

Data File : VW006298.D
Acq On : 23 Oct 2018 15:58
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL

Quant Time: Oct 24 02:04:10 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	376300	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360301	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	189476	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	85507	20.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.60%
7) Chloroethane-d5	2.90	69	81695	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	4.01	63	138004	16.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.72%
20) 2-Butanone-d5	7.08	46	60679	43.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.28%
24) Chloroform-d	7.65	84	196678	24.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	8.31	65	114952	25.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.96%
29) Benzene-d6	8.28	84	401203	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	9.28	67	116835	23.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.68%
37) Toluene-d8	10.33	98	395032	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.60%
38) trans-1,3-Dichloropropene-	10.58	79	48104	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.20%
39) 2-Hexanone-d5	10.93	63	50316	42.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110146	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	167741	25.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4552	1.280 ug/L	99
3) Chloromethane	2.21	50	5048	1.445 ug/L	90
5) Vinyl chloride	2.37	62	6632	1.178 ug/L #	67
6) Bromomethane	2.78	94	5012	1.143 ug/L	100
8) Chloroethane	2.93	64	3767	1.092 ug/L	94
9) Trichlorofluoromethane	3.27	101	5242	1.164 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	6675	1.482 ug/L #	63
12) 1,1-Dichloroethene	4.03	96	2996	0.693 ug/L #	1
13) Acetone	4.12	43	4486	3.157 ug/L	69
14) Carbon disulfide	4.38	76	13774	0.975 ug/L	97
15) Methyl Acetate	4.67	43	1726	0.750 ug/L	93
16) Methylene chloride	4.92	84	13219	2.721 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	8151	1.159 ug/L #	82
18) trans-1,2-Dichloroethene	5.43	96	5572	1.165 ug/L	90
19) 1,1-Dichloroethane	6.21	63	8754	1.131 ug/L	97
21) 2-Butanone	7.18	43	4954	2.624 ug/L #	69
22) cis-1,2-Dichloroethene	7.17	96	6225	1.193 ug/L	89

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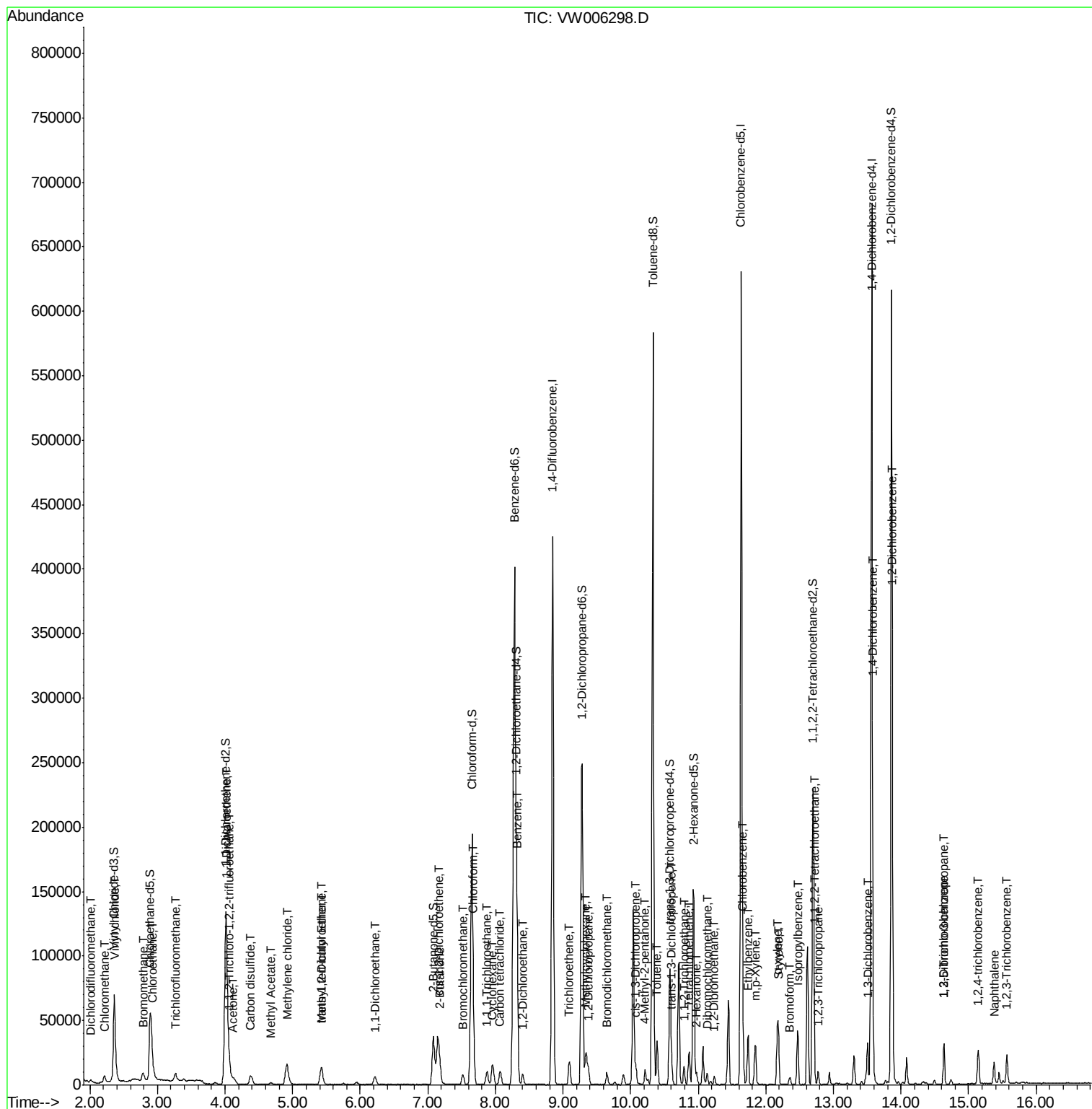
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	2823	1.150	ug/L	96
25) Chloroform	7.68	83	10987	1.319	ug/L	81
27) 1,2-Dichloroethane	8.41	62	7224	1.272	ug/L #	91
30) Cyclohexane	7.96	56	8151	1.029	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	8230	1.092	ug/L	98
32) Carbon tetrachloride	8.07	117	7836	1.060	ug/L	98
34) Benzene	8.32	78	21925	1.185	ug/L	100
35) Trichloroethene	9.09	95	5941	1.142	ug/L	97
36) Methylcyclohexane	9.34	83	10114	1.061	ug/L	98
40) 1,2-Dichloropropane	9.38	63	5276	1.150	ug/L	99
41) Bromodichloromethane	9.65	83	6226	1.005	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	7158	0.955	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	7382	2.008	ug/L	98
44) Toluene	10.39	91	25446	1.225	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	8460	1.292	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	4631	1.212	ug/L	93
47) Tetrachloroethene	10.87	164	5430	1.127	ug/L	88
49) 2-Hexanone	10.98	43	5202	1.920	ug/L	98
50) Dibromochloromethane	11.13	129	4567	0.933	ug/L	98
51) 1,2-Dibromoethane	11.24	107	4323	1.087	ug/L	99
52) Chlorobenzene	11.66	112	16391	1.166	ug/L	93
53) Ethylbenzene	11.74	91	26681	1.103	ug/L	97
54) m,p-Xylene	11.85	106	10184	1.075	ug/L	96
55) o-xylene	12.17	106	9391	1.038	ug/L	98
56) Styrene	12.19	104	15648	1.004	ug/L	90
57) Isopropylbenzene	12.47	105	25740	1.022	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	5852	1.179	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	4134	1.116	ug/L	98
62) Bromoform	12.35	173	2676	0.843	ug/L #	98
63) 1,3-Dichlorobenzene	13.51	146	13333	1.146	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	14032	1.198	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	12991	1.214	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.63	75	1773	2.058	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.64	180	10705	1.141	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	9066	1.134	ug/L	99
69) Naphthalene	15.38	128	15351	0.948	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	8194	1.140	ug/L	100

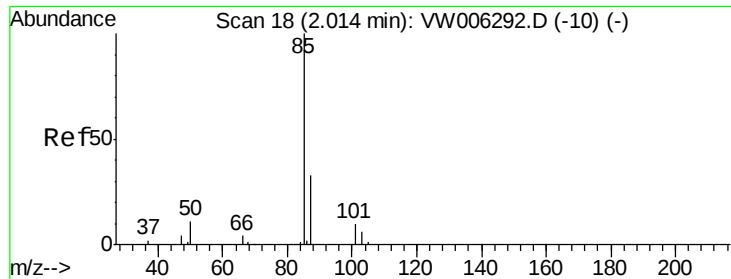
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.280 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

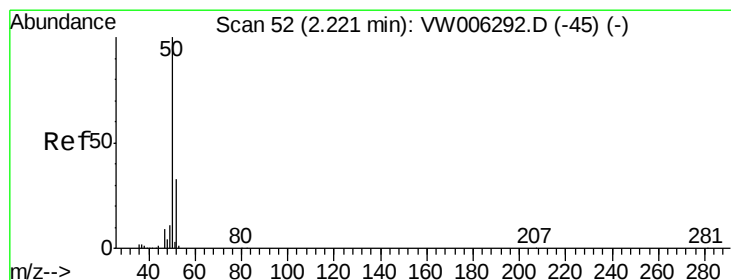
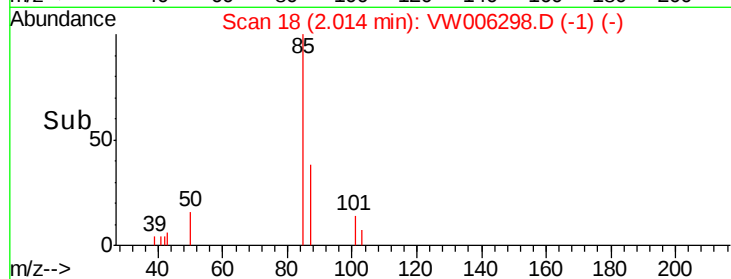
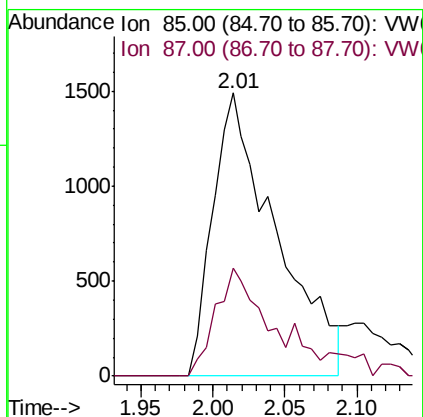
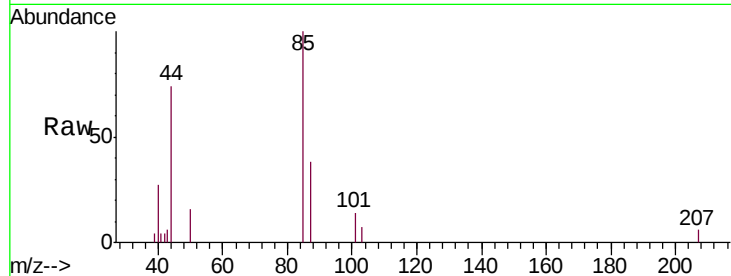
MDL

Tgt Ion: 85 Resp: 4552

Ion Ratio Lower Upper

85 100

87 28.0 19.2 35.6



#3

Chloromethane

Concen: 1.445 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006298.D

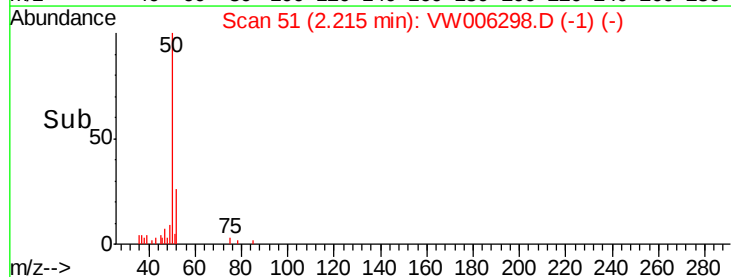
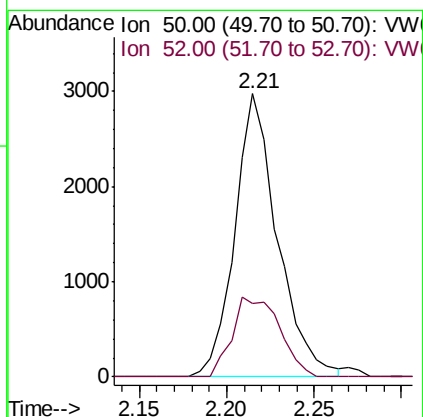
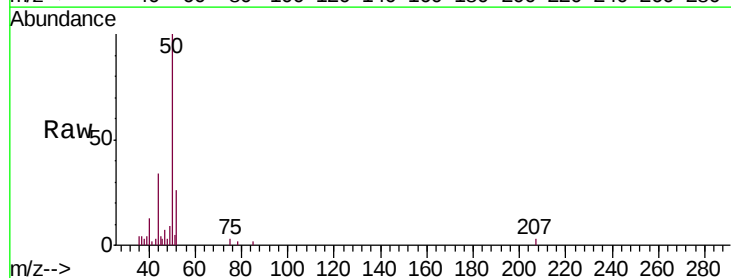
Acq: 23 Oct 2018 15:58

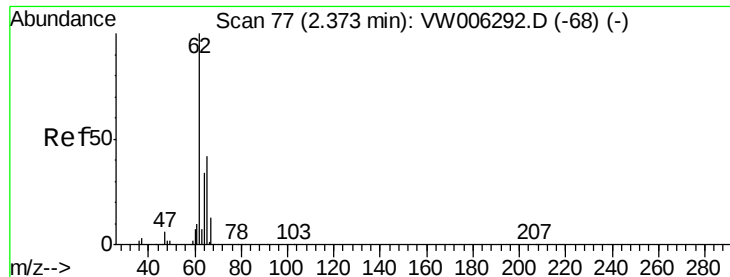
Tgt Ion: 50 Resp: 5048

Ion Ratio Lower Upper

50 100

52 26.1 22.3 41.3





#5

Vinyl chloride

Concen: 1.178 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

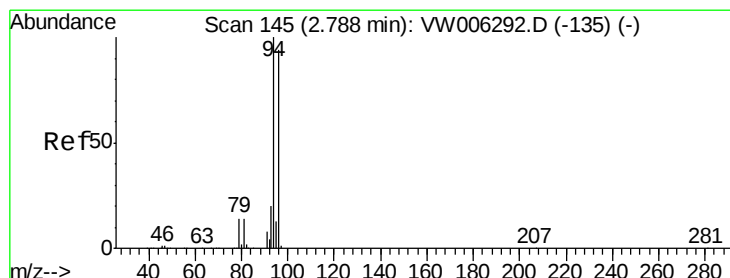
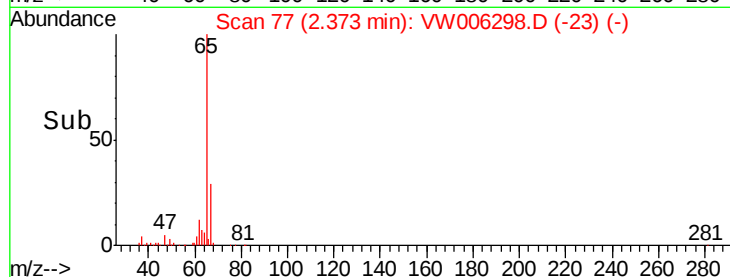
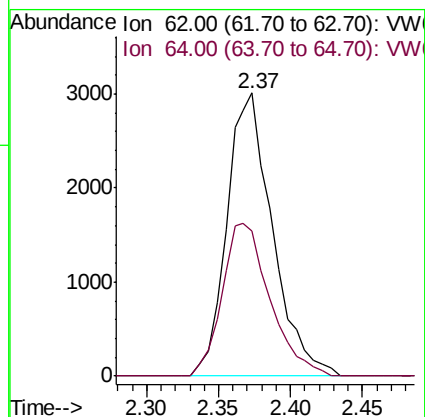
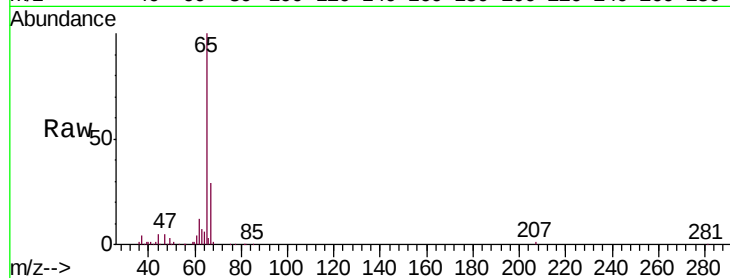
MDL

Tgt Ion: 62 Resp: 6632

Ion Ratio Lower Upper

62 100

64 51.1 22.7 42.3#



#6

Bromomethane

Concen: 1.143 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006298.D

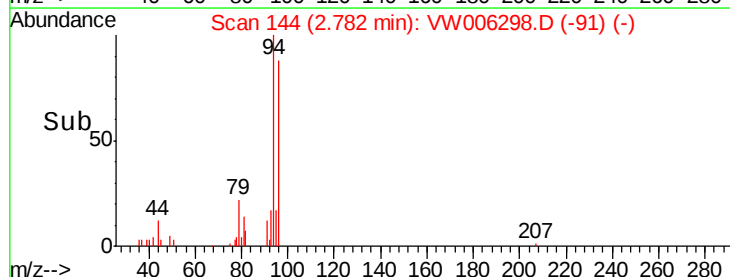
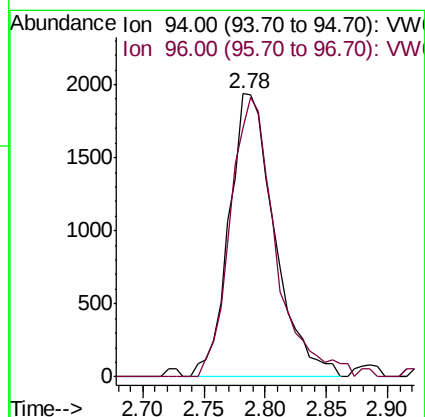
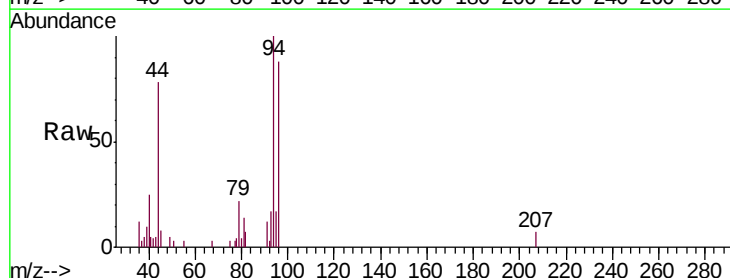
Acq: 23 Oct 2018 15:58

