

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

Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

Quant Time: Oct 24 05:26:10 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	315786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293862	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	154816	25.00	ug/L	0.00

System Monitoring Compounds

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

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7104	2.380 ug/L	87
3) Chloromethane	2.21	50	7435	2.537 ug/L	99
5) Vinyl chloride	2.37	62	10398	2.201 ug/L	88
6) Bromomethane	2.79	94	7965	2.165 ug/L	99
8) Chloroethane	2.94	64	6369	2.200 ug/L	93
9) Trichlorofluoromethane	3.26	101	8422	2.228 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	9608	2.543 ug/L #	83
12) 1,1-Dichloroethene	4.04	96	8947	2.468 ug/L #	1
13) Acetone	4.14	43	6532	5.477 ug/L	74
14) Carbon disulfide	4.38	76	21314	1.798 ug/L	97
15) Methyl Acetate	4.68	43	2623	1.358 ug/L #	89
16) Methylene chloride	4.91	84	14797	3.629 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	12407	2.102 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	8901	2.218 ug/L	94
19) 1,1-Dichloroethane	6.21	63	13347	2.055 ug/L	98
21) 2-Butanone	7.19	43	6845	4.320 ug/L #	69
22) cis-1,2-Dichloroethene	7.17	96	9009	2.058 ug/L	90

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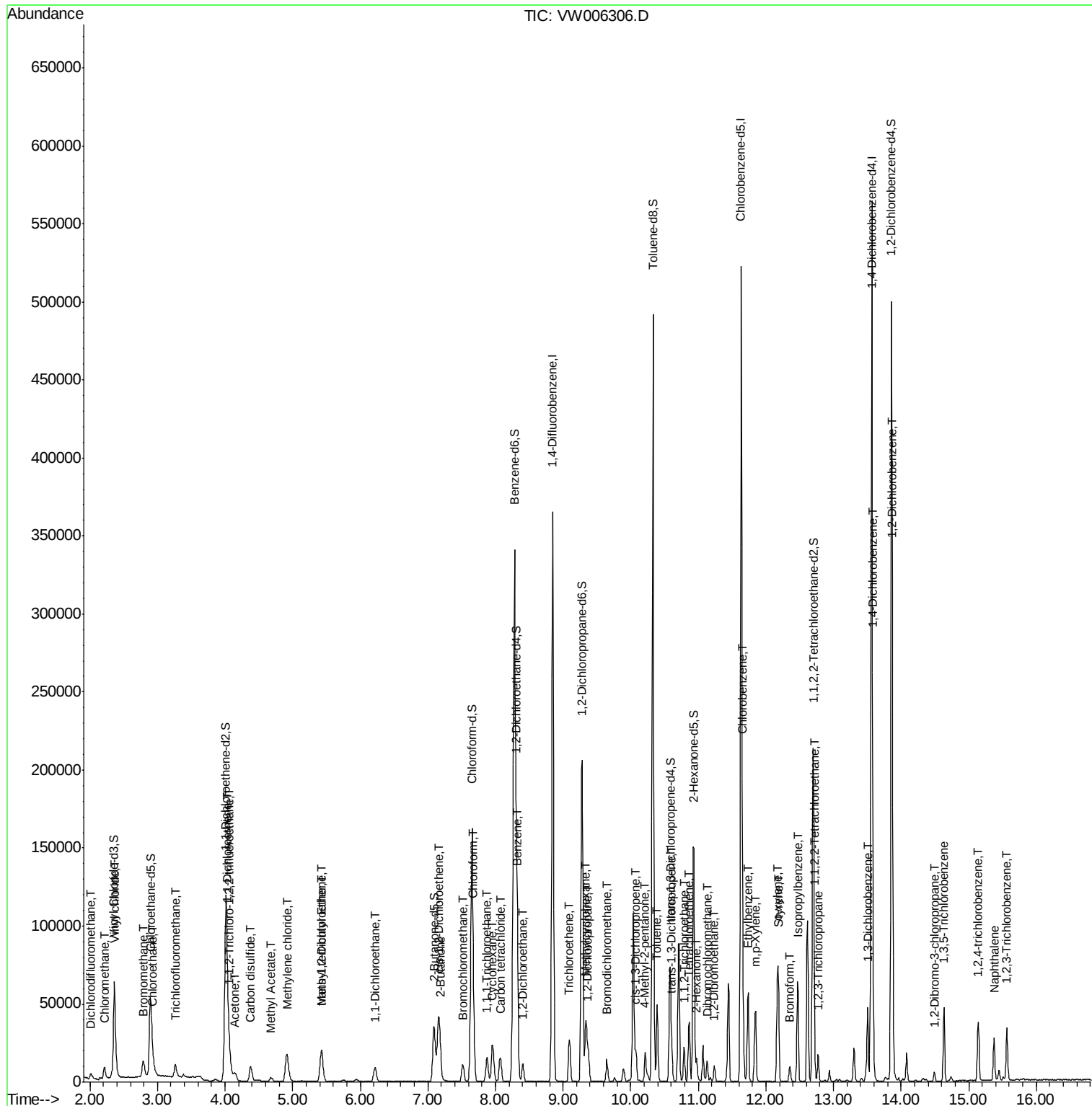
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4458	2.165	ug/L	90
25) Chloroform	7.68	83	15784	2.257	ug/L	91
27) 1,2-Dichloroethane	8.41	62	10382	2.178	ug/L #	94
30) Cyclohexane	7.95	56	13081	2.025	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	12509	2.034	ug/L	98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

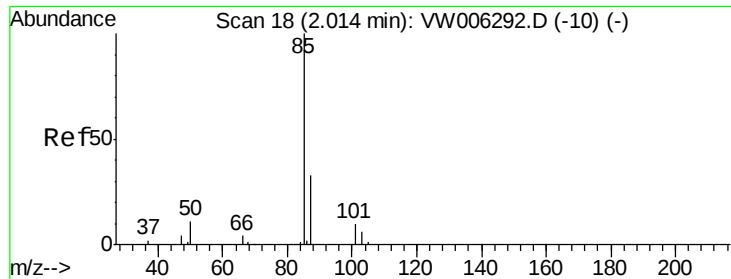
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.380 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

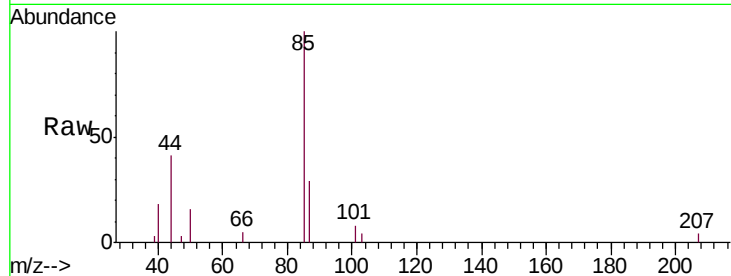
MDL 2 PPB

Tgt Ion: 85 Resp: 7104

Ion Ratio Lower Upper

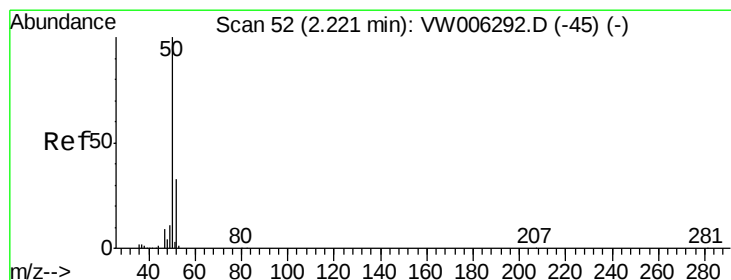
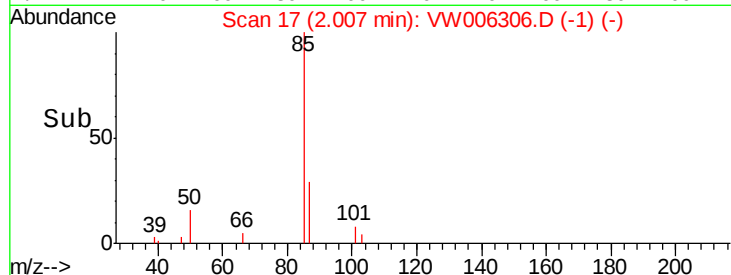
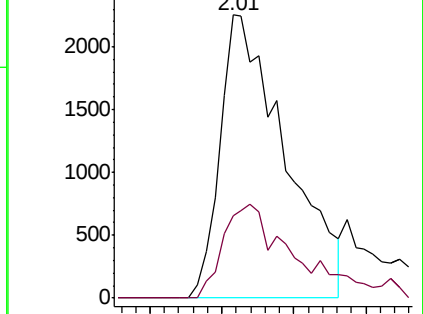
85 100

87 20.8 19.2 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.537 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006306.D

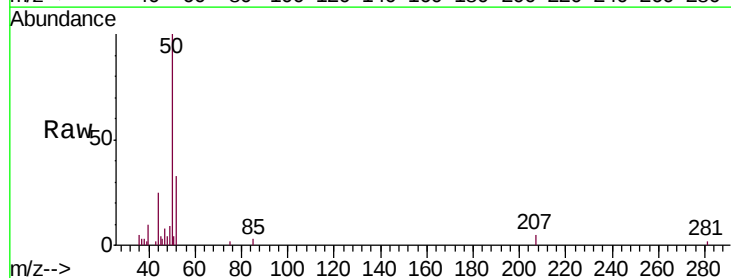
Acq: 23 Oct 2018 20:16

Tgt Ion: 50 Resp: 7435

Ion Ratio Lower Upper

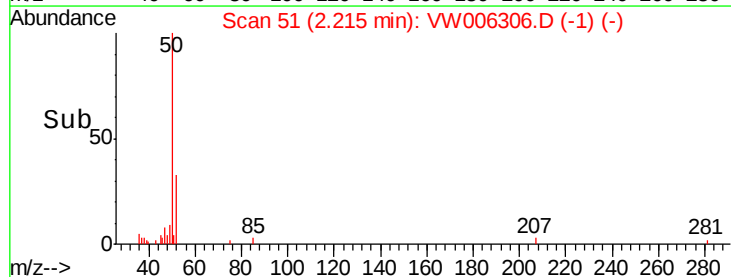
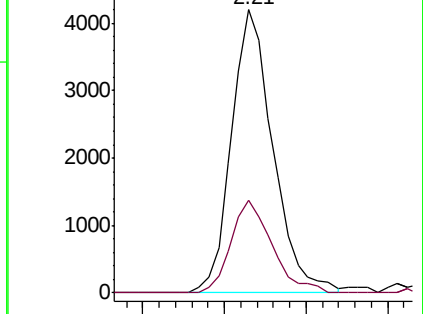
50 100

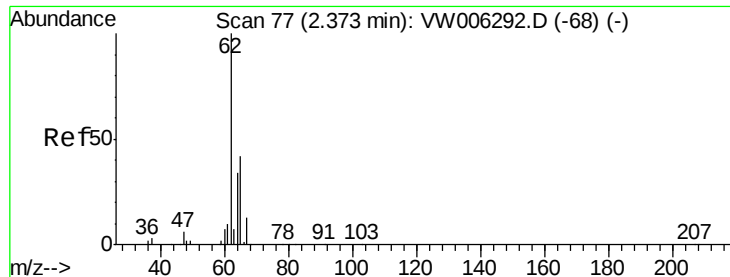
52 32.6 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.201 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

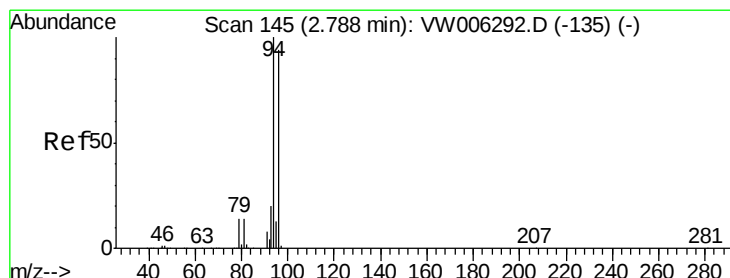
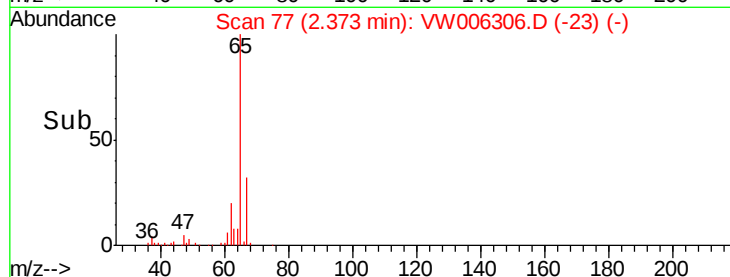
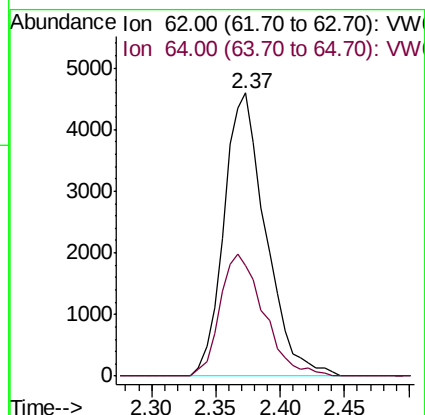
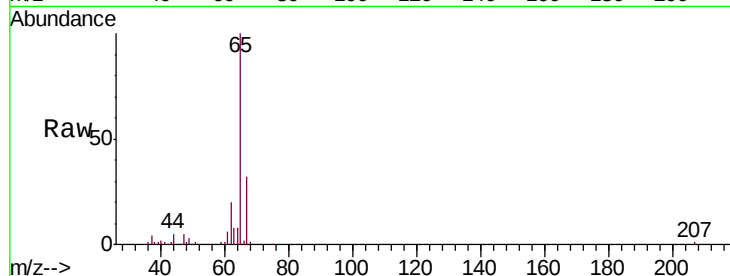
MDL 2 PPB

Tgt Ion: 62 Resp: 10398

Ion Ratio Lower Upper

62 100

64 39.0 22.7 42.3



#6

Bromomethane

Concen: 2.165 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006306.D

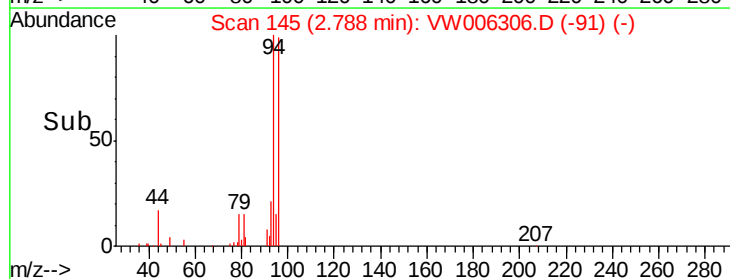
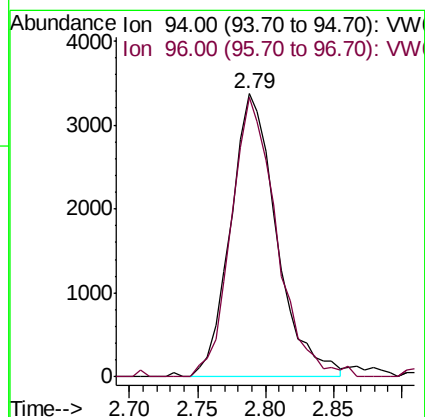
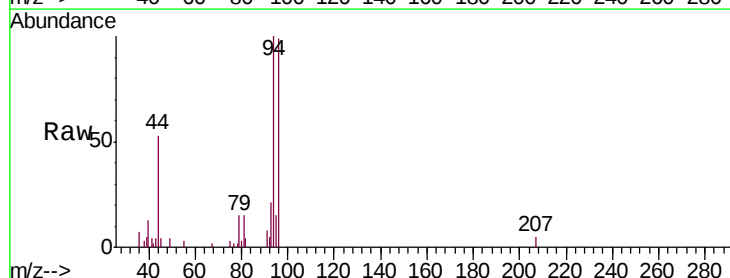
Acq: 23 Oct 2018 20:16

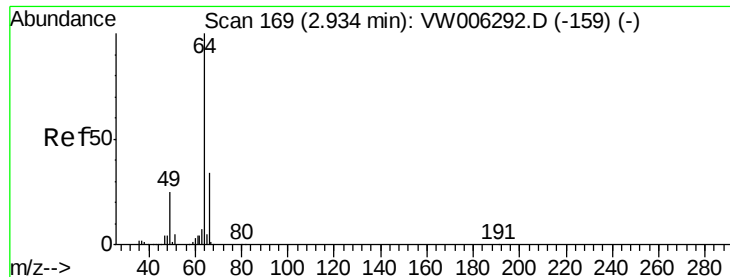
Tgt Ion: 94 Resp: 7965

Ion Ratio Lower Upper

94 100

96 96.0 9.5 181.3





#8

Chloroethane

Concen: 2.200 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

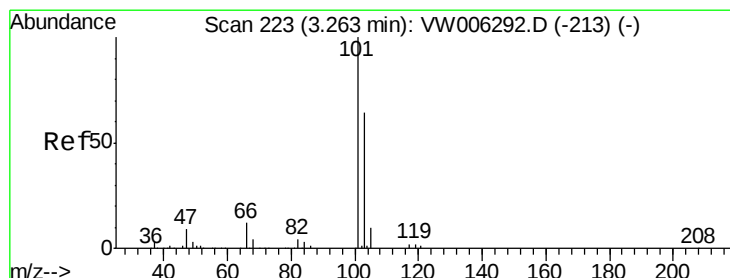
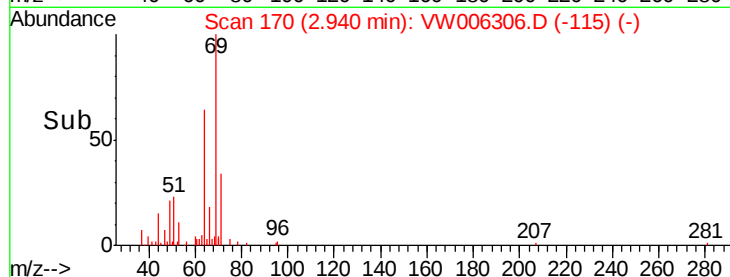
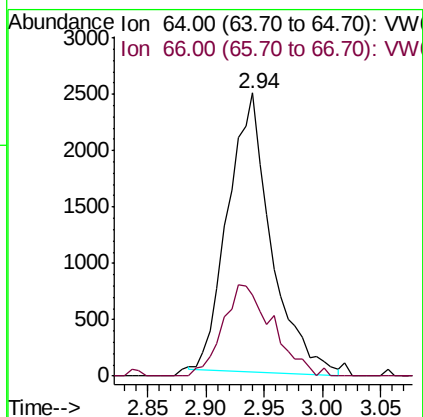
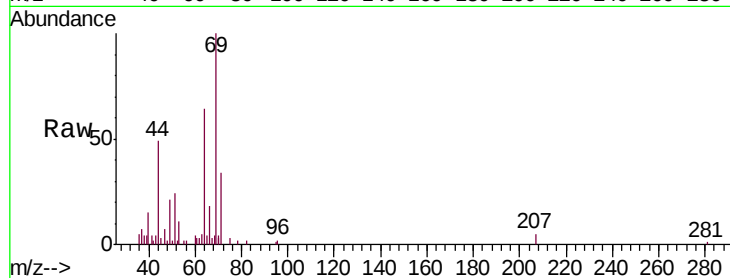
MDL 2 PPB

