

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006305.D
 Acq On : 23 Oct 2018 19:50
 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 2:08:02 PM

Quant Time: Oct 24 05:43:36 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	312995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290645	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	150184	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	77848	22.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.20%
7) Chloroethane-d5	2.90	69	76621	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.88%
10) 1,1-Dichloroethene-d2	4.01	63	126829	18.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.84%
20) 2-Butanone-d5	7.09	46	65768	56.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.42%
24) Chloroform-d	7.65	84	169592	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	8.31	65	97805	26.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.28%
29) Benzene-d6	8.28	84	344169	26.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.32%
33) 1,2-Dichloropropane-d6	9.28	67	98000	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.44%
37) Toluene-d8	10.33	98	339594	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.92%
38) trans-1,3-Dichloropropene-	10.59	79	40045	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.76%
39) 2-Hexanone-d5	10.93	63	53421	55.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104428	26.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	139350	27.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9410m	3.181 ug/L	
3) Chloromethane	2.21	50	7978	2.746 ug/L	95
5) Vinyl chloride	2.37	62	11097	2.370 ug/L #	81
6) Bromomethane	2.79	94	8454	2.319 ug/L	97
8) Chloroethane	2.93	64	7123	2.482 ug/L	98
9) Trichlorofluoromethane	3.26	101	9331	2.491 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11116m	2.968 ug/L	
12) 1,1-Dichloroethene	4.04	96	9687	2.696 ug/L #	1
13) Acetone	4.15	43	7165	6.062 ug/L	95
14) Carbon disulfide	4.37	76	22915	1.951 ug/L	98
15) Methyl Acetate	4.68	43	5304	2.770 ug/L #	74
16) Methylene chloride	4.91	84	15590	3.858 ug/L	89
17) Methyl tert-butyl Ether	5.43	73	13077	2.236 ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	8994	2.261 ug/L	98
19) 1,1-Dichloroethane	6.22	63	14023	2.178 ug/L	97
21) 2-Butanone	7.19	43	8080	5.144 ug/L	78
22) cis-1,2-Dichloroethene	7.17	96	9942	2.291 ug/L	96

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

23) Bromochloromethane	7.52	128	4588	2.248	ug/L	97
25) Chloroform	7.68	83	16362	2.361	ug/L	88
27) 1,2-Dichloroethane	8.40	62	11285	2.389	ug/L #	93
30) Cyclohexane	7.96	56	13708	2.146	ug/L	95
31) 1,1,1-Trichloroethane	7.88	97	13459	2.213	ug/L	98
32) Carbon tetrachloride	8.07	117	12658	2.122	ug/L	100
34) Benzene	8.33	78	35145m	2.355	ug/L	
35) Trichloroethene	9.10	95	9469	2.256	ug/L	97
36) Methylcyclohexane	9.34	83	17004	2.211	ug/L	97
40) 1,2-Dichloropropane	9.37	63	8260	2.232	ug/L	98
41) Bromodichloromethane	9.65	83	9449	1.891	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	11662	1.929	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	13474	4.543	ug/L	98
44) Toluene	10.39	91	38746	2.313	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	11935	2.260	ug/L	91
46) 1,1,2-Trichloroethane	10.79	97	7118	2.309	ug/L	96
47) Tetrachloroethene	10.87	164	9065	2.333	ug/L	99
49) 2-Hexanone	10.98	43	9539	4.364	ug/L #	95
50) Dibromochloromethane	11.13	129	7271	1.840	ug/L	91
51) 1,2-Dibromoethane	11.24	107	7094	2.211	ug/L #	97
52) Chlorobenzene	11.66	112	25741	2.270	ug/L	98
53) Ethylbenzene	11.74	91	42790	2.194	ug/L	96
54) m,p-Xylene	11.85	106	16408	2.146	ug/L	98
55) o-xylene	12.17	106	14892	2.040	ug/L	97
56) Styrene	12.18	104	24164	1.922	ug/L	100
57) Isopropylbenzene	12.47	105	42628	2.099	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	10113	2.525	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	7456	2.495	ug/L	97
62) Bromoform	12.35	173	4539	1.804	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	20993	2.276	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	21705	2.337	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	20594	2.427	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1485	2.174	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	16929	2.277	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	13560	2.139	ug/L	99
69) Naphthalene	15.38	128	26774	2.086	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12403	2.178	ug/L	98

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

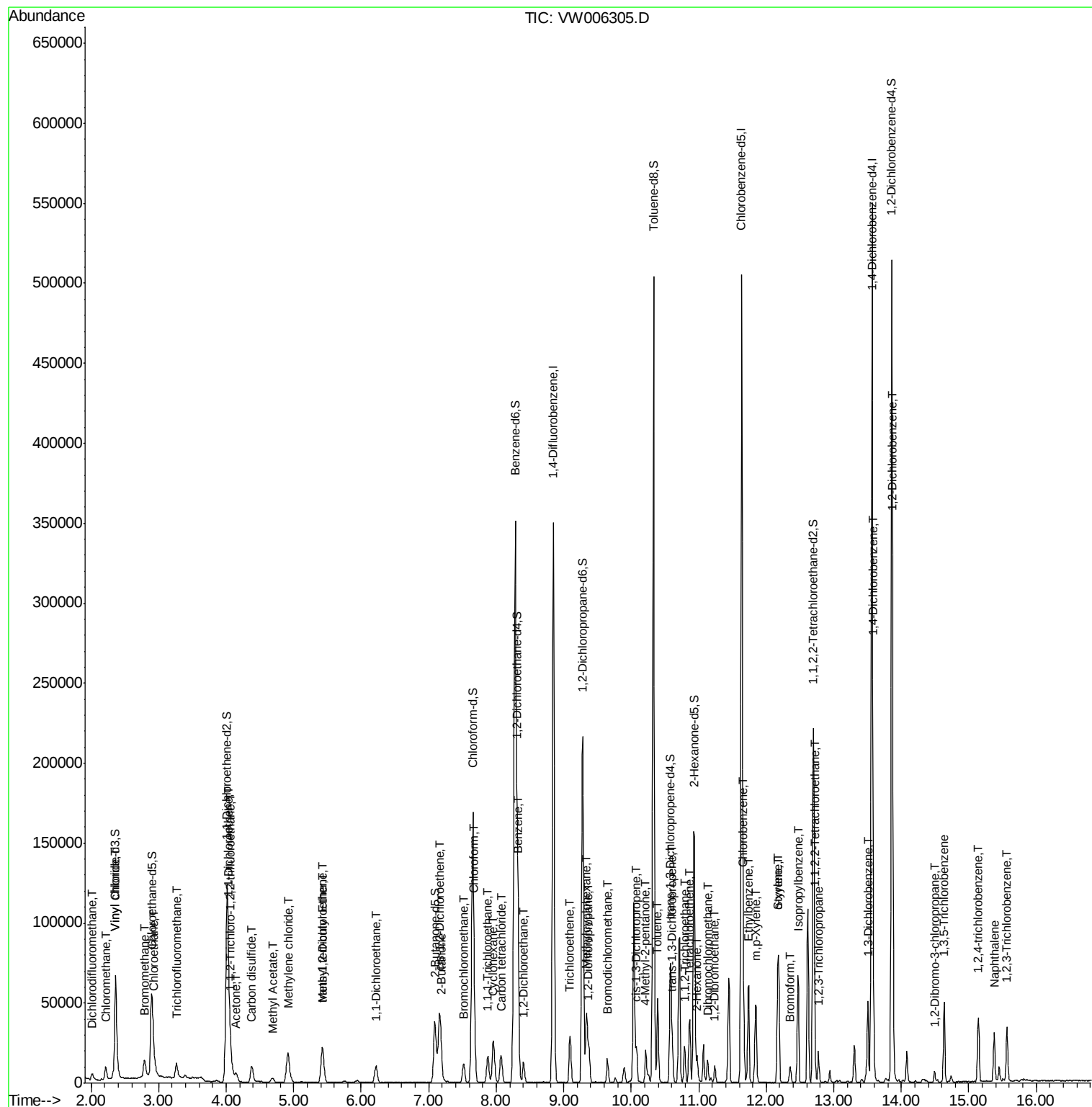
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
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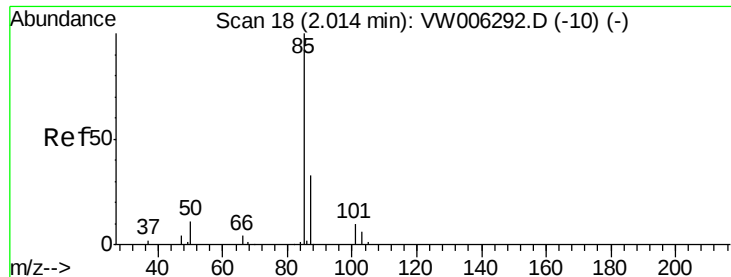
Instrument :
MSVOA_W
ClientSampleId :
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#2

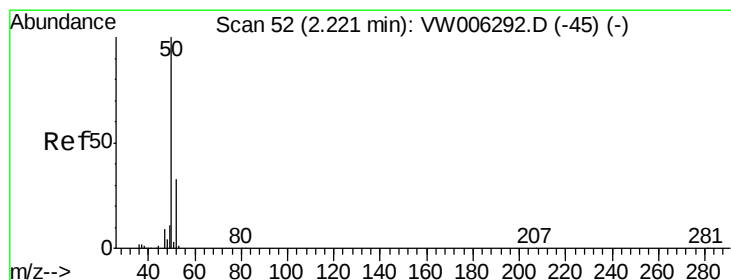
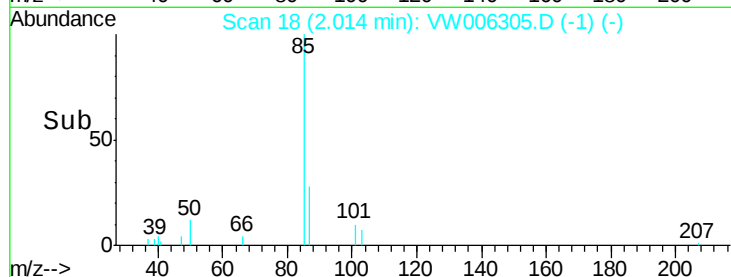
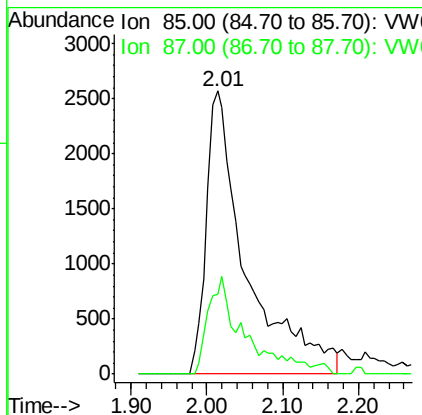
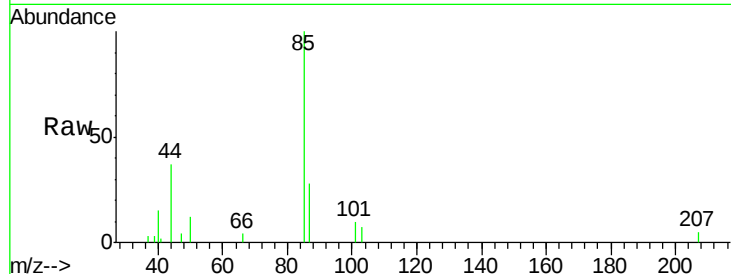
Dichlorodifluoromethane
Concen: 3.181 ug/L m
RT: 2.01 min Scan# 18
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
85	100		
87	18.7	19.2	35.6#

Manual Integrations
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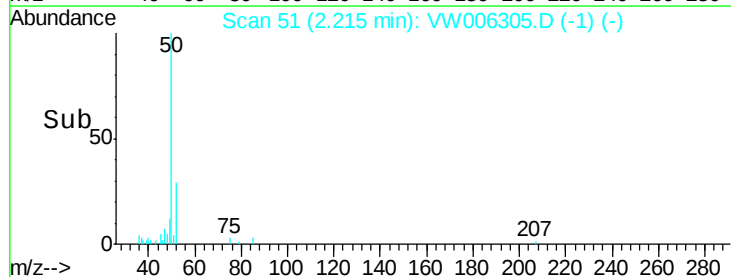
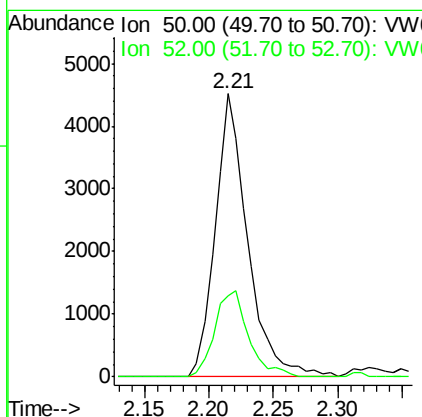
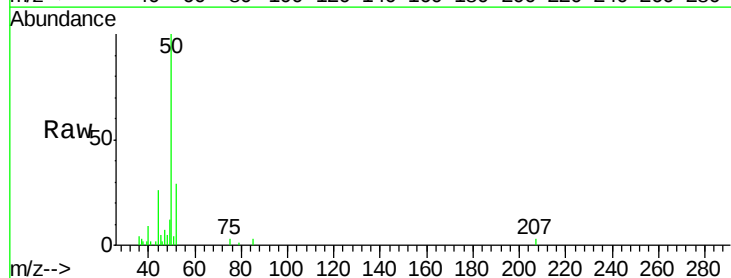
MMDadoda
10/24/2018 2:08:02 PM

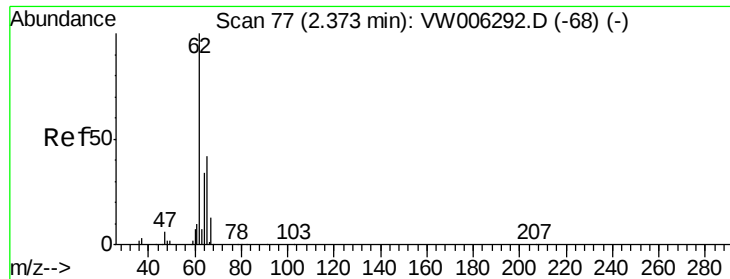


#3

Chloromethane
Concen: 2.746 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.9	22.3	41.3





#5

Vinyl chloride

Concen: 2.370 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 62 Resp: 11097

Ion Ratio Lower Upper

62 100

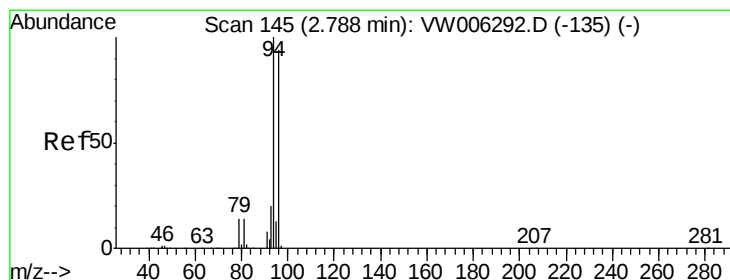
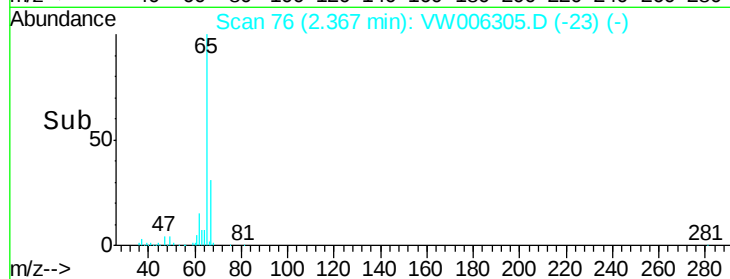
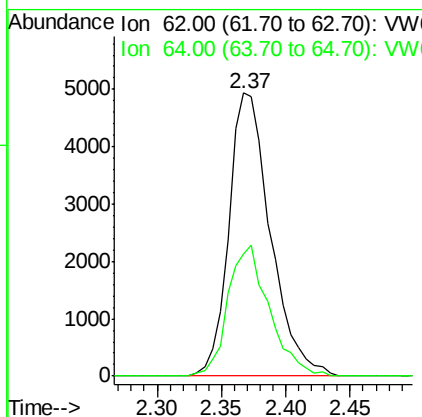
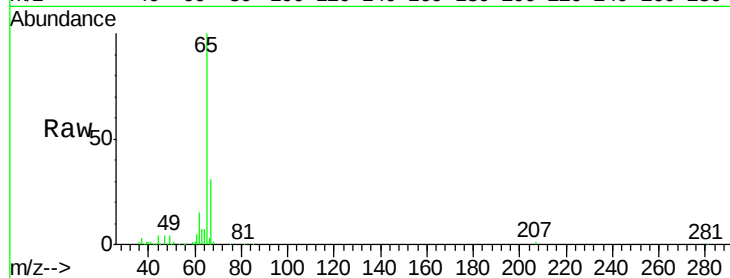
64 43.0 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 2.319 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006305.D

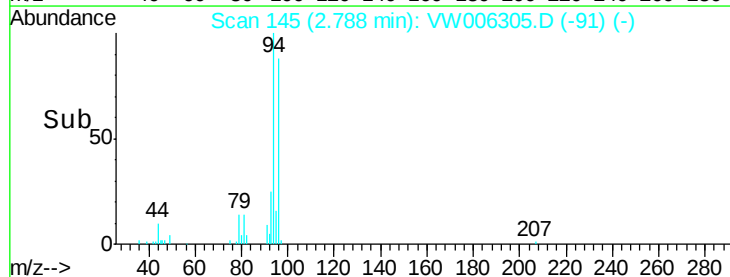
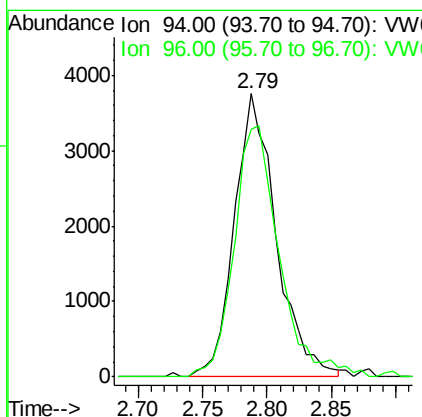
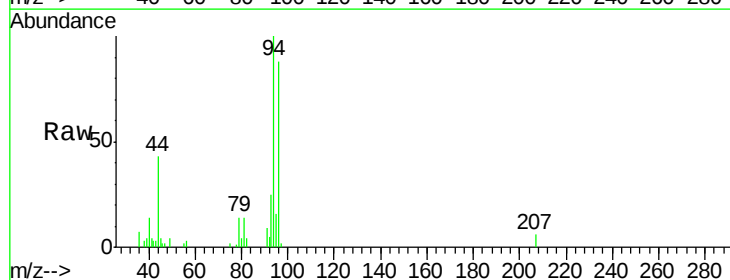
Acq: 23 Oct 2018 19:50

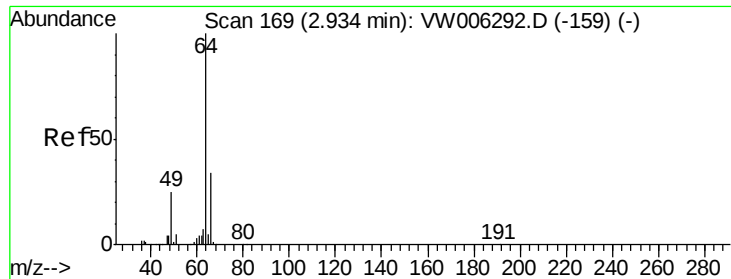
Tgt Ion: 94 Resp: 8454

Ion Ratio Lower Upper

94 100

96 92.9 9.5 181.3





#8

Chloroethane

Concen: 2.482 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 64 Resp: 7123