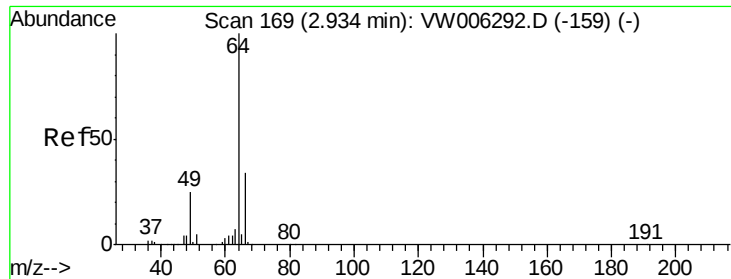
Tgt Ion: 94 Resp: 5012

Ion Ratio Lower Upper

94 100

96 95.8 9.5 181.3





#8

Chloroethane

Concen: 1.092 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

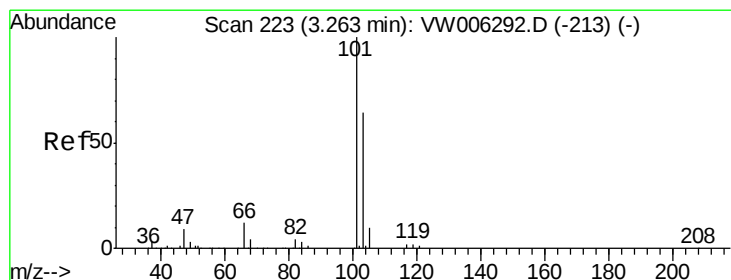
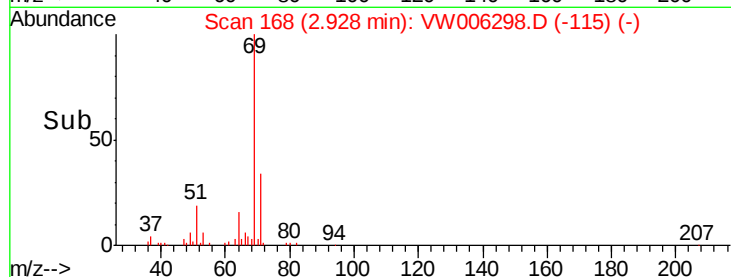
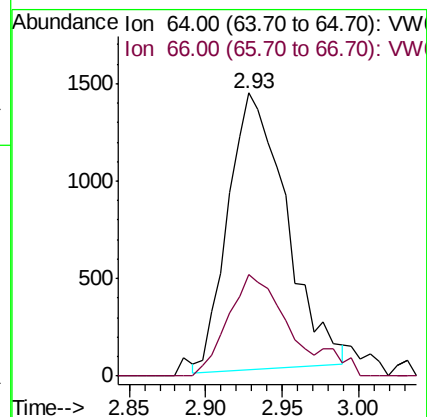
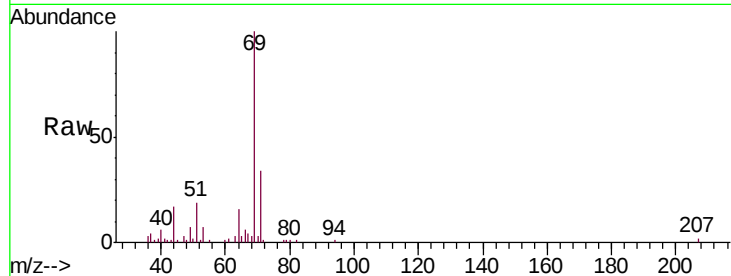
MDL

Tgt Ion: 64 Resp: 3767

Ion Ratio Lower Upper

64 100

66 36.0 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.164 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW006298.D

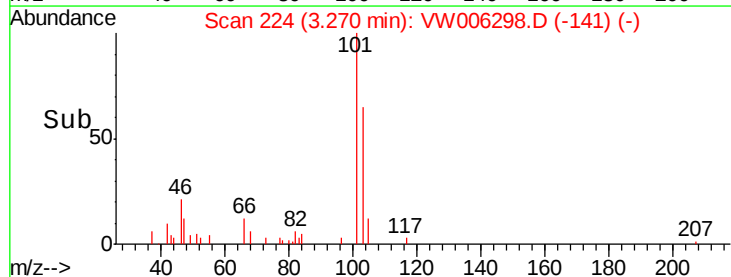
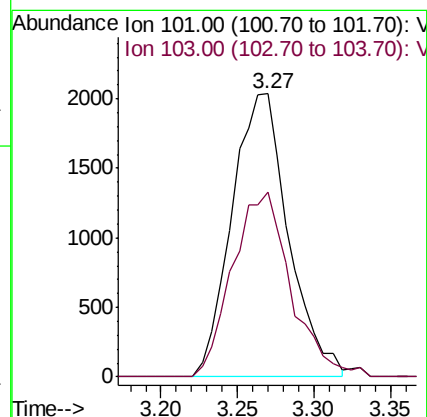
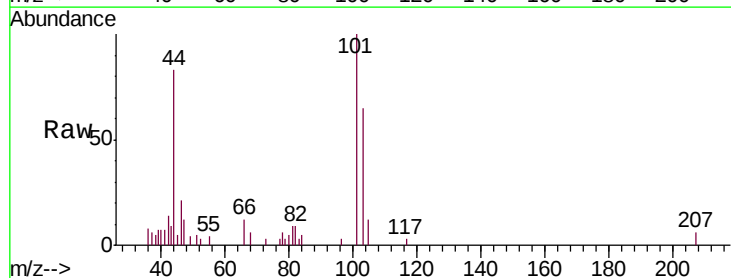
Acq: 23 Oct 2018 15:58

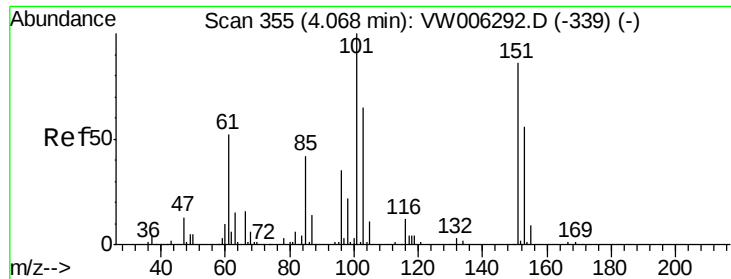
Tgt Ion: 101 Resp: 5242

Ion Ratio Lower Upper

101 100

103 66.9 45.6 84.6





#11

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

Concen: 1.482 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL

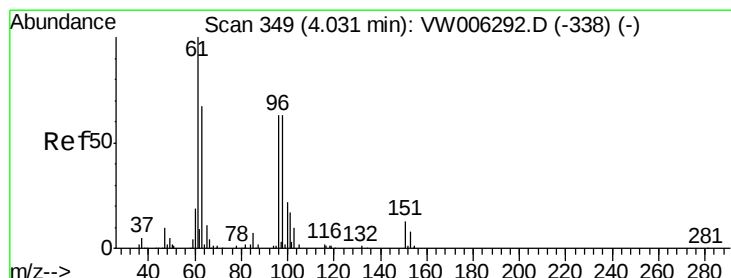
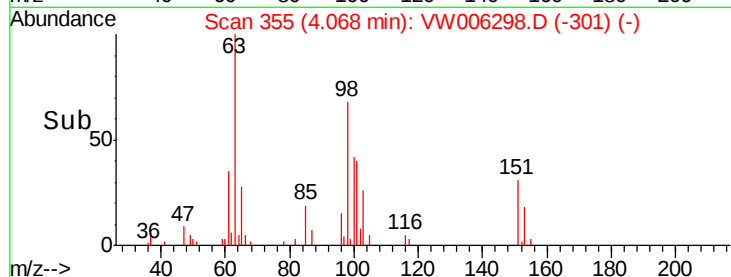
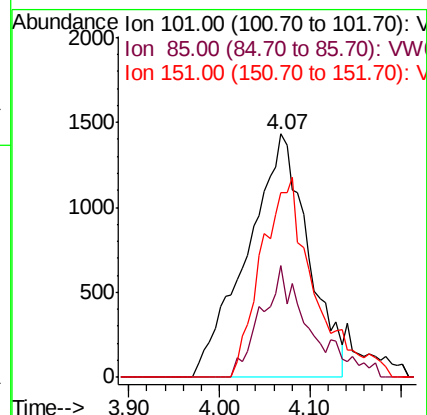
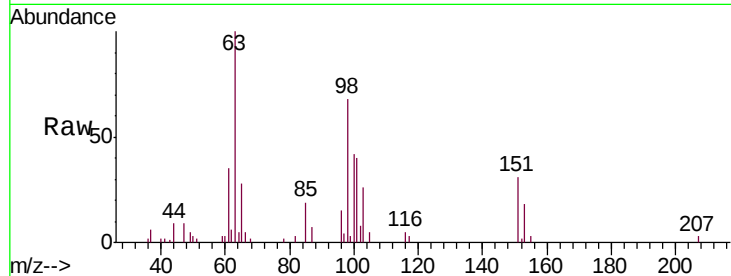
Tgt Ion: 101 Resp: 6675

Ion Ratio Lower Upper

101 100

85 3.9 33.4 50.2#

151 62.8 68.7 103.1#



#12

1,1-Dichloroethene

Concen: 0.693 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

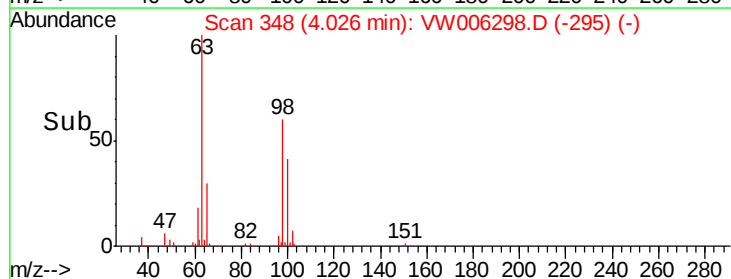
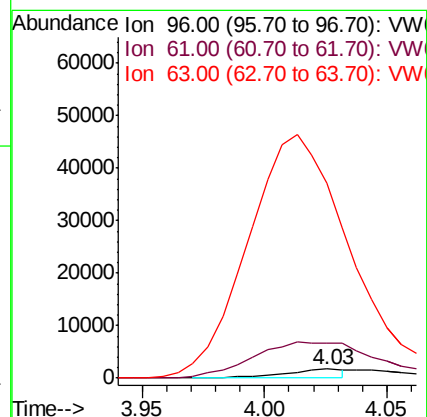
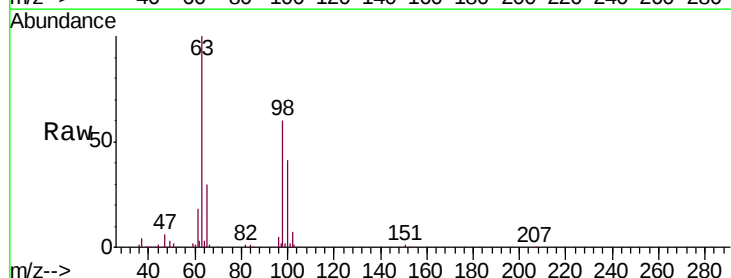
Tgt Ion: 96 Resp: 2996

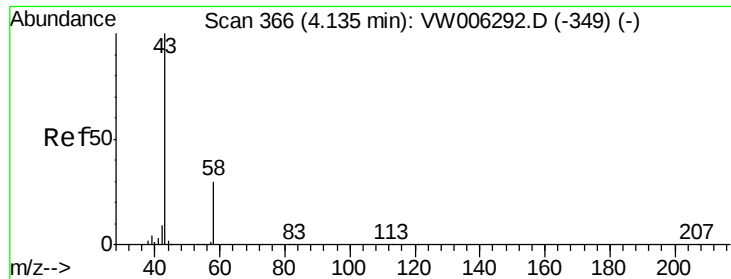
Ion Ratio Lower Upper

96 100

61 391.3 112.3 208.7#

63 2211.1 102.6 190.6#





#13

Acetone

Concen: 3.157 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

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Acq: 23 Oct 2018 15:58

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MSVOA_W

ClientSampled :

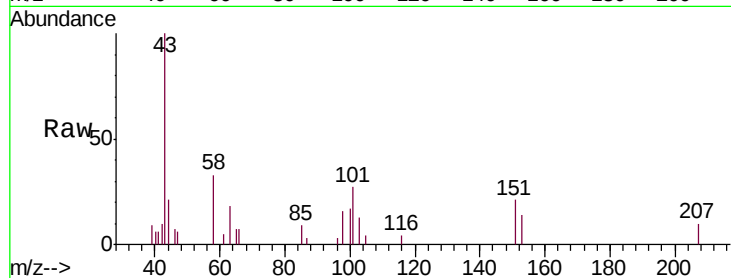
MDL

Tgt Ion: 43 Resp: 4486

Ion Ratio Lower Upper

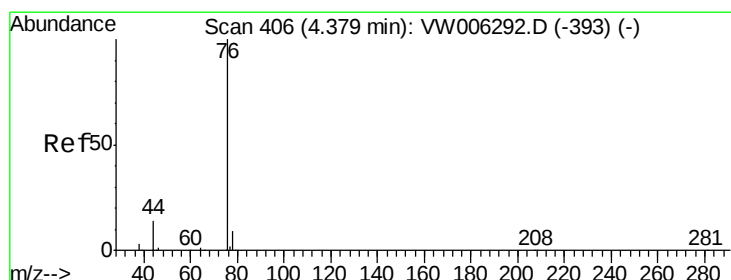
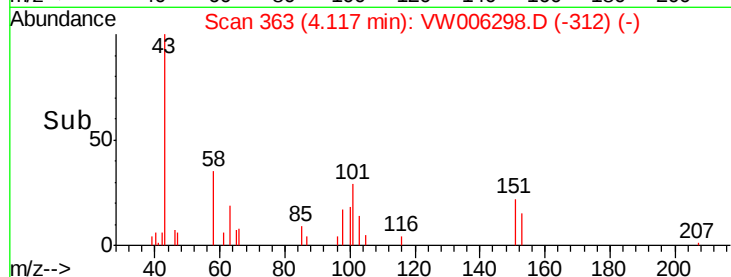
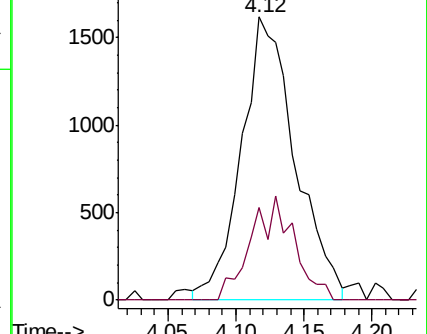
43 100

58 13.6 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: 0.975 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006298.D

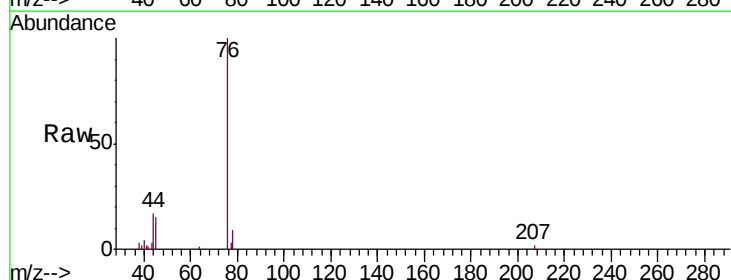
Acq: 23 Oct 2018 15:58

Tgt Ion: 76 Resp: 13774

Ion Ratio Lower Upper

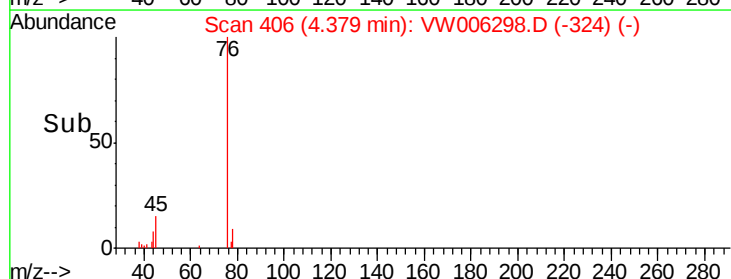
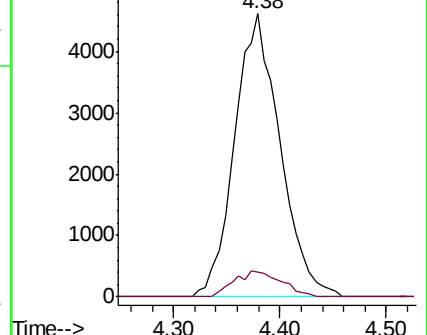
76 100

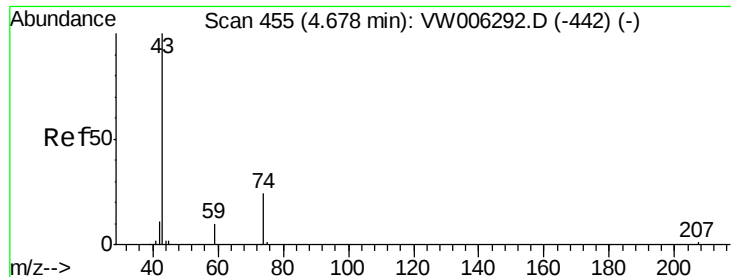
78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

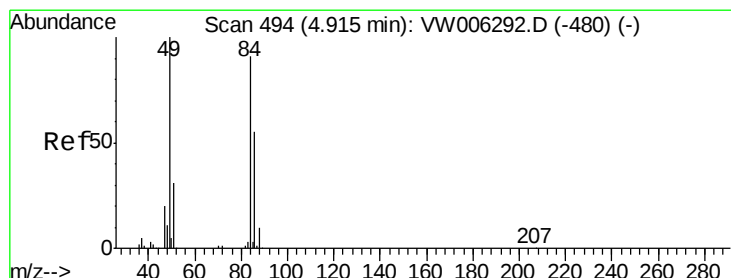
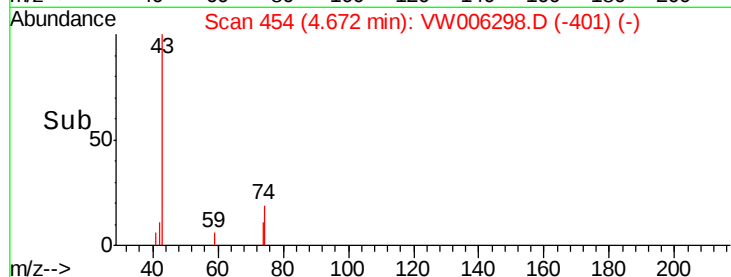
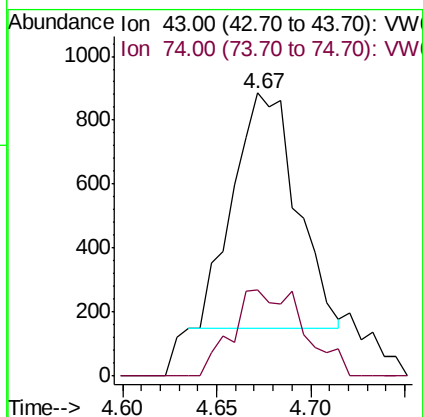
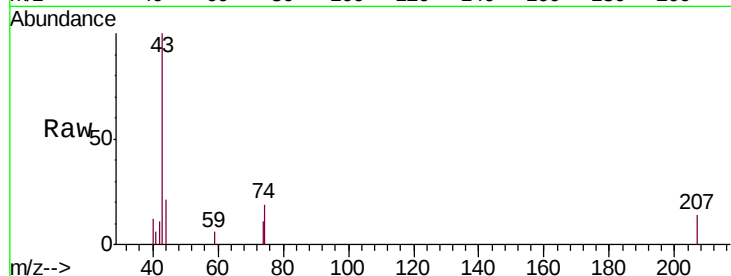




#15
Methyl Acetate
Concen: 0.750 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

