

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006306.D
 Acq On : 23 Oct 2018 20:16
 Operator : SY/AP
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:08:07 PM

Quant Time: Oct 24 06:03:11 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	315786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293862	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	154816	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	73552	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.60%
7) Chloroethane-d5	2.90	69	72660	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
10) 1,1-Dichloroethene-d2	4.01	63	122098	17.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.40%
20) 2-Butanone-d5	7.09	46	62155	52.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.30%
24) Chloroform-d	7.65	84	162698	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.31	65	96167	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.64%
29) Benzene-d6	8.28	84	332858	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.28	67	95815	23.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.20%
37) Toluene-d8	10.33	98	329075	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.59	79	39355	20.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.44%
39) 2-Hexanone-d5	10.93	63	51110	52.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100705	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	137181	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8158m	2.733	ug/L
3) Chloromethane	2.21	50	7435	2.537	ug/L
5) Vinyl chloride	2.37	62	10398	2.201	ug/L
6) Bromomethane	2.79	94	7965	2.165	ug/L
8) Chloroethane	2.94	64	6701m	2.314	ug/L
9) Trichlorofluoromethane	3.26	101	8422	2.228	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10088m	2.670	ug/L
12) 1,1-Dichloroethene	4.04	96	8947	2.468	ug/L #
13) Acetone	4.14	43	6532	5.477	ug/L
14) Carbon disulfide	4.38	76	21314	1.798	ug/L
15) Methyl Acetate	4.68	43	4605m	2.384	ug/L
16) Methylene chloride	4.91	84	14797	3.629	ug/L
17) Methyl tert-butyl Ether	5.43	73	12407	2.102	ug/L
18) trans-1,2-Dichloroethene	5.43	96	8901	2.218	ug/L
19) 1,1-Dichloroethane	6.21	63	13347	2.055	ug/L
21) 2-Butanone	7.19	43	6845	4.320	ug/L #
22) cis-1,2-Dichloroethene	7.17	96	9009	2.058	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4458	2.165	ug/L	90
25) Chloroform	7.68	83	15784	2.257	ug/L	91
27) 1,2-Dichloroethane	8.41	62	10382	2.178	ug/L #	94
30) Cyclohexane	7.95	56	13081	2.025	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	12509	2.034	ug/L	98
32) Carbon tetrachloride	8.07	117	11930	1.978	ug/L	100
34) Benzene	8.33	78	32341	2.144	ug/L	100
35) Trichloroethene	9.10	95	9232	2.175	ug/L	97
36) Methylcyclohexane	9.34	83	15468	1.989	ug/L	95
40) 1,2-Dichloropropane	9.37	63	7687	2.054	ug/L	99
41) Bromodichloromethane	9.65	83	9212	1.823	ug/L #	92
42) cis-1,3-Dichloropropene	10.08	75	10962	1.793	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	12747	4.251	ug/L	99
44) Toluene	10.39	91	36077	2.130	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	10899	2.041	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	6627	2.127	ug/L	94
47) Tetrachloroethene	10.87	164	8655	2.203	ug/L	92
49) 2-Hexanone	10.98	43	8619	3.900	ug/L	97
50) Dibromochloromethane	11.13	129	6865	1.719	ug/L	97
51) 1,2-Dibromoethane	11.24	107	6751	2.081	ug/L #	92
52) Chlorobenzene	11.66	112	24403	2.129	ug/L	97
53) Ethylbenzene	11.74	91	40263	2.042	ug/L	99
54) m,p-Xylene	11.85	106	14706	1.903	ug/L	92
55) o-xylene	12.17	106	13669	1.852	ug/L	99
56) Styrene	12.19	104	22952	1.806	ug/L	99
57) Isopropylbenzene	12.47	105	40020	1.949	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	9379	2.316	ug/L #	94
59) 1,2,3-Trichloropropane	12.77	75	6809	2.254	ug/L	99
62) Bromoform	12.35	173	4322	1.666	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	19946	2.098	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	20490	2.140	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	18930	2.164	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	1460	2.074	ug/L	84
67) 1,3,5-Trichlorobenzene	14.64	180	15615	2.038	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	12931	1.979	ug/L	98
69) Naphthalene	15.38	128	24741	1.870	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	11952	2.036	ug/L	99

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

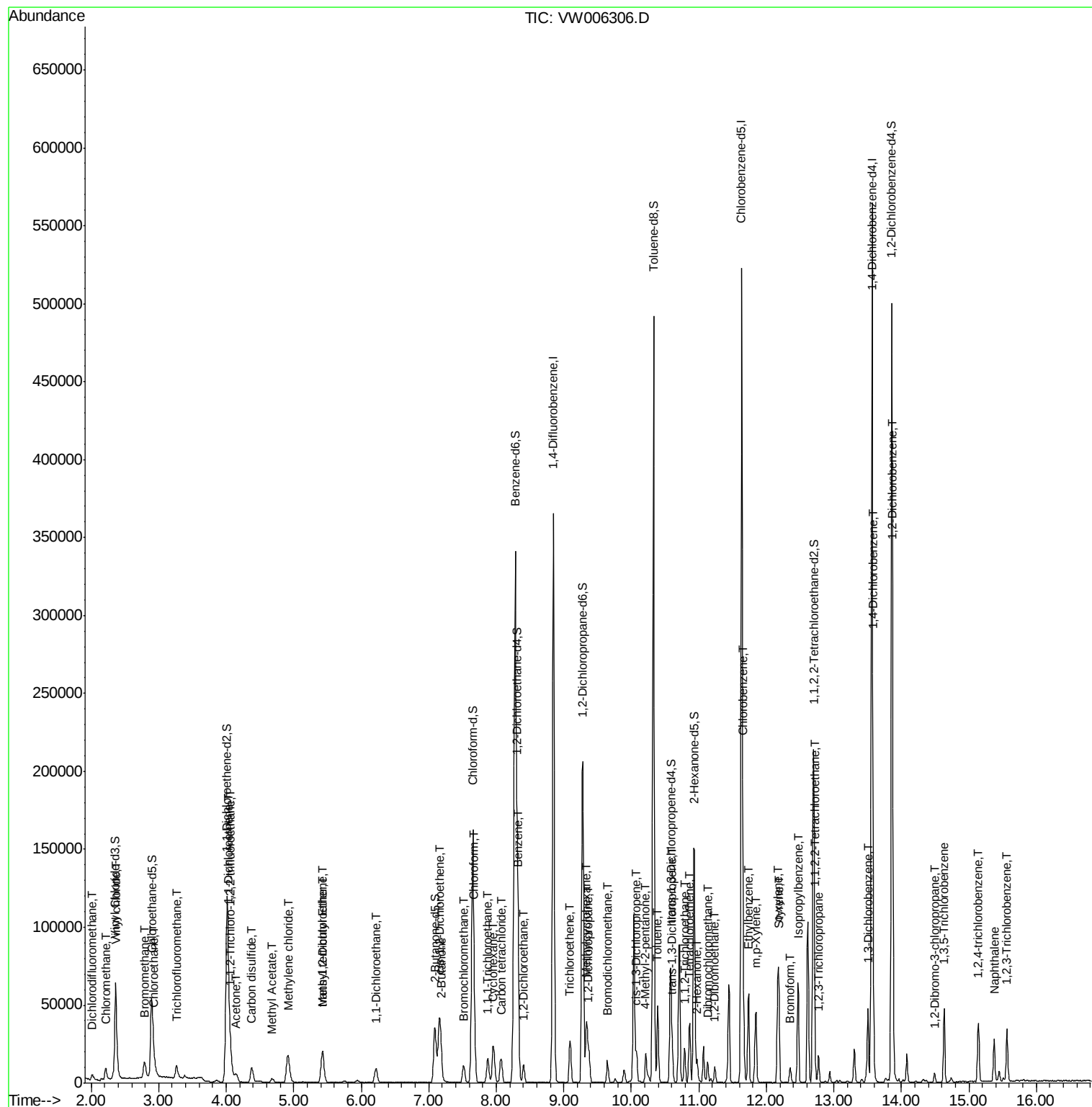
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
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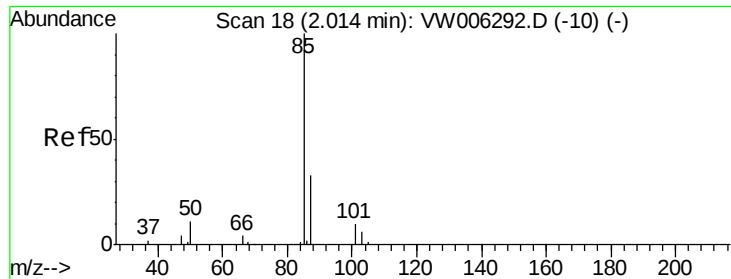
Instrument :
MSVOA_W
ClientSampleID :
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#2

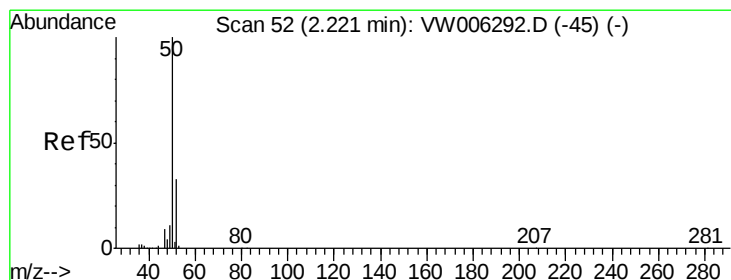
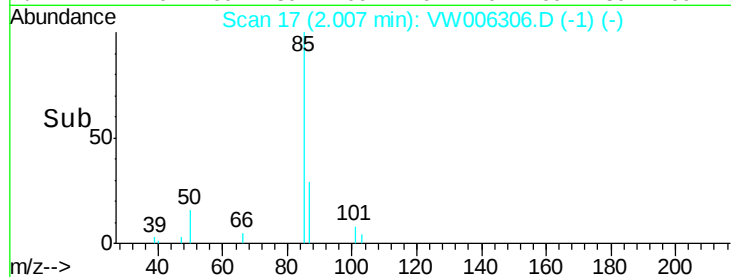
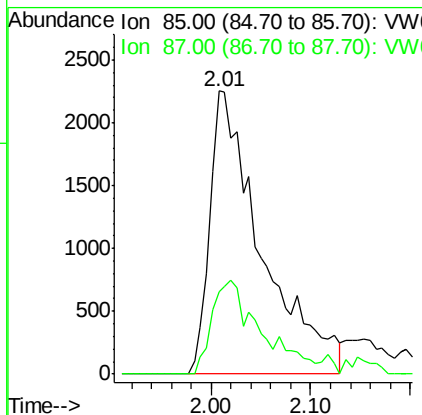
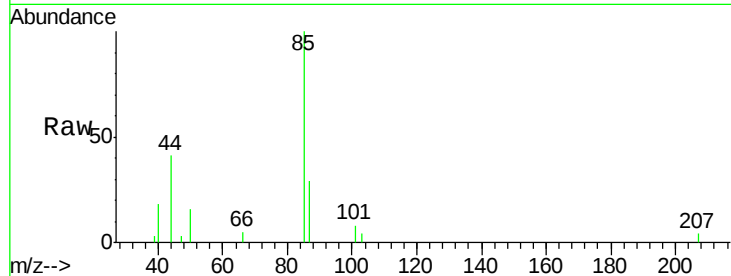
Dichlorodifluoromethane
Concen: 2.733 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
85	100		
87	18.1	19.2	35.6#

Manual Integrations
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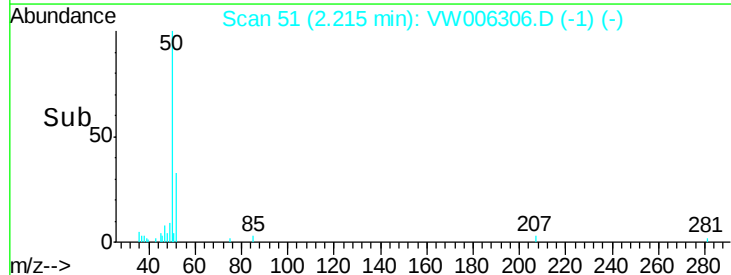
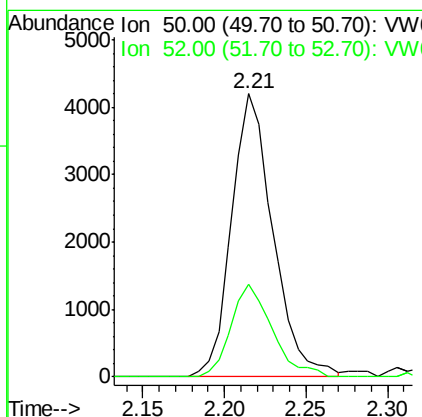
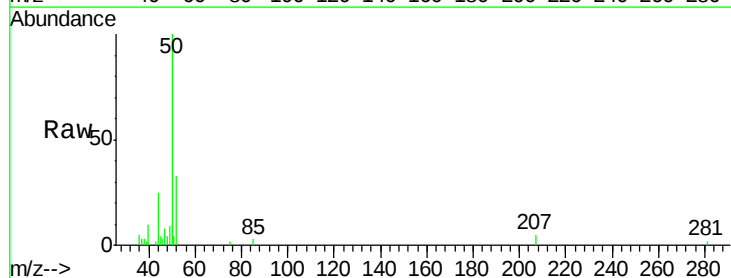
MMDadoda
10/24/2018 2:08:07 PM

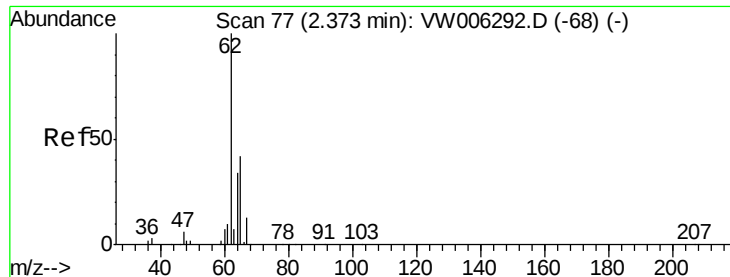


#3

Chloromethane
Concen: 2.537 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.6	22.3	41.3





#5

Vinyl chloride

Concen: 2.201 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 62 Resp: 10398

Ion Ratio Lower Upper

62 100

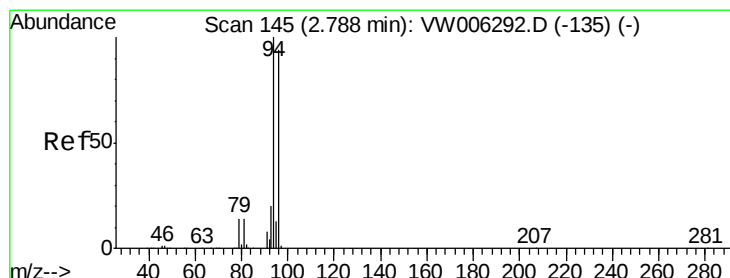
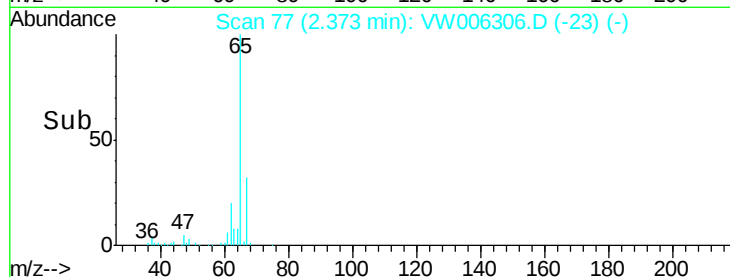
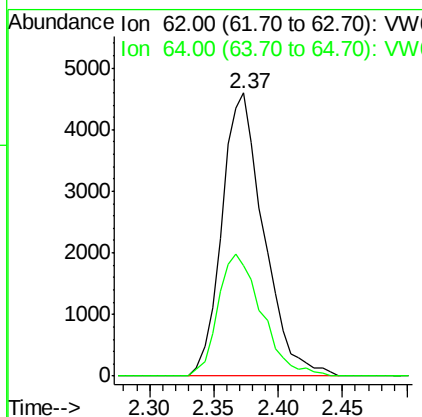
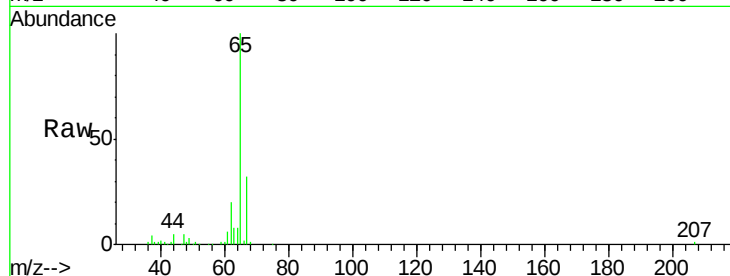
64 39.0 22.7 42.3

Manual Integrations

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#6

Bromomethane

Concen: 2.165 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006306.D

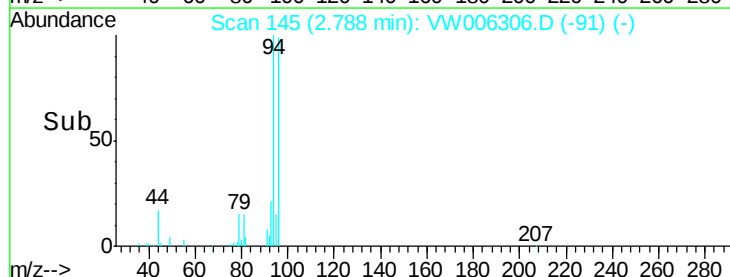
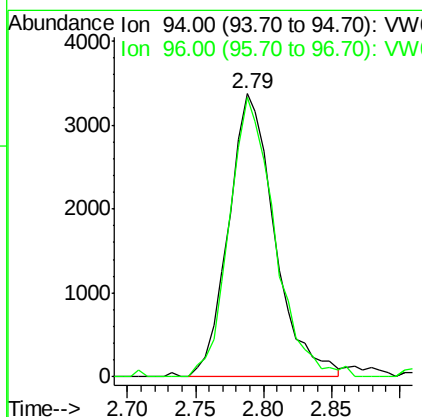
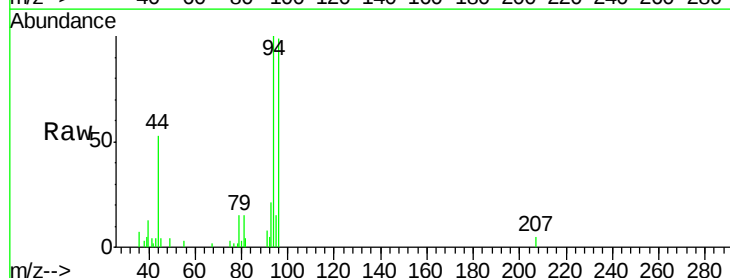
Acq: 23 Oct 2018 20:16

