

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072118\
 Data File : VW004108.D
 Acq On : 21 Jul 2018 11:35
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Quant Time: Jul 22 23:54:22 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	371078	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345181	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	181799	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	71817	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.24%
7) Chloroethane-d5	2.89	69	58498	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	4.01	63	199299	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.52%
20) 2-Butanone-d5	7.08	46	96037	44.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.24%
24) Chloroform-d	7.65	84	218923	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	126791	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.60%
29) Benzene-d6	8.28	84	389834	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.28	67	133595	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.08%
37) Toluene-d8	10.33	98	349930	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.28%
38) trans-1,3-Dichloropropene-	10.58	79	57663	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.28%
39) 2-Hexanone-d5	10.93	63	69392	48.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.54%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	142738	24.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.60%
61) 1,2-Dichlorobenzene-d4	13.87	152	143298	24.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	31421	13.225	ug/L #	86
3) Chloromethane	2.21	50	82185	21.638	ug/L	98
5) Vinyl chloride	2.36	62	117248	20.500	ug/L	98
6) Bromomethane	2.78	94	64762	21.329	ug/L	99
8) Chloroethane	2.93	64	64765	21.600	ug/L	95
9) Trichlorofluoromethane	3.26	101	75239	26.404	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	123391	24.351	ug/L	98
12) 1,1-Dichloroethene	4.03	96	116718	23.629	ug/L	91
13) Acetone	4.12	43	84508	36.114	ug/L	99
14) Carbon disulfide	4.37	76	376058	23.533	ug/L	99
15) Methyl Acetate	4.67	43	78134	19.572	ug/L	99
16) Methylene chloride	4.91	84	127936	17.971	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	223383	23.383	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	125118	24.603	ug/L	98
19) 1,1-Dichloroethane	6.21	63	238307	24.631	ug/L	98
21) 2-Butanone	7.17	43	107373	36.981	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	132562	24.388	ug/L	97

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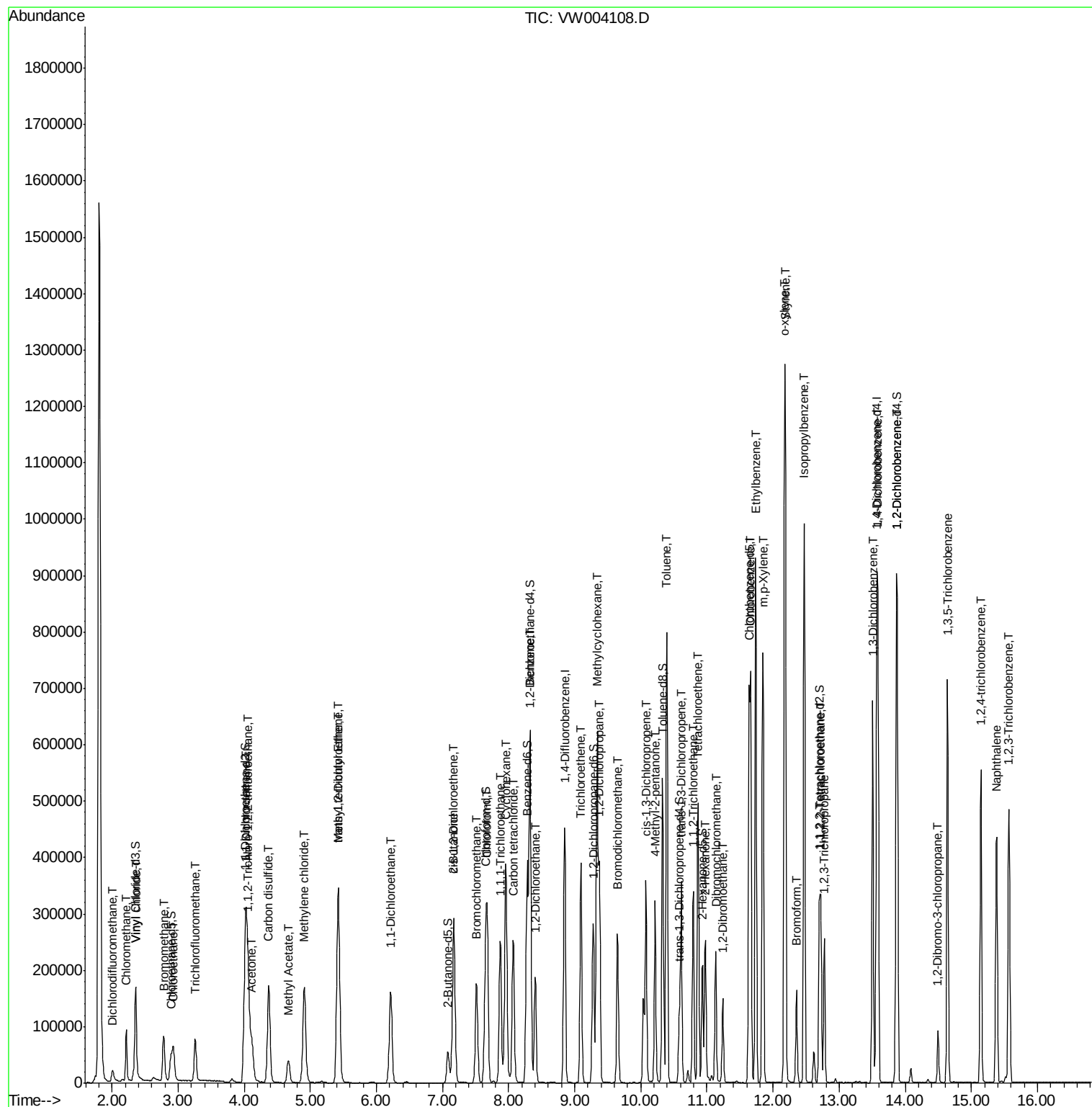
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62413	24.420	ug/L	96
25) Chloroform	7.68	83	240875	24.380	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170935	23.475	ug/L	98
30) Cyclohexane	7.96	56	217247	25.805	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	197887	25.207	ug/L	99
32) Carbon tetrachloride	8.07	117	185843	24.537	ug/L	99
34) Benzene	8.33	78	529288	25.015	ug/L	100
35) Trichloroethene	9.09	95	137051	24.209	ug/L	98
36) Methylcyclohexane	9.34	83	244594	26.141	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141863	24.732	ug/L	100
41) Bromodichloromethane	9.65	83	173121	24.514	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	205657	25.445	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	213398	42.320	ug/L	99
44) Toluene	10.39	91	569988	25.708	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	187085	25.096	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103538	23.226	ug/L	98
47) Tetrachloroethene	10.87	164	111299	24.377	ug/L	95
49) 2-Hexanone	10.98	43	164731	42.197	ug/L	99
50) Dibromochloromethane	11.13	129	121712	24.372	ug/L	98
51) 1,2-Dibromoethane	11.24	107	100698	23.128	ug/L	99
52) Chlorobenzene	11.66	112	348872	24.541	ug/L	100
53) Ethylbenzene	11.74	91	633718	26.405	ug/L	100
54) m,p-Xylene	11.85	106	237933	26.899	ug/L	98
55) o-xylene	12.17	106	216751	25.618	ug/L	97
56) Styrene	12.19	104	381262	26.085	ug/L	98
57) Isopropylbenzene	12.48	105	628222	27.082	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	137983	21.655	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	106385	21.568	ug/L	99
62) Bromoform	12.35	173	73483	21.418	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	272802	24.363	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	285147	23.751	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	262256	24.034	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24112	18.954	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	215132	24.297	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	172042	24.229	ug/L	99
69) Naphthalene	15.38	128	368171	23.029	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	167579	24.805	ug/L	98

