

Data File : VW006303.D
Acq On : 23 Oct 2018 18:59
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 05:24:35 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	343835	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	169850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76969	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.40%
7) Chloroethane-d5	2.90	69	76328	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
10) 1,1-Dichloroethene-d2	4.01	63	125660	16.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.52%
20) 2-Butanone-d5	7.09	46	56662	44.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.16%
24) Chloroform-d	7.65	84	173265	23.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	8.31	65	99737	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.80%
29) Benzene-d6	8.28	84	351293	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.28	67	102890	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.96%
37) Toluene-d8	10.33	98	346790	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.56%
38) trans-1,3-Dichloropropene-	10.58	79	41326	19.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.84%
39) 2-Hexanone-d5	10.93	63	46505	43.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100889	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	146622	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	7245	2.229 ug/L #	84
3) Chloromethane	2.21	50	7826	2.452 ug/L	99
5) Vinyl chloride	2.37	62	11085	2.155 ug/L #	72
6) Bromomethane	2.79	94	8321	2.078 ug/L	96
8) Chloroethane	2.93	64	6901	2.189 ug/L	96
9) Trichlorofluoromethane	3.26	101	8642	2.100 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10098	2.454 ug/L	87
12) 1,1-Dichloroethene	4.04	96	9305	2.357 ug/L #	1
13) Acetone	4.14	43	5770	4.444 ug/L	99
14) Carbon disulfide	4.38	76	22537	1.746 ug/L	95
15) Methyl Acetate	4.67	43	3890	1.850 ug/L #	58
16) Methylene chloride	4.91	84	17421	3.924 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	13294	2.069 ug/L #	66
18) trans-1,2-Dichloroethene	5.43	96	9159	2.096 ug/L	88
19) 1,1-Dichloroethane	6.22	63	13967	1.975 ug/L	94
21) 2-Butanone	7.19	43	6851	3.971 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	9752	2.046 ug/L	92

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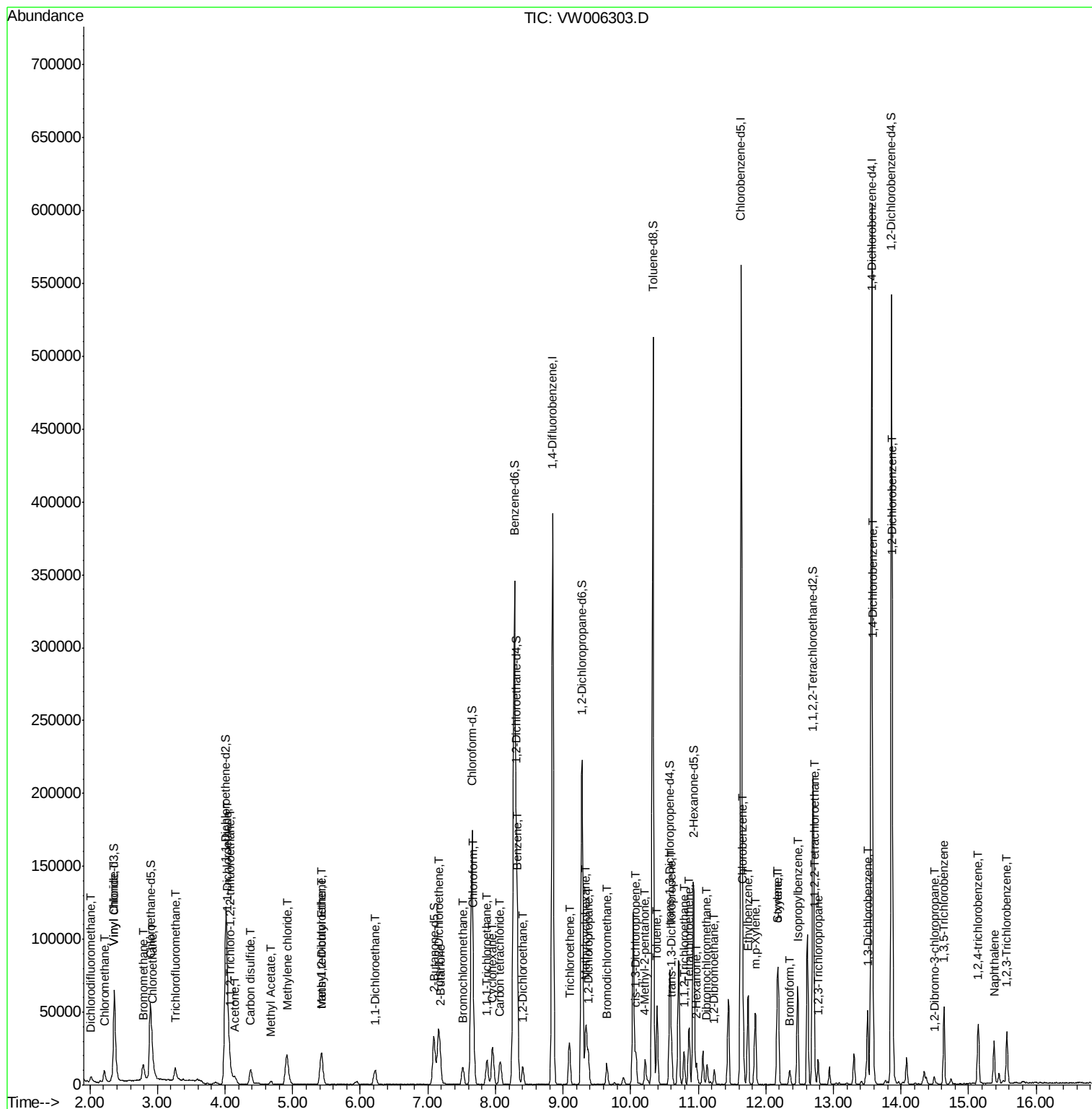
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4311	1.923	ug/L	91
25) Chloroform	7.68	83	16809	2.208	ug/L	90
27) 1,2-Dichloroethane	8.40	62	11040	2.127	ug/L	100
30) Cyclohexane	7.96	56	13543	1.907	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	13281	1.964	ug/L	96
32) Carbon tetrachloride	8.07	117	12203	1.840	ug/L	97
34) Benzene	8.33	78	37211	2.243	ug/L	100
35) Trichloroethene	9.10	95	9613	2.060	ug/L	99
36) Methylcyclohexane	9.34	83	16568	1.937	ug/L	98
40) 1,2-Dichloropropane	9.37	63	8418	2.046	ug/L	100
41) Bromodichloromethane	9.65	83	9910	1.783	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	11952	1.778	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	11283	3.422	ug/L	97
44) Toluene	10.39	91	39198	2.104	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	12201	2.078	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	7144	2.085	ug/L	98
47) Tetrachloroethene	10.87	164	9069	2.099	ug/L	92
49) 2-Hexanone	10.97	43	7719	3.176	ug/L	94
50) Dibromochloromethane	11.13	129	7216	1.643	ug/L	95
51) 1,2-Dibromoethane	11.24	107	7260	2.035	ug/L #	99
52) Chlorobenzene	11.66	112	26288	2.085	ug/L	97
53) Ethylbenzene	11.74	91	42605	1.965	ug/L	100
54) m,p-Xylene	11.84	106	16231	1.910	ug/L	95
55) o-xylene	12.17	106	15284	1.883	ug/L	98
56) Styrene	12.18	104	24904	1.782	ug/L	97
57) Isopropylbenzene	12.47	105	41866	1.854	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9437	2.119	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	6945	2.090	ug/L	100
62) Bromoform	12.35	173	4399	1.546	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	21516	2.063	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	22357	2.128	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	20419	2.128	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1433	1.855	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	16929	2.013	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	14040	1.958	ug/L	100
69) Naphthalene	15.38	128	25740	1.773	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	12742	1.978	ug/L	97

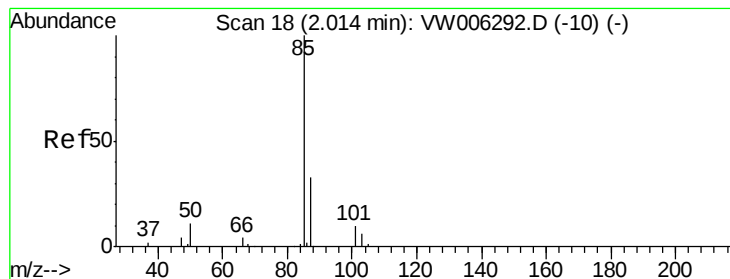
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.229 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

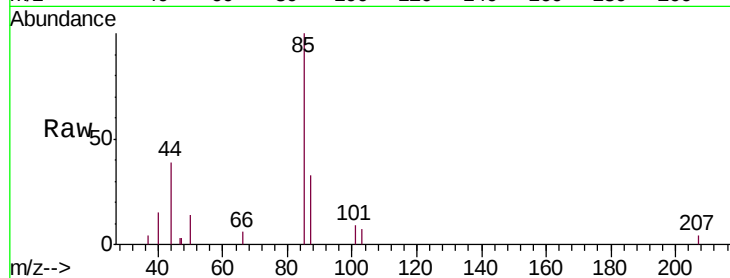
MDL 2 PPB

Tgt Ion: 85 Resp: 7245

Ion Ratio Lower Upper

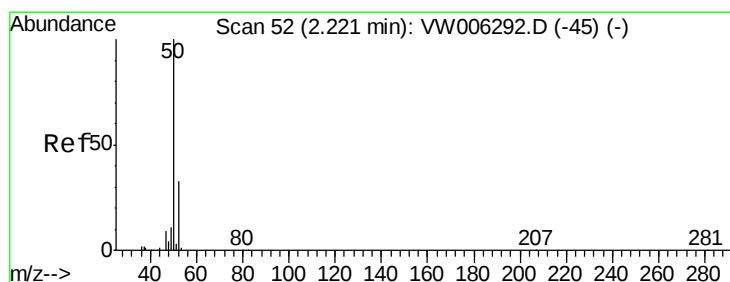
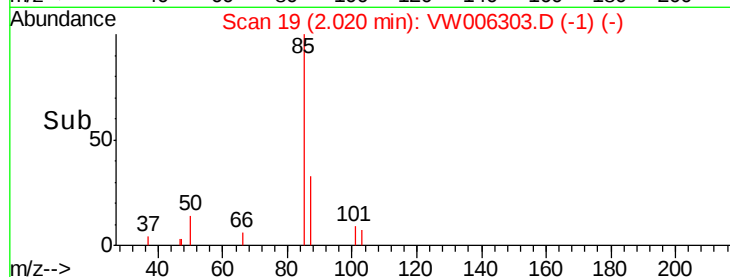
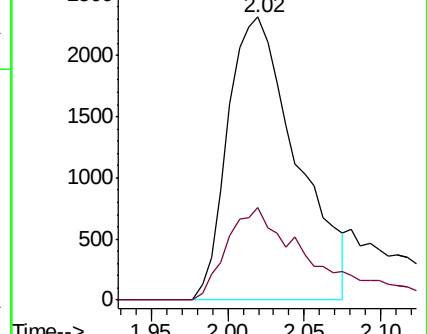
85 100

87 35.6 19.2 35.6#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.452 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006303.D

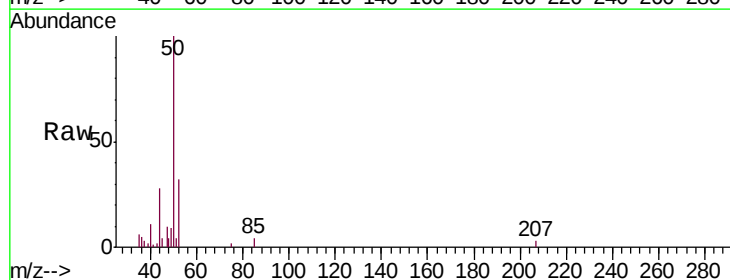
Acq: 23 Oct 2018 18:59

Tgt Ion: 50 Resp: 7826

Ion Ratio Lower Upper

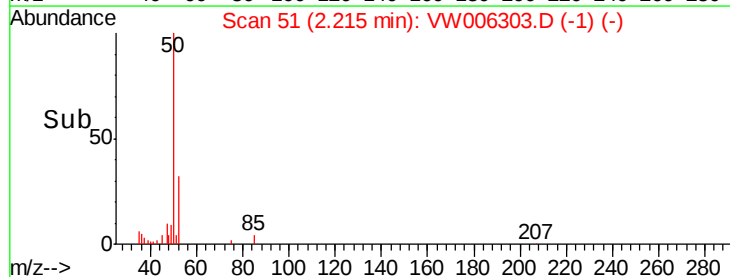
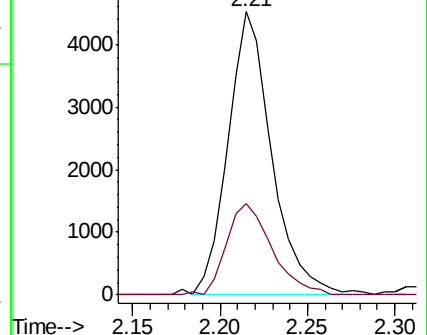
50 100

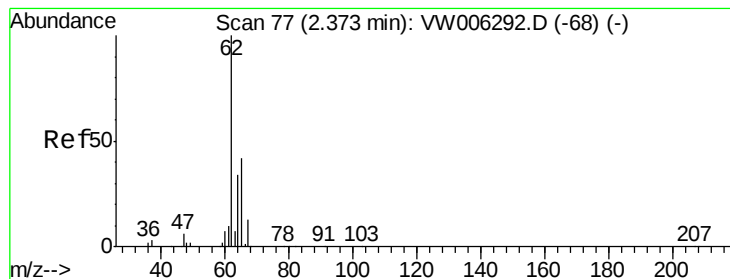
52 32.3 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.155 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

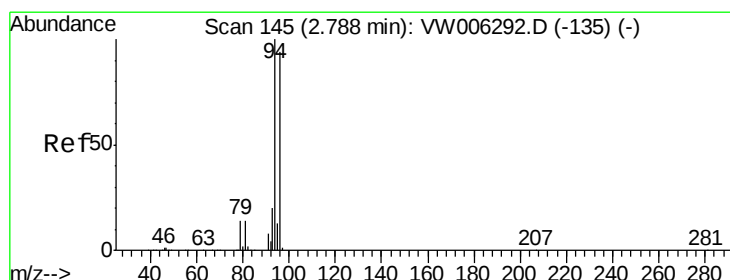
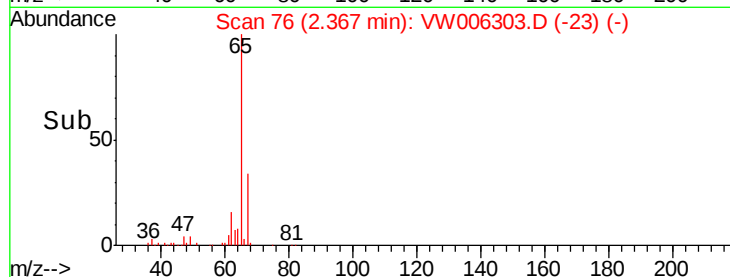
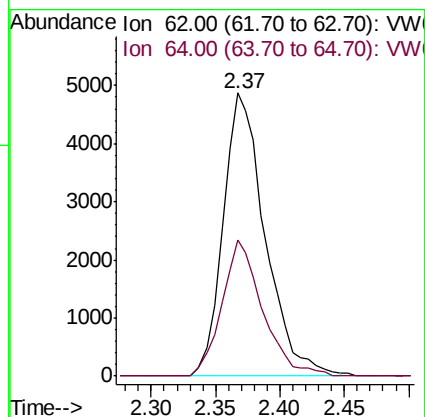
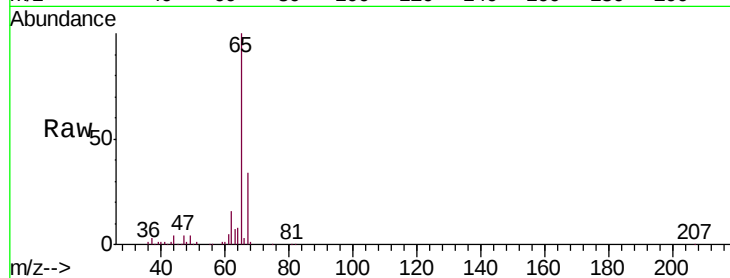
MDL 2 PPB

Tgt Ion: 62 Resp: 11085

Ion Ratio Lower Upper

62 100

64 48.0 22.7 42.3#



#6

Bromomethane

Concen: 2.078 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006303.D

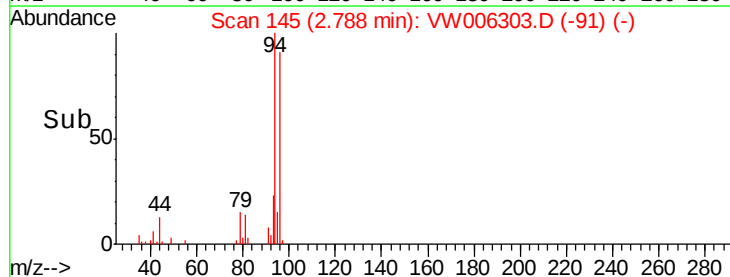
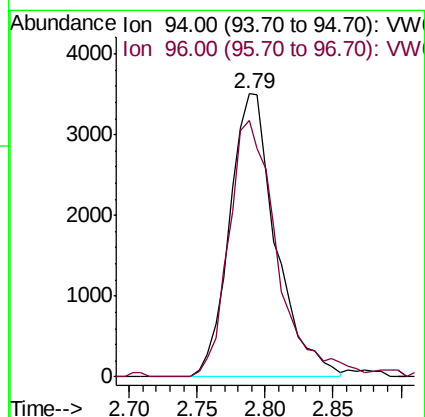
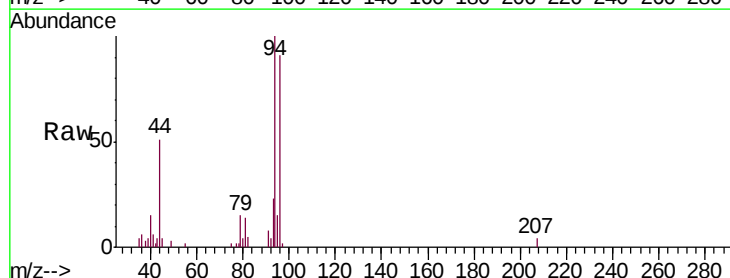
Acq: 23 Oct 2018 18:59