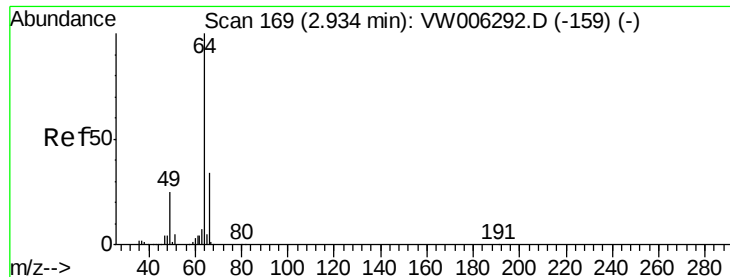
Tgt Ion: 94 Resp: 7965

Ion Ratio Lower Upper

94 100

96 96.0 9.5 181.3





#8

Chloroethane

Concen: 2.314 ug/L m

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Tgt Ion: 64 Resp: 6701

Ion Ratio Lower Upper

64 100

66 28.7 22.7 42.1

Instrument :

MSVOA_W

ClientSampleId :

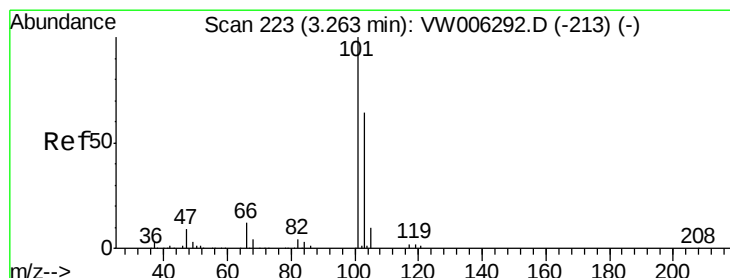
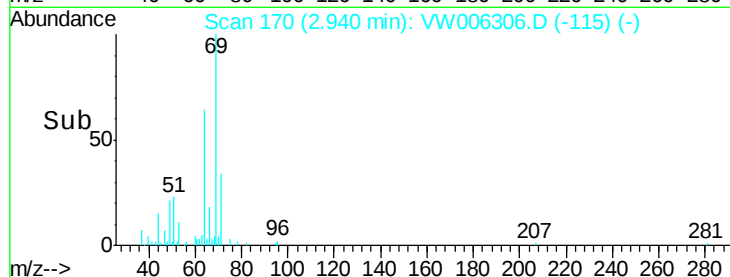
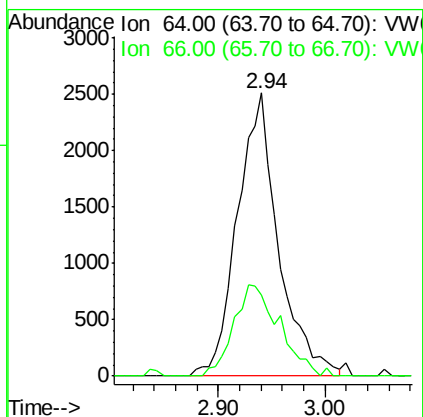
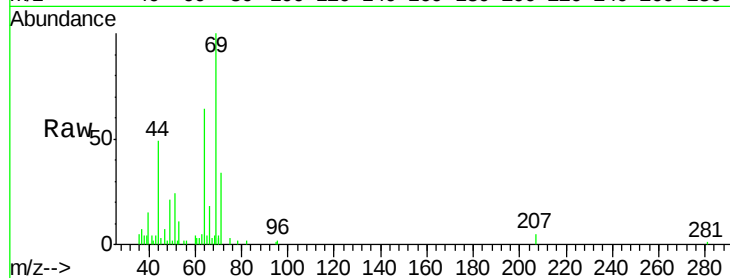
MDL 2 PPB

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.228 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006306.D

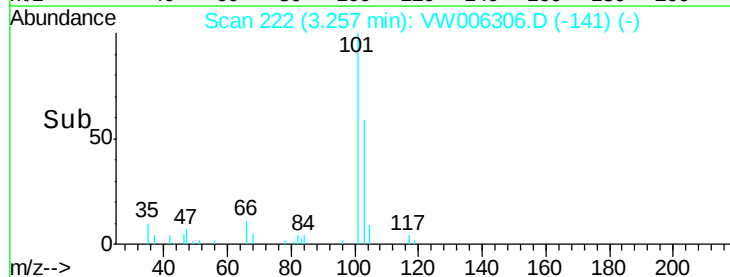
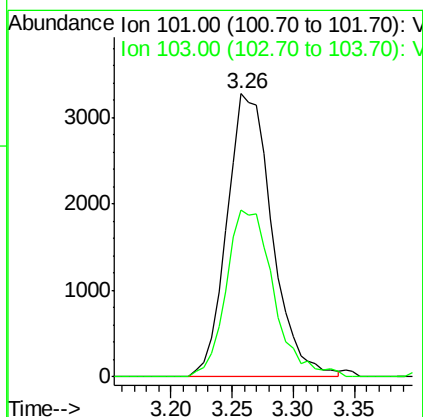
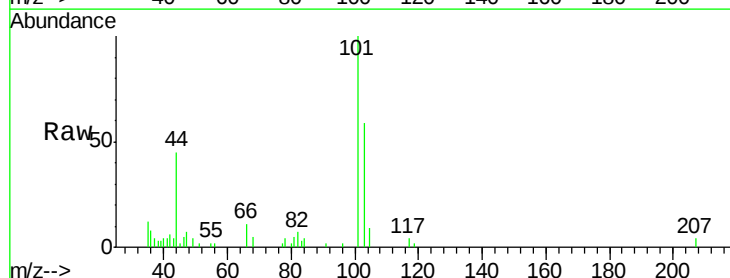
Acq: 23 Oct 2018 20:16

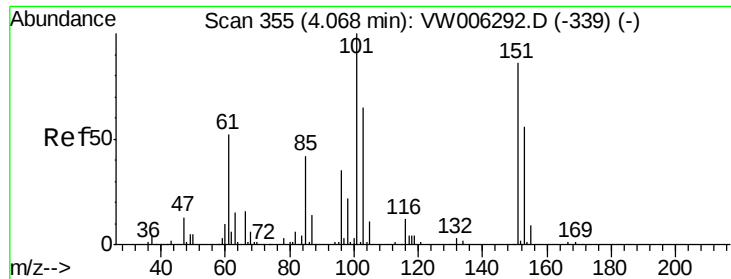
Tgt Ion: 101 Resp: 8422

Ion Ratio Lower Upper

101 100

103 60.9 45.6 84.6





#11

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

Concen: 2.670 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

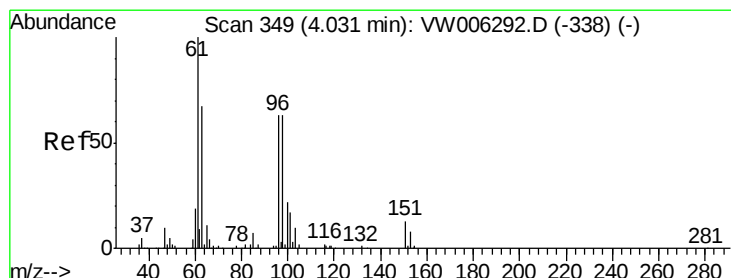
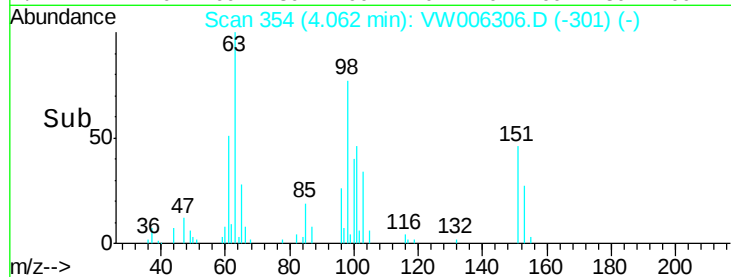
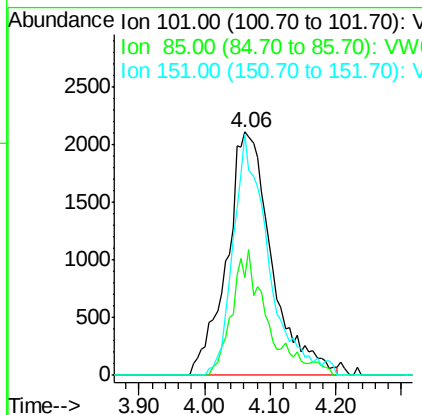
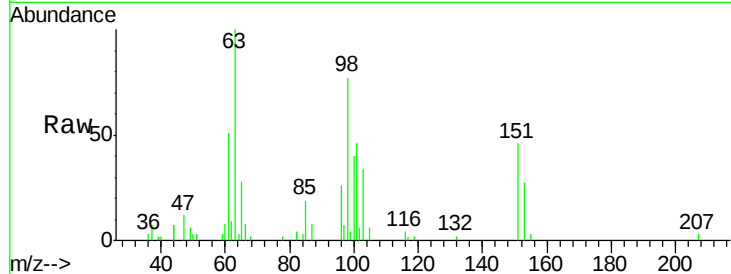
ClientSampleId :

MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	10088		
85	16.3	33.4	50.2#	
151	76.6	68.7	103.1	

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.468 ug/L

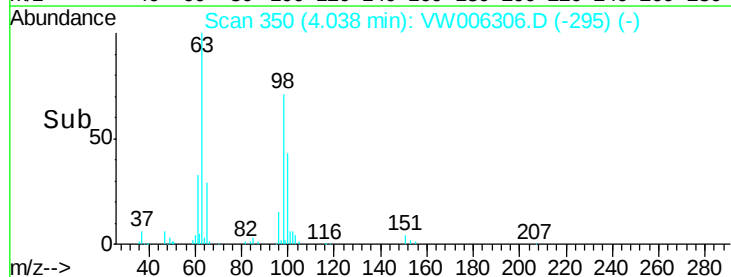
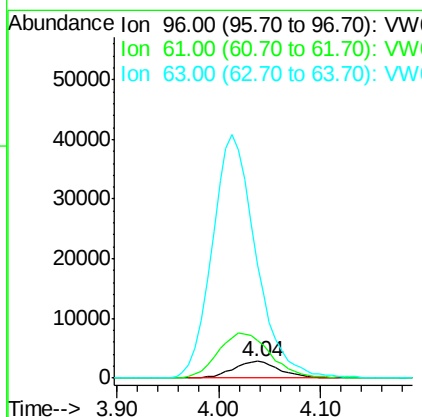
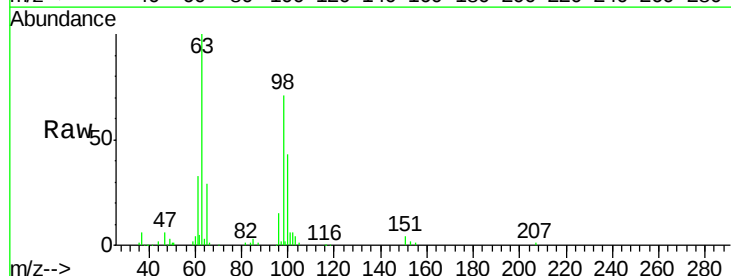
RT: 4.04 min Scan# 350

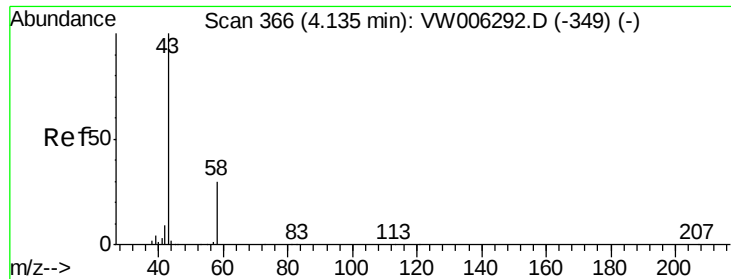
Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8947		
61	220.0	112.3	208.7#	
63	664.5	102.6	190.6#	





#13

Acetone

Concen: 5.477 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 43 Resp: 6532

Ion Ratio Lower Upper

43 100

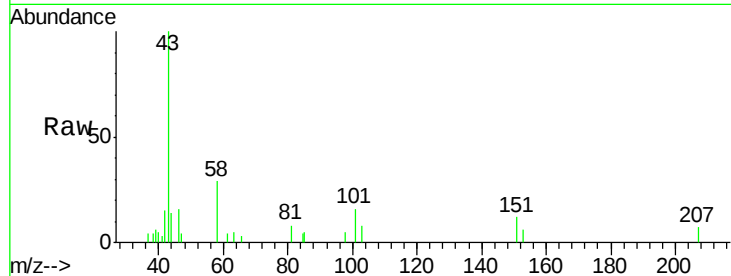
58 16.2 0.0 61.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

1000

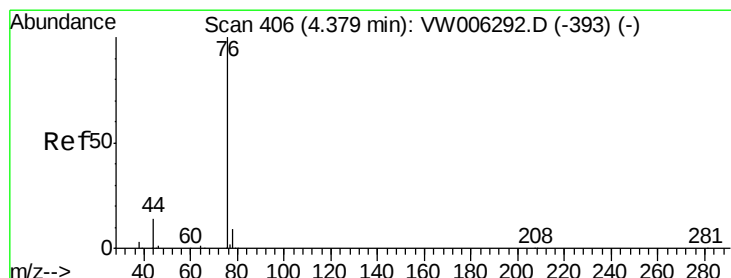
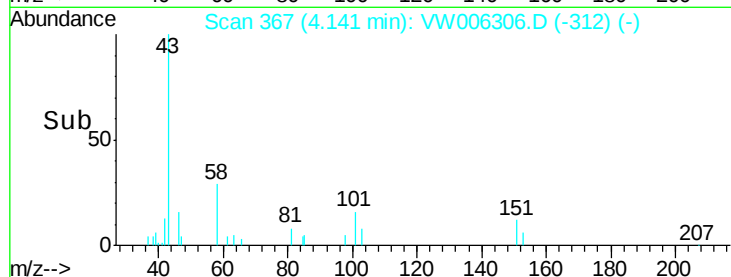
500

0

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 1.798 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006306.D

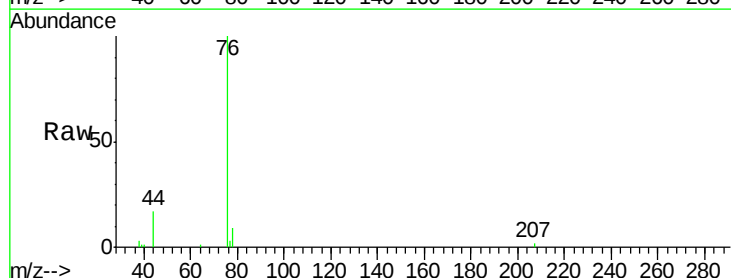
Acq: 23 Oct 2018 20:16

Tgt Ion: 76 Resp: 21314

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

8000

6000

4000

2000

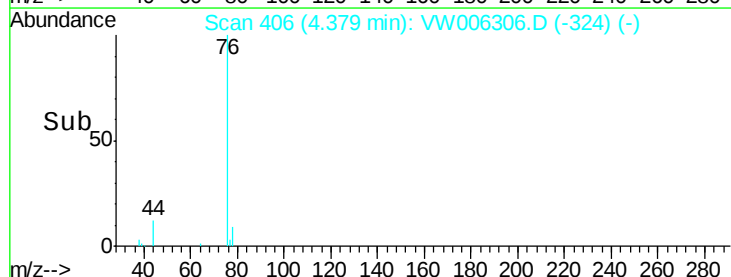
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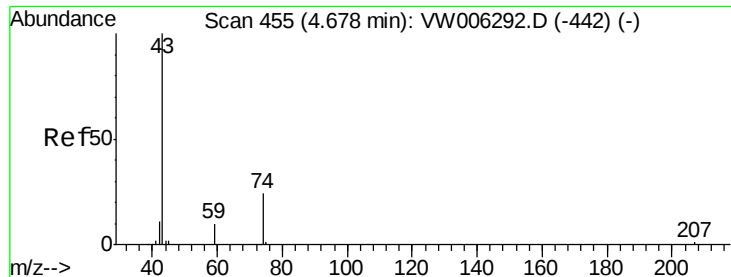
4.30

4.40

4.50

Time-->





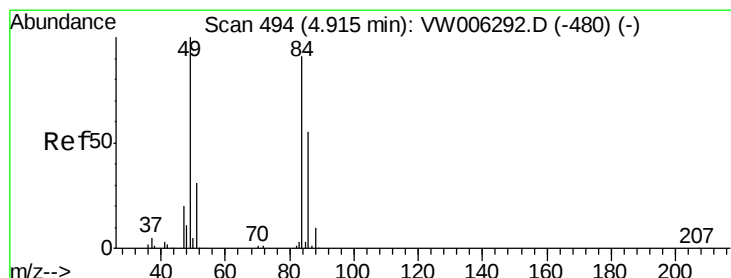
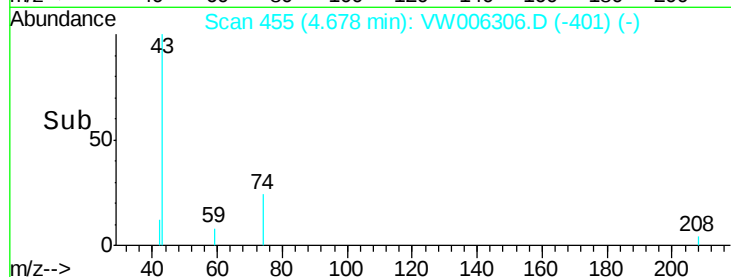
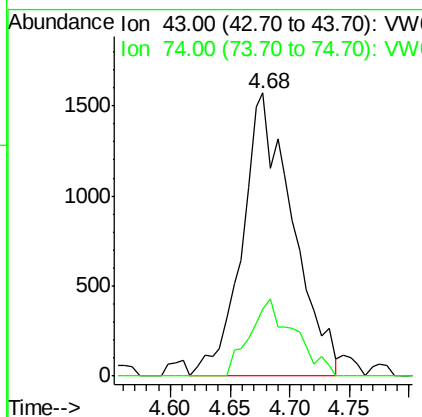
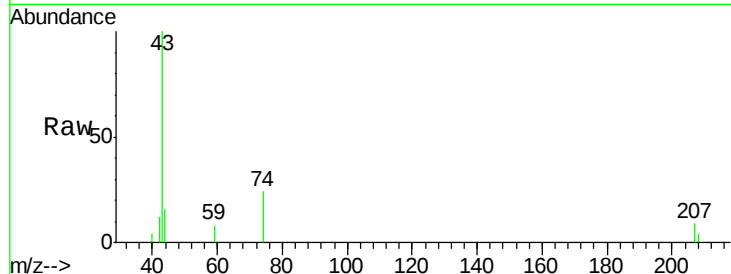
#15
Methyl Acetate
Concen: 2.384 ug/L m
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 43 Resp: 4605
Ion Ratio Lower Upper
43 100
74 17.1 19.4 29.2#

