

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072118\
 Data File : VW004126.D
 Acq On : 21 Jul 2018 20:33
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Quant Time: Jul 23 00:05:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 06:22:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319812	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	296960	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152189	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	64223	20.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.20%
7) Chloroethane-d5	2.89	69	48693	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
10) 1,1-Dichloroethene-d2	4.01	63	173537	22.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.48%
20) 2-Butanone-d5	7.08	46	112072	60.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.84%
24) Chloroform-d	7.65	84	191360	25.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.84%
26) 1,2-Dichloroethane-d4	8.31	65	113416	24.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.24%
29) Benzene-d6	8.28	84	340704	24.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.96%
33) 1,2-Dichloropropane-d6	9.28	67	115874	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	10.33	98	306062	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.92%
38) trans-1,3-Dichloropropene-	10.58	79	49035	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	82590	66.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.56%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	142627	28.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	123008	25.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	29549	14.431	ug/L #	89
3) Chloromethane	2.21	50	69284	21.165	ug/L	96
5) Vinyl chloride	2.36	62	106568	21.620	ug/L	99
6) Bromomethane	2.78	94	53203	20.331	ug/L	99
8) Chloroethane	2.92	64	53601	20.743	ug/L	95
9) Trichlorofluoromethane	3.26	101	58713	23.907	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110641	25.334	ug/L	98
12) 1,1-Dichloroethene	4.03	96	102828	24.154	ug/L	90
13) Acetone	4.12	43	86163	42.724	ug/L	99
14) Carbon disulfide	4.37	76	324661	23.573	ug/L	99
15) Methyl Acetate	4.67	43	87773	25.512	ug/L	99
16) Methylene chloride	4.91	84	112862	18.395	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	204633	24.854	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	108066	24.656	ug/L	97
19) 1,1-Dichloroethane	6.21	63	207762	24.916	ug/L	99
21) 2-Butanone	7.18	43	122723	49.044	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	117437	25.069	ug/L	99

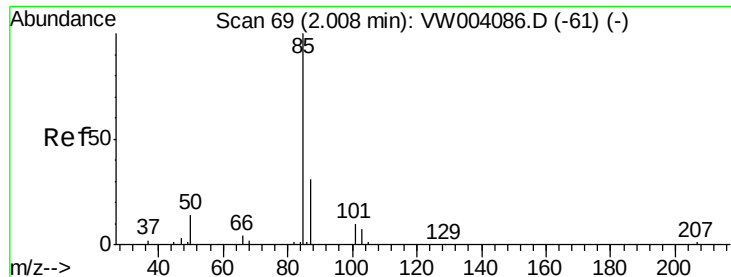
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54635	24.804	ug/L	96
25) Chloroform	7.68	83	212809	24.993	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154916	24.685	ug/L	98
30) Cyclohexane	7.96	56	194863	26.905	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	174715	25.869	ug/L	99
32) Carbon tetrachloride	8.07	117	166955	25.622	ug/L	99
34) Benzene	8.32	78	471924	25.926	ug/L	100
35) Trichloroethene	9.09	95	122921	25.239	ug/L	99
36) Methylcyclohexane	9.34	83	221114	27.468	ug/L	100
40) 1,2-Dichloropropane	9.37	63	125573	25.447	ug/L	99
41) Bromodichloromethane	9.65	83	152761	25.143	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	173059	24.889	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	241532	55.677	ug/L	99
44) Toluene	10.39	91	506770	26.568	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	163564	25.503	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	95514	24.905	ug/L	97
47) Tetrachloroethene	10.87	164	99226	25.261	ug/L	97
49) 2-Hexanone	10.98	43	186225	55.449	ug/L	99
50) Dibromochloromethane	11.13	129	111727	26.005	ug/L	93
51) 1,2-Dibromoethane	11.24	107	93907	25.071	ug/L	97
52) Chlorobenzene	11.66	112	310764	25.410	ug/L	100
53) Ethylbenzene	11.74	91	553111	26.788	ug/L	96
54) m,p-Xylene	11.85	106	210312	27.637	ug/L	95
55) o-xylene	12.17	106	193667	26.607	ug/L	98
56) Styrene	12.19	104	343158	27.291	ug/L	98
57) Isopropylbenzene	12.47	105	556619	27.892	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	141459	25.805	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	111491	26.274	ug/L	100
62) Bromoform	12.35	173	70711	24.620	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	234194	24.985	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	248061	24.682	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	235374	25.767	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	27633	25.948	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	188448	25.424	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	151092	25.419	ug/L	97
69) Naphthalene	15.38	128	365206	27.288	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	149598	26.452	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 14.431 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004126.D

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Instrument :

MSVOA_W

ClientSampleId :

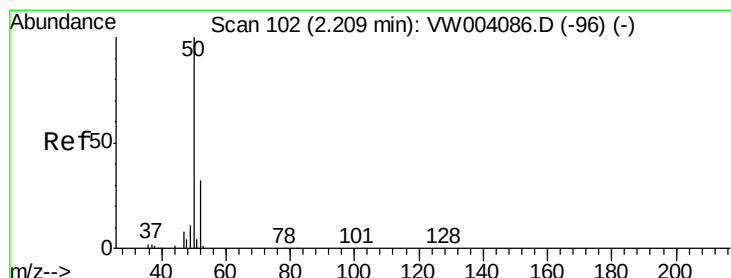
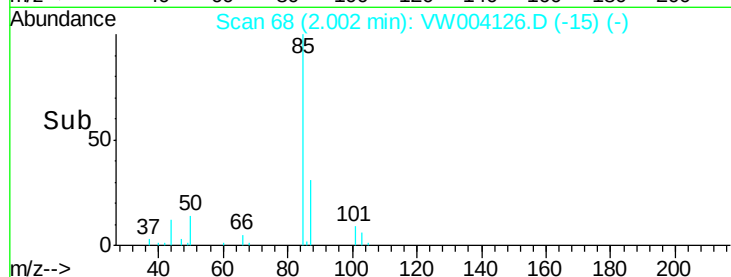
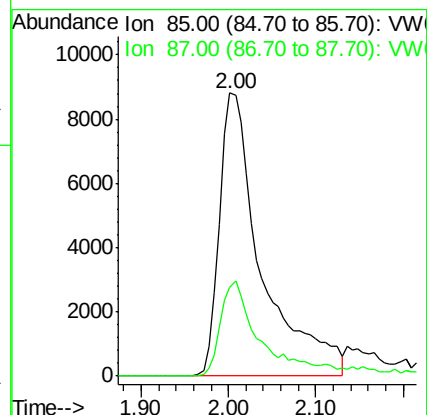
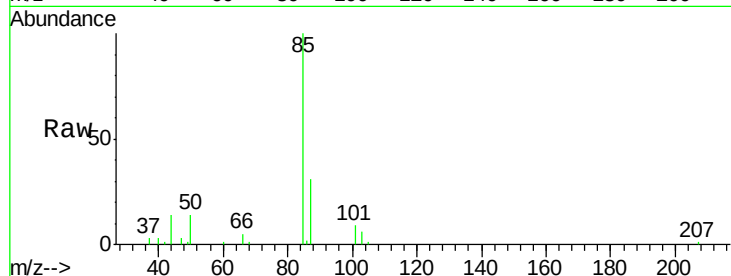
VSTD02596

Tgt Ion: 85 Resp: 29549

Ion Ratio Lower Upper

85 100

87 25.9 0.1 0.1#



#3

Chloromethane

Concen: 21.165 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004126.D

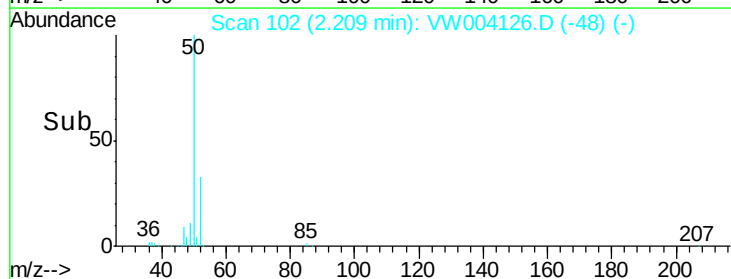
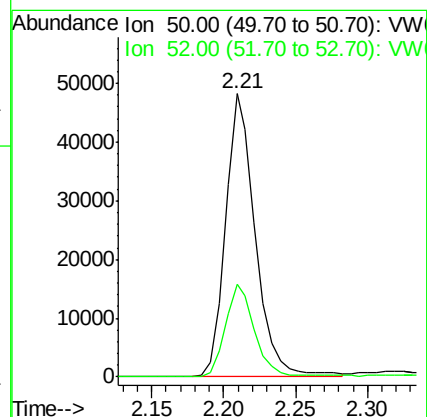
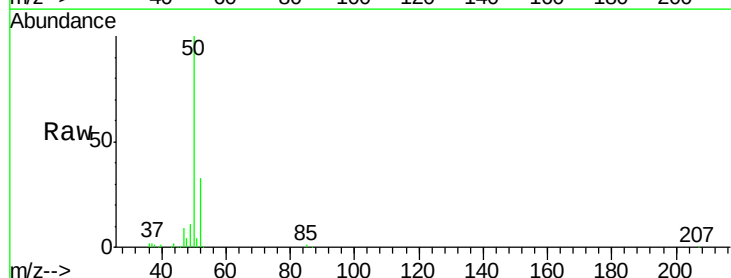
Acq: 21 Jul 2018 20:33

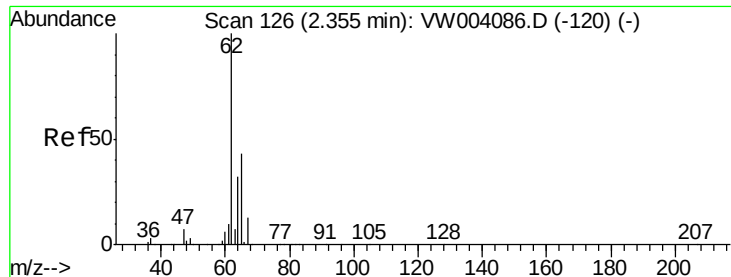
Tgt Ion: 50 Resp: 69284

Ion Ratio Lower Upper

50 100

52 32.7 21.3 39.6





#5

Vinyl chloride

Concen: 21.620 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

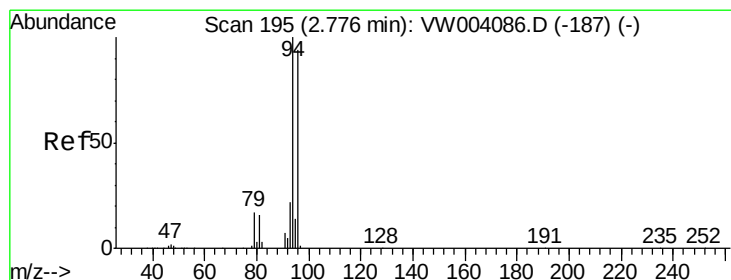
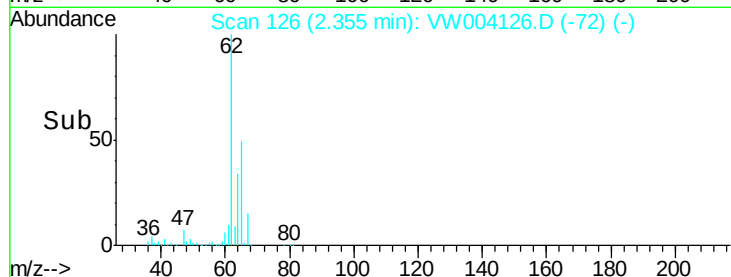
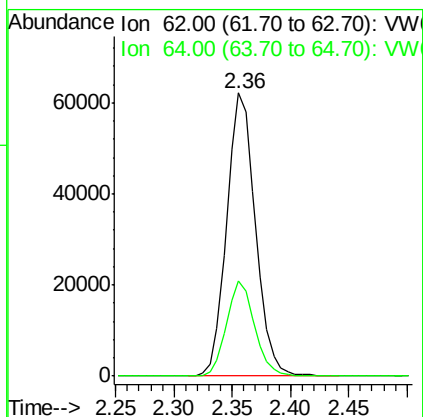
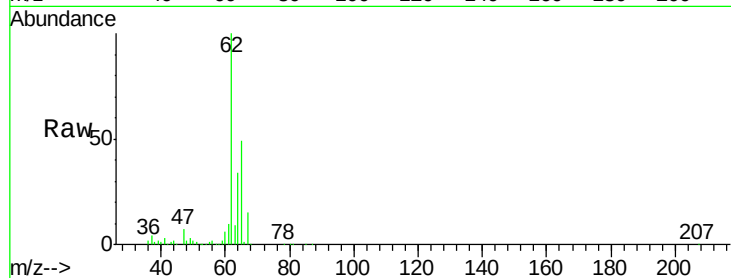
VSTD02596

Tgt Ion: 62 Resp: 106568

Ion Ratio Lower Upper

62 100

64 33.8 23.1 42.9



#6

Bromomethane

Concen: 20.331 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004126.D

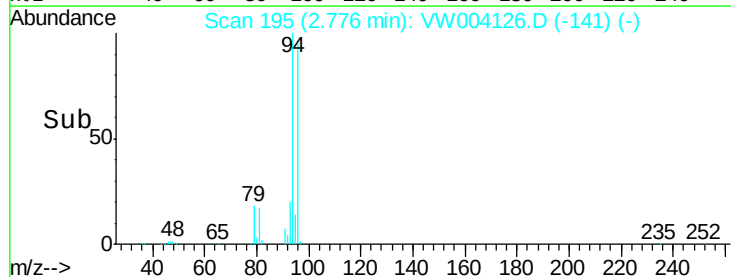
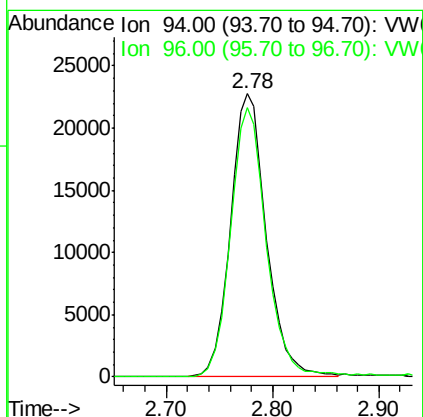
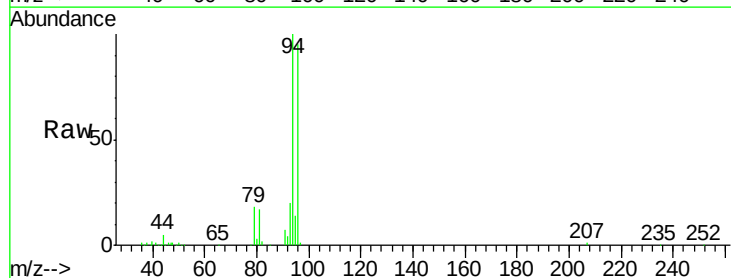
Acq: 21 Jul 2018 20:33

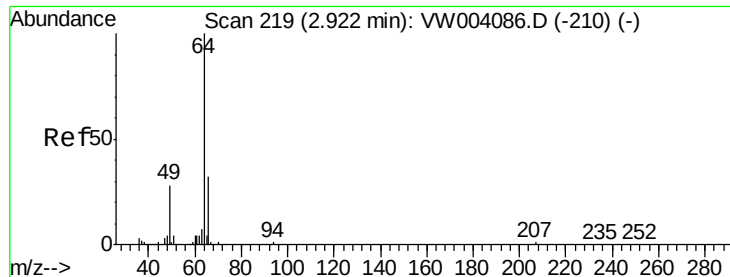
Tgt Ion: 94 Resp: 53203

Ion Ratio Lower Upper

94 100

96 95.4 9.5 179.9





#8

Chloroethane

Concen: 20.743 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

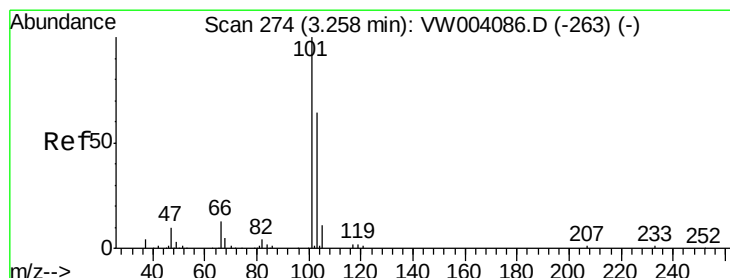
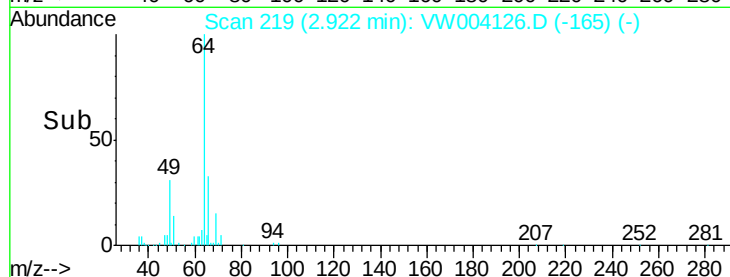
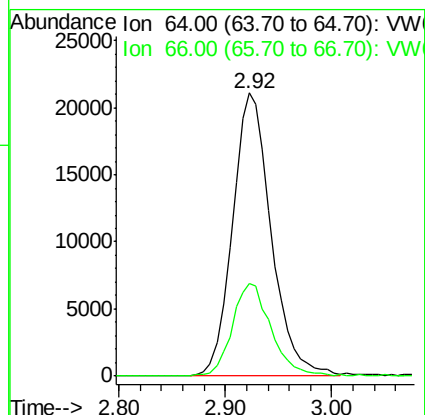
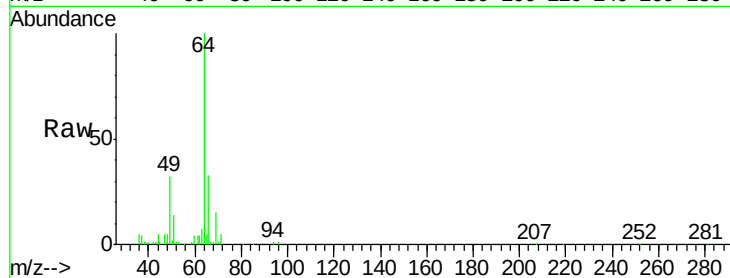
VSTD02596

Tgt Ion: 64 Resp: 53601

Ion Ratio Lower Upper

64 100

66 32.8 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.907 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004126.D

