

Data File : VW006307.D
Acq On : 23 Oct 2018 20:42
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

Quant Time: Oct 24 05:26:42 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	337979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314056	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	165755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	72312	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
7) Chloroethane-d5	2.90	69	71954	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	4.01	63	119763	16.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.44%
20) 2-Butanone-d5	7.09	46	57954	45.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.74%
24) Chloroform-d	7.65	84	160263	21.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	8.31	65	94050	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.88%
29) Benzene-d6	8.27	84	329980	23.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.56%
33) 1,2-Dichloropropane-d6	9.28	67	94915	22.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.24%
37) Toluene-d8	10.33	98	324086	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.92%
38) trans-1,3-Dichloropropene-	10.58	79	38549	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.72%
39) 2-Hexanone-d5	10.93	63	46422	44.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97990	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	134652	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6343	1.986 ug/L	95
3) Chloromethane	2.21	50	7789	2.483 ug/L	98
5) Vinyl chloride	2.37	62	10756	2.127 ug/L #	75
6) Bromomethane	2.79	94	8153	2.071 ug/L	94
8) Chloroethane	2.93	64	6633	2.140 ug/L	96
9) Trichlorofluoromethane	3.26	101	8377	2.071 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	9267	2.291 ug/L	96
12) 1,1-Dichloroethene	4.03	96	8530	2.198 ug/L #	1
13) Acetone	4.15	43	6579	5.154 ug/L	60
14) Carbon disulfide	4.38	76	21900	1.726 ug/L	98
15) Methyl Acetate	4.68	43	4703	2.275 ug/L	96
16) Methylene chloride	4.92	84	16556	3.794 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	13223	2.093 ug/L #	77
18) trans-1,2-Dichloroethene	5.43	96	9440	2.197 ug/L	86
19) 1,1-Dichloroethane	6.23	63	14159	2.037 ug/L	96
21) 2-Butanone	7.19	43	7878	4.645 ug/L	78
22) cis-1,2-Dichloroethene	7.17	96	9410	2.008 ug/L	94

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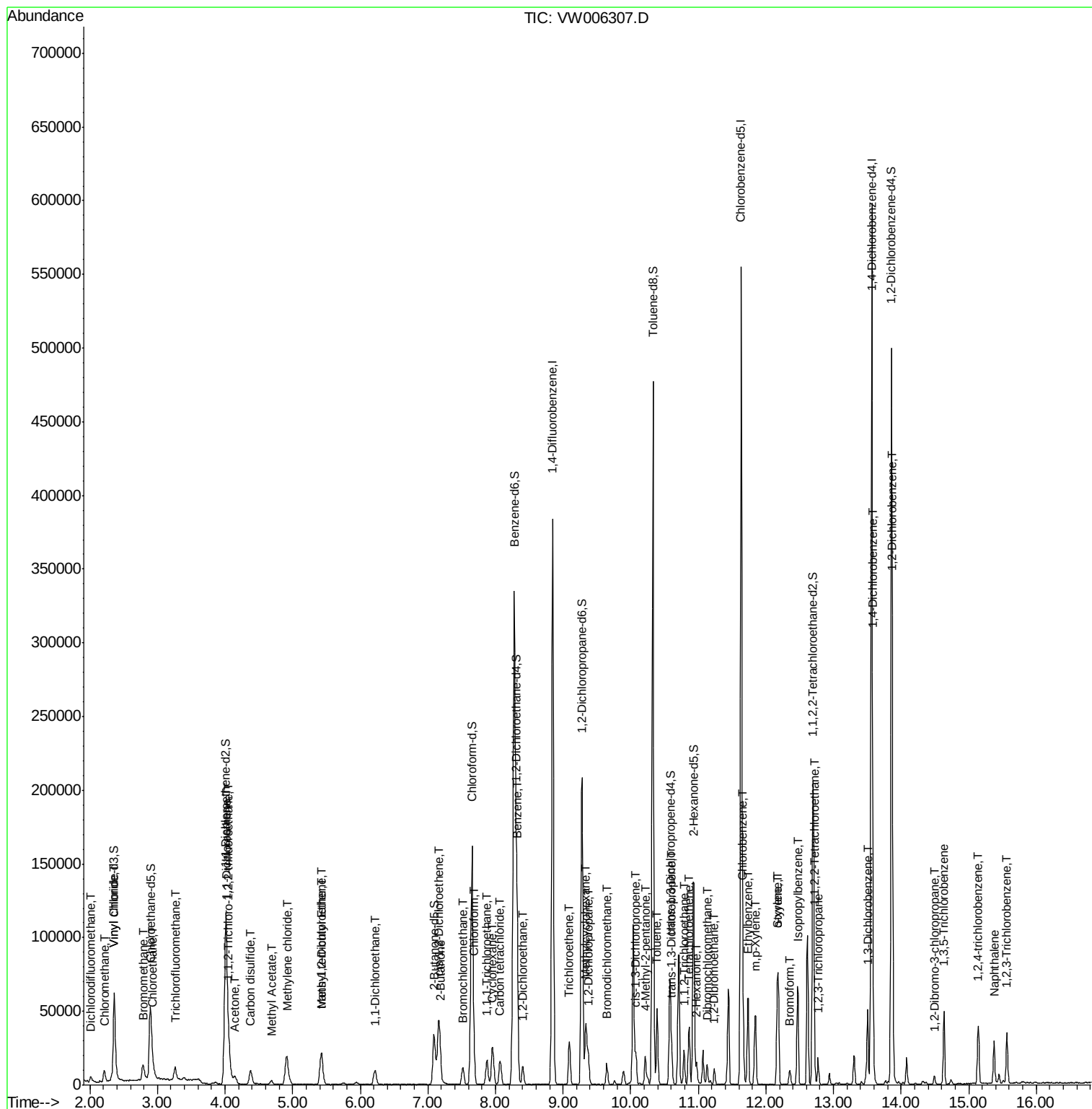
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4461	2.024	ug/L	91
25) Chloroform	7.68	83	16062	2.146	ug/L	87
27) 1,2-Dichloroethane	8.41	62	11086	2.173	ug/L #	94
30) Cyclohexane	7.96	56	13602	1.971	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	13816	2.102	ug/L	98
32) Carbon tetrachloride	8.07	117	12434	1.929	ug/L	100
34) Benzene	8.32	78	35881	2.226	ug/L	100
35) Trichloroethene	9.09	95	9311	2.053	ug/L	97
36) Methylcyclohexane	9.34	83	16383	1.971	ug/L	98
40) 1,2-Dichloropropane	9.37	63	7904	1.976	ug/L #	97
41) Bromodichloromethane	9.65	83	9436	1.747	ug/L #	99
42) cis-1,3-Dichloropropene	10.08	75	11619	1.779	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	12758	3.981	ug/L	98
44) Toluene	10.39	91	38620	2.133	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	11474	2.011	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	7188	2.158	ug/L	93
47) Tetrachloroethene	10.87	164	9139	2.176	ug/L	94
49) 2-Hexanone	10.98	43	8765	3.711	ug/L	97
50) Dibromochloromethane	11.13	129	7076	1.658	ug/L	100
51) 1,2-Dibromoethane	11.24	107	6852	1.976	ug/L	95
52) Chlorobenzene	11.66	112	25239	2.060	ug/L	99
53) Ethylbenzene	11.73	91	41781	1.982	ug/L	98
54) m,p-Xylene	11.84	106	15973	1.934	ug/L	95
55) o-xylene	12.17	106	14571	1.847	ug/L	93
56) Styrene	12.18	104	24231	1.784	ug/L	96
57) Isopropylbenzene	12.47	105	42500	1.936	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9612	2.221	ug/L #	89
59) 1,2,3-Trichloropropane	12.77	75	6985	2.163	ug/L	98
62) Bromoform	12.35	173	4557	1.641	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	20345	1.999	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	21810	2.128	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	19911	2.126	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1372	1.820	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	16565	2.019	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	13718	1.961	ug/L	98
69) Naphthalene	15.38	128	25296	1.786	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12321	1.960	ug/L	98

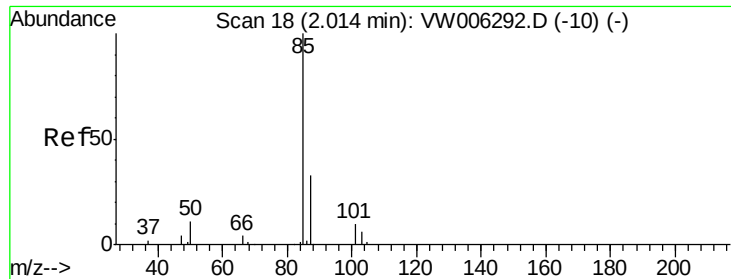
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.986 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

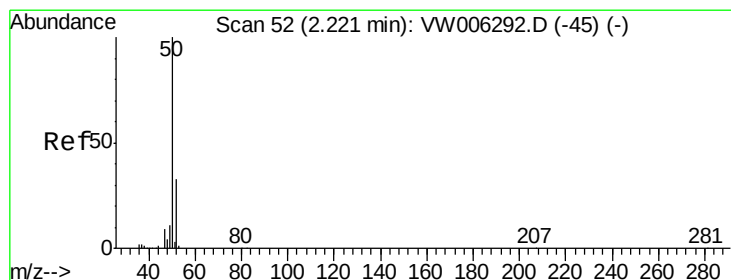
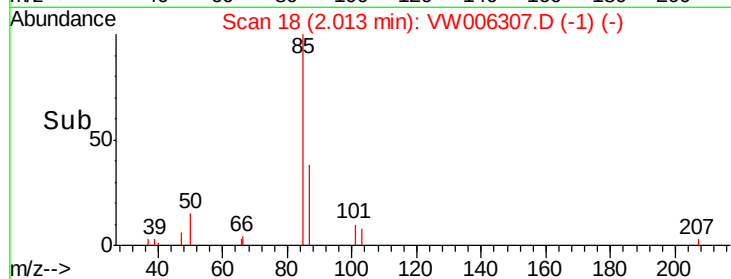
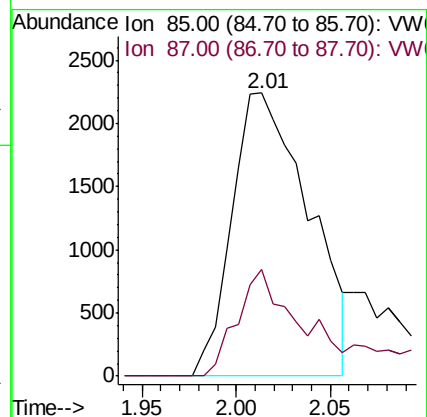
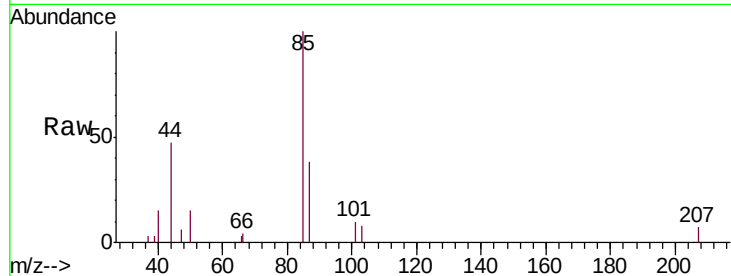
MDL 2 PPB

Tgt Ion: 85 Resp: 6343

Ion Ratio Lower Upper

85 100

87 24.8 19.2 35.6



#3

Chloromethane

Concen: 2.483 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006307.D

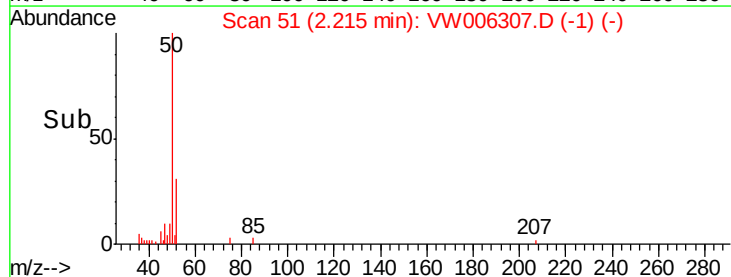
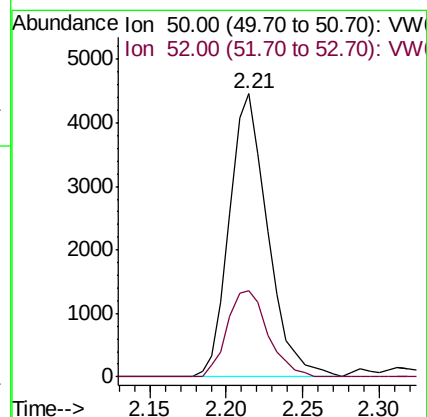
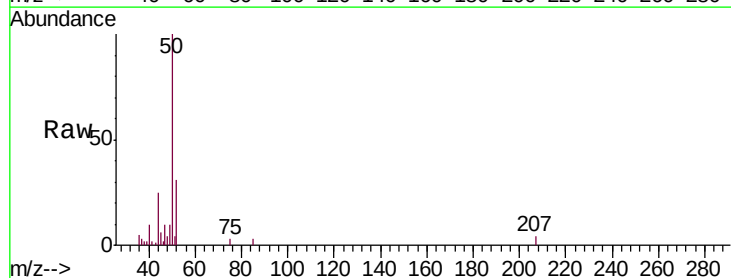
Acq: 23 Oct 2018 20:42

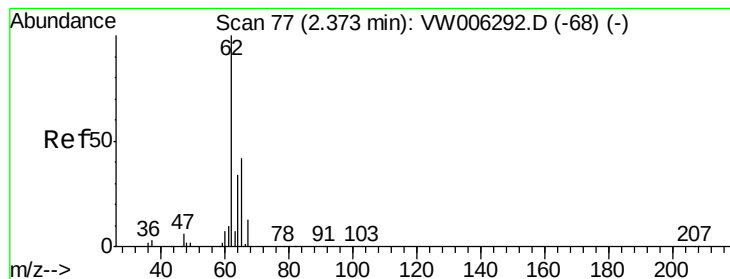
Tgt Ion: 50 Resp: 7789

Ion Ratio Lower Upper

50 100

52 30.6 22.3 41.3





#5

Vinyl chloride

Concen: 2.127 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

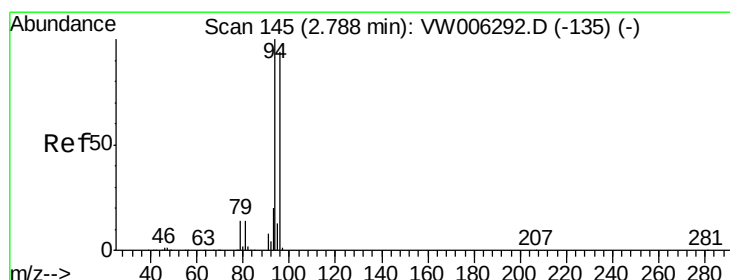
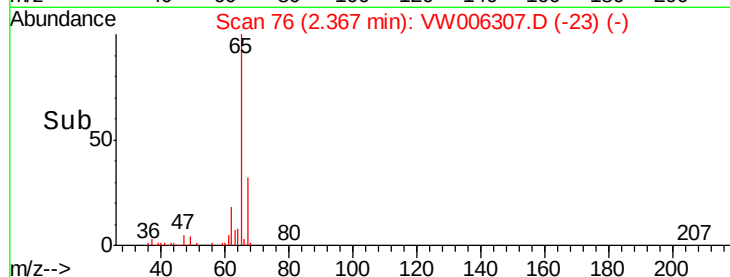
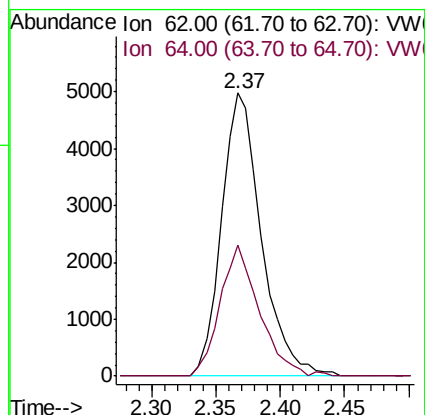
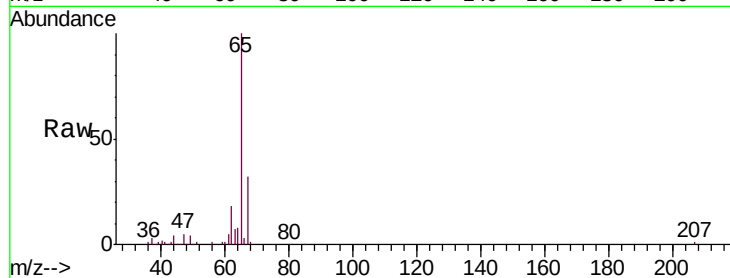
MDL 2 PPB

Tgt Ion: 62 Resp: 10756

Ion Ratio Lower Upper

62 100

64 46.5 22.7 42.3#



#6

Bromomethane

Concen: 2.071 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006307.D

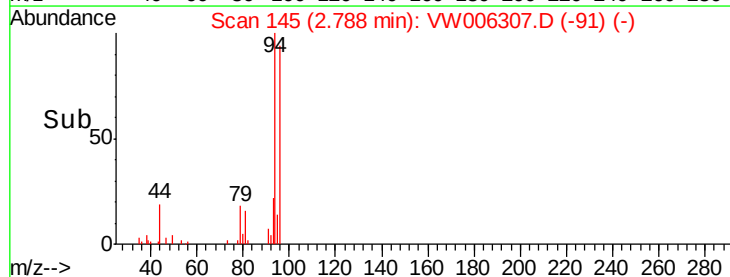
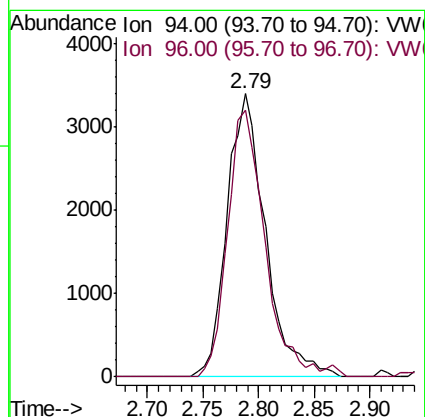
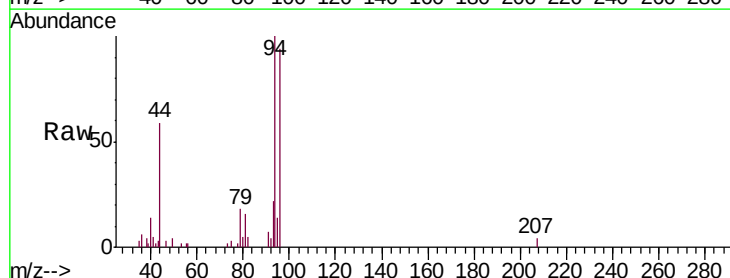
Acq: 23 Oct 2018 20:42