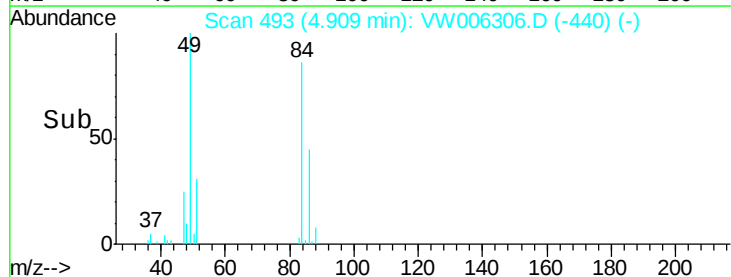
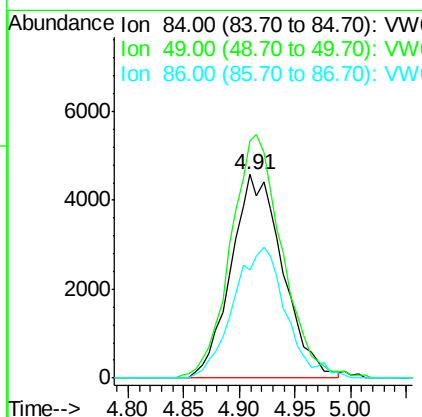
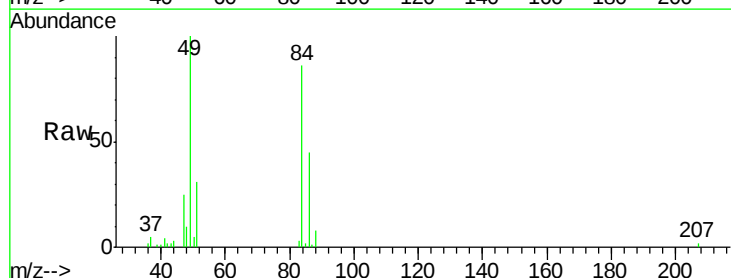
Manual Integrations
APPROVED

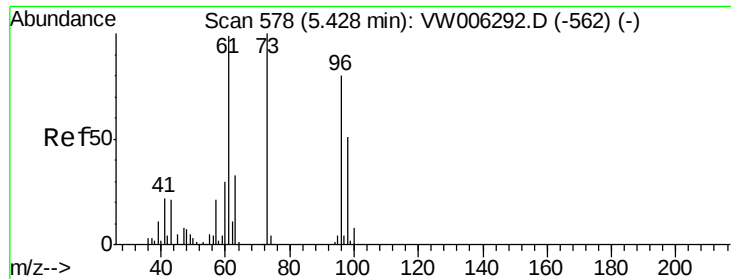
MMDadoda
10/24/2018 2:08:07 PM



#16
Methylene chloride
Concen: 3.629 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion: 84 Resp: 14797
Ion Ratio Lower Upper
84 100
49 116.7 83.5 155.1
86 52.8 44.9 83.5





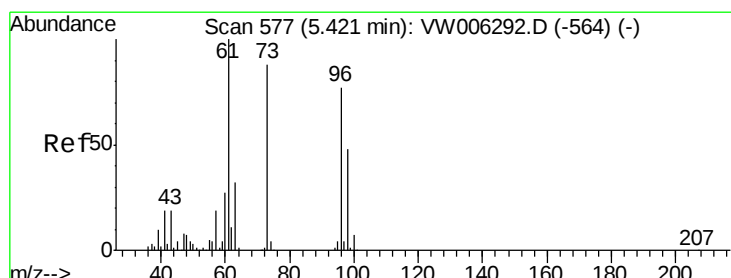
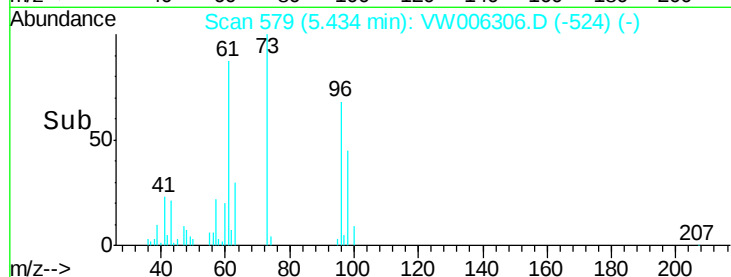
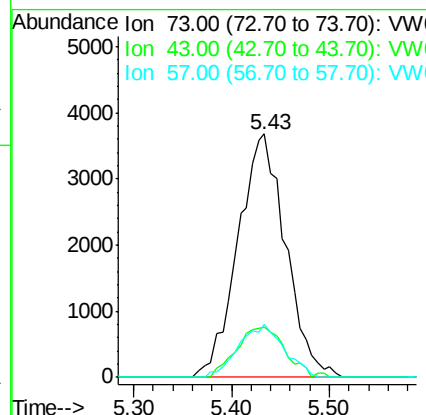
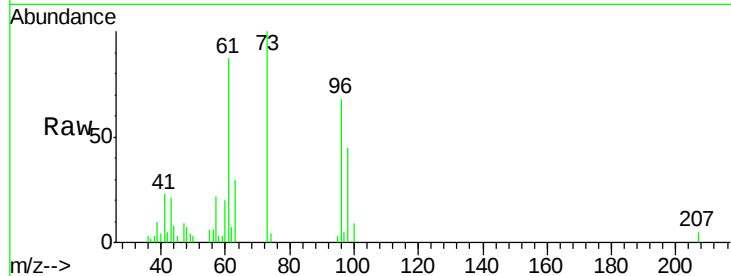
#17
Methyl tert-butyl Ether
Concen: 2.102 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	12407		
43	20.8	17.0	25.4	
57	20.8	17.1	25.7	

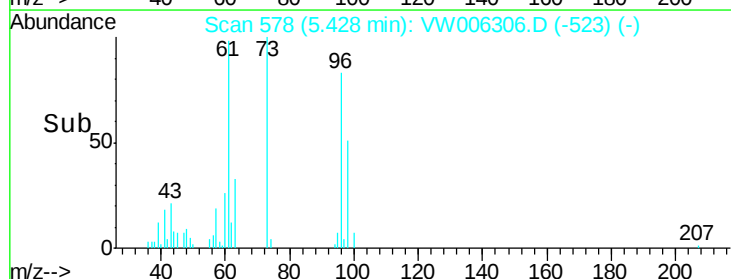
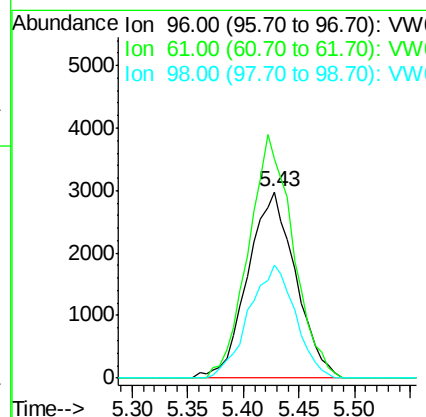
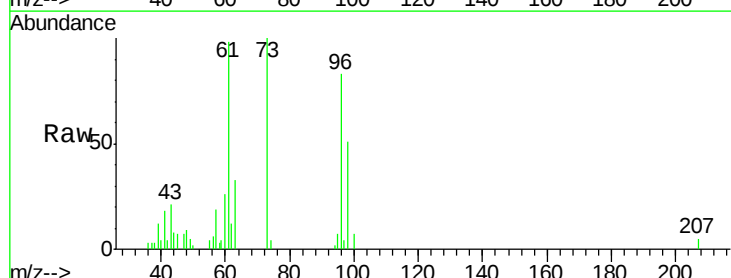
Manual Integrations
APPROVED

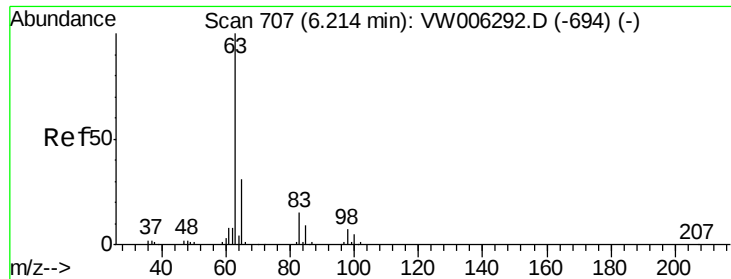
MMDadoda
10/24/2018 2:08:07 PM



#18
trans-1,2-Dichloroethene
Concen: 2.218 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8901		
61	117.7	89.0	165.2	
98	60.8	42.4	78.6	





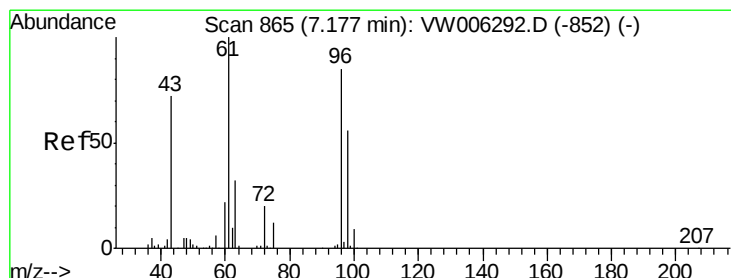
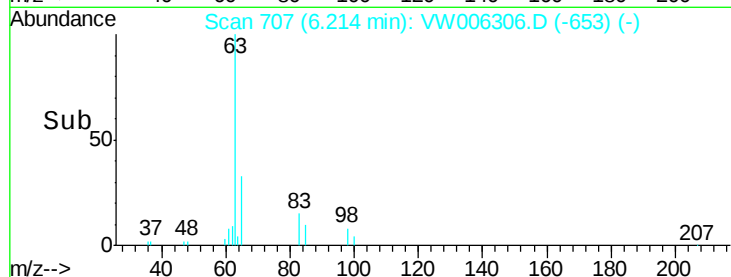
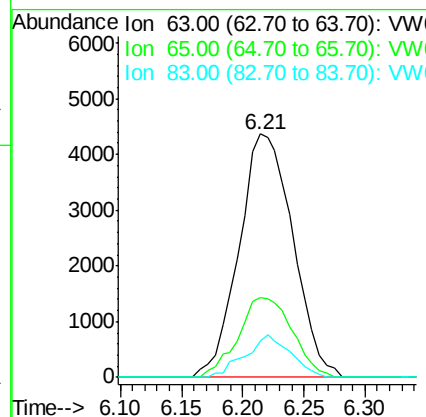
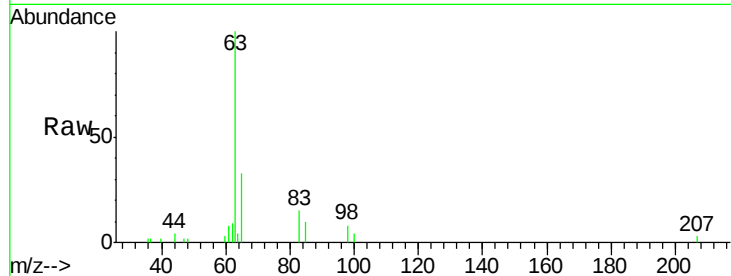
#19
 1,1-Dichloroethane
 Concen: 2.055 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	63	Resp:	13347
Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.3	41.5
83	14.8	9.7	18.1

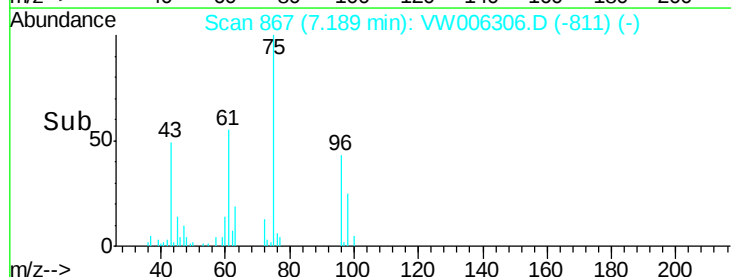
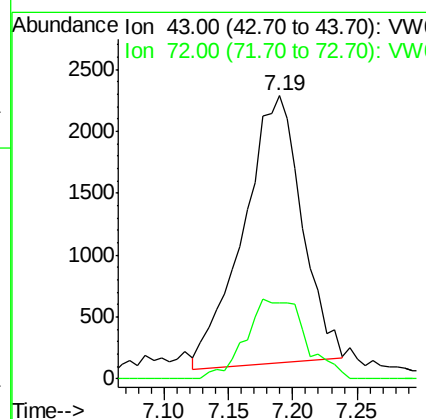
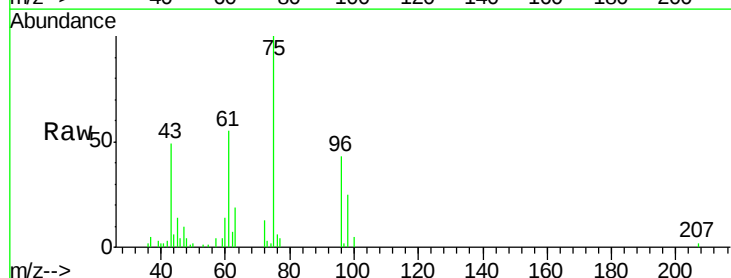
Manual Integrations
 APPROVED

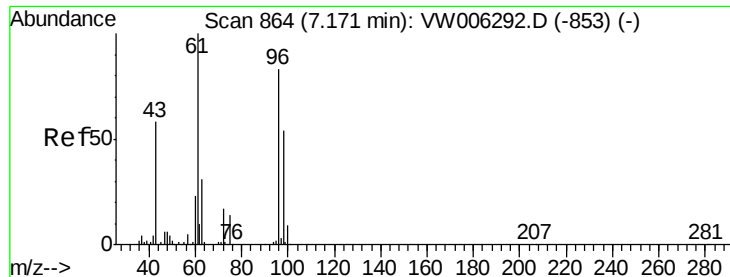
MMDadoda
 10/24/2018 2:08:07 PM



#21
 2-Butanone
 Concen: 4.320 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion:	43	Resp:	6845
Ion	Ratio	Lower	Upper
43	100		
72	11.5	13.8	41.4#





#22

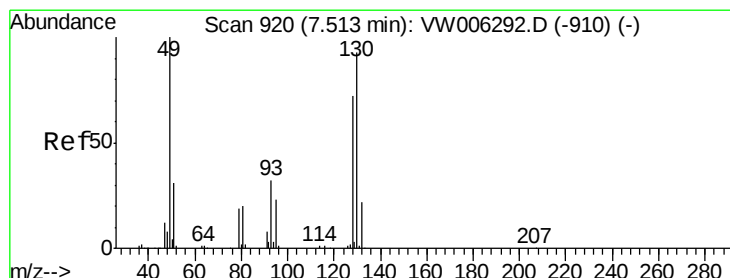
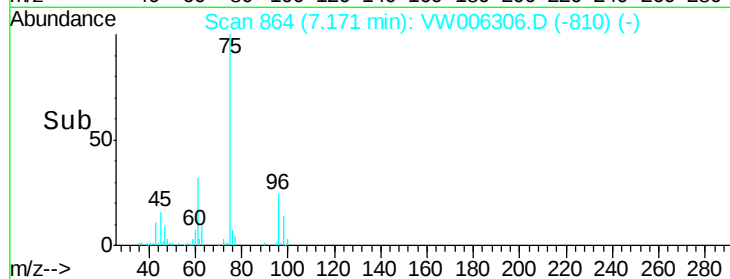
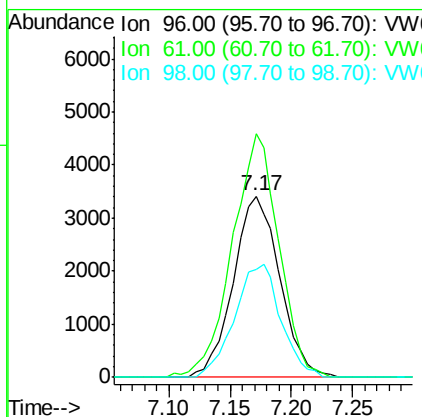
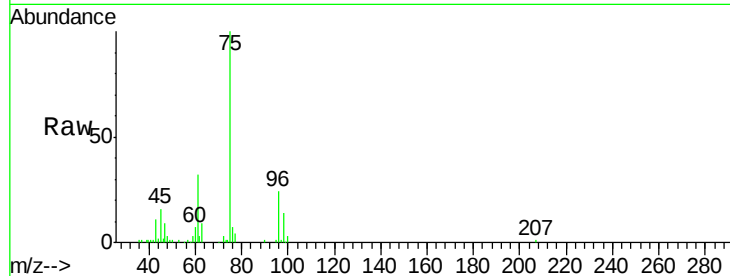
cis-1,2-Dichloroethene
Concen: 2.058 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.4	85.1	158.1
98	59.9	46.3	86.1

Manual Integrations
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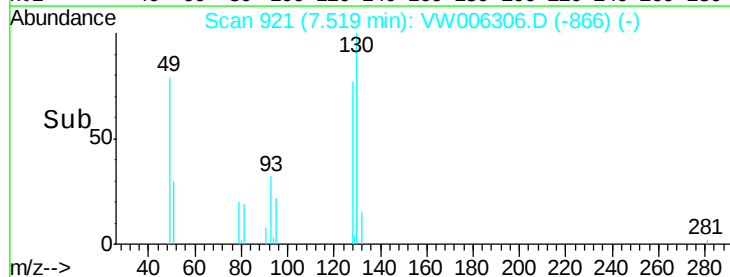
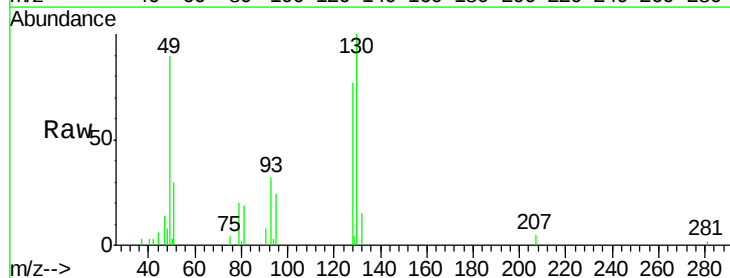
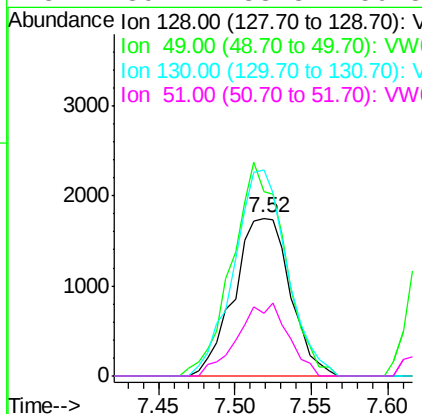
MMDadoda
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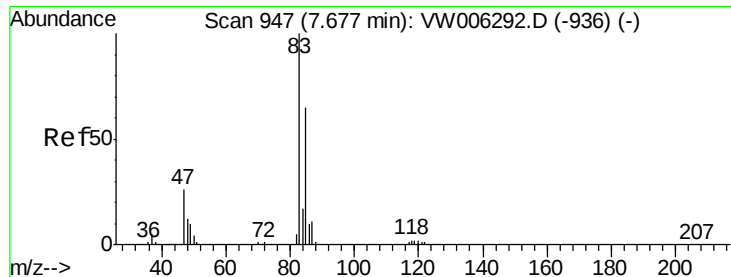


#23

Bromochloromethane
Concen: 2.165 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	117.1	95.2	176.8
130	130.7	86.3	160.3
51	39.7	33.8	50.8





