

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006296.D
 Acq On : 23 Oct 2018 15:07
 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 2:07:11 PM

Quant Time: Oct 24 04:00:34 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	388224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365640	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193994	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	87740	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.16%
7) Chloroethane-d5	2.90	69	85481	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
10) 1,1-Dichloroethene-d2	4.01	63	143611	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.32%
20) 2-Butanone-d5	7.09	46	66426	45.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.54%
24) Chloroform-d	7.65	84	202260	24.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	8.31	65	117601	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	411295	24.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.12%
33) 1,2-Dichloropropane-d6	9.28	67	118463	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.56%
37) Toluene-d8	10.33	98	404935	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	50476	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.92%
39) 2-Hexanone-d5	10.93	63	54022	44.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116019	23.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	169329	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4535	1.236 ug/L	96
3) Chloromethane	2.21	50	4814	1.336 ug/L	97
5) Vinyl chloride	2.37	62	6674	1.149 ug/L #	68
6) Bromomethane	2.79	94	4779	1.057 ug/L	96
8) Chloroethane	2.94	64	3917m	1.100 ug/L	
9) Trichlorofluoromethane	3.26	101	5146m	1.108 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6635m	1.428 ug/L	
12) 1,1-Dichloroethene	4.04	96	5901	1.324 ug/L #	1
13) Acetone	4.13	43	4476m	3.053 ug/L	
14) Carbon disulfide	4.38	76	13097	0.899 ug/L	97
15) Methyl Acetate	4.67	43	2724m	1.147 ug/L	
16) Methylene chloride	4.91	84	11454	2.285 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	7547m	1.040 ug/L	
18) trans-1,2-Dichloroethene	5.42	96	5209	1.056 ug/L	91
19) 1,1-Dichloroethane	6.22	63	8208	1.028 ug/L	91
21) 2-Butanone	7.18	43	4927m	2.529 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	5574	1.036 ug/L	92

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

23) Bromochloromethane	7.52	128	2694	1.064	ug/L	91
25) Chloroform	7.68	83	10277	1.196	ug/L #	74
27) 1,2-Dichloroethane	8.40	62	6853	1.170	ug/L	100
30) Cyclohexane	7.96	56	7757	0.965	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	7715	1.008	ug/L	98
32) Carbon tetrachloride	8.07	117	7120	0.949	ug/L	99
34) Benzene	8.33	78	20489	1.092	ug/L	100
35) Trichloroethene	9.09	95	5503	1.042	ug/L	98
36) Methylcyclohexane	9.34	83	9614	0.994	ug/L	99
40) 1,2-Dichloropropane	9.37	63	4885	1.049	ug/L #	94
41) Bromodichloromethane	9.65	83	5778	0.919	ug/L #	92
42) cis-1,3-Dichloropropene	10.07	75	6718m	0.883	ug/L	
43) 4-Methyl-2-pentanone	10.22	43	7250	1.943	ug/L	98
44) Toluene	10.39	91	24028	1.140	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	8412	1.266	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	4130	1.065	ug/L	92
47) Tetrachloroethene	10.87	164	5334	1.091	ug/L	88
49) 2-Hexanone	10.98	43	5023	1.827	ug/L	98
50) Dibromochloromethane	11.13	129	4313	0.868	ug/L	98
51) 1,2-Dibromoethane	11.24	107	4128	1.023	ug/L #	98
52) Chlorobenzene	11.66	112	15361	1.077	ug/L	99
53) Ethylbenzene	11.74	91	24611	1.003	ug/L	98
54) m,p-Xylene	11.84	106	9636	1.002	ug/L	97
55) o-xylene	12.17	106	8791	0.957	ug/L	95
56) Styrene	12.19	104	14617	0.924	ug/L	96
57) Isopropylbenzene	12.47	105	24079	0.942	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	5815	1.154	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	3944	1.049	ug/L	96
62) Bromoform	12.35	173	2553	0.785	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	12555	1.054	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	12956	1.080	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	12073	1.102	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	768m	0.871	ug/L	
67) 1,3,5-Trichlorobenzene	14.64	180	10015	1.043	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	8576	1.047	ug/L	98
69) Naphthalene	15.38	128	14464	0.872	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7172	0.975	ug/L	95

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

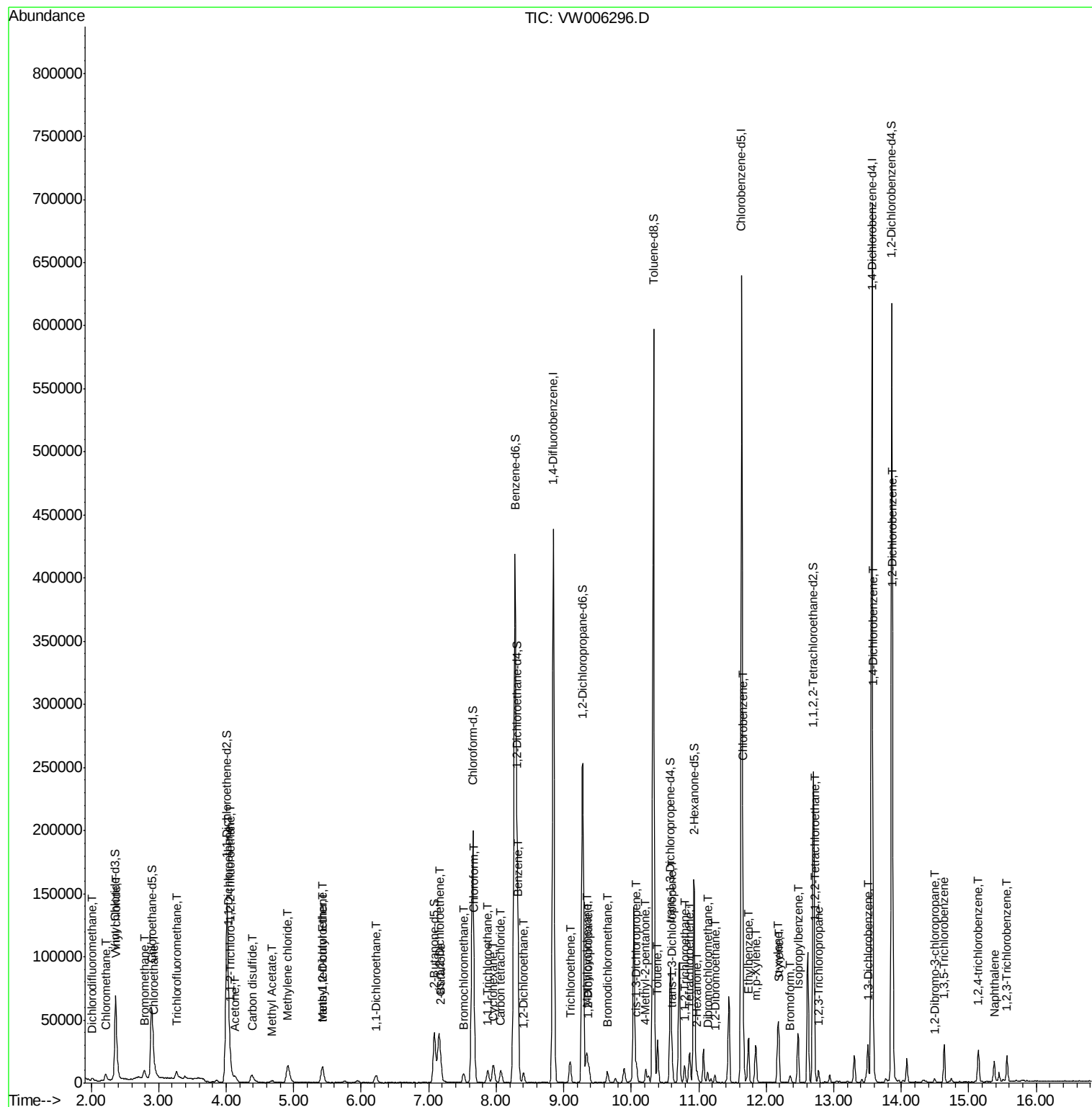
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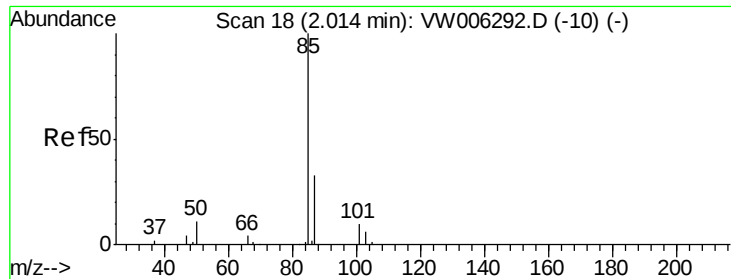
Instrument :
MSVOA_W
ClientSampled :
MDL

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#2

Dichlorodifluoromethane

Concen: 1.236 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 85 Resp: 4535

Ion Ratio Lower Upper

85 100

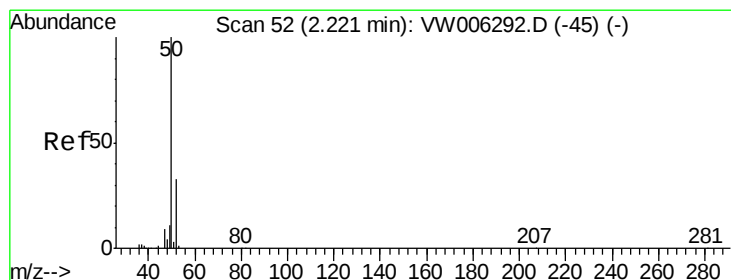
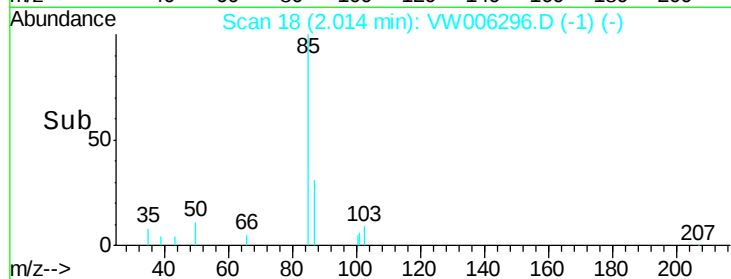
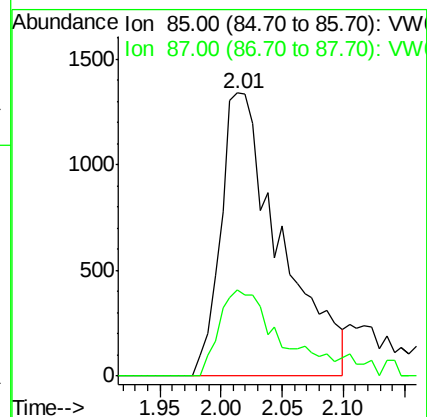
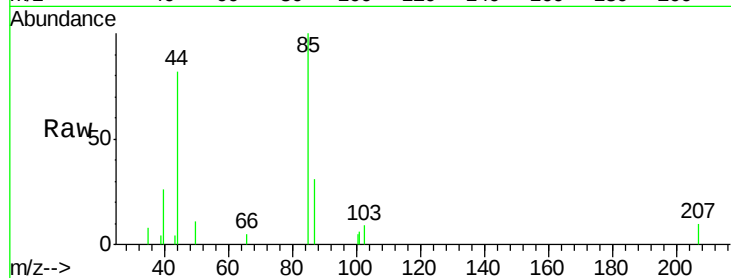
87 25.5 19.2 35.6

Manual Integrations

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#3

Chloromethane

Concen: 1.336 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006296.D

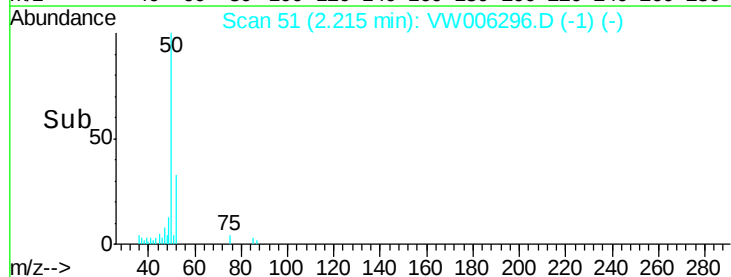
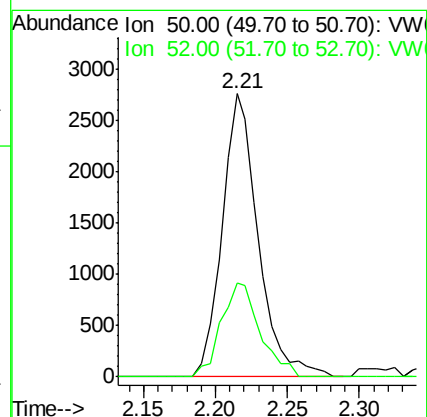
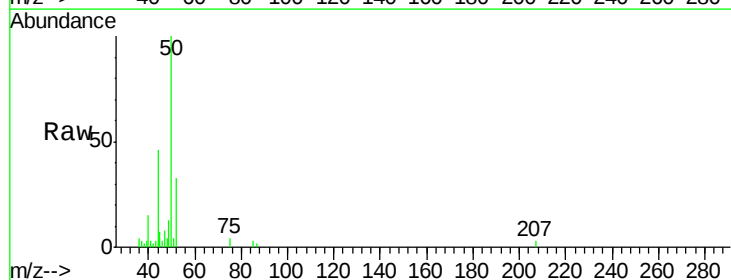
Acq: 23 Oct 2018 15:07

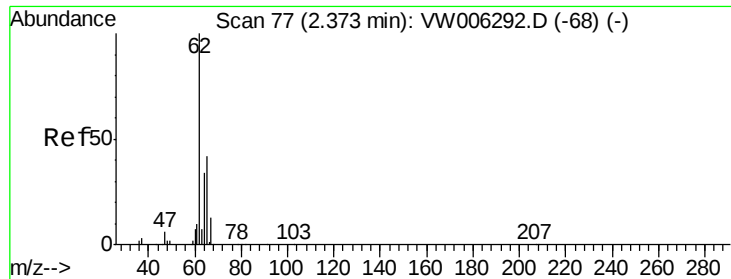
Tgt Ion: 50 Resp: 4814

Ion Ratio Lower Upper

50 100

52 33.2 22.3 41.3





#5

Vinyl chloride

Concen: 1.149 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

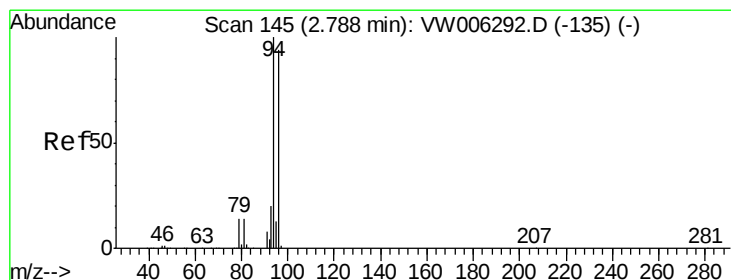
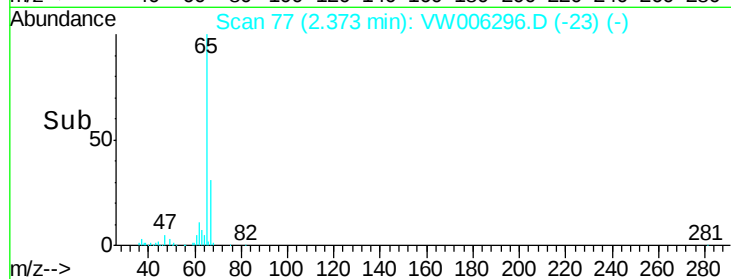
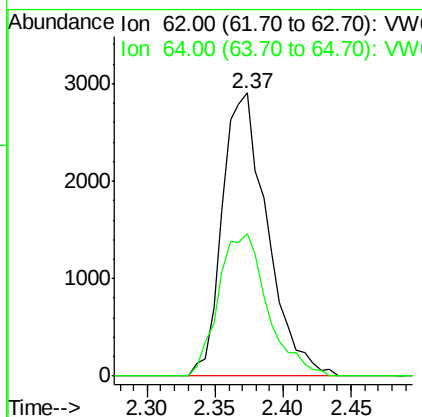
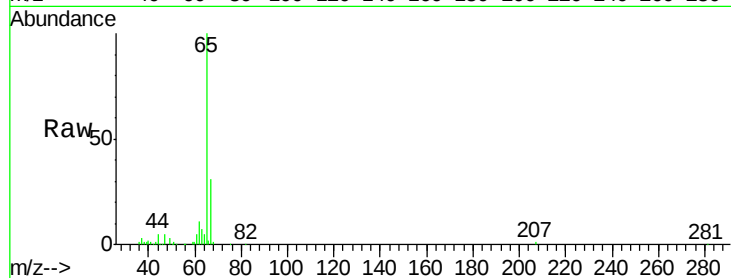
ClientSampled :

MDL

Tgt Ion	Ratio	Lower	Upper
62	100		
64	50.3	22.7	42.3#

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#6

Bromomethane

Concen: 1.057 ug/L

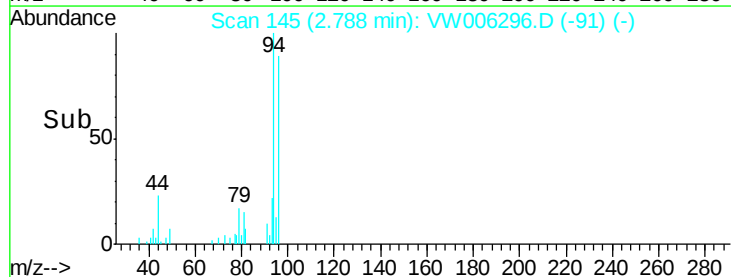
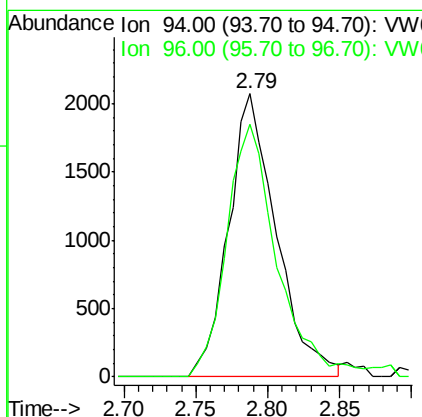
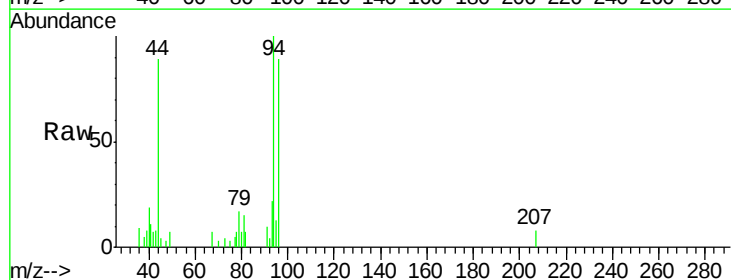
RT: 2.79 min Scan# 145

