

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006300.D
 Acq On : 23 Oct 2018 17:41
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:39 PM

Quant Time: Oct 24 04:29:56 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	350965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	175950	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	83463	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.36%
7) Chloroethane-d5	2.90	69	83503	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.01	63	132740	17.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.84%
20) 2-Butanone-d5	7.09	46	58071	44.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
24) Chloroform-d	7.65	84	189234	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	8.31	65	110575	26.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.16%
29) Benzene-d6	8.28	84	384987	25.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.72%
33) 1,2-Dichloropropane-d6	9.28	67	112911	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.84%
37) Toluene-d8	10.33	98	380282	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	10.58	79	45814	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.36%
39) 2-Hexanone-d5	10.93	63	47764	43.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108795	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	162738	26.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	4019m	1.212 ug/L	
3) Chloromethane	2.21	50	4122m	1.265 ug/L	
5) Vinyl chloride	2.37	62	5384	1.025 ug/L #	65
6) Bromomethane	2.79	94	4282	1.047 ug/L	95
8) Chloroethane	2.93	64	3433m	1.067 ug/L	
9) Trichlorofluoromethane	3.26	101	4388m	1.045 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	5834m	1.389 ug/L	
12) 1,1-Dichloroethene	4.03	96	5471m	1.358 ug/L	
13) Acetone	4.14	43	3678m	2.775 ug/L	
14) Carbon disulfide	4.38	76	11136	0.845 ug/L #	92
15) Methyl Acetate	4.68	43	2183m	1.017 ug/L	
16) Methylene chloride	4.92	84	9198	2.030 ug/L	87
17) Methyl tert-butyl Ether	5.43	73	6540	0.997 ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	4424	0.992 ug/L	98
19) 1,1-Dichloroethane	6.22	63	7062	0.978 ug/L	99
21) 2-Butanone	7.18	43	4218	2.395 ug/L #	58
22) cis-1,2-Dichloroethene	7.17	96	4872	1.001 ug/L	98

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

23) Bromochloromethane	7.51	128	2117m	0.925	ug/L	
25) Chloroform	7.68	83	8749	1.126	ug/L #	74
27) 1,2-Dichloroethane	8.40	62	5760	1.087	ug/L #	93
30) Cyclohexane	7.96	56	6381	0.879	ug/L	92
31) 1,1,1-Trichloroethane	7.88	97	6488	0.939	ug/L	98
32) Carbon tetrachloride	8.07	117	6312	0.932	ug/L	97
34) Benzene	8.32	78	17502	1.033	ug/L	100
35) Trichloroethene	9.10	95	4674	0.980	ug/L	98
36) Methylcyclohexane	9.34	83	7852	0.899	ug/L	95
40) 1,2-Dichloropropane	9.37	63	4389	1.044	ug/L	100
41) Bromodichloromethane	9.65	83	4719	0.831	ug/L	93
42) cis-1,3-Dichloropropene	10.08	75	6340	0.923	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	6105	1.812	ug/L	95
44) Toluene	10.39	91	19677	1.034	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	7377	1.230	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3424	0.978	ug/L	98
47) Tetrachloroethene	10.87	164	4476	1.014	ug/L	96
49) 2-Hexanone	10.98	43	3891	1.567	ug/L #	97
50) Dibromochloromethane	11.13	129	3600	0.802	ug/L	93
51) 1,2-Dibromoethane	11.24	107	3414	0.937	ug/L #	98
52) Chlorobenzene	11.66	112	13029	1.012	ug/L	95
53) Ethylbenzene	11.74	91	21334	0.963	ug/L	97
54) m,p-Xylene	11.84	106	7943	0.915	ug/L	98
55) o-xylene	12.16	106	7496	0.904	ug/L	83
56) Styrene	12.19	104	12153	0.851	ug/L	92
57) Isopropylbenzene	12.47	105	20618	0.894	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	4821	1.060	ug/L #	88
59) 1,2,3-Trichloropropane	12.77	75	3444	1.015	ug/L	100
62) Bromoform	12.35	173	2164	0.734	ug/L #	94
63) 1,3-Dichlorobenzene	13.51	146	10580	0.979	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	11114	1.021	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	10361	1.042	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	730m	0.912	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	8674	0.996	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7332	0.987	ug/L	99
69) Naphthalene	15.38	128	11892	0.791	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	6339	0.950	ug/L	97

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

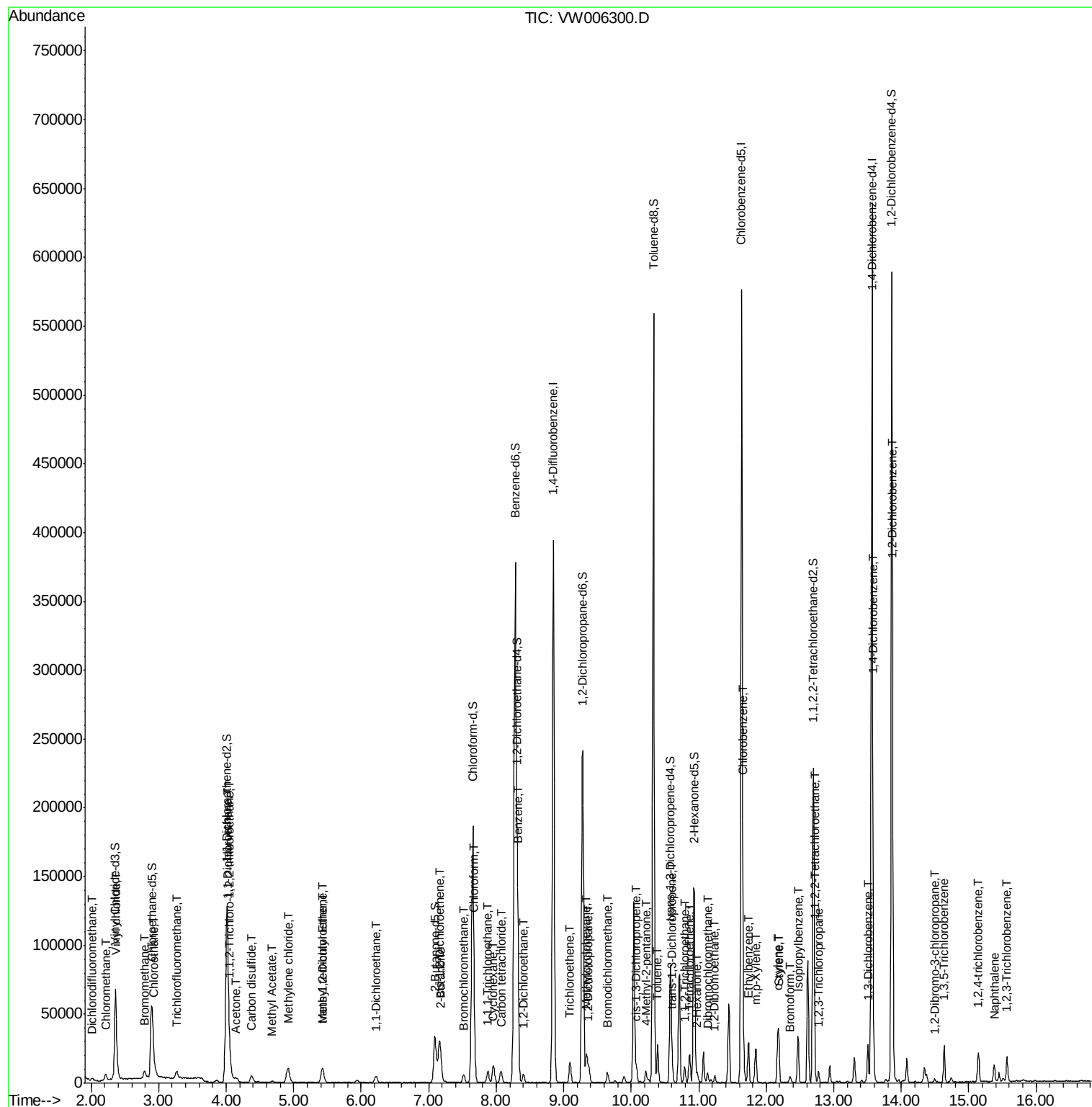
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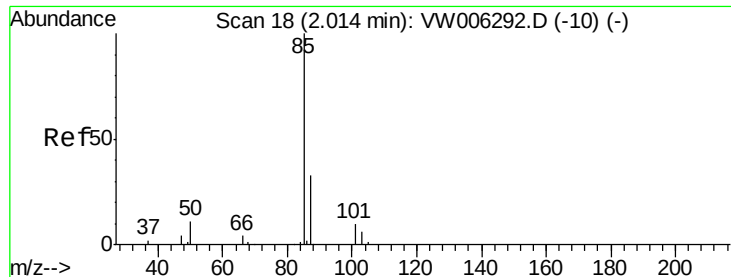
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ClientSampled :
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#2

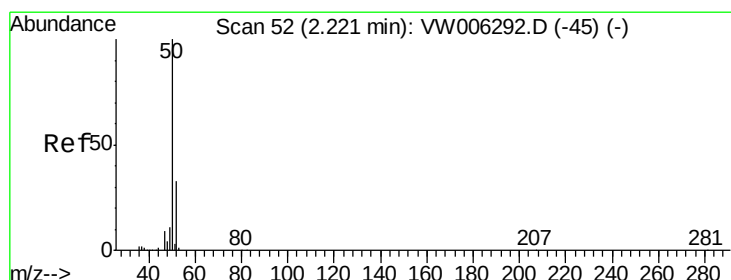
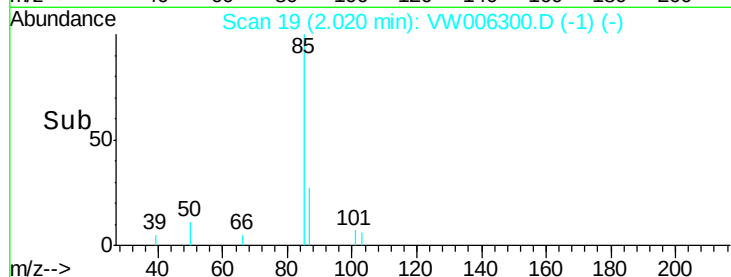
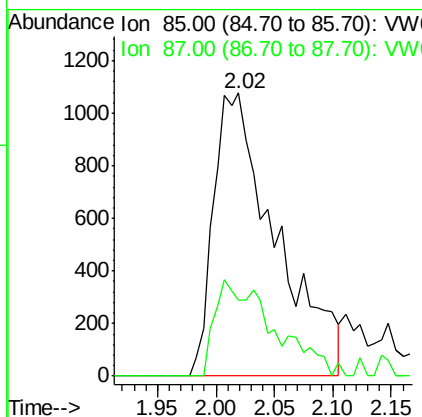
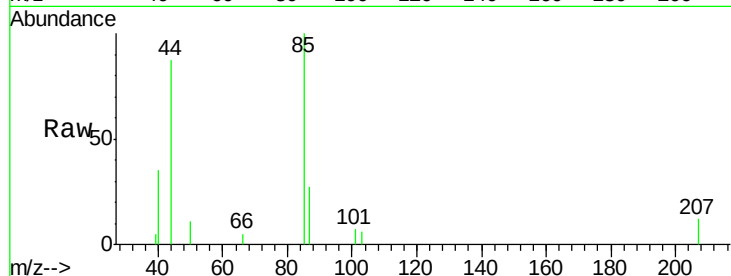
Dichlorodifluoromethane
Concen: 1.212 ug/L m
RT: 2.02 min Scan# 19
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 85 Resp: 4019
Ion Ratio Lower Upper
85 100
87 15.7 19.2 35.6#

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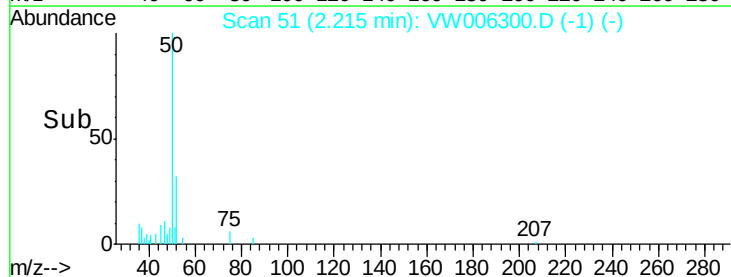
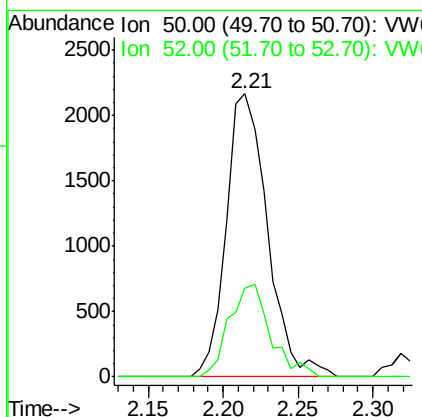
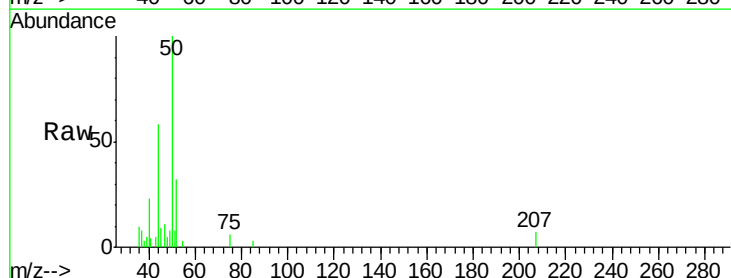
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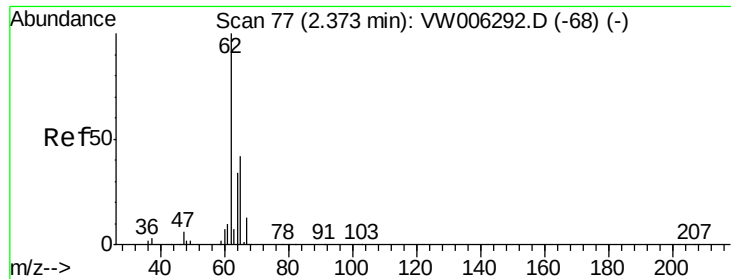


#3

Chloromethane
Concen: 1.265 ug/L m
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion: 50 Resp: 4122
Ion Ratio Lower Upper
50 100
52 31.5 22.3 41.3





#5

Vinyl chloride

Concen: 1.025 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 62 Resp: 5384

Ion Ratio Lower Upper

62 100

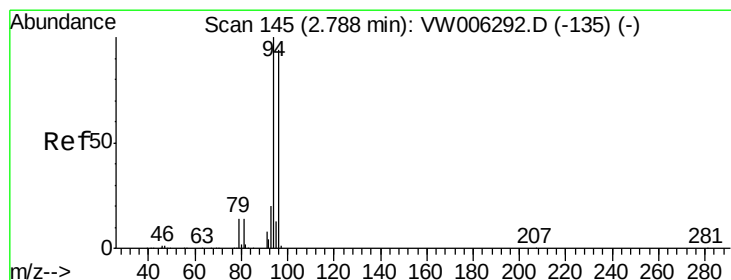
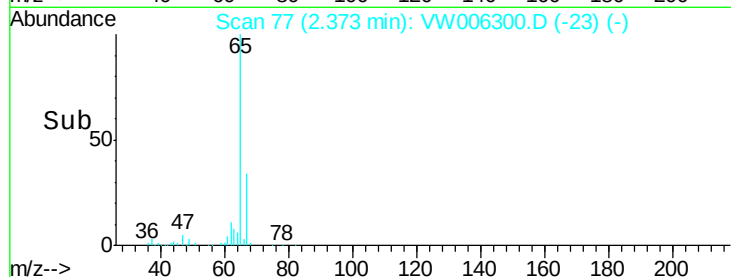
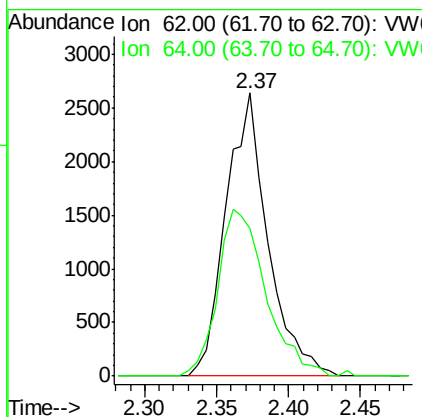
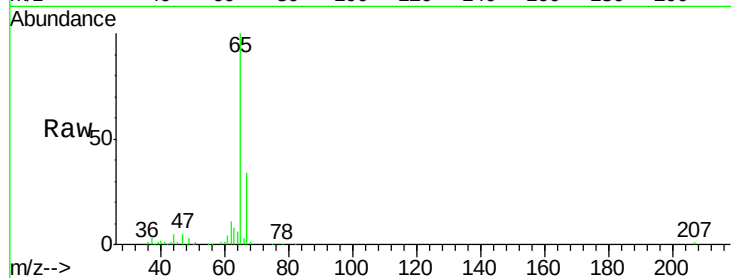
64 52.0 22.7 42.3#

Manual Integrations

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#6

Bromomethane

Concen: 1.047 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW006300.D

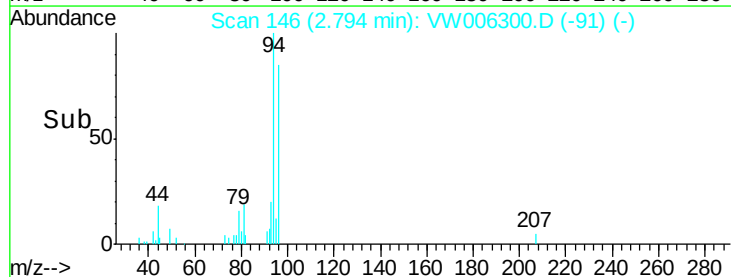
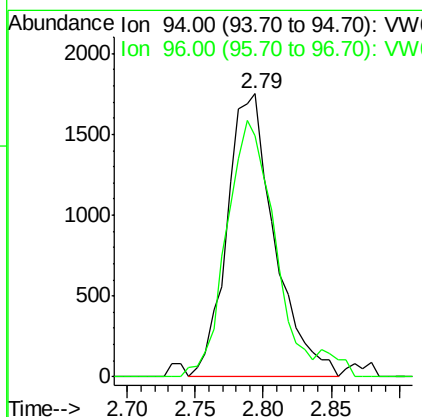
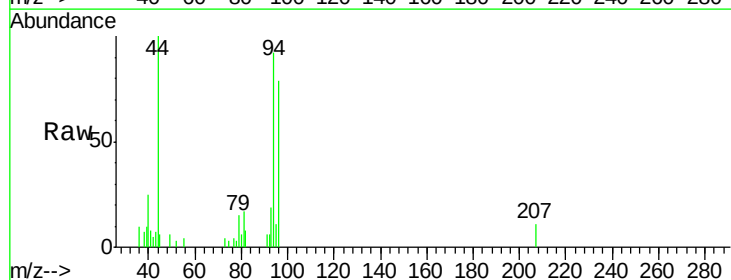
Acq: 23 Oct 2018 17:41

