

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062618\
 Data File : VW003576.D
 Acq On : 26 Jun 2018 16:35
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Quant Time: Jun 27 01:38:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 27 01:37:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312581	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	295909	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	156190	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	84324	19.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.56%
7) Chloroethane-d5	2.89	69	76311	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
10) 1,1-Dichloroethene-d2	4.01	63	192725	22.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.60%
20) 2-Butanone-d5	7.09	46	75064	56.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.38%
24) Chloroform-d	7.65	84	207481	25.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.92%
26) 1,2-Dichloroethane-d4	8.31	65	123409	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	8.28	84	370415	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
33) 1,2-Dichloropropane-d6	9.27	67	120865	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.28%
37) Toluene-d8	10.33	98	350557	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
38) trans-1,3-Dichloropropene-	10.58	79	53886	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	10.93	63	59136	58.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	126103	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	142365	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	94914	25.734	ug/L 95
5) Vinyl chloride	2.36	62	137792	25.814	ug/L 98
6) Bromomethane	2.78	94	77021	24.799	ug/L 100
8) Chloroethane	2.92	64	82712	25.431	ug/L 96
9) Trichlorofluoromethane	3.25	101	85680	27.985	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	112274	27.160	ug/L 99
12) 1,1-Dichloroethene	4.03	96	104218	26.673	ug/L 97
13) Acetone	4.15	43	69940	49.119	ug/L 98
14) Carbon disulfide	4.37	76	318186	25.241	ug/L 98
15) Methyl Acetate	4.68	43	61154	26.203	ug/L 99
16) Methylene chloride	4.91	84	120291	27.929	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	204999	28.436	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	108164	26.568	ug/L 94
19) 1,1-Dichloroethane	6.21	63	210047	27.646	ug/L 97
21) 2-Butanone	7.18	43	87407	52.239	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	120029	27.742	ug/L 95
23) Bromochloromethane	7.51	128	54368	27.163	ug/L 96

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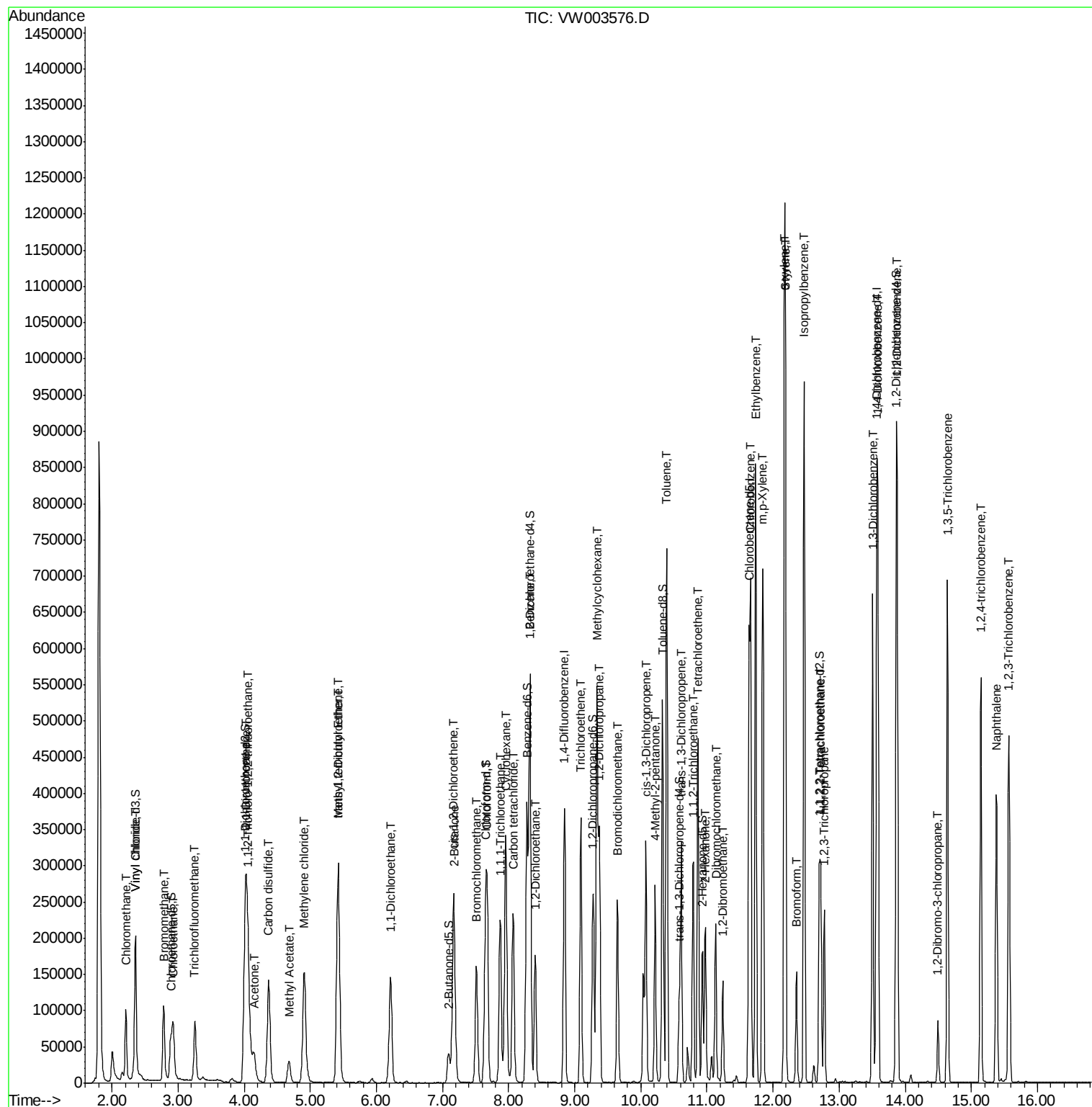
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	218105	27.923	ug/L	100
27) 1,2-Dichloroethane	8.40	62	161144	28.489	ug/L	99
30) Cyclohexane	7.96	56	189077	27.676	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	178349	27.434	ug/L	99
32) Carbon tetrachloride	8.07	117	170329	27.119	ug/L	100
34) Benzene	8.32	78	467313	27.694	ug/L	100
35) Trichloroethene	9.09	95	123147	27.077	ug/L	99
36) Methylcyclohexane	9.34	83	213636	27.516	ug/L	100
40) 1,2-Dichloropropane	9.37	63	124438	28.023	ug/L	100
41) Bromodichloromethane	9.65	83	160736	28.162	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	186162	28.091	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	178988	56.421	ug/L	99
44) Toluene	10.39	91	512777	28.020	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	170230	28.387	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	93254	28.131	ug/L	98
47) Tetrachloroethene	10.87	164	101970	26.681	ug/L	98
49) 2-Hexanone	10.98	43	136871	57.897	ug/L	98
50) Dibromochloromethane	11.13	129	112218	27.807	ug/L	98
51) 1,2-Dibromoethane	11.24	107	90718	27.539	ug/L	97
52) Chlorobenzene	11.66	112	326689	27.491	ug/L	99
53) Ethylbenzene	11.74	91	583177	28.411	ug/L	100
54) m,p-Xylene	11.85	106	221876	29.104	ug/L	96
55) o-xylene	12.17	106	211530	29.170	ug/L	99
56) Styrene	12.19	104	369937	29.548	ug/L	100
57) Isopropylbenzene	12.47	105	586954	29.173	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	124262	28.435	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	94507	28.218	ug/L	99
62) Bromoform	12.35	173	70007	26.632	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	256884	26.749	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	274434	27.256	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	254340	27.740	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	21067	26.181	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	206470	27.668	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	169141	27.842	ug/L	99
69) Naphthalene	15.38	128	329646	29.000	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	160563	28.837	ug/L	98

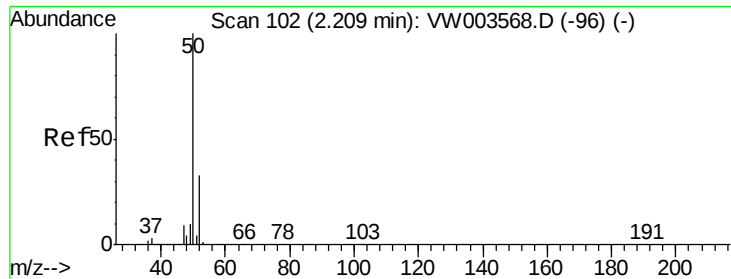
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#3

Chloromethane

Concen: 25.734 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

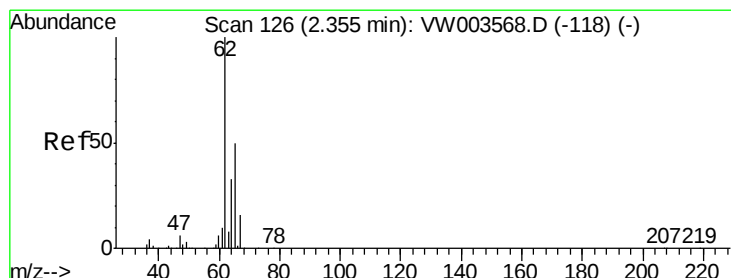
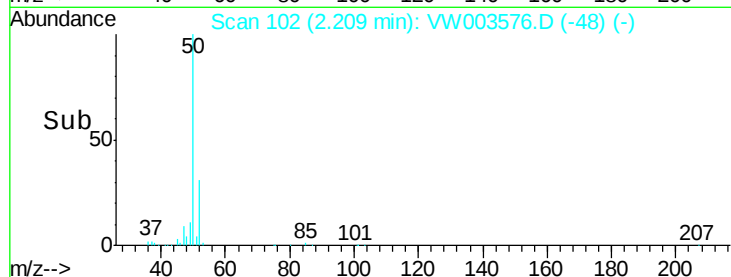
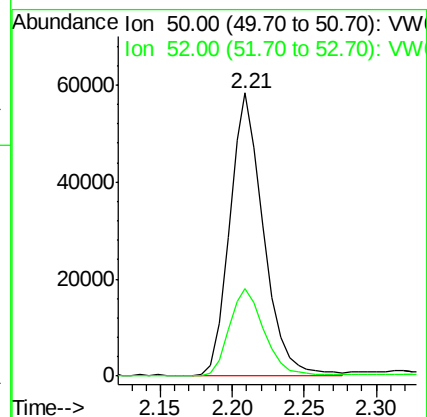
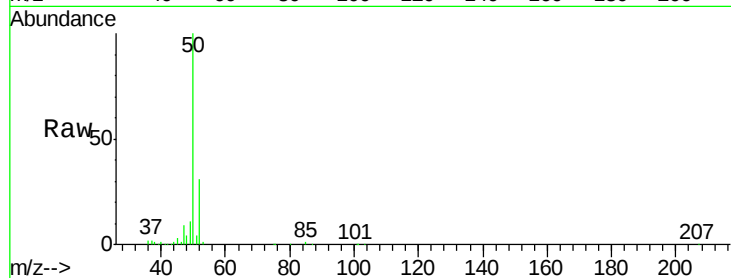
VSTD02583

Tgt Ion: 50 Resp: 94914

Ion Ratio Lower Upper

50 100

52 30.7 23.3 43.3



#5

Vinyl chloride

Concen: 25.814 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003576.D

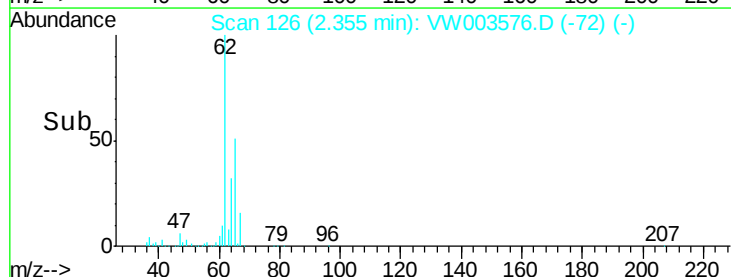
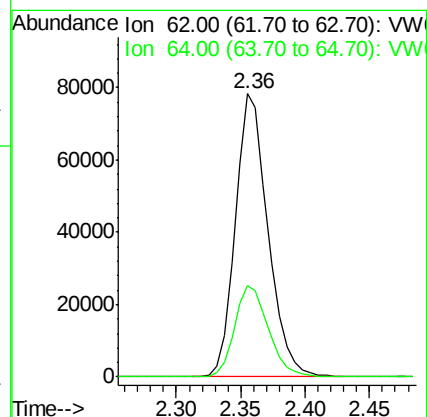
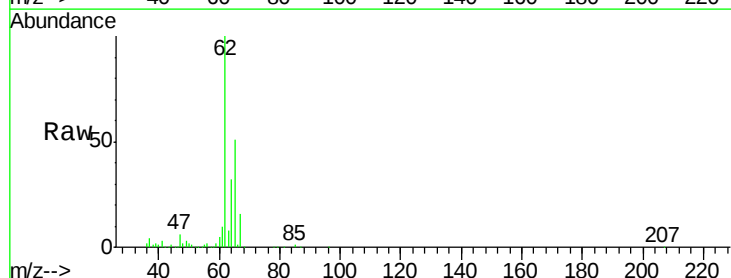
Acq: 26 Jun 2018 16:35

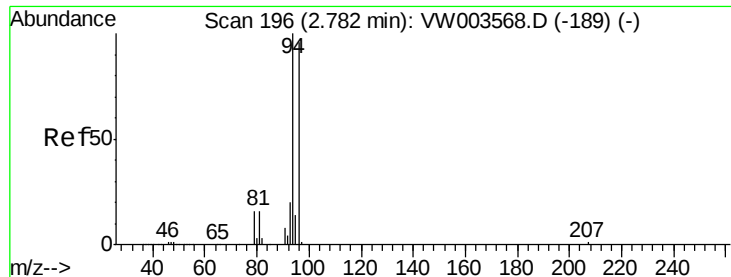
Tgt Ion: 62 Resp: 137792

Ion Ratio Lower Upper

62 100

64 32.2 23.5 43.7





#6

Bromomethane

Concen: 24.799 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

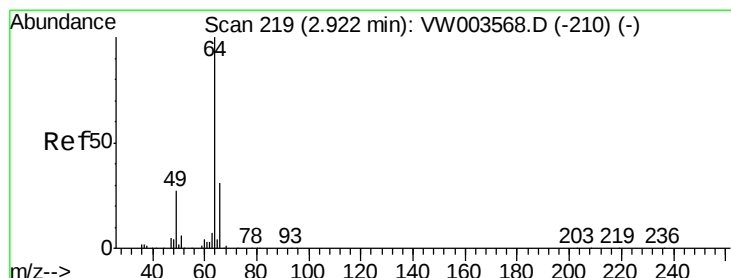
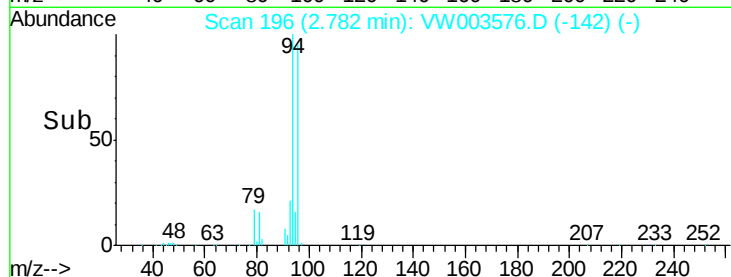
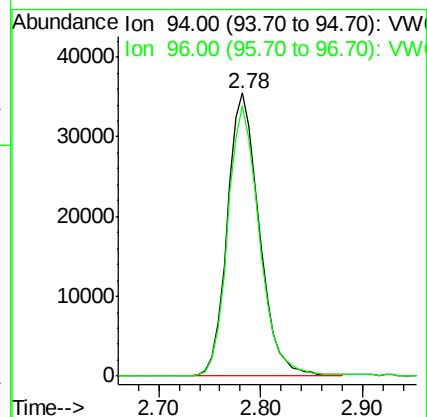
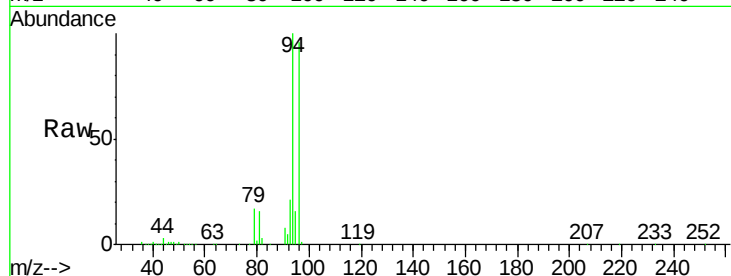
VSTD02583

Tgt Ion: 94 Resp: 77021

Ion Ratio Lower Upper

94 100

96 95.1 9.5 180.3



#8

Chloroethane

Concen: 25.431 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003576.D

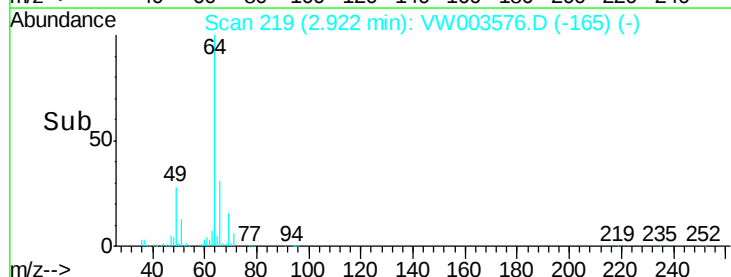
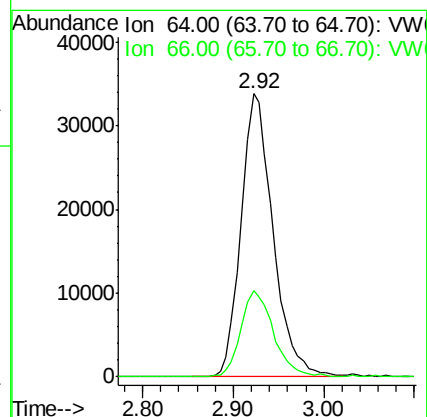
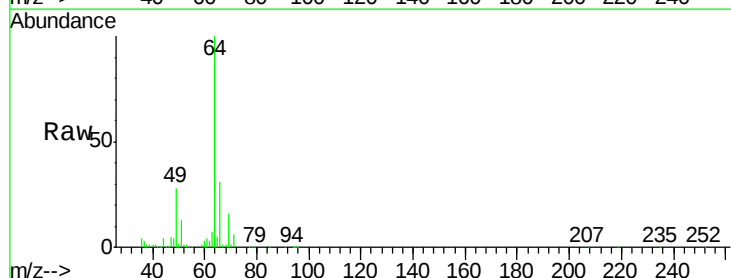
Acq: 26 Jun 2018 16:35