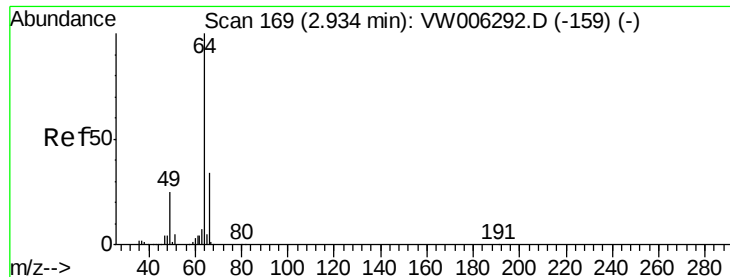
Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
94	100		
96	91.9	9.5	181.3





#8

Chloroethane

Concen: 1.100 ug/L m

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 64 Resp: 3917

Ion Ratio Lower Upper

64 100

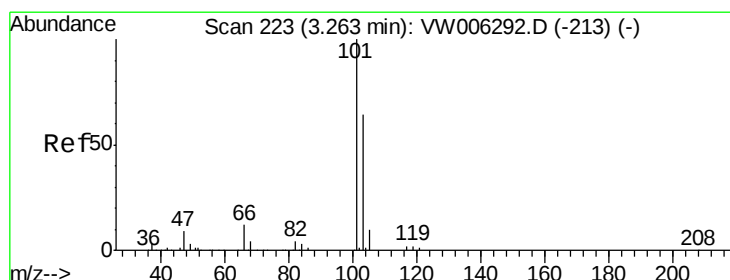
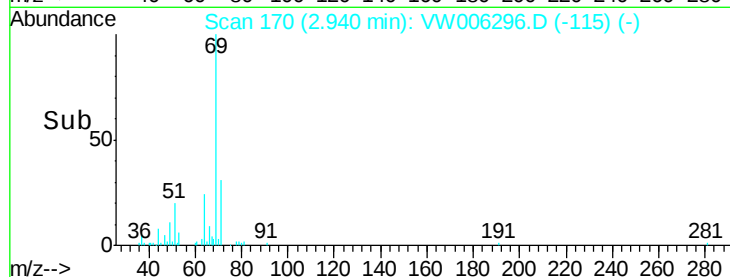
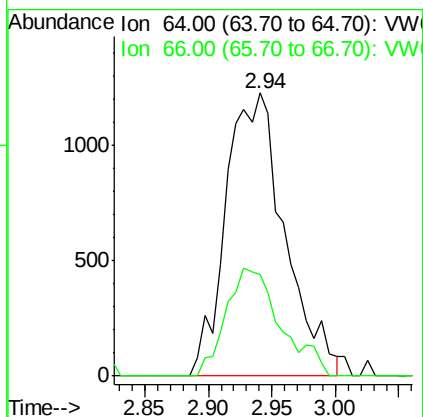
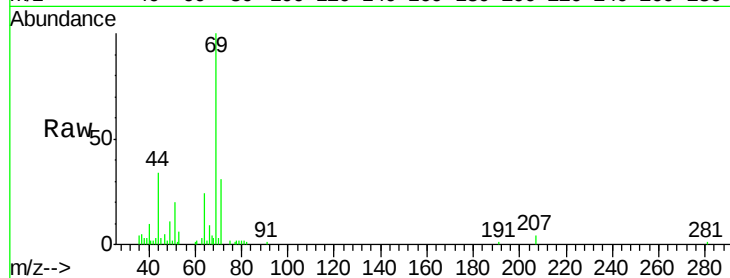
66 35.8 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.108 ug/L m

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006296.D

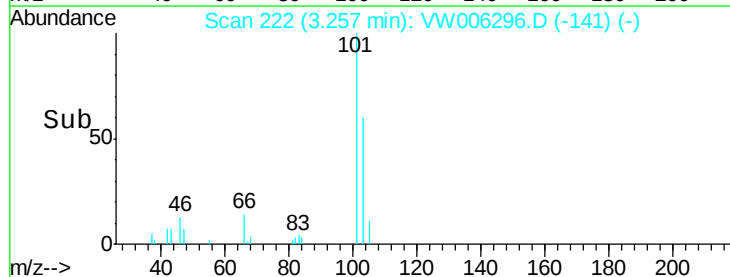
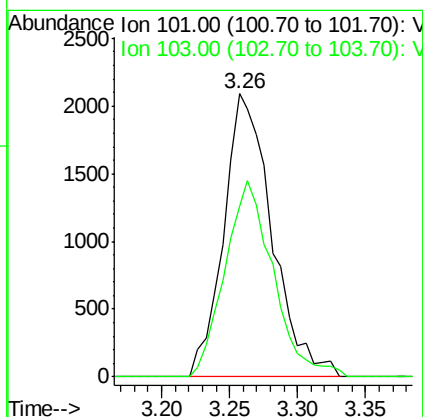
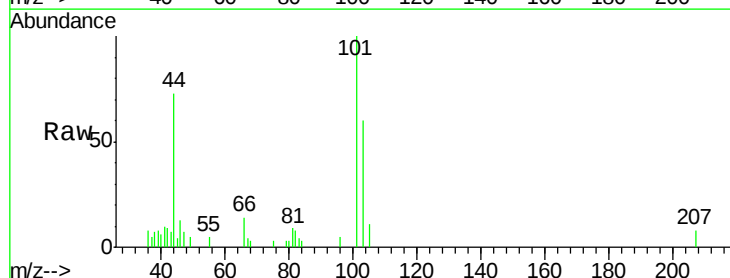
Acq: 23 Oct 2018 15:07

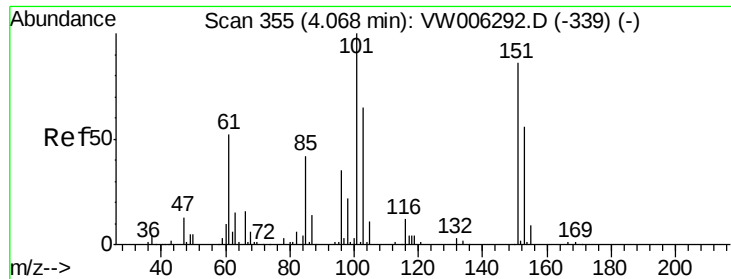
Tgt Ion: 101 Resp: 5146

Ion Ratio Lower Upper

101 100

103 69.0 45.6 84.6





#11

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

Concen: 1.428 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

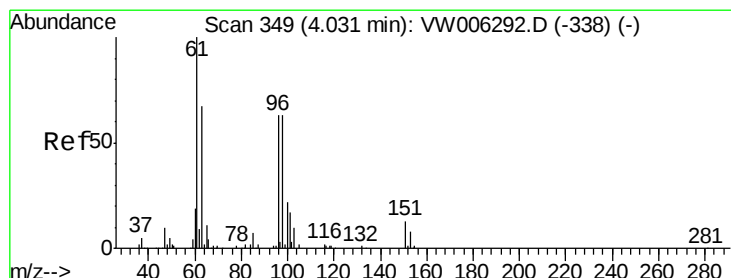
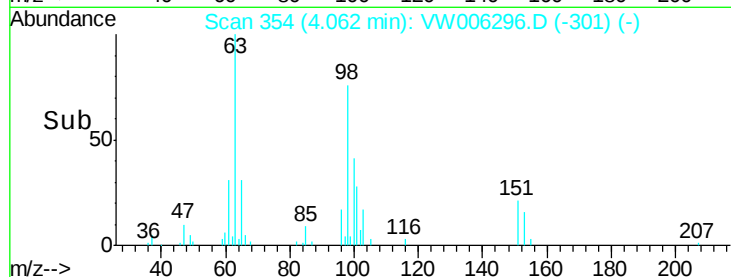
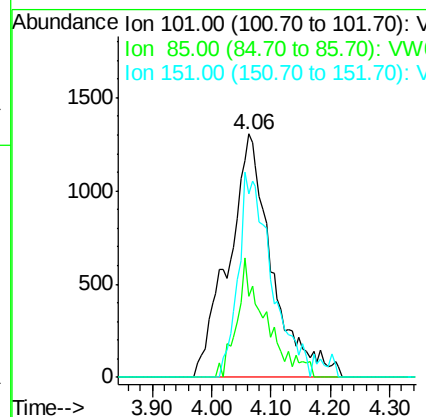
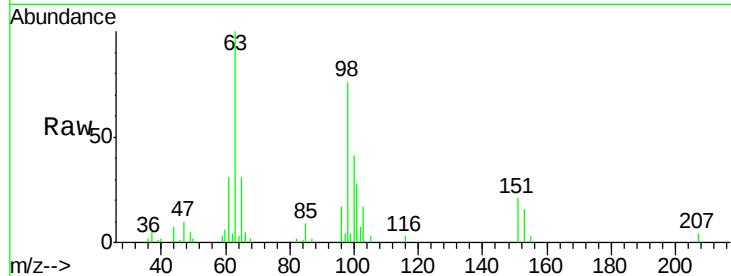
ClientSampleId :

MDL

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	6635		
85	13.0		33.4	50.2#
151	22.4		68.7	103.1#

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#12

1,1-Dichloroethene

Concen: 1.324 ug/L

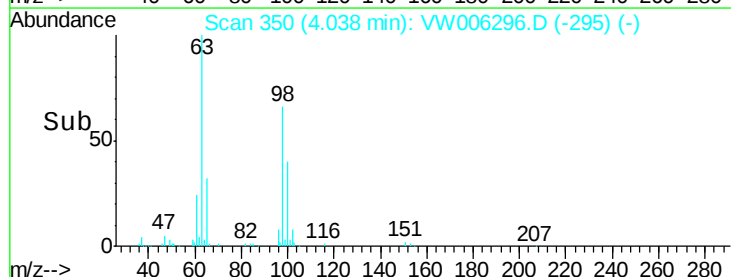
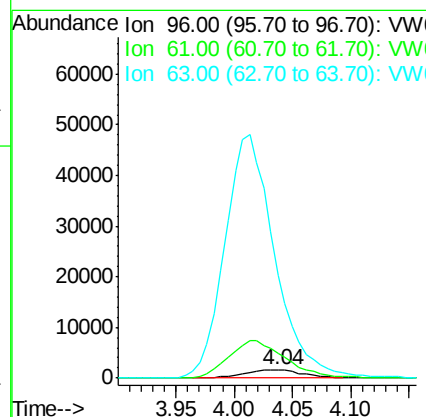
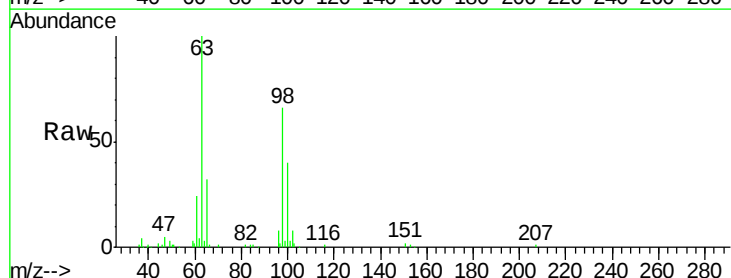
RT: 4.04 min Scan# 350

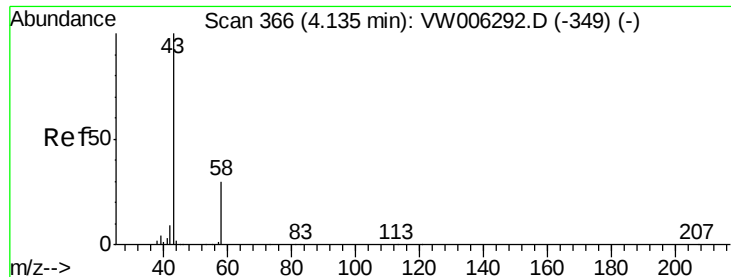
Delta R.T. 0.01 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	5901		
61	280.7		112.3	208.7#
63	1183.1		102.6	190.6#





#13

Acetone

Concen: 3.053 ug/L m

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 43 Resp: 4476

Ion Ratio Lower Upper

43 100

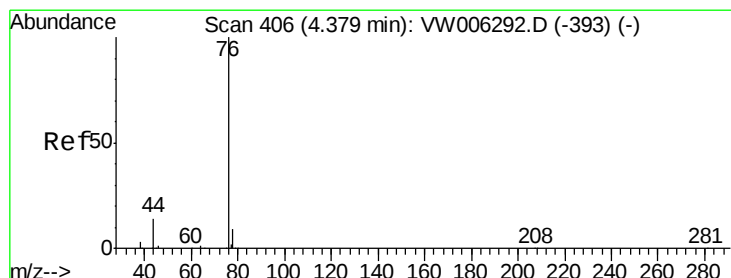
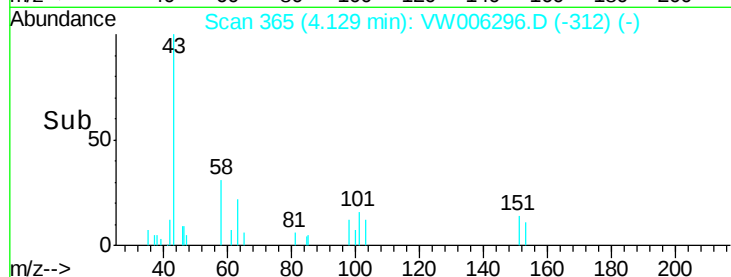
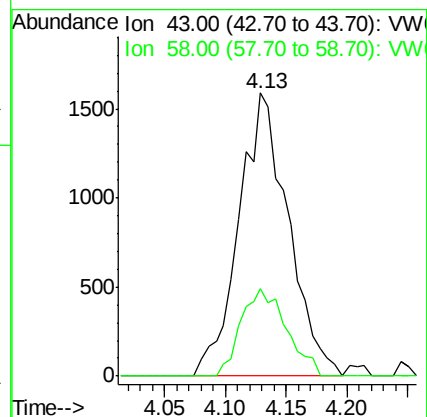
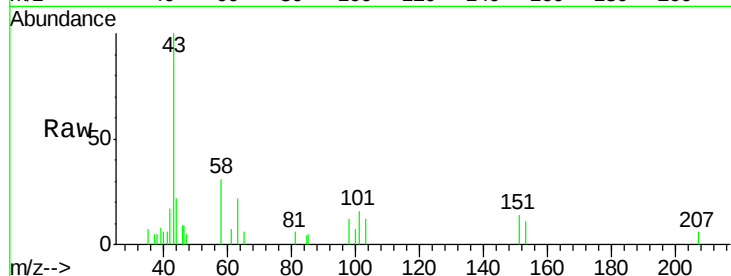
58 28.4 0.0 61.2

Manual Integrations

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10/24/2018 2:07:11 PM



#14

Carbon disulfide

Concen: 0.899 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006296.D

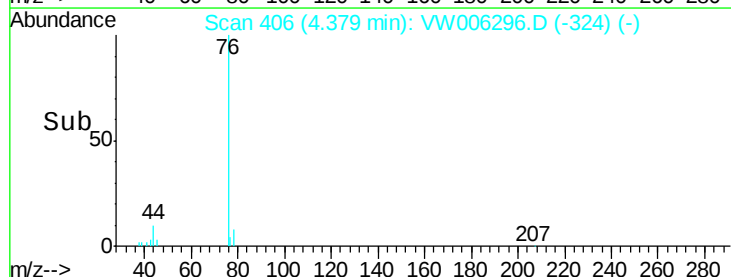
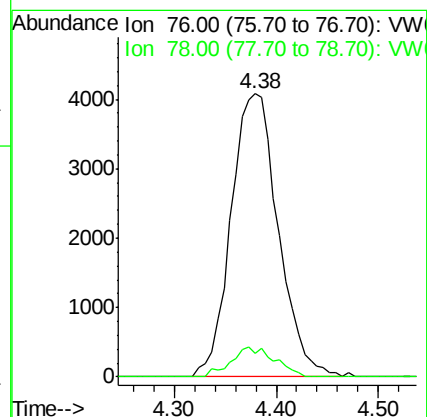
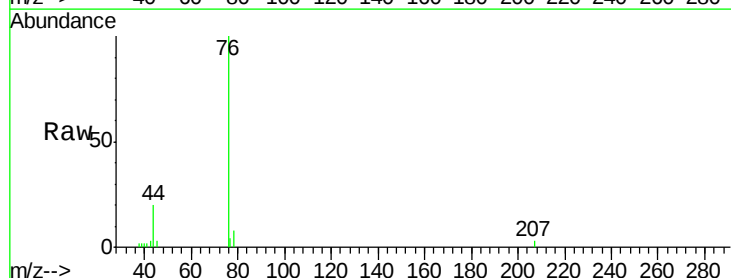
Acq: 23 Oct 2018 15:07

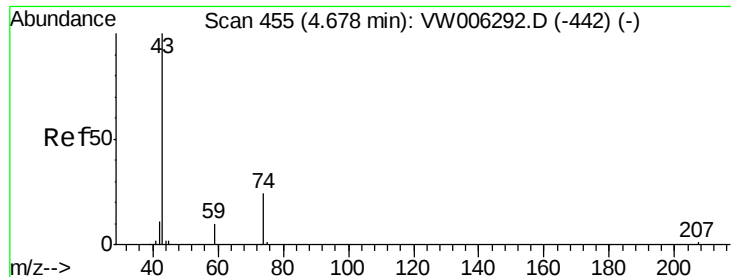
Tgt Ion: 76 Resp: 13097

Ion Ratio Lower Upper

76 100

78 8.2 7.6 11.4





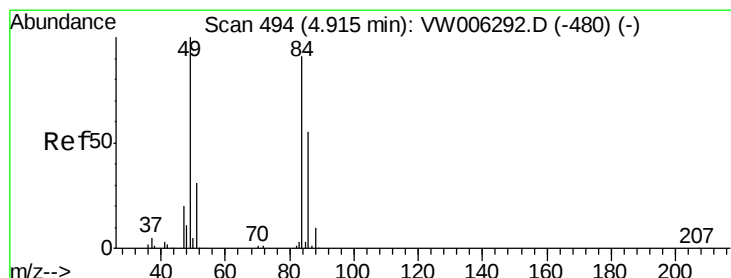
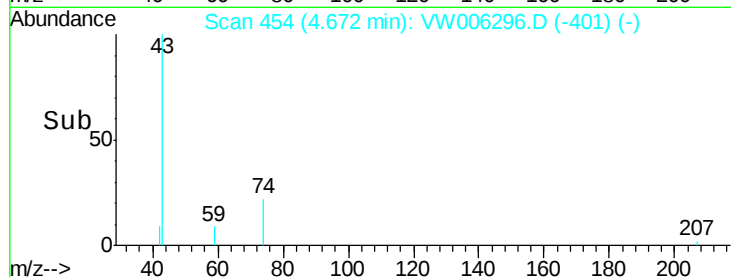
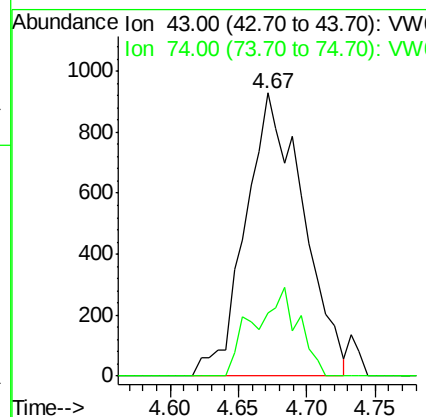
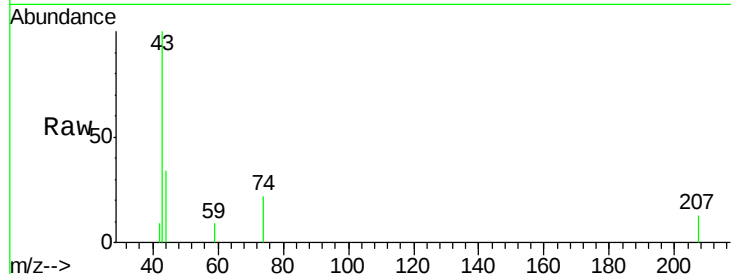
#15
Methyl Acetate
Concen: 1.147 ug/L m
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 43 Resp: 2724
Ion Ratio Lower Upper
43 100
74 16.2 19.4 29.2#