Tgt Ion: 64 Resp: 6369

Ion Ratio Lower Upper

64 100

66 28.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 2.228 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006306.D

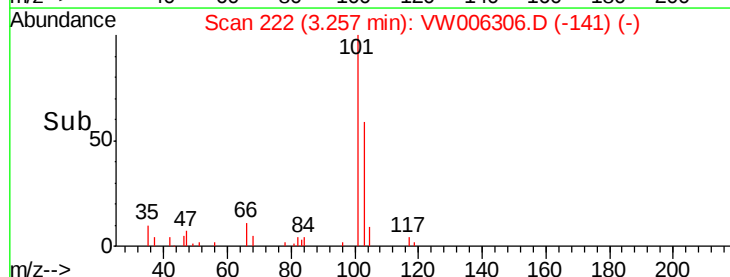
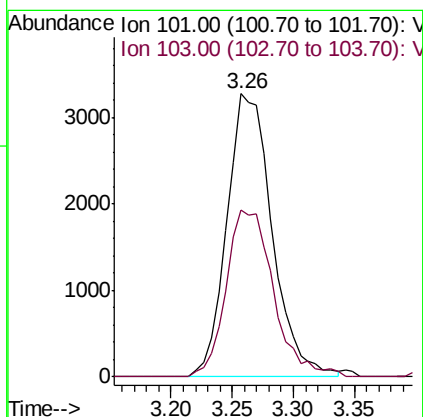
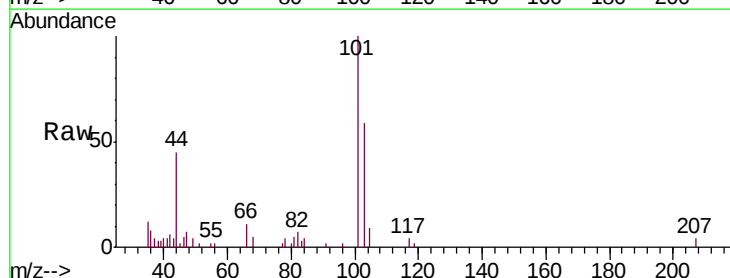
Acq: 23 Oct 2018 20:16

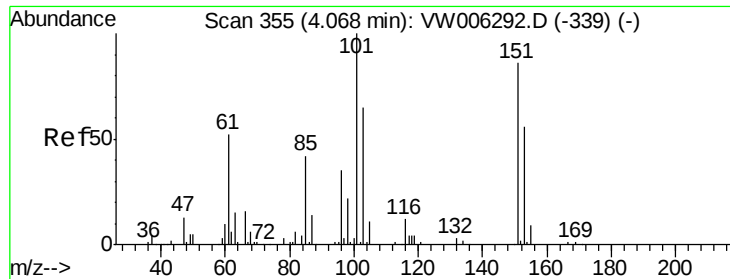
Tgt Ion: 101 Resp: 8422

Ion Ratio Lower Upper

101 100

103 60.9 45.6 84.6





#11

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

Concen: 2.543 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

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ClientSampleId :

MDL 2 PPB

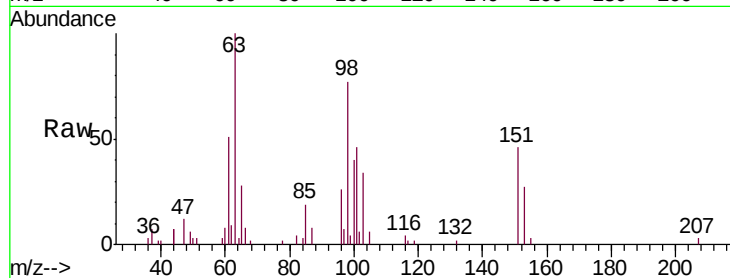
Tgt Ion:101 Resp: 9608

Ion Ratio Lower Upper

101 100

85 17.2 33.4 50.2#

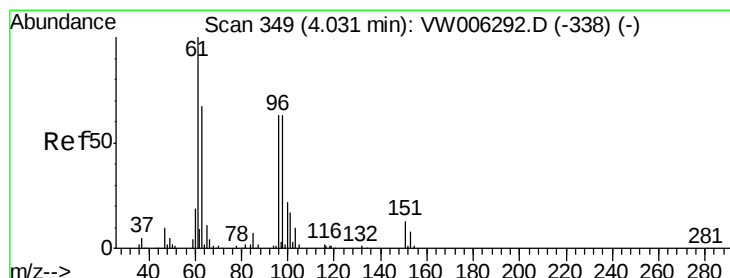
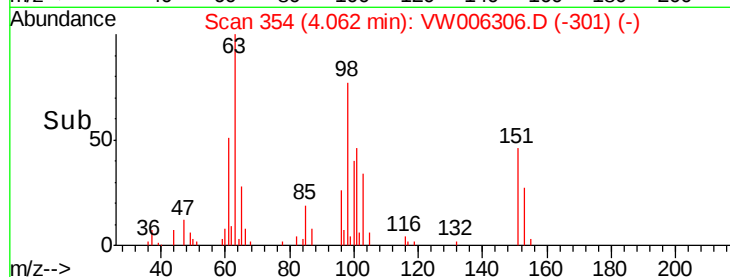
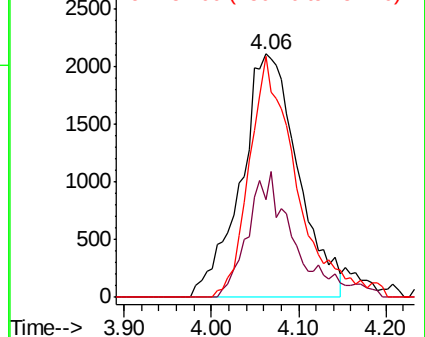
151 80.4 68.7 103.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.468 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

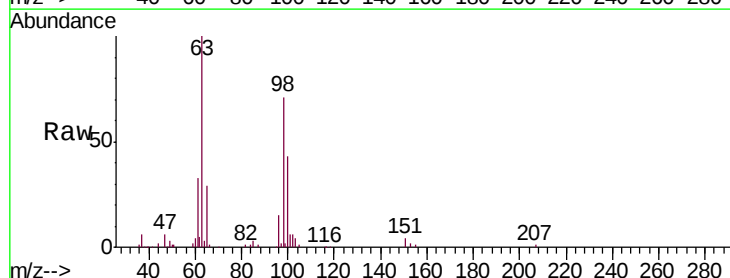
Tgt Ion: 96 Resp: 8947

Ion Ratio Lower Upper

96 100

61 220.0 112.3 208.7#

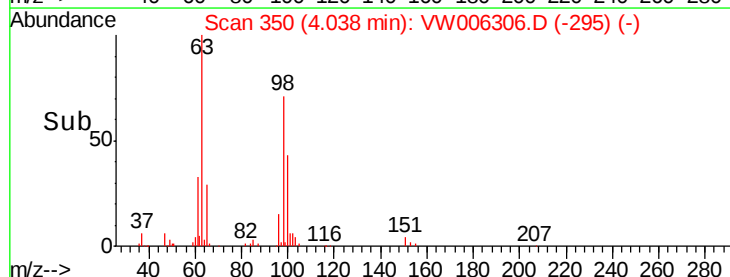
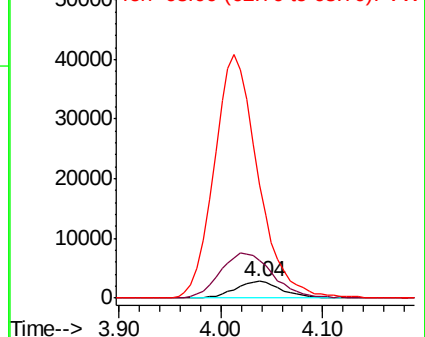
63 664.5 102.6 190.6#

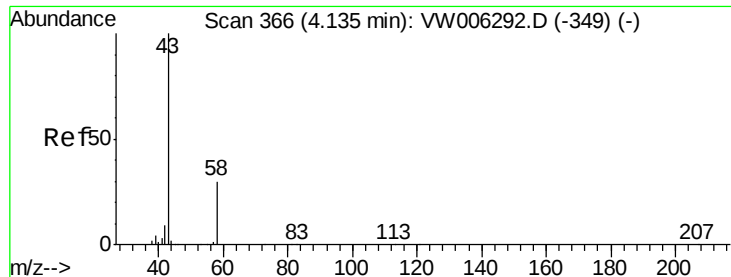


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.477 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

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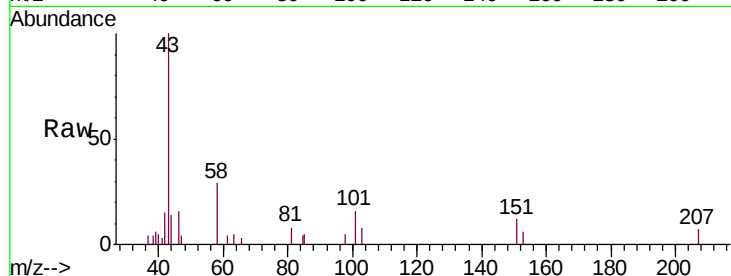
MDL 2 PPB

Tgt Ion: 43 Resp: 6532

Ion Ratio Lower Upper

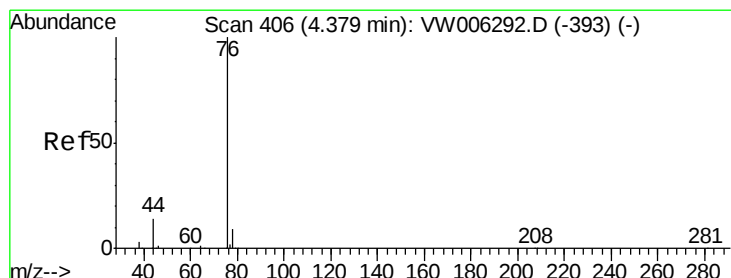
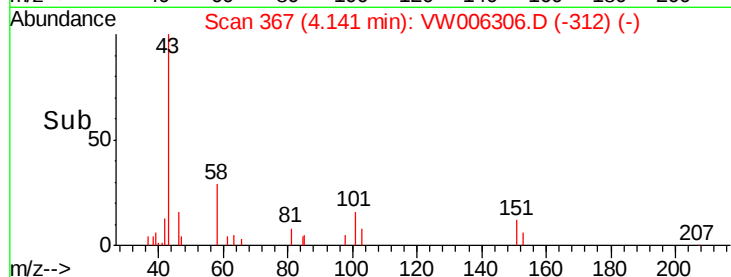
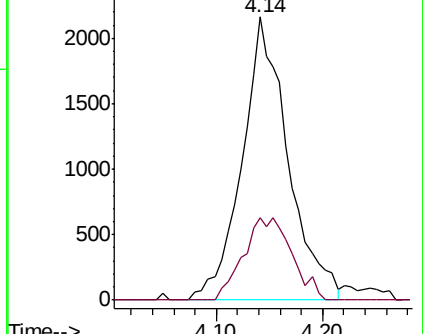
43 100

58 16.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.798 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006306.D

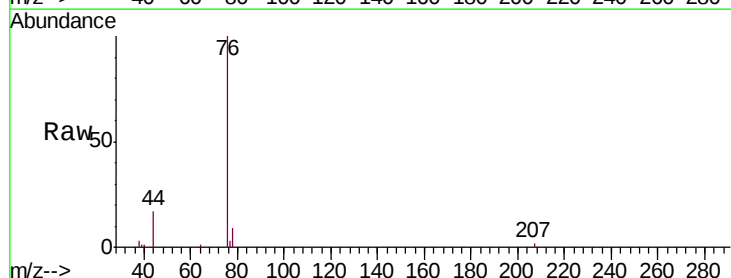
Acq: 23 Oct 2018 20:16

Tgt Ion: 76 Resp: 21314

Ion Ratio Lower Upper

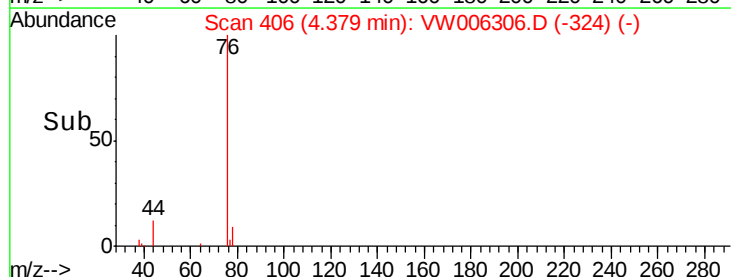
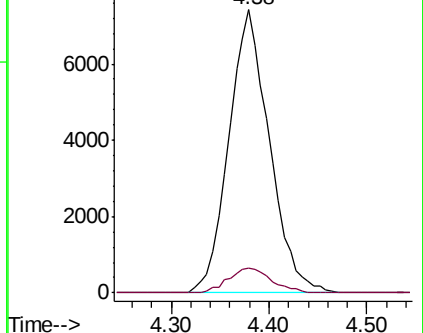
76 100

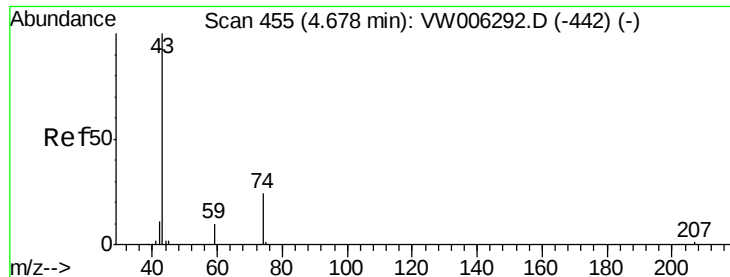
78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

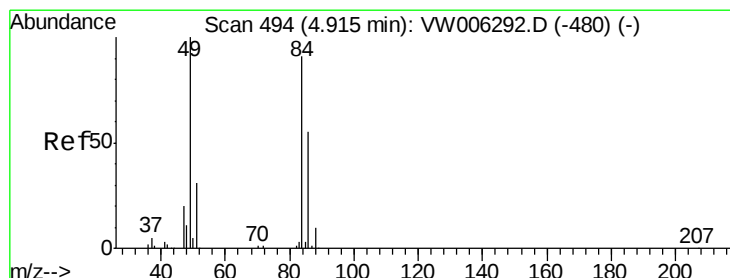
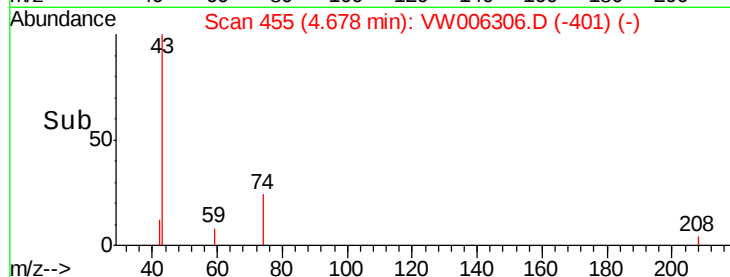
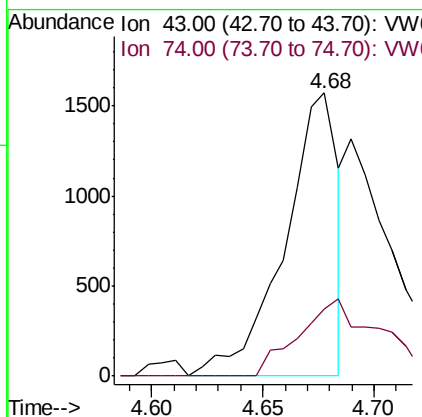
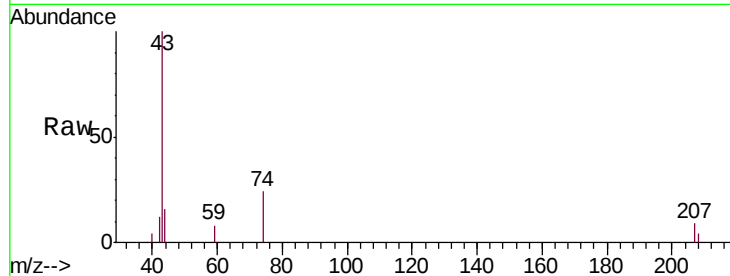




#15
Methyl Acetate
Concen: 1.358 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

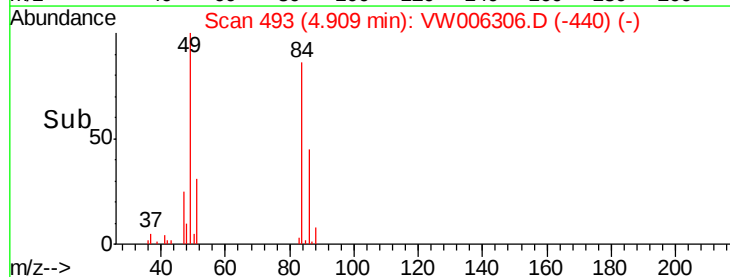
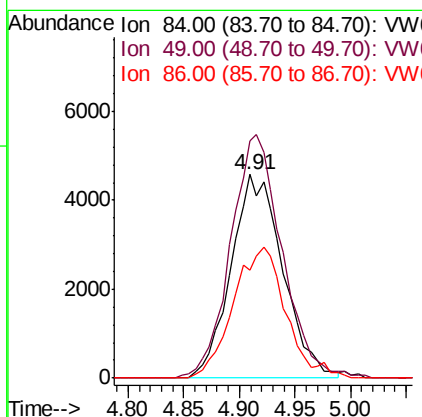
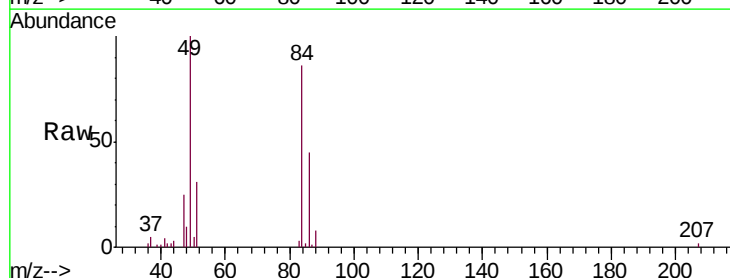
Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