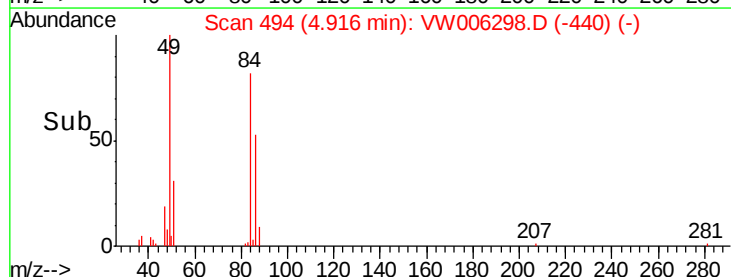
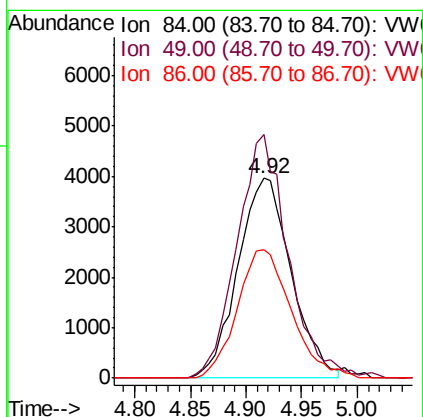
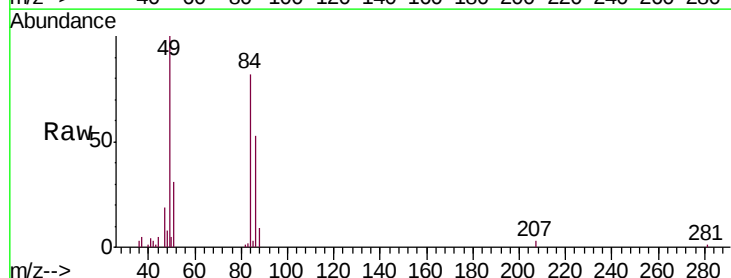
Instrument :
MSVOA_W
ClientSampled :
MDL

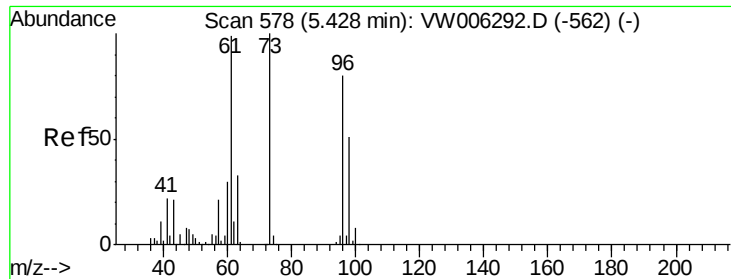
Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
74 20.9 19.4 29.2



#16
Methylene chloride
Concen: 2.721 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Tgt Ion: 84 Resp: 13219
Ion Ratio Lower Upper
84 100
49 121.9 83.5 155.1
86 64.4 44.9 83.5

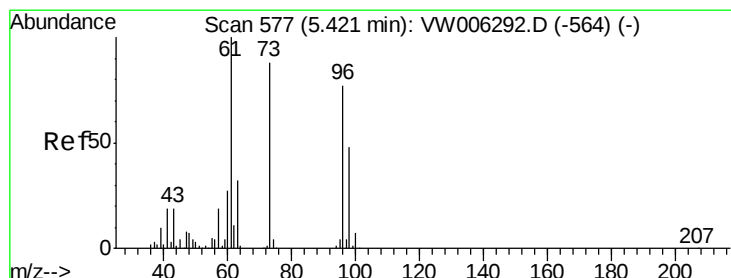
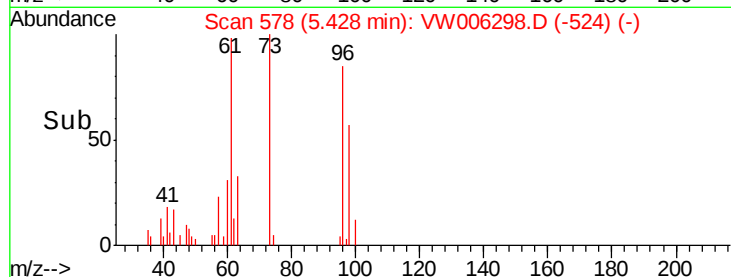
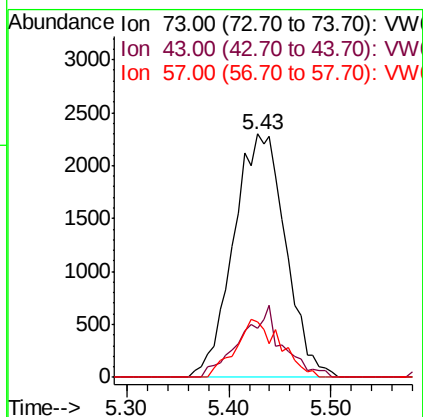
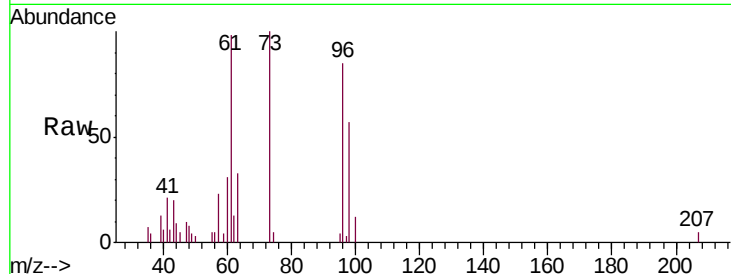




#17
Methyl tert-butyl Ether
Concen: 1.159 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

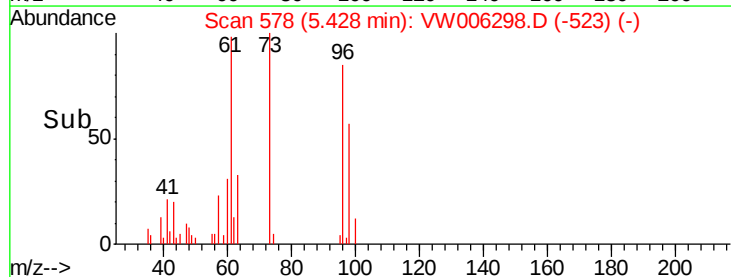
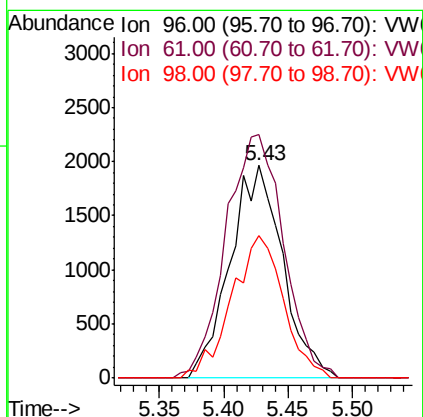
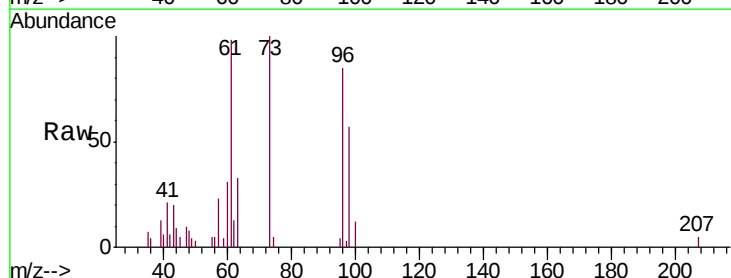
Instrument :
MSVOA_W
ClientSampled :
MDL

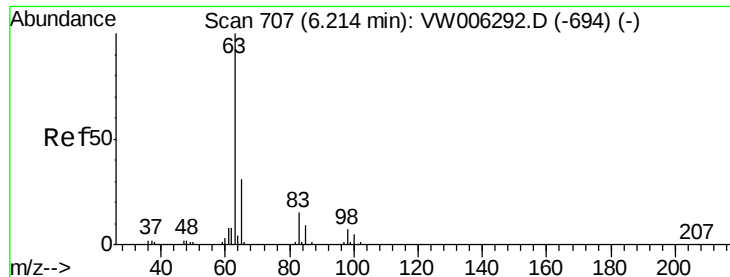
Tgt Ion: 73 Resp: 8151
Ion Ratio Lower Upper
73 100
43 11.5 17.0 25.4#
57 14.4 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 1.165 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Tgt Ion: 96 Resp: 5572
Ion Ratio Lower Upper
96 100
61 114.4 89.0 165.2
98 67.1 42.4 78.6

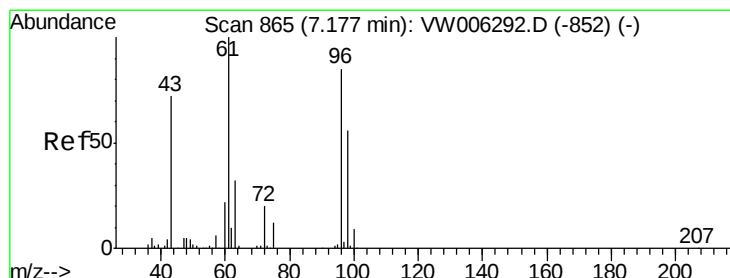
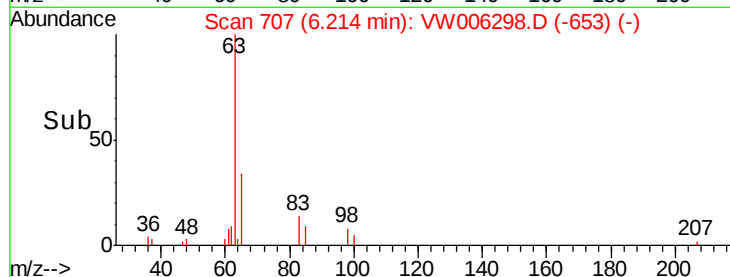
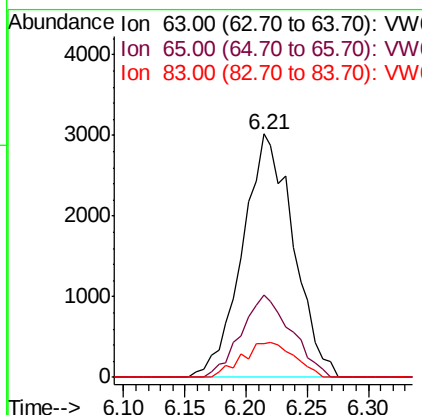
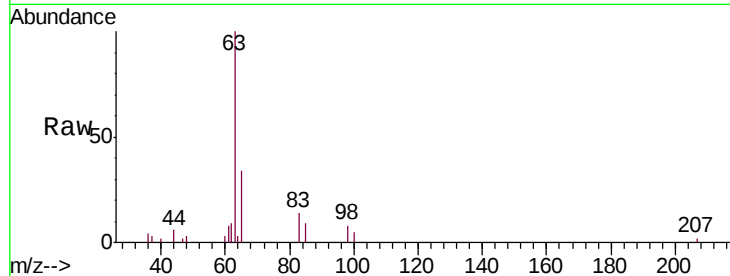




#19
 1,1-Dichloroethane
 Concen: 1.131 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

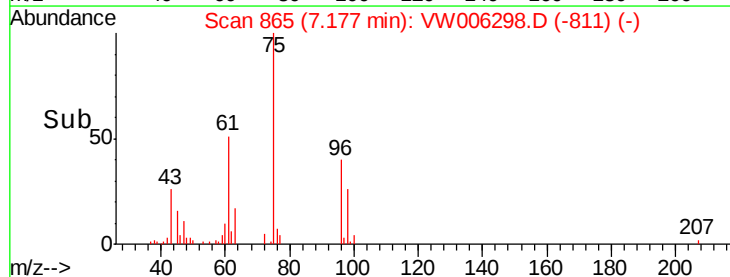
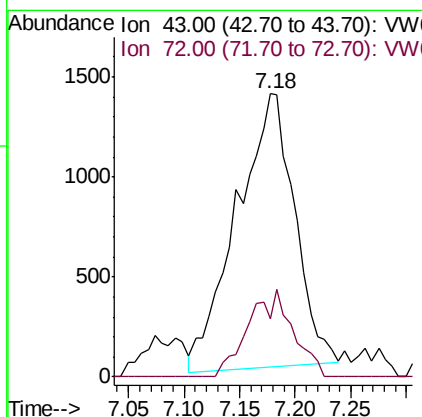
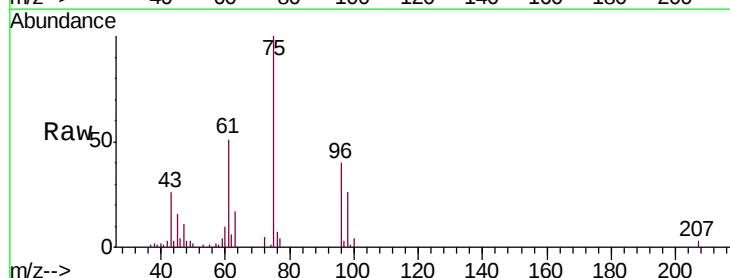
Instrument :
 MSVOA_W
 ClientSampled :
 MDL

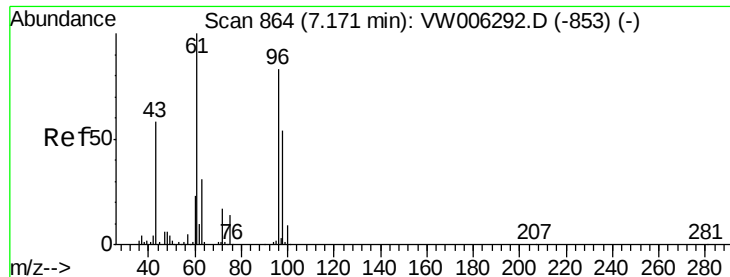
Tgt Ion: 63 Resp: 8754
 Ion Ratio Lower Upper
 63 100
 65 33.9 22.3 41.5
 83 13.6 9.7 18.1



#21
 2-Butanone
 Concen: 2.624 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion: 43 Resp: 4954
 Ion Ratio Lower Upper
 43 100
 72 11.3 13.8 41.4#



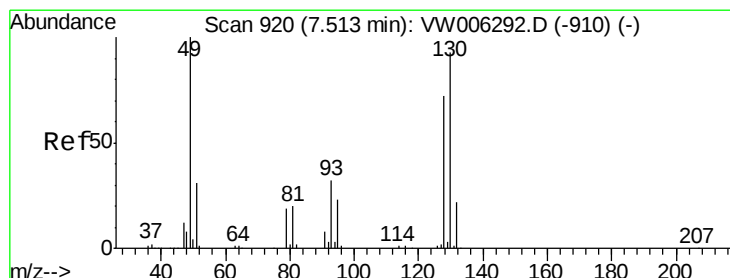
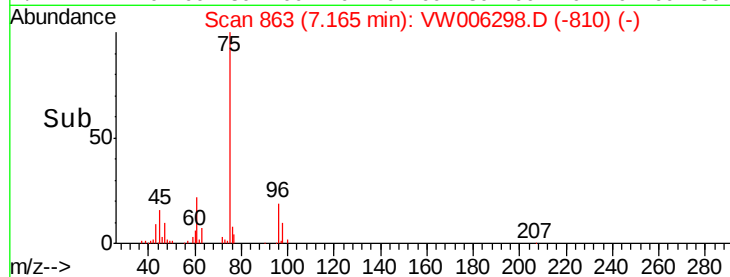
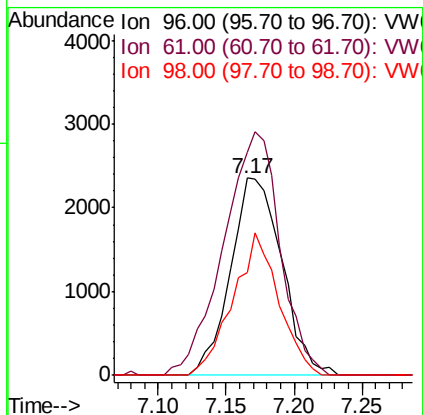
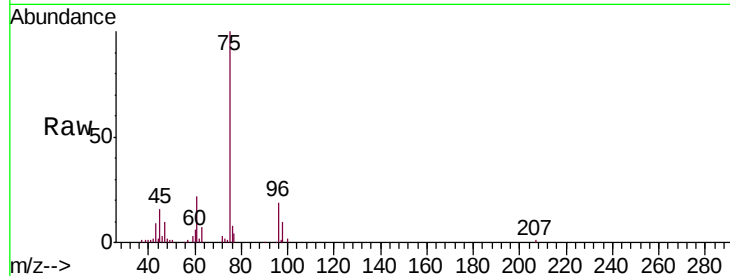


#22

cis-1,2-Dichloroethene
 Concen: 1.193 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

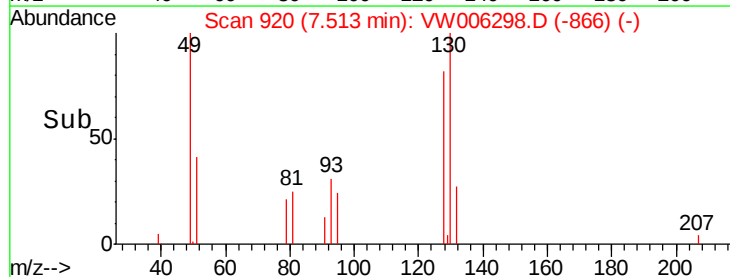
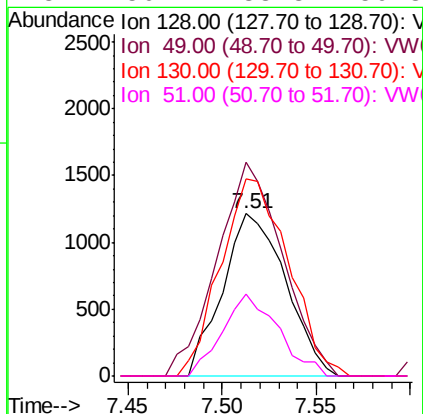
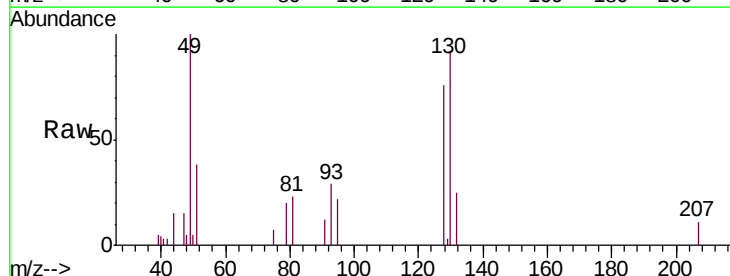
Tgt Ion: 96 Resp: 6225
 Ion Ratio Lower Upper
 96 100
 61 113.3 85.1 158.1
 98 52.1 46.3 86.1

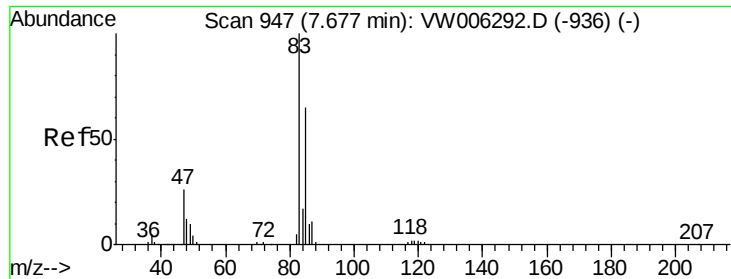


#23

Bromochloromethane
 Concen: 1.150 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion: 128 Resp: 2823
 Ion Ratio Lower Upper
 128 100
 49 131.7 95.2 176.8
 130 121.4 86.3 160.3
 51 50.4 33.8 50.8





