

Data File : VW006297.D
Acq On : 23 Oct 2018 15:33
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 02:03:38 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	407011	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387992	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	203716	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82695	18.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.08%
7) Chloroethane-d5	2.90	69	79761	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.76%
10) 1,1-Dichloroethene-d2	4.01	63	138970	15.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.08%
20) 2-Butanone-d5	7.08	46	59611	39.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.36%
24) Chloroform-d	7.65	84	195047	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.31	65	112280	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.08%
29) Benzene-d6	8.27	84	397288	22.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.20%
33) 1,2-Dichloropropane-d6	9.28	67	116133	21.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.36%
37) Toluene-d8	10.33	98	392084	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.04%
38) trans-1,3-Dichloropropene-	10.58	79	47987	18.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.28%
39) 2-Hexanone-d5	10.93	63	49270	38.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.72%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	108691	21.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	164865	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3658	0.951 ug/L #	76
3) Chloromethane	2.21	50	4605	1.219 ug/L	98
5) Vinyl chloride	2.37	62	6197	1.018 ug/L #	71
6) Bromomethane	2.79	94	4292	0.905 ug/L	96
8) Chloroethane	2.93	64	3724	0.998 ug/L	97
9) Trichlorofluoromethane	3.26	101	4888	1.003 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	3397	0.698 ug/L #	86
12) 1,1-Dichloroethene	4.03	96	5807	1.243 ug/L #	1
13) Acetone	4.12	43	4143	2.695 ug/L	68
14) Carbon disulfide	4.37	76	12745	0.834 ug/L	96
15) Methyl Acetate	4.68	43	2412	0.969 ug/L	95
16) Methylene chloride	4.92	84	12734	2.423 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	7146	0.939 ug/L #	69
18) trans-1,2-Dichloroethene	5.43	96	5248	1.014 ug/L	84
19) 1,1-Dichloroethane	6.22	63	8287	0.990 ug/L #	95
21) 2-Butanone	7.18	43	2462	1.205 ug/L	89
22) cis-1,2-Dichloroethene	7.17	96	5792	1.026 ug/L	98

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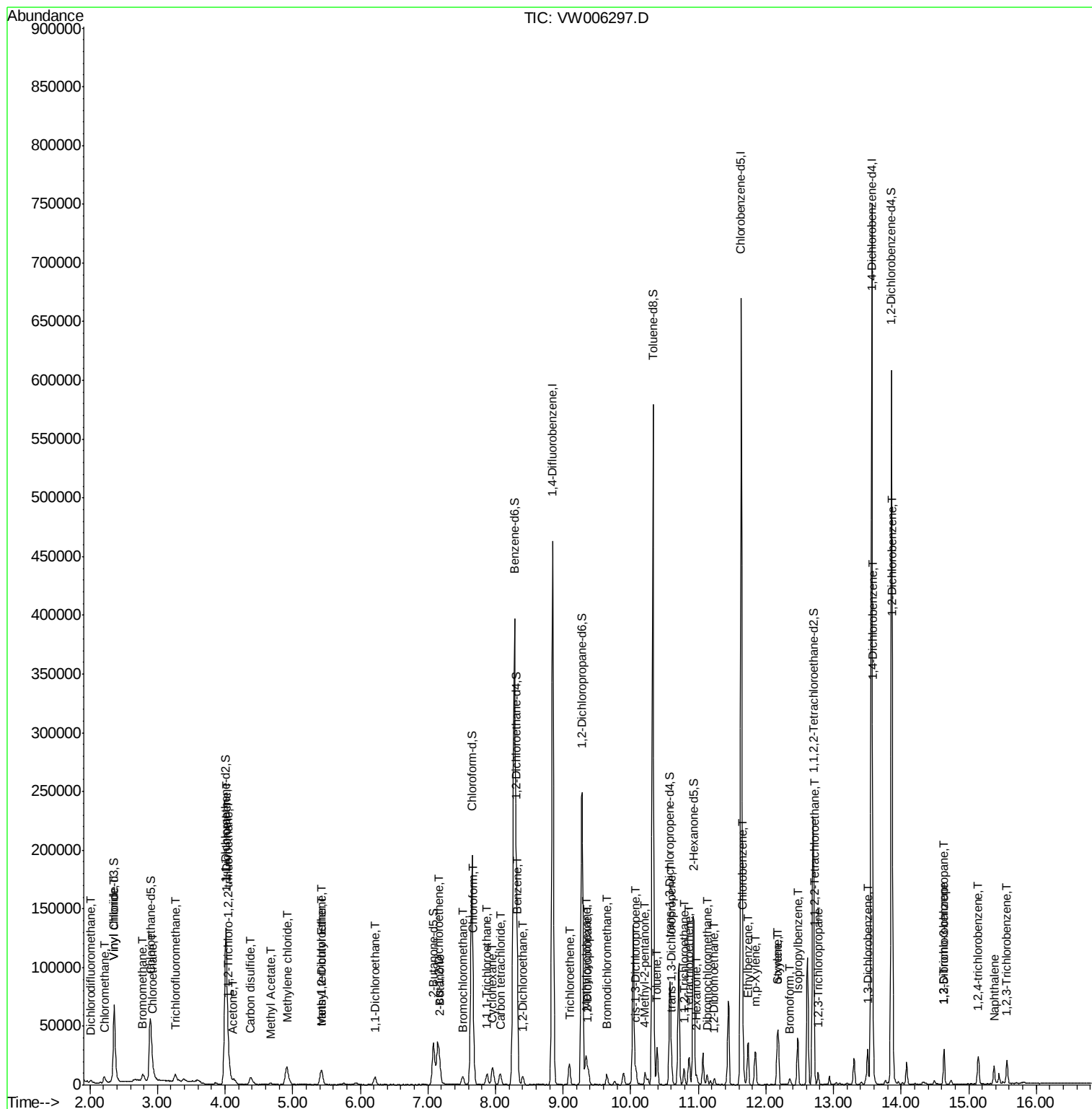
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	2750	1.036	ug/L	96
25) Chloroform	7.68	83	9945	1.104	ug/L	77
27) 1,2-Dichloroethane	8.40	62	6583	1.072	ug/L	96
30) Cyclohexane	7.96	56	8047	0.944	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	7507	0.925	ug/L	96
32) Carbon tetrachloride	8.07	117	7309	0.918	ug/L	96
34) Benzene	8.33	78	19869	0.998	ug/L	100
35) Trichloroethene	9.10	95	5580	0.996	ug/L	99
36) Methylcyclohexane	9.34	83	9877	0.962	ug/L	100
40) 1,2-Dichloropropane	9.37	63	4926	0.997	ug/L #	96
41) Bromodichloromethane	9.65	83	5731	0.859	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	6779	0.840	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	6953	1.756	ug/L	98
44) Toluene	10.39	91	23440	1.048	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	8555	1.214	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3978	0.967	ug/L	95
47) Tetrachloroethene	10.87	164	5179	0.998	ug/L	90
49) 2-Hexanone	10.98	43	4604	1.578	ug/L	99
50) Dibromochloromethane	11.13	129	4150	0.787	ug/L	91
51) 1,2-Dibromoethane	11.24	107	3872	0.904	ug/L #	94
52) Chlorobenzene	11.66	112	15217	1.005	ug/L	99
53) Ethylbenzene	11.74	91	25359	0.974	ug/L	99
54) m,p-Xylene	11.85	106	9233	0.905	ug/L	94
55) o-xylene	12.17	106	9118	0.936	ug/L	86
56) Styrene	12.18	104	14281	0.851	ug/L	96
57) Isopropylbenzene	12.47	105	24546	0.905	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	5646	1.056	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	3764	0.944	ug/L	100
62) Bromoform	12.35	173	2529	0.741	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	12065	0.964	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	13294	1.055	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	12455	1.082	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.63	75	1500	1.619	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.63	180	10132	1.005	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	8250	0.959	ug/L	97
69) Naphthalene	15.38	128	13632	0.783	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7459	0.966	ug/L	98

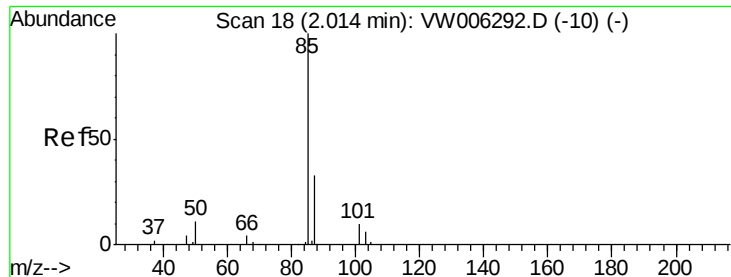
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.951 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

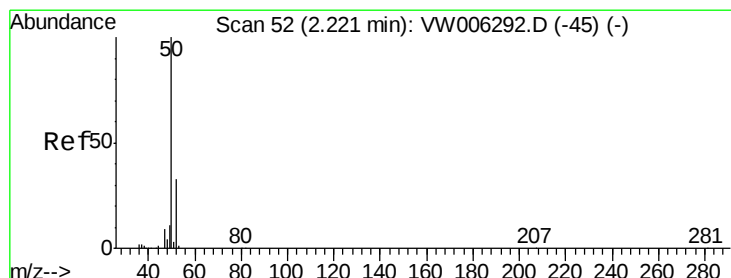
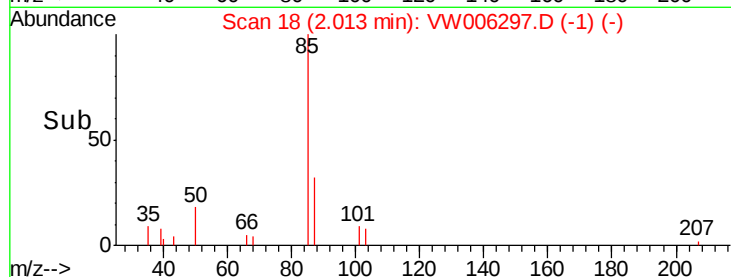
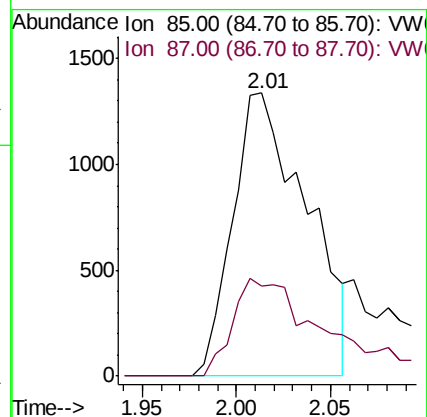
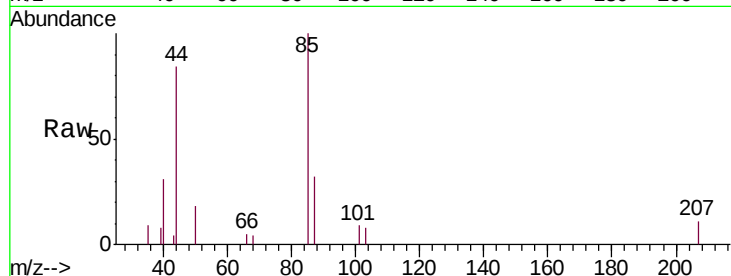
MDL

Tgt Ion: 85 Resp: 3658

Ion Ratio Lower Upper

85 100

87 14.9 19.2 35.6#



#3

Chloromethane

Concen: 1.219 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006297.D

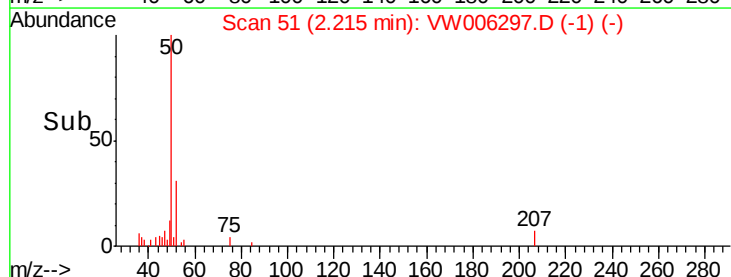
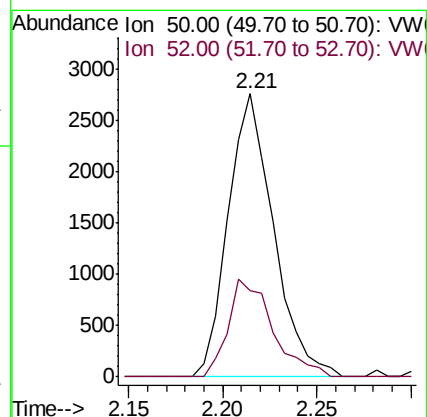
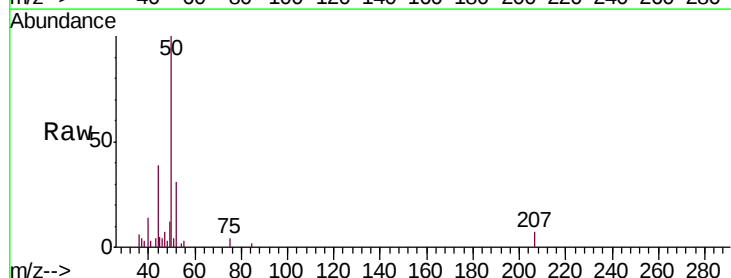
Acq: 23 Oct 2018 15:33

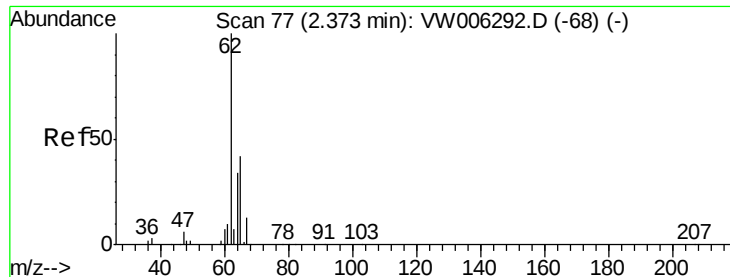
Tgt Ion: 50 Resp: 4605

Ion Ratio Lower Upper

50 100

52 30.7 22.3 41.3





#5

Vinyl chloride

Concen: 1.018 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

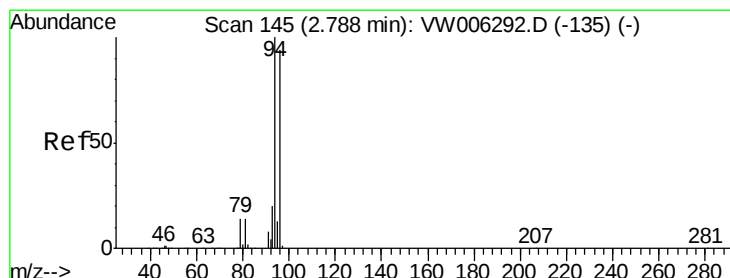
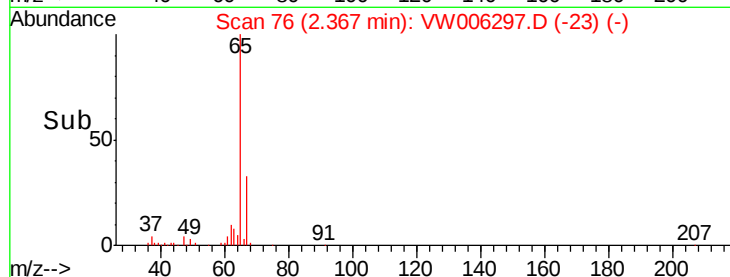
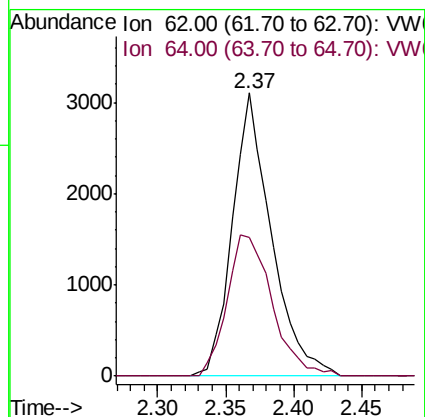
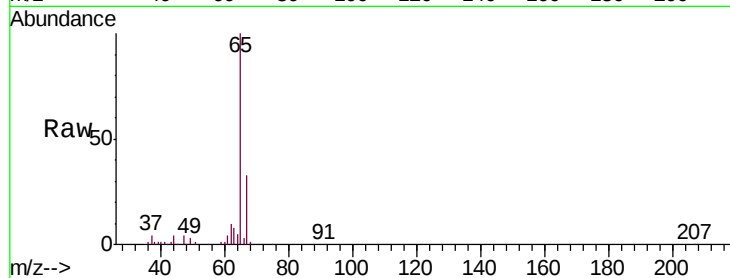
MDL

Tgt Ion: 62 Resp: 6197

Ion Ratio Lower Upper

62 100

64 49.0 22.7 42.3#



#6

Bromomethane

Concen: 0.905 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006297.D

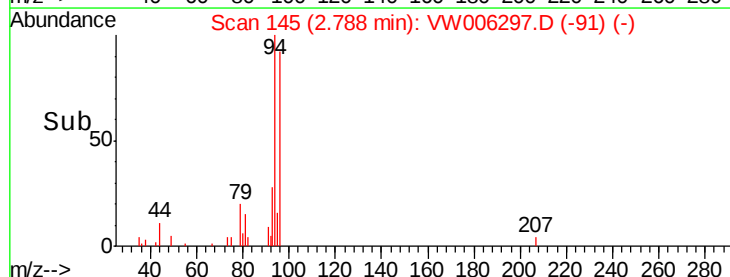
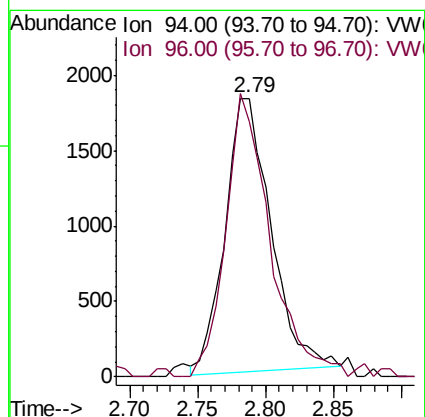
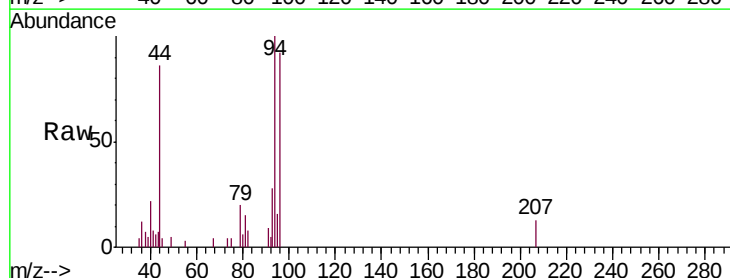
Acq: 23 Oct 2018 15:33