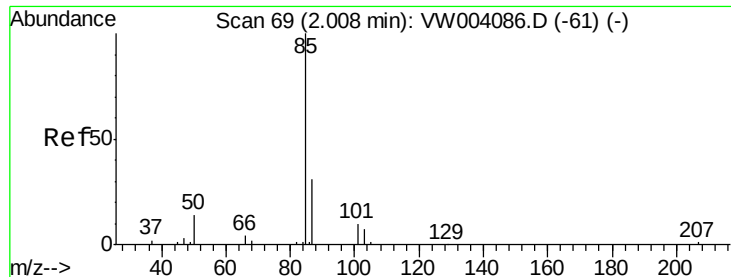
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.225 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

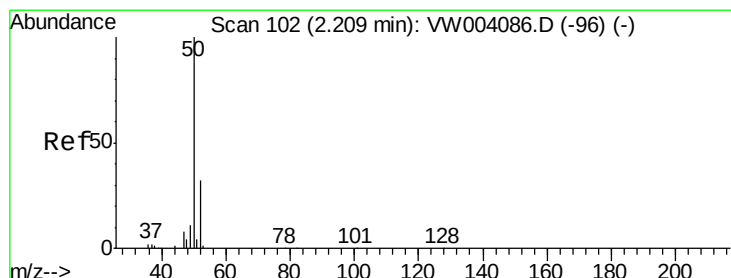
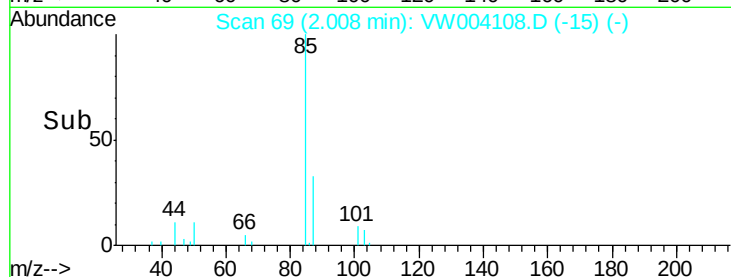
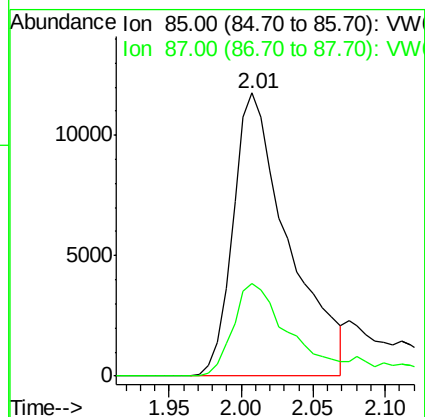
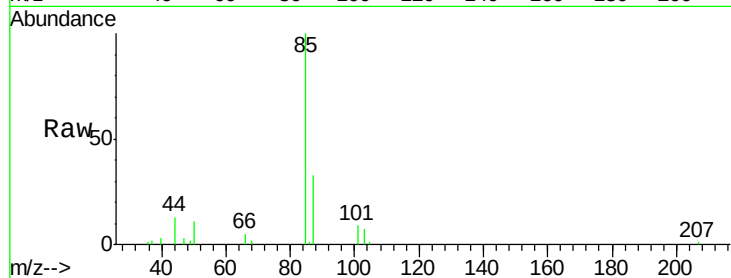
VSTD02595