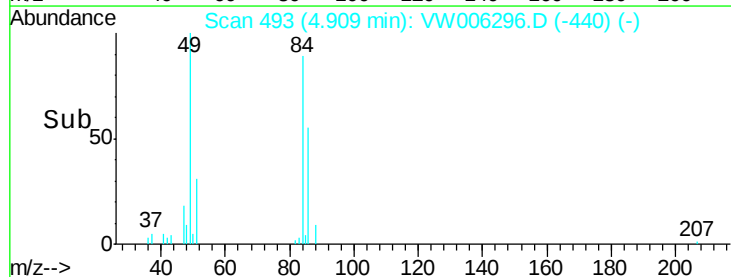
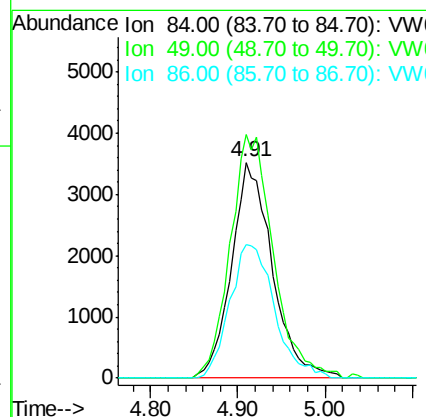
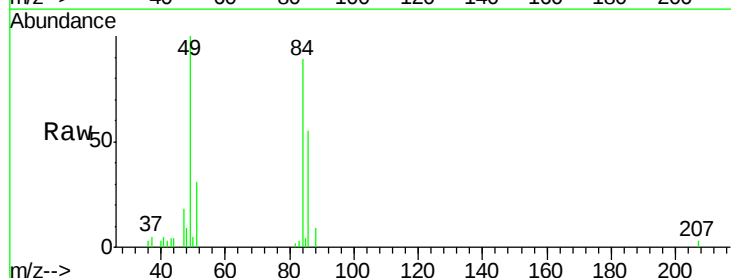
Manual Integrations
APPROVED

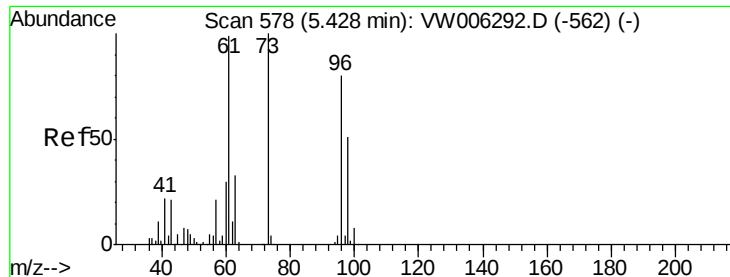
MMDadoda
10/24/2018 2:07:11 PM



#16
Methylene chloride
Concen: 2.285 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion: 84 Resp: 11454
Ion Ratio Lower Upper
84 100
49 112.7 83.5 155.1
86 62.1 44.9 83.5





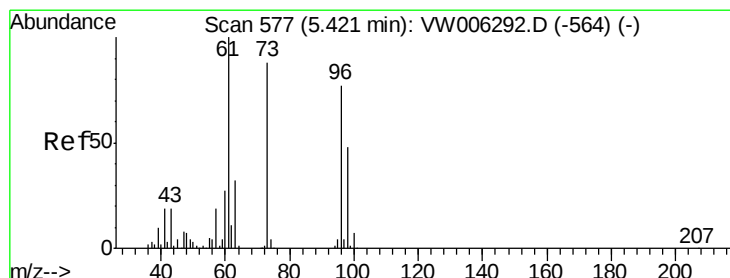
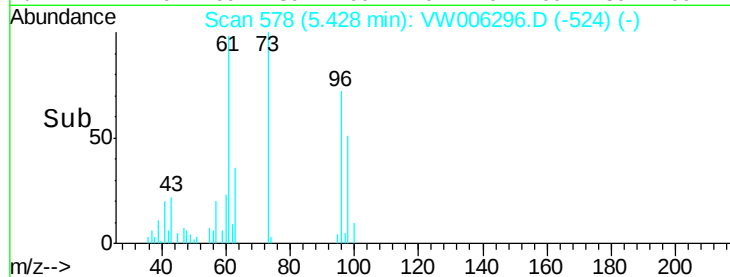
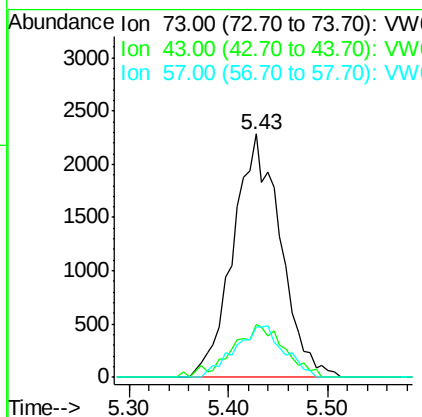
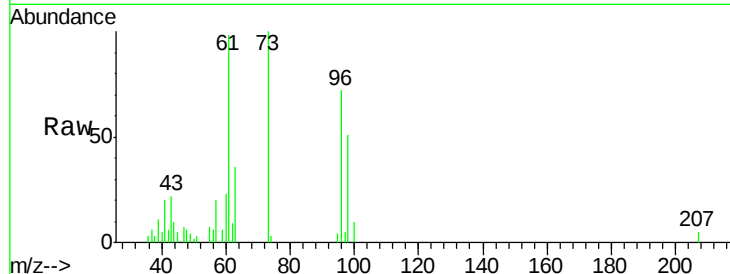
#17
Methyl tert-butyl Ether
Concen: 1.040 ug/L m
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 73 Resp: 7547
Ion Ratio Lower Upper
73 100
43 14.2 17.0 25.4#
57 21.7 17.1 25.7

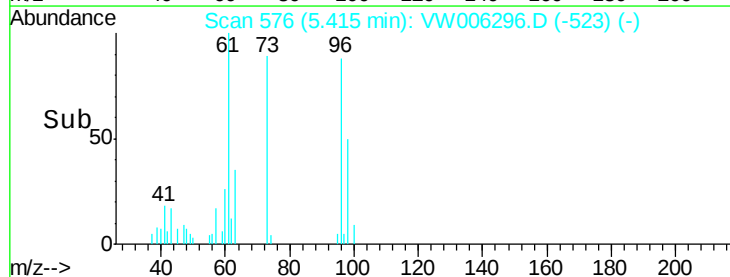
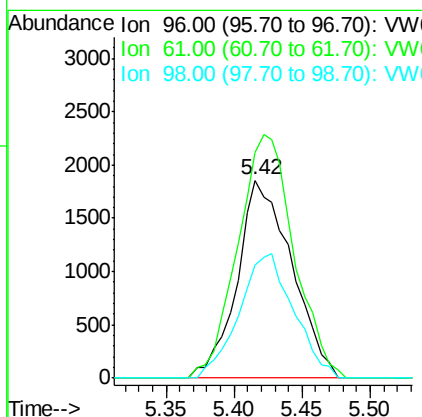
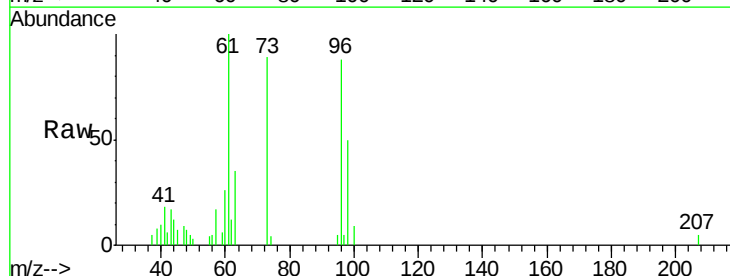
Manual Integrations
APPROVED

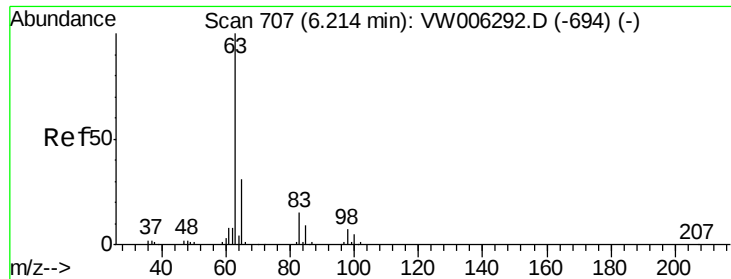
MMDadoda
10/24/2018 2:07:11 PM



#18
trans-1,2-Dichloroethene
Concen: 1.056 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion: 96 Resp: 5209
Ion Ratio Lower Upper
96 100
61 113.9 89.0 165.2
98 57.5 42.4 78.6





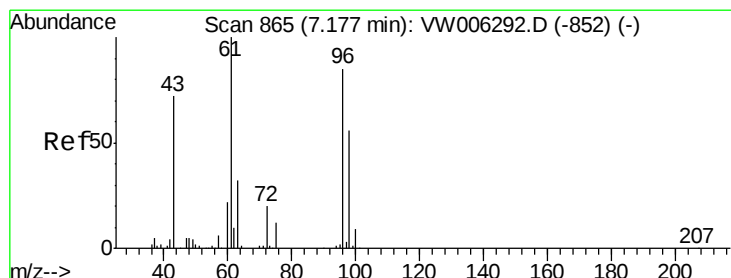
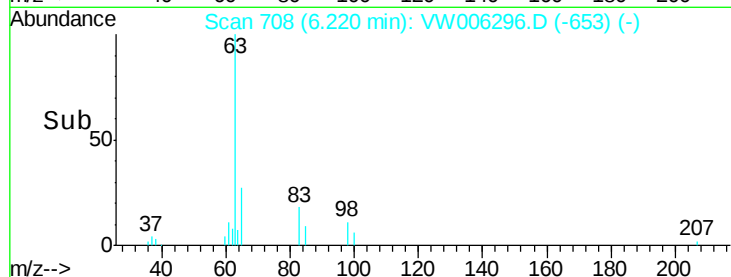
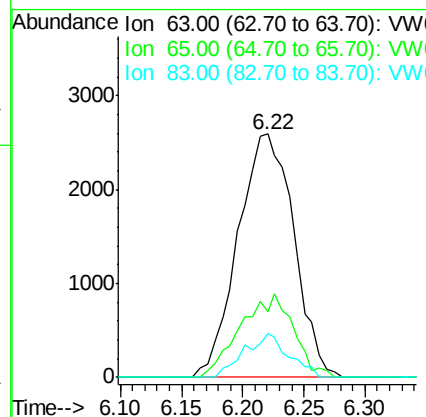
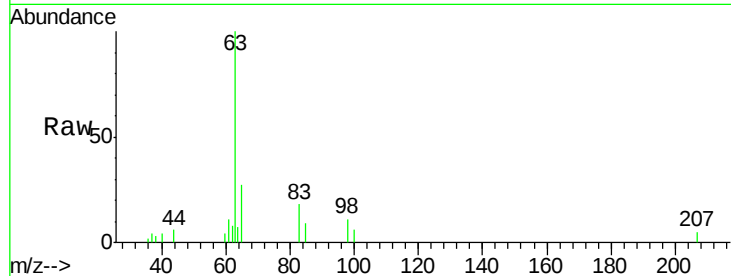
#19
 1,1-Dichloroethane
 Concen: 1.028 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
63	100		
65	26.8	22.3	41.5
83	17.9	9.7	18.1

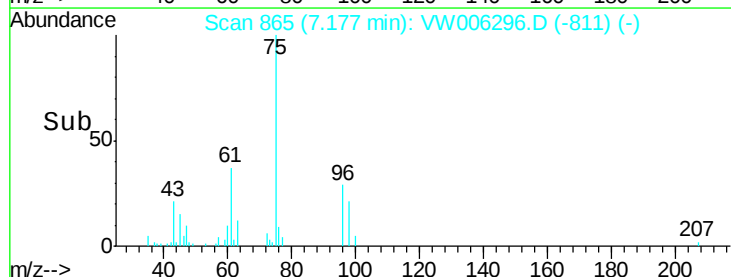
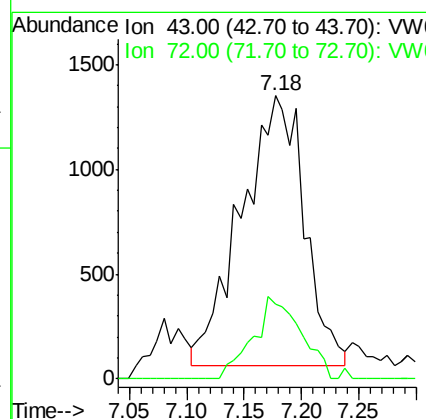
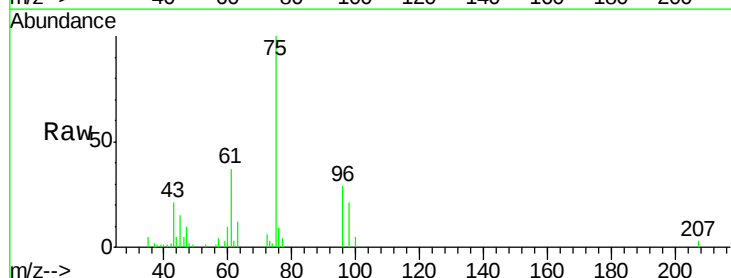
Manual Integrations
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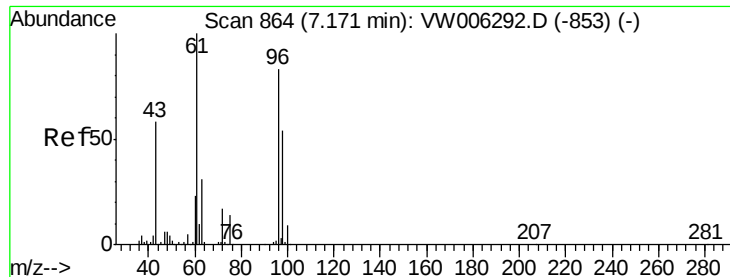
MMDadoda
 10/24/2018 2:07:11 PM



#21
 2-Butanone
 Concen: 2.529 ug/L m
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	16.6	13.8	41.4





#22

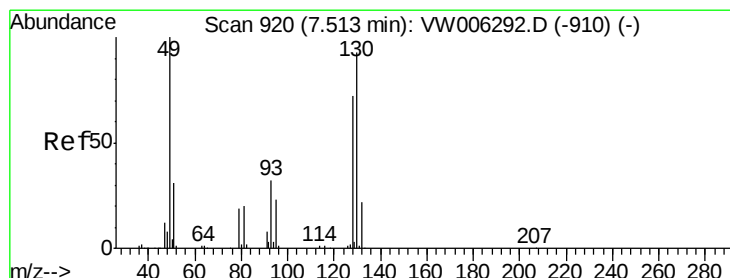
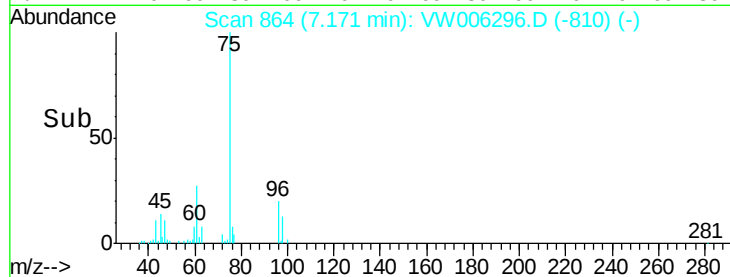
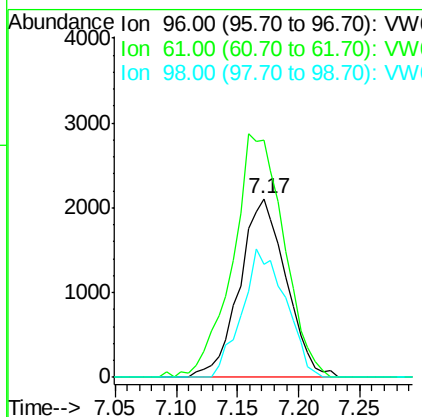
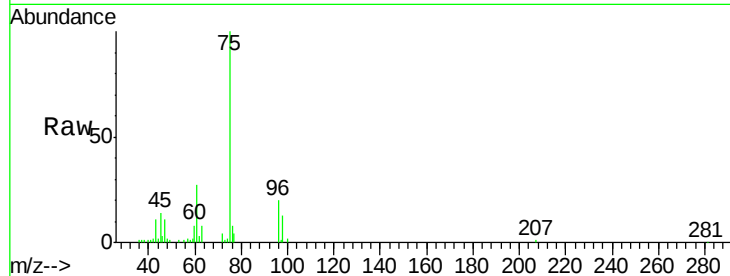
cis-1,2-Dichloroethene
 Concen: 1.036 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.9	85.1	158.1
98	63.2	46.3	86.1

Manual Integrations
 APPROVED

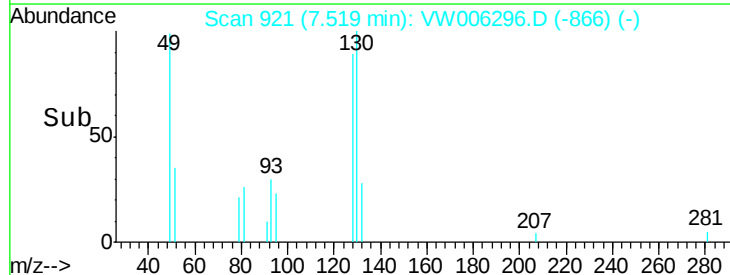
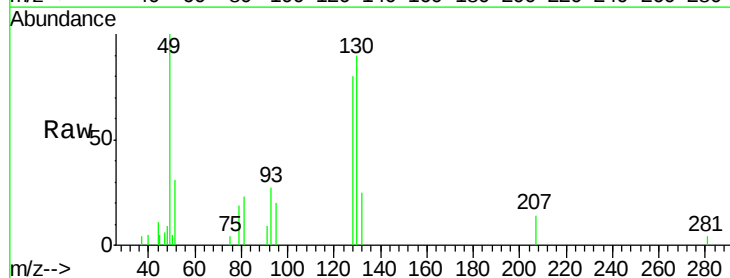
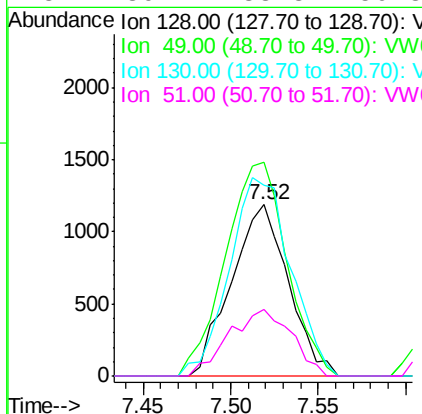
MMDadoda
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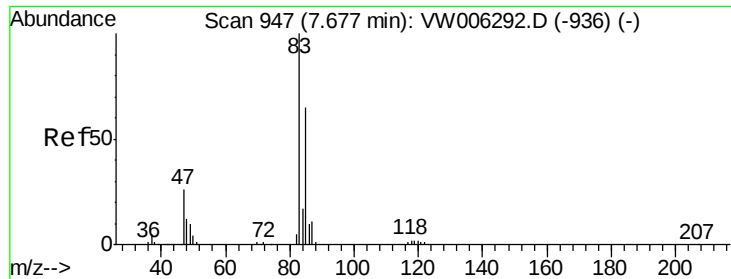