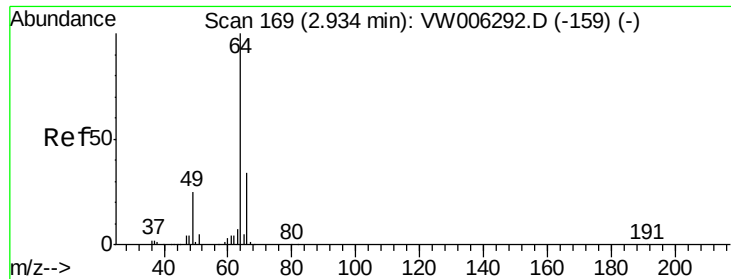
Tgt Ion: 94 Resp: 4282

Ion Ratio Lower Upper

94 100

96 90.3 9.5 181.3





#8

Chloroethane

Concen: 1.067 ug/L m

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 64 Resp: 3433

Ion Ratio Lower Upper

64 100

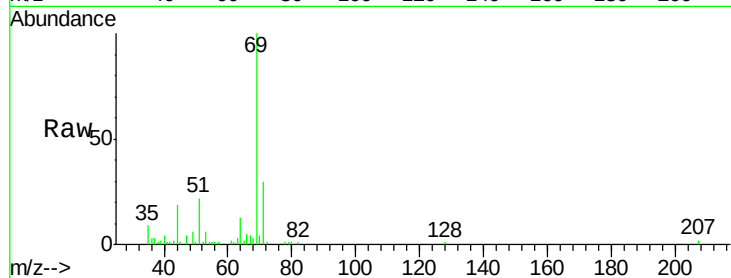
66 37.8 22.7 42.1

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

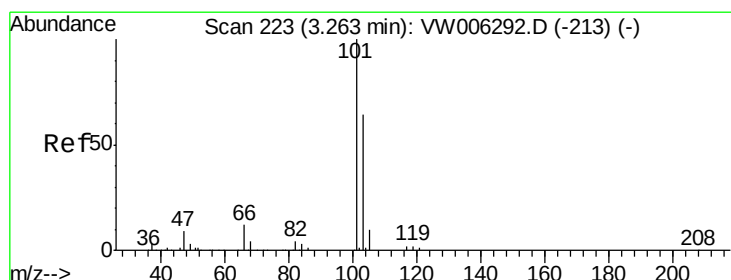
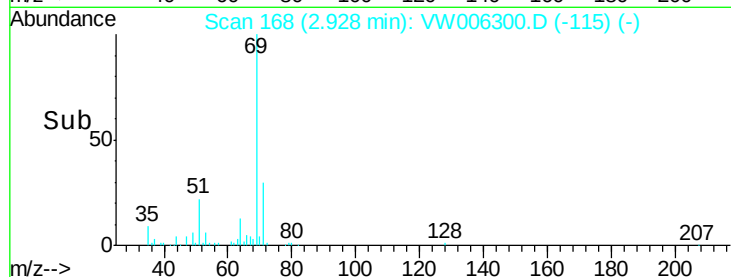
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.045 ug/L m

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006300.D

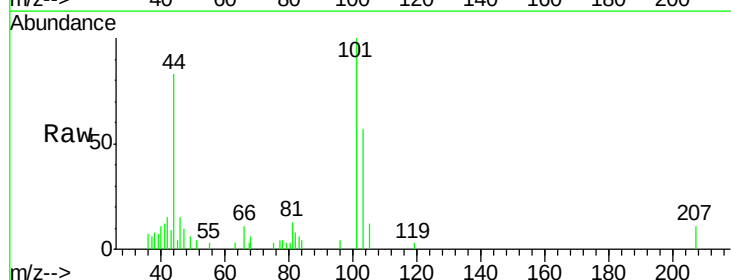
Acq: 23 Oct 2018 17:41

Tgt Ion: 101 Resp: 4388

Ion Ratio Lower Upper

101 100

103 65.2 45.6 84.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2000

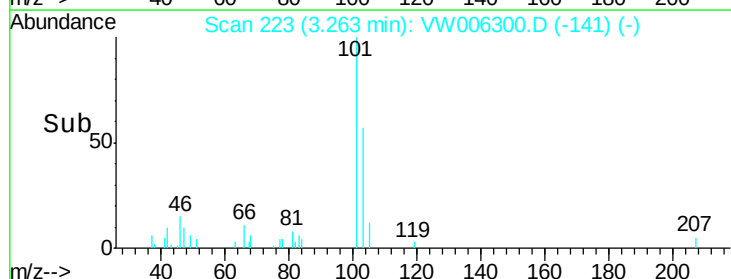
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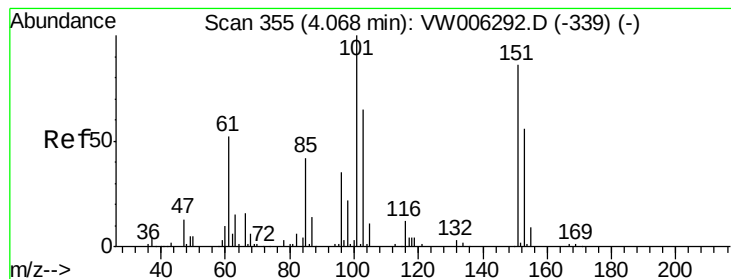
1000

500

0

Time-->





#11

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

Concen: 1.389 ug/L m

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

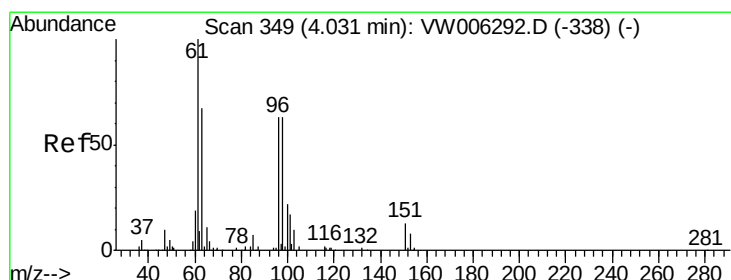
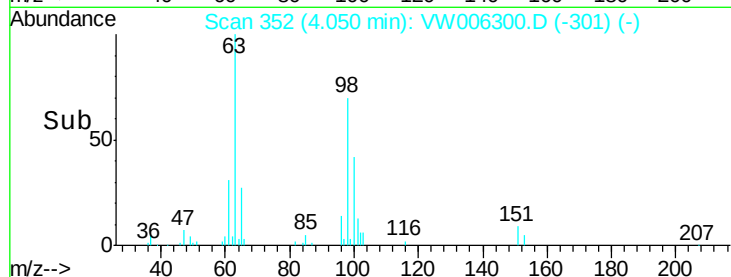
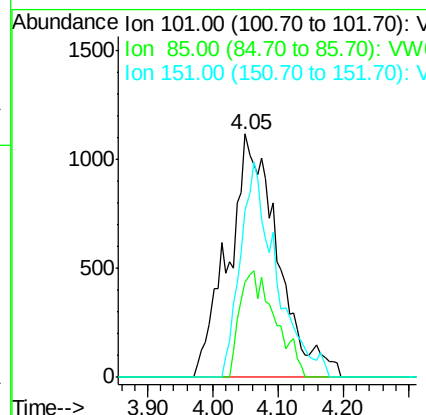
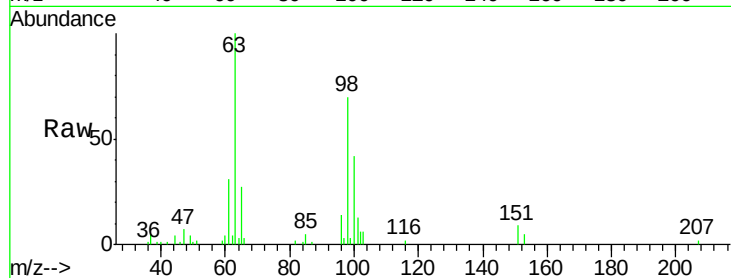
ClientSampleId :

MDL

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	5834		
85	15.7	33.4	50.2#	
151	44.2	68.7	103.1#	

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.358 ug/L m

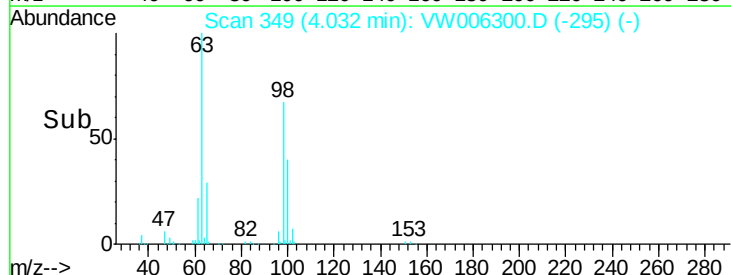
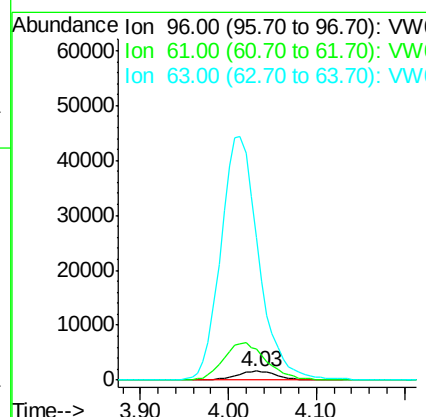
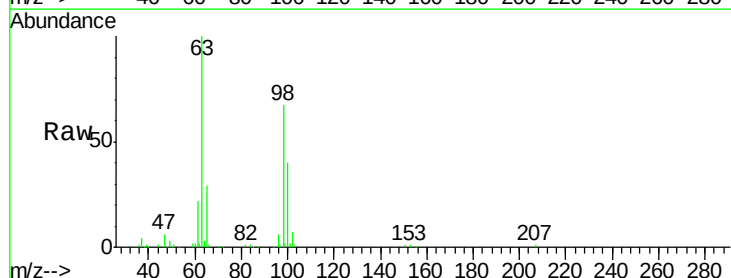
RT: 4.03 min Scan# 349

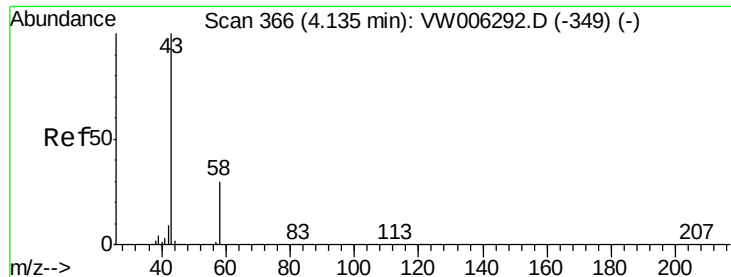
Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	5471		
61	339.9	112.3	208.7#	
63	1569.5	102.6	190.6#	





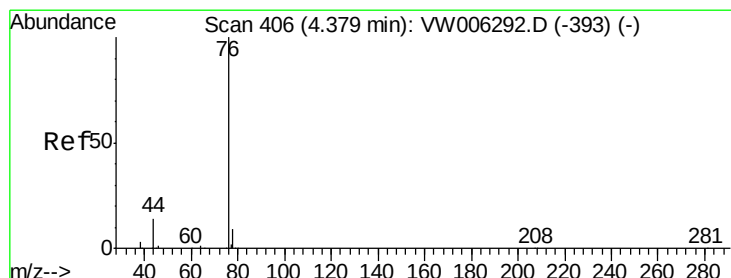
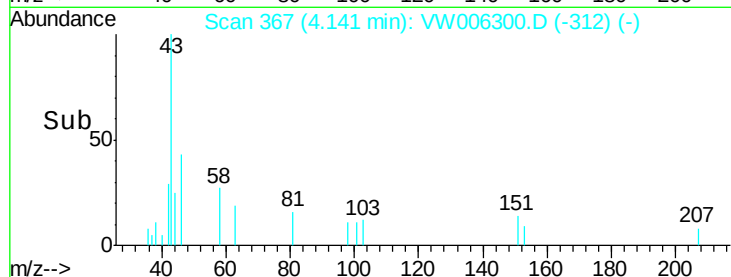
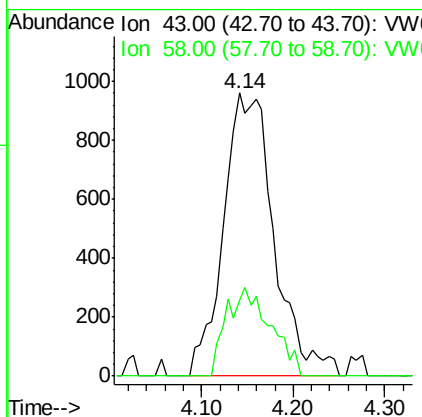
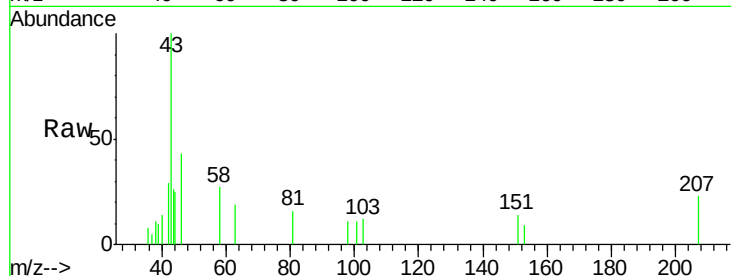
#13
Acetone
Concen: 2.775 ug/L m
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 43 Resp: 3678
Ion Ratio Lower Upper
43 100
58 20.1 0.0 61.2

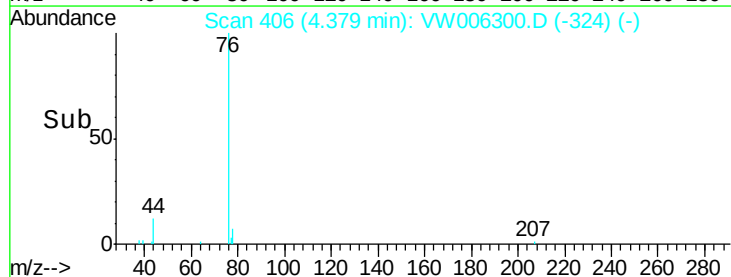
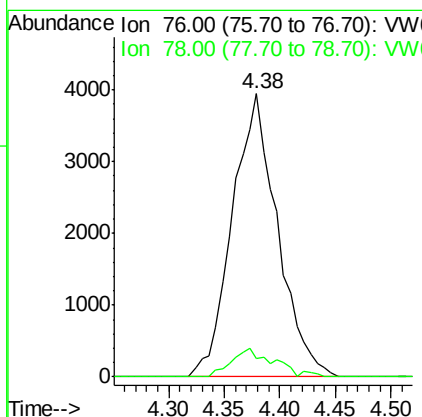
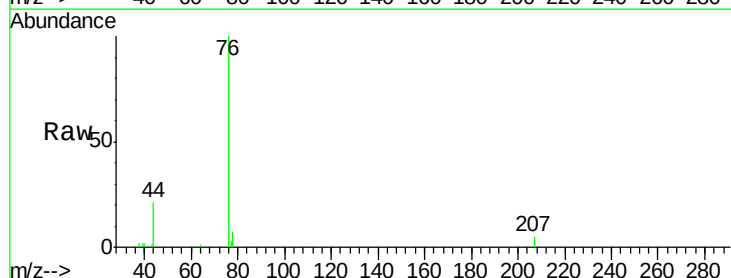
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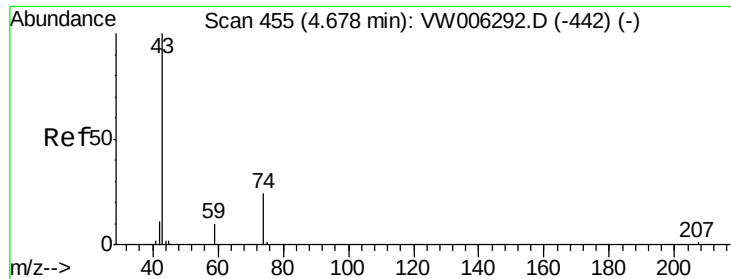
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#14
Carbon disulfide
Concen: 0.845 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion: 76 Resp: 11136
Ion Ratio Lower Upper
76 100
78 6.5 7.6 11.4#





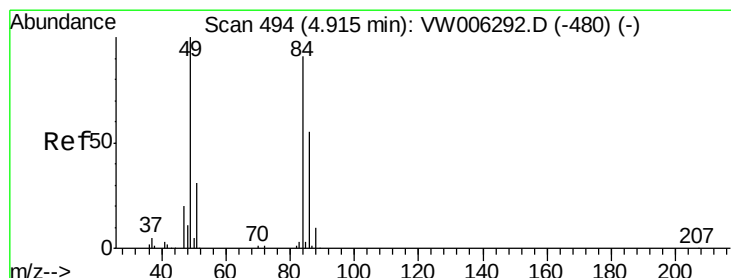
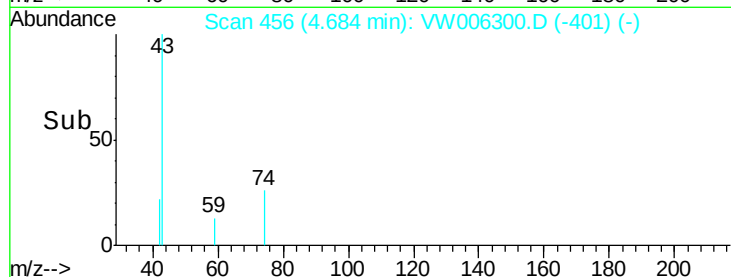
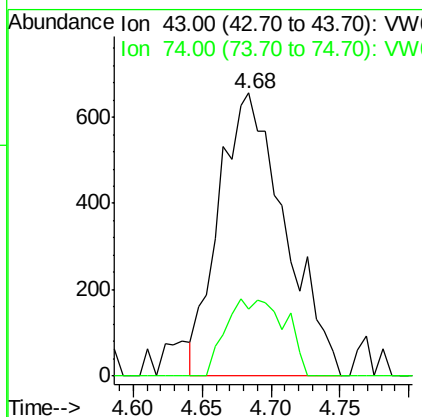
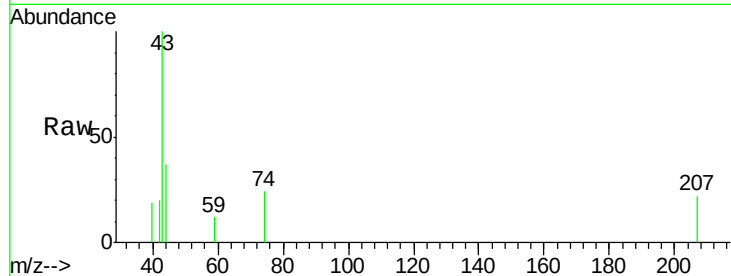
#15
Methyl Acetate
Concen: 1.017 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
74 10.8 19.4 29.2#