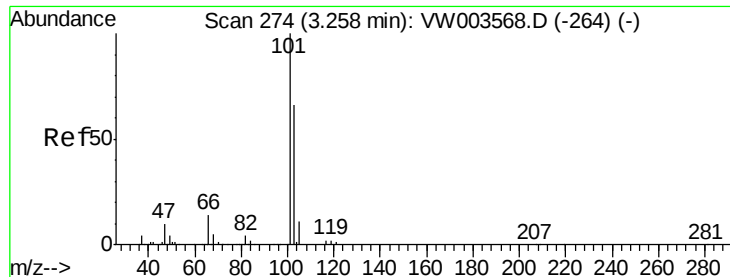
Tgt Ion: 64 Resp: 82712

Ion Ratio Lower Upper

64 100

66 30.5 22.9 42.5



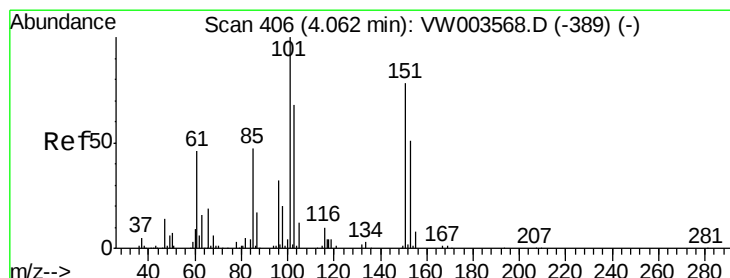
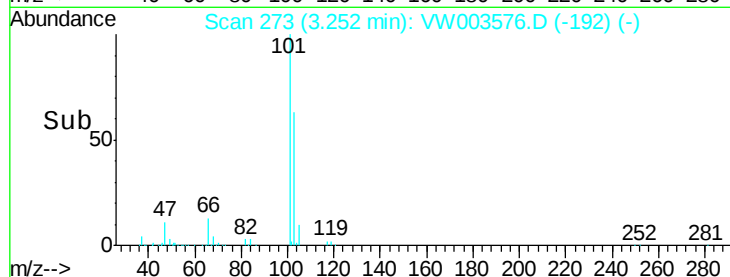
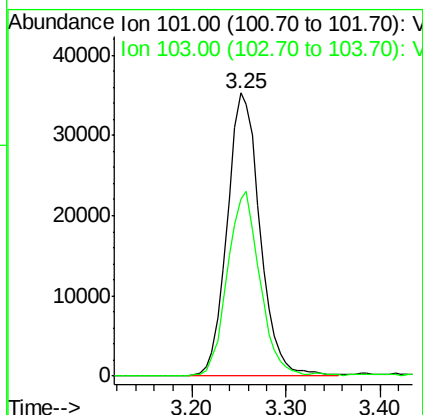
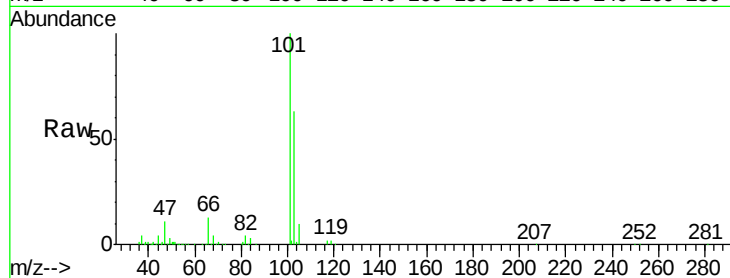


#9

Trichlorofluoromethane
Concen: 27.985 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

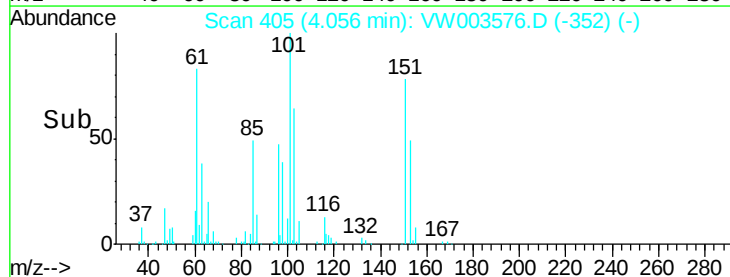
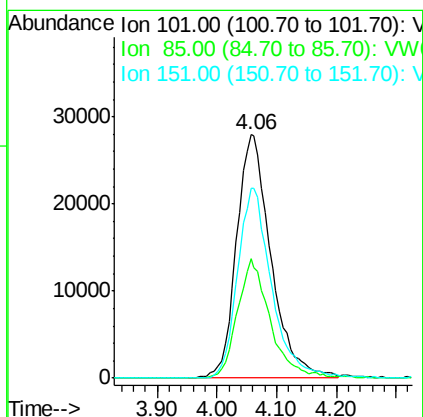
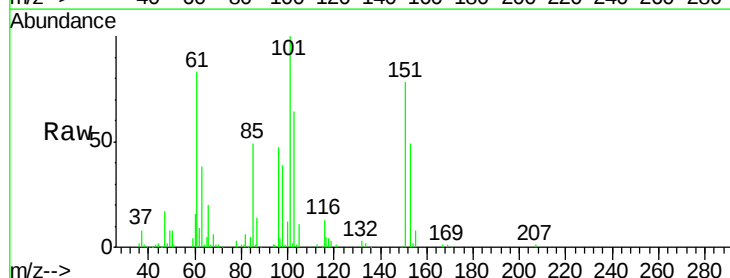
Tgt Ion:101 Resp: 85680
Ion Ratio Lower Upper
101 100
103 64.2 45.1 83.7

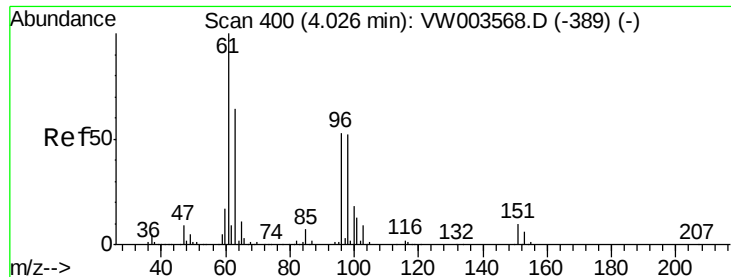


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 27.160 ug/L
RT: 4.06 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Tgt Ion:101 Resp: 112274
Ion Ratio Lower Upper
101 100
85 45.4 35.4 53.0
151 75.9 61.4 92.0

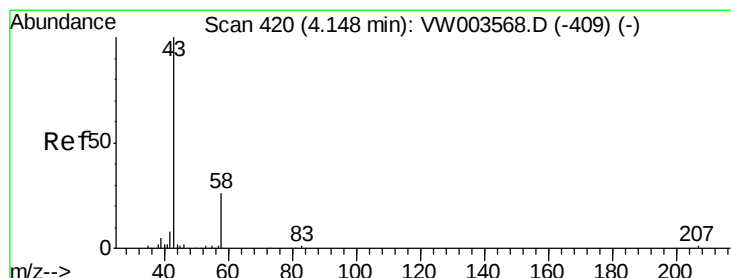
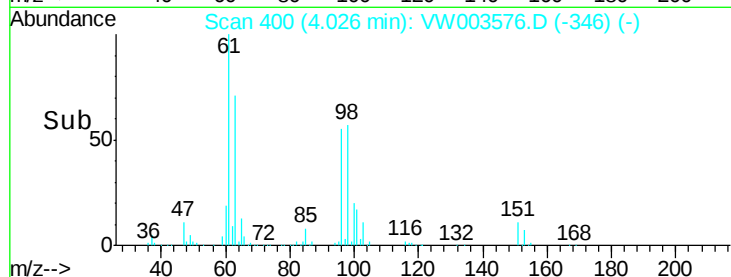
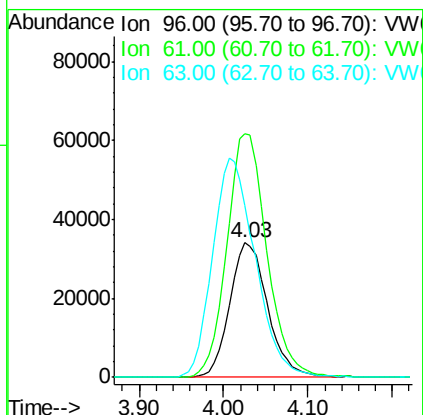
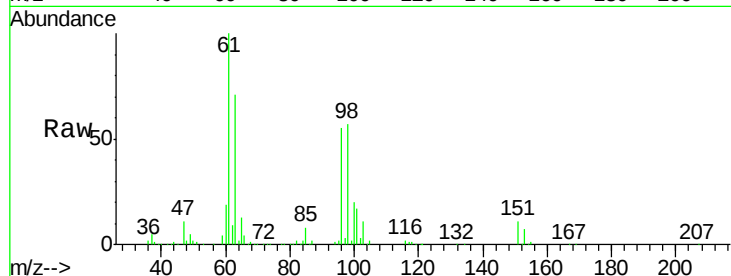




#12
 1,1-Dichloroethene
 Concen: 26.673 ug/L
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

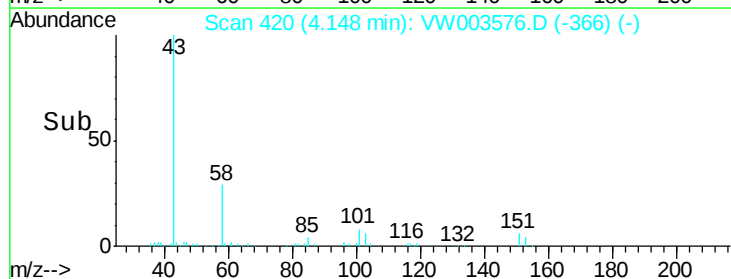
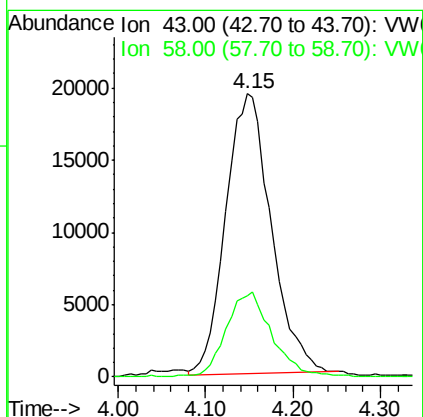
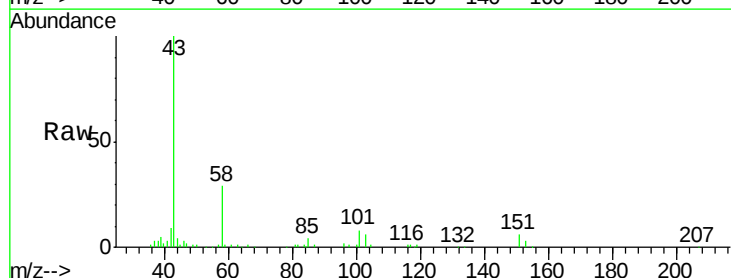
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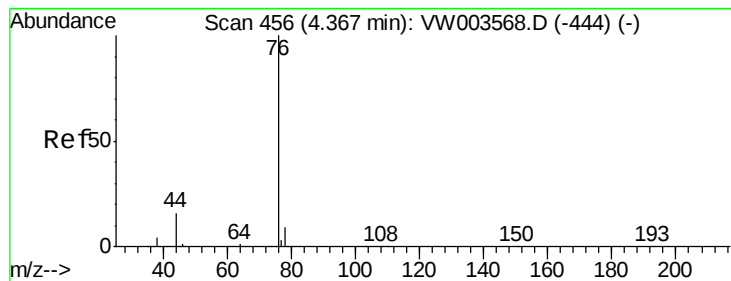
Tgt Ion: 96 Resp: 104218
 Ion Ratio Lower Upper
 96 100
 61 181.3 124.1 230.5
 63 127.9 93.1 172.9



#13
 Acetone
 Concen: 49.119 ug/L
 RT: 4.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

Tgt Ion: 43 Resp: 69940
 Ion Ratio Lower Upper
 43 100
 58 30.3 0.0 58.6





#14

Carbon disulfide

Concen: 25.241 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

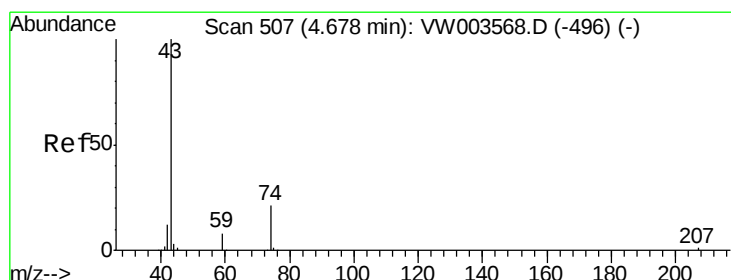
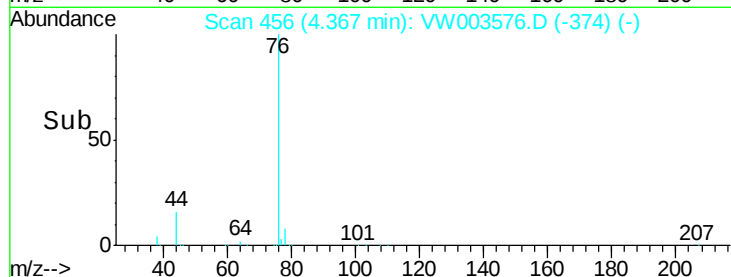
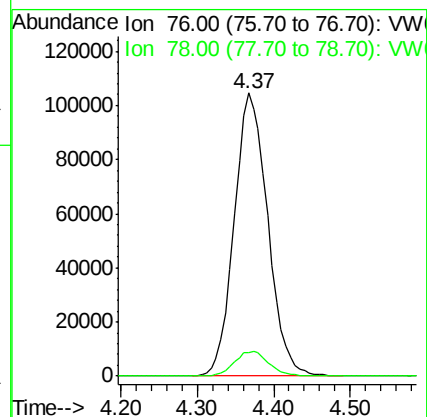
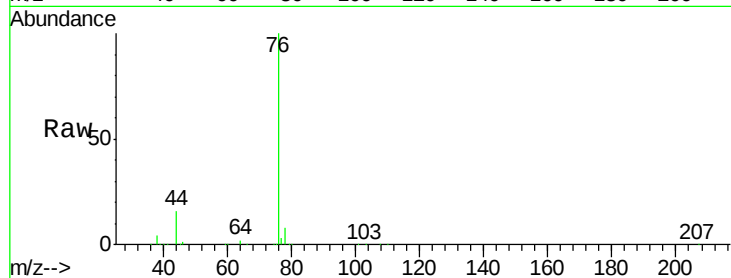
VSTD02583

Tgt Ion: 76 Resp: 318186

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



#15

Methyl Acetate

Concen: 26.203 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW003576.D

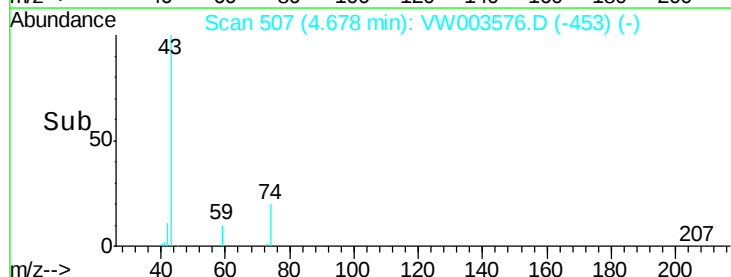
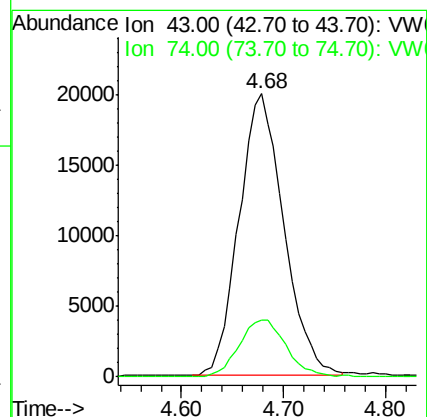
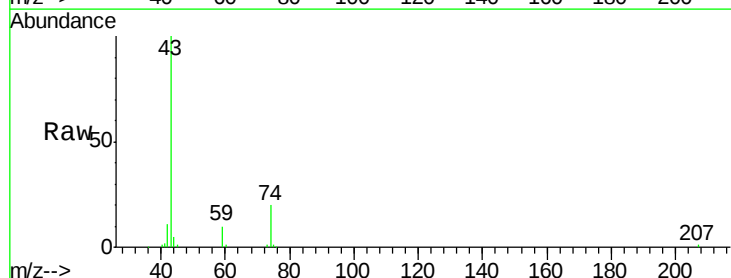
Acq: 26 Jun 2018 16:35

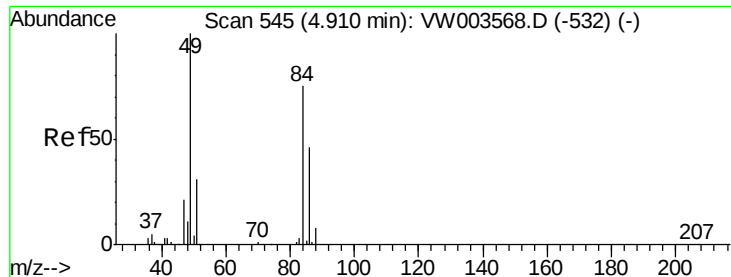
Tgt Ion: 43 Resp: 61154

Ion Ratio Lower Upper

43 100

74 21.2 17.5 26.3

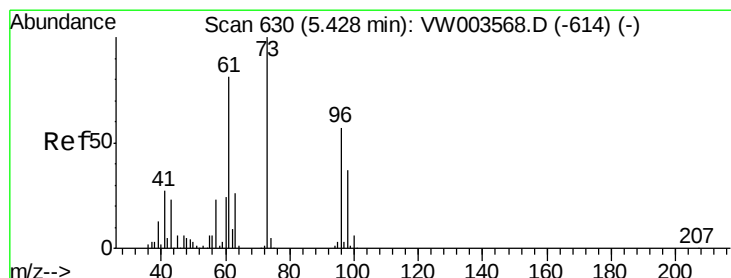
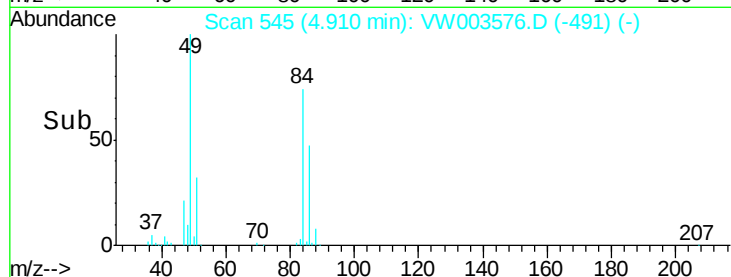
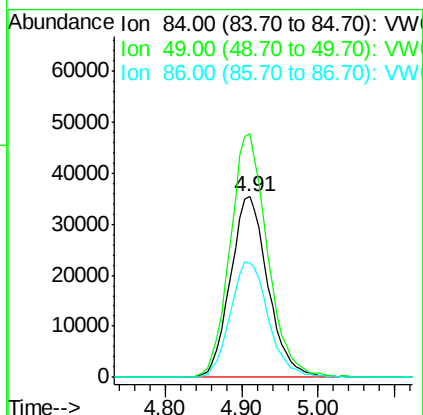
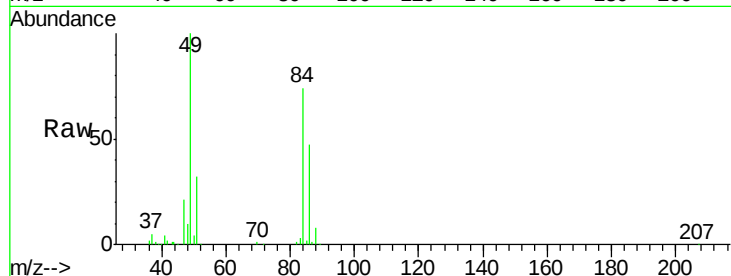