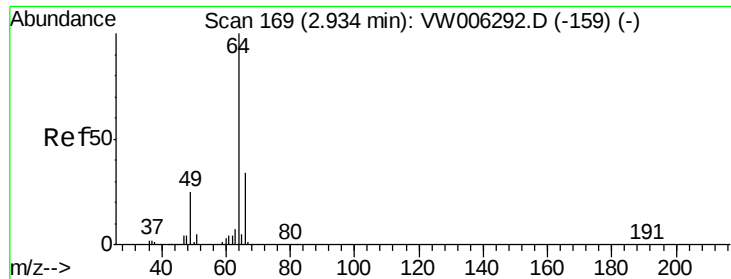
Tgt Ion: 94 Resp: 4292

Ion Ratio Lower Upper

94 100

96 99.3 9.5 181.3





#8

Chloroethane

Concen: 0.998 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

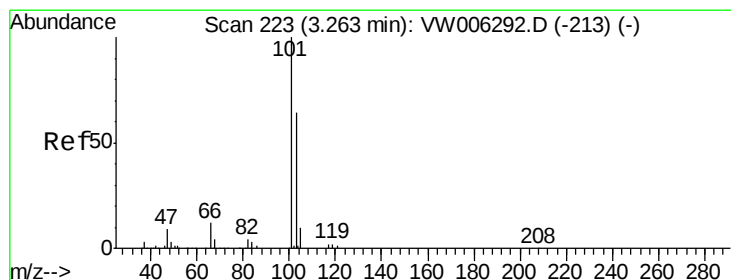
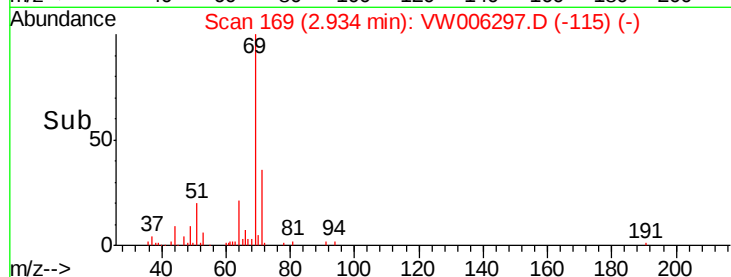
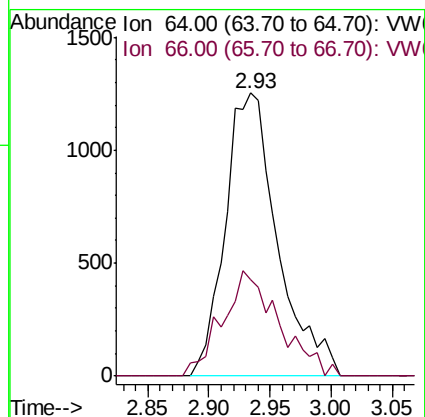
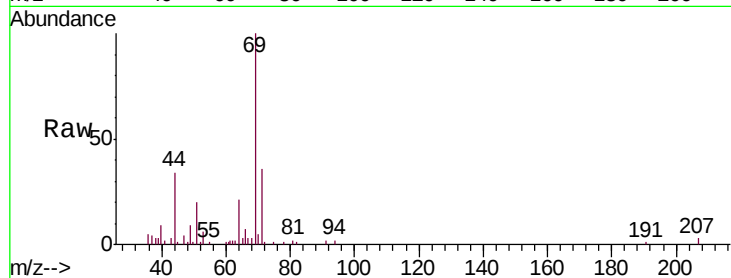
MDL

Tgt Ion: 64 Resp: 3724

Ion Ratio Lower Upper

64 100

66 34.0 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.003 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006297.D

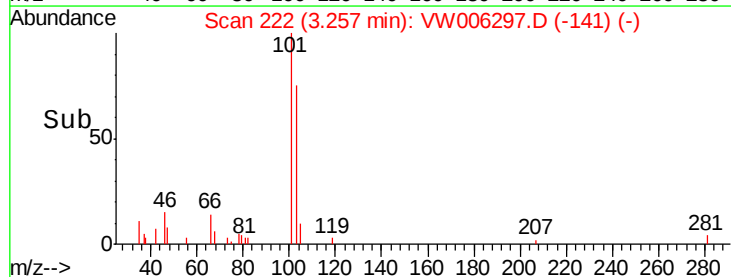
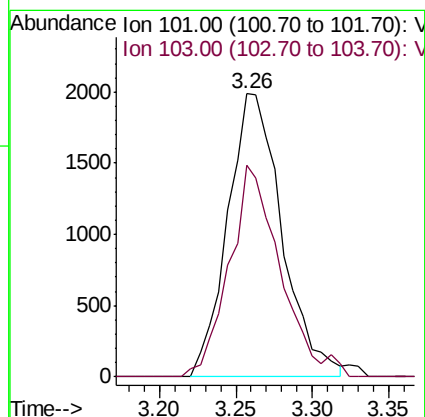
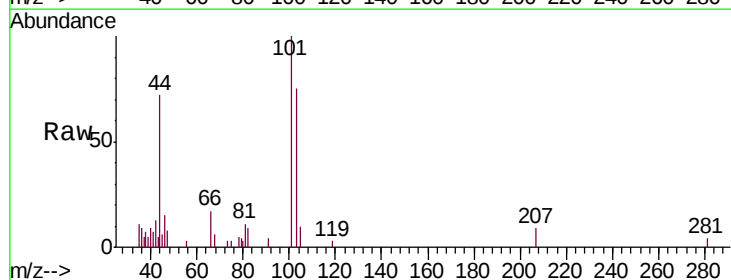
Acq: 23 Oct 2018 15:33

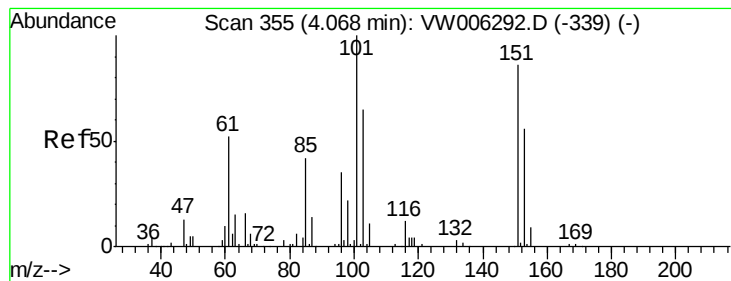
Tgt Ion: 101 Resp: 4888

Ion Ratio Lower Upper

101 100

103 68.6 45.6 84.6





#11

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

Concen: 0.698 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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ClientSampleId :

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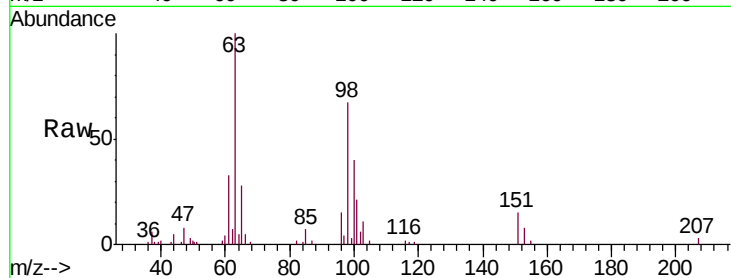
Tgt Ion: 101 Resp: 3397

Ion Ratio Lower Upper

101 100

85 51.0 33.4 50.2#

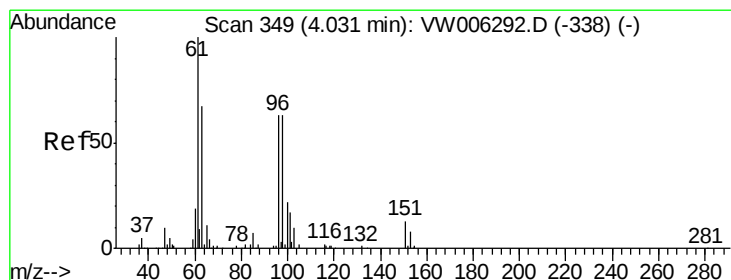
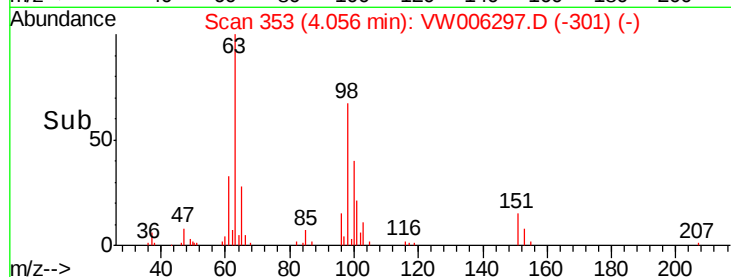
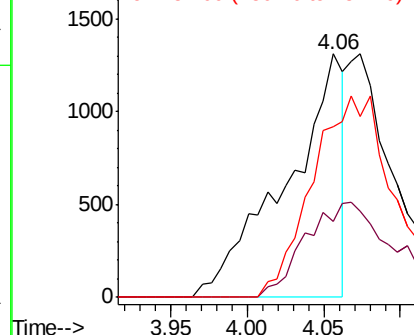
151 72.8 68.7 103.1



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: 1.243 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

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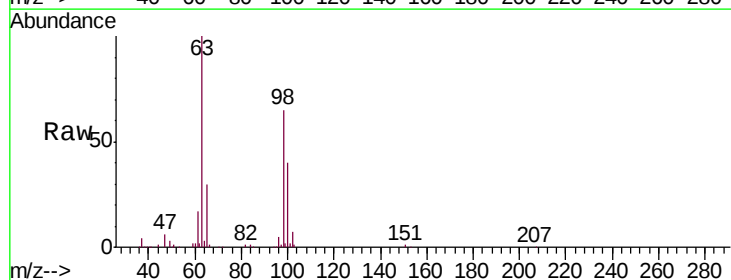
Tgt Ion: 96 Resp: 5807

Ion Ratio Lower Upper

96 100

61 344.8 112.3 208.7#

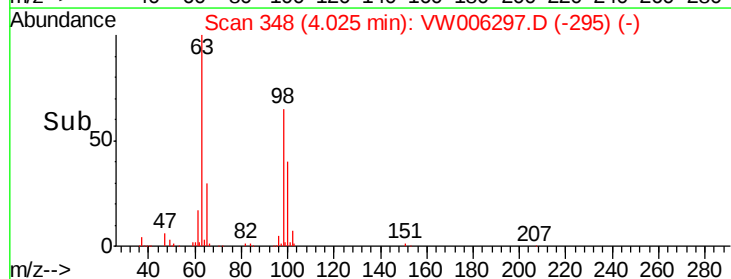
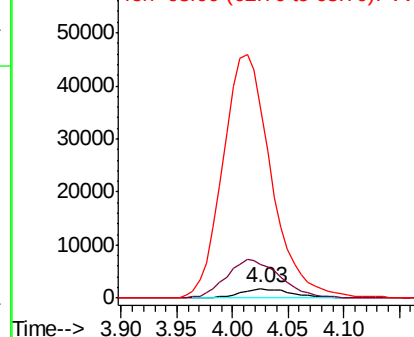
63 1976.6 102.6 190.6#

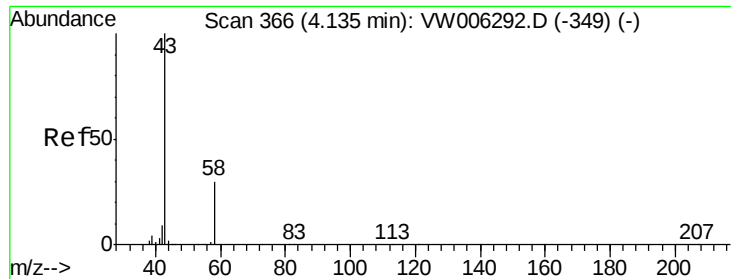


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.695 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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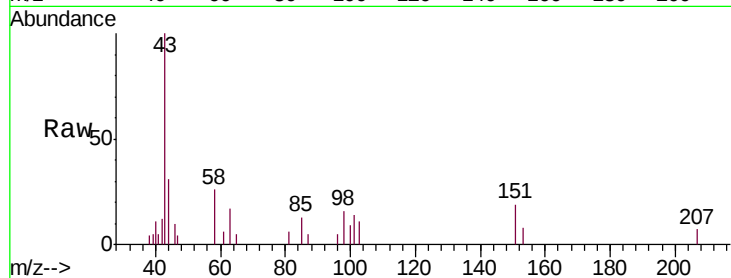
MDL

Tgt Ion: 43 Resp: 4143

Ion Ratio Lower Upper

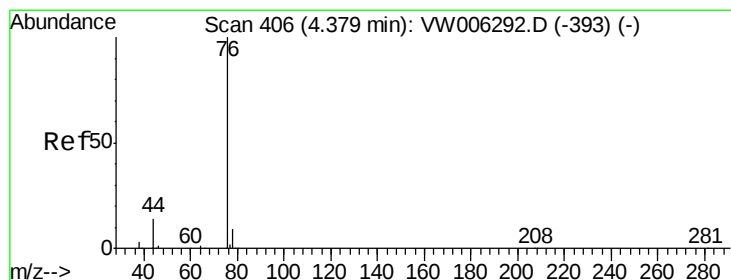
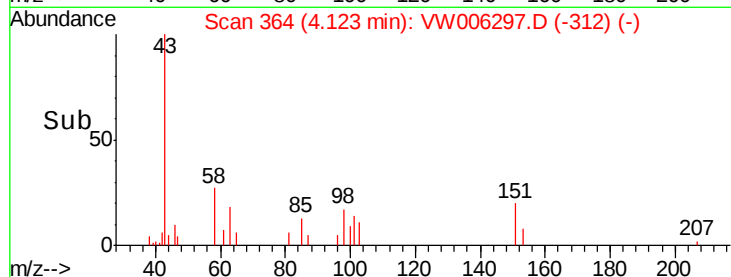
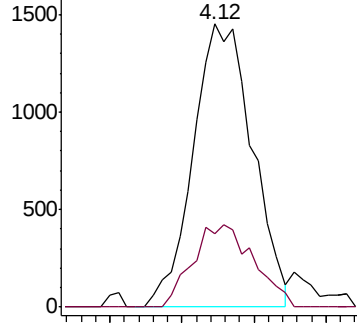
43 100

58 12.8 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: 0.834 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006297.D

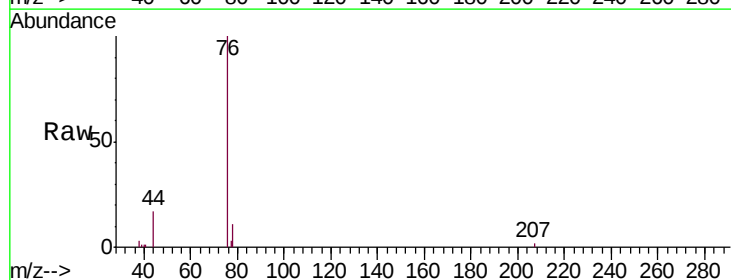
Acq: 23 Oct 2018 15:33

Tgt Ion: 76 Resp: 12745

Ion Ratio Lower Upper

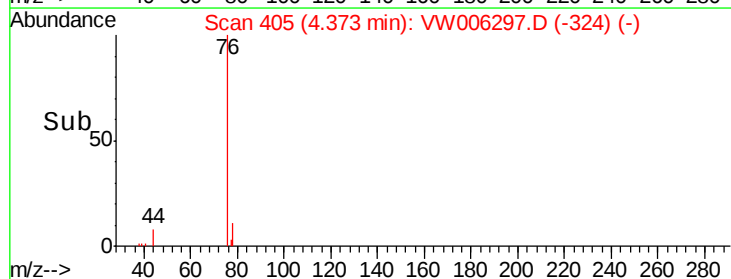
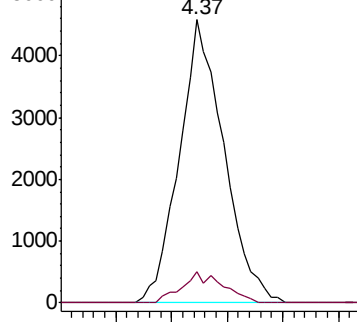
76 100

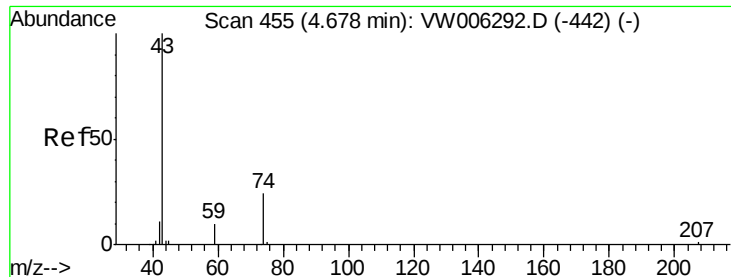
78 11.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

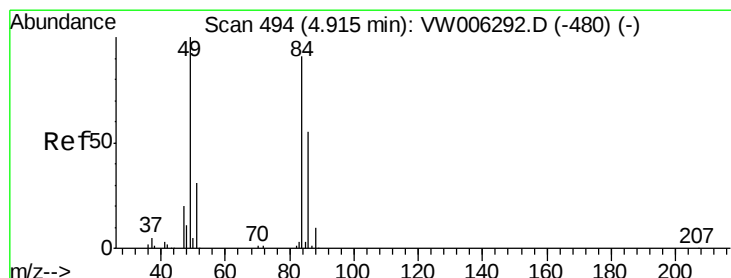
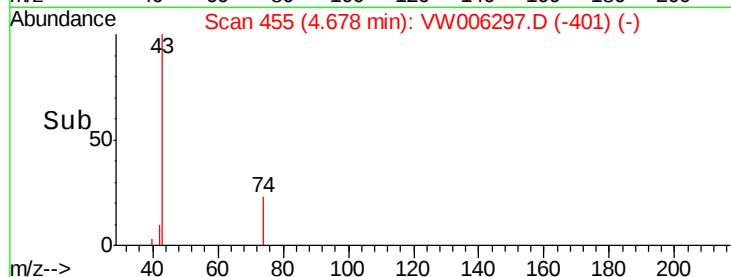
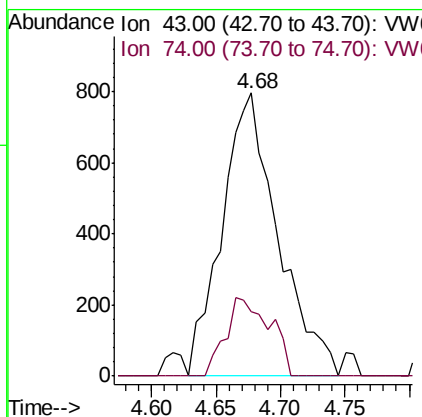
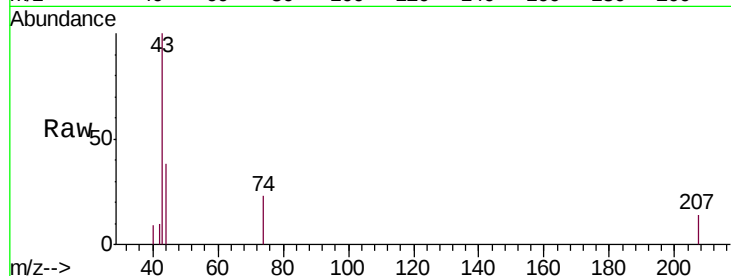




#15
Methyl Acetate
Concen: 0.969 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