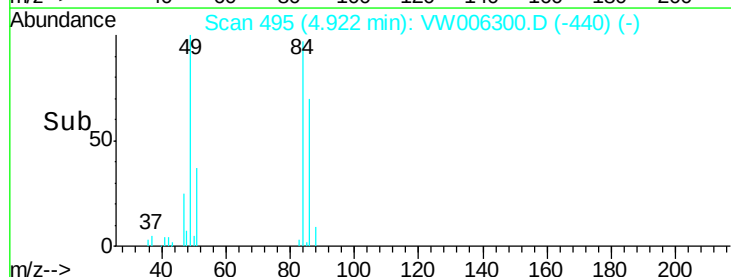
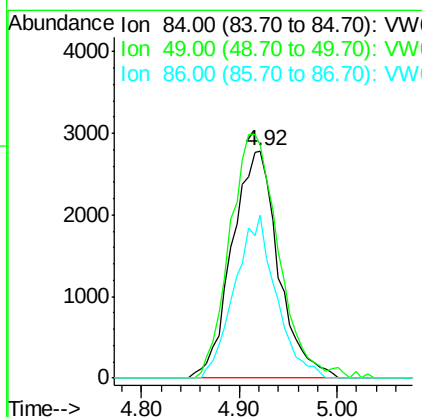
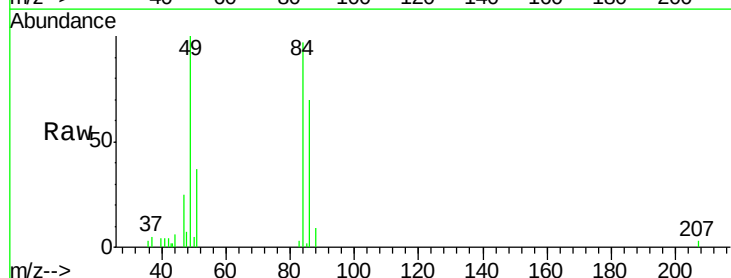
Manual Integrations
APPROVED

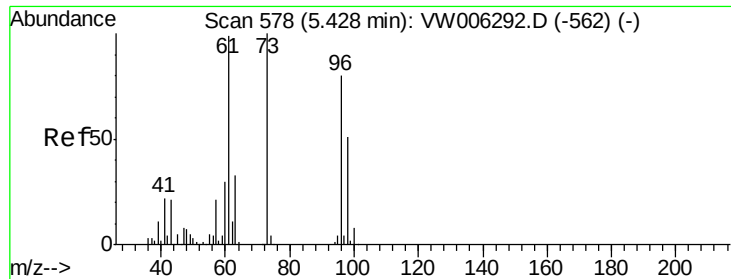
MMDadoda
10/24/2018 2:07:39 PM



#16
Methylene chloride
Concen: 2.030 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion: 84 Resp: 9198
Ion Ratio Lower Upper
84 100
49 102.6 83.5 155.1
86 71.9 44.9 83.5





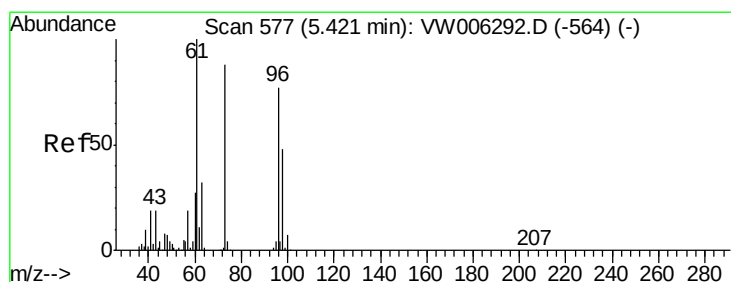
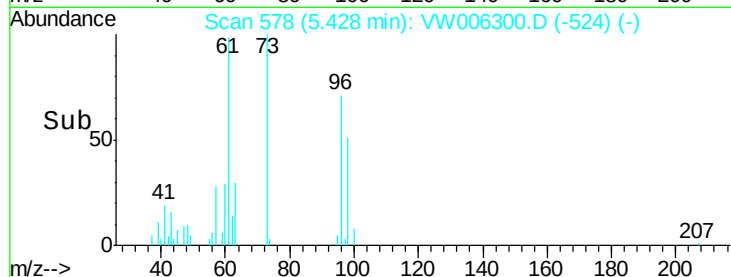
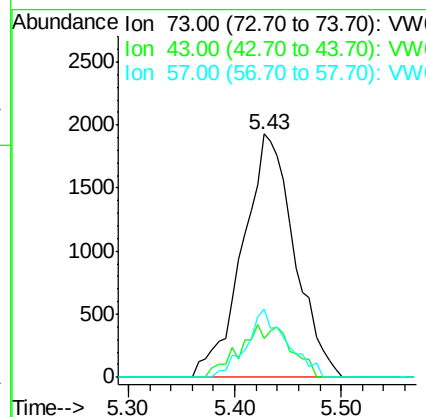
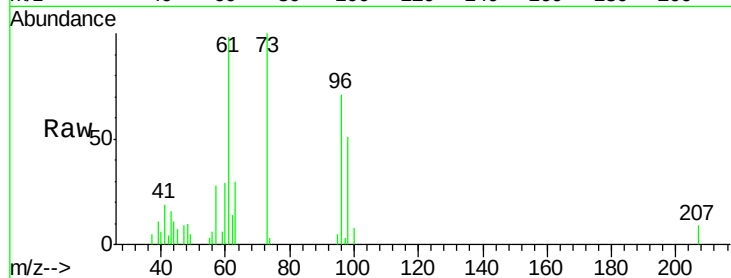
#17
Methyl tert-butyl Ether
Concen: 0.997 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.1	17.0	25.4#
57	21.9	17.1	25.7

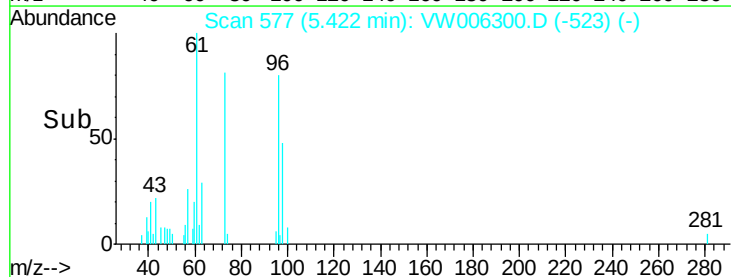
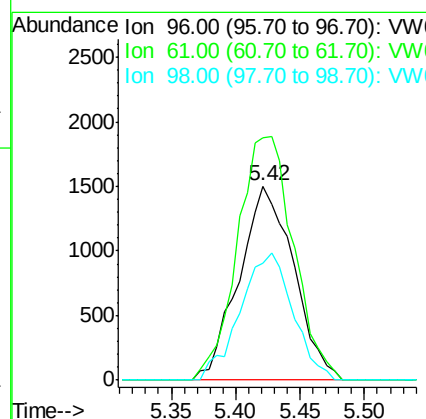
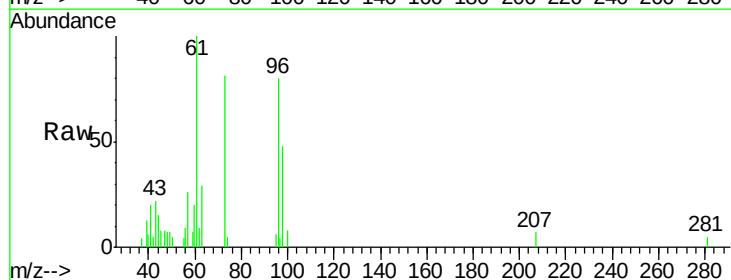
Manual Integrations
APPROVED

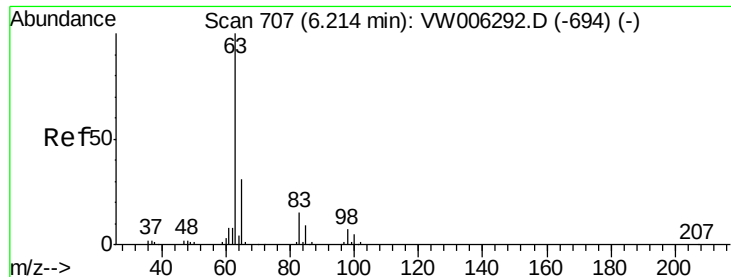
MMDadoda
10/24/2018 2:07:39 PM



#18
trans-1,2-Dichloroethene
Concen: 0.992 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.5	89.0	165.2
98	60.0	42.4	78.6





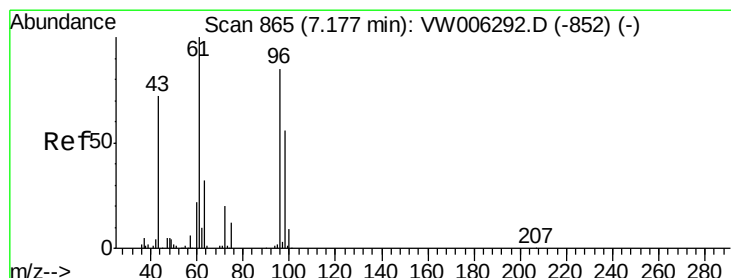
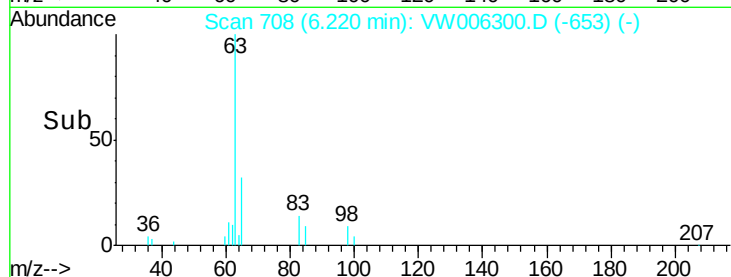
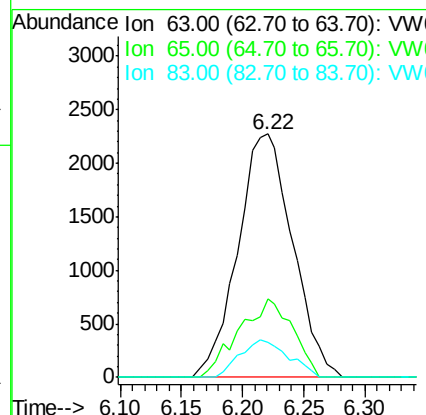
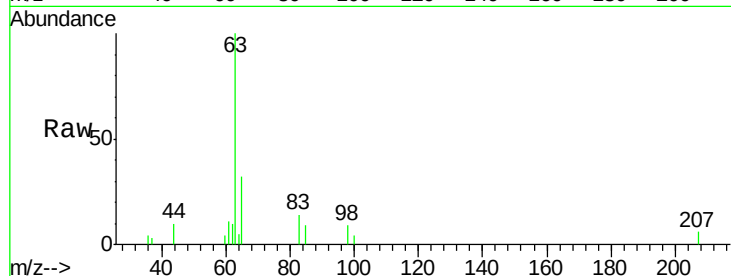
#19
 1,1-Dichloroethane
 Concen: 0.978 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.3	41.5
83	14.3	9.7	18.1

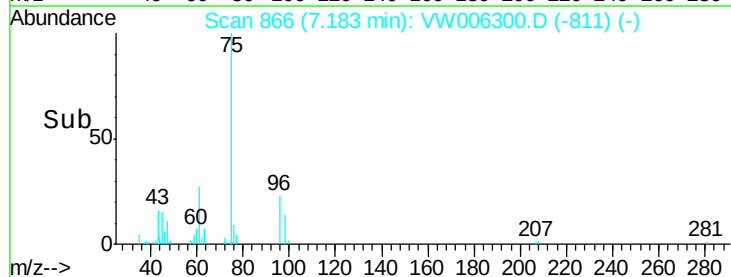
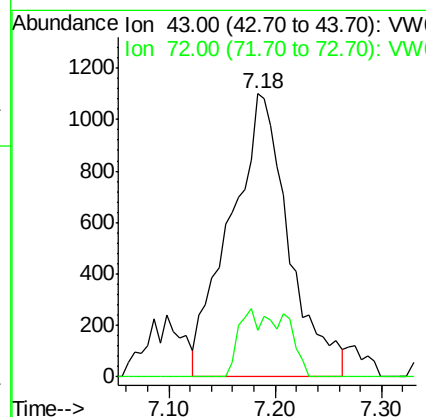
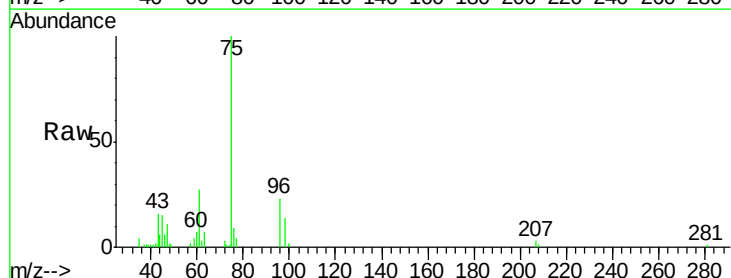
Manual Integrations
 APPROVED

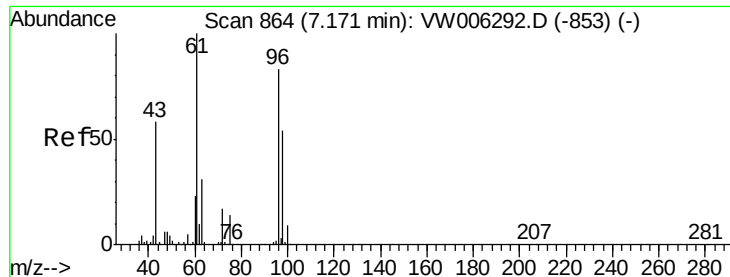
MMDadoda
 10/24/2018 2:07:39 PM



#21
 2-Butanone
 Concen: 2.395 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	5.6	13.8	41.4#





#22

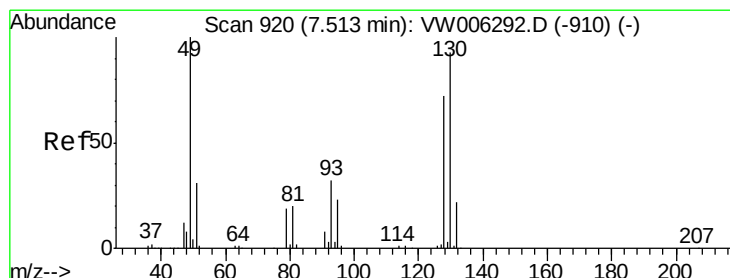
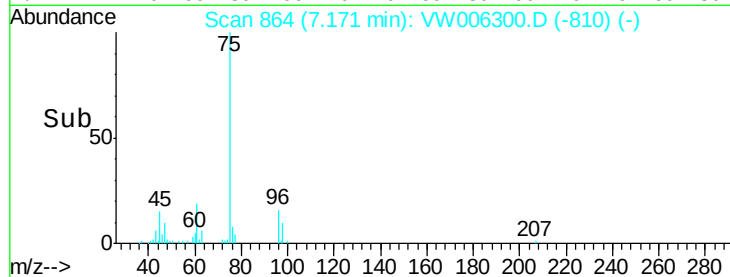
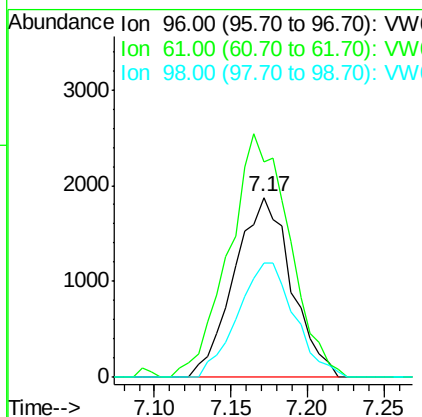
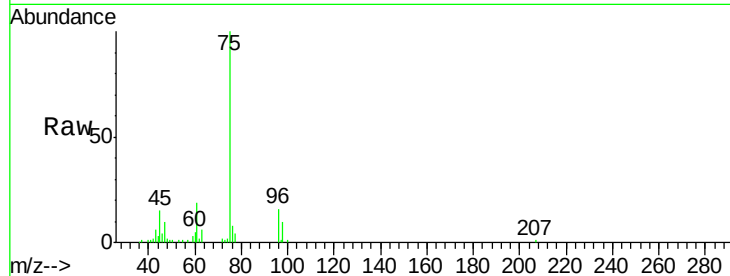
cis-1,2-Dichloroethene
Concen: 1.001 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.1	85.1	158.1
98	63.5	46.3	86.1

Manual Integrations
APPROVED

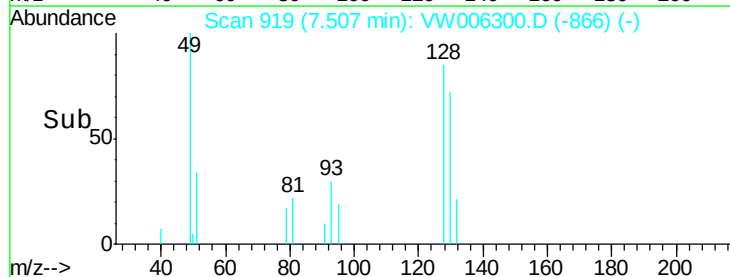
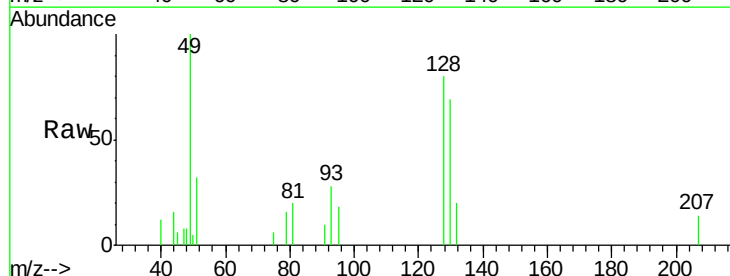
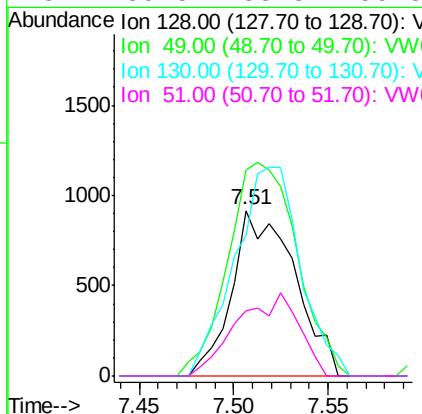
MMDadoda
10/24/2018 2:07:39 PM

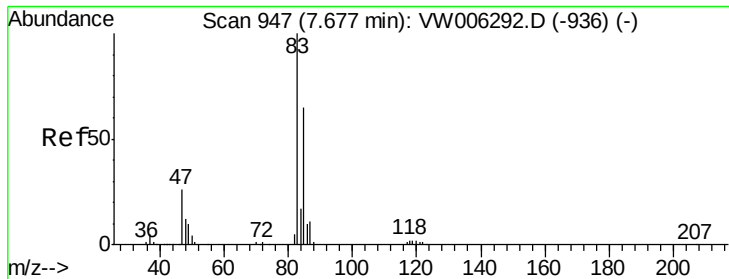


#23

Bromochloromethane
Concen: 0.925 ug/L m
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	124.5	95.2	176.8
130	85.3	86.3	160.3#
51	39.5	33.8	50.8





#25

Chloroform

Concen: 1.126 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 83 Resp: 8749

