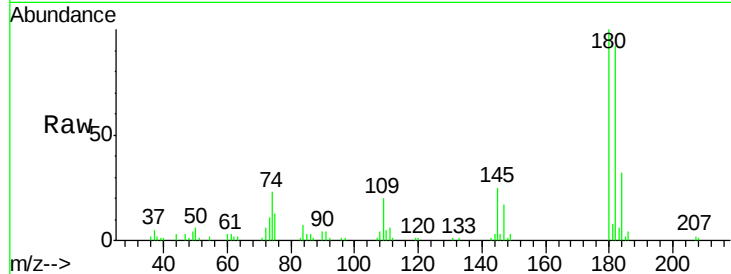
#67
 1,3,5-Trichlorobenzene
 Concen: 2.099 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15395		
182	99.0	76.0	114.0	
184	31.8	24.3	36.5	
145	27.7	22.6	33.8	

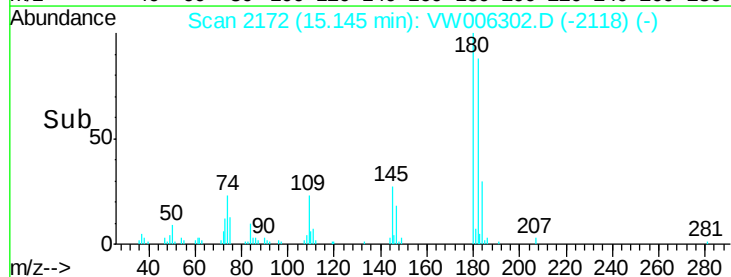
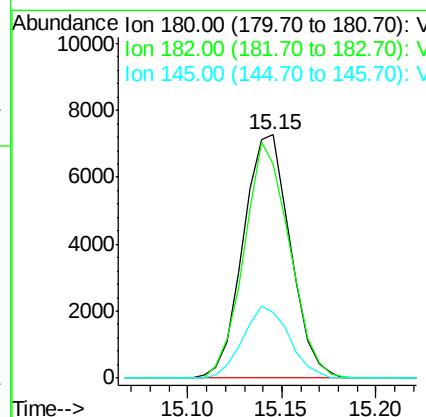
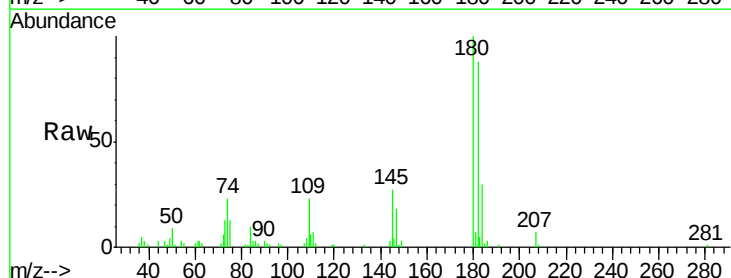
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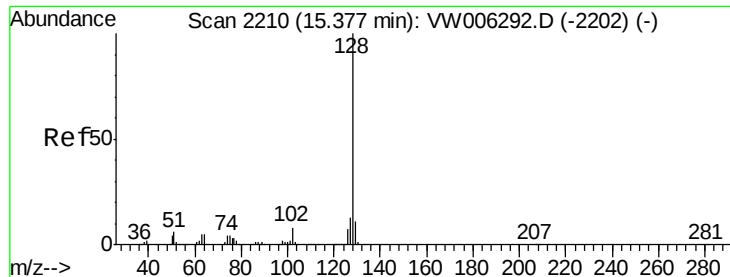
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#68
 1,2,4-trichlorobenzene
 Concen: 2.012 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW006302.D
 Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12581		
182	93.8	76.2	114.2	
145	29.0	23.0	34.6	





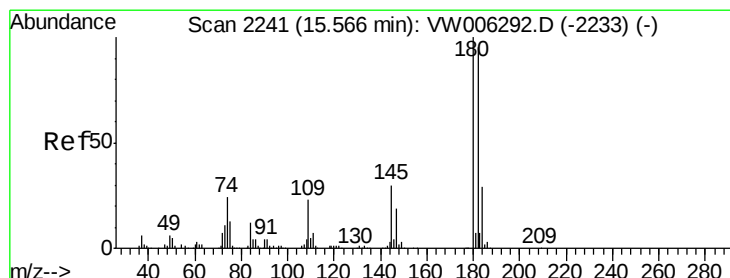
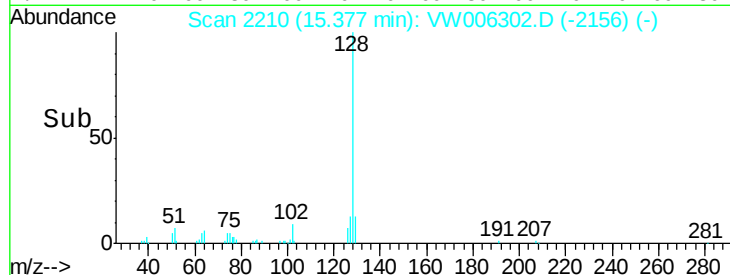
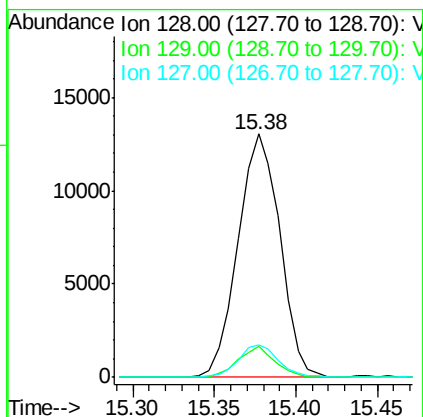
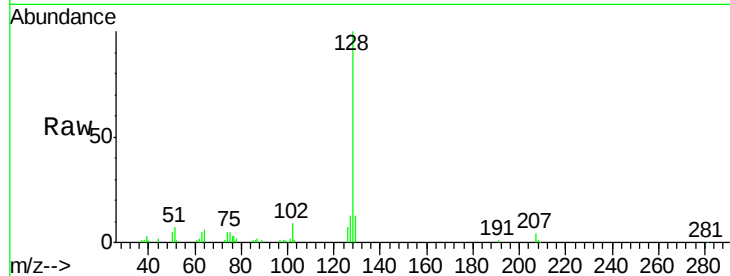
#69
Naphthalene
Concen: 1.844 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	23340		
129	10.9	8.9	13.3	
127	12.7	10.5	15.7	

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 2.022 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006302.D
Acq: 23 Oct 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	11358		
182	98.4	75.5	113.3	
145	30.8	24.5	36.7	