Ion Ratio Lower Upper

64 100

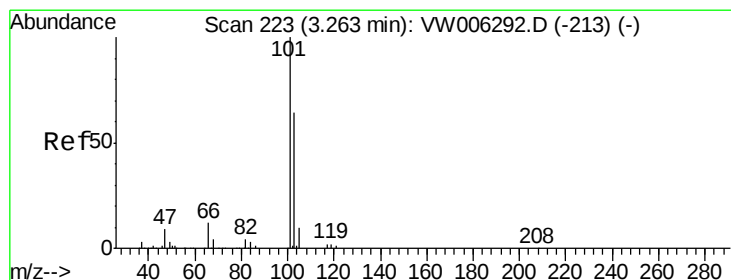
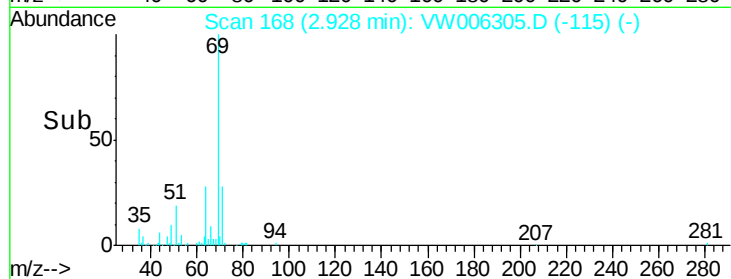
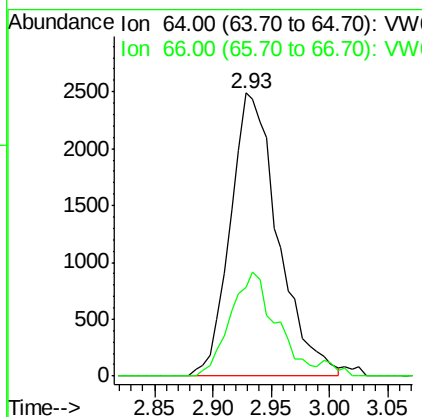
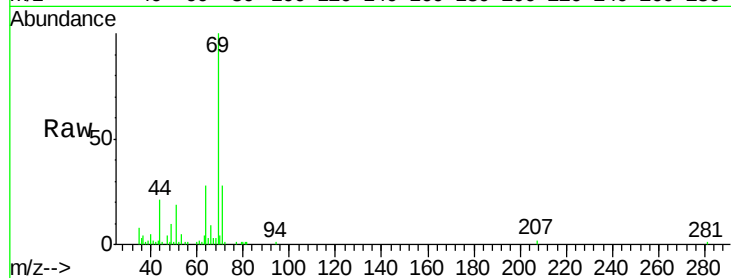
66 31.4 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.491 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006305.D

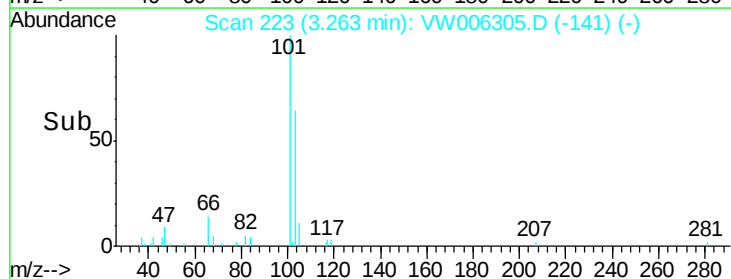
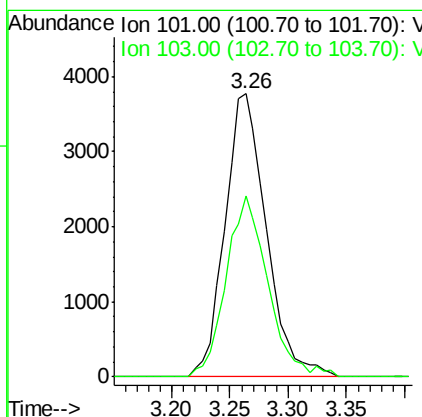
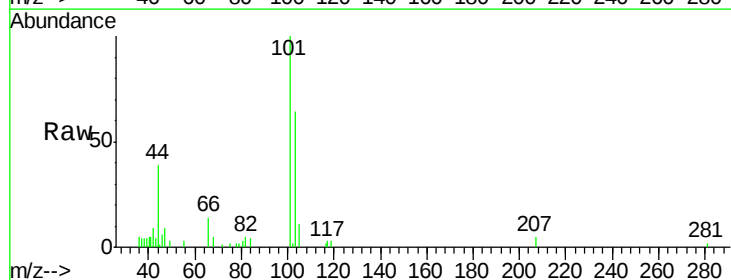
Acq: 23 Oct 2018 19:50

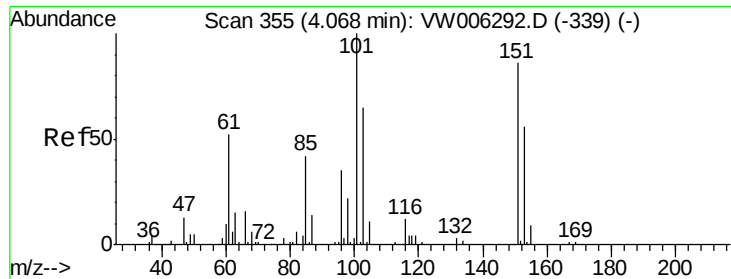
Tgt Ion: 101 Resp: 9331

Ion Ratio Lower Upper

101 100

103 63.3 45.6 84.6





#11

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

Concen: 2.968 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

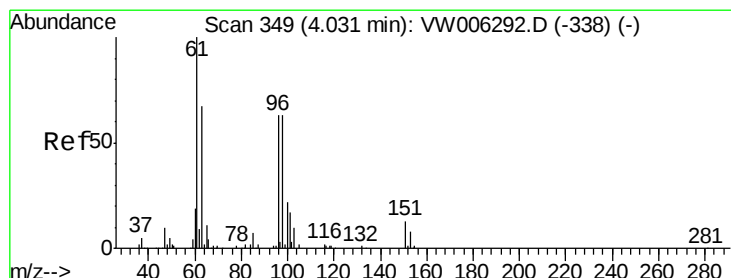
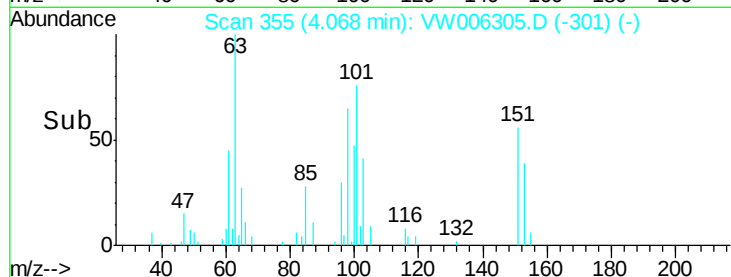
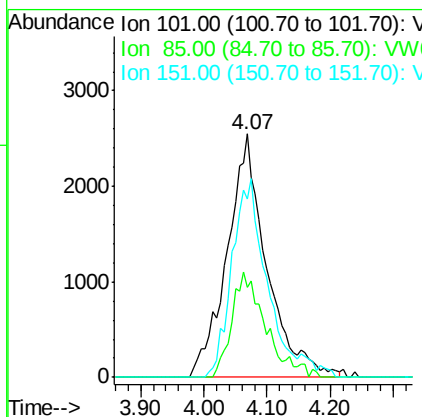
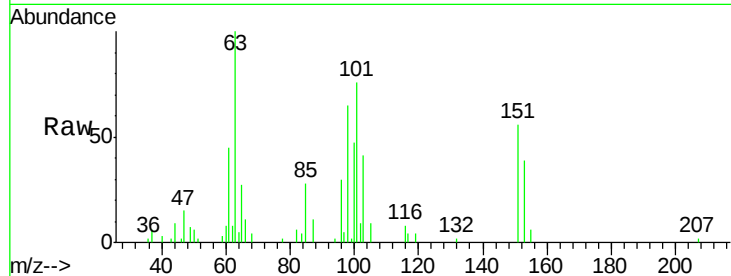
ClientSampleId :

MDL 2 PPB

Tgt Ion:	101	Resp:	11116
Ion Ratio	Lower	Upper	
101	100		
85	33.8	33.4	50.2
151	69.8	68.7	103.1

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#12

1,1-Dichloroethene

Concen: 2.696 ug/L

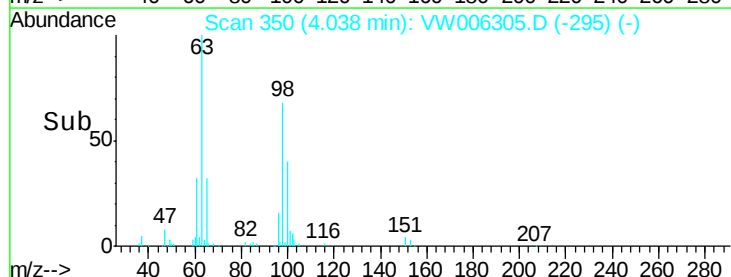
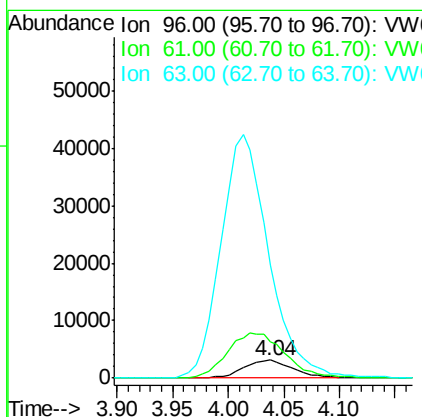
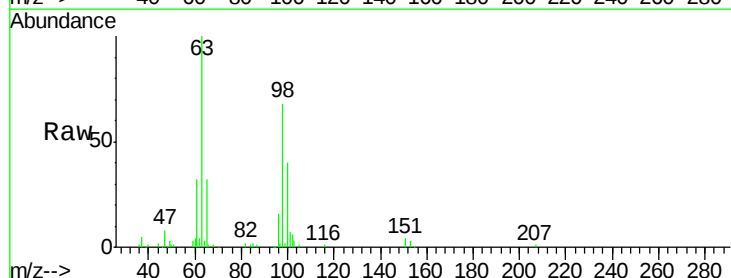
RT: 4.04 min Scan# 350

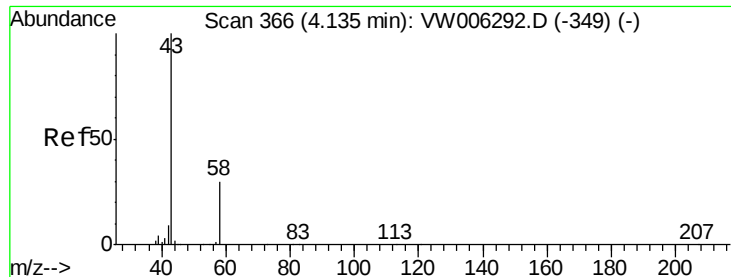
Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Tgt Ion:	96	Resp:	9687
Ion Ratio	Lower	Upper	
96	100		
61	204.8	112.3	208.7
63	631.9	102.6	190.6#





#13

Acetone

Concen: 6.062 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 43 Resp: 7165

Ion Ratio Lower Upper

43 100

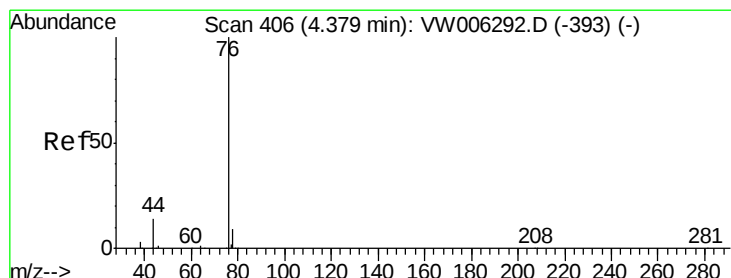
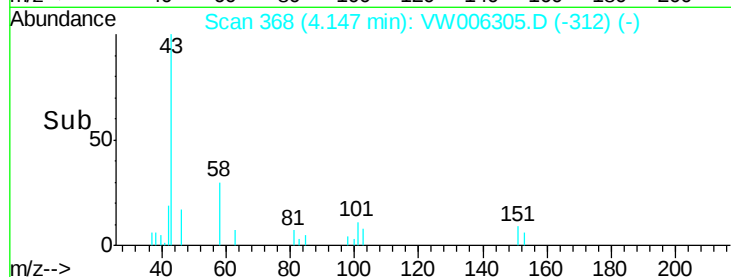
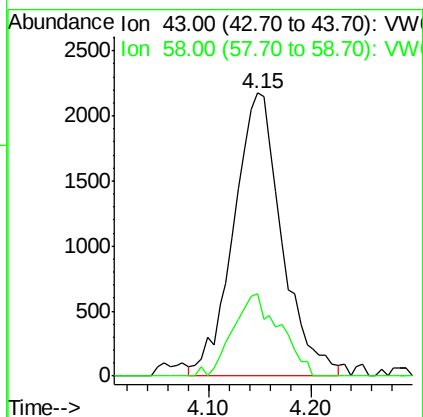
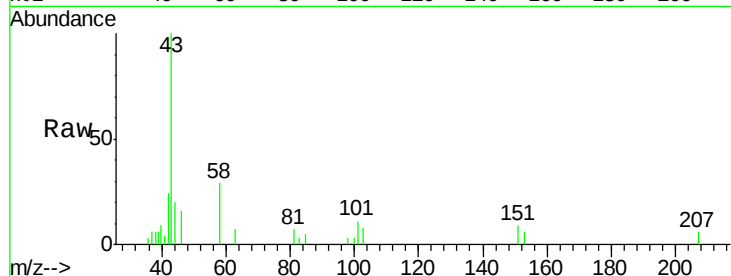
58 27.8 0.0 61.2

Manual Integrations

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#14

Carbon disulfide

Concen: 1.951 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006305.D

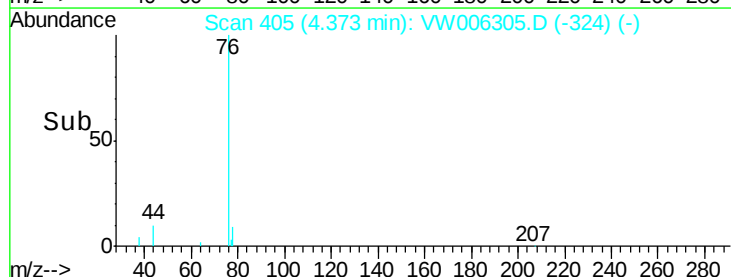
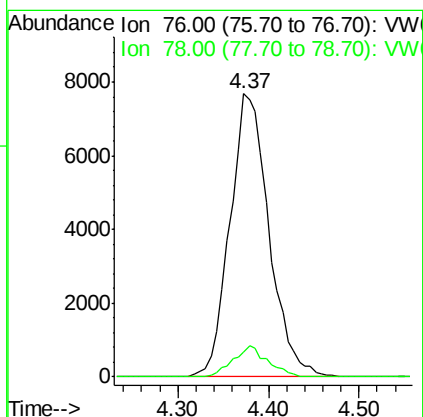
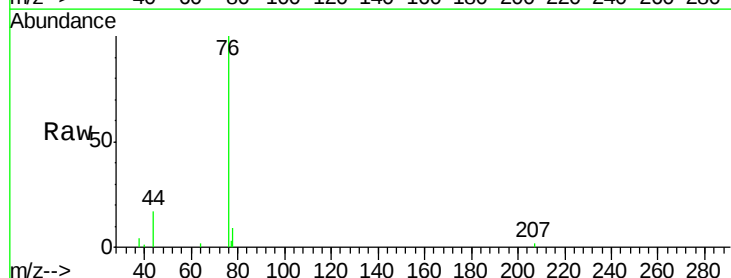
Acq: 23 Oct 2018 19:50

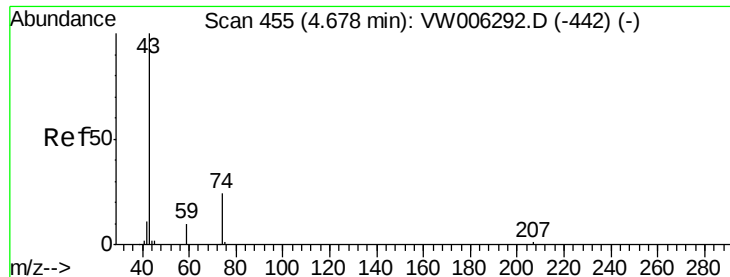
Tgt Ion: 76 Resp: 22915

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4





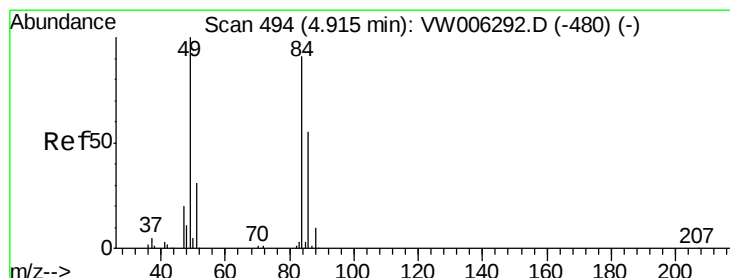
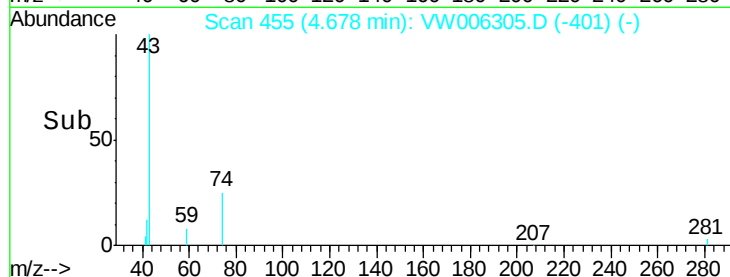
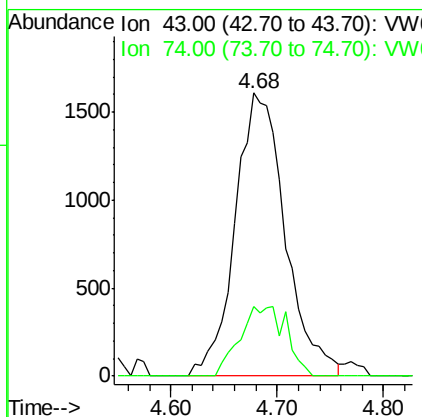
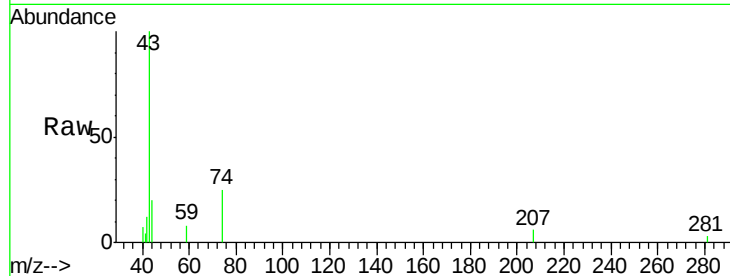
#15
Methyl Acetate
Concen: 2.770 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 43 Resp: 5304
Ion Ratio Lower Upper
43 100
74 11.3 19.4 29.2#