Ion Ratio Lower Upper

83 100

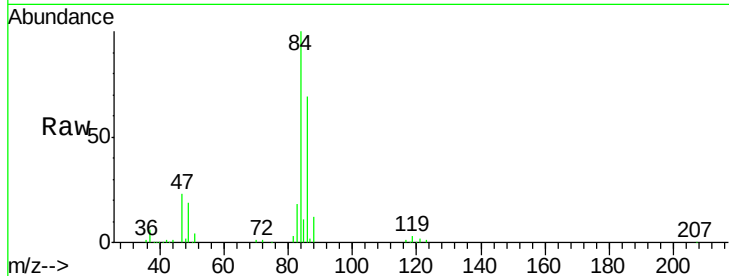
85 87.1 46.3 85.9#

Manual Integrations

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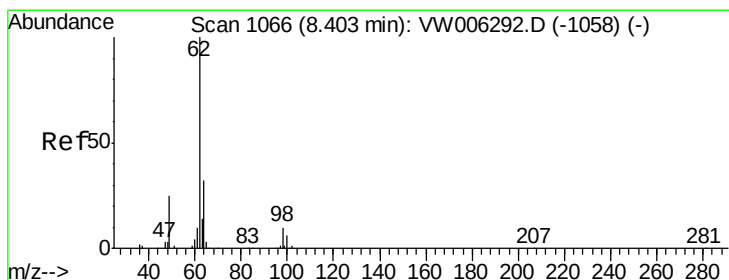
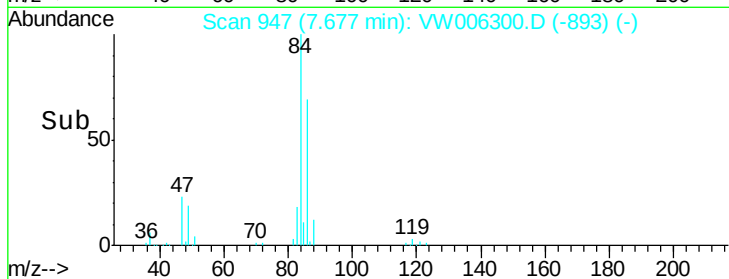
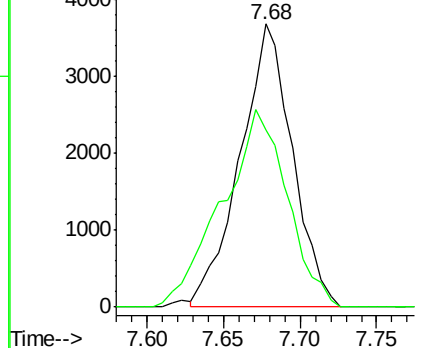
MMDadoda

10/24/2018 2:07:39 PM



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 1.087 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006300.D

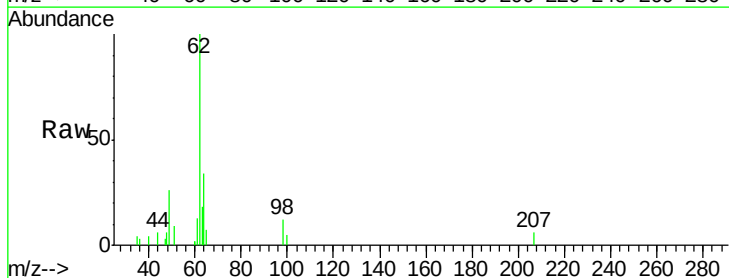
Acq: 23 Oct 2018 17:41

Tgt Ion: 62 Resp: 5760

Ion Ratio Lower Upper

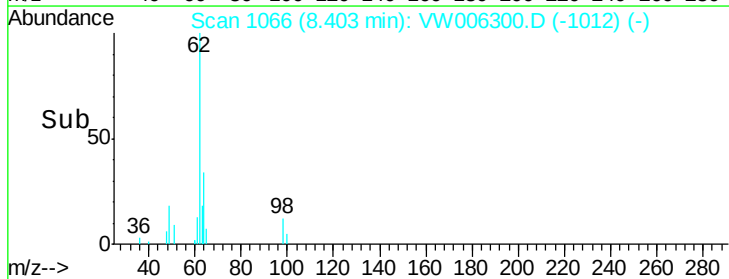
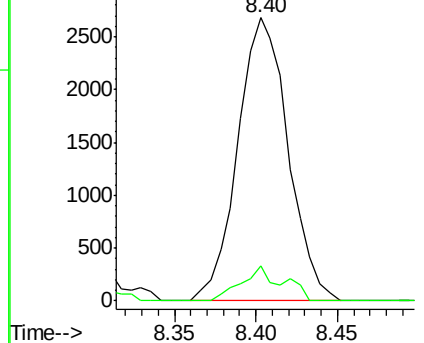
62 100

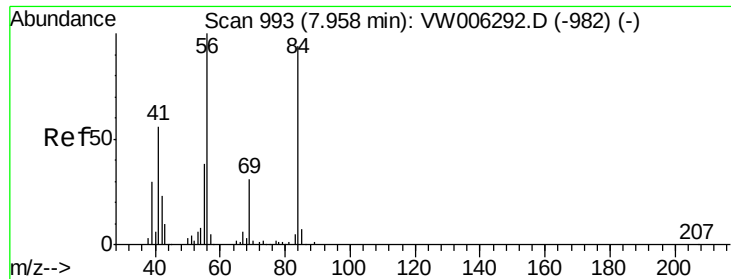
98 12.4 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





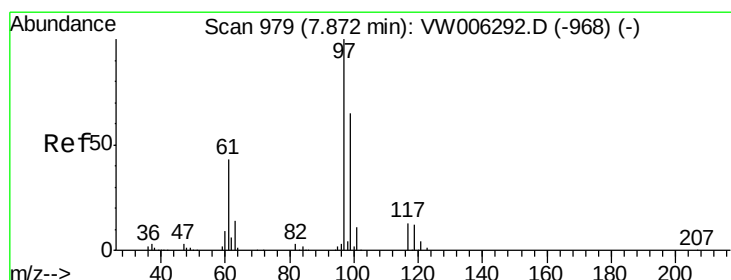
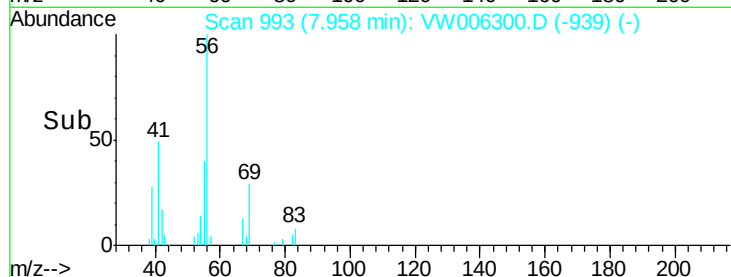
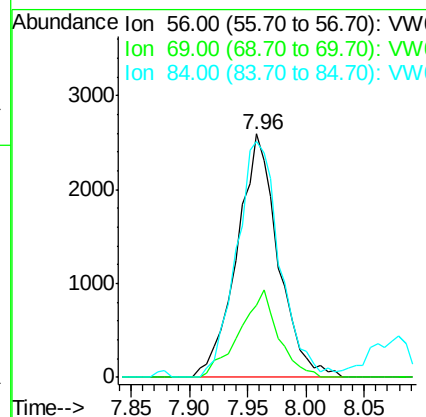
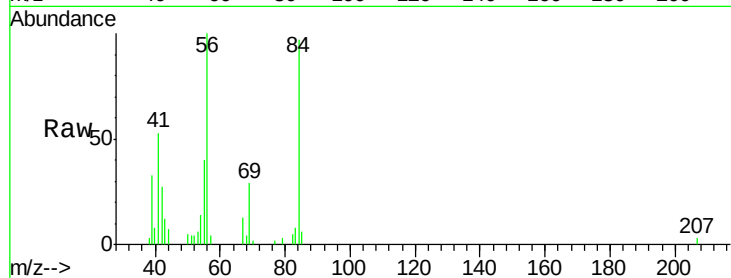
#30
Cyclohexane
Concen: 0.879 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.4	38.0
84	100.9	73.9	110.9

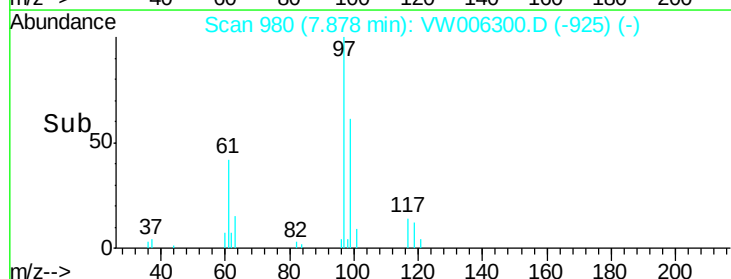
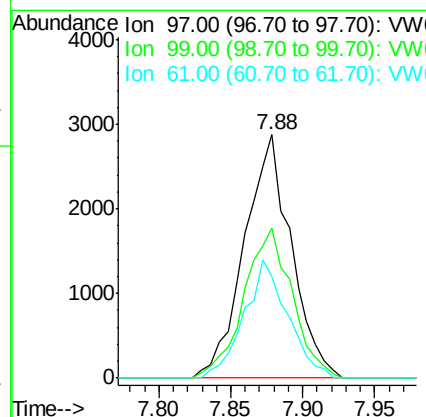
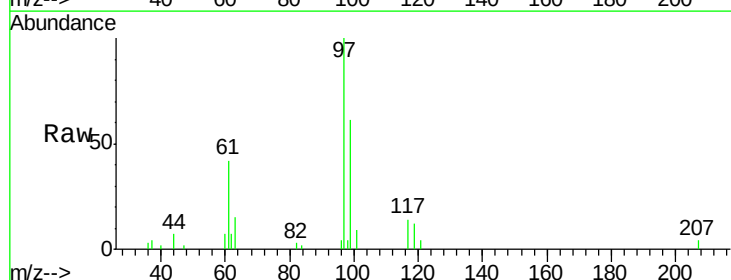
Manual Integrations
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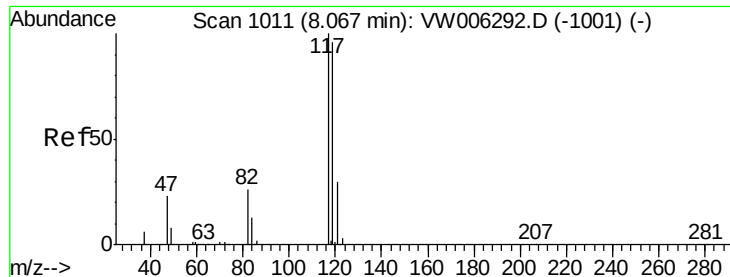
MMDadoda
10/24/2018 2:07:39 PM



#31
1,1,1-Trichloroethane
Concen: 0.939 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	45.2	33.6	50.4





#32

Carbon tetrachloride

Concen: 0.932 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 117 Resp: 6312

Ion Ratio Lower Upper

117 100

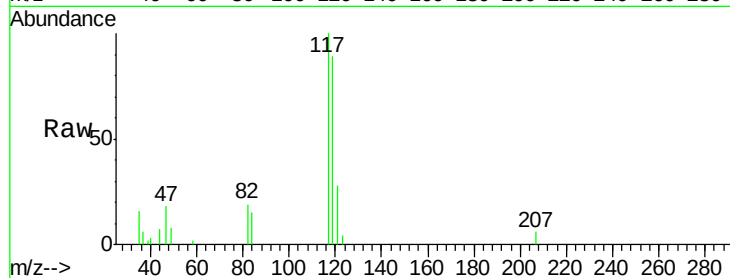
119 92.9 76.9 115.3

Manual Integrations

APPROVED

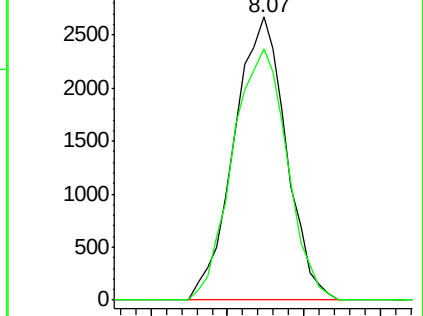
MMDadoda

10/24/2018 2:07:39 PM

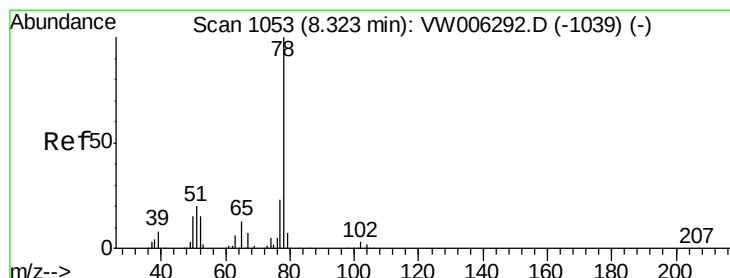
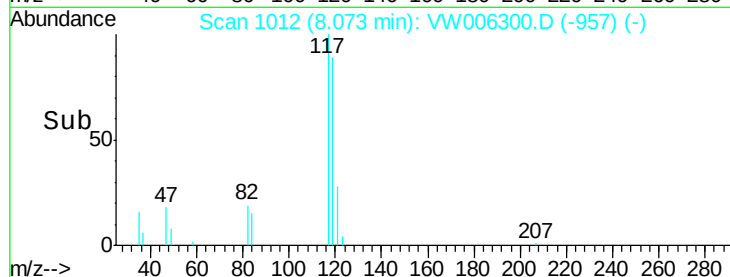


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 1.033 ug/L

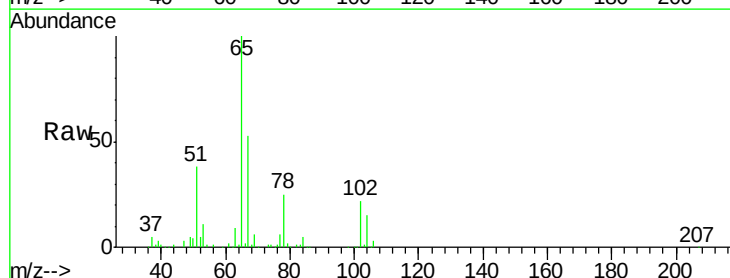
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

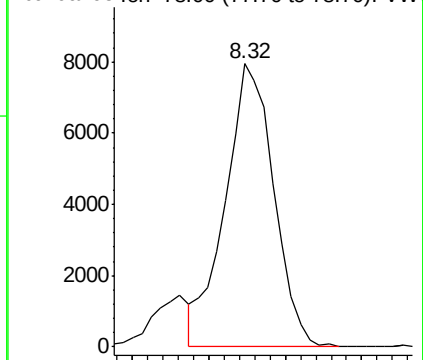
Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

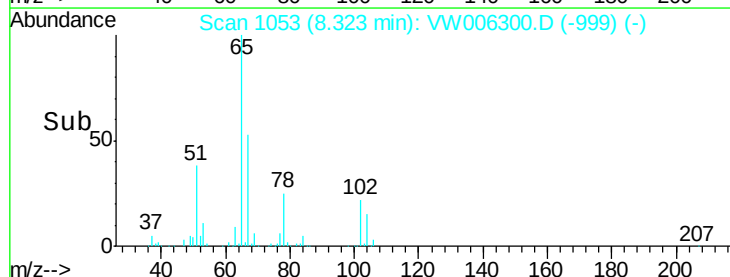
Tgt Ion: 78 Resp: 17502

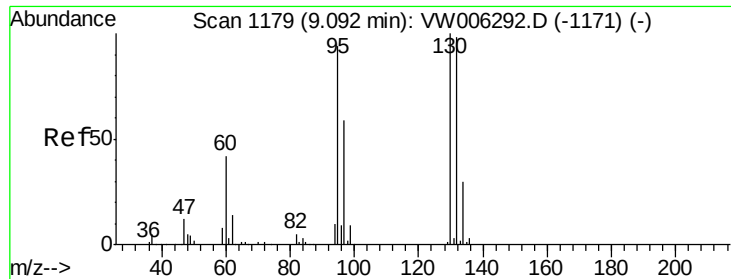


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





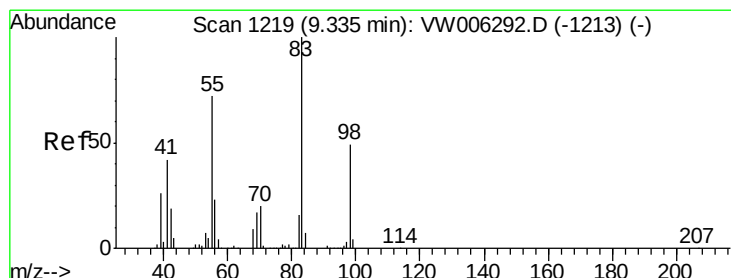
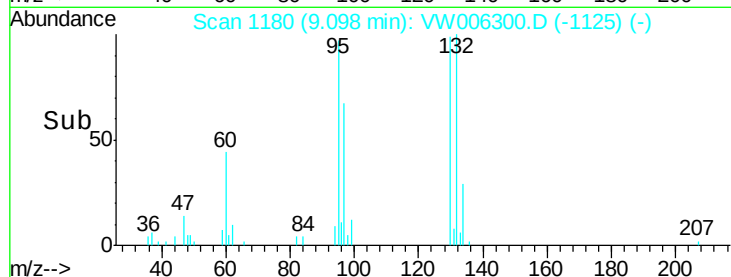
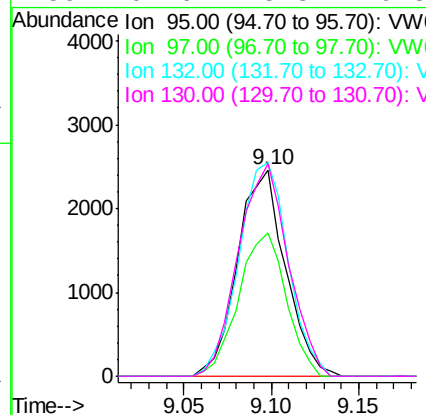
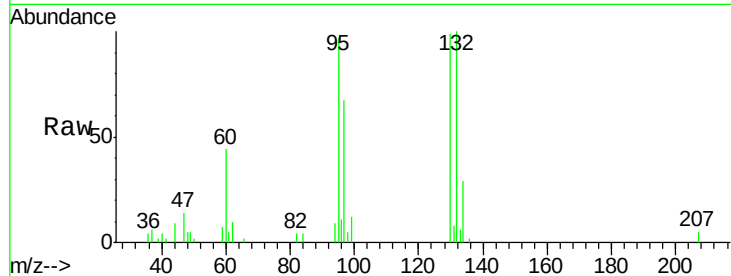
#35
 Trichloroethene
 Concen: 0.980 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
95	100		
97	69.0	45.8	85.0
132	107.0	72.9	135.3
130	107.6	75.8	140.8