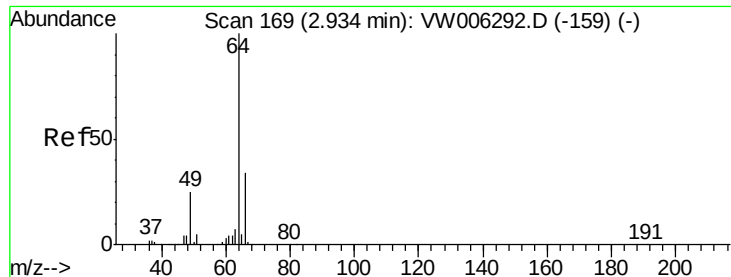
Tgt Ion: 94 Resp: 8153

Ion Ratio Lower Upper

94 100

96 89.7 9.5 181.3





#8

Chloroethane

Concen: 2.140 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

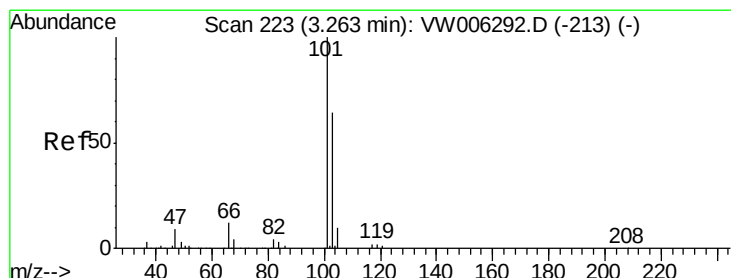
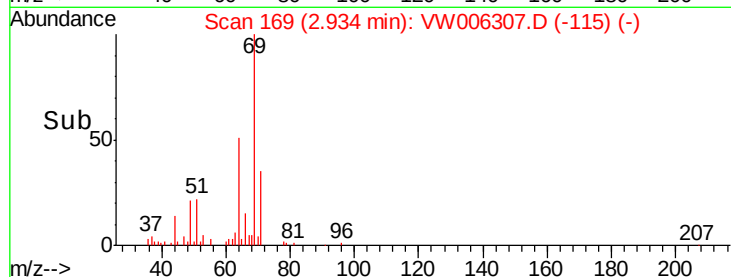
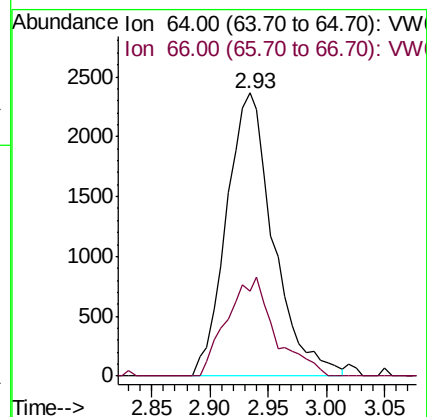
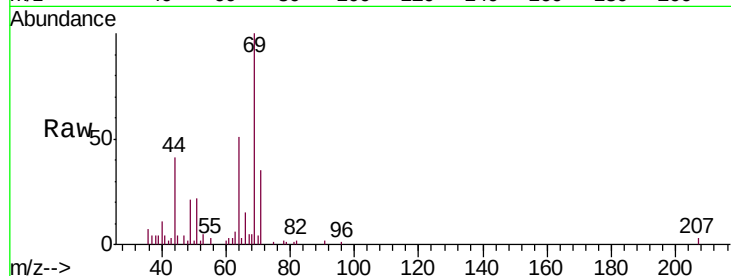
MDL 2 PPB

Tgt Ion: 64 Resp: 6633

Ion Ratio Lower Upper

64 100

66 29.9 22.7 42.1



#9

Trichlorofluoromethane

Concen: 2.071 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW006307.D

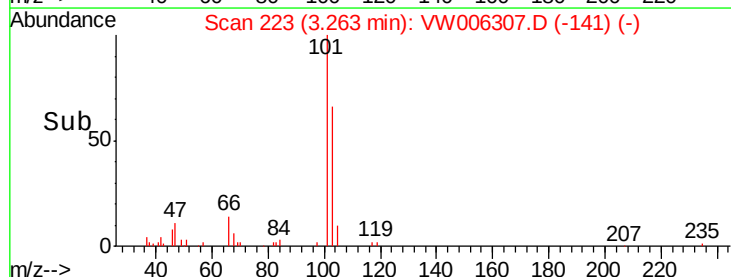
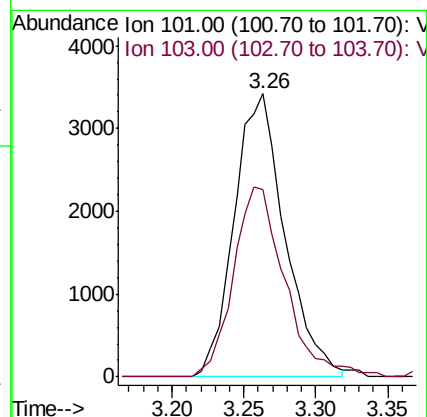
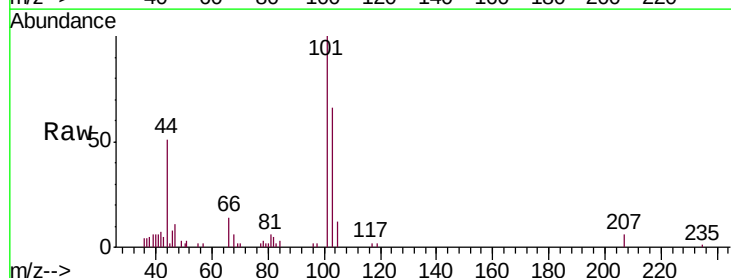
Acq: 23 Oct 2018 20:42

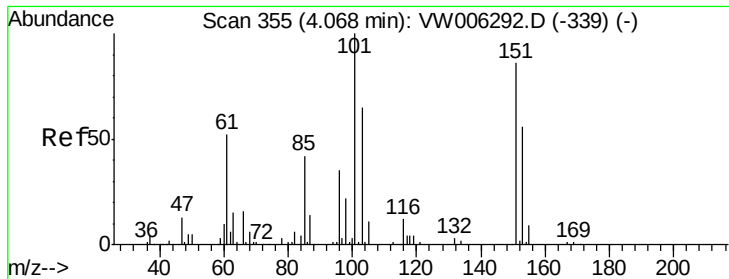
Tgt Ion: 101 Resp: 8377

Ion Ratio Lower Upper

101 100

103 68.0 45.6 84.6





#11

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

Concen: 2.291 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006307.D

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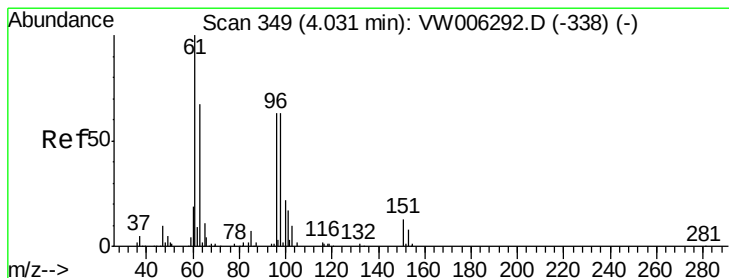
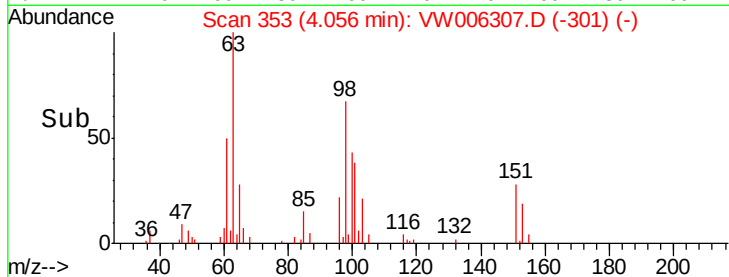
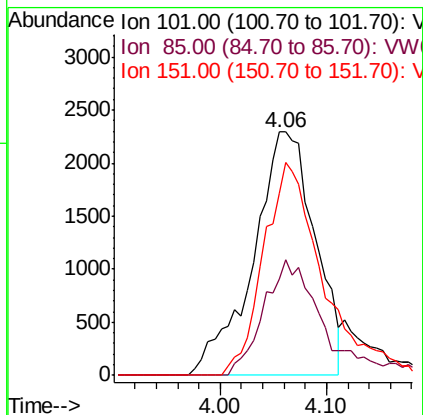
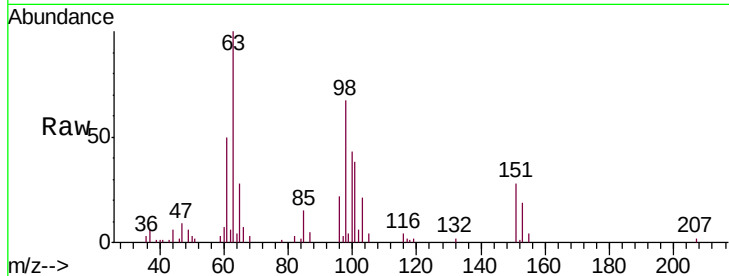
Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion:	101	Resp:	9267
Ion	Ratio	Lower	Upper
101	100		
85	38.3	33.4	50.2
151	83.6	68.7	103.1



#12

1,1-Dichloroethene

Concen: 2.198 ug/L

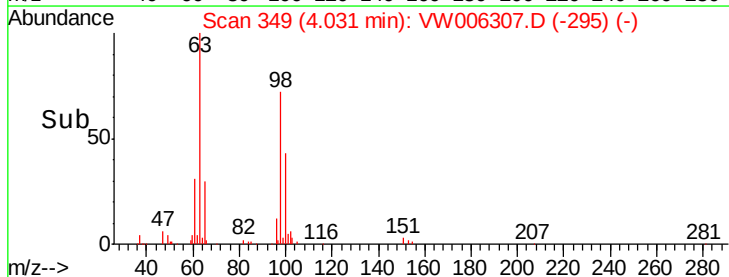
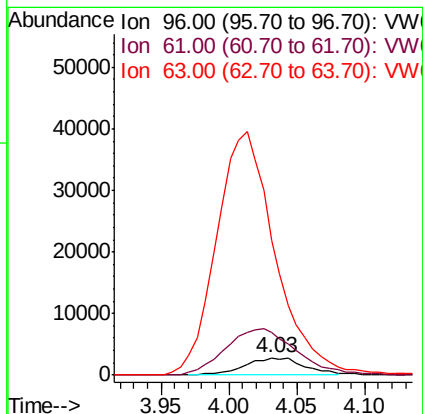
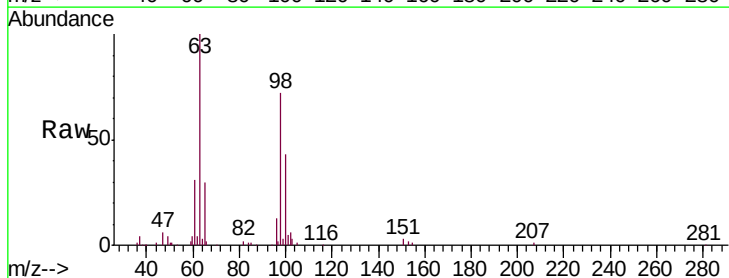
RT: 4.03 min Scan# 349

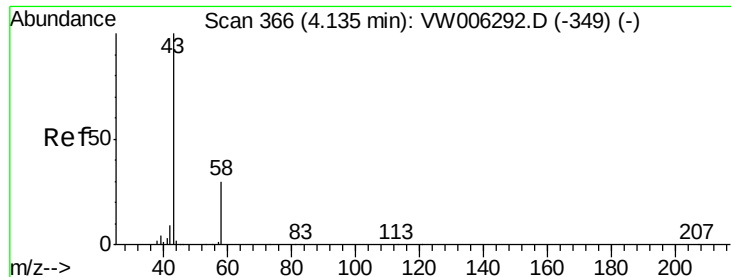
Delta R.T. -0.00 min

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Tgt Ion:	96	Resp:	8530
Ion	Ratio	Lower	Upper
96	100		
61	242.1	112.3	208.7#
63	772.9	102.6	190.6#

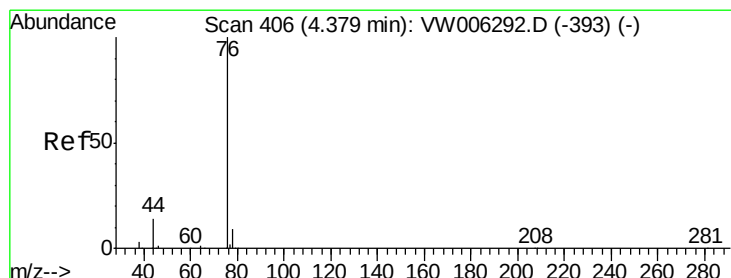
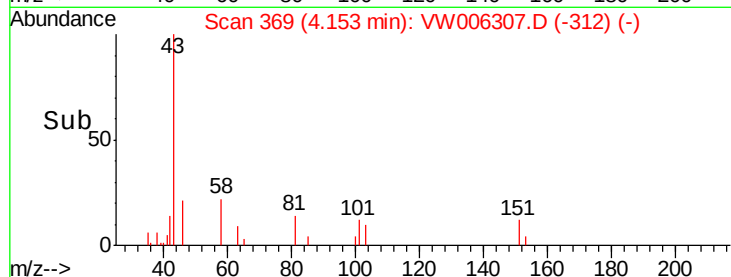
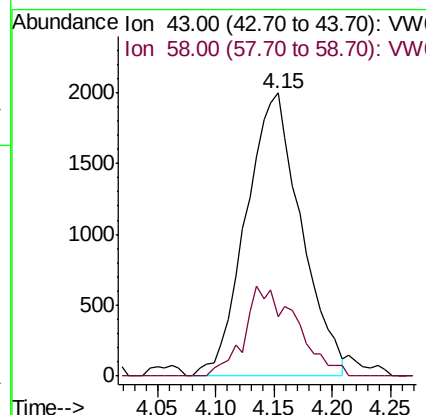
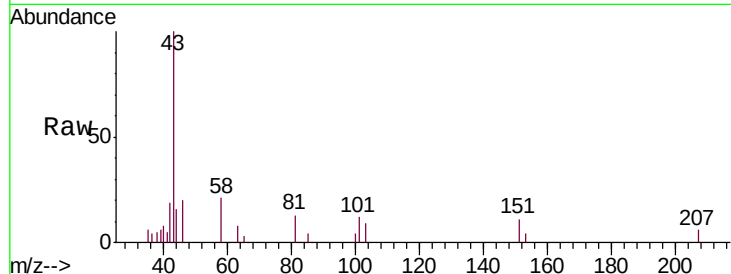




#13
Acetone
Concen: 5.154 ug/L
RT: 4.15 min Scan# 369
Delta R.T. 0.02 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

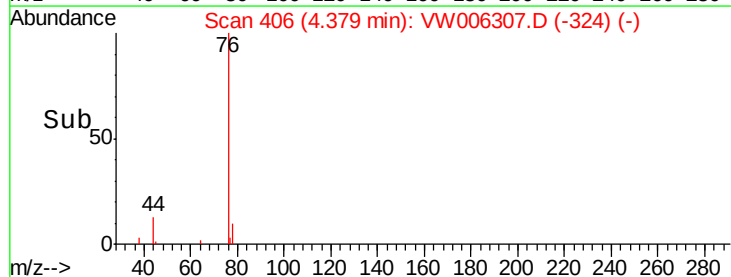
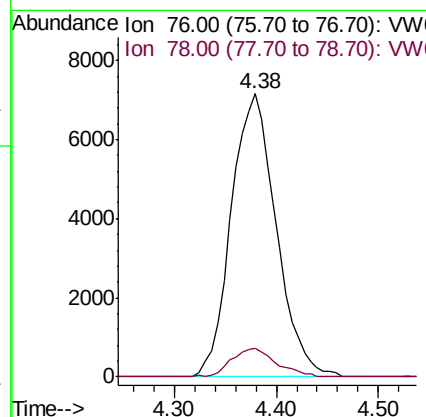
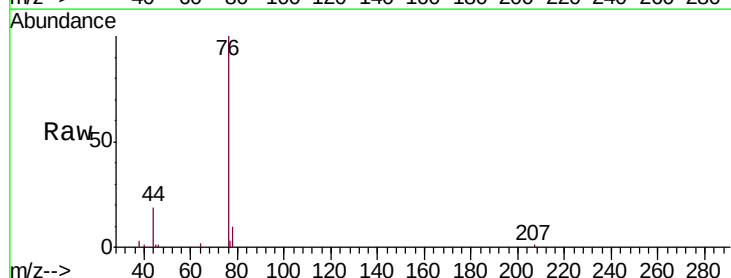
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

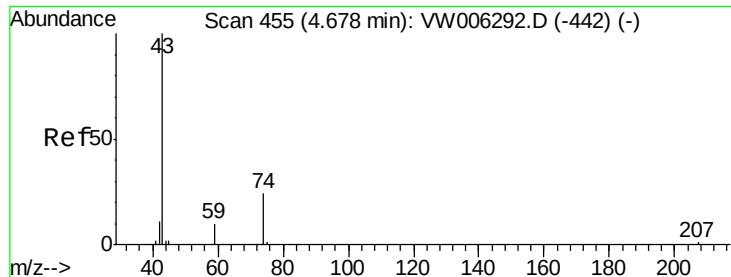
Tgt Ion: 43 Resp: 6579
Ion Ratio Lower Upper
43 100
58 8.6 0.0 61.2



#14
Carbon disulfide
Concen: 1.726 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 76 Resp: 21900
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4

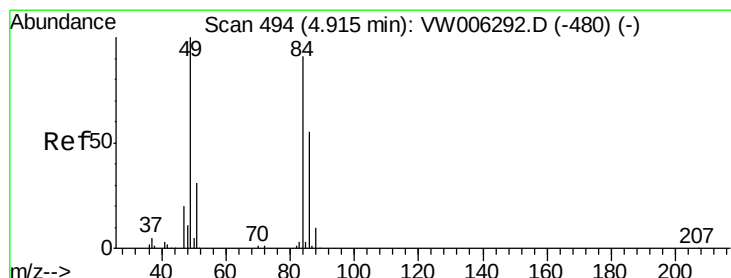
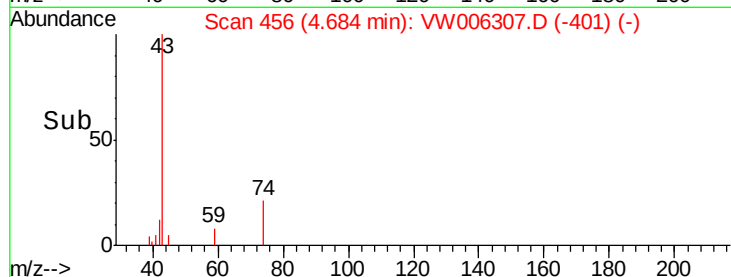
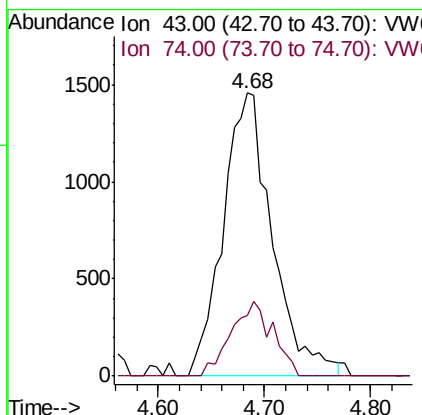
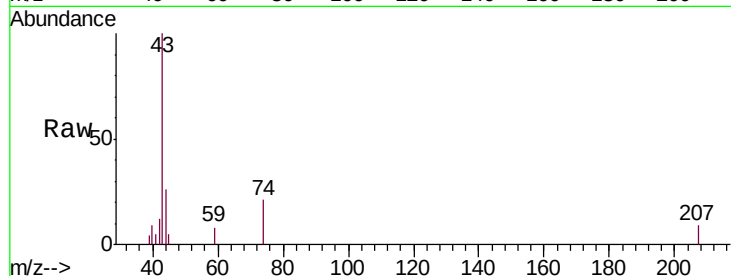