#23

Bromochloromethane
 Concen: 1.064 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	124.9	95.2	176.8
130	111.8	86.3	160.3
51	39.1	33.8	50.8





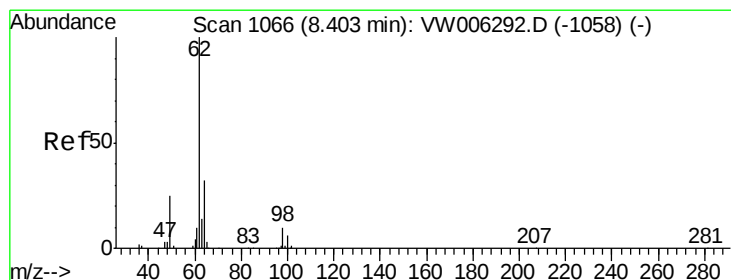
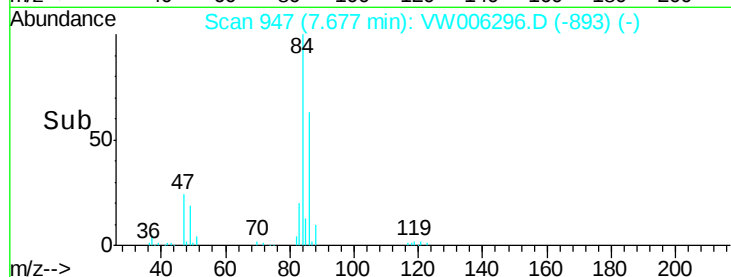
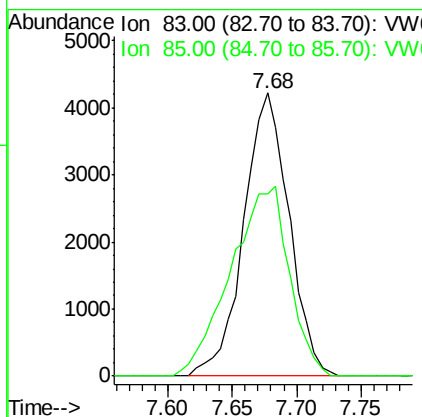
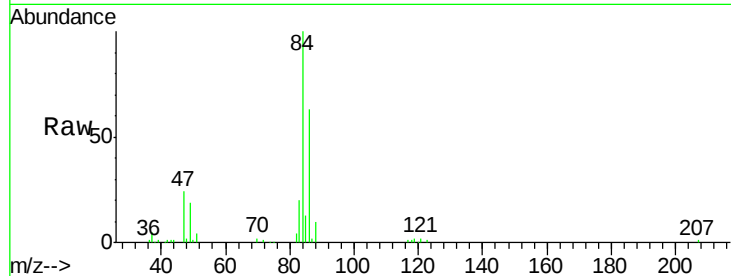
#25
Chloroform
Concen: 1.196 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion	Ratio	Lower	Upper
83	100		
85	86.7	46.3	85.9#

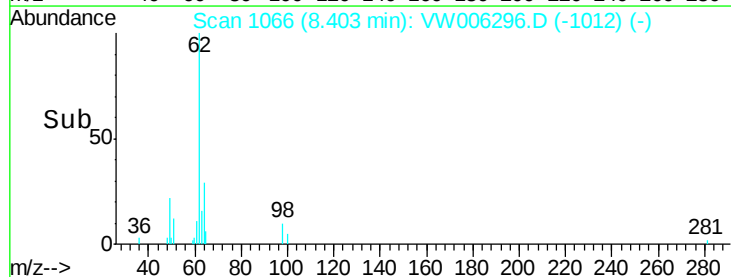
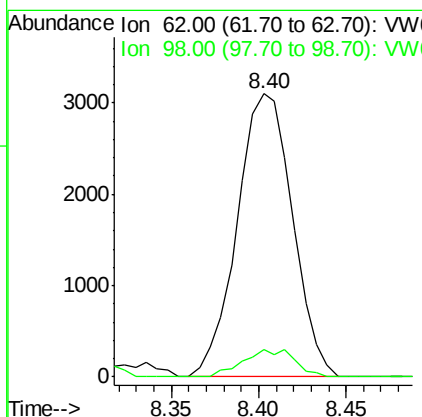
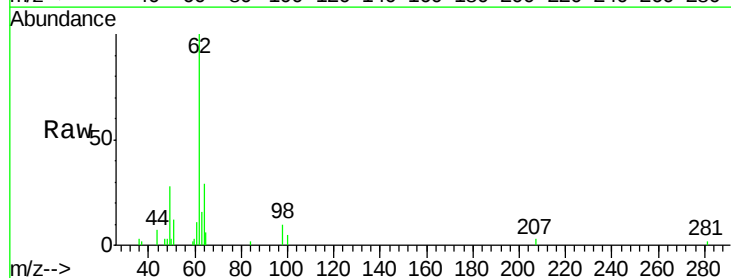
Manual Integrations
APPROVED

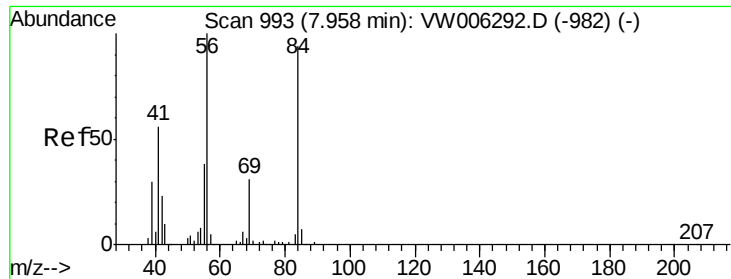
MMDadoda
10/24/2018 2:07:11 PM



#27
1,2-Dichloroethane
Concen: 1.170 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.0	12.0





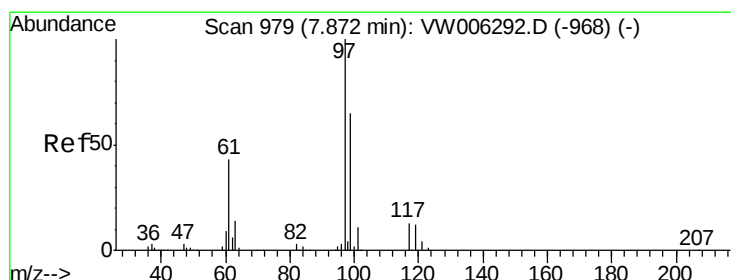
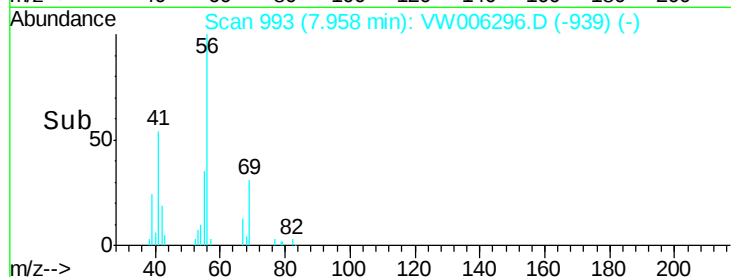
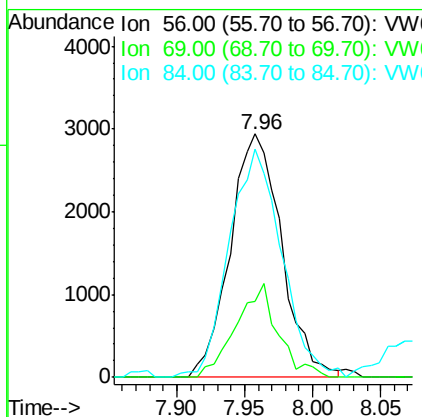
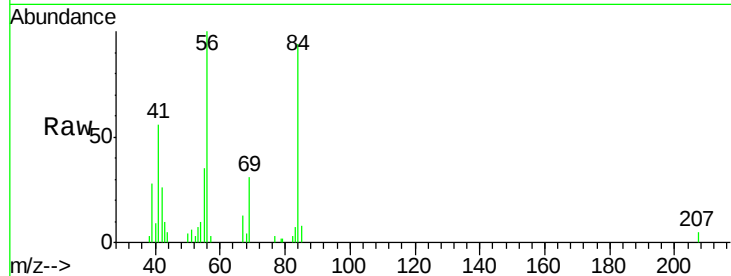
#30
Cyclohexane
Concen: 0.965 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.0
84	95.3	73.9	110.9

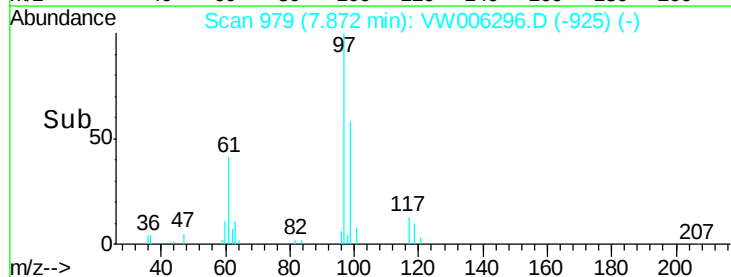
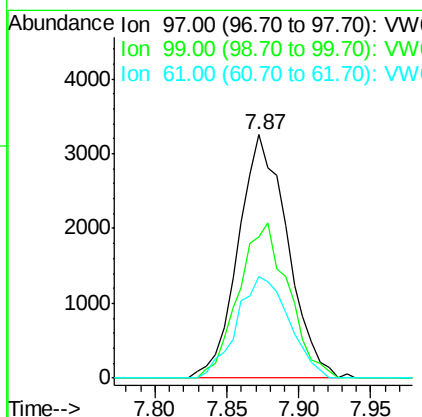
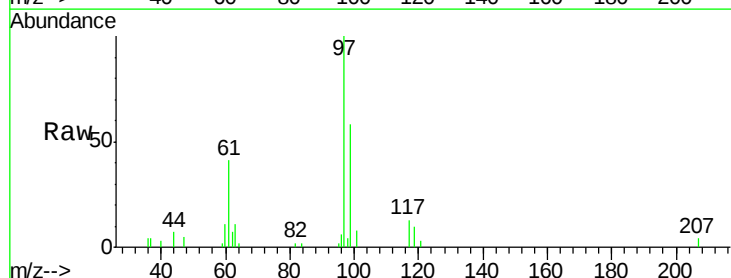
Manual Integrations
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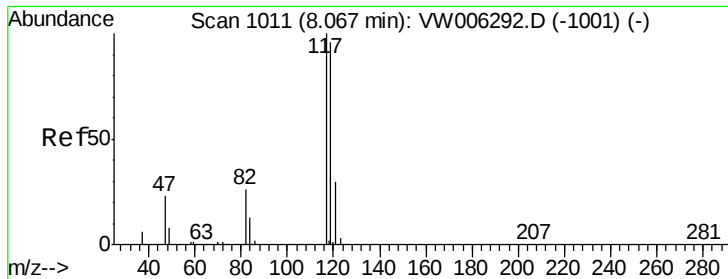
MMDadoda
10/24/2018 2:07:11 PM



#31
1,1,1-Trichloroethane
Concen: 1.008 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	44.2	33.6	50.4





#32

Carbon tetrachloride

Concen: 0.949 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion:117 Resp: 7120

Ion Ratio Lower Upper

117 100

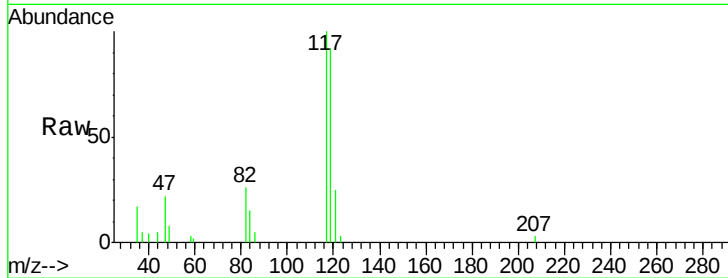
119 94.9 76.9 115.3

Manual Integrations

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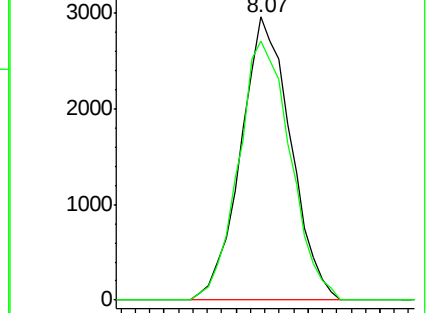
MMDadoda

10/24/2018 2:07:11 PM

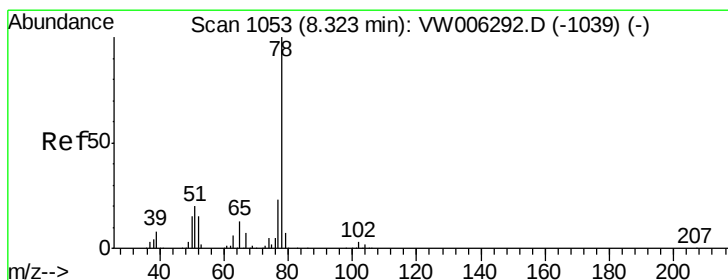
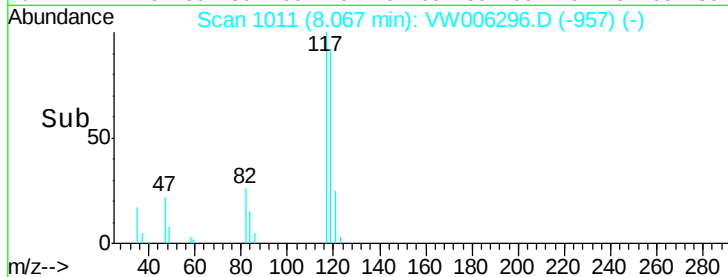


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 1.092 ug/L

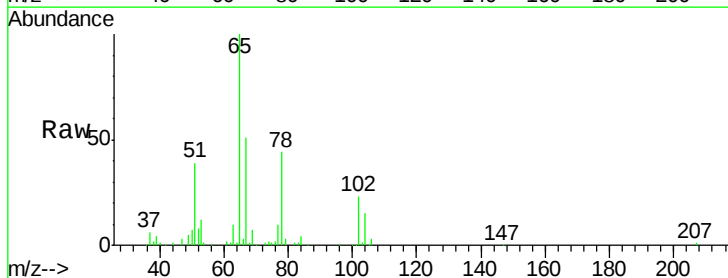
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

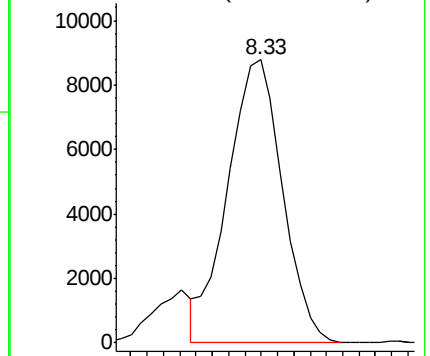
Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

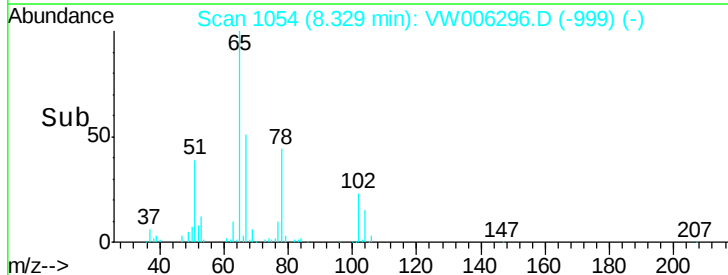
Tgt Ion: 78 Resp: 20489

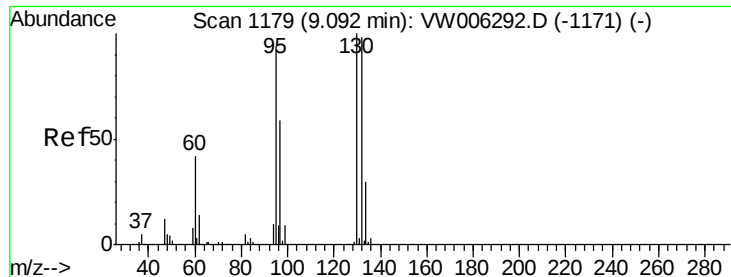


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





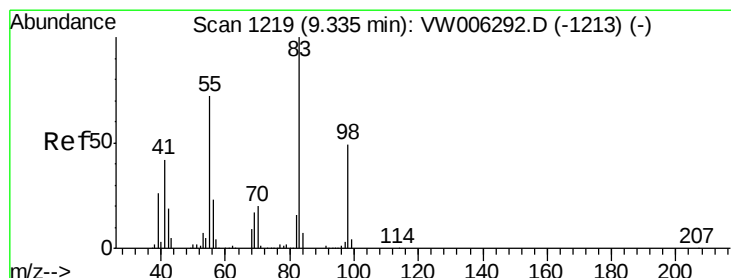
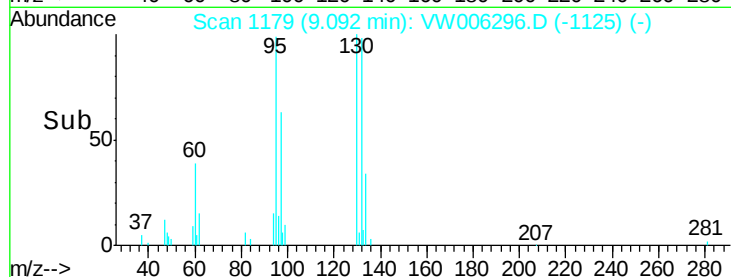
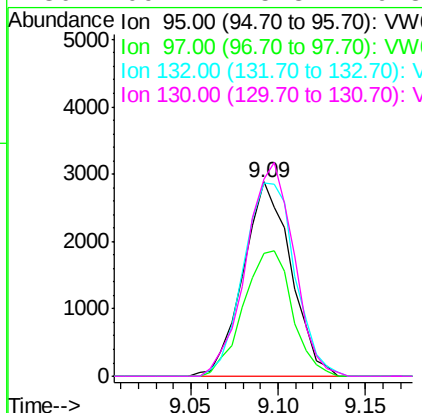
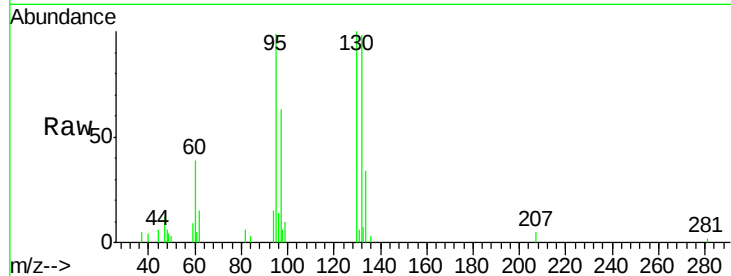
#35
 Trichloroethene
 Concen: 1.042 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.8	85.0
132	107.3	72.9	135.3
130	109.7	75.8	140.8