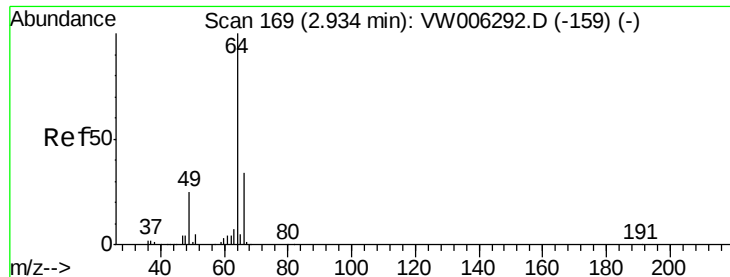
Tgt Ion: 94 Resp: 8321

Ion Ratio Lower Upper

94 100

96 91.7 9.5 181.3

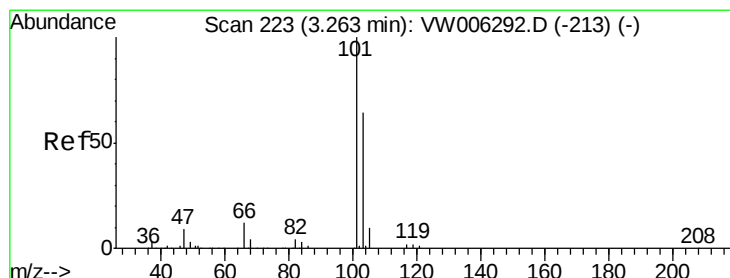
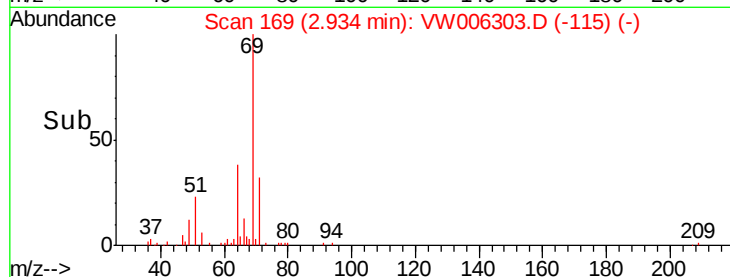
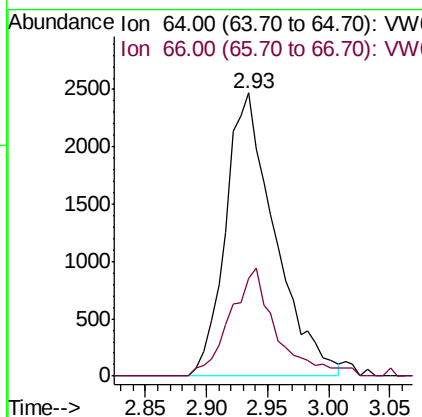
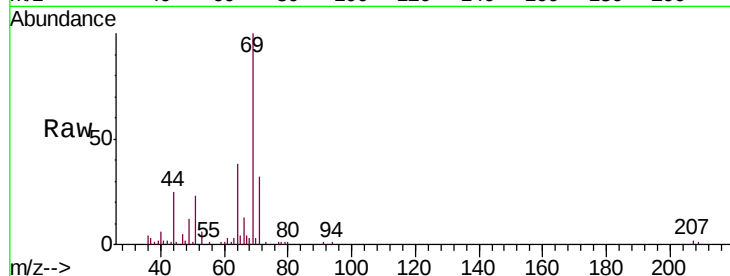




#8
Chloroethane
Concen: 2.189 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

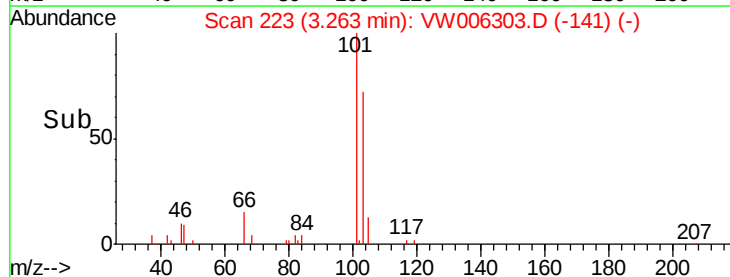
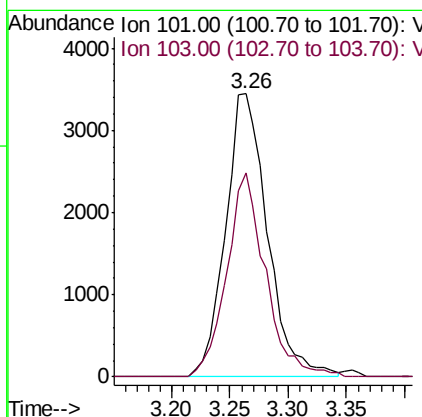
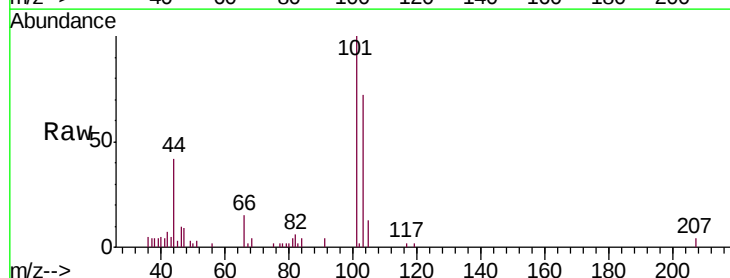
Instrument :
MSVOA_W
ClientSampleId :
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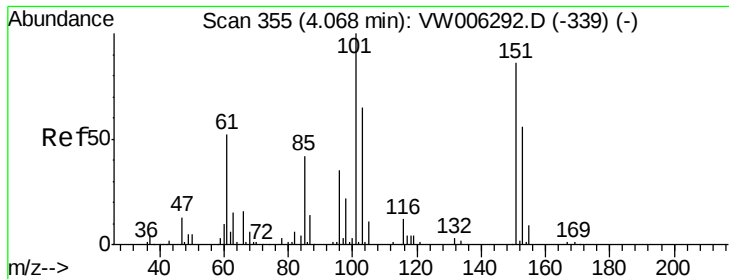
Tgt Ion: 64 Resp: 6901
Ion Ratio Lower Upper
64 100
66 34.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.100 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 101 Resp: 8642
Ion Ratio Lower Upper
101 100
103 65.9 45.6 84.6





#11

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

Concen: 2.454 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

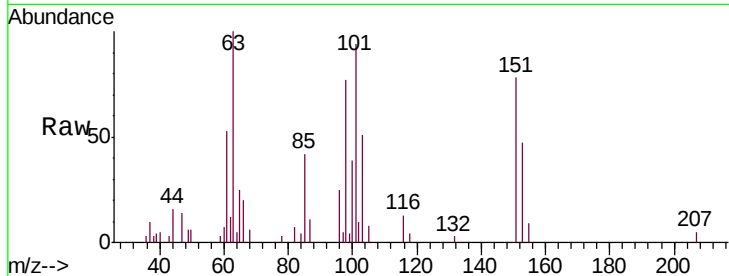
Tgt Ion:101 Resp: 10098

Ion Ratio Lower Upper

101 100

85 37.4 33.4 50.2

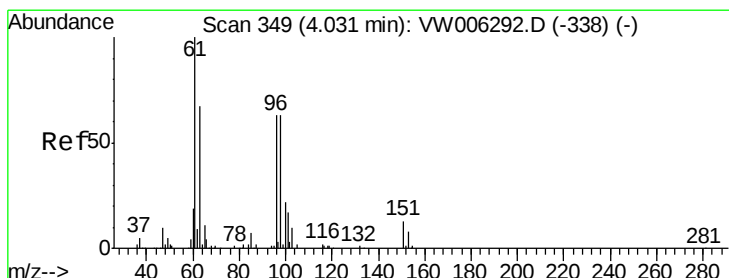
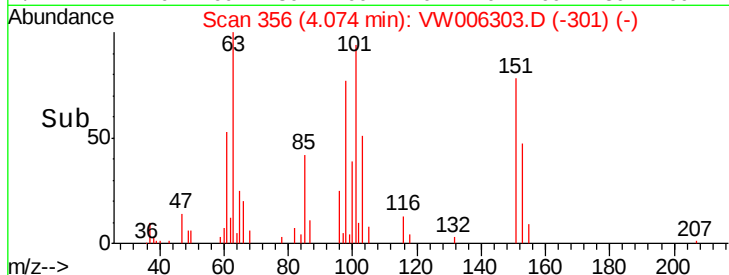
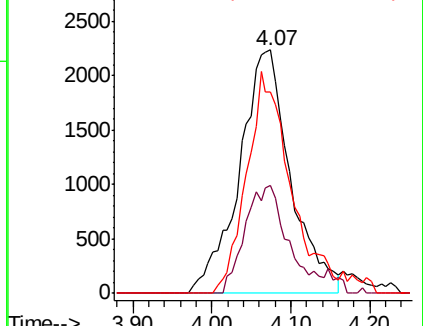
151 71.7 68.7 103.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.357 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

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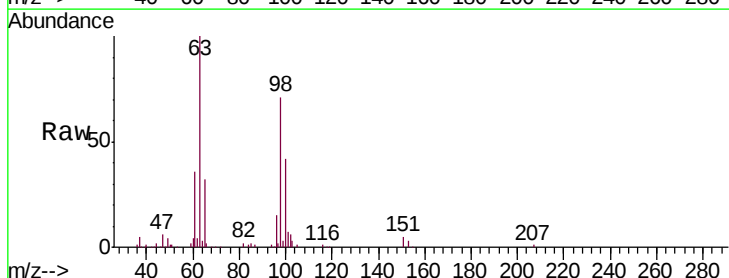
Tgt Ion: 96 Resp: 9305

Ion Ratio Lower Upper

96 100

61 234.7 112.3 208.7#

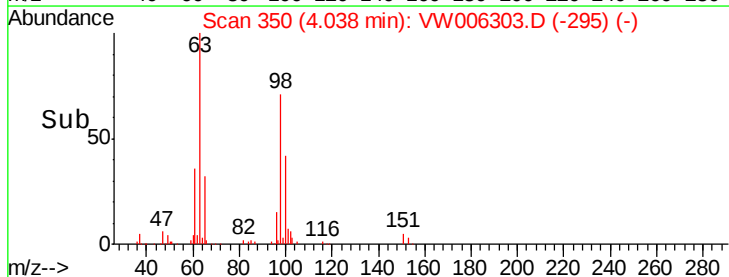
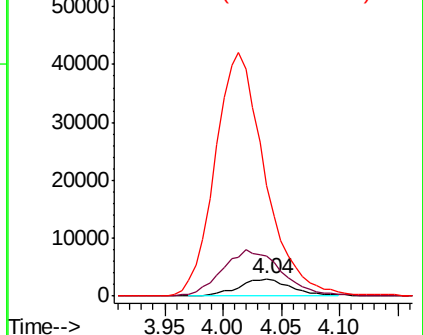
63 649.2 102.6 190.6#

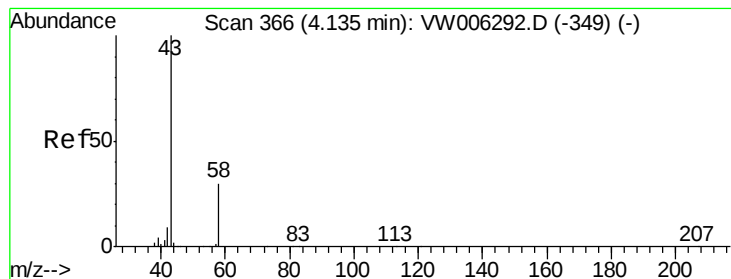


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.444 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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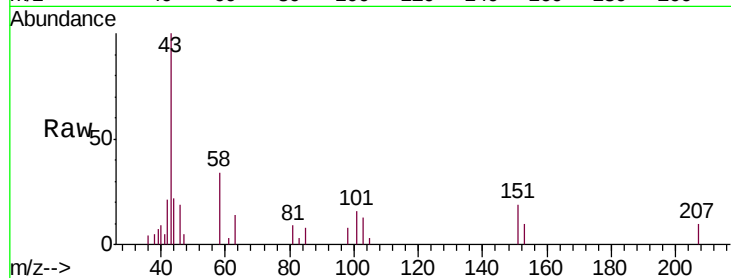
MDL 2 PPB

Tgt Ion: 43 Resp: 5770

Ion Ratio Lower Upper

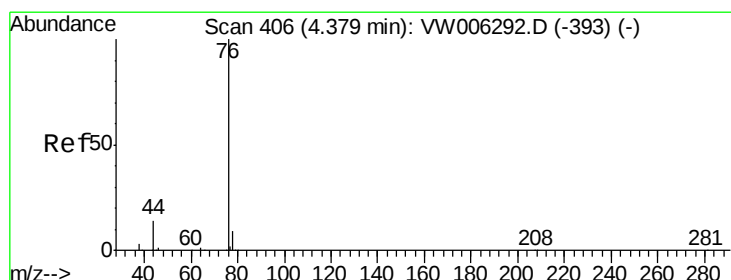
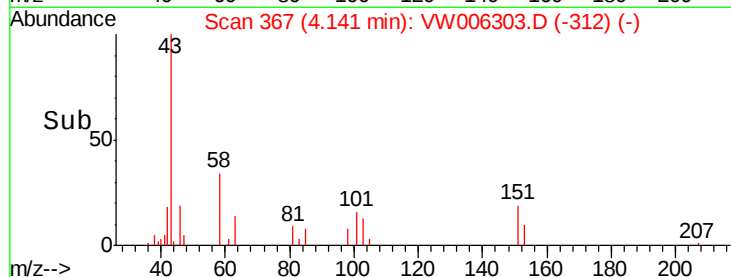
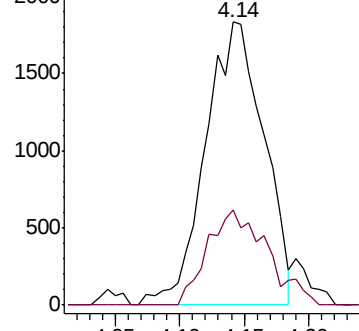
43 100

58 31.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.746 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006303.D

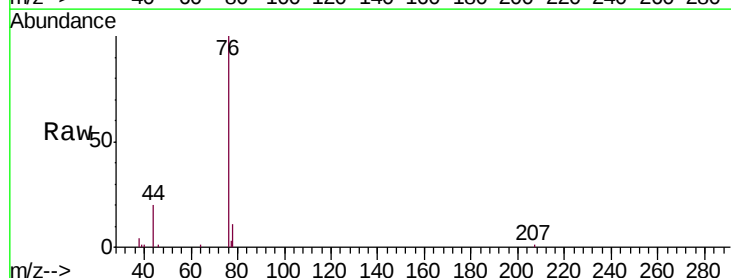
Acq: 23 Oct 2018 18:59

Tgt Ion: 76 Resp: 22537

Ion Ratio Lower Upper

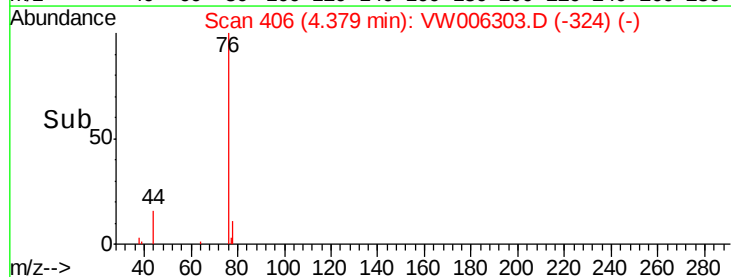
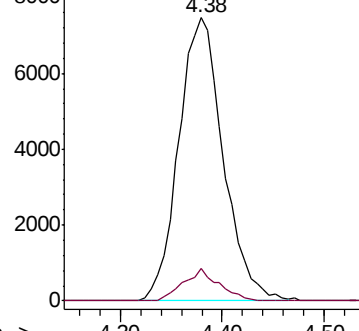
76 100

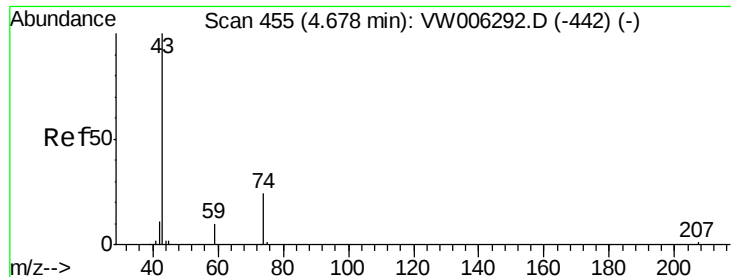
78 11.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

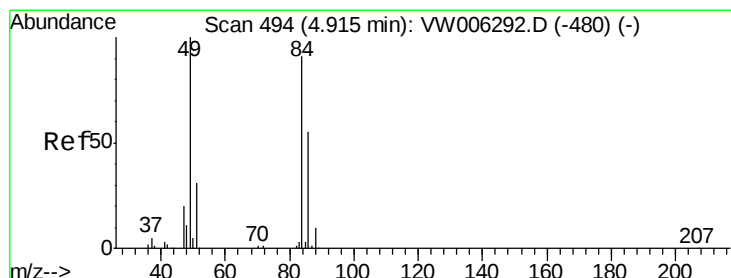
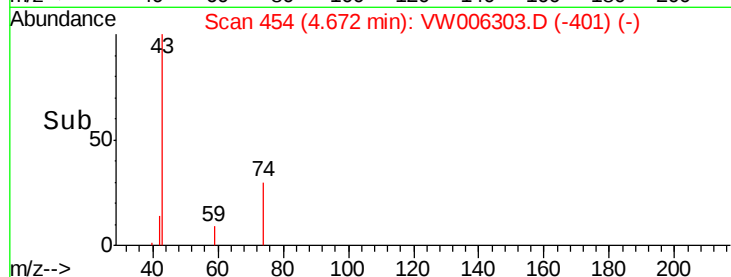
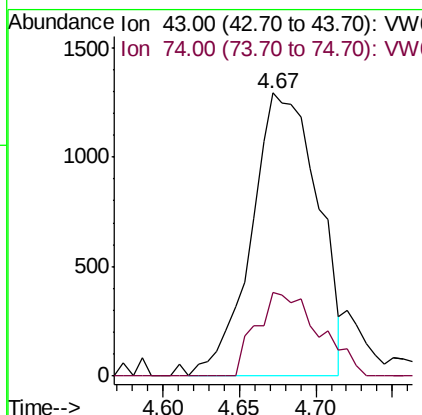
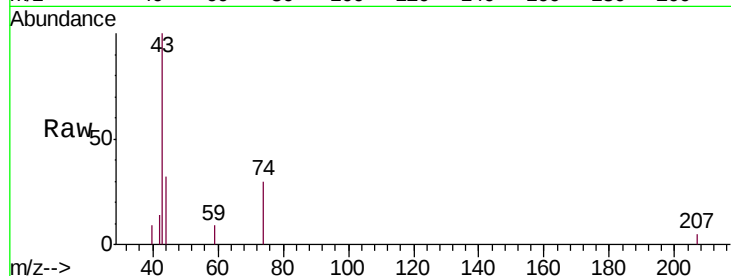




#15
Methyl Acetate
Concen: 1.850 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