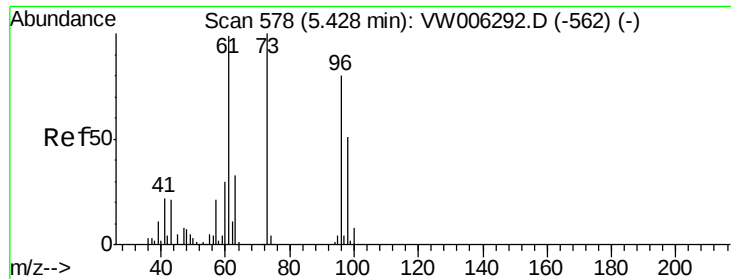
Tgt Ion: 43 Resp: 2623
Ion Ratio Lower Upper
43 100
74 30.0 19.4 29.2#



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

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

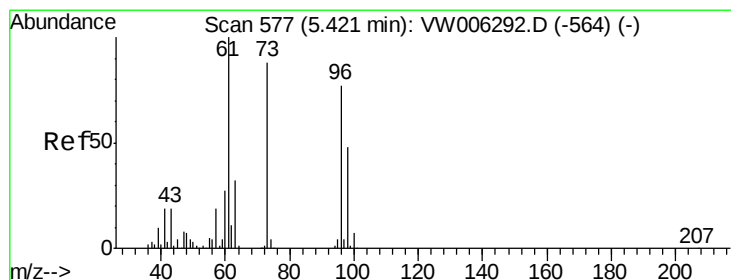
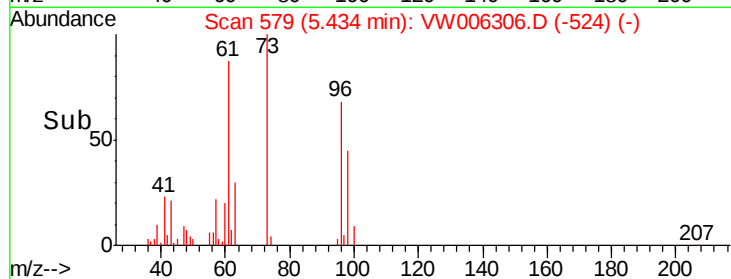
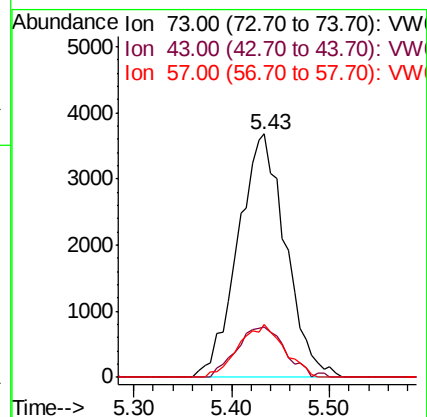
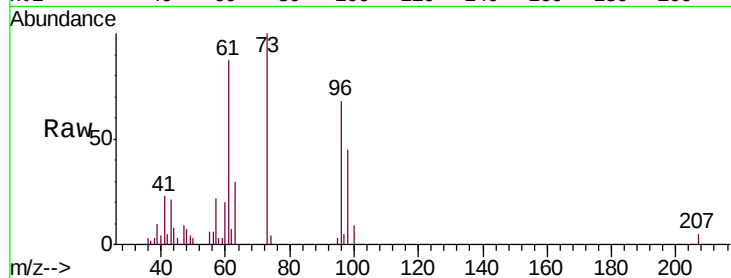




#17
Methyl tert-butyl Ether
Concen: 2.102 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

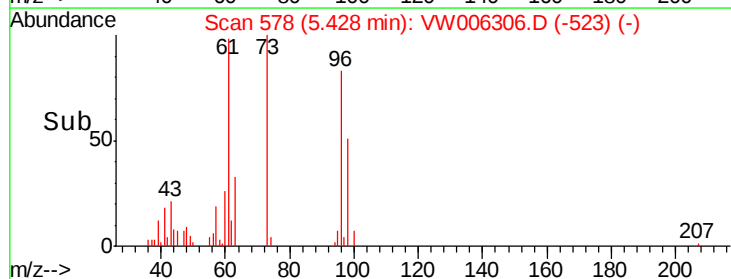
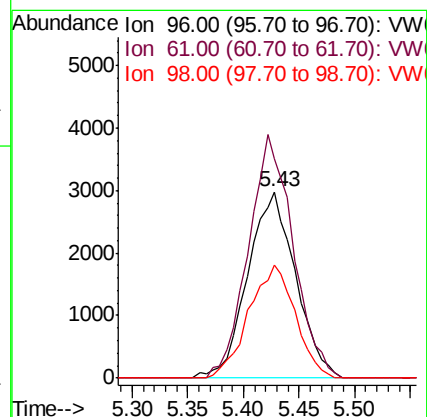
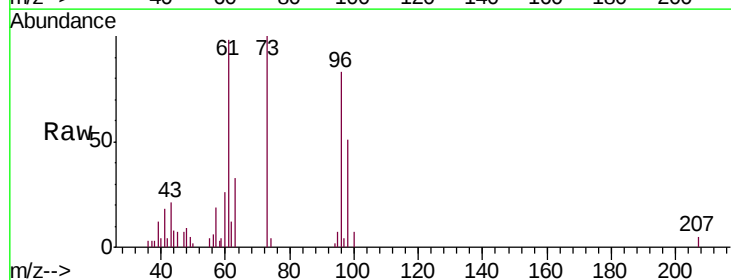
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

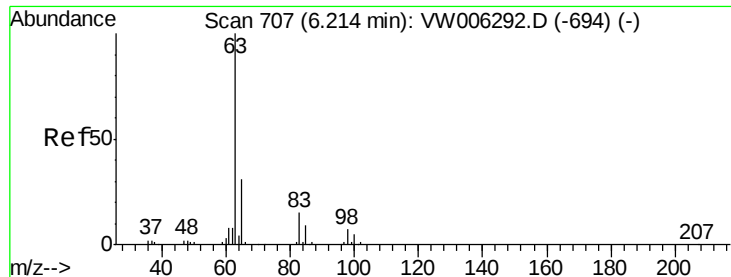
Tgt Ion: 73 Resp: 12407
Ion Ratio Lower Upper
73 100
43 20.8 17.0 25.4
57 20.8 17.1 25.7



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

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

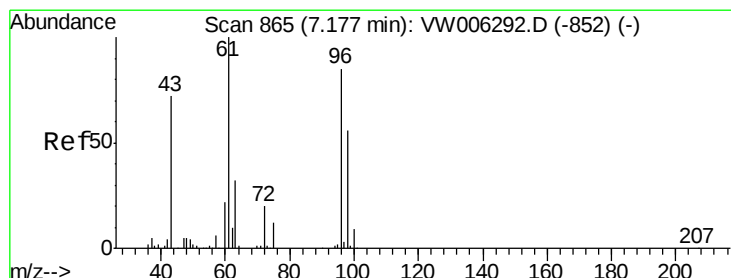
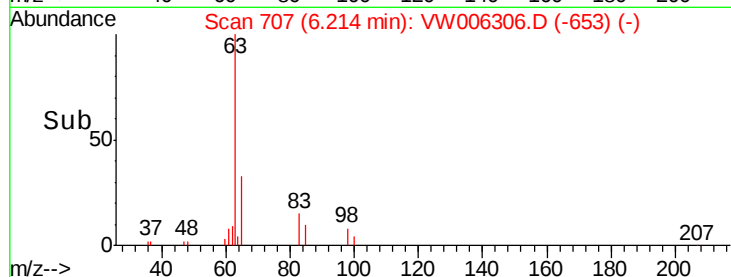
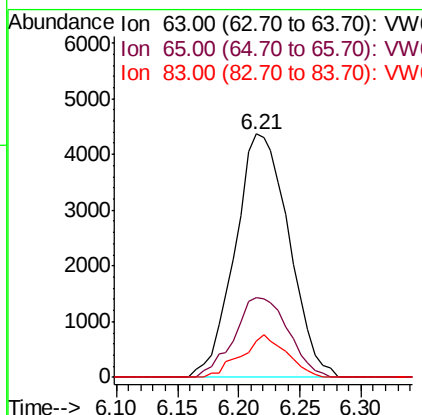
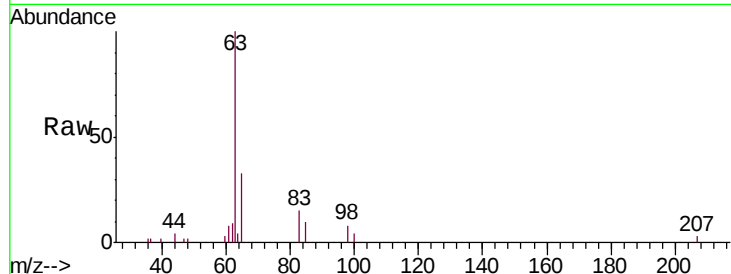




#19
 1,1-Dichloroethane
 Concen: 2.055 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

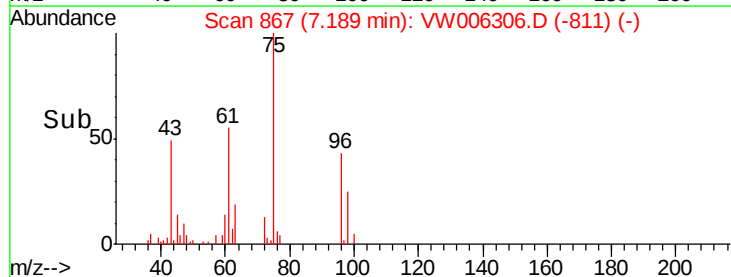
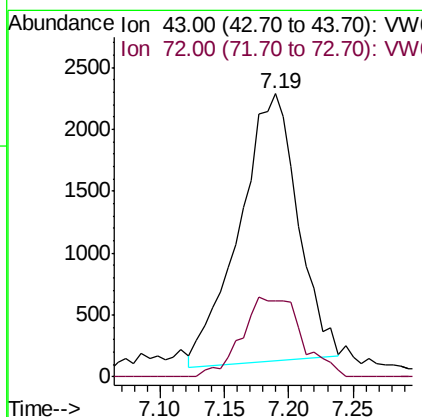
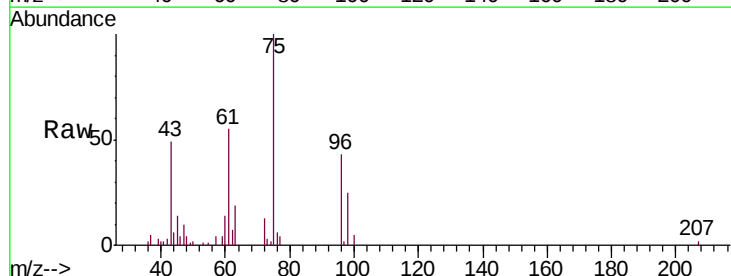
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

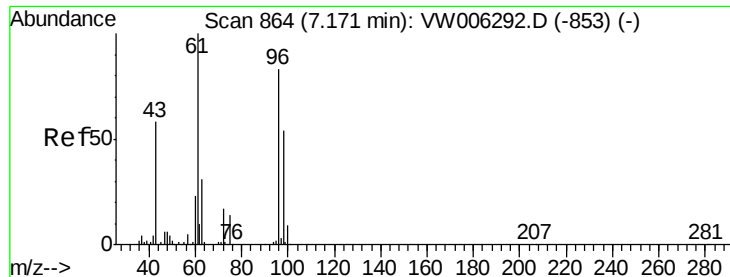
Tgt Ion: 63 Resp: 13347
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.3 41.5
 83 14.8 9.7 18.1



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

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



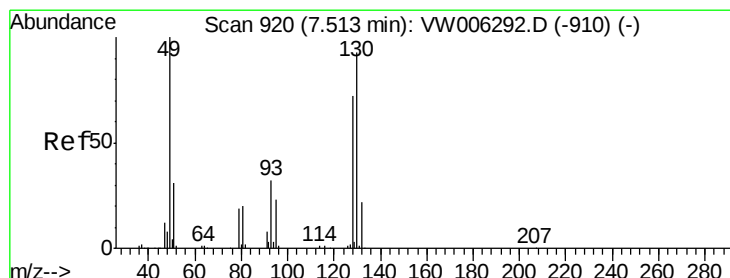
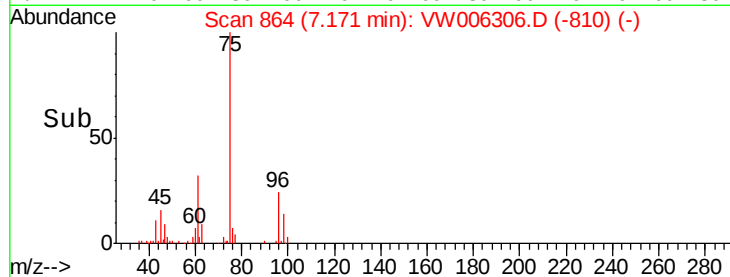
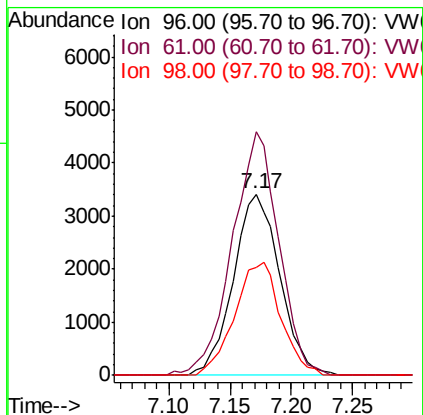
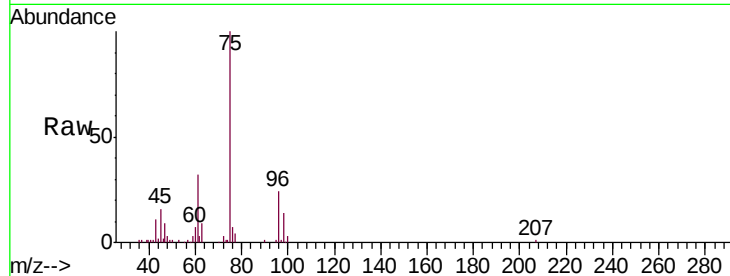


#22

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

Instrument :
MSVOA_W
ClientSampled :
MDL 2 PPB

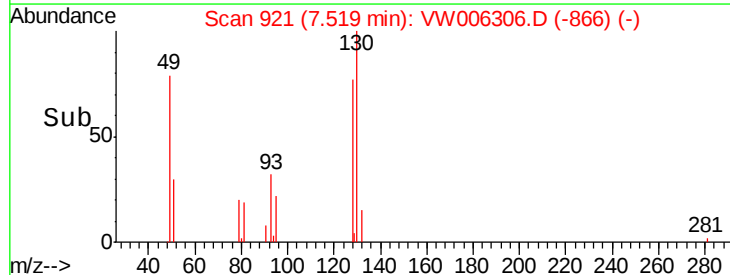
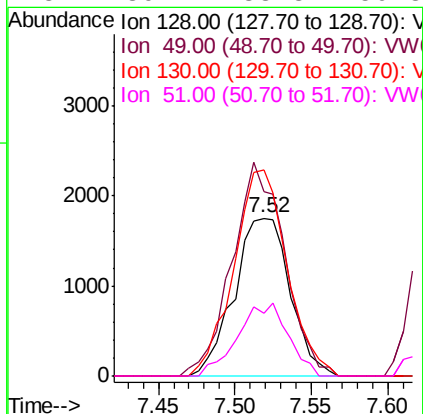
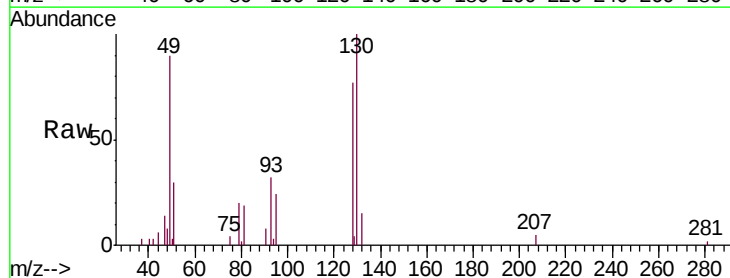
Tgt Ion: 96 Resp: 9009
Ion Ratio Lower Upper
96 100
61 134.4 85.1 158.1
98 59.9 46.3 86.1

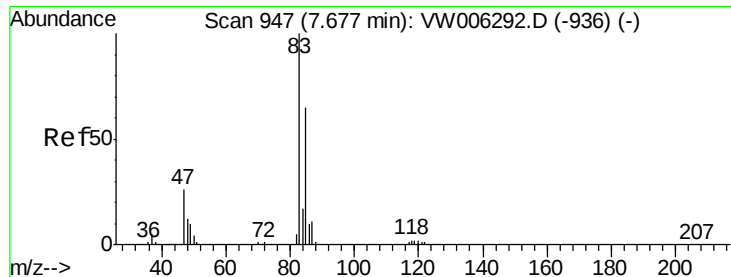


#23

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

Tgt Ion: 128 Resp: 4458
Ion Ratio Lower Upper
128 100
49 117.1 95.2 176.8
130 130.7 86.3 160.3
51 39.7 33.8 50.8





#25

Chloroform

Concen: 2.257 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

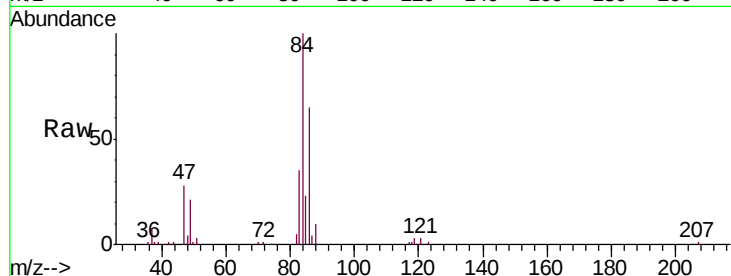
MDL 2 PPB

Tgt Ion: 83 Resp: 15784

Ion Ratio Lower Upper

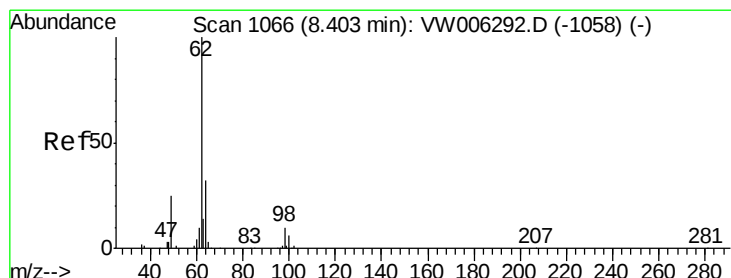
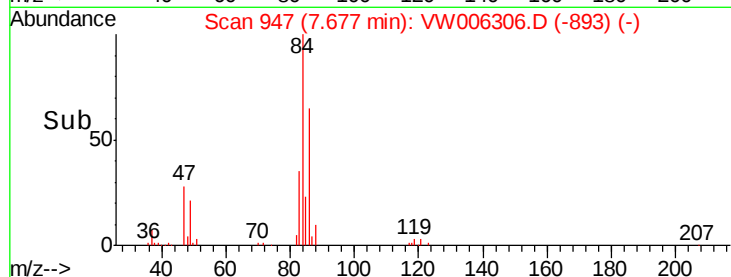
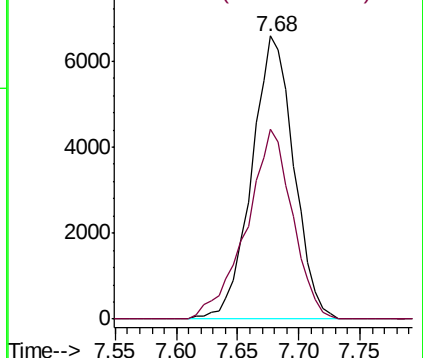
83 100