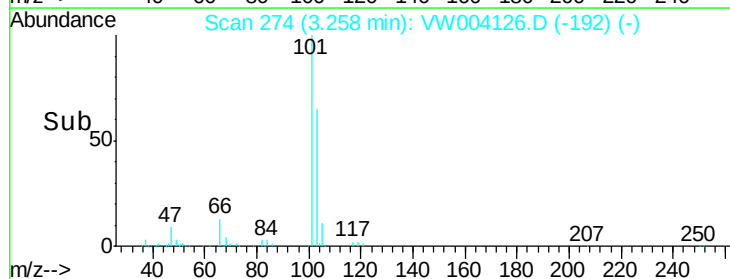
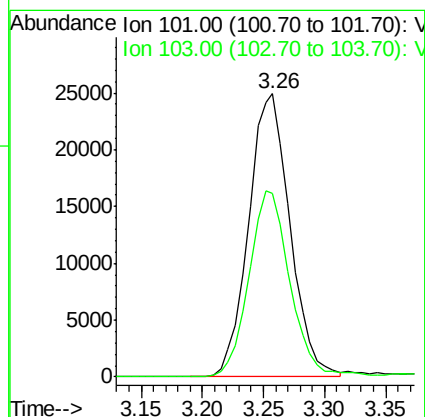
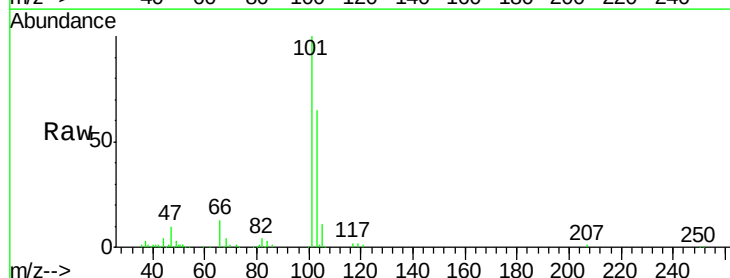
Acq: 21 Jul 2018 20:33

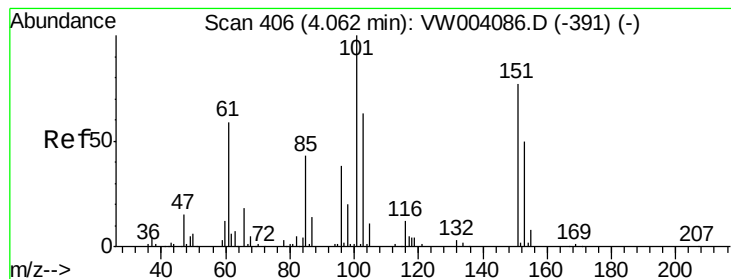
Tgt Ion: 101 Resp: 58713

Ion Ratio Lower Upper

101 100

103 64.8 45.6 84.8





#11

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

Concen: 25.334 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

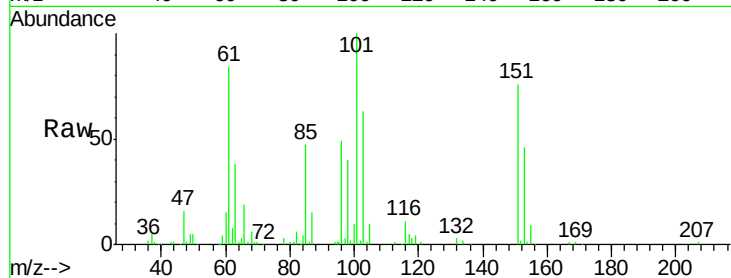
Tgt Ion: 101 Resp: 110641

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.4

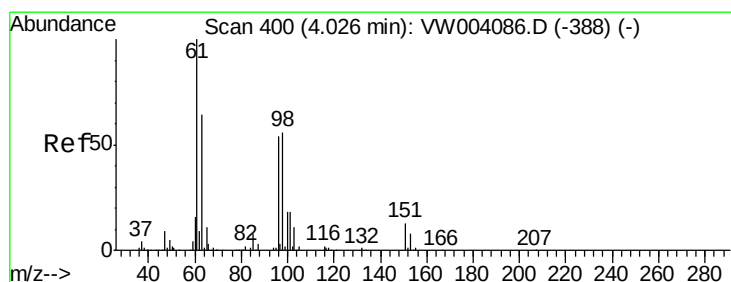
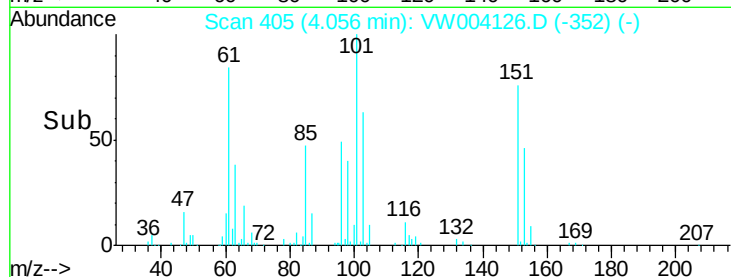
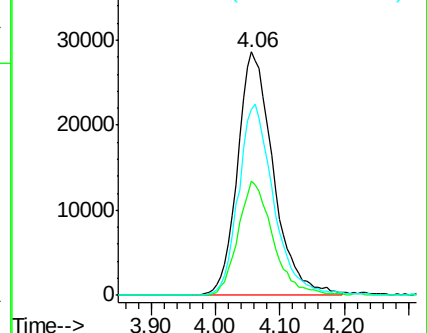
151 76.7 59.5 89.3



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: 24.154 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

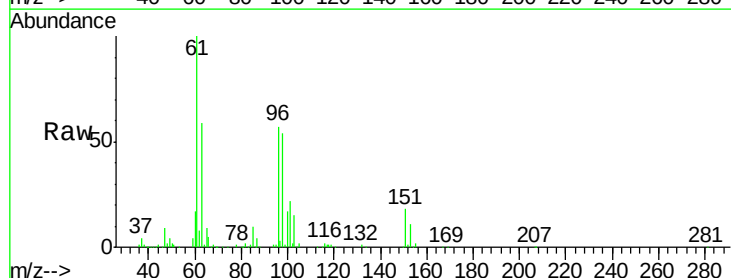
Tgt Ion: 96 Resp: 102828

Ion Ratio Lower Upper

96 100

61 176.6 127.3 236.5

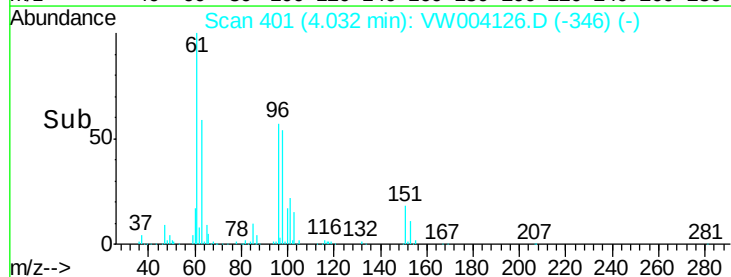
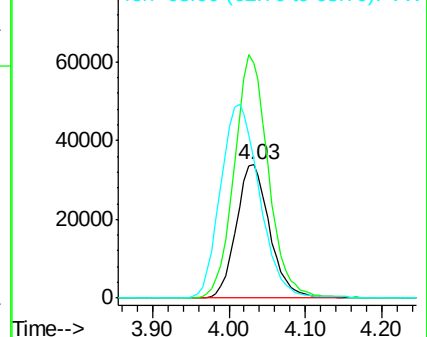
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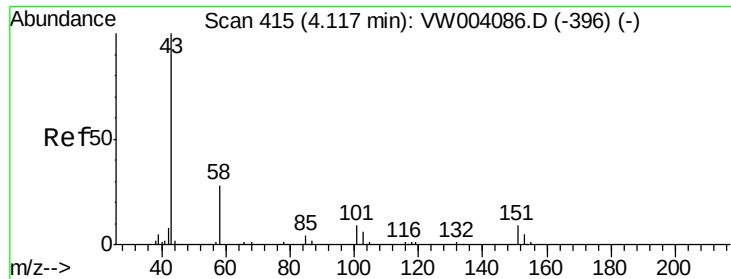


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.724 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

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Acq: 21 Jul 2018 20:33

Instrument :

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ClientSampleId :

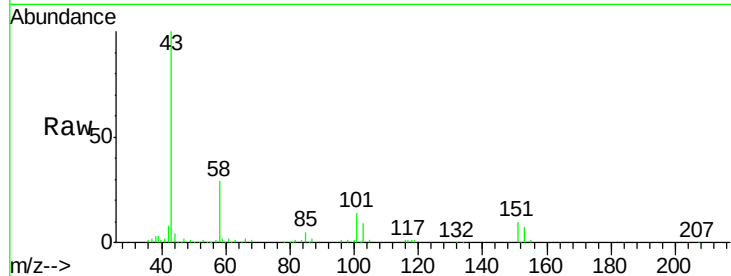
VSTD02596

Tgt Ion: 43 Resp: 86163

Ion Ratio Lower Upper

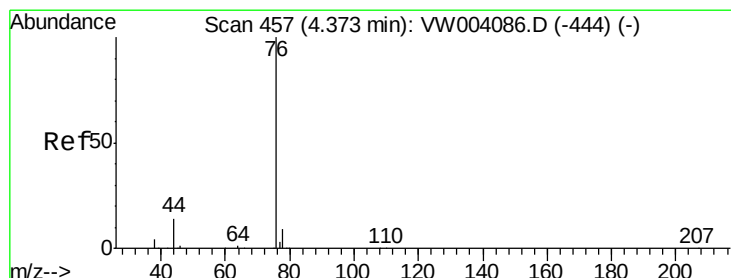
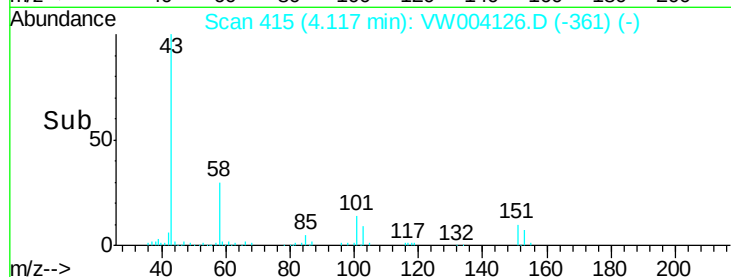
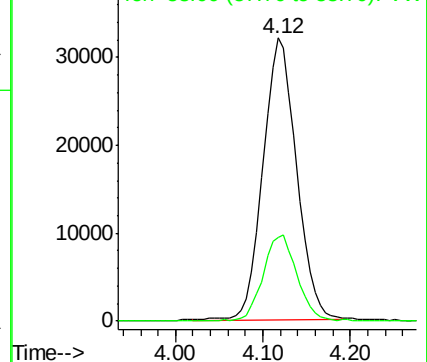
43 100

58 30.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.573 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004126.D

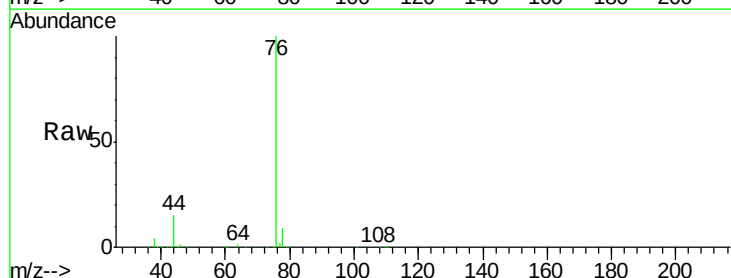
Acq: 21 Jul 2018 20:33

Tgt Ion: 76 Resp: 324661

Ion Ratio Lower Upper

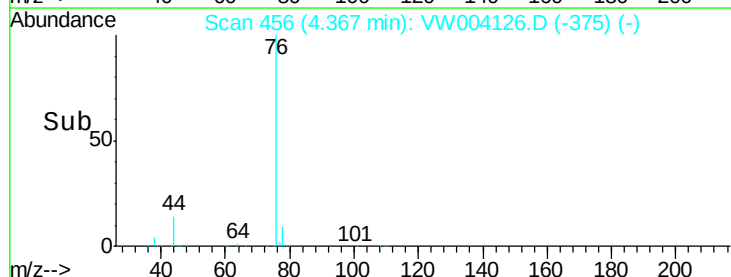
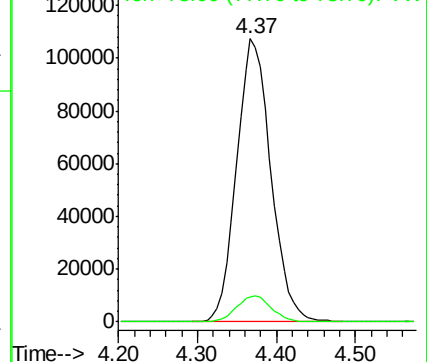
76 100

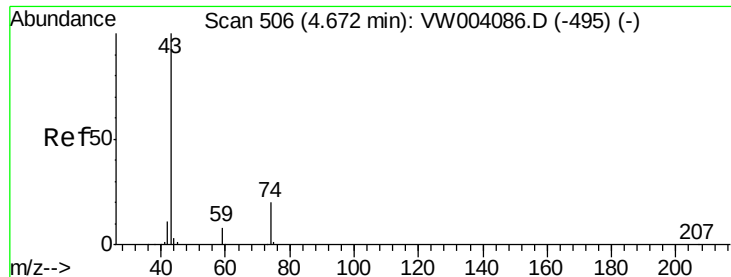
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

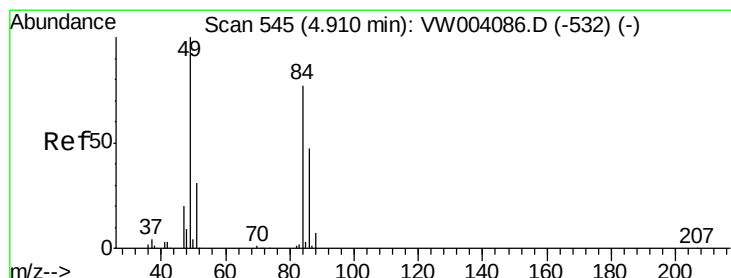
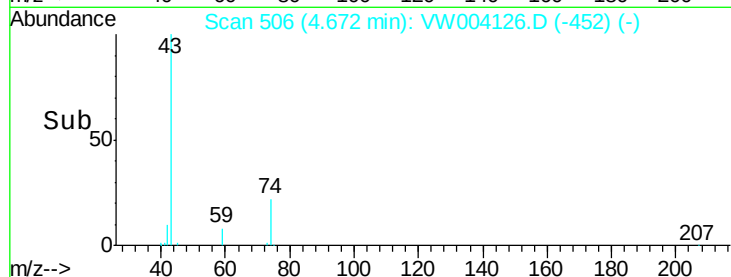
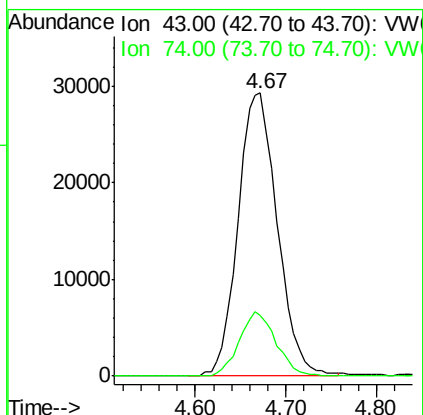
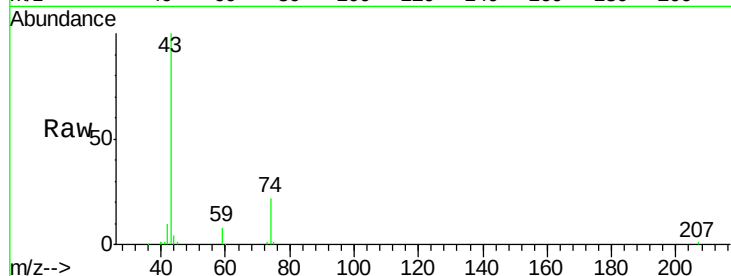




#15
Methyl Acetate
Concen: 25.512 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

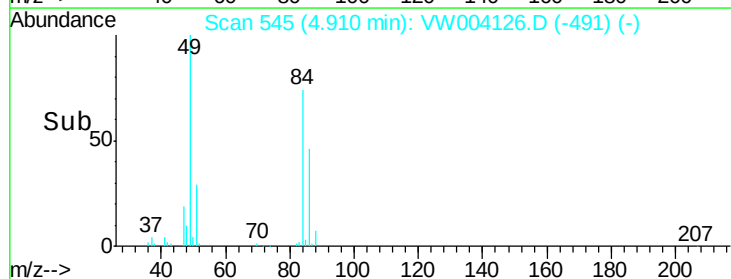
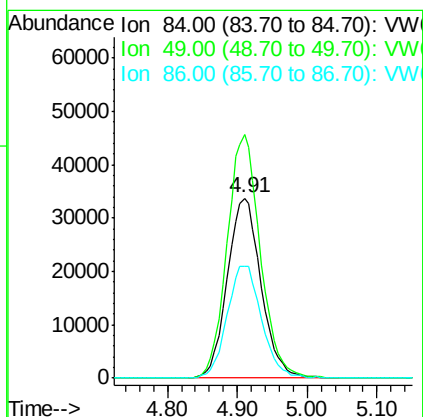
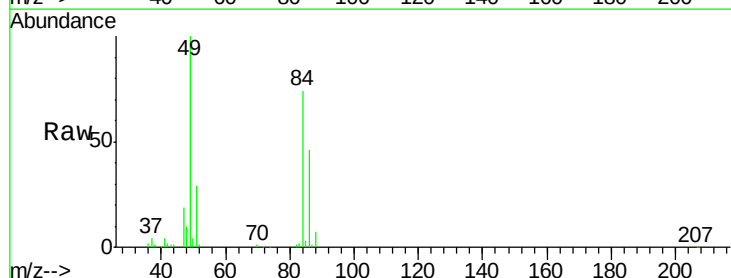
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

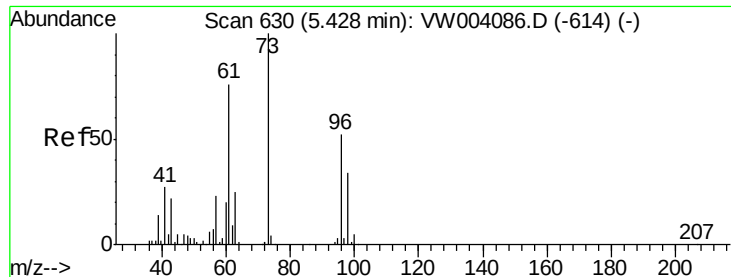
Tgt Ion: 43 Resp: 87773
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8



#16
Methylene chloride
Concen: 18.395 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Tgt Ion: 84 Resp: 112862
Ion Ratio Lower Upper
84 100
49 135.5 94.2 175.0
86 61.9 45.1 83.9