#16
Methylene chloride
Concen: 27.929 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

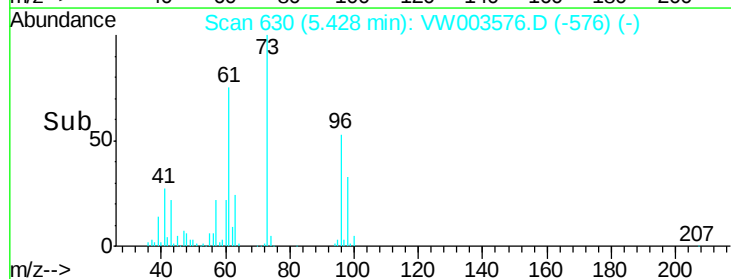
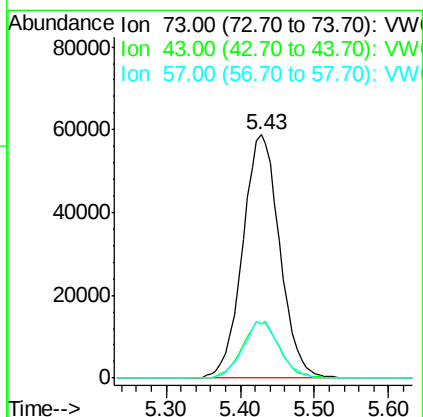
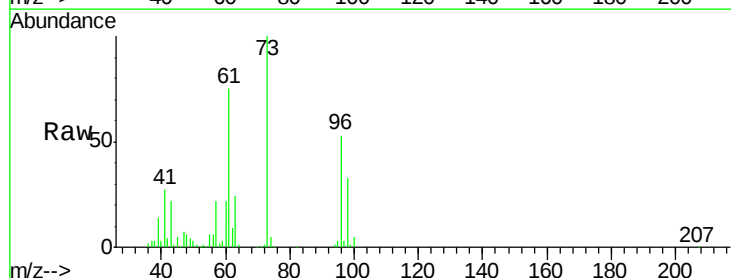
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

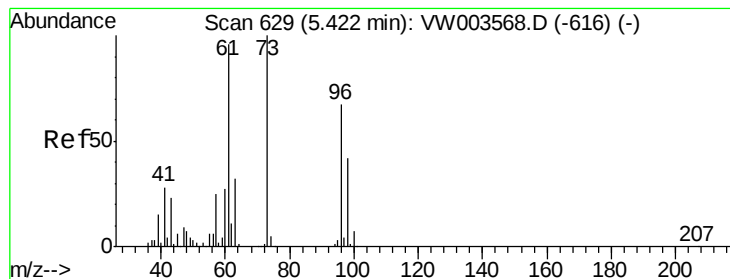
Tgt Ion: 84 Resp: 120291
Ion Ratio Lower Upper
84 100
49 134.9 88.7 164.7
86 63.1 44.2 82.0



#17
Methyl tert-butyl Ether
Concen: 28.436 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Tgt Ion: 73 Resp: 204999
Ion Ratio Lower Upper
73 100
43 23.1 18.6 27.8
57 22.9 18.1 27.1





#18

trans-1,2-Dichloroethene

Concen: 26.568 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

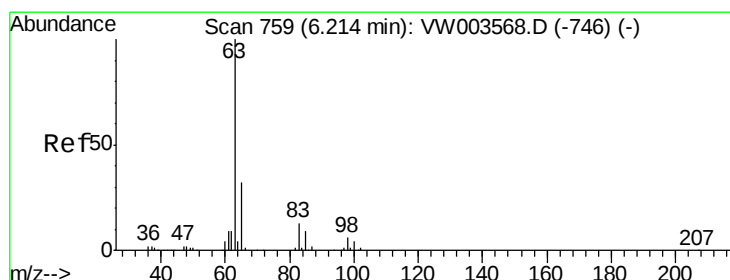
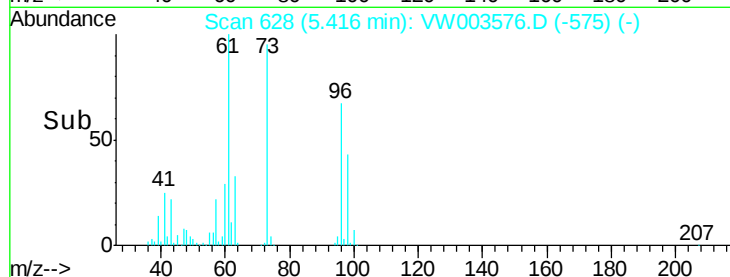
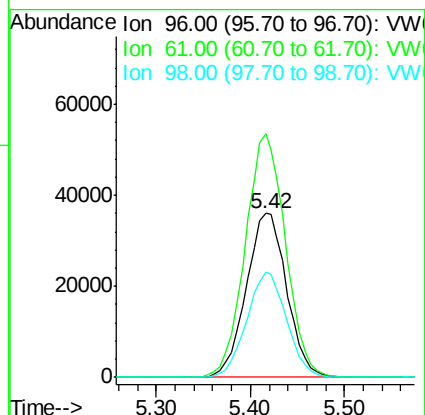
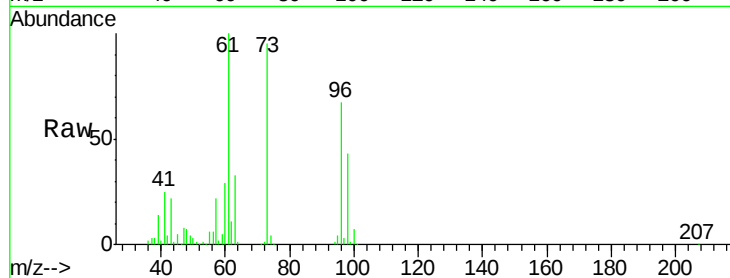
Tgt Ion: 96 Resp: 108164

Ion Ratio Lower Upper

96 100

61 148.8 98.0 182.0

98 64.7 44.2 82.2



#19

1,1-Dichloroethane

Concen: 27.646 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

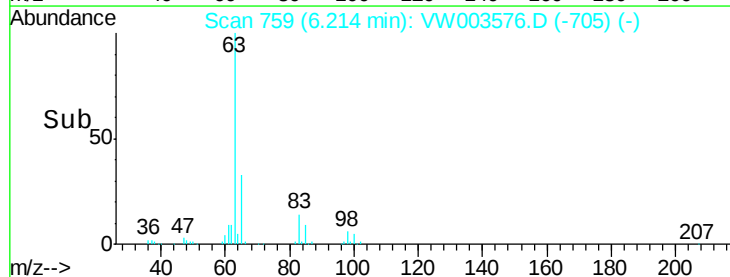
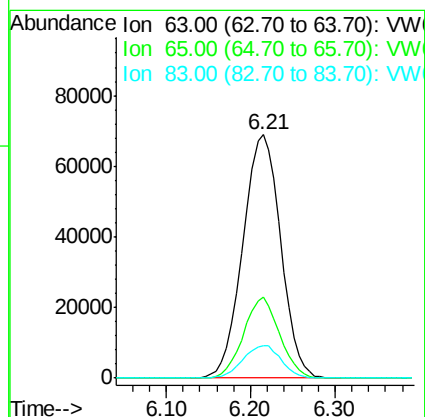
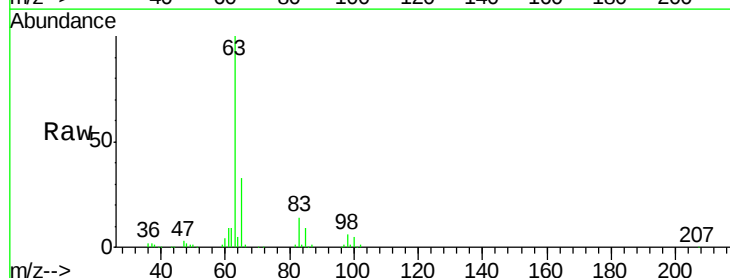
Tgt Ion: 63 Resp: 210047

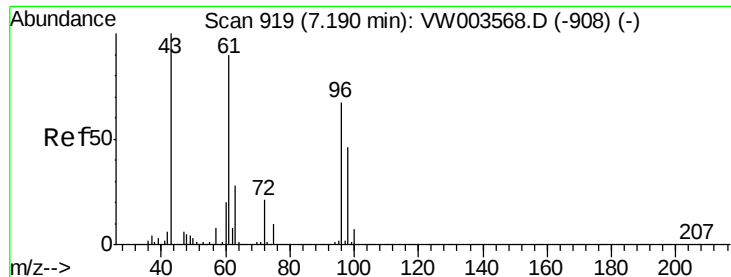
Ion Ratio Lower Upper

63 100

65 33.1 21.8 40.4

83 13.5 9.0 16.6





#21

2-Butanone

Concen: 52.239 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

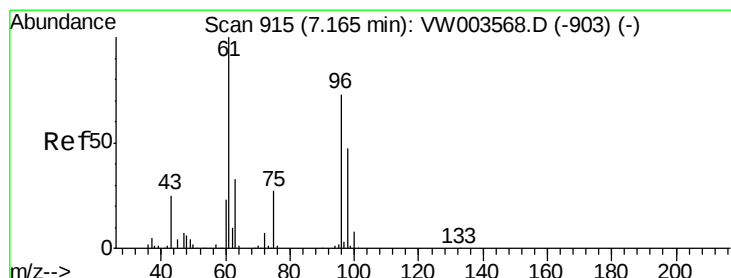
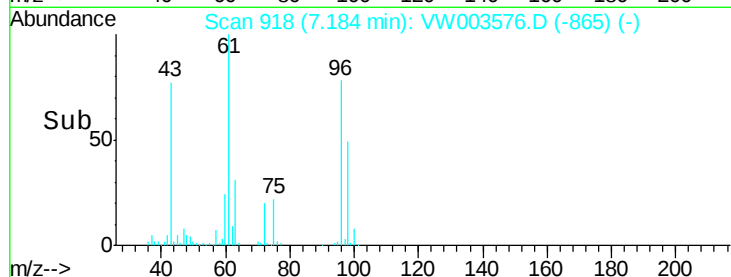
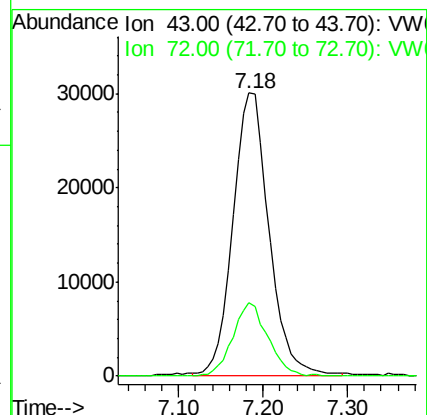
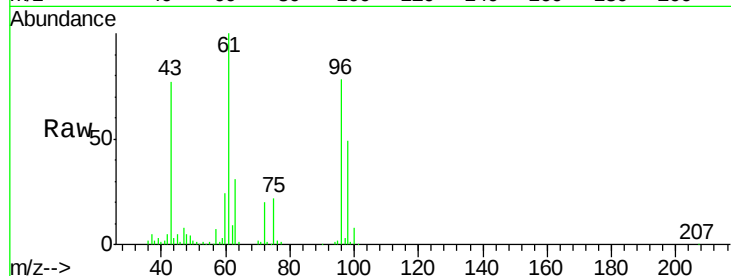
VSTD02583

Tgt Ion: 43 Resp: 87407

Ion Ratio Lower Upper

43 100

72 25.1 12.5 37.5



#22

cis-1,2-Dichloroethene

Concen: 27.742 ug/L

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

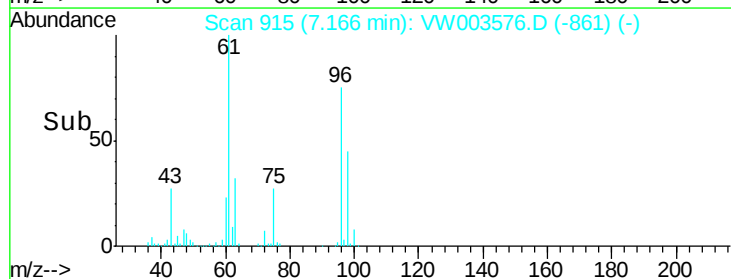
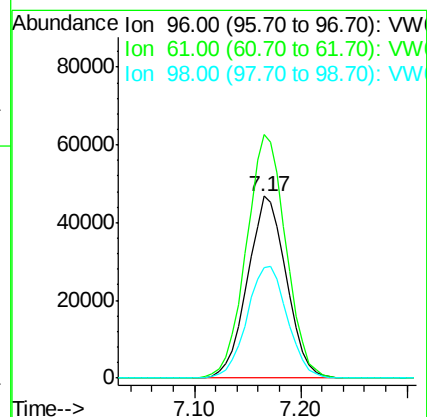
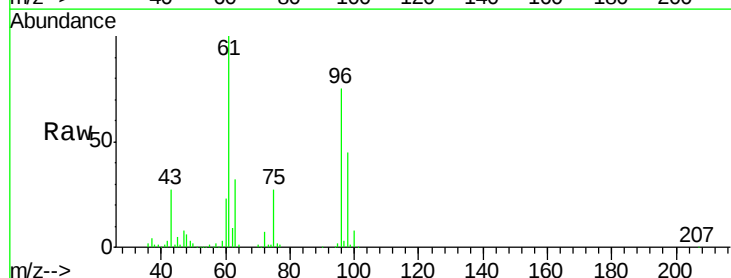
Tgt Ion: 96 Resp: 120029

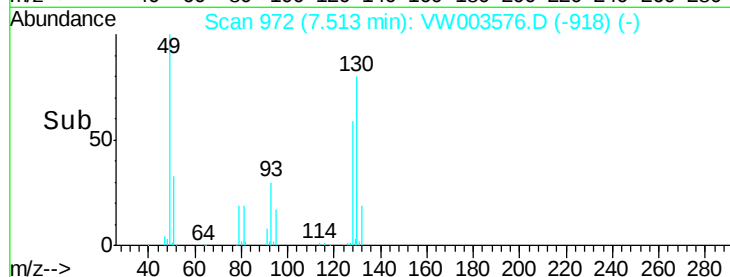
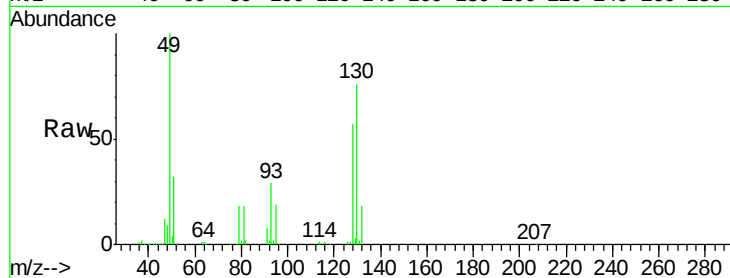
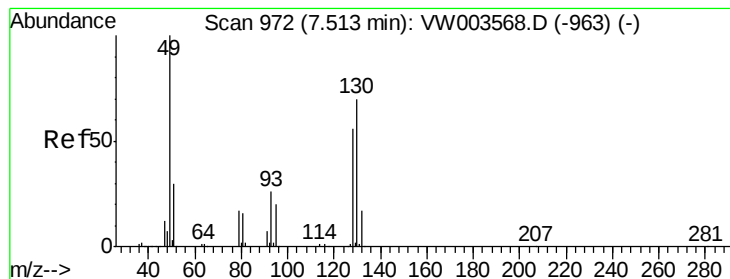
Ion Ratio Lower Upper

96 100

61 134.0 97.7 181.5

98 60.6 45.0 83.6





#23

Bromochloromethane

Concen: 27.163 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion:128 Resp: 54368

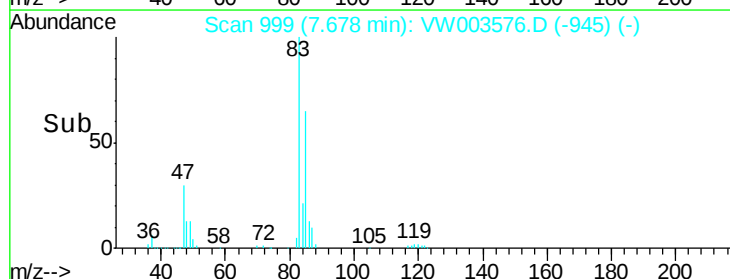
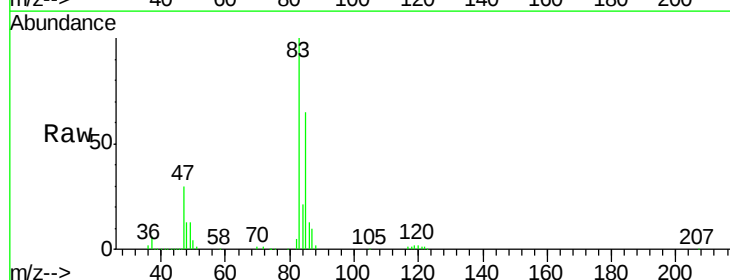
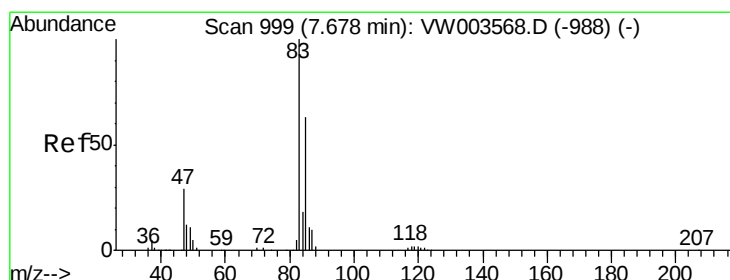
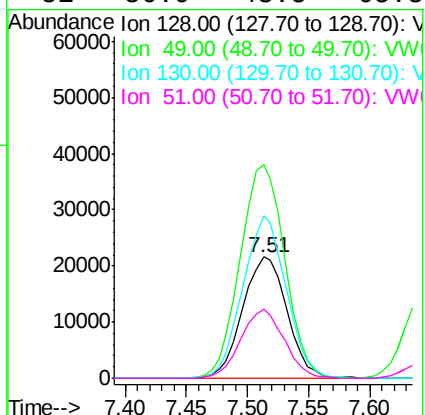
Ion Ratio Lower Upper