#15
Methyl Acetate
Concen: 2.275 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

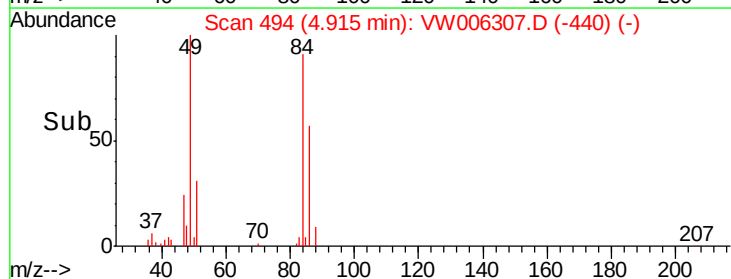
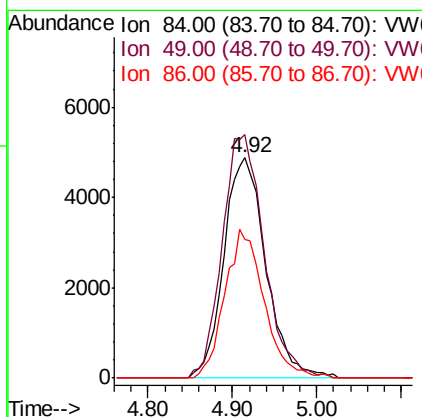
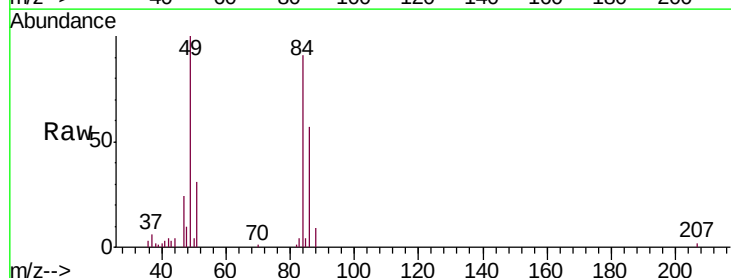
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

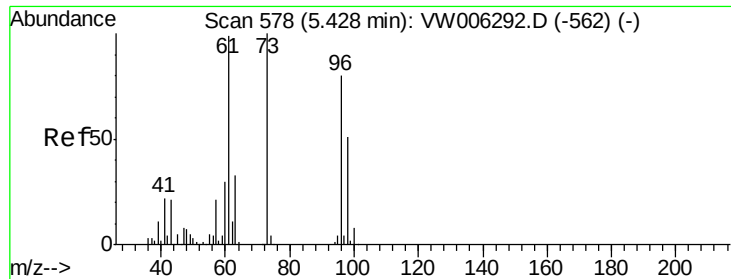
Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
74 22.5 19.4 29.2



#16
Methylene chloride
Concen: 3.794 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 84 Resp: 16556
Ion Ratio Lower Upper
84 100
49 110.4 83.5 155.1
86 63.0 44.9 83.5

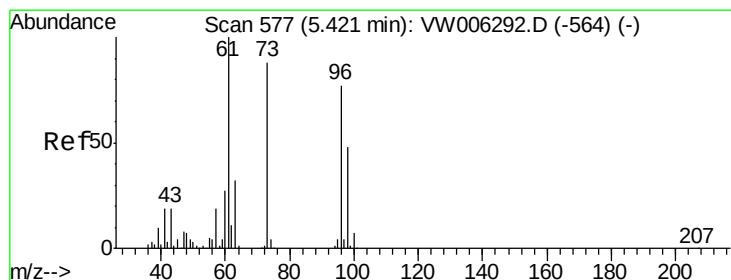
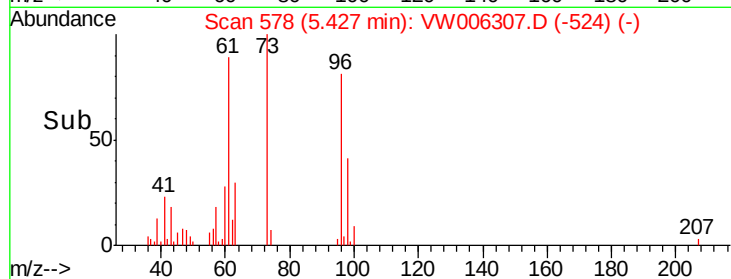
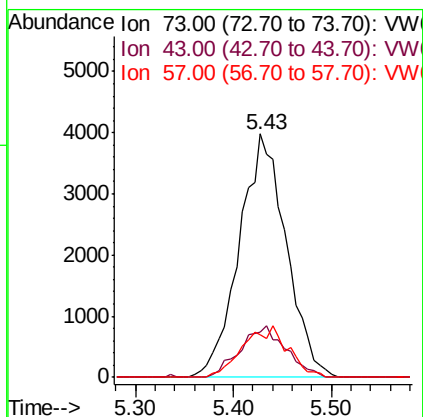
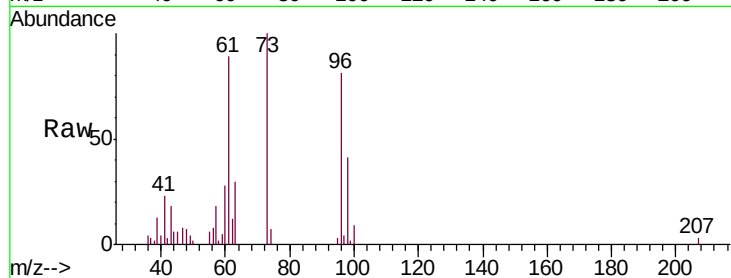




#17
Methyl tert-butyl Ether
Concen: 2.093 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

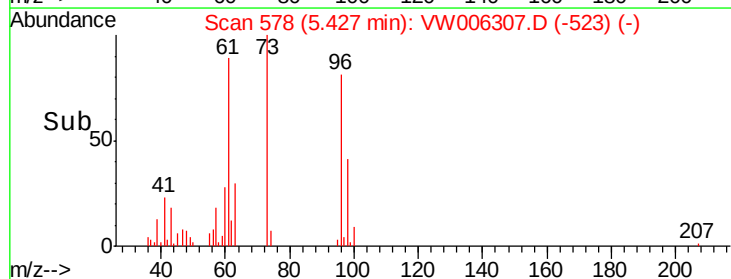
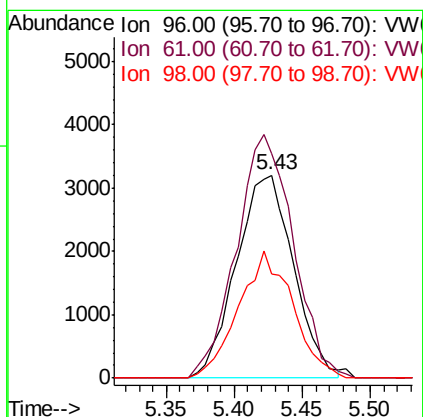
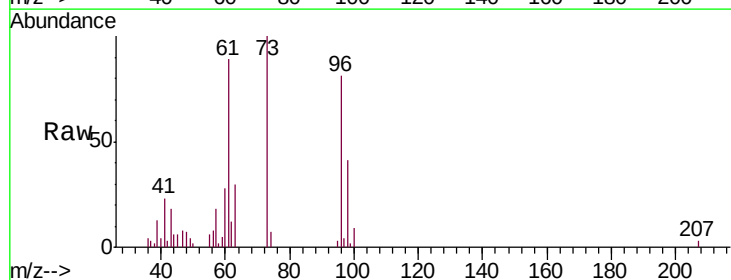
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

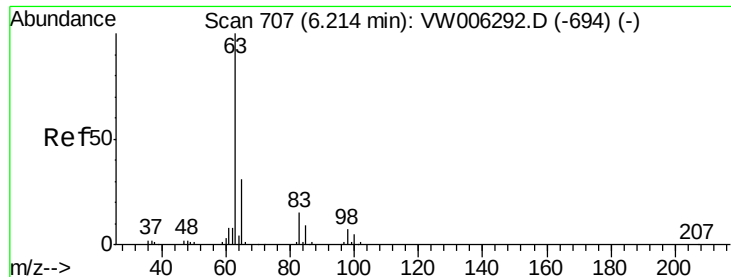
Tgt Ion: 73 Resp: 13223
Ion Ratio Lower Upper
73 100
43 12.3 17.0 25.4#
57 8.9 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 2.197 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 96 Resp: 9440
Ion Ratio Lower Upper
96 100
61 110.6 89.0 165.2
98 51.5 42.4 78.6

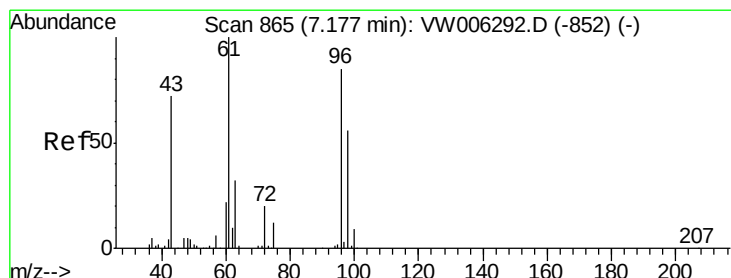
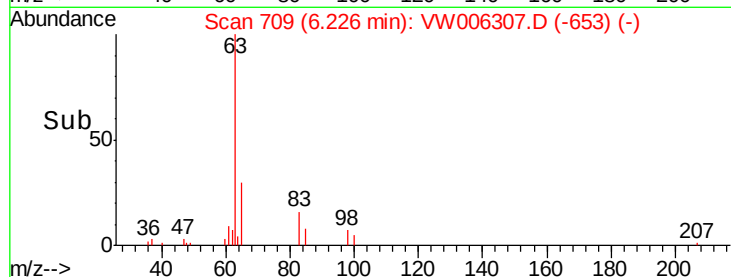
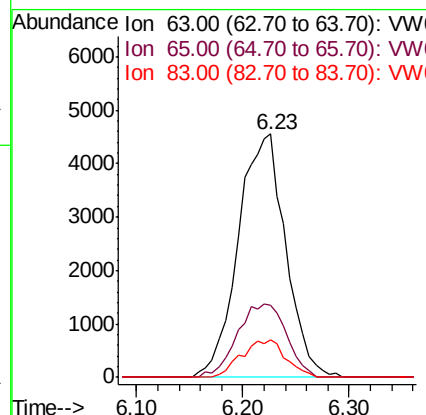
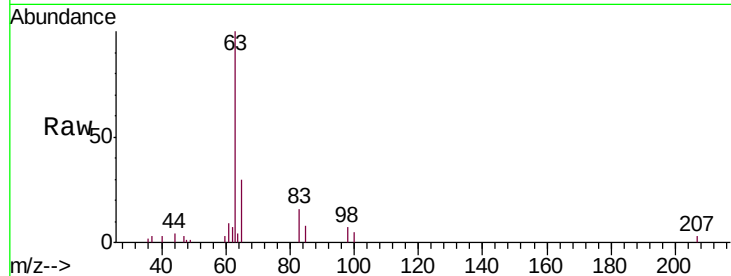




#19
 1,1-Dichloroethane
 Concen: 2.037 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

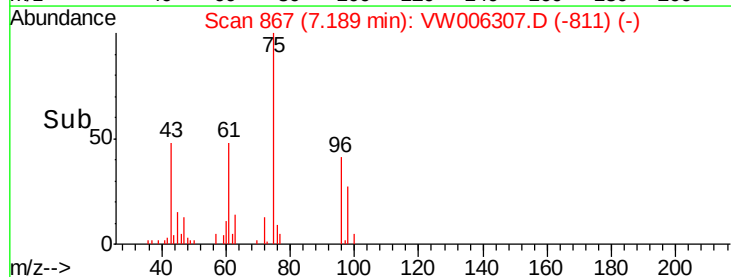
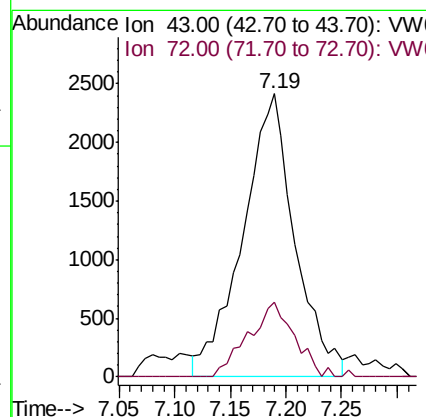
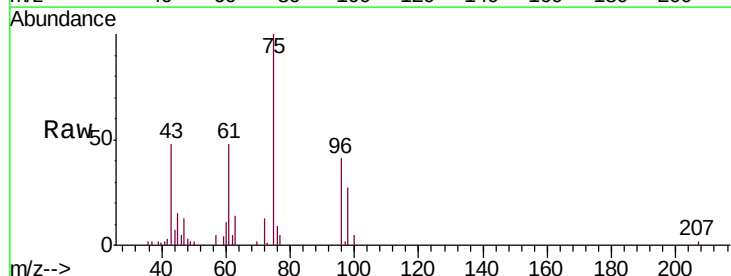
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

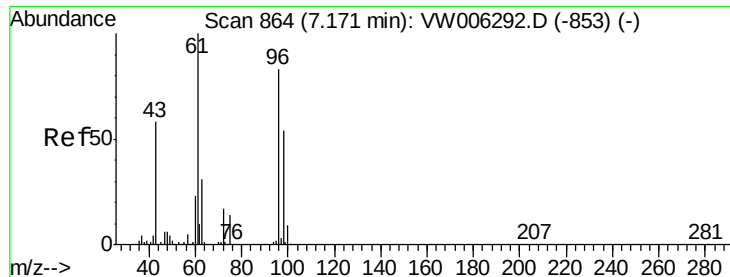
Tgt Ion: 63 Resp: 14159
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.3 41.5
 83 15.6 9.7 18.1



#21
 2-Butanone
 Concen: 4.645 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion: 43 Resp: 7878
 Ion Ratio Lower Upper
 43 100
 72 16.2 13.8 41.4



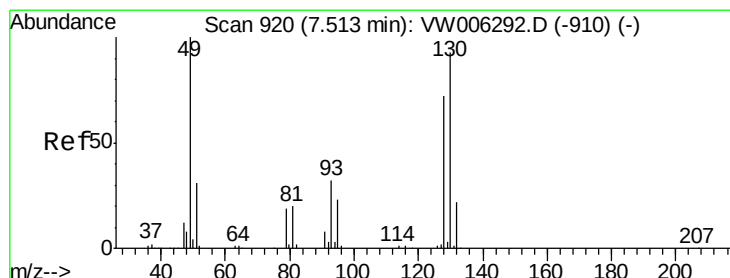
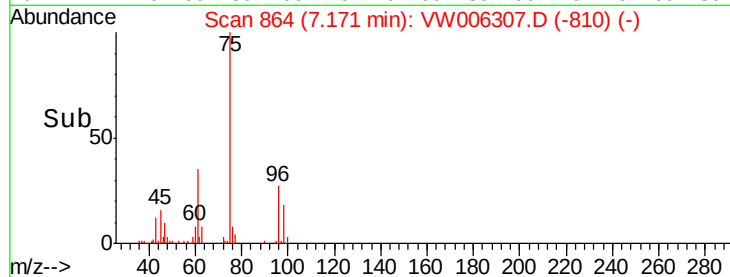
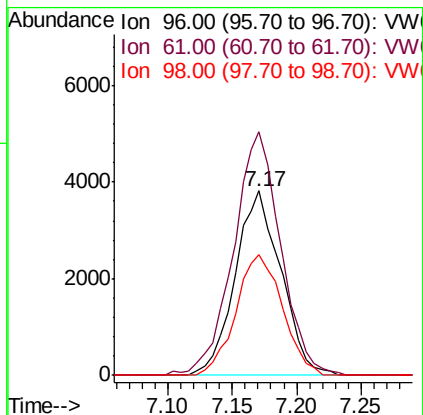
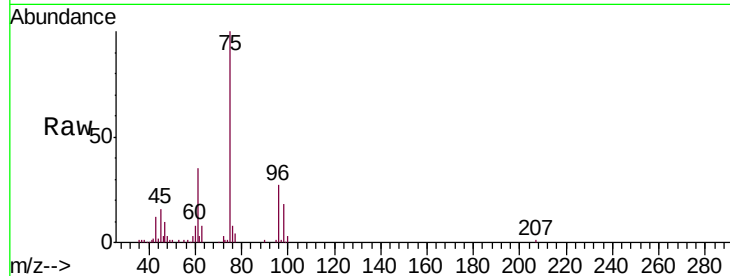


#22

cis-1,2-Dichloroethene
 Concen: 2.008 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

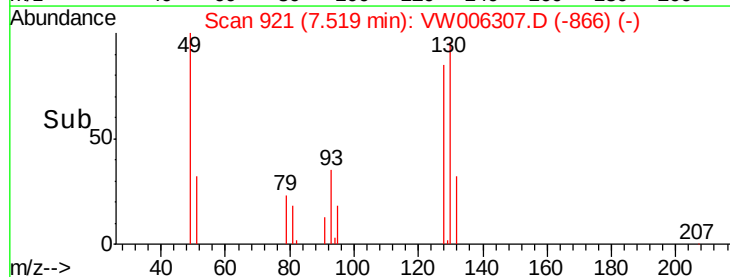
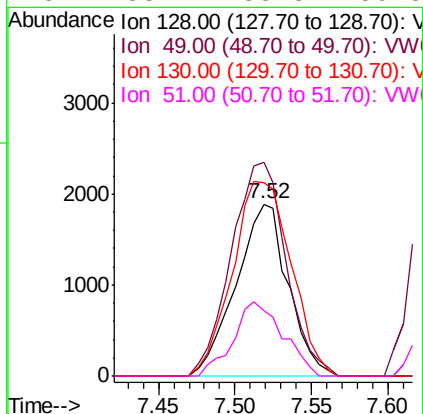
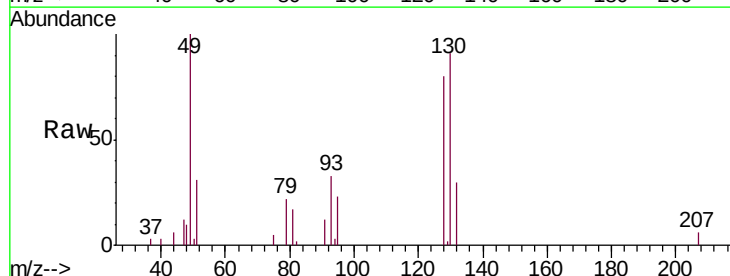
Tgt Ion: 96 Resp: 9410
 Ion Ratio Lower Upper
 96 100
 61 131.8 85.1 158.1
 98 65.7 46.3 86.1

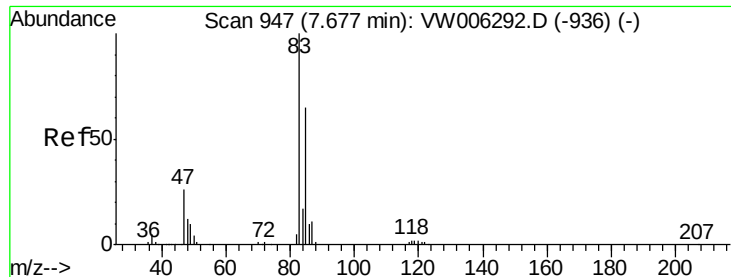


#23

Bromochloromethane
 Concen: 2.024 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion: 128 Resp: 4461
 Ion Ratio Lower Upper
 128 100
 49 124.4 95.2 176.8
 130 112.9 86.3 160.3
 51 38.2 33.8 50.8