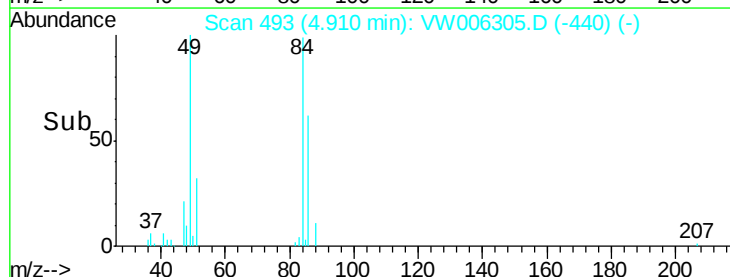
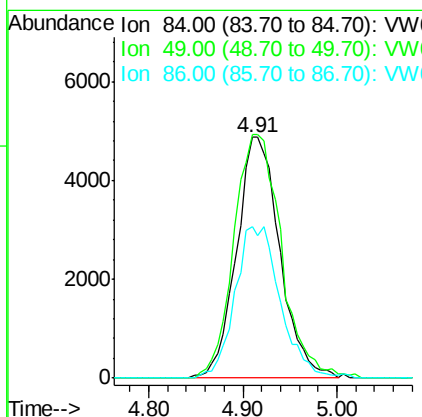
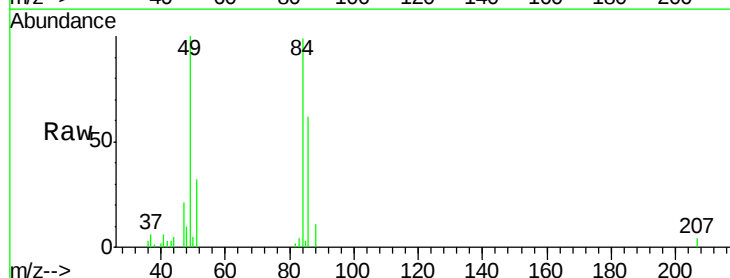
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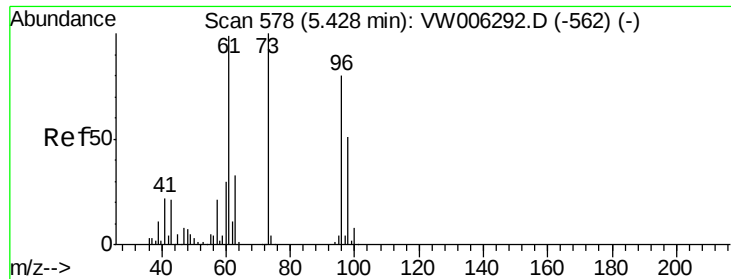
MMDadoda
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#16
Methylene chloride
Concen: 3.858 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion: 84 Resp: 15590
Ion Ratio Lower Upper
84 100
49 101.0 83.5 155.1
86 62.7 44.9 83.5





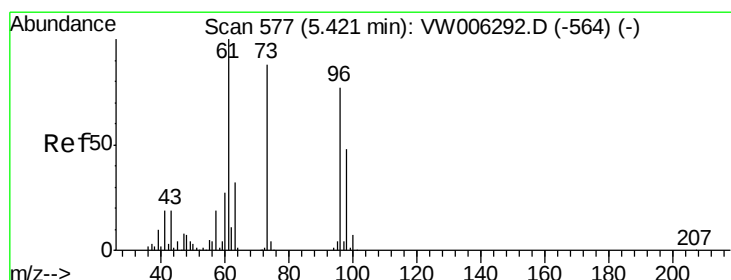
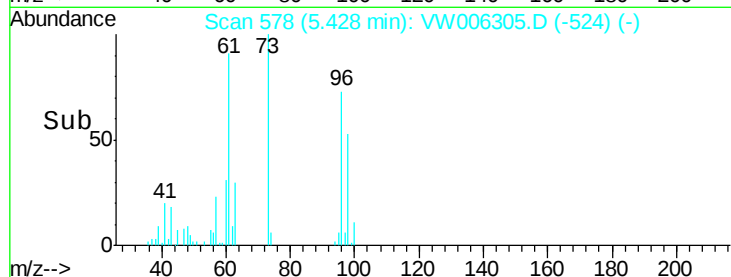
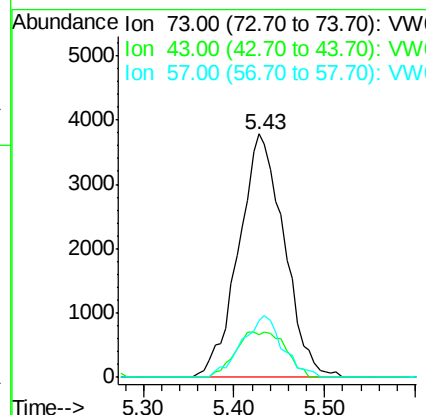
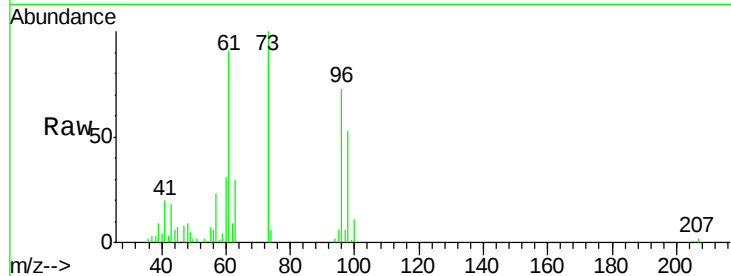
#17
Methyl tert-butyl Ether
Concen: 2.236 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
73	100		
43	10.6	17.0	25.4#
57	21.6	17.1	25.7

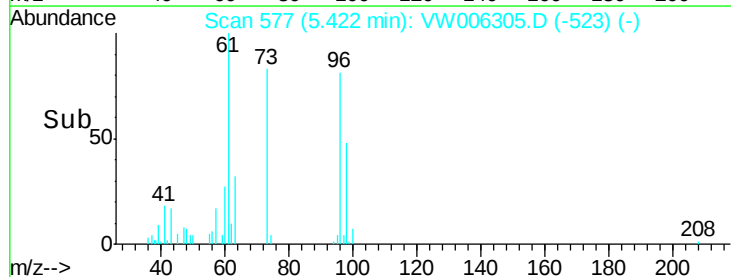
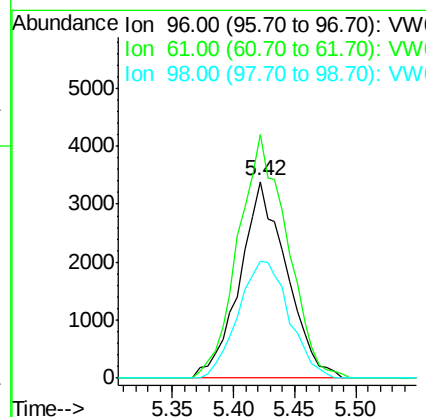
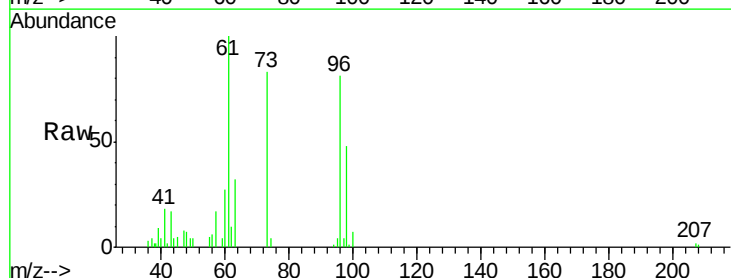
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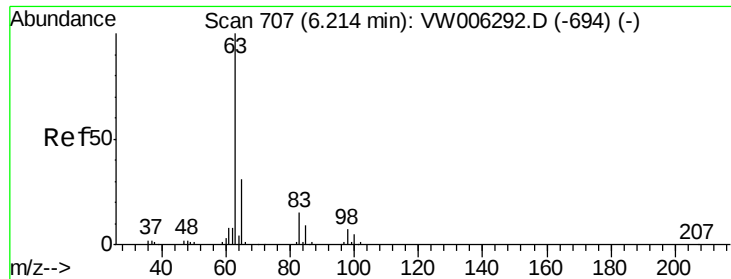
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 2.261 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.9	89.0	165.2
98	59.6	42.4	78.6





#19

1,1-Dichloroethane

Concen: 2.178 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

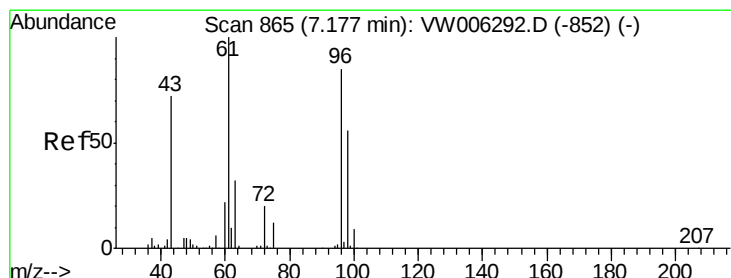
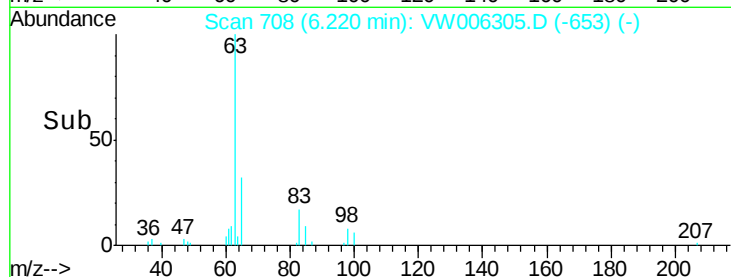
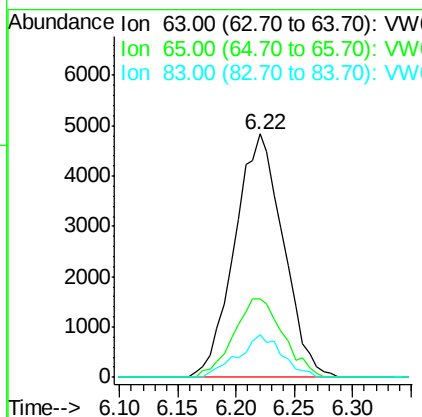
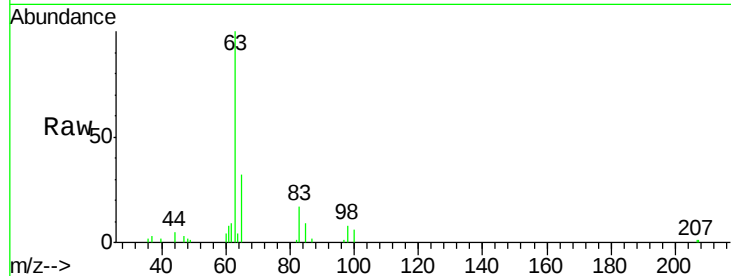
ClientSampleId :

MDL 2 PPB

Tgt Ion:	63	Resp:	14023
Ion Ratio	Lower	Upper	
63	100		
65	32.1	22.3	41.5
83	17.3	9.7	18.1

Manual Integrations
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#21

2-Butanone

Concen: 5.144 ug/L

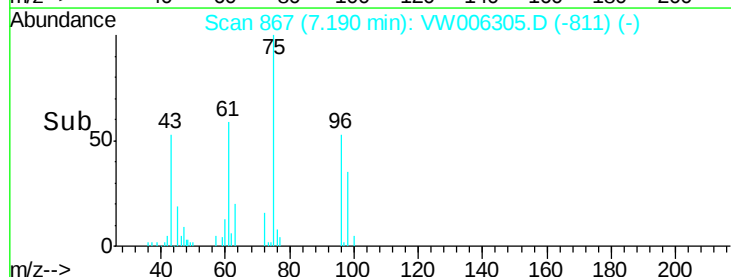
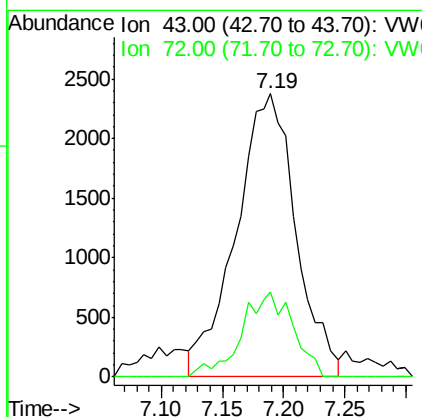
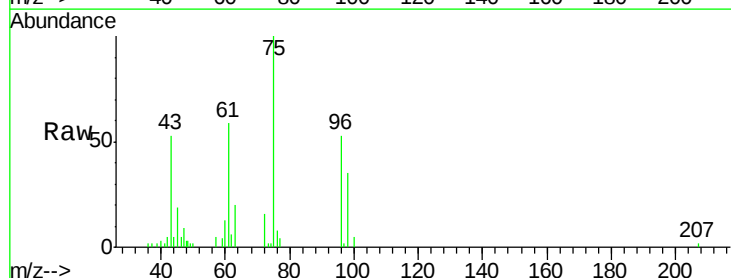
RT: 7.19 min Scan# 867

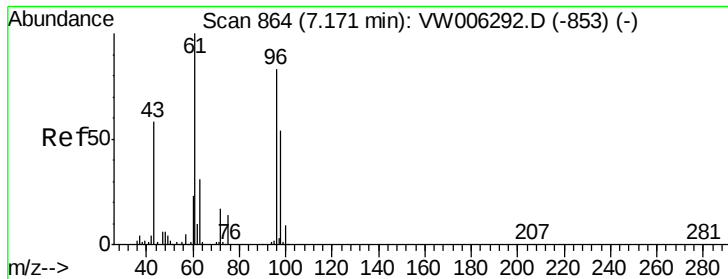
Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Tgt Ion:	43	Resp:	8080
Ion Ratio	Lower	Upper	
43	100		
72	16.0	13.8	41.4





#22

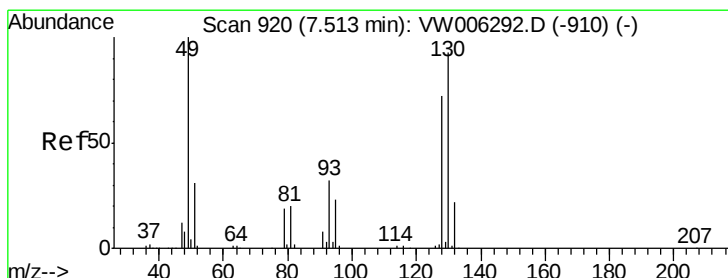
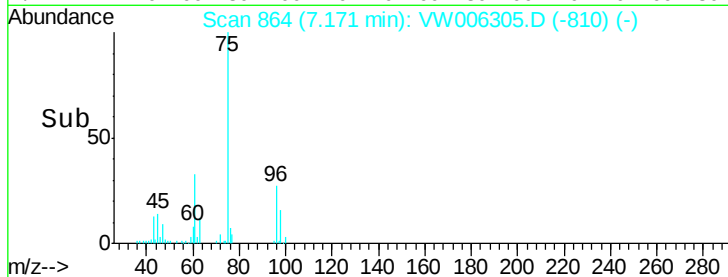
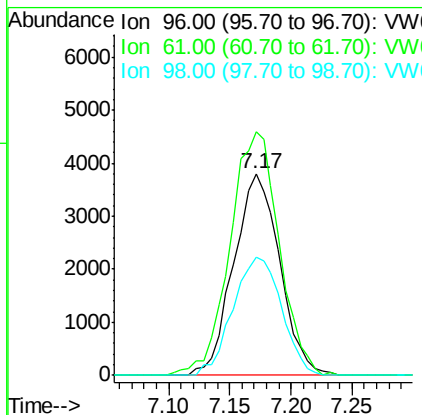
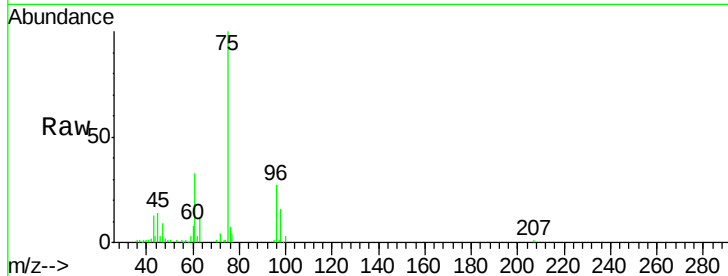
cis-1,2-Dichloroethene
 Concen: 2.291 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	85.1	158.1
98	58.7	46.3	86.1

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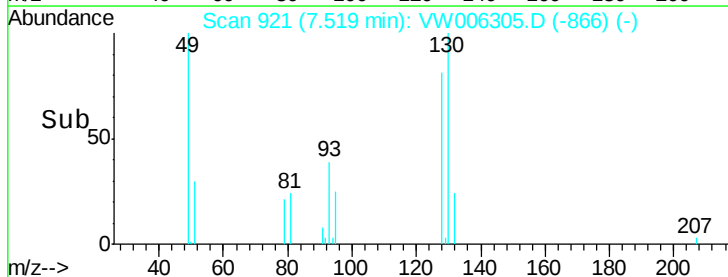
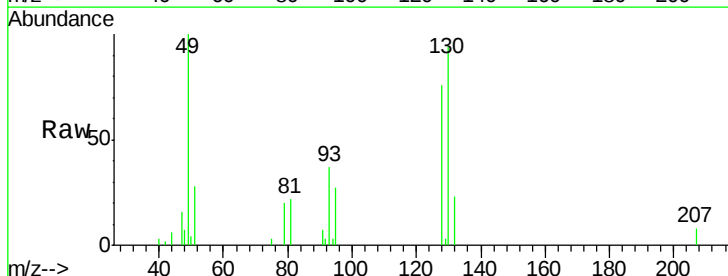
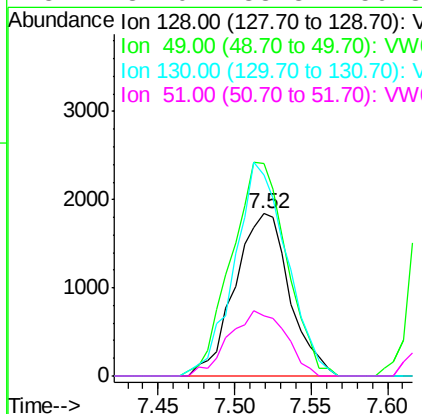
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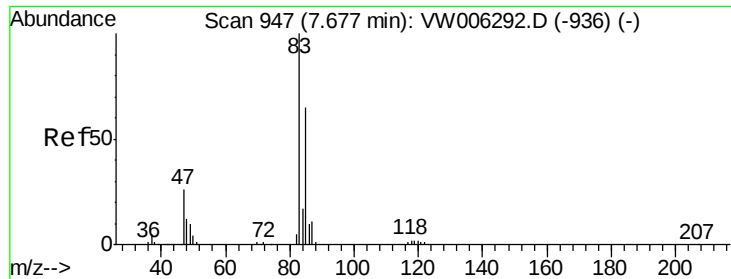


#23

Bromochloromethane
 Concen: 2.248 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	131.1	95.2	176.8
130	123.8	86.3	160.3
51	37.0	33.8	50.8