#25

Chloroform

Concen: 1.319 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

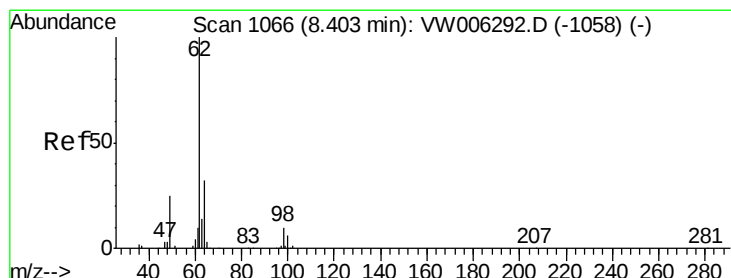
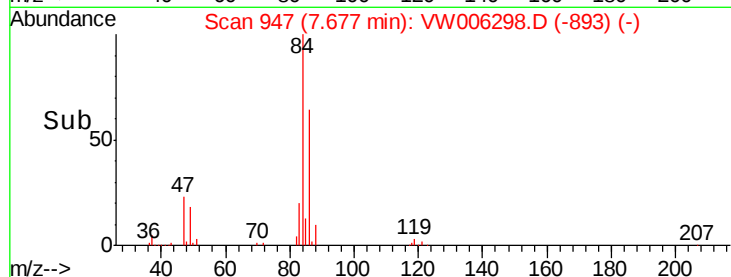
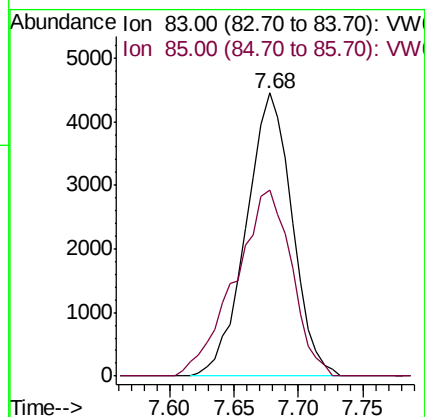
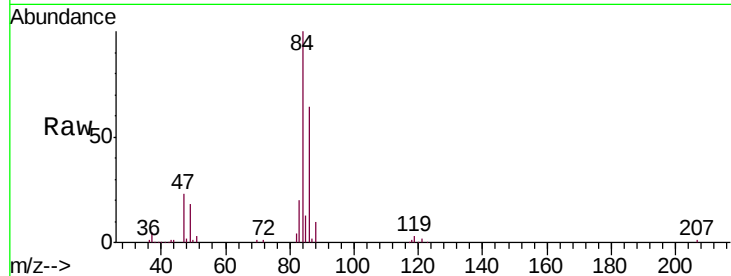
MDL

Tgt Ion: 83 Resp: 10987

Ion Ratio Lower Upper

83 100

85 81.3 46.3 85.9



#27

1,2-Dichloroethane

Concen: 1.272 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW006298.D

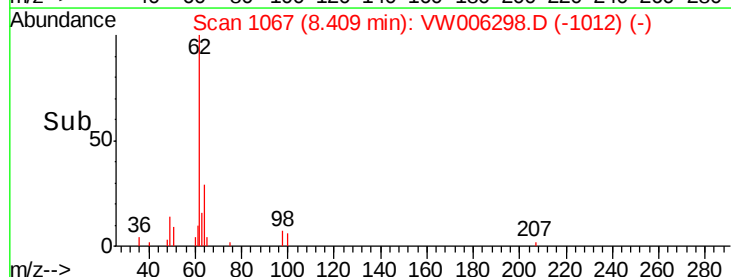
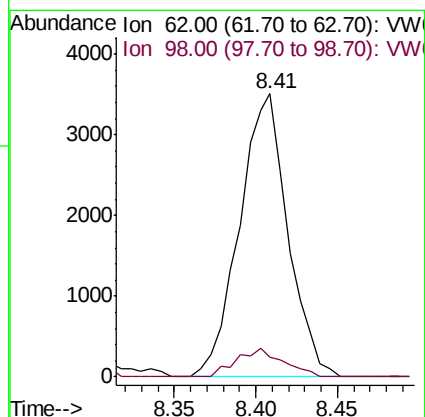
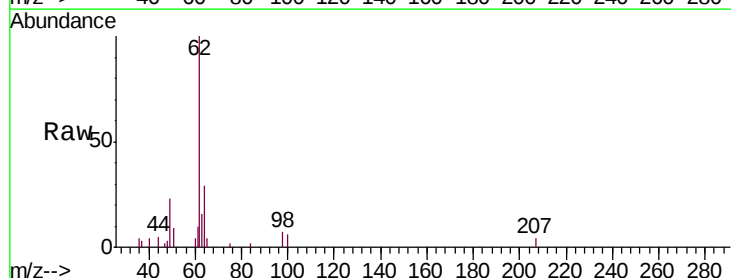
Acq: 23 Oct 2018 15:58

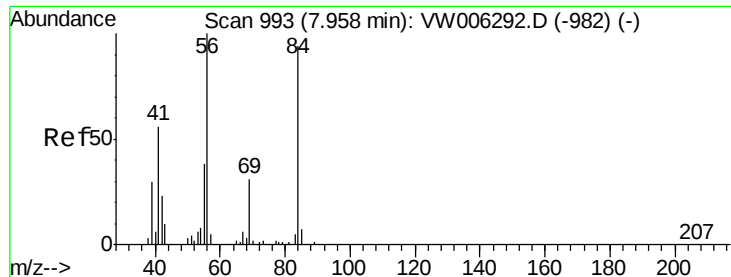
Tgt Ion: 62 Resp: 7224

Ion Ratio Lower Upper

62 100

98 6.8 8.0 12.0#

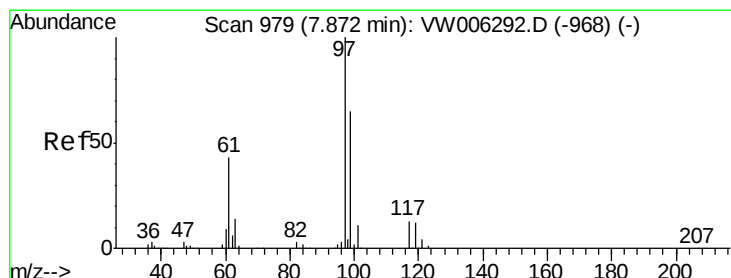
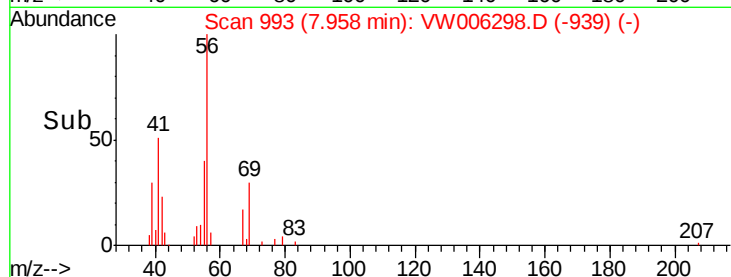
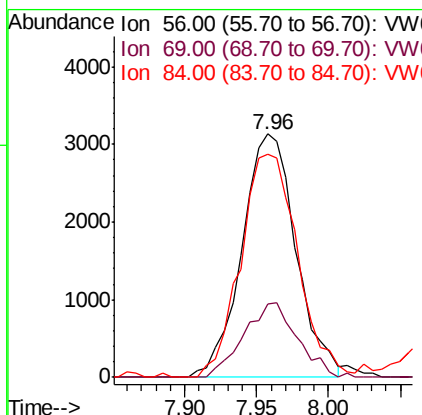
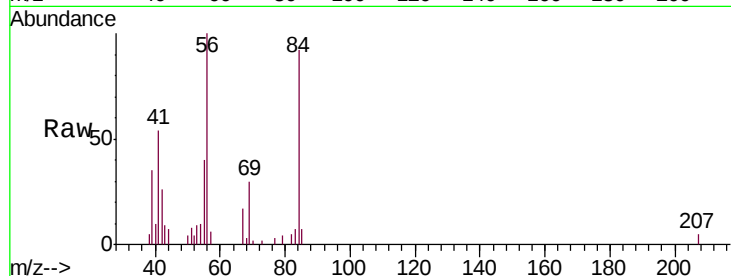




#30
Cyclohexane
Concen: 1.029 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

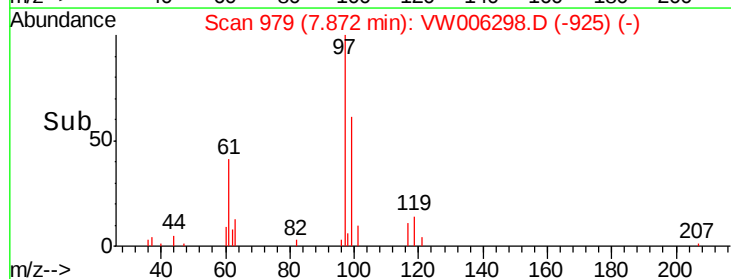
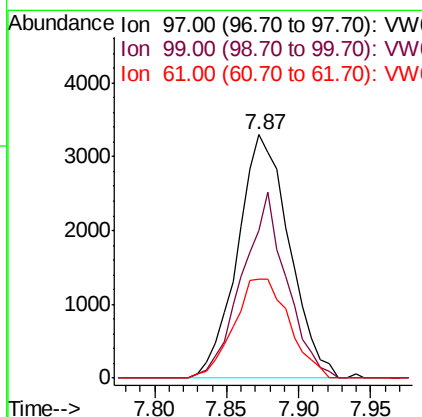
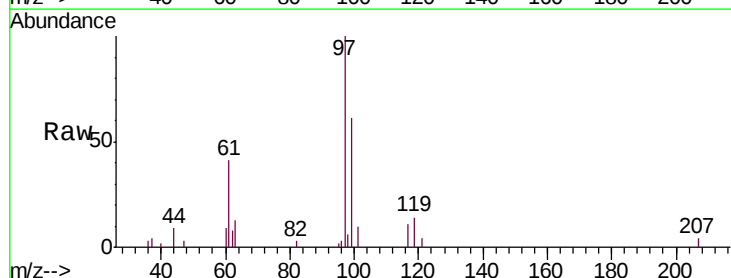
Instrument :
MSVOA_W
ClientSampleId :
MDL

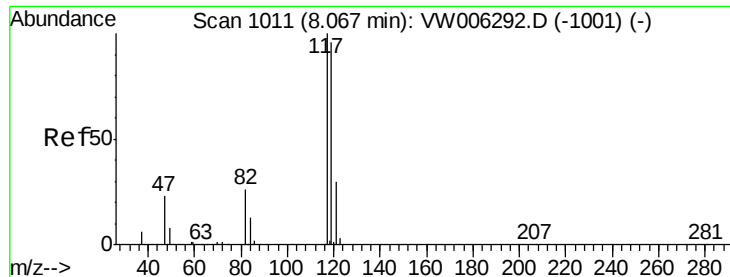
Tgt Ion: 56 Resp: 8151
Ion Ratio Lower Upper
56 100
69 30.4 25.4 38.0
84 96.8 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 1.092 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Tgt Ion: 97 Resp: 8230
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.4
61 43.5 33.6 50.4





#32

Carbon tetrachloride

Concen: 1.060 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

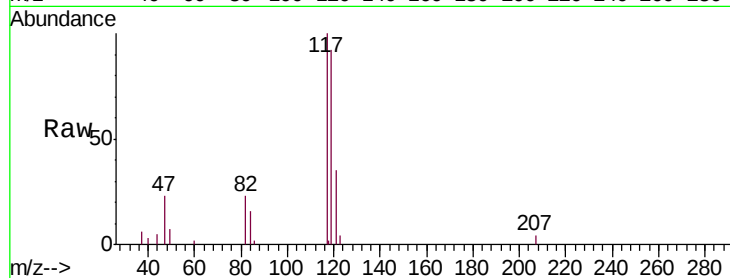
MDL

Tgt Ion:117 Resp: 7836

Ion Ratio Lower Upper

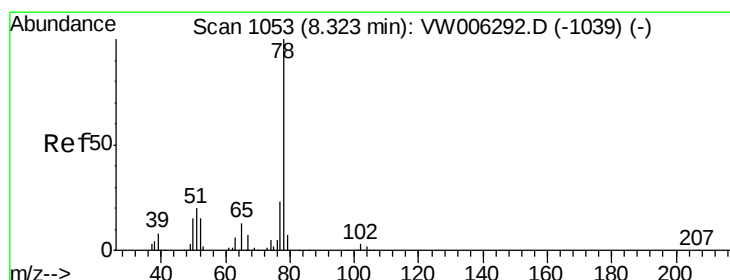
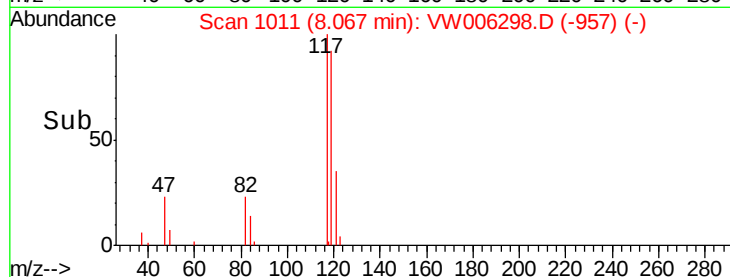
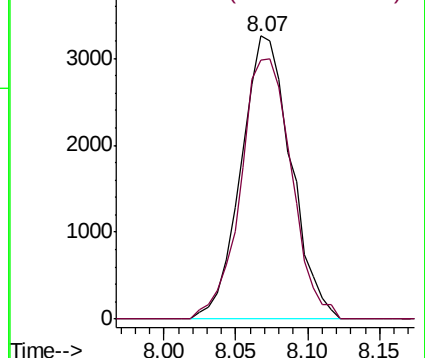
117 100

119 93.7 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: 1.185 ug/L

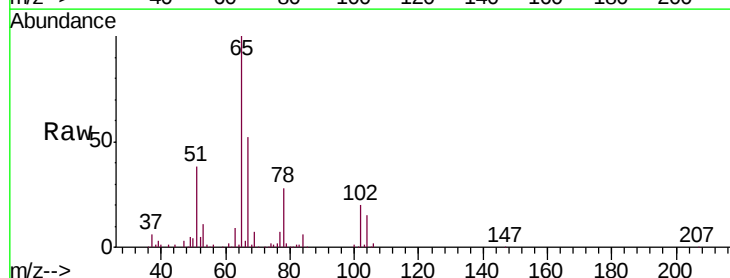
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

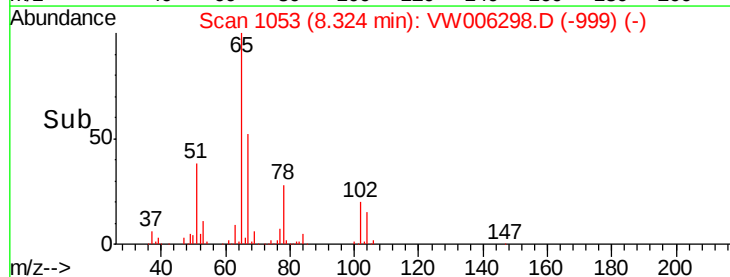
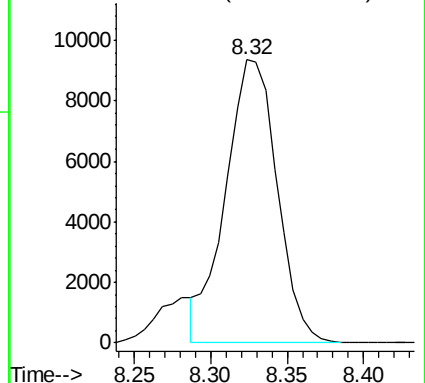
Lab File: VW006298.D

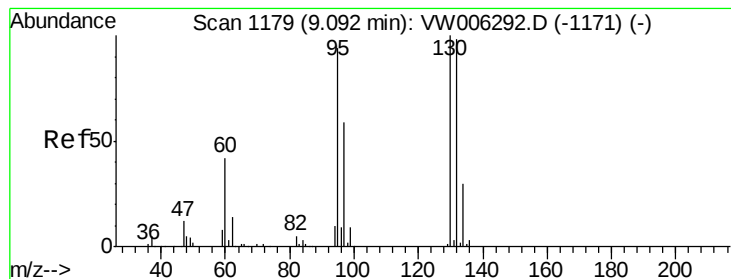
Acq: 23 Oct 2018 15:58

Tgt Ion: 78 Resp: 21925



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 1.142 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion: 95 Resp: 5941

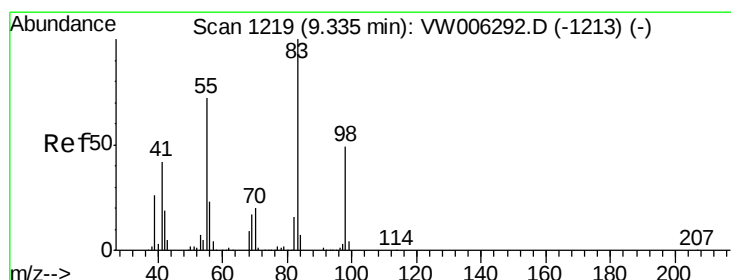
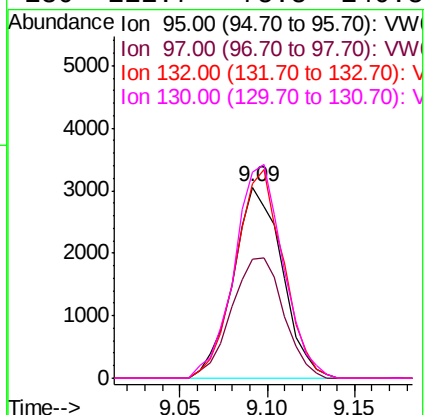
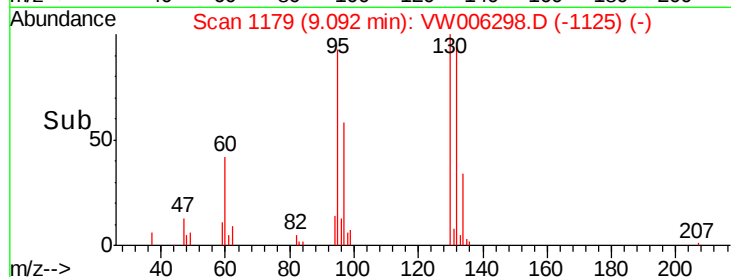
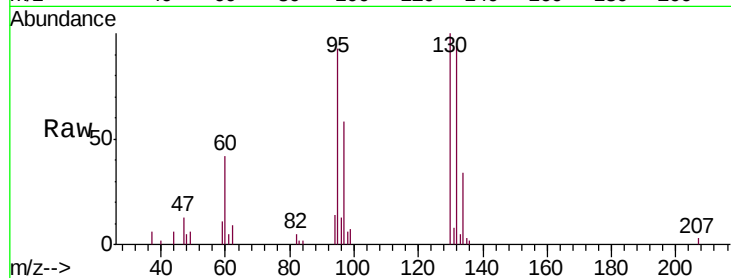
Ion Ratio Lower Upper