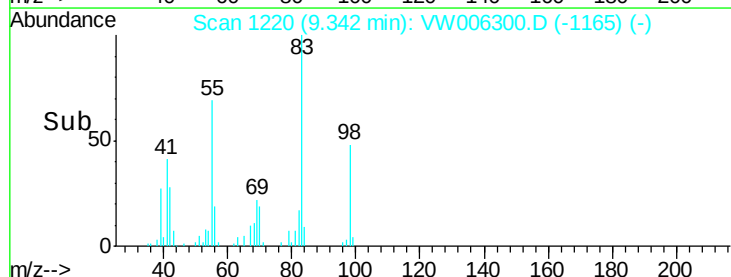
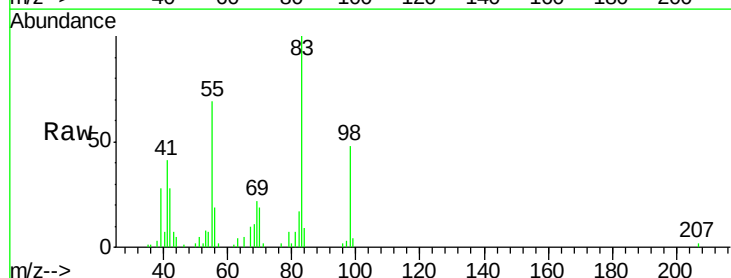
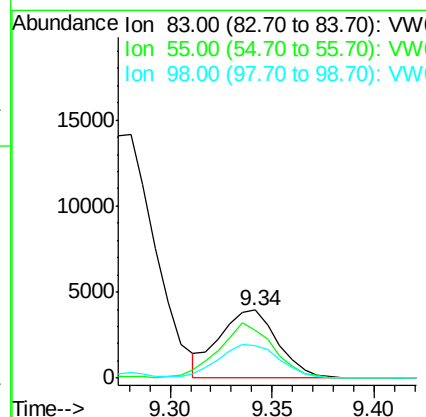
Manual Integrations
 APPROVED

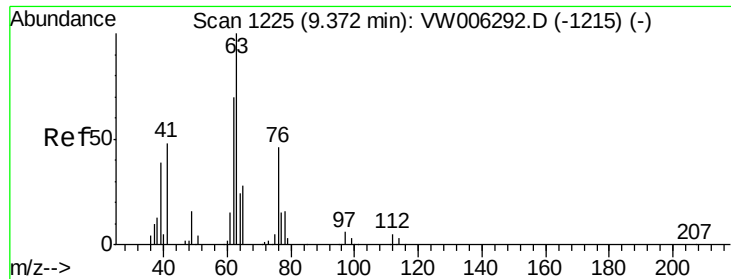
MMDadoda
 10/24/2018 2:07:39 PM



#36
 Methylcyclohexane
 Concen: 0.899 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.1	57.1	85.7
98	51.8	38.9	58.3





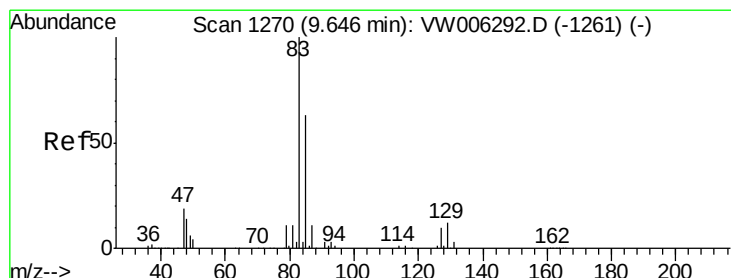
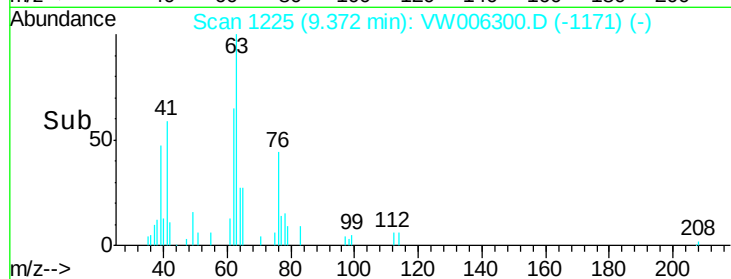
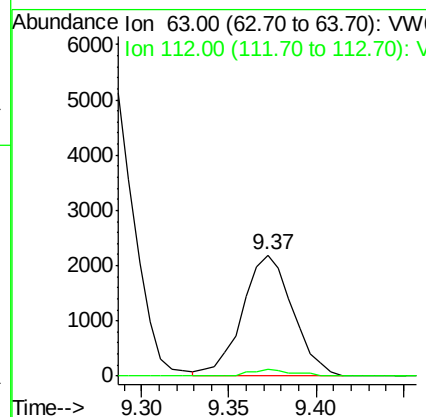
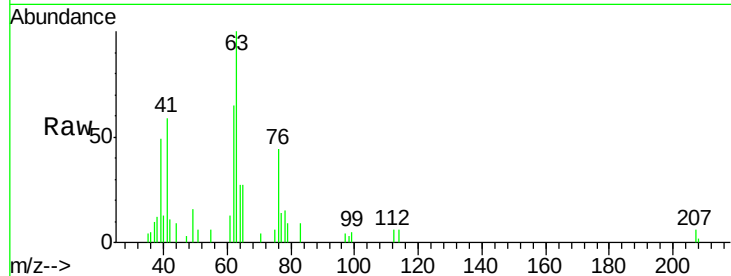
#40
 1,2-Dichloropropane
 Concen: 1.044 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion: 63 Resp: 4389
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3

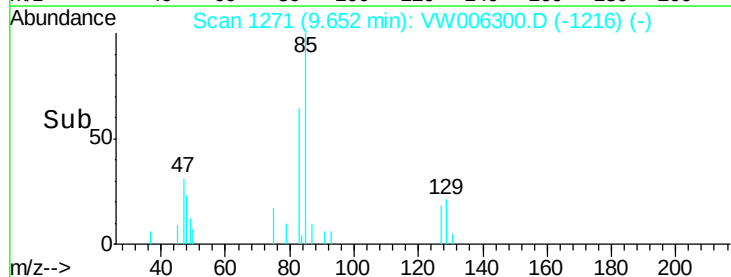
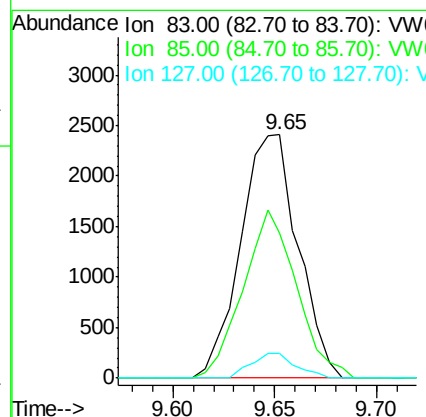
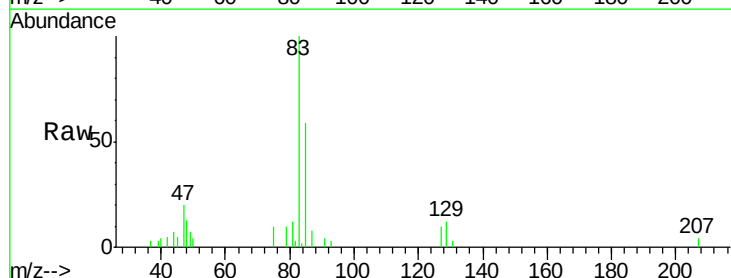
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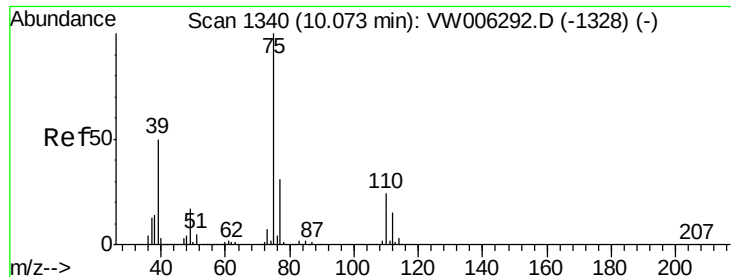
MMDadoda
 10/24/2018 2:07:39 PM



#41
 Bromodichloromethane
 Concen: 0.831 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion: 83 Resp: 4719
 Ion Ratio Lower Upper
 83 100
 85 59.3 45.5 84.5
 127 10.2 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 0.923 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 75 Resp: 6340

Ion Ratio Lower Upper

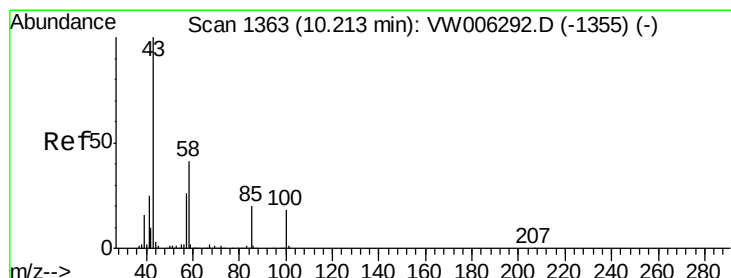
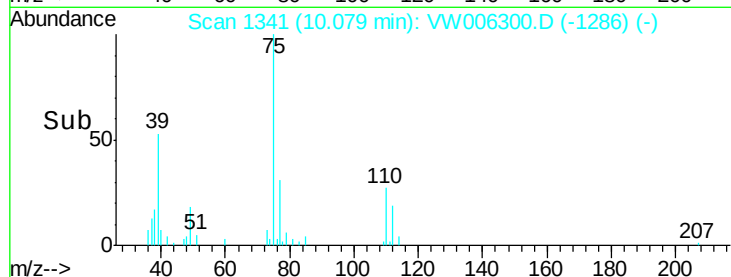
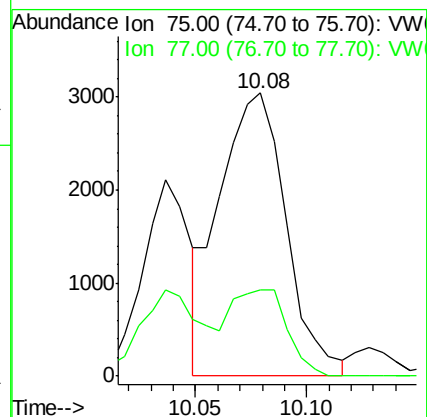
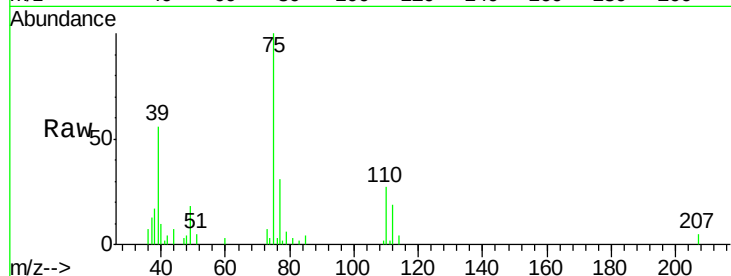
75 100

77 30.5 22.6 42.0

Manual Integrations
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#43

4-Methyl-2-pentanone

Concen: 1.812 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

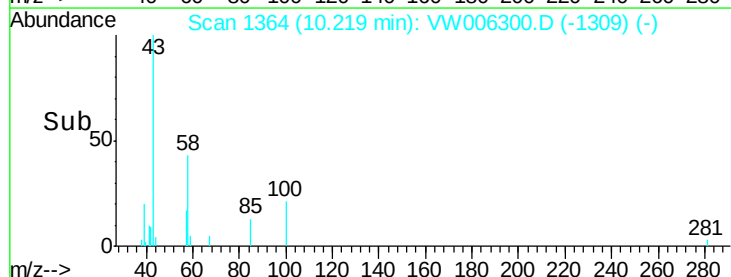
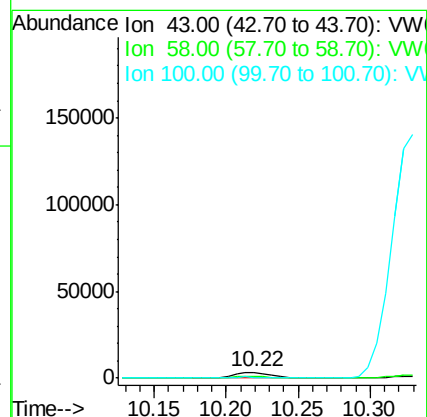
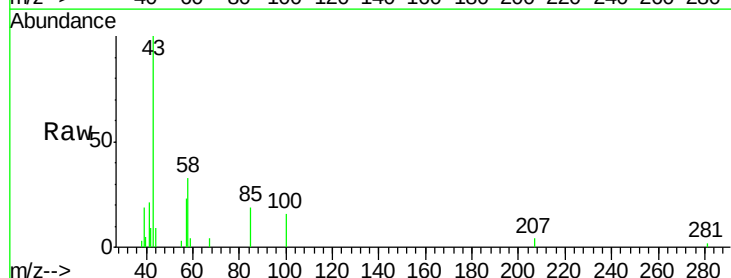
Tgt Ion: 43 Resp: 6105

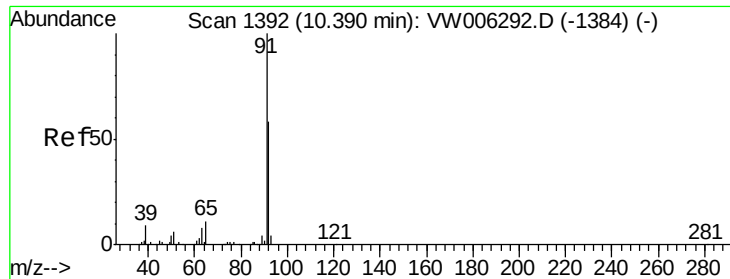
Ion Ratio Lower Upper

43 100

58 35.0 31.4 47.2

100 16.3 13.3 19.9





#44

Toluene

Concen: 1.034 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 91 Resp: 19677

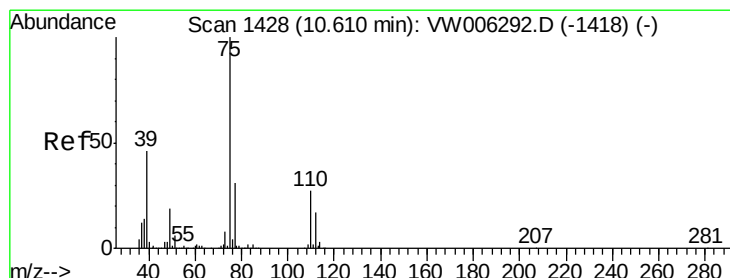
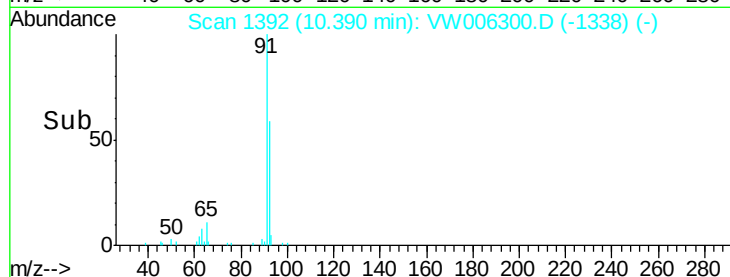
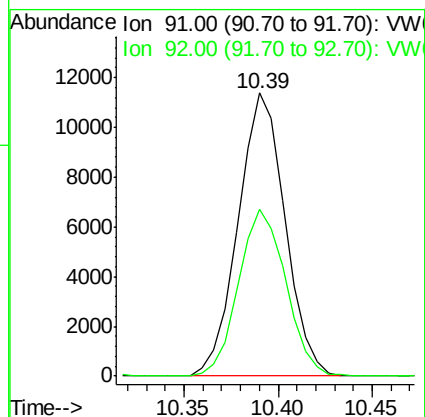
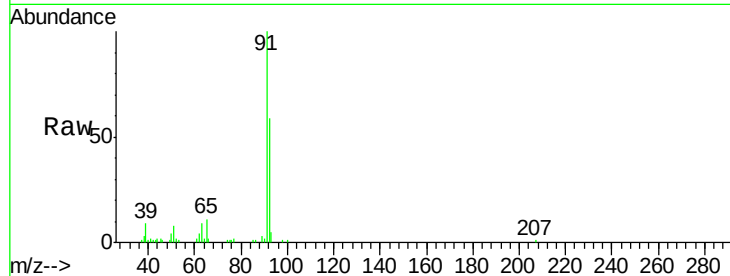
Ion Ratio Lower Upper

91 100

92 58.8 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 1.230 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006300.D

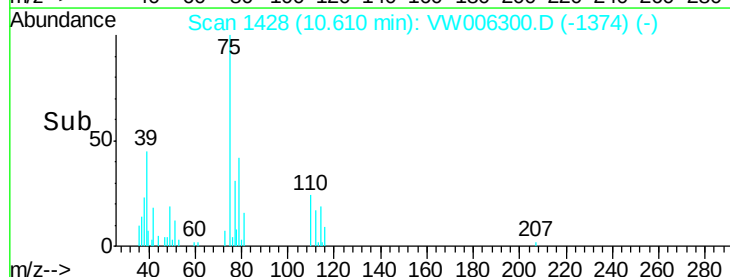
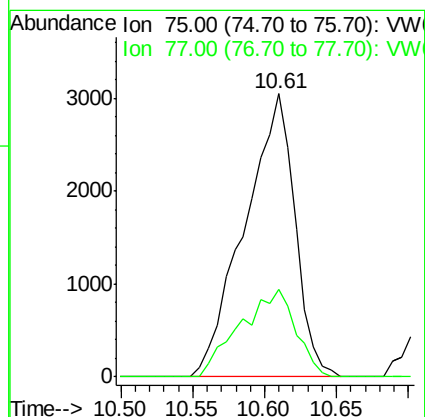
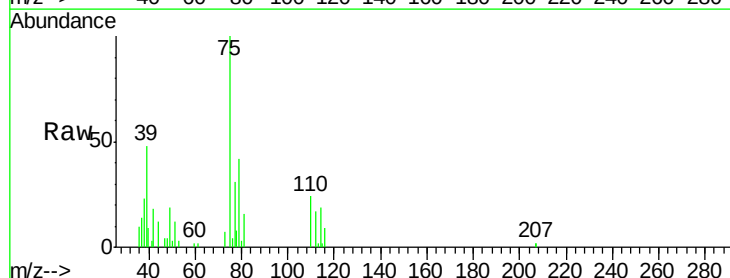
Acq: 23 Oct 2018 17:41