Tgt Ion: 85 Resp: 31421

Ion Ratio Lower Upper

85 100

87 33.4 0.1 0.1#



#3

Chloromethane

Concen: 21.638 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004108.D

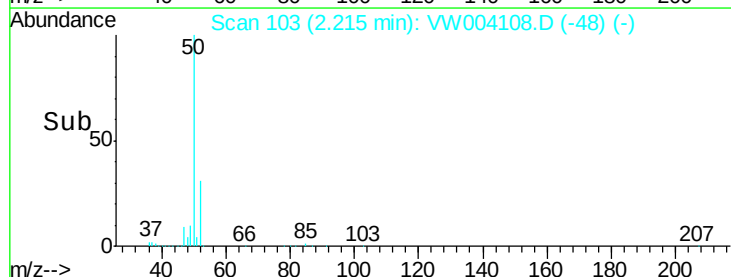
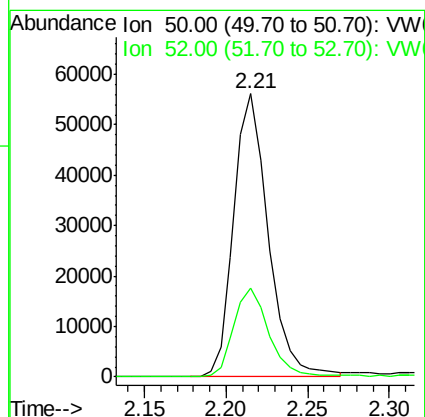
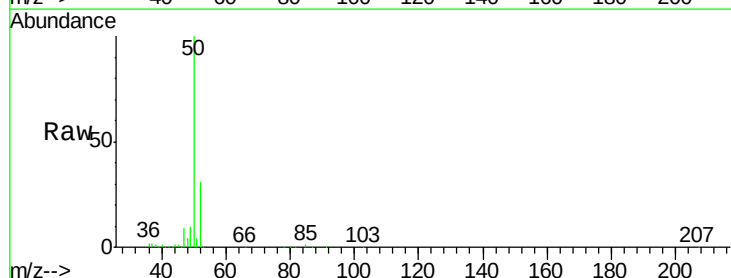
Acq: 21 Jul 2018 11:35

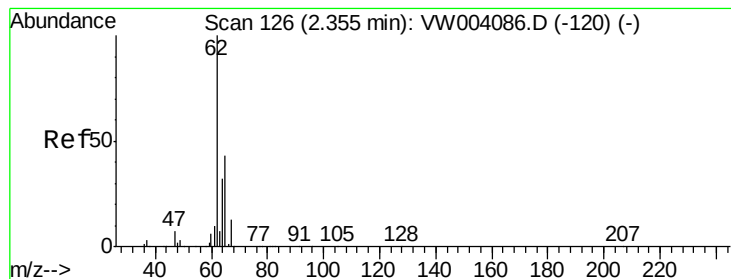
Tgt Ion: 50 Resp: 82185

Ion Ratio Lower Upper

50 100

52 31.5 21.3 39.6





#5

Vinyl chloride

Concen: 20.500 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

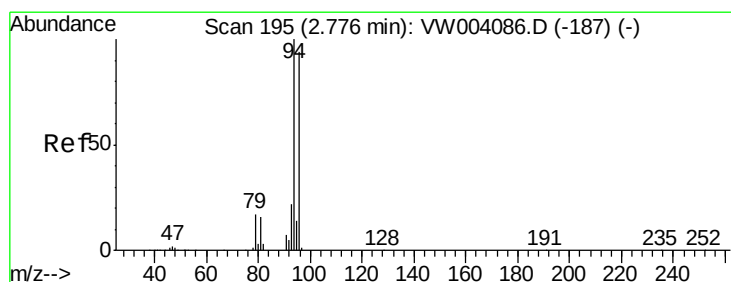
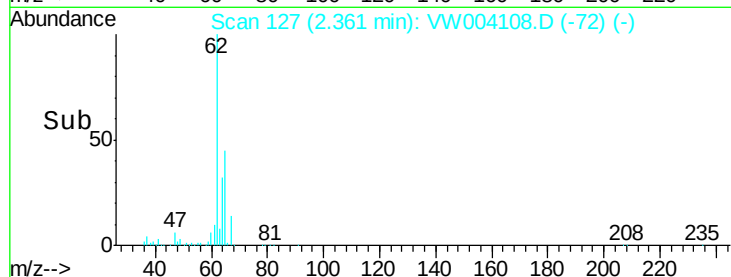
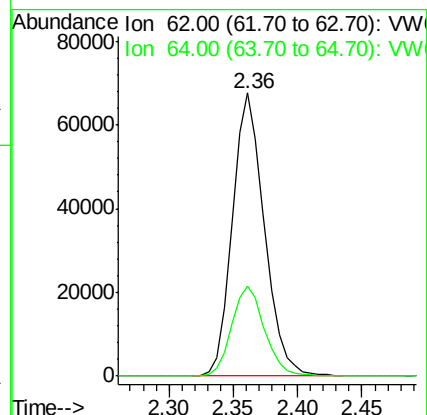
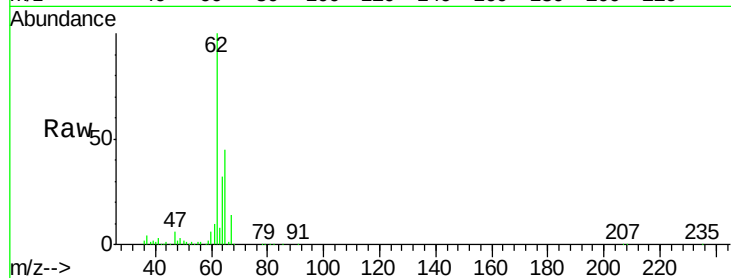
VSTD02595