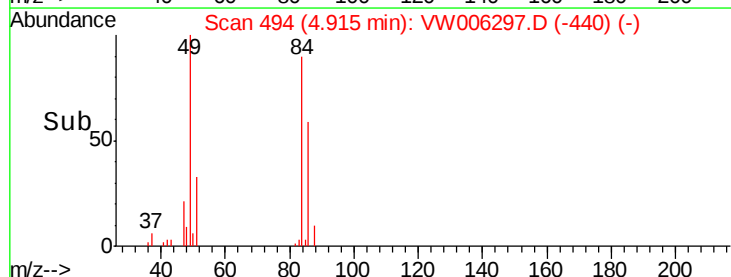
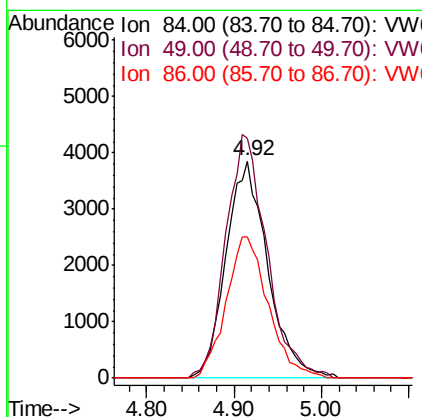
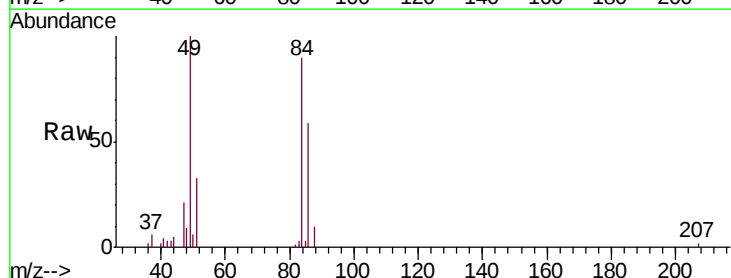
Instrument :
MSVOA_W
ClientSampled :
MDL

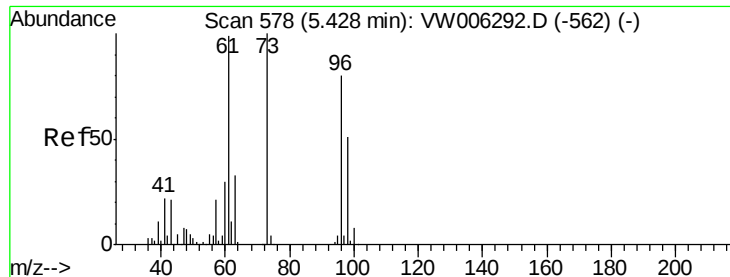
Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 22.1 19.4 29.2



#16
Methylene chloride
Concen: 2.423 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 84 Resp: 12734
Ion Ratio Lower Upper
84 100
49 110.9 83.5 155.1
86 65.1 44.9 83.5

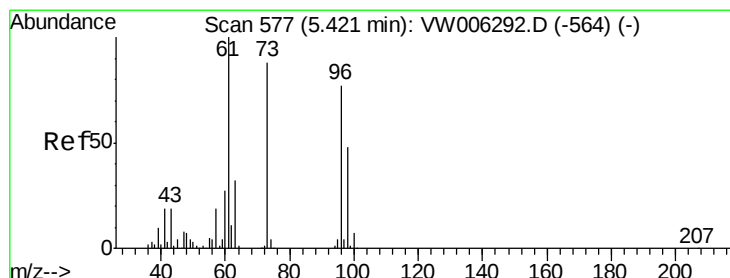
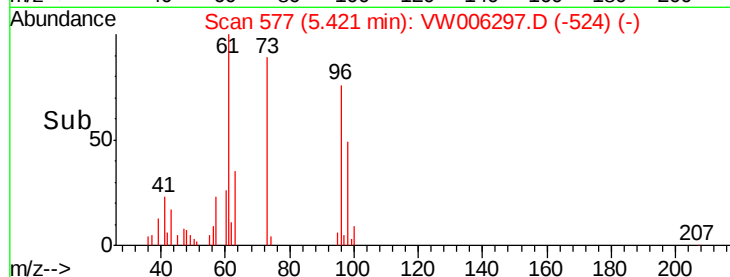
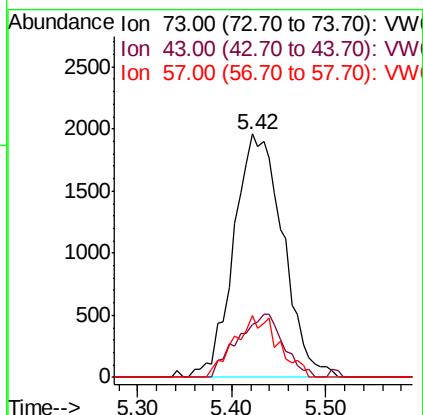
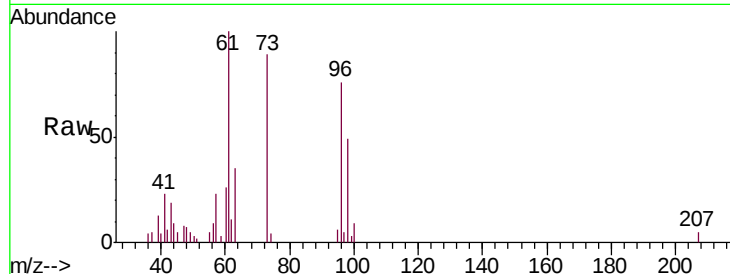




#17
Methyl tert-butyl Ether
Concen: 0.939 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

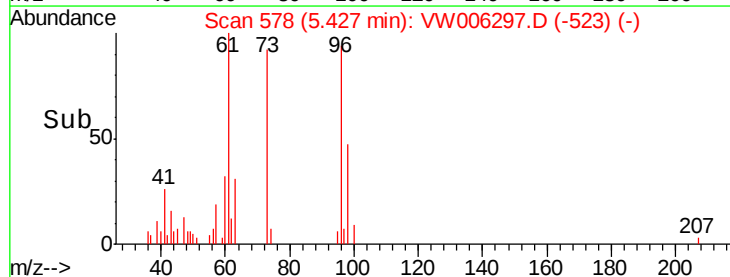
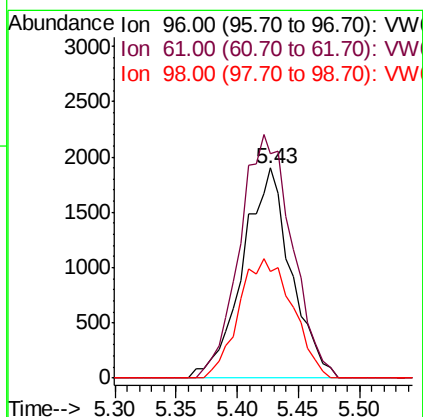
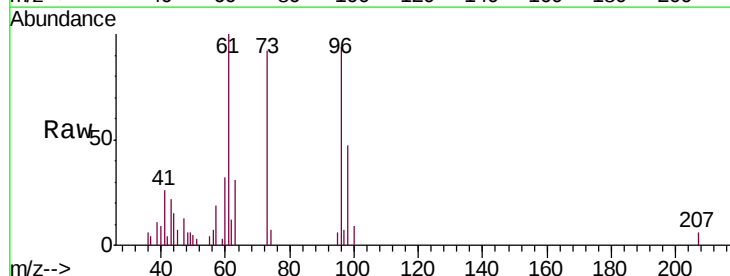
Instrument :
MSVOA_W
ClientSampled :
MDL

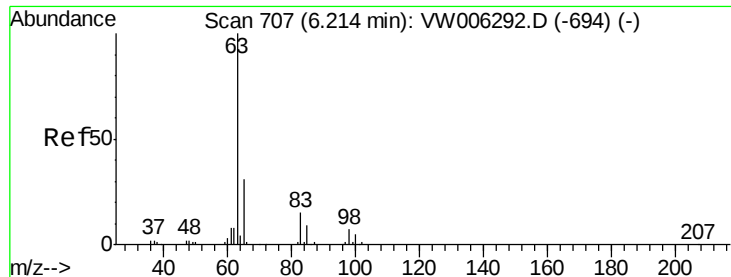
Tgt Ion: 73 Resp: 7146
Ion Ratio Lower Upper
73 100
43 0.9 17.0 25.4#
57 12.8 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 1.014 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 96 Resp: 5248
Ion Ratio Lower Upper
96 100
61 106.8 89.0 165.2
98 50.7 42.4 78.6





#19

1,1-Dichloroethane

Concen: 0.990 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

MDL

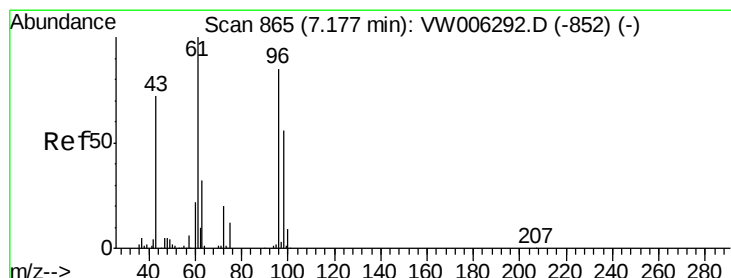
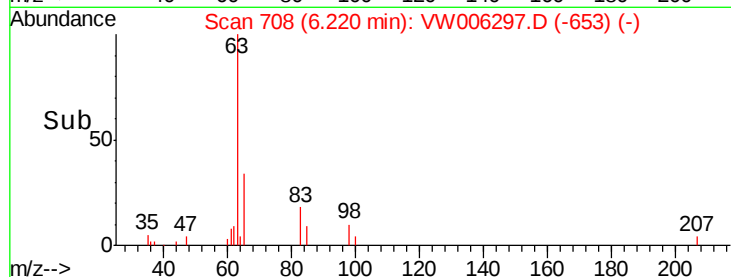
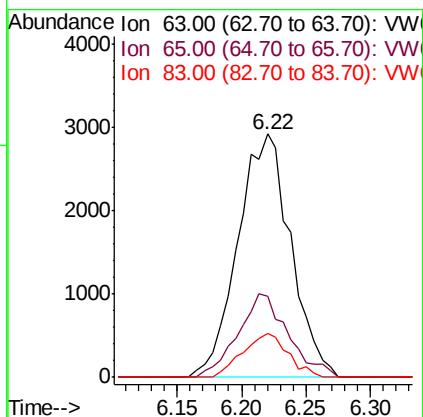
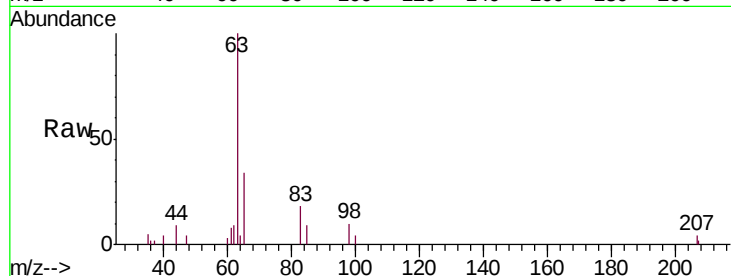
Tgt Ion: 63 Resp: 8287

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.5

83 18.2 9.7 18.1#



#21

2-Butanone

Concen: 1.205 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006297.D

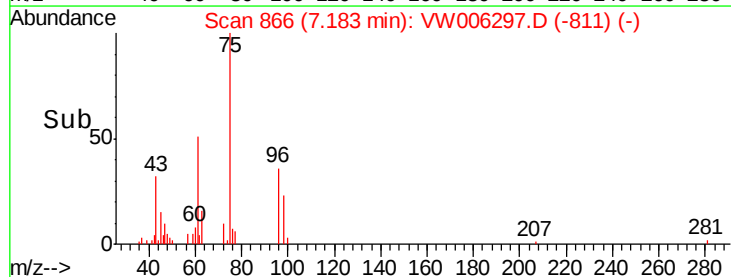
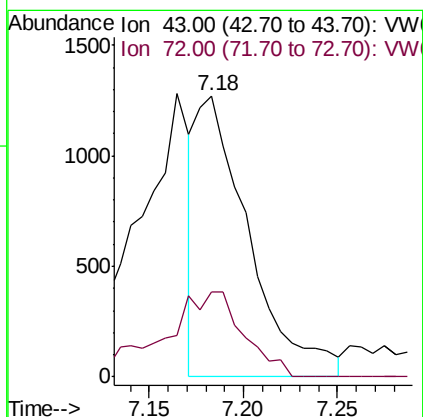
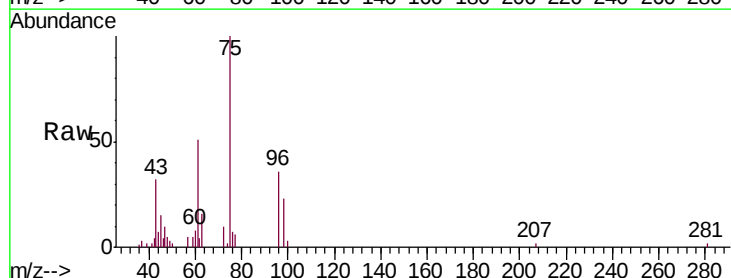
Acq: 23 Oct 2018 15:33

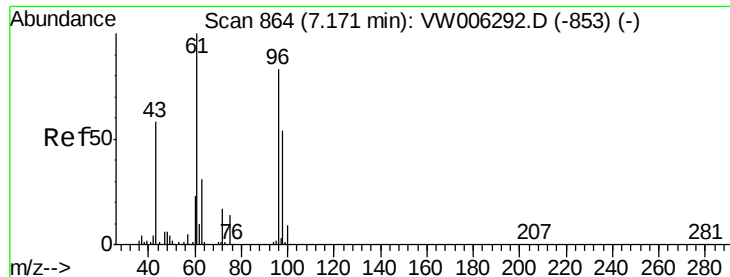
Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

72 21.8 13.8 41.4



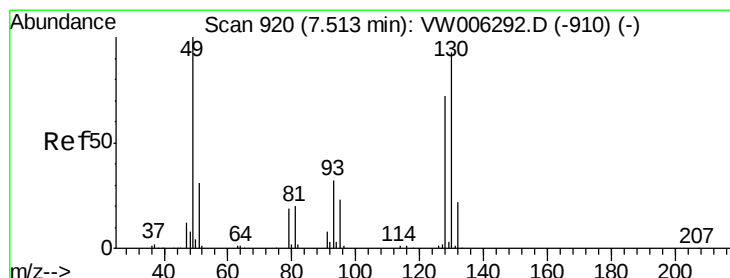
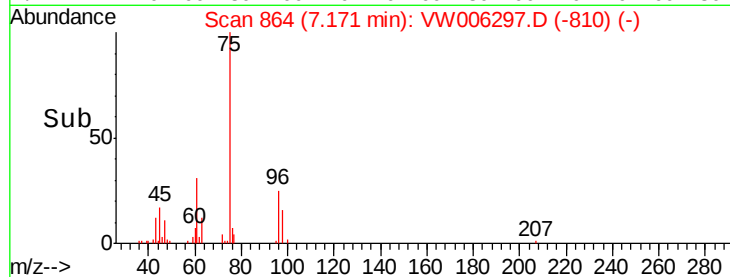
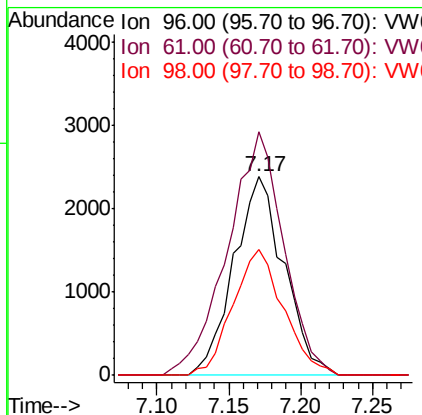
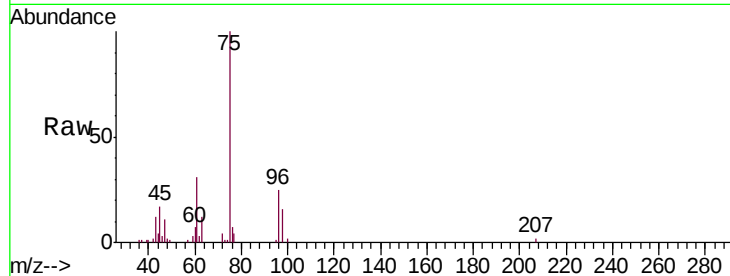


#22

cis-1,2-Dichloroethene
 Concen: 1.026 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

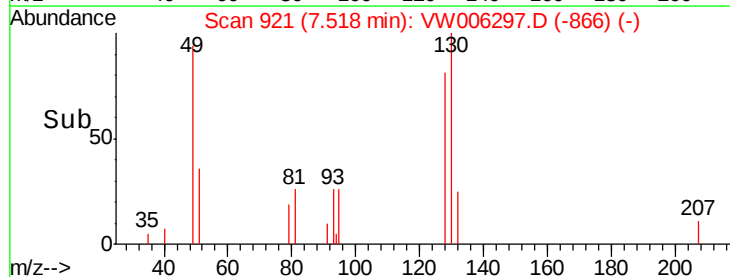
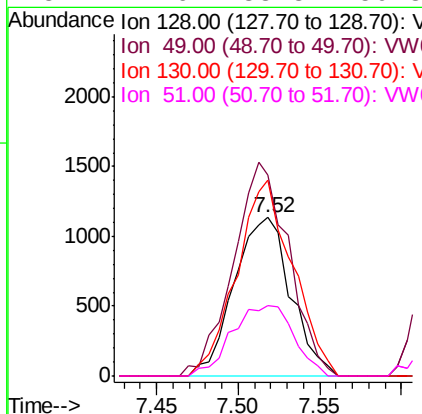
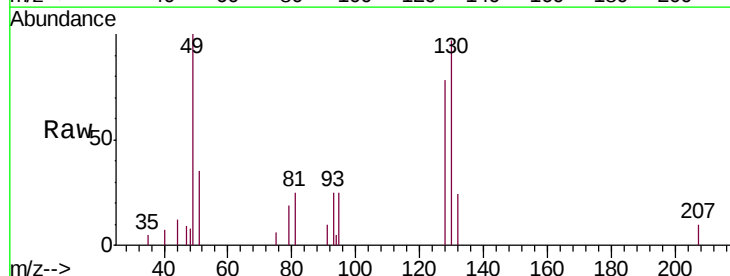
Tgt Ion: 96 Resp: 5792
 Ion Ratio Lower Upper
 96 100
 61 122.6 85.1 158.1
 98 63.0 46.3 86.1

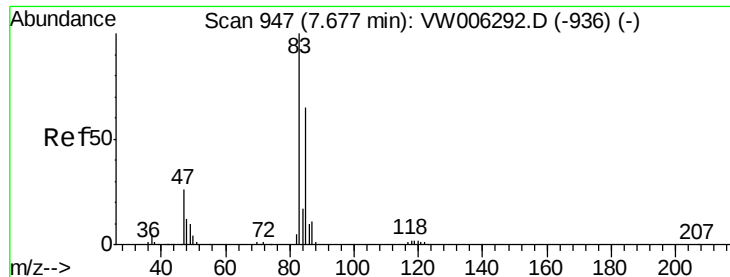


#23

Bromochloromethane
 Concen: 1.036 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Tgt Ion: 128 Resp: 2750
 Ion Ratio Lower Upper
 128 100
 49 127.4 95.2 176.8
 130 124.0 86.3 160.3
 51 44.6 33.8 50.8