85 73.3 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.178 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW006306.D

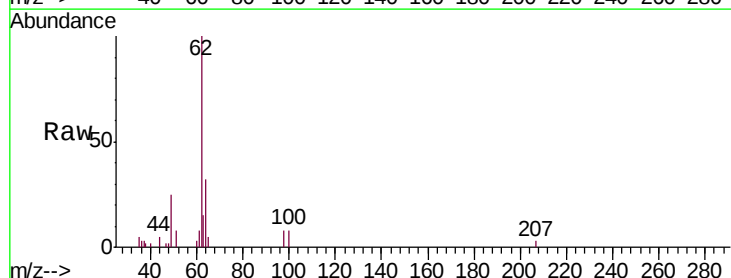
Acq: 23 Oct 2018 20:16

Tgt Ion: 62 Resp: 10382

Ion Ratio Lower Upper

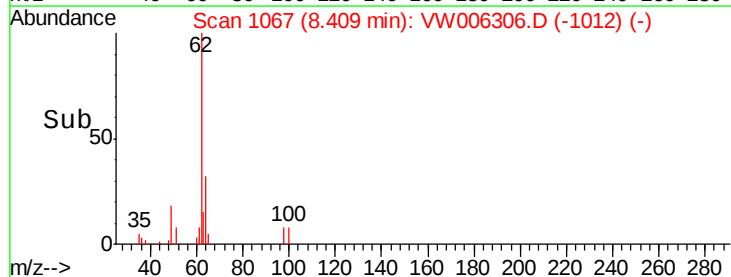
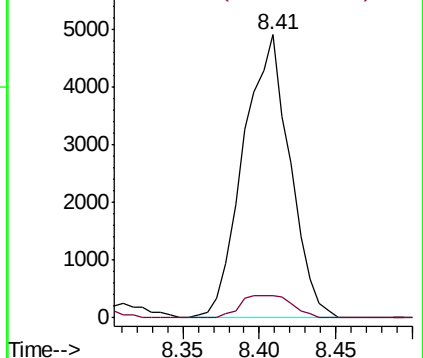
62 100

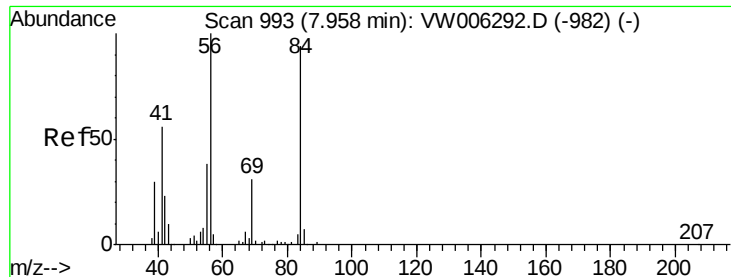
98 7.8 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

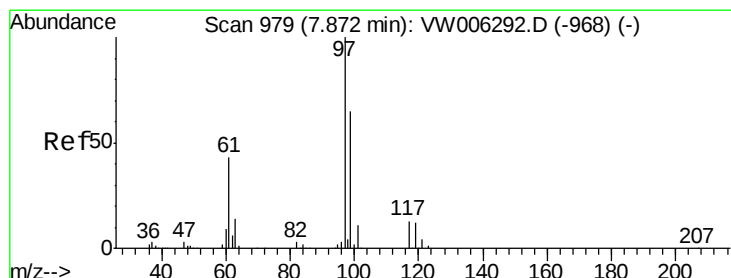
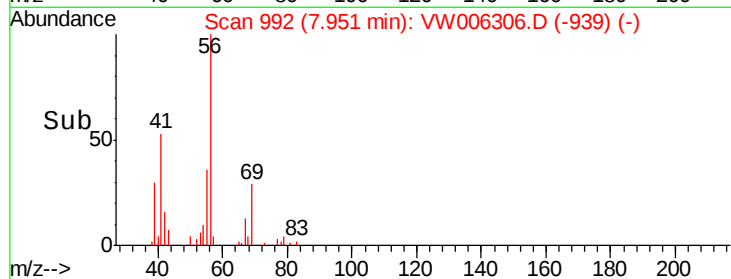
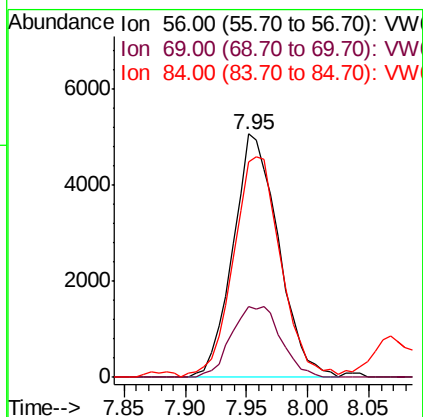
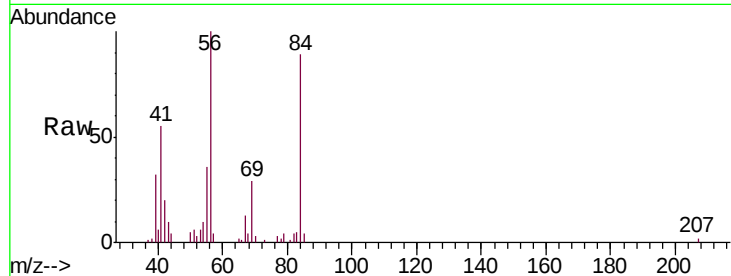




#30
Cyclohexane
Concen: 2.025 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006306.D
Acq: 23 Oct 2018 20:16

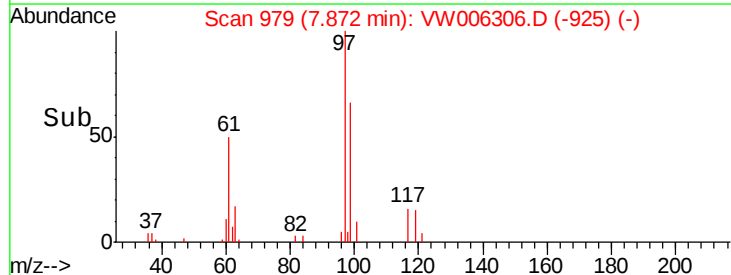
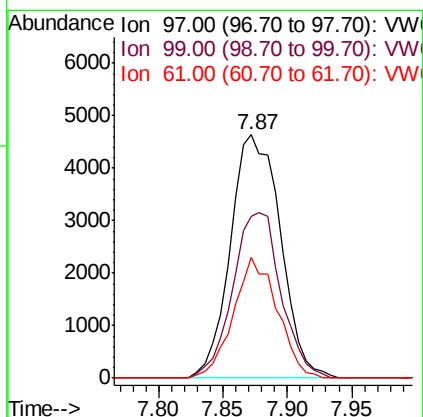
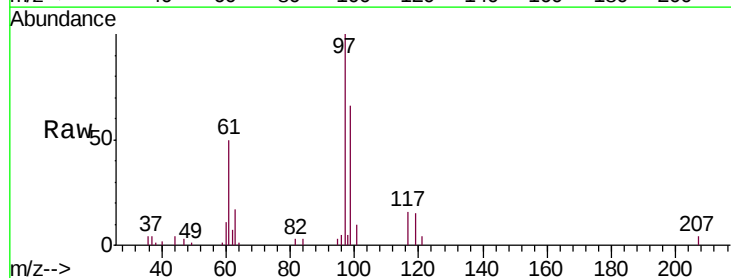
Instrument :
MSVOA_W
ClientSampleId :
MDL 2 PPB

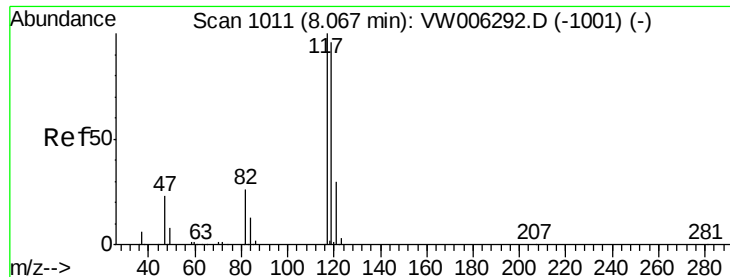
Tgt Ion: 56 Resp: 13081
Ion Ratio Lower Upper
56 100
69 31.7 25.4 38.0
84 94.7 73.9 110.9



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

Tgt Ion: 97 Resp: 12509
Ion Ratio Lower Upper
97 100
99 65.5 51.0 76.4
61 43.6 33.6 50.4





#32

Carbon tetrachloride

Concen: 1.978 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

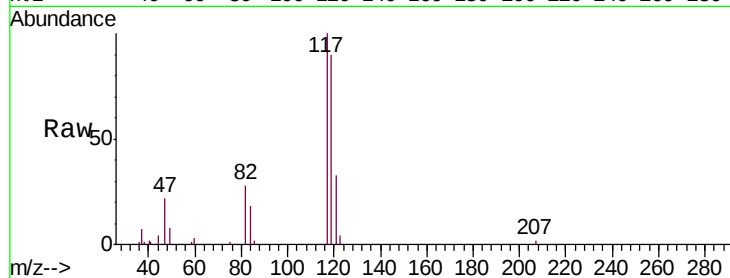
MDL 2 PPB

Tgt Ion:117 Resp: 11930

Ion Ratio Lower Upper

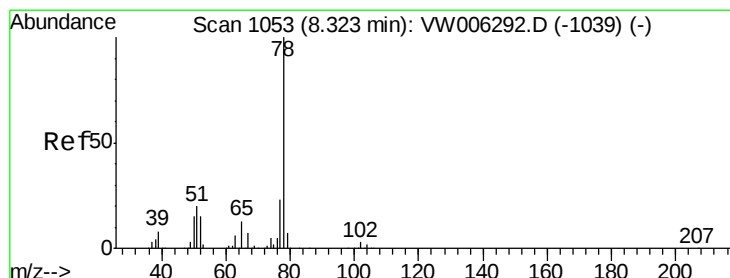
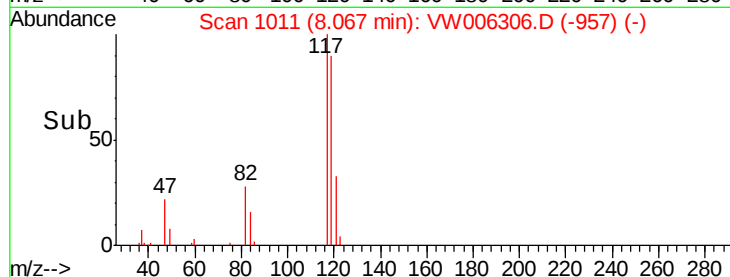
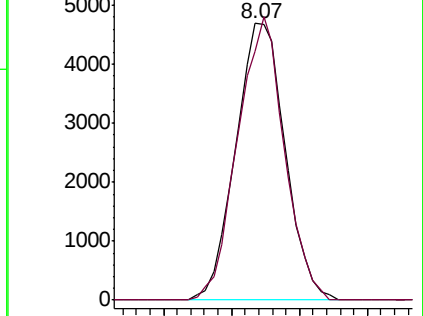
117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.144 ug/L

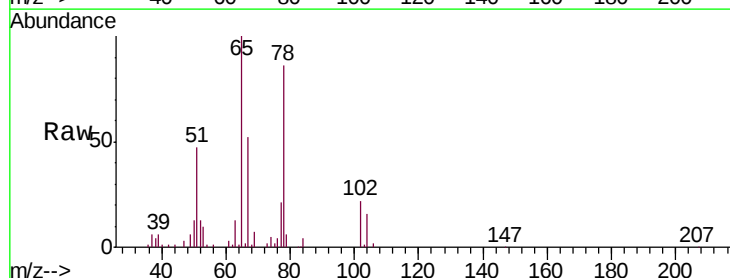
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

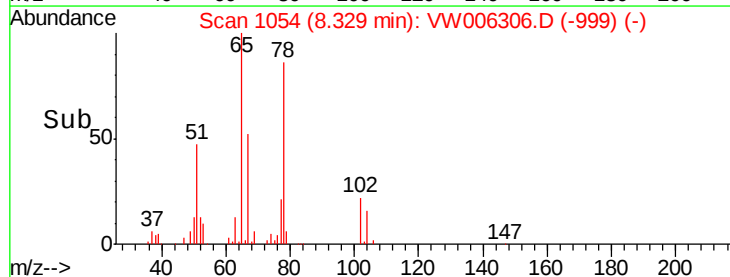
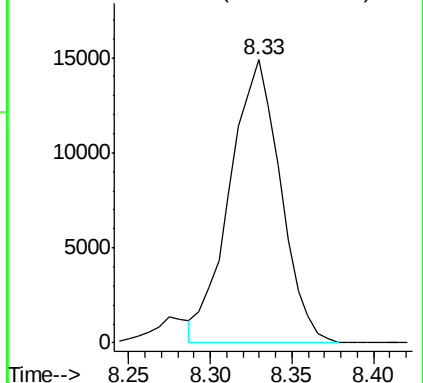
Lab File: VW006306.D

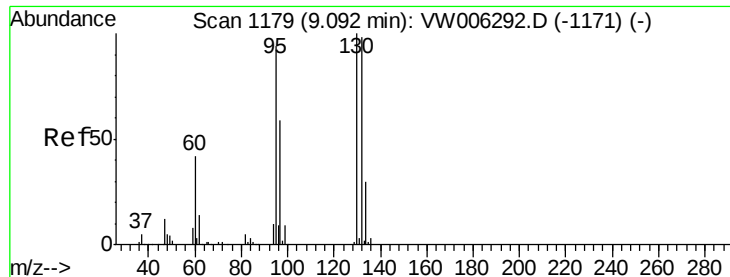
Acq: 23 Oct 2018 20:16

Tgt Ion: 78 Resp: 32341



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.175 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 95 Resp: 9232

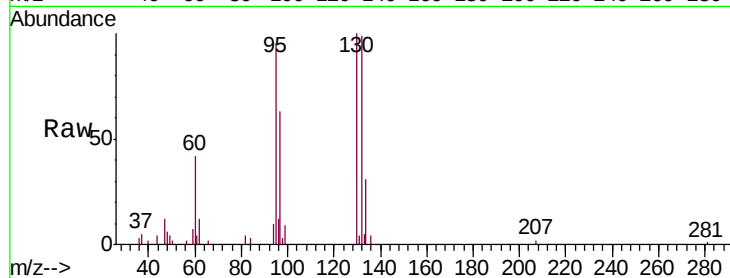
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.0

132 101.0 72.9 135.3

130 104.6 75.8 140.8

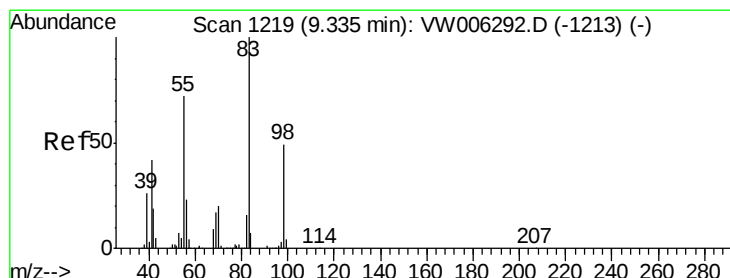
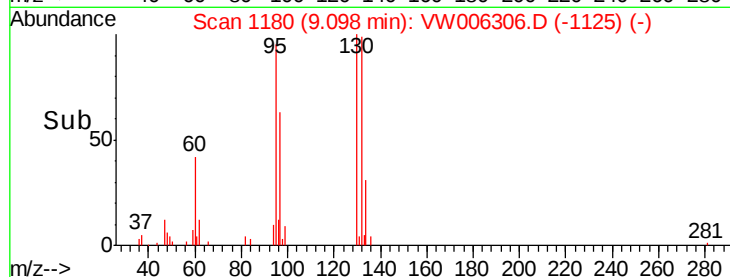
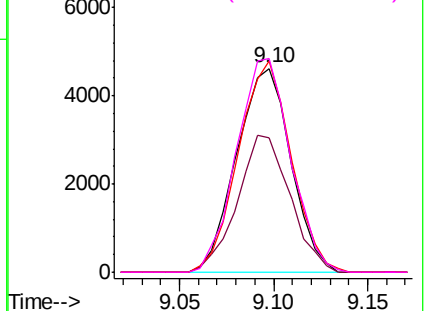


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 1.989 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

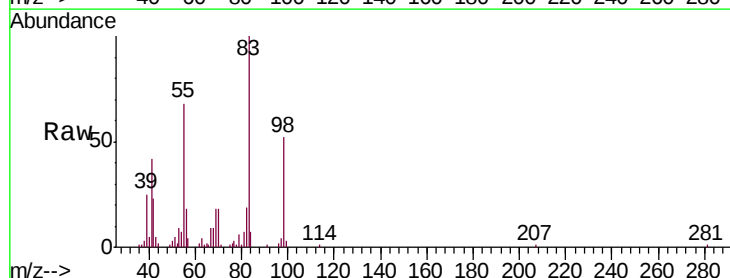
Tgt Ion: 83 Resp: 15468

Ion Ratio Lower Upper

83 100

55 75.3 57.1 85.7

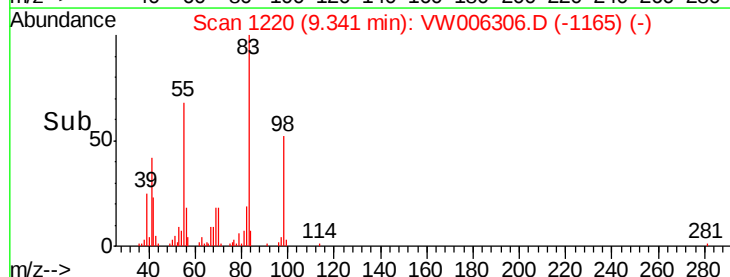
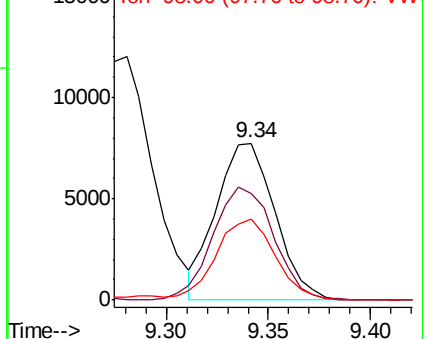
98 52.1 38.9 58.3