95 100

97 67.2 45.8 85.0

132 106.3 72.9 135.3

130 111.7 75.8 140.8



#36

Methylcyclohexane

Concen: 1.061 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

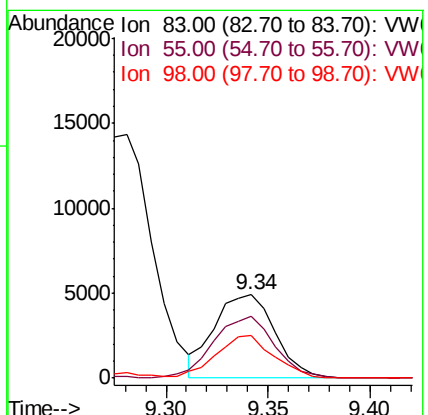
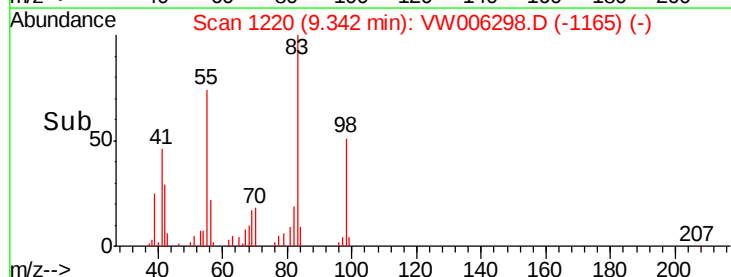
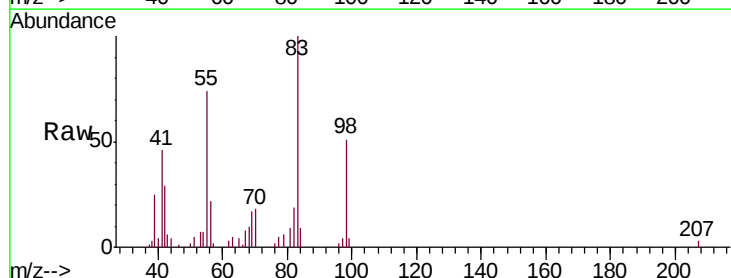
Tgt Ion: 83 Resp: 10114

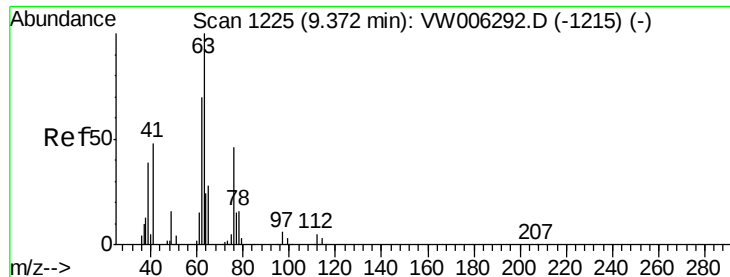
Ion Ratio Lower Upper

83 100

55 74.3 57.1 85.7

98 48.5 38.9 58.3

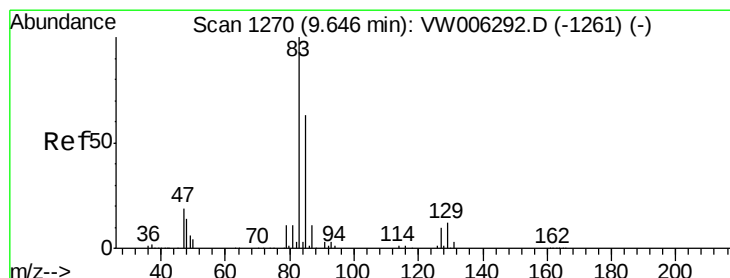
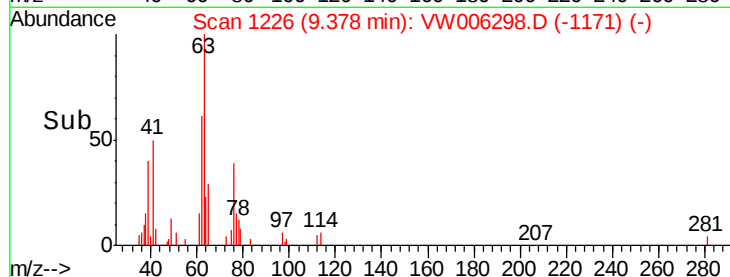
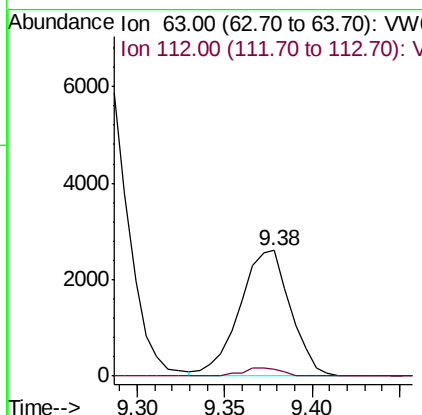
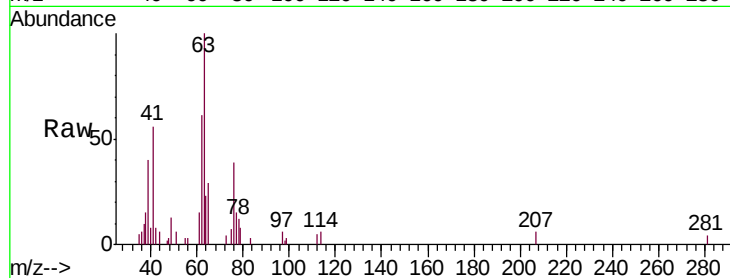




#40
 1,2-Dichloropropane
 Concen: 1.150 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

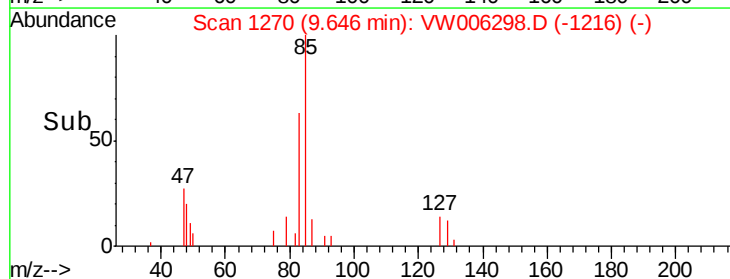
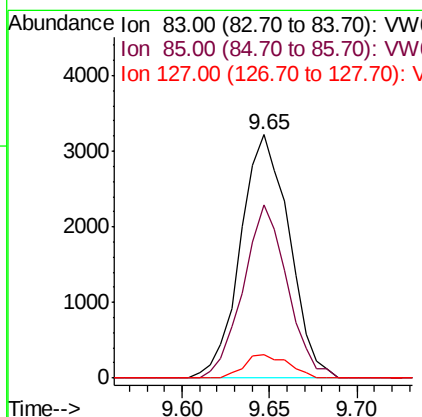
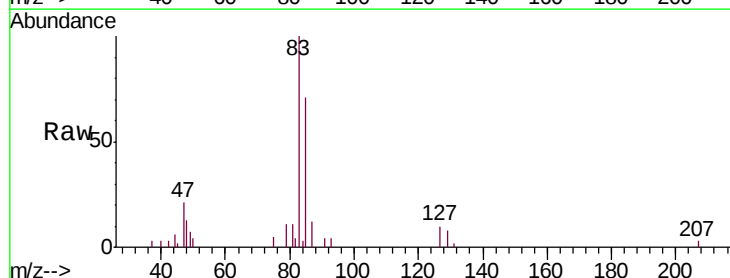
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

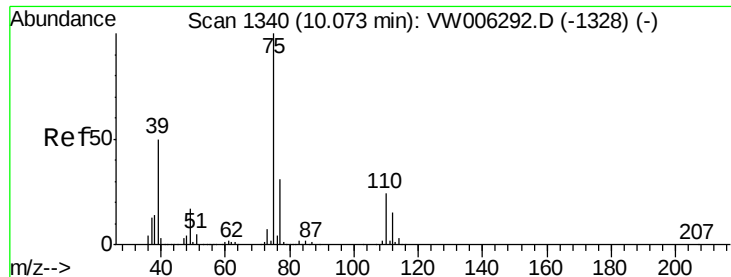
Tgt Ion: 63 Resp: 5276
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#41
 Bromodichloromethane
 Concen: 1.005 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion: 83 Resp: 6226
 Ion Ratio Lower Upper
 83 100
 85 71.2 45.5 84.5
 127 9.7 7.4 11.2

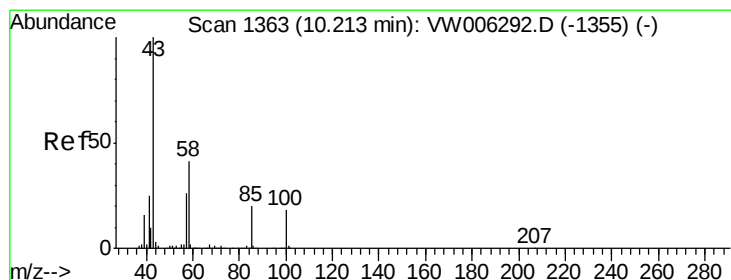
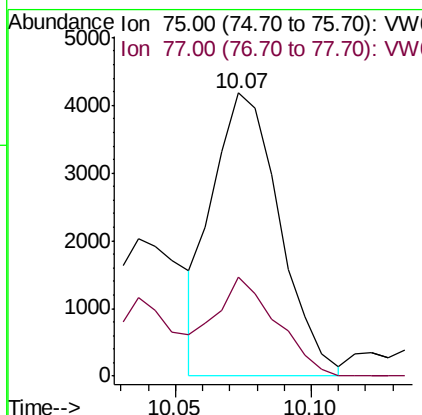
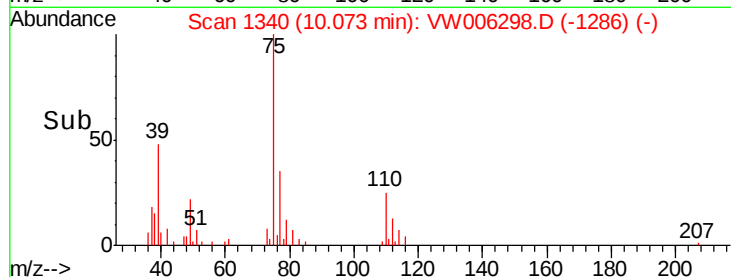
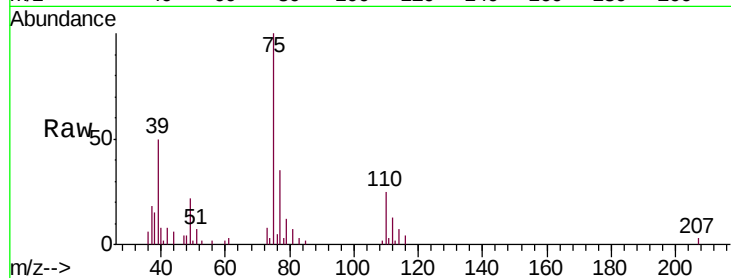




#42
 cis-1,3-Dichloropropene
 Concen: 0.955 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

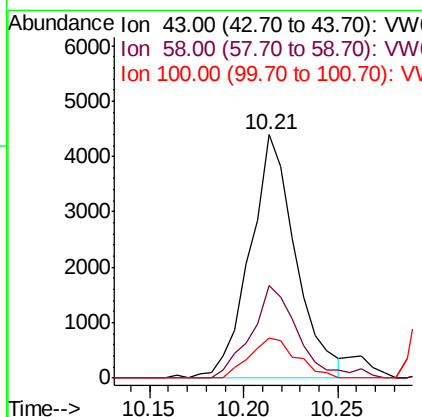
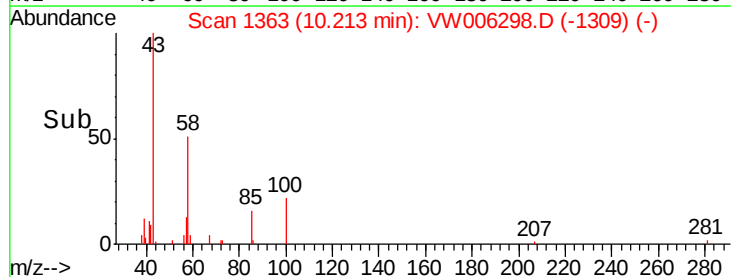
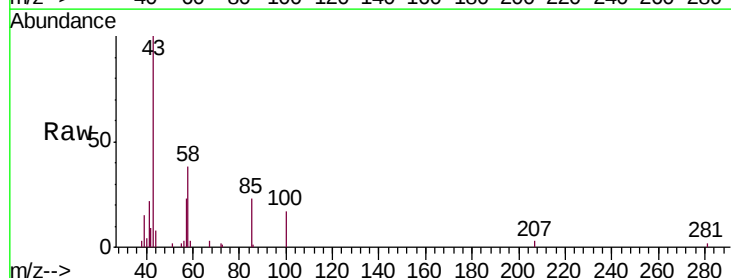
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL

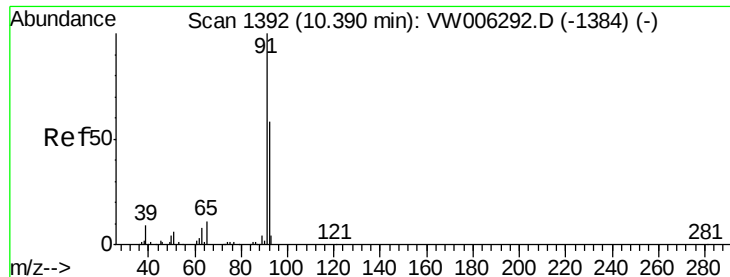
Tgt Ion: 75 Resp: 7158
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 2.008 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion: 43 Resp: 7382
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.4 47.2
 100 17.0 13.3 19.9





#44

Toluene

Concen: 1.225 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

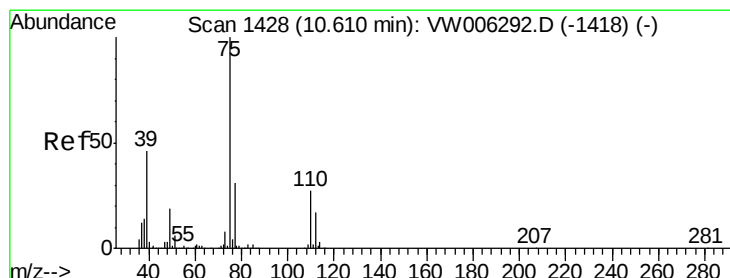
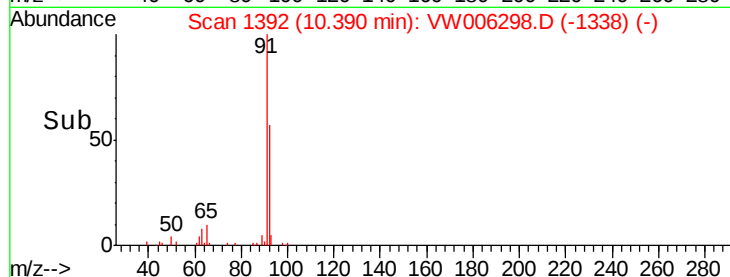
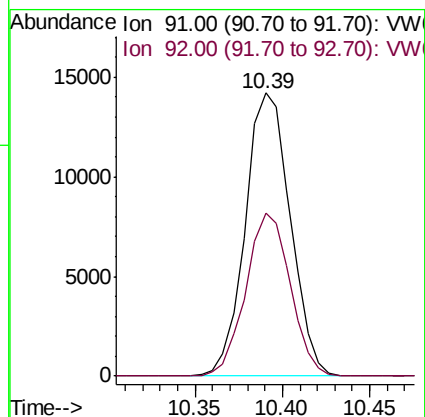
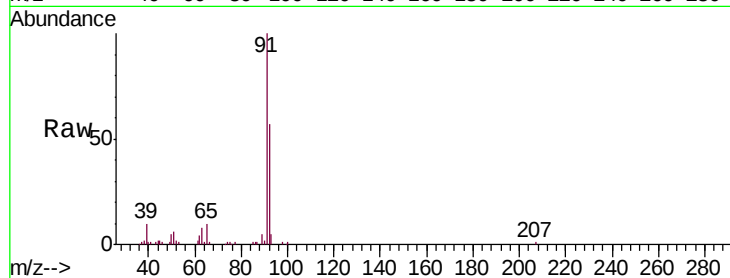
MDL

Tgt Ion: 91 Resp: 25446

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 1.292 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006298.D

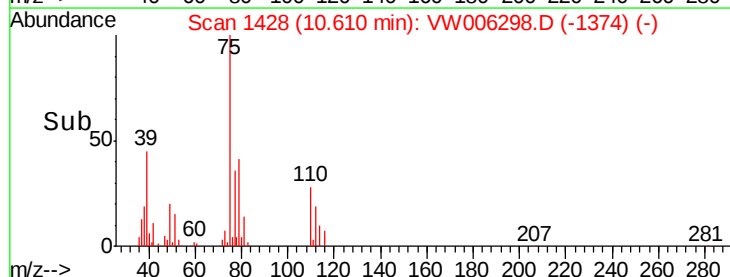
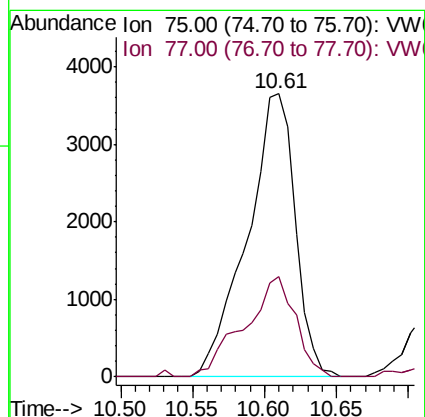
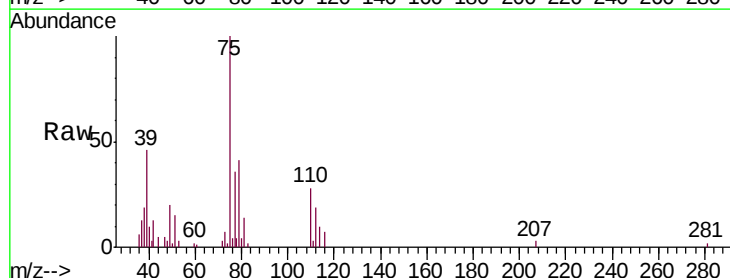
Acq: 23 Oct 2018 15:58