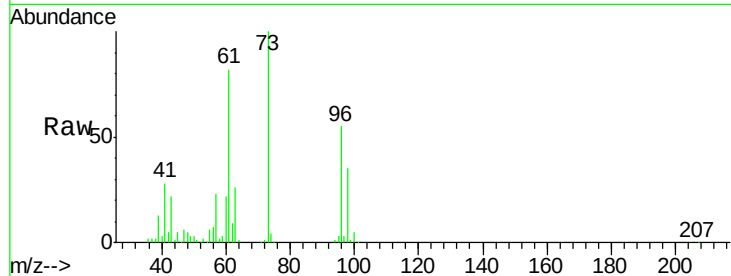




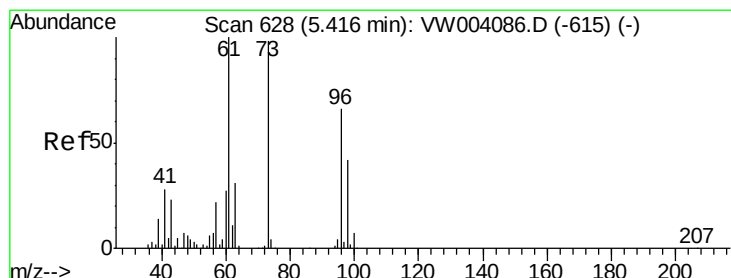
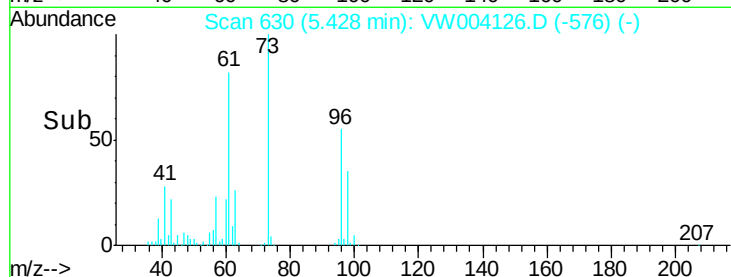
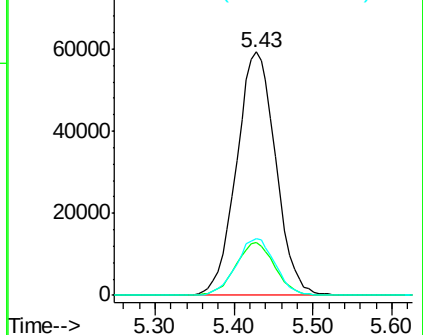
#17
Methyl tert-butyl Ether
Concen: 24.854 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

Tgt Ion: 73 Resp: 204633
Ion Ratio Lower Upper
73 100
43 21.7 18.1 27.1
57 23.2 19.0 28.4

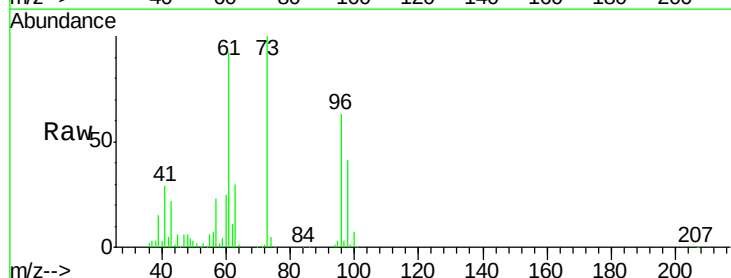


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

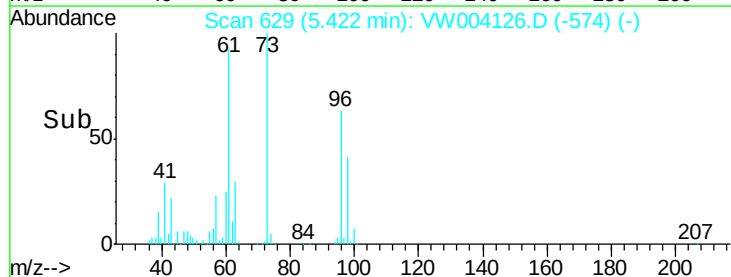
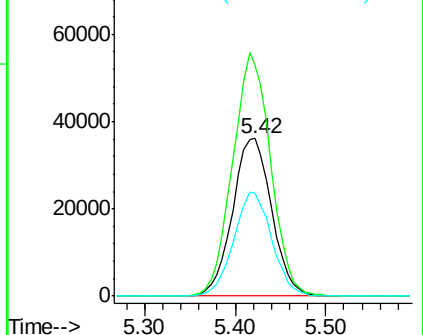


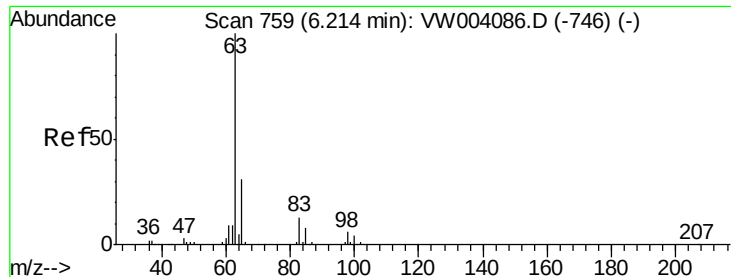
#18
trans-1,2-Dichloroethene
Concen: 24.656 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Tgt Ion: 96 Resp: 108066
Ion Ratio Lower Upper
96 100
61 146.3 99.8 185.4
98 65.5 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

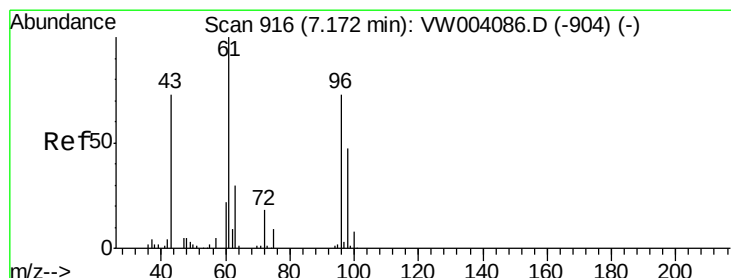
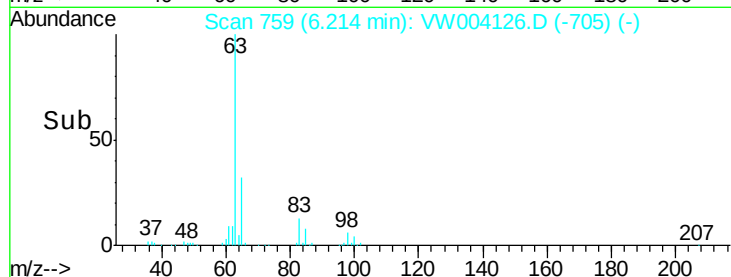
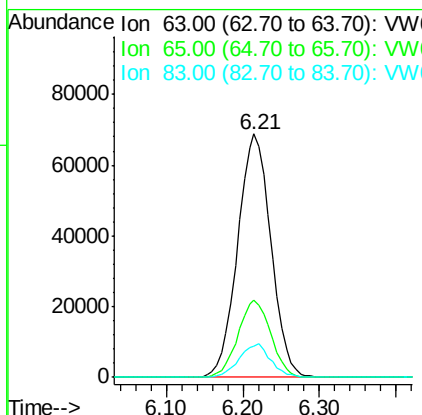
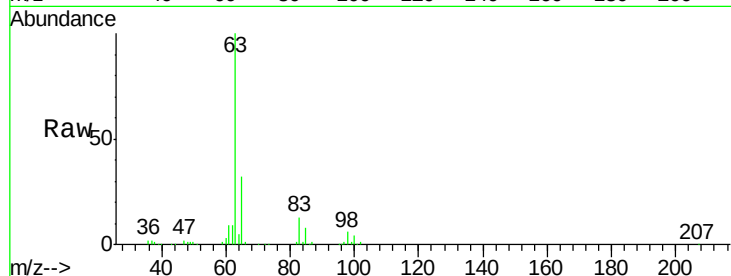




#19
 1,1-Dichloroethane
 Concen: 24.916 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

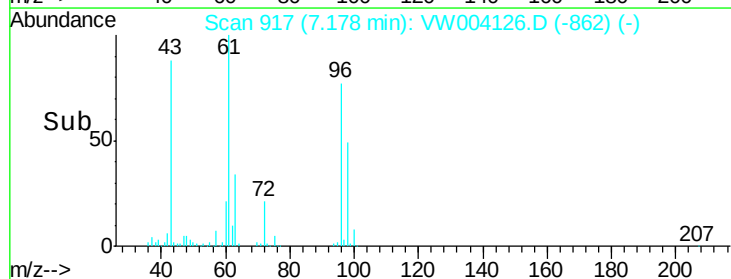
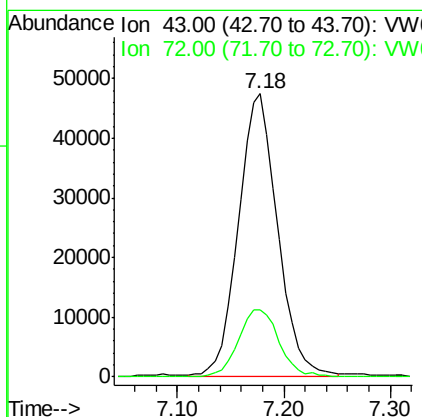
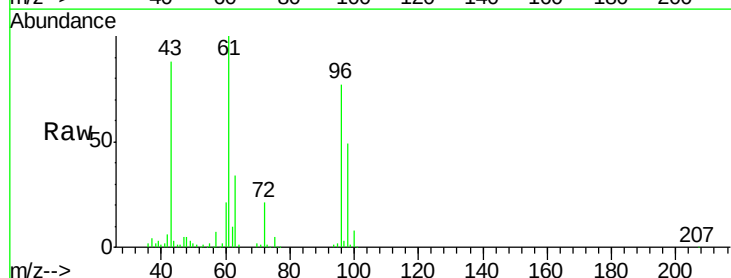
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

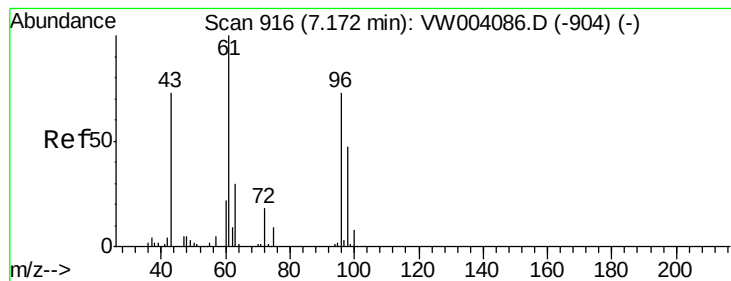
Tgt Ion: 63 Resp: 207762
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 49.044 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion: 43 Resp: 122723
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.1 36.3



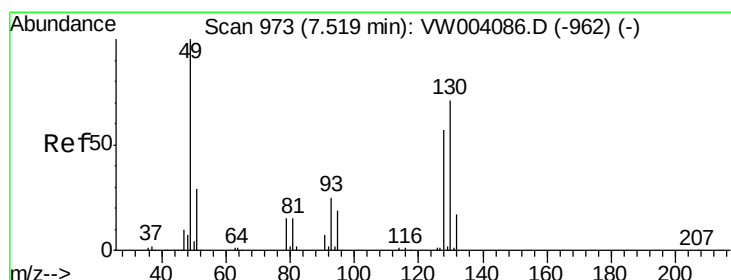
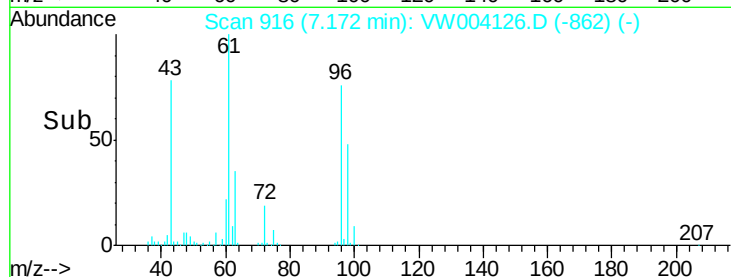
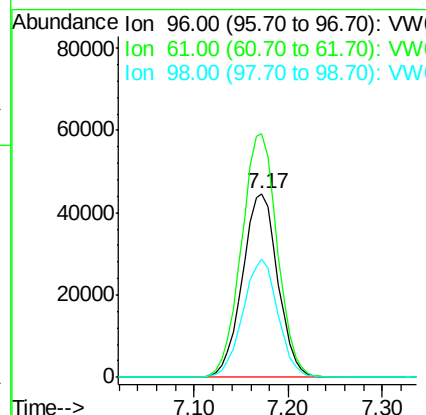
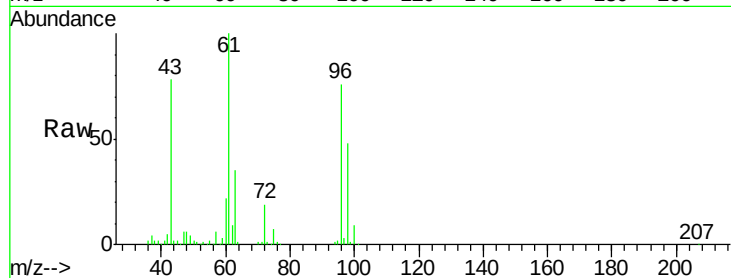


#22

cis-1,2-Dichloroethene
 Concen: 25.069 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

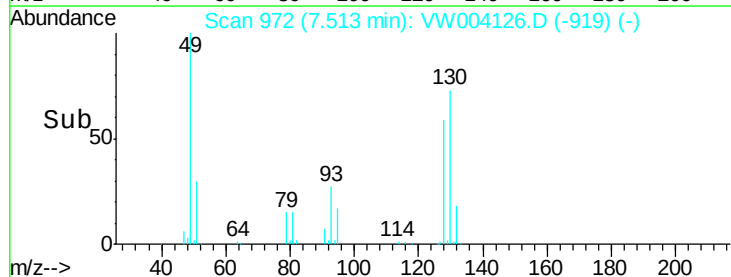
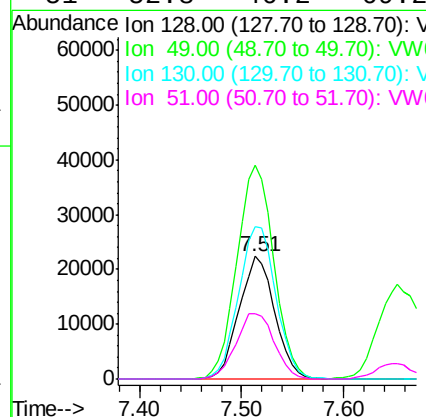
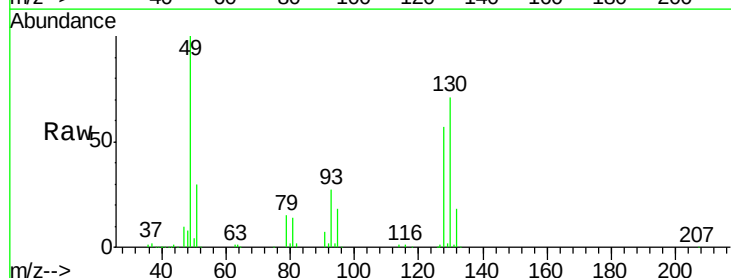
Tgt Ion: 96 Resp: 117437
 Ion Ratio Lower Upper
 96 100
 61 132.3 92.5 171.9
 98 63.9 43.0 80.0

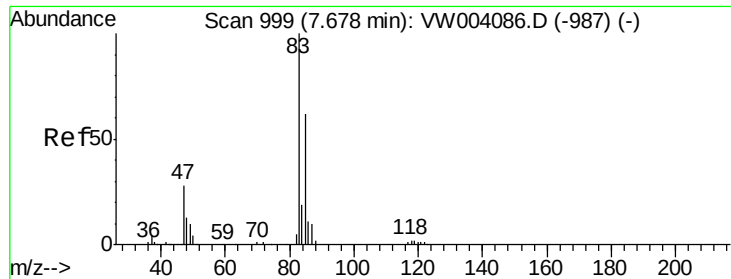


#23

Bromochloromethane
 Concen: 24.804 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion: 128 Resp: 54635
 Ion Ratio Lower Upper
 128 100
 49 174.2 126.4 234.8
 130 123.9 87.8 163.0
 51 52.8 46.2 69.2

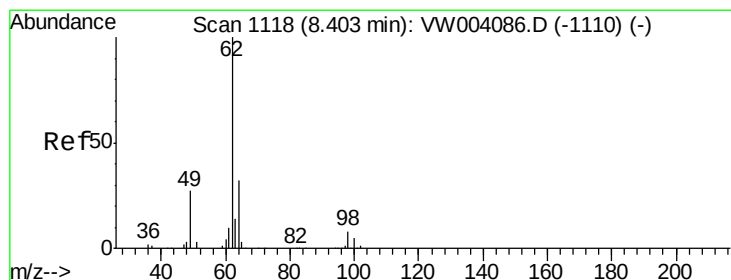
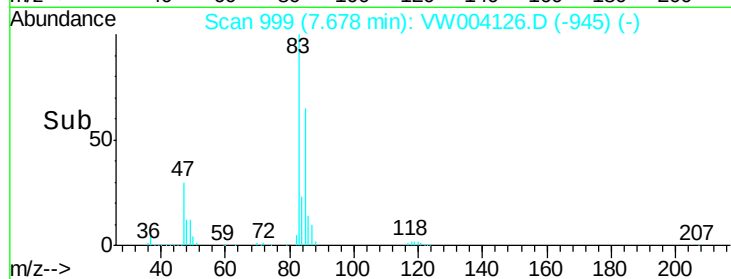
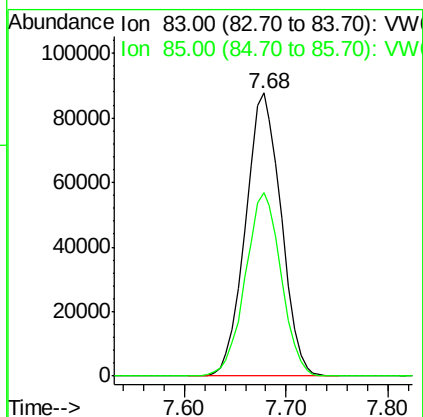
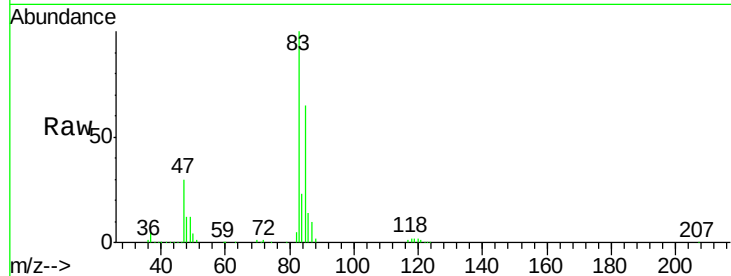