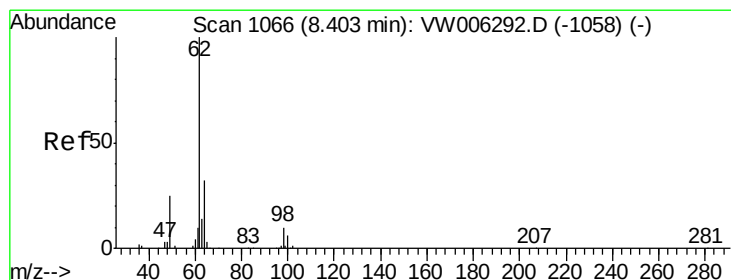
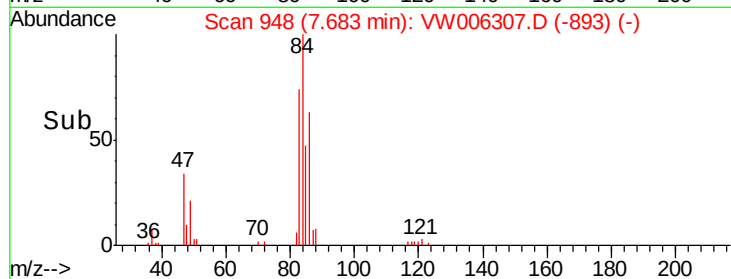
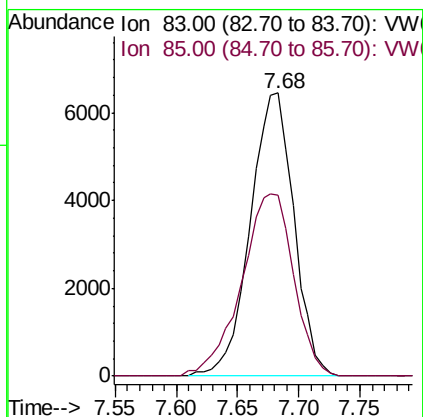
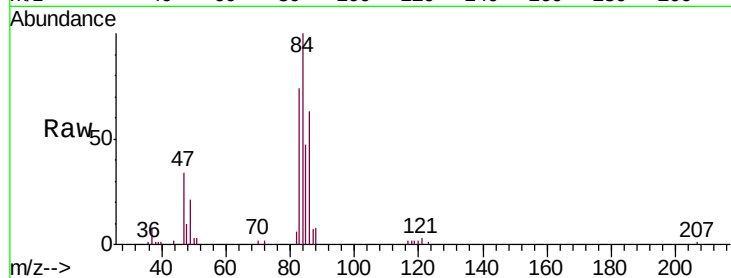




#25
Chloroform
Concen: 2.146 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

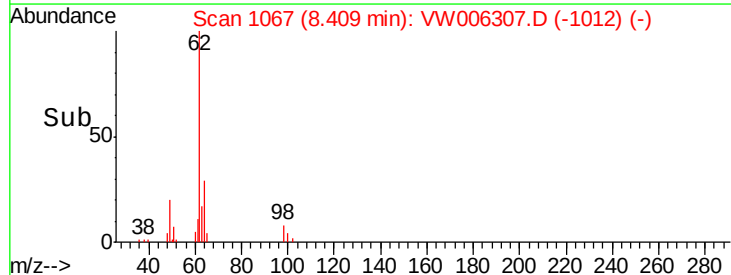
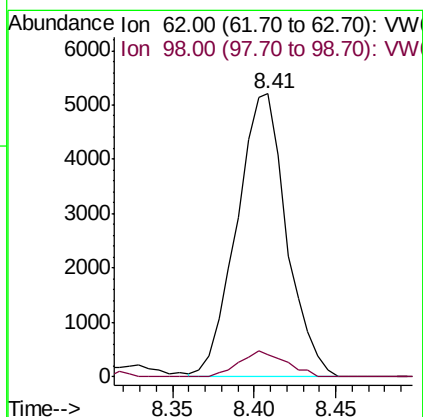
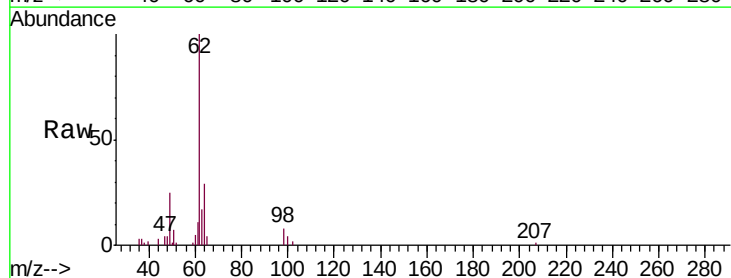
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

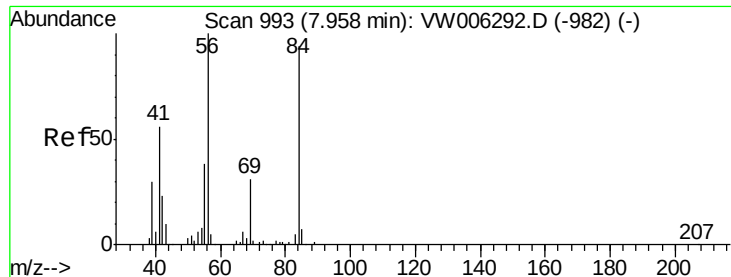
Tgt Ion: 83 Resp: 16062
Ion Ratio Lower Upper
83 100
85 76.6 46.3 85.9



#27
1,2-Dichloroethane
Concen: 2.173 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 62 Resp: 11086
Ion Ratio Lower Upper
62 100
98 7.8 8.0 12.0#

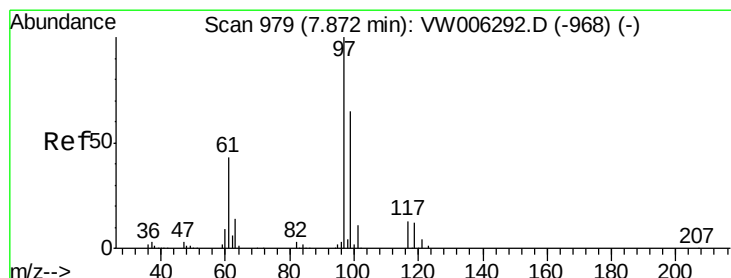
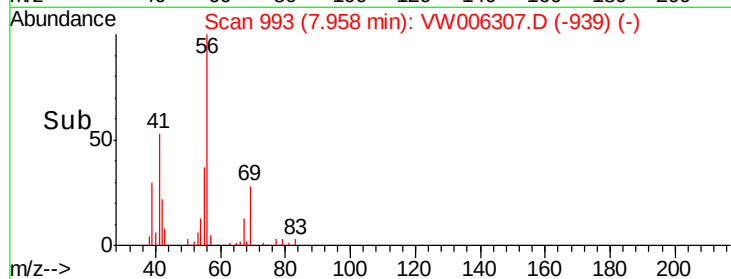
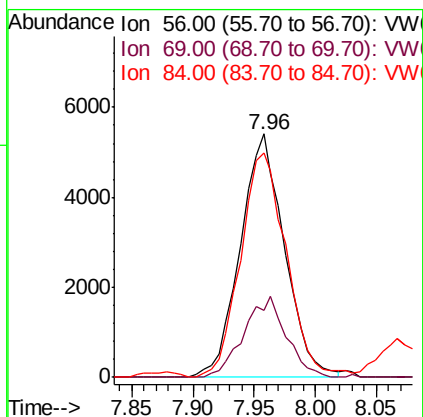
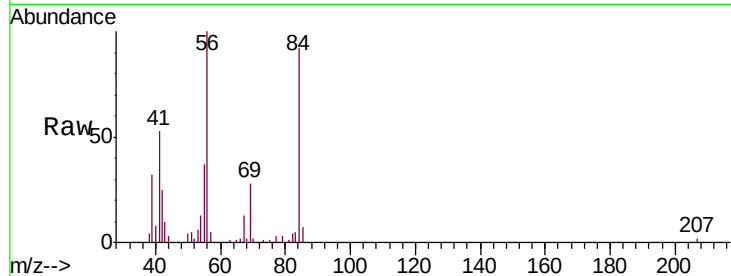




#30
Cyclohexane
Concen: 1.971 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

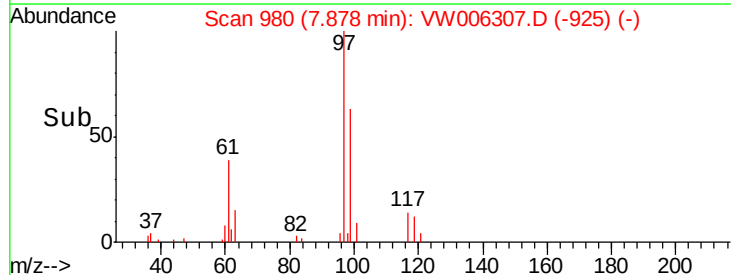
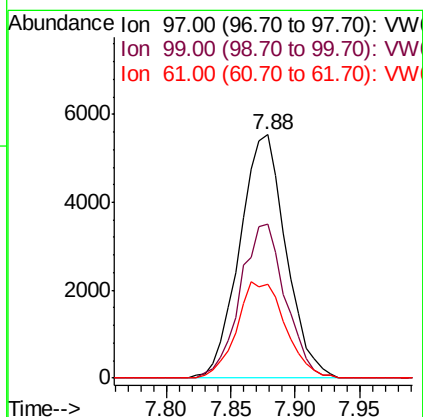
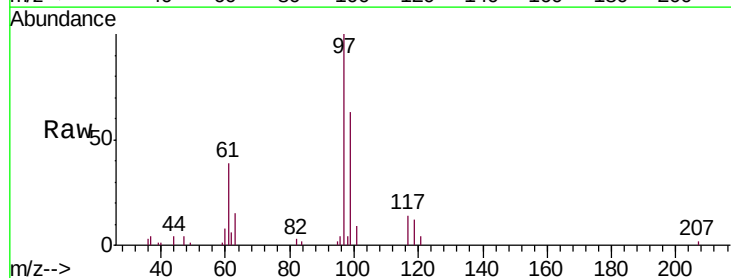
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

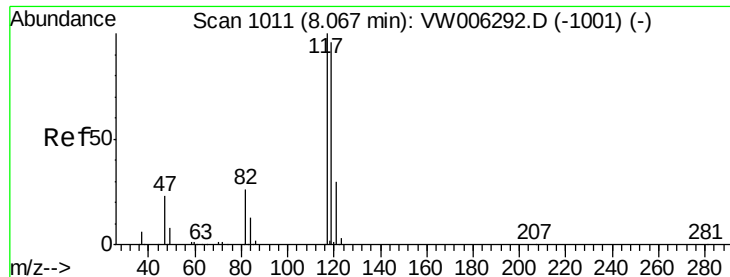
Tgt Ion: 56 Resp: 13602
Ion Ratio Lower Upper
56 100
69 31.8 25.4 38.0
84 95.1 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 2.102 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 97 Resp: 13816
Ion Ratio Lower Upper
97 100
99 61.5 51.0 76.4
61 41.5 33.6 50.4





#32

Carbon tetrachloride

Concen: 1.929 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

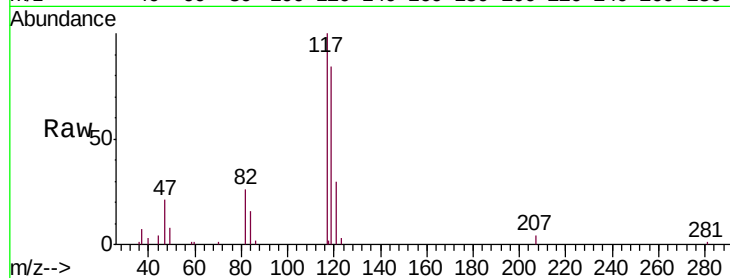
MDL 2 PPB

Tgt Ion:117 Resp: 12434

Ion Ratio Lower Upper

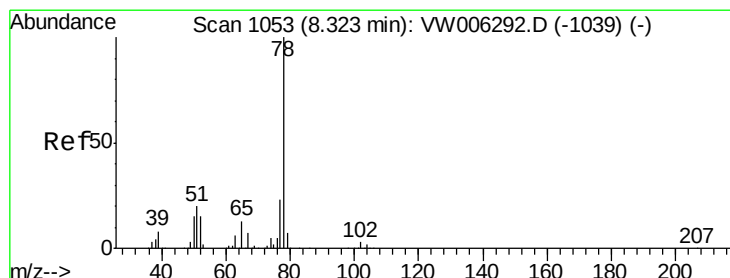
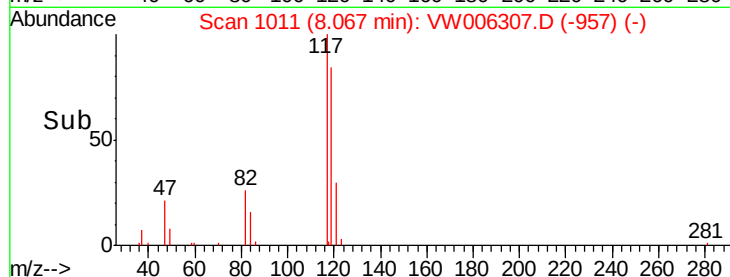
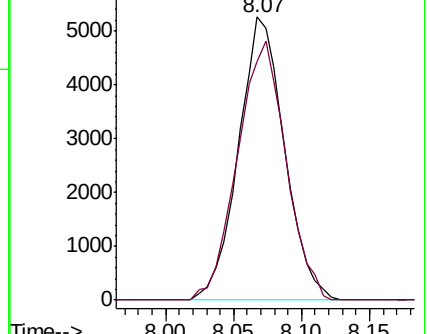
117 100

119 96.2 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.226 ug/L

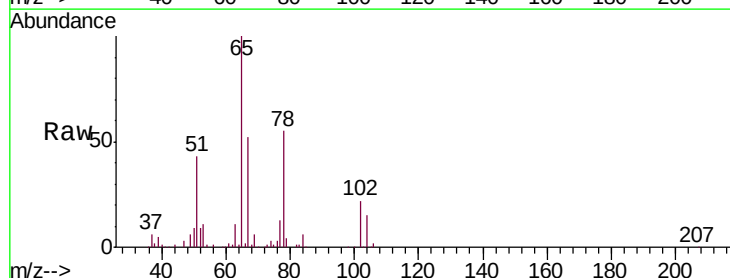
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

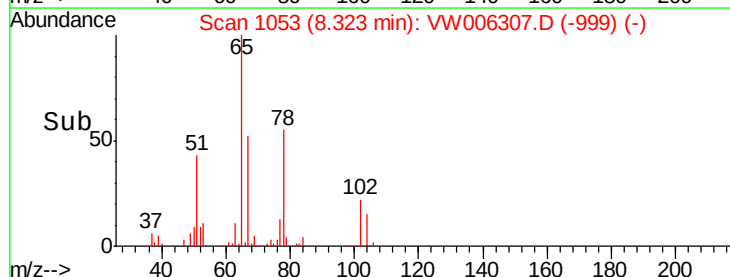
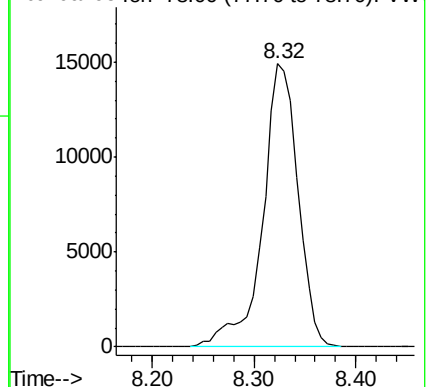
Lab File: VW006307.D

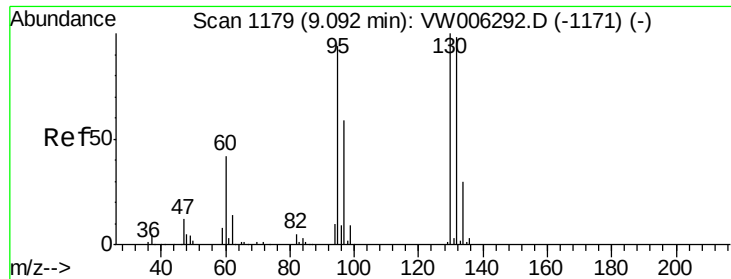
Acq: 23 Oct 2018 20:42

Tgt Ion: 78 Resp: 35881



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.053 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 95 Resp: 9311

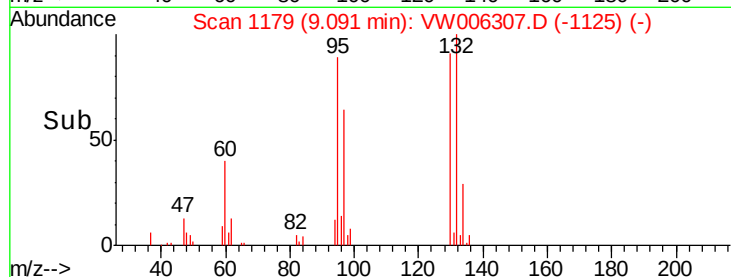
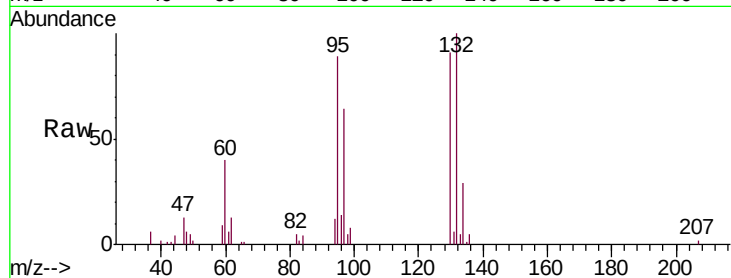
Ion Ratio Lower Upper

95 100

97 68.9 45.8 85.0

132 108.5 72.9 135.3

130 107.1 75.8 140.8

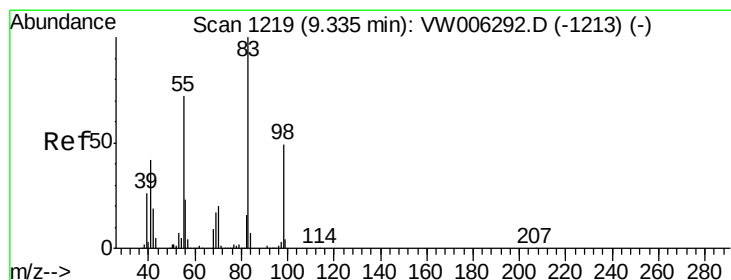
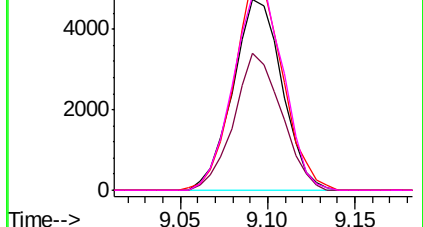


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 1.971 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