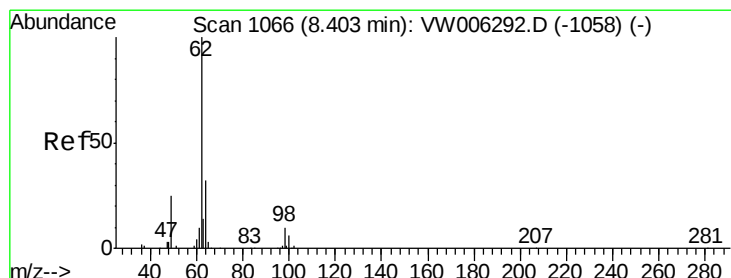
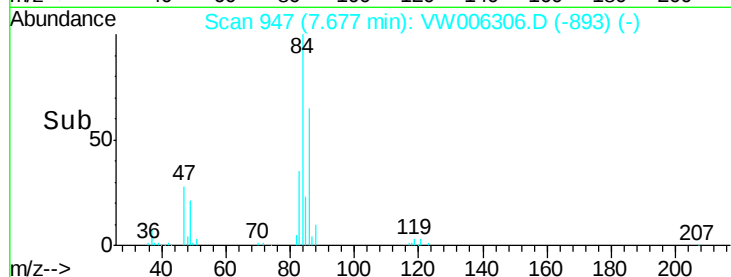
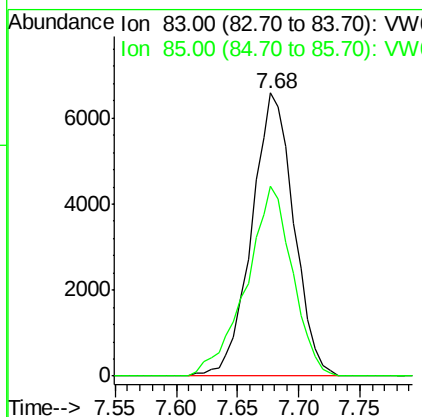
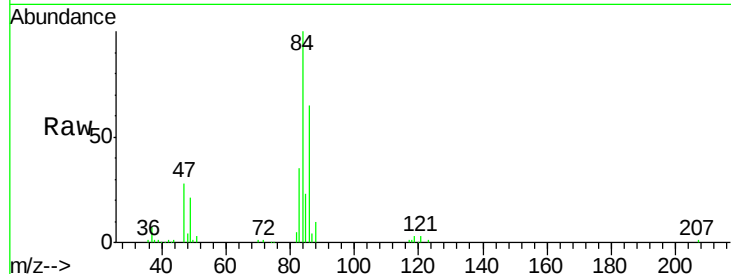
#25
Chloroform
Concen: 2.257 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 83 Resp: 15784
Ion Ratio Lower Upper
83 100
85 73.3 46.3 85.9

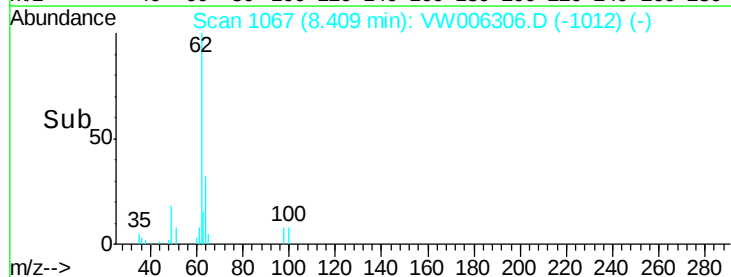
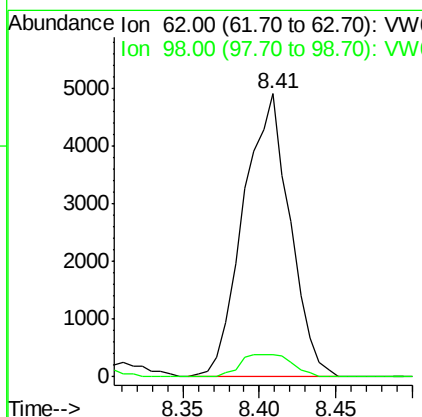
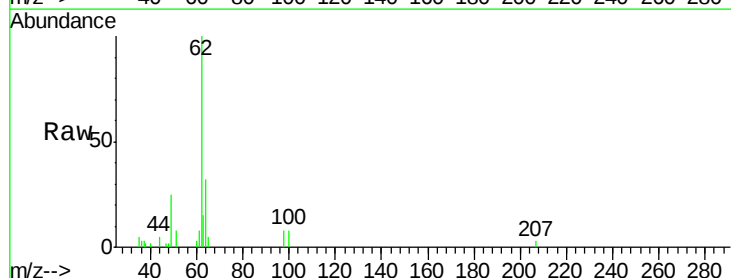
Manual Integrations
APPROVED

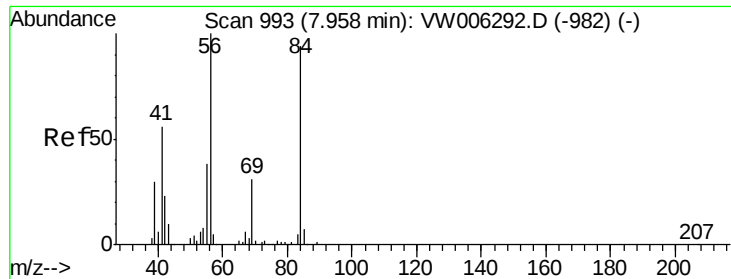
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#27
1,2-Dichloroethane
Concen: 2.178 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion: 62 Resp: 10382
Ion Ratio Lower Upper
62 100
98 7.8 8.0 12.0#





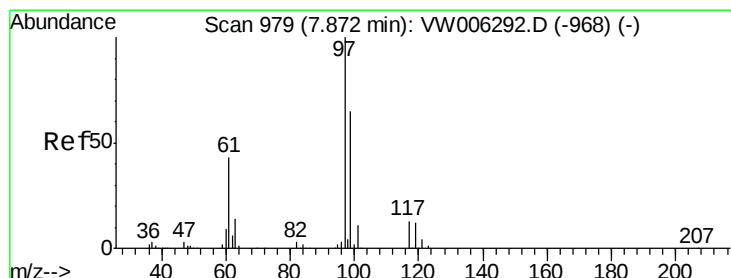
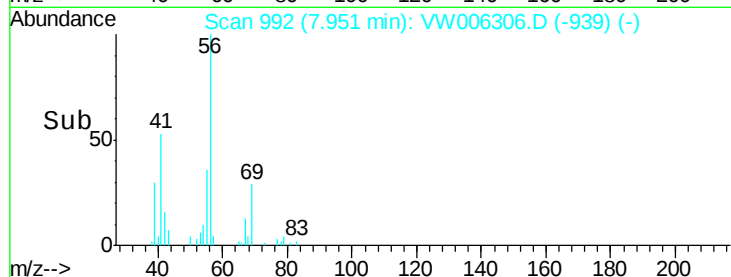
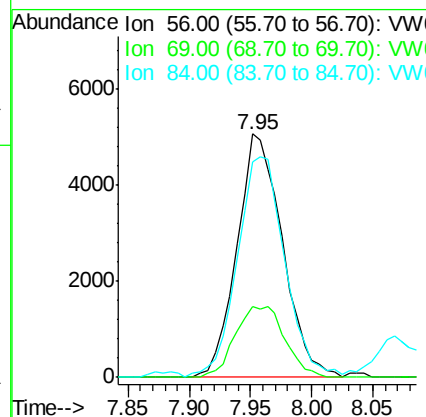
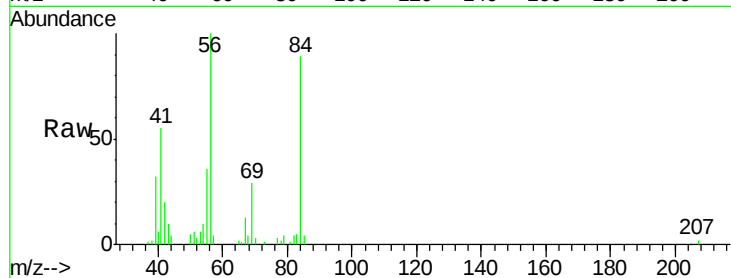
#30
Cyclohexane
Concen: 2.025 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	94.7	73.9	110.9

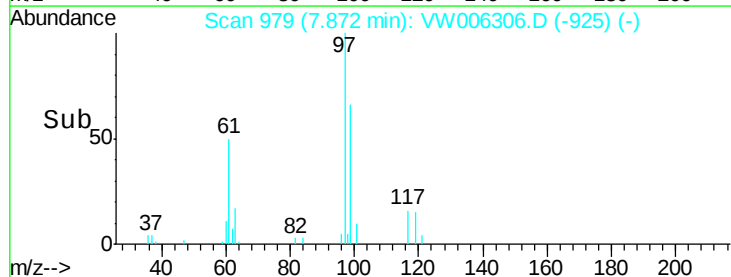
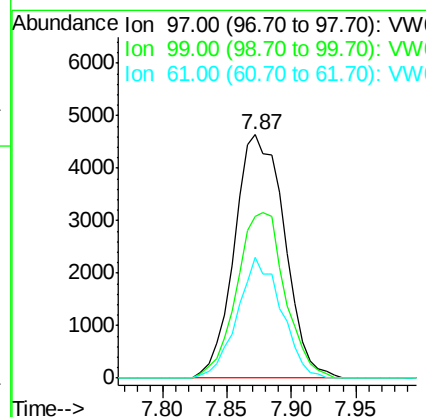
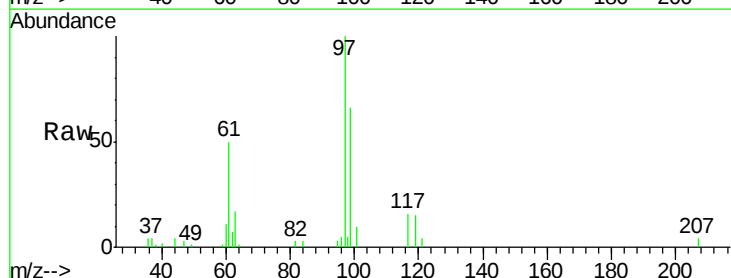
Manual Integrations
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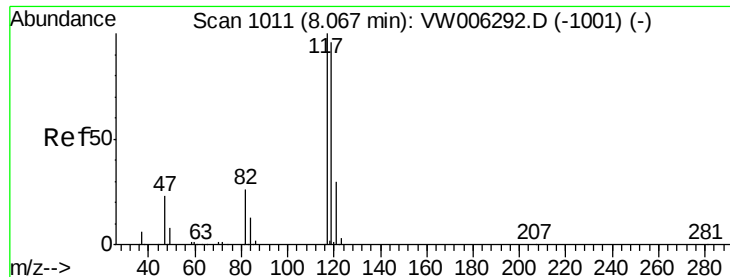
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 2.034 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.4
61	43.6	33.6	50.4





#32

Carbon tetrachloride

Concen: 1.978 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion:117 Resp: 11930

Ion Ratio Lower Upper

117 100

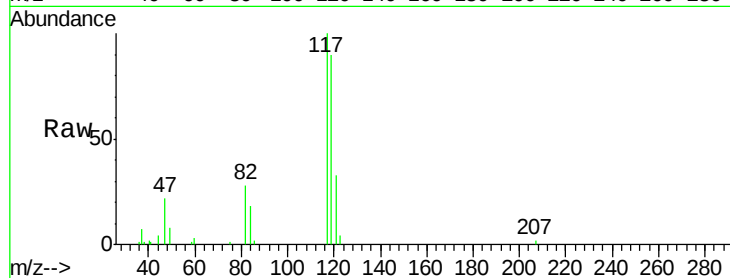
119 96.5 76.9 115.3

Manual Integrations

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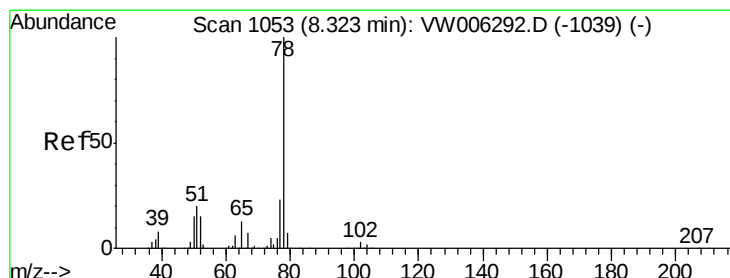
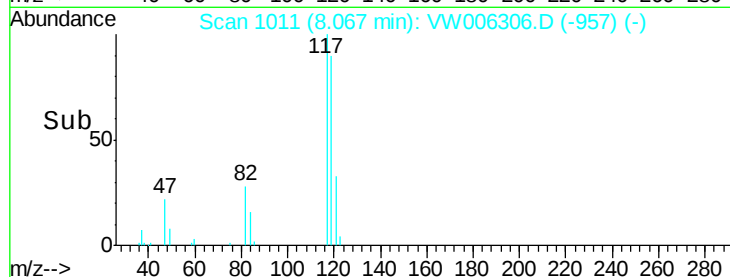
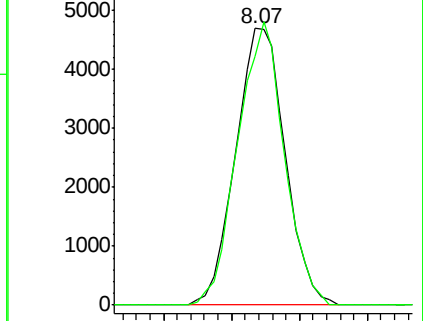
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.144 ug/L

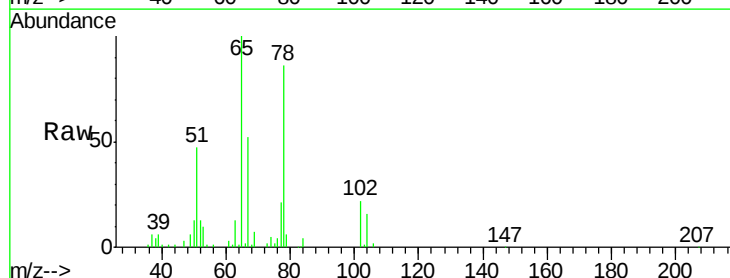
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

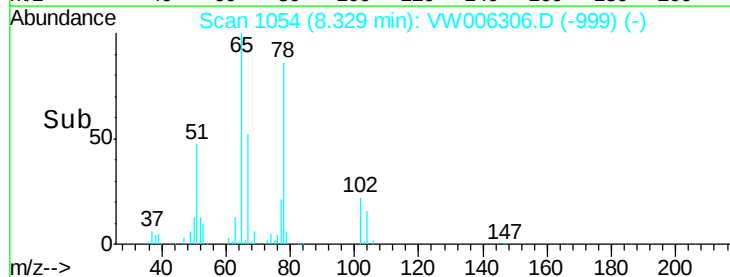
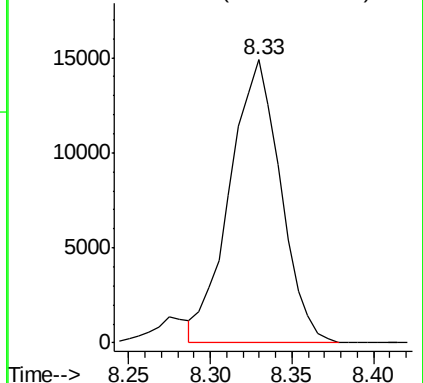
Lab File: VW006306.D

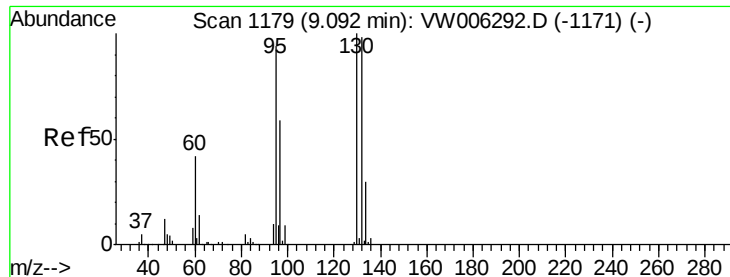
Acq: 23 Oct 2018 20:16

Tgt Ion: 78 Resp: 32341



Abundance Ion 78.00 (77.70 to 78.70): VW





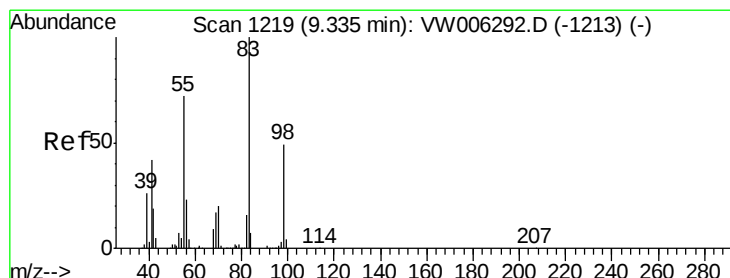
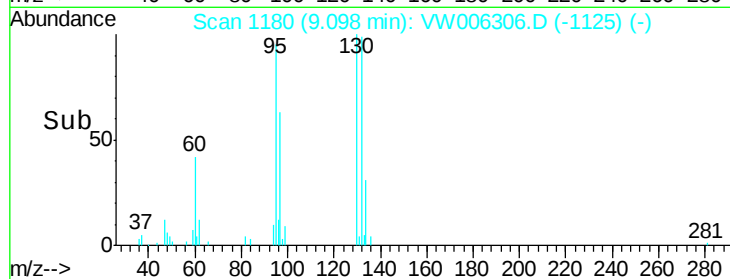
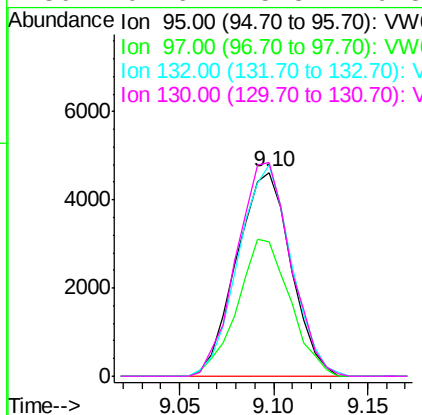
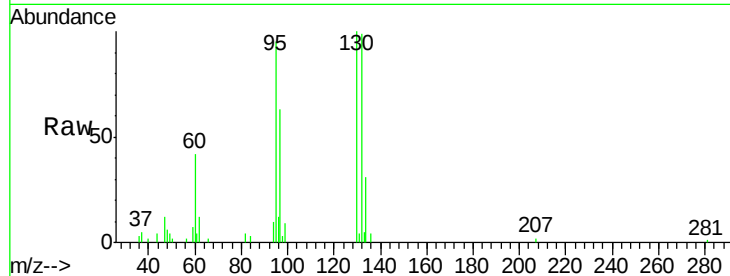
#35
 Trichloroethene
 Concen: 2.175 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.8	85.0
132	101.0	72.9	135.3
130	104.6	75.8	140.8