#25
Chloroform
Concen: 24.993 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

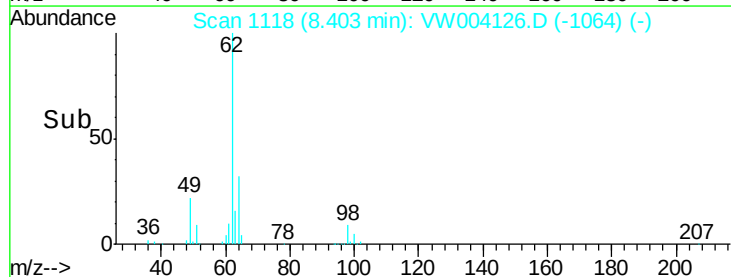
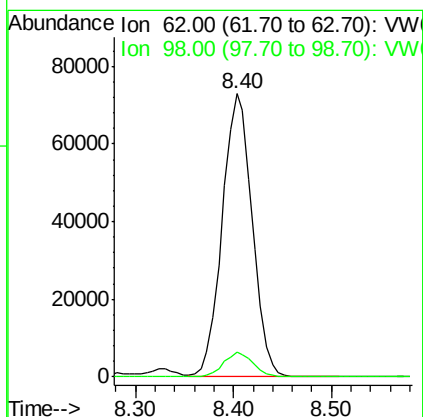
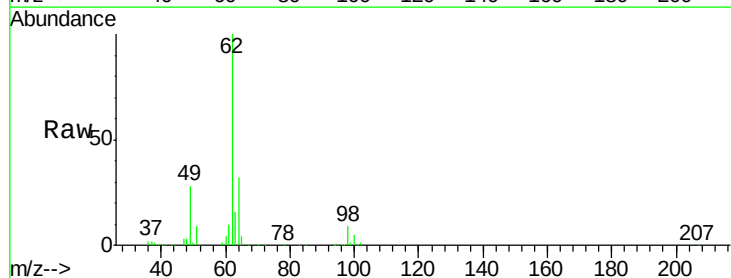
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

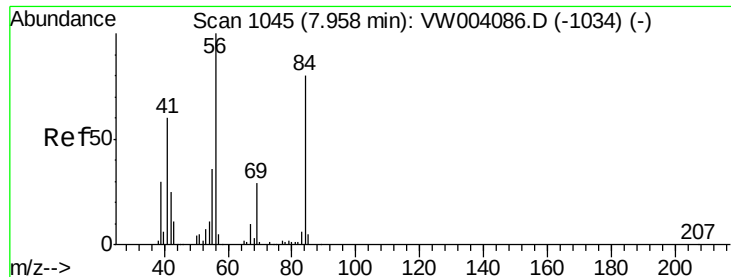
Tgt Ion: 83 Resp: 212809
Ion Ratio Lower Upper
83 100
85 65.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 24.685 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Tgt Ion: 62 Resp: 154916
Ion Ratio Lower Upper
62 100
98 8.6 6.2 9.4

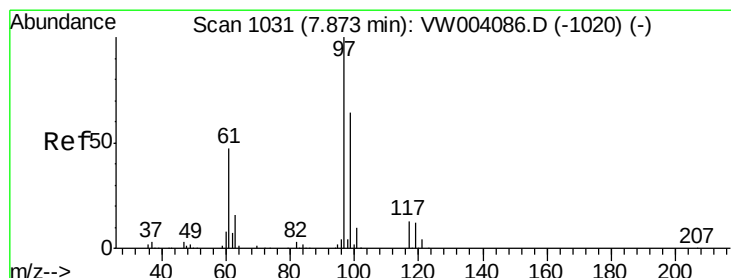
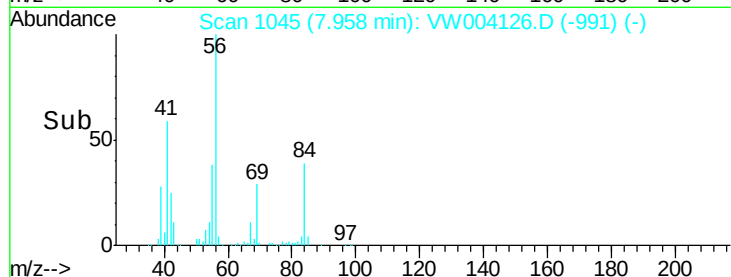
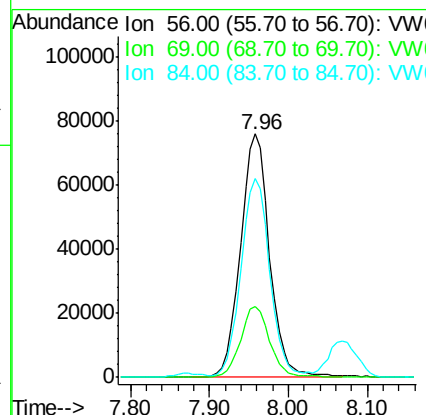
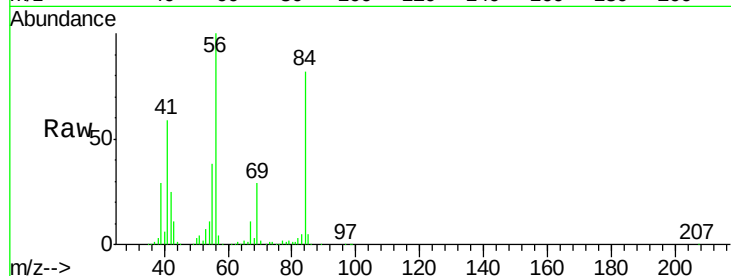




#30
Cyclohexane
Concen: 26.905 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

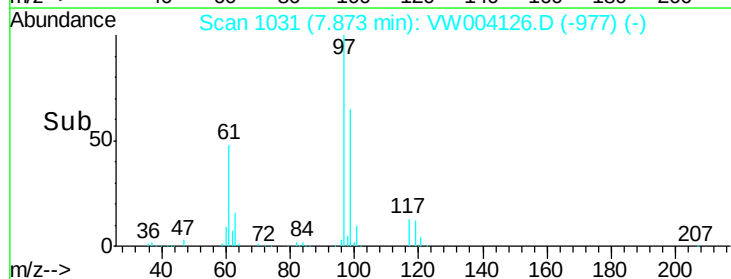
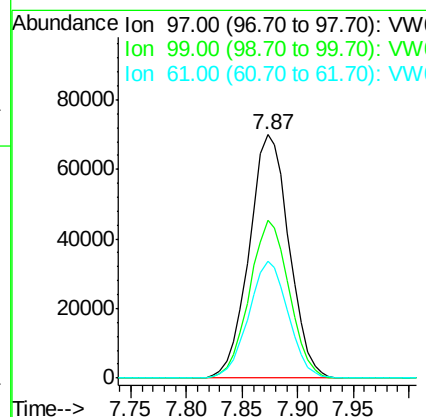
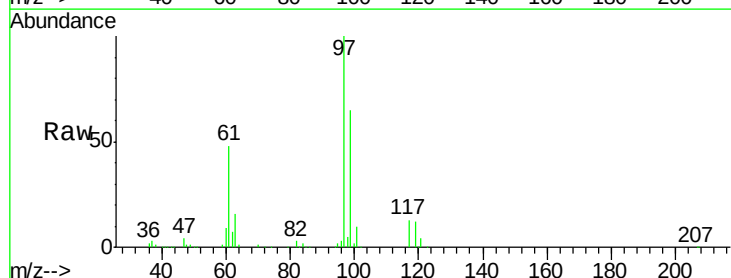
Instrument :
MSVOA_W
ClientSampled :
VSTD02596

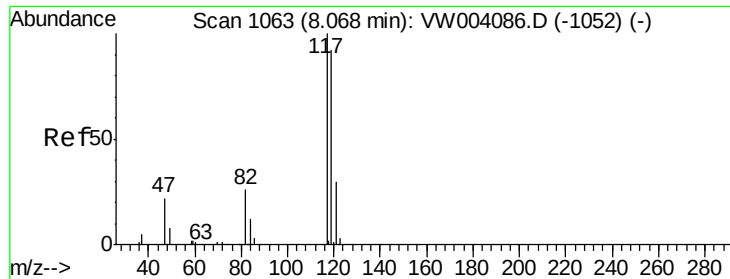
Tgt Ion: 56 Resp: 194863
Ion Ratio Lower Upper
56 100
69 29.1 22.8 34.2
84 81.2 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 25.869 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Tgt Ion: 97 Resp: 174715
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 47.6 38.6 57.8





#32

Carbon tetrachloride

Concen: 25.622 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

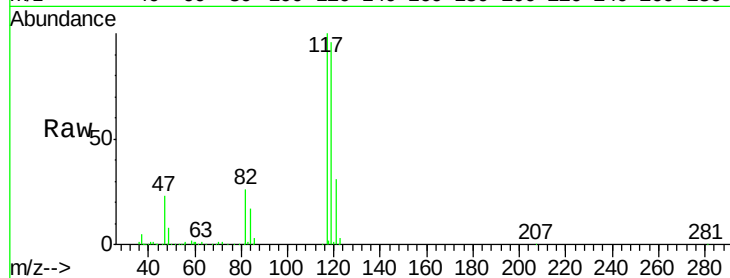
VSTD02596

Tgt Ion:117 Resp: 166955

Ion Ratio Lower Upper

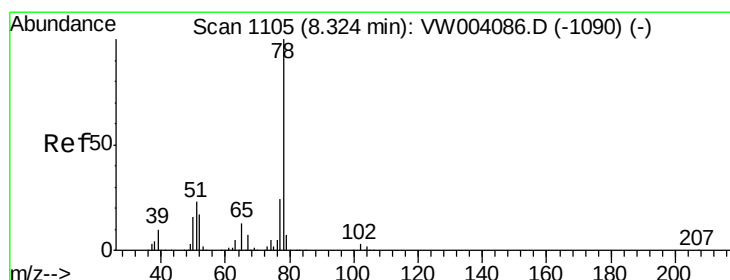
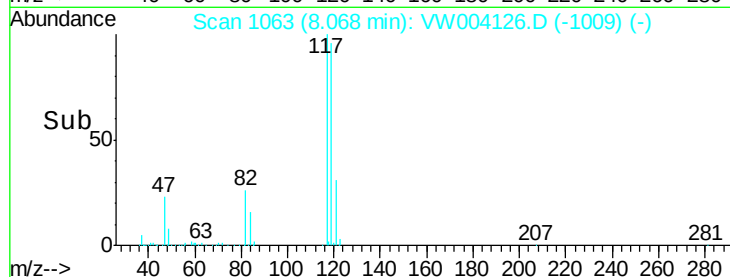
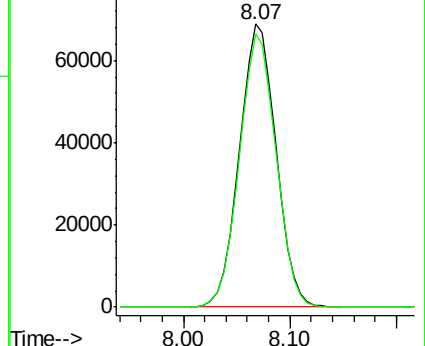
117 100

119 96.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.926 ug/L

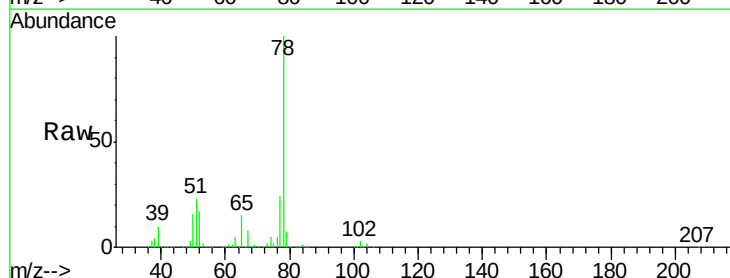
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

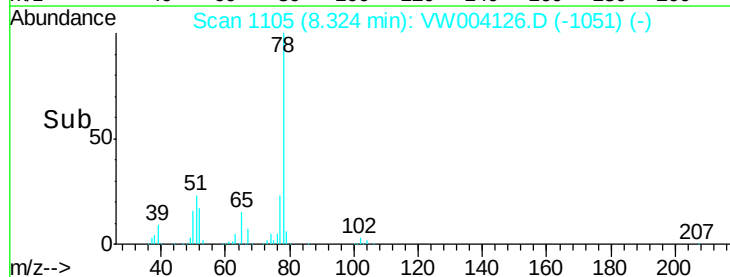
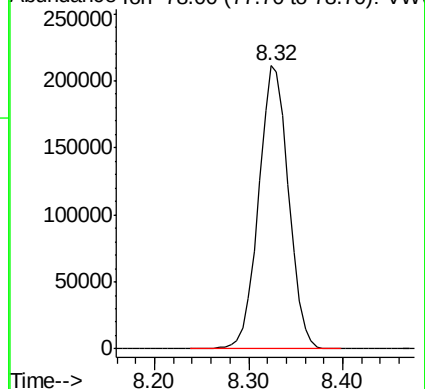
Lab File: VW004126.D

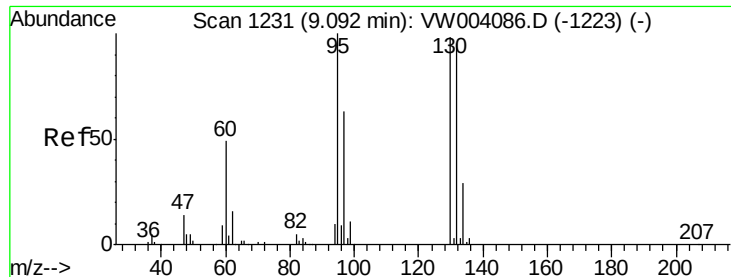
Acq: 21 Jul 2018 20:33

Tgt Ion: 78 Resp: 471924



Abundance Ion 78.00 (77.70 to 78.70): VW

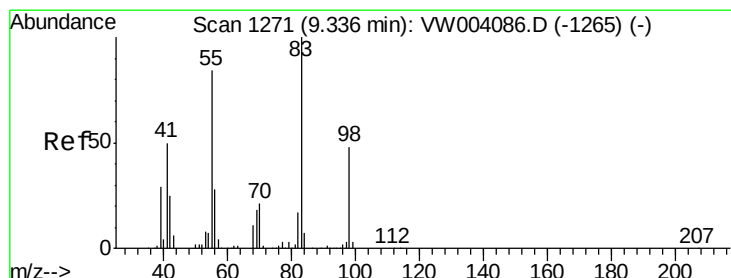
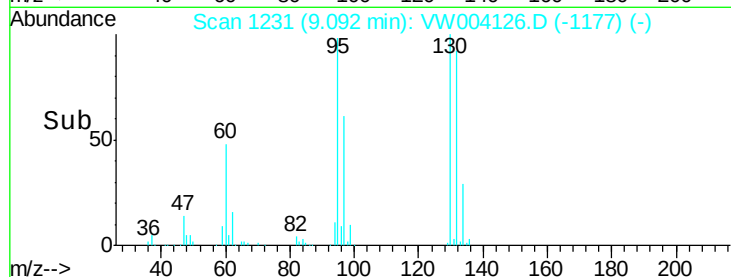
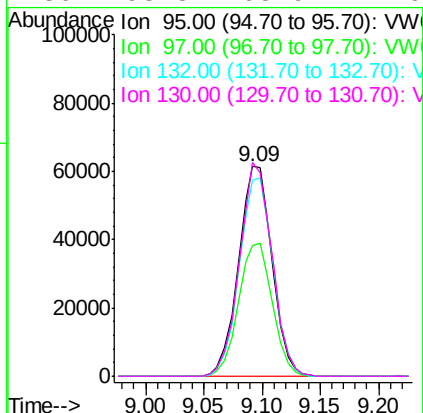
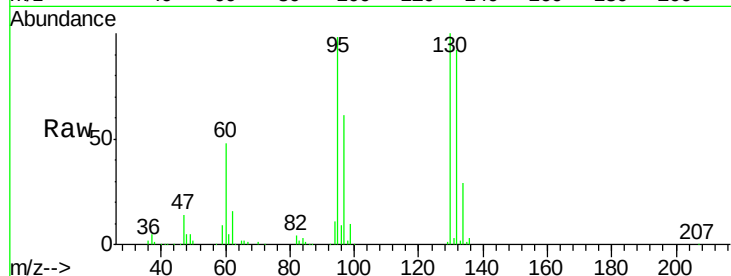




#35
 Trichloroethene
 Concen: 25.239 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

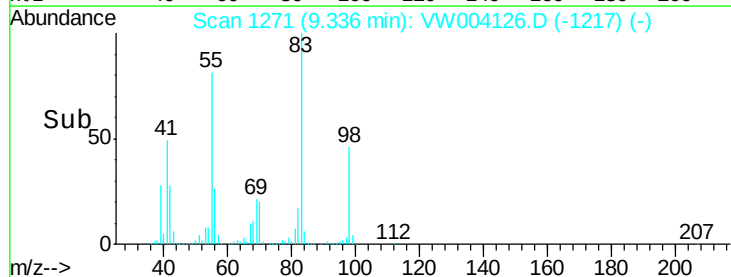
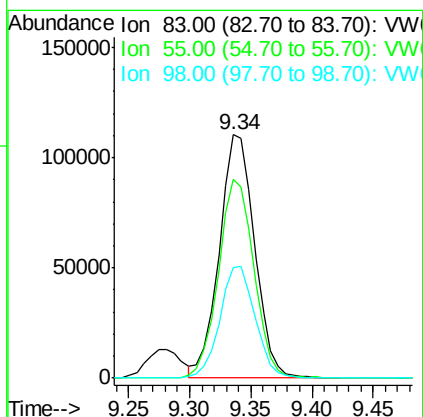
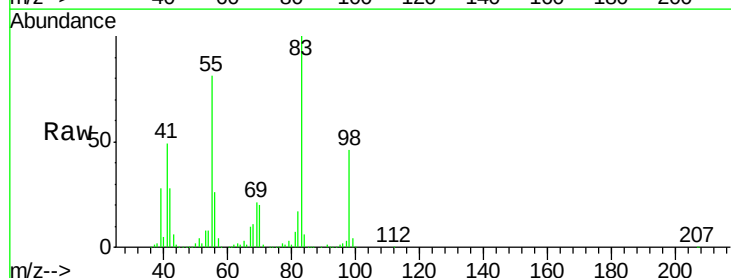
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