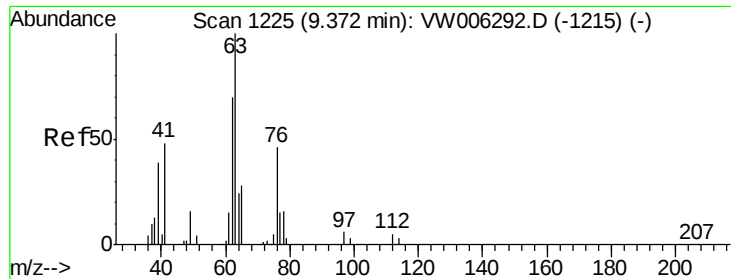


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

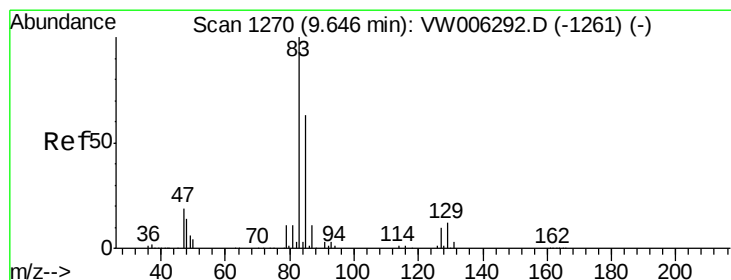
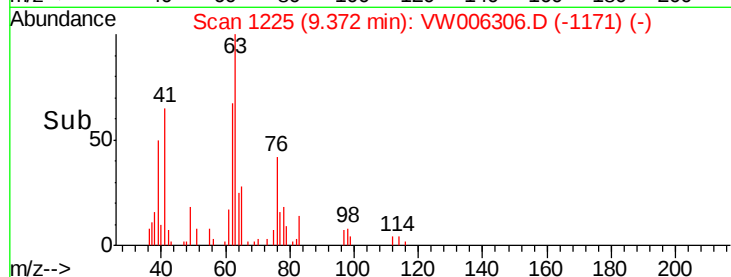
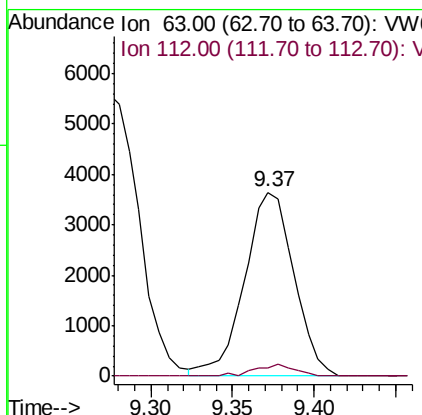
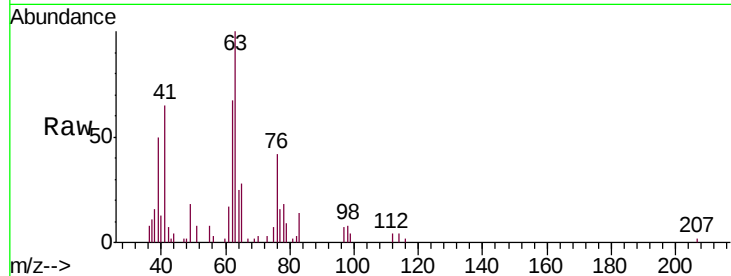




#40
 1,2-Dichloropropane
 Concen: 2.054 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

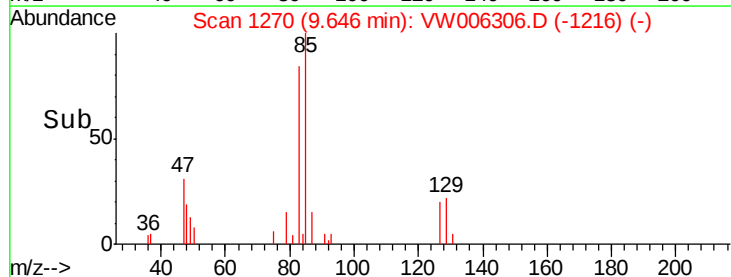
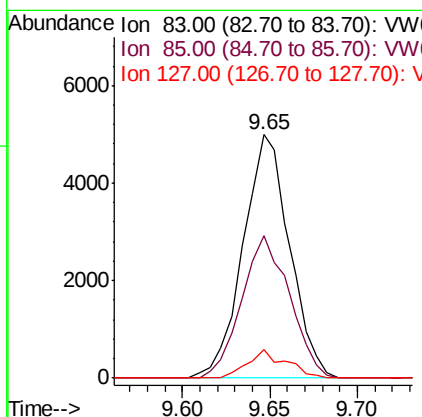
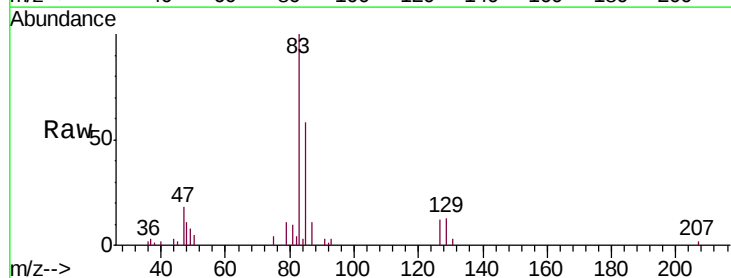
Instrument :
 MSVOA_W
 ClientSampled :
 MDL 2 PPB

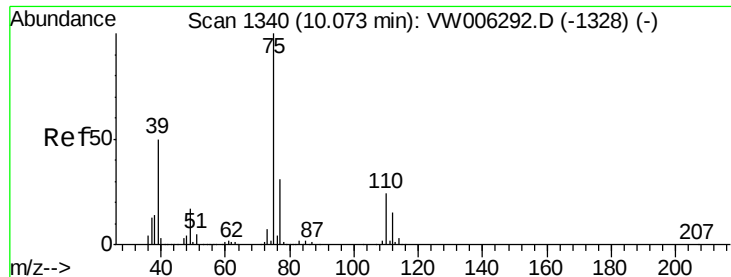
Tgt Ion: 63 Resp: 7687
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



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

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





#42

cis-1,3-Dichloropropene

Concen: 1.793 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

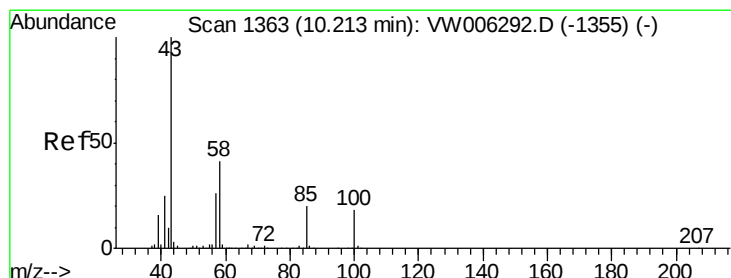
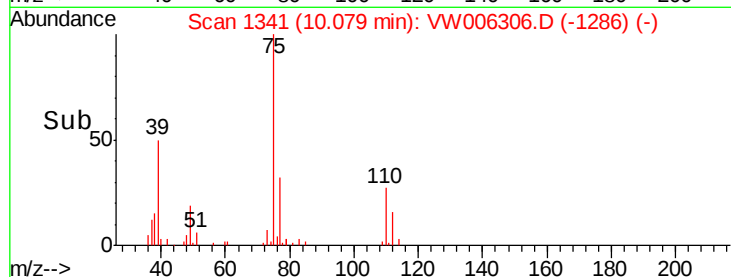
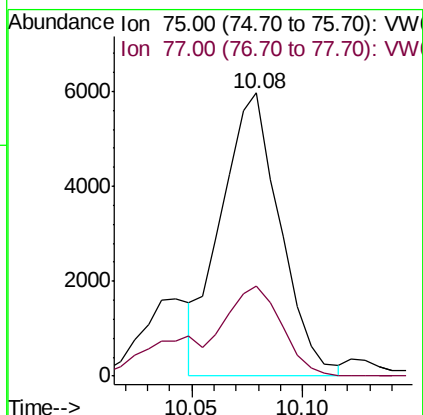
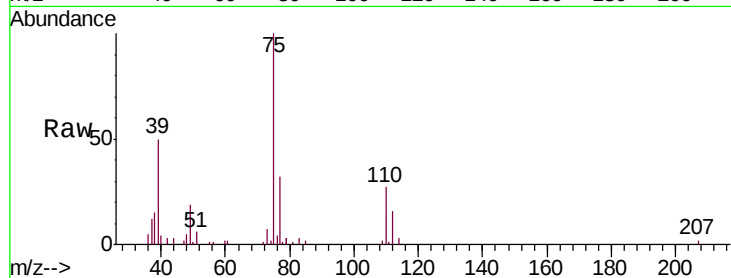
MDL 2 PPB

Tgt Ion: 75 Resp: 10962

Ion Ratio Lower Upper

75 100

77 31.8 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 4.251 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

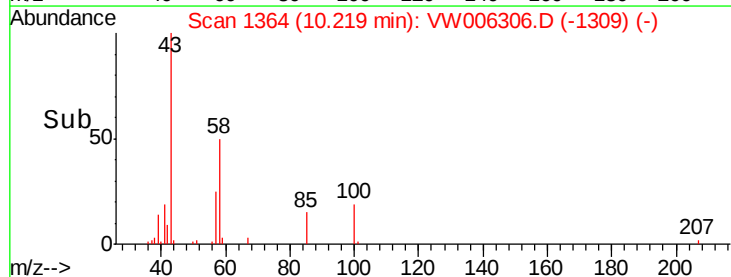
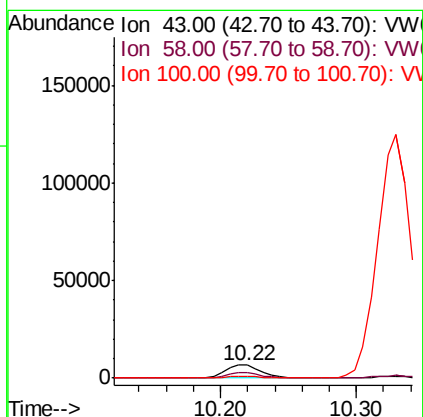
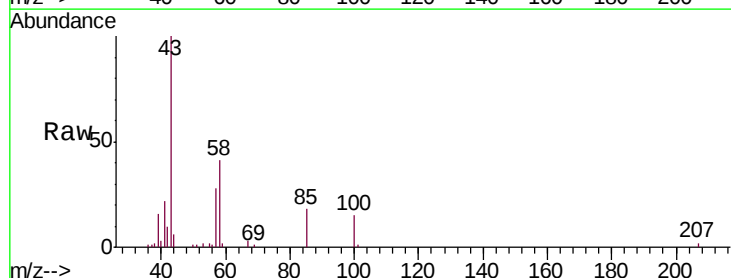
Tgt Ion: 43 Resp: 12747

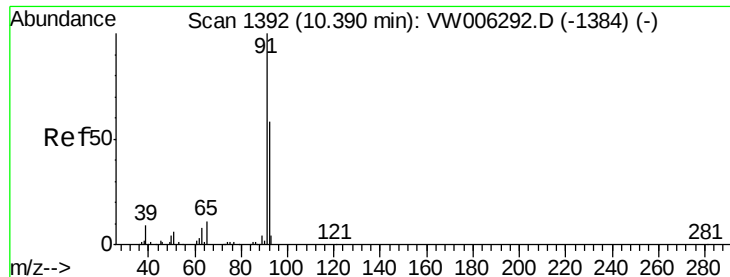
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 16.2 13.3 19.9





#44

Toluene

Concen: 2.130 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

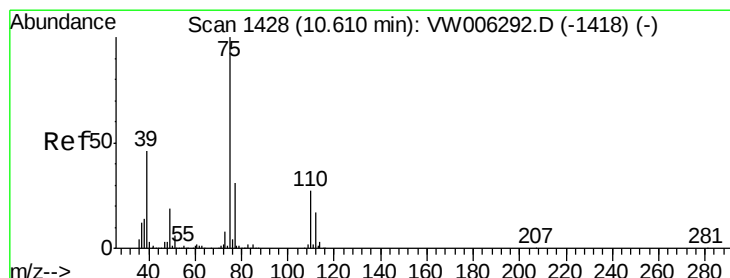
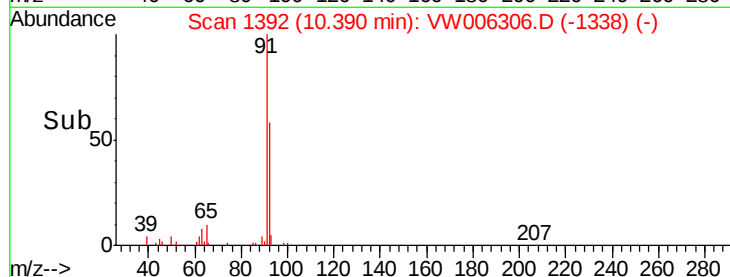
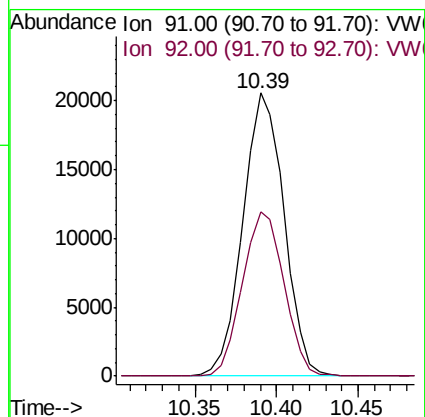
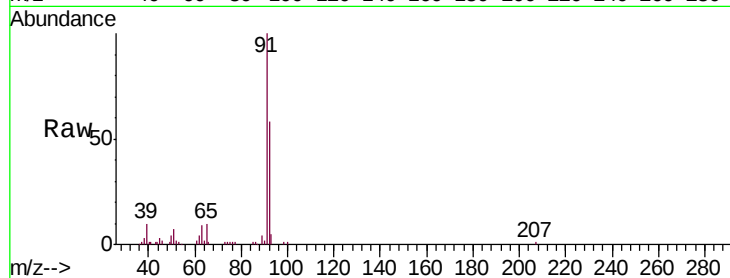
MDL 2 PPB

Tgt Ion: 91 Resp: 36077

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 2.041 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006306.D

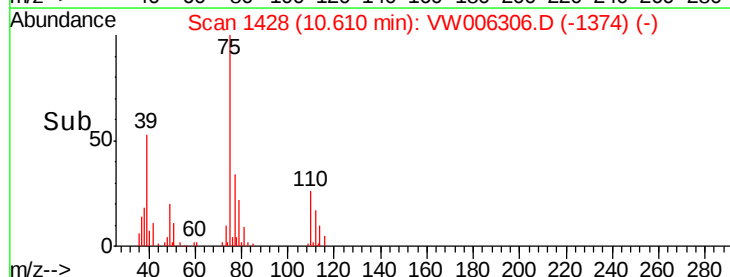
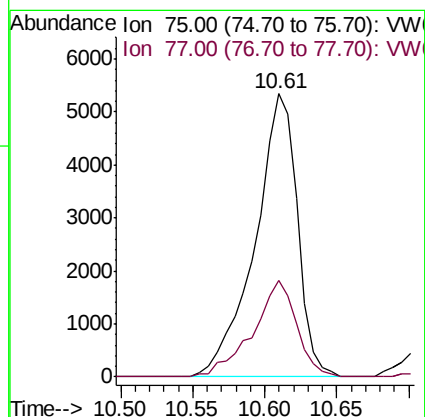
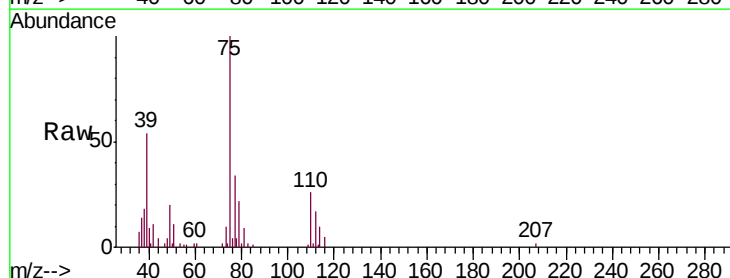
Acq: 23 Oct 2018 20:16

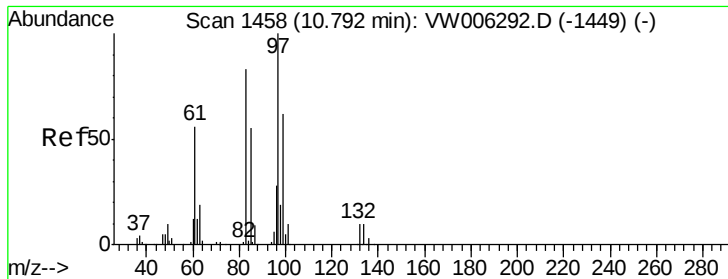
Tgt Ion: 75 Resp: 10899

Ion Ratio Lower Upper

75 100

77 34.1 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 2.127 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