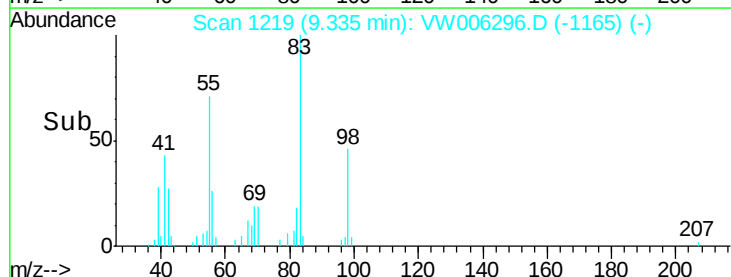
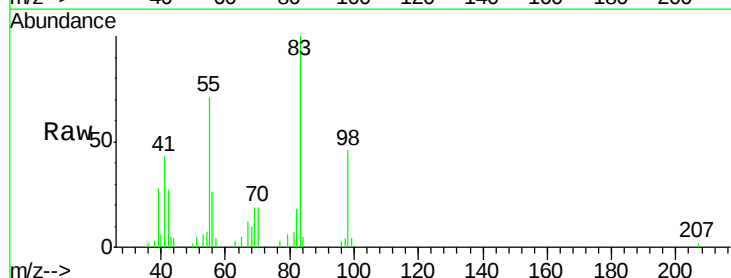
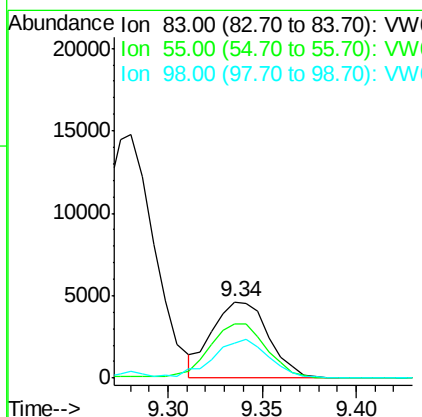
Manual Integrations
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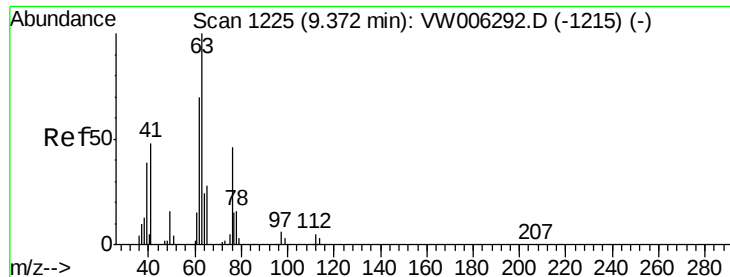
MMDadoda
 10/24/2018 2:07:11 PM



#36
 Methylcyclohexane
 Concen: 0.994 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.1	85.7
98	49.5	38.9	58.3





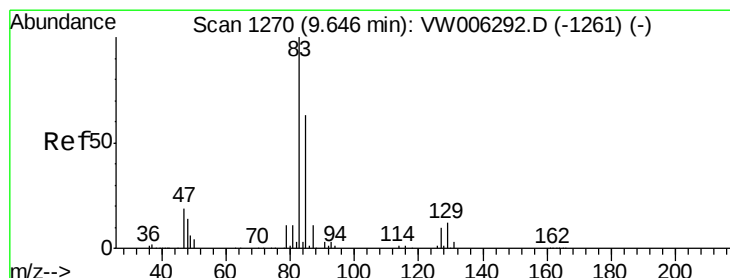
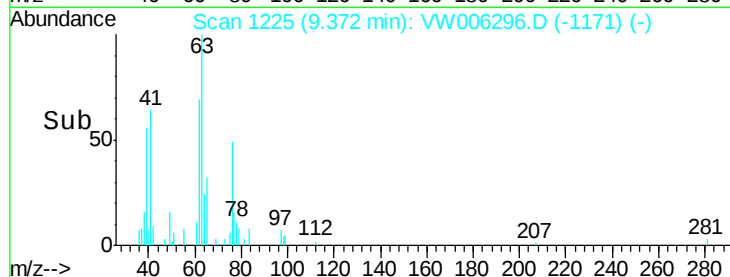
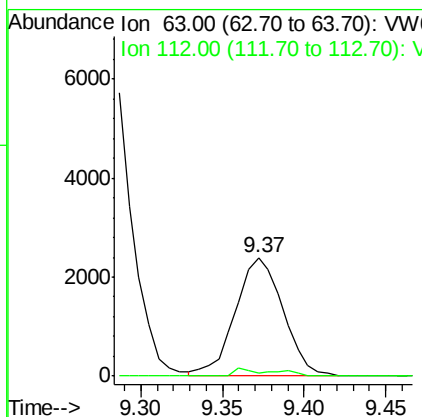
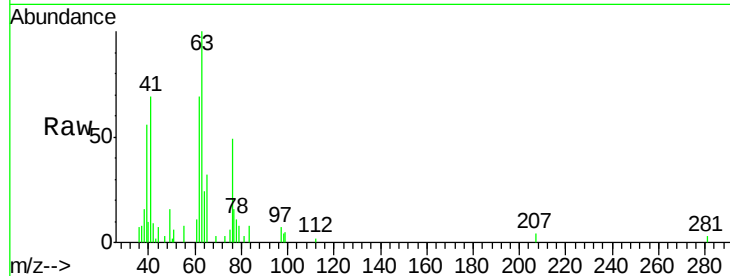
#40
1,2-Dichloropropane
Concen: 1.049 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 63 Resp: 4885
Ion Ratio Lower Upper
63 100
112 2.4 3.5 5.3#

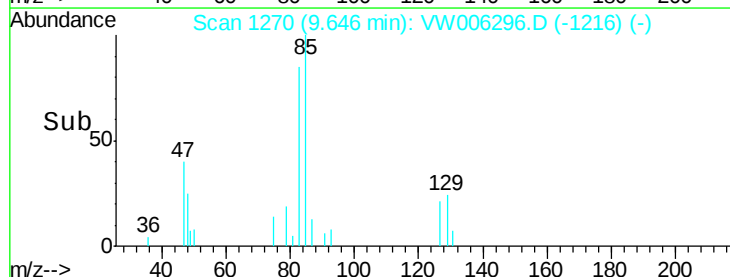
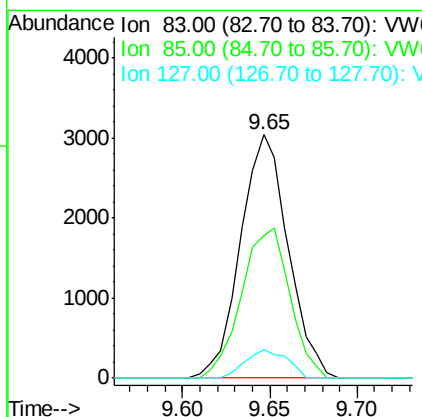
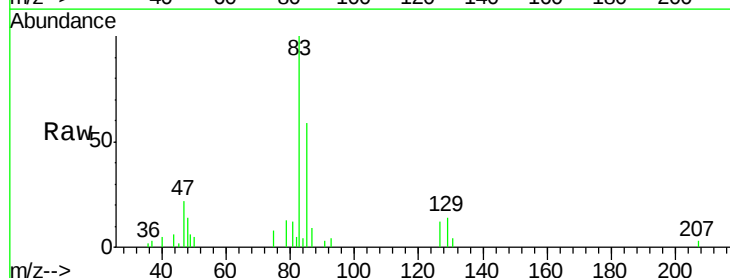
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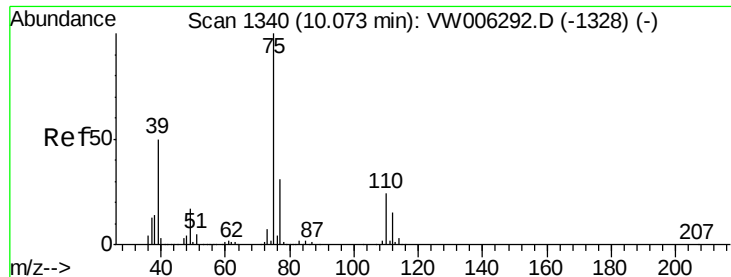
MMDadoda
10/24/2018 2:07:11 PM



#41
Bromodichloromethane
Concen: 0.919 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion: 83 Resp: 5778
Ion Ratio Lower Upper
83 100
85 58.6 45.5 84.5
127 11.7 7.4 11.2#





#42

cis-1,3-Dichloropropene

Concen: 0.883 ug/L m

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 75 Resp: 6718

Ion Ratio Lower Upper

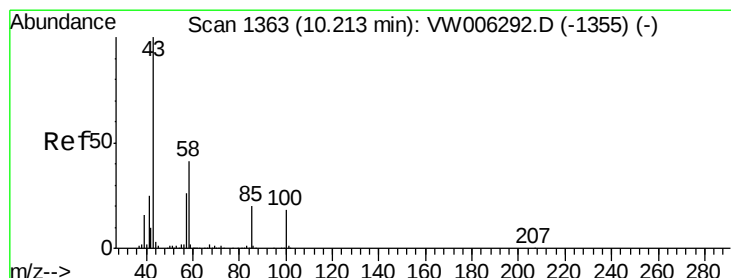
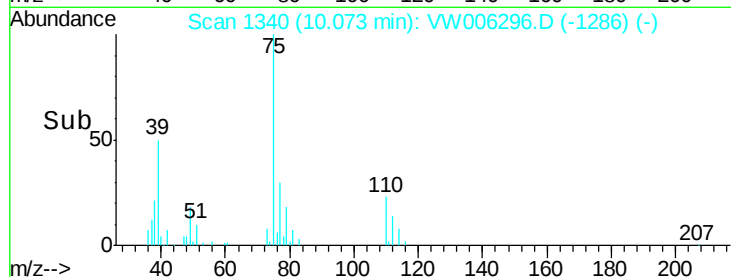
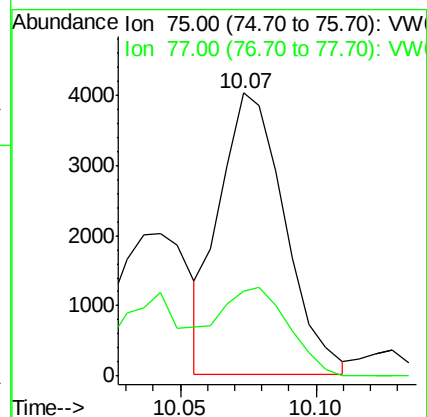
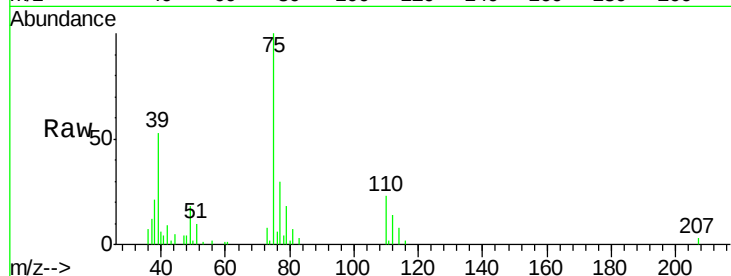
75 100

77 30.2 22.6 42.0

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#43

4-Methyl-2-pentanone

Concen: 1.943 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

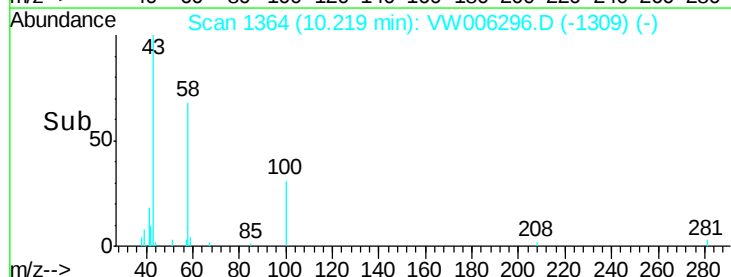
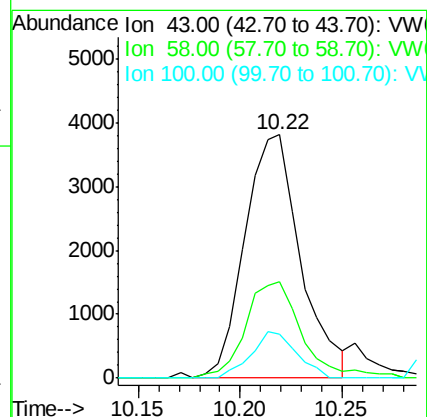
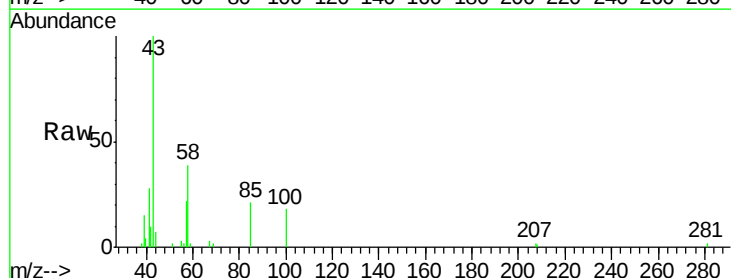
Tgt Ion: 43 Resp: 7250

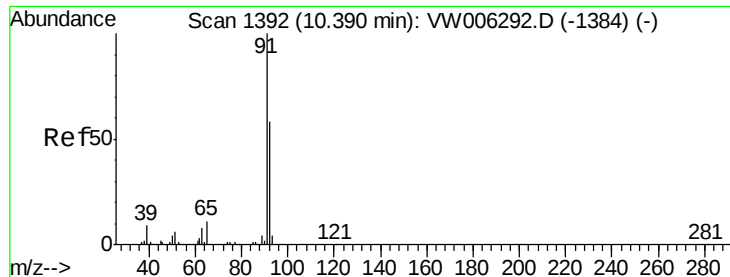
Ion Ratio Lower Upper

43 100

58 40.3 31.4 47.2

100 15.4 13.3 19.9





#44

Toluene

Concen: 1.140 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 91 Resp: 24028

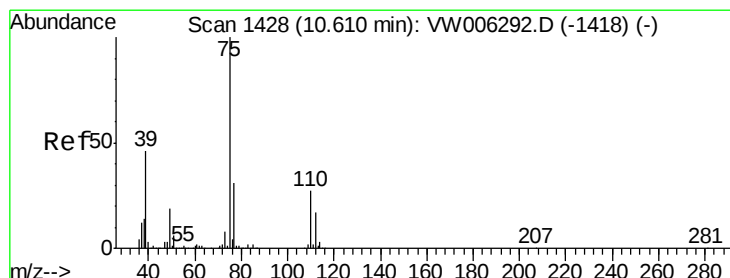
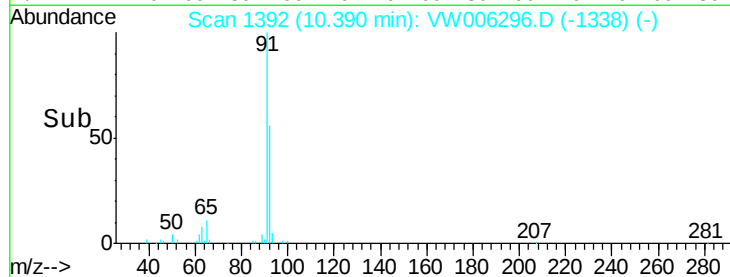
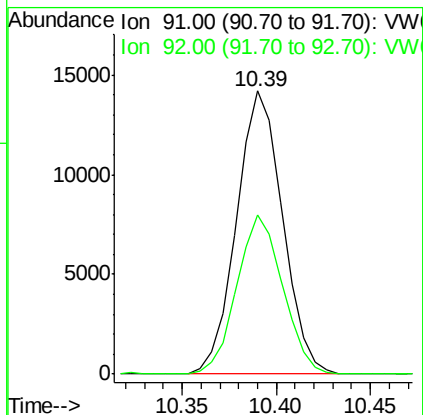
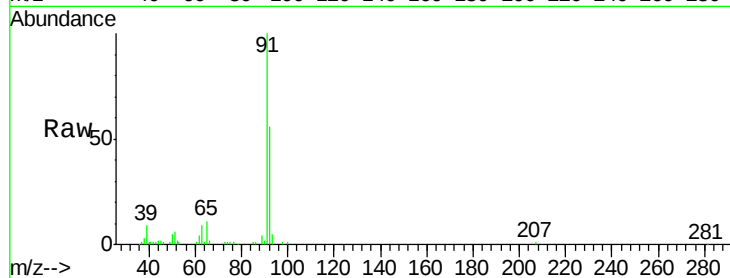
Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 1.266 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006296.D

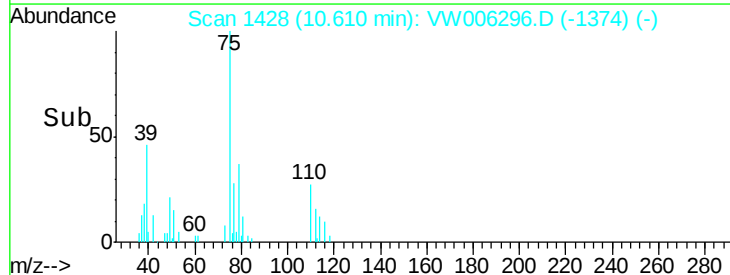
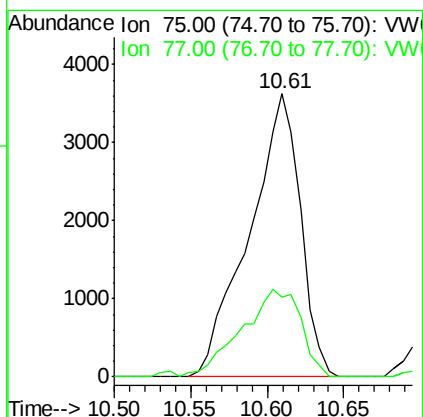
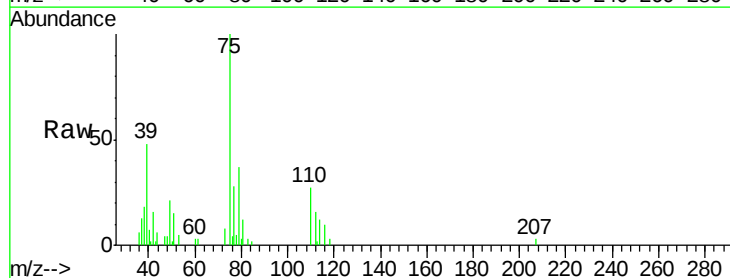
Acq: 23 Oct 2018 15:07