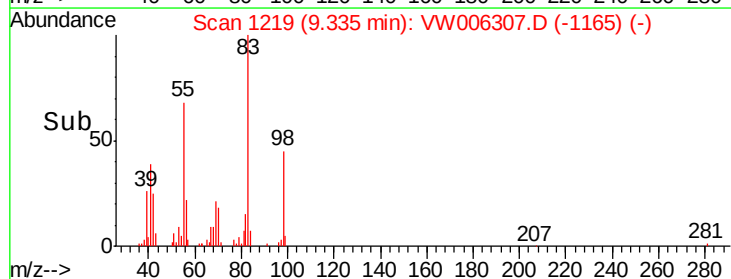
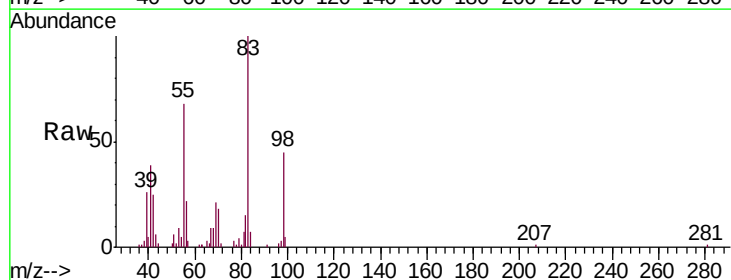
Tgt Ion: 83 Resp: 16383

Ion Ratio Lower Upper

83 100

55 73.7 57.1 85.7

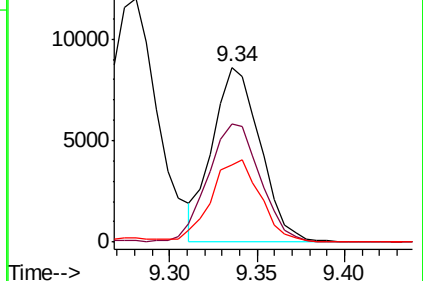
98 48.7 38.9 58.3

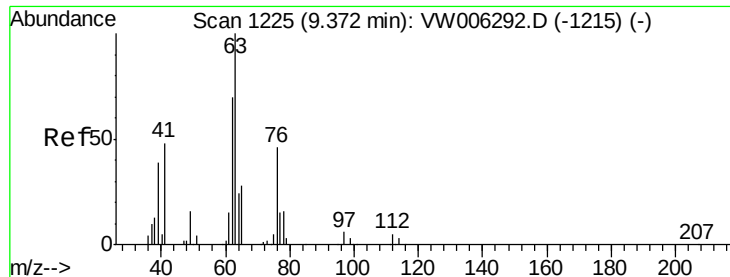


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 1.976 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

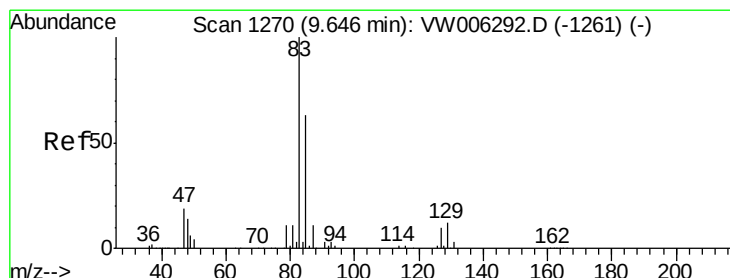
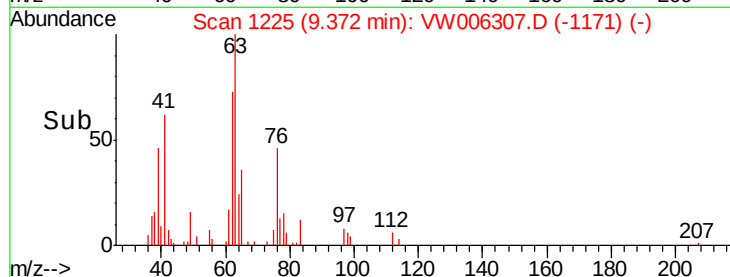
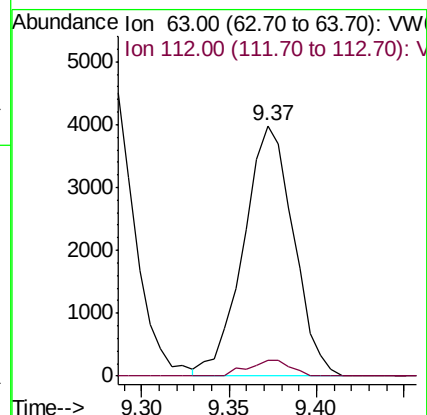
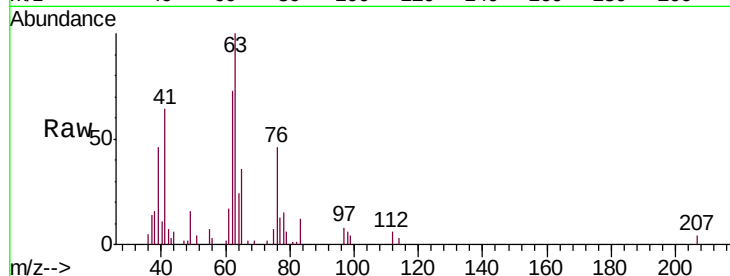
MDL 2 PPB

Tgt Ion: 63 Resp: 7904

Ion Ratio Lower Upper

63 100

112 5.4 3.5 5.3#



#41

Bromodichloromethane

Concen: 1.747 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

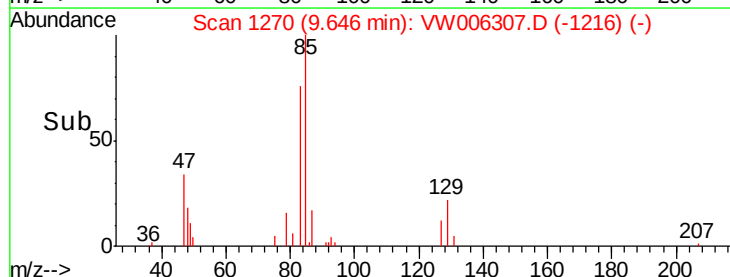
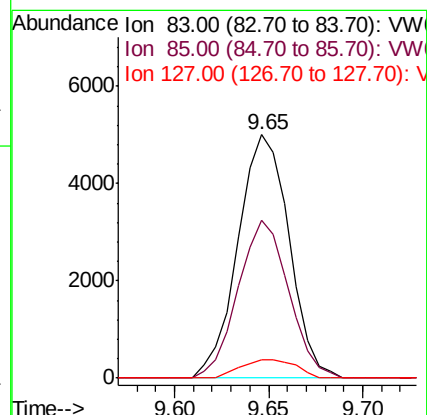
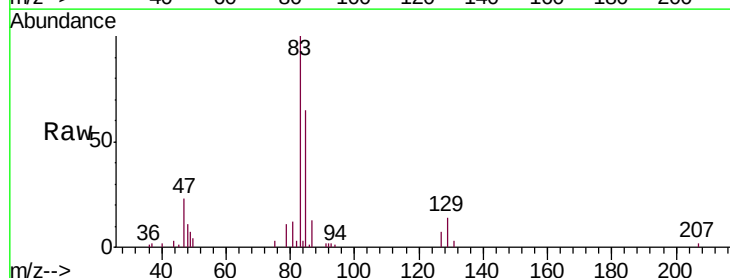
Tgt Ion: 83 Resp: 9436

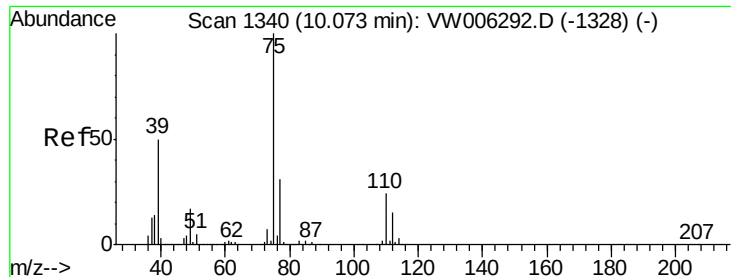
Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5

127 7.4 7.4 11.2#





#42

cis-1,3-Dichloropropene

Concen: 1.779 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampled :

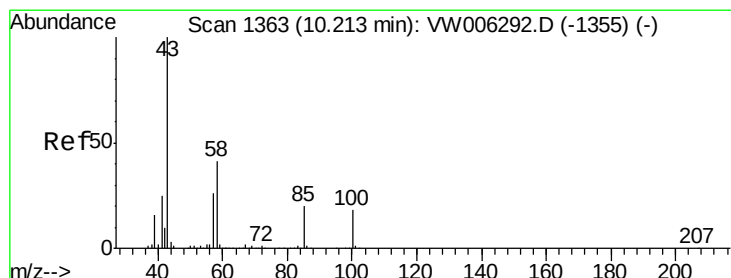
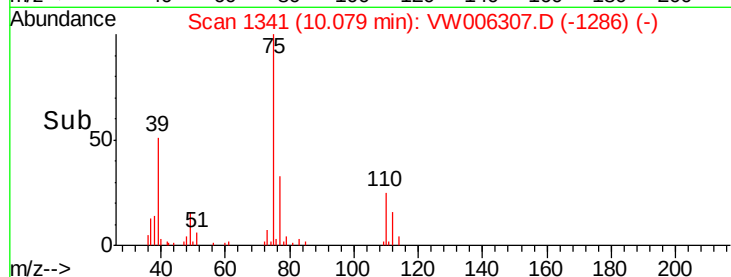
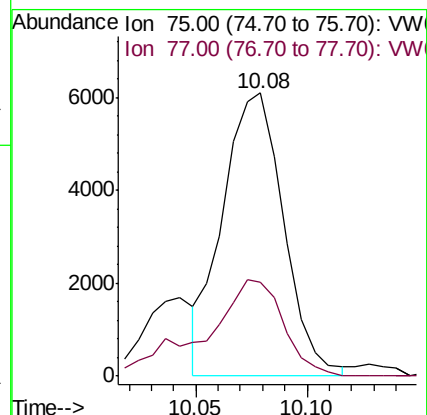
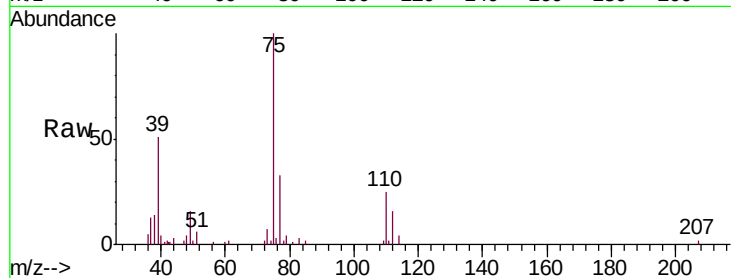
MDL 2 PPB

Tgt Ion: 75 Resp: 11619

Ion Ratio Lower Upper

75 100

77 33.0 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 3.981 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

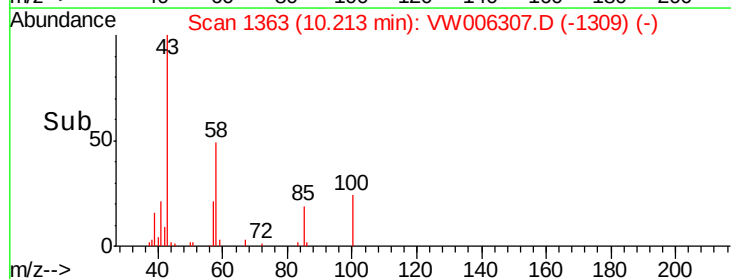
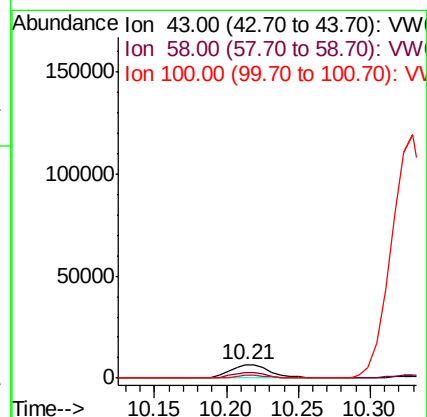
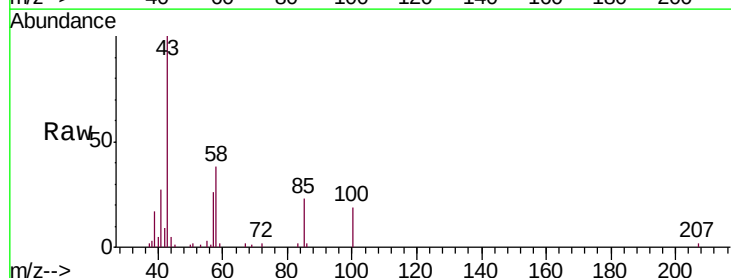
Tgt Ion: 43 Resp: 12758

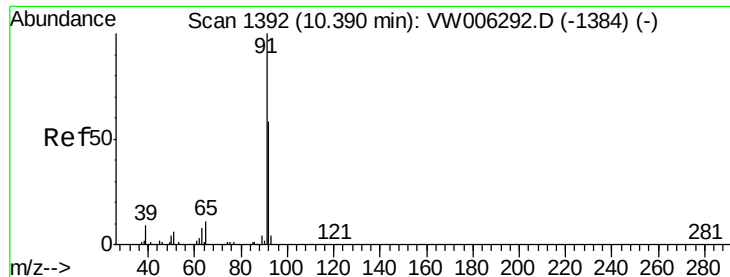
Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.2

100 16.1 13.3 19.9





#44

Toluene

Concen: 2.133 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

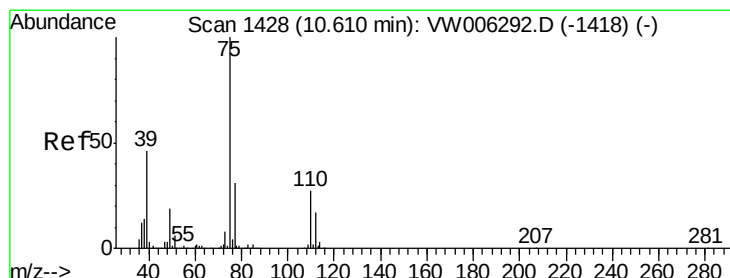
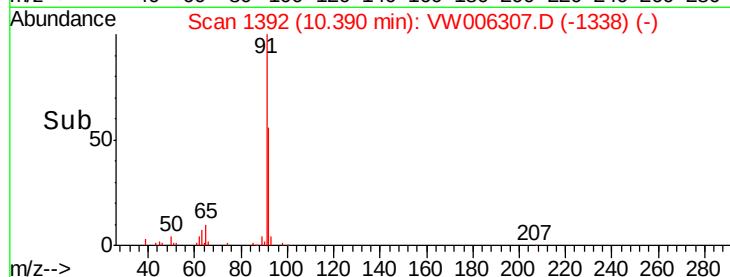
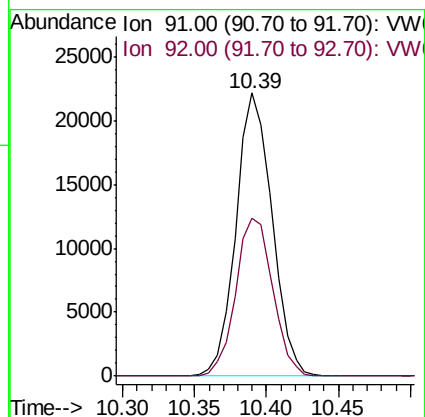
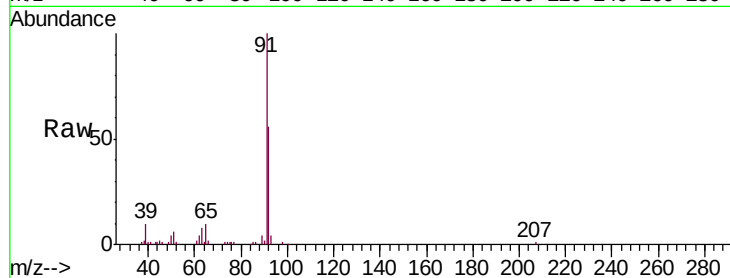
MDL 2 PPB

Tgt Ion: 91 Resp: 38620

Ion Ratio Lower Upper

91 100

92 55.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 2.011 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006307.D

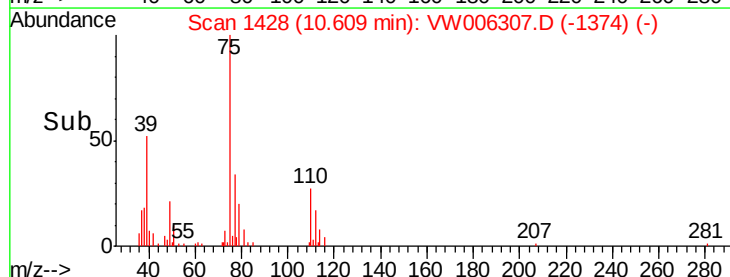
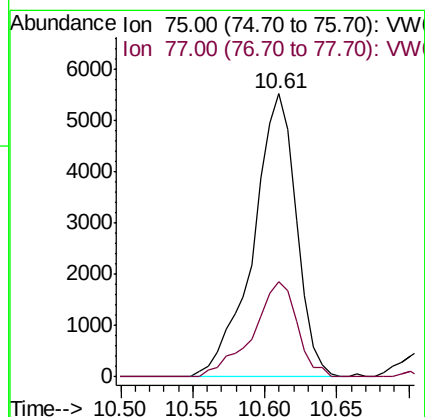
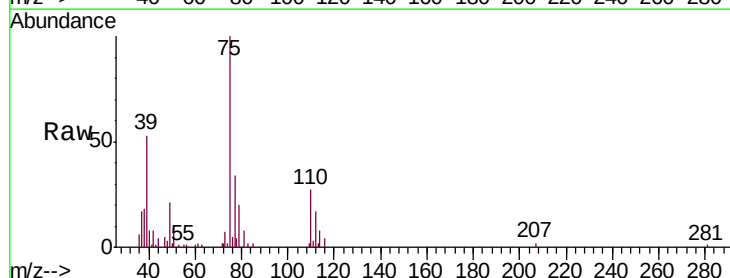
Acq: 23 Oct 2018 20:42

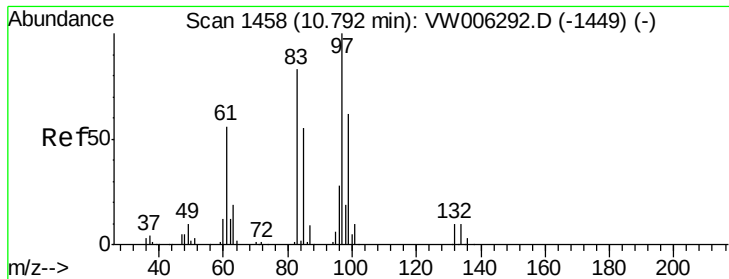
Tgt Ion: 75 Resp: 11474

Ion Ratio Lower Upper

75 100

77 33.7 22.4 41.6

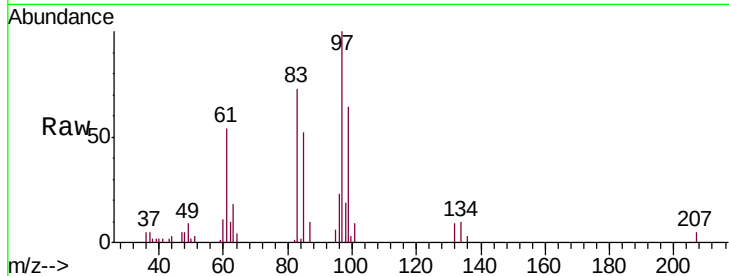




#46
 1,1,2-Trichloroethane
 Concen: 2.158 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:	97	Resp:	7188
Ion	Ratio	Lower	Upper
97	100		
83	72.8	60.0	111.4
85	52.3	38.7	71.9
99	63.8	44.3	82.3