#25

Chloroform

Concen: 2.361 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 83 Resp: 16362

Ion Ratio Lower Upper

83 100

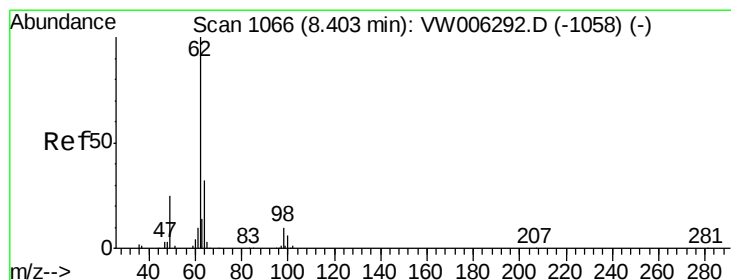
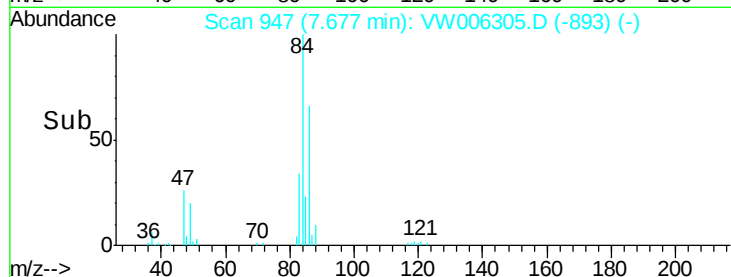
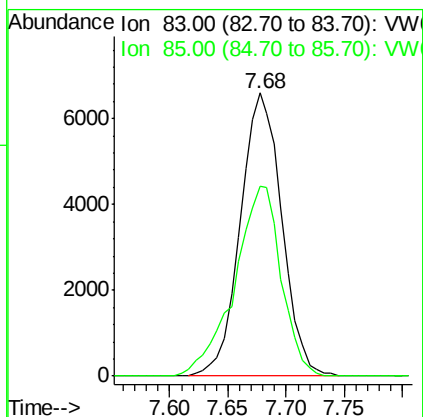
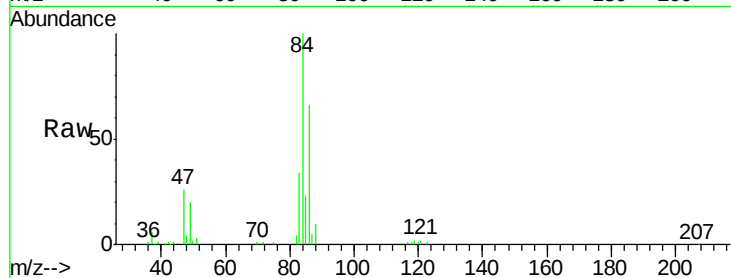
85 75.3 46.3 85.9

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 2.389 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006305.D

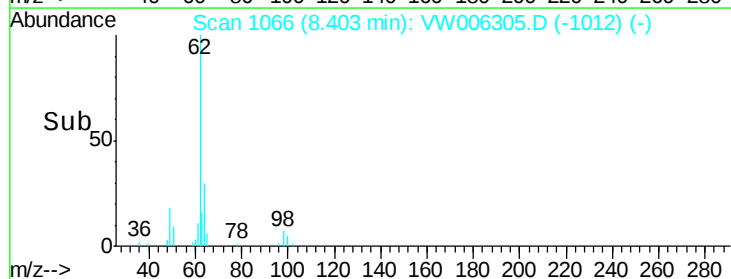
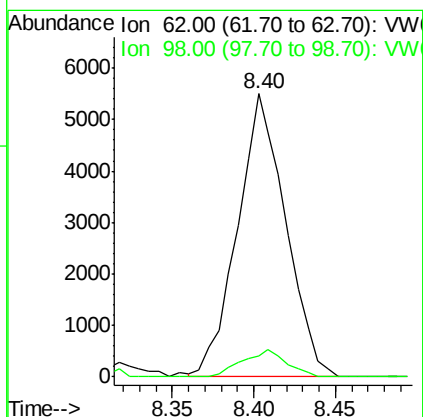
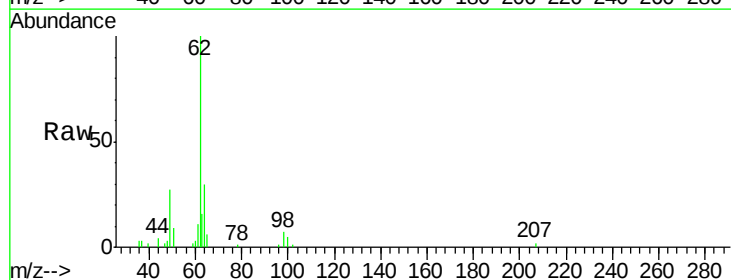
Acq: 23 Oct 2018 19:50

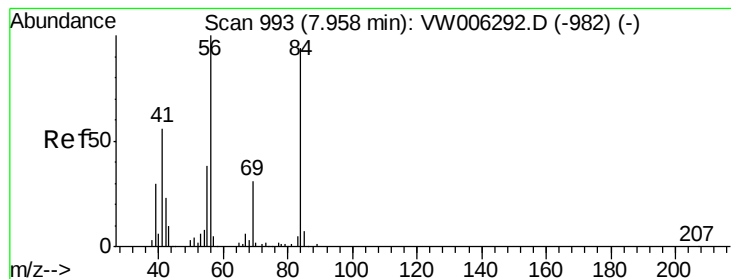
Tgt Ion: 62 Resp: 11285

Ion Ratio Lower Upper

62 100

98 7.3 8.0 12.0#





#30

Cyclohexane

Concen: 2.146 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

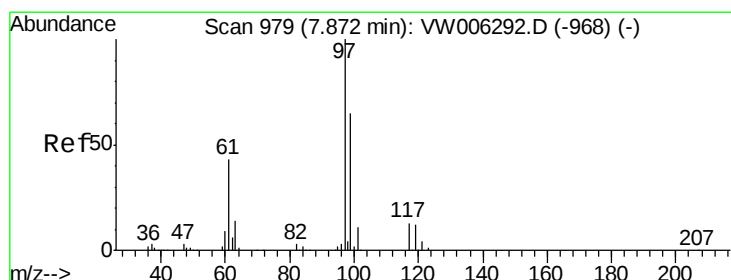
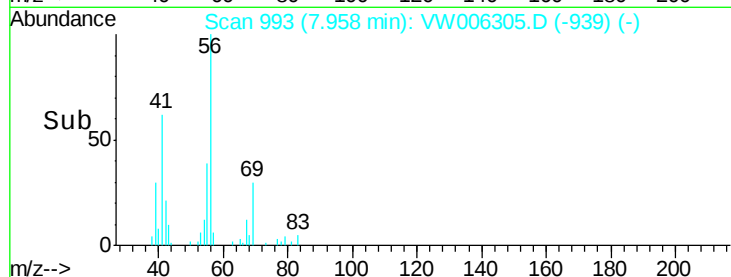
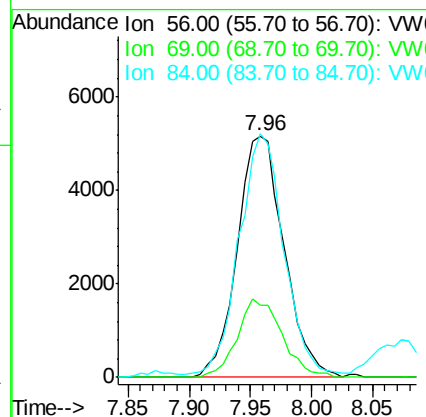
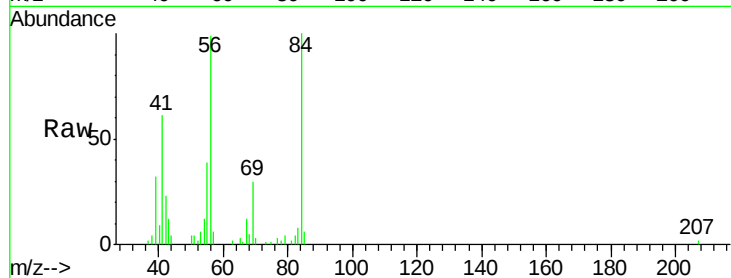
ClientSampleId :

MDL 2 PPB

Tgt Ion:	56	Resp:	13708
Ion Ratio		Lower	Upper
56	100		
69	31.0	25.4	38.0
84	97.9	73.9	110.9

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#31

1,1,1-Trichloroethane

Concen: 2.213 ug/L

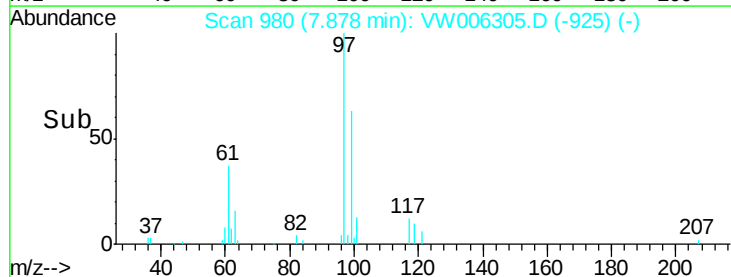
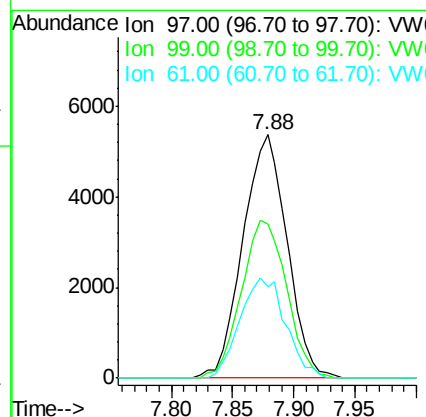
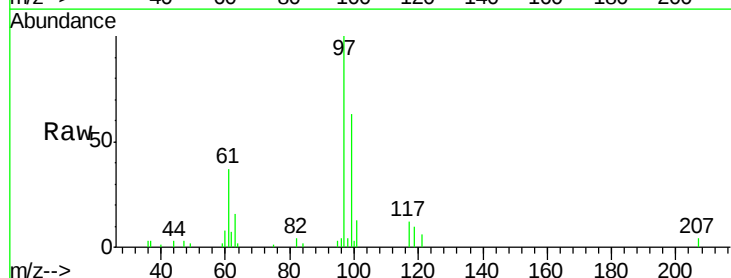
RT: 7.88 min Scan# 980

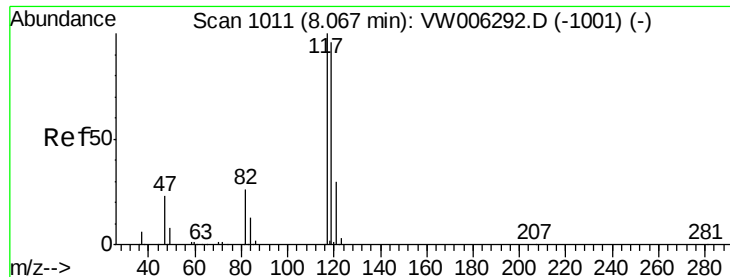
Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Tgt Ion:	97	Resp:	13459
Ion Ratio		Lower	Upper
97	100		
99	66.1	51.0	76.4
61	42.7	33.6	50.4





#32

Carbon tetrachloride

Concen: 2.122 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion:117 Resp: 12658

Ion Ratio Lower Upper

117 100

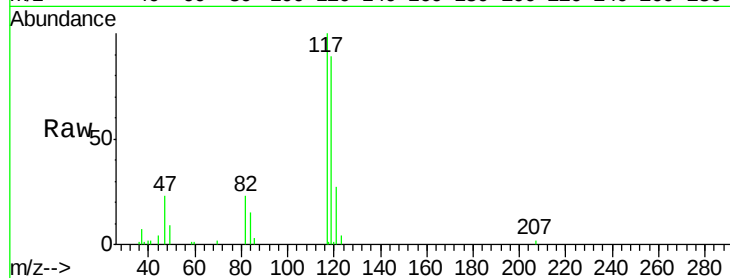
119 96.0 76.9 115.3

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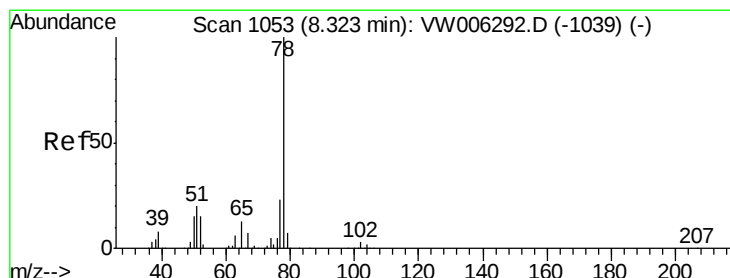
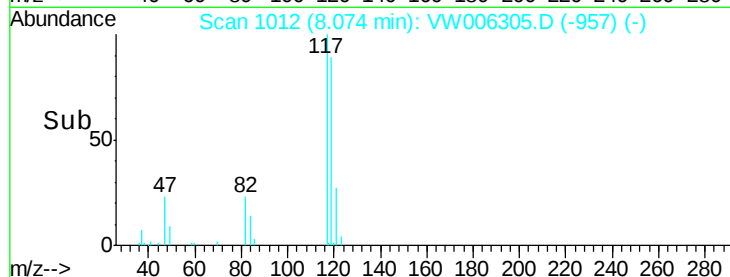
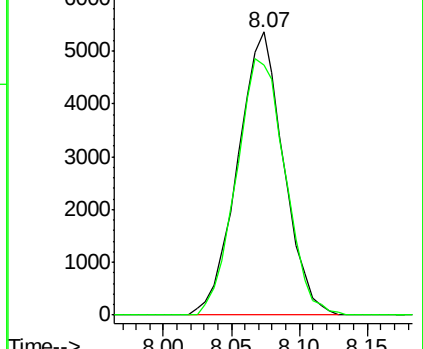
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.355 ug/L m

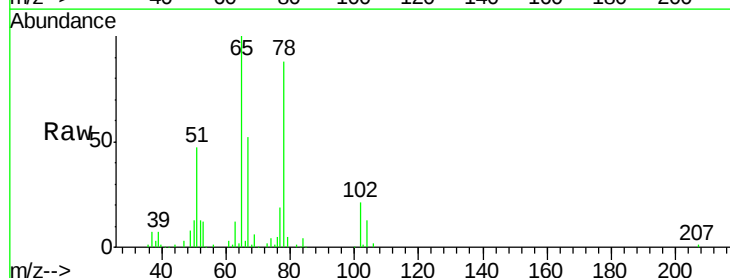
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

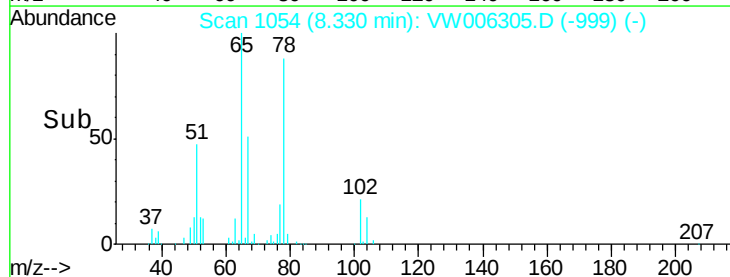
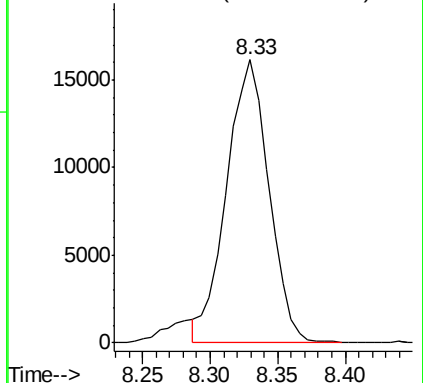
Lab File: VW006305.D

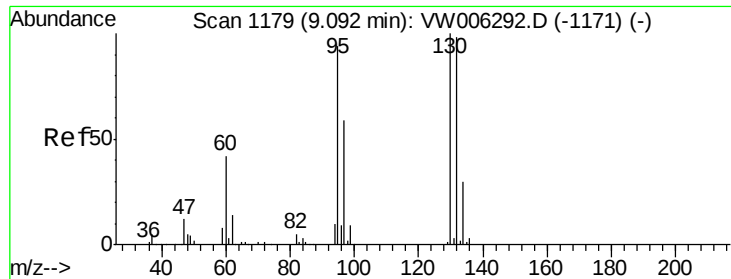
Acq: 23 Oct 2018 19:50

Tgt Ion: 78 Resp: 35145



Abundance Ion 78.00 (77.70 to 78.70): VW





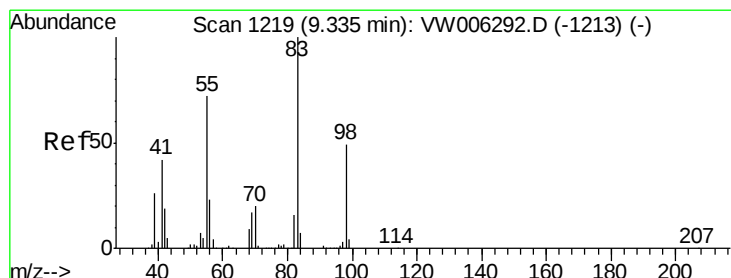
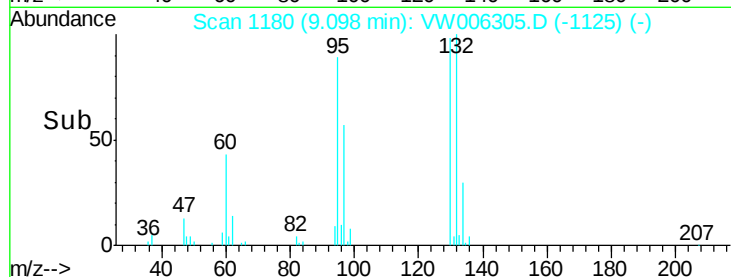
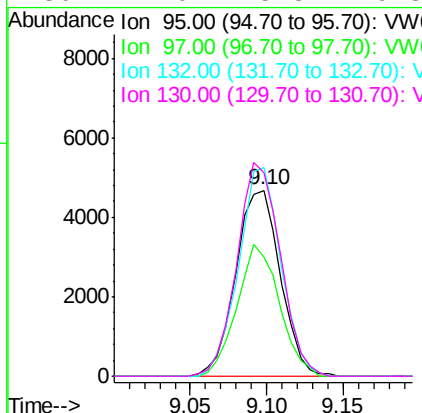
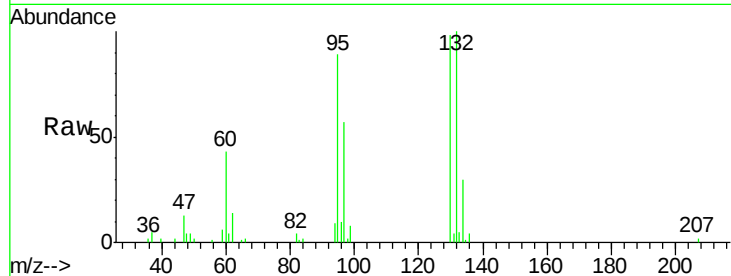
#35
 Trichloroethene
 Concen: 2.256 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.5	45.8	85.0
132	107.4	72.9	135.3
130	112.0	75.8	140.8