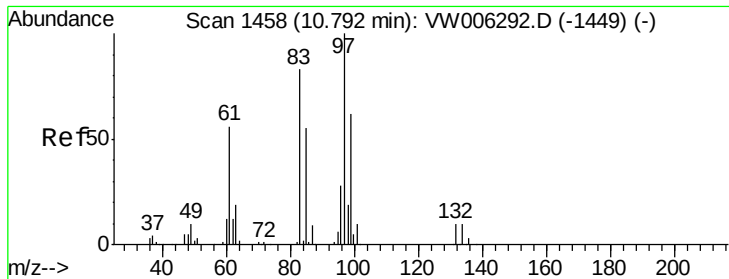
Tgt Ion: 75 Resp: 7377

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6





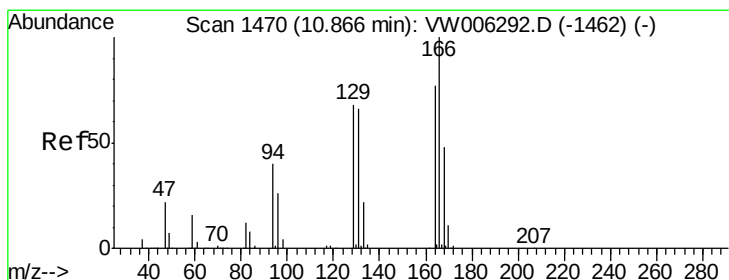
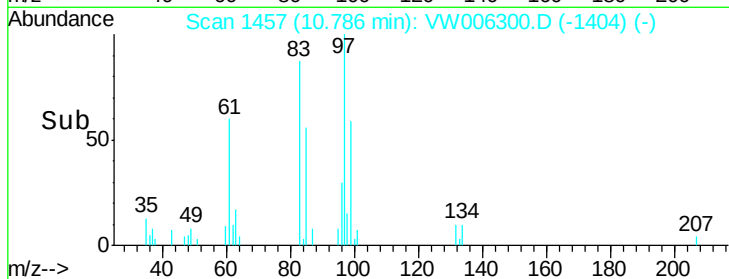
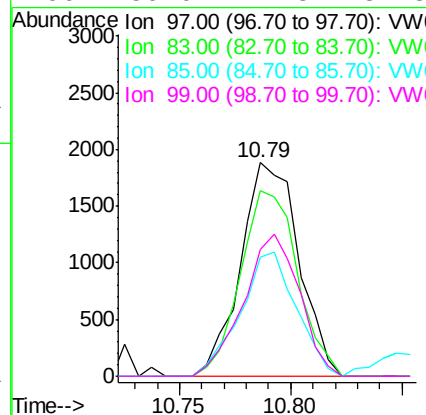
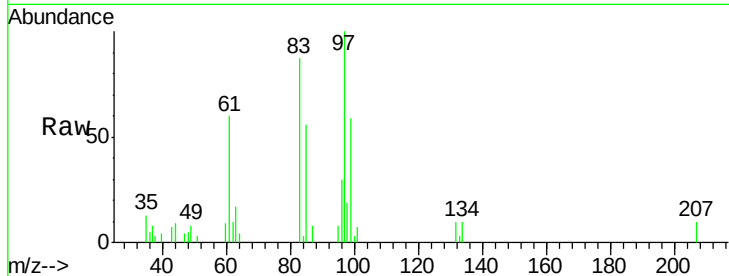
#46
 1,1,2-Trichloroethane
 Concen: 0.978 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion:	97	Resp:	3424
Ion	Ratio	Lower	Upper
97	100		
83	87.0	60.0	111.4
85	55.7	38.7	71.9
99	59.0	44.3	82.3

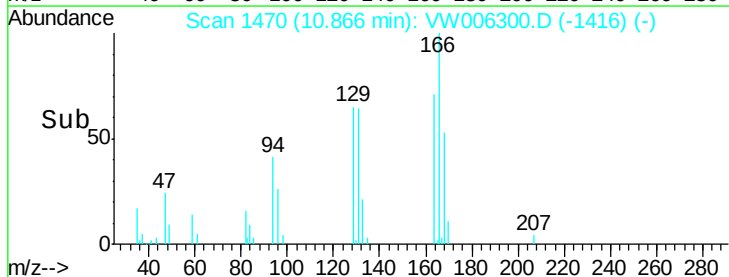
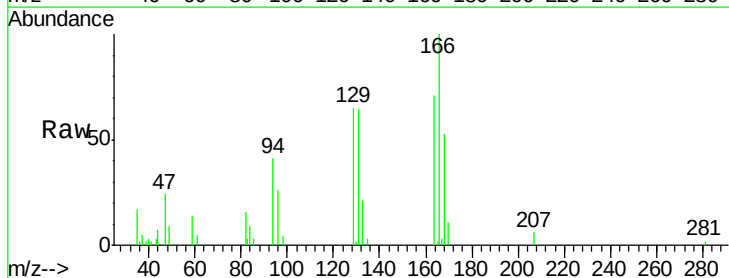
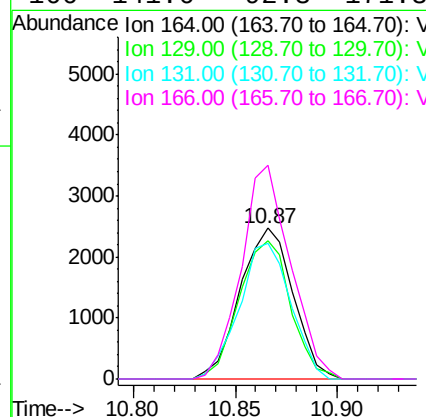
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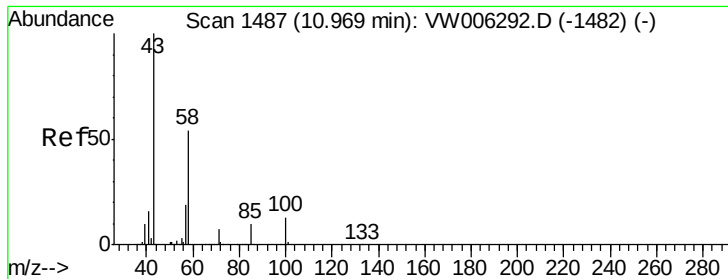
MMDadoda
 10/24/2018 2:07:39 PM



#47
 Tetrachloroethene
 Concen: 1.014 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion:	164	Resp:	4476
Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.4	121.4
131	90.1	63.8	118.4
166	141.6	92.3	171.3





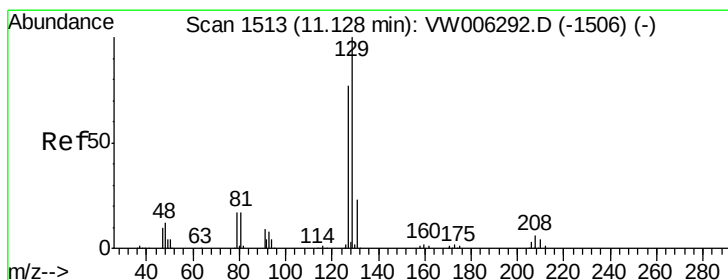
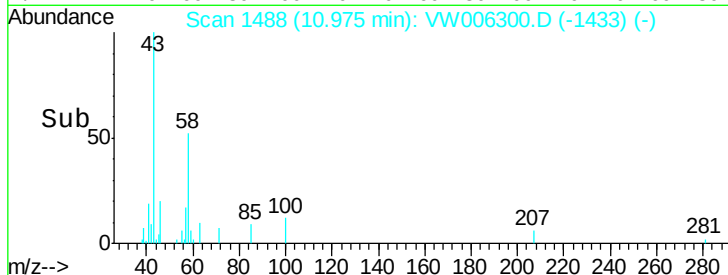
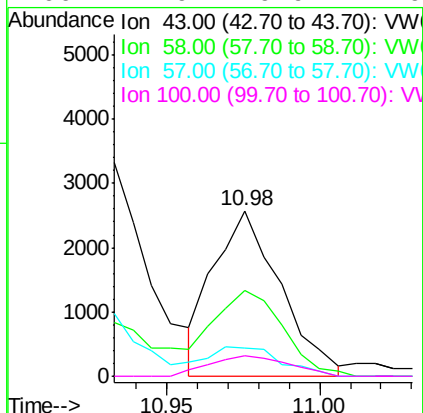
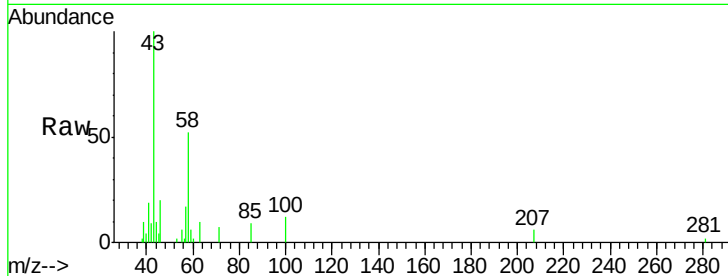
#49
2-Hexanone
Concen: 1.567 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 43 Resp: 3891
Ion Ratio Lower Upper
43 100
58 53.5 42.1 63.1
57 21.2 15.1 22.7
100 14.9 9.9 14.9#

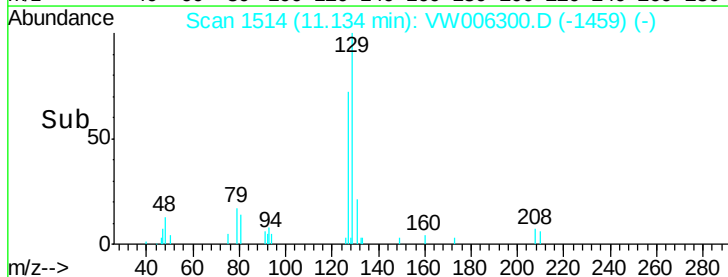
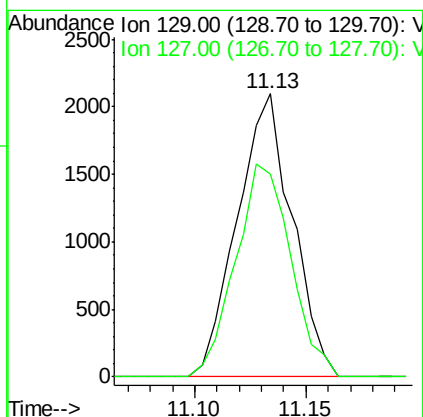
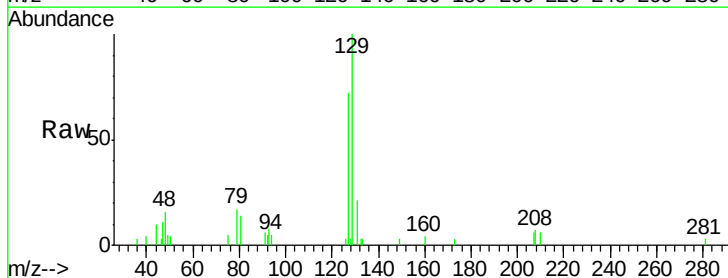
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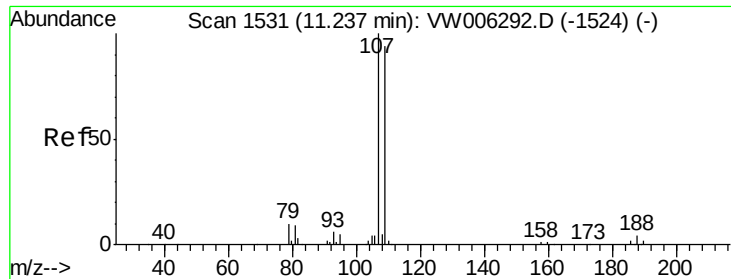
MMDadoda
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#50
Dibromochloromethane
Concen: 0.802 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion: 129 Resp: 3600
Ion Ratio Lower Upper
129 100
127 71.8 54.4 101.0





#51

1,2-Dibromoethane

Concen: 0.937 ug/L

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

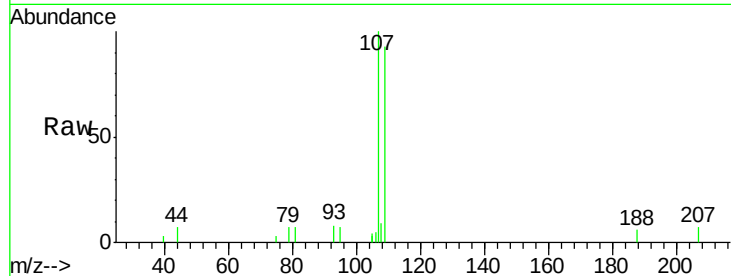
ClientSampleId :

MDL

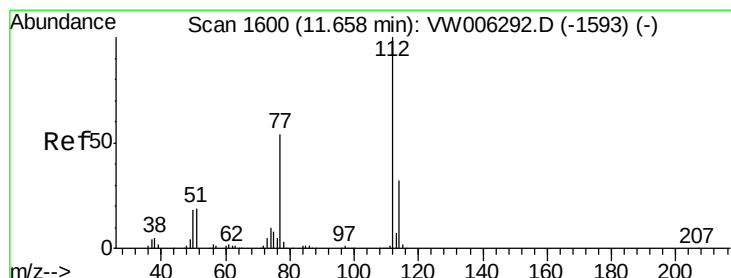
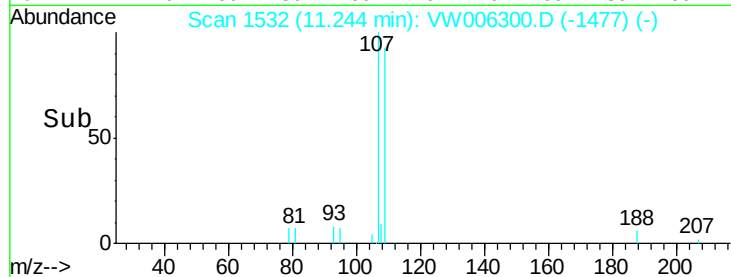
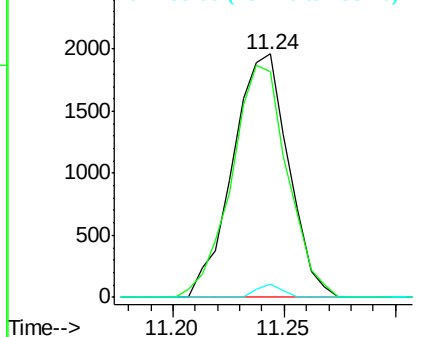
Tgt Ion:	107	Resp:	3414
Ion Ratio	Lower	Upper	
107	100		
109	93.0	66.6	123.8
188	5.7	3.4	5.0#

Manual Integrations
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10/24/2018 2:07:39 PM



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 1.012 ug/L

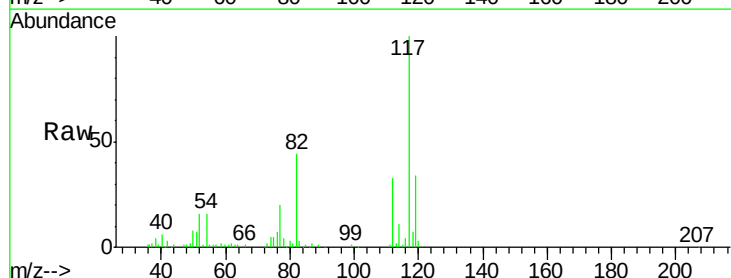
RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

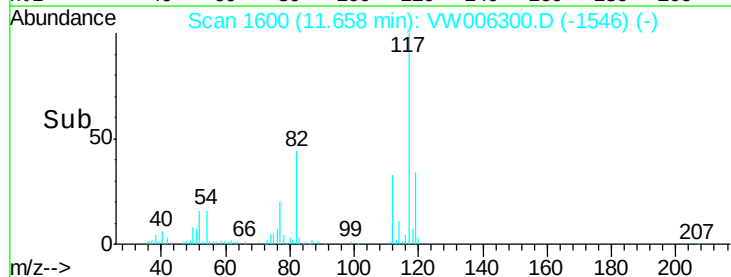
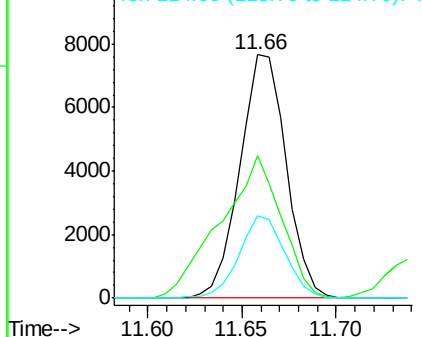
Lab File: VW006300.D

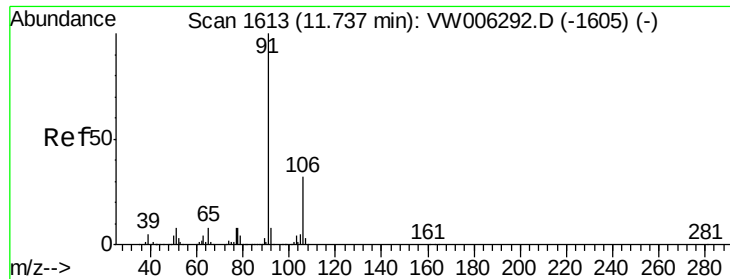
Acq: 23 Oct 2018 17:41

Tgt Ion:	112	Resp:	13029
Ion Ratio	Lower	Upper	
112	100		
77	58.6	44.2	66.2
114	34.0	22.1	41.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





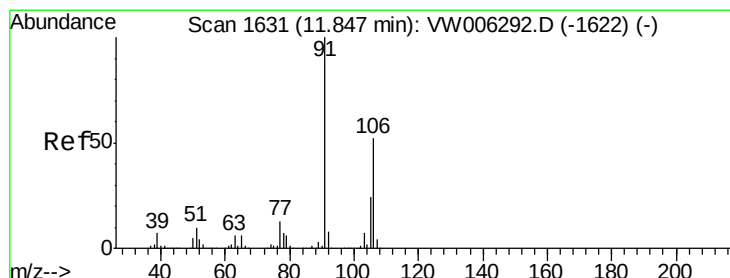
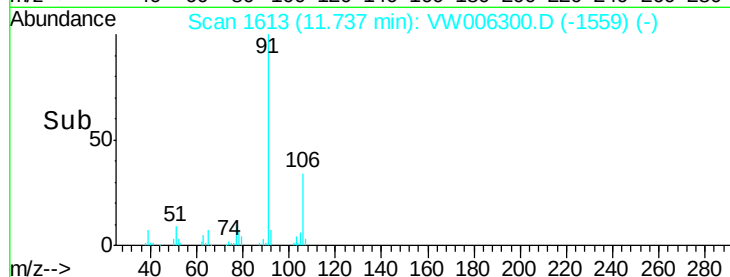
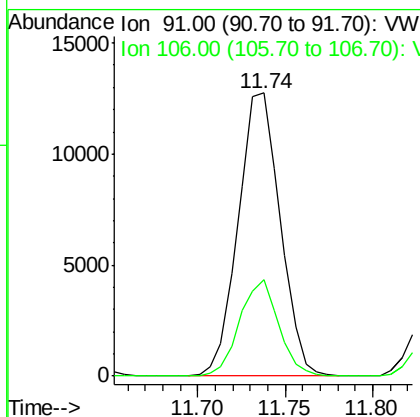
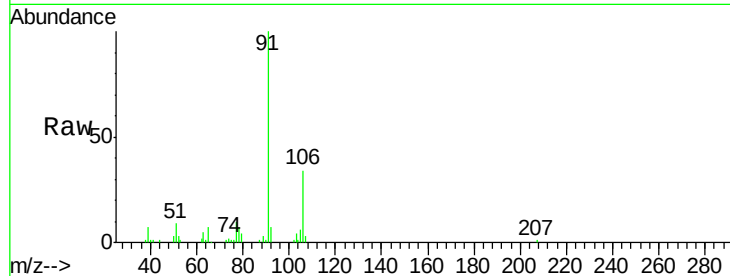
#53
Ethylbenzene
Concen: 0.963 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 91 Resp: 21334
Ion Ratio Lower Upper
91 100
106 33.9 22.6 42.0