128 100

49 176.1 122.0 226.6

130 134.3 88.1 163.5

51 56.9 43.5 65.3



#25

Chloroform

Concen: 27.923 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003576.D

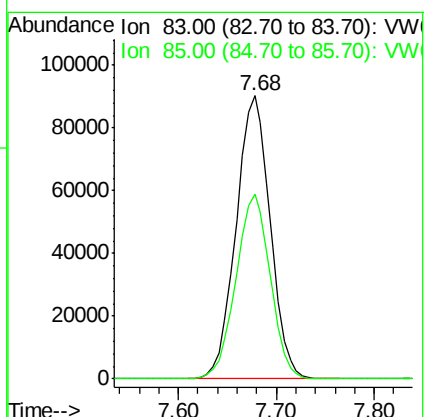
Acq: 26 Jun 2018 16:35

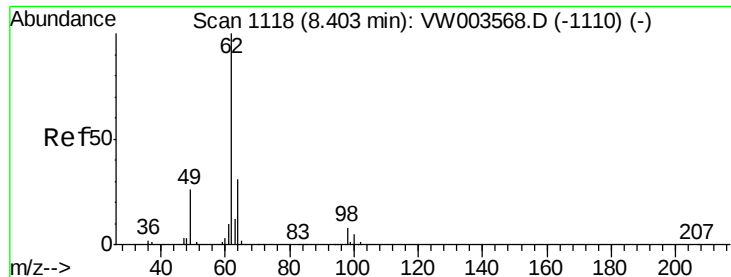
Tgt Ion: 83 Resp: 218105

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5





#27

1,2-Dichloroethane

Concen: 28.489 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

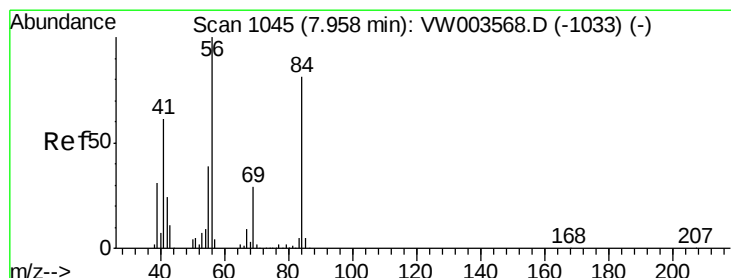
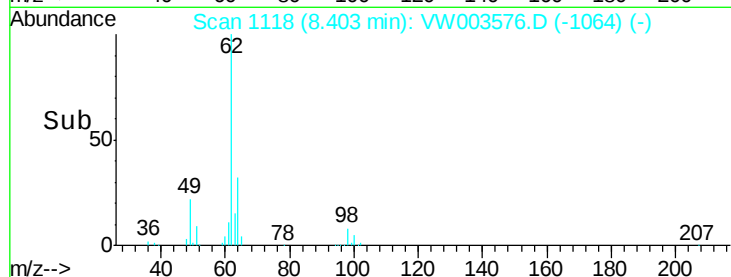
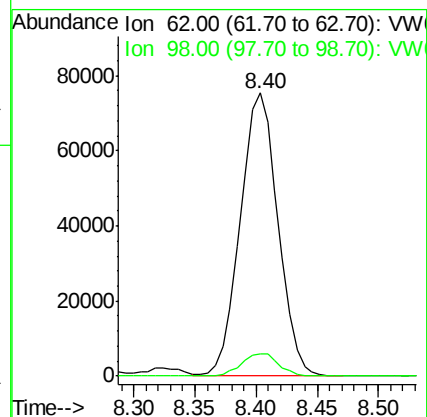
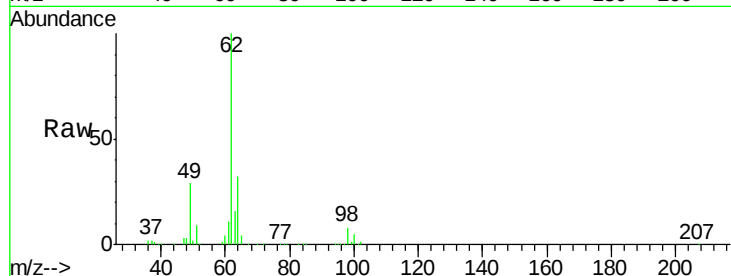
VSTD02583

Tgt Ion: 62 Resp: 161144

Ion Ratio Lower Upper

62 100

98 7.7 6.5 9.7



#30

Cyclohexane

Concen: 27.676 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

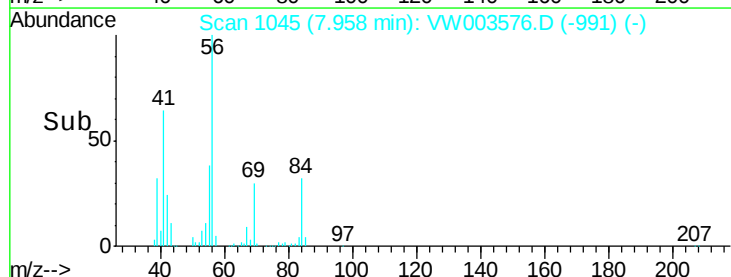
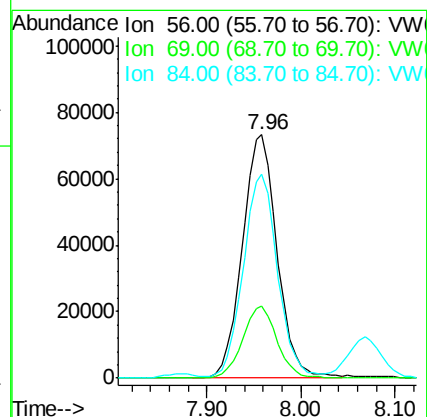
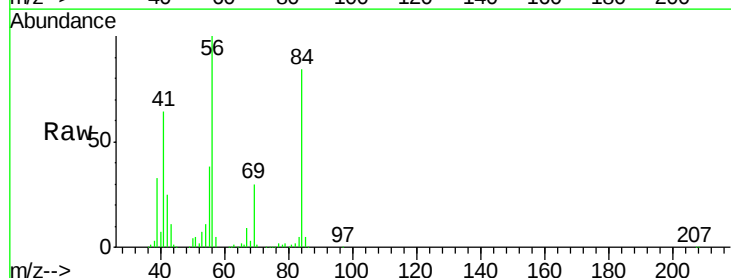
Tgt Ion: 56 Resp: 189077

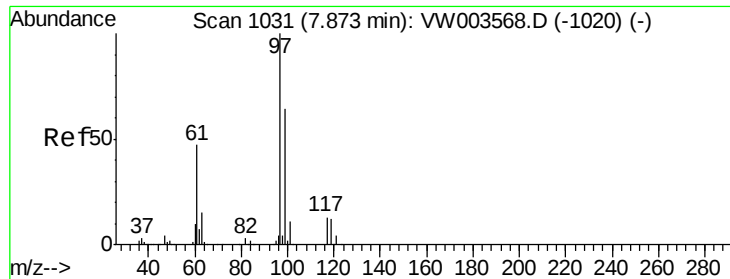
Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.2

84 83.1 67.4 101.0





#31

1,1,1-Trichloroethane

Concen: 27.434 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

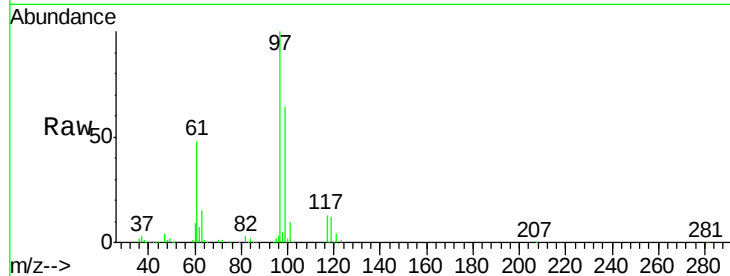
Tgt Ion: 97 Resp: 178349

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

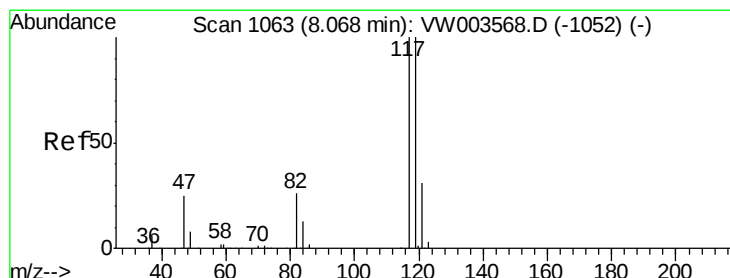
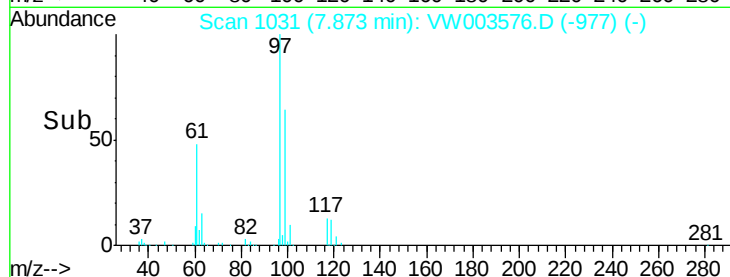
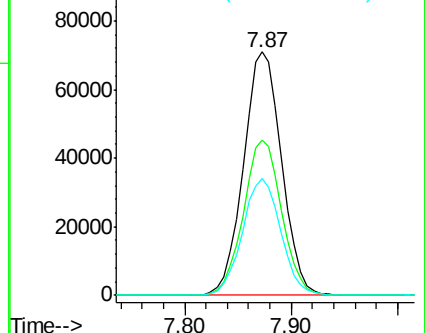
61 48.4 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 27.119 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003576.D

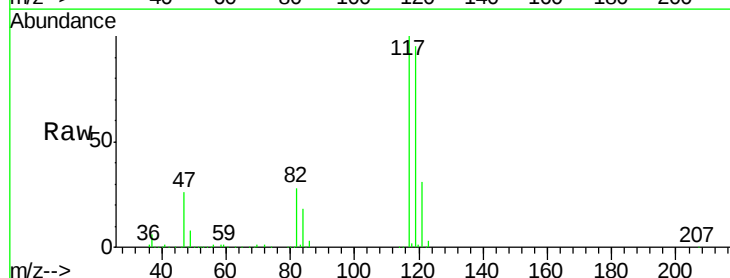
Acq: 26 Jun 2018 16:35

Tgt Ion: 117 Resp: 170329

Ion Ratio Lower Upper

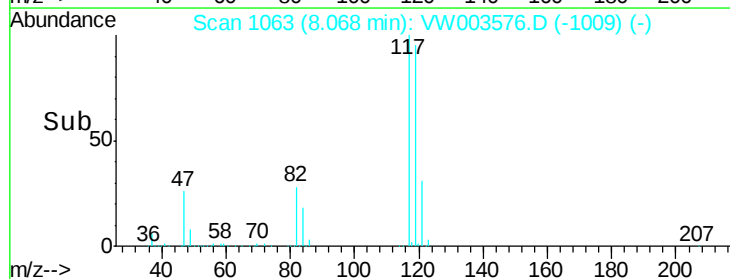
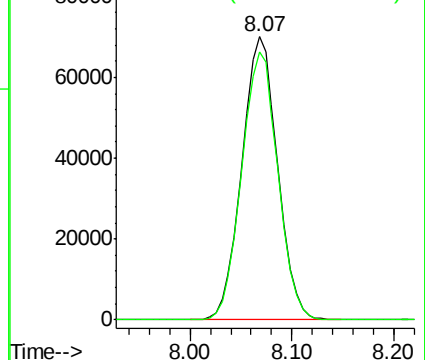
117 100

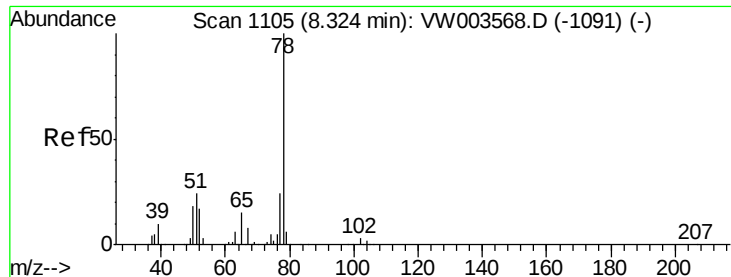
119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 27.694 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

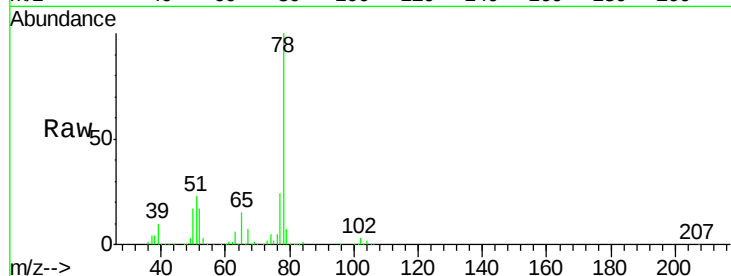
Instrument :

MSVOA_W

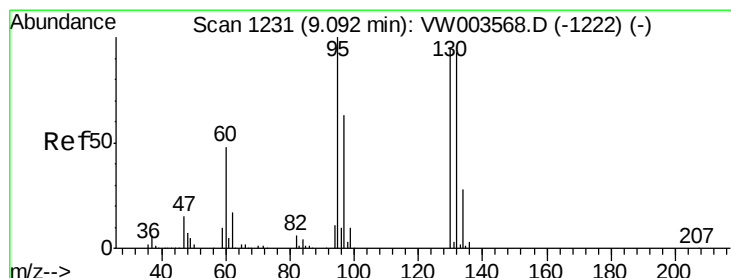
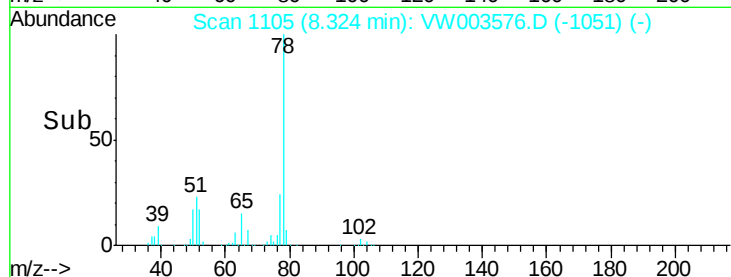
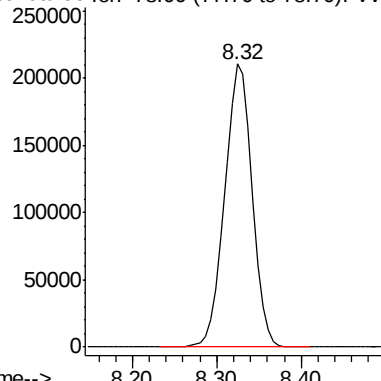
ClientSampleId :

VSTD02583

Tgt Ion: 78 Resp: 467313



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 27.077 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Tgt Ion: 95 Resp: 123147

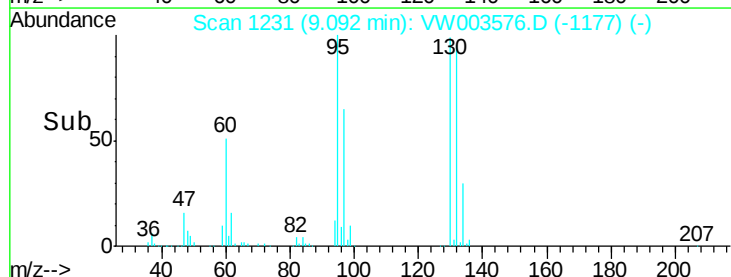
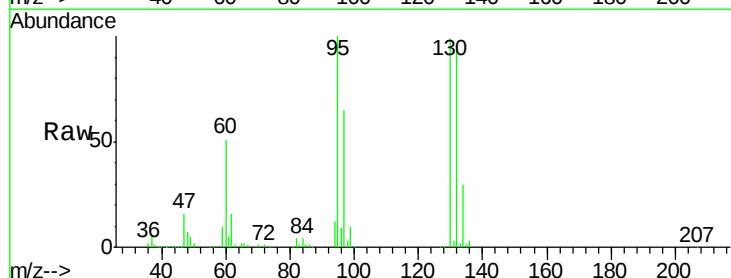
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.6
132	94.7	67.8	125.8
130	99.9	70.6	131.0

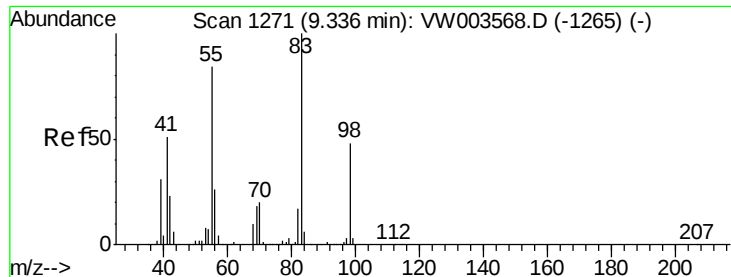
Abundance Ion 95.00 (94.70 to 95.70): VW