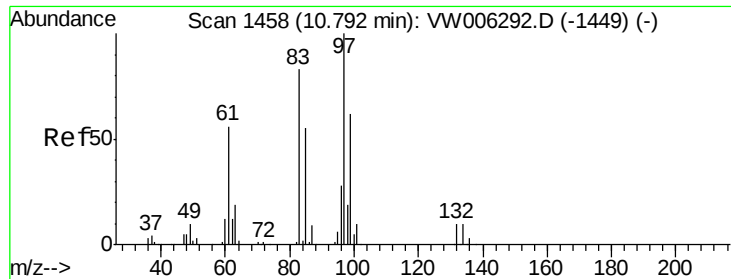
Tgt Ion: 75 Resp: 8412

Ion Ratio Lower Upper

75 100

77 28.4 22.4 41.6





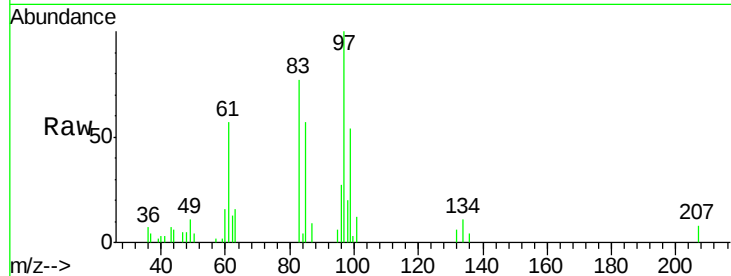
#46
1,1,2-Trichloroethane
Concen: 1.065 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampled :
MDL

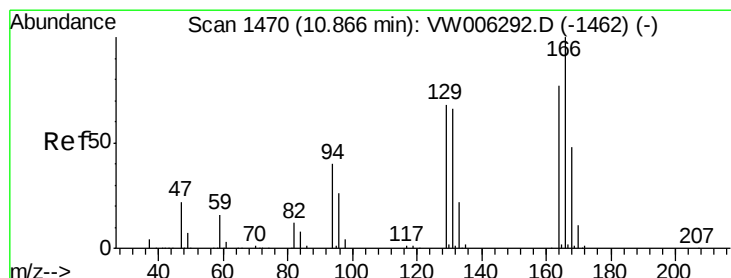
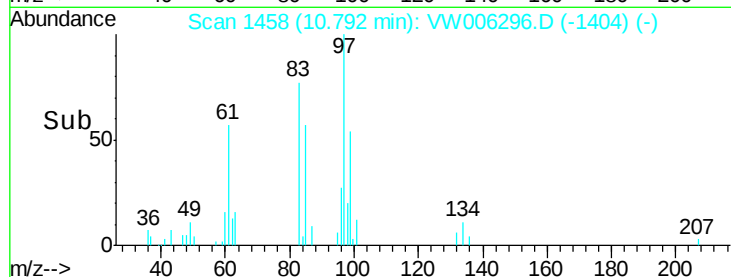
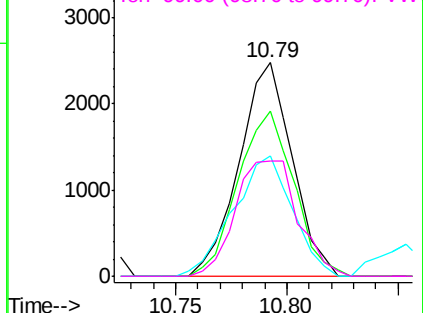
Tgt Ion:	97	Resp:	4130
Ion	Ratio	Lower	Upper
97	100		
83	77.1	60.0	111.4
85	56.5	38.7	71.9
99	54.1	44.3	82.3

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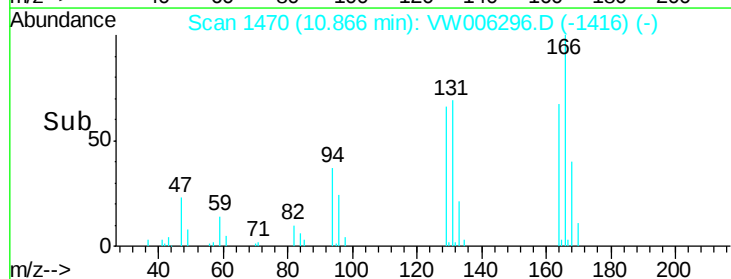
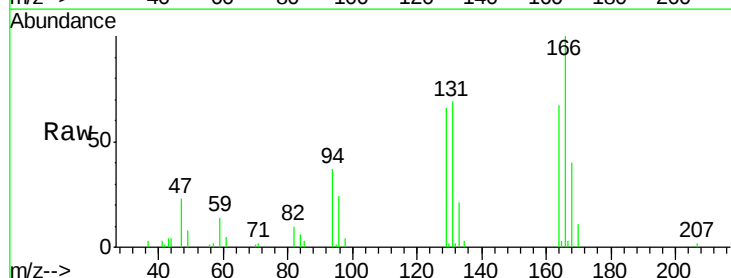
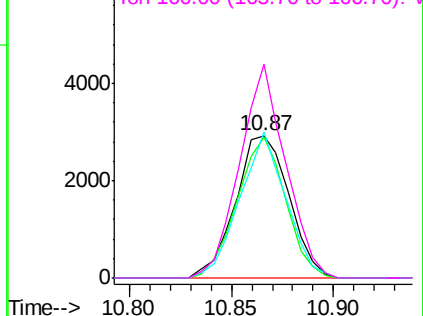
Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

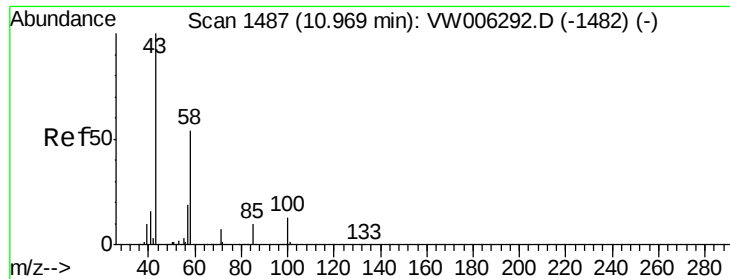


#47
Tetrachloroethene
Concen: 1.091 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion:	164	Resp:	5334
Ion	Ratio	Lower	Upper
164	100		
129	99.0	65.4	121.4
131	102.6	63.8	118.4
166	149.7	92.3	171.3

Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





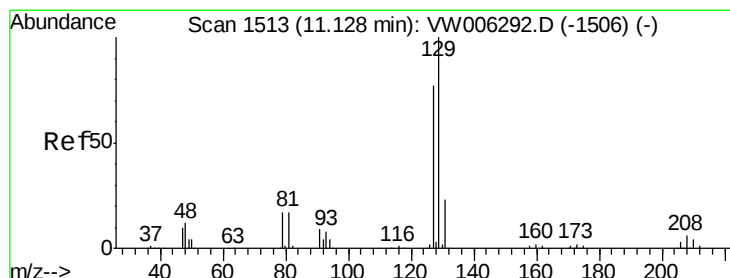
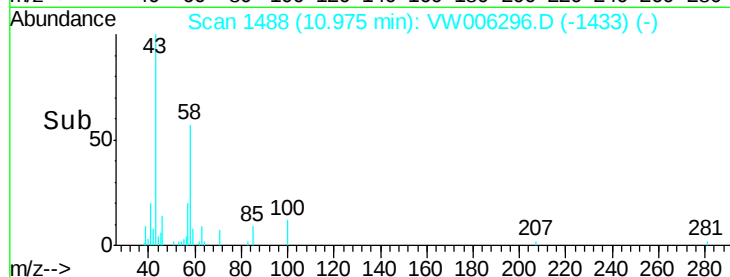
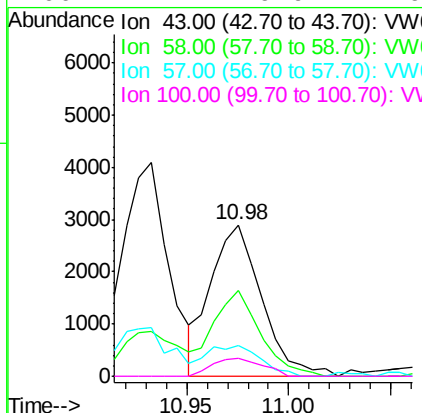
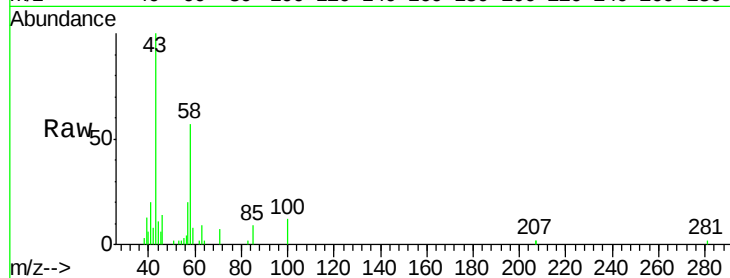
#49
2-Hexanone
Concen: 1.827 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 43 Resp: 5023
Ion Ratio Lower Upper
43 100
58 52.8 42.1 63.1
57 21.7 15.1 22.7
100 11.7 9.9 14.9

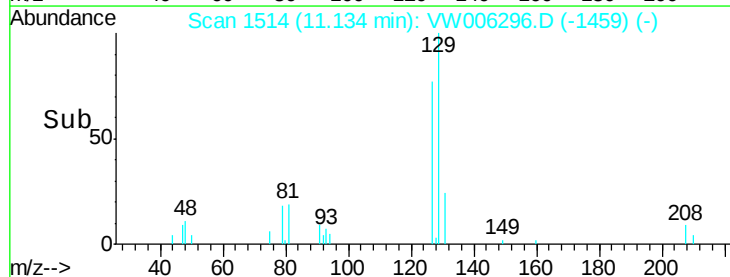
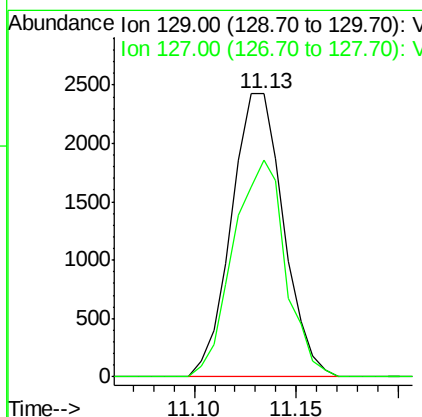
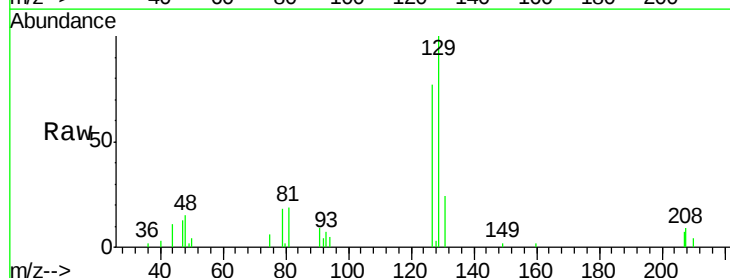
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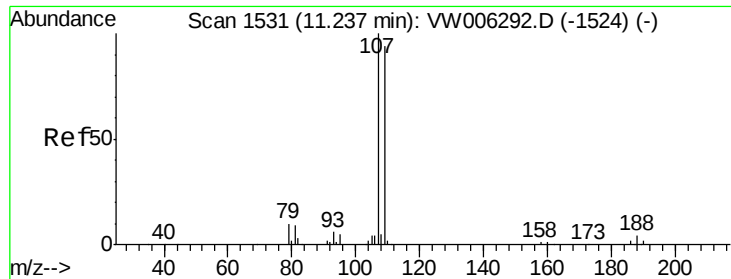
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#50
Dibromochloromethane
Concen: 0.868 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion: 129 Resp: 4313
Ion Ratio Lower Upper
129 100
127 79.5 54.4 101.0





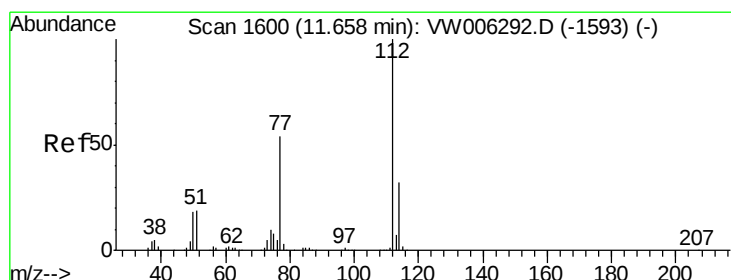
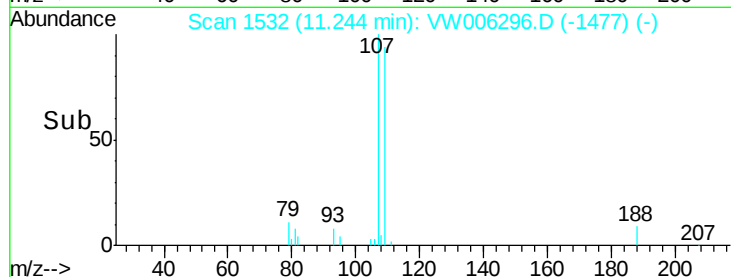
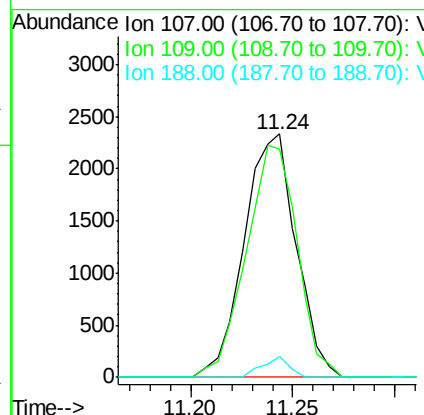
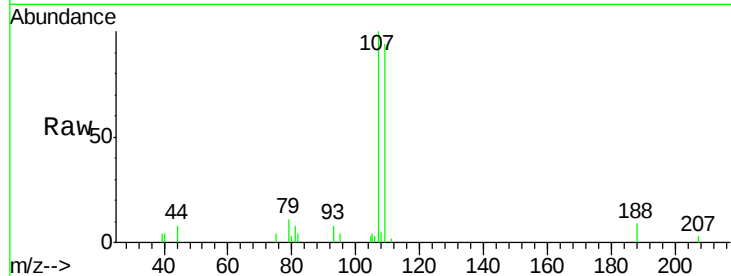
#51
1,2-Dibromoethane
Concen: 1.023 ug/L
RT: 11.24 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.6	123.8
188	8.7	3.4	5.0

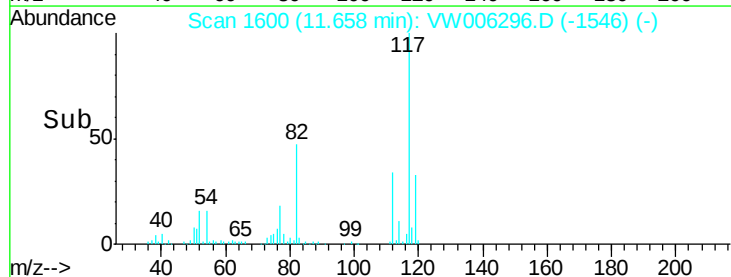
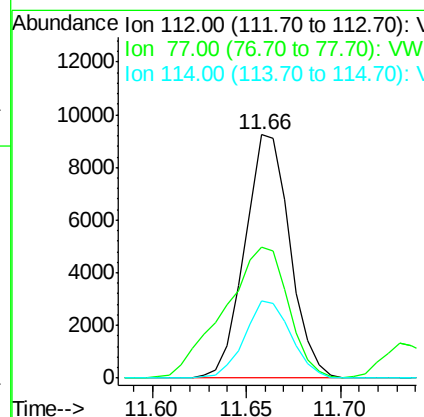
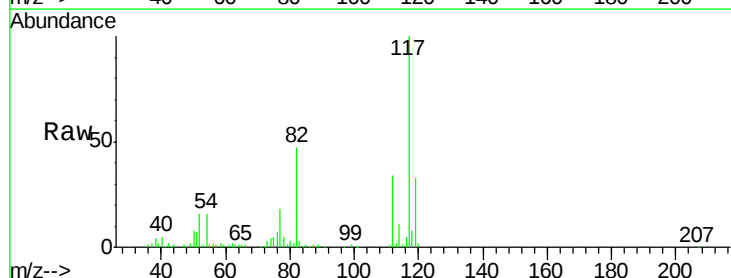
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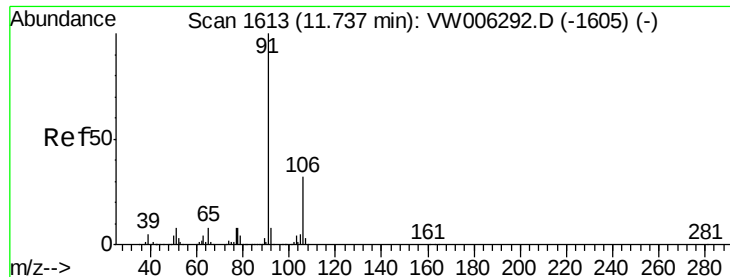
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#52
Chlorobenzene
Concen: 1.077 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.8	44.2	66.2
114	31.5	22.1	41.1





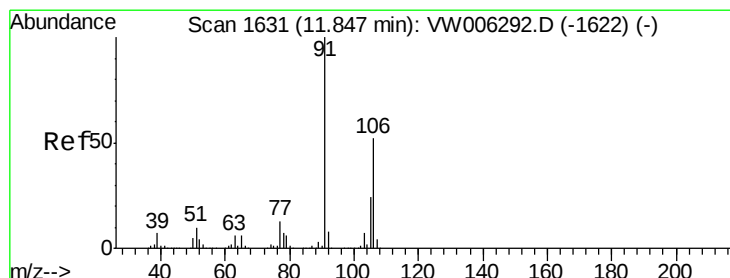
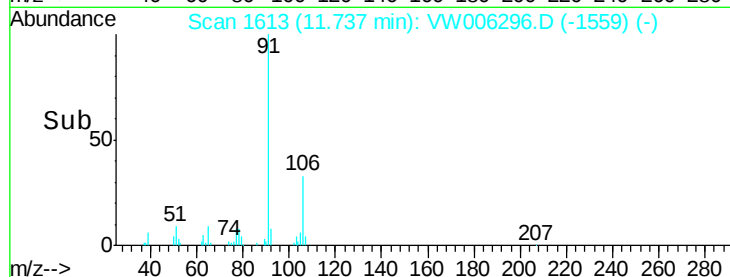
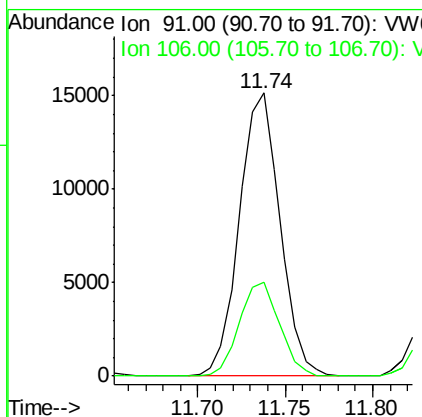
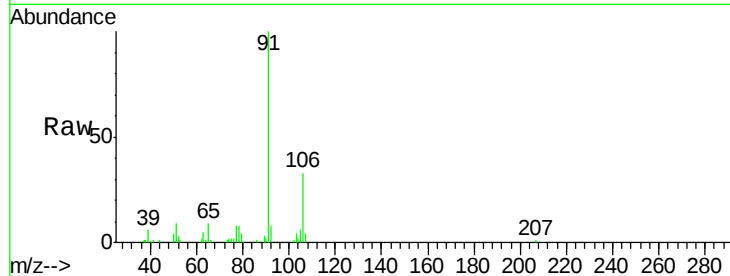
#53
Ethylbenzene
Concen: 1.003 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion: 91 Resp: 24611
Ion Ratio Lower Upper
91 100
106 33.4 22.6 42.0