MDL 2 PPB

Tgt Ion: 97 Resp: 6627

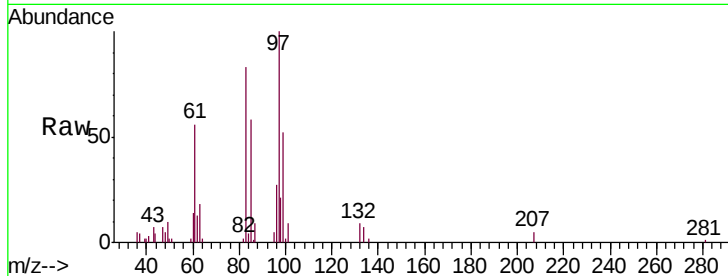
Ion Ratio Lower Upper

97 100

83 83.2 60.0 111.4

85 57.9 38.7 71.9

99 52.3 44.3 82.3

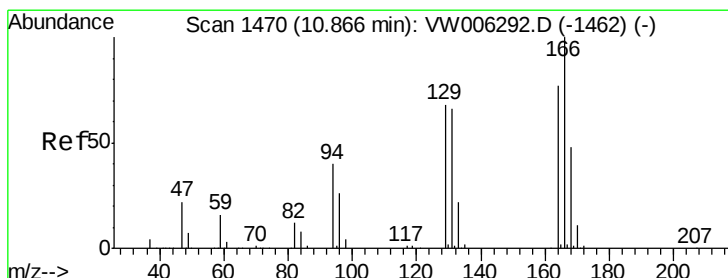
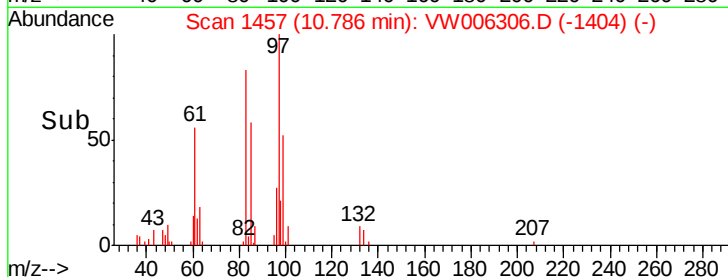
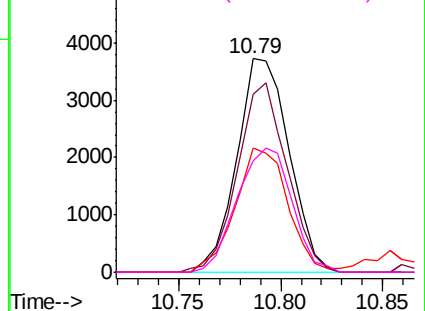


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.203 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Tgt Ion: 164 Resp: 8655

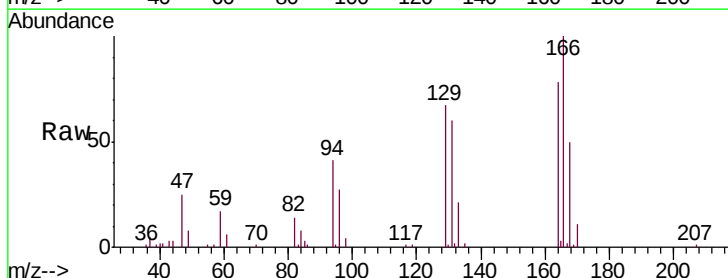
Ion Ratio Lower Upper

164 100

129 86.0 65.4 121.4

131 77.1 63.8 118.4

166 127.9 92.3 171.3

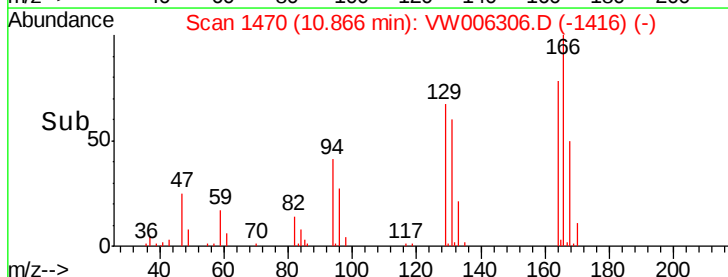
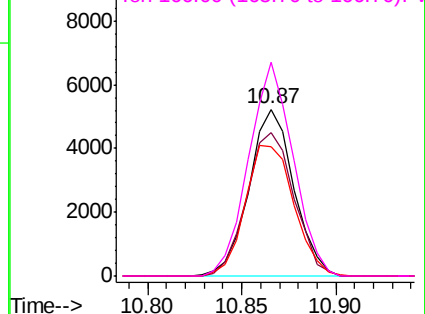


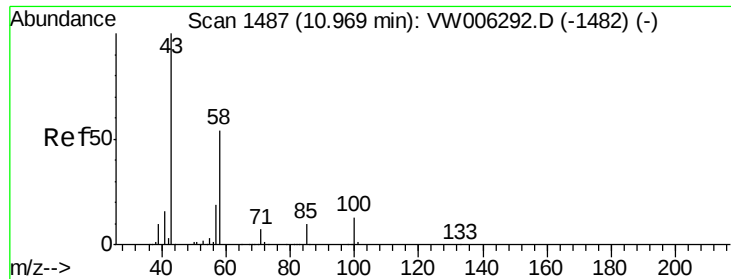
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 3.900 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

Tgt Ion: 43 Resp: 8619

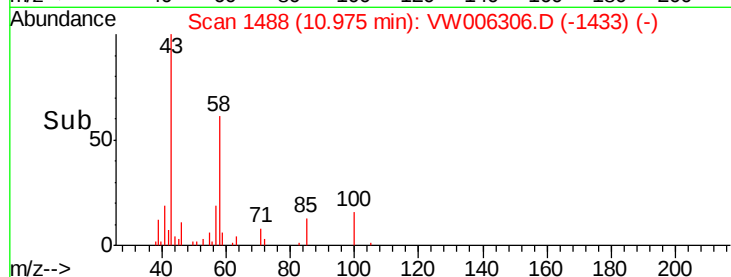
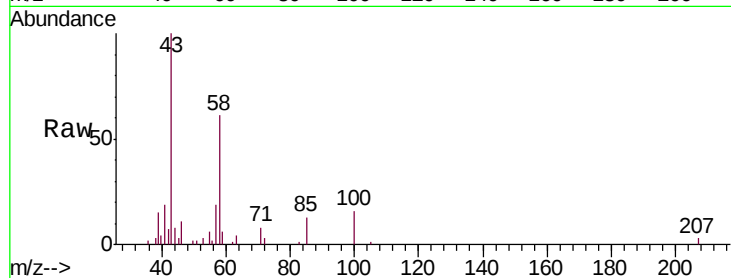
Ion Ratio Lower Upper

43 100

58 54.5 42.1 63.1

57 20.4 15.1 22.7

100 14.7 9.9 14.9

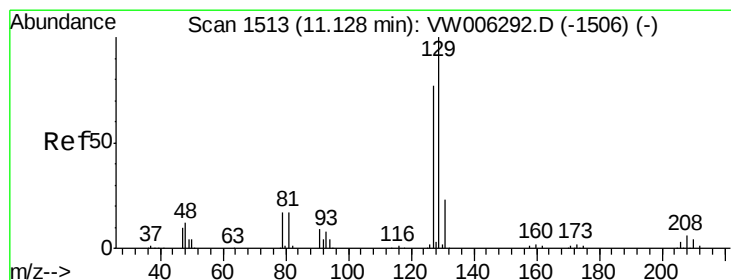
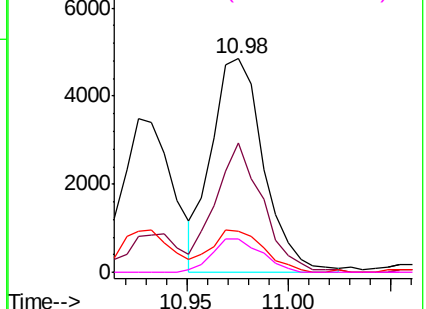


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 1.719 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006306.D

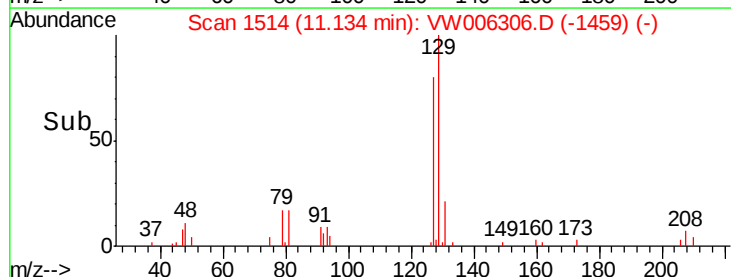
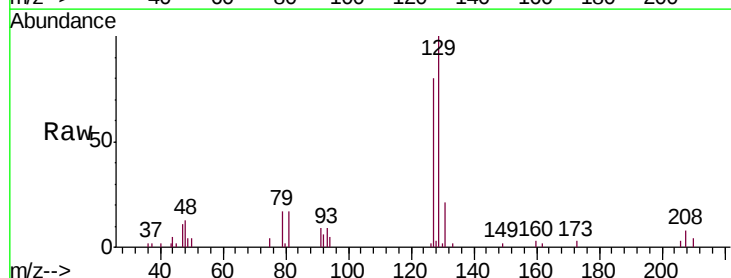
Acq: 23 Oct 2018 20:16

Tgt Ion: 129 Resp: 6865

Ion Ratio Lower Upper

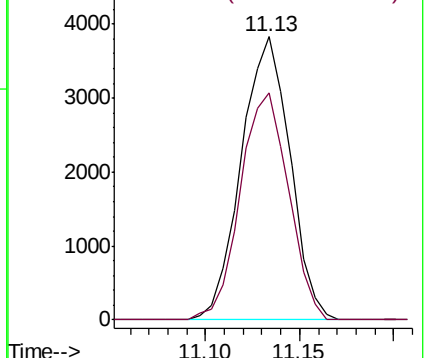
129 100

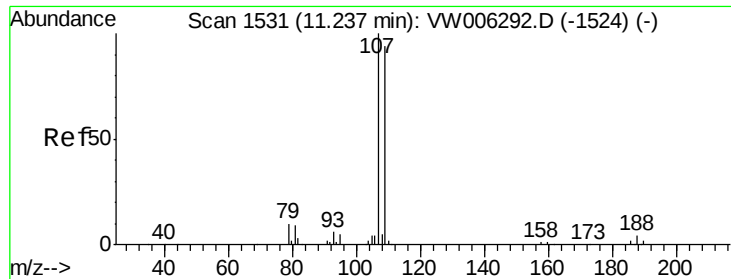
127 80.3 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

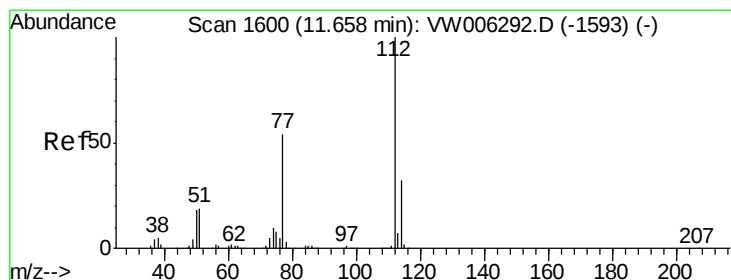
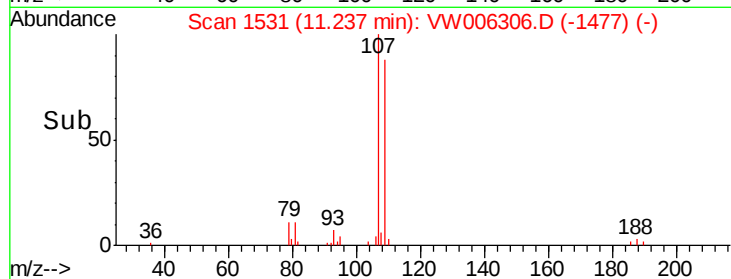
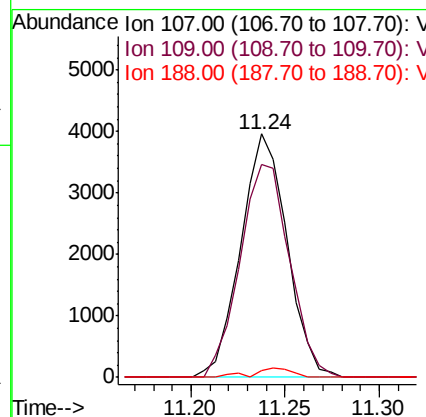
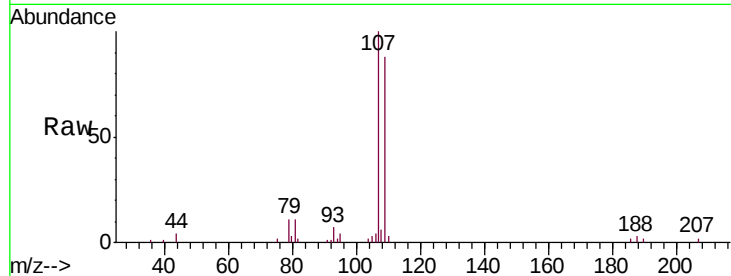




#51
 1,2-Dibromoethane
 Concen: 2.081 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

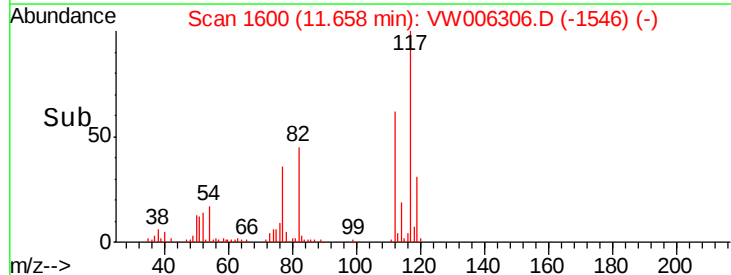
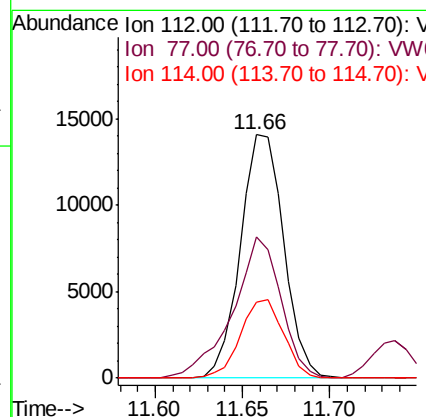
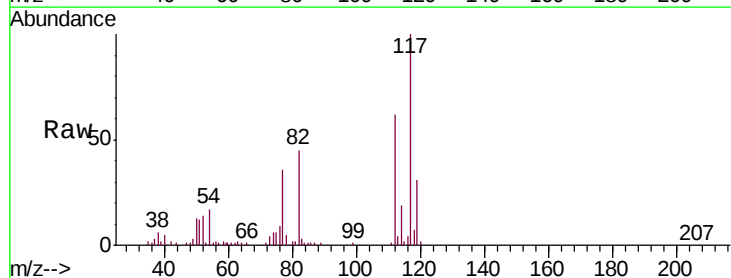
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

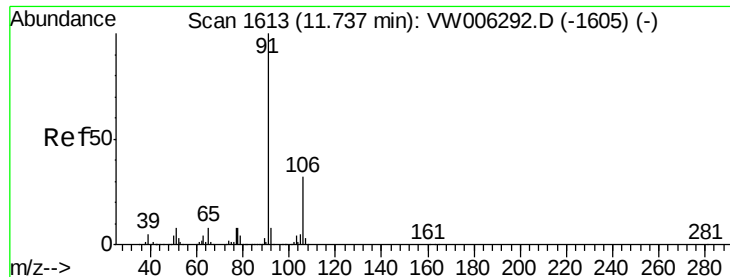
Tgt Ion:107 Resp: 6751
 Ion Ratio Lower Upper
 107 100
 109 87.6 66.6 123.8
 188 2.9 3.4 5.0#



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

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





#53

Ethylbenzene

Concen: 2.042 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

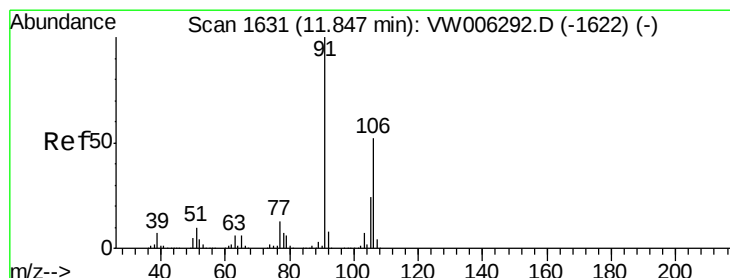
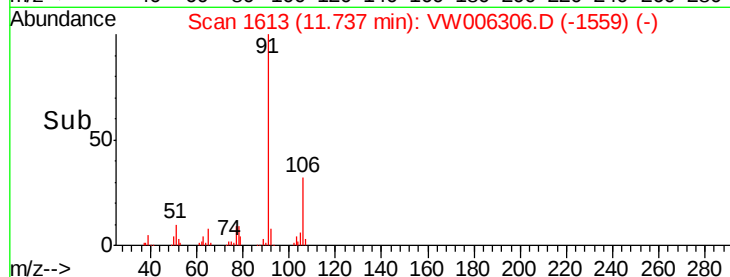
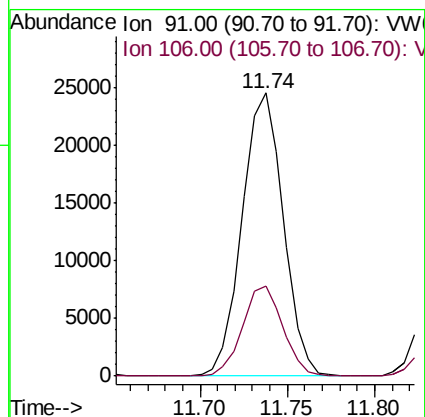
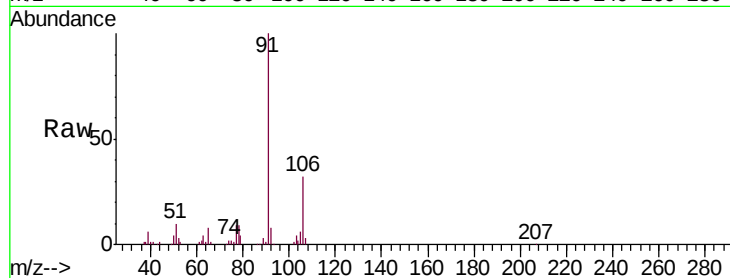
MDL 2 PPB

Tgt Ion: 91 Resp: 40263

Ion Ratio Lower Upper

91 100

106 31.9 22.6 42.0



#54

m,p-Xylene

Concen: 1.903 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW006306.D

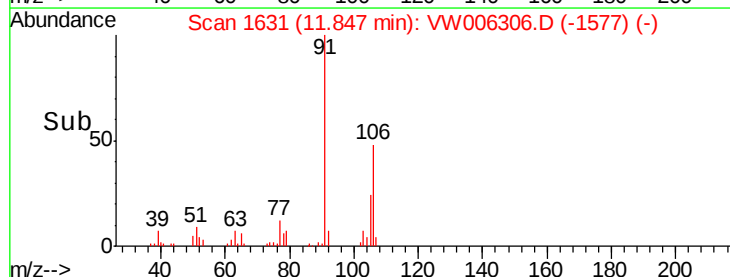
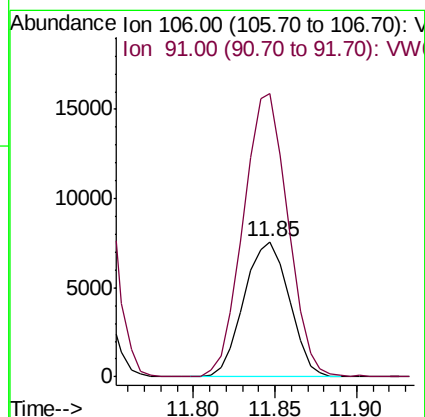
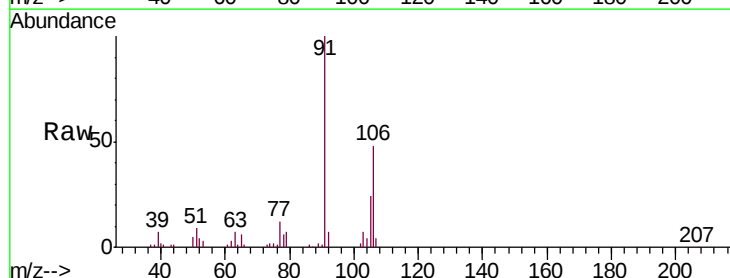
Acq: 23 Oct 2018 20:16