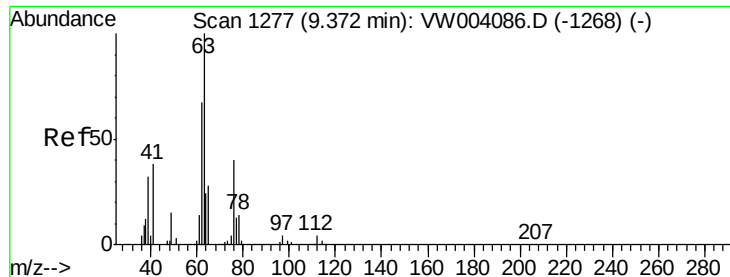
Tgt Ion:	95	Resp:	122921
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	95.1	66.1	122.7
130	98.8	68.9	127.9



#36
 Methylcyclohexane
 Concen: 27.468 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion:	83	Resp:	221114
Ion	Ratio	Lower	Upper
83	100		
55	82.1	65.8	98.6
98	46.0	37.0	55.6

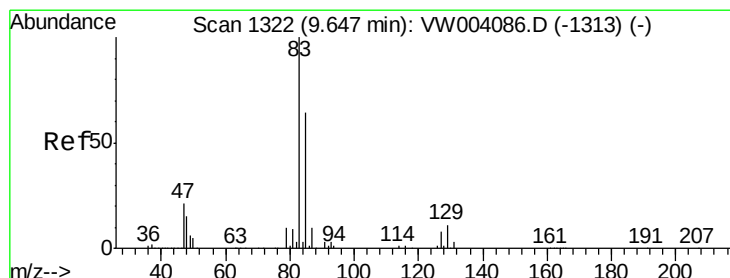
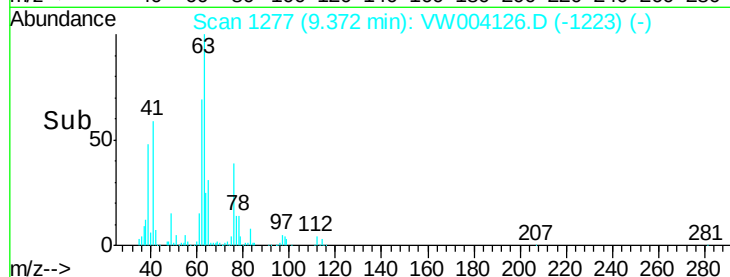
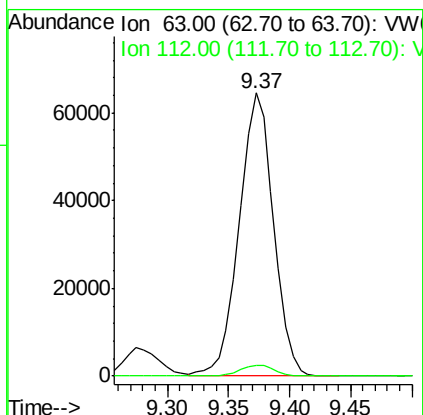
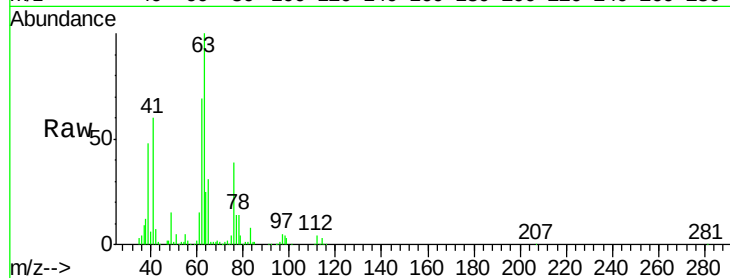




#40
 1,2-Dichloropropane
 Concen: 25.447 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

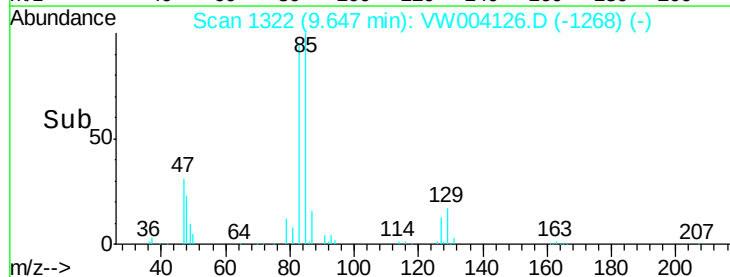
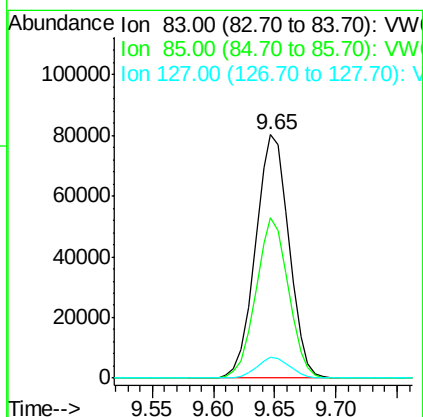
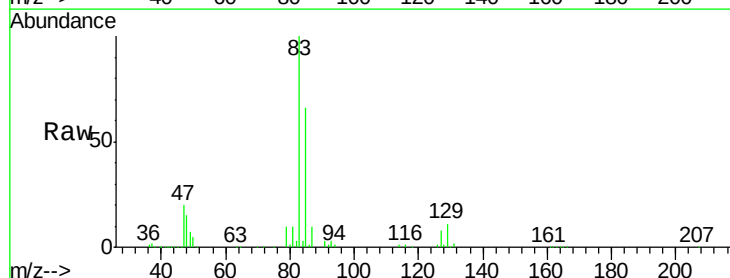
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

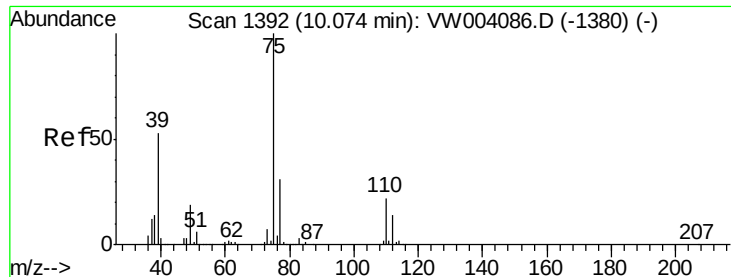
Tgt Ion: 63 Resp: 125573
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#41
 Bromodichloromethane
 Concen: 25.143 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion: 83 Resp: 152761
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.7 82.9
 127 8.5 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.889 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampled :

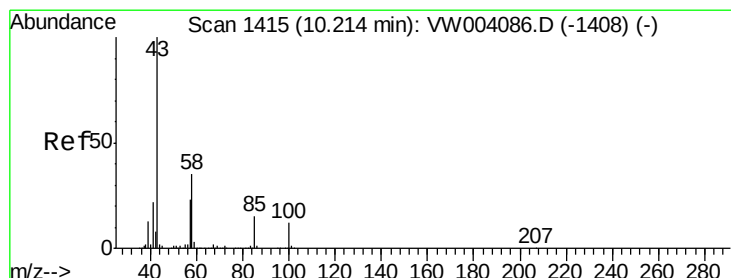
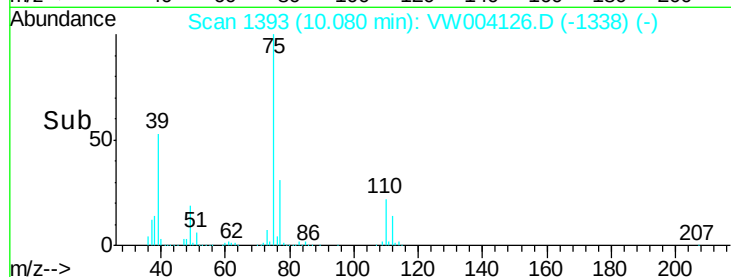
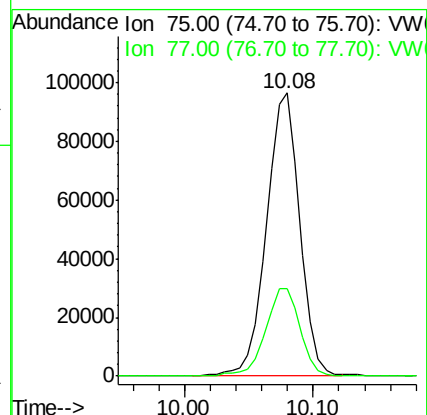
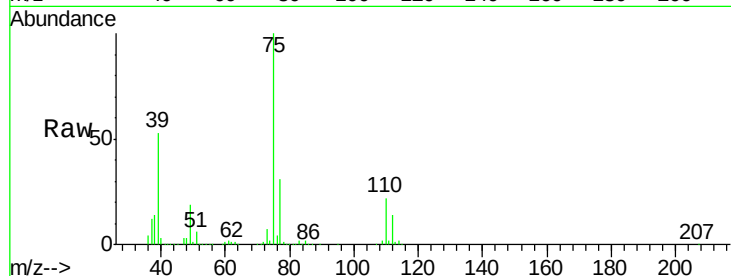
VSTD02596

Tgt Ion: 75 Resp: 173059

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 55.677 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

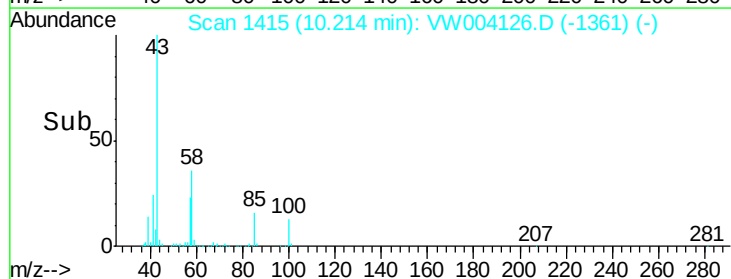
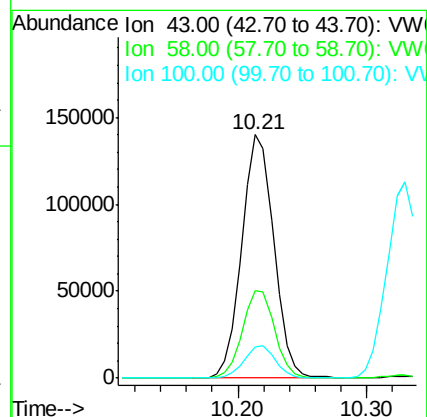
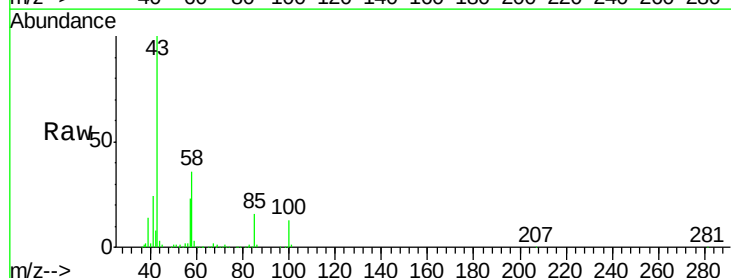
Tgt Ion: 43 Resp: 241532

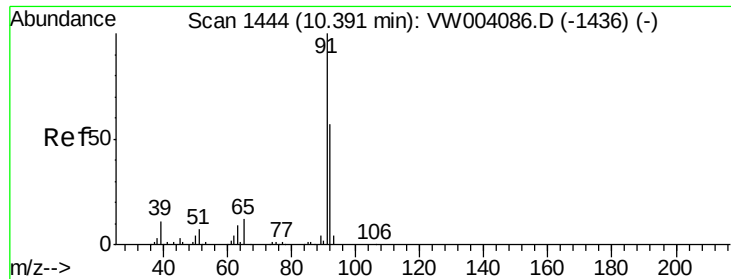
Ion Ratio Lower Upper

43 100

58 35.9 29.4 44.2

100 13.0 10.8 16.2





#44

Toluene

Concen: 26.568 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

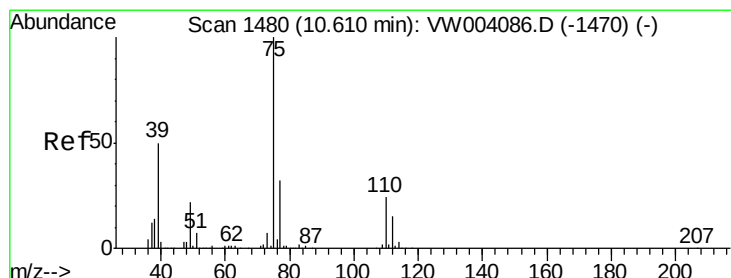
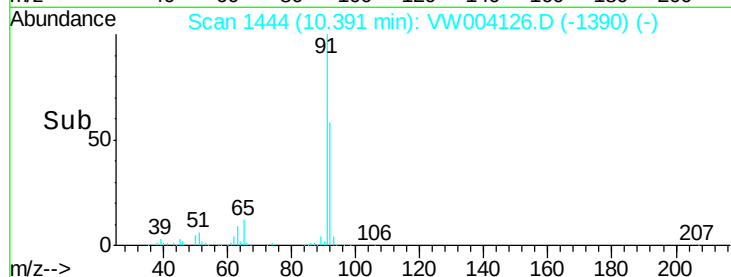
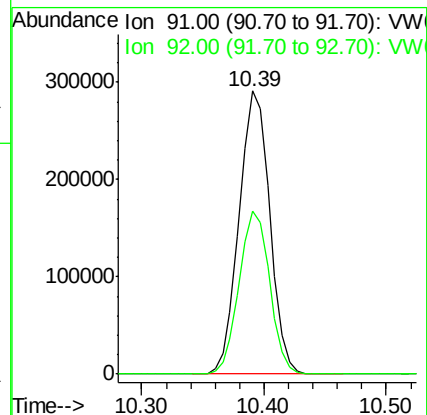
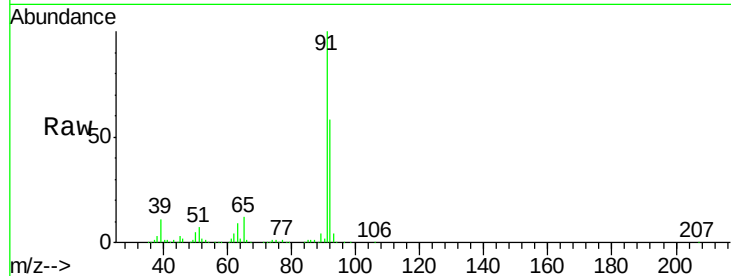
VSTD02596

Tgt Ion: 91 Resp: 506770

Ion Ratio Lower Upper

91 100

92 57.6 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.503 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004126.D

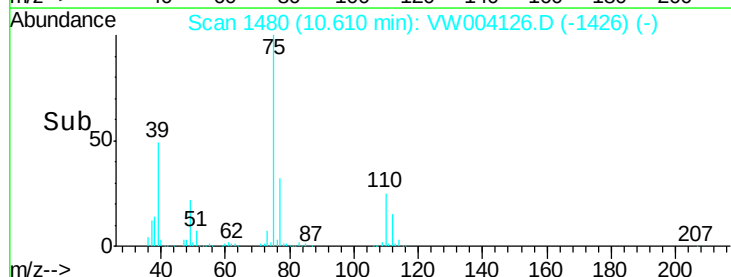
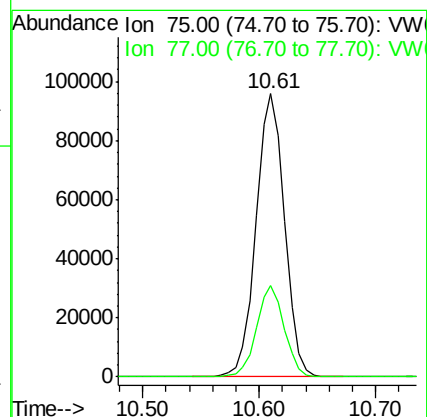
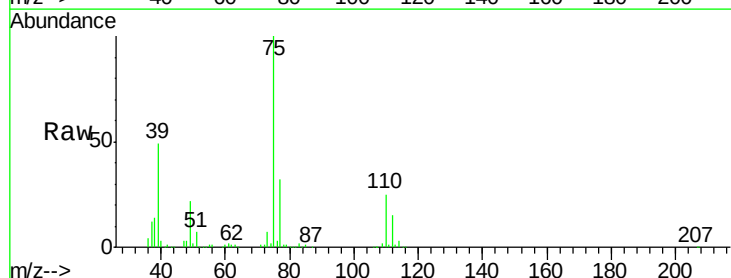
Acq: 21 Jul 2018 20:33

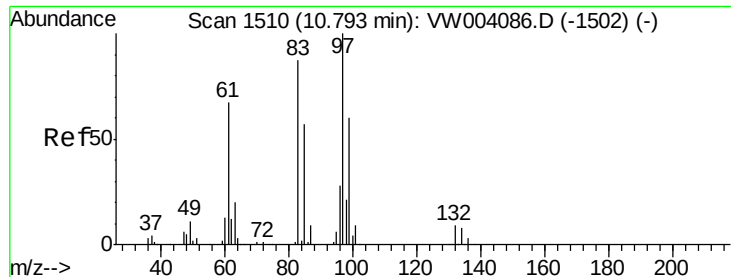
Tgt Ion: 75 Resp: 163564

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7



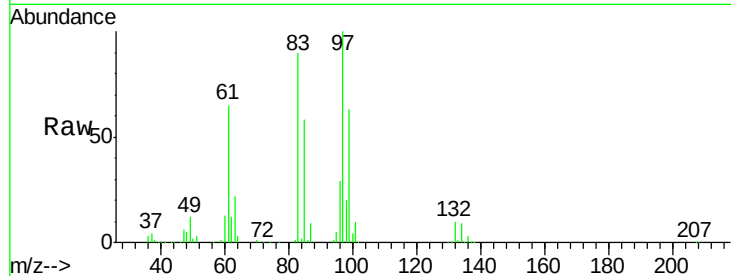


#46
 1,1,2-Trichloroethane
 Concen: 24.905 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Tgt Ion: 97 Resp: 95514

Ion	Ratio	Lower	Upper
97	100		
83	89.9	59.4	110.4
85	57.7	40.0	74.2
99	62.7	43.3	80.5