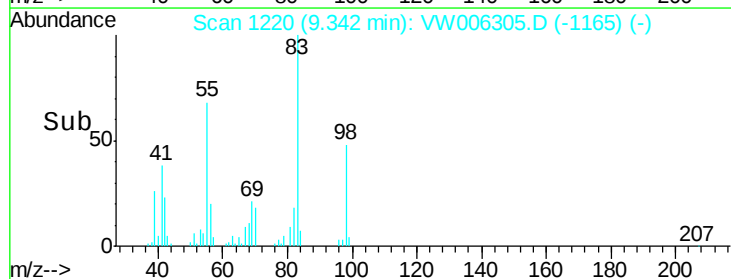
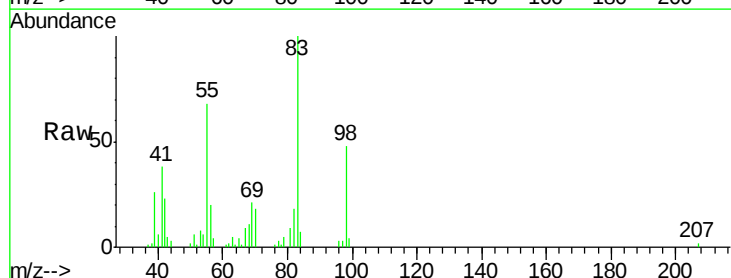
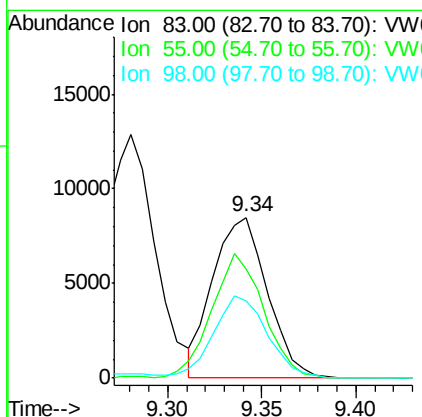
Manual Integrations
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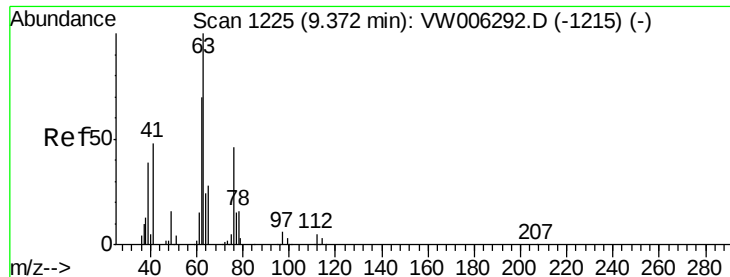
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#36
 Methylcyclohexane
 Concen: 2.211 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.1	85.7
98	50.8	38.9	58.3





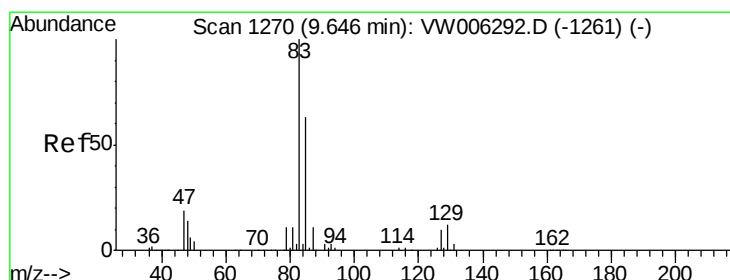
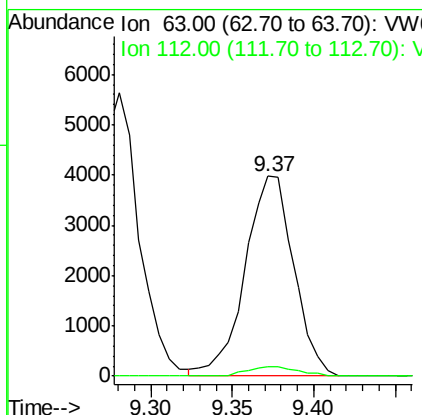
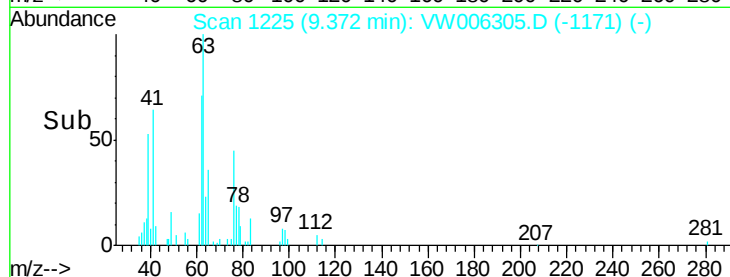
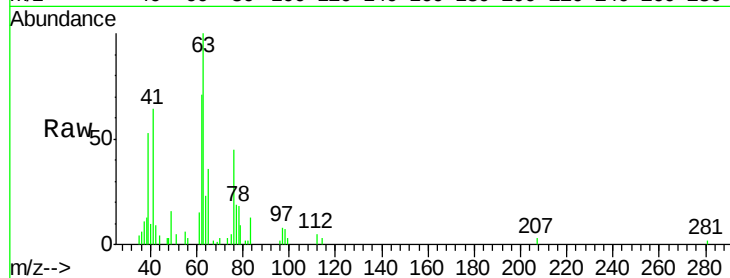
#40
1,2-Dichloropropane
Concen: 2.232 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 63 Resp: 8260
Ion Ratio Lower Upper
63 100
112 5.0 3.5 5.3

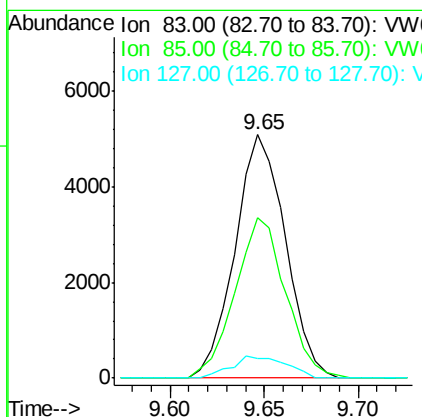
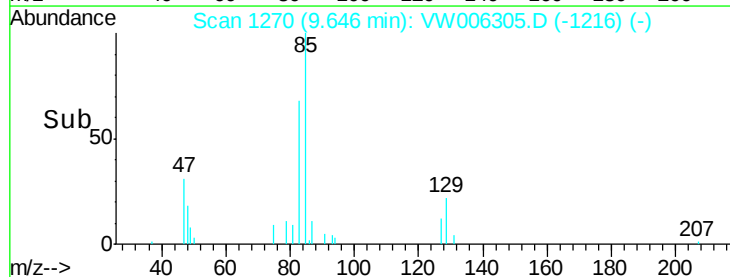
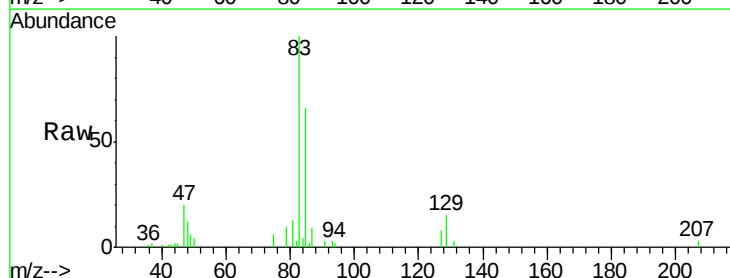
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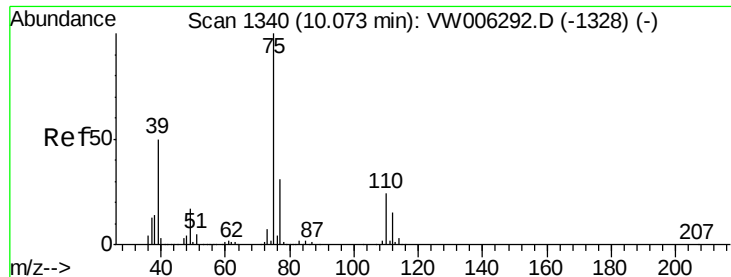
MMDadoda
10/24/2018 2:08:02 PM



#41
Bromodichloromethane
Concen: 1.891 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion: 83 Resp: 9449
Ion Ratio Lower Upper
83 100
85 65.7 45.5 84.5
127 7.9 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 1.929 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 75 Resp: 11662

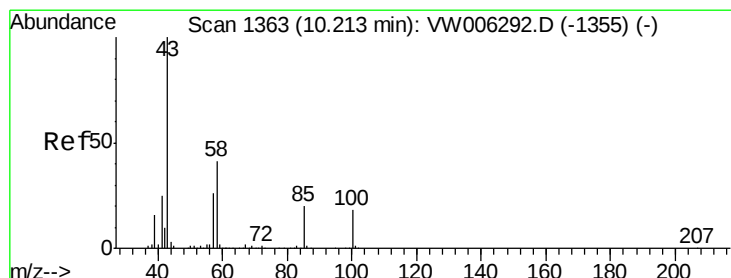
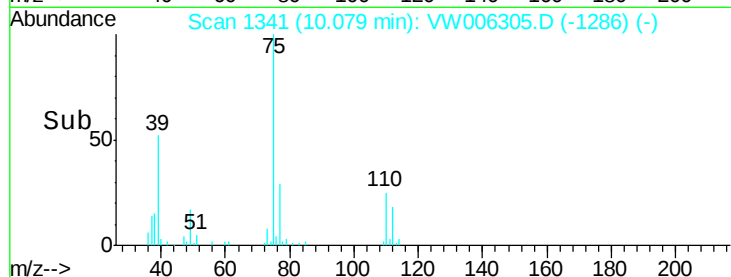
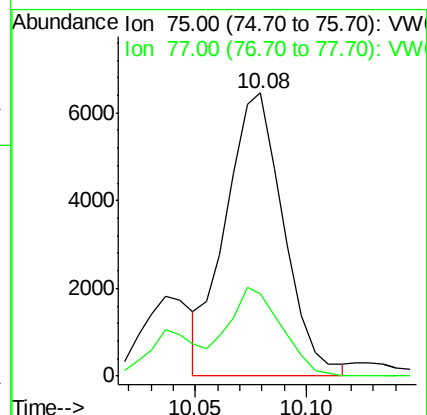
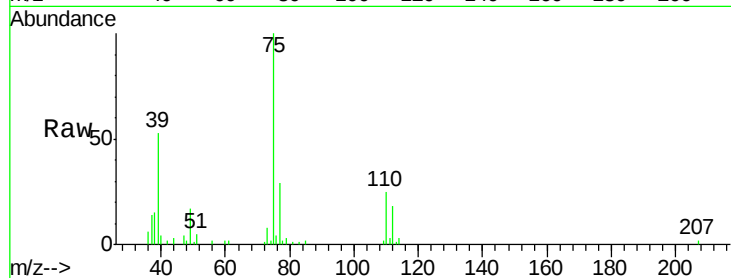
Ion Ratio Lower Upper

75 100

77 29.2 22.6 42.0

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#43

4-Methyl-2-pentanone

Concen: 4.543 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

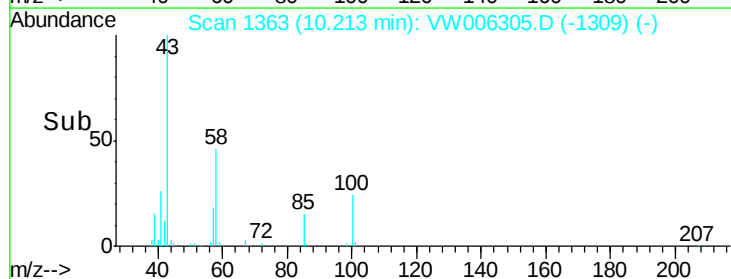
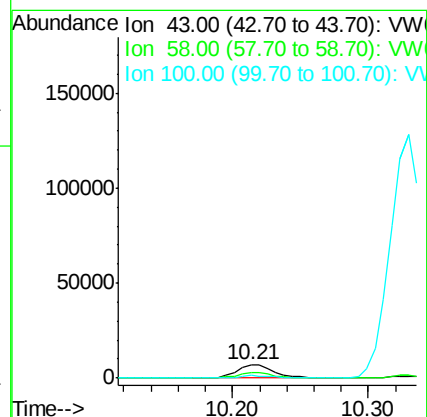
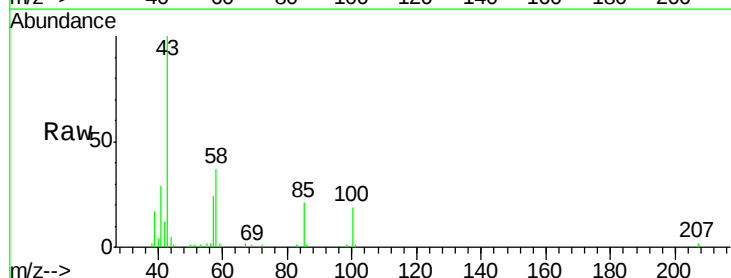
Tgt Ion: 43 Resp: 13474

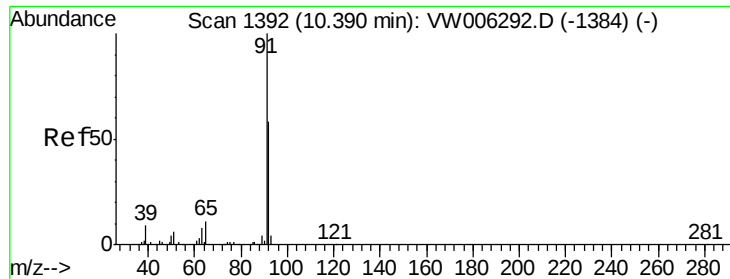
Ion Ratio Lower Upper

43 100

58 38.0 31.4 47.2

100 17.7 13.3 19.9





#44

Toluene

Concen: 2.313 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 91 Resp: 38746

Ion Ratio Lower Upper

91 100

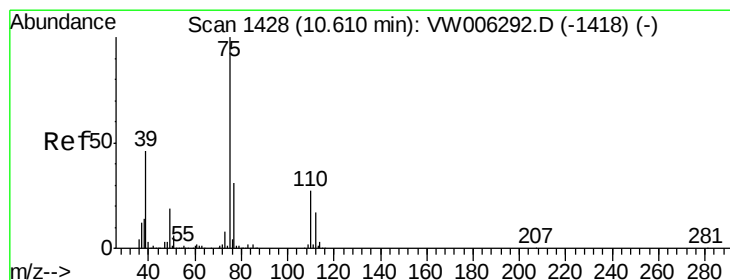
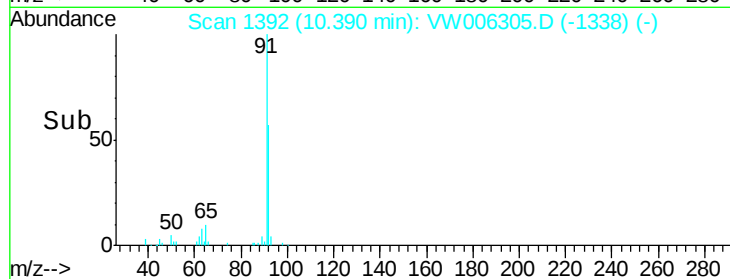
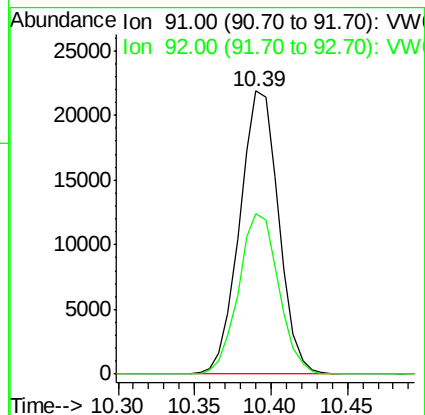
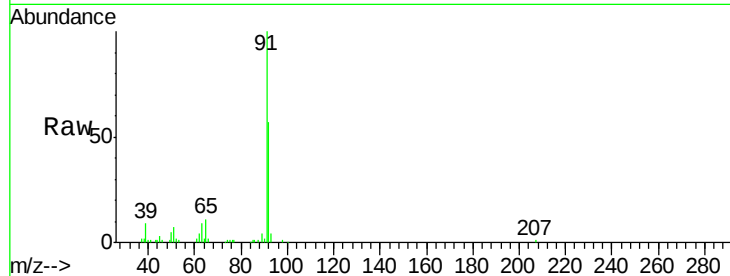
92 56.8 40.4 75.0

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 2.260 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006305.D

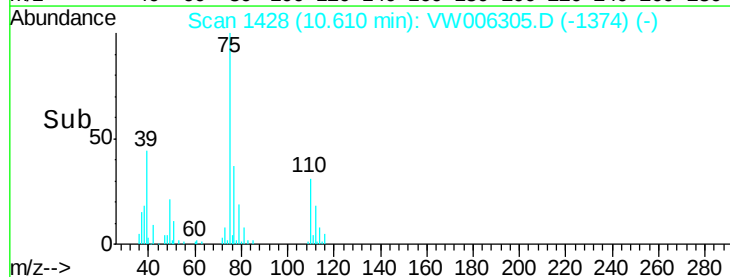
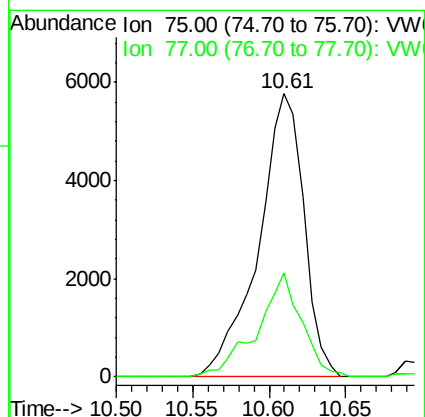
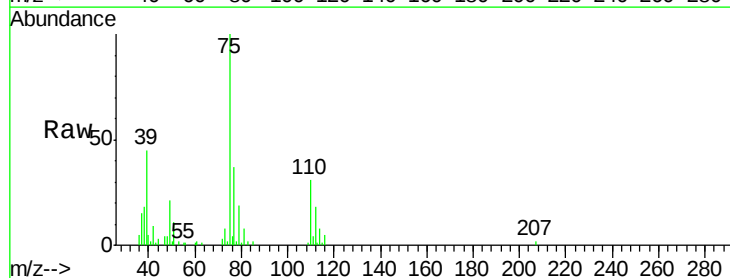
Acq: 23 Oct 2018 19:50