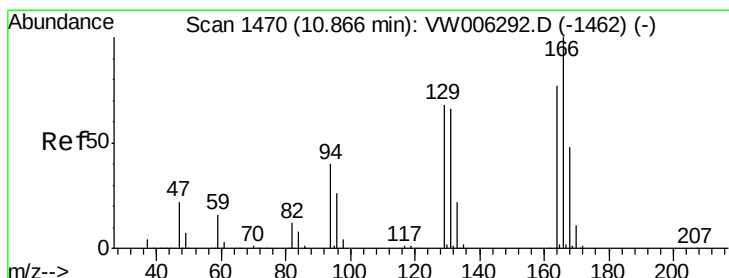
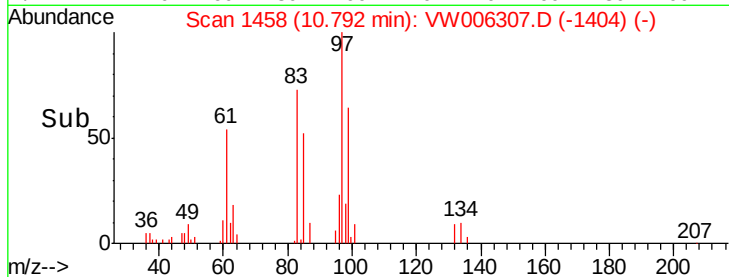
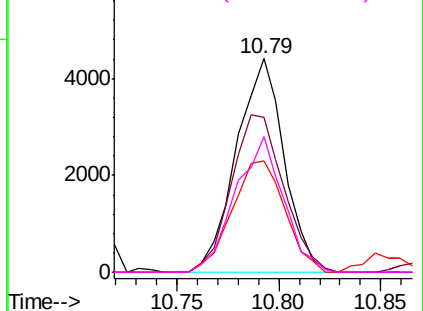
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

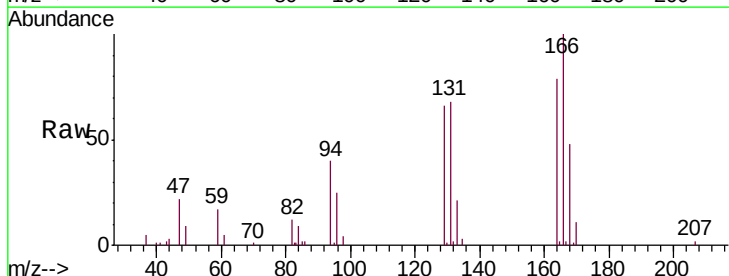
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 2.176 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion:	164	Resp:	9139
Ion	Ratio	Lower	Upper
164	100		
129	84.0	65.4	121.4
131	85.8	63.8	118.4
166	126.6	92.3	171.3



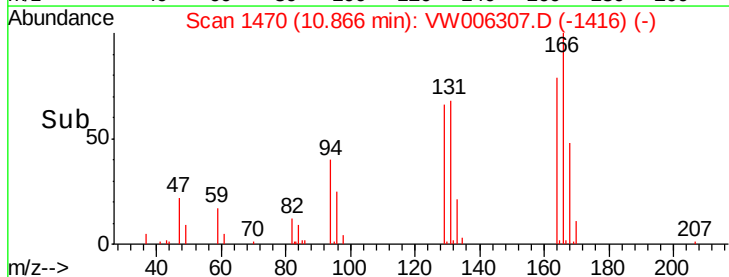
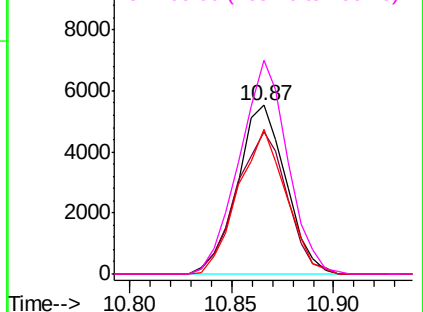
Abundance

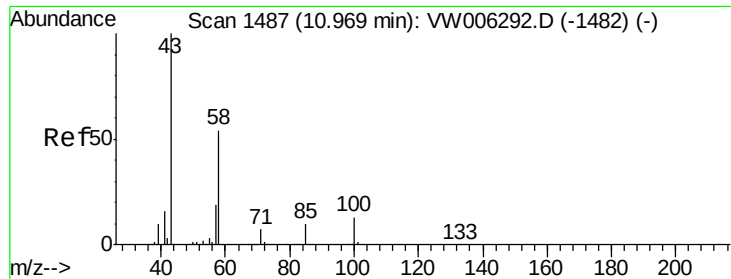
Ion 164.00 (163.70 to 164.70): V

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

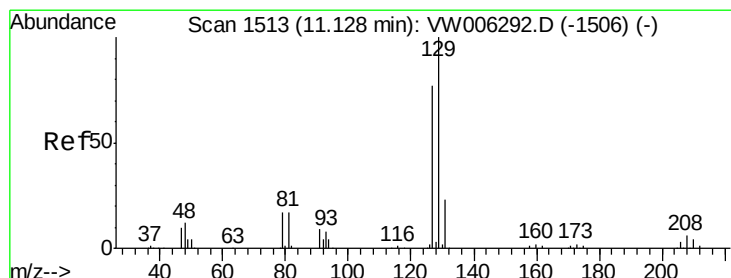
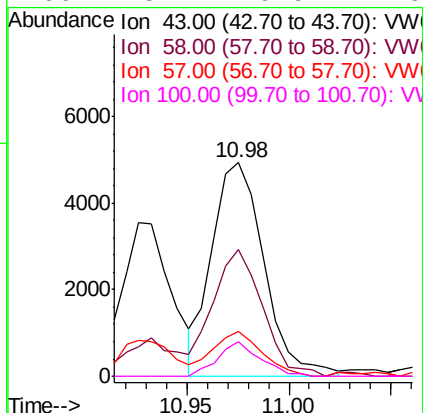
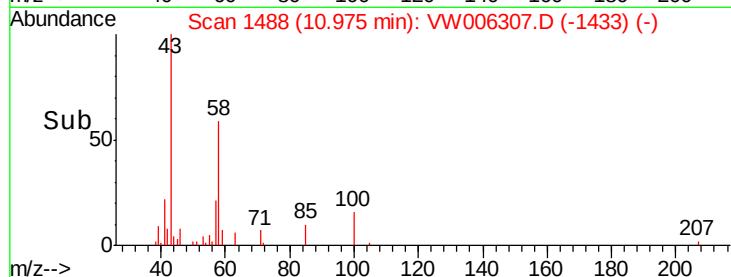
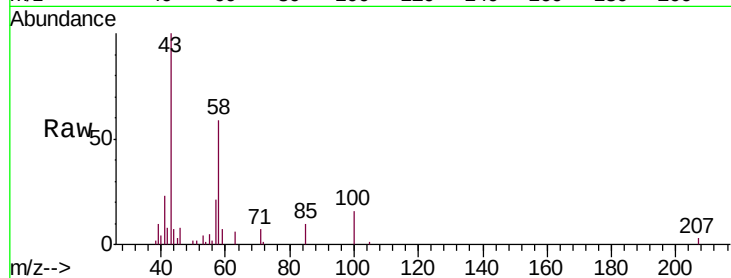




#49
2-Hexanone
Concen: 3.711 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

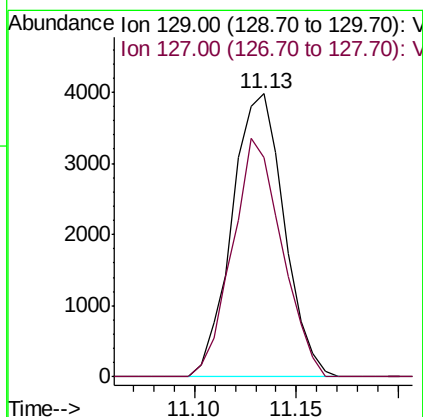
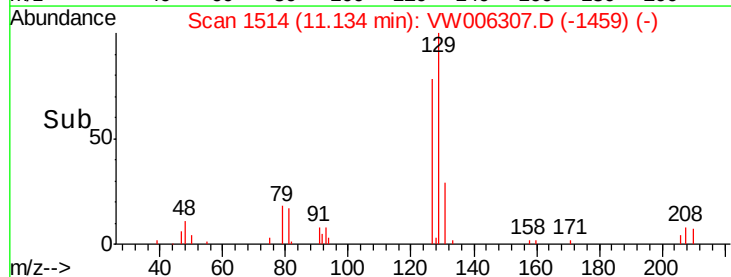
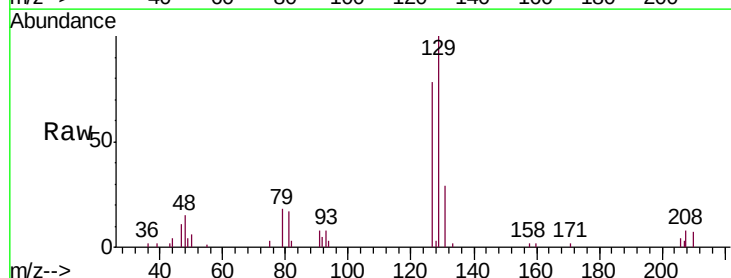
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

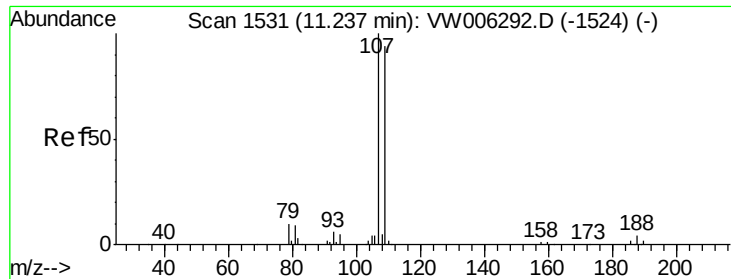
Tgt Ion: 43 Resp: 8765
Ion Ratio Lower Upper
43 100
58 55.4 42.1 63.1
57 19.9 15.1 22.7
100 13.2 9.9 14.9



#50
Dibromochloromethane
Concen: 1.658 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion: 129 Resp: 7076
Ion Ratio Lower Upper
129 100
127 77.6 54.4 101.0

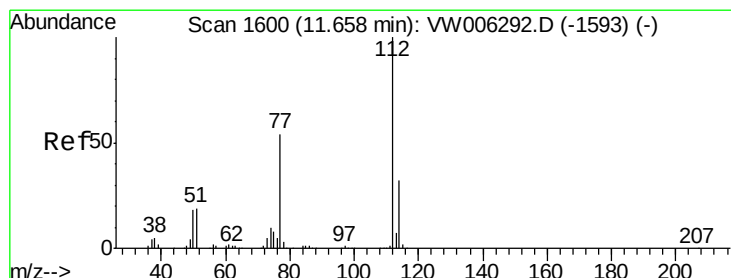
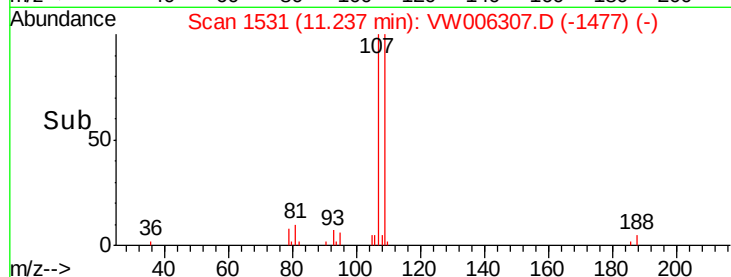
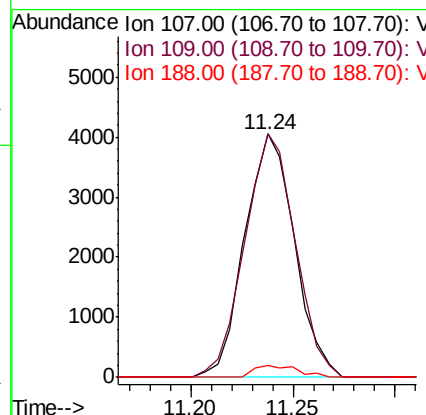
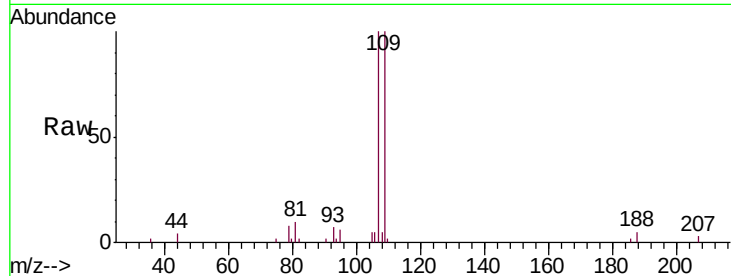




#51
 1,2-Dibromoethane
 Concen: 1.976 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

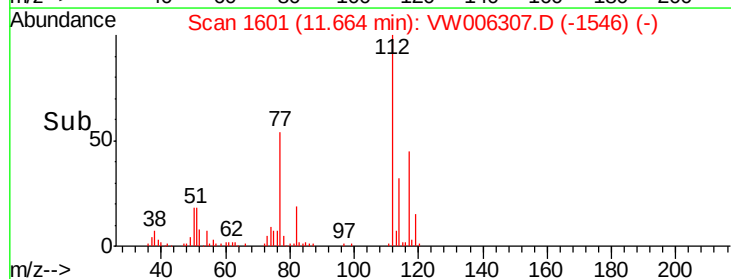
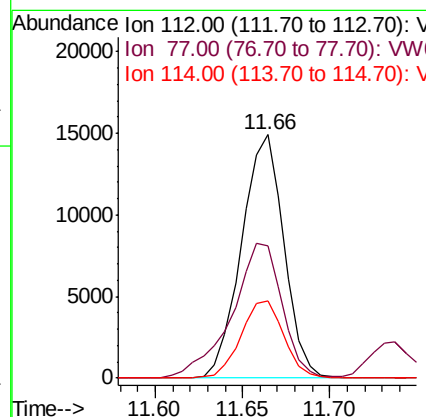
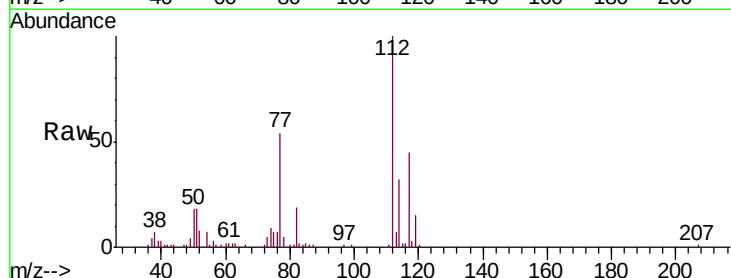
Instrument :
 MSVOA_W
 ClientSampled :
 MDL 2 PPB

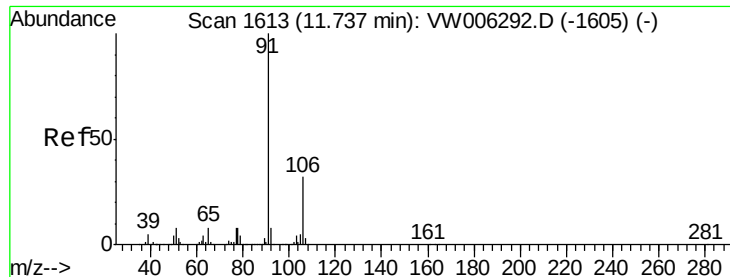
Tgt Ion:107 Resp: 6852
 Ion Ratio Lower Upper
 107 100
 109 100.0 66.6 123.8
 188 4.8 3.4 5.0



#52
 Chlorobenzene
 Concen: 2.060 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion:112 Resp: 25239
 Ion Ratio Lower Upper
 112 100
 77 54.2 44.2 66.2
 114 32.0 22.1 41.1





#53

Ethylbenzene

Concen: 1.982 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

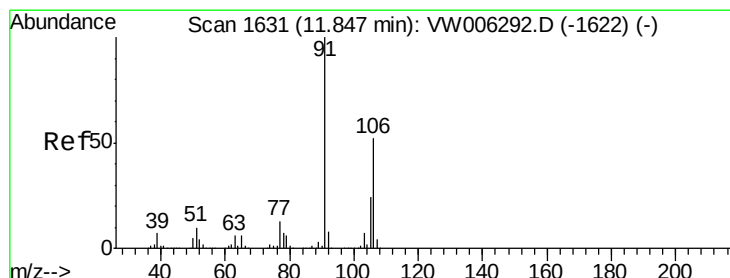
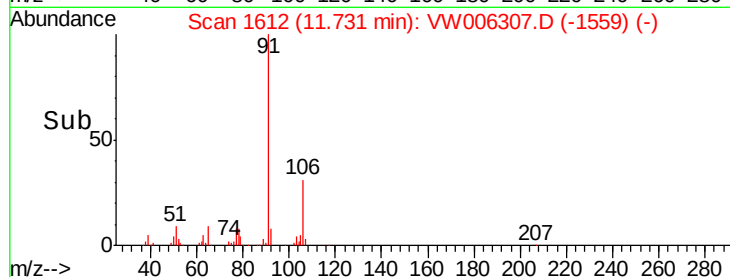
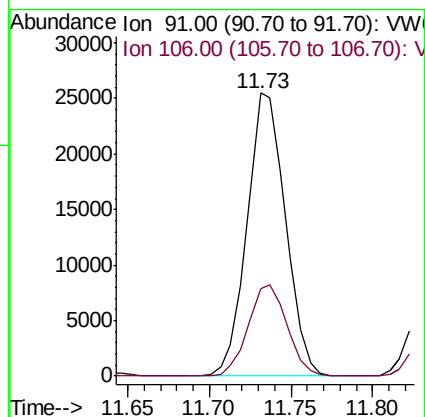
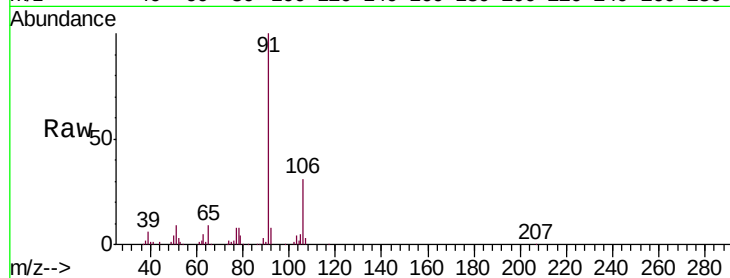
MDL 2 PPB