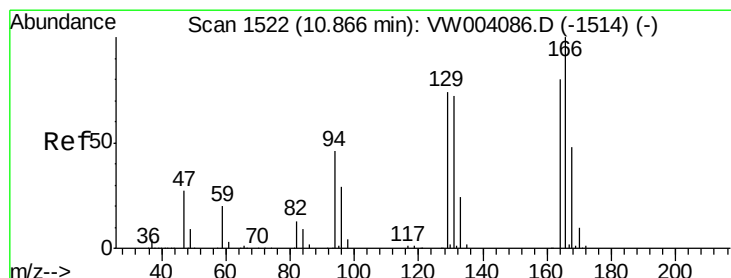
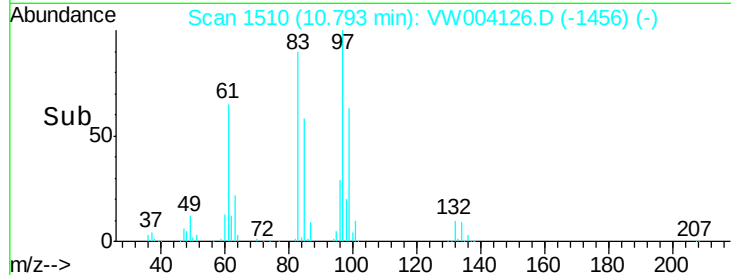
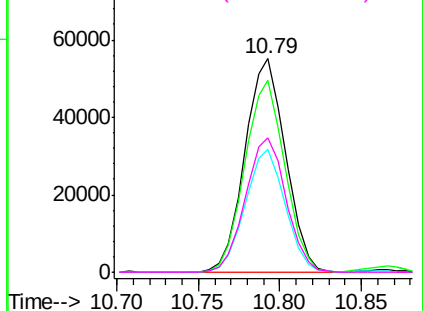
Abundance

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: 25.261 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion: 164 Resp: 99226

Ion	Ratio	Lower	Upper
164	100		
129	92.8	63.1	117.3
131	90.7	62.8	116.6
166	126.3	84.6	157.2

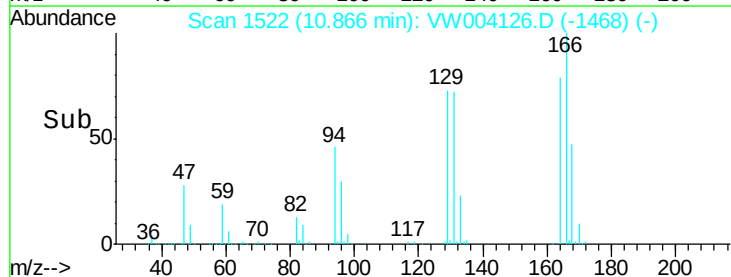
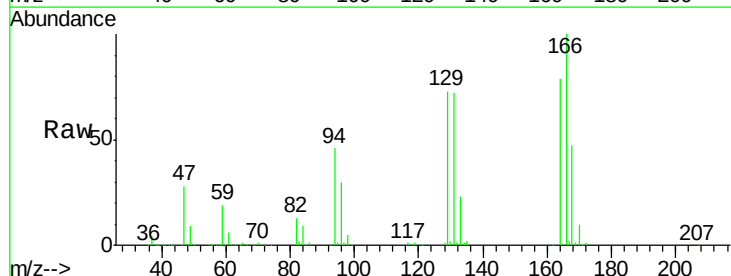
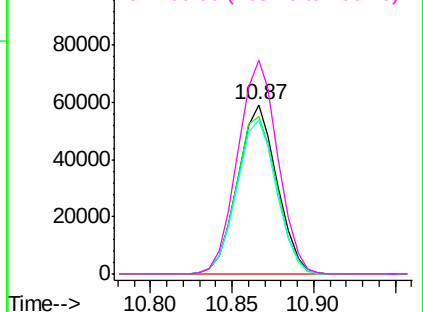
Abundance

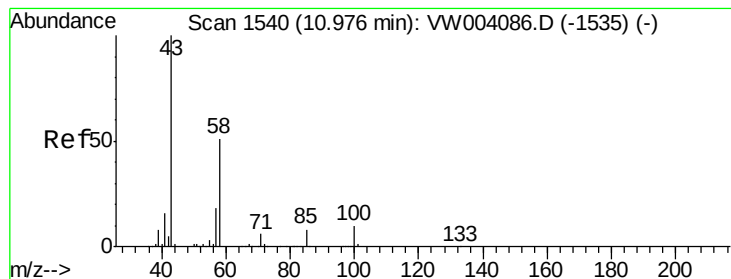
Ion 164.00 (163.70 to 164.70): V

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: 55.449 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

Tgt Ion: 43 Resp: 186225

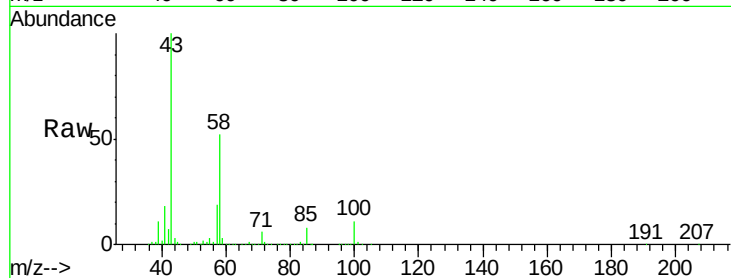
Ion Ratio Lower Upper

43 100

58 51.2 40.4 60.6

57 17.7 14.0 21.0

100 10.4 8.2 12.2

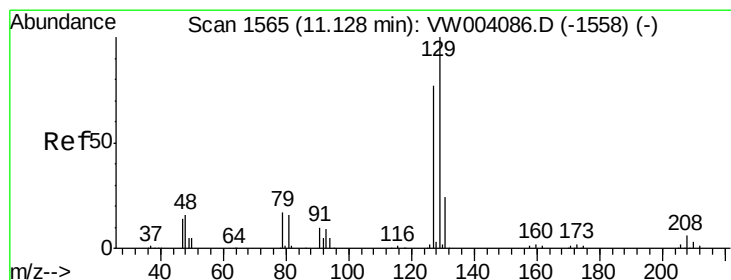
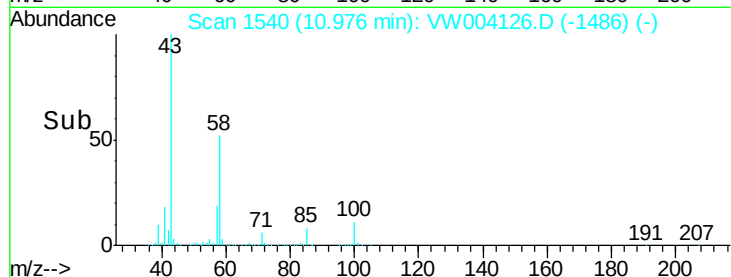
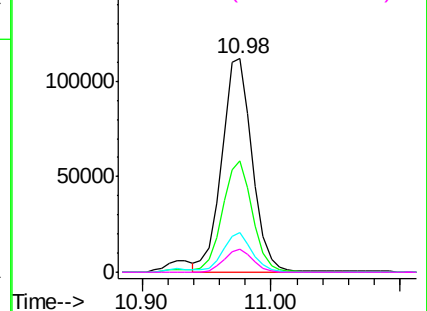


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.005 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW004126.D

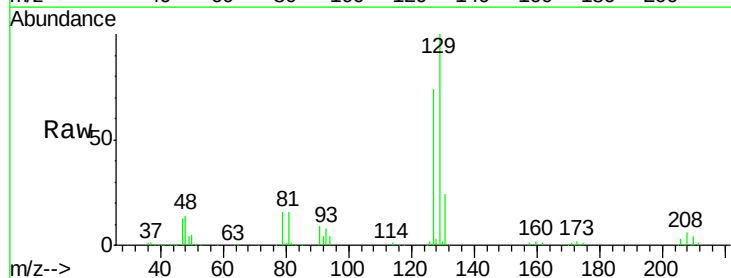
Acq: 21 Jul 2018 20:33

Tgt Ion: 129 Resp: 111727

Ion Ratio Lower Upper

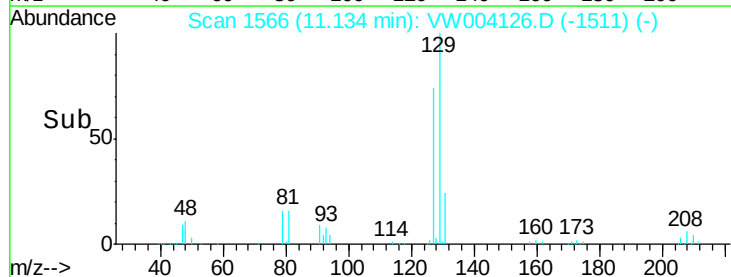
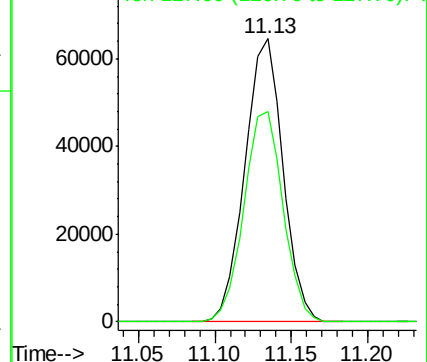
129 100

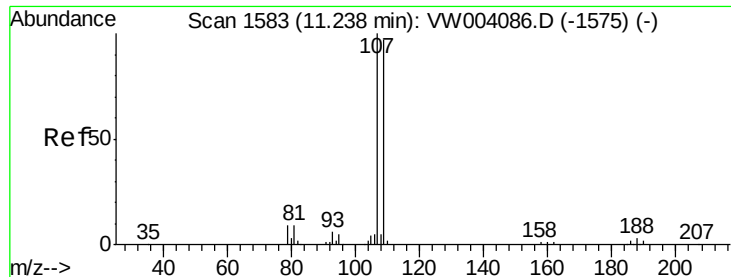
127 74.2 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

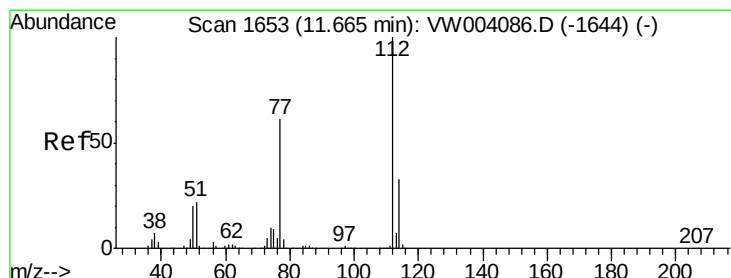
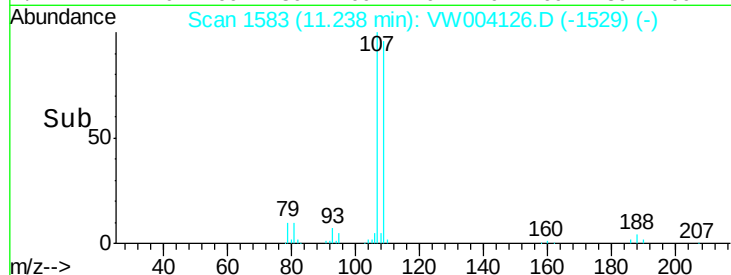
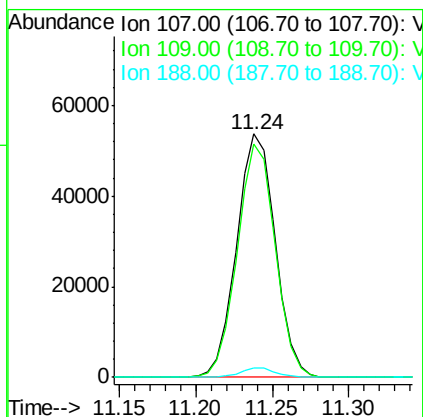
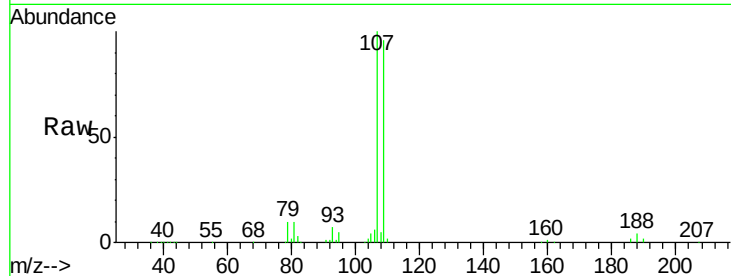




#51
1,2-Dibromoethane
Concen: 25.071 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

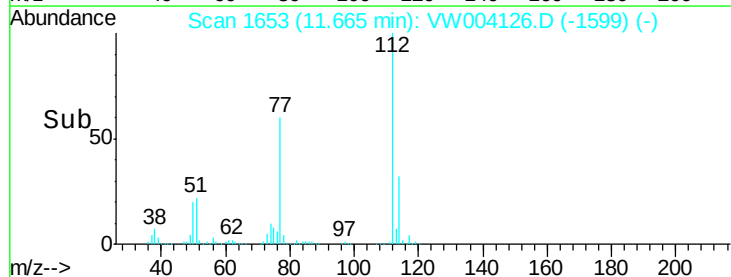
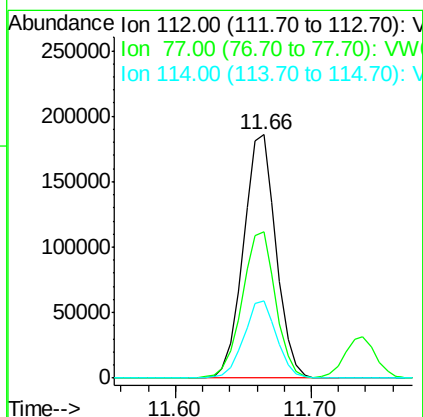
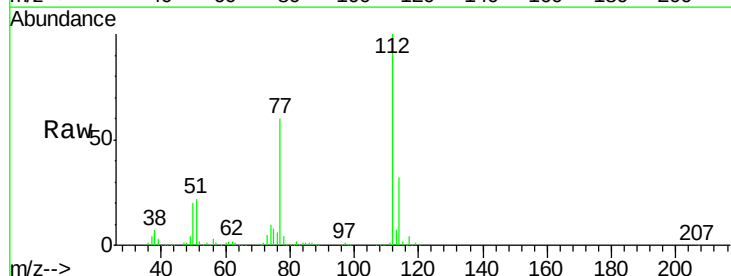
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

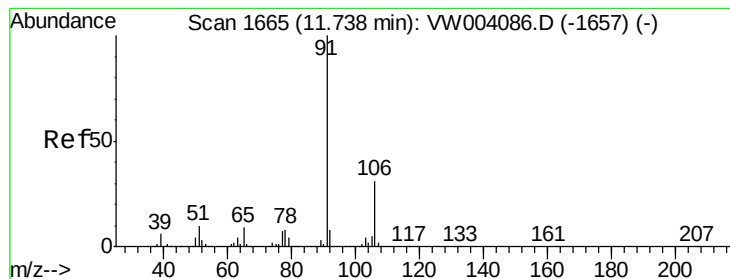
Tgt Ion:107 Resp: 93907
Ion Ratio Lower Upper
107 100
109 96.0 65.2 121.0
188 3.9 2.9 4.3



#52
Chlorobenzene
Concen: 25.410 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004126.D
Acq: 21 Jul 2018 20:33

Tgt Ion:112 Resp: 310764
Ion Ratio Lower Upper
112 100
77 60.0 47.7 71.5
114 31.7 22.2 41.2





#53

Ethylbenzene

Concen: 26.788 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

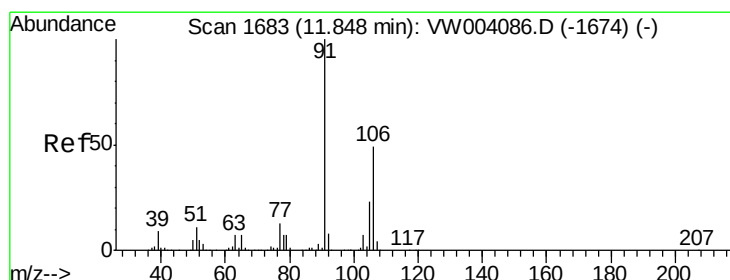
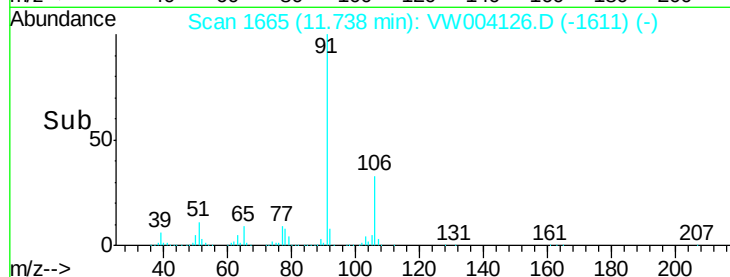
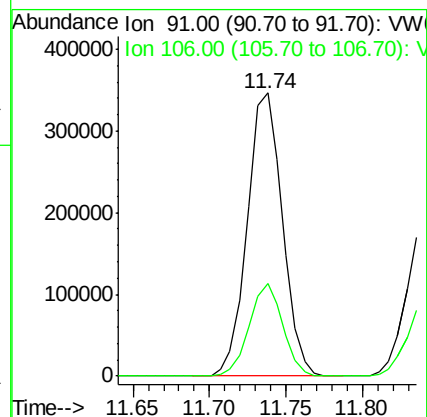
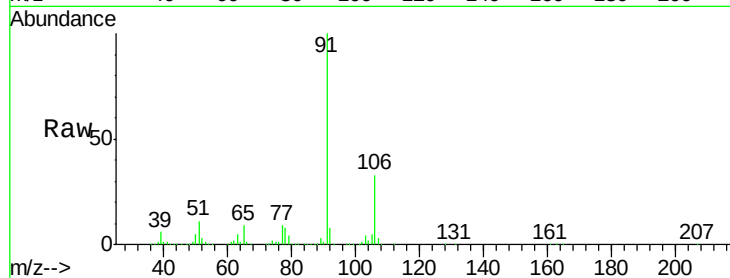
VSTD02596

Tgt Ion: 91 Resp: 553111

Ion Ratio Lower Upper

91 100

106 32.8 21.3 39.5



#54

m,p-Xylene

Concen: 27.637 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004126.D

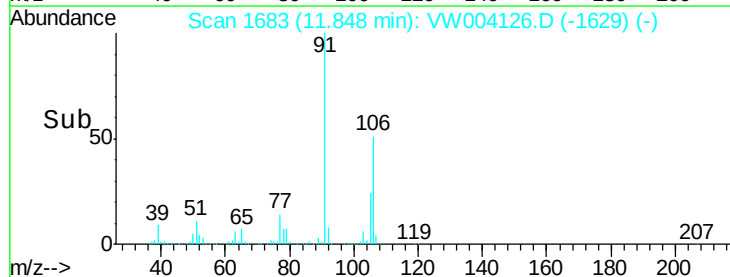
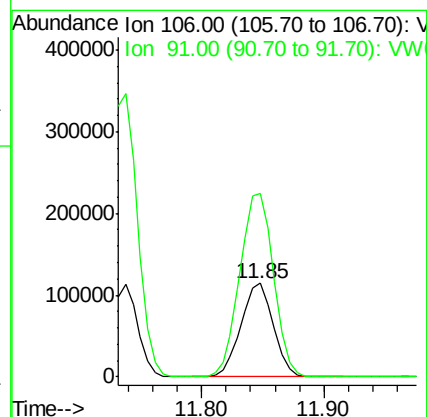
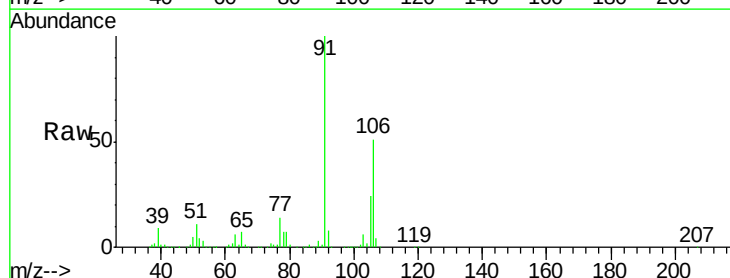
Acq: 21 Jul 2018 20:33