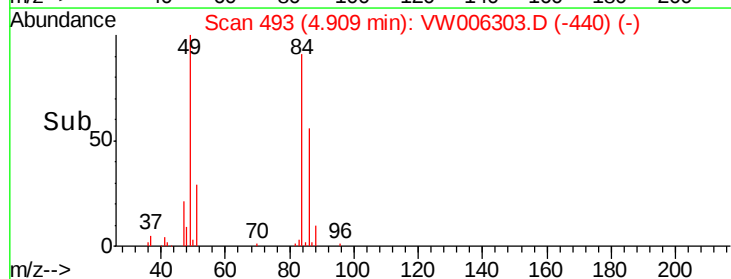
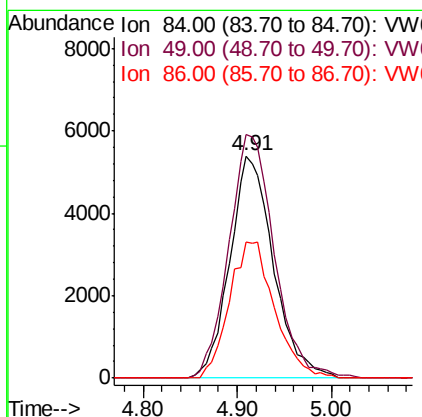
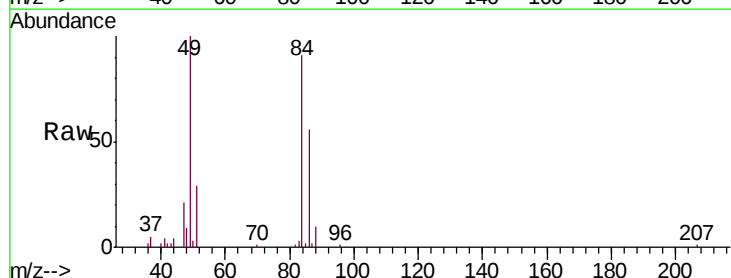
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

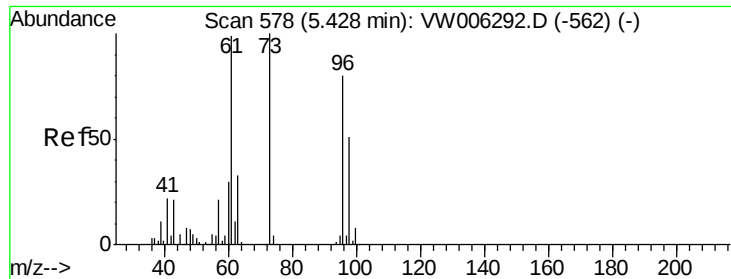
Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
74 3.7 19.4 29.2#



#16
Methylene chloride
Concen: 3.924 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 84 Resp: 17421
Ion Ratio Lower Upper
84 100
49 109.6 83.5 155.1
86 61.2 44.9 83.5





#17

Methyl tert-butyl Ether

Concen: 2.069 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

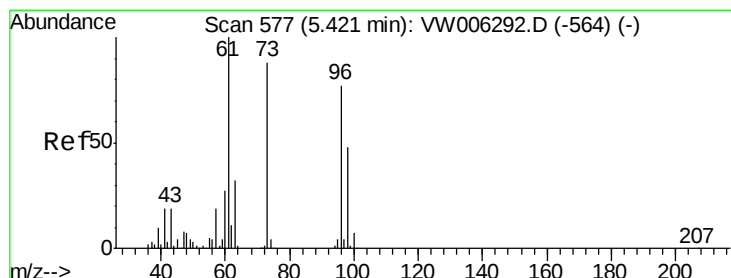
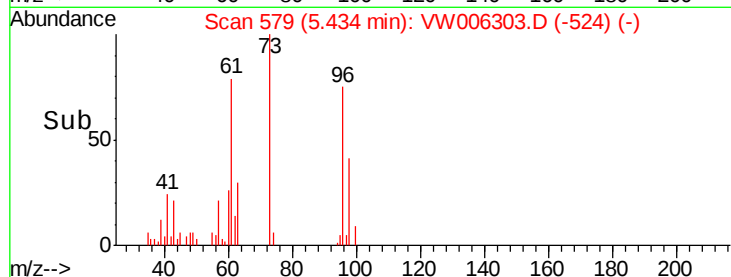
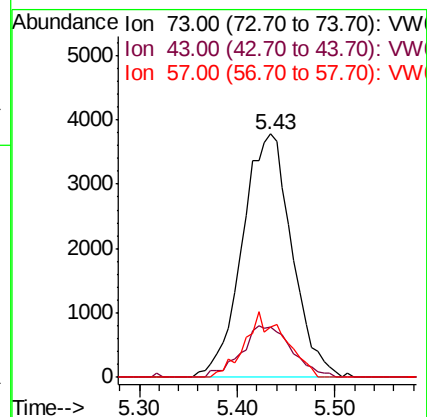
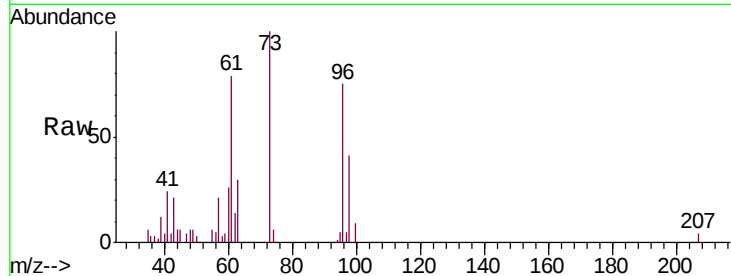
Tgt Ion: 73 Resp: 13294

Ion Ratio Lower Upper

73 100

43 0.0 17.0 25.4#

57 10.7 17.1 25.7#



#18

trans-1,2-Dichloroethene

Concen: 2.096 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

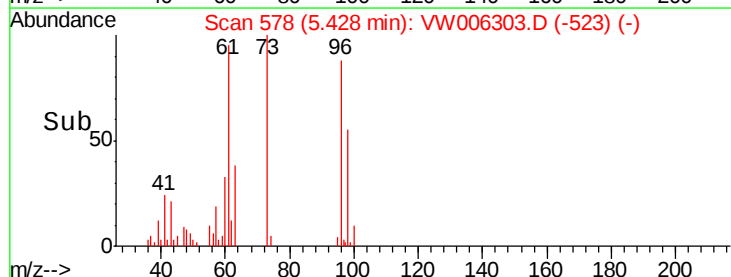
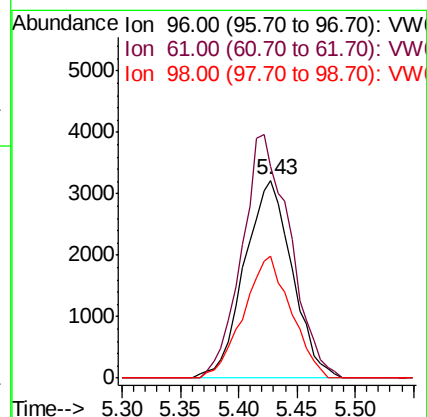
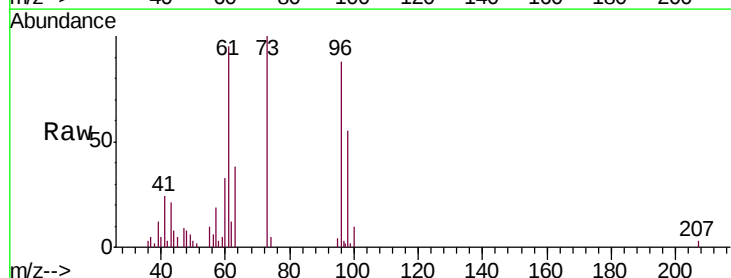
Tgt Ion: 96 Resp: 9159

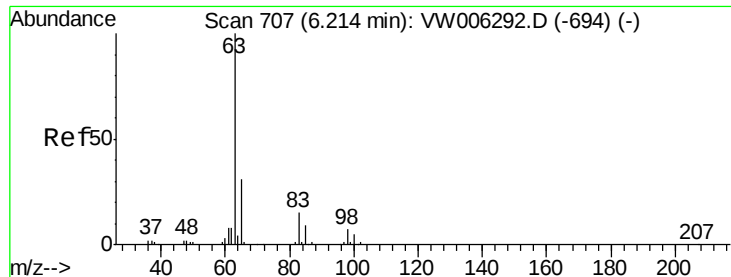
Ion Ratio Lower Upper

96 100

61 107.0 89.0 165.2

98 61.8 42.4 78.6

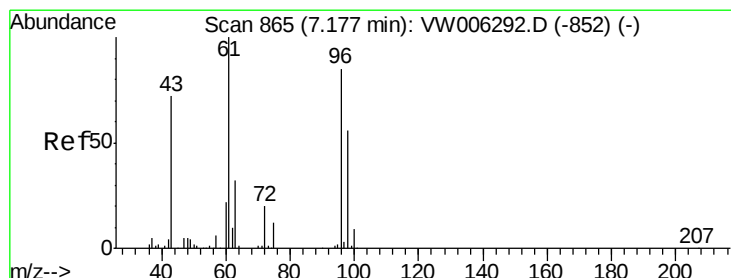
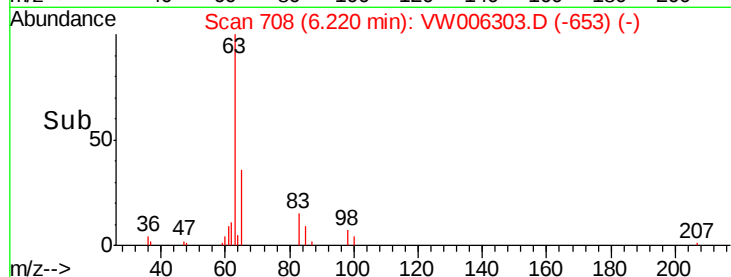
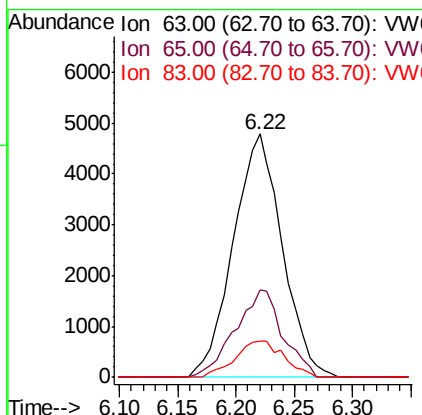
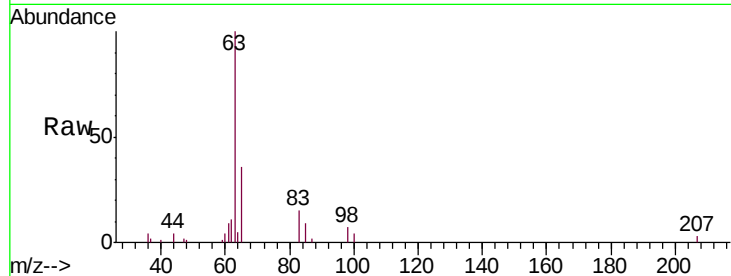




#19
 1,1-Dichloroethane
 Concen: 1.975 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

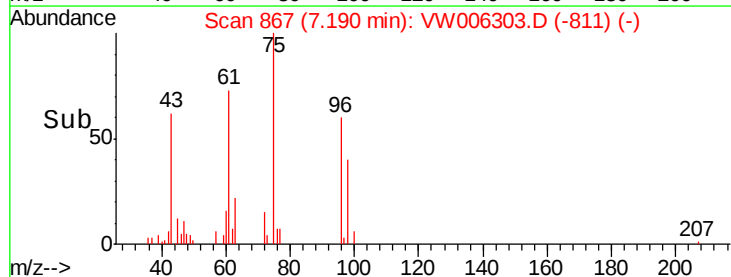
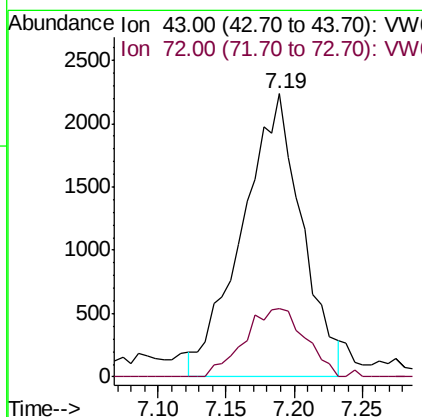
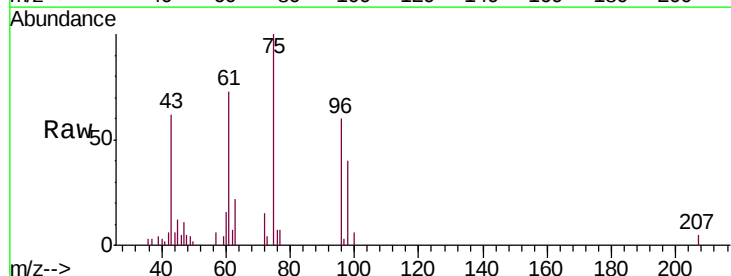
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

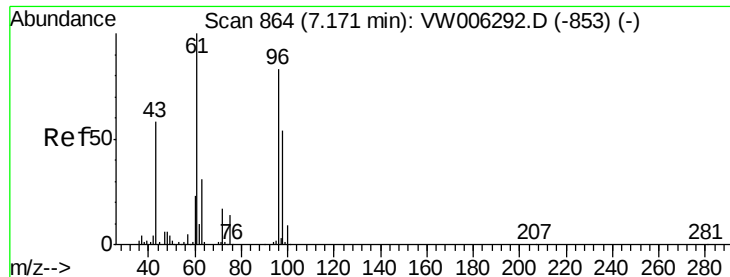
Tgt Ion: 63 Resp: 13967
 Ion Ratio Lower Upper
 63 100
 65 36.0 22.3 41.5
 83 14.7 9.7 18.1



#21
 2-Butanone
 Concen: 3.971 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 43 Resp: 6851
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.8 41.4



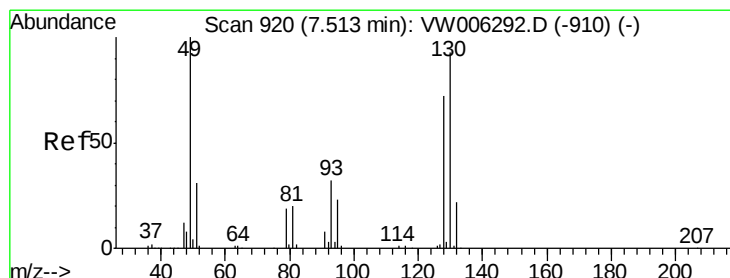
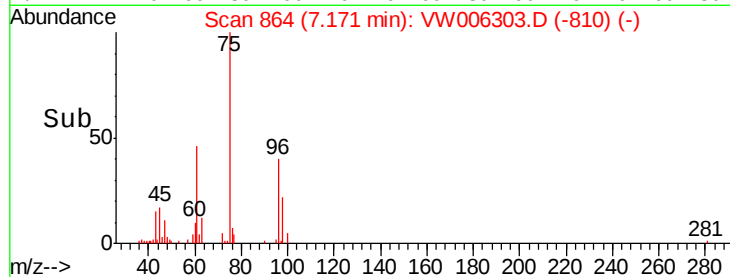
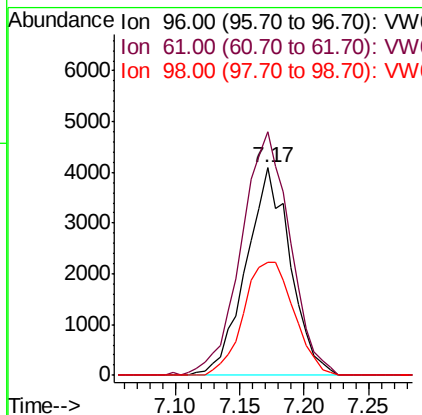
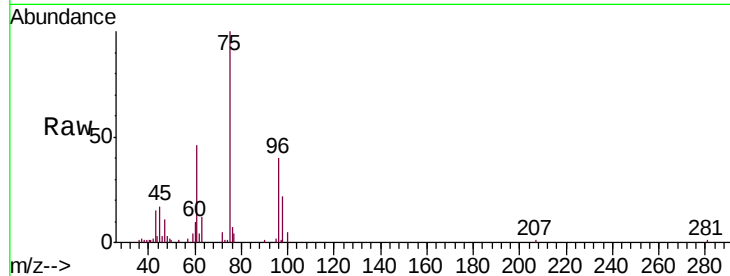


#22

cis-1,2-Dichloroethene
Concen: 2.046 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

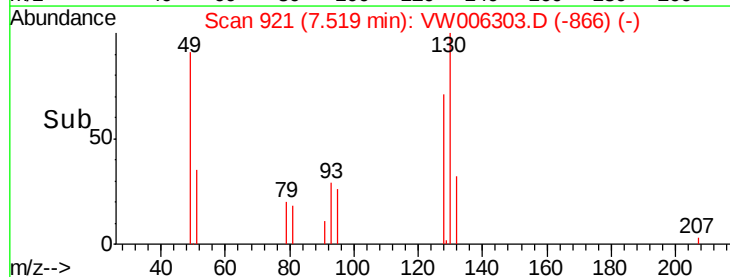
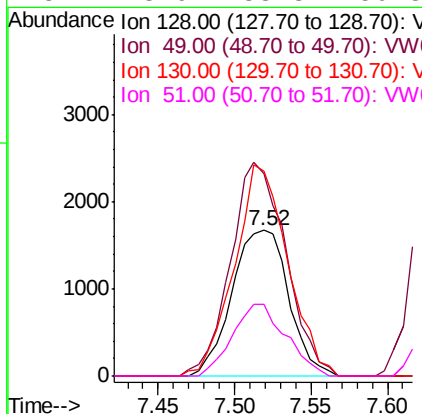
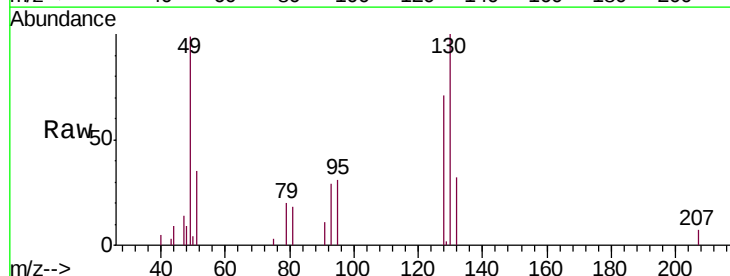
Tgt Ion: 96 Resp: 9752
Ion Ratio Lower Upper
96 100
61 117.3 85.1 158.1
98 54.6 46.3 86.1

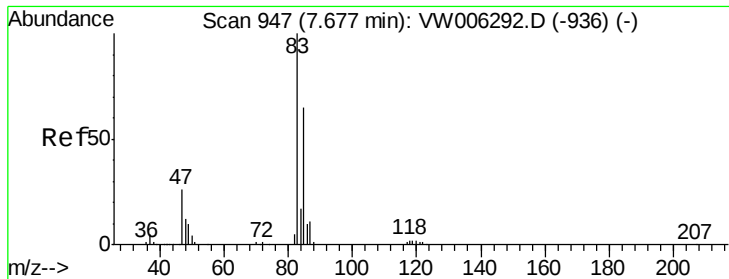


#23

Bromochloromethane
Concen: 1.923 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 128 Resp: 4311
Ion Ratio Lower Upper
128 100
49 139.2 95.2 176.8
130 141.1 86.3 160.3
51 48.9 33.8 50.8