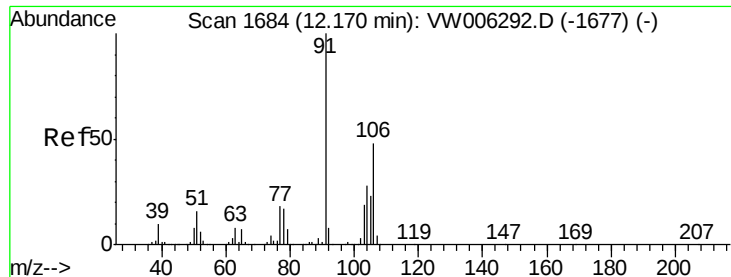
Tgt Ion: 106 Resp: 14706

Ion Ratio Lower Upper

106 100

91 209.3 138.4 257.0





#55

o-xylene

Concen: 1.852 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampled :

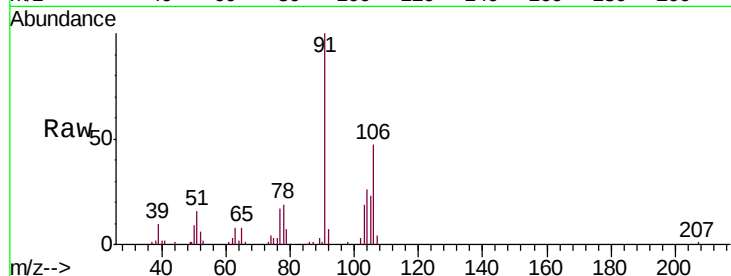
MDL 2 PPB

Tgt Ion:106 Resp: 13669

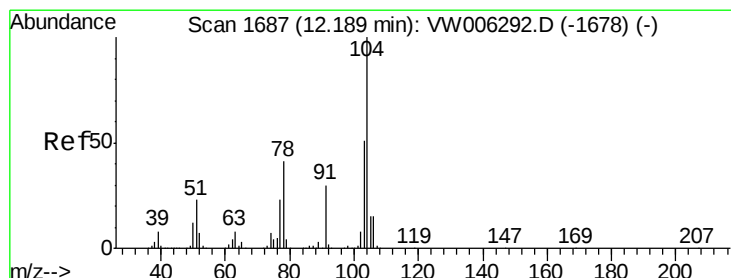
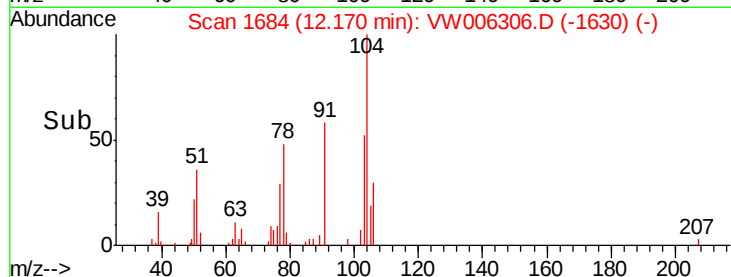
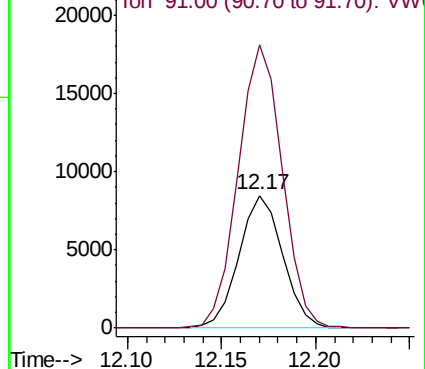
Ion Ratio Lower Upper

106 100

91 213.8 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 1.806 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW006306.D

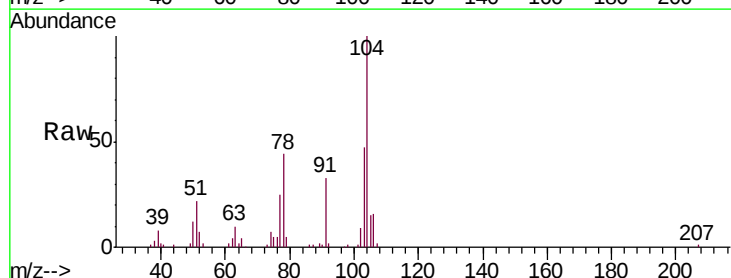
Acq: 23 Oct 2018 20:16

Tgt Ion:104 Resp: 22952

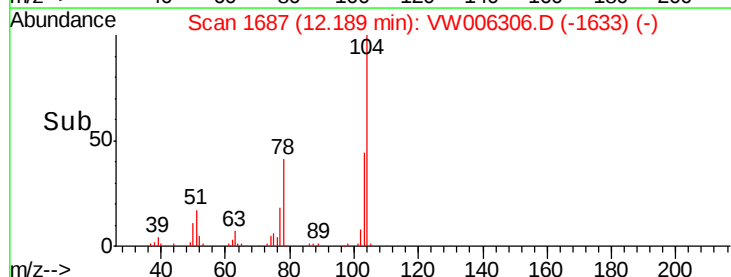
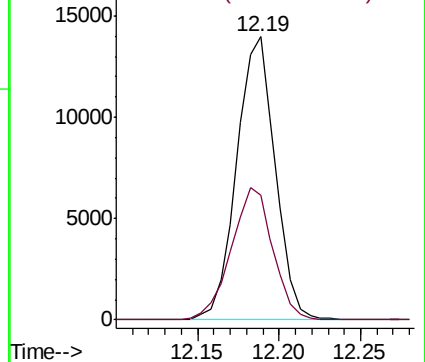
Ion Ratio Lower Upper

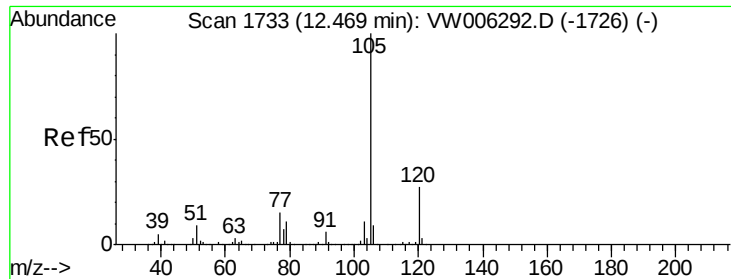
104 100

78 43.9 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 1.949 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

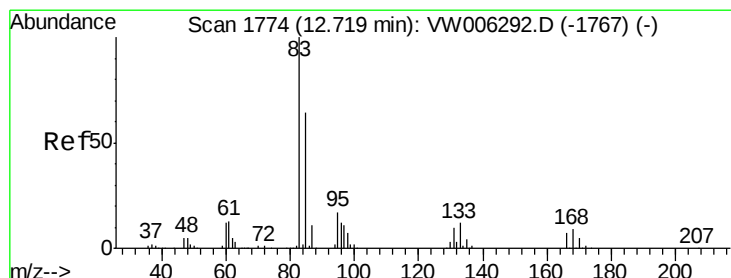
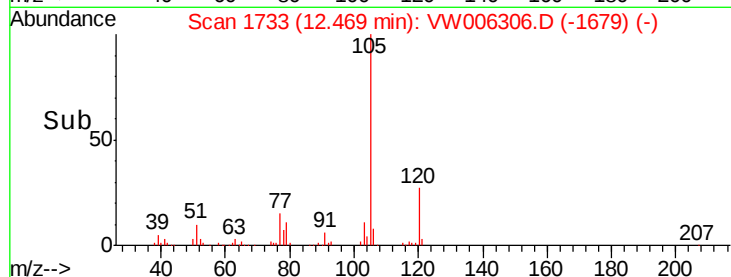
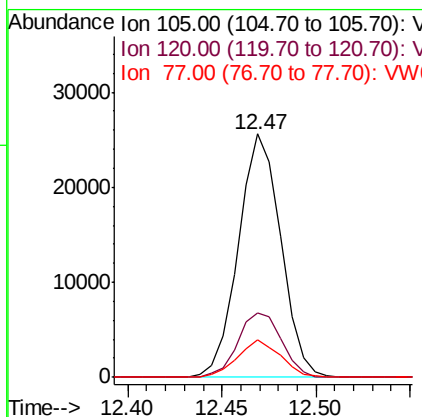
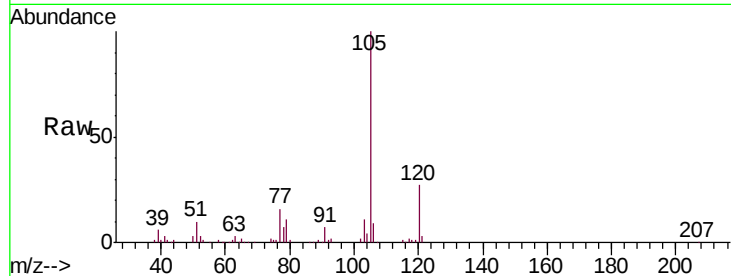
Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

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



#58

1,1,2,2-Tetrachloroethane

Concen: 2.316 ug/L

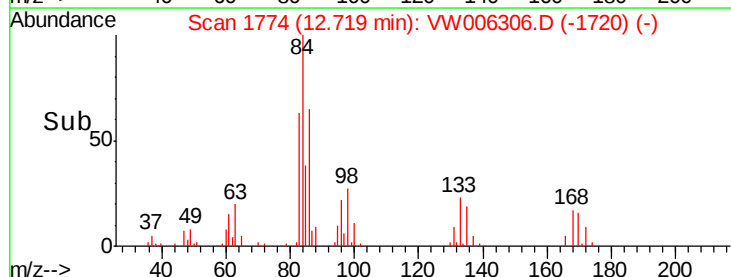
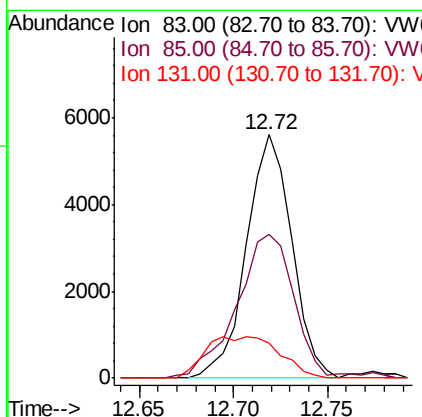
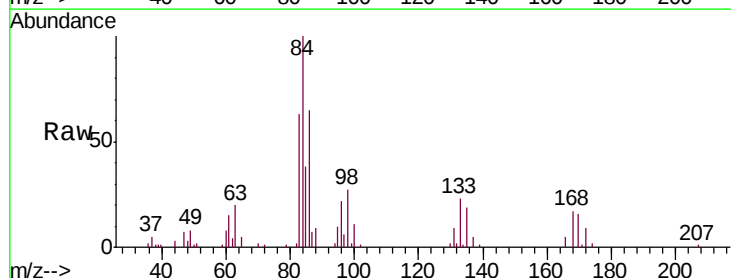
RT: 12.72 min Scan# 1774

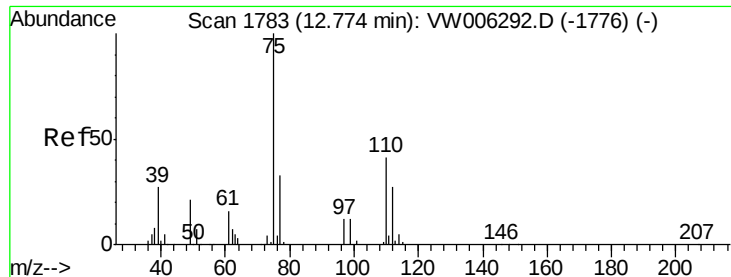
Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

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





#59

1,2,3-Trichloropropane

Concen: 2.254 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

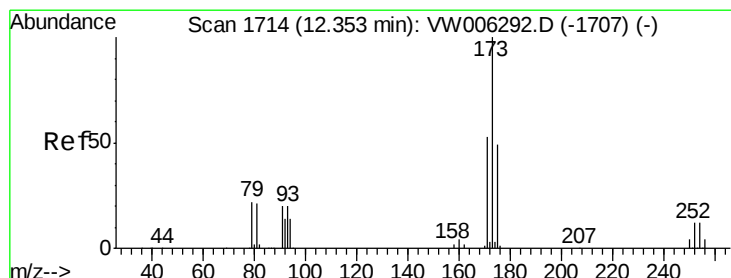
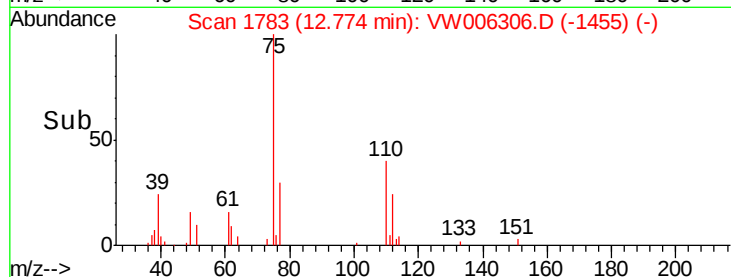
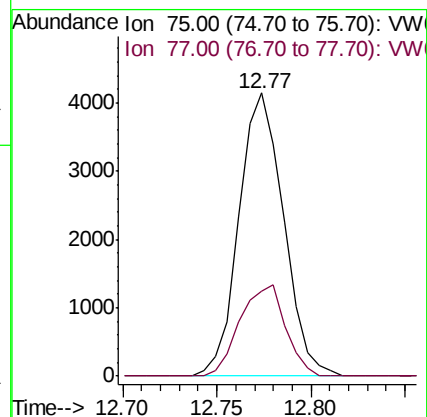
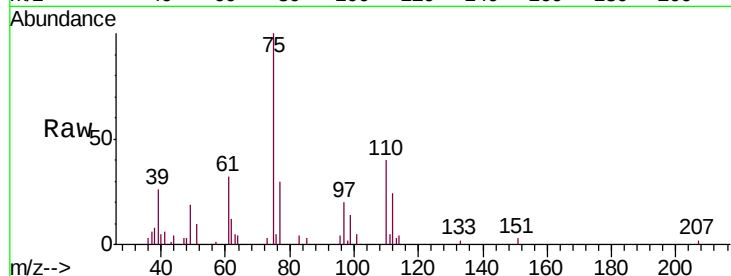
MDL 2 PPB

Tgt Ion: 75 Resp: 6809

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



#62

Bromoform

Concen: 1.666 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

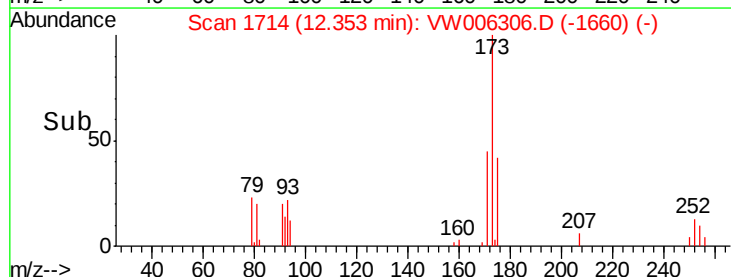
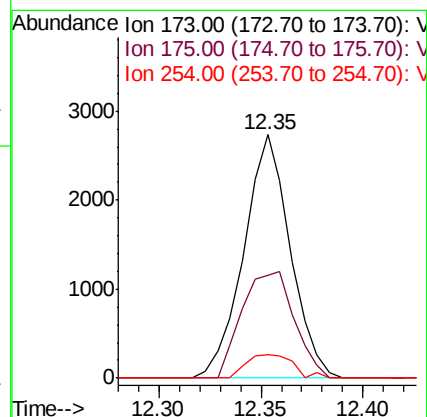
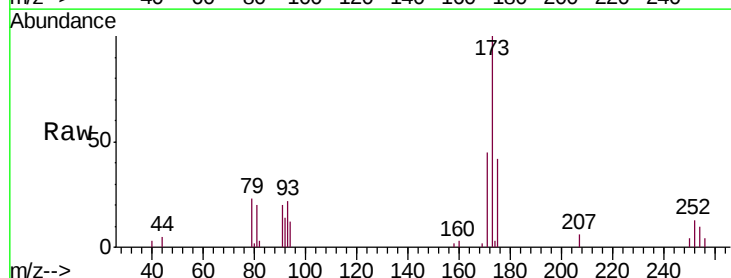
Tgt Ion: 173 Resp: 4322

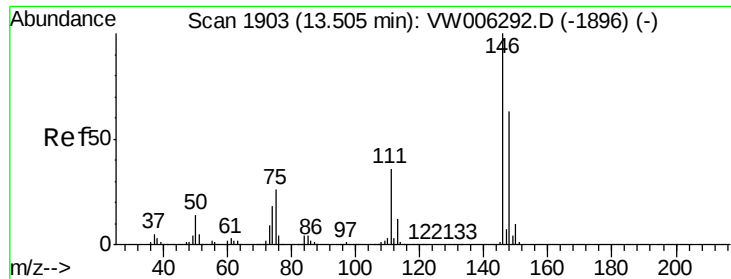
Ion Ratio Lower Upper

173 100

175 49.4 39.1 58.7

254 9.2 9.2 13.8

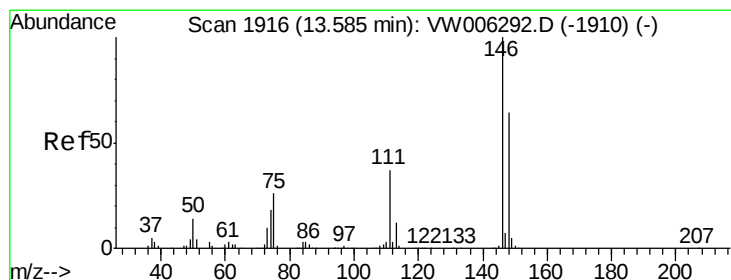
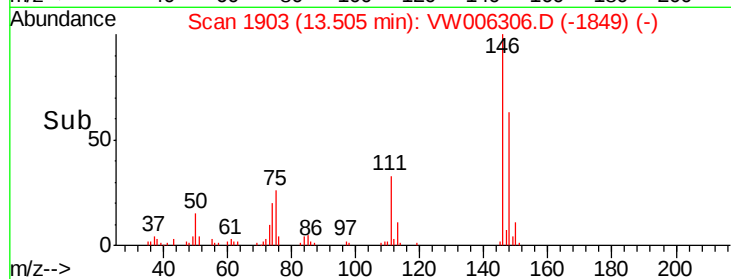
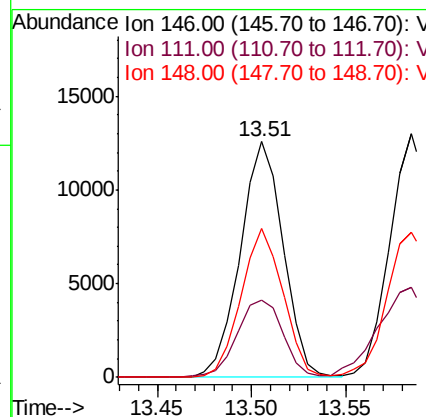
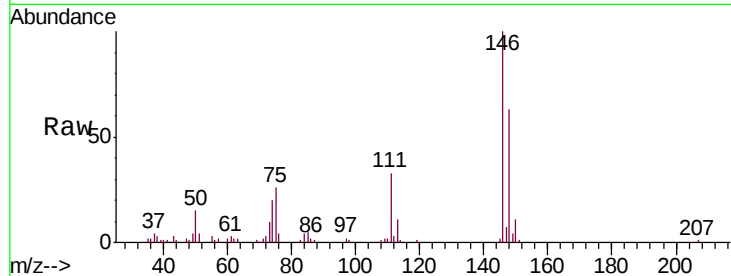