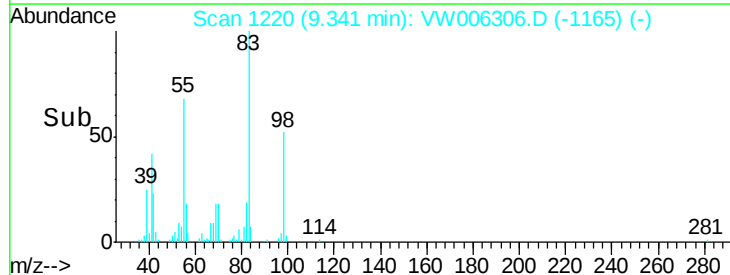
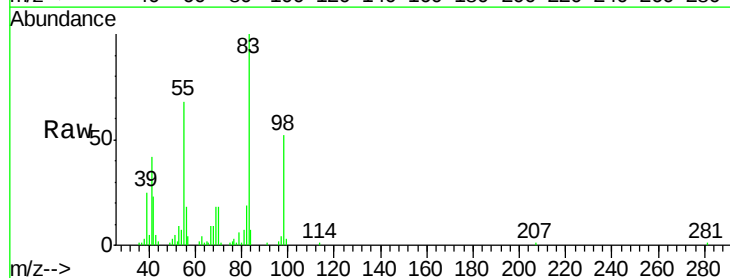
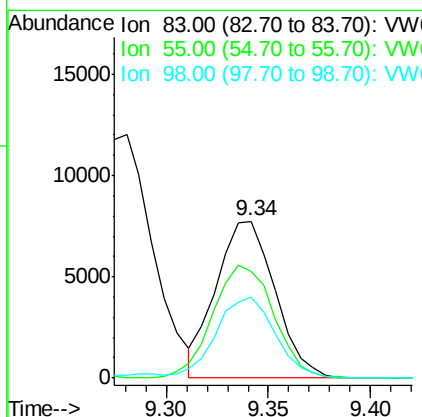
Manual Integrations
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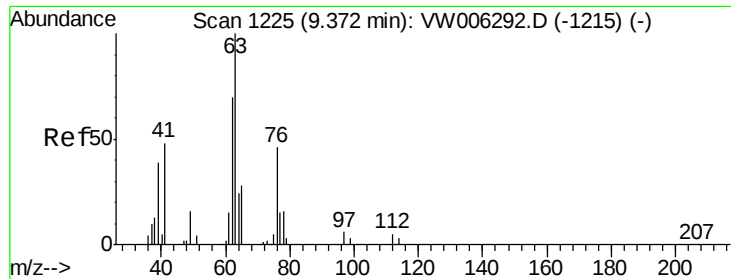
MMDadoda
 10/24/2018 2:08:07 PM



#36
 Methylcyclohexane
 Concen: 1.989 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.3	57.1	85.7
98	52.1	38.9	58.3





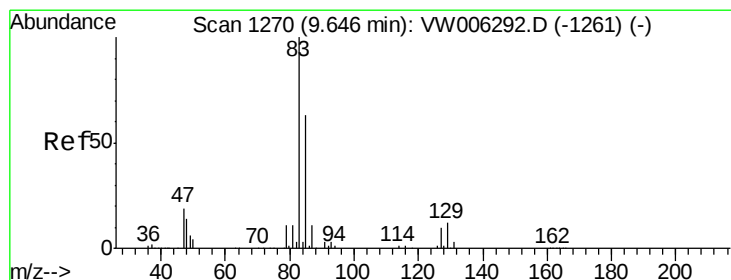
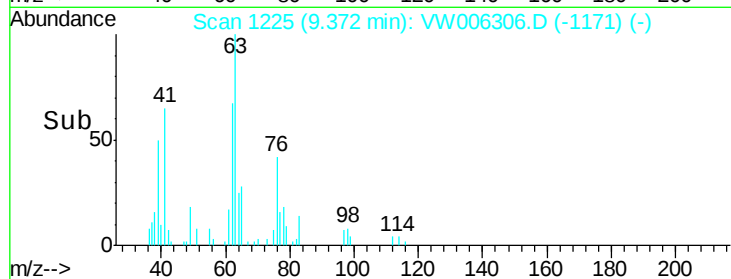
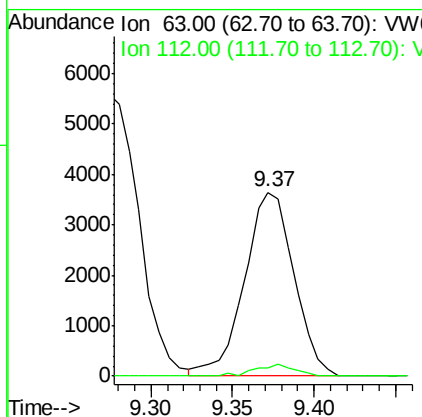
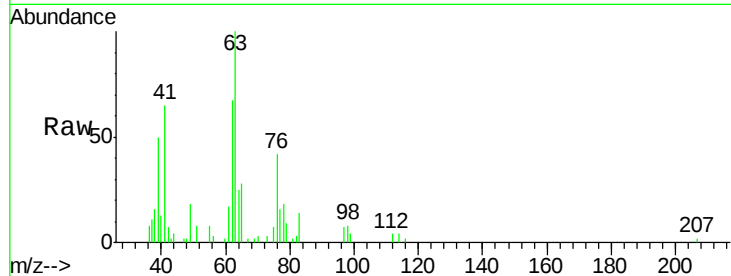
#40
 1,2-Dichloropropane
 Concen: 2.054 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 63 Resp: 7687
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3

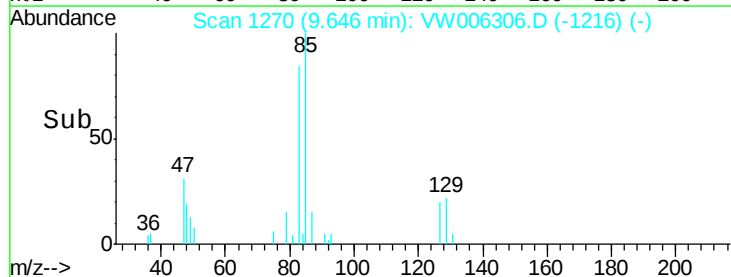
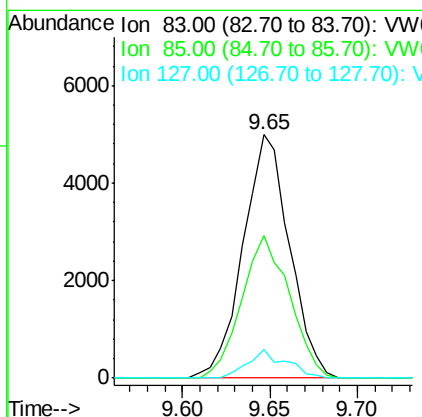
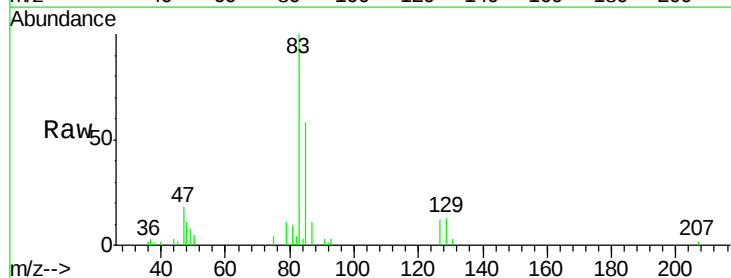
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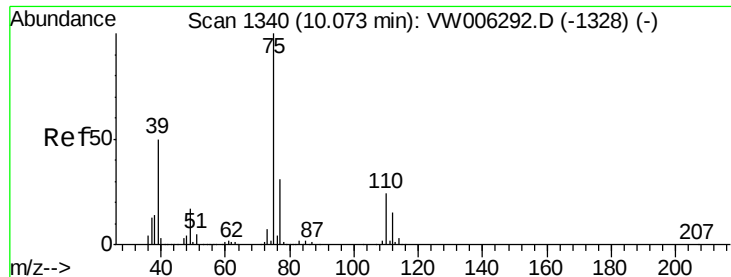
MMDadoda
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#41
 Bromodichloromethane
 Concen: 1.823 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion: 83 Resp: 9212
 Ion Ratio Lower Upper
 83 100
 85 58.4 45.5 84.5
 127 11.7 7.4 11.2#





#42

cis-1,3-Dichloropropene

Concen: 1.793 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 75 Resp: 10962

Ion Ratio Lower Upper

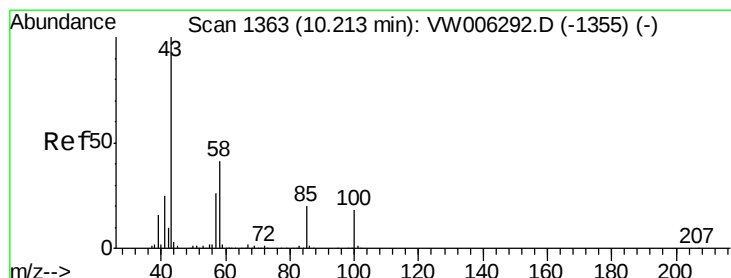
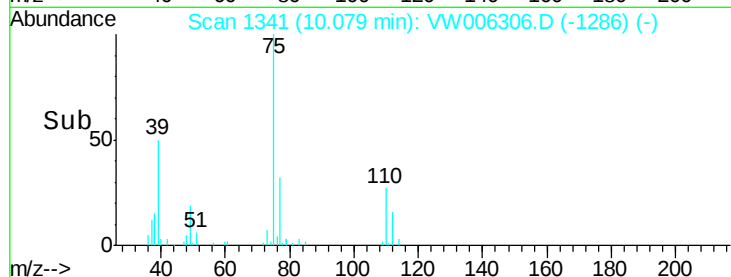
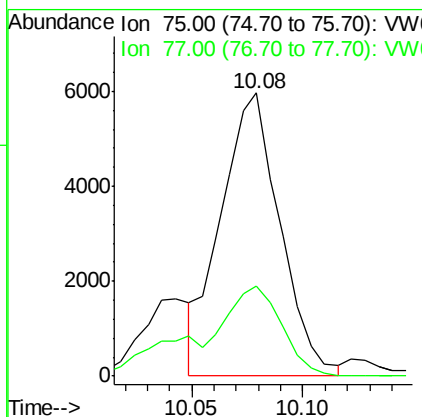
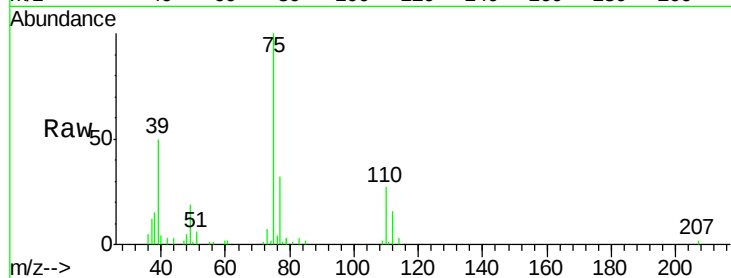
75 100

77 31.8 22.6 42.0

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#43

4-Methyl-2-pentanone

Concen: 4.251 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

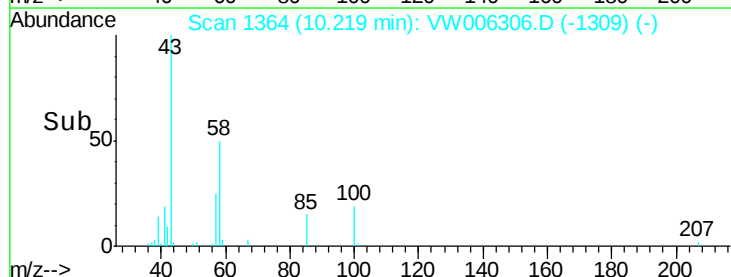
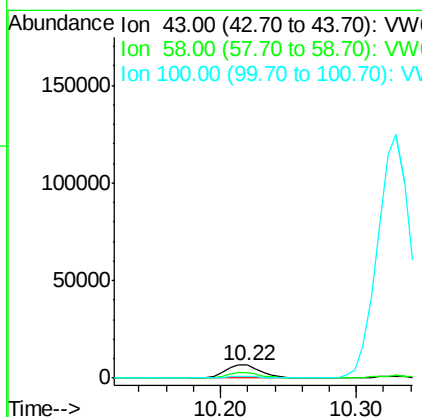
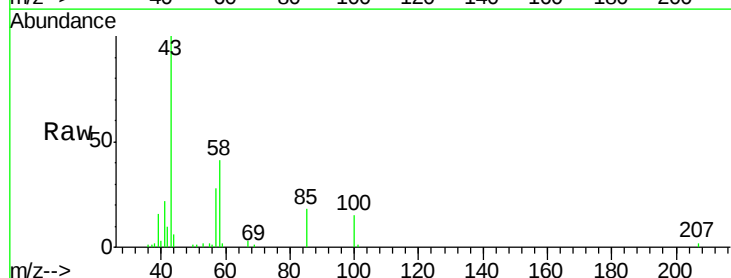
Tgt Ion: 43 Resp: 12747

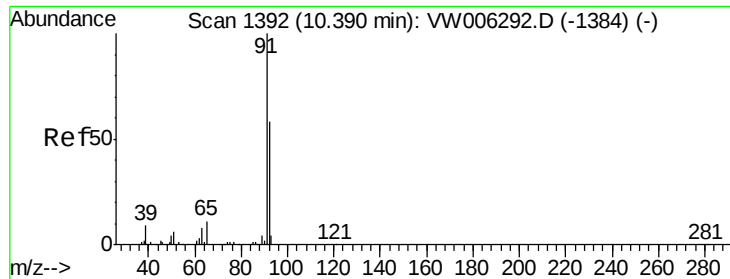
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 16.2 13.3 19.9





#44

Toluene

Concen: 2.130 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 91 Resp: 36077

Ion Ratio Lower Upper

91 100

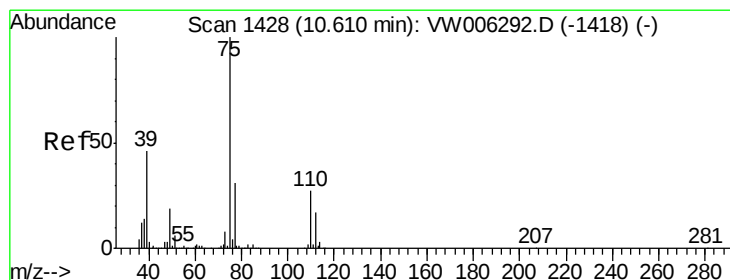
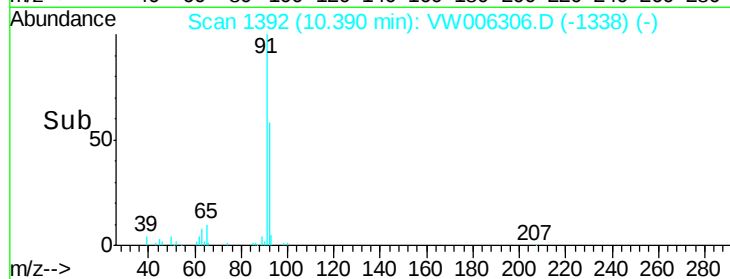
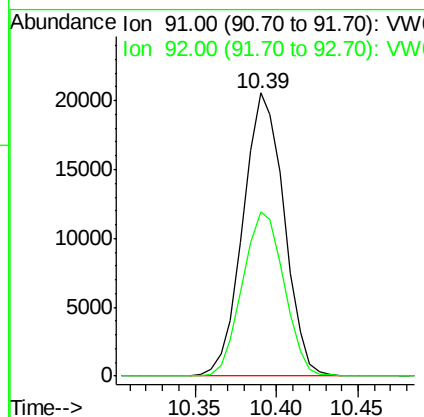
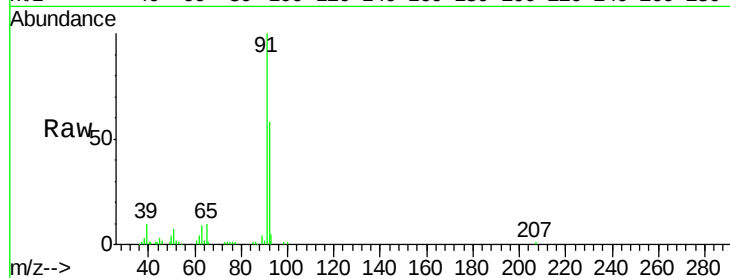
92 58.1 40.4 75.0

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#45

trans-1,3-Dichloropropene

Concen: 2.041 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006306.D

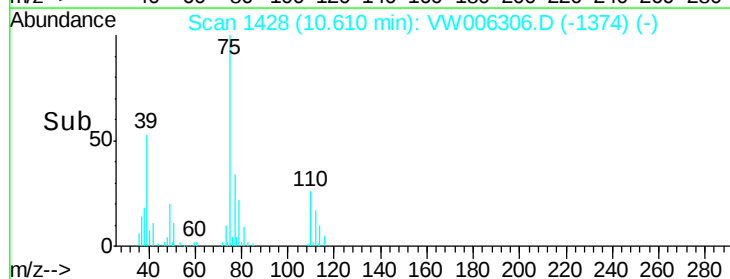
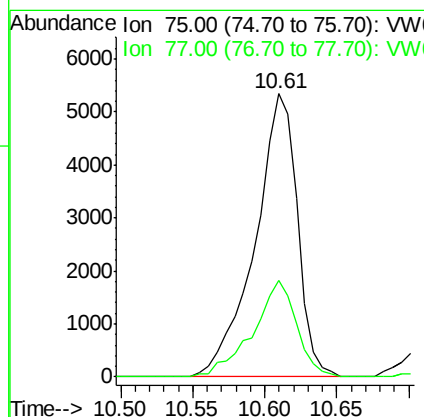
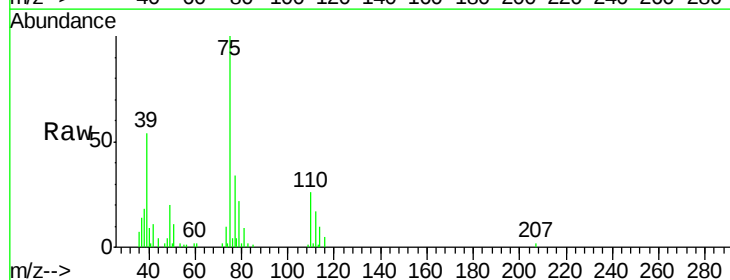
Acq: 23 Oct 2018 20:16