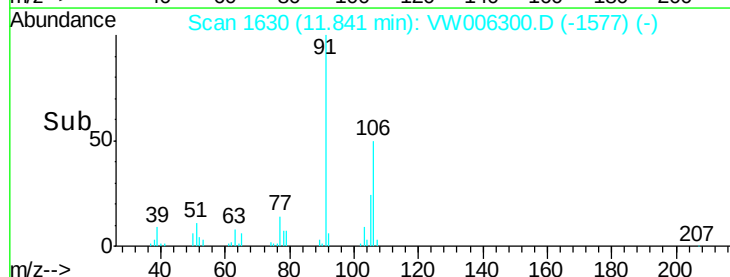
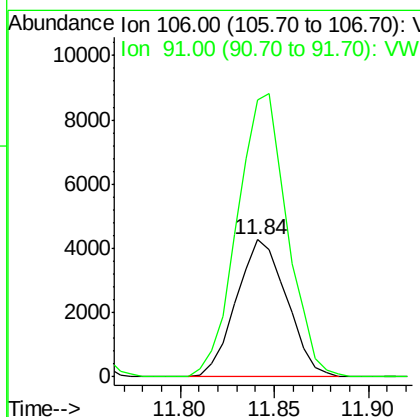
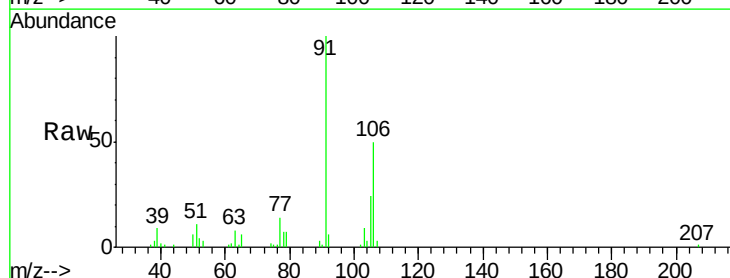
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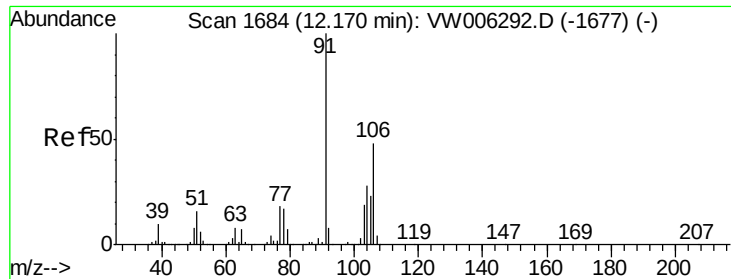
MMDadoda
10/24/2018 2:07:39 PM



#54
m,p-Xylene
Concen: 0.915 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion: 106 Resp: 7943
Ion Ratio Lower Upper
106 100
91 201.3 138.4 257.0





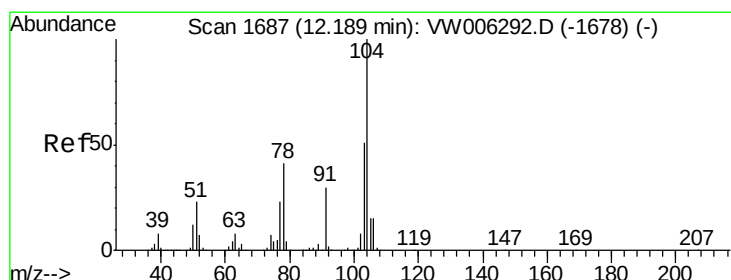
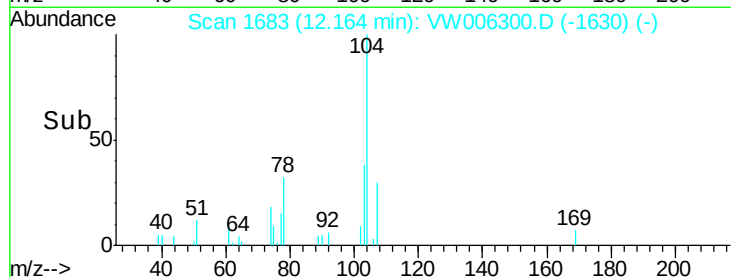
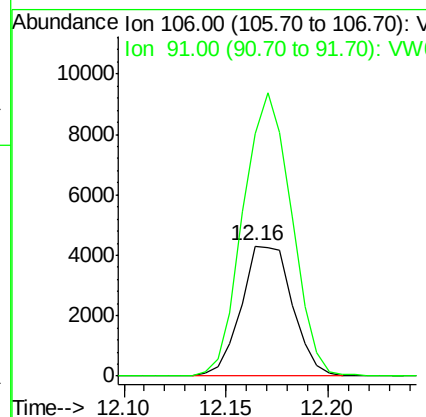
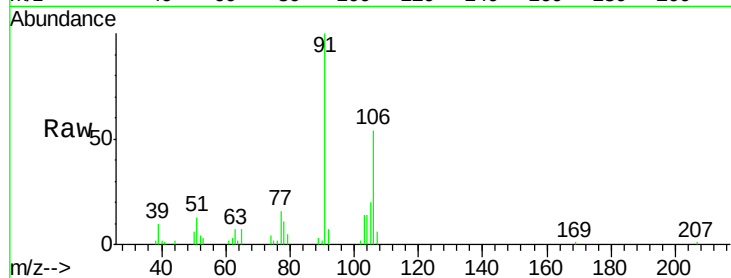
#55
o-xylene
Concen: 0.904 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion:106 Resp: 7496
Ion Ratio Lower Upper
106 100
91 186.0 148.7 276.1

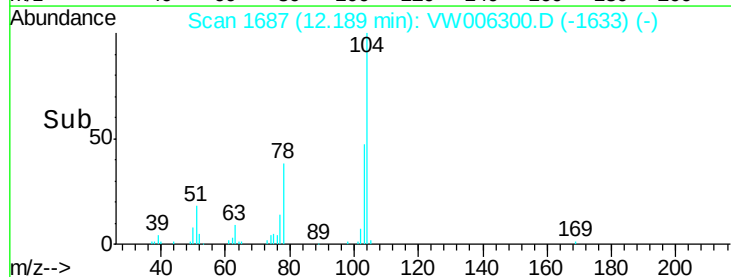
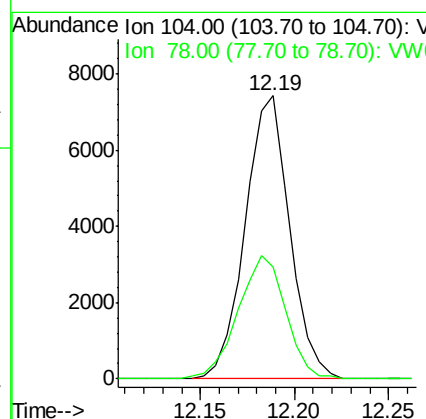
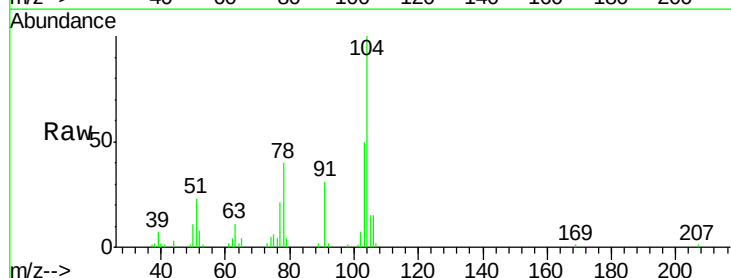
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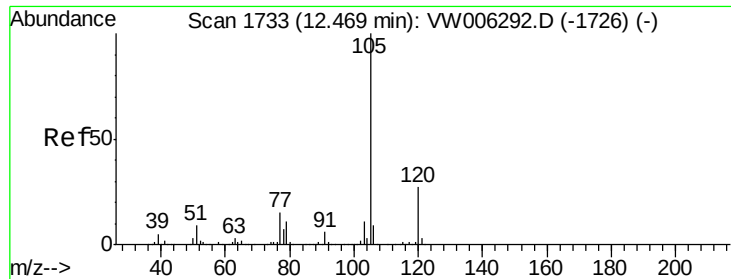
MMDadoda
10/24/2018 2:07:39 PM



#56
Styrene
Concen: 0.851 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion:104 Resp: 12153
Ion Ratio Lower Upper
104 100
78 39.5 31.2 58.0





#57

Isopropylbenzene

Concen: 0.894 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Instrument :

MSVOA_W

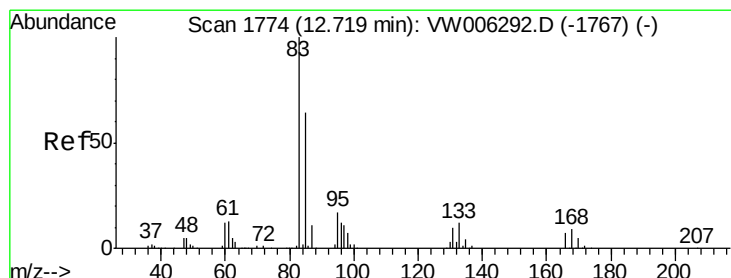
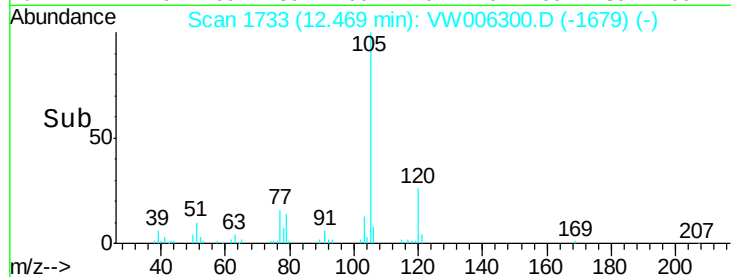
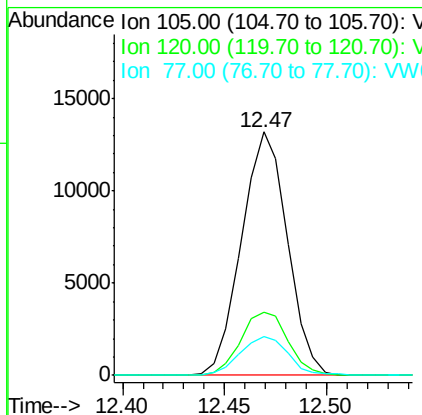
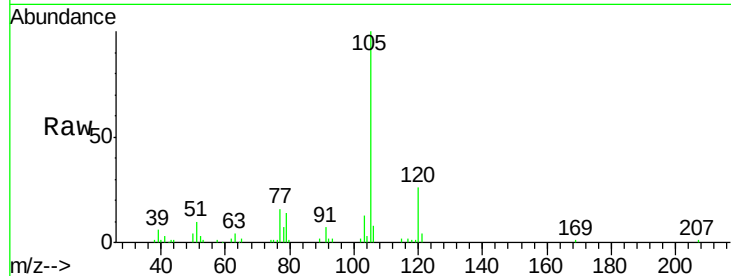
ClientSampled :

MDL

Tgt Ion:	105	Resp:	20618
Ion Ratio		Lower	Upper
105	100		
120	26.8	21.8	32.6
77	16.6	12.2	18.2

Manual Integrations
APPROVED

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10/24/2018 2:07:39 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 1.060 ug/L

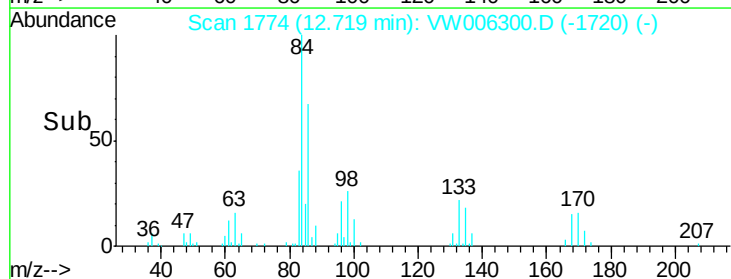
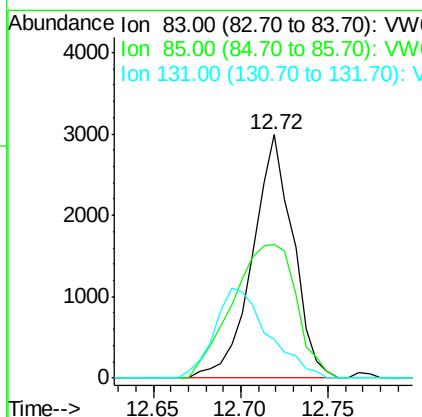
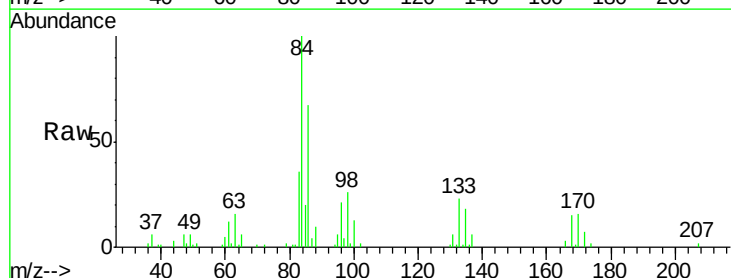
RT: 12.72 min Scan# 1774

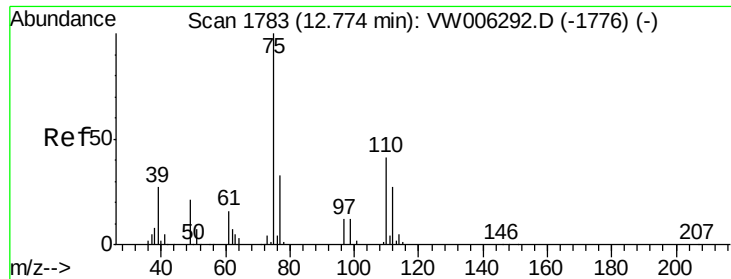
Delta R.T. 0.00 min

Lab File: VW006300.D

Acq: 23 Oct 2018 17:41

Tgt Ion:	83	Resp:	4821
Ion Ratio		Lower	Upper
83	100		
85	54.9	44.8	83.2
131	16.0	9.0	13.4#





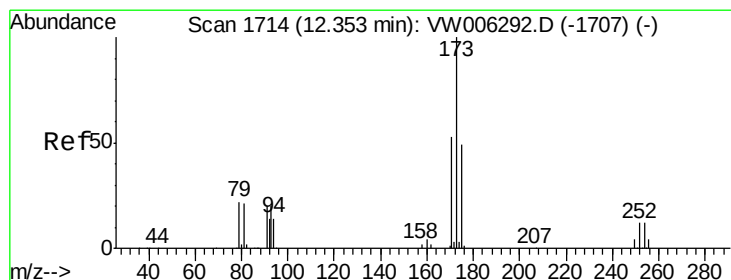
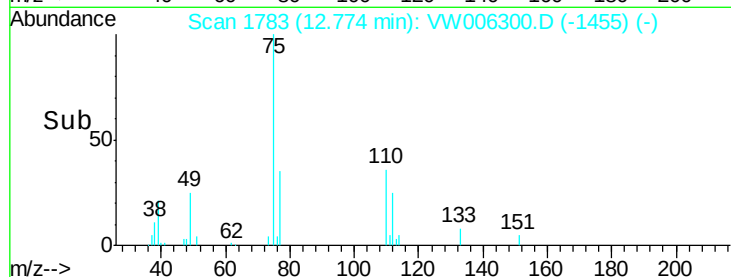
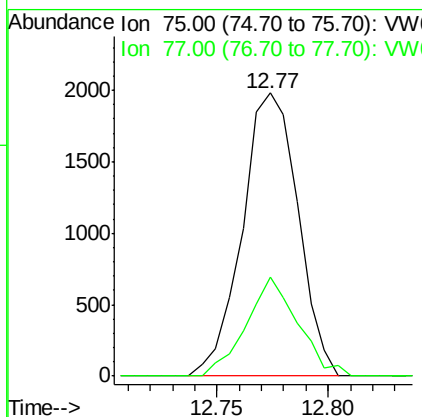
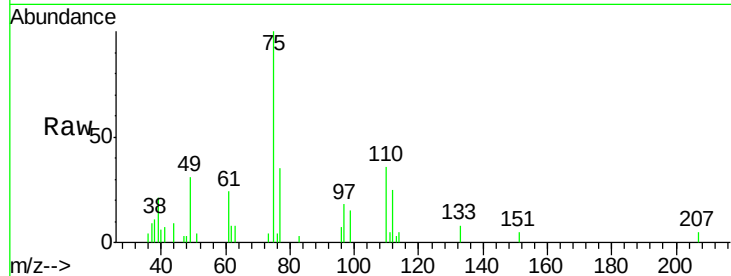
#59
 1,2,3-Trichloropropane
 Concen: 1.015 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion: 75 Resp: 3444
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9

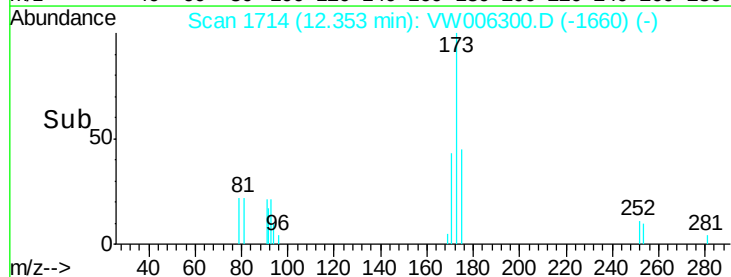
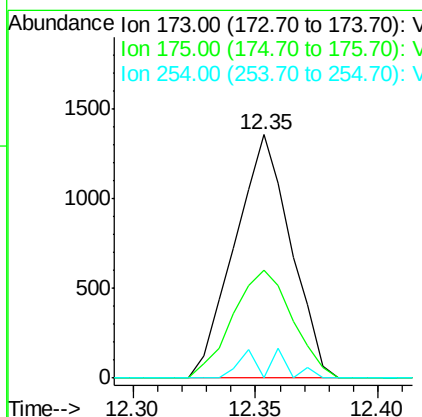
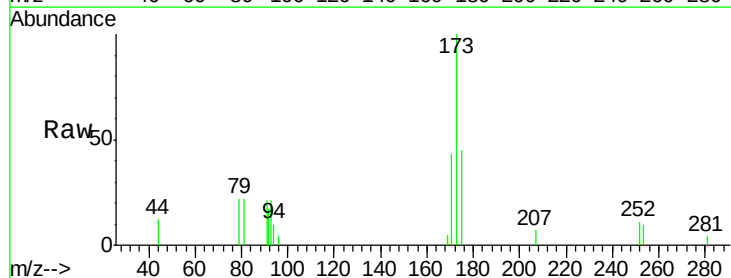
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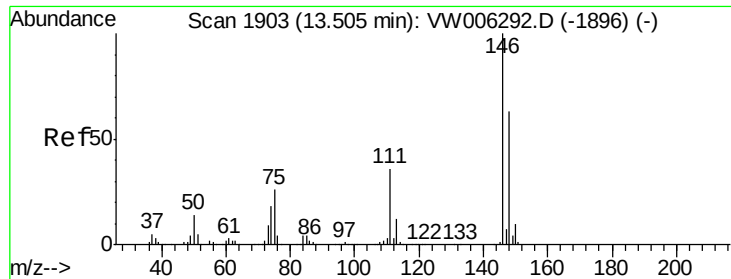
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#62
 Bromoform
 Concen: 0.734 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion: 173 Resp: 2164
 Ion Ratio Lower Upper
 173 100
 175 47.2 39.1 58.7
 254 2.8 9.2 13.8#