#25

Chloroform

Concen: 2.208 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

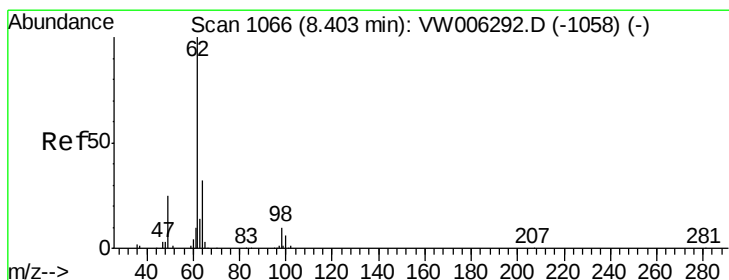
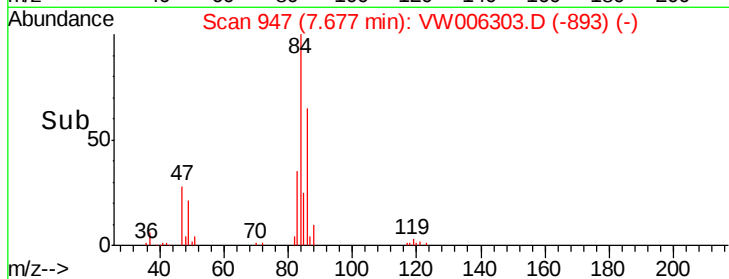
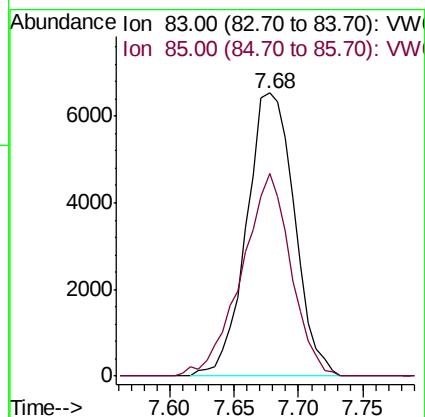
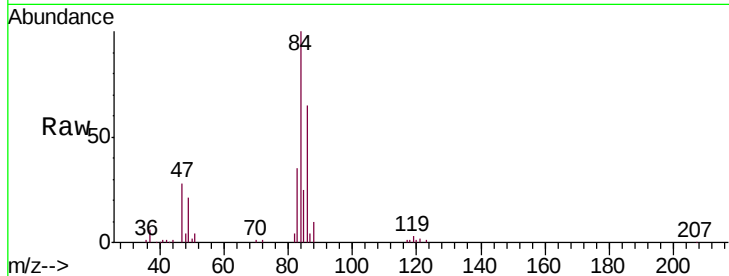
MDL 2 PPB

Tgt Ion: 83 Resp: 16809

Ion Ratio Lower Upper

83 100

85 73.9 46.3 85.9



#27

1,2-Dichloroethane

Concen: 2.127 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006303.D

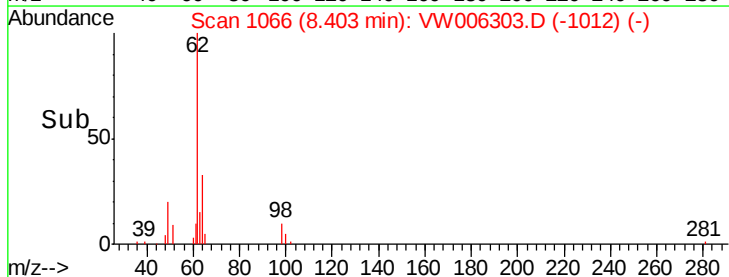
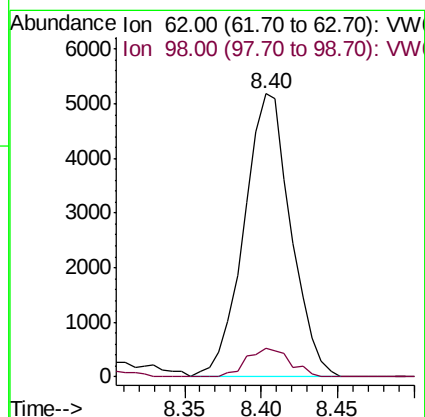
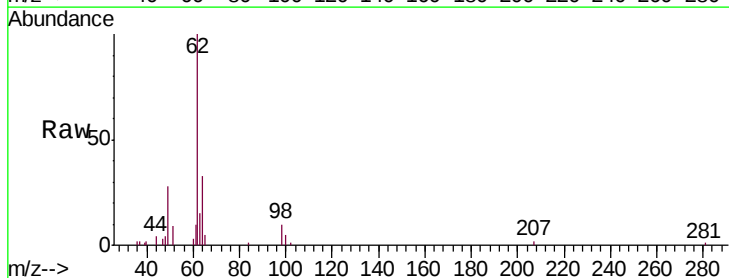
Acq: 23 Oct 2018 18:59

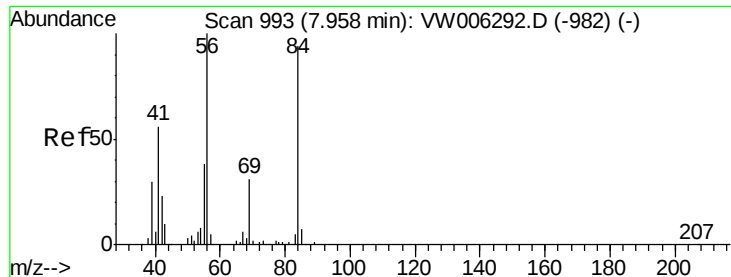
Tgt Ion: 62 Resp: 11040

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0

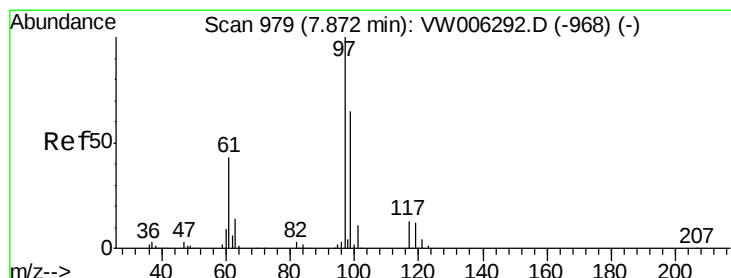
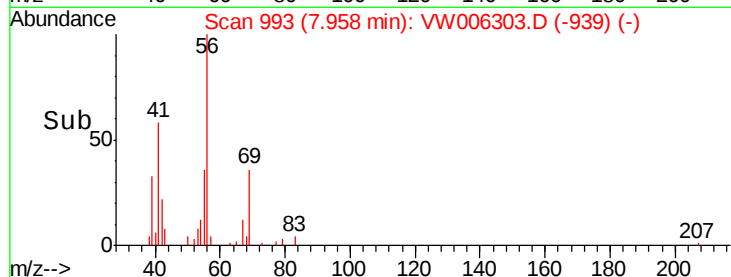
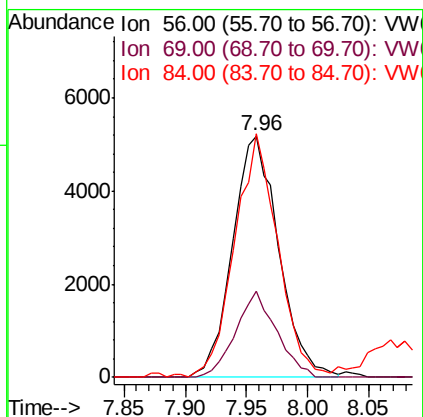
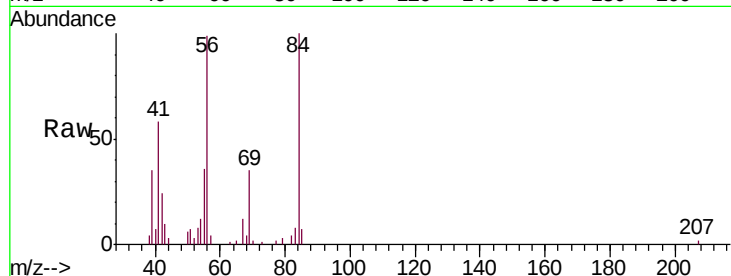




#30
Cyclohexane
Concen: 1.907 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

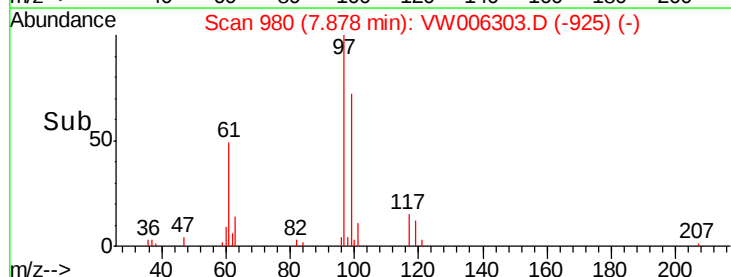
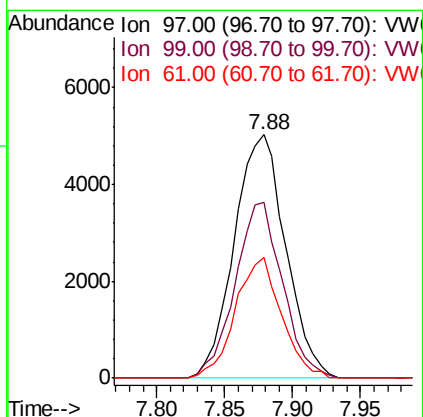
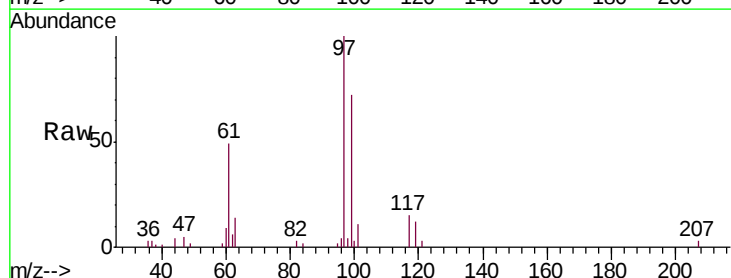
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

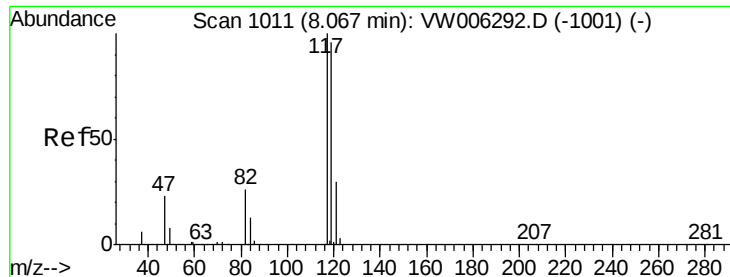
Tgt Ion: 56 Resp: 13543
Ion Ratio Lower Upper
56 100
69 31.6 25.4 38.0
84 94.4 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 1.964 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 97 Resp: 13281
Ion Ratio Lower Upper
97 100
99 66.4 51.0 76.4
61 44.4 33.6 50.4





#32

Carbon tetrachloride

Concen: 1.840 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

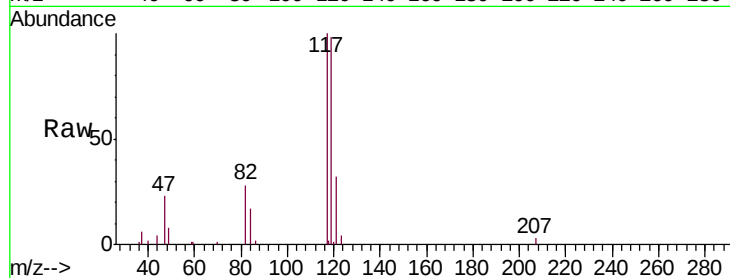
MDL 2 PPB

Tgt Ion:117 Resp: 12203

Ion Ratio Lower Upper

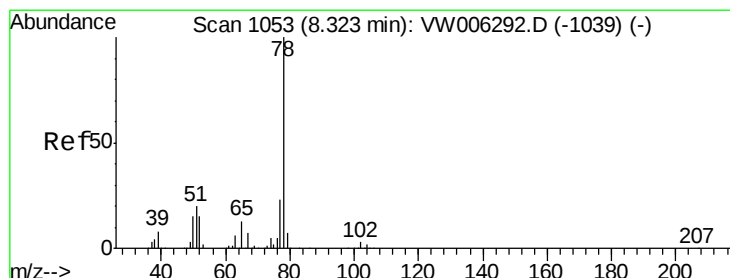
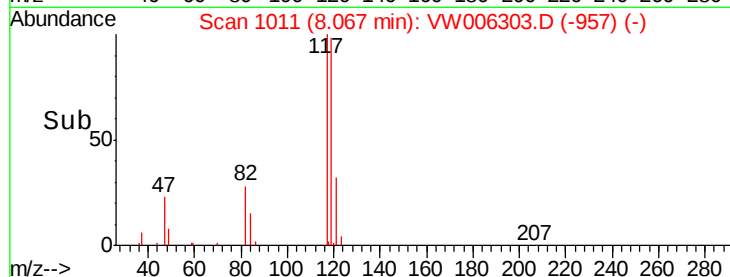
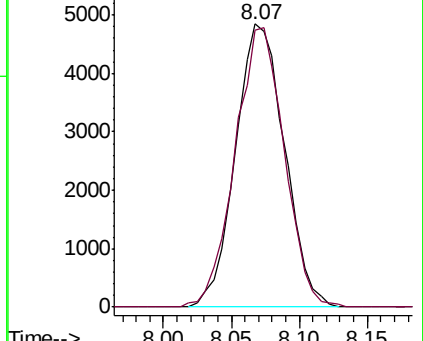
117 100

119 99.0 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: 2.243 ug/L

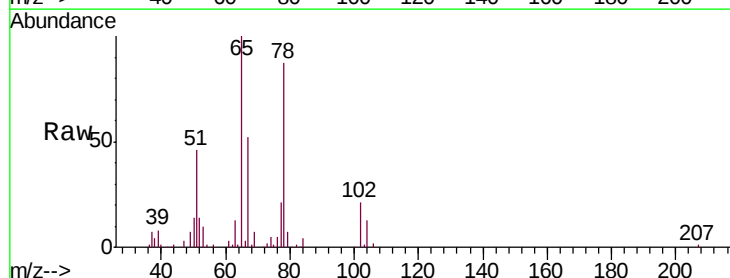
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

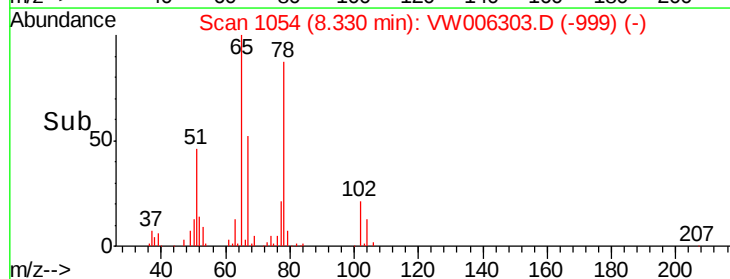
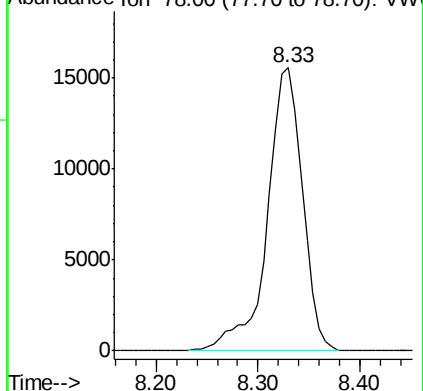
Lab File: VW006303.D

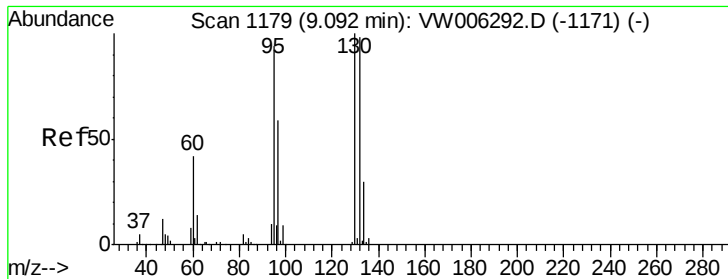
Acq: 23 Oct 2018 18:59

Tgt Ion: 78 Resp: 37211



Abundance Ion 78.00 (77.70 to 78.70): VW

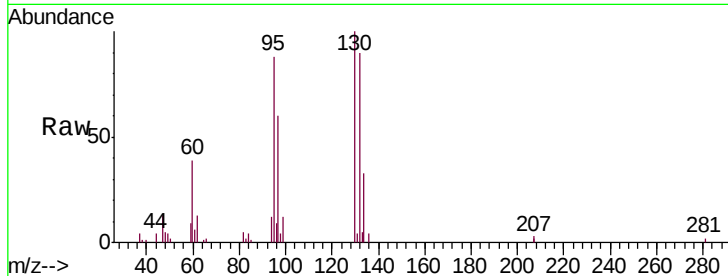




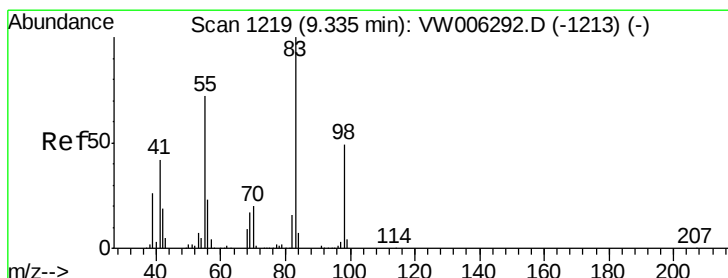
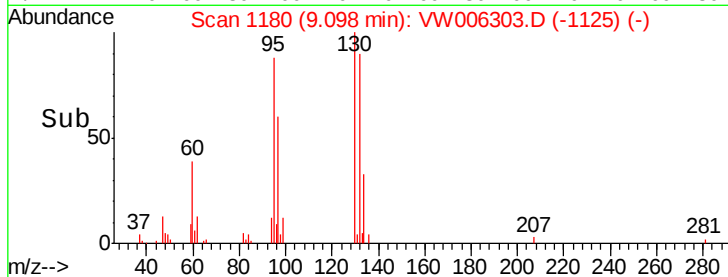
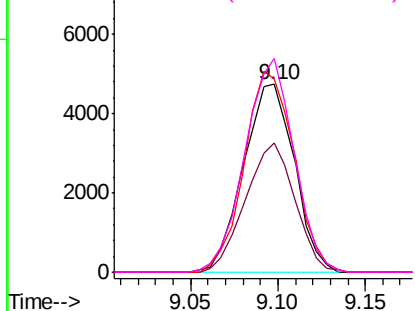
#35
 Trichloroethene
 Concen: 2.060 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampled :
 MDL 2 PPB

Tgt Ion: 95 Resp: 9613
 Ion Ratio Lower Upper
 95 100
 97 66.7 45.8 85.0
 132 104.7 72.9 135.3
 130 109.6 75.8 140.8