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

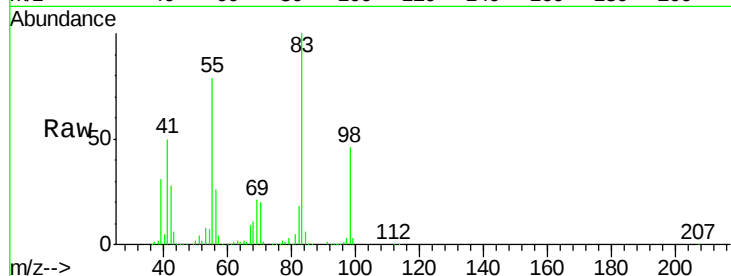




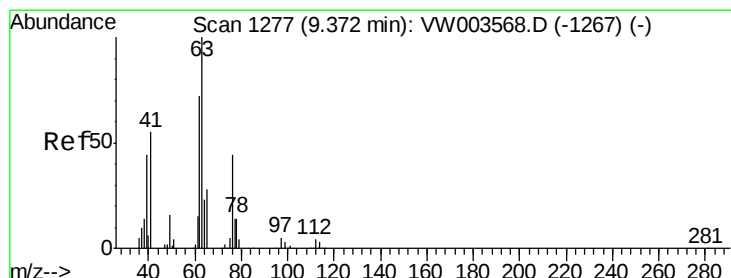
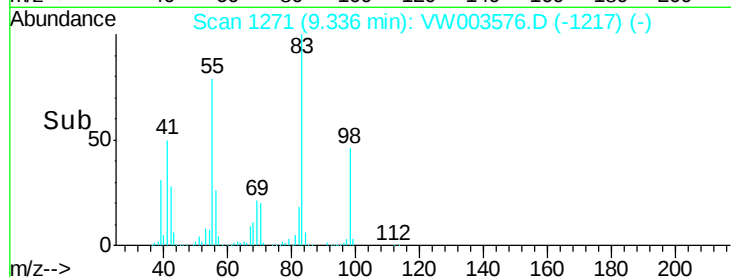
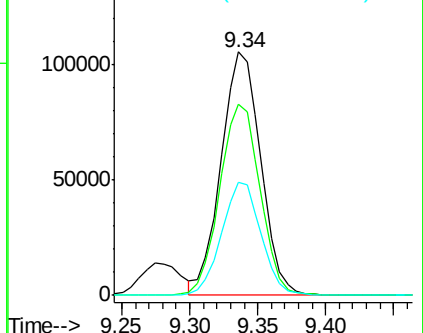
#36
Methylcyclohexane
Concen: 27.516 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Instrument :
MSVOA_W
ClientSampled :
VSTD02583

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.1	63.9	95.9
98	46.2	37.1	55.7

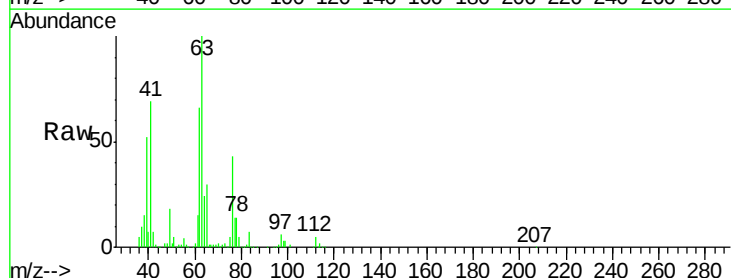


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

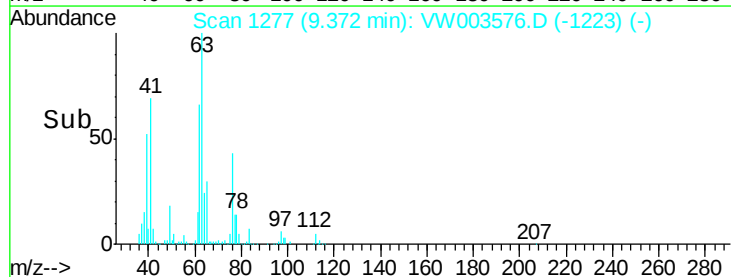
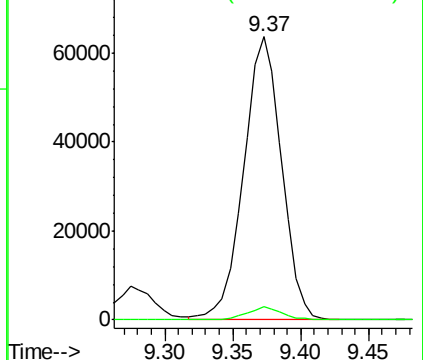


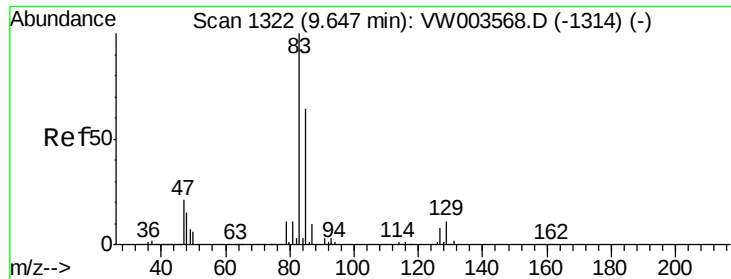
#40
1,2-Dichloropropane
Concen: 28.023 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Tgt Ion	Ratio	Lower	Upper
63	100		
112	4.2	3.4	5.0



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V

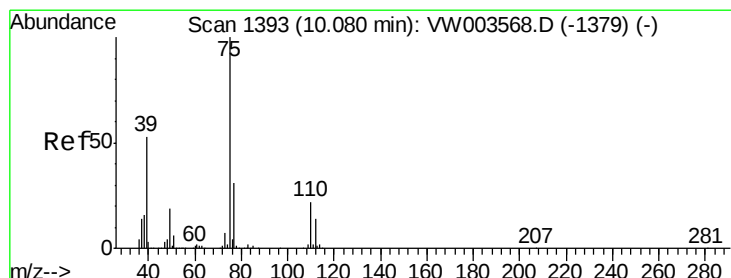
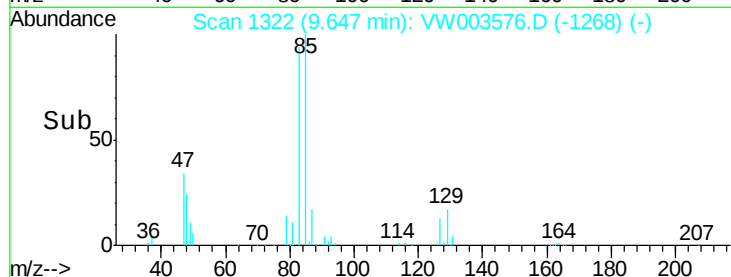
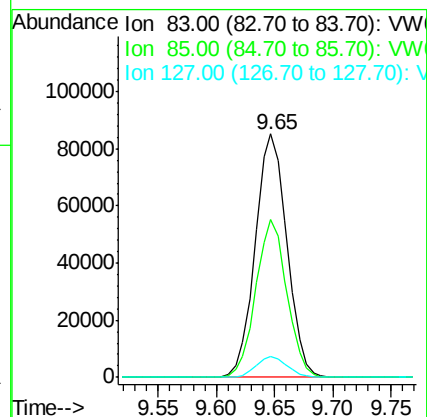
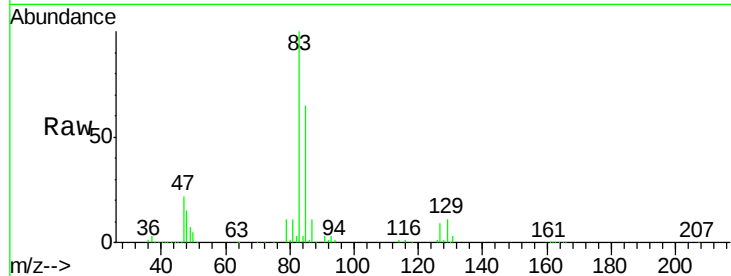




#41
 Bromodichloromethane
 Concen: 28.162 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

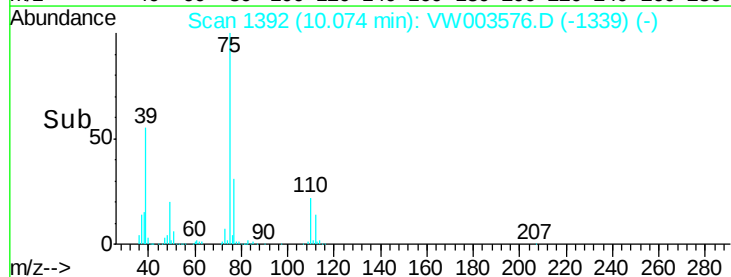
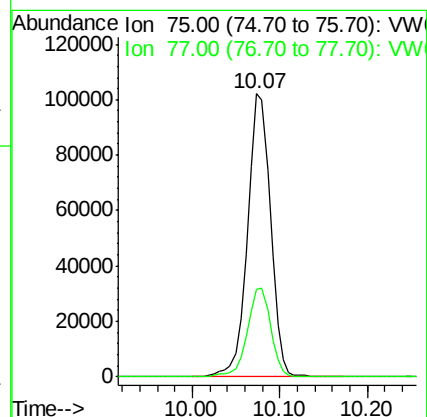
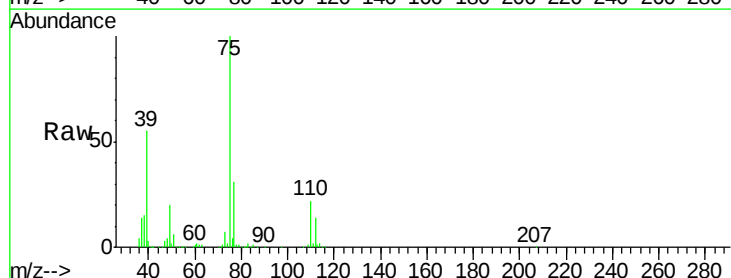
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02583

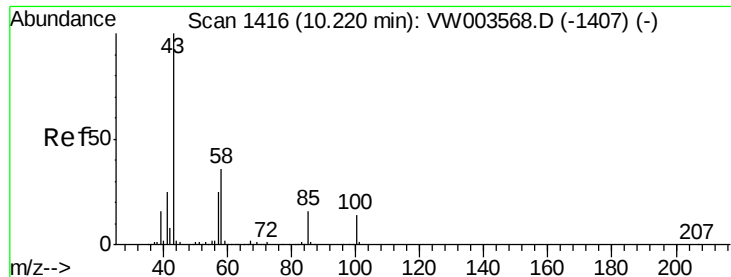
Tgt Ion: 83 Resp: 160736
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 83.1
 127 8.6 6.2 9.2



#42
 cis-1,3-Dichloropropene
 Concen: 28.091 ug/L
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

Tgt Ion: 75 Resp: 186162
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.8 40.6

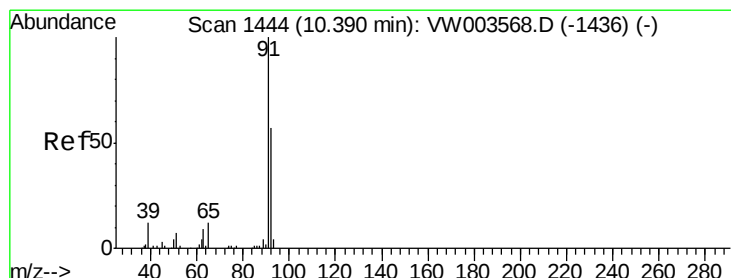
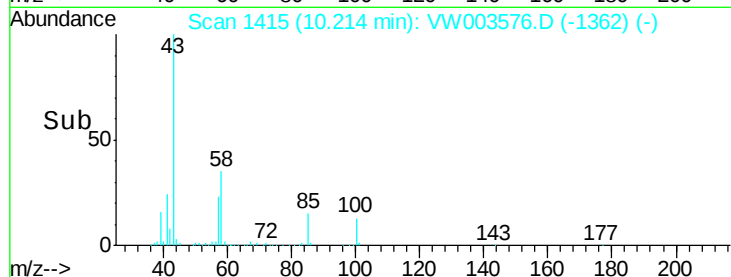
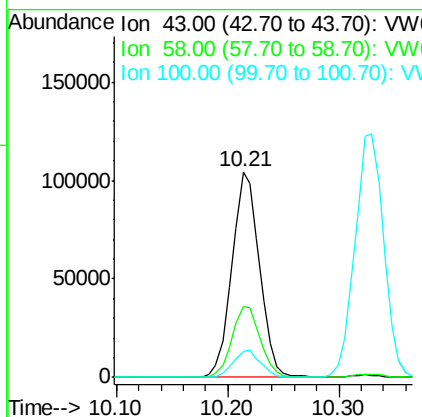
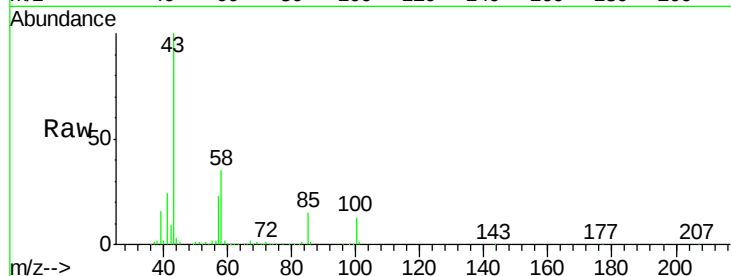




#43
4-Methyl-2-pentanone
Concen: 56.421 ug/L
RT: 10.21 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

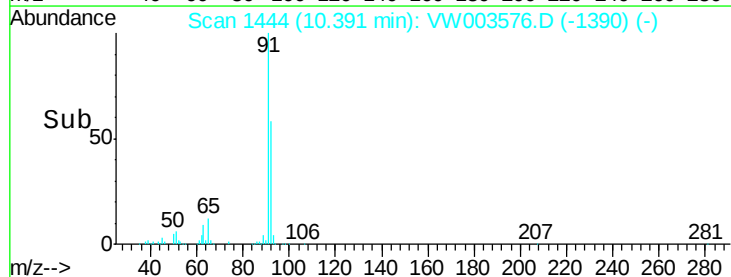
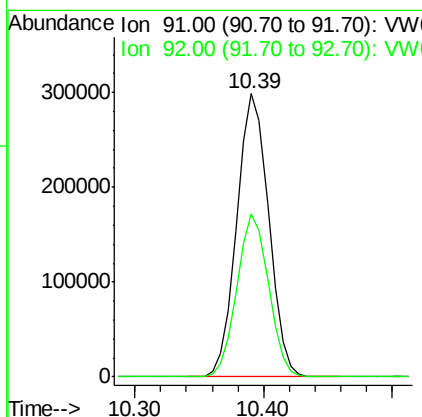
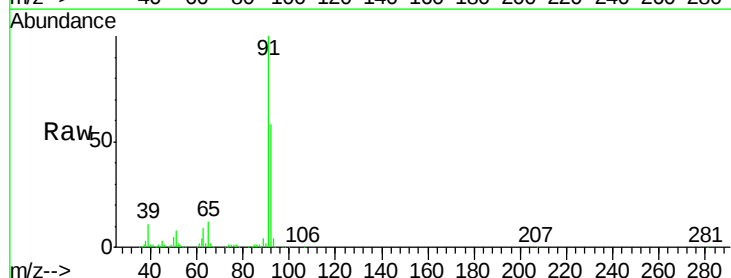
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

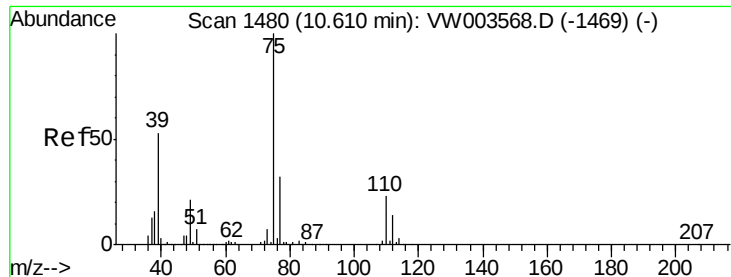
Tgt Ion: 43 Resp: 178988
Ion Ratio Lower Upper
43 100
58 35.4 28.7 43.1
100 13.1 11.1 16.7



#44
Toluene
Concen: 28.020 ug/L
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Tgt Ion: 91 Resp: 512777
Ion Ratio Lower Upper
91 100
92 57.6 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 28.387 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

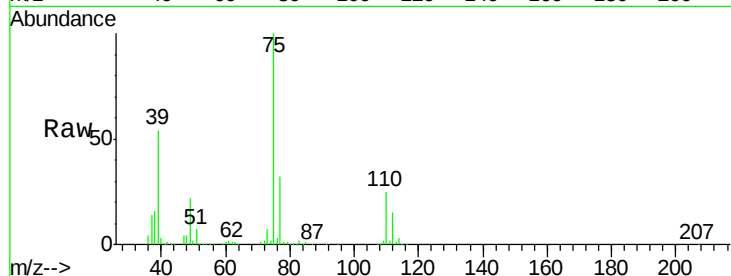
VSTD02583

Tgt Ion: 75 Resp: 170230

Ion Ratio Lower Upper

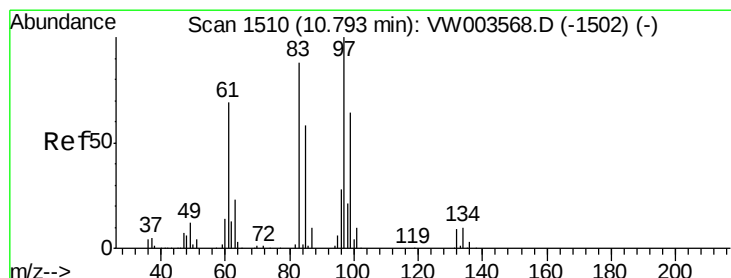
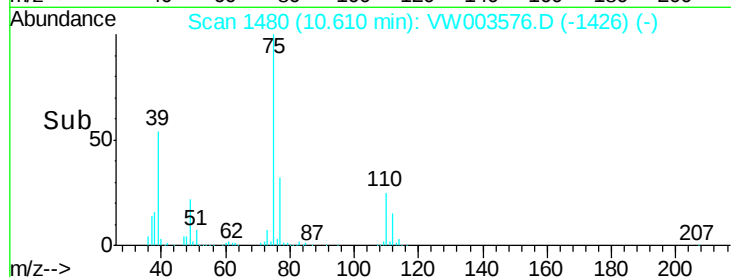
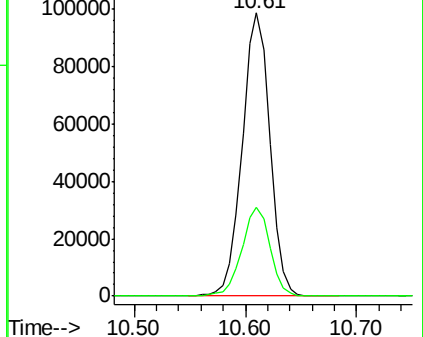
75 100