#63
 1,3-Dichlorobenzene
 Concen: 2.098 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

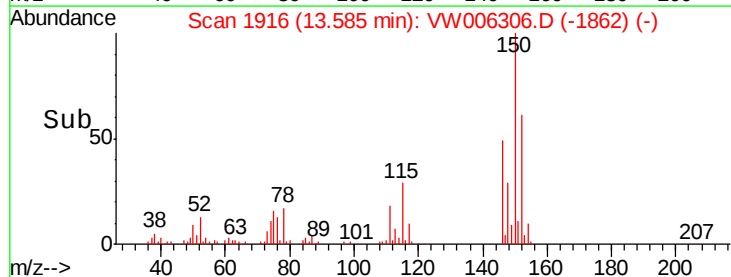
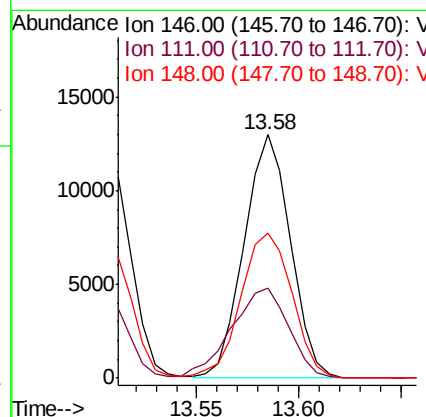
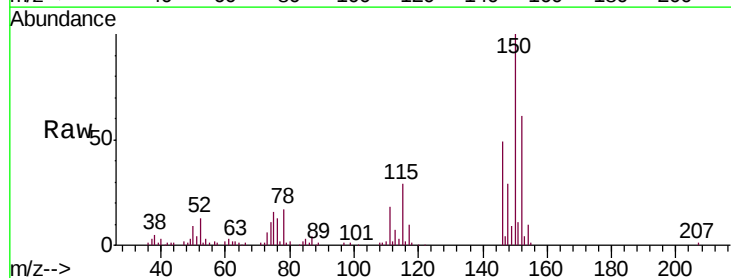
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

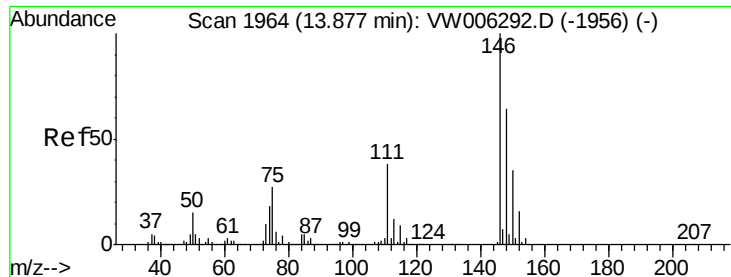
Tgt Ion:146 Resp: 19946
 Ion Ratio Lower Upper
 146 100
 111 32.6 26.3 48.9
 148 63.4 44.7 82.9



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

Tgt Ion:146 Resp: 20490
 Ion Ratio Lower Upper
 146 100
 111 36.7 24.7 45.9
 148 59.8 44.9 83.5

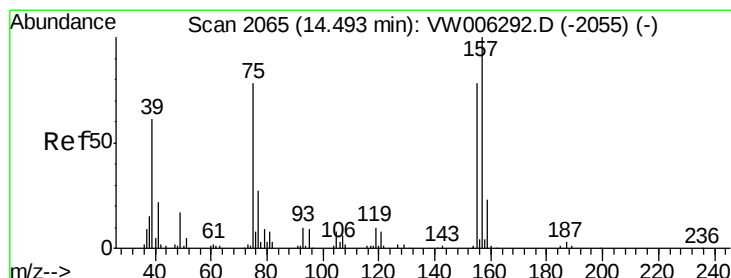
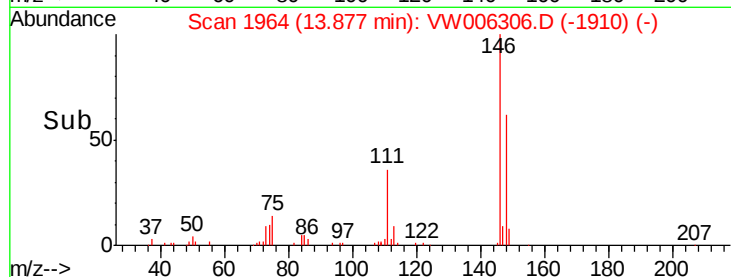
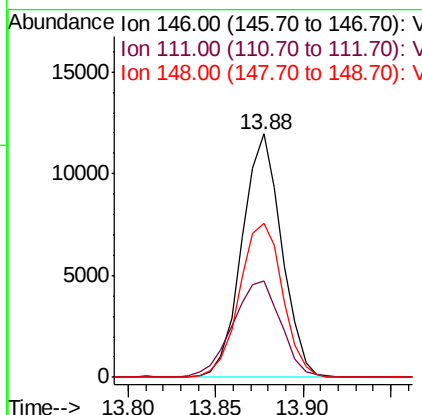
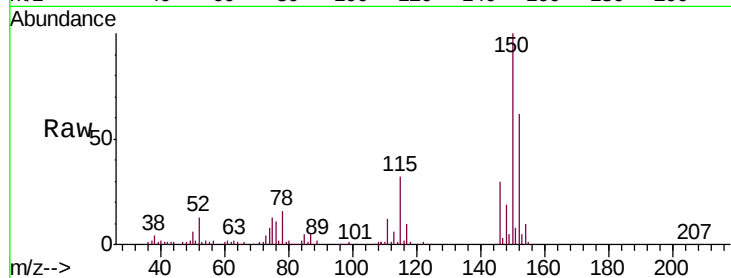




#65
 1,2-Dichlorobenzene
 Concen: 2.164 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

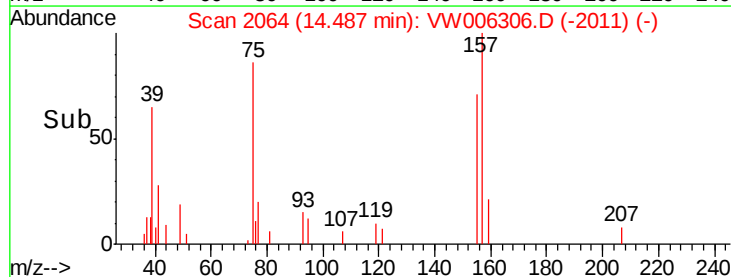
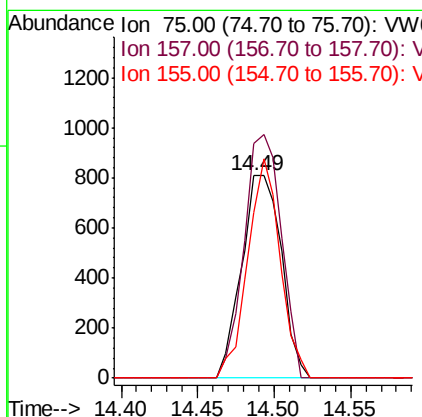
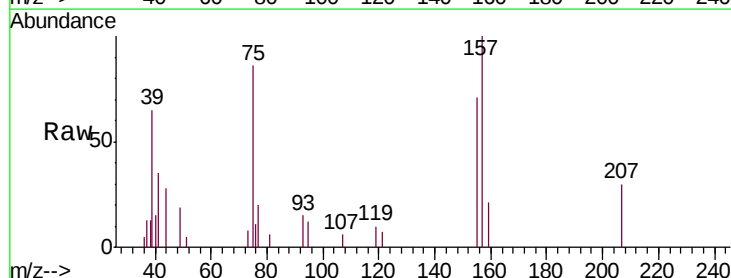
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

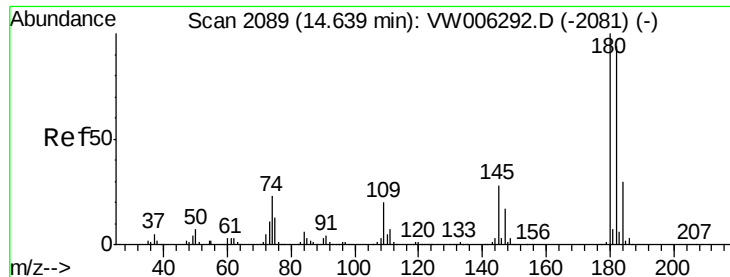
Tgt Ion:146 Resp: 18930
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.1 46.7
 148 63.3 51.2 76.8



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

Tgt Ion: 75 Resp: 1460
 Ion Ratio Lower Upper
 75 100
 157 115.7 106.8 160.2
 155 82.0 79.2 118.8

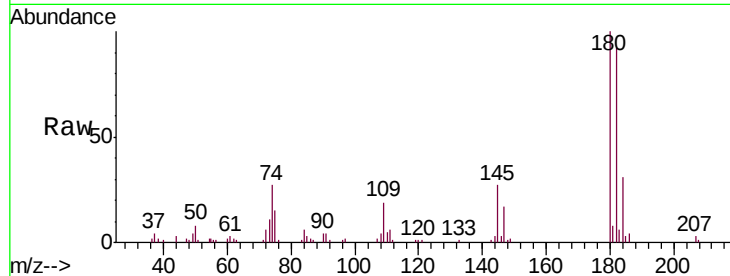




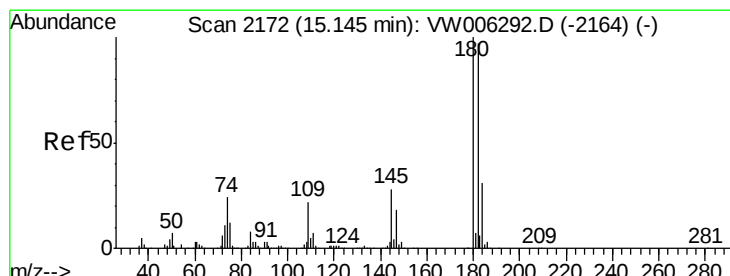
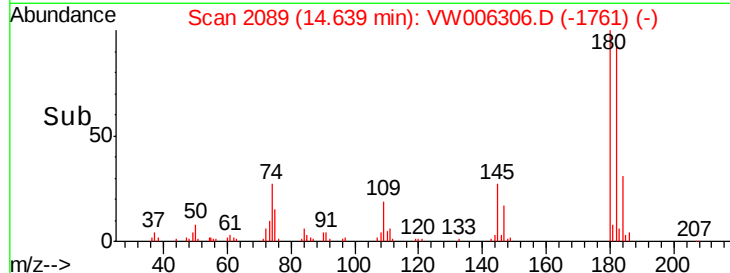
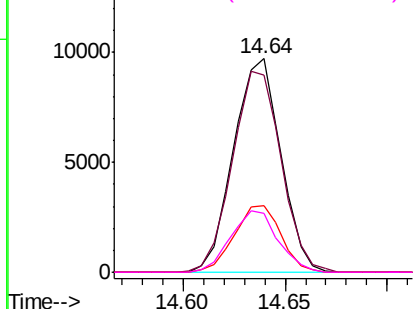
#67
 1,3,5-Trichlorobenzene
 Concen: 2.038 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

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

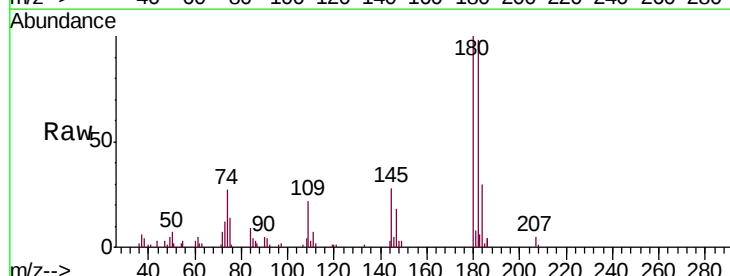


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

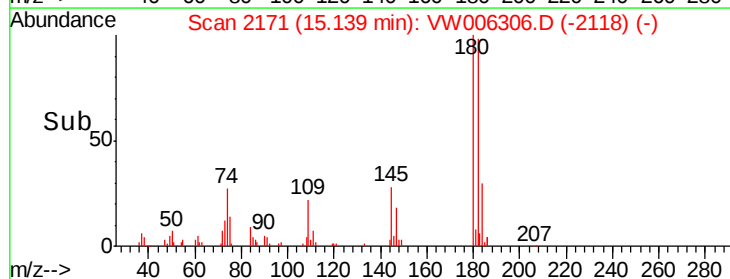
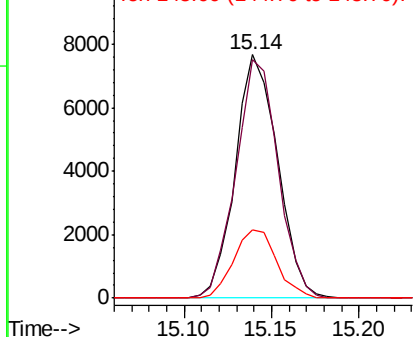


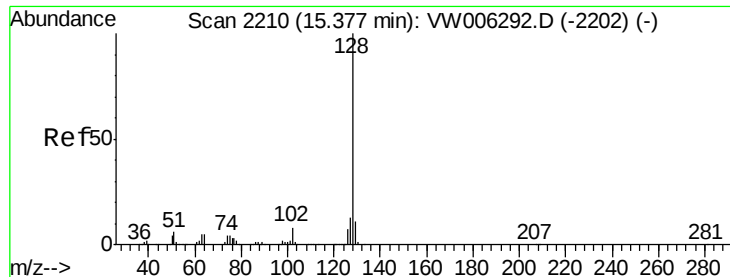
#68
 1,2,4-trichlorobenzene
 Concen: 1.979 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006306.D
 Acq: 23 Oct 2018 20:16

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



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





#69

Naphthalene

Concen: 1.870 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

Instrument :

MSVOA_W

ClientSampleId :

MDL 2 PPB

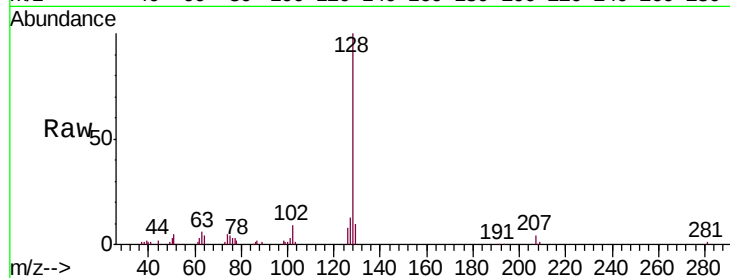
Tgt Ion:128 Resp: 24741

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

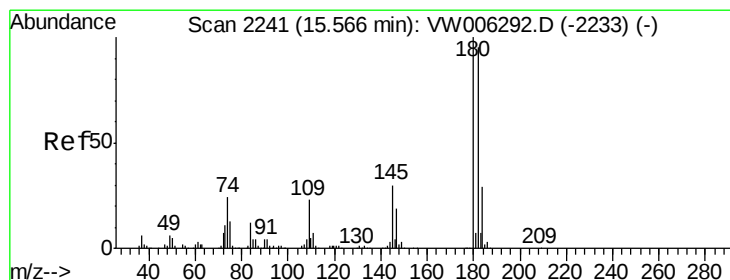
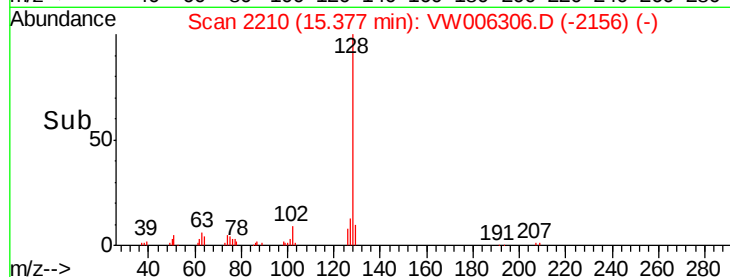
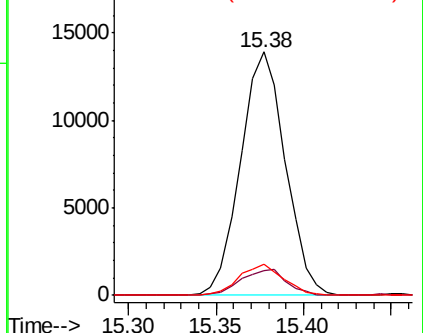
127 12.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.036 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006306.D

Acq: 23 Oct 2018 20:16

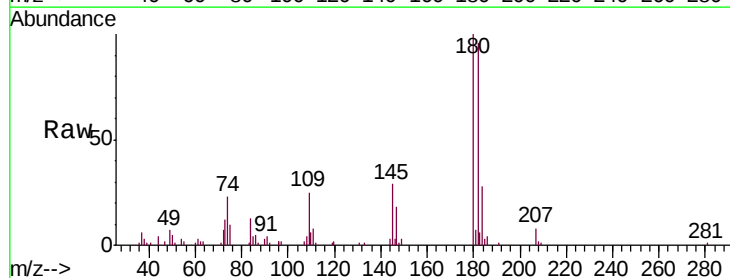
Tgt Ion:180 Resp: 11952

Ion Ratio Lower Upper

180 100

182 96.1 75.5 113.3

145 30.3 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