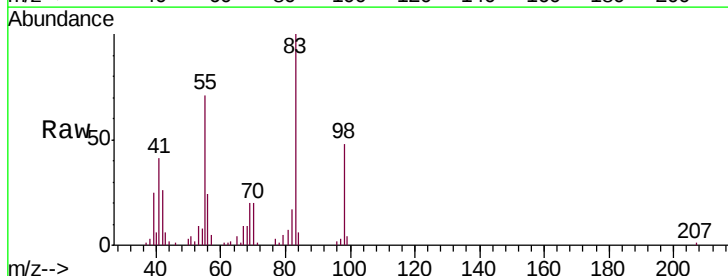


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

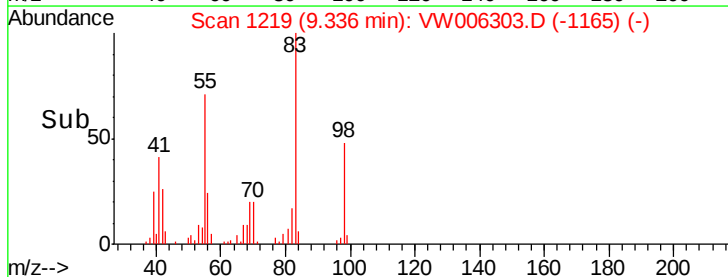
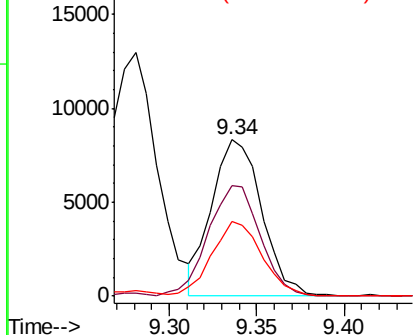


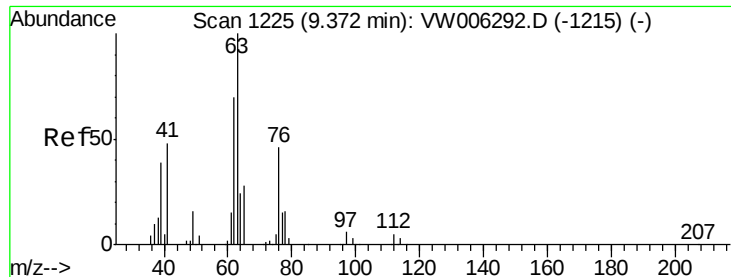
#36
 Methylcyclohexane
 Concen: 1.937 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 83 Resp: 16568
 Ion Ratio Lower Upper
 83 100
 55 73.4 57.1 85.7
 98 47.9 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

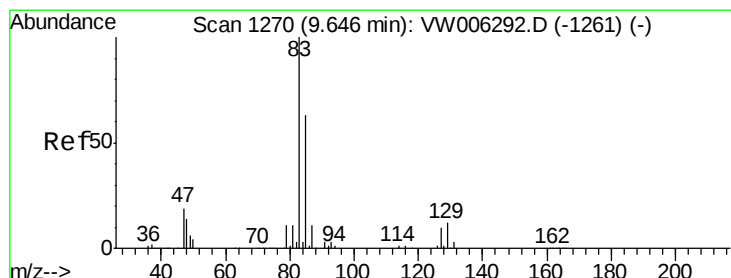
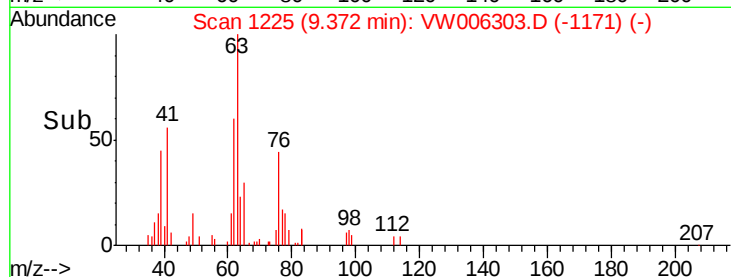
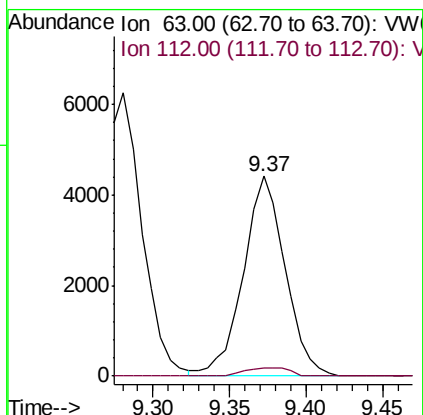
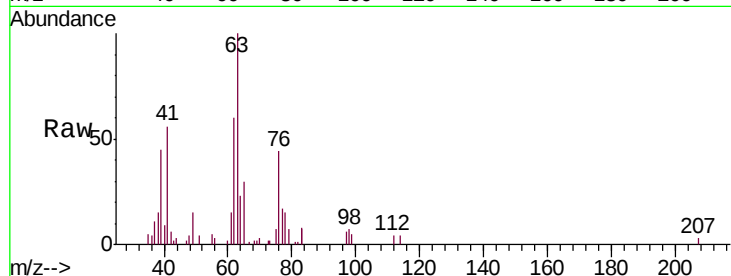




#40
 1,2-Dichloropropane
 Concen: 2.046 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

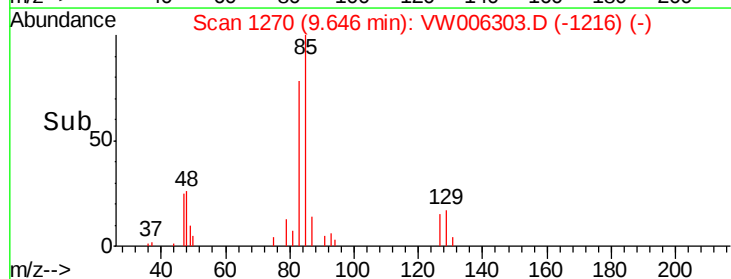
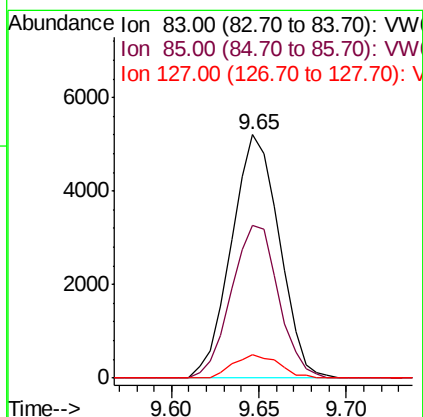
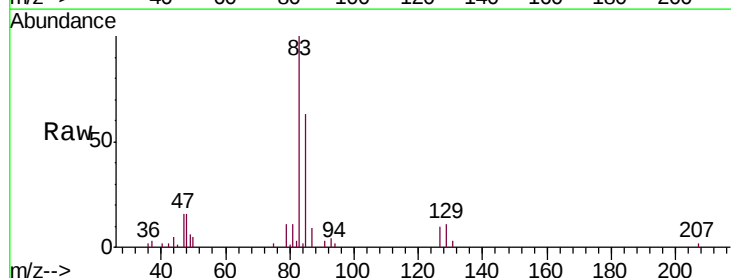
Instrument :
 MSVOA_W
 ClientSampled :
 MDL 2 PPB

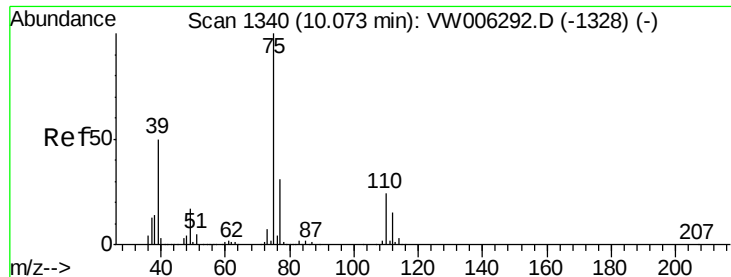
Tgt Ion: 63 Resp: 8418
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 1.783 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 83 Resp: 9910
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.5 84.5
 127 9.6 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 1.778 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

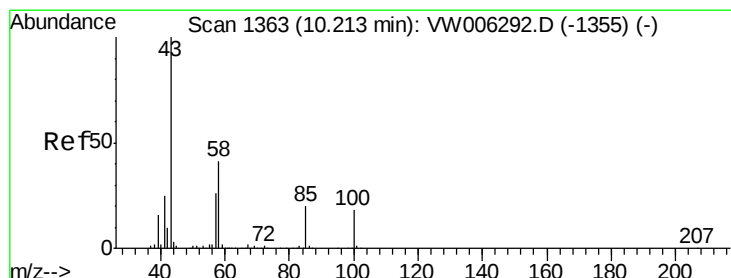
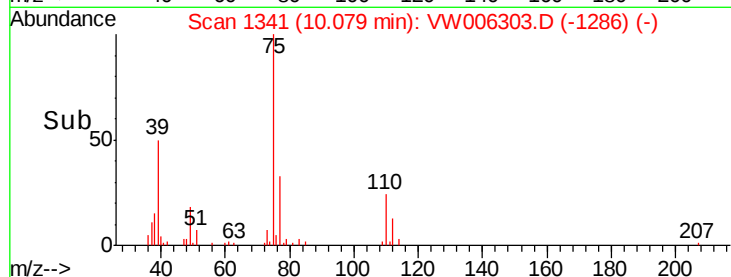
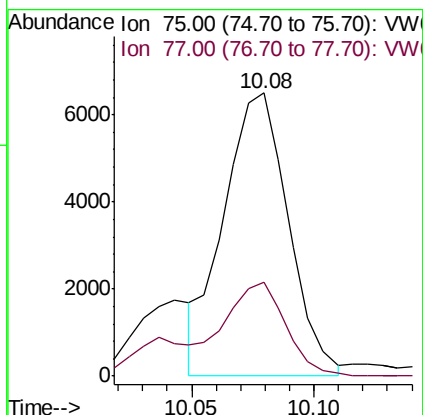
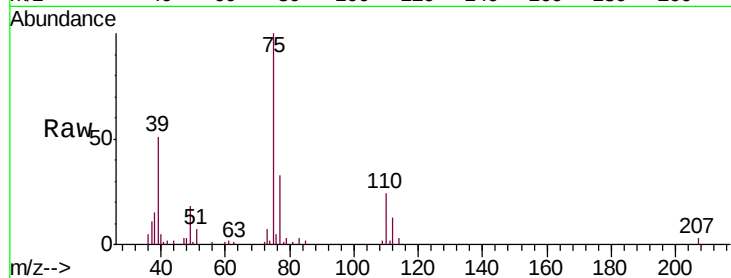
MDL 2 PPB

Tgt Ion: 75 Resp: 11952

Ion Ratio Lower Upper

75 100

77 33.0 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 3.422 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

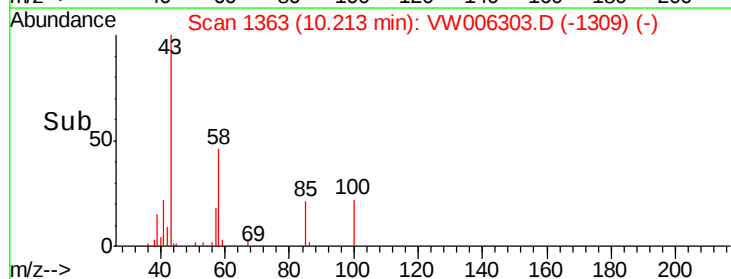
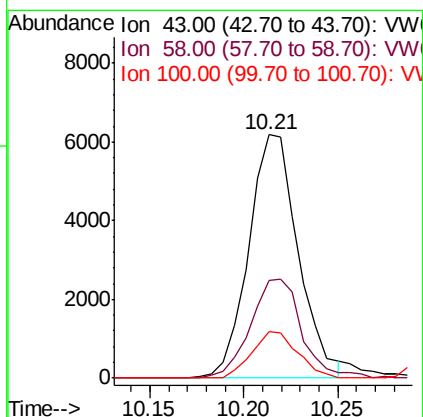
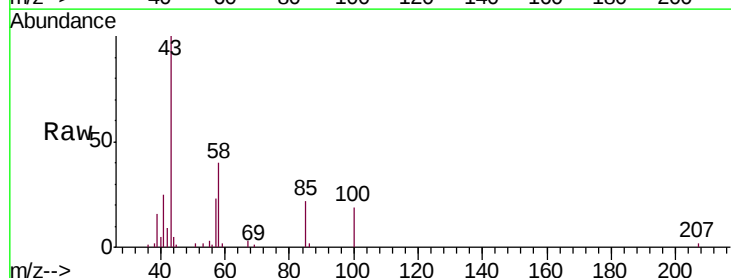
Tgt Ion: 43 Resp: 11283

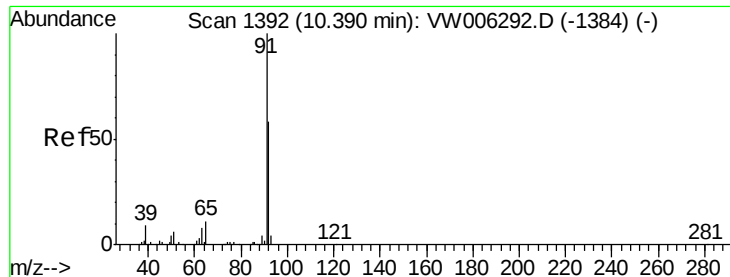
Ion Ratio Lower Upper

43 100

58 41.7 31.4 47.2

100 17.6 13.3 19.9





#44

Toluene

Concen: 2.104 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

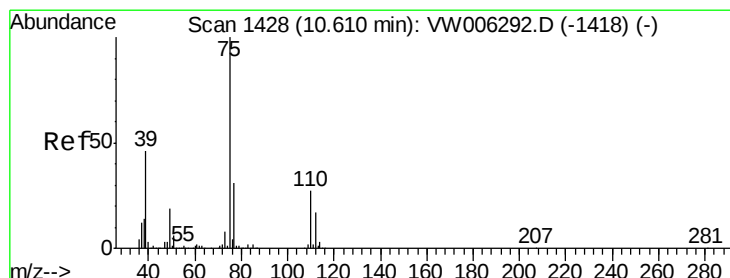
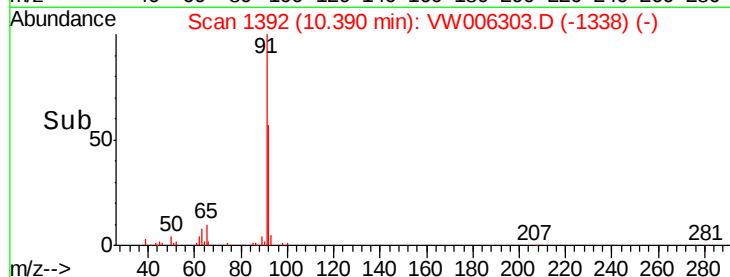
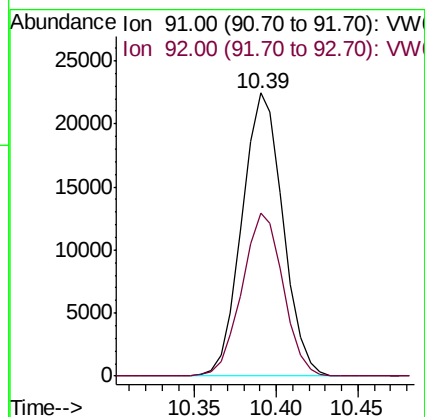
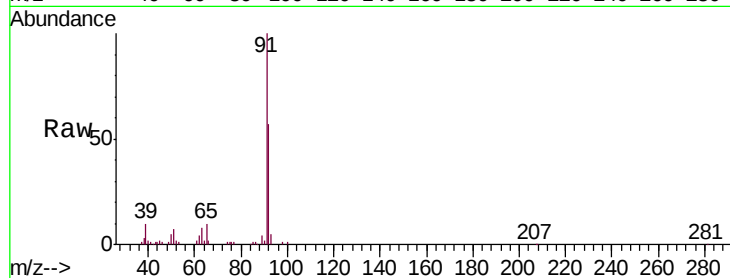
MDL 2 PPB

Tgt Ion: 91 Resp: 39198

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 2.078 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006303.D

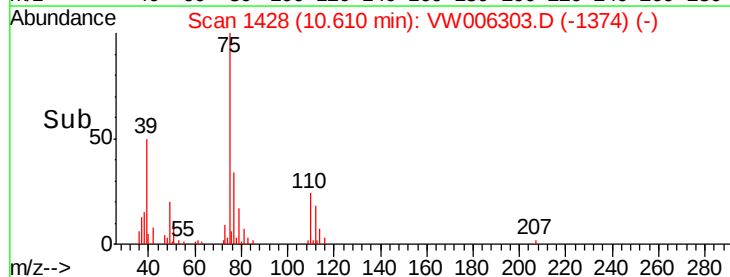
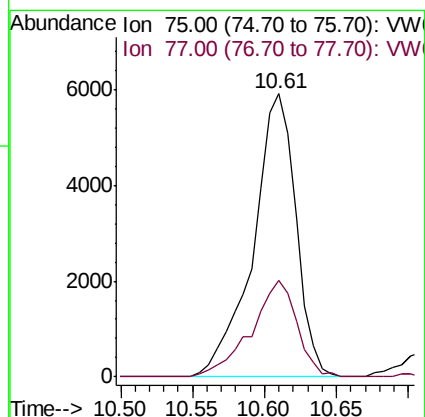
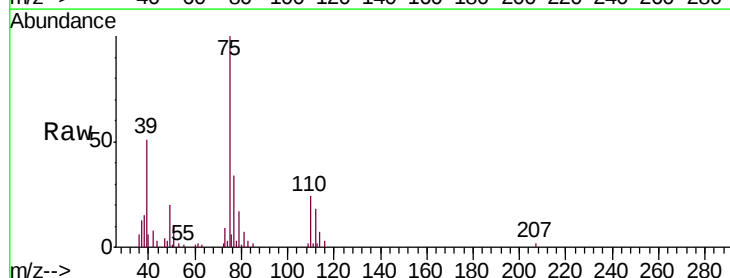
Acq: 23 Oct 2018 18:59

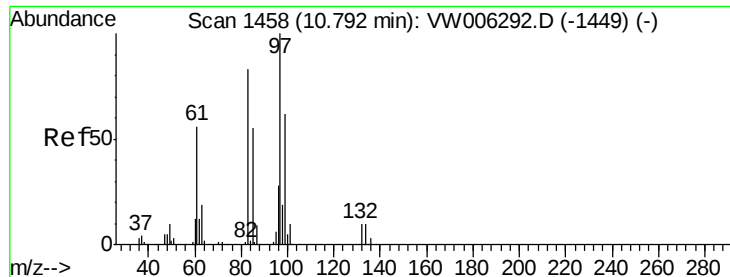
Tgt Ion: 75 Resp: 12201

Ion Ratio Lower Upper

75 100

77 34.0 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 2.085 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 97 Resp: 7144