77 31.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 28.131 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Tgt Ion: 97 Resp: 93254

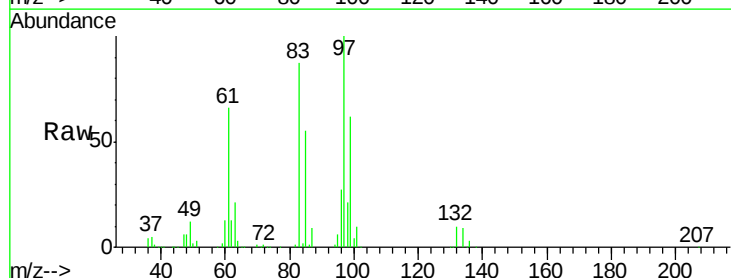
Ion Ratio Lower Upper

97 100

83 87.4 58.8 109.2

85 55.4 38.8 72.0

99 62.5 43.8 81.3

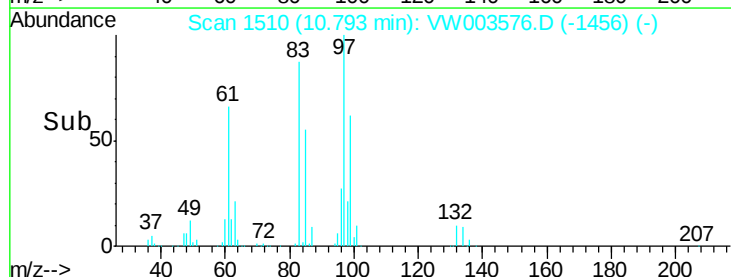
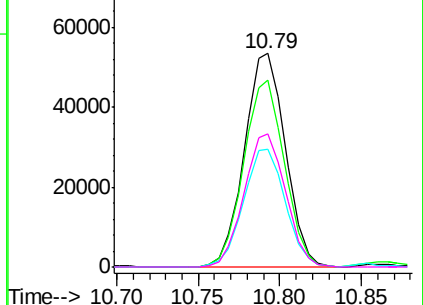


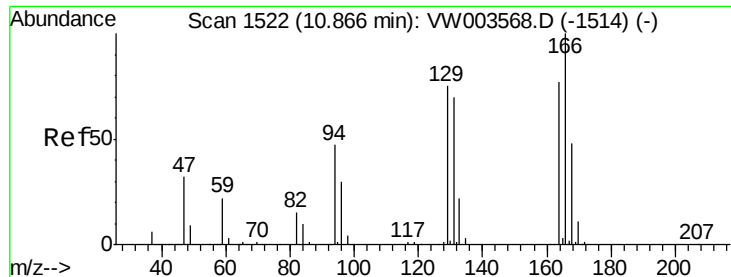
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.681 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion:164 Resp: 101970

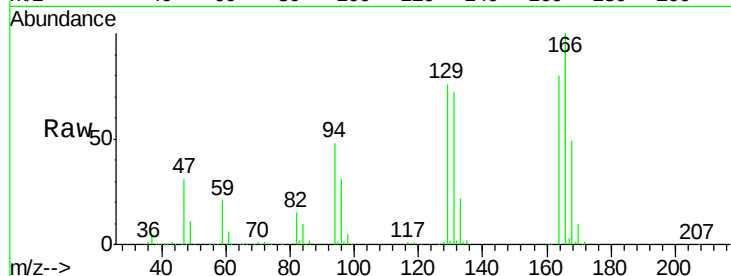
Ion Ratio Lower Upper

164 100

129 95.0 67.3 124.9

131 90.3 63.8 118.4

166 125.2 90.2 167.4



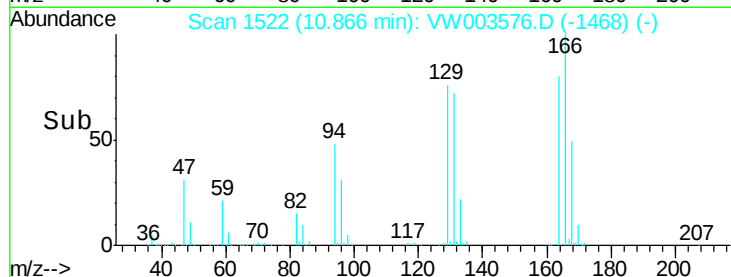
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



Abundance

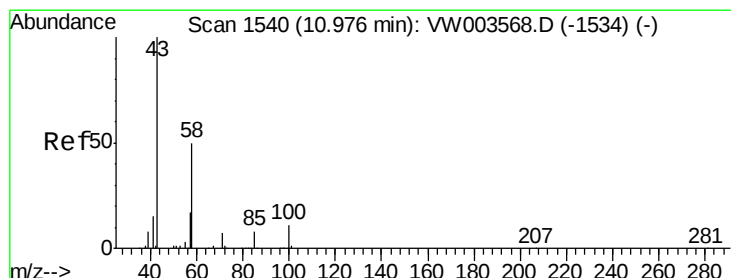
Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 57.897 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Tgt Ion: 43 Resp: 136871

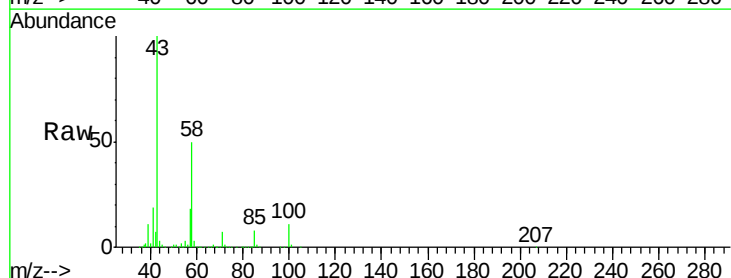
Ion Ratio Lower Upper

43 100

58 49.4 40.4 60.6

57 17.5 14.6 21.8

100 10.3 8.6 12.8



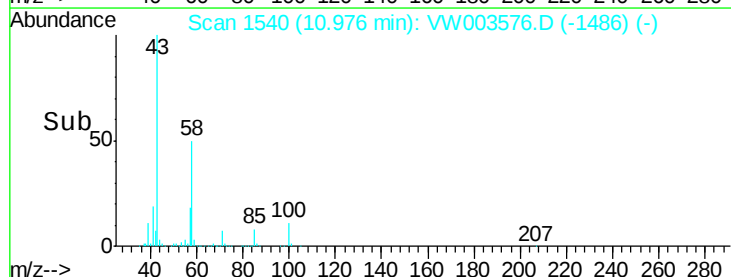
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



Abundance

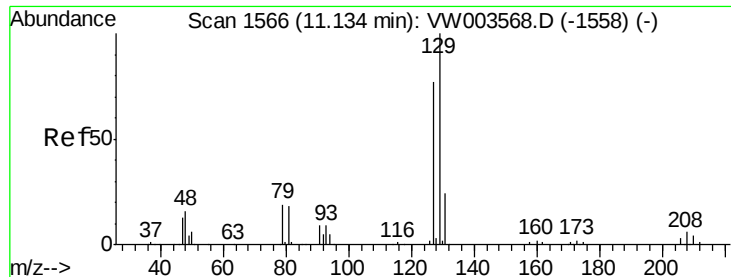
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

Time-->



#50

Dibromochloromethane

Concen: 27.807 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

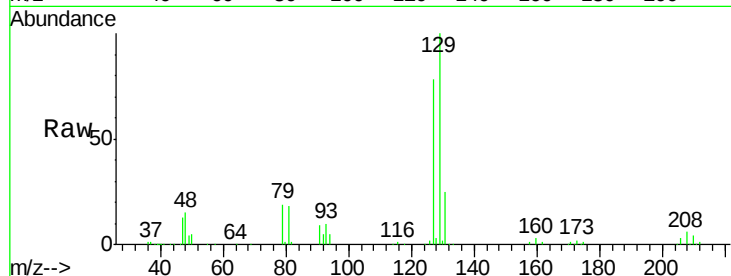
VSTD02583

Tgt Ion:129 Resp: 112218

Ion Ratio Lower Upper

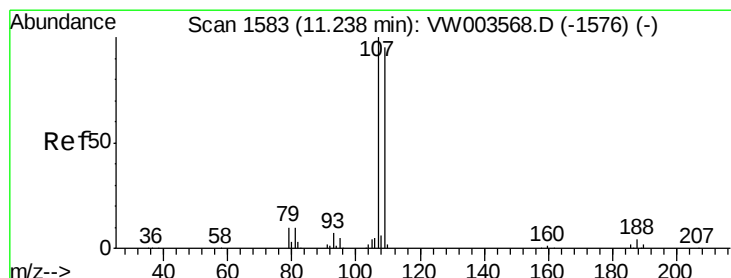
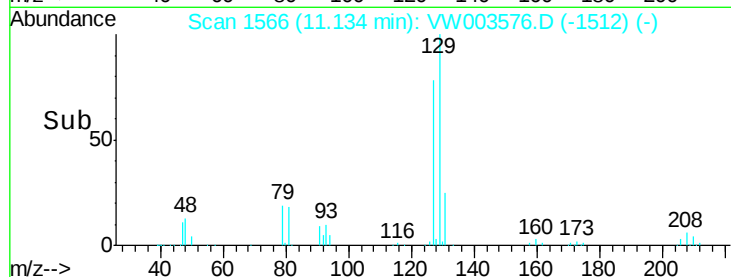
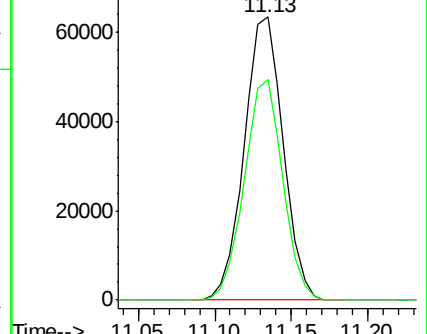
129 100

127 77.9 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 27.539 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

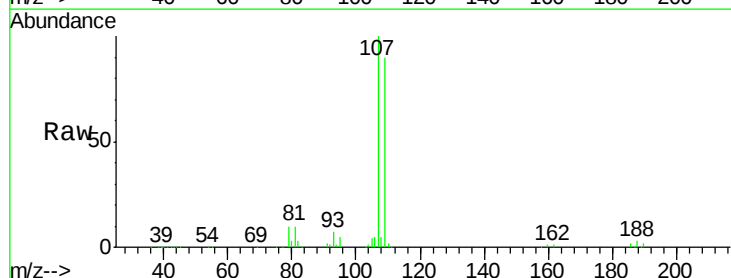
Tgt Ion:107 Resp: 90718

Ion Ratio Lower Upper

107 100

109 89.7 64.5 119.9

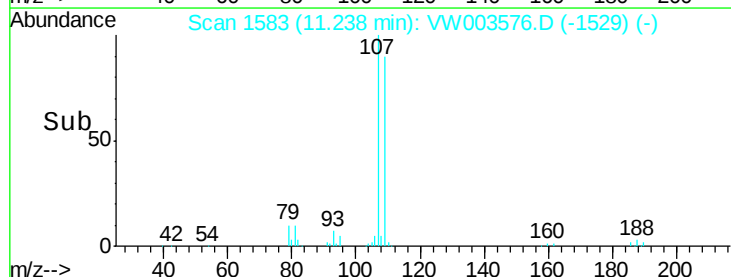
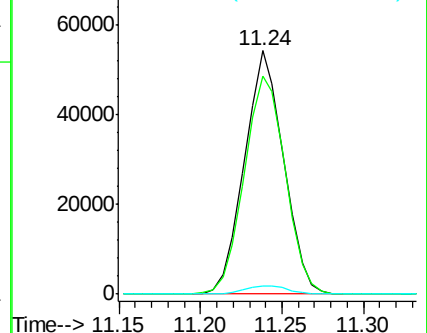
188 3.4 2.8 4.2

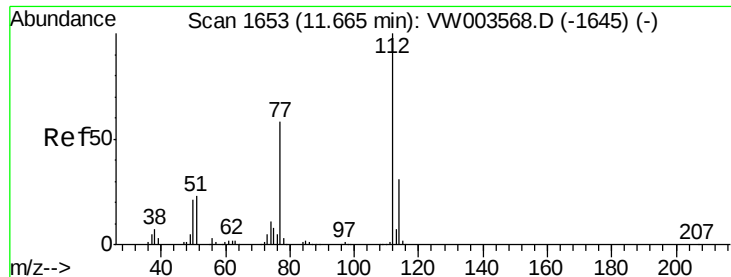


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 27.491 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

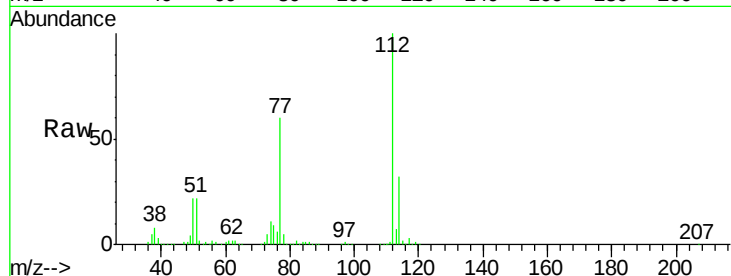
Tgt Ion: 112 Resp: 326689

Ion Ratio Lower Upper

112 100

77 60.3 47.3 70.9

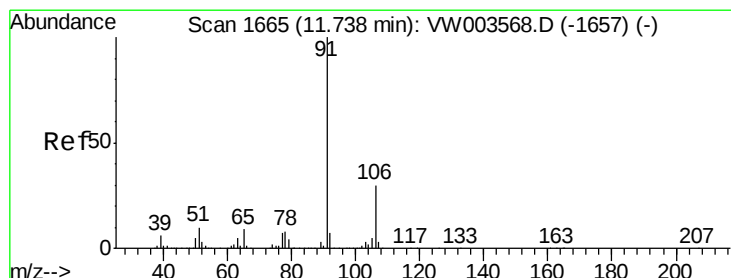
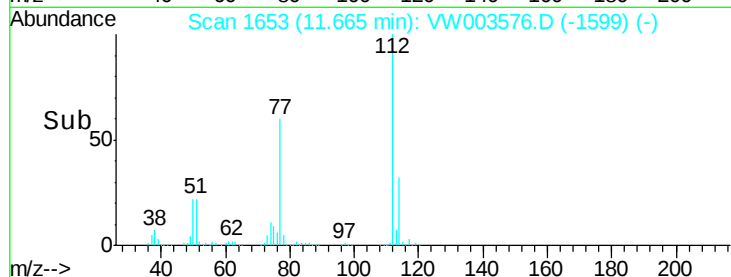
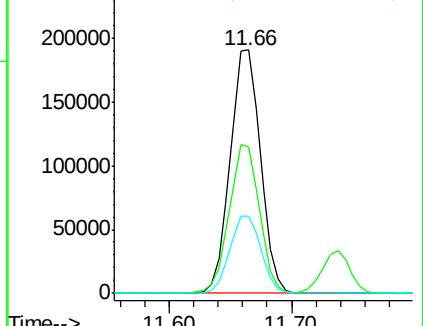
114 31.8 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 28.411 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003576.D

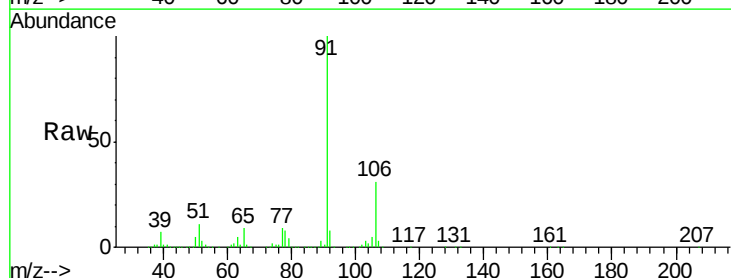
Acq: 26 Jun 2018 16:35

Tgt Ion: 91 Resp: 583177

Ion Ratio Lower Upper

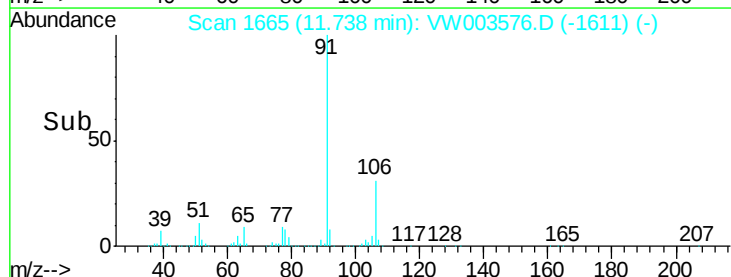
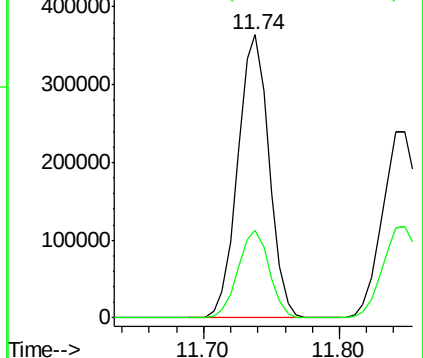
91 100

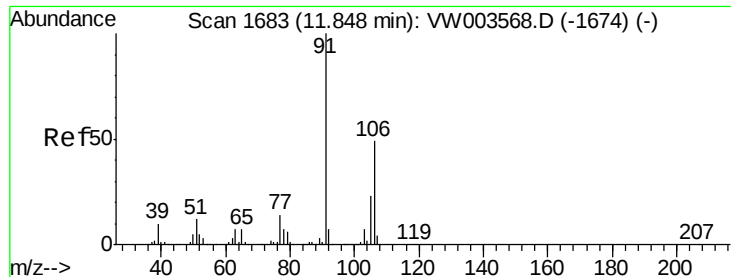
106 31.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 29.104 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampled :

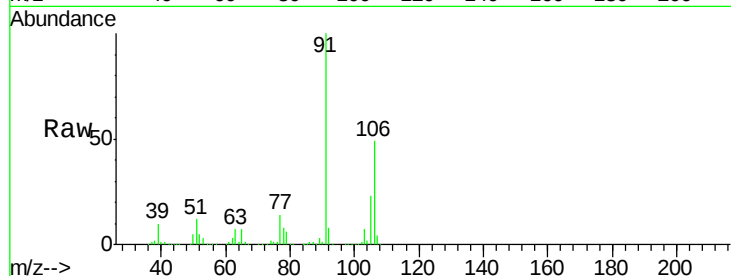
VSTD02583

Tgt Ion:106 Resp: 221876

Ion Ratio Lower Upper

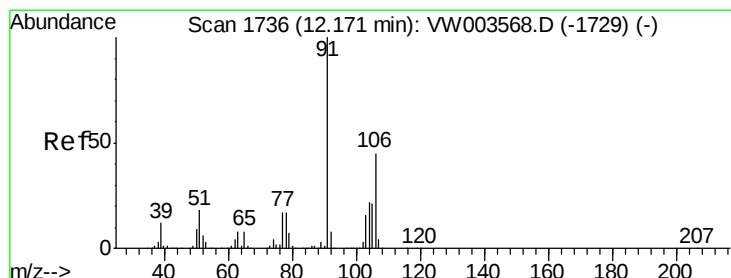
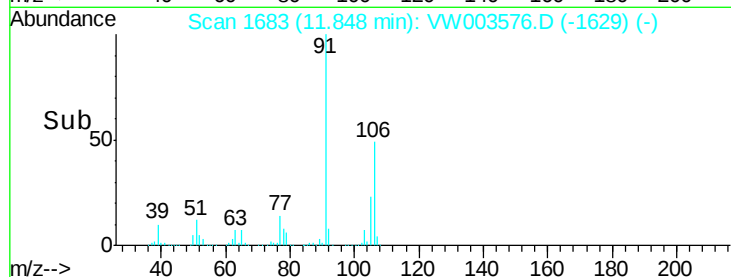
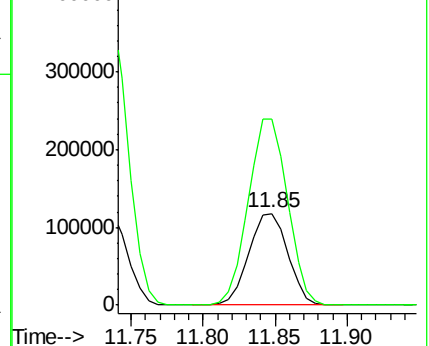
106 100

91 203.6 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 29.170 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003576.D

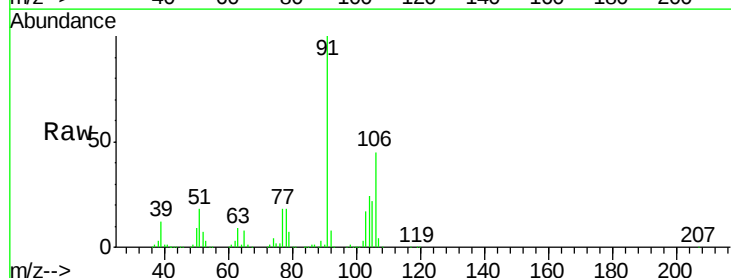
Acq: 26 Jun 2018 16:35

Tgt Ion:106 Resp: 211530

Ion Ratio Lower Upper

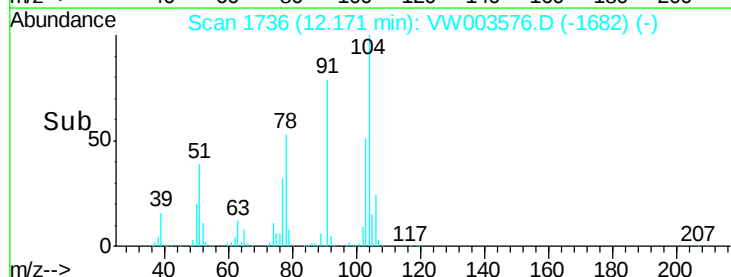
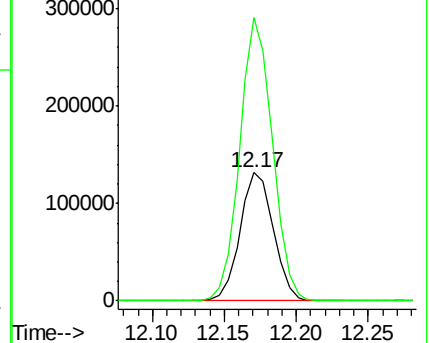
106 100

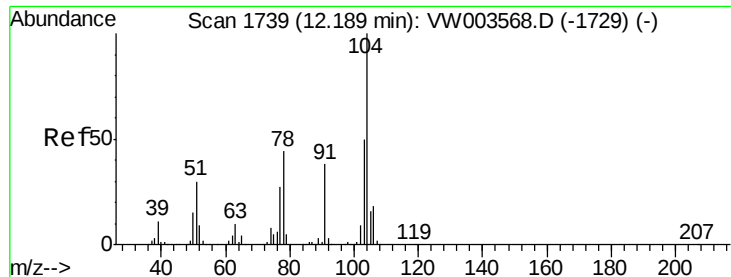
91 221.2 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 29.548 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

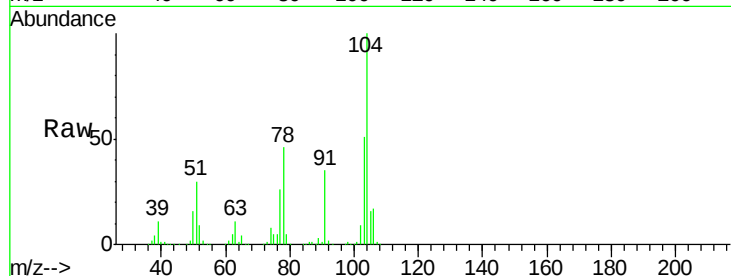
VSTD02583

Tgt Ion:104 Resp: 369937

Ion Ratio Lower Upper

104 100

78 45.8 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.19

250000

200000

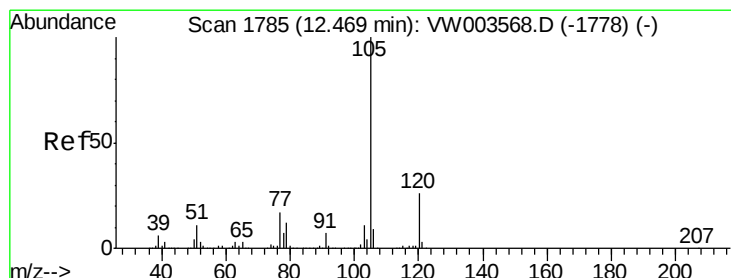
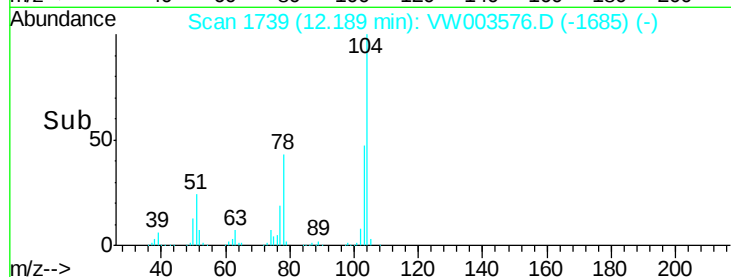
150000

100000

50000

0

Time--> 12.10 12.20 12.30



#57

Isopropylbenzene

Concen: 29.173 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

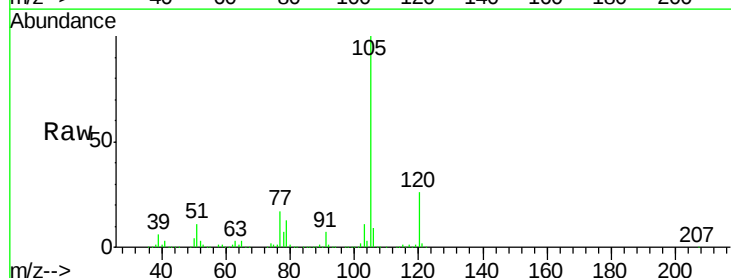
Tgt Ion:105 Resp: 586954

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

77 16.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

12.47

500000

400000

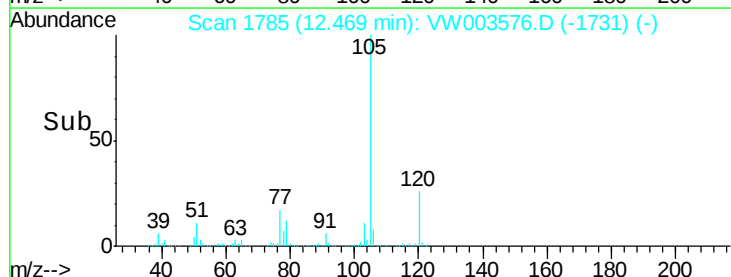
300000

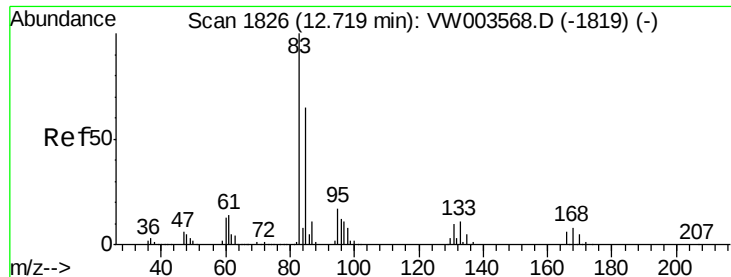
200000

100000

0

Time--> 12.40 12.45 12.50 12.55





#58

1,1,2,2-Tetrachloroethane

Concen: 28.435 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

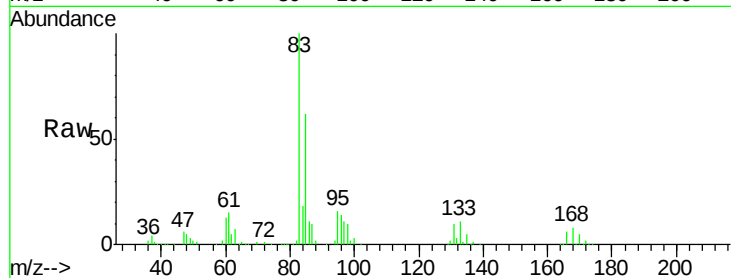
Tgt Ion: 83 Resp: 124262

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.9

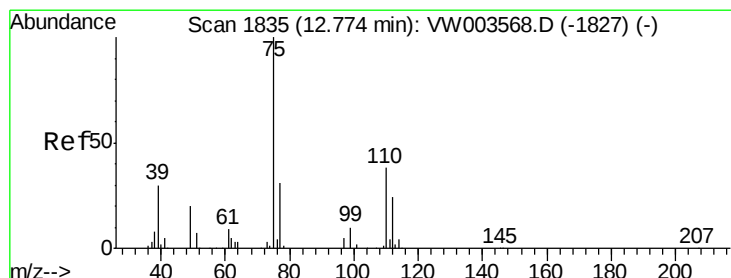
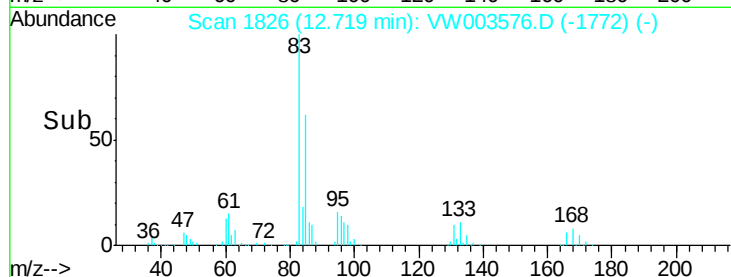
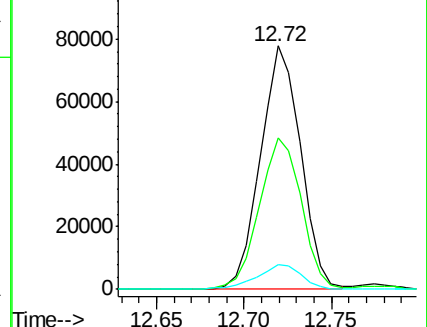
131 9.9 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 28.218 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003576.D

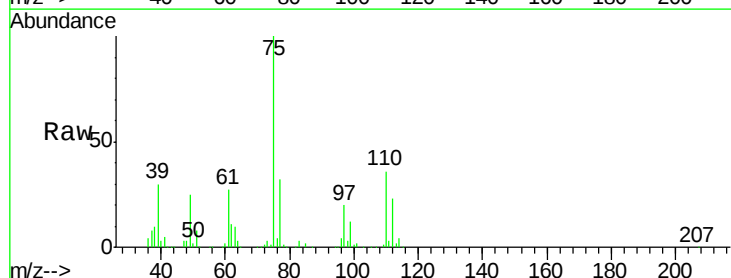
Acq: 26 Jun 2018 16:35

Tgt Ion: 75 Resp: 94507

Ion Ratio Lower Upper

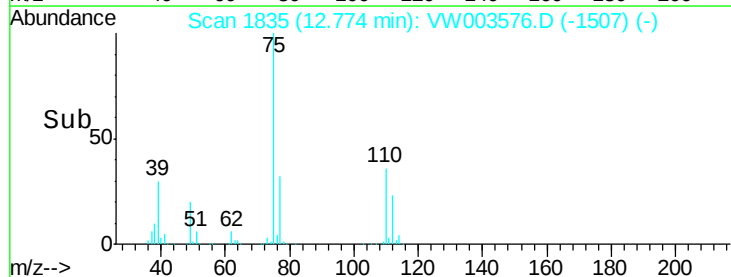
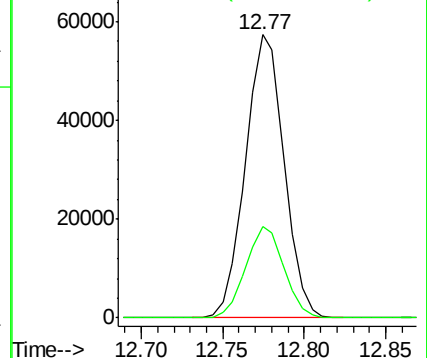
75 100

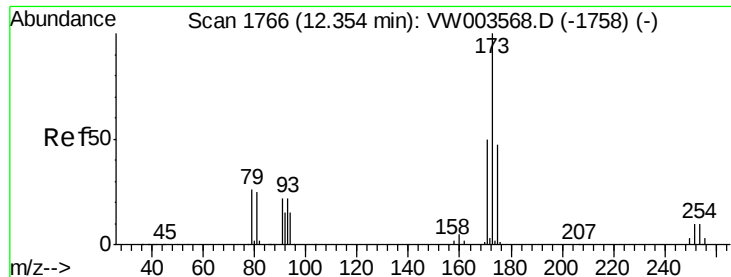
77 32.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 26.632 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

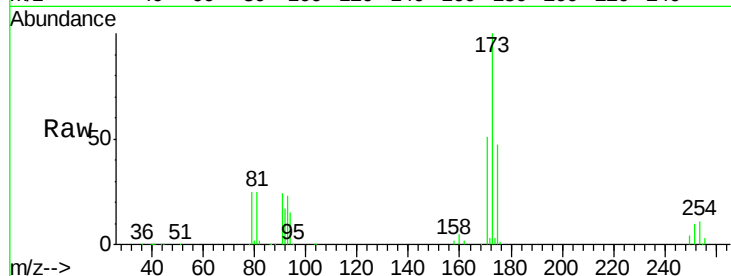
Tgt Ion:173 Resp: 70007

Ion Ratio Lower Upper

173 100

175 48.2 39.9 59.9

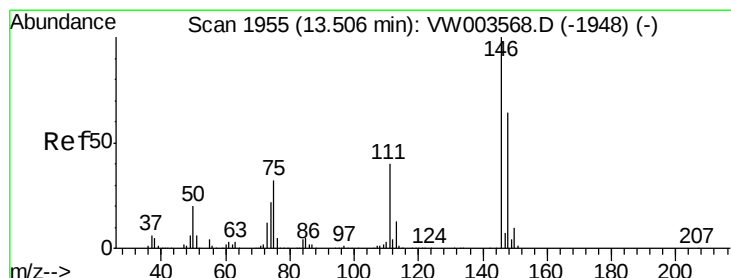
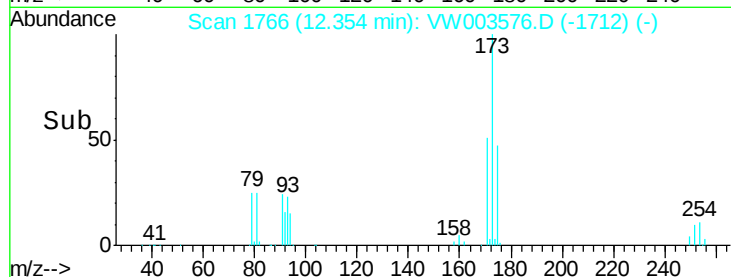
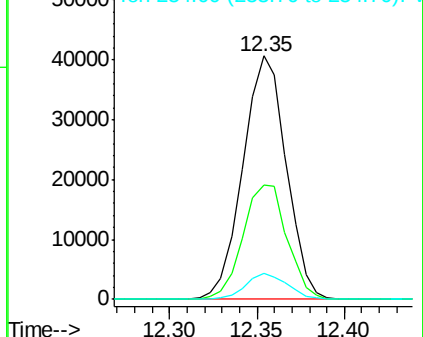
254 10.2 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 26.749 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003576.D

Acq: 26 Jun 2018 16:35

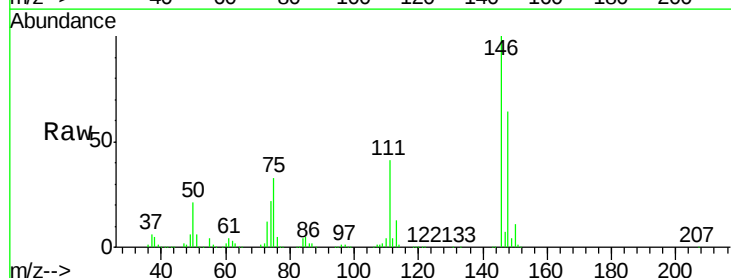
Tgt Ion:146 Resp: 256884

Ion Ratio Lower Upper

146 100

111 40.8 27.9 51.7

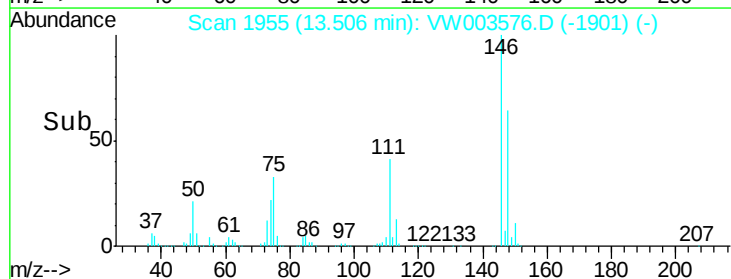
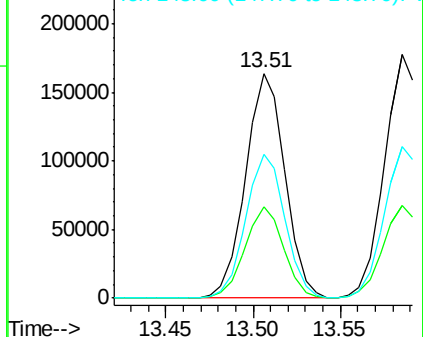
148 63.9 44.9 83.3