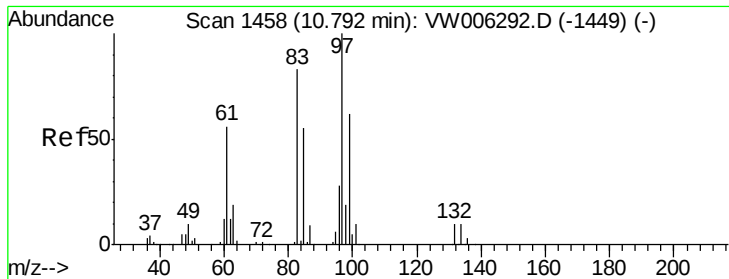
Tgt Ion: 75 Resp: 11935

Ion Ratio Lower Upper

75 100

77 36.9 22.4 41.6





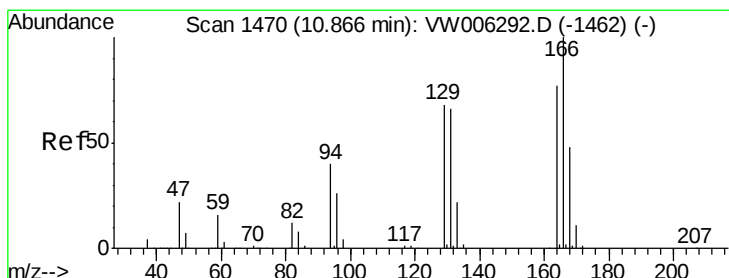
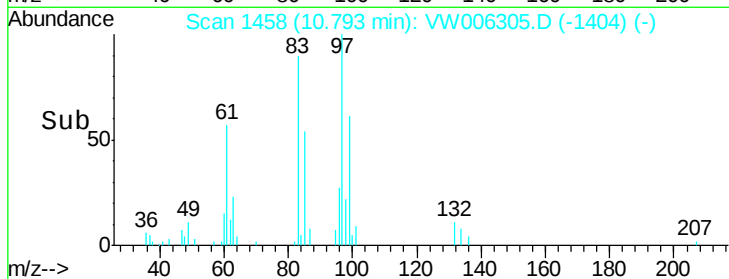
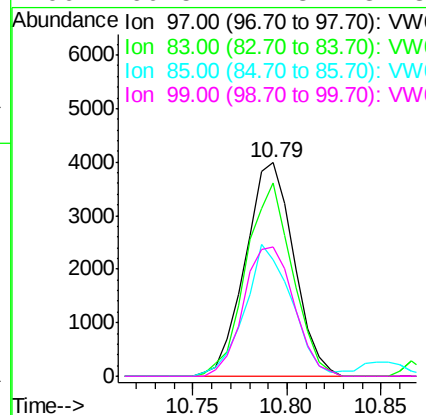
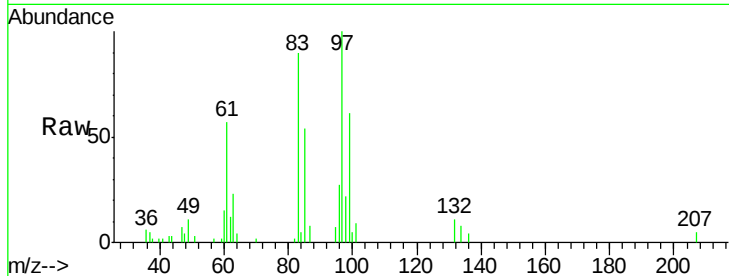
#46
 1,1,2-Trichloroethane
 Concen: 2.309 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	97	Resp:	7118
Ion	Ratio	Lower	Upper
97	100		
83	90.4	60.0	111.4
85	54.4	38.7	71.9
99	60.5	44.3	82.3

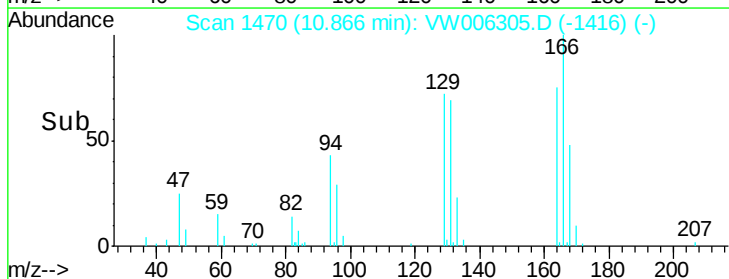
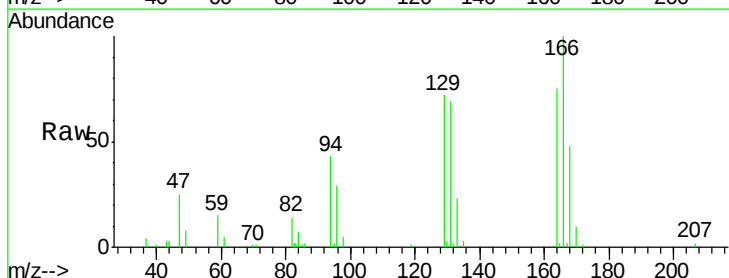
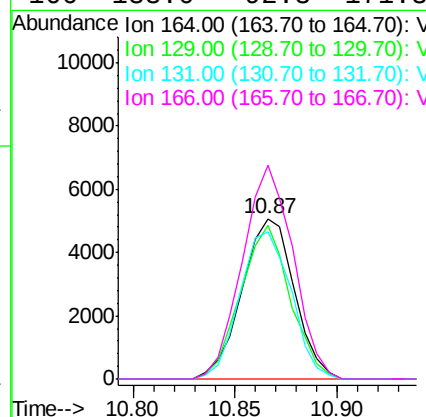
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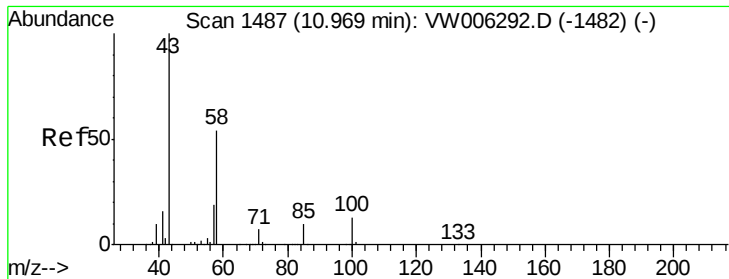
MMDadoda
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#47
 Tetrachloroethene
 Concen: 2.333 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion:	164	Resp:	9065
Ion	Ratio	Lower	Upper
164	100		
129	95.7	65.4	121.4
131	91.7	63.8	118.4
166	133.0	92.3	171.3





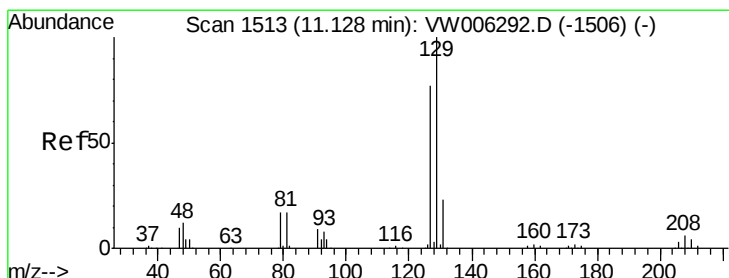
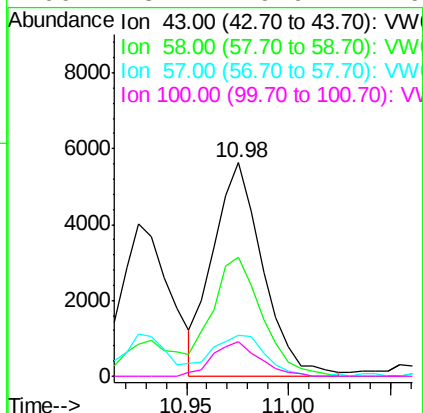
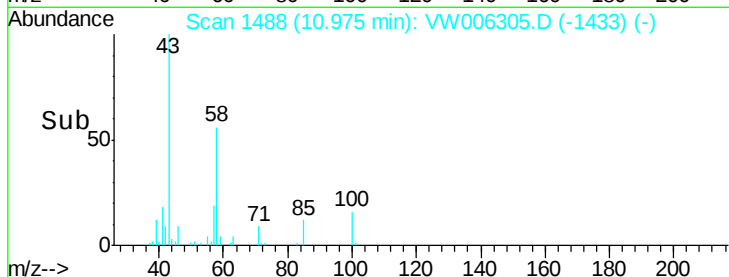
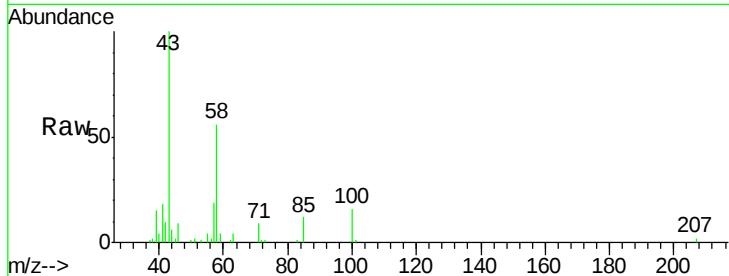
#49
2-Hexanone
Concen: 4.364 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 43 Resp: 9539
Ion Ratio Lower Upper
43 100
58 55.9 42.1 63.1
57 21.7 15.1 22.7
100 15.2 9.9 14.9#

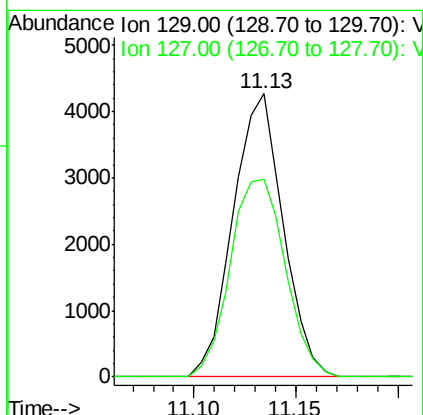
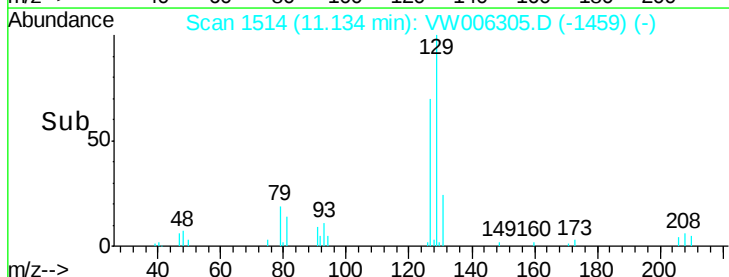
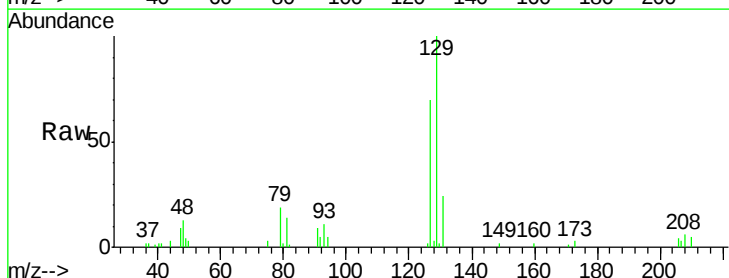
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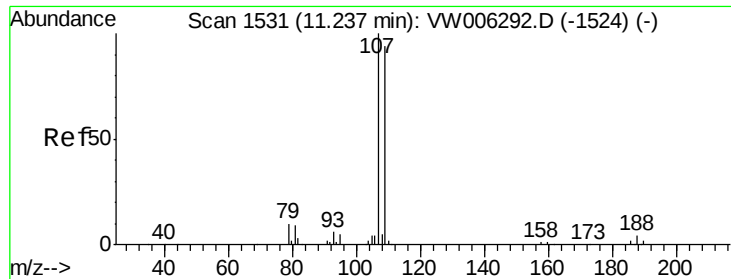
MMDadoda
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#50
Dibromochloromethane
Concen: 1.840 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion: 129 Resp: 7271
Ion Ratio Lower Upper
129 100
127 69.7 54.4 101.0





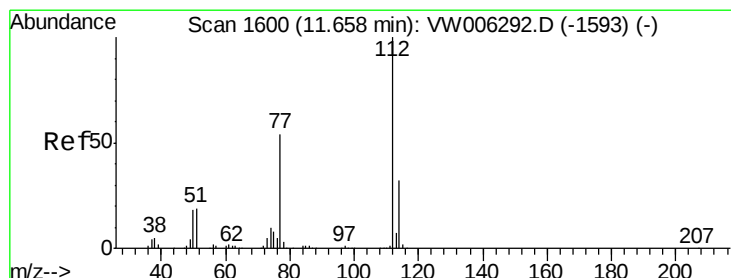
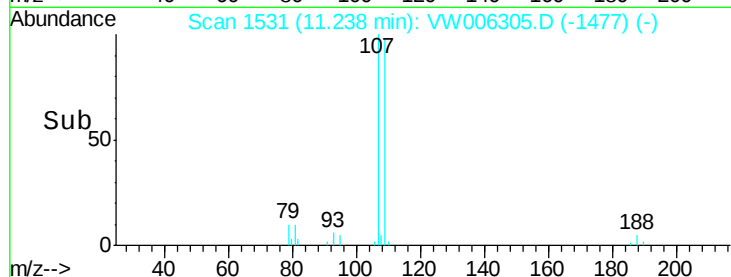
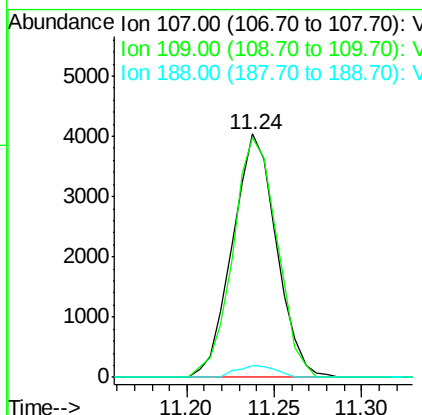
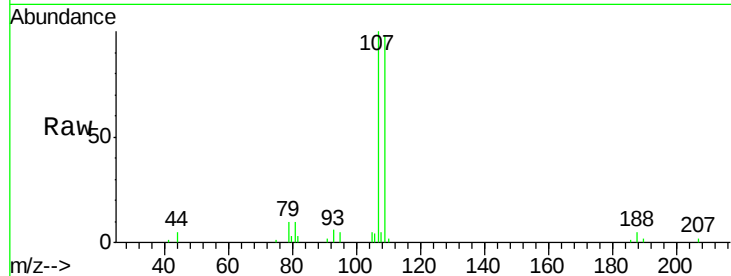
#51
 1,2-Dibromoethane
 Concen: 2.211 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	7094		
109	98.3	66.6	123.8	
188	5.1	3.4	5.0#	

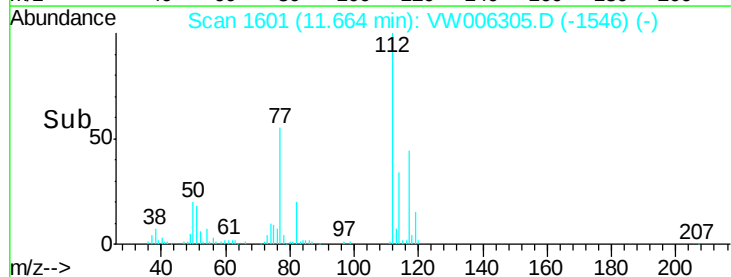
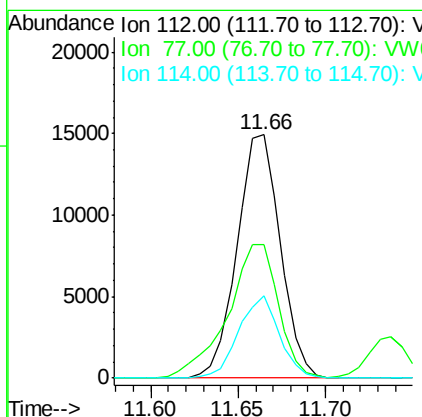
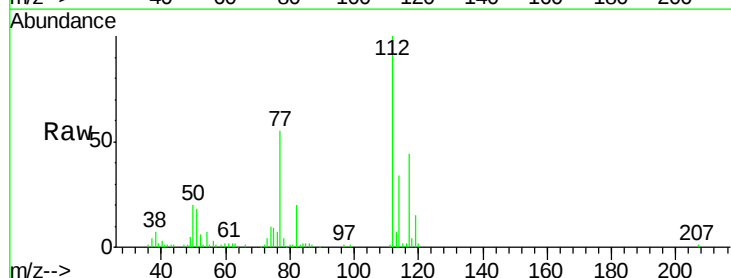
Manual Integrations
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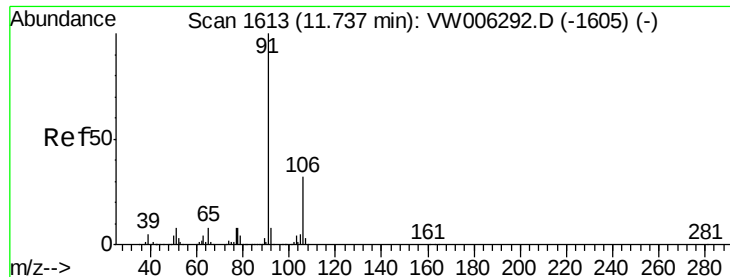
MMDadoda
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#52
 Chlorobenzene
 Concen: 2.270 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	25741		
77	54.8	44.2	66.2	
114	33.7	22.1	41.1	





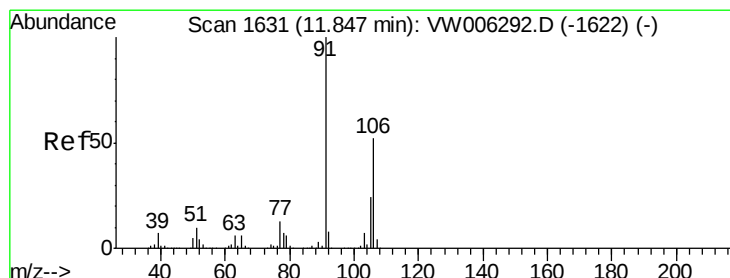
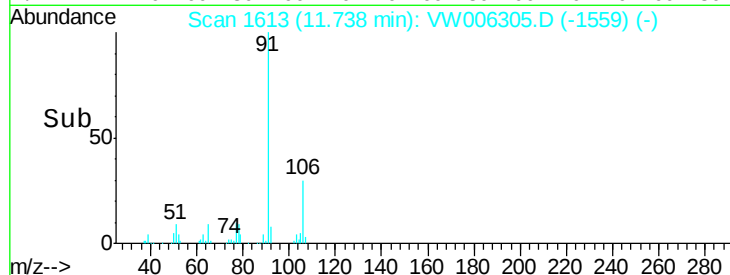
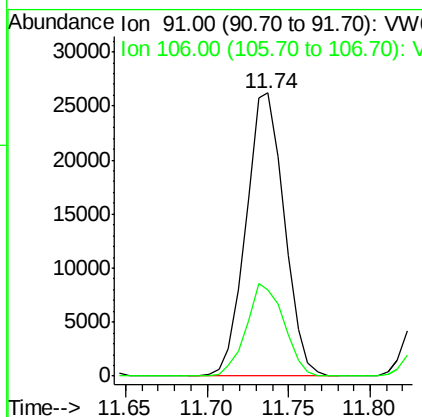
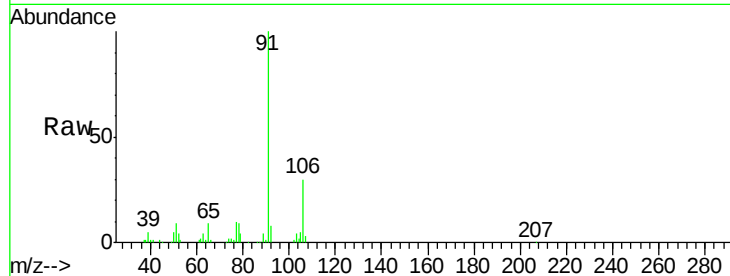
#53
Ethylbenzene
Concen: 2.194 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 91 Resp: 42790
Ion Ratio Lower Upper
91 100
106 30.3 22.6 42.0