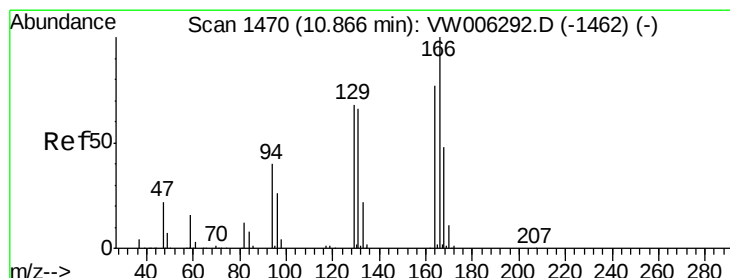
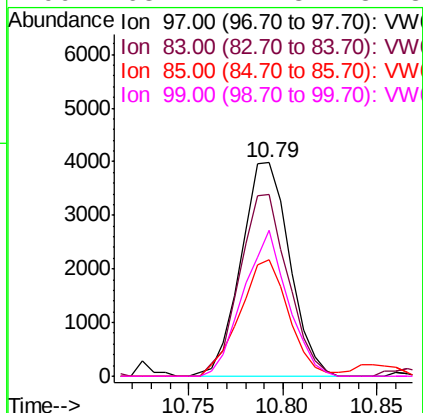
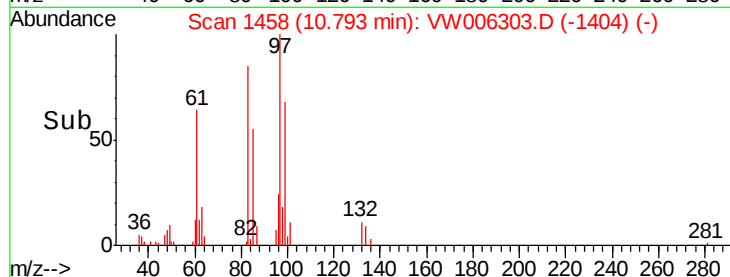
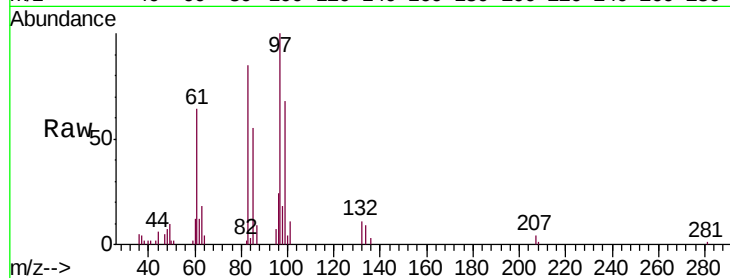
Ion Ratio Lower Upper

97 100

83 85.4 60.0 111.4

85 54.6 38.7 71.9

99 68.1 44.3 82.3



#47

Tetrachloroethene

Concen: 2.099 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Tgt Ion: 164 Resp: 9069

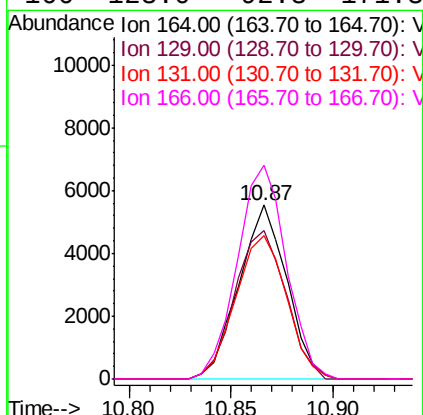
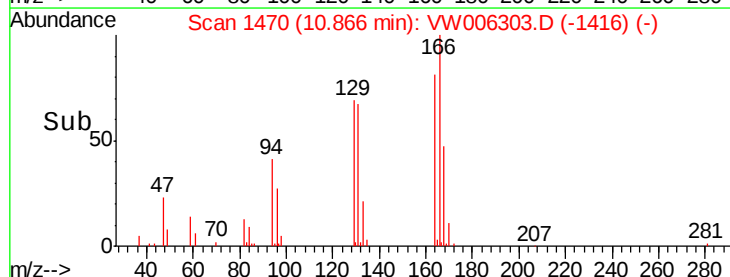
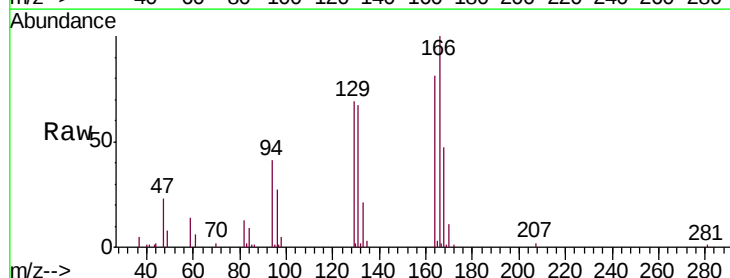
Ion Ratio Lower Upper

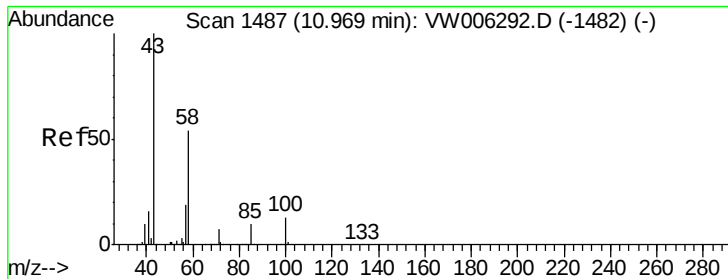
164 100

129 85.2 65.4 121.4

131 82.4 63.8 118.4

166 123.0 92.3 171.3

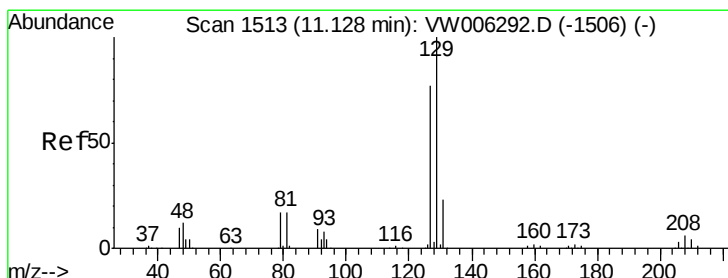
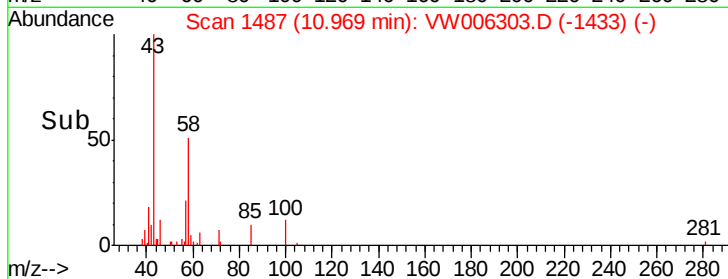
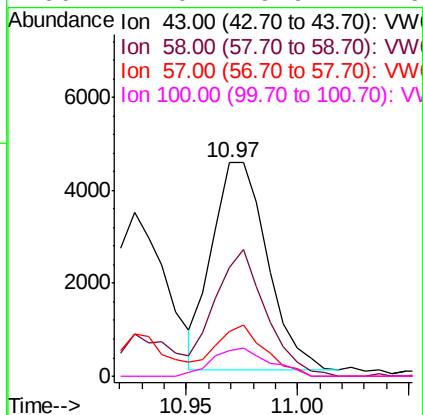
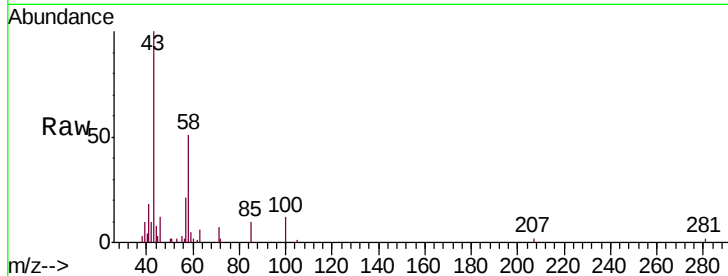




#49
2-Hexanone
Concen: 3.176 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

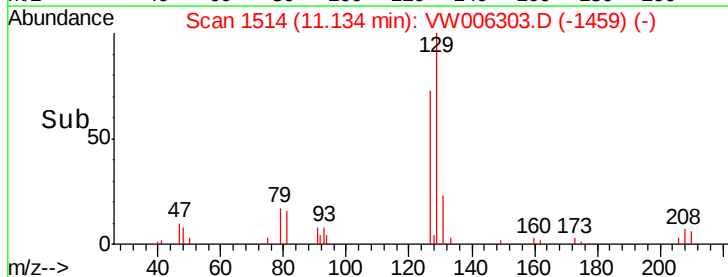
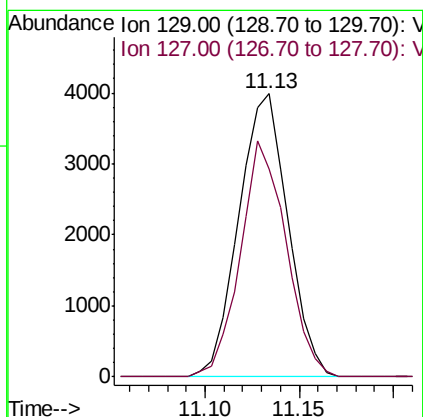
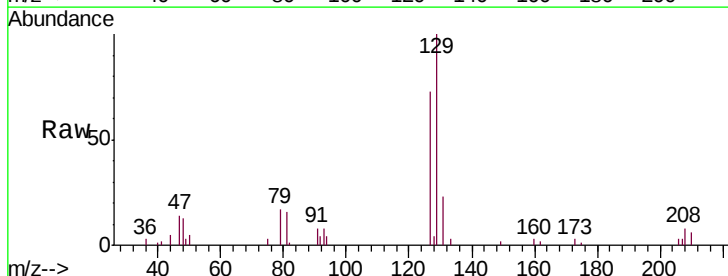
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

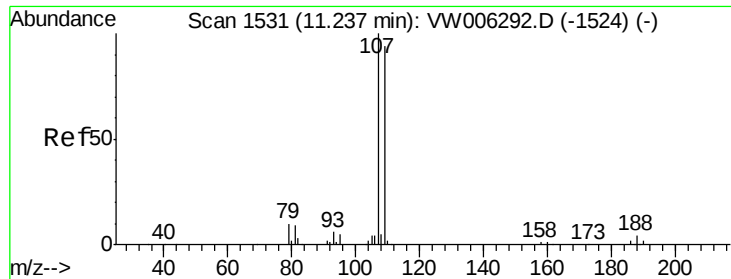
Tgt Ion: 43 Resp: 7719
Ion Ratio Lower Upper
43 100
58 56.4 42.1 63.1
57 22.1 15.1 22.7
100 14.0 9.9 14.9



#50
Dibromochloromethane
Concen: 1.643 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion: 129 Resp: 7216
Ion Ratio Lower Upper
129 100
127 73.4 54.4 101.0

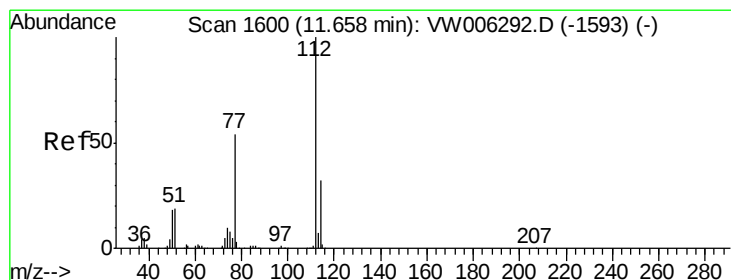
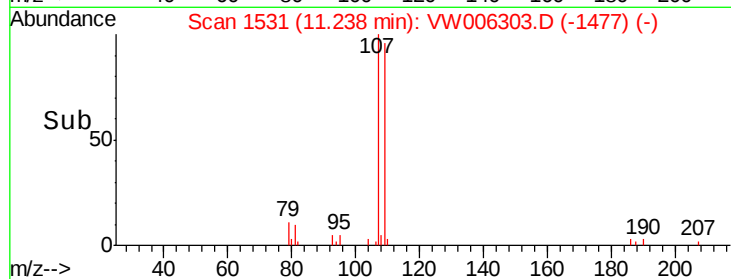
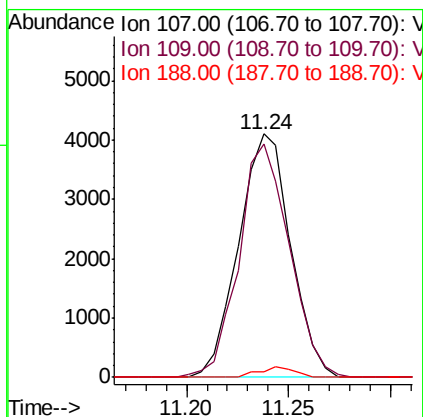
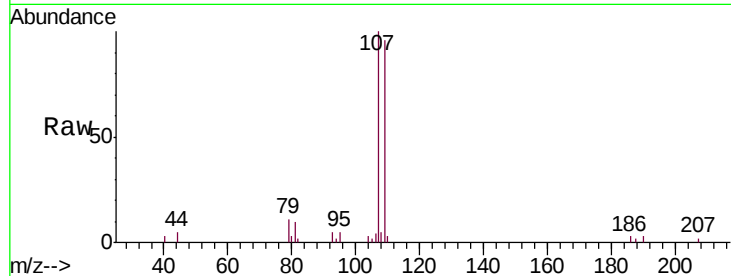




#51
1,2-Dibromoethane
Concen: 2.035 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

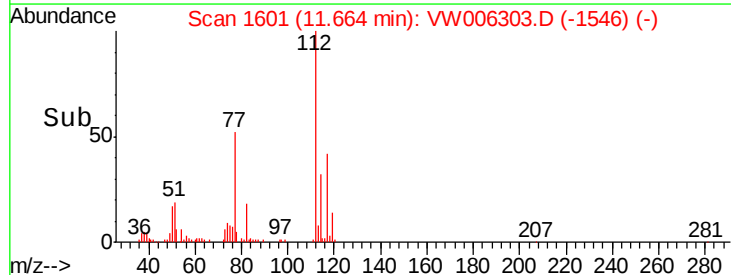
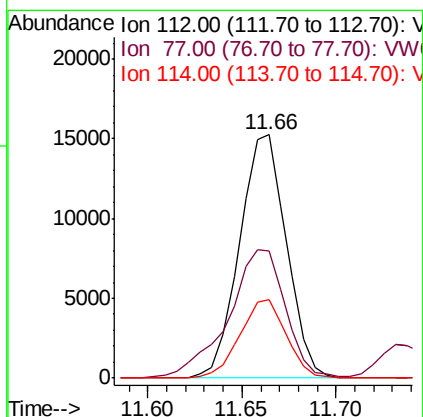
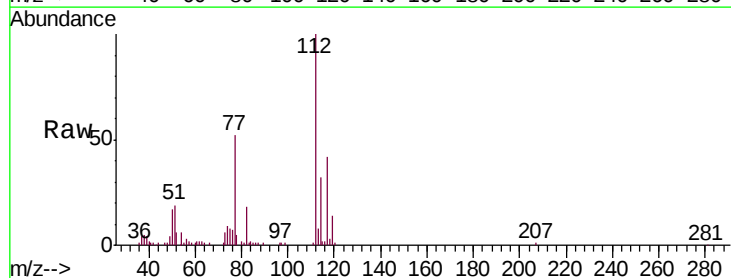
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

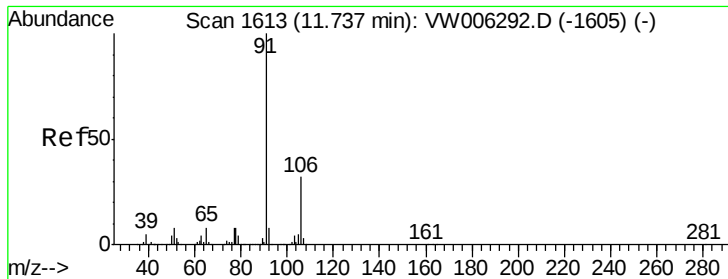
Tgt Ion:107 Resp: 7260
Ion Ratio Lower Upper
107 100
109 96.1 66.6 123.8
188 2.2 3.4 5.0#



#52
Chlorobenzene
Concen: 2.085 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006303.D
Acq: 23 Oct 2018 18:59

Tgt Ion:112 Resp: 26288
Ion Ratio Lower Upper
112 100
77 52.1 44.2 66.2
114 32.2 22.1 41.1





#53

Ethylbenzene

Concen: 1.965 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

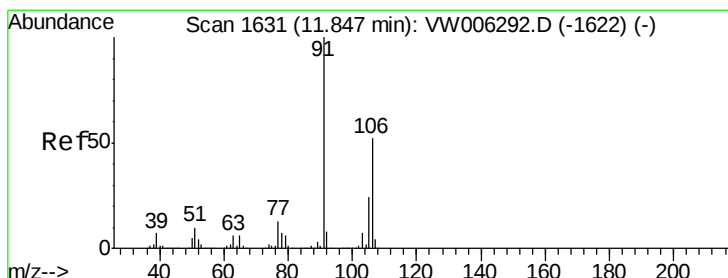
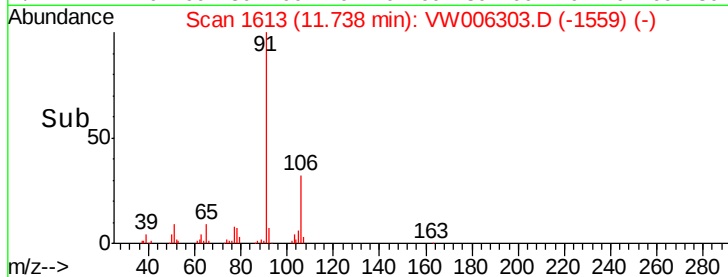
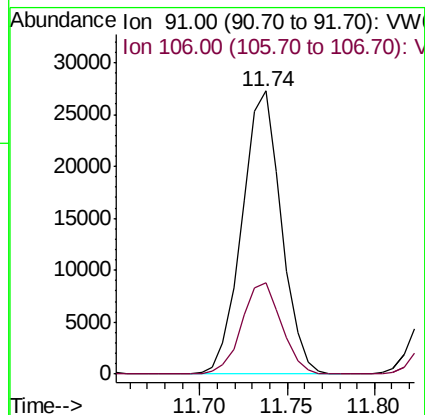
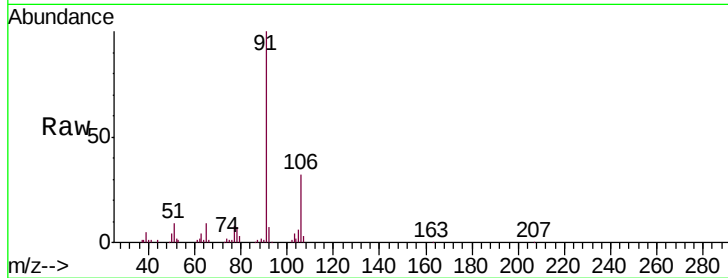
MDL 2 PPB