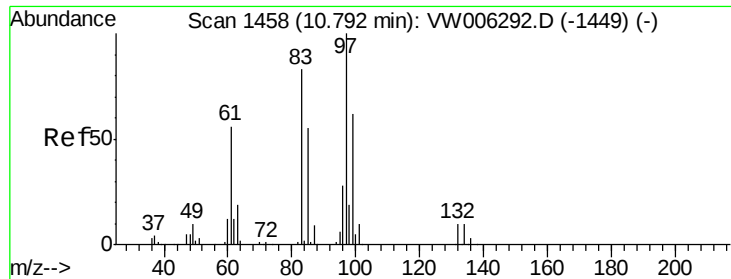
Tgt Ion: 75 Resp: 8460

Ion Ratio Lower Upper

75 100

77 35.6 22.4 41.6

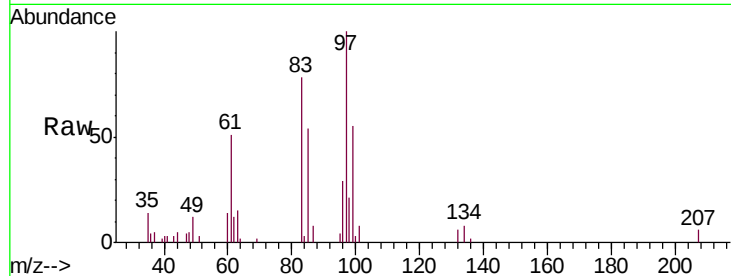




#46
1,1,2-Trichloroethane
Concen: 1.212 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 97 Resp: 4631
Ion Ratio Lower Upper
97 100
83 78.0 60.0 111.4
85 54.0 38.7 71.9
99 54.7 44.3 82.3



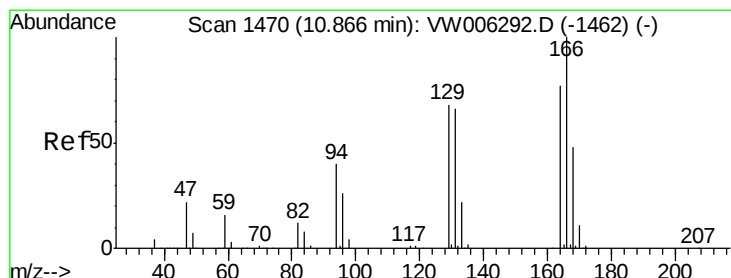
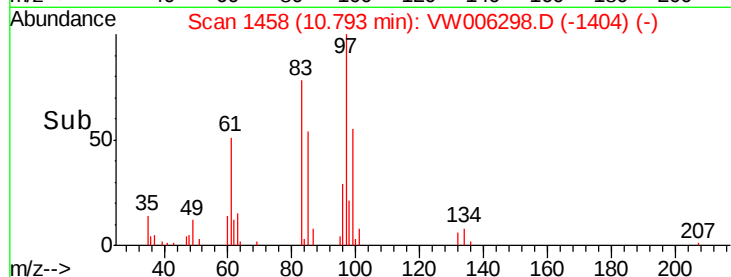
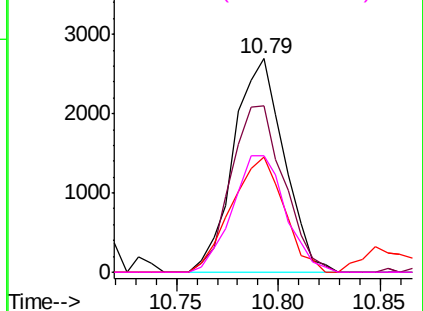
Abundance

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: 1.127 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Tgt Ion: 164 Resp: 5430
Ion Ratio Lower Upper
164 100
129 97.2 65.4 121.4
131 103.2 63.8 118.4
166 151.4 92.3 171.3

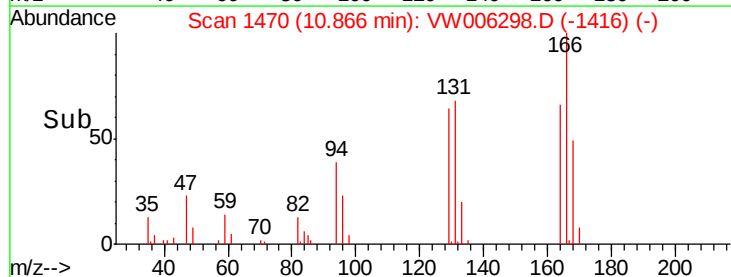
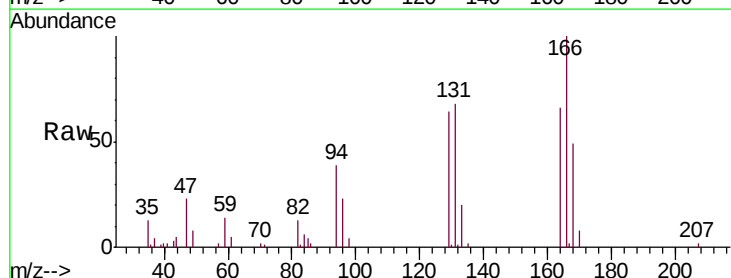
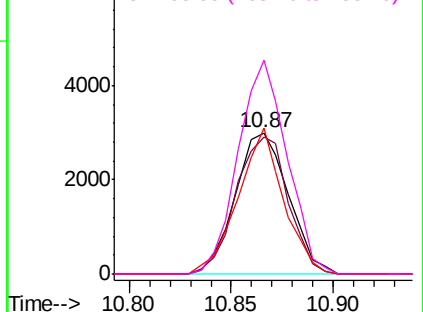
Abundance

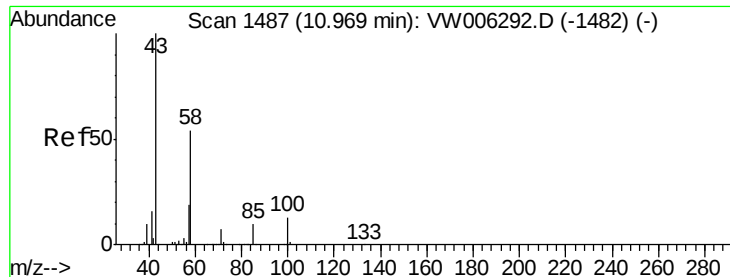
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 1.920 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL

Tgt Ion: 43 Resp: 5202

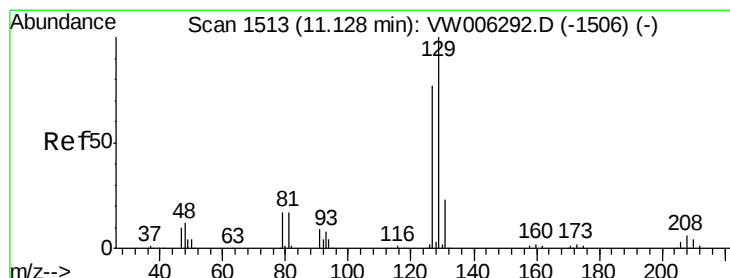
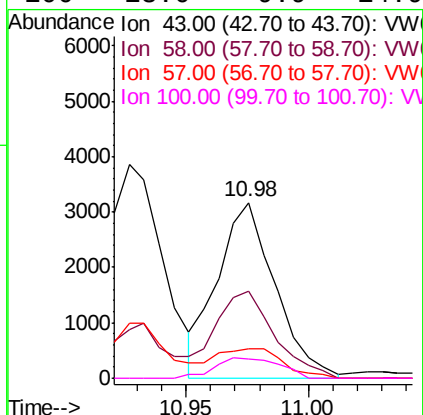
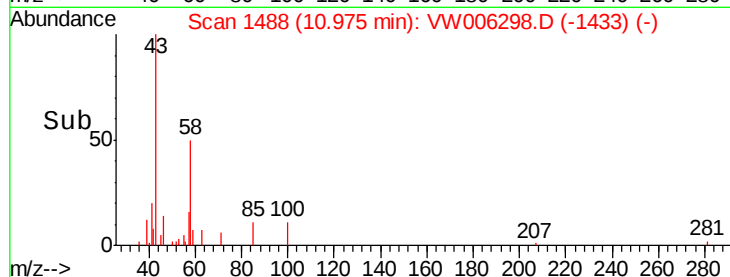
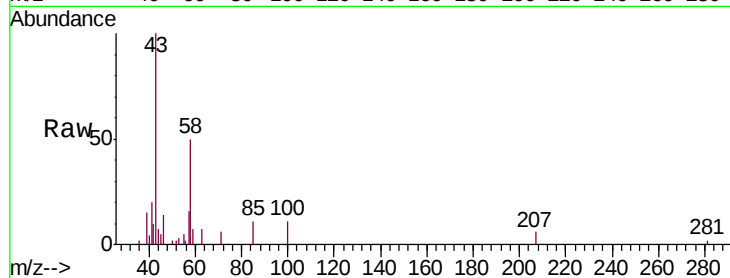
Ion Ratio Lower Upper

43 100

58 53.2 42.1 63.1

57 20.9 15.1 22.7

100 13.0 9.9 14.9



#50

Dibromochloromethane

Concen: 0.933 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006298.D

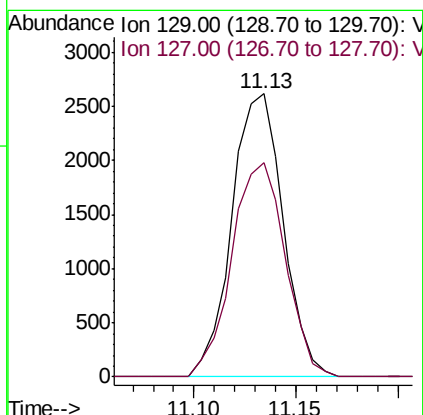
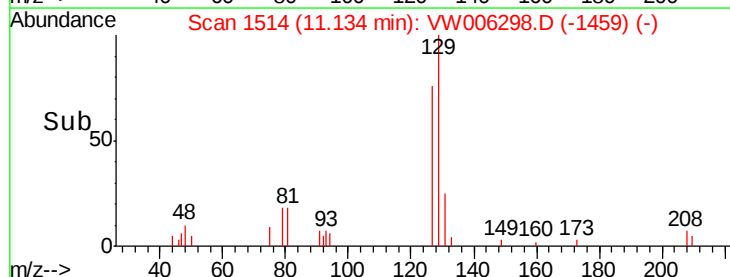
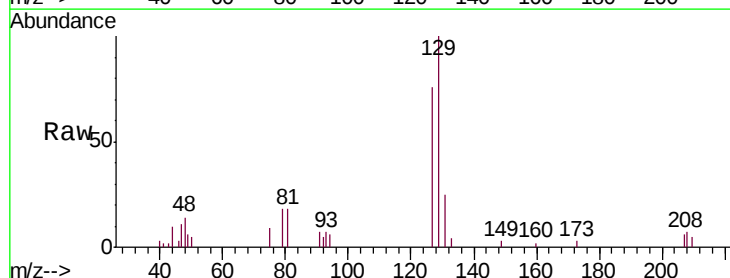
Acq: 23 Oct 2018 15:58

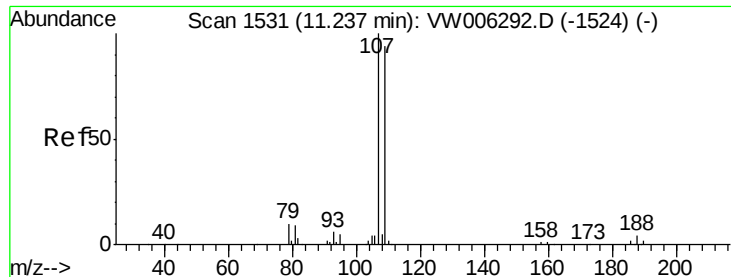
Tgt Ion: 129 Resp: 4567

Ion Ratio Lower Upper

129 100

127 75.9 54.4 101.0

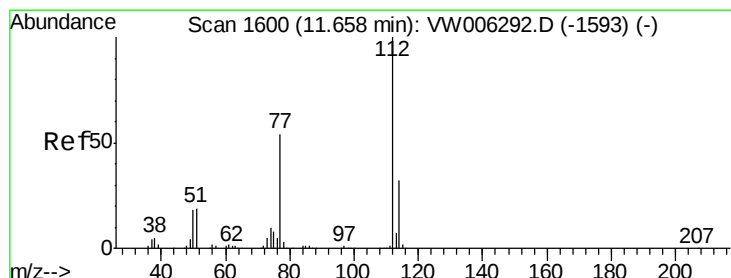
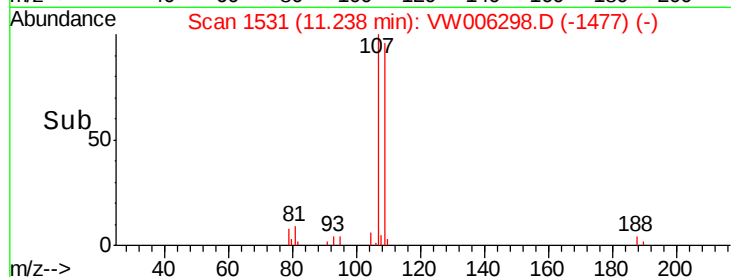
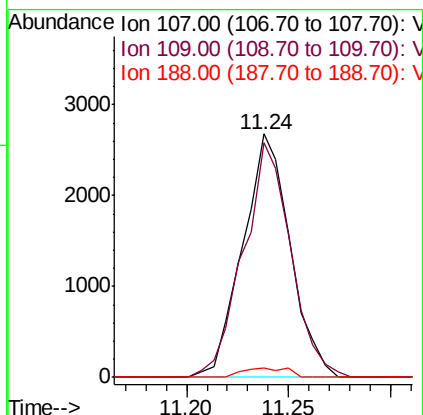
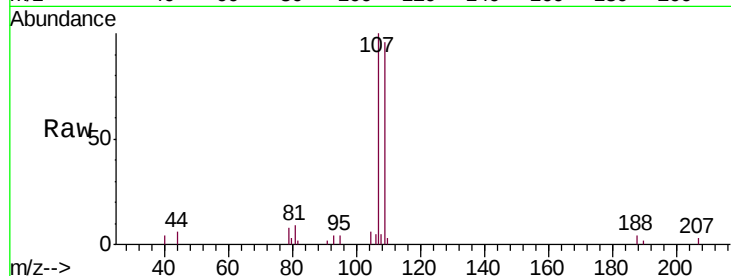




#51
 1,2-Dibromoethane
 Concen: 1.087 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

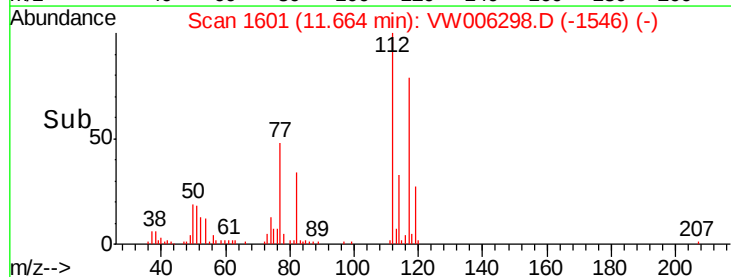
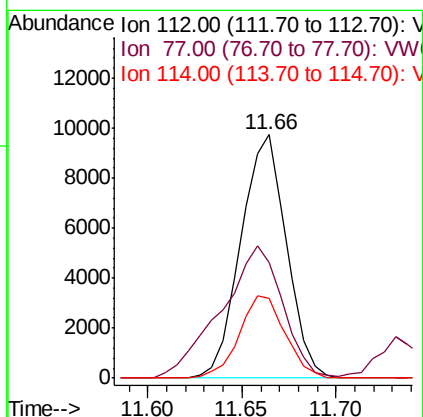
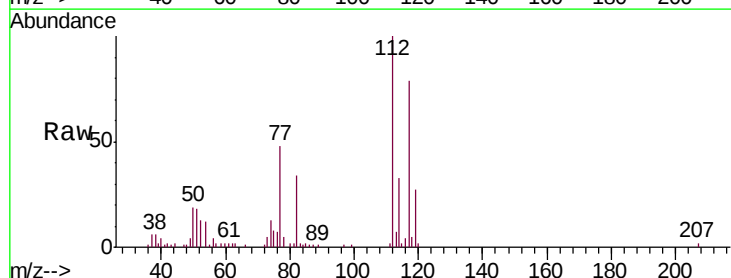
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

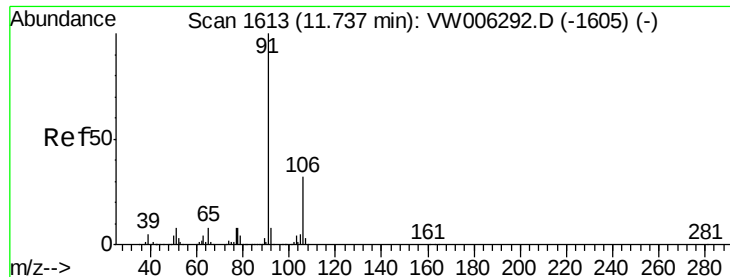
Tgt Ion:107 Resp: 4323
 Ion Ratio Lower Upper
 107 100
 109 96.2 66.6 123.8
 188 3.7 3.4 5.0



#52
 Chlorobenzene
 Concen: 1.166 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion:112 Resp: 16391
 Ion Ratio Lower Upper
 112 100
 77 47.7 44.2 66.2
 114 32.6 22.1 41.1

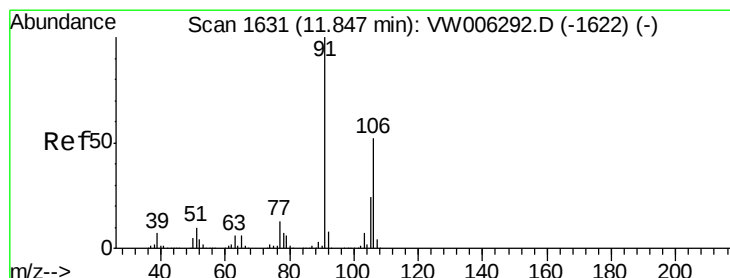
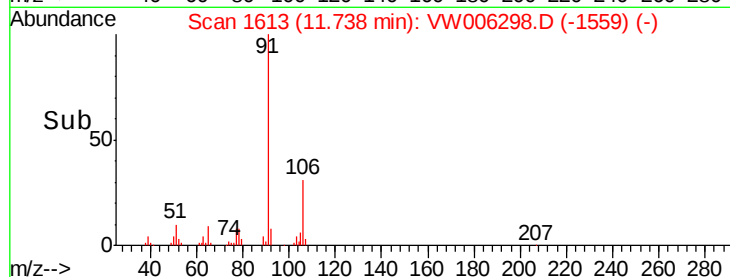
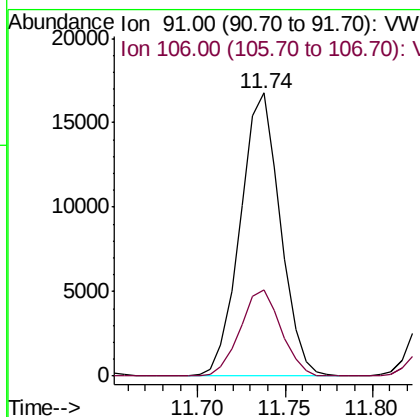
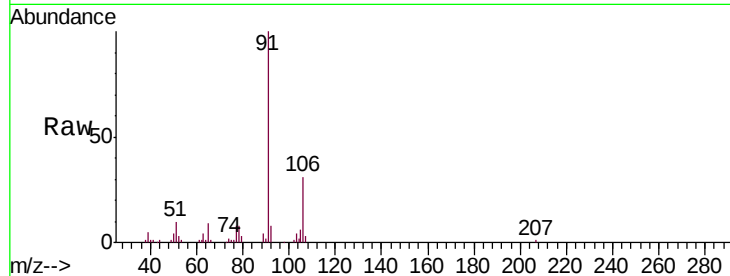




#53
Ethylbenzene
Concen: 1.103 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