Tgt Ion: 62 Resp: 117248

Ion Ratio Lower Upper

62 100

64 31.9 23.1 42.9



#6

Bromomethane

Concen: 21.329 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004108.D

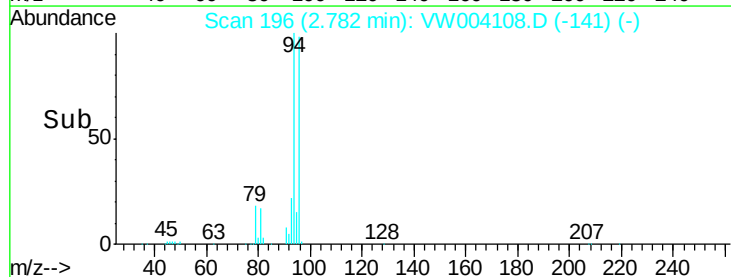
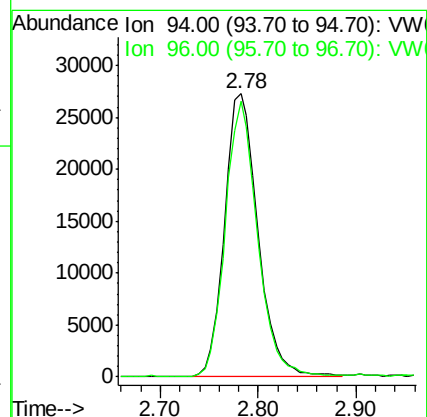
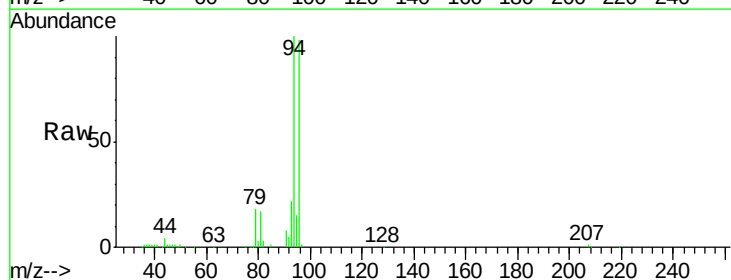
Acq: 21 Jul 2018 11:35

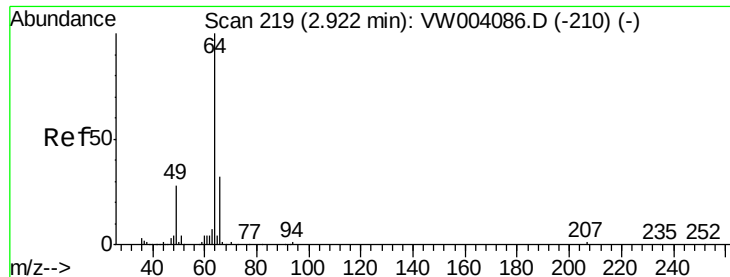
Tgt Ion: 94 Resp: 64762

Ion Ratio Lower Upper

94 100

96 94.0 9.5 179.9





#8

Chloroethane

Concen: 21.600 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

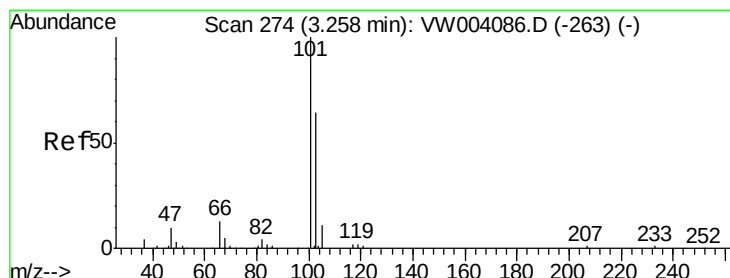
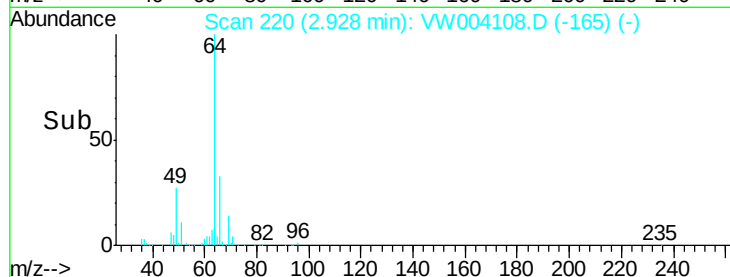
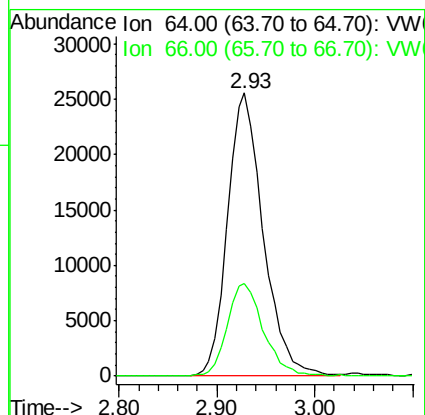
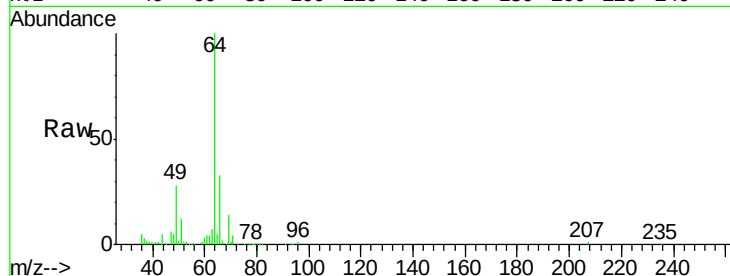
VSTD02595

Tgt Ion: 64 Resp: 64765

Ion Ratio Lower Upper

64 100

66 32.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 26.404 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004108.D

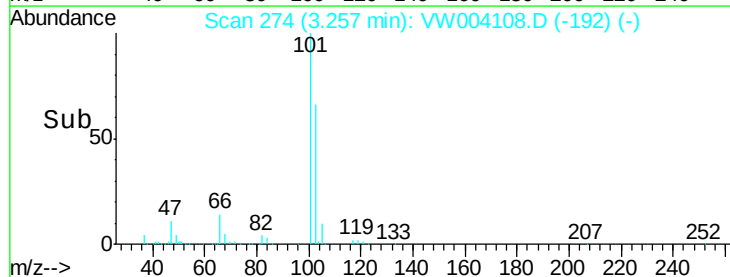
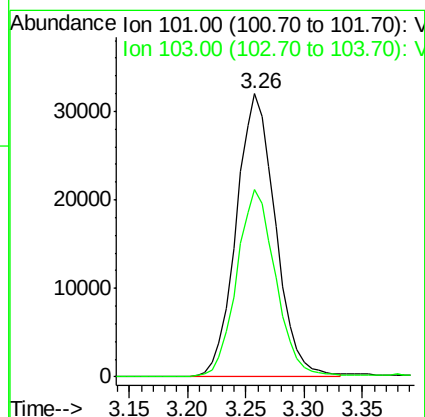
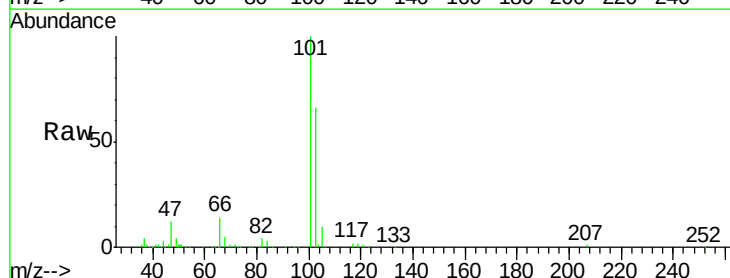
Acq: 21 Jul 2018 11:35