#25

Chloroform

Concen: 1.104 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

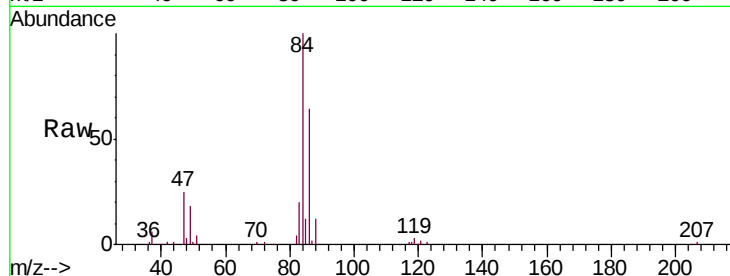
MDL

Tgt Ion: 83 Resp: 9945

Ion Ratio Lower Upper

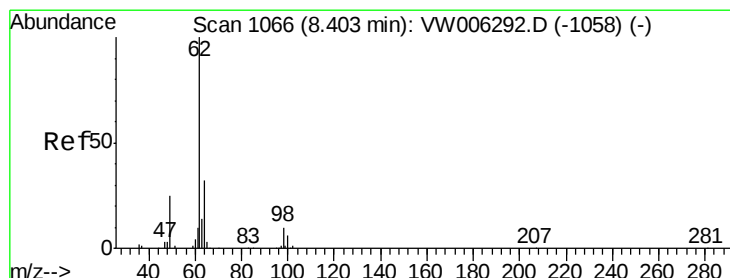
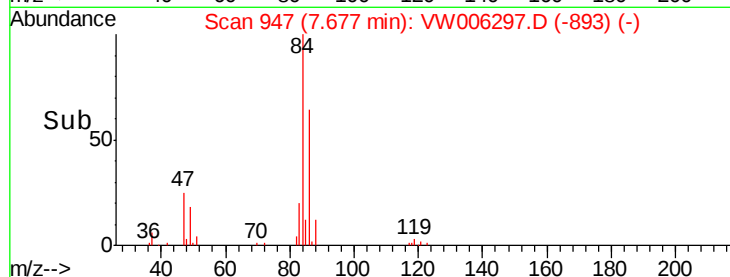
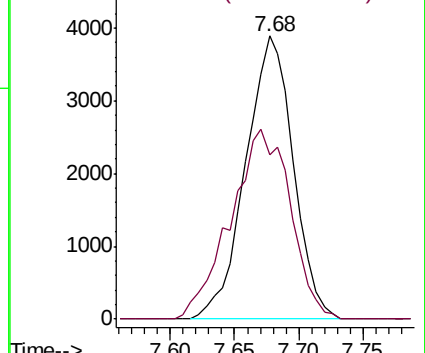
83 100

85 84.7 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 1.072 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006297.D

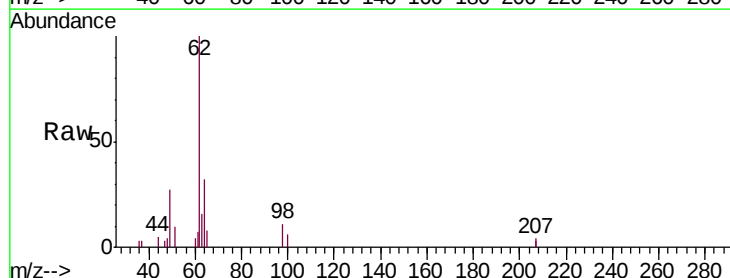
Acq: 23 Oct 2018 15:33

Tgt Ion: 62 Resp: 6583

Ion Ratio Lower Upper

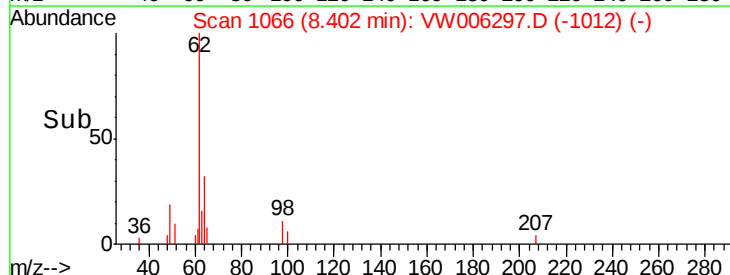
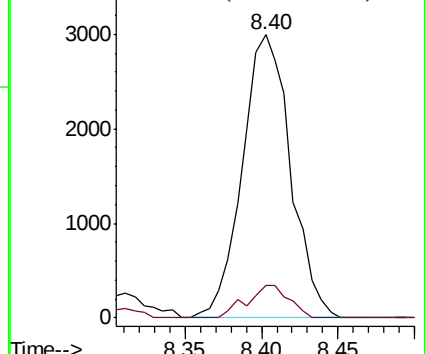
62 100

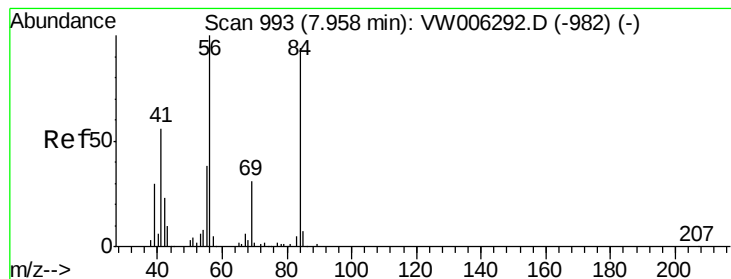
98 11.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 0.944 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

MDL

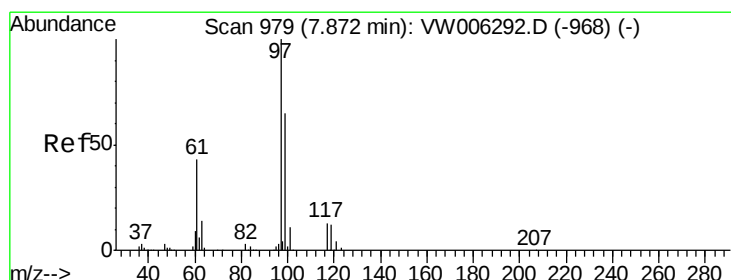
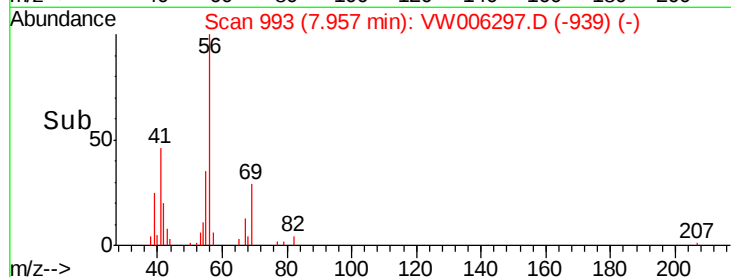
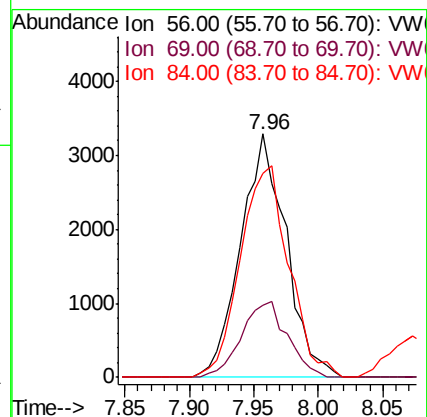
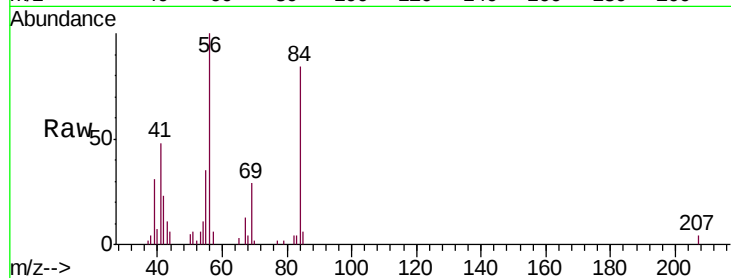
Tgt Ion: 56 Resp: 8047

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.0

84 92.9 73.9 110.9



#31

1,1,1-Trichloroethane

Concen: 0.925 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

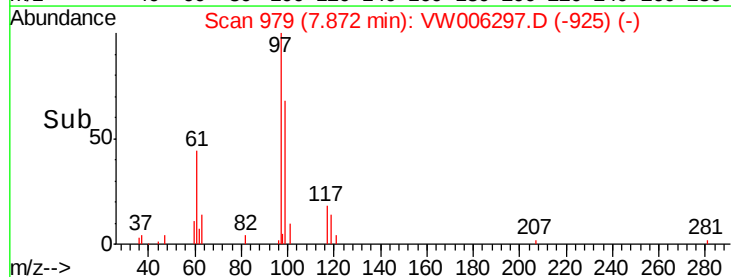
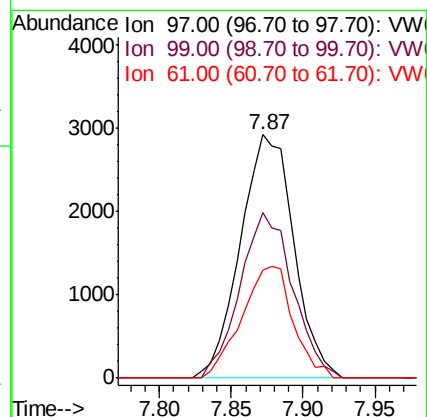
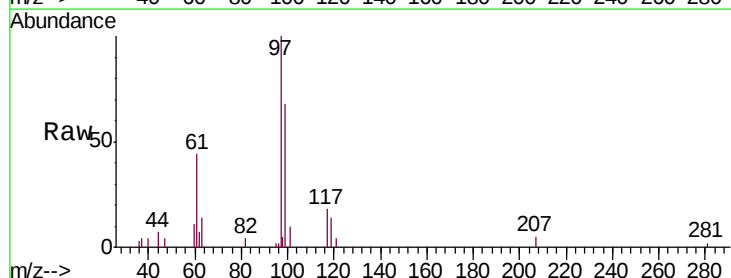
Tgt Ion: 97 Resp: 7507

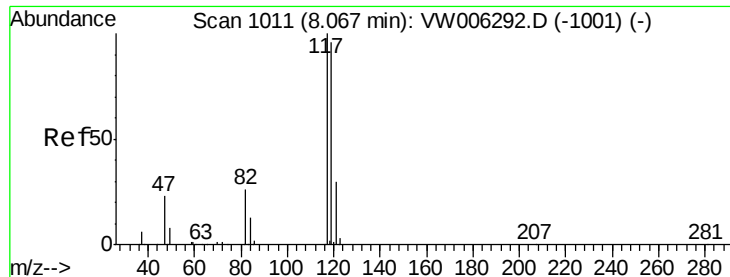
Ion Ratio Lower Upper

97 100

99 67.2 51.0 76.4

61 43.9 33.6 50.4





#32

Carbon tetrachloride

Concen: 0.918 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

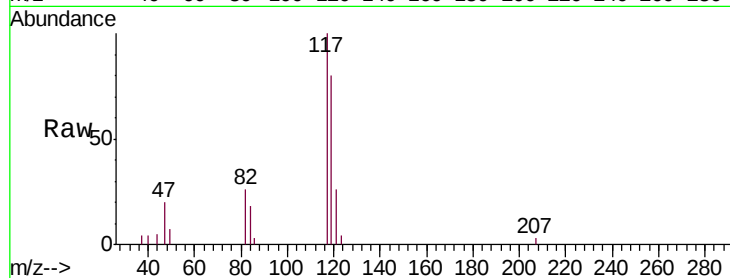
MDL

Tgt Ion:117 Resp: 7309

Ion Ratio Lower Upper

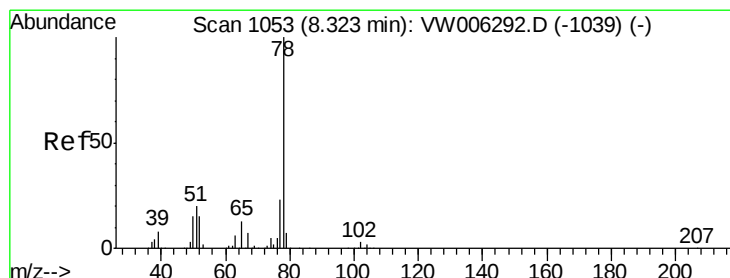
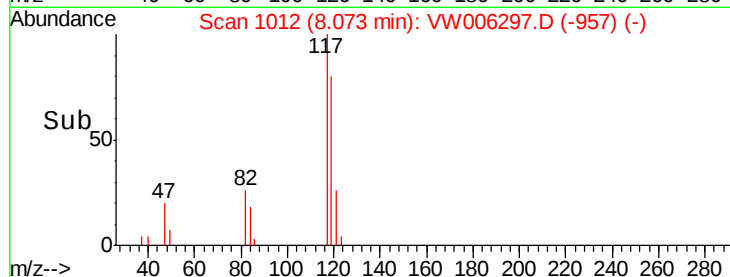
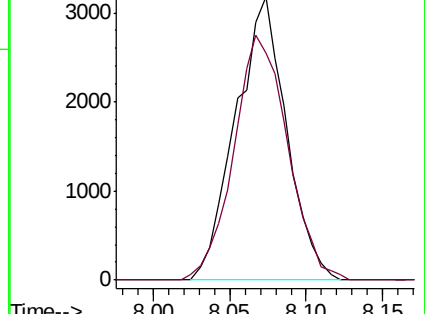
117 100

119 92.1 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: 0.998 ug/L

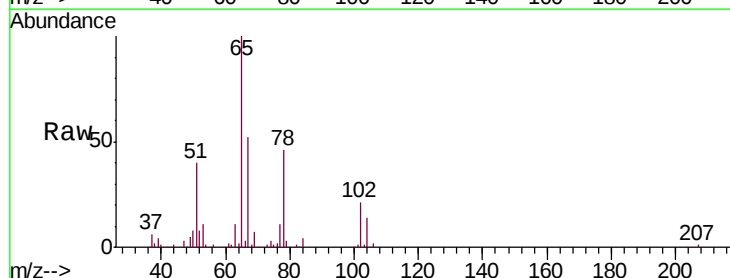
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

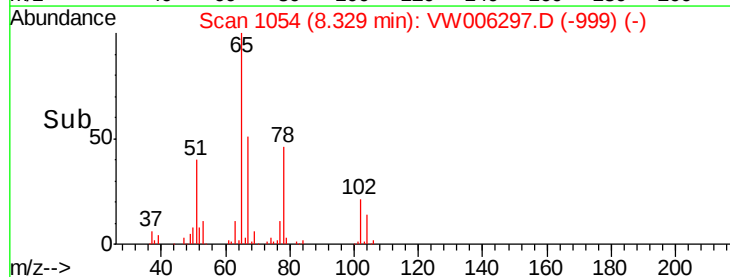
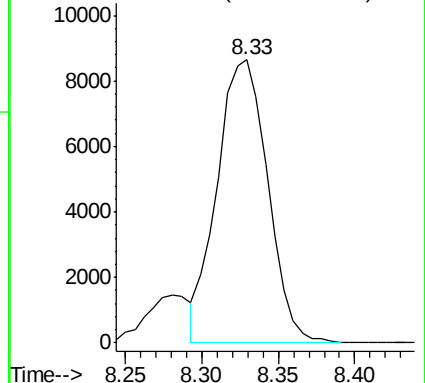
Lab File: VW006297.D

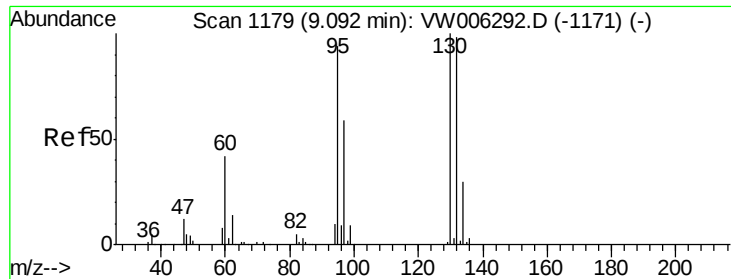
Acq: 23 Oct 2018 15:33

Tgt Ion: 78 Resp: 19869



Abundance Ion 78.00 (77.70 to 78.70): VW

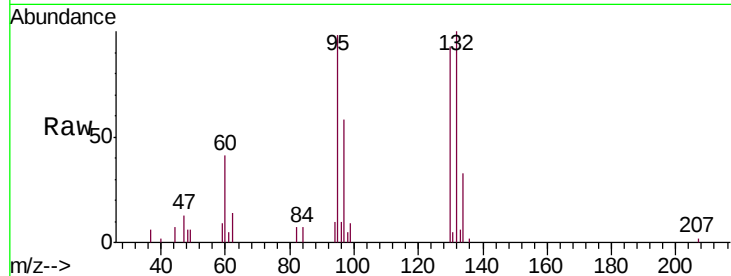




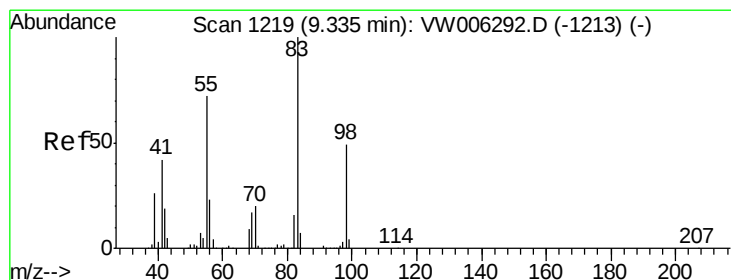
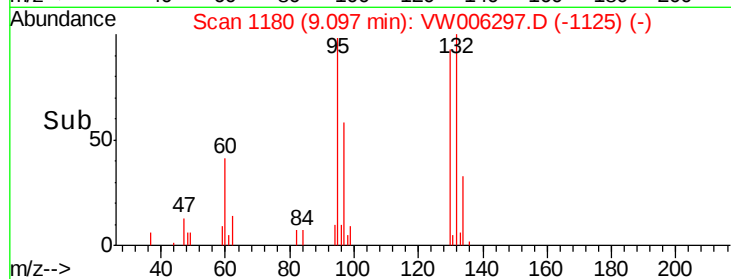
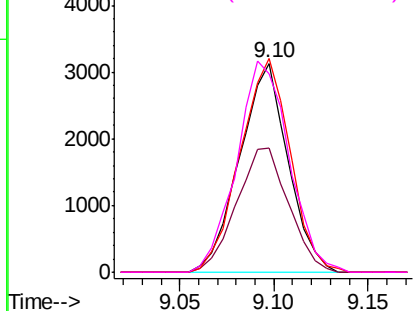
#35
 Trichloroethene
 Concen: 0.996 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion: 95 Resp: 5580
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.8 85.0
 132 105.5 72.9 135.3
 130 109.5 75.8 140.8