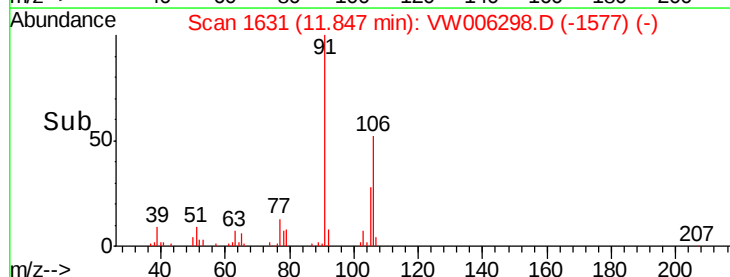
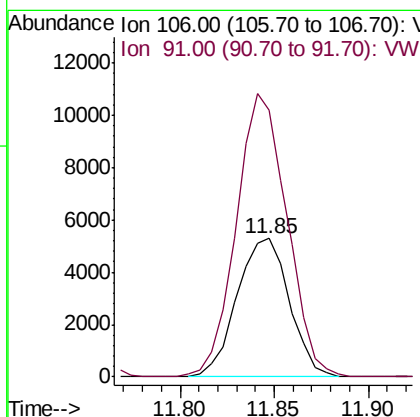
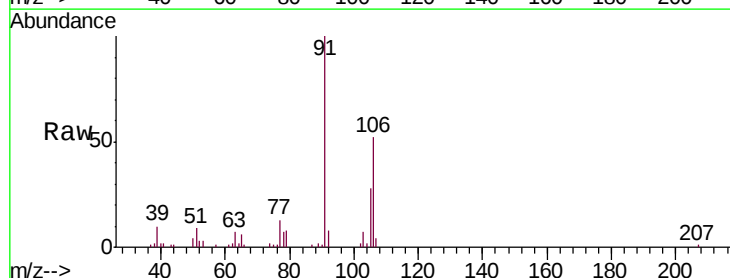
Instrument :
MSVOA_W
ClientSampled :
MDL

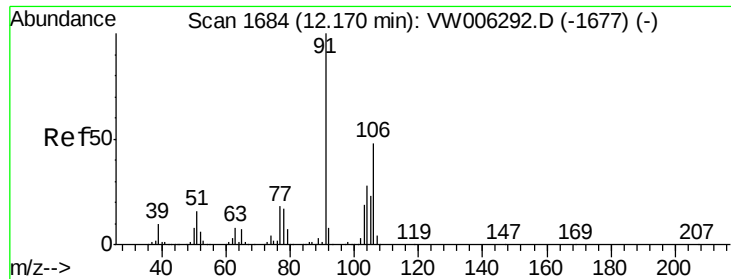
Tgt Ion: 91 Resp: 26681
Ion Ratio Lower Upper
91 100
106 30.7 22.6 42.0



#54
m,p-Xylene
Concen: 1.075 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006298.D
Acq: 23 Oct 2018 15:58

Tgt Ion: 106 Resp: 10184
Ion Ratio Lower Upper
106 100
91 192.4 138.4 257.0





#55

o-xylene

Concen: 1.038 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

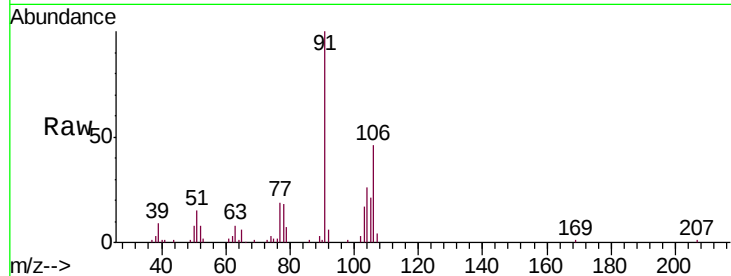
MDL

Tgt Ion:106 Resp: 9391

Ion Ratio Lower Upper

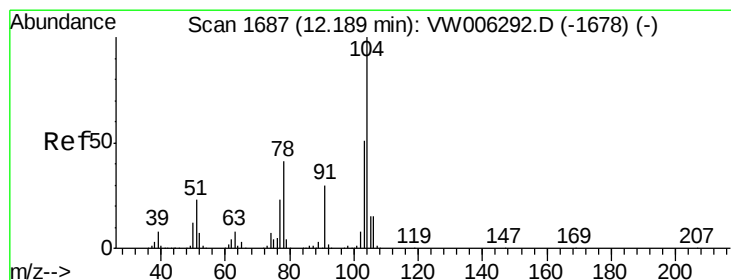
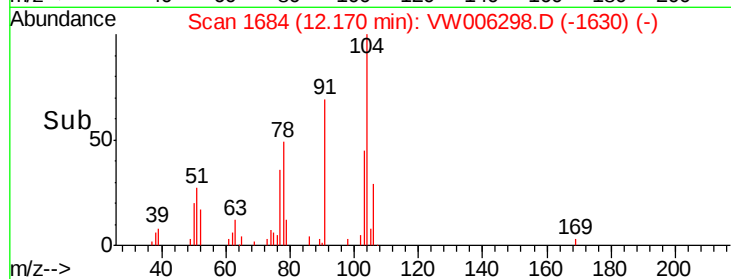
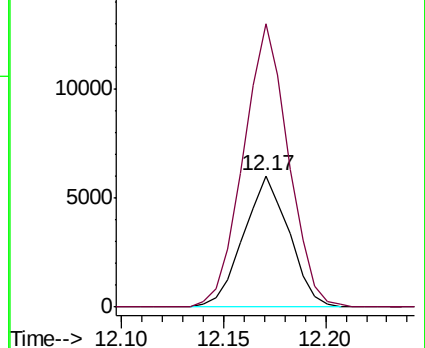
106 100

91 215.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.004 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW006298.D

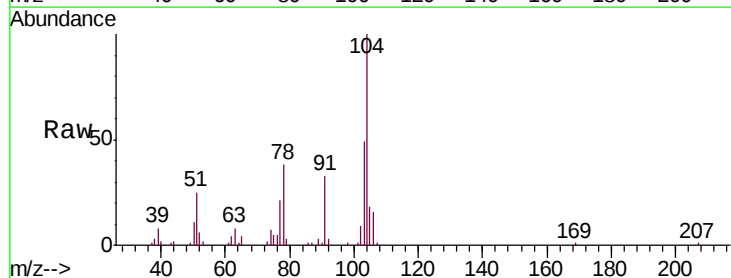
Acq: 23 Oct 2018 15:58

Tgt Ion:104 Resp: 15648

Ion Ratio Lower Upper

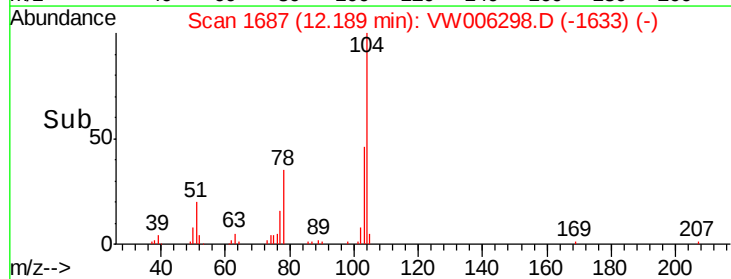
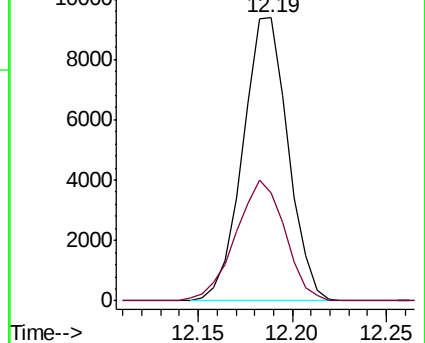
104 100

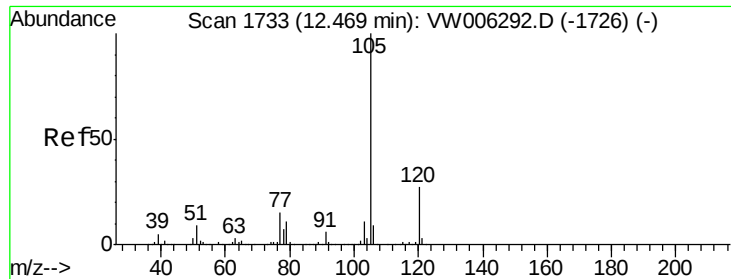
78 38.3 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.022 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

MDL

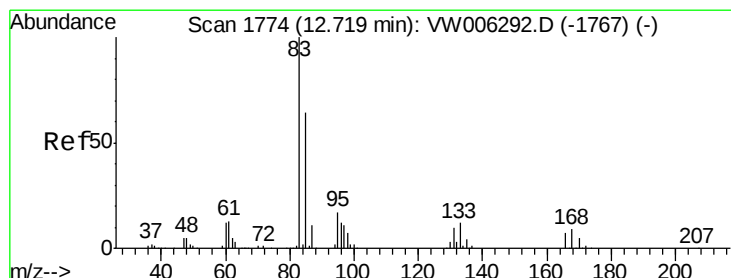
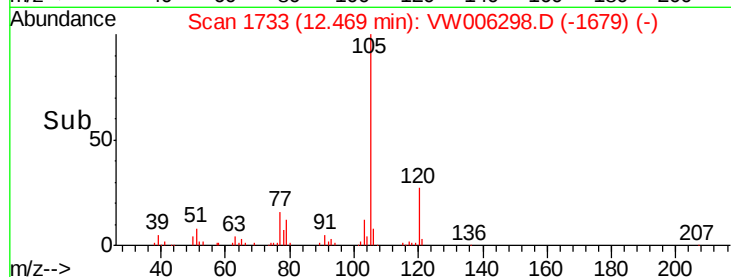
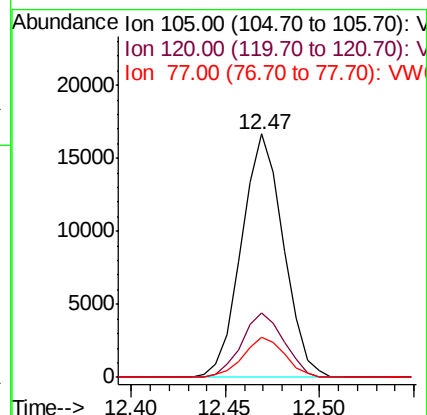
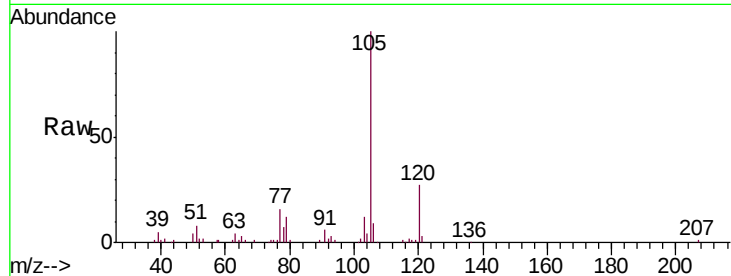
Tgt Ion: 105 Resp: 25740

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

77 16.3 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 1.179 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

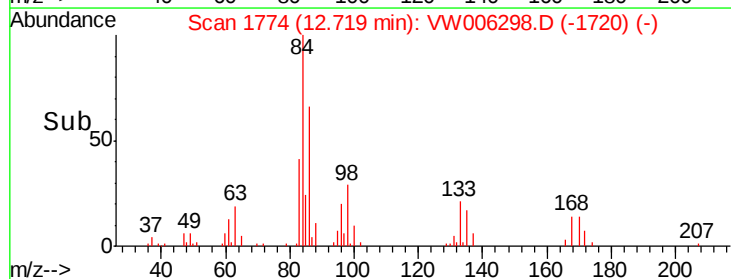
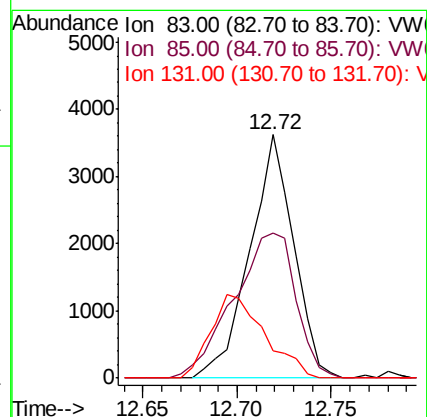
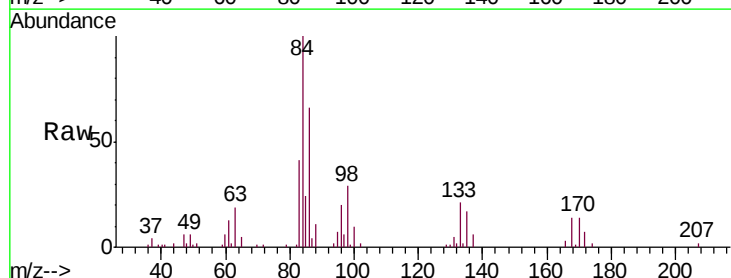
Tgt Ion: 83 Resp: 5852

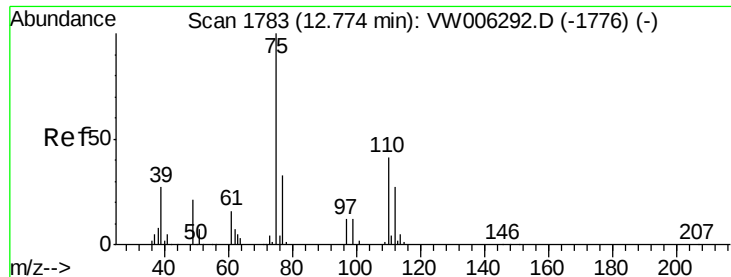
Ion Ratio Lower Upper

83 100

85 59.6 44.8 83.2

131 11.2 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 1.116 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

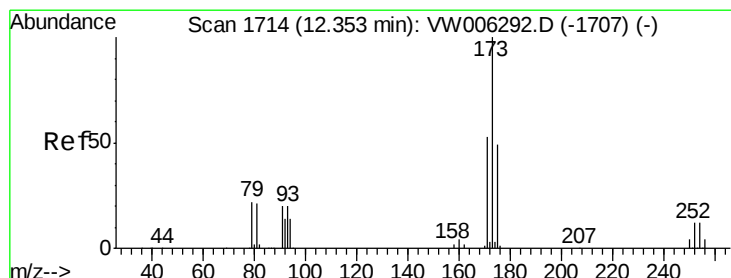
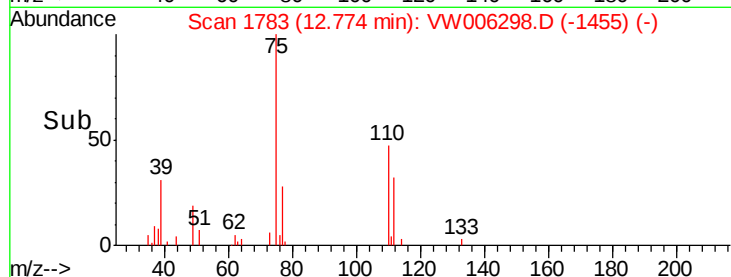
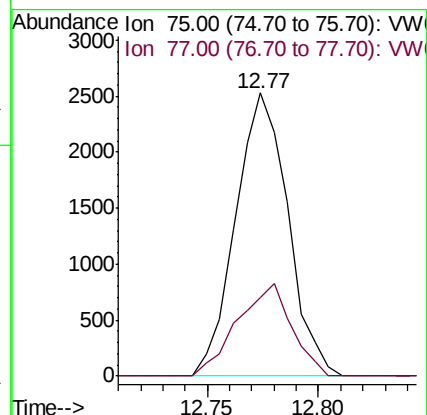
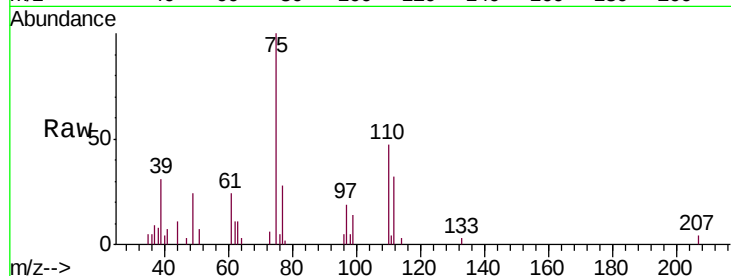
MDL

Tgt Ion: 75 Resp: 4134

Ion Ratio Lower Upper

75 100

77 33.7 25.9 38.9



#62

Bromoform

Concen: 0.843 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

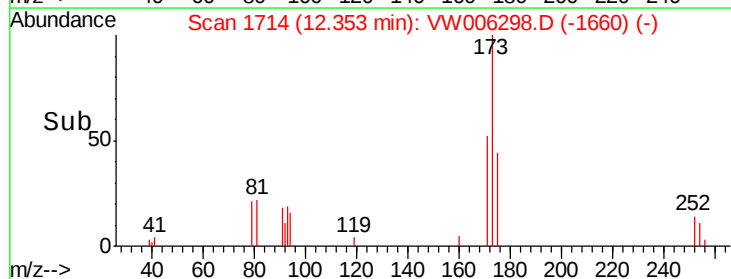
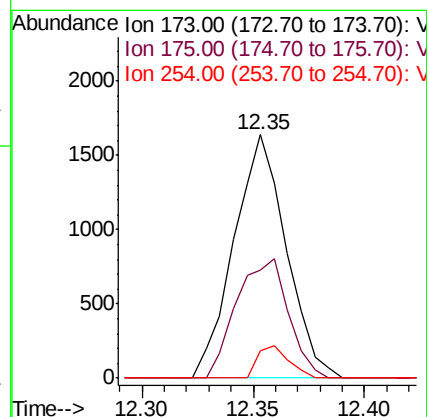
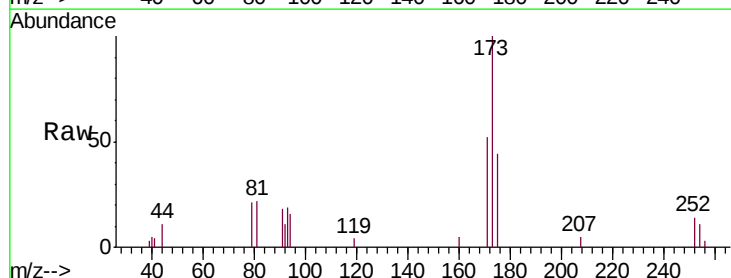
Tgt Ion: 173 Resp: 2676

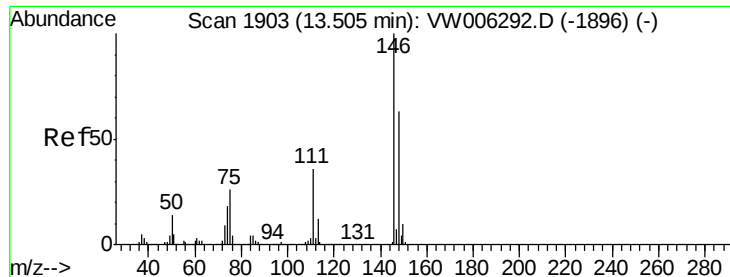
Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 8.0 9.2 13.8#