Tgt Ion: 91 Resp: 41781

Ion Ratio Lower Upper

91 100

106 31.0 22.6 42.0



#54

m,p-Xylene

Concen: 1.934 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006307.D

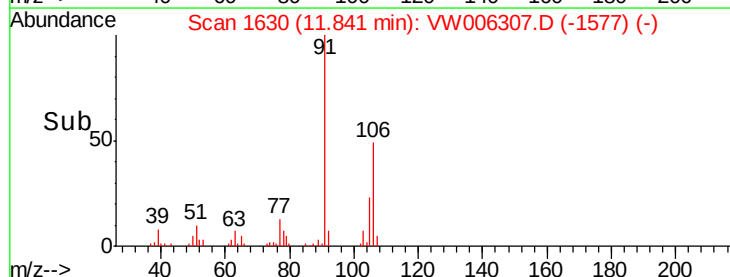
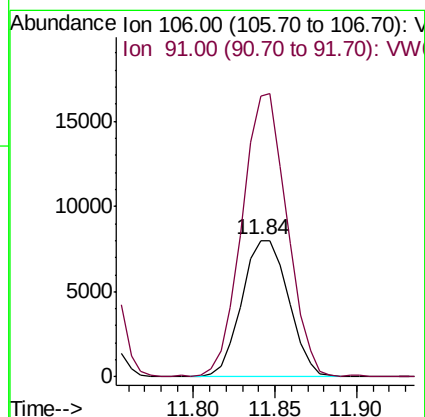
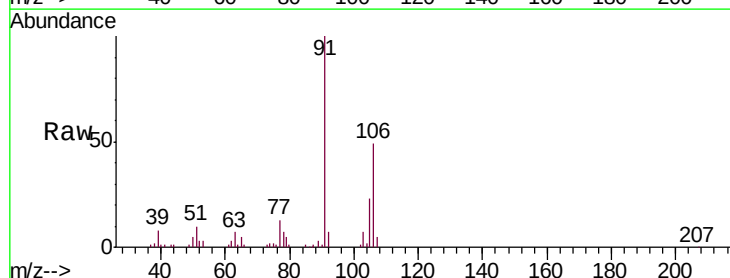
Acq: 23 Oct 2018 20:42

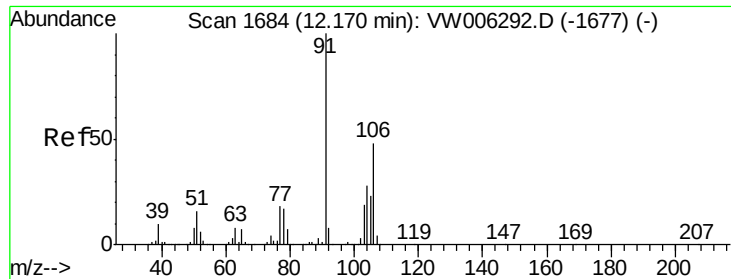
Tgt Ion: 106 Resp: 15973

Ion Ratio Lower Upper

106 100

91 205.3 138.4 257.0

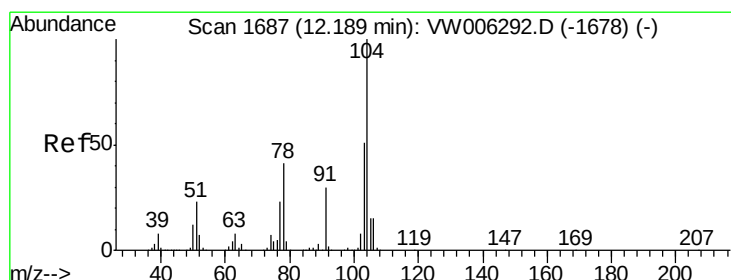
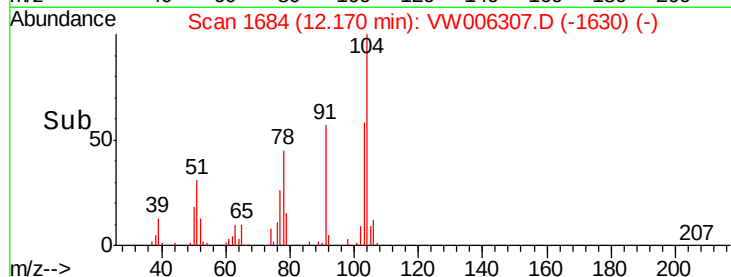
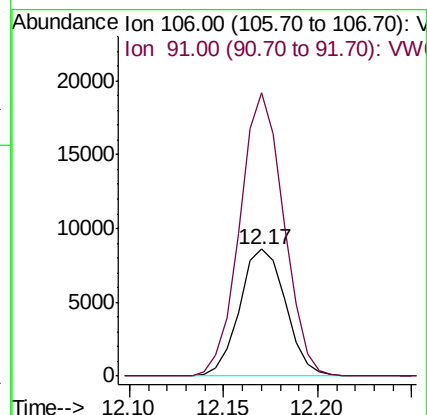
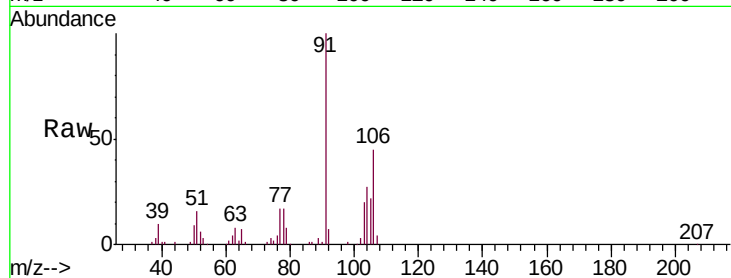




#55
o-xylene
Concen: 1.847 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

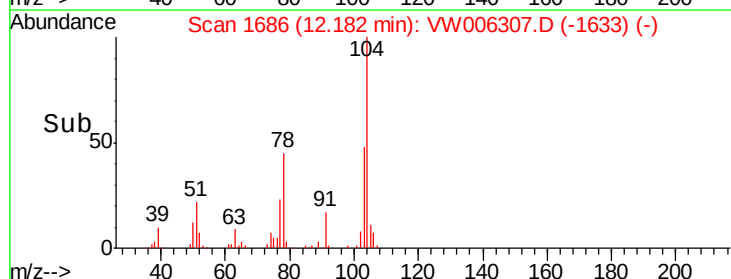
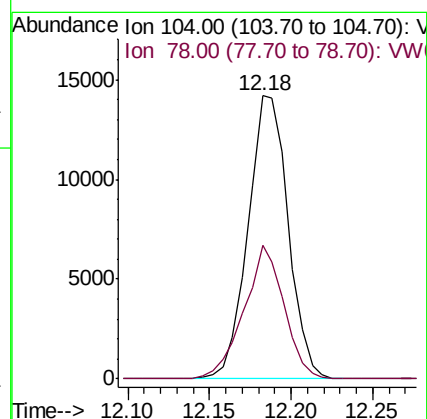
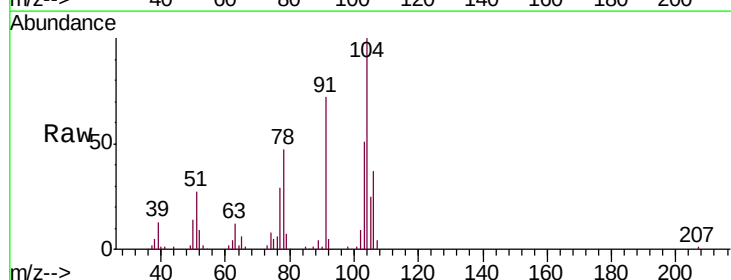
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

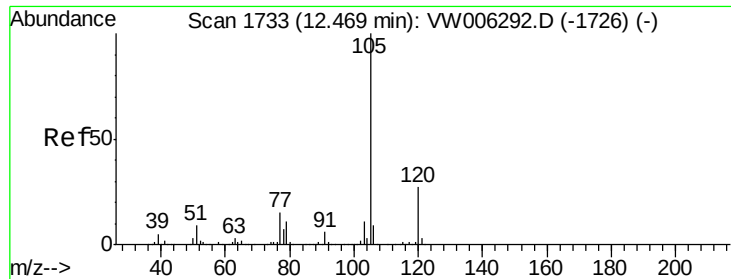
Tgt Ion:106 Resp: 14571
Ion Ratio Lower Upper
106 100
91 223.1 148.7 276.1



#56
Styrene
Concen: 1.784 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006307.D
Acq: 23 Oct 2018 20:42

Tgt Ion:104 Resp: 24231
Ion Ratio Lower Upper
104 100
78 47.1 31.2 58.0





#57

Isopropylbenzene

Concen: 1.936 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

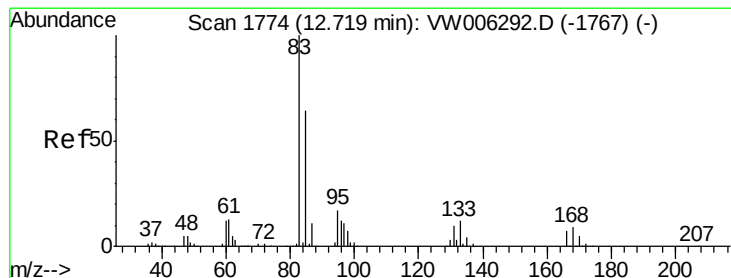
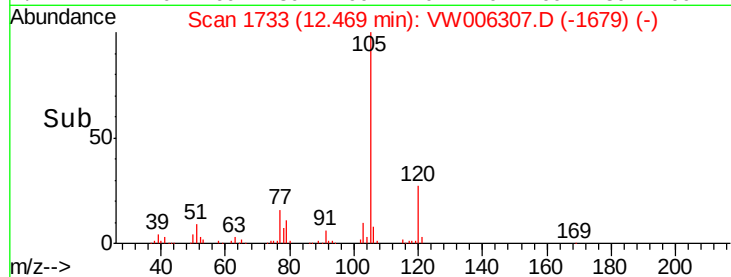
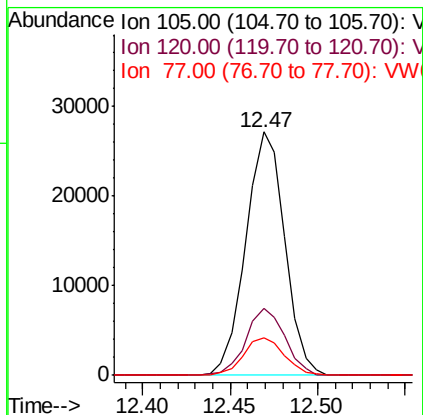
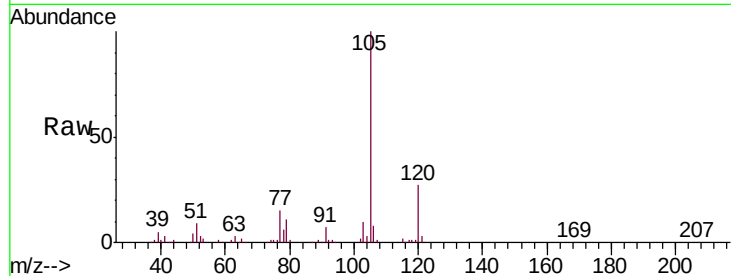
Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion:	105	Resp:	42500
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.8	32.6
77	16.1	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 2.221 ug/L

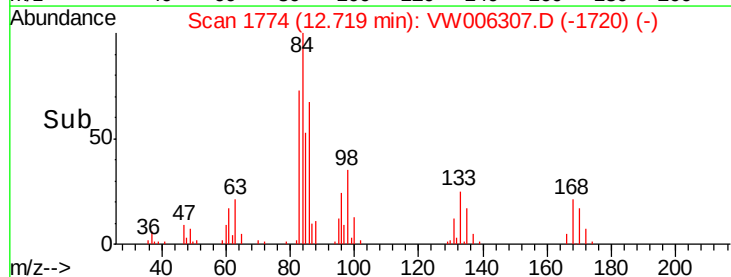
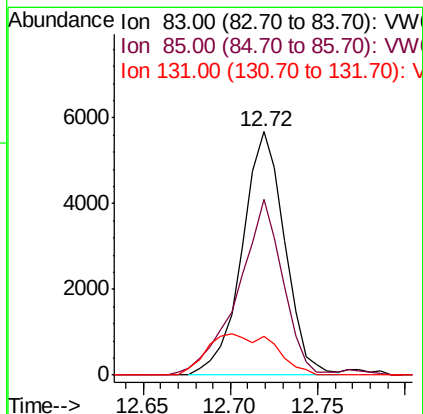
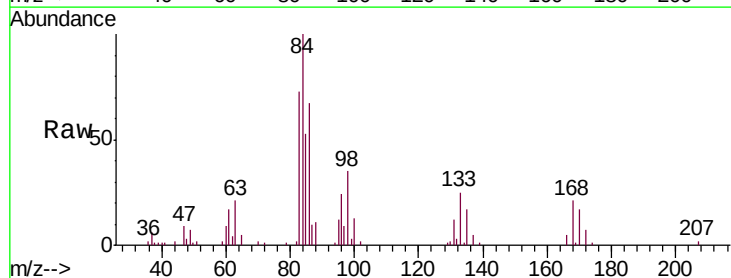
RT: 12.72 min Scan# 1774

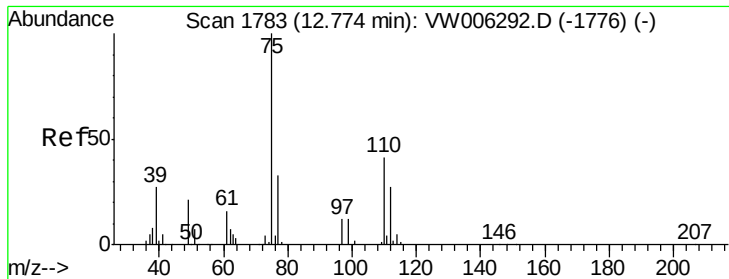
Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Tgt Ion:	83	Resp:	9612
Ion	Ratio	Lower	Upper
83	100		
85	72.4	44.8	83.2
131	16.0	9.0	13.4#





#59

1,2,3-Trichloropropane

Concen: 2.163 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

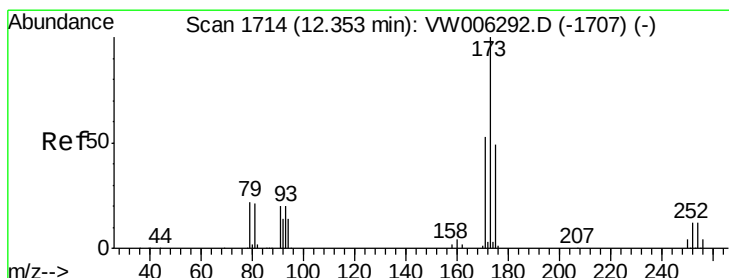
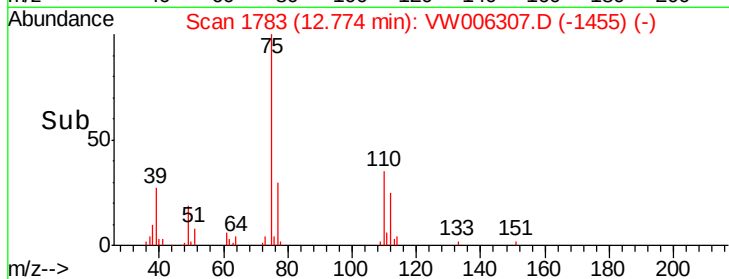
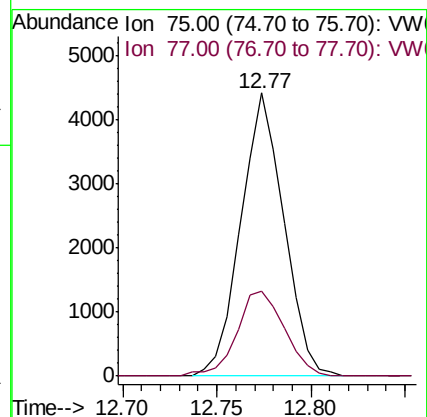
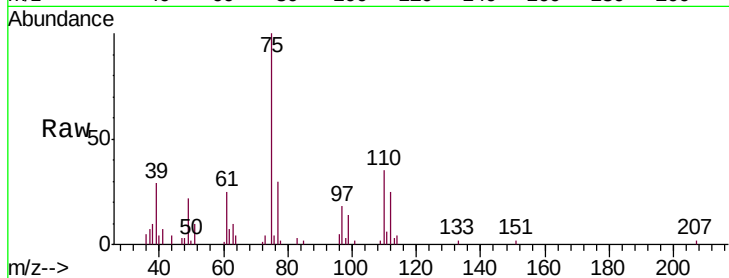
MDL 2 PPB

Tgt Ion: 75 Resp: 6985

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



#62

Bromoform

Concen: 1.641 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

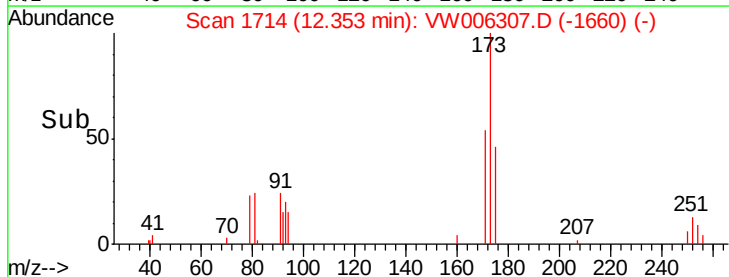
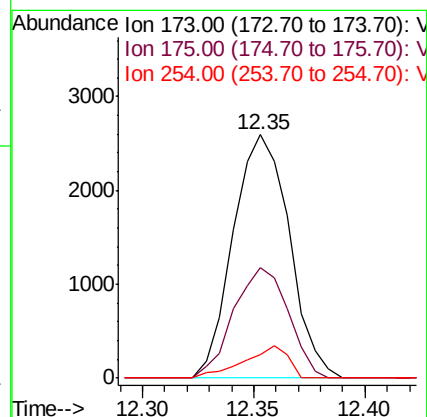
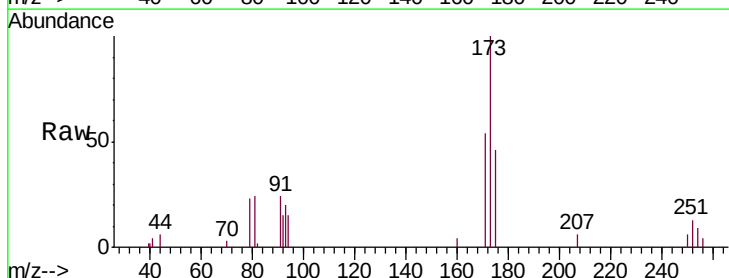
Tgt Ion: 173 Resp: 4557