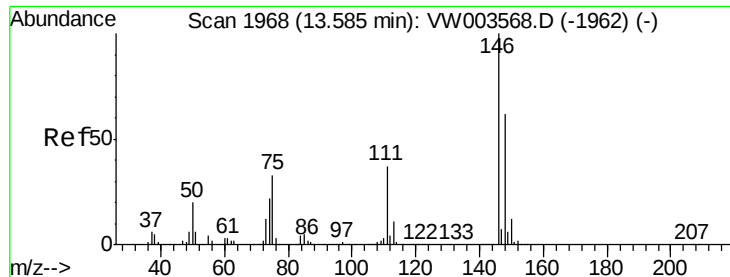


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

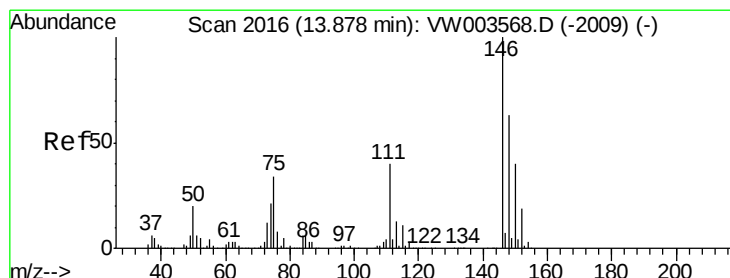
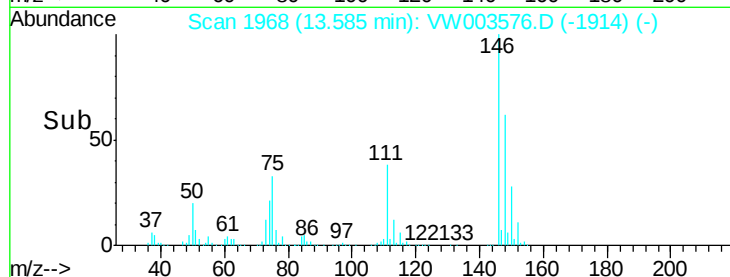
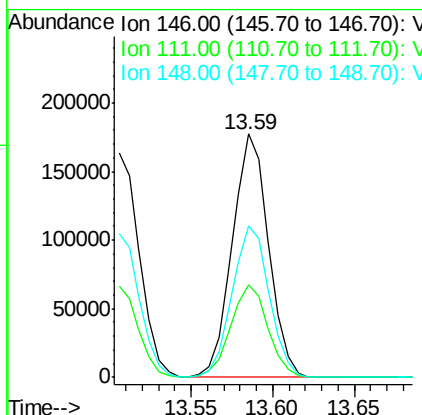
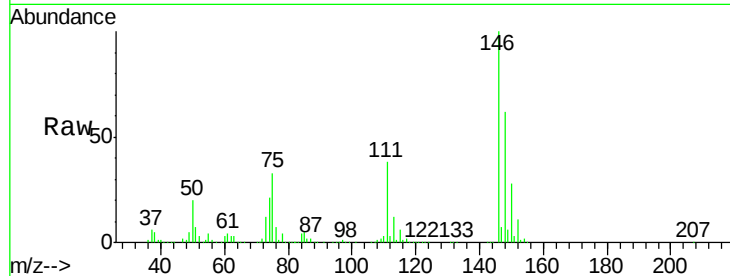




#64
 1,4-Dichlorobenzene
 Concen: 27.256 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

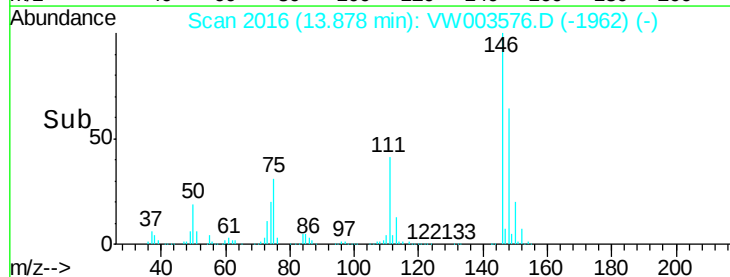
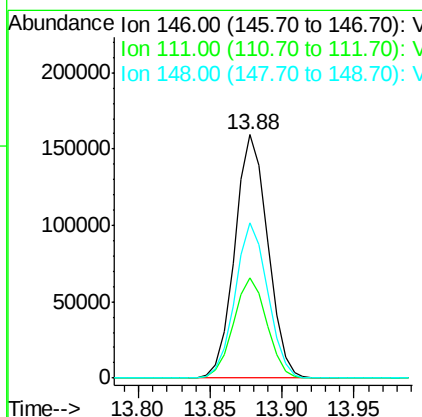
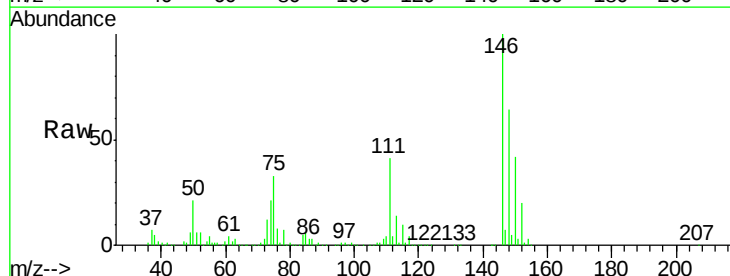
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

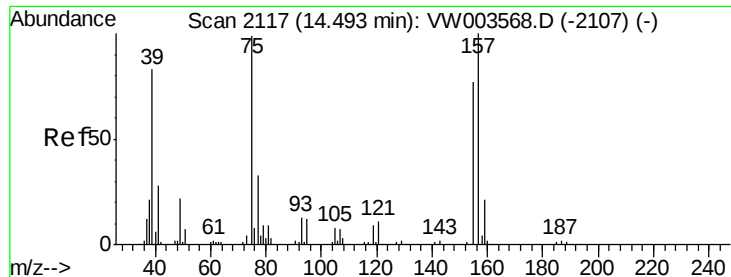
Tgt Ion:146 Resp: 274434
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.8 49.8
 148 62.1 45.4 84.2



#65
 1,2-Dichlorobenzene
 Concen: 27.740 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

Tgt Ion:146 Resp: 254340
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.1 49.7
 148 64.0 51.0 76.6

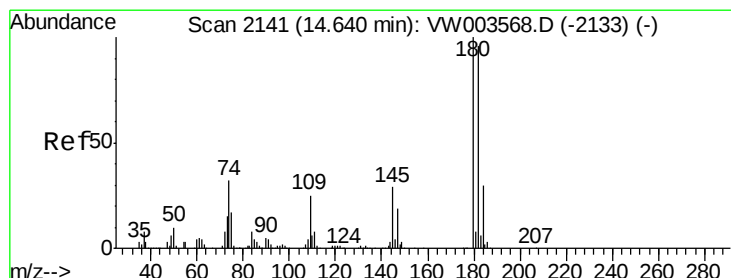
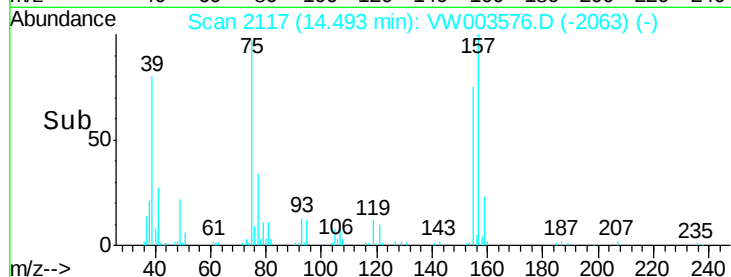
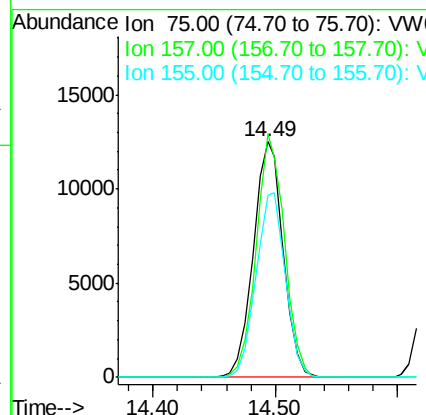
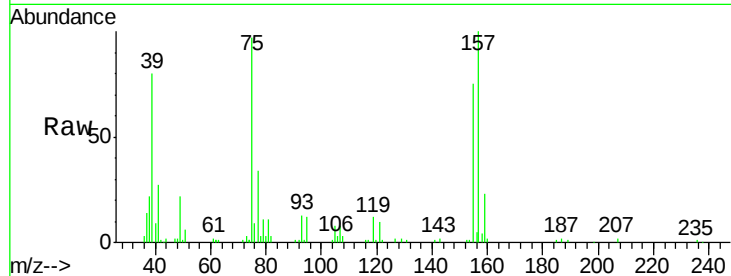




#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.181 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

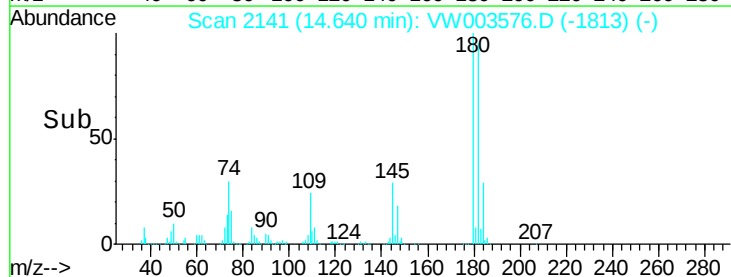
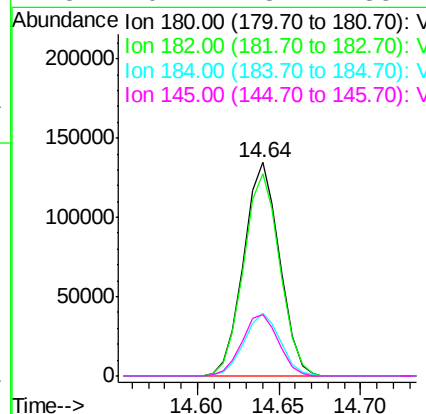
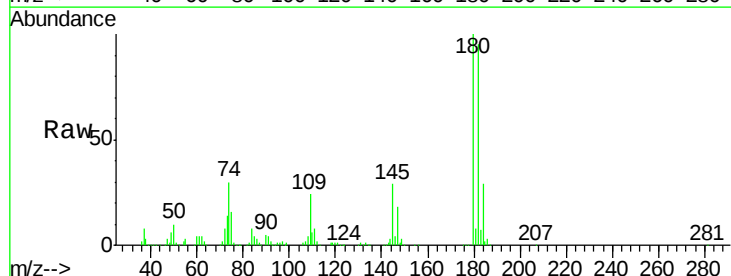
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

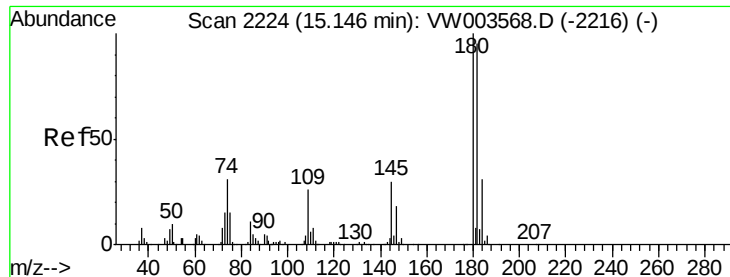
Tgt Ion: 75 Resp: 21067
 Ion Ratio Lower Upper
 75 100
 157 103.2 70.7 106.1
 155 77.4 59.0 88.6



#67
 1,3,5-Trichlorobenzene
 Concen: 27.668 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

Tgt Ion: 180 Resp: 206470
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.9 113.9
 184 29.8 24.5 36.7
 145 29.7 23.4 35.2

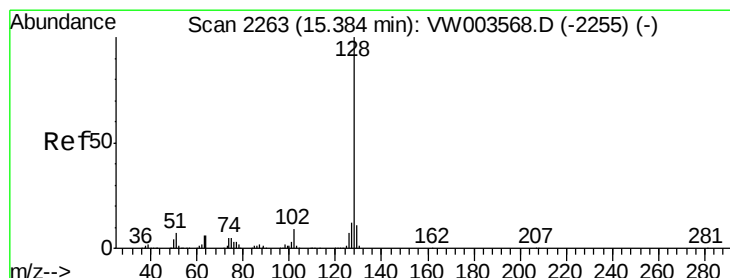
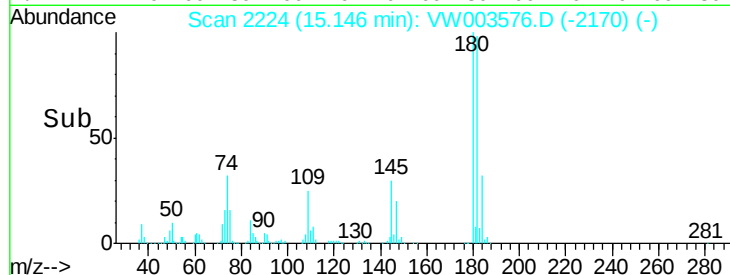
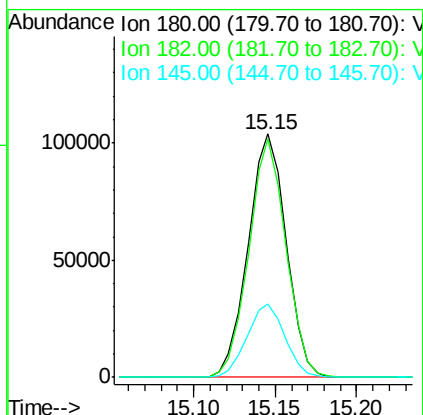
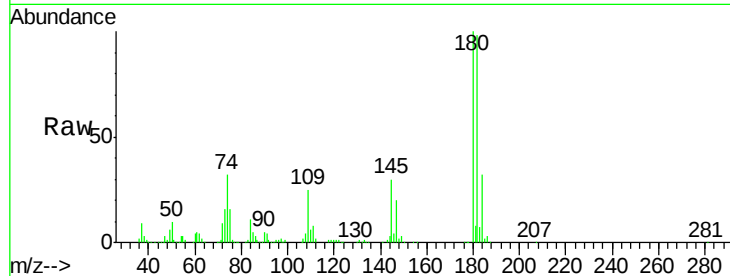




#68
1,2,4-trichlorobenzene
Concen: 27.842 ug/L
RT: 15.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

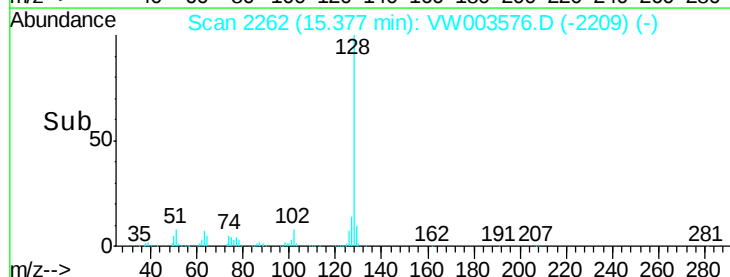
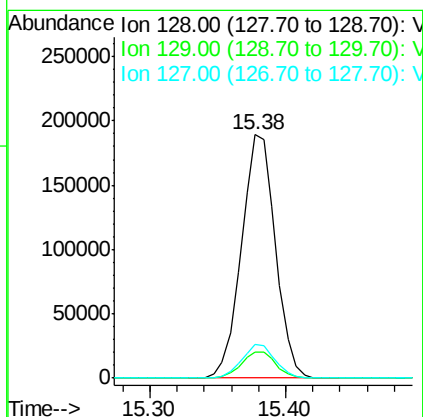
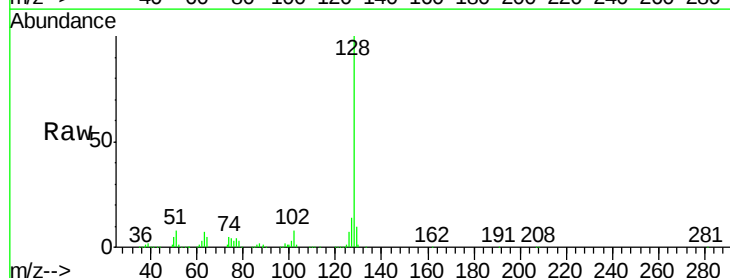
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

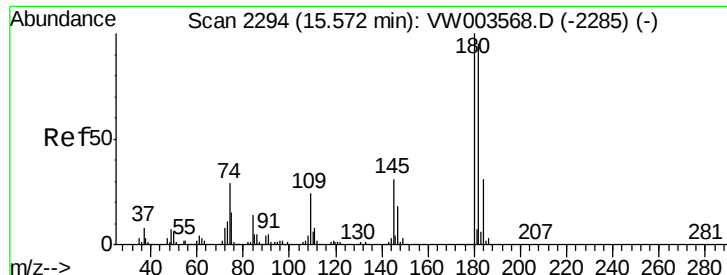
Tgt Ion:180 Resp: 169141
Ion Ratio Lower Upper
180 100
182 95.0 74.8 112.2
145 30.1 23.6 35.4



#69
Naphthalene
Concen: 29.000 ug/L
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003576.D
Acq: 26 Jun 2018 16:35

Tgt Ion:128 Resp: 329646
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.9 16.3

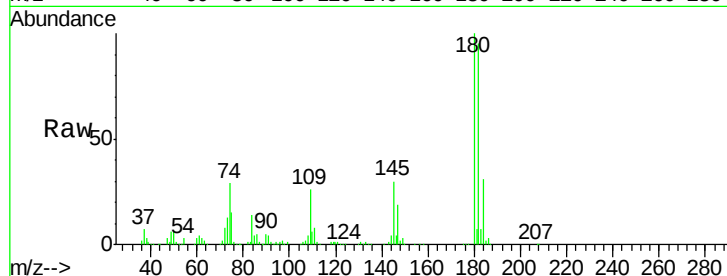




#70
 1,2,3-Trichlorobenzene
 Concen: 28.837 ug/L
 RT: 15.57 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VW003576.D
 Acq: 26 Jun 2018 16:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion	Resp	Lower	Upper
180	160563		
182	96.5	75.4	113.0
145	31.5	25.4	38.2



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