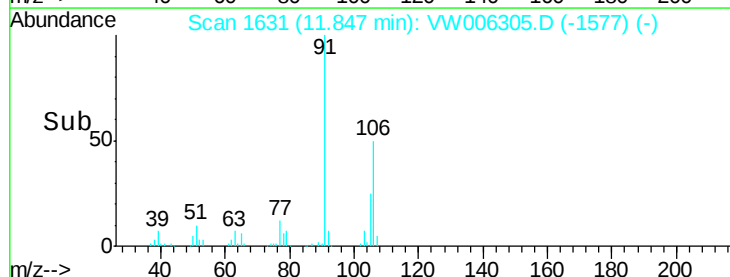
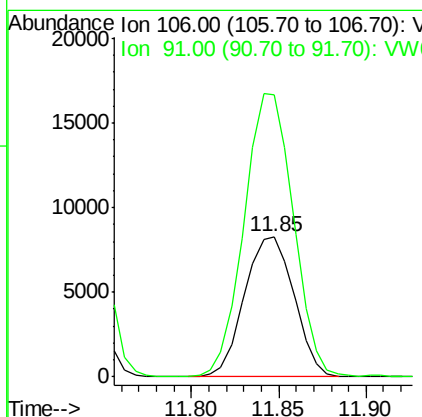
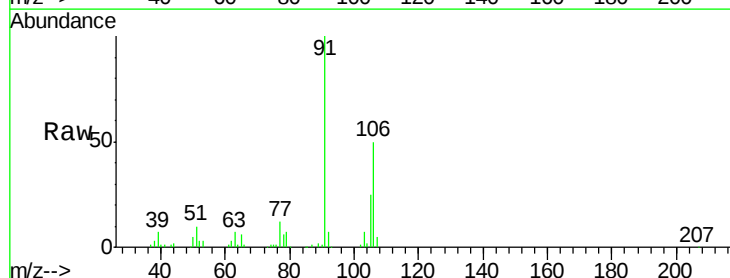
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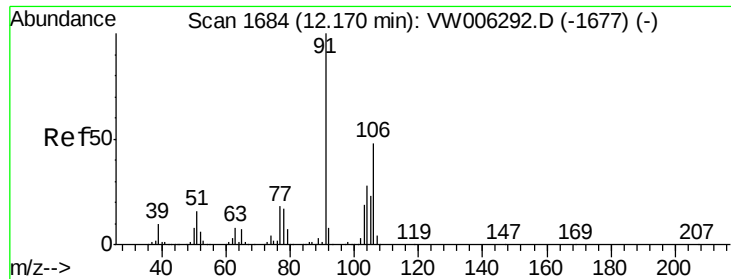
MMDadoda
10/24/2018 2:08:02 PM



#54
m,p-Xylene
Concen: 2.146 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion: 106 Resp: 16408
Ion Ratio Lower Upper
106 100
91 200.8 138.4 257.0





#55

o-xylene

Concen: 2.040 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion:106 Resp: 14892

Ion Ratio Lower Upper

106 100

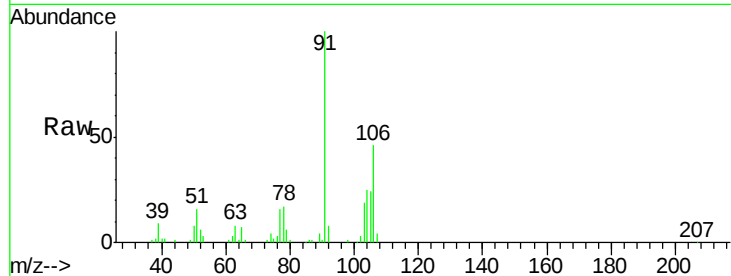
91 216.6 148.7 276.1

Manual Integrations

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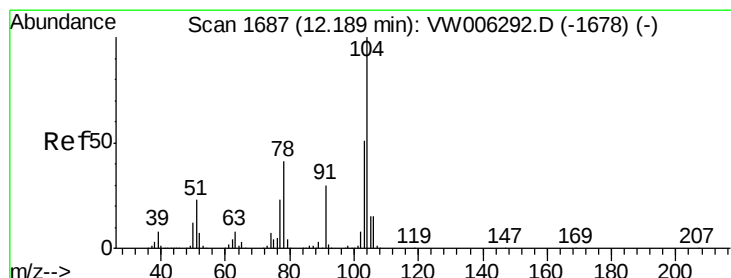
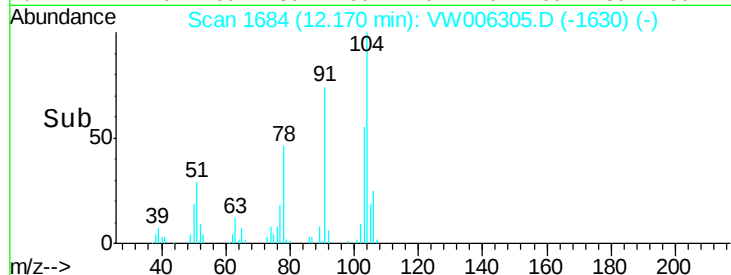
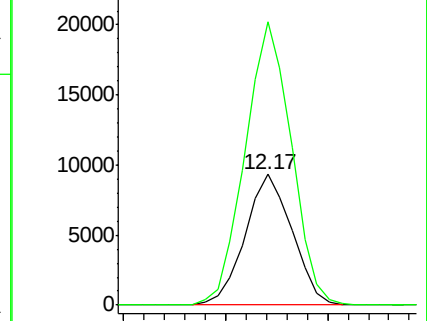
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.922 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW006305.D

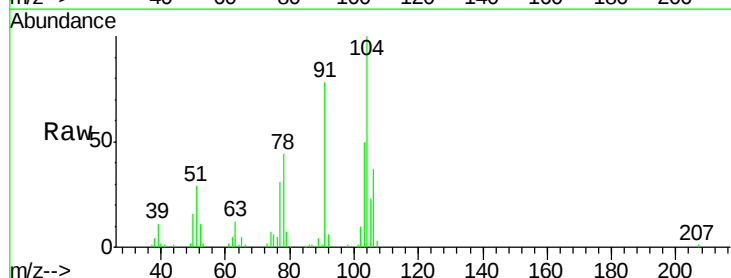
Acq: 23 Oct 2018 19:50

Tgt Ion:104 Resp: 24164

Ion Ratio Lower Upper

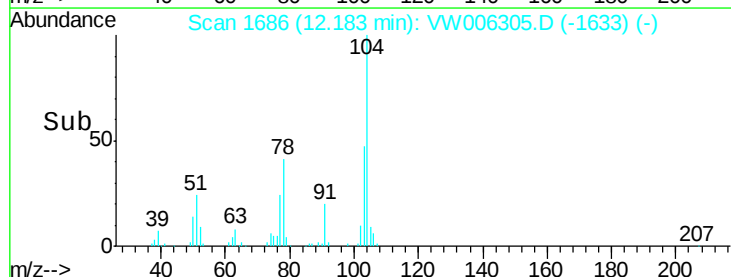
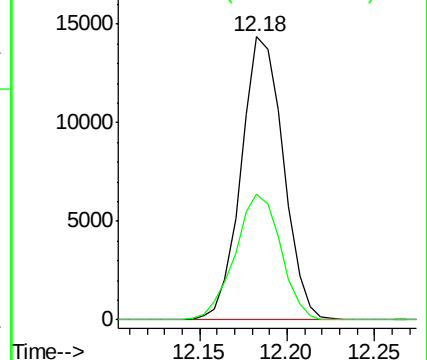
104 100

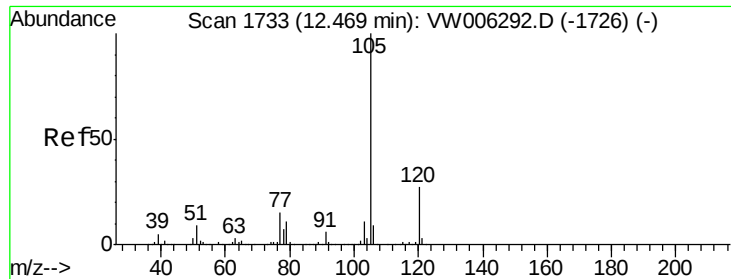
78 44.4 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.099 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006305.D

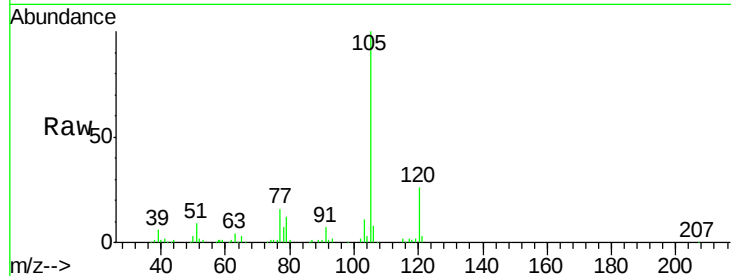
Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

ClientSampleId :

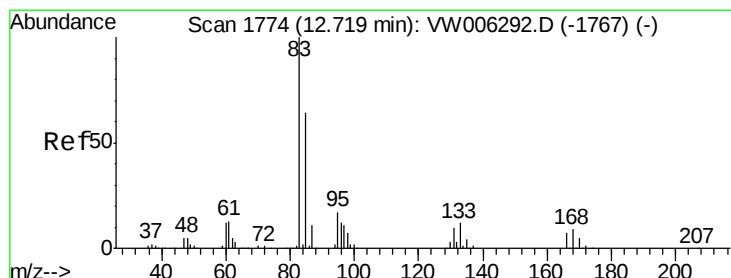
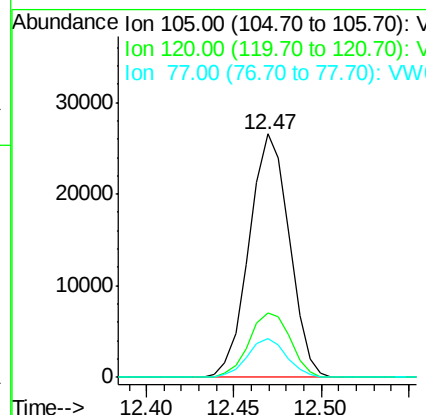
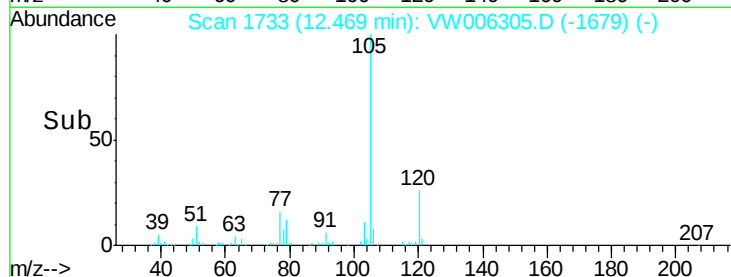
MDL 2 PPB



Tgt Ion:	105	Resp:	42628
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.8	32.6
77	15.6	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

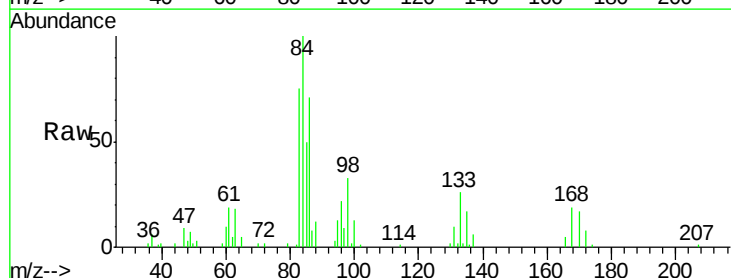
Concen: 2.525 ug/L

RT: 12.72 min Scan# 1774

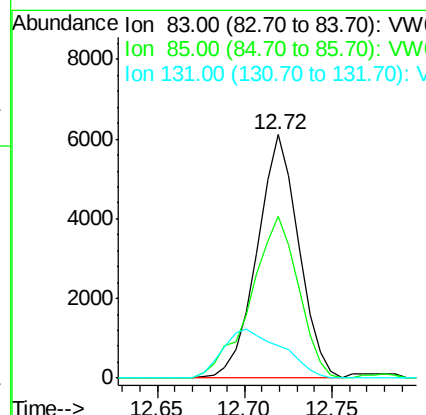
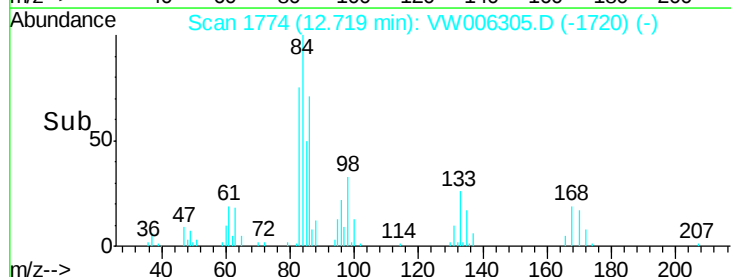
Delta R.T. 0.00 min

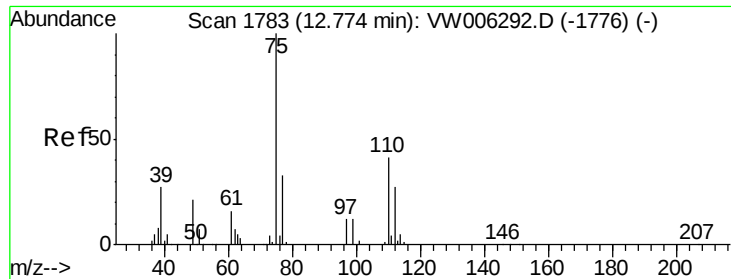
Lab File: VW006305.D

Acq: 23 Oct 2018 19:50



Tgt Ion:	83	Resp:	10113
Ion Ratio	Lower	Upper	
83	100		
85	66.2	44.8	83.2
131	13.2	9.0	13.4





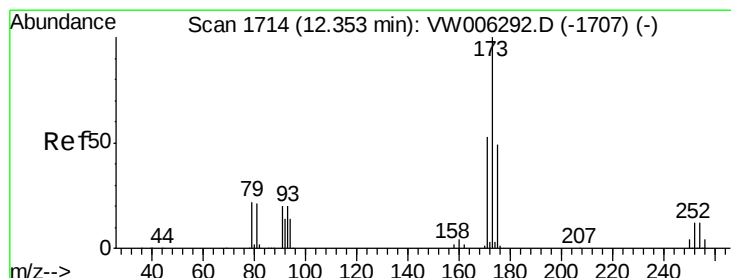
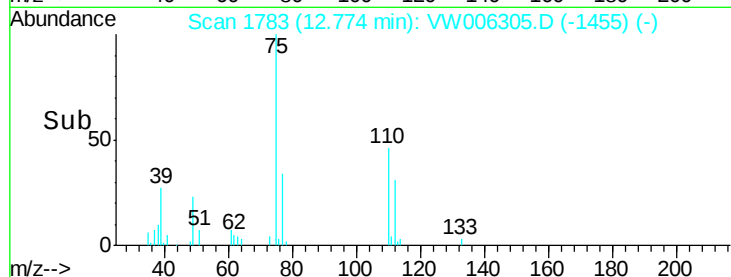
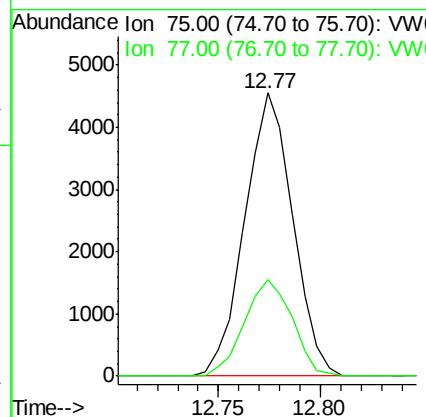
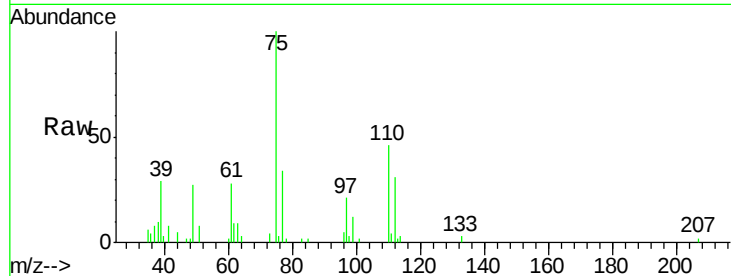
#59
1,2,3-Trichloropropane
Concen: 2.495 ug/L
RT: 12.77 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 75 Resp: 7456
Ion Ratio Lower Upper
75 100
77 34.0 25.9 38.9

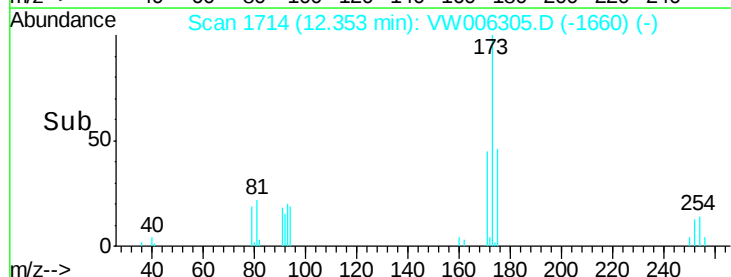
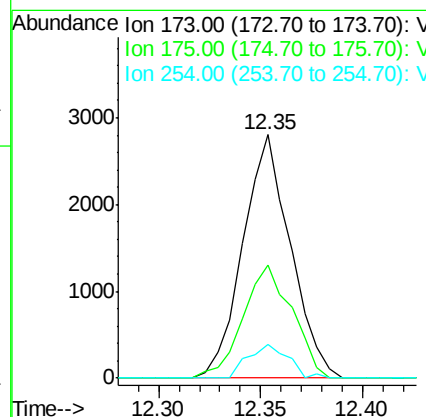
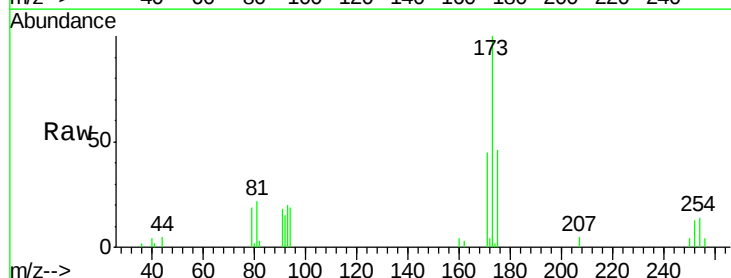
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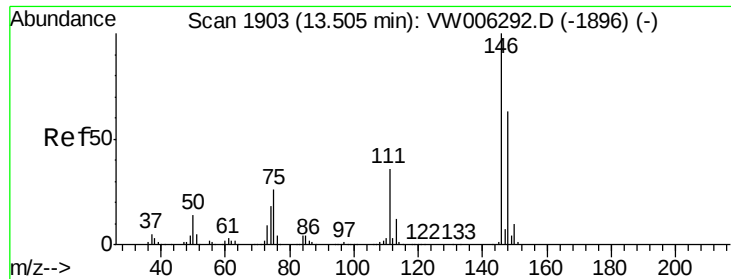
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#62
Bromoform
Concen: 1.804 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion: 173 Resp: 4539
Ion Ratio Lower Upper
173 100
175 47.8 39.1 58.7
254 11.2 9.2 13.8