Tgt Ion: 91 Resp: 42605

Ion Ratio Lower Upper

91 100

106 32.4 22.6 42.0



#54

m,p-Xylene

Concen: 1.910 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006303.D

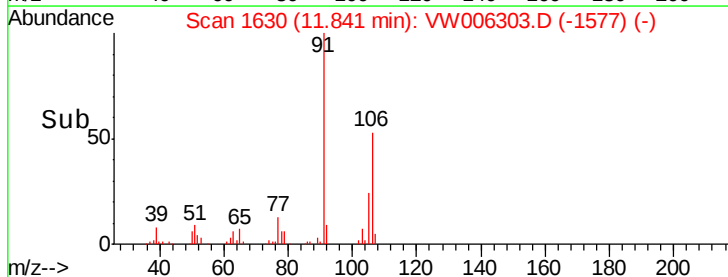
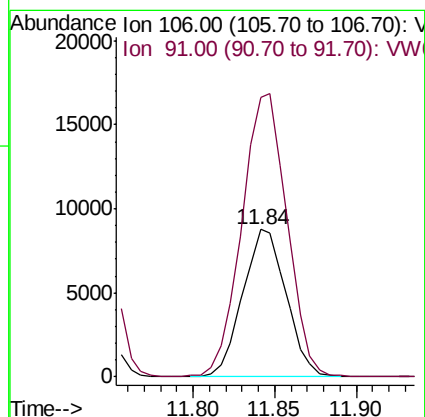
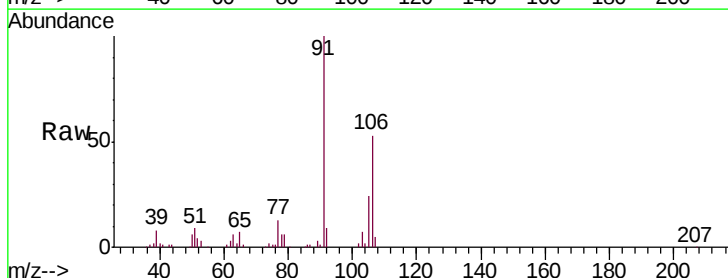
Acq: 23 Oct 2018 18:59

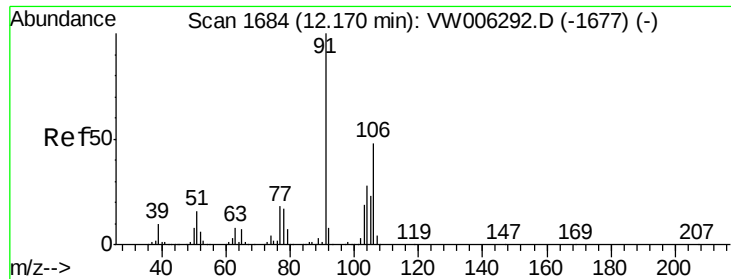
Tgt Ion: 106 Resp: 16231

Ion Ratio Lower Upper

106 100

91 189.7 138.4 257.0





#55

o-xylene

Concen: 1.883 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampled :

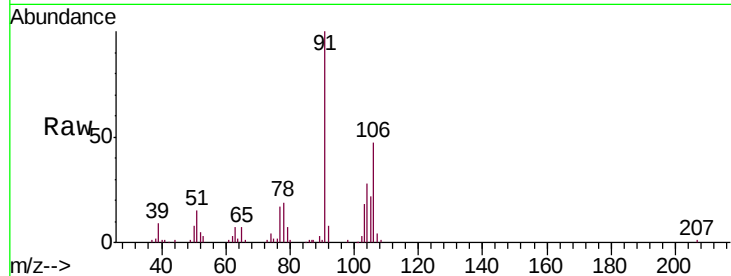
MDL 2 PPB

Tgt Ion:106 Resp: 15284

Ion Ratio Lower Upper

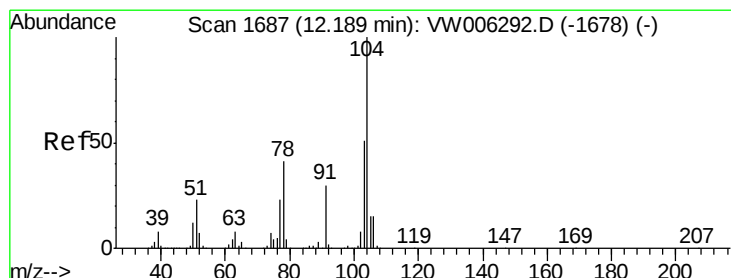
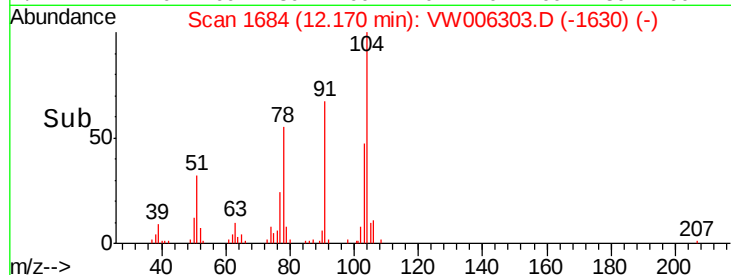
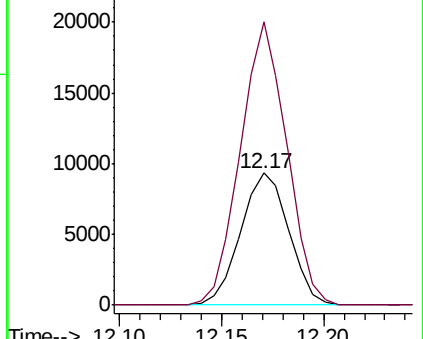
106 100

91 214.8 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.782 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW006303.D

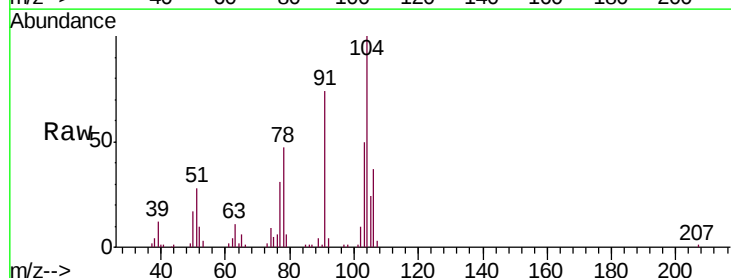
Acq: 23 Oct 2018 18:59

Tgt Ion:104 Resp: 24904

Ion Ratio Lower Upper

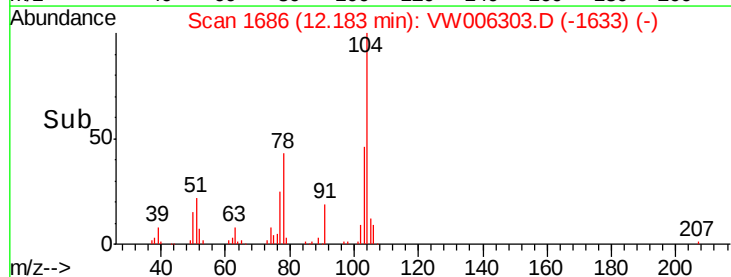
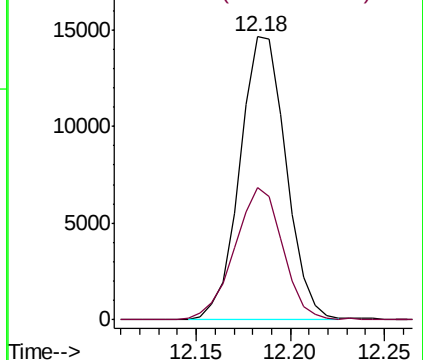
104 100

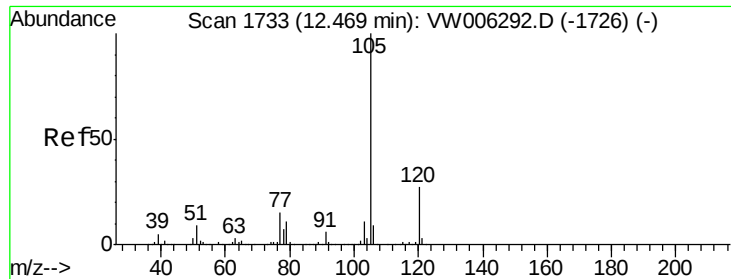
78 46.5 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.854 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

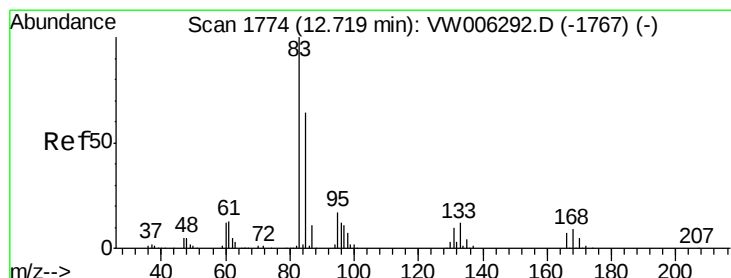
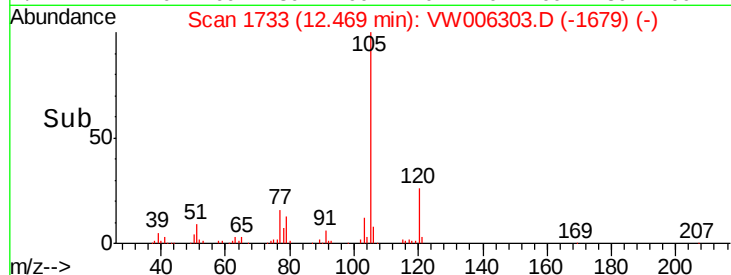
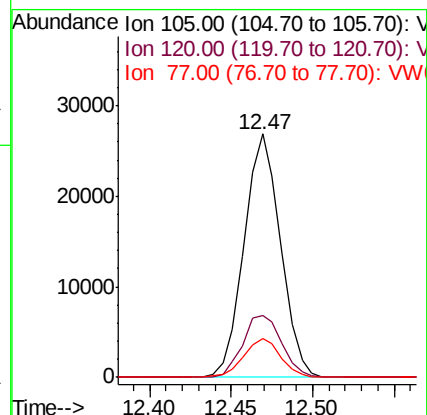
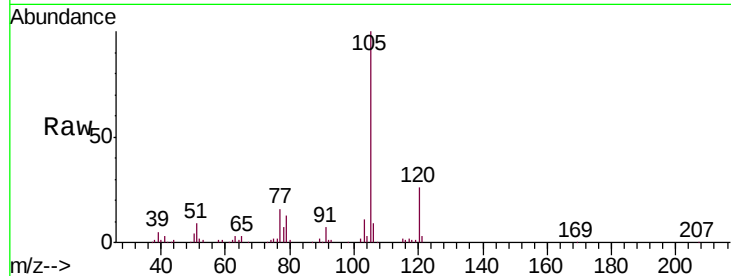
Tgt Ion: 105 Resp: 41866

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: 2.119 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

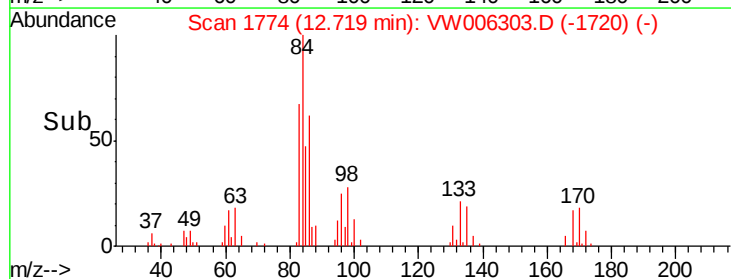
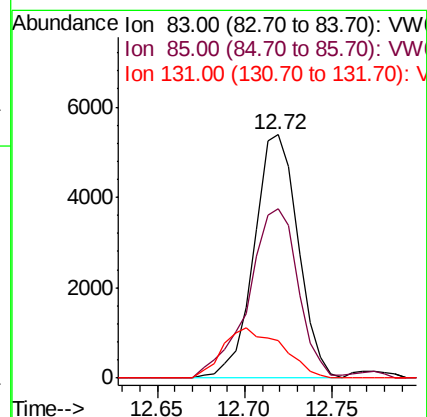
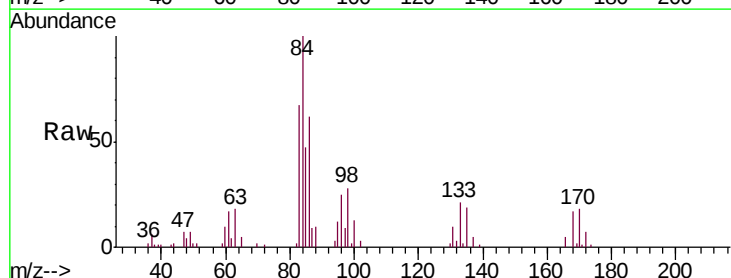
Tgt Ion: 83 Resp: 9437

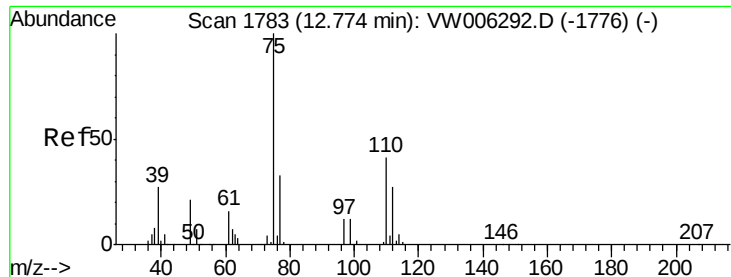
Ion Ratio Lower Upper

83 100

85 69.6 44.8 83.2

131 15.2 9.0 13.4#





#59

1,2,3-Trichloropropane

Concen: 2.090 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

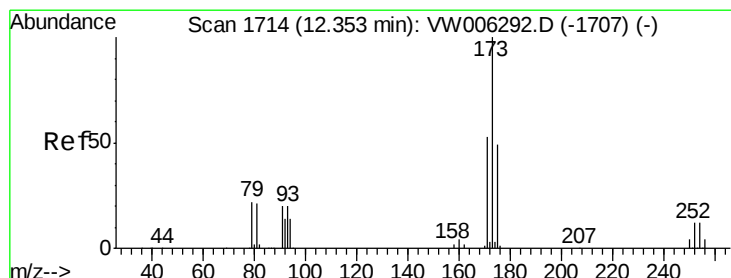
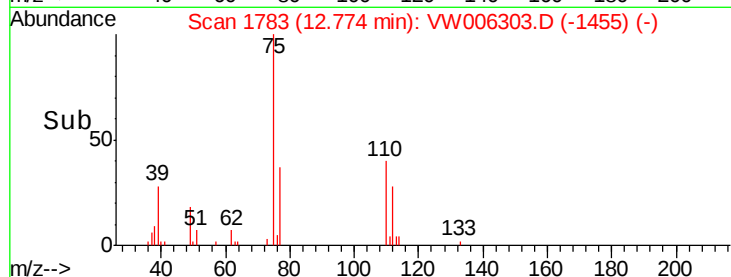
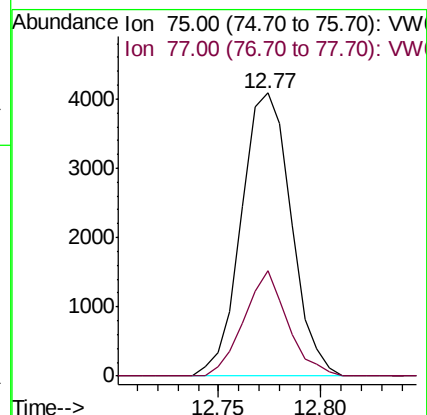
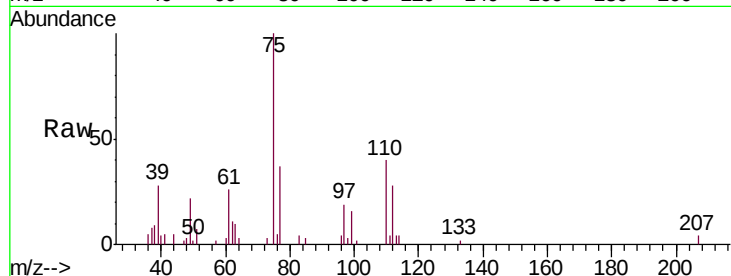
MDL 2 PPB

Tgt Ion: 75 Resp: 6945

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 1.546 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

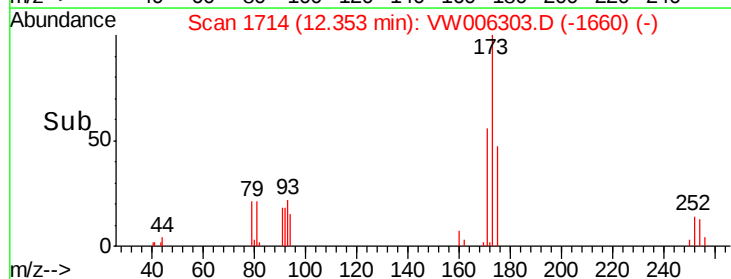
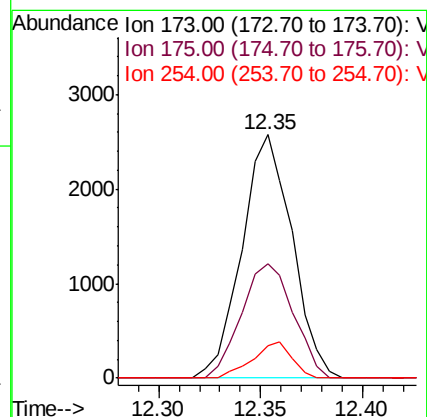
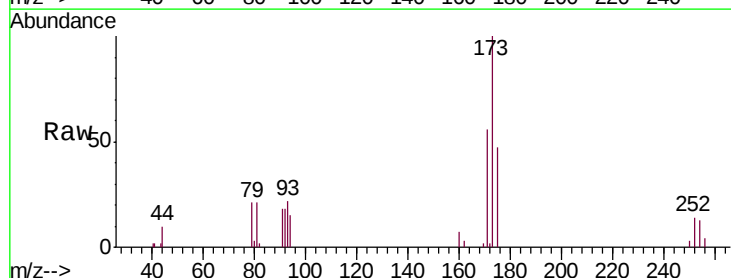
Tgt Ion: 173 Resp: 4399

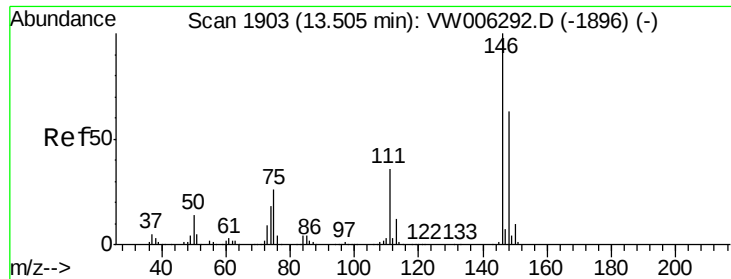
Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 11.7 9.2 13.8