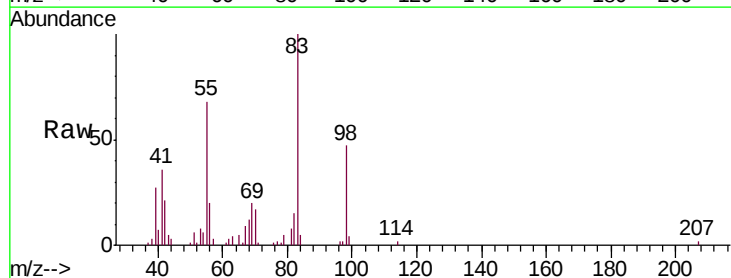


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

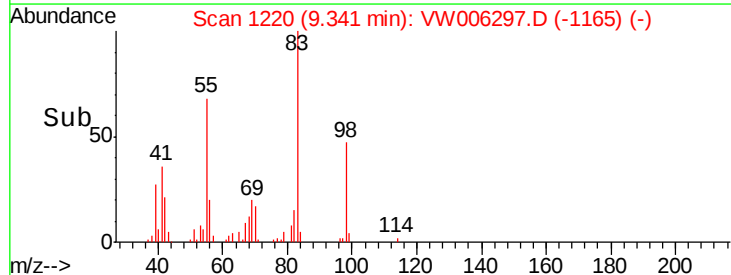
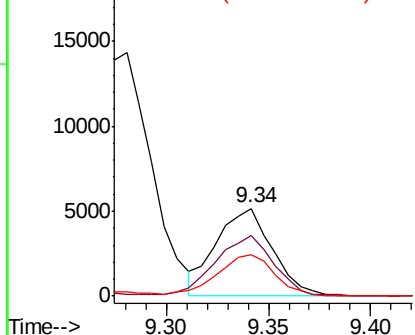


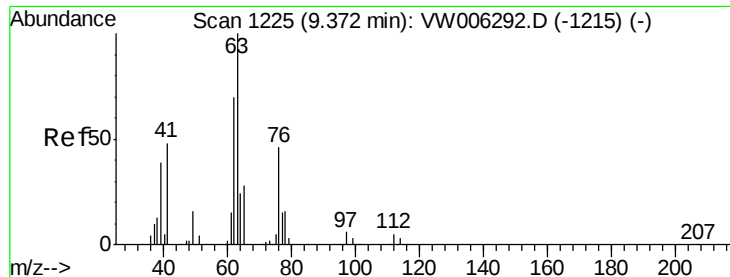
#36
 Methylcyclohexane
 Concen: 0.962 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Tgt Ion: 83 Resp: 9877
 Ion Ratio Lower Upper
 83 100
 55 71.6 57.1 85.7
 98 48.3 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: 0.997 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

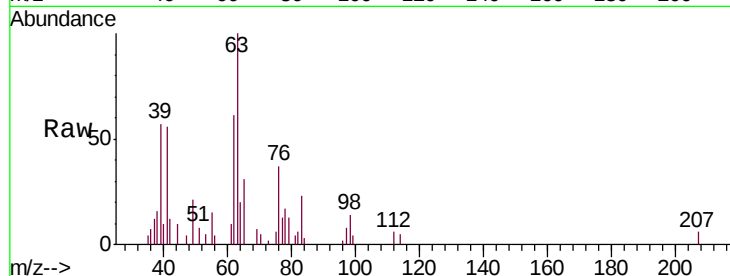
MDL

Tgt Ion: 63 Resp: 4926

Ion Ratio Lower Upper

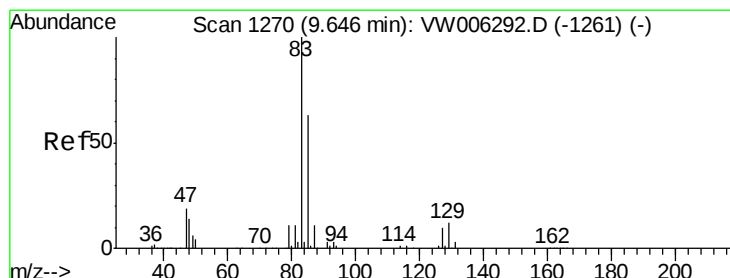
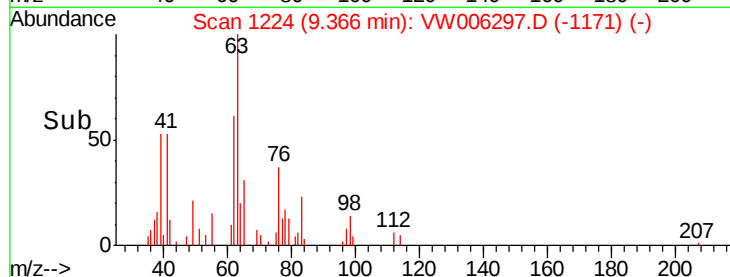
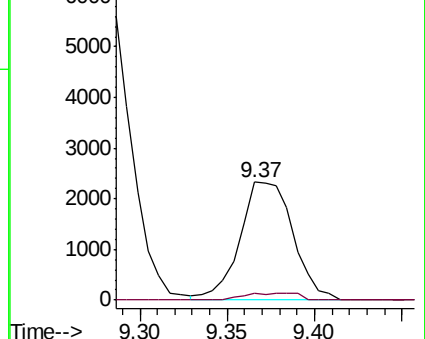
63 100

112 3.1 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 0.859 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

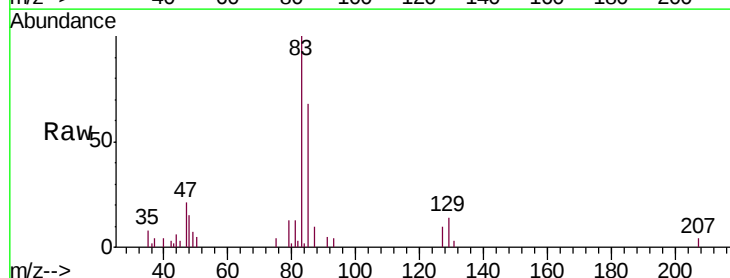
Tgt Ion: 83 Resp: 5731

Ion Ratio Lower Upper

83 100

85 68.4 45.5 84.5

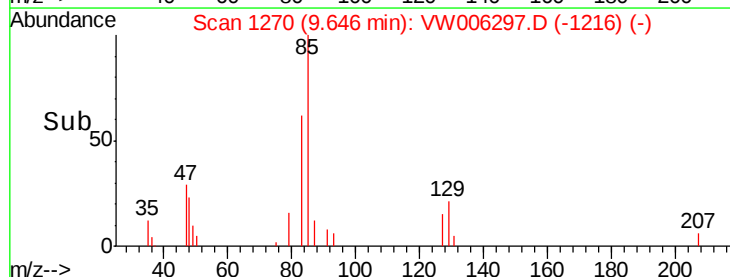
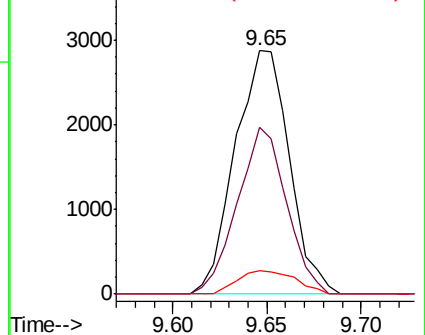
127 9.5 7.4 11.2

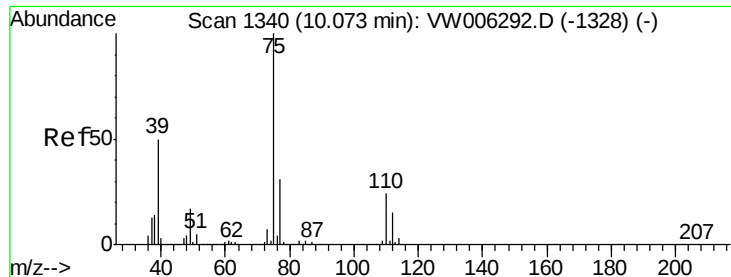


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.840 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

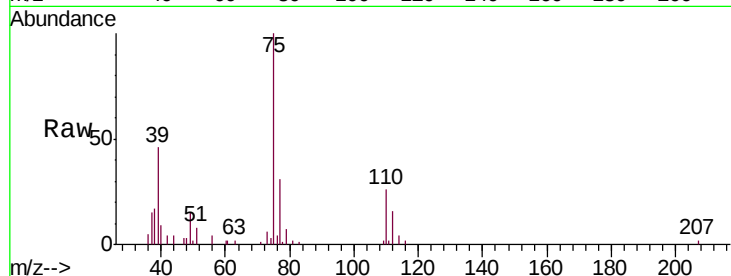
MDL

Tgt Ion: 75 Resp: 6779

Ion Ratio Lower Upper

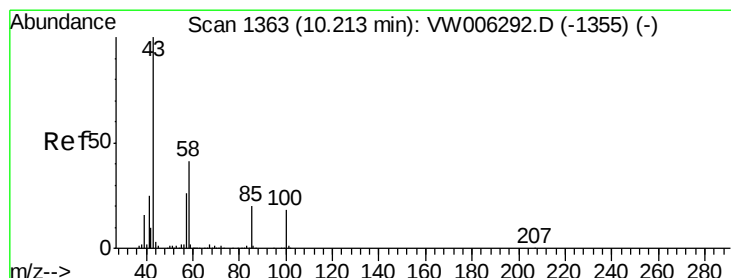
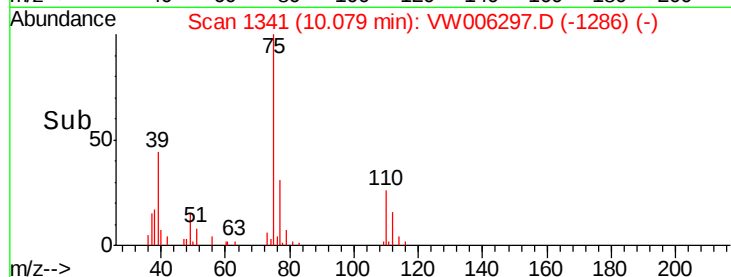
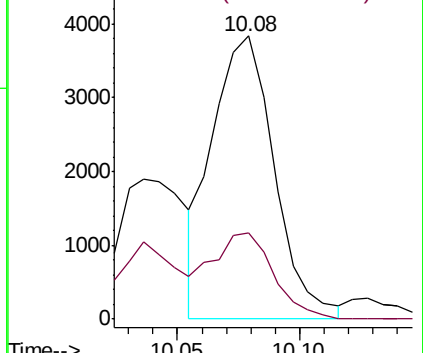
75 100

77 30.7 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 1.756 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

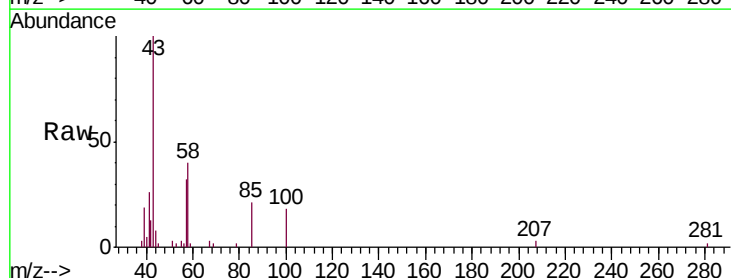
Tgt Ion: 43 Resp: 6953

Ion Ratio Lower Upper

43 100

58 37.6 31.4 47.2

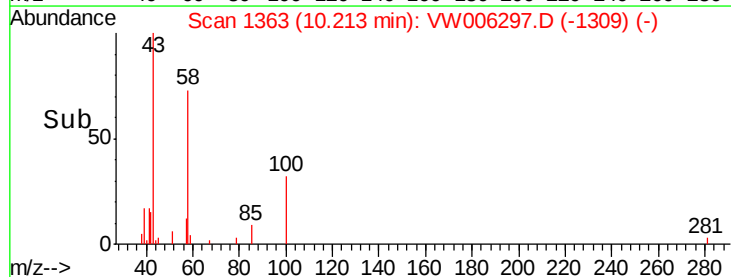
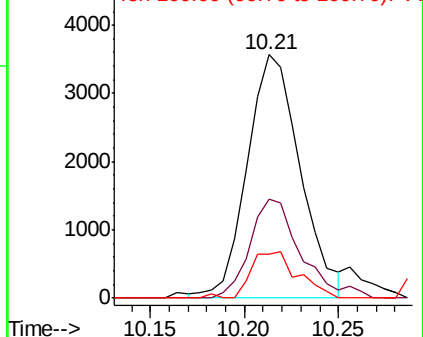
100 16.6 13.3 19.9

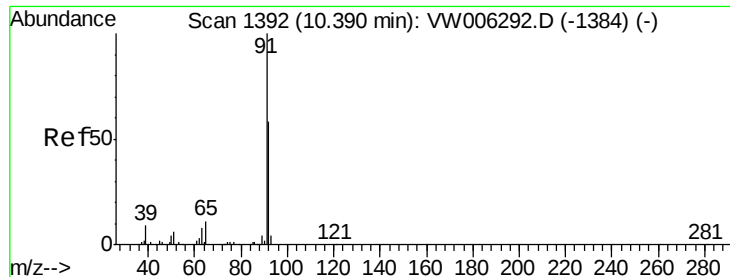


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 1.048 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

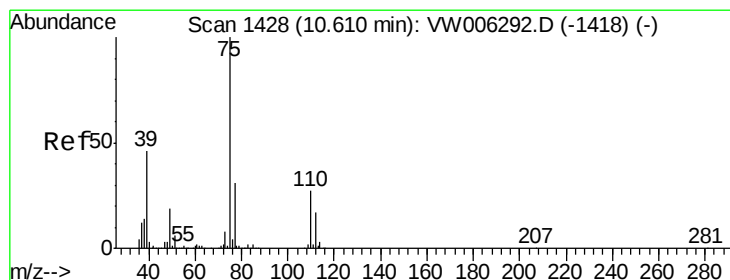
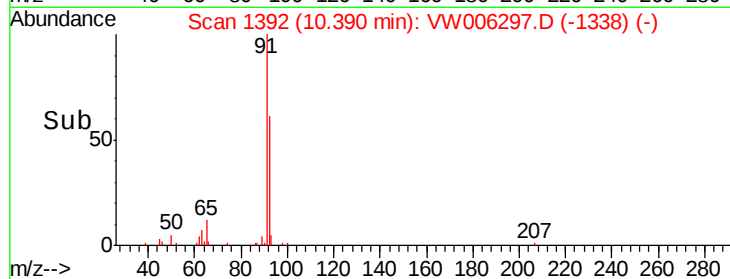
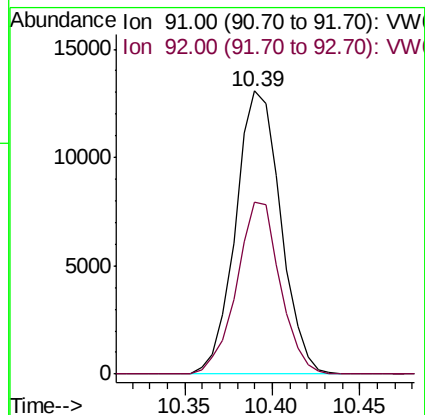
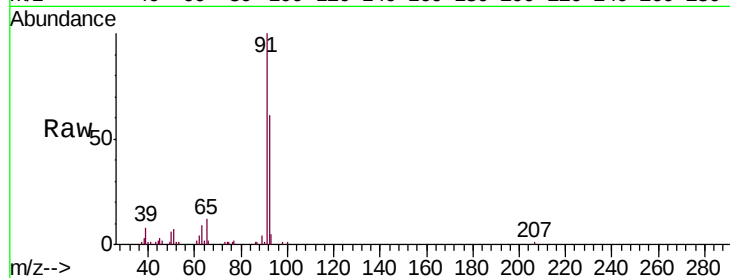
MDL

Tgt Ion: 91 Resp: 23440

Ion Ratio Lower Upper

91 100

92 61.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 1.214 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006297.D

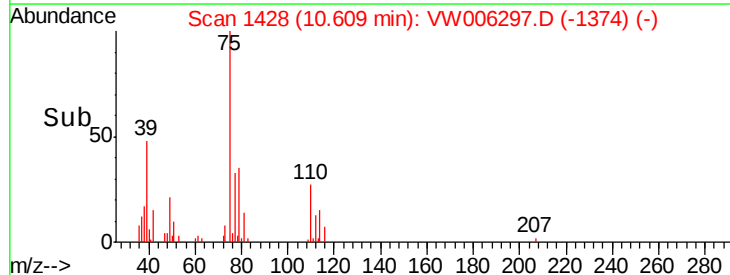
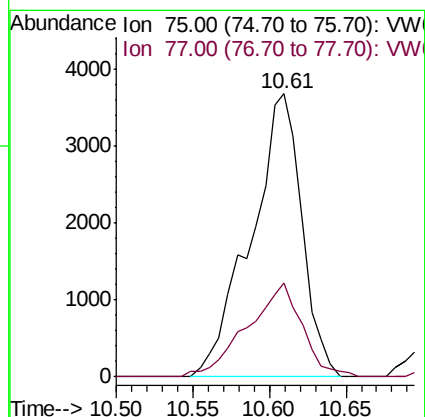
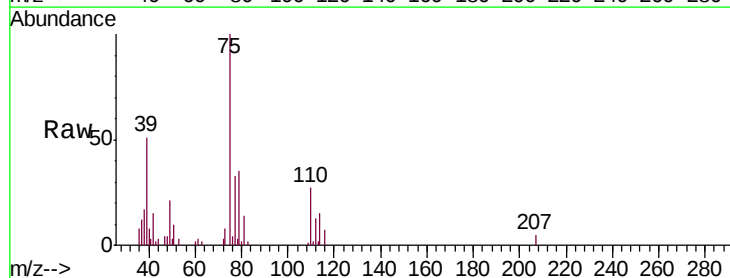
Acq: 23 Oct 2018 15:33

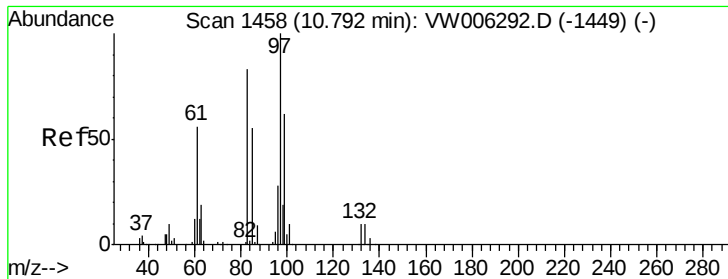
Tgt Ion: 75 Resp: 8555

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6

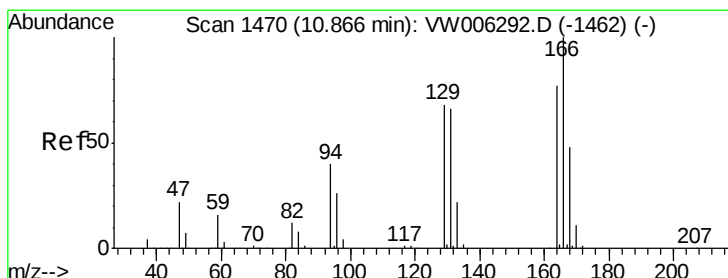
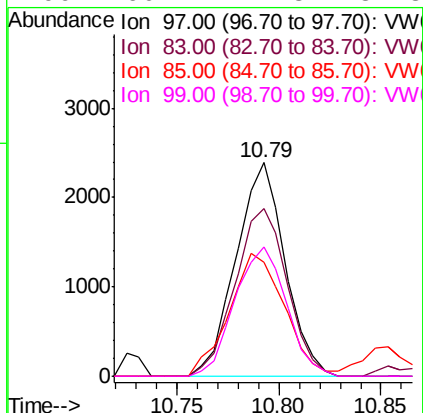
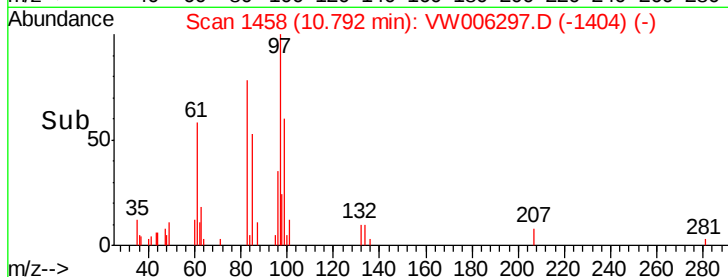
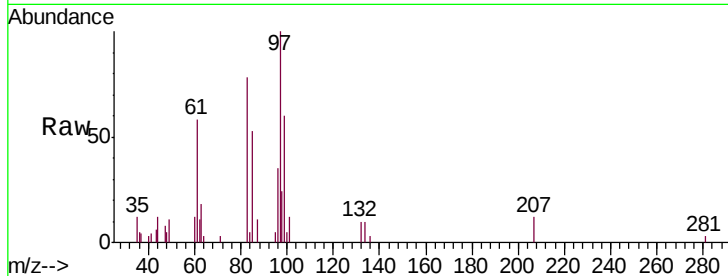