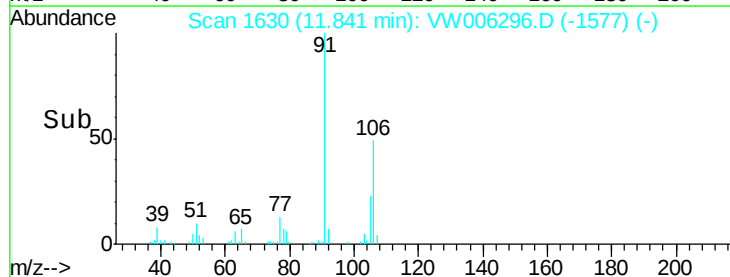
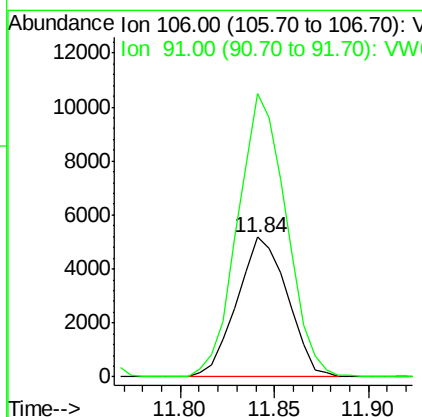
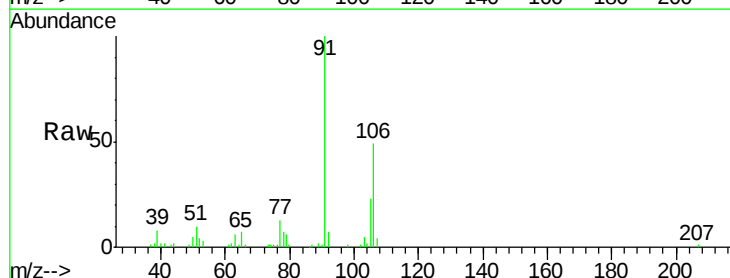
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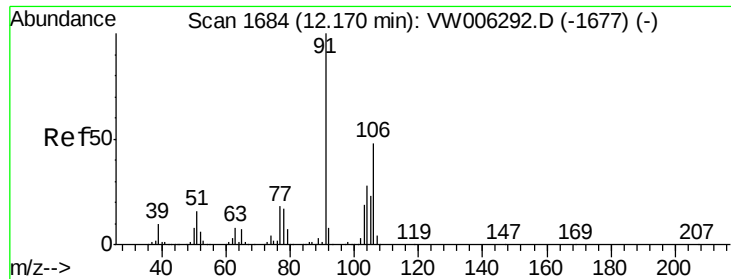
MMDadoda
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#54
m,p-Xylene
Concen: 1.002 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion: 106 Resp: 9636
Ion Ratio Lower Upper
106 100
91 202.3 138.4 257.0





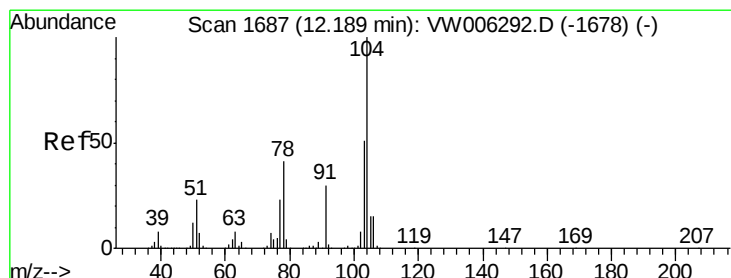
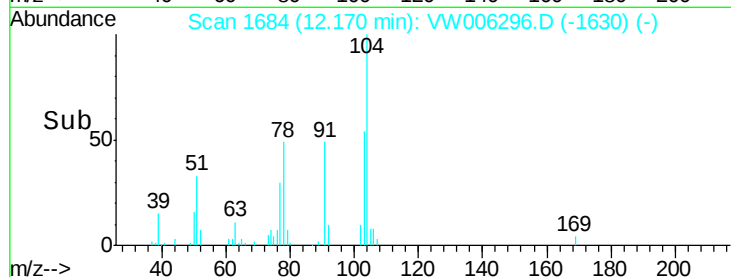
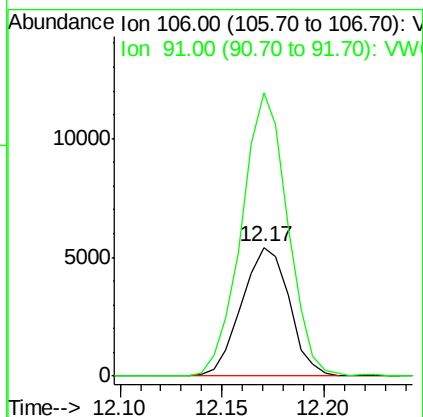
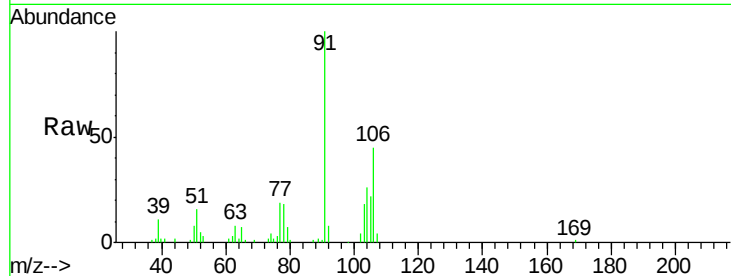
#55
o-xylene
Concen: 0.957 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampled :
MDL

Tgt Ion:106 Resp: 8791
Ion Ratio Lower Upper
106 100
91 220.0 148.7 276.1

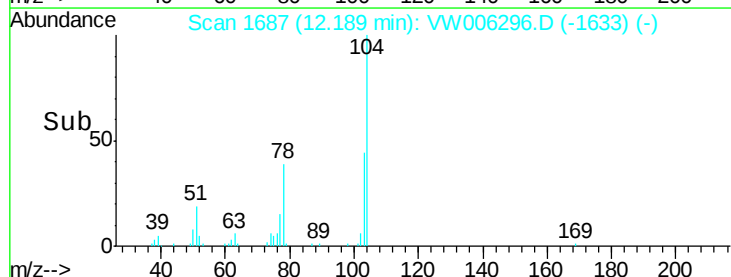
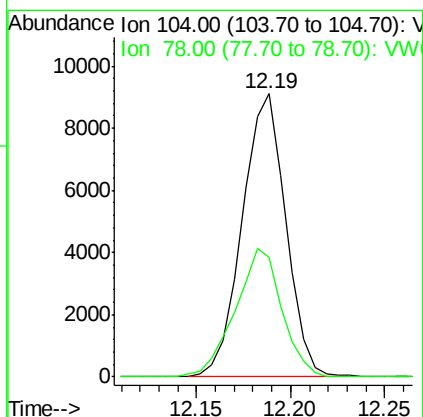
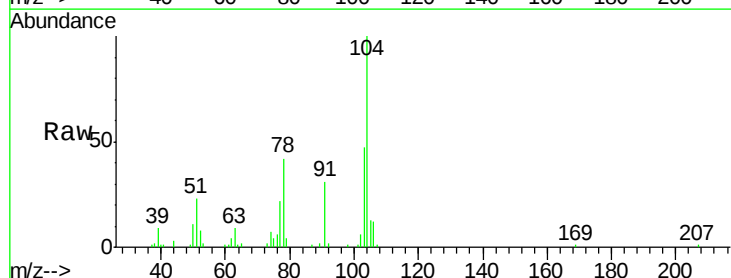
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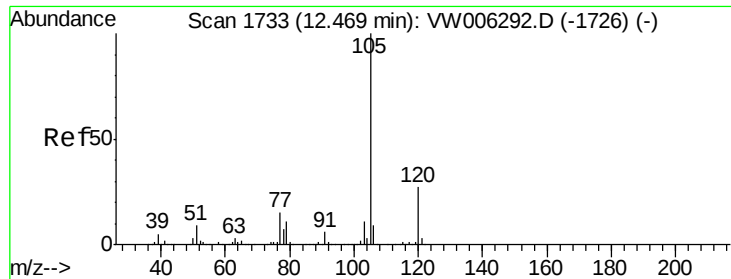
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#56
Styrene
Concen: 0.924 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion:104 Resp: 14617
Ion Ratio Lower Upper
104 100
78 42.1 31.2 58.0





#57

Isopropylbenzene

Concen: 0.942 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006296.D

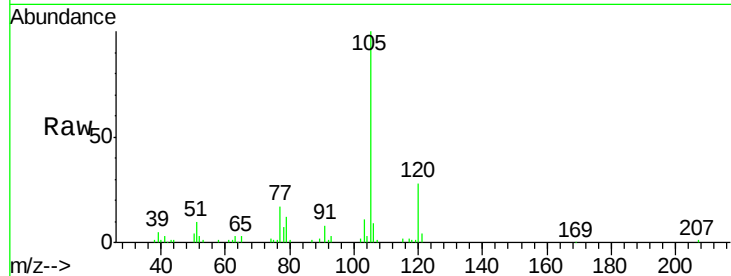
Acq: 23 Oct 2018 15:07

Instrument :

MSVOA_W

ClientSampled :

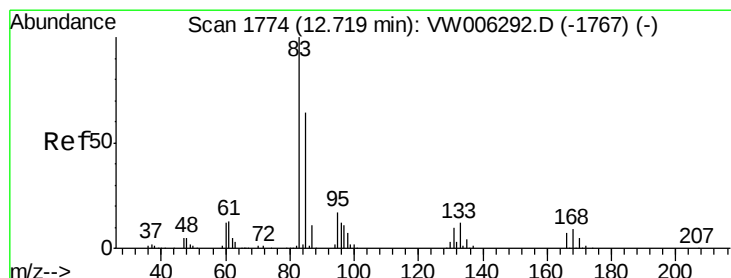
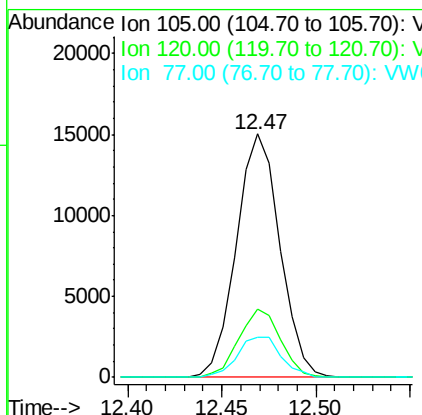
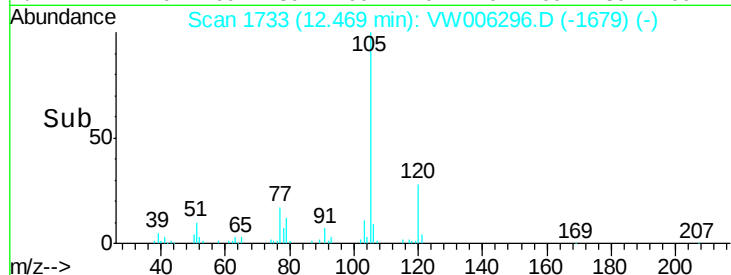
MDL



Tgt Ion:	105	Resp:	24079
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.8	32.6
77	16.9	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.154 ug/L

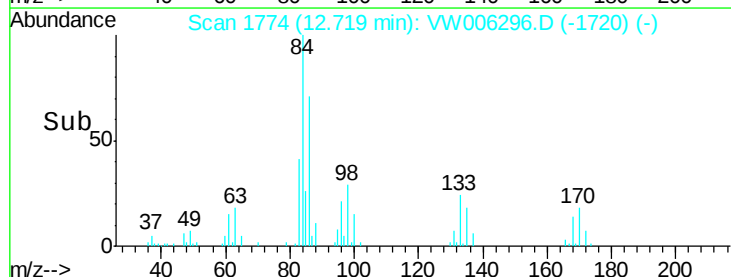
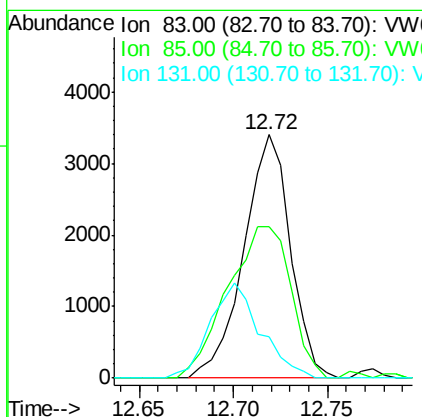
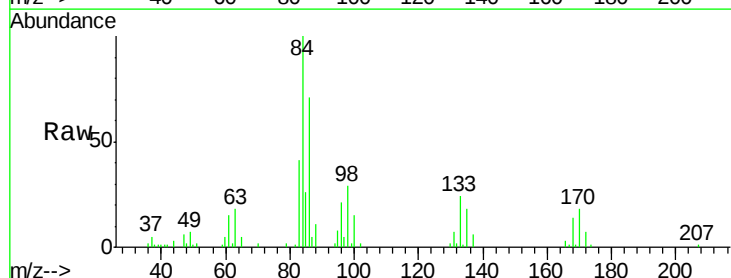
RT: 12.72 min Scan# 1774

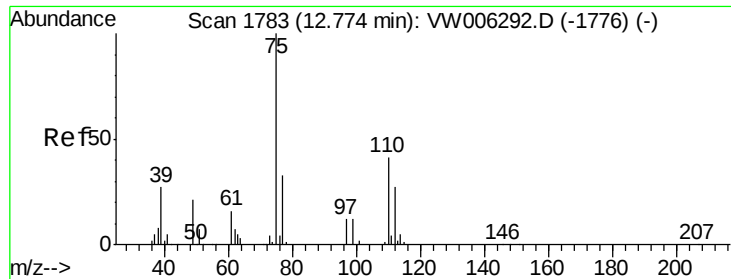
Delta R.T. 0.00 min

Lab File: VW006296.D

Acq: 23 Oct 2018 15:07

Tgt Ion:	83	Resp:	5815
Ion Ratio	Lower	Upper	
83	100		
85	62.2	44.8	83.2
131	16.8	9.0	13.4#





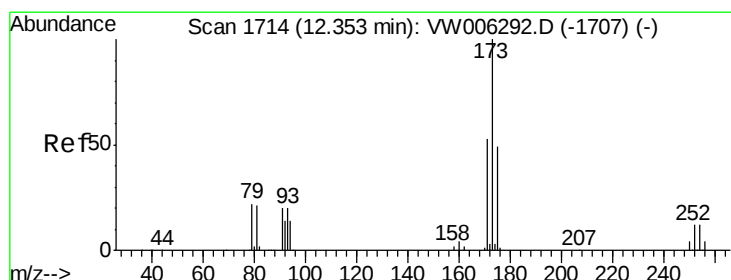
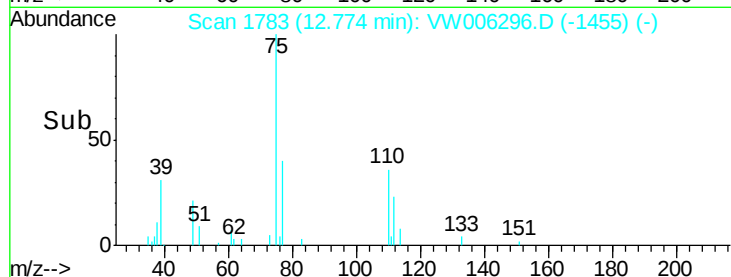
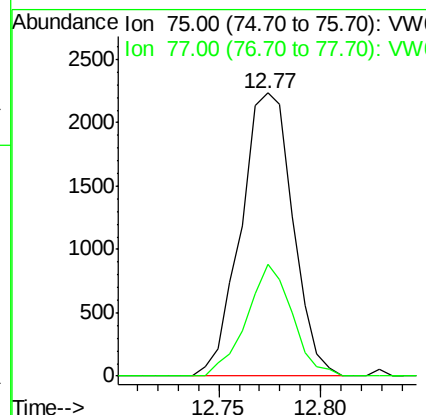
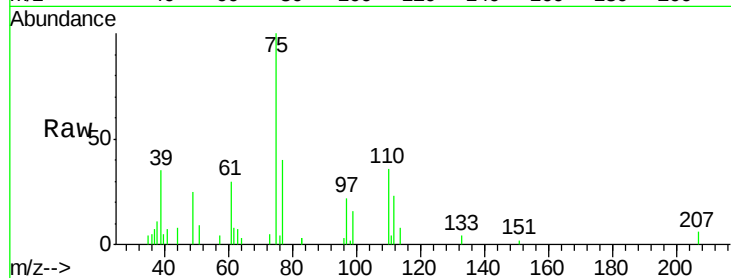
#59
 1,2,3-Trichloropropane
 Concen: 1.049 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion: 75 Resp: 3944
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.9 38.9

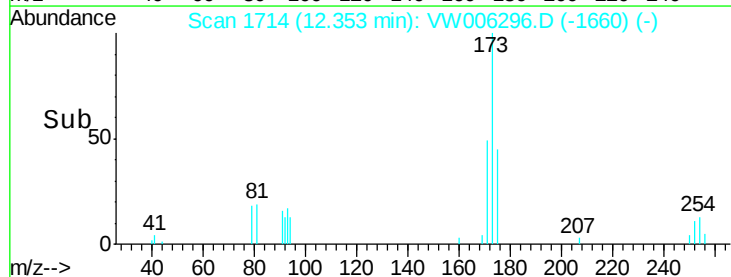
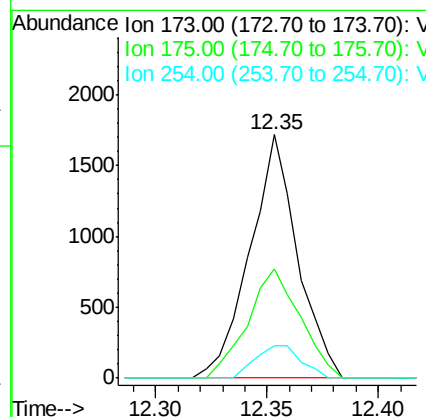
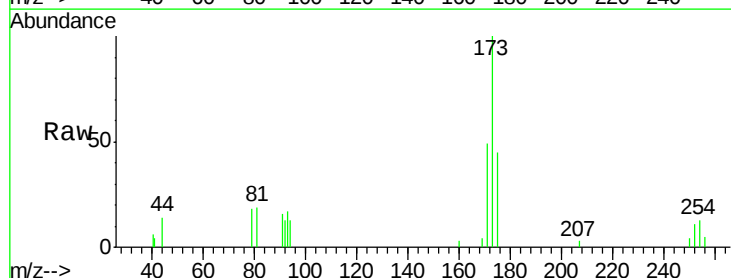
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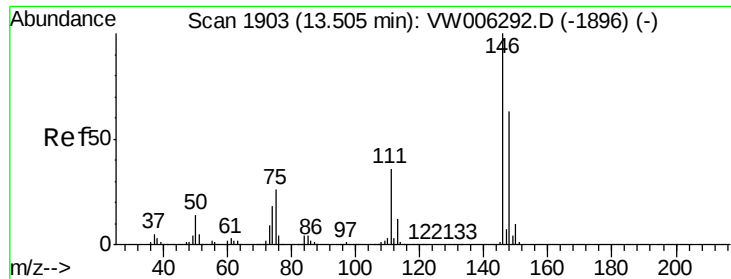
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#62
 Bromoform
 Concen: 0.785 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion: 173 Resp: 2553
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.1 58.7
 254 12.8 9.2 13.8