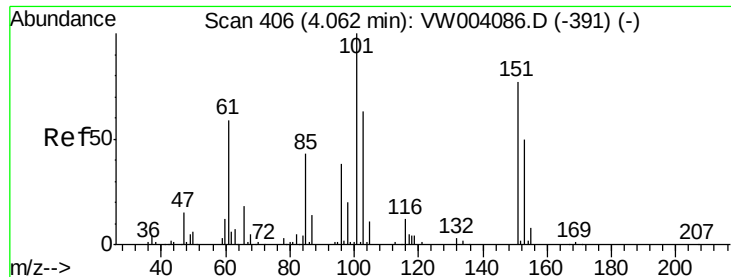
Tgt Ion: 101 Resp: 75239

Ion Ratio Lower Upper

101 100

103 65.4 45.6 84.8





#11

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

Concen: 24.351 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004108.D

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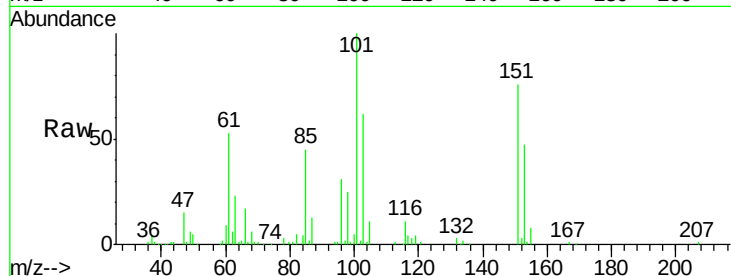
Tgt Ion: 101 Resp: 123391

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

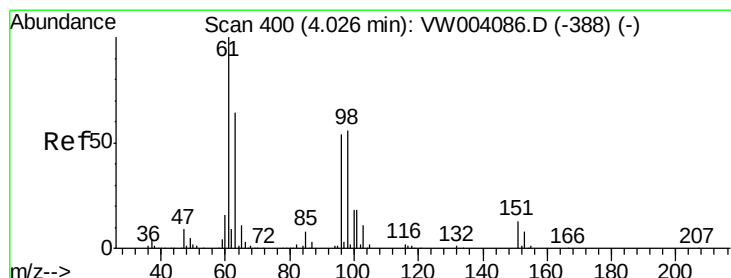
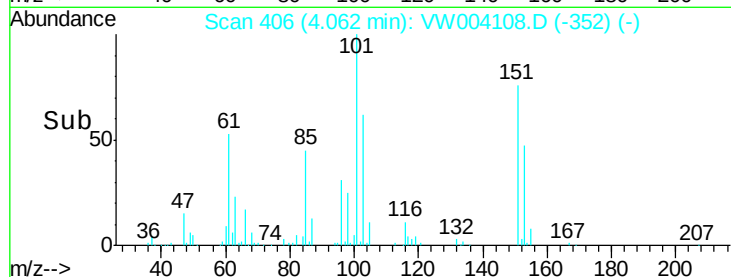
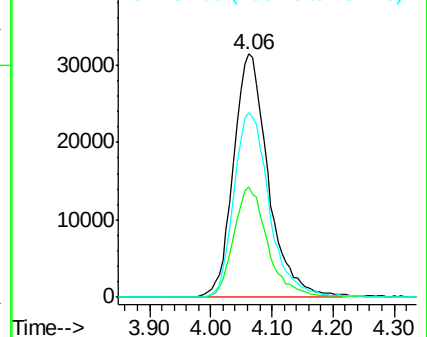
151 76.9 59.5 89.3



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: 23.629 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

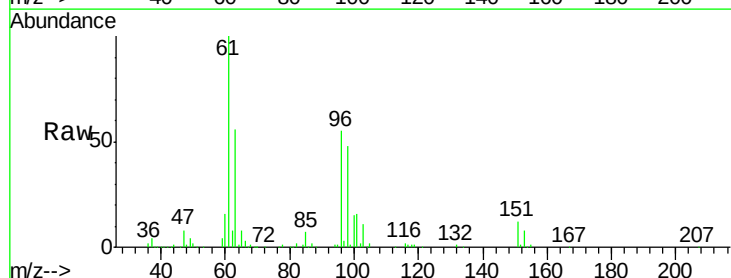
Tgt Ion: 96 Resp: 116718

Ion Ratio Lower Upper

96 100

61 182.4 127.3 236.5

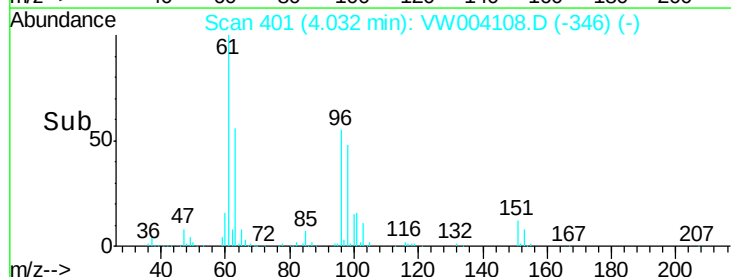
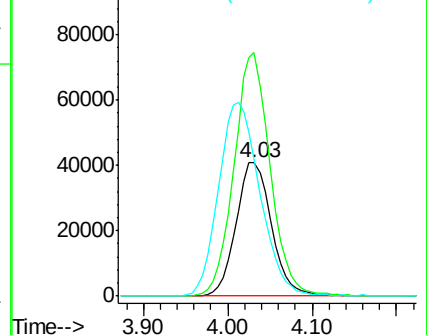
63 102.5 88.5 164.4