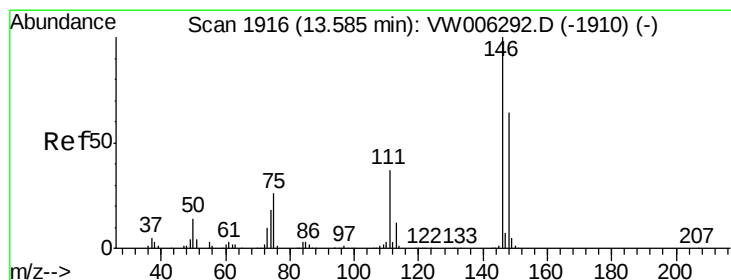
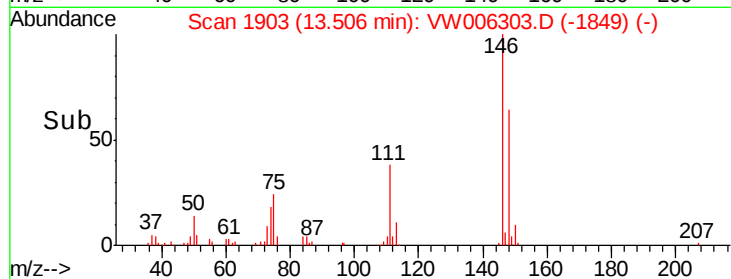
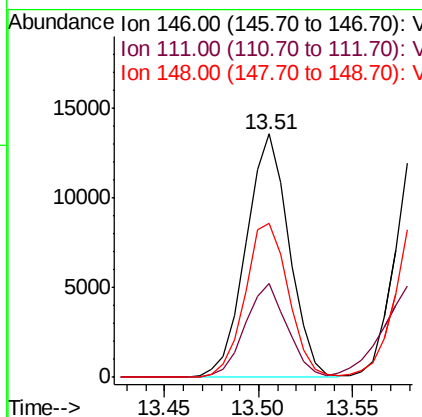
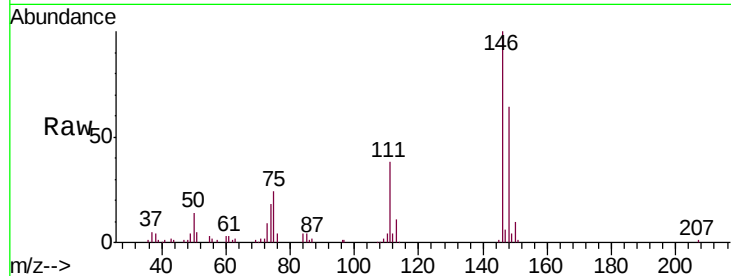




#63
 1,3-Dichlorobenzene
 Concen: 2.063 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

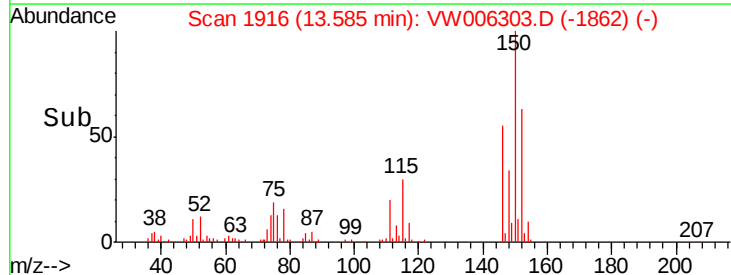
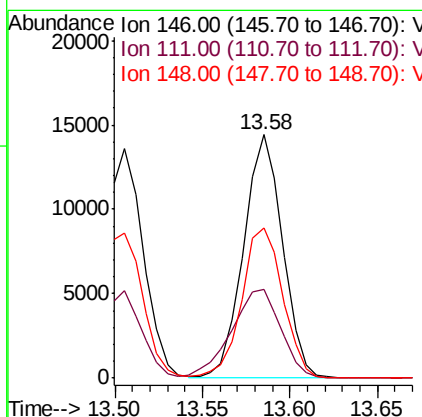
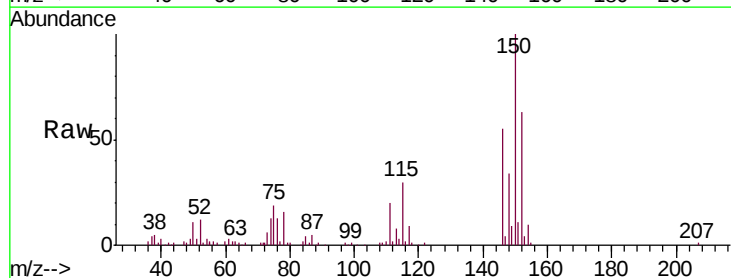
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

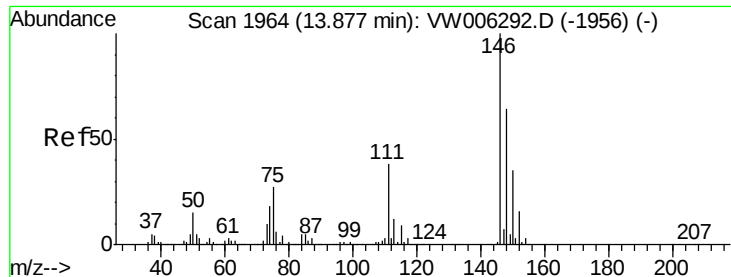
Tgt Ion:146 Resp: 21516
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.3 48.9
 148 63.5 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion:146 Resp: 22357
 Ion Ratio Lower Upper
 146 100
 111 36.5 24.7 45.9
 148 61.8 44.9 83.5

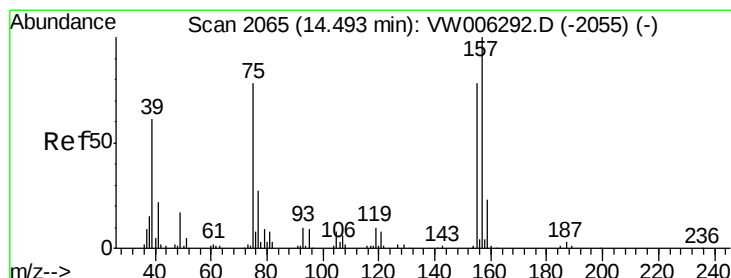
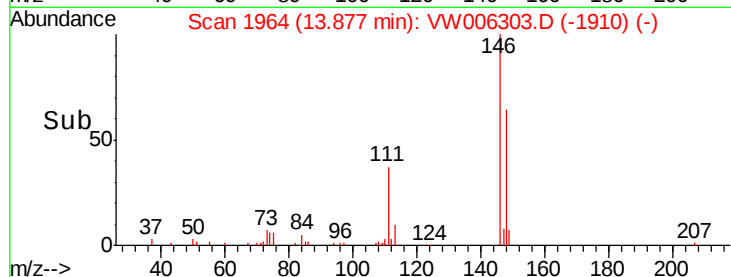
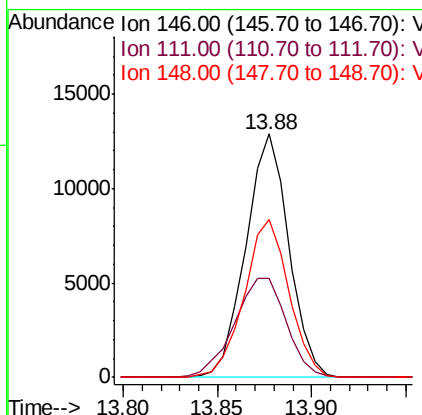
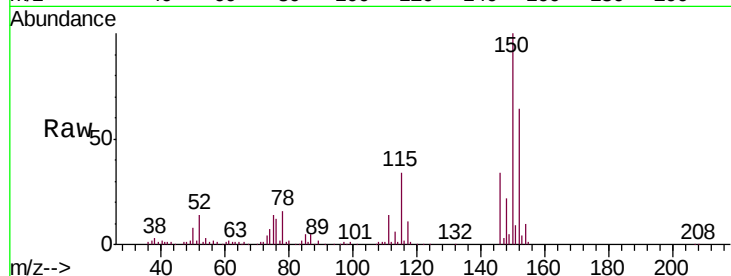




#65
 1,2-Dichlorobenzene
 Concen: 2.128 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

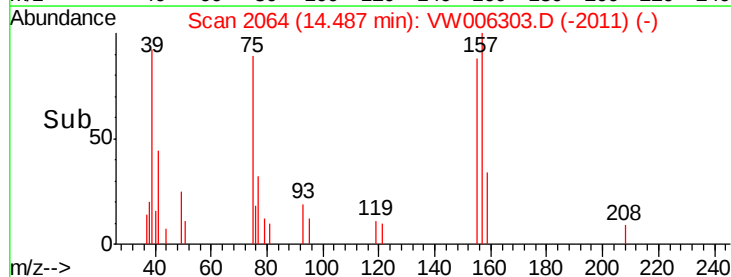
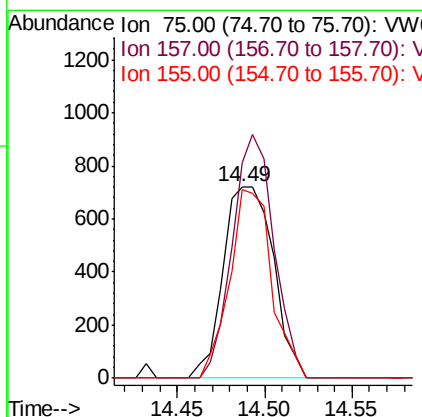
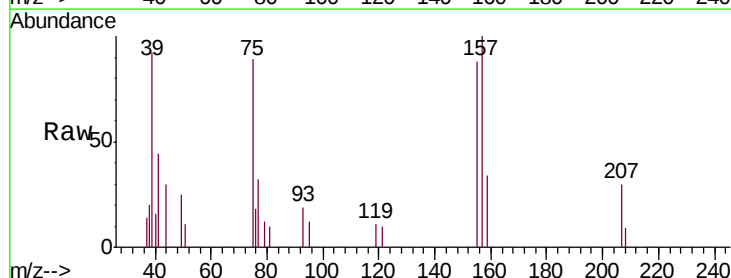
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

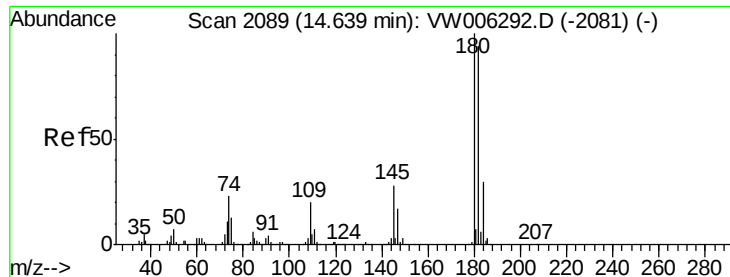
Tgt Ion:146 Resp: 20419
 Ion Ratio Lower Upper
 146 100
 111 40.8 31.1 46.7
 148 64.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.855 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion: 75 Resp: 1433
 Ion Ratio Lower Upper
 75 100
 157 112.2 106.8 160.2
 155 98.3 79.2 118.8

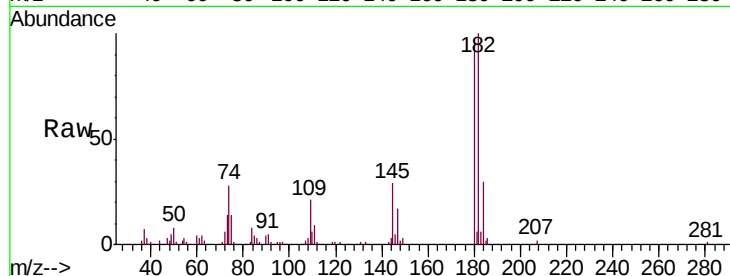




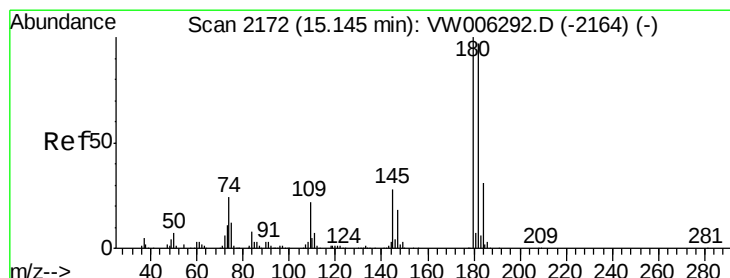
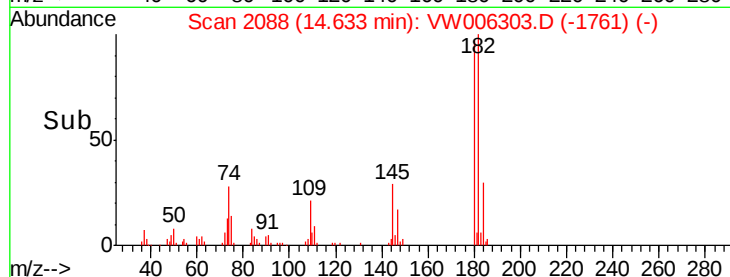
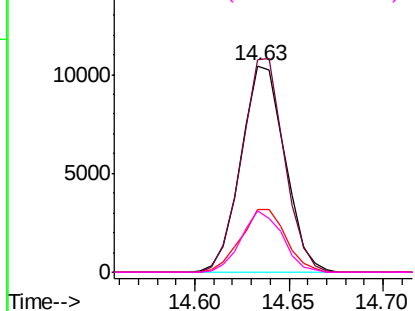
#67
 1,3,5-Trichlorobenzene
 Concen: 2.013 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Tgt Ion:180 Resp: 16929
 Ion Ratio Lower Upper
 180 100
 182 100.3 76.0 114.0
 184 31.3 24.3 36.5
 145 27.9 22.6 33.8

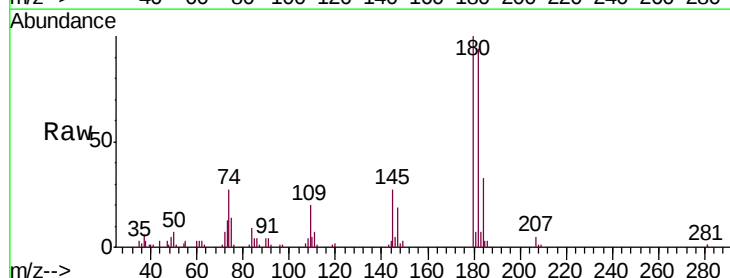


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

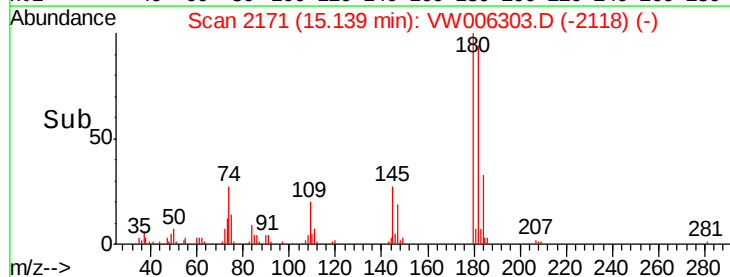
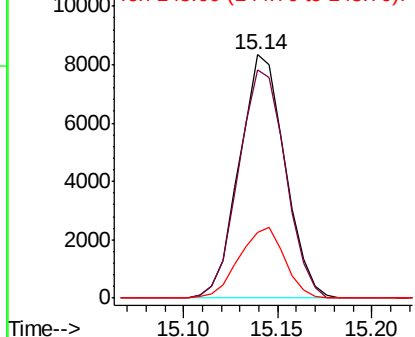


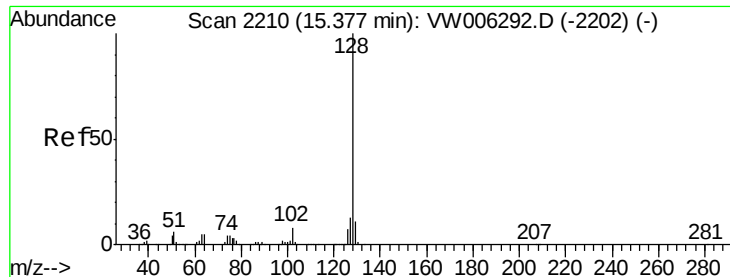
#68
 1,2,4-trichlorobenzene
 Concen: 1.958 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006303.D
 Acq: 23 Oct 2018 18:59

Tgt Ion:180 Resp: 14040
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.2
 145 28.8 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: 1.773 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

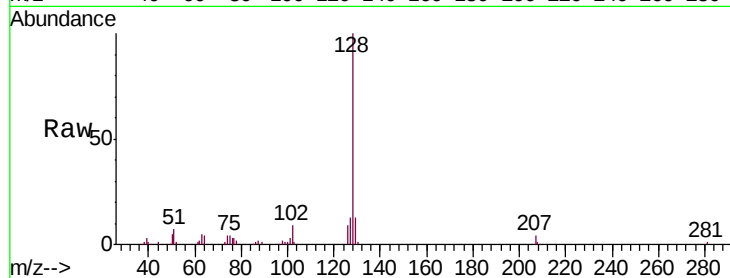
Tgt Ion:128 Resp: 25740

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

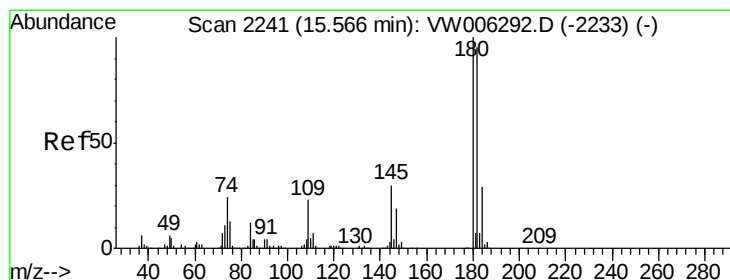
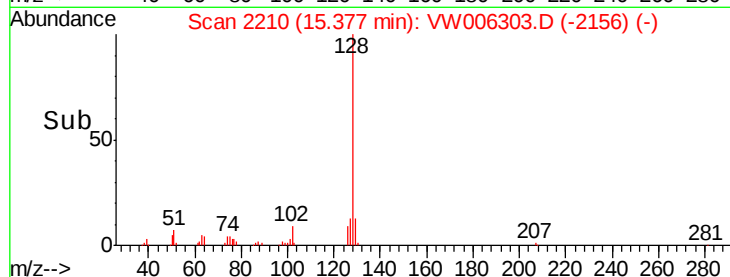
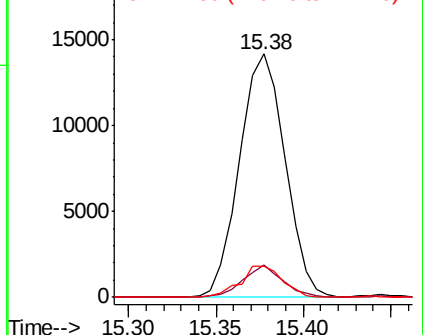
127 11.9 10.5 15.7



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: 1.978 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006303.D

Acq: 23 Oct 2018 18:59

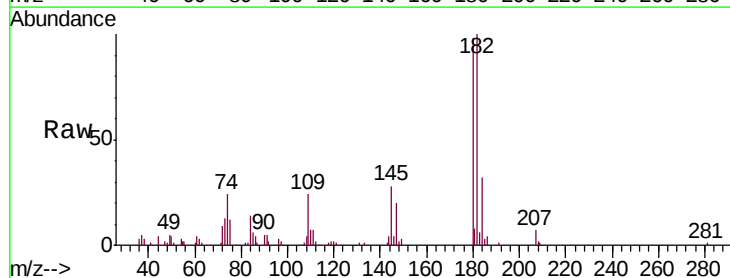
Tgt Ion:180 Resp: 12742

Ion Ratio Lower Upper

180 100

182 97.9 75.5 113.3

145 30.1 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