#46
1,1,2-Trichloroethane
Concen: 0.967 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. -0.00 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

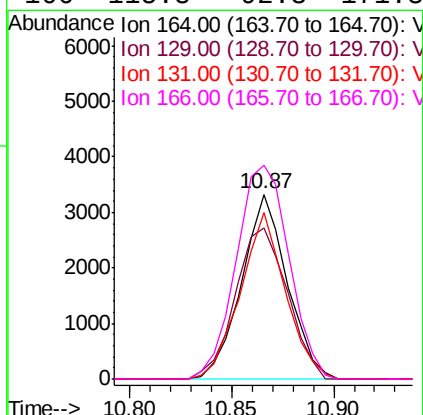
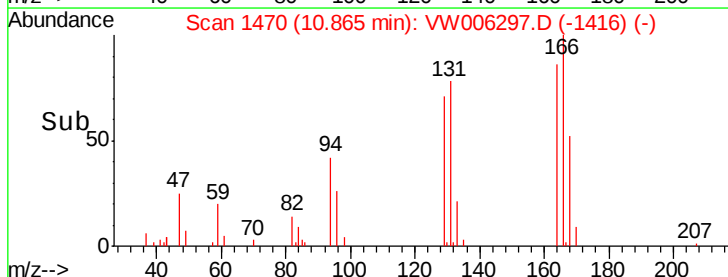
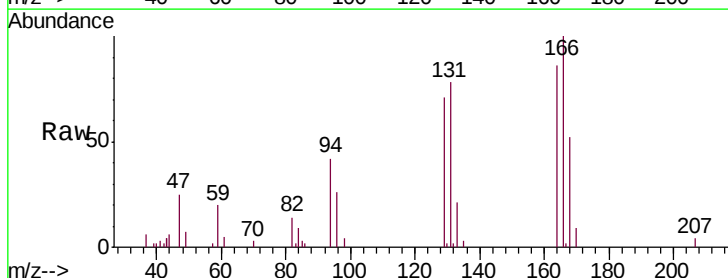
Instrument :
MSVOA_W
ClientSampleId :
MDL

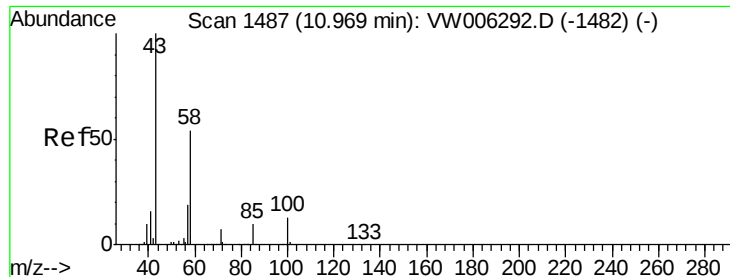
Tgt Ion:	97	Resp:	3978
Ion	Ratio	Lower	Upper
97	100		
83	78.3	60.0	111.4
85	53.4	38.7	71.9
99	60.4	44.3	82.3



#47
Tetrachloroethene
Concen: 0.998 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Tgt Ion:	164	Resp:	5179
Ion	Ratio	Lower	Upper
164	100		
129	81.7	65.4	121.4
131	89.9	63.8	118.4
166	115.8	92.3	171.3

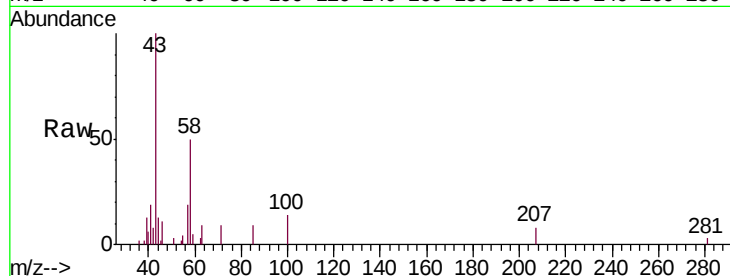




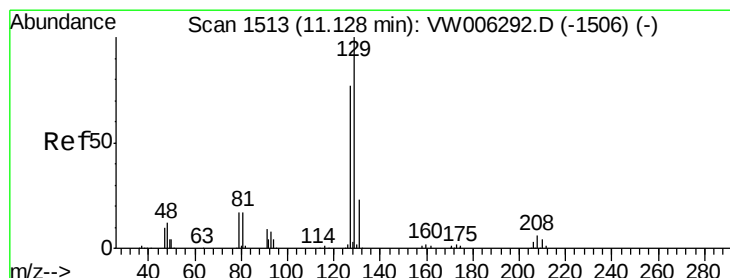
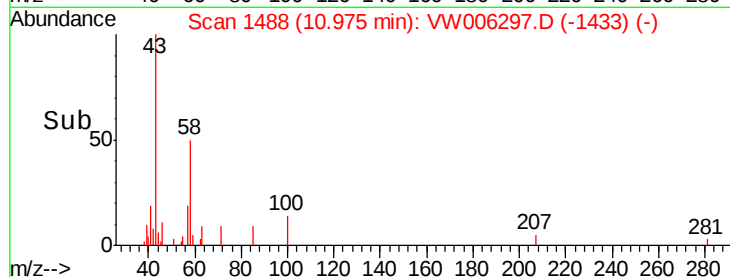
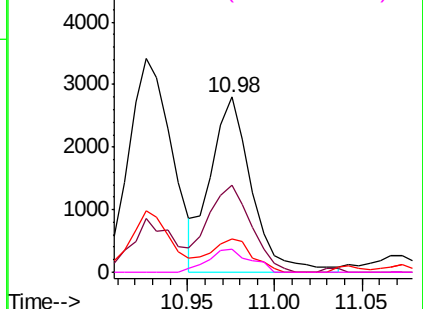
#49
2-Hexanone
Concen: 1.578 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :
MDL

Tgt Ion: 43 Resp: 4604
Ion Ratio Lower Upper
43 100
58 51.9 42.1 63.1
57 19.6 15.1 22.7
100 13.4 9.9 14.9

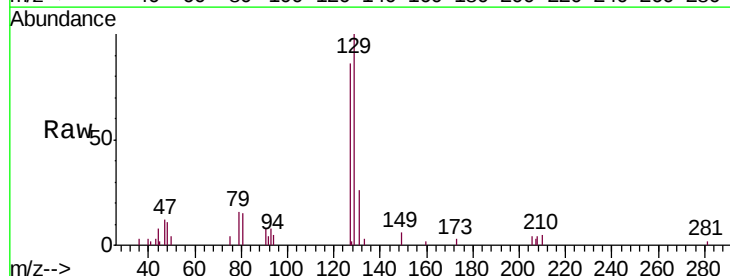


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

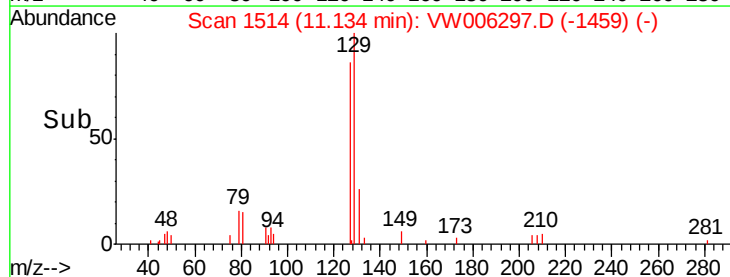
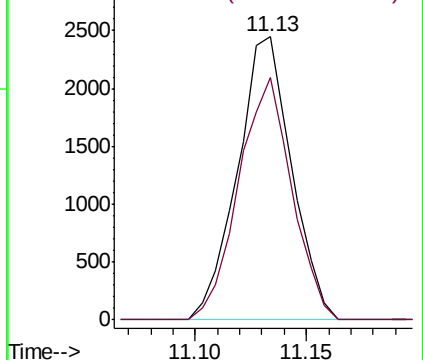


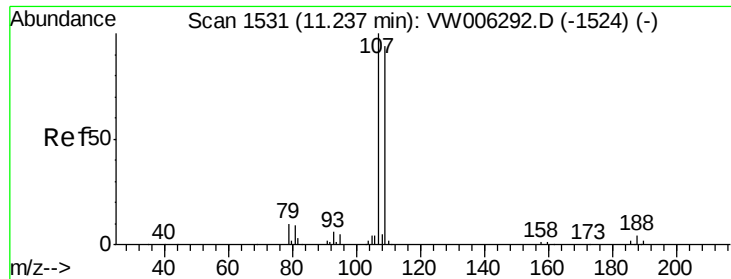
#50
Dibromochloromethane
Concen: 0.787 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 129 Resp: 4150
Ion Ratio Lower Upper
129 100
127 85.8 54.4 101.0



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

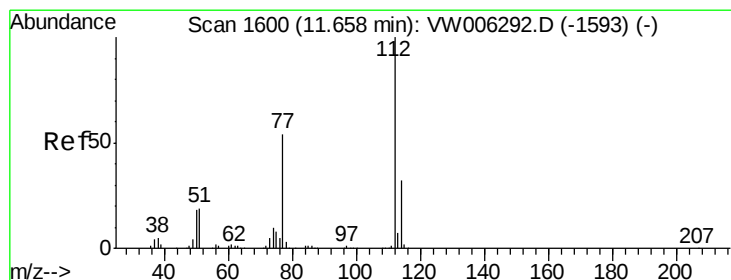
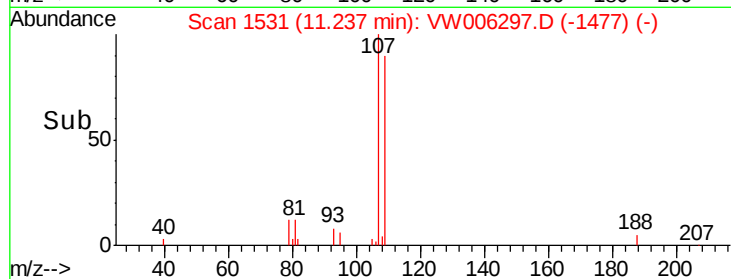
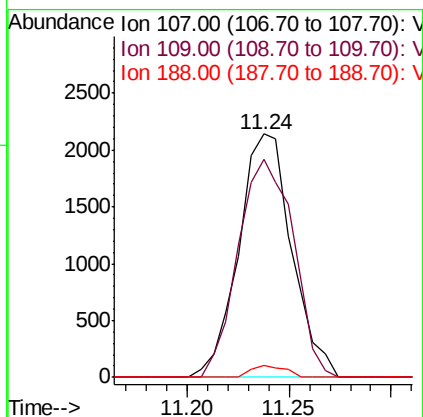
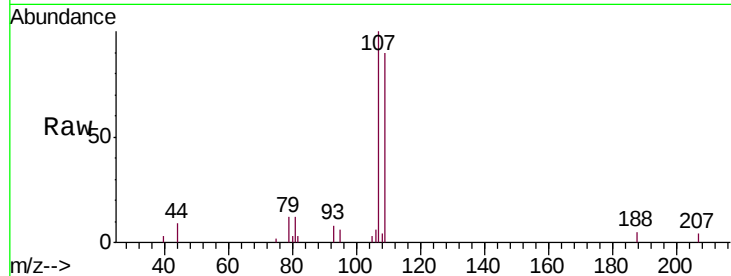




#51
 1,2-Dibromoethane
 Concen: 0.904 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

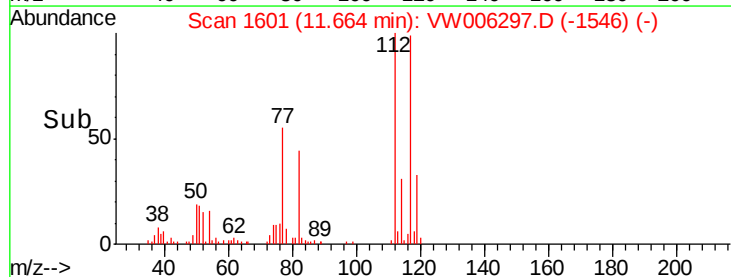
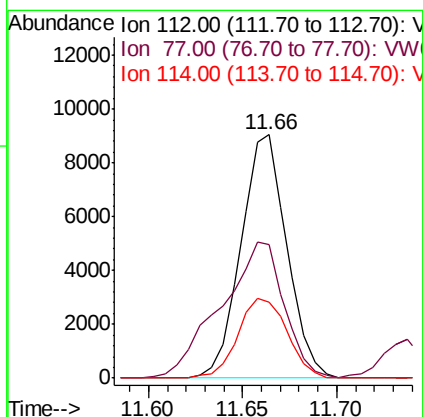
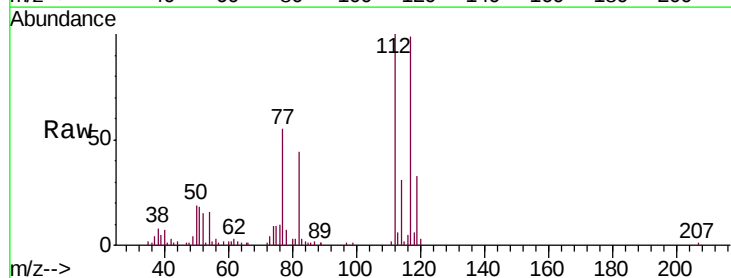
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

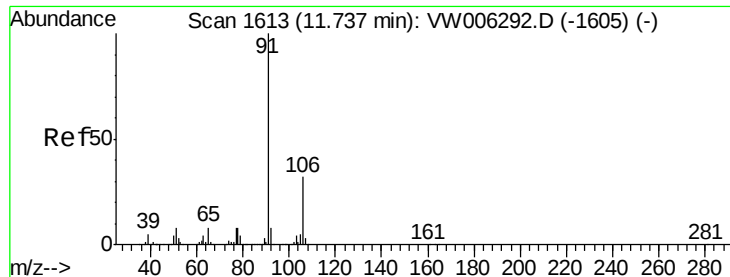
Tgt Ion:107 Resp: 3872
 Ion Ratio Lower Upper
 107 100
 109 89.6 66.6 123.8
 188 5.0 3.4 5.0#



#52
 Chlorobenzene
 Concen: 1.005 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Tgt Ion:112 Resp: 15217
 Ion Ratio Lower Upper
 112 100
 77 54.8 44.2 66.2
 114 31.4 22.1 41.1





#53

Ethylbenzene

Concen: 0.974 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

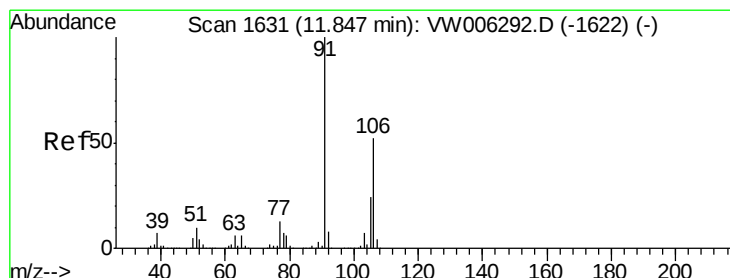
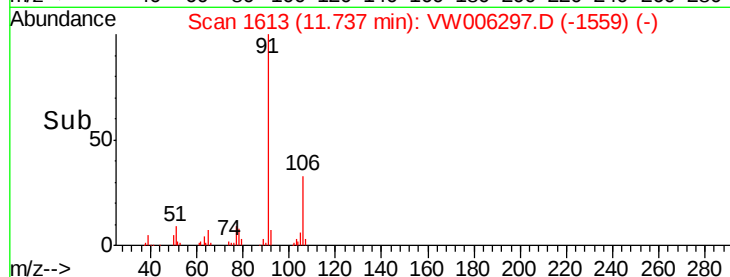
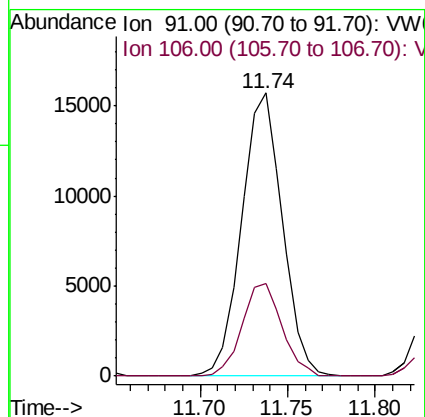
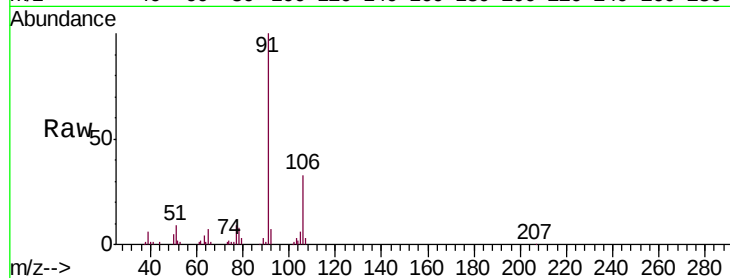
MDL