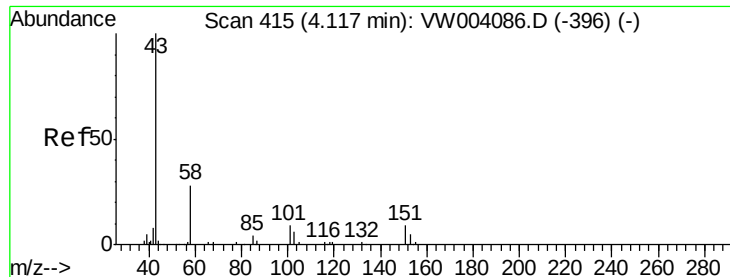


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.114 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

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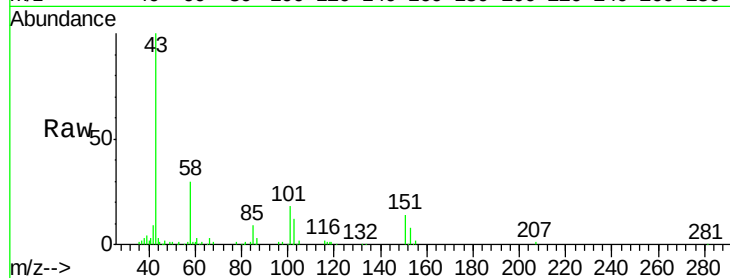
VSTD02595

Tgt Ion: 43 Resp: 84508

Ion Ratio Lower Upper

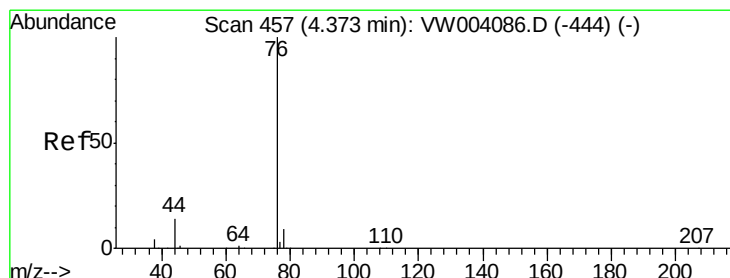
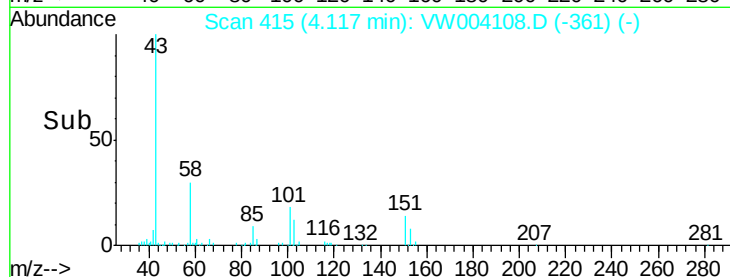
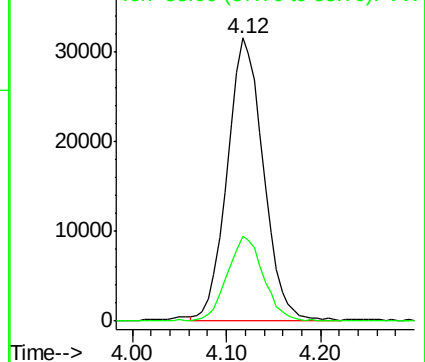
43 100

58 29.3 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: 23.533 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004108.D

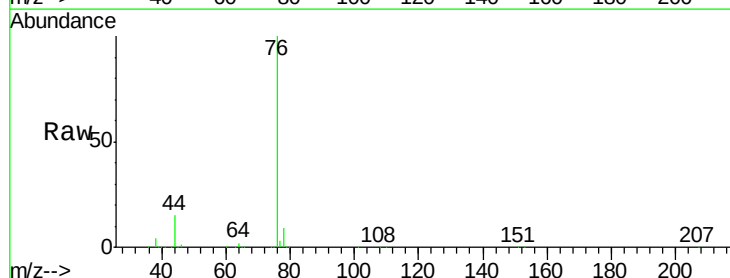
Acq: 21 Jul 2018 11:35

Tgt Ion: 76 Resp: 376058

Ion Ratio Lower Upper

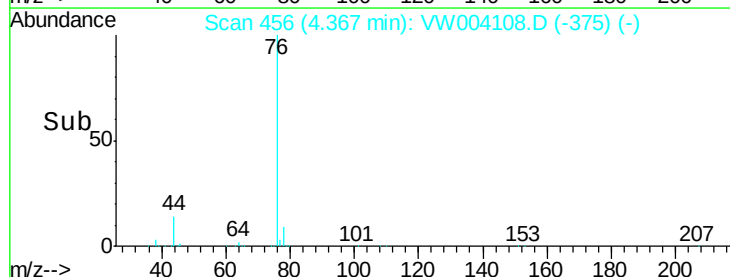
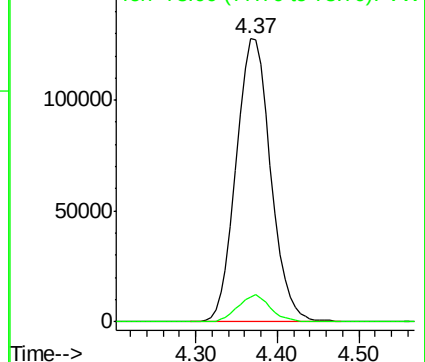
76 100