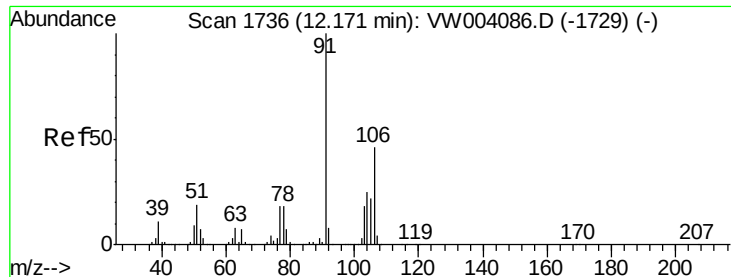
Tgt Ion: 106 Resp: 210312

Ion Ratio Lower Upper

106 100

91 195.7 142.1 263.9





#55

o-xylene

Concen: 26.607 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampled :

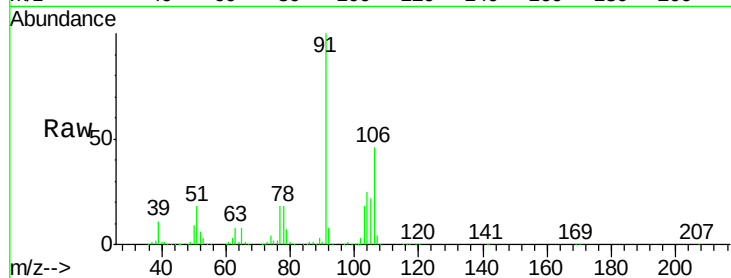
VSTD02596

Tgt Ion:106 Resp: 193667

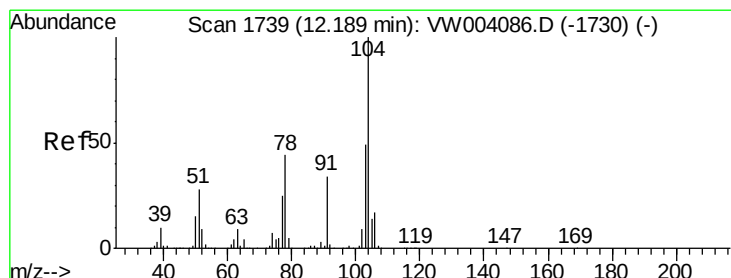
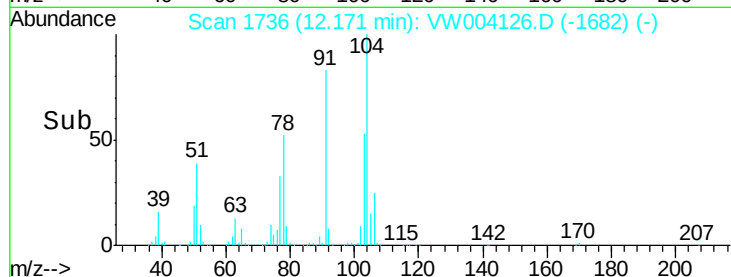
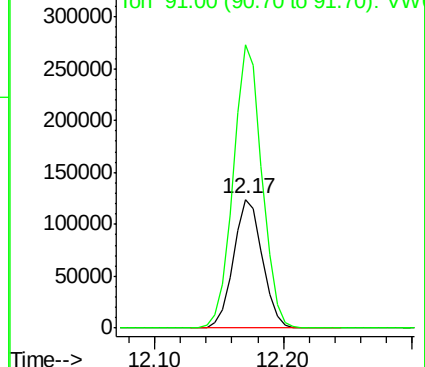
Ion Ratio Lower Upper

106 100

91 219.6 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 27.291 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004126.D

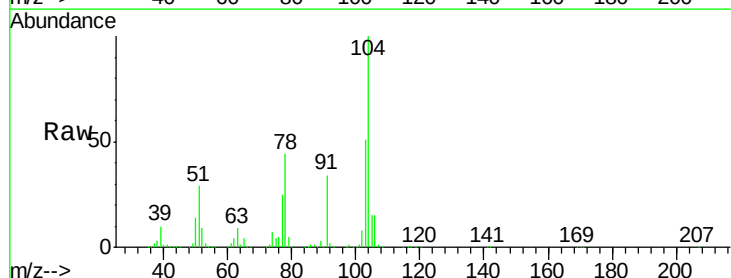
Acq: 21 Jul 2018 20:33

Tgt Ion:104 Resp: 343158

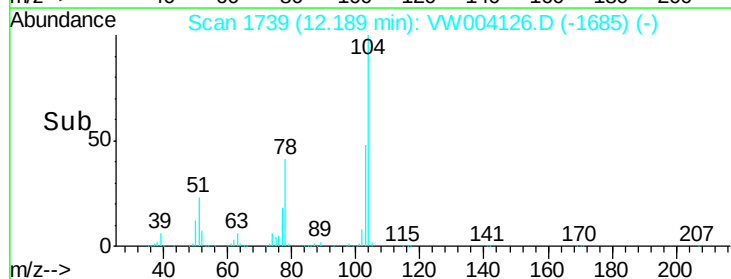
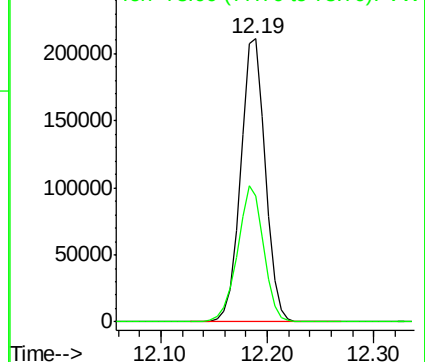
Ion Ratio Lower Upper

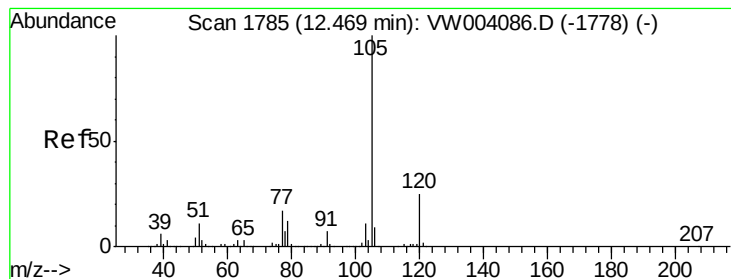
104 100

78 44.4 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 27.892 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

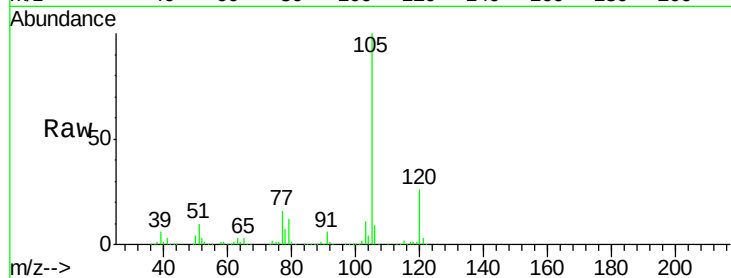
Tgt Ion: 105 Resp: 556619

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

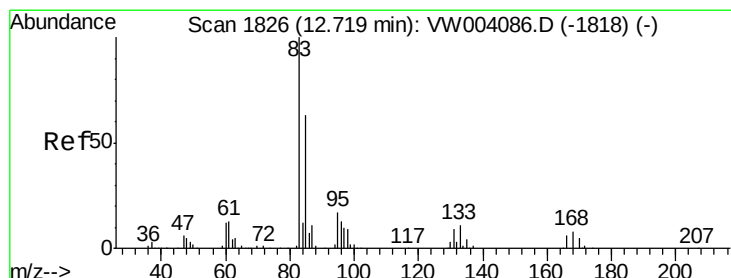
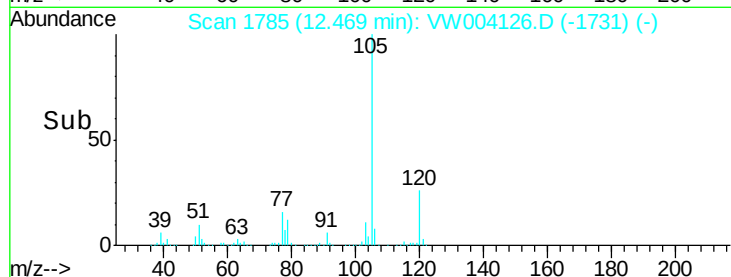
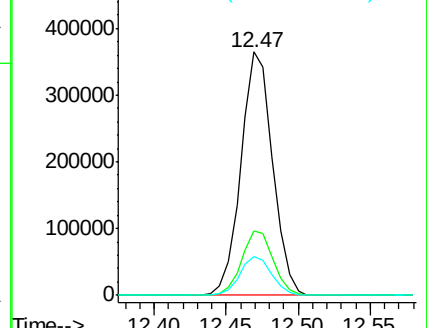
77 16.1 13.1 19.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.805 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

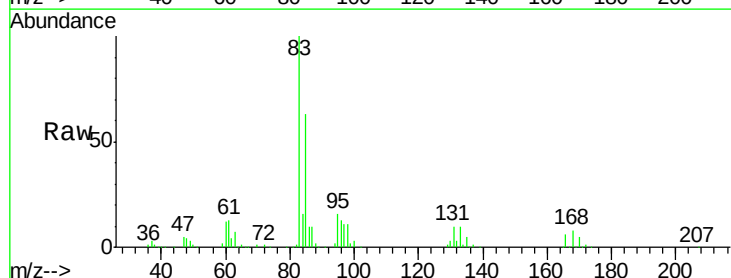
Tgt Ion: 83 Resp: 141459

Ion Ratio Lower Upper

83 100

85 62.8 44.7 83.1

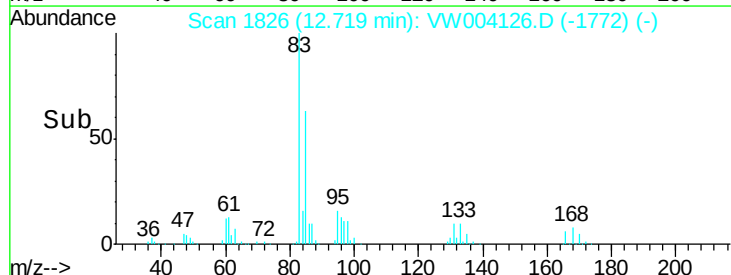
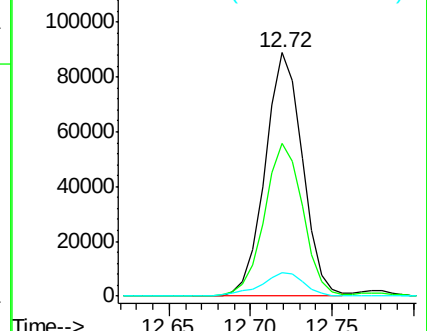
131 9.8 7.8 11.6

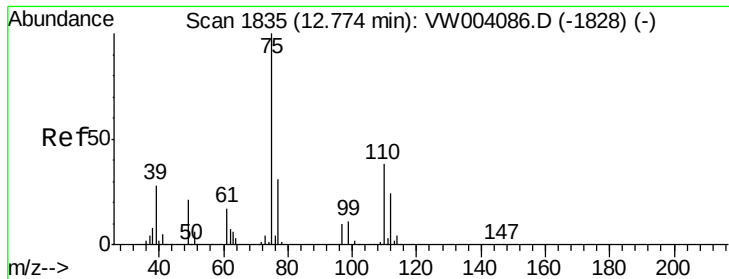


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

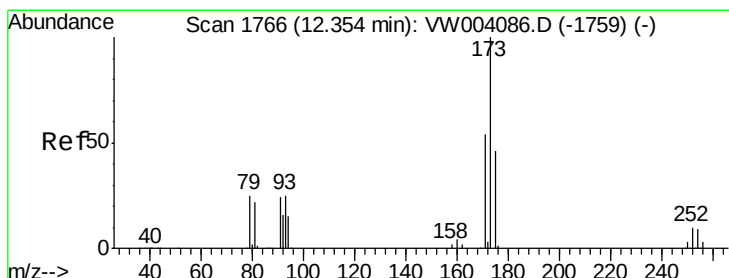
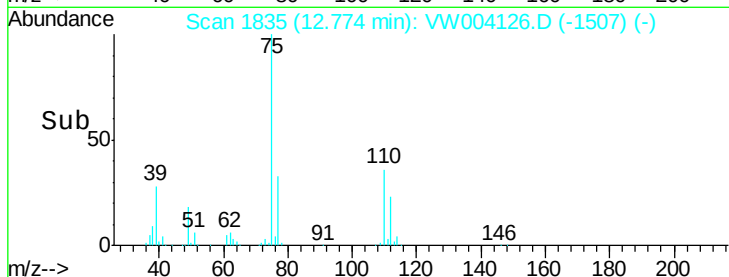
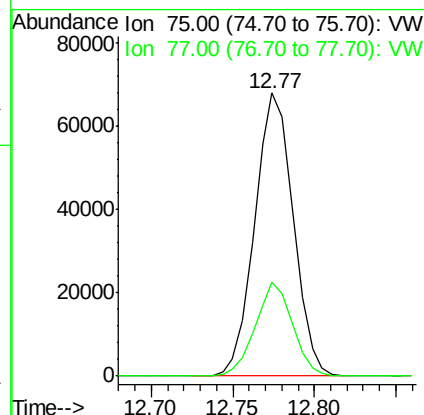
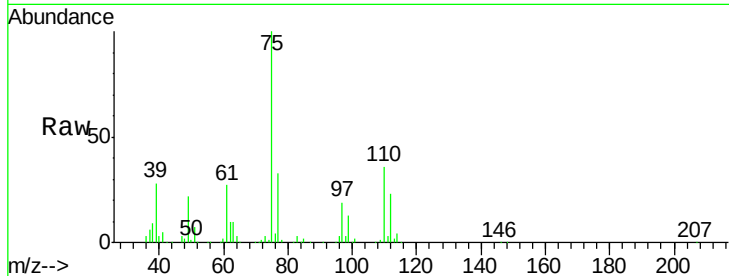




#59
 1,2,3-Trichloropropane
 Concen: 26.274 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

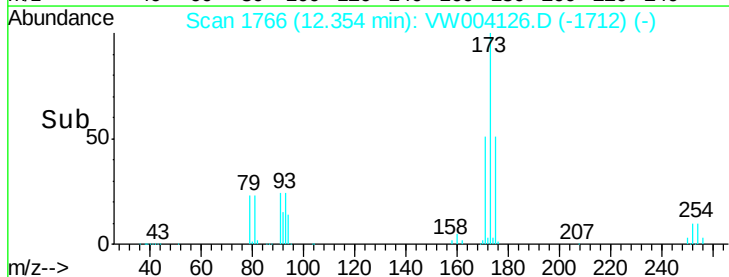
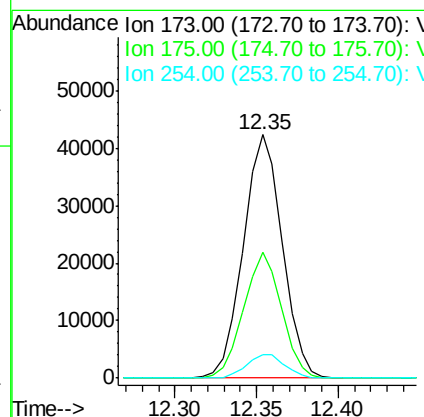
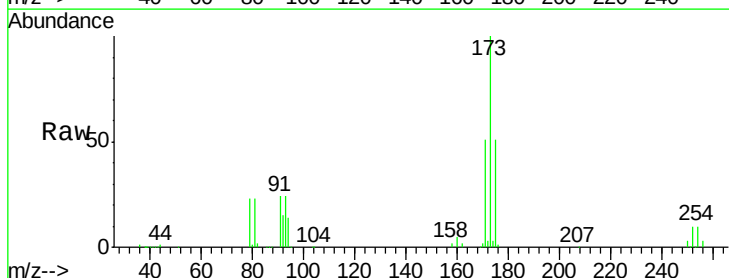
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

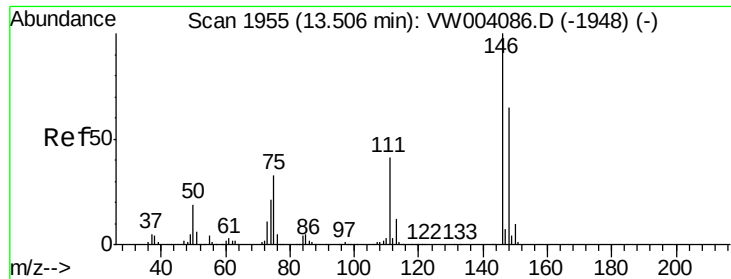
Tgt Ion: 75 Resp: 111491
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#62
 Bromoform
 Concen: 24.620 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion: 173 Resp: 70711
 Ion Ratio Lower Upper
 173 100
 175 50.1 39.4 59.0
 254 9.5 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 24.985 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