Tgt Ion: 91 Resp: 25359

Ion Ratio Lower Upper

91 100

106 32.7 22.6 42.0



#54

m,p-Xylene

Concen: 0.905 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW006297.D

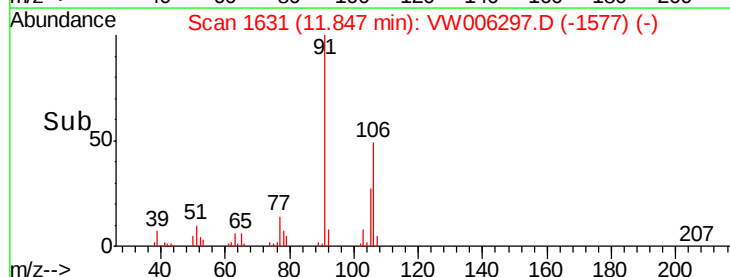
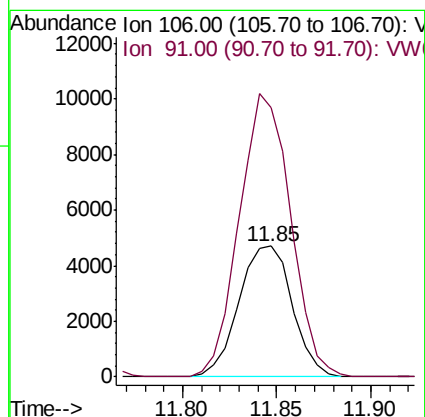
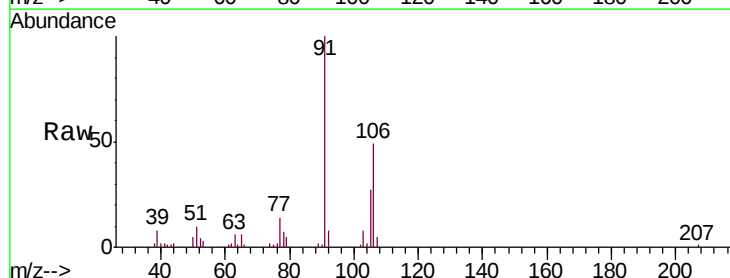
Acq: 23 Oct 2018 15:33

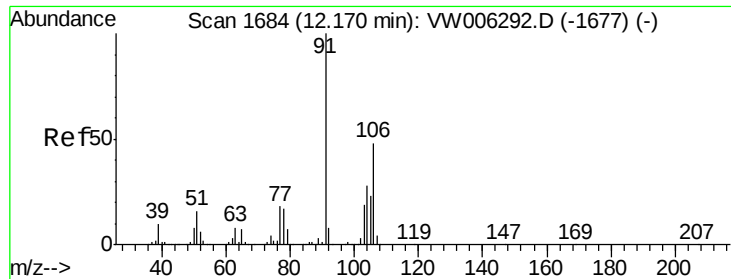
Tgt Ion: 106 Resp: 9233

Ion Ratio Lower Upper

106 100

91 206.0 138.4 257.0

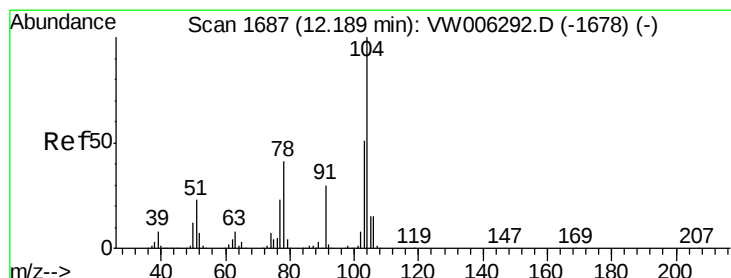
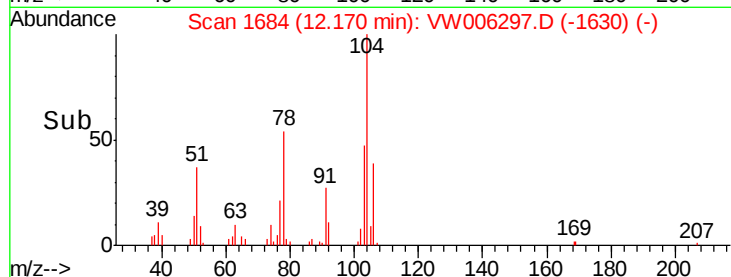
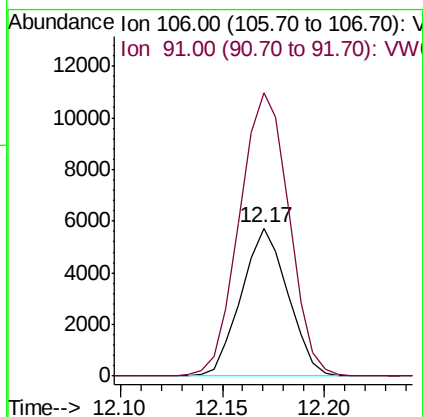
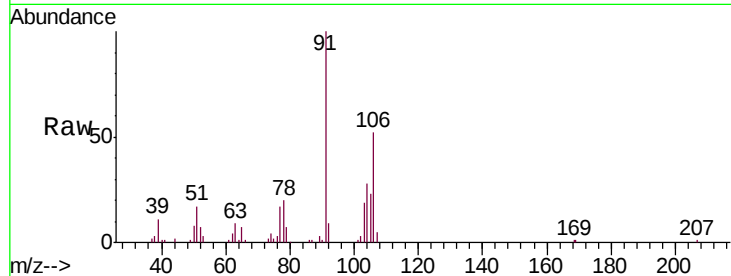




#55
o-xylene
Concen: 0.936 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

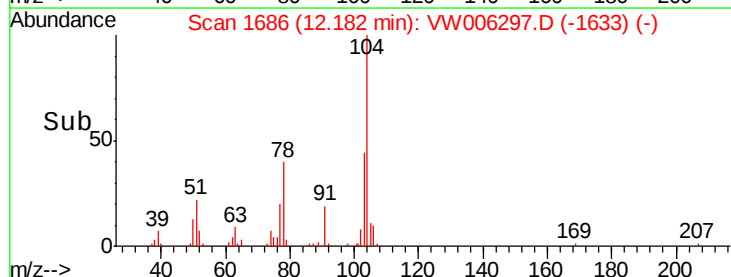
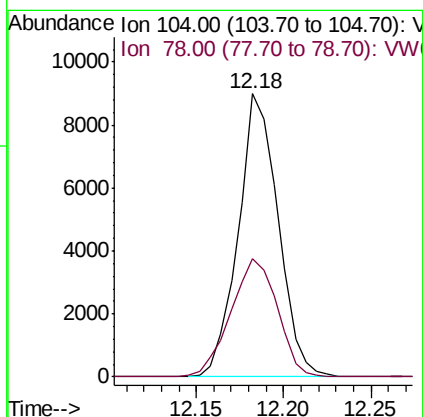
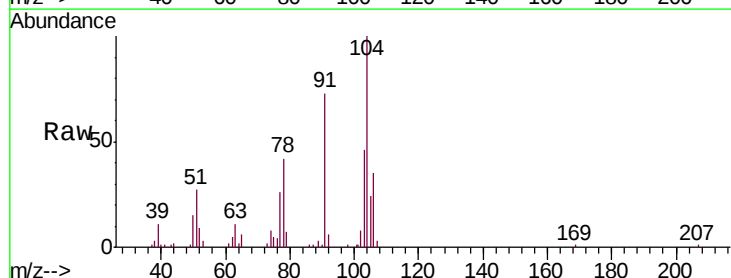
Instrument :
MSVOA_W
ClientSampled :
MDL

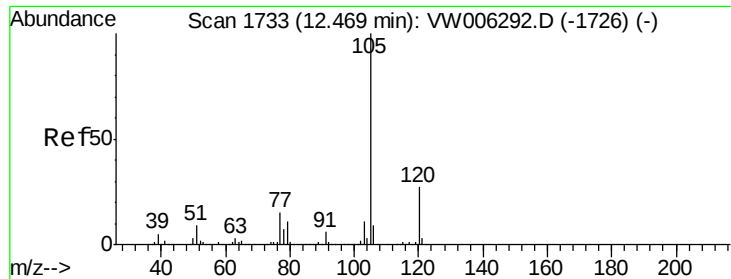
Tgt Ion:106 Resp: 9118
Ion Ratio Lower Upper
106 100
91 191.0 148.7 276.1



#56
Styrene
Concen: 0.851 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006297.D
Acq: 23 Oct 2018 15:33

Tgt Ion:104 Resp: 14281
Ion Ratio Lower Upper
104 100
78 42.0 31.2 58.0





#57

Isopropylbenzene

Concen: 0.905 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

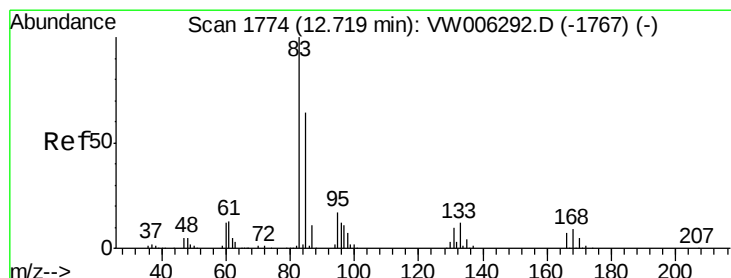
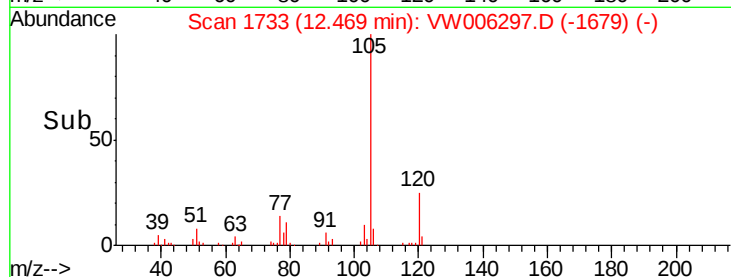
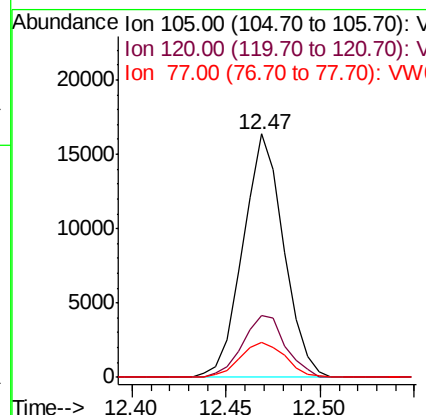
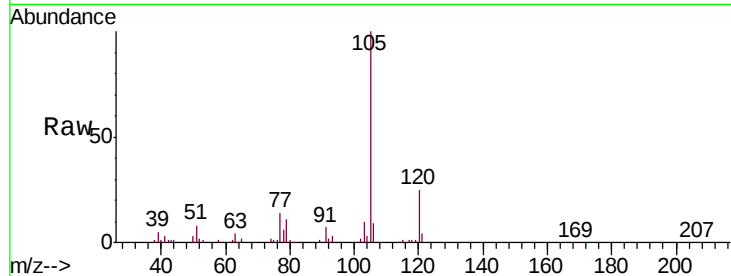
Instrument :

MSVOA_W

ClientSampled :

MDL

Tgt Ion:	105	Resp:	24546
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.8	32.6
77	15.7	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 1.056 ug/L

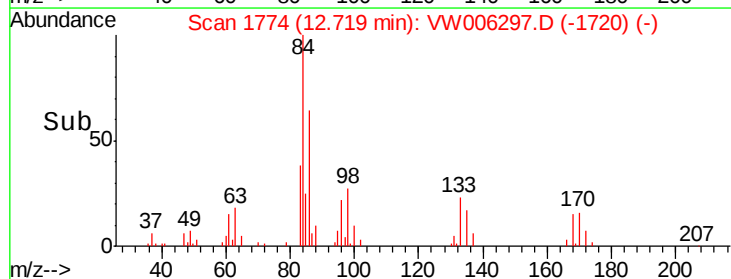
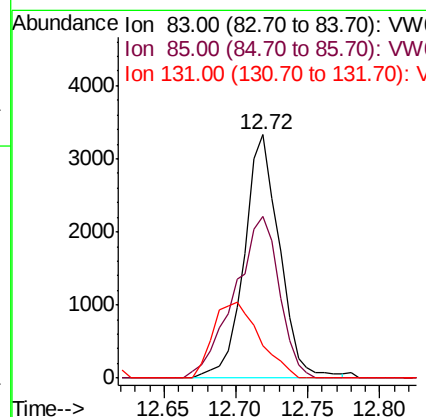
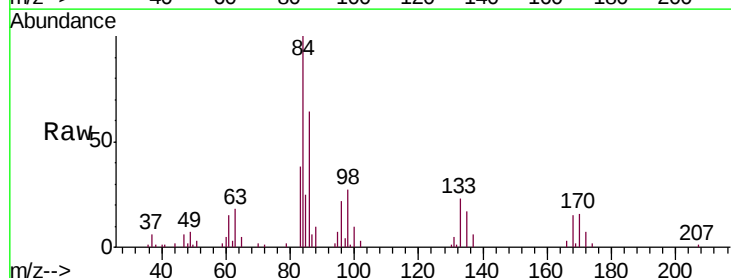
RT: 12.72 min Scan# 1774

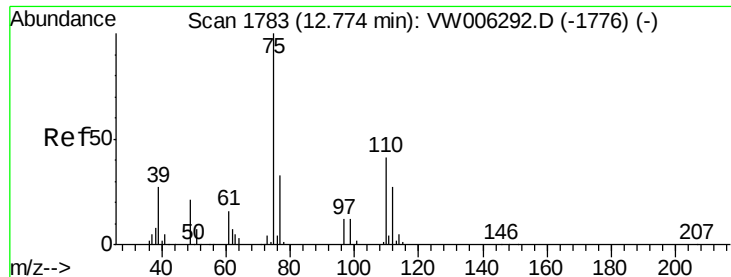
Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	83	Resp:	5646
Ion	Ratio	Lower	Upper
83	100		
85	66.4	44.8	83.2
131	13.1	9.0	13.4





#59

1,2,3-Trichloropropane

Concen: 0.944 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

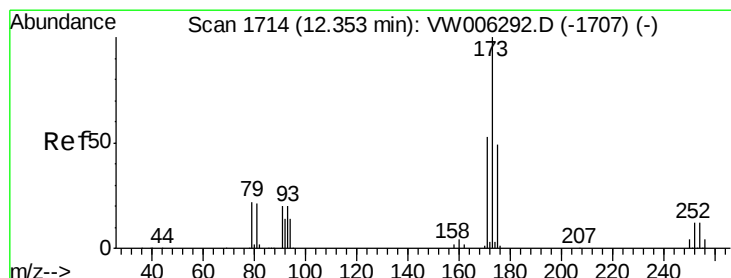
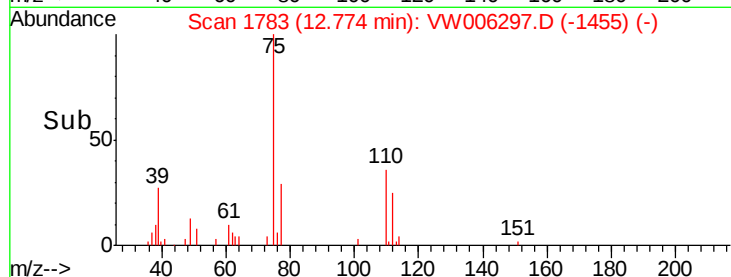
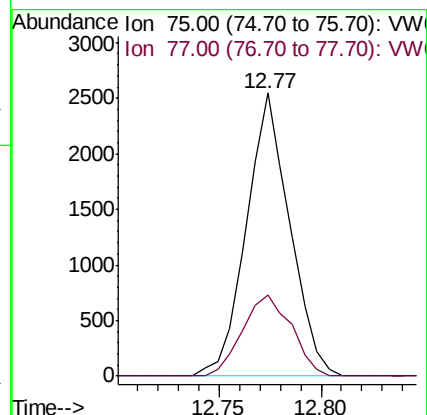
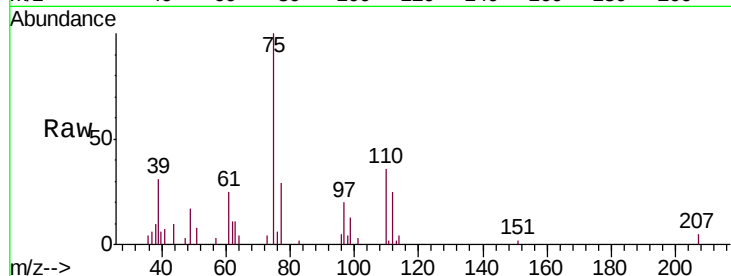
MDL

Tgt Ion: 75 Resp: 3764

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 0.741 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

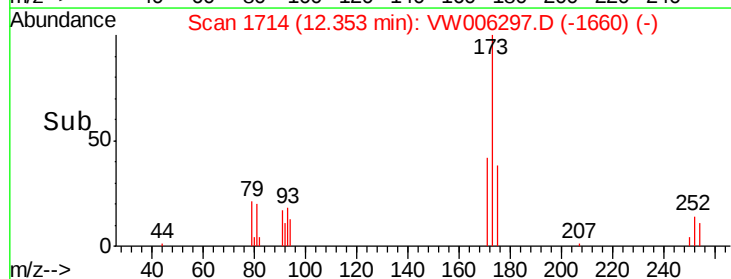
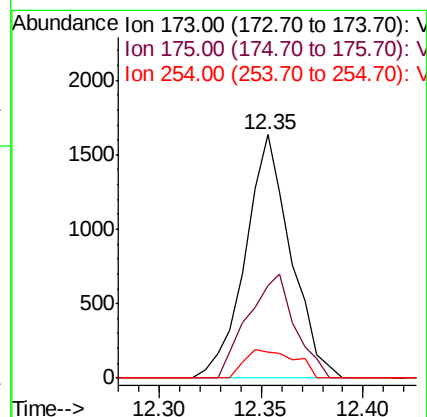
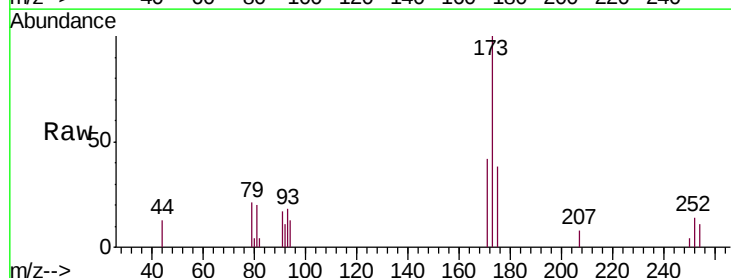
Tgt Ion: 173 Resp: 2529