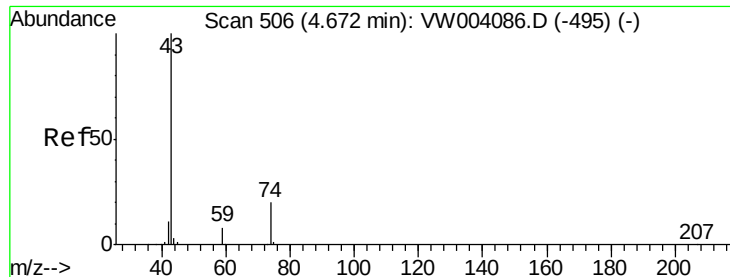
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

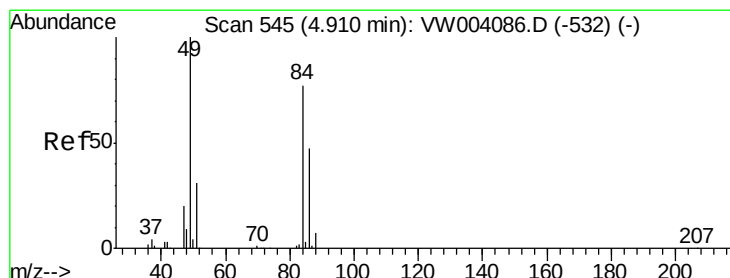
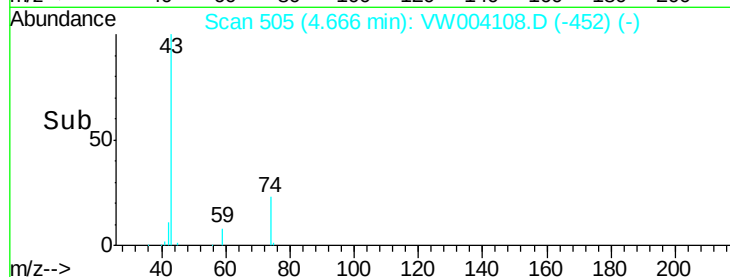
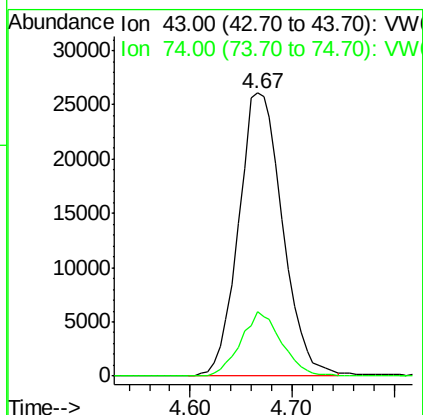
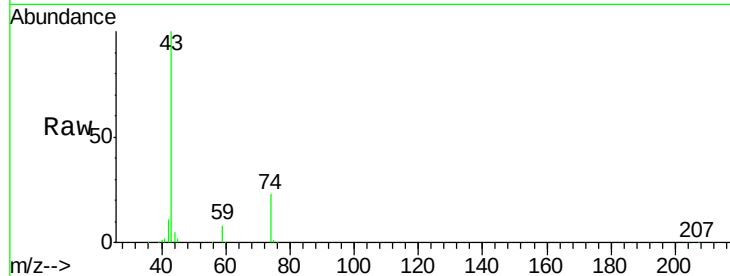




#15
Methyl Acetate
Concen: 19.572 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

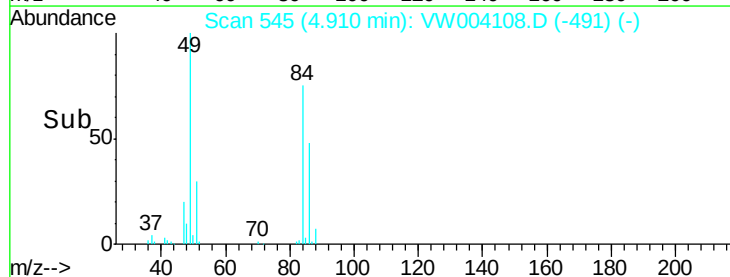
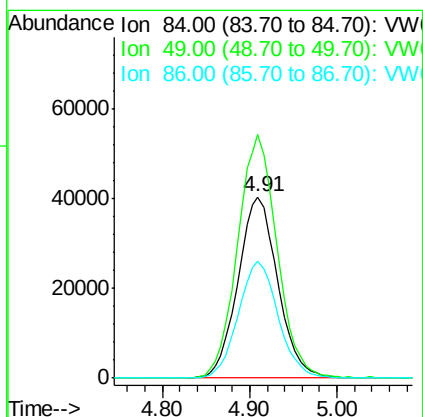
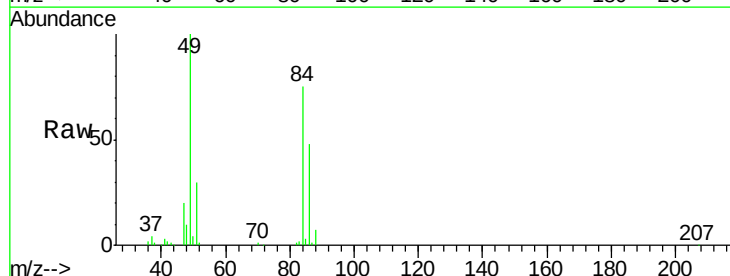
Instrument :
MSVOA_W
ClientSampled :
VSTD02595

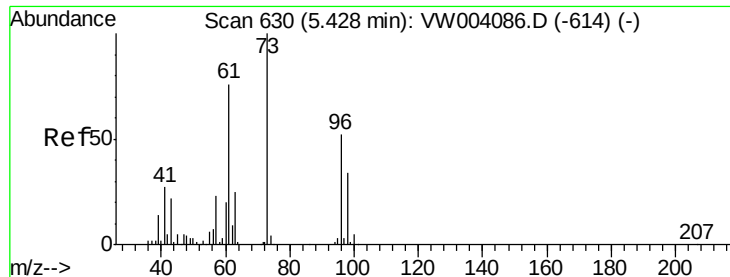
Tgt Ion: 43 Resp: 78134
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8