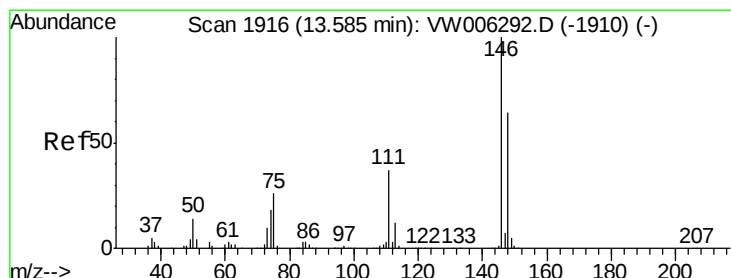
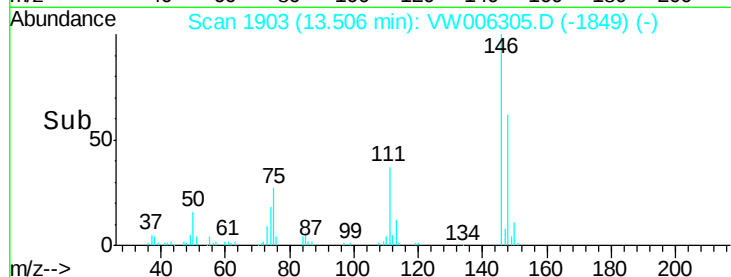
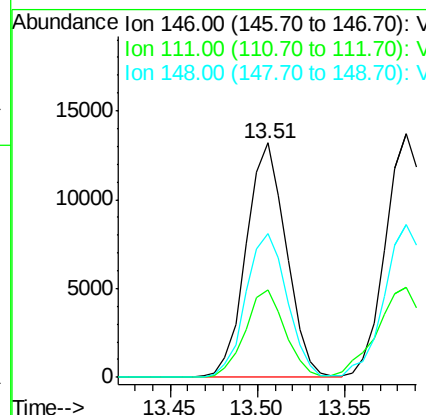
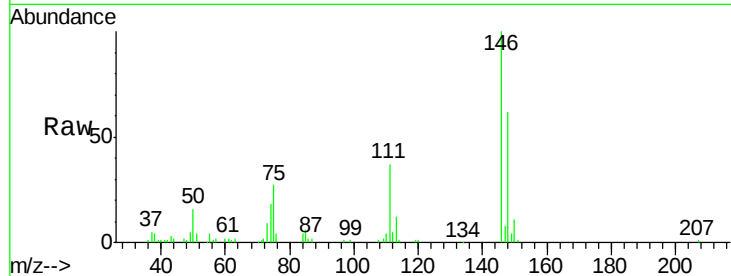
#63
 1,3-Dichlorobenzene
 Concen: 2.276 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	26.3	48.9
148	61.6	44.7	82.9

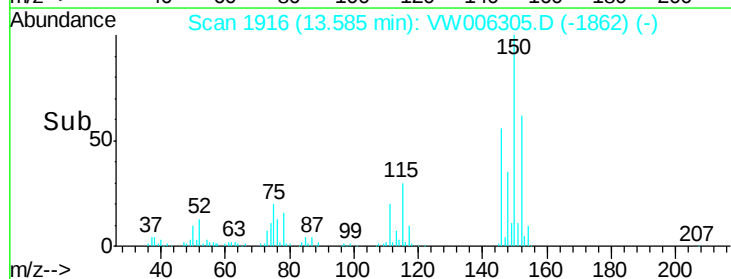
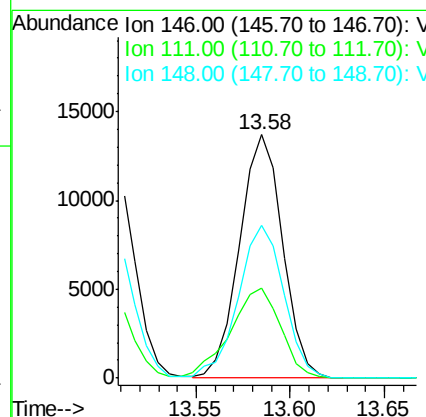
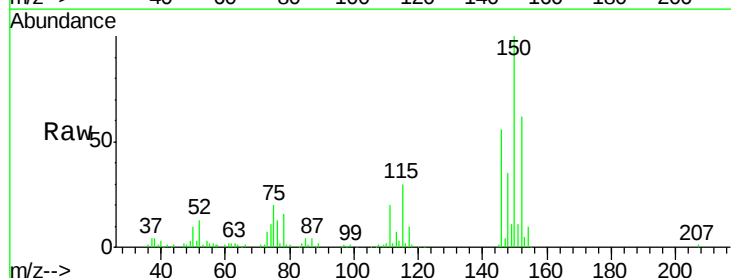
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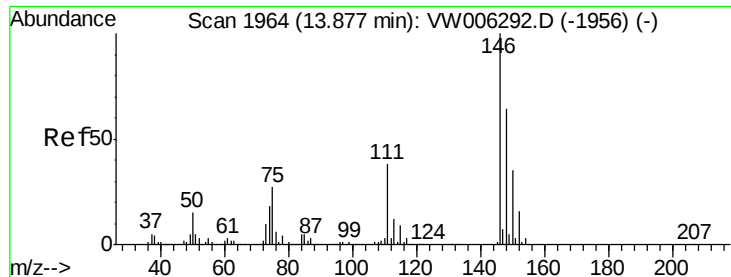
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#64
 1,4-Dichlorobenzene
 Concen: 2.337 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	24.7	45.9
148	62.9	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 2.427 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Instrument :

MSVOA_W

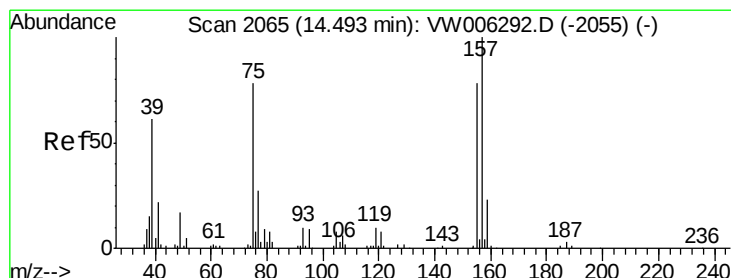
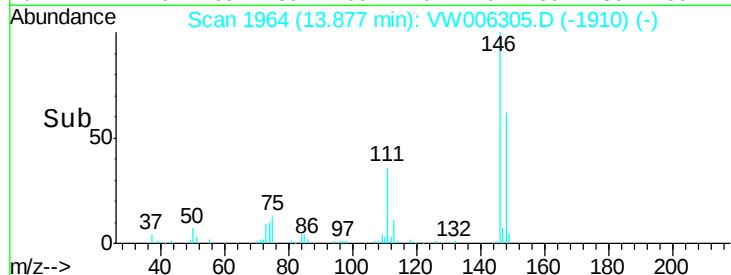
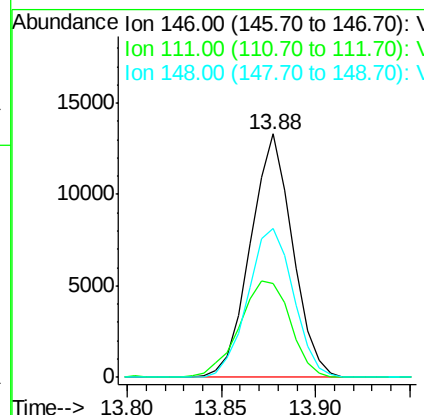
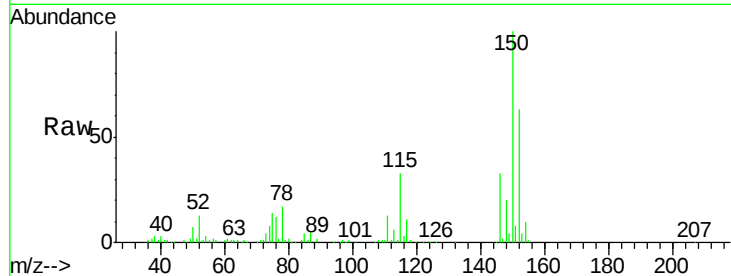
ClientSampleId :

MDL 2 PPB

Tgt Ion:	146	Resp:	20594
Ion Ratio	Lower	Upper	
146	100		
111	38.5	31.1	46.7
148	61.3	51.2	76.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.174 ug/L

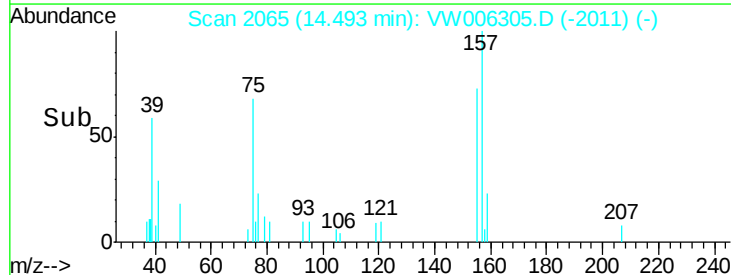
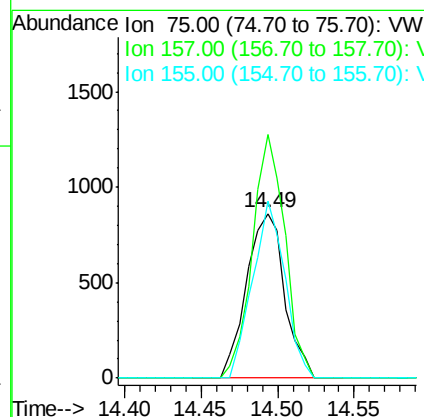
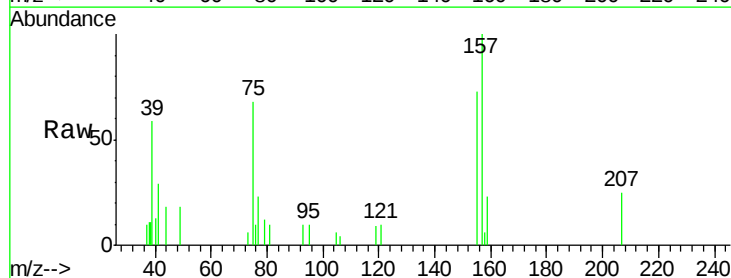
RT: 14.49 min Scan# 2065

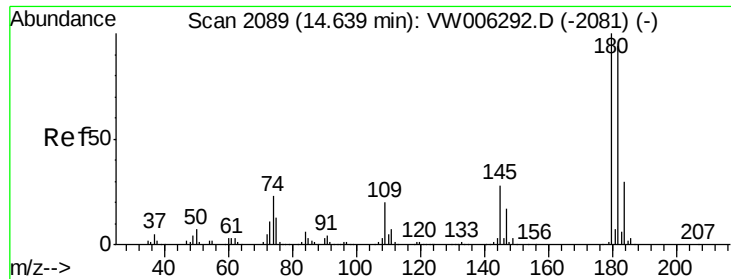
Delta R.T. 0.00 min

Lab File: VW006305.D

Acq: 23 Oct 2018 19:50

Tgt Ion:	75	Resp:	1485
Ion Ratio	Lower	Upper	
75	100		
157	147.9	106.8	160.2
155	107.4	79.2	118.8





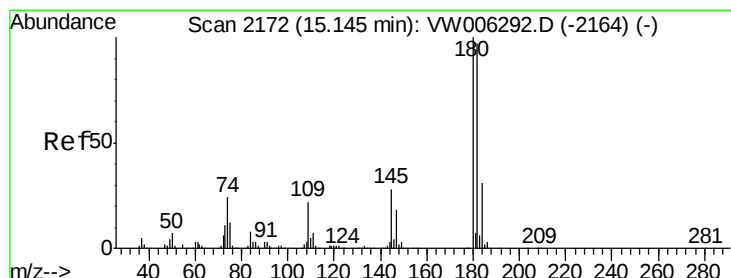
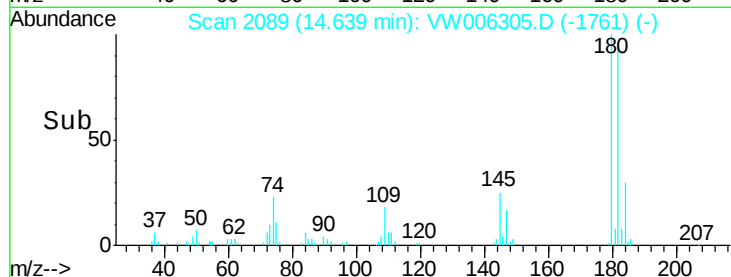
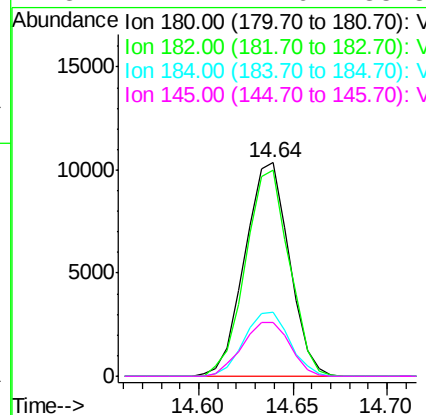
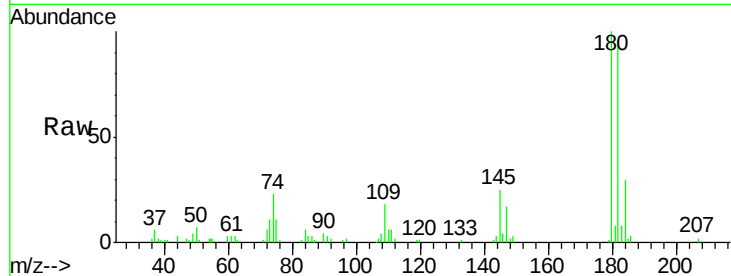
#67
 1,3,5-Trichlorobenzene
 Concen: 2.277 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16929		
182	95.1	76.0	114.0	
184	30.5	24.3	36.5	
145	27.2	22.6	33.8	

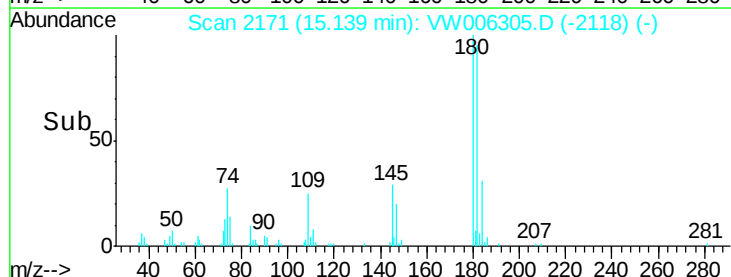
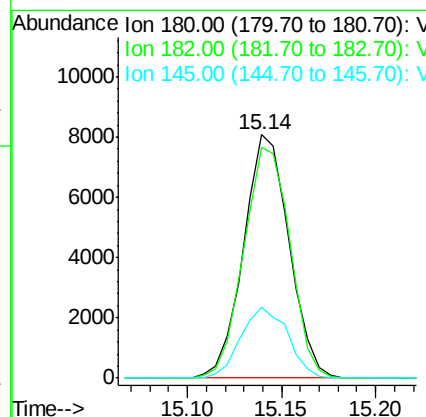
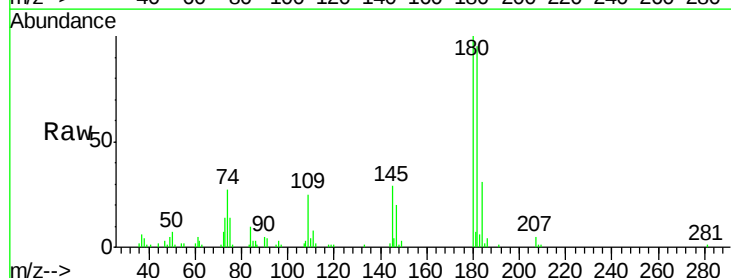
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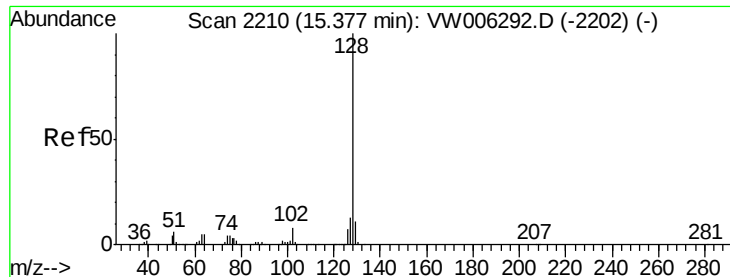
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#68
 1,2,4-trichlorobenzene
 Concen: 2.139 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006305.D
 Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	13560		
182	96.2	76.2	114.2	
145	29.8	23.0	34.6	





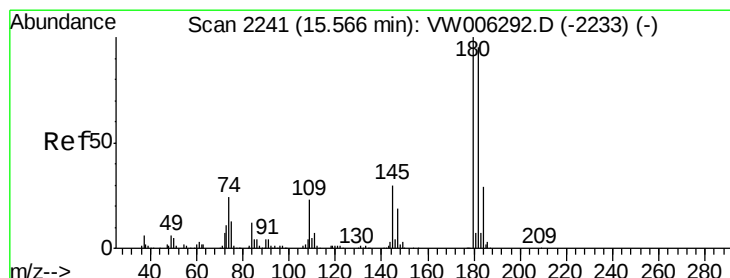
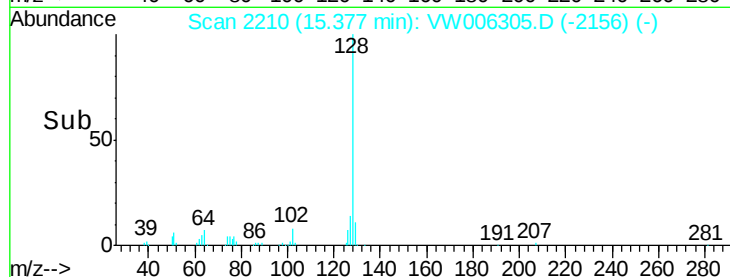
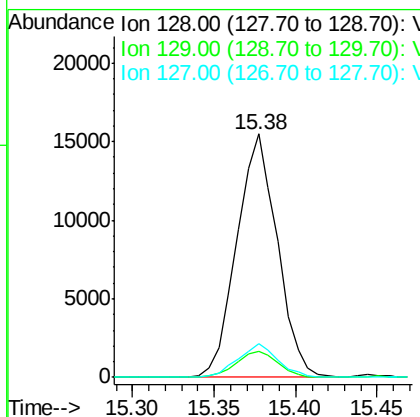
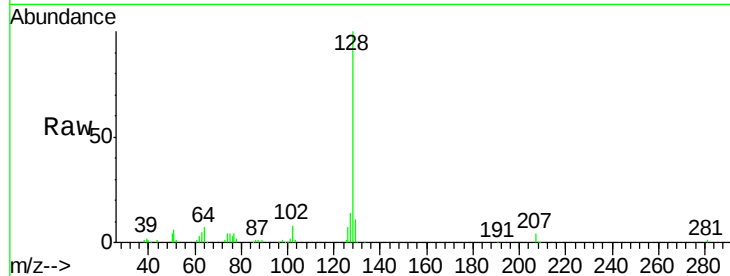
#69
Naphthalene
Concen: 2.086 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	26774		
129	10.8		8.9	13.3
127	13.6		10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 2.178 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006305.D
Acq: 23 Oct 2018 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12403		
182	96.6		75.5	113.3
145	30.0		24.5	36.7