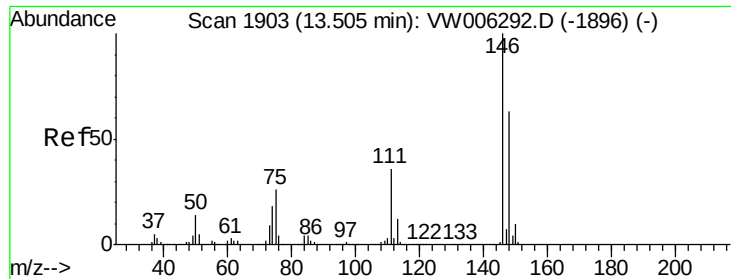
Ion Ratio Lower Upper

173 100

175 44.4 39.1 58.7

254 10.4 9.2 13.8

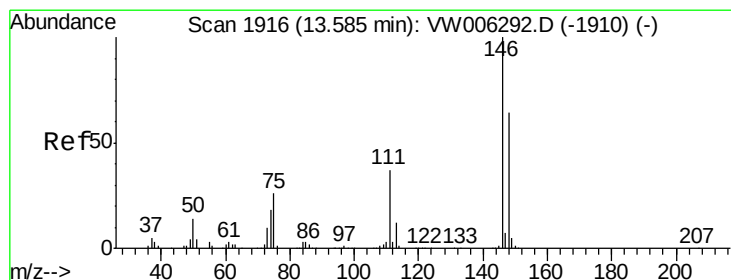
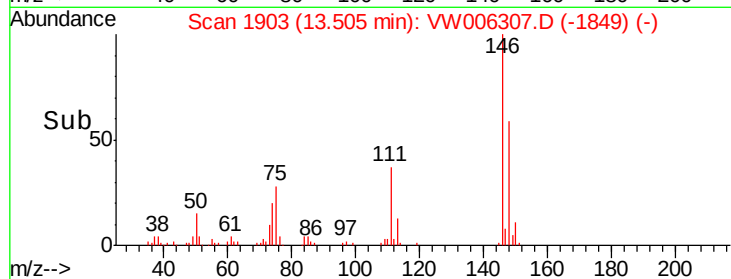
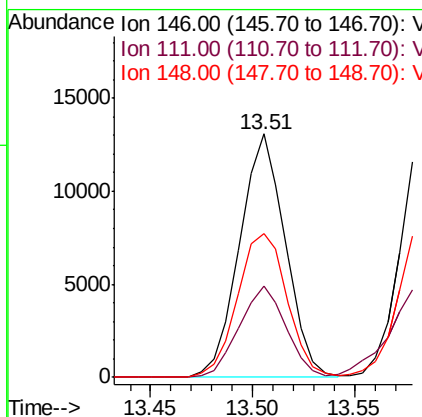
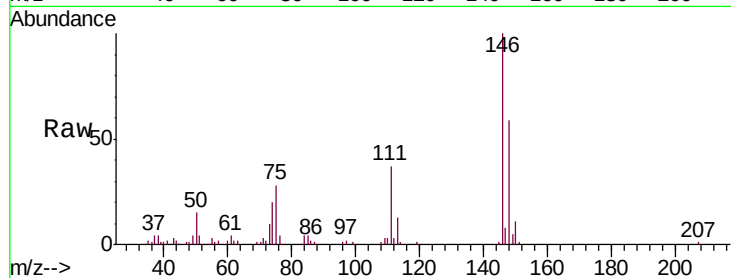




#63
 1,3-Dichlorobenzene
 Concen: 1.999 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

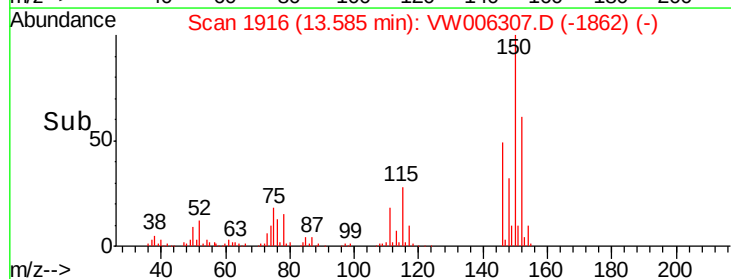
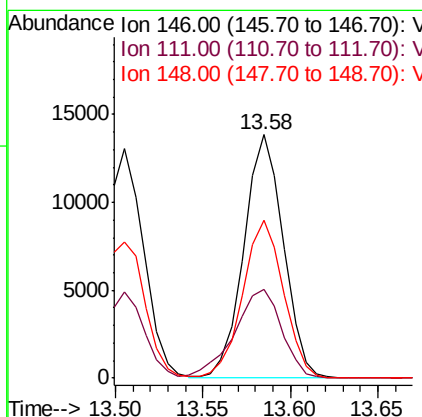
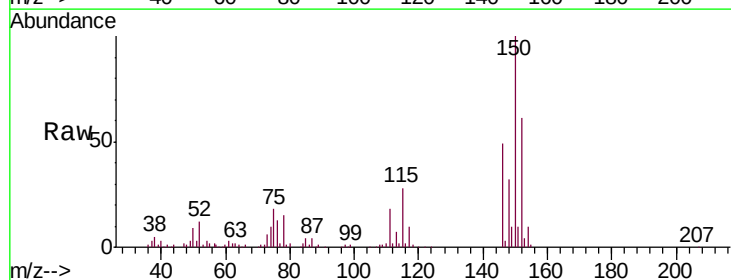
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

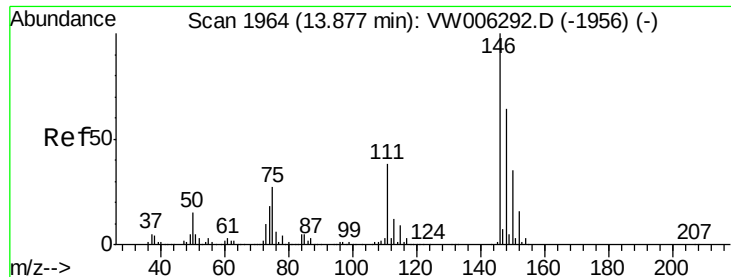
Tgt Ion:146 Resp: 20345
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.3 48.9
 148 58.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion:146 Resp: 21810
 Ion Ratio Lower Upper
 146 100
 111 36.5 24.7 45.9
 148 64.6 44.9 83.5

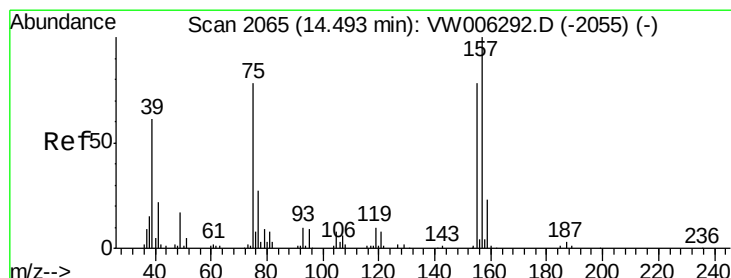
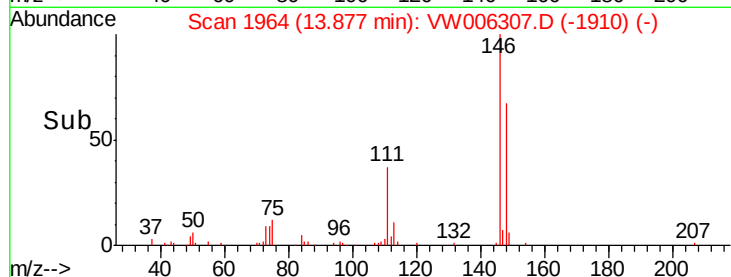
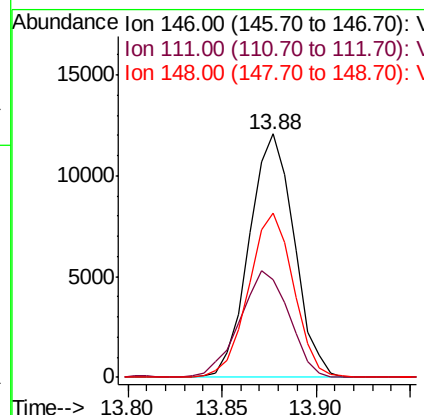
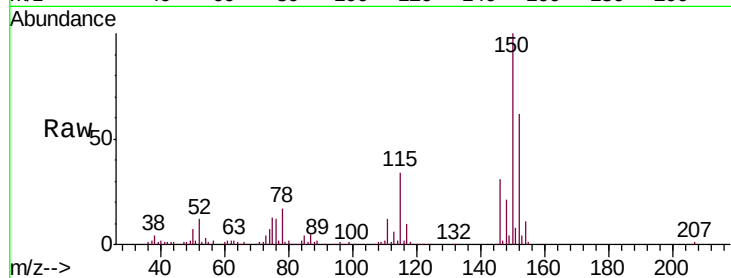




#65
 1,2-Dichlorobenzene
 Concen: 2.126 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

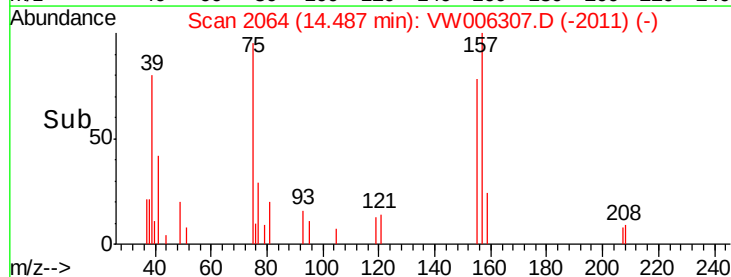
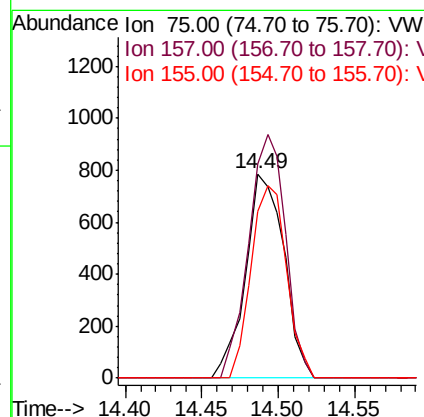
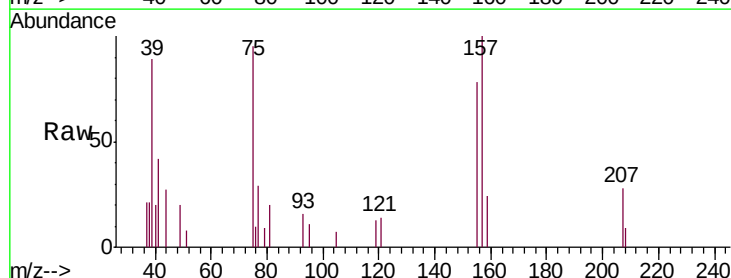
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

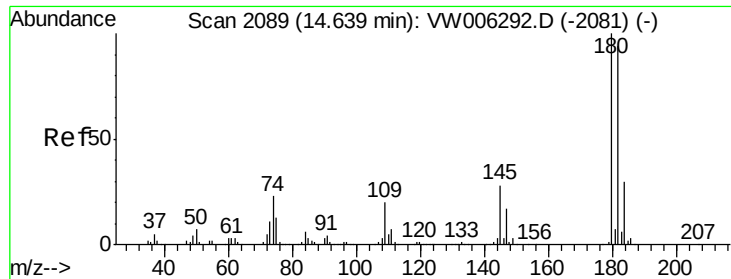
Tgt Ion:146 Resp: 19911
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.1 46.7
 148 67.4 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.820 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion: 75 Resp: 1372
 Ion Ratio Lower Upper
 75 100
 157 104.8 106.8 160.2#
 155 81.8 79.2 118.8

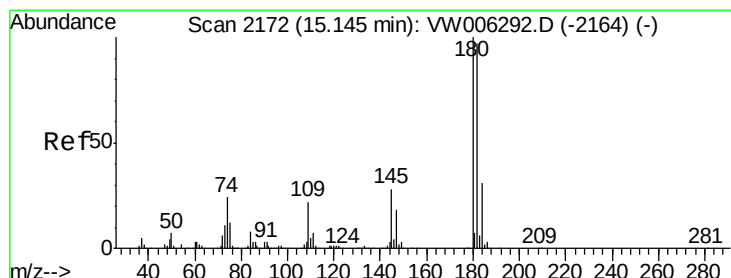
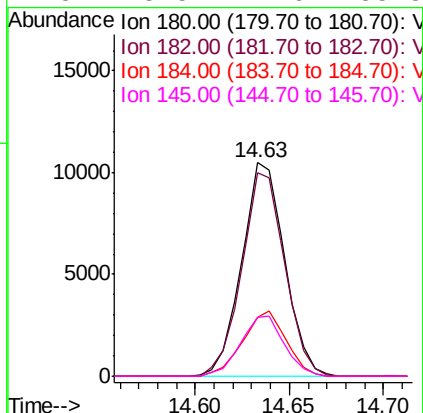
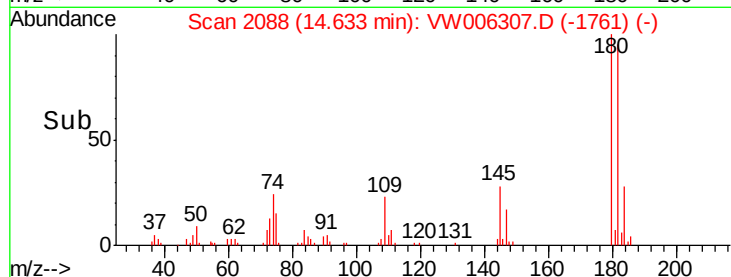
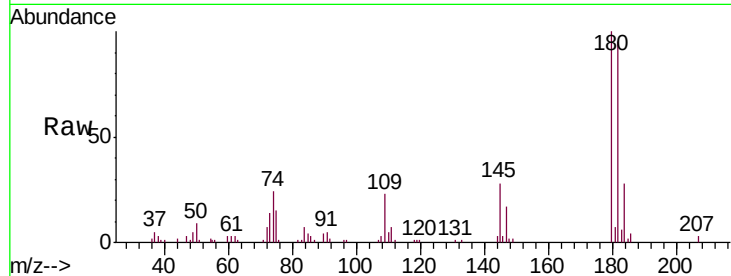




#67
 1,3,5-Trichlorobenzene
 Concen: 2.019 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

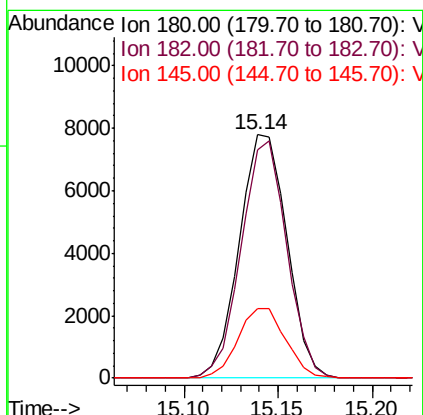
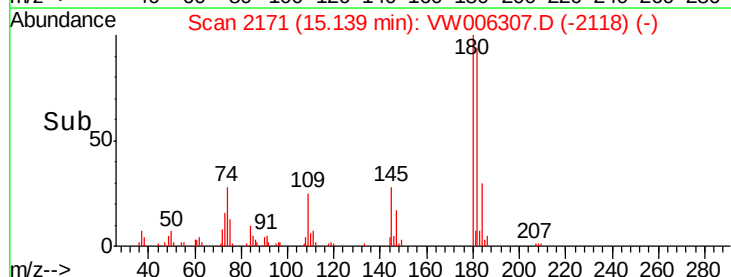
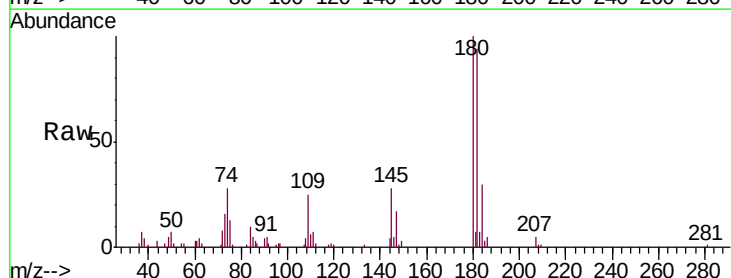
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

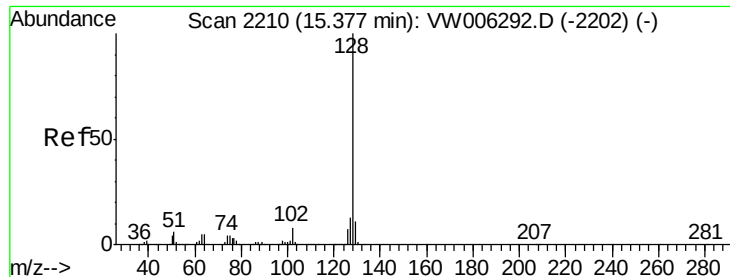
Tgt Ion:	180	Resp:	16565
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
184	30.8	24.3	36.5
145	28.5	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 1.961 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006307.D
 Acq: 23 Oct 2018 20:42

Tgt Ion:	180	Resp:	13718
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.2
145	28.6	23.0	34.6





#69

Naphthalene

Concen: 1.786 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

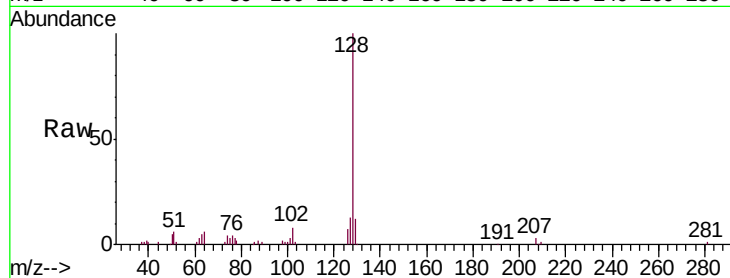
Tgt Ion:128 Resp: 25296

Ion Ratio Lower Upper

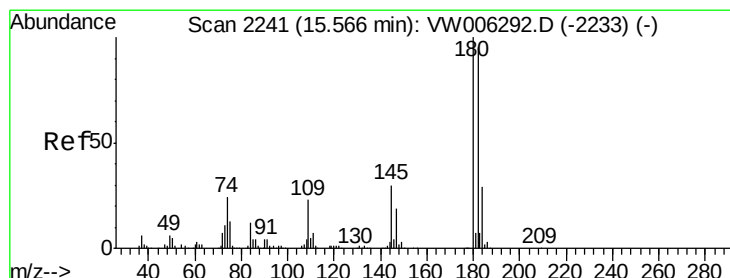
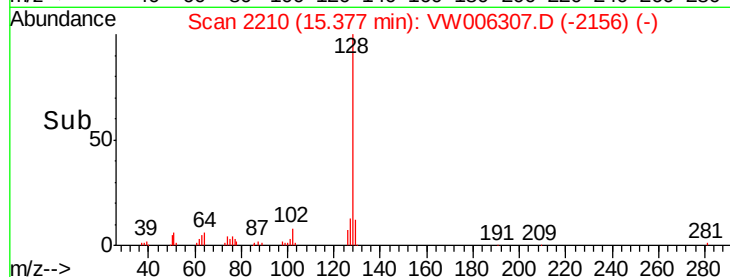
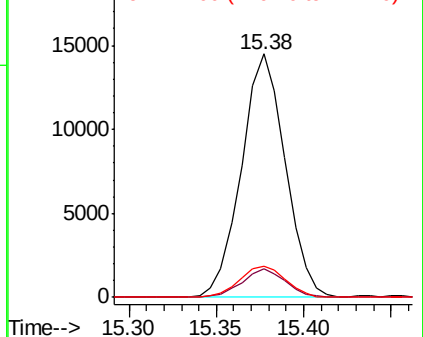
128 100

129 11.6 8.9 13.3

127 13.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.960 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006307.D

Acq: 23 Oct 2018 20:42

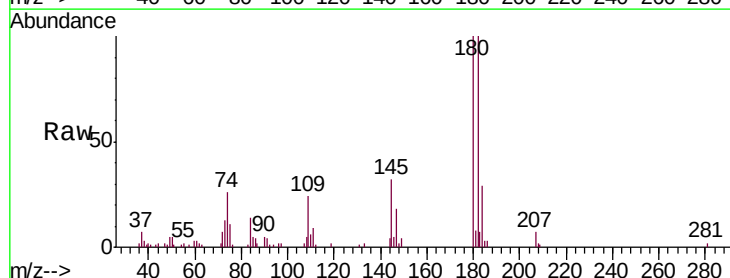
Tgt Ion:180 Resp: 12321

Ion Ratio Lower Upper

180 100

182 96.6 75.5 113.3

145 30.3 24.5 36.7



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