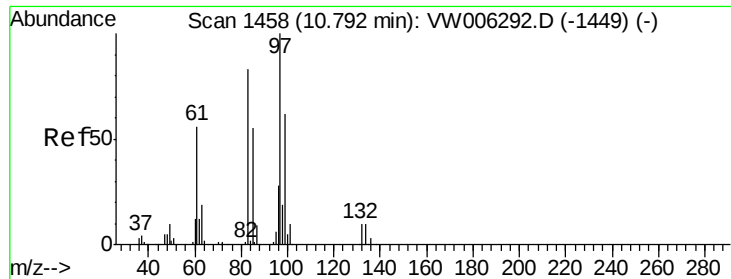
Tgt Ion: 75 Resp: 10899

Ion Ratio Lower Upper

75 100

77 34.1 22.4 41.6





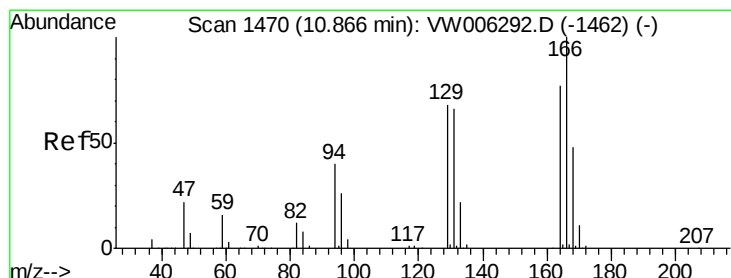
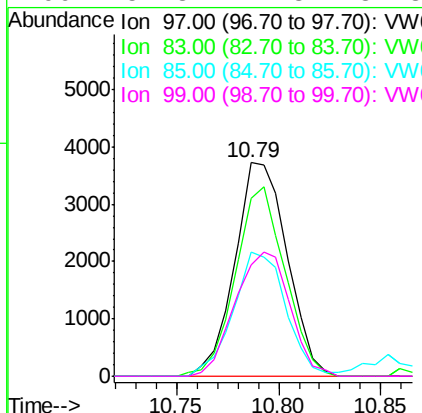
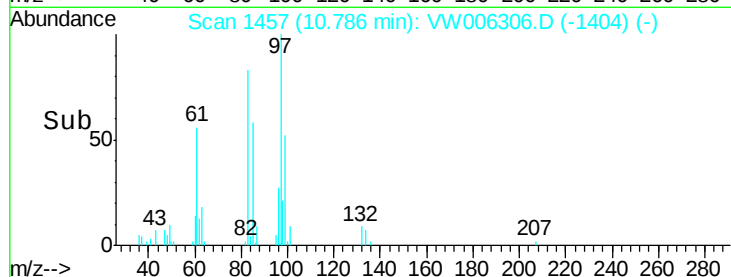
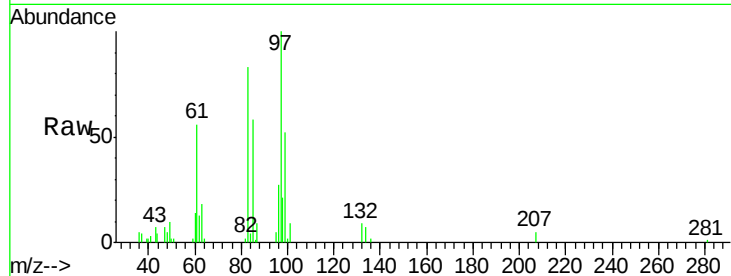
#46
 1,1,2-Trichloroethane
 Concen: 2.127 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	97	Resp:	6627
Ion	Ratio	Lower	Upper
97	100		
83	83.2	60.0	111.4
85	57.9	38.7	71.9
99	52.3	44.3	82.3

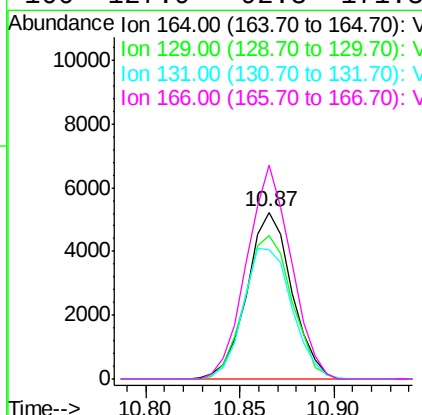
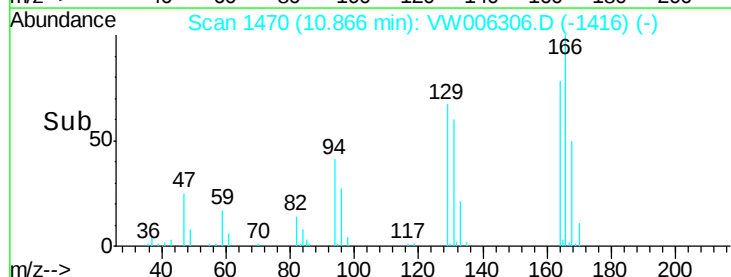
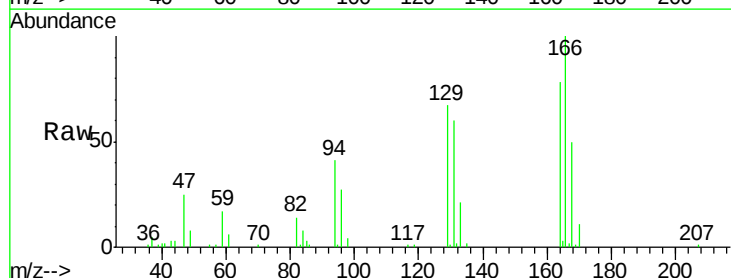
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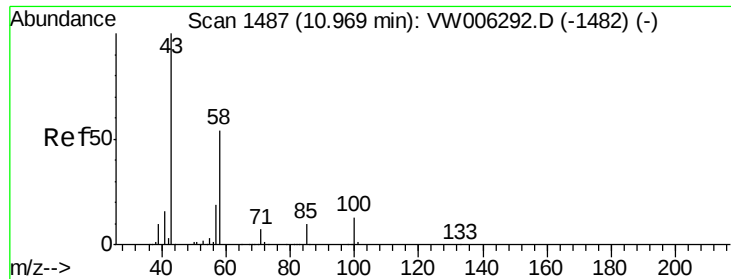
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#47
 Tetrachloroethene
 Concen: 2.203 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion:	164	Resp:	8655
Ion	Ratio	Lower	Upper
164	100		
129	86.0	65.4	121.4
131	77.1	63.8	118.4
166	127.9	92.3	171.3





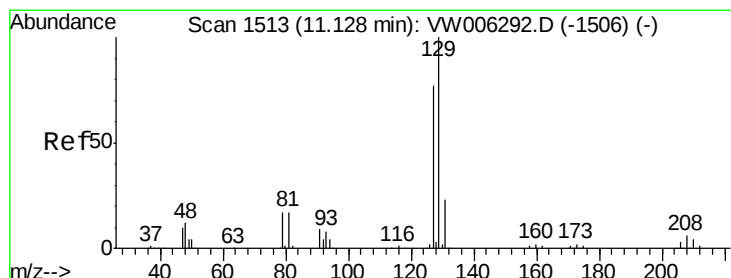
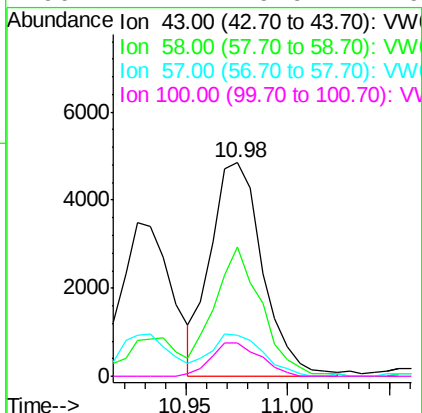
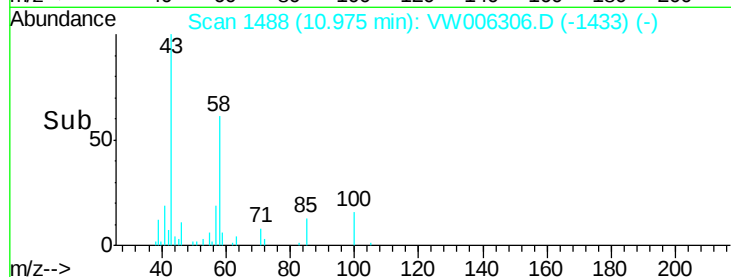
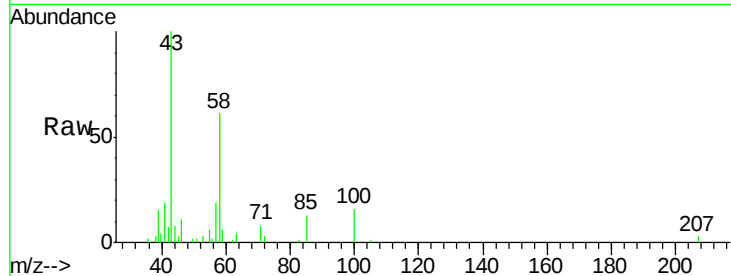
#49
2-Hexanone
Concen: 3.900 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:	43	Resp:	8619
Ion	Ratio	Lower	Upper
43	100		
58	54.5	42.1	63.1
57	20.4	15.1	22.7
100	14.7	9.9	14.9

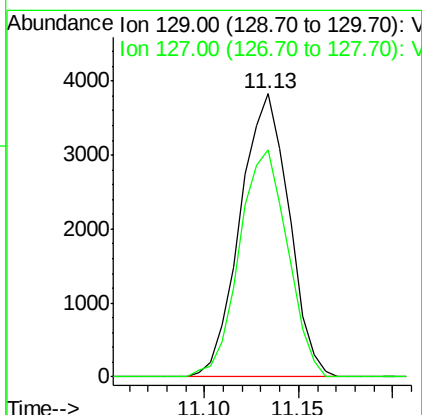
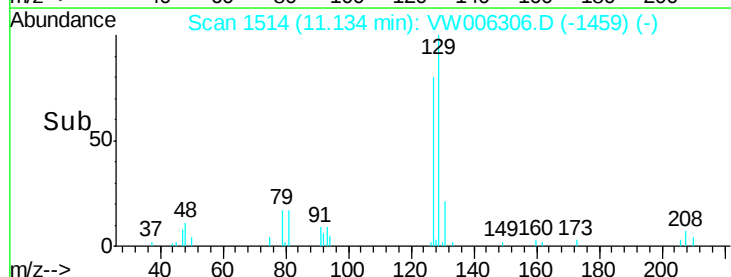
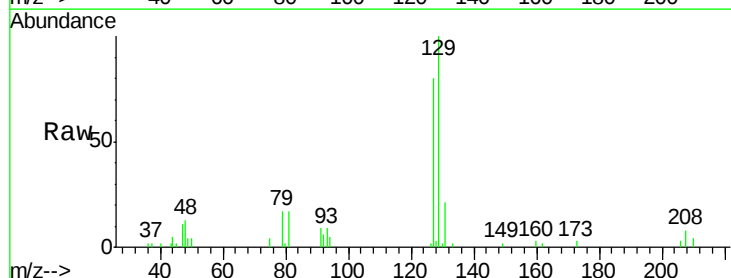
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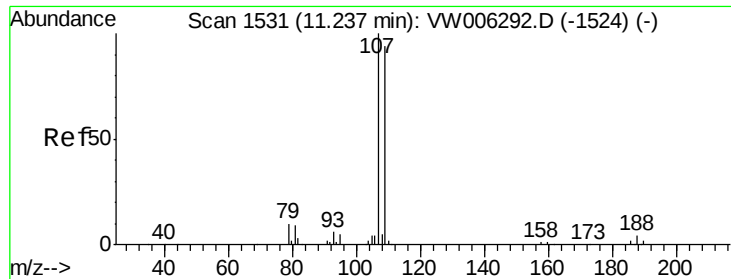
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#50
Dibromochloromethane
Concen: 1.719 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion:	129	Resp:	6865
Ion	Ratio	Lower	Upper
129	100		
127	80.3	54.4	101.0





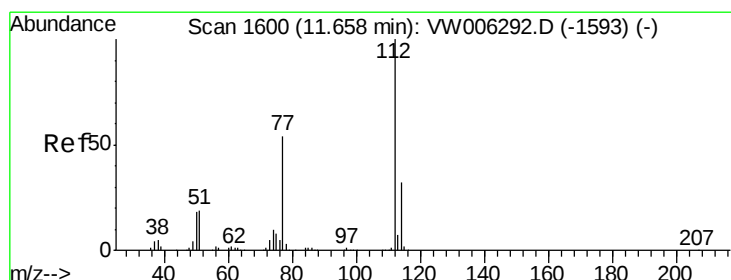
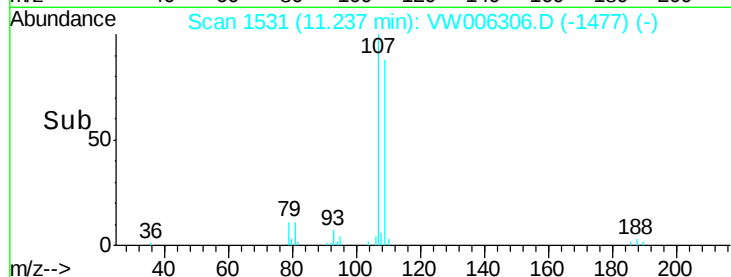
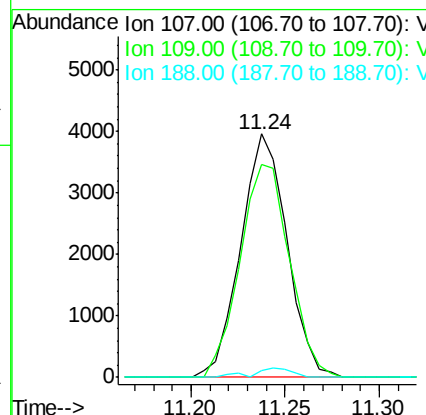
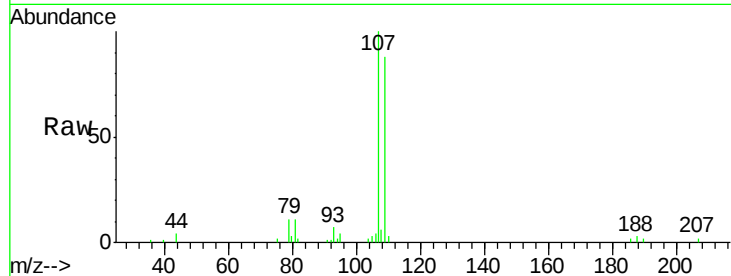
#51
1,2-Dibromoethane
Concen: 2.081 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	6751		
109	87.6	66.6	123.8	
188	2.9	3.4	5.0#	

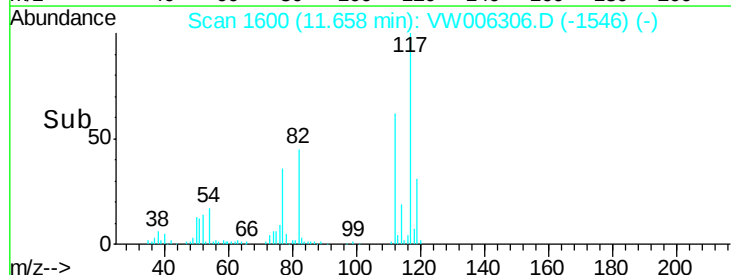
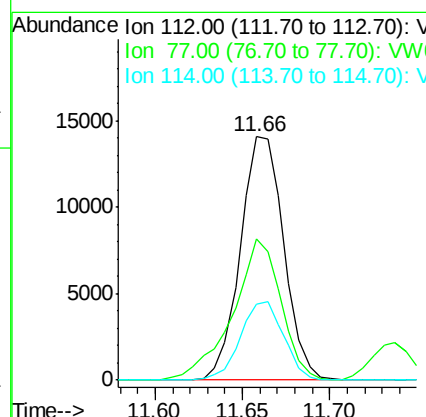
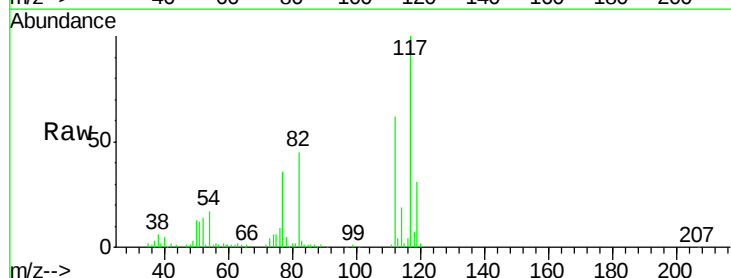
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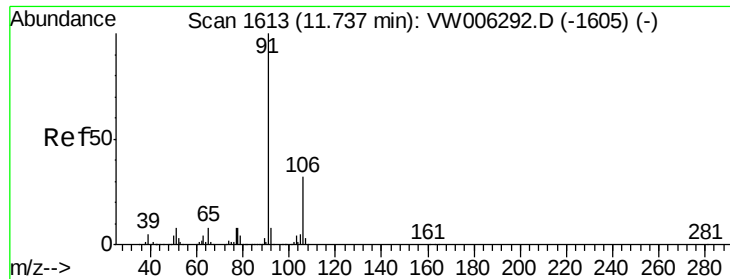
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#52
Chlorobenzene
Concen: 2.129 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	24403		
77	58.1	44.2	66.2	
114	31.0	22.1	41.1	





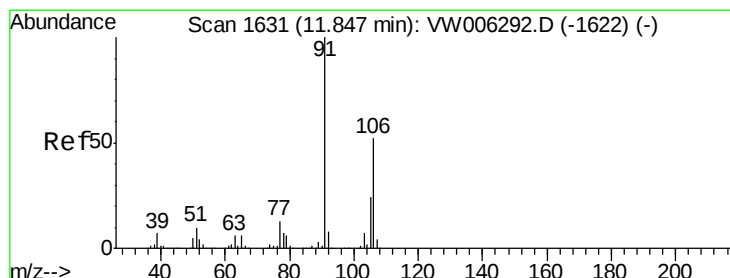
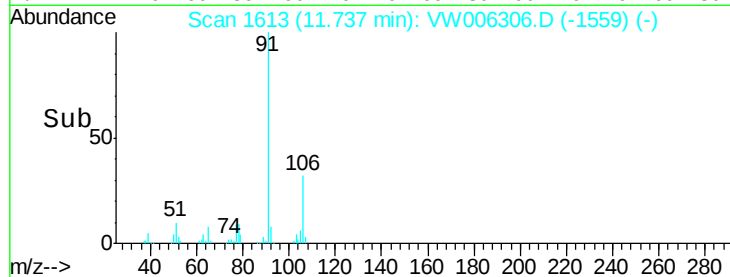
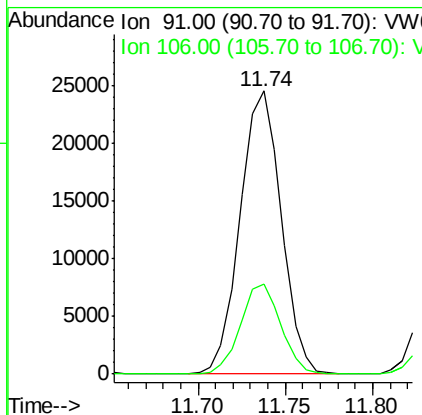
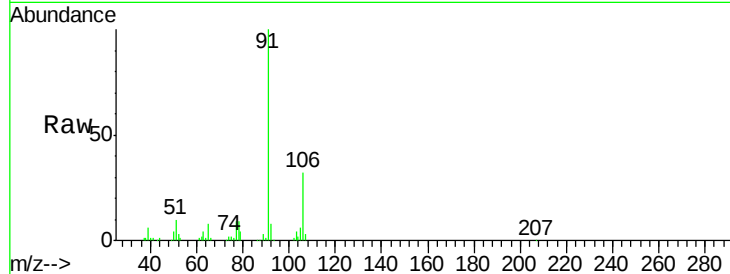
#53
Ethylbenzene
Concen: 2.042 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion: 91 Resp: 40263
Ion Ratio Lower Upper
91 100
106 31.9 22.6 42.0