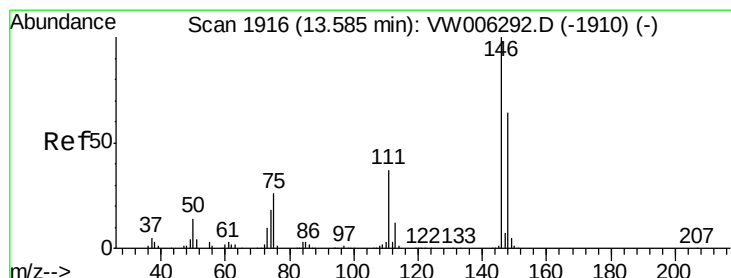
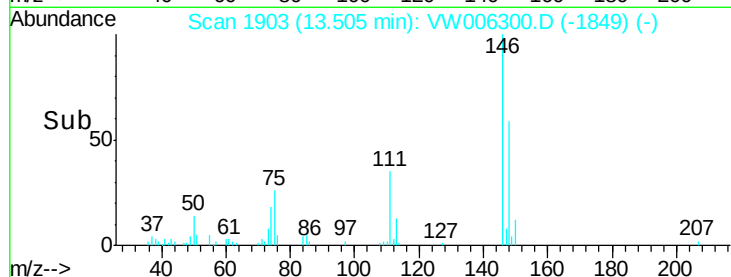
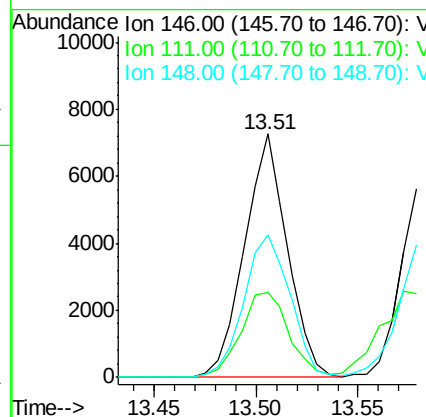
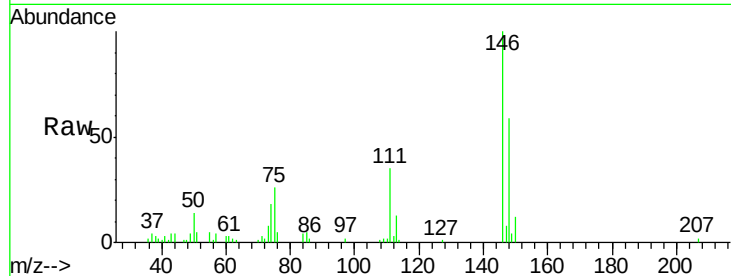
#63
1,3-Dichlorobenzene
Concen: 0.979 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	26.3	48.9
148	58.8	44.7	82.9

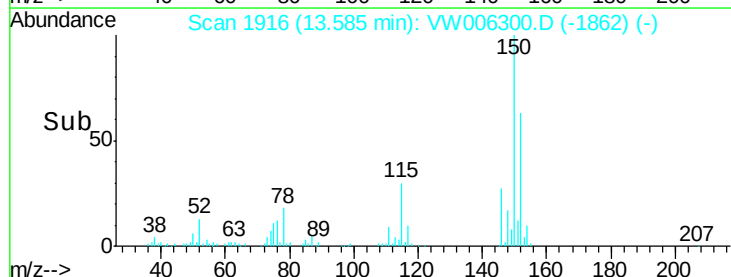
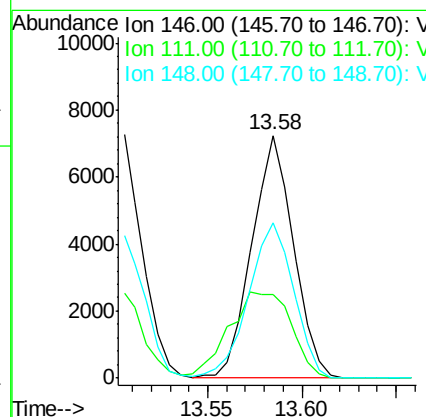
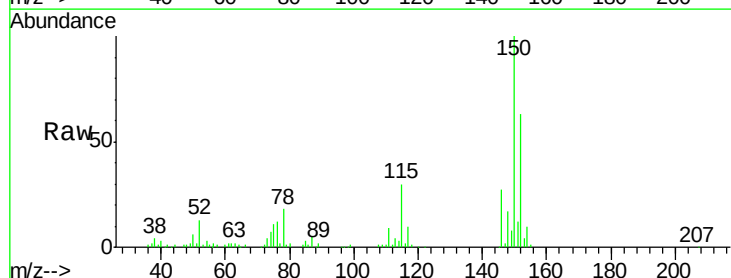
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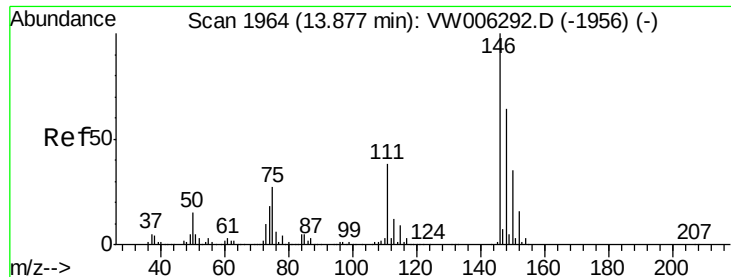
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#64
1,4-Dichlorobenzene
Concen: 1.021 ug/L
RT: 13.58 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	24.7	45.9
148	64.2	44.9	83.5





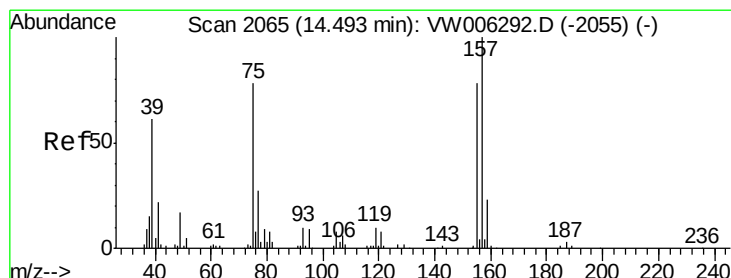
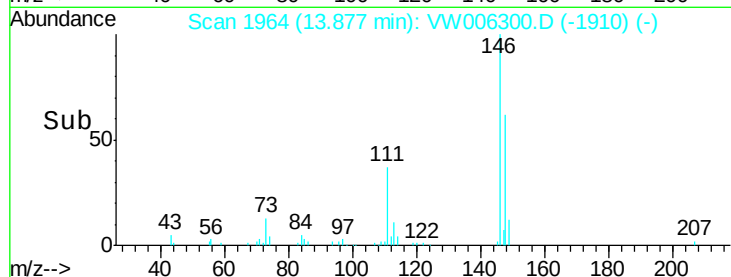
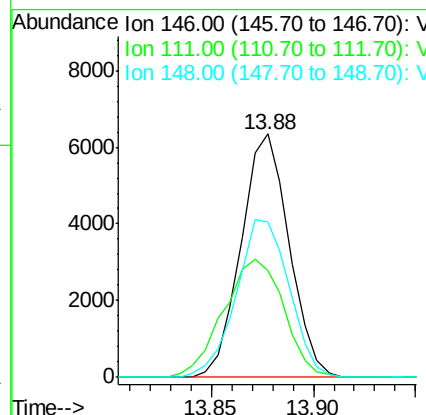
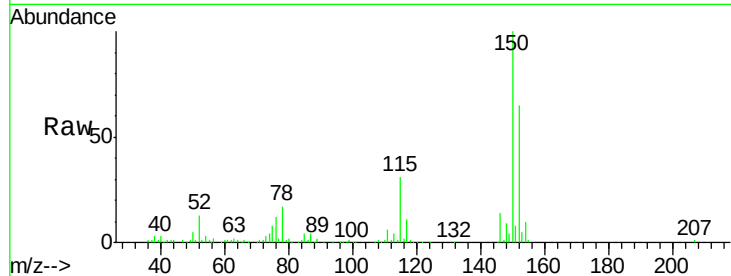
#65
 1,2-Dichlorobenzene
 Concen: 1.042 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	31.1	46.7
148	63.7	51.2	76.8

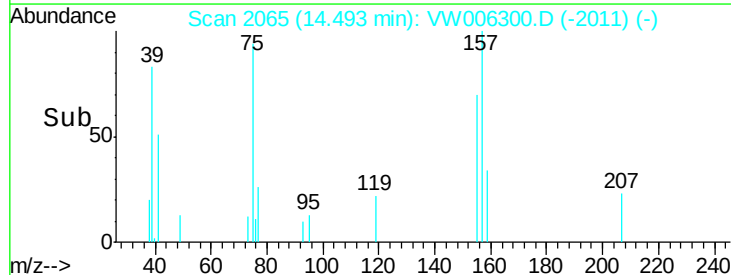
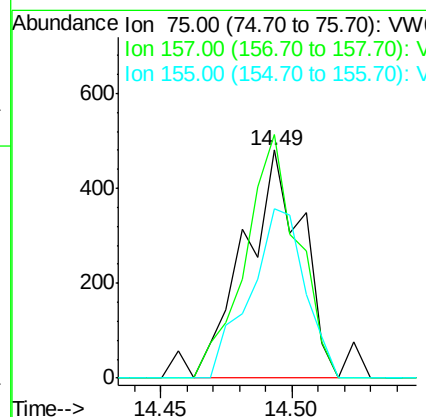
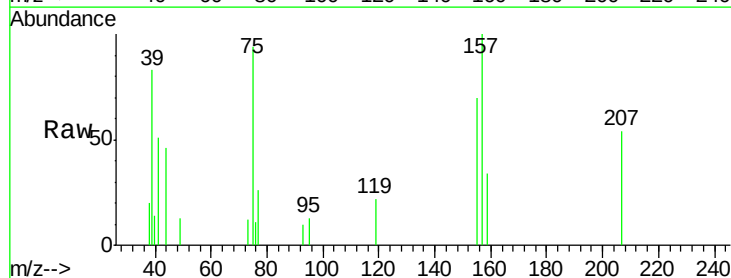
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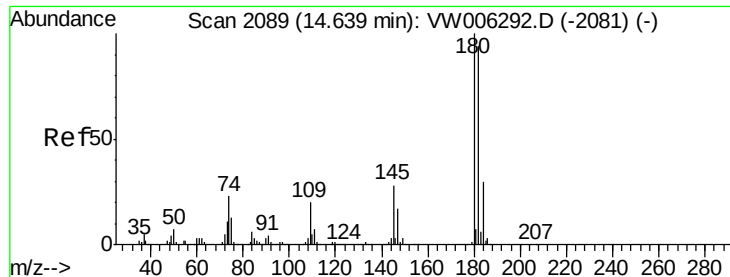
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.912 ug/L m
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.9	106.8	160.2
155	74.4	79.2	118.8#





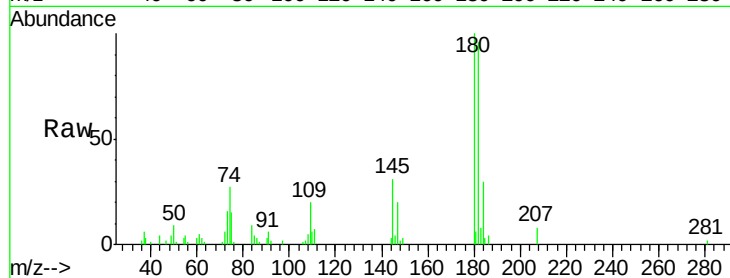
#67
 1,3,5-Trichlorobenzene
 Concen: 0.996 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion:	180	Resp:	8674
Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.0	114.0
184	29.8	24.3	36.5
145	27.9	22.6	33.8

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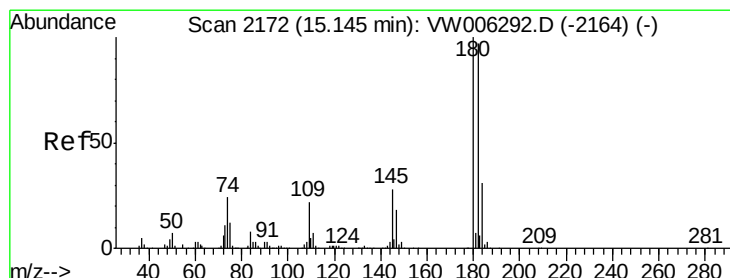
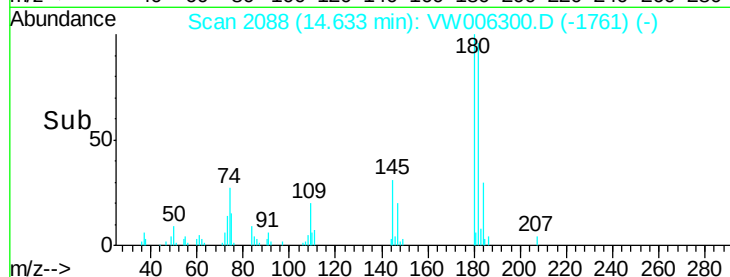
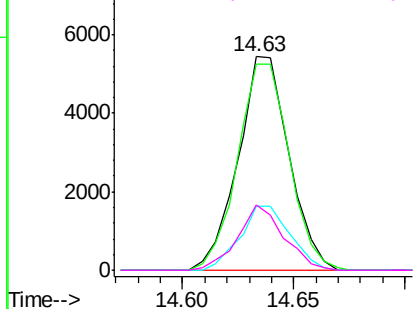
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

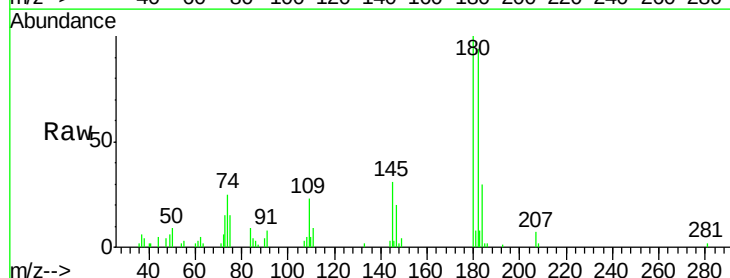
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.987 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006300.D
 Acq: 23 Oct 2018 17:41

Tgt Ion:	180	Resp:	7332
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.2
145	28.6	23.0	34.6

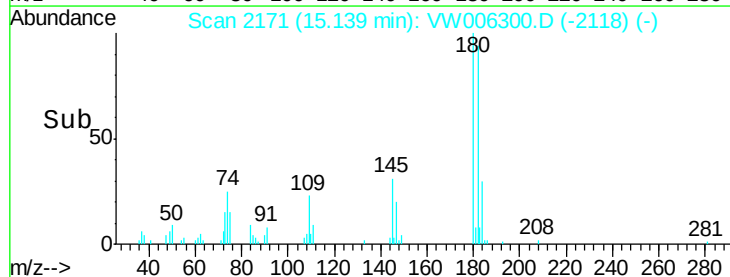
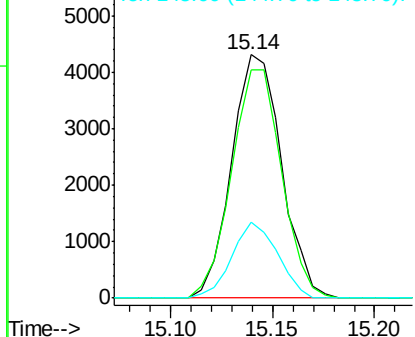


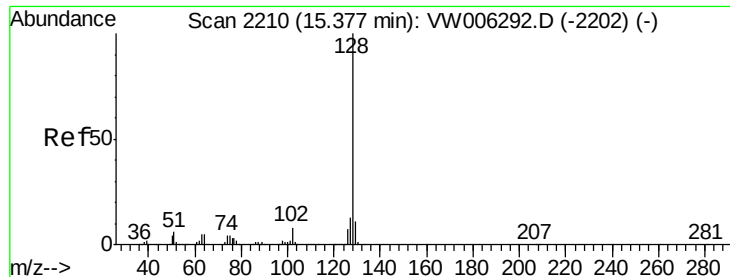
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





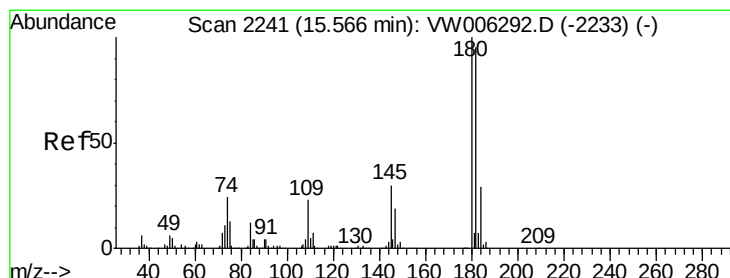
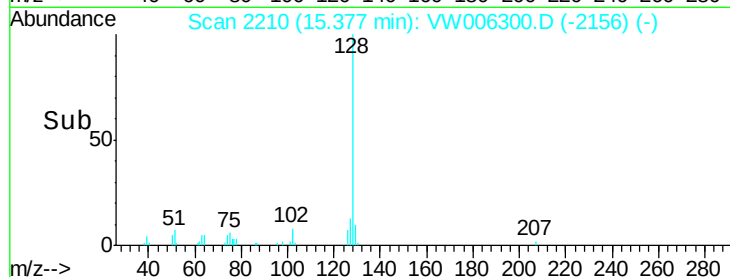
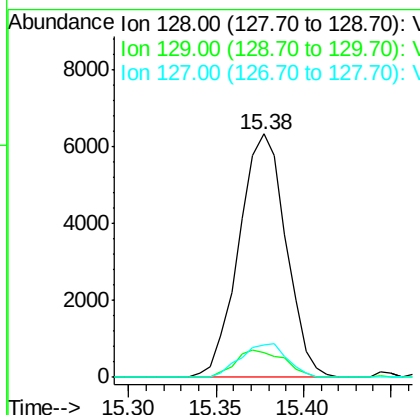
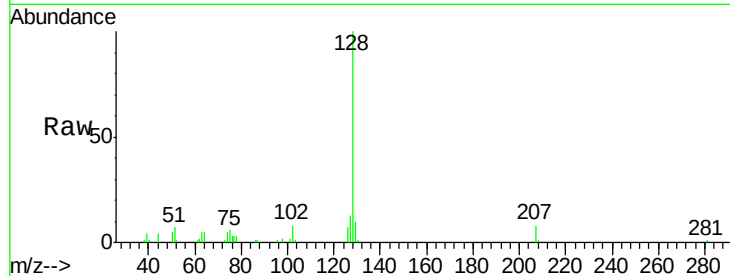
#69
Naphthalene
Concen: 0.791 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	11892		
129	11.4	8.9	13.3	
127	13.5	10.5	15.7	

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#70
1,2,3-Trichlorobenzene
Concen: 0.950 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006300.D
Acq: 23 Oct 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6339		
182	97.7	75.5	113.3	
145	29.0	24.5	36.7	