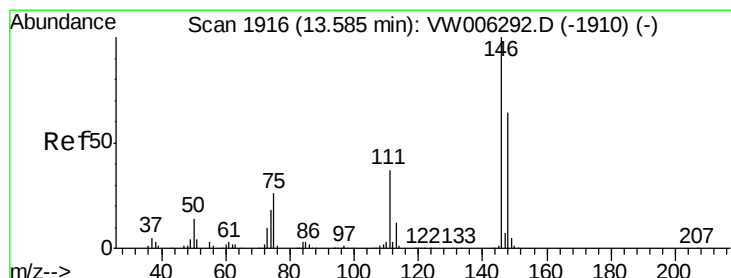
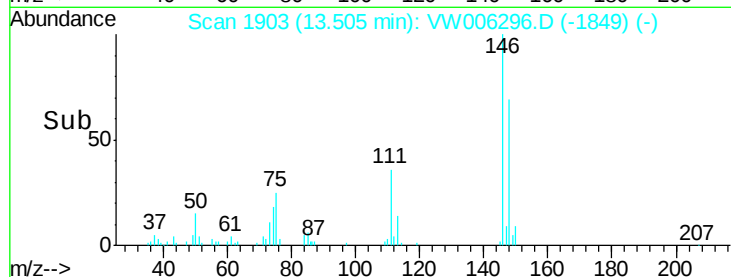
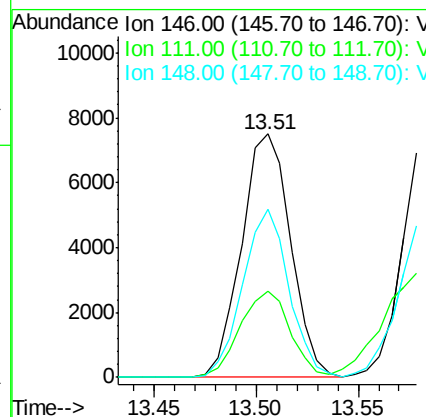
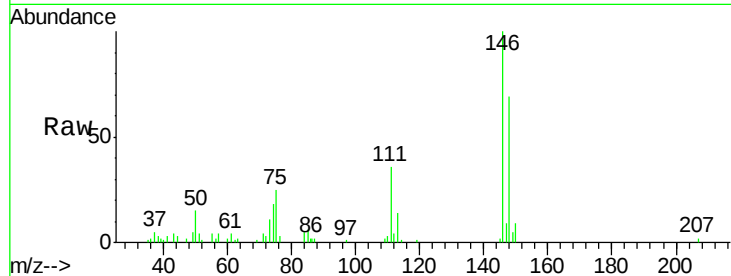
#63
 1,3-Dichlorobenzene
 Concen: 1.054 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	26.3	48.9
148	69.2	44.7	82.9

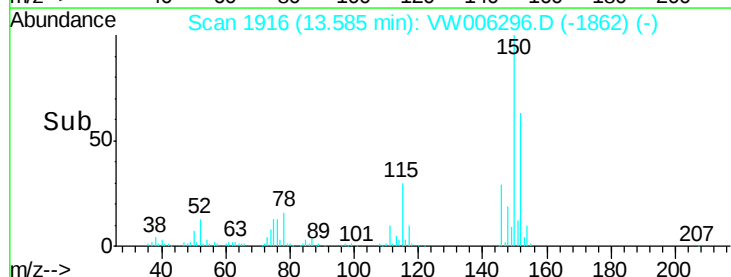
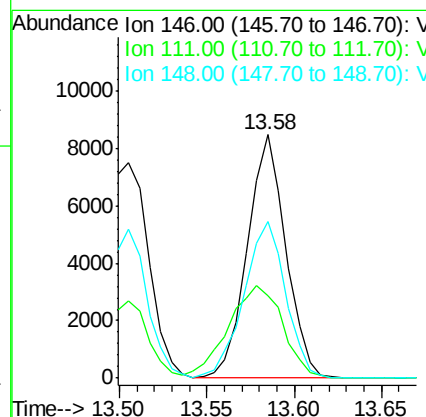
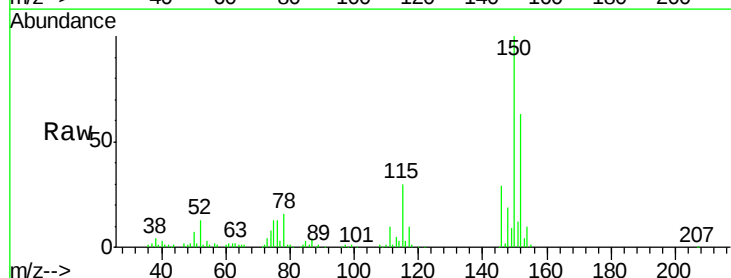
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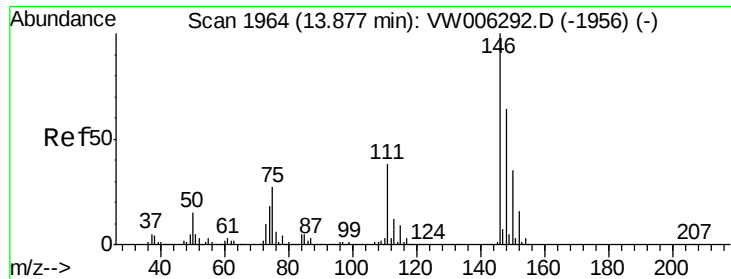
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#64
 1,4-Dichlorobenzene
 Concen: 1.080 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	24.7	45.9
148	64.5	44.9	83.5





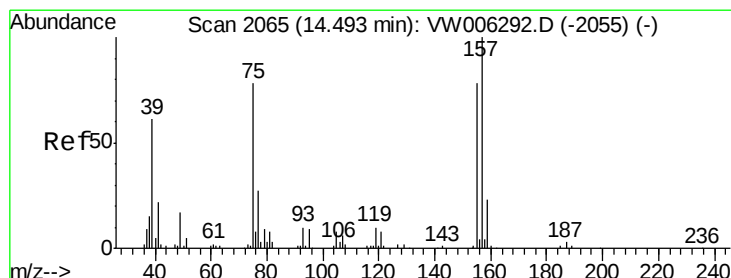
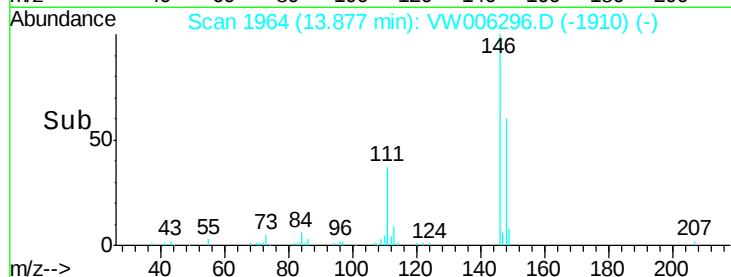
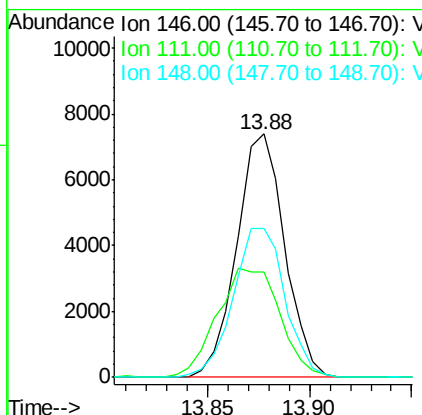
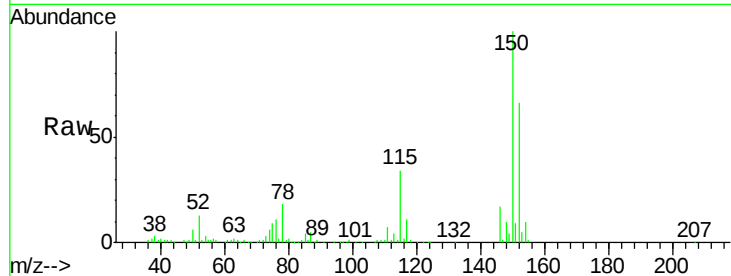
#65
 1,2-Dichlorobenzene
 Concen: 1.102 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampled :
 MDL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	31.1	46.7
148	61.1	51.2	76.8

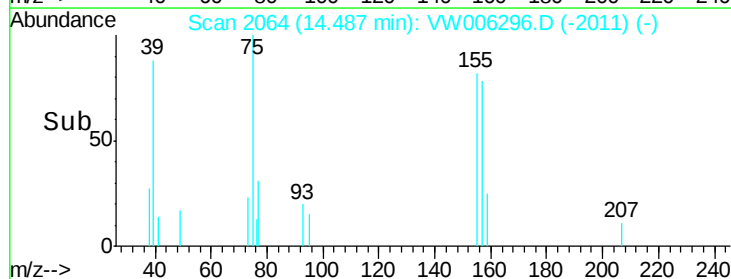
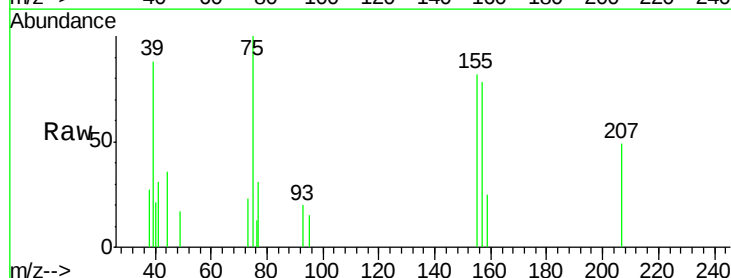
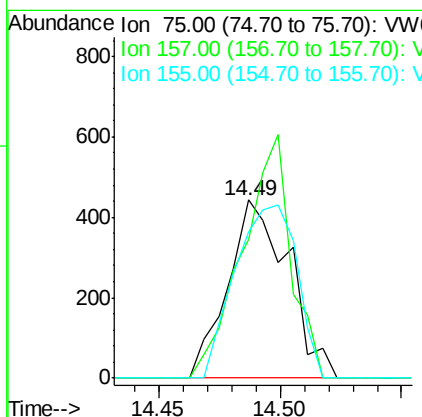
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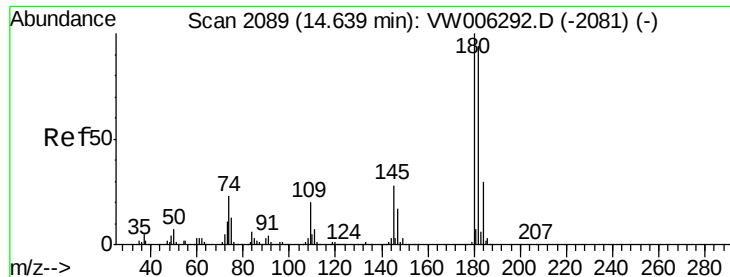
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.871 ug/L m
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
157	77.7	106.8	160.2#
155	81.9	79.2	118.8





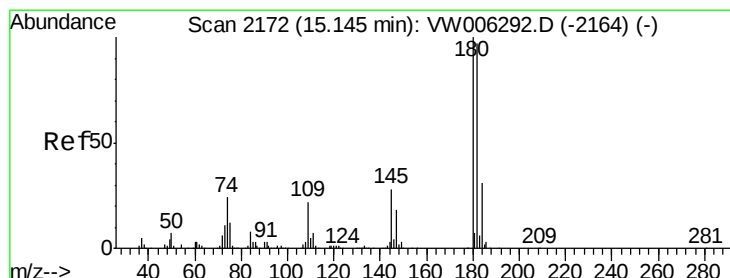
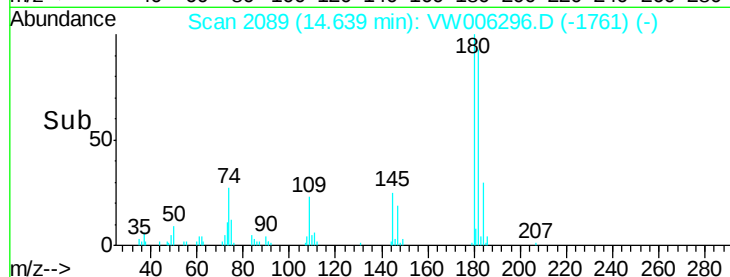
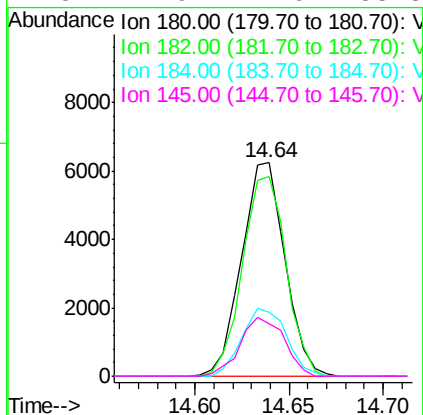
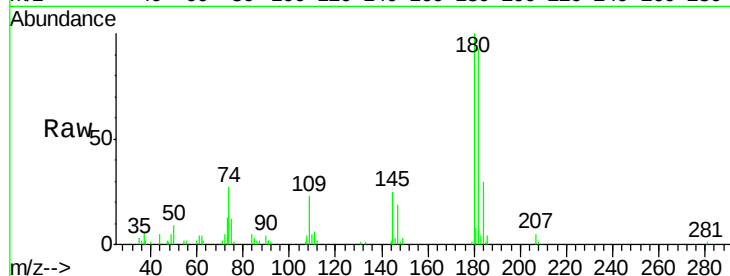
#67
 1,3,5-Trichlorobenzene
 Concen: 1.043 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	10015		
182	93.7	76.0	114.0	
184	32.5	24.3	36.5	
145	27.9	22.6	33.8	

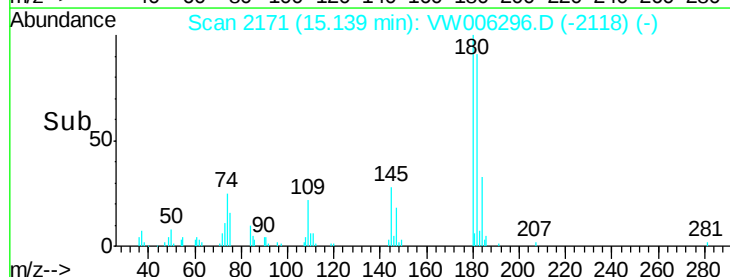
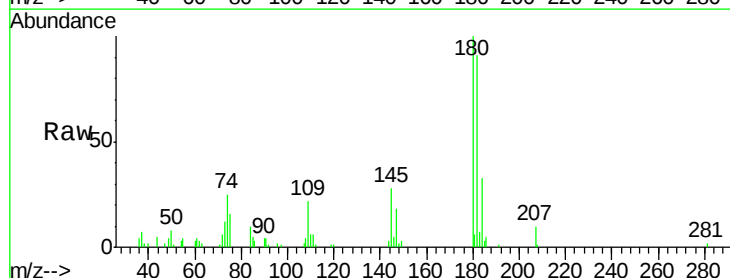
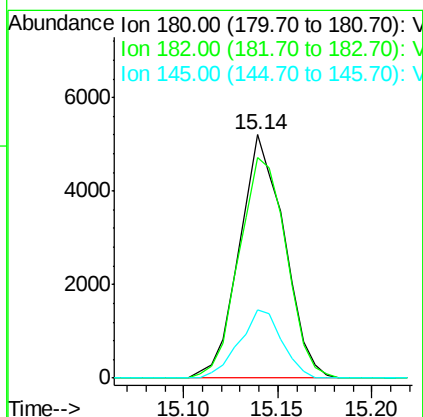
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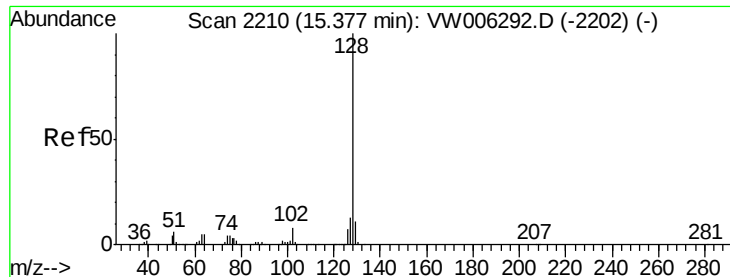
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#68
 1,2,4-trichlorobenzene
 Concen: 1.047 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006296.D
 Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	8576		
182	96.0	76.2	114.2	
145	26.7	23.0	34.6	





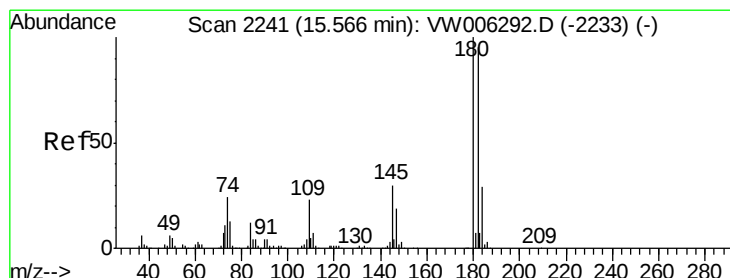
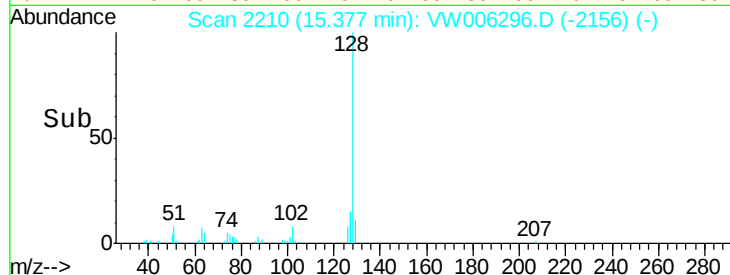
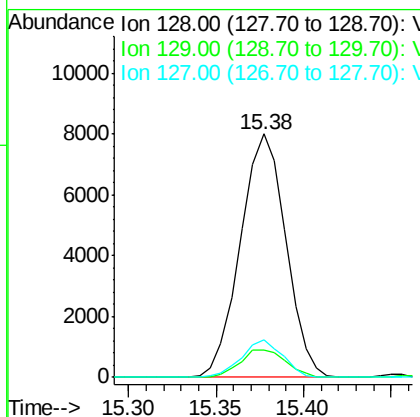
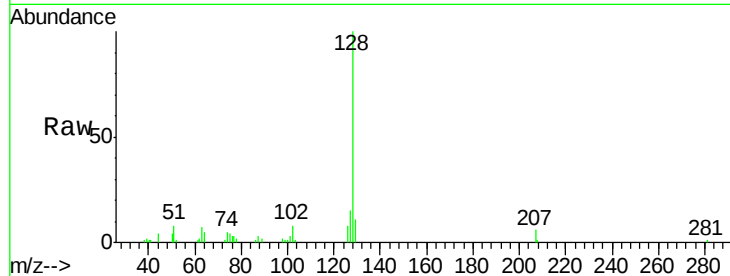
#69
Naphthalene
Concen: 0.872 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	14.0	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 0.975 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006296.D
Acq: 23 Oct 2018 15:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.0	75.5	113.3
145	30.9	24.5	36.7