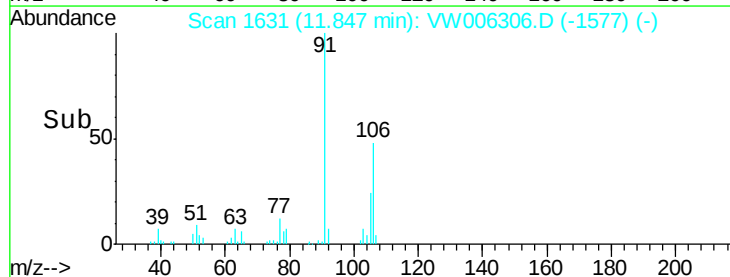
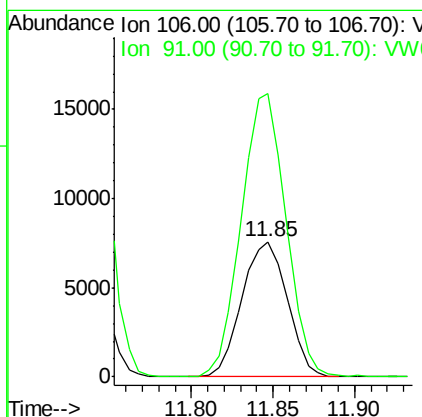
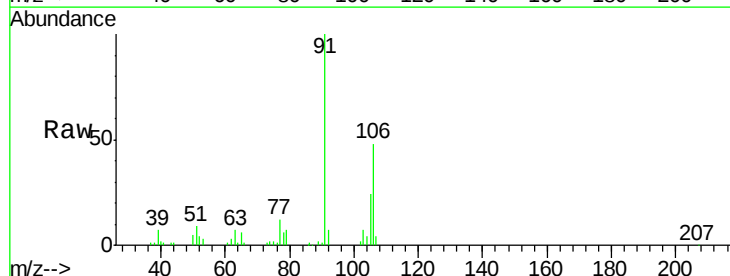
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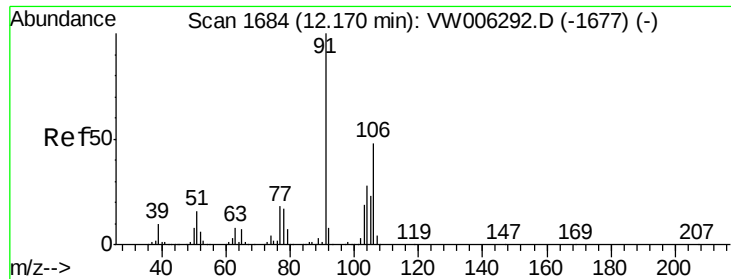
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#54
m,p-Xylene
Concen: 1.903 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion: 106 Resp: 14706
Ion Ratio Lower Upper
106 100
91 209.3 138.4 257.0





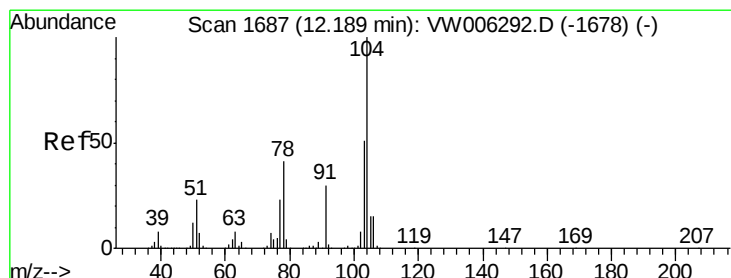
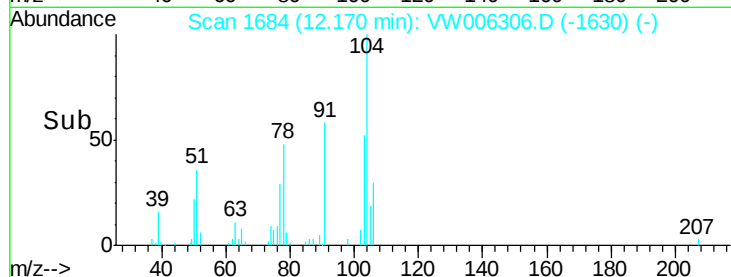
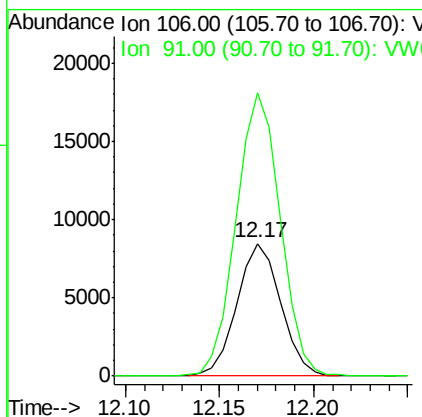
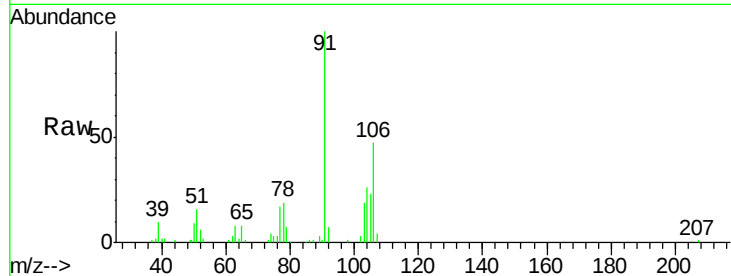
#55
o-xylene
Concen: 1.852 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion:106 Resp: 13669
Ion Ratio Lower Upper
106 100
91 213.8 148.7 276.1

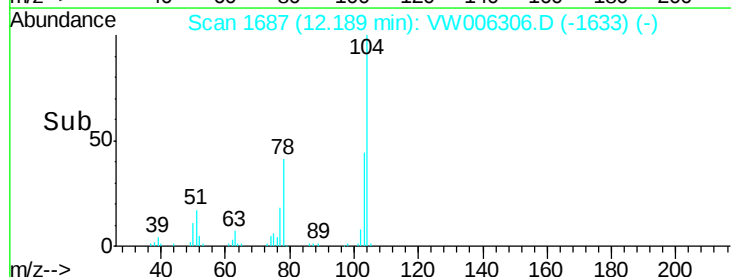
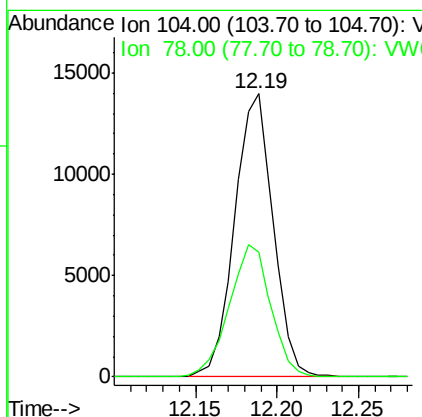
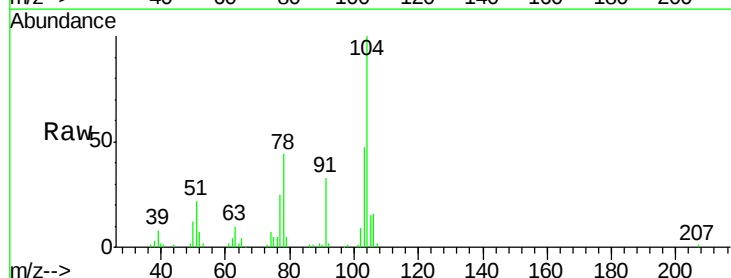
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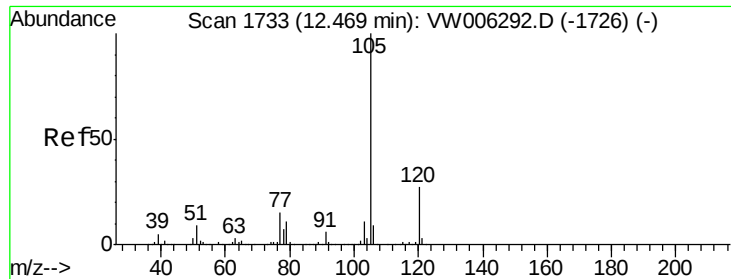
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#56
Styrene
Concen: 1.806 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion:104 Resp: 22952
Ion Ratio Lower Upper
104 100
78 43.9 31.2 58.0





#57

Isopropylbenzene

Concen: 1.949 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

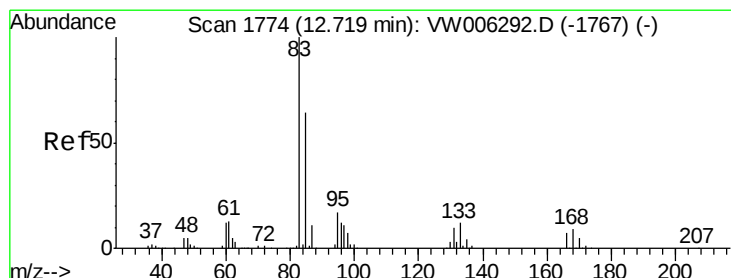
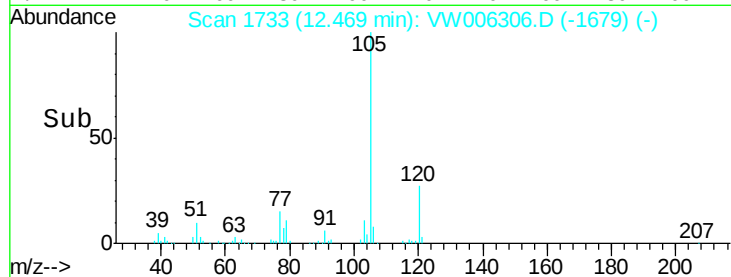
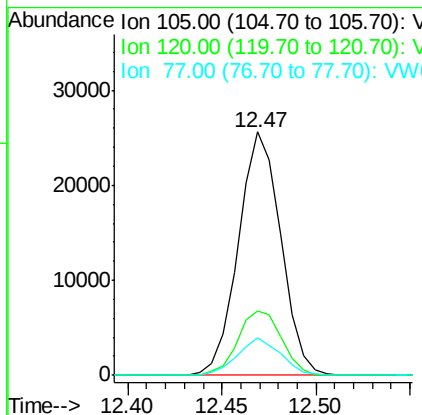
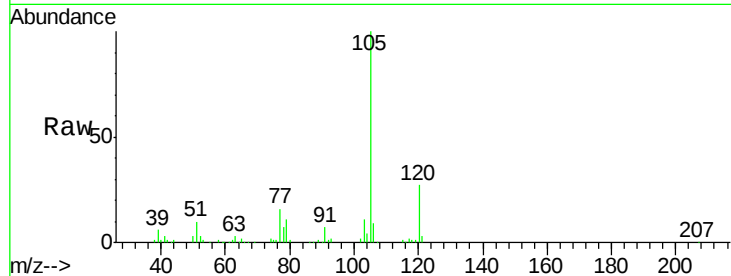
ClientSampleId :

MDL 2 PPB

Tgt Ion:	105	Resp:	40020
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.8	32.6
77	15.6	12.2	18.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.316 ug/L

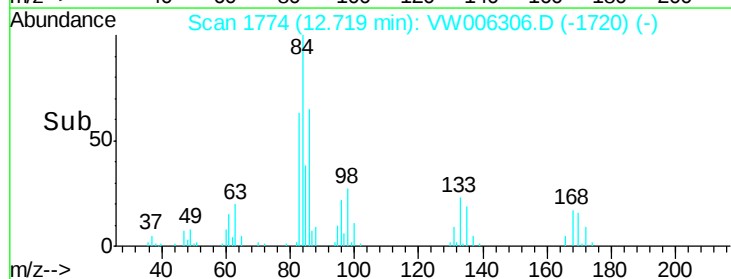
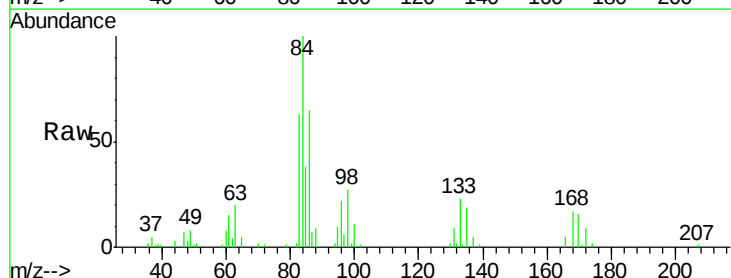
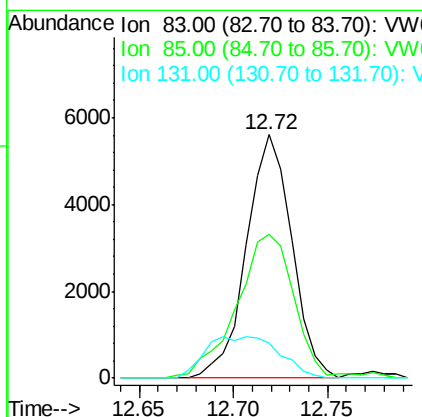
RT: 12.72 min Scan# 1774

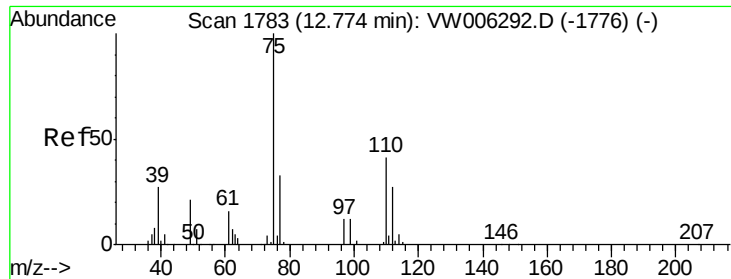
Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Tgt Ion:	83	Resp:	9379
Ion	Ratio	Lower	Upper
83	100		
85	59.3	44.8	83.2
131	14.5	9.0	13.4#





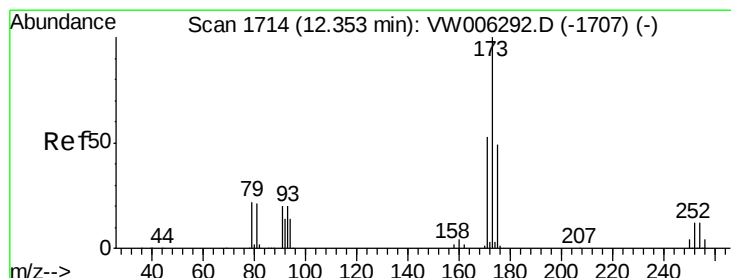
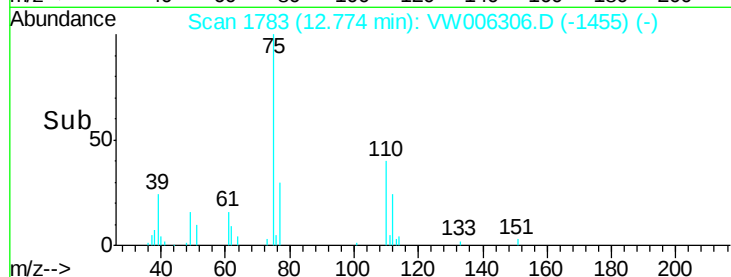
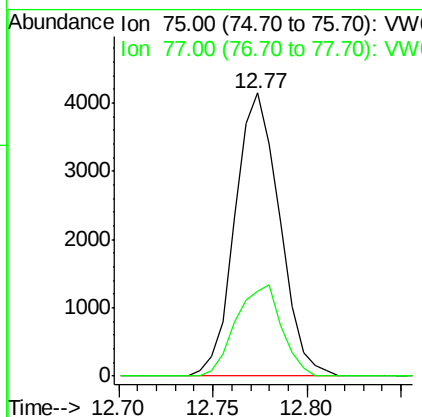
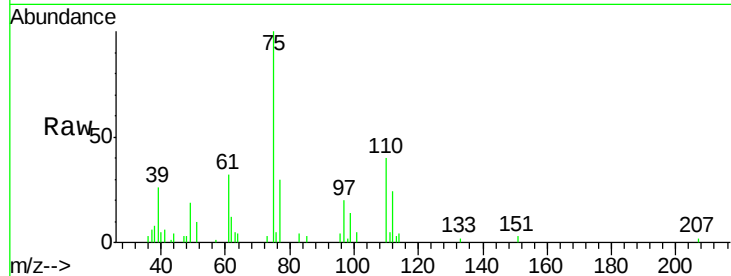
#59
 1,2,3-Trichloropropane
 Concen: 2.254 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion: 75 Resp: 6809
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.9 38.9

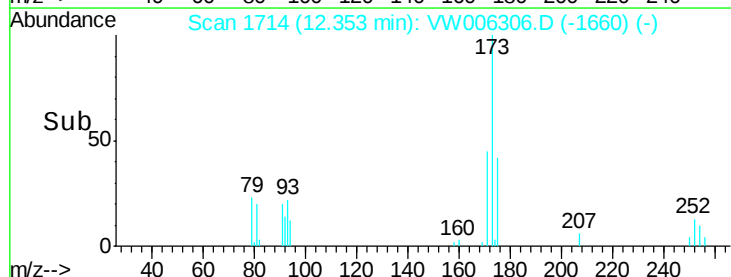
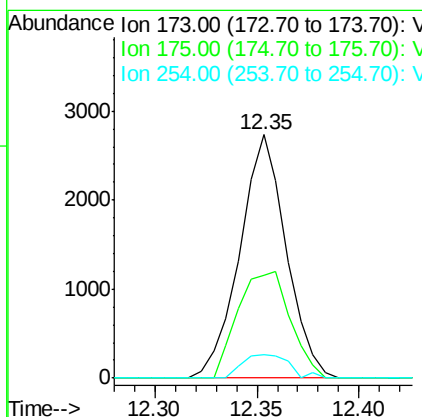
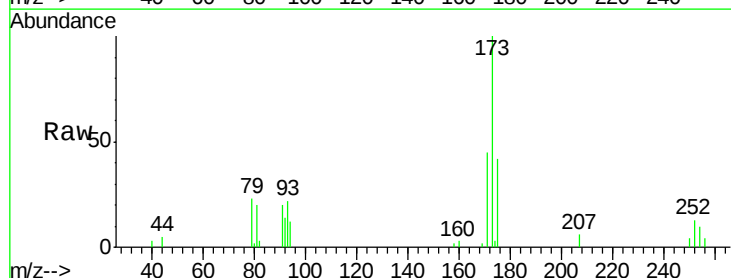
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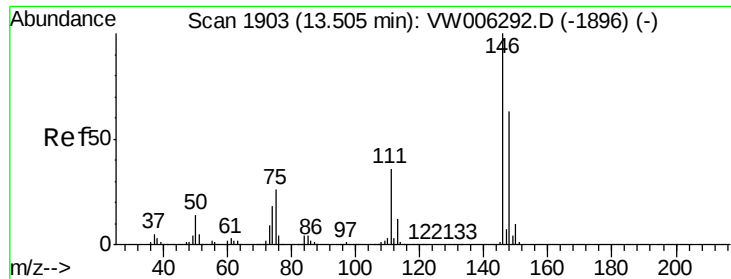
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#62
 Bromoform
 Concen: 1.666 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion: 173 Resp: 4322
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.1 58.7
 254 9.2 9.2 13.8