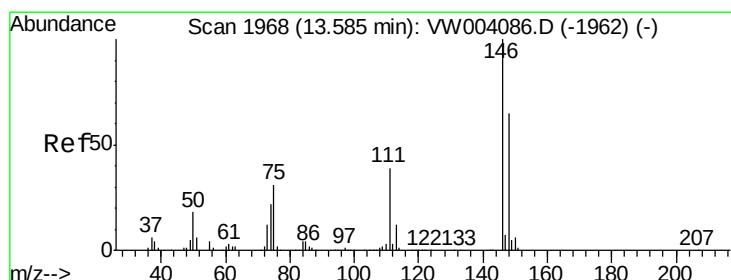
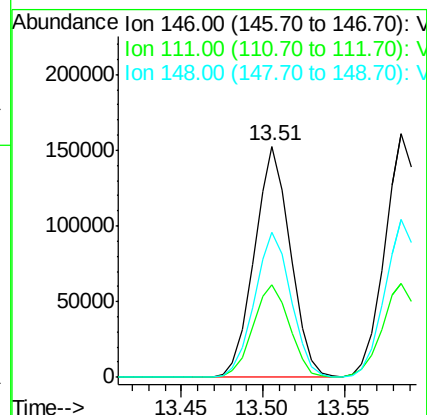
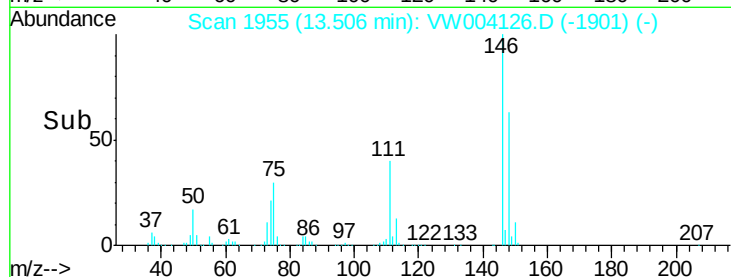
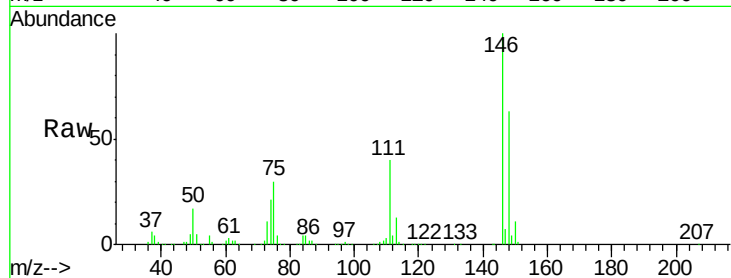
Tgt Ion:146 Resp: 234194

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.7

148 62.9 44.2 82.0



#64

1,4-Dichlorobenzene

Concen: 24.682 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

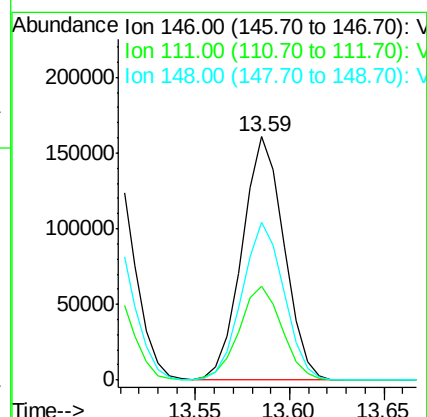
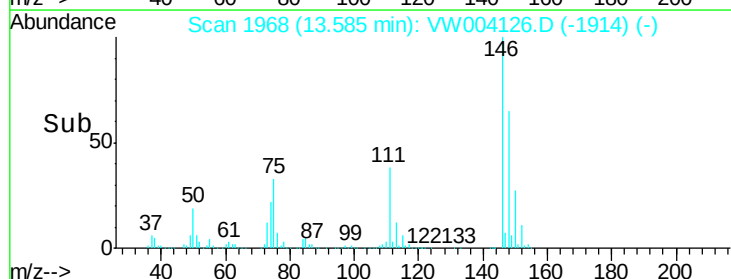
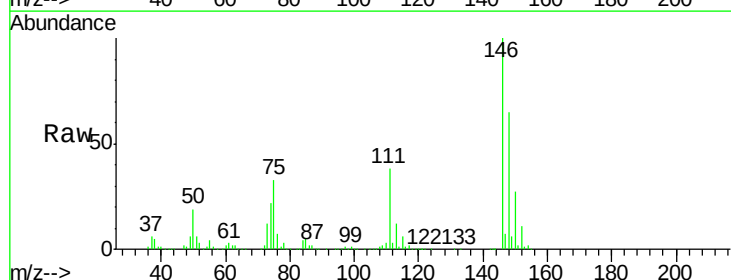
Tgt Ion:146 Resp: 248061

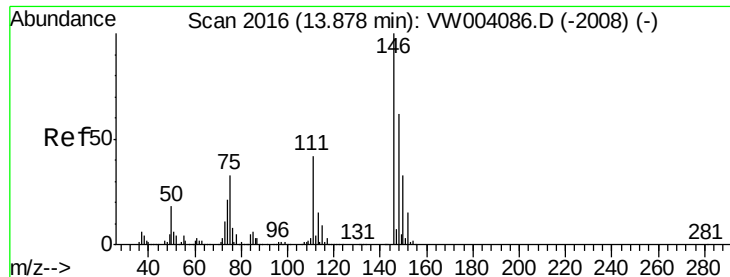
Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

148 64.6 44.3 82.3

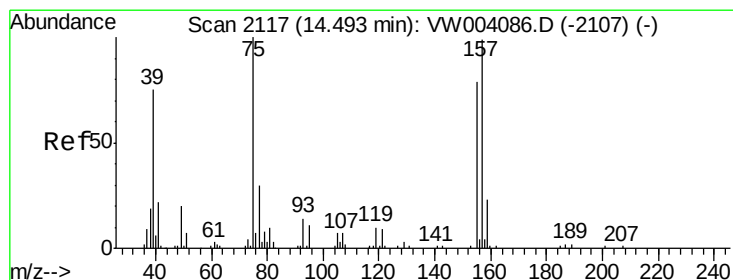
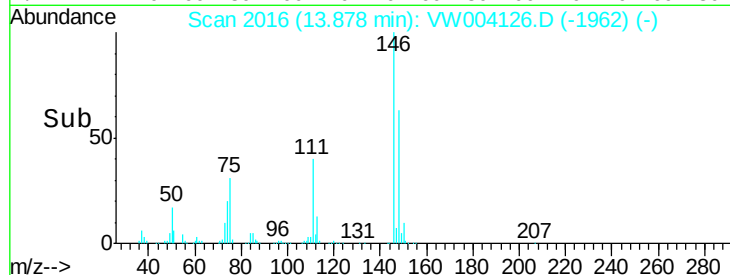
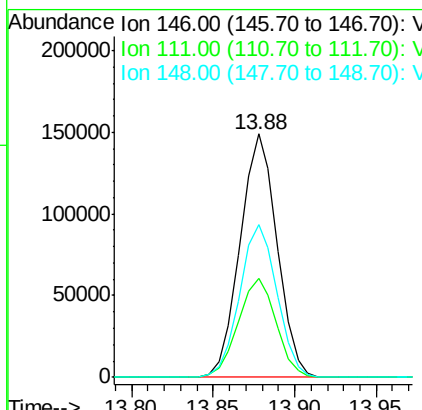
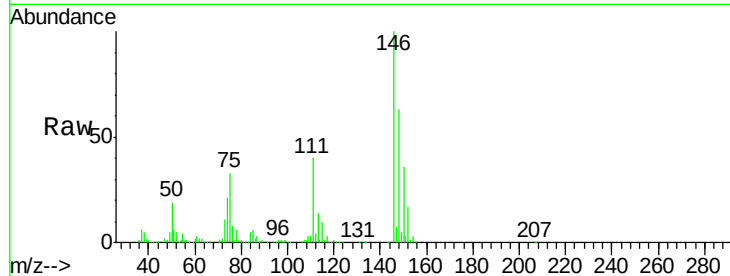




#65
 1,2-Dichlorobenzene
 Concen: 25.767 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

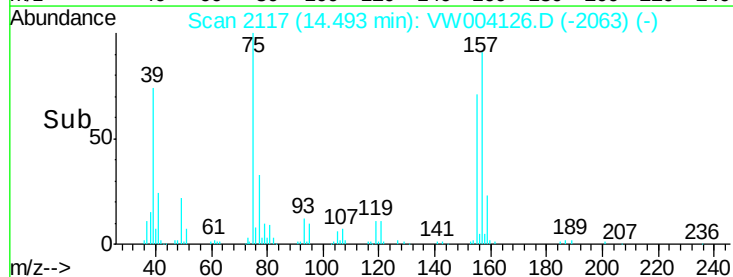
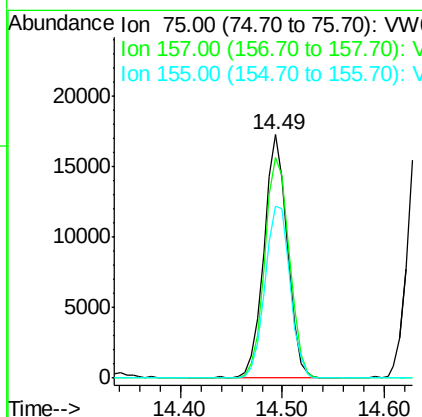
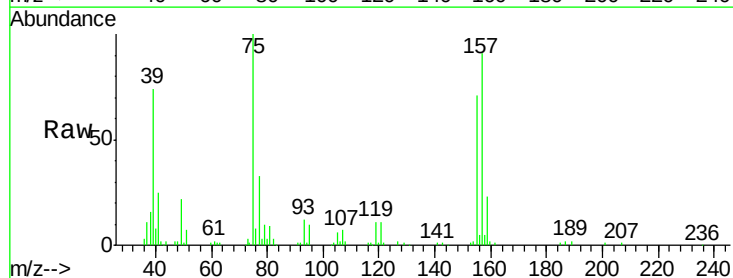
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

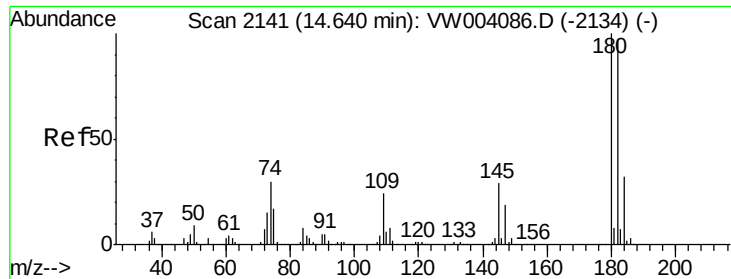
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	33.2	49.8
148	62.9	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.948 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
157	90.6	77.9	116.9
155	70.8	61.8	92.8

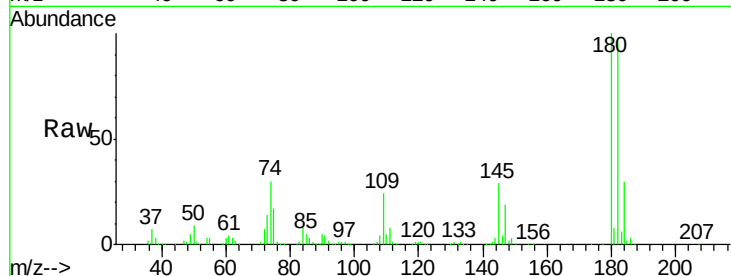




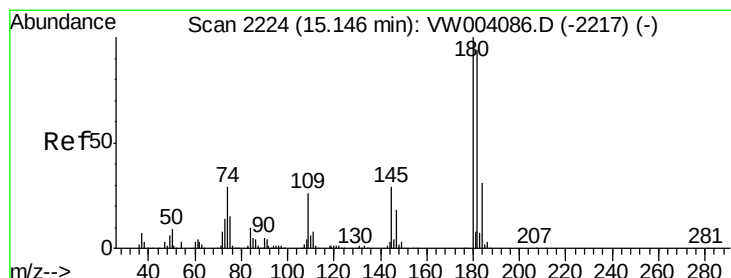
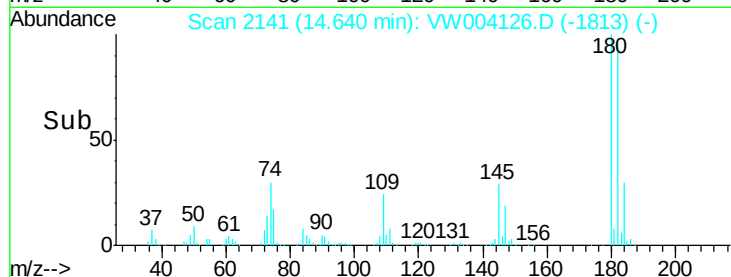
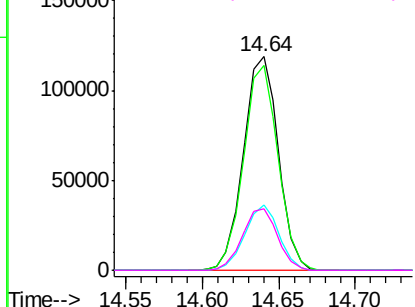
#67
 1,3,5-Trichlorobenzene
 Concen: 25.424 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02596

Tgt Ion:180 Resp: 188448
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 184 29.9 24.0 36.0
 145 29.2 23.3 34.9

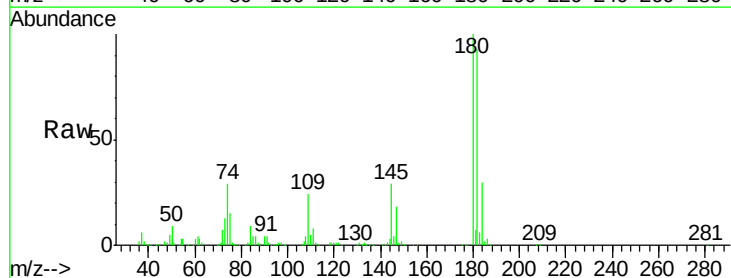


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

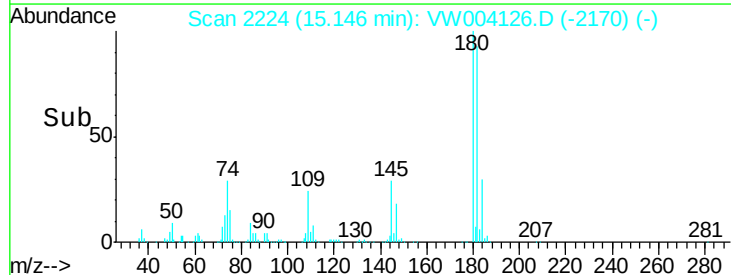
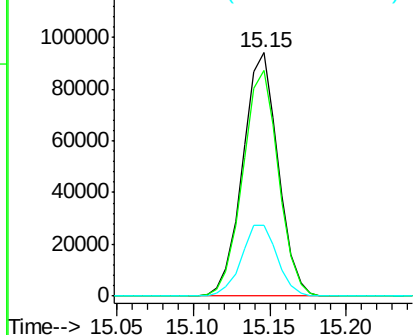


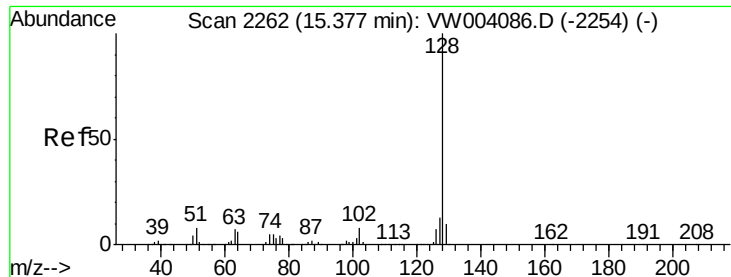
#68
 1,2,4-trichlorobenzene
 Concen: 25.419 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004126.D
 Acq: 21 Jul 2018 20:33

Tgt Ion:180 Resp: 151092
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.8 116.6
 145 29.7 24.4 36.6



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: 27.288 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

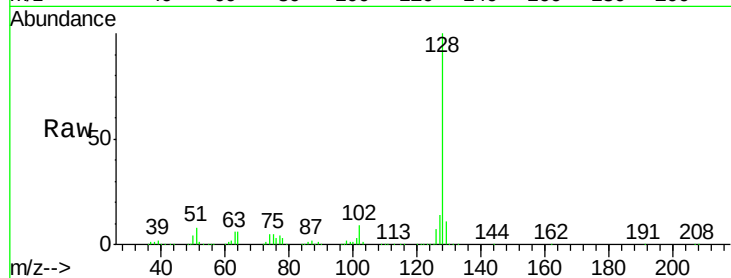
Tgt Ion:128 Resp: 365206

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

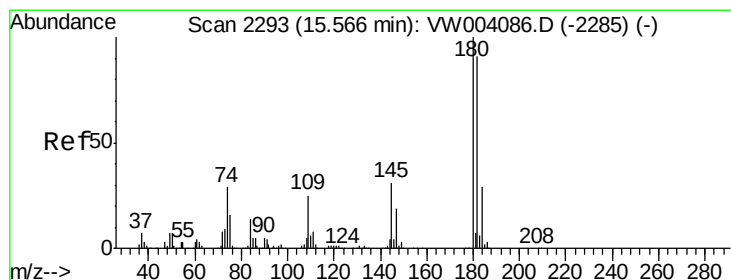
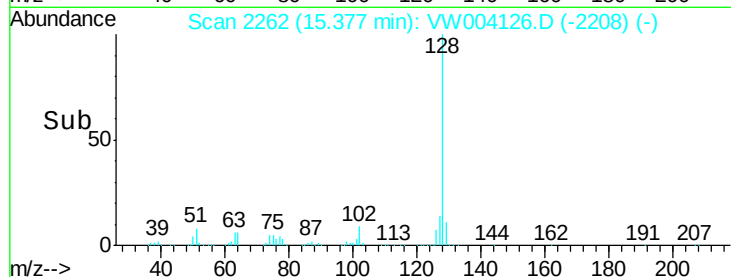
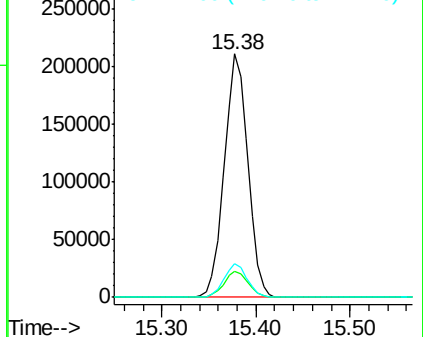
127 13.6 10.9 16.3



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: 26.452 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004126.D

Acq: 21 Jul 2018 20:33

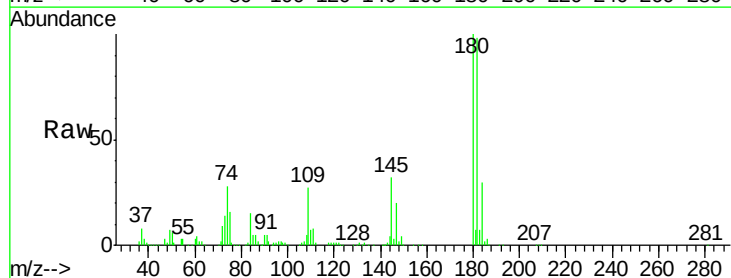
Tgt Ion:180 Resp: 149598

Ion Ratio Lower Upper

180 100

182 94.8 76.6 115.0

145 32.0 25.3 37.9



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