#63

1,3-Dichlorobenzene

Concen: 1.146 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL

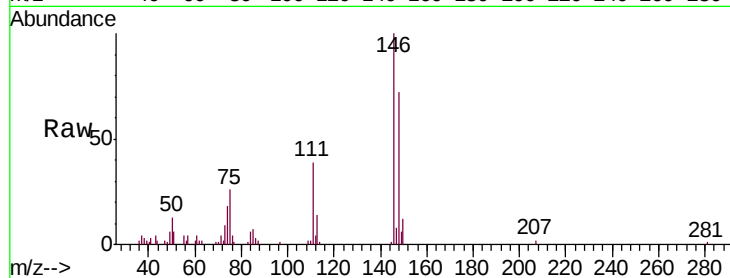
Tgt Ion:146 Resp: 13333

Ion Ratio Lower Upper

146 100

111 39.3 26.3 48.9

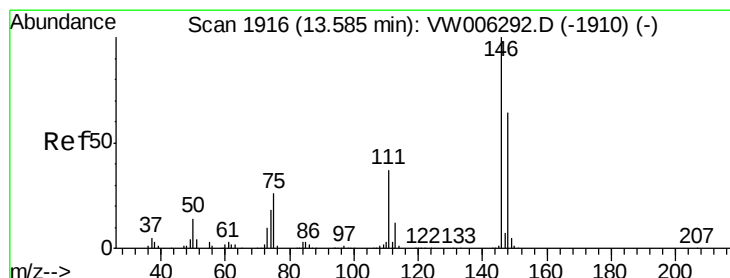
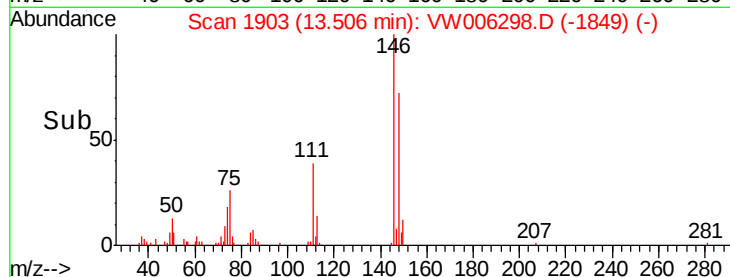
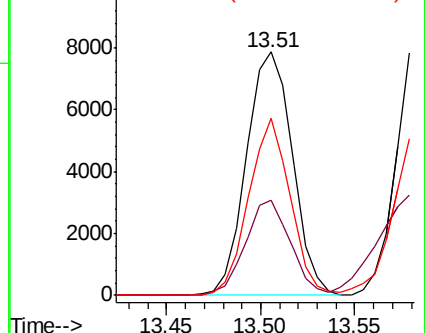
148 72.5 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 1.198 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

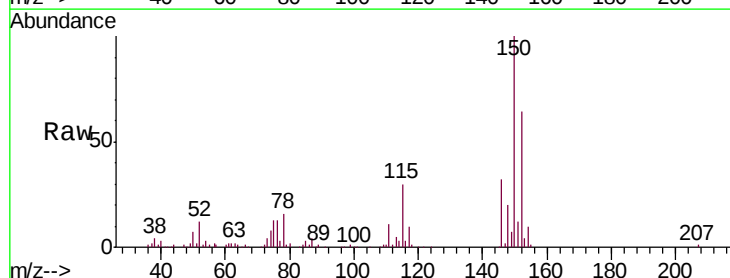
Tgt Ion:146 Resp: 14032

Ion Ratio Lower Upper

146 100

111 34.5 24.7 45.9

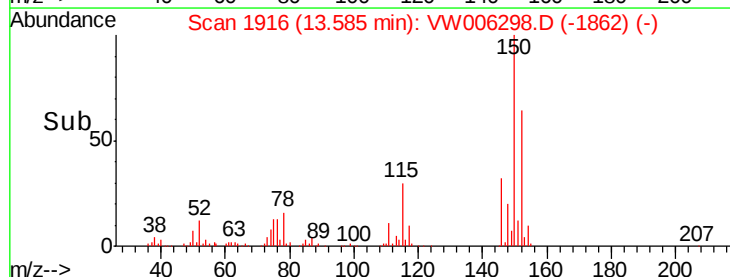
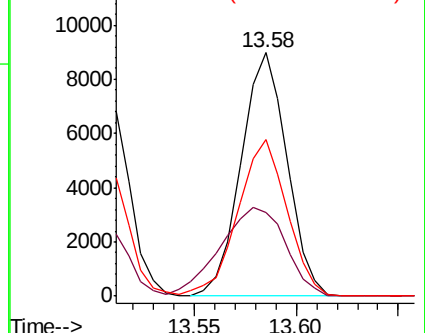
148 64.2 44.9 83.5

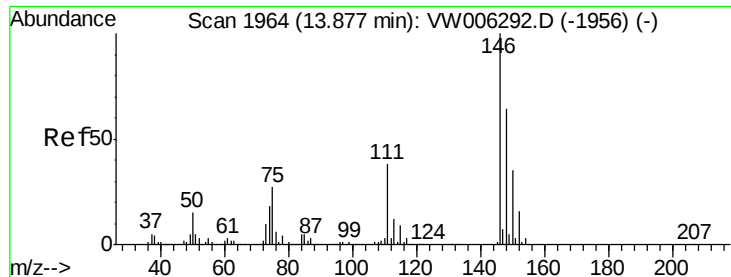


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.214 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampled :

MDL

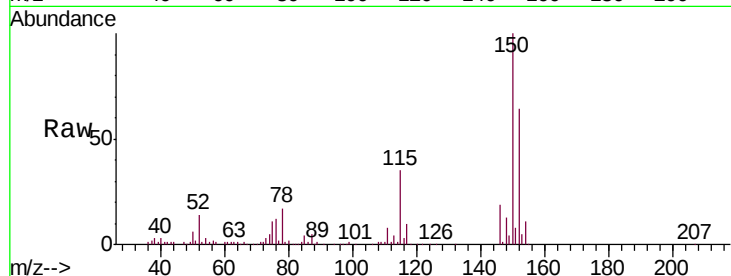
Tgt Ion:146 Resp: 12991

Ion Ratio Lower Upper

146 100

111 43.1 31.1 46.7

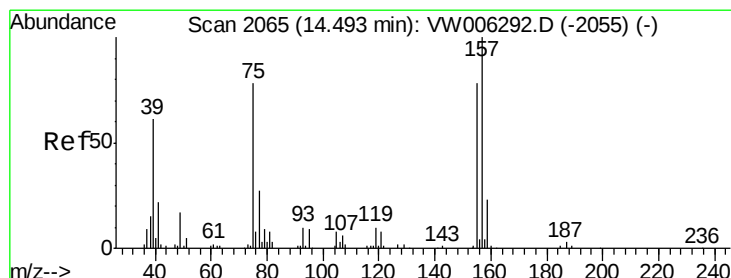
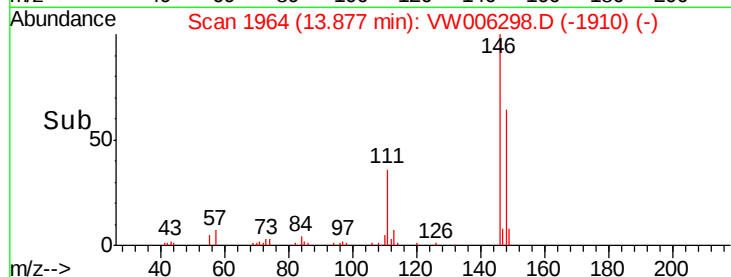
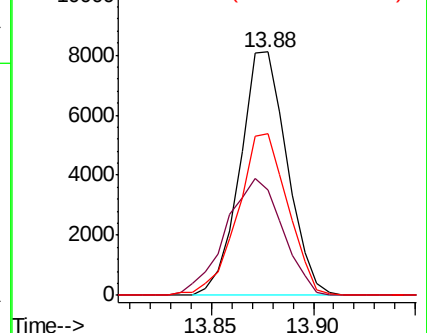
148 66.4 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.058 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.14 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

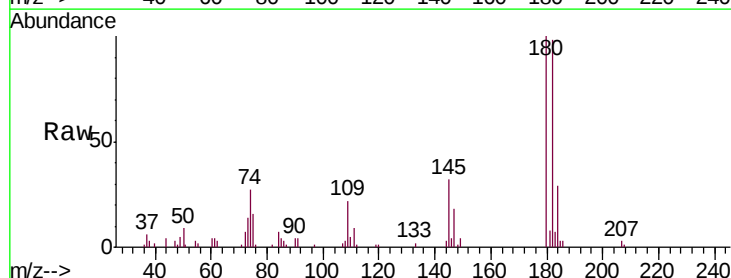
Tgt Ion: 75 Resp: 1773

Ion Ratio Lower Upper

75 100

157 0.0 106.8 160.2#

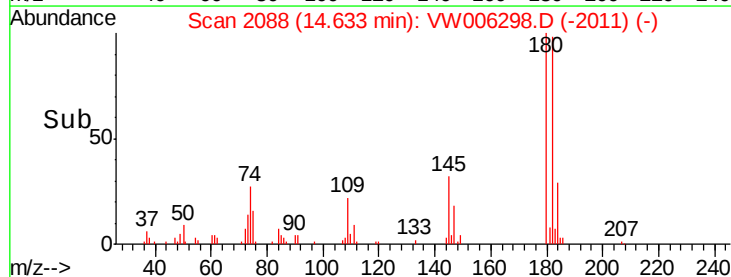
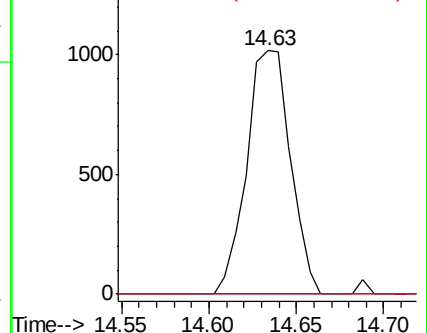
155 0.0 79.2 118.8#

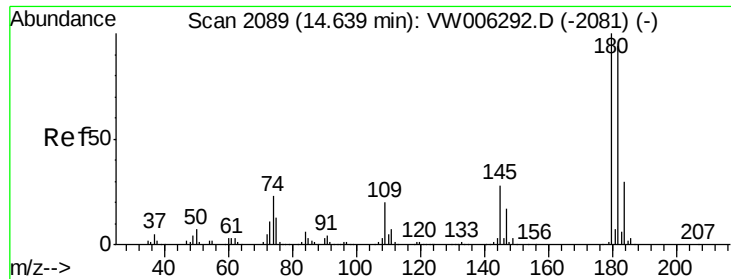


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

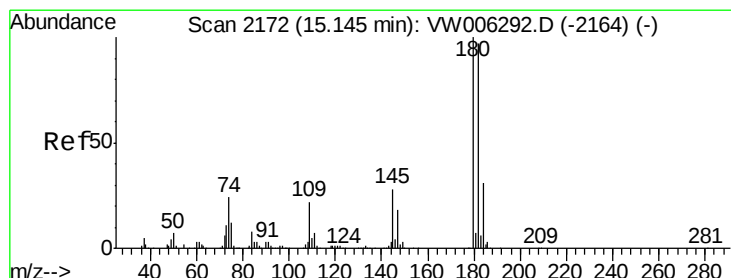
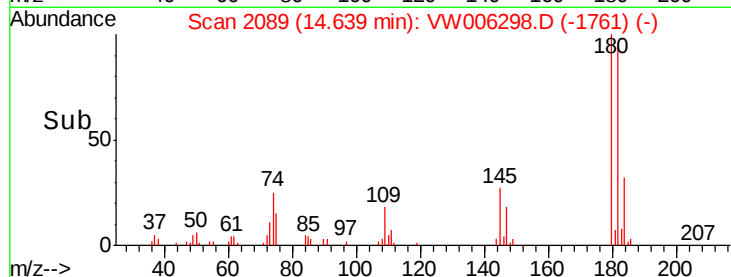
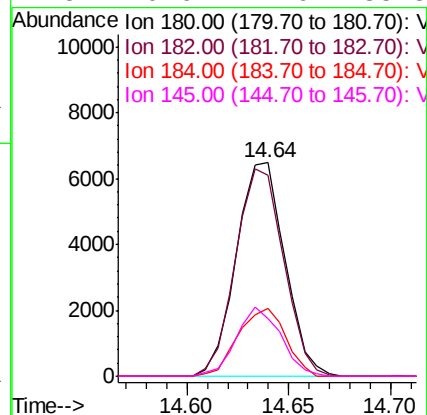
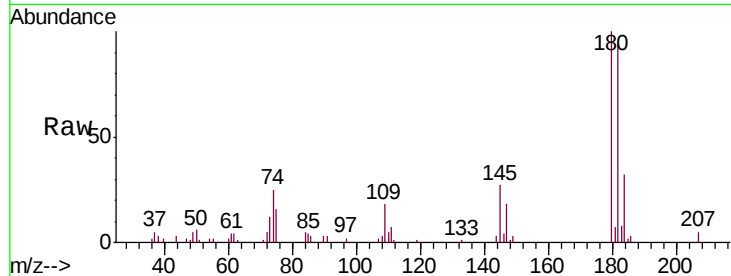




#67
 1,3,5-Trichlorobenzene
 Concen: 1.141 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

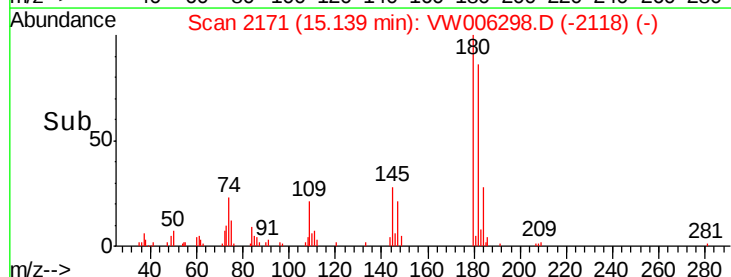
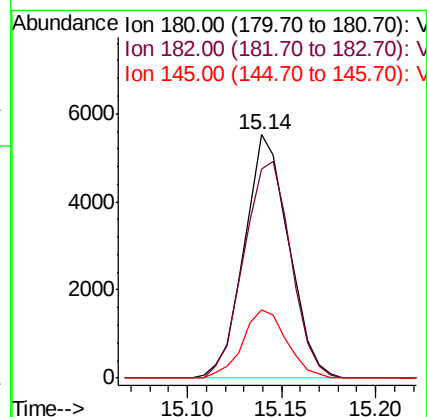
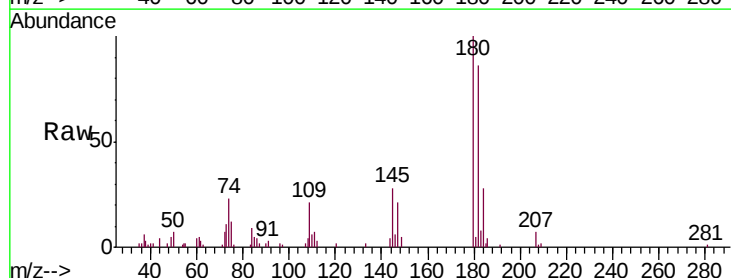
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL

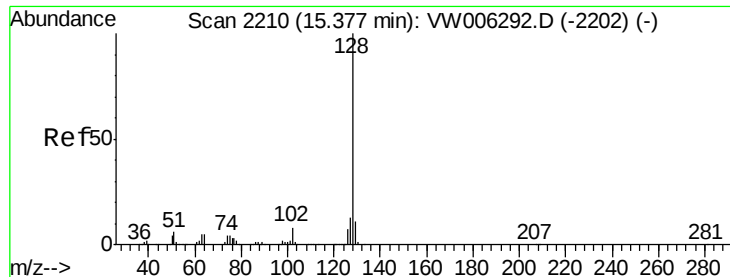
Tgt Ion:	180	Resp:	10705
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
184	31.1	24.3	36.5
145	29.6	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 1.134 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006298.D
 Acq: 23 Oct 2018 15:58

Tgt Ion:	180	Resp:	9066
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	27.8	23.0	34.6





#69

Naphthalene

Concen: 0.948 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL

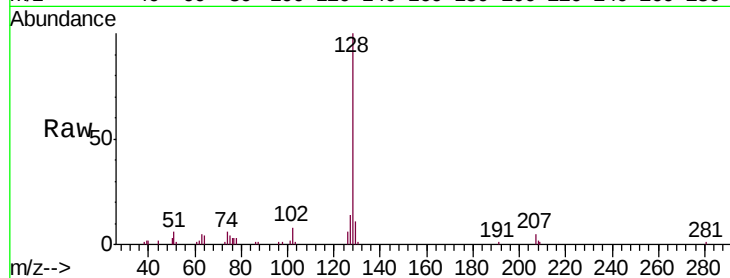
Tgt Ion:128 Resp: 15351

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

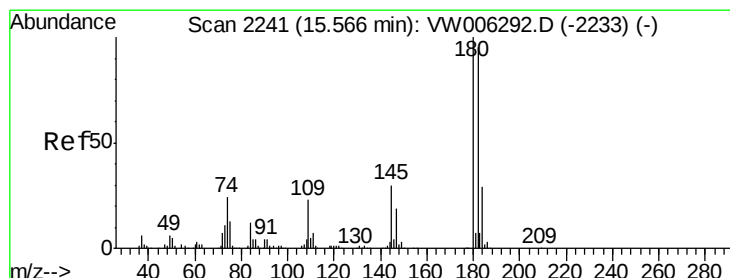
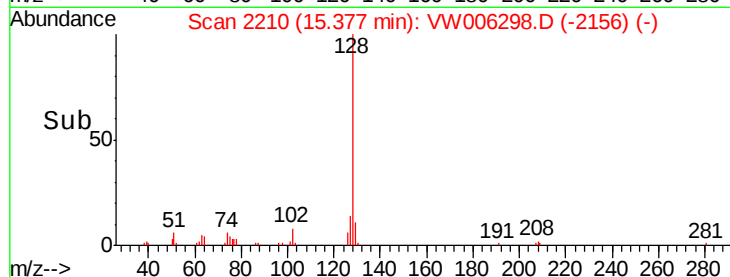
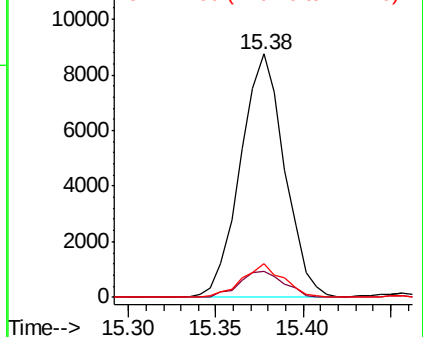
127 12.8 10.5 15.7



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: 1.140 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006298.D

Acq: 23 Oct 2018 15:58

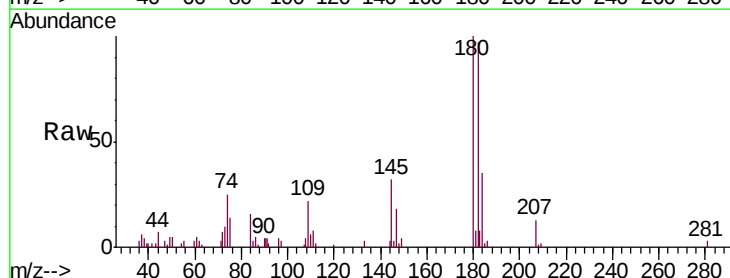
Tgt Ion:180 Resp: 8194

Ion Ratio Lower Upper

180 100

182 94.8 75.5 113.3

145 30.7 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