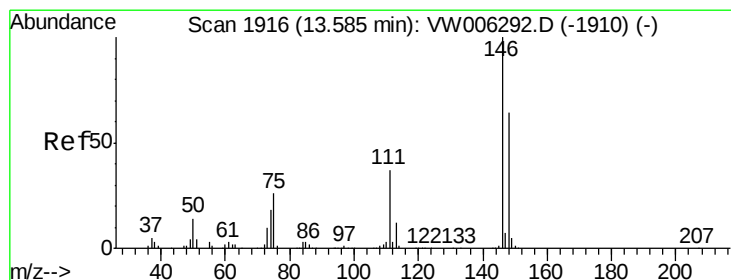
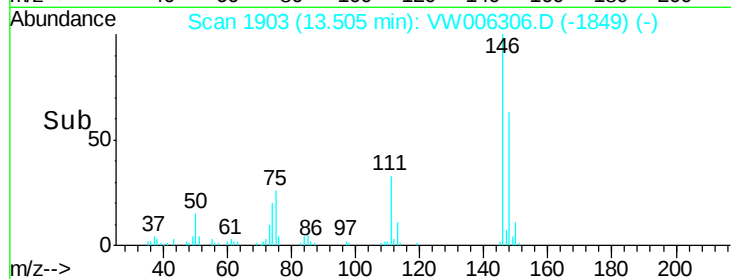
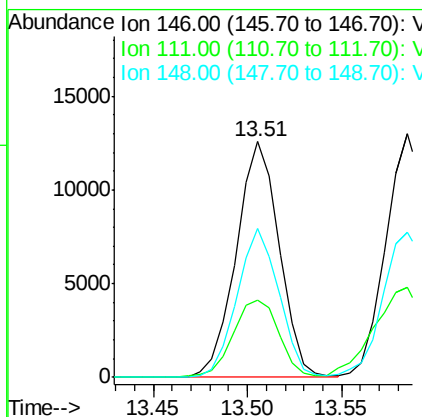
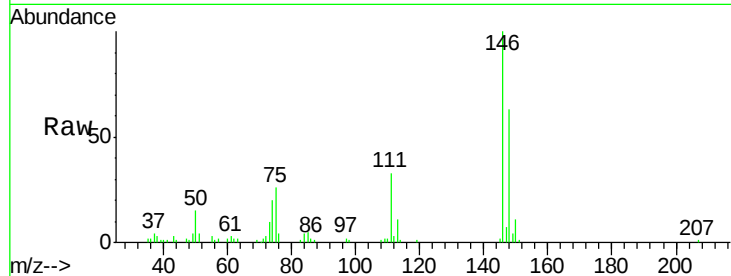
#63
 1,3-Dichlorobenzene
 Concen: 2.098 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	26.3	48.9
148	63.4	44.7	82.9

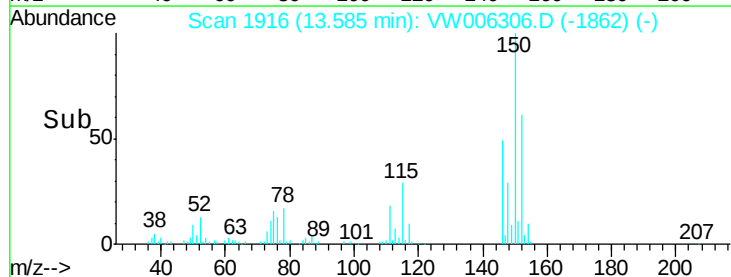
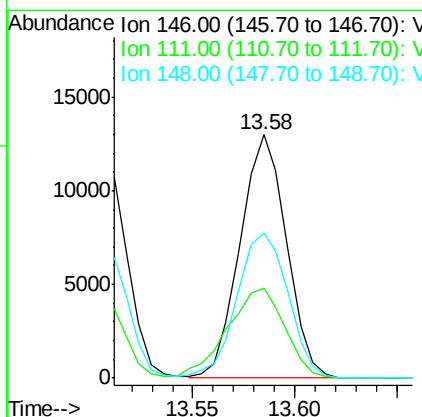
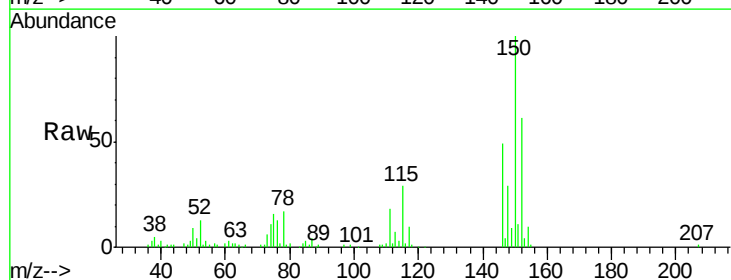
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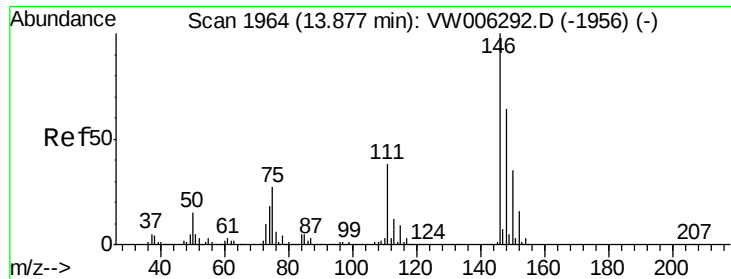
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#64
 1,4-Dichlorobenzene
 Concen: 2.140 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	24.7	45.9
148	59.8	44.9	83.5





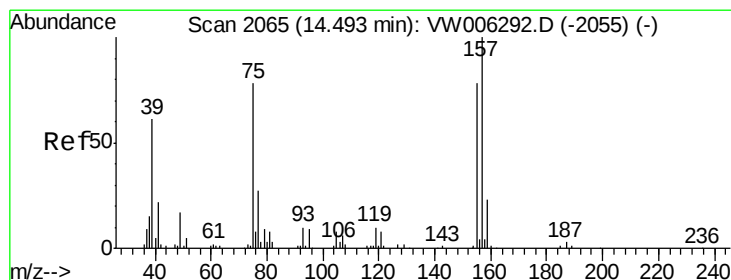
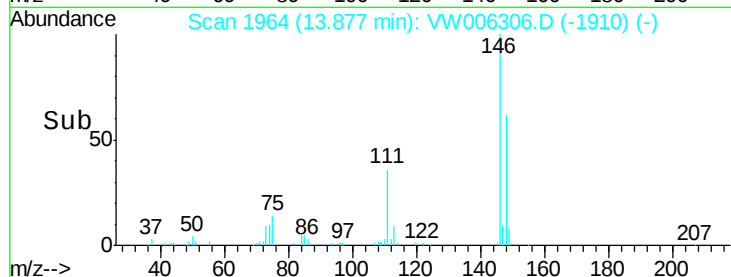
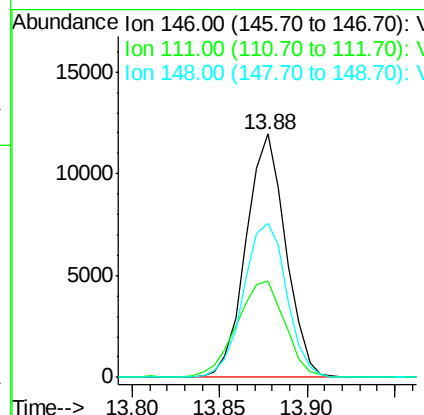
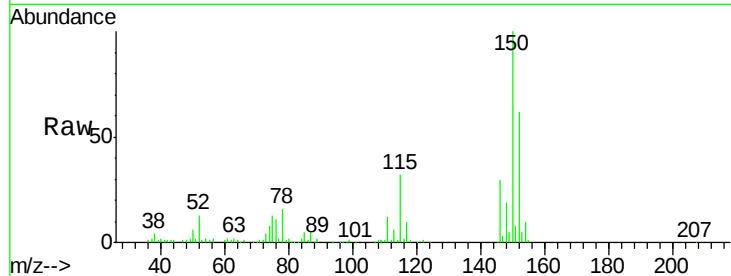
#65
1,2-Dichlorobenzene
Concen: 2.164 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.1	46.7
148	63.3	51.2	76.8

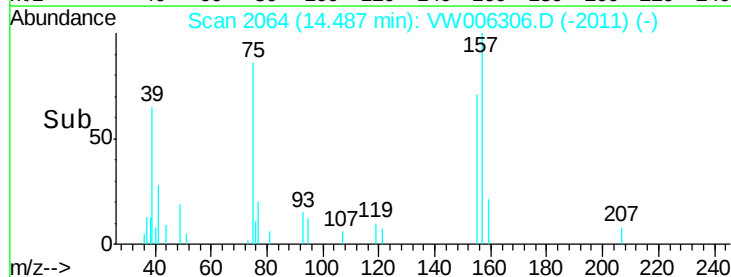
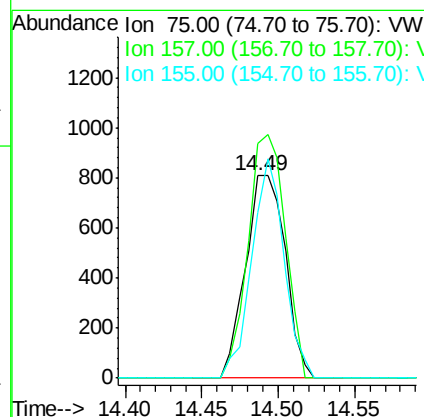
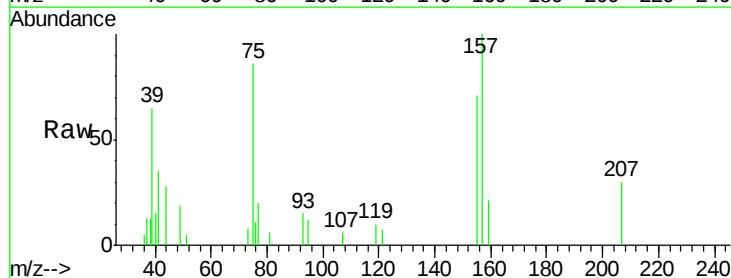
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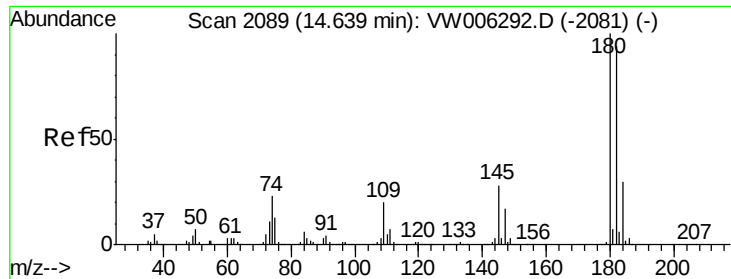
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#66
1,2-Dibromo-3-chloropropane
Concen: 2.074 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
157	115.7	106.8	160.2
155	82.0	79.2	118.8





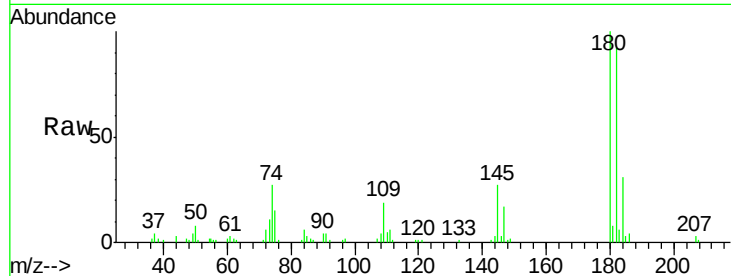
#67
 1,3,5-Trichlorobenzene
 Concen: 2.038 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

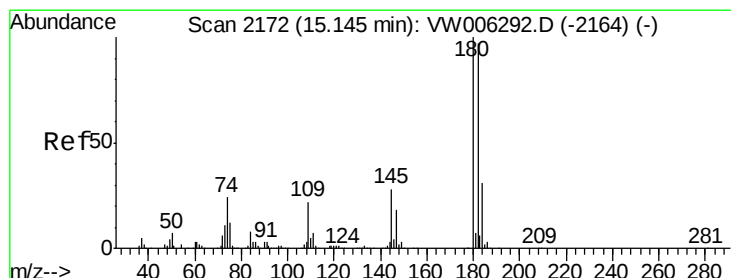
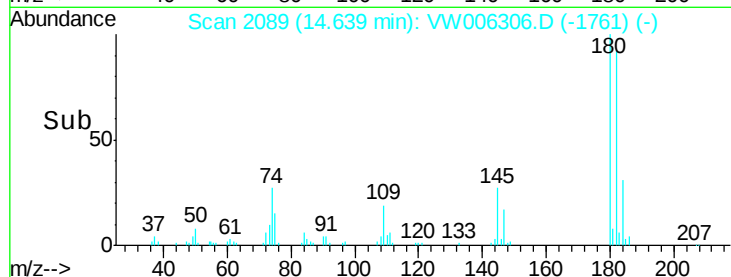
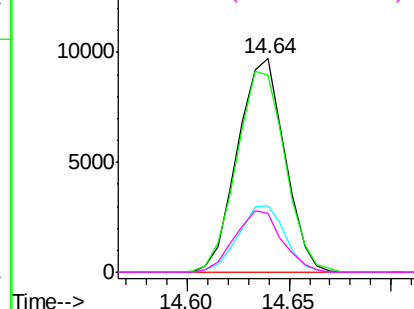
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15615		
182	97.0	76.0	114.0	
184	30.9	24.3	36.5	
145	28.9	22.6	33.8	

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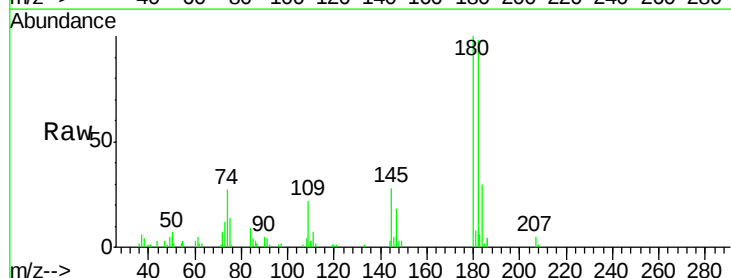


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

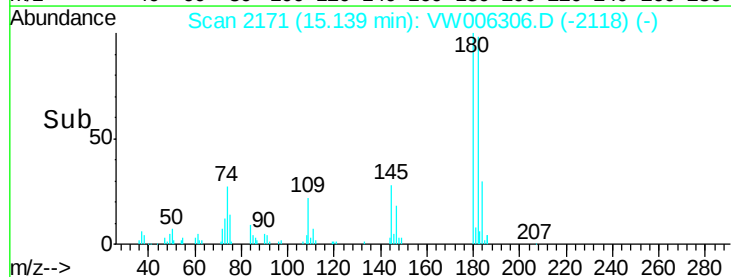
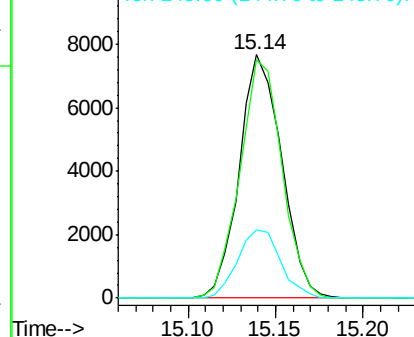


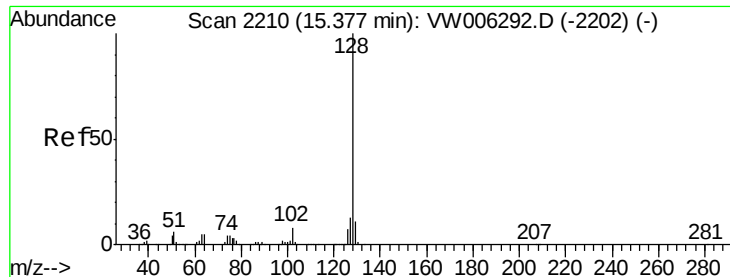
#68
 1,2,4-trichlorobenzene
 Concen: 1.979 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12931		
182	97.4	76.2	114.2	
145	28.5	23.0	34.6	



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





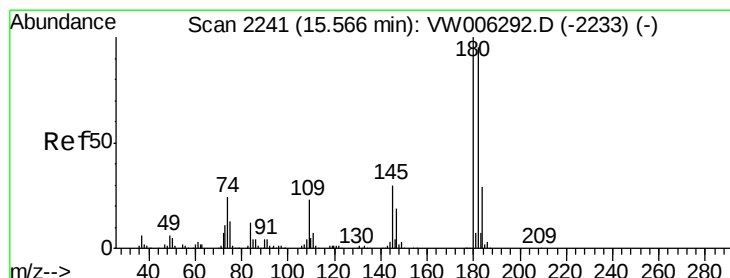
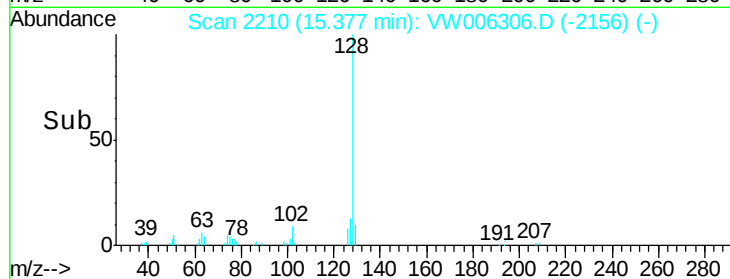
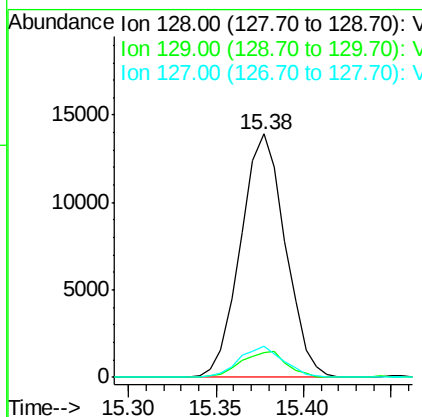
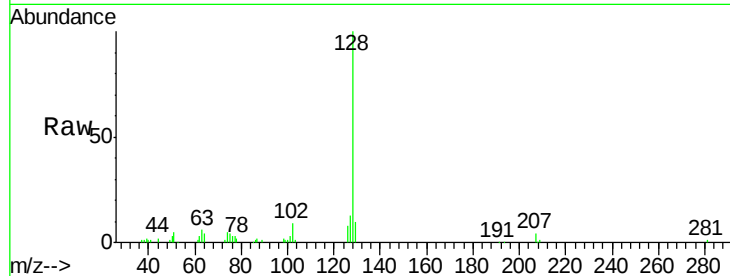
#69
Naphthalene
Concen: 1.870 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	24741		
129	10.8		8.9	13.3
127	12.5		10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 2.036 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	11952		
182	96.1		75.5	113.3
145	30.3		24.5	36.7