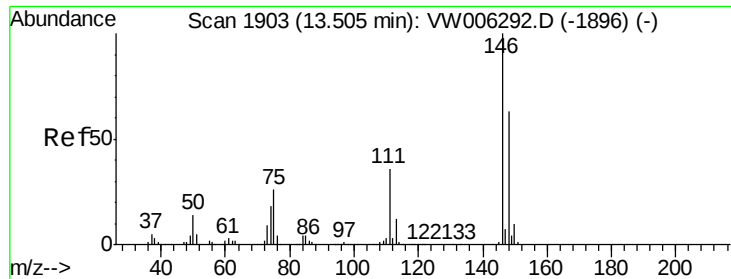
Ion Ratio Lower Upper

173 100

175 44.4 39.1 58.7

254 12.8 9.2 13.8

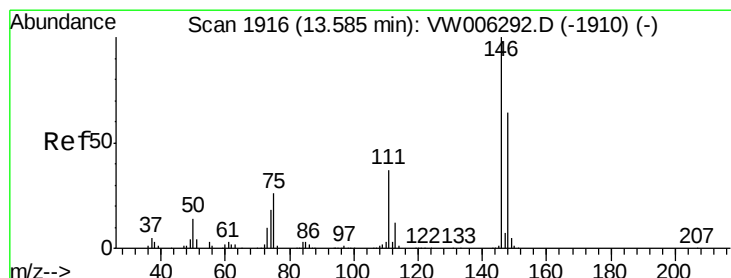
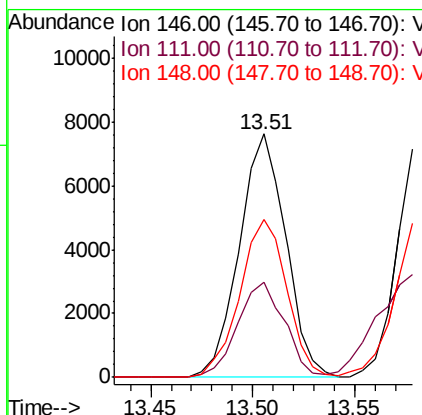
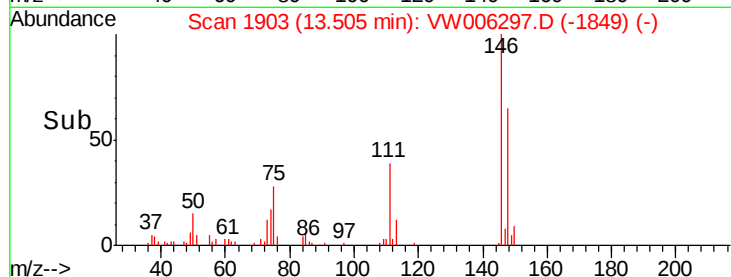
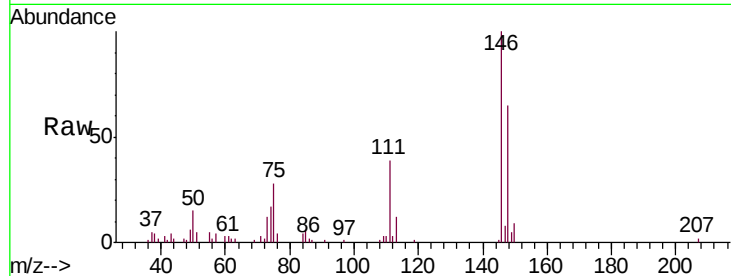




#63
 1,3-Dichlorobenzene
 Concen: 0.964 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

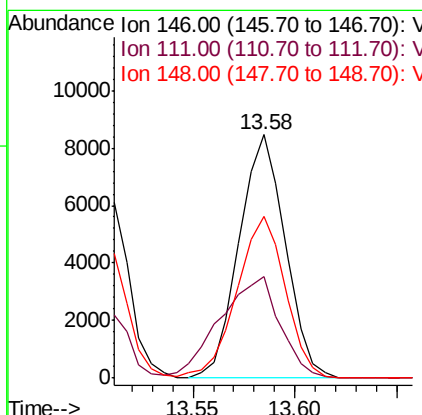
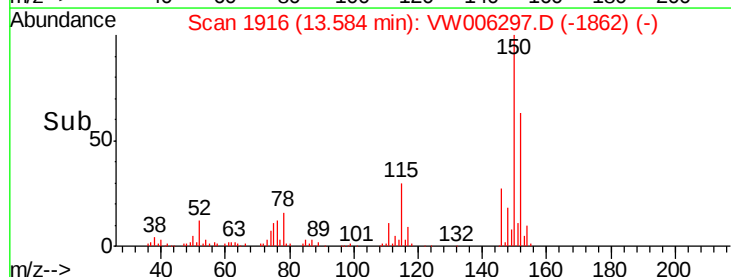
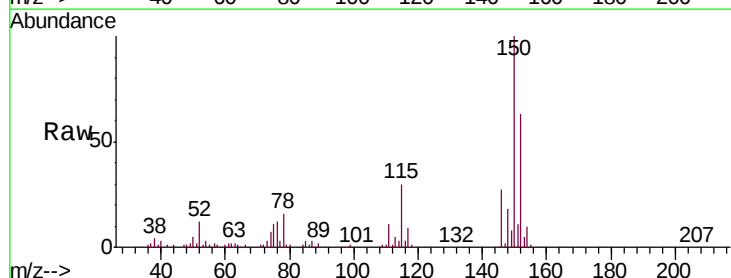
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

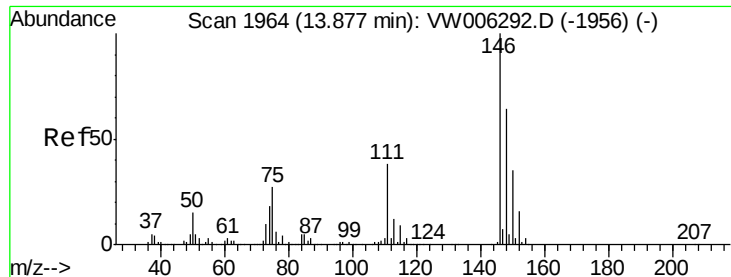
Tgt Ion:146 Resp: 12065
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.3 48.9
 148 65.0 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 1.055 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Tgt Ion:146 Resp: 13294
 Ion Ratio Lower Upper
 146 100
 111 41.6 24.7 45.9
 148 66.5 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 1.082 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

MDL

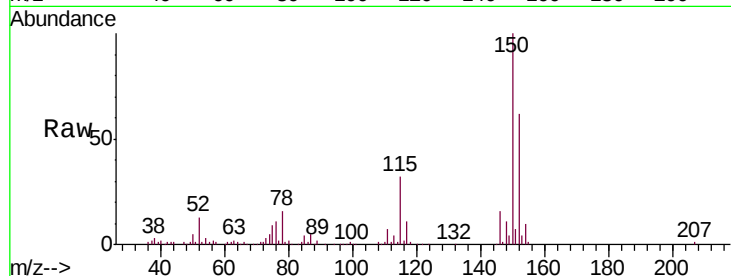
Tgt Ion:146 Resp: 12455

Ion Ratio Lower Upper

146 100

111 40.9 31.1 46.7

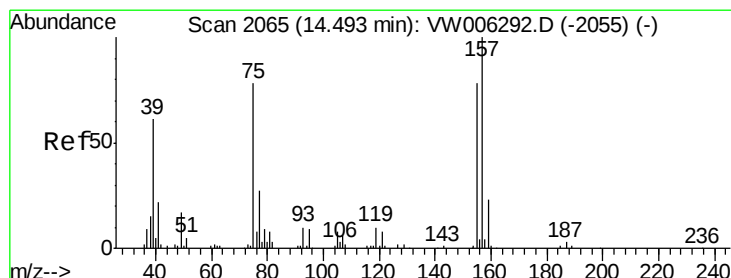
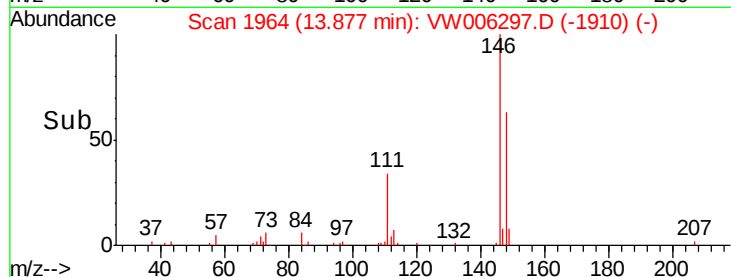
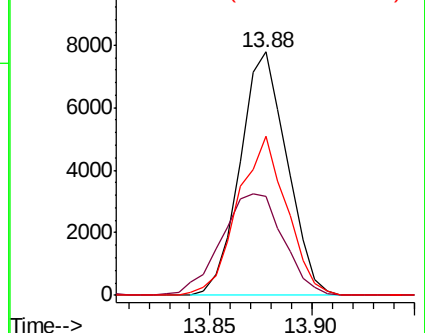
148 65.1 51.2 76.8



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: 1.619 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.14 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

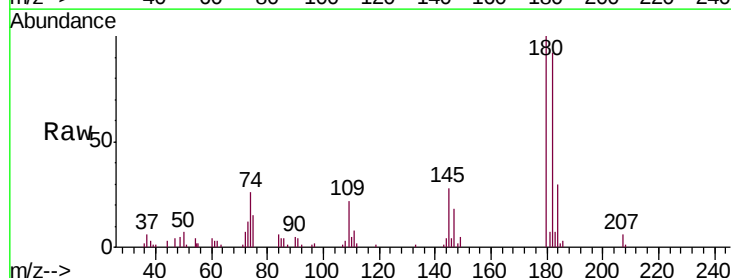
Tgt Ion: 75 Resp: 1500

Ion Ratio Lower Upper

75 100

157 0.0 106.8 160.2#

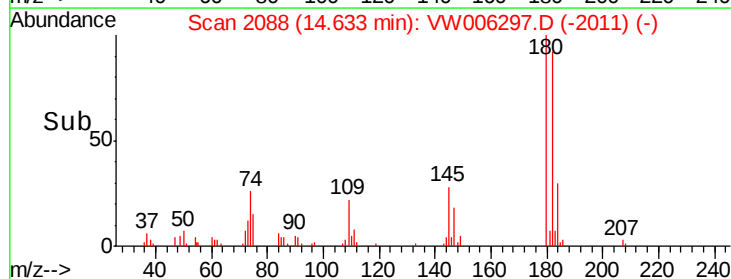
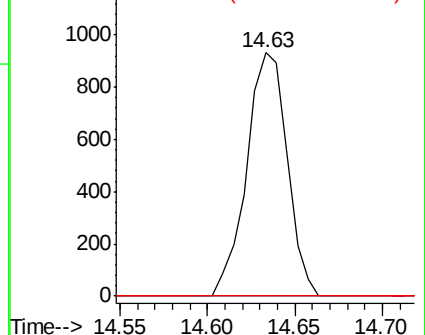
155 0.0 79.2 118.8#

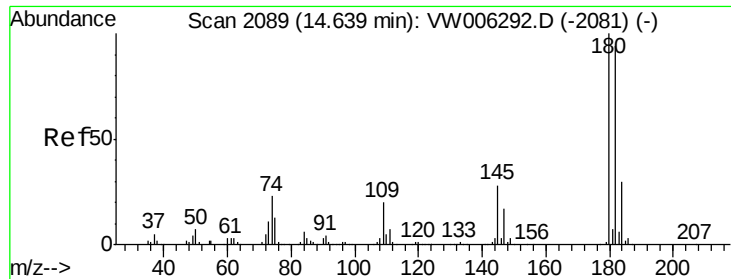


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

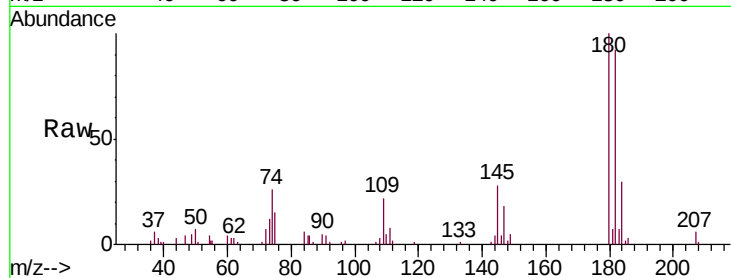




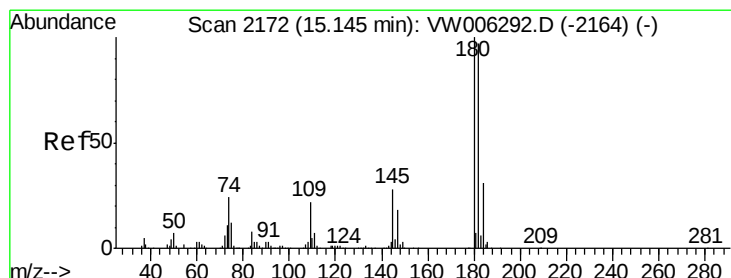
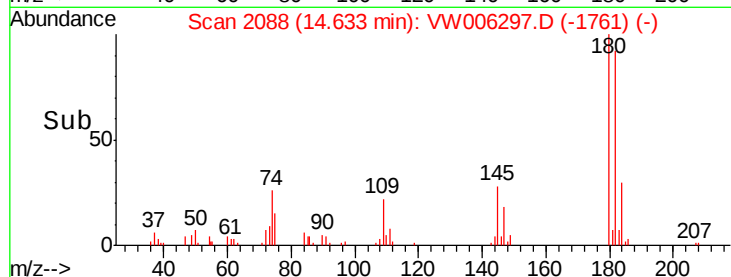
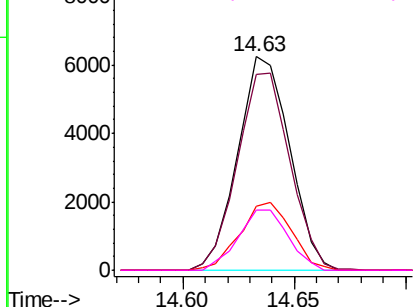
#67
 1,3,5-Trichlorobenzene
 Concen: 1.005 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Tgt Ion:180 Resp: 10132
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.0 114.0
 184 31.6 24.3 36.5
 145 27.4 22.6 33.8

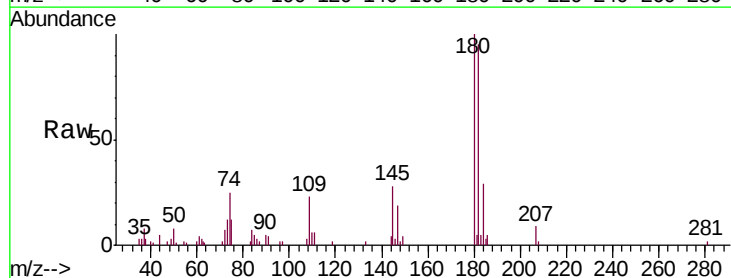


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

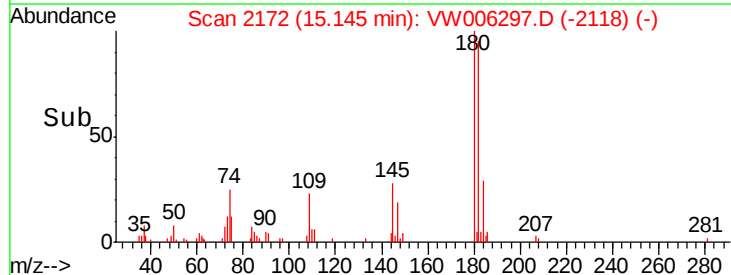
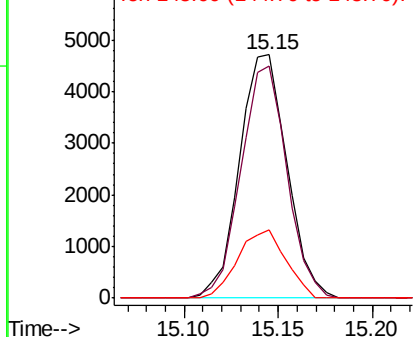


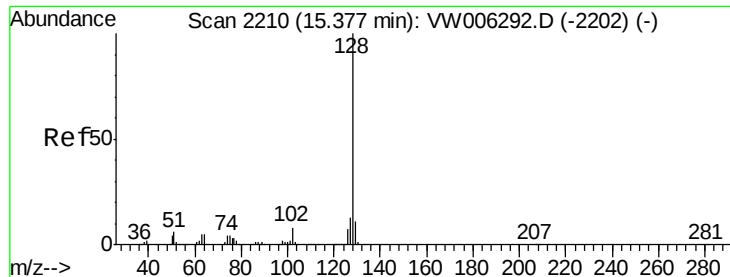
#68
 1,2,4-trichlorobenzene
 Concen: 0.959 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW006297.D
 Acq: 23 Oct 2018 15:33

Tgt Ion:180 Resp: 8250
 Ion Ratio Lower Upper
 180 100
 182 92.3 76.2 114.2
 145 28.2 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: 0.783 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

MDL

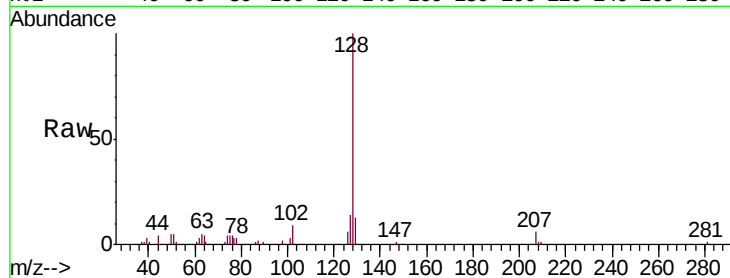
Tgt Ion:128 Resp: 13632

Ion Ratio Lower Upper

128 100

129 11.9 8.9 13.3

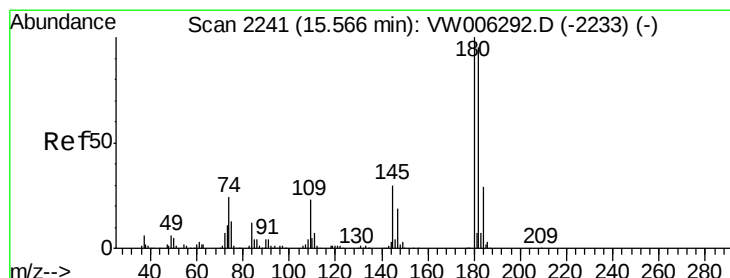
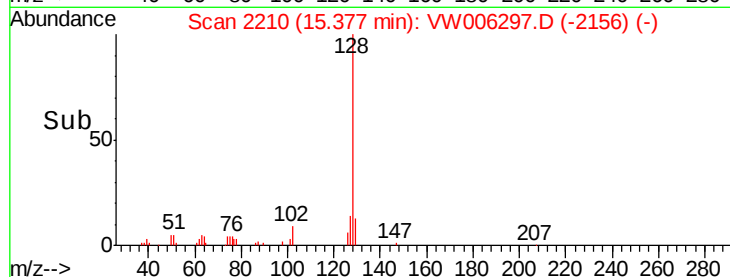
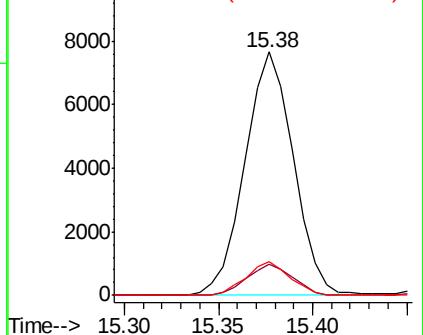
127 12.3 10.5 15.7



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: 0.966 ug/L

RT: 15.57 min Scan# 2242

Delta R.T. 0.01 min

Lab File: VW006297.D

Acq: 23 Oct 2018 15:33

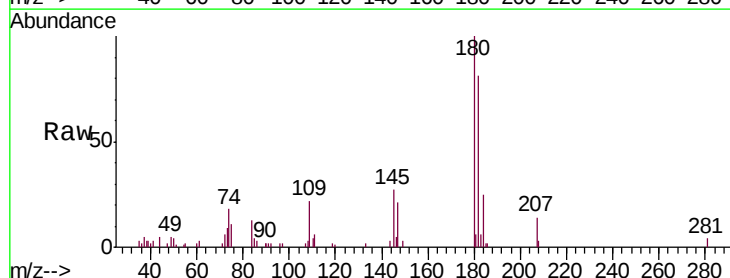
Tgt Ion:180 Resp: 7459

Ion Ratio Lower Upper

180 100

182 92.0 75.5 113.3

145 29.5 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