#16
Methylene chloride
Concen: 17.971 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion: 84 Resp: 127936
Ion Ratio Lower Upper
84 100
49 134.2 94.2 175.0
86 64.7 45.1 83.9

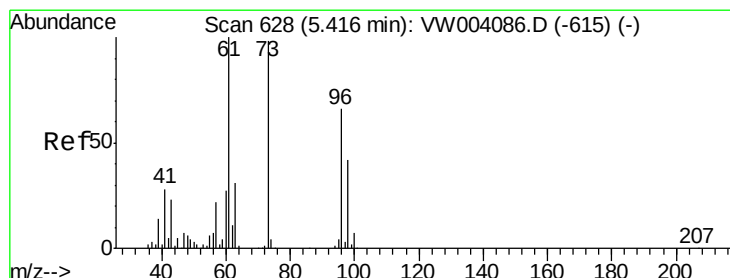
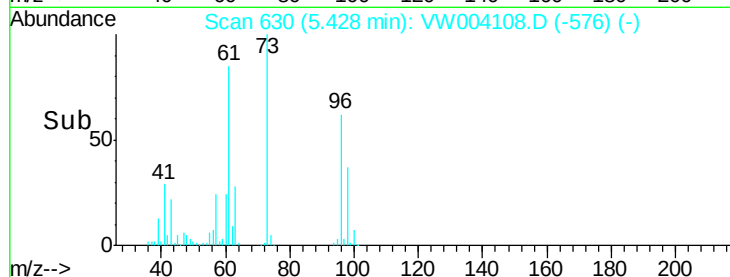
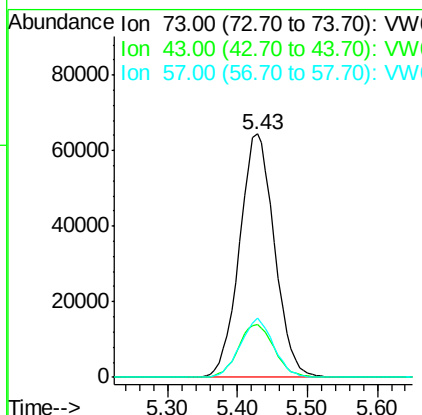
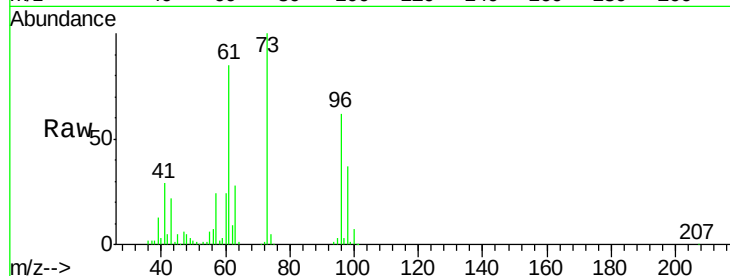




#17
Methyl tert-butyl Ether
Concen: 23.383 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

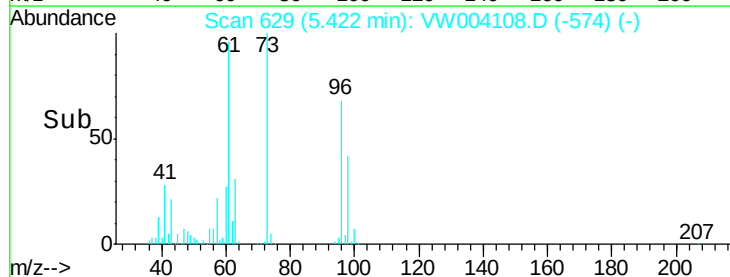
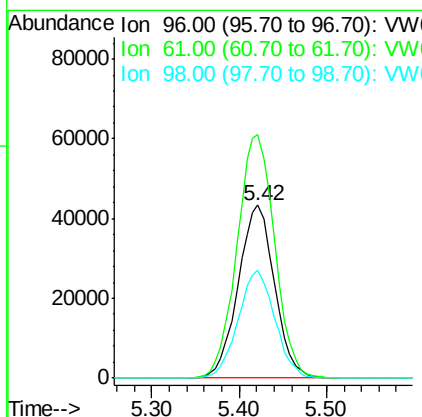
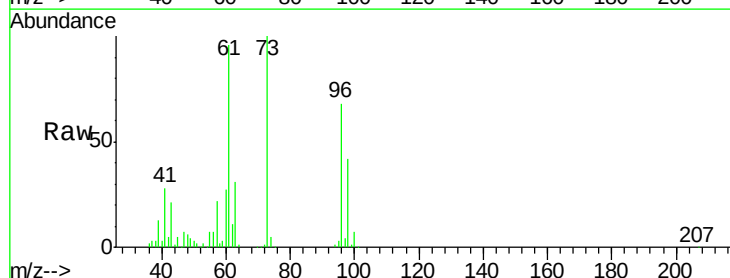
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

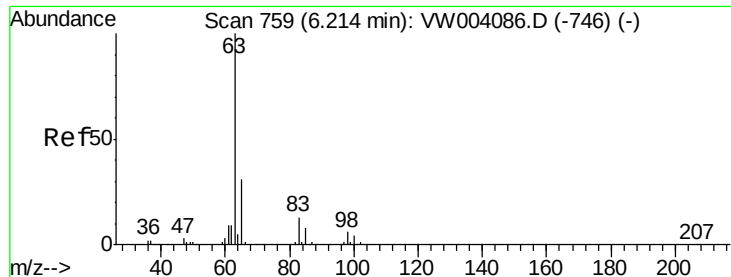
Tgt Ion: 73 Resp: 223383
Ion Ratio Lower Upper
73 100
43 22.3 18.1 27.1
57 23.1 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 24.603 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion: 96 Resp: 125118
Ion Ratio Lower Upper
96 100
61 140.9 99.8 185.4
98 62.3 44.9 83.3

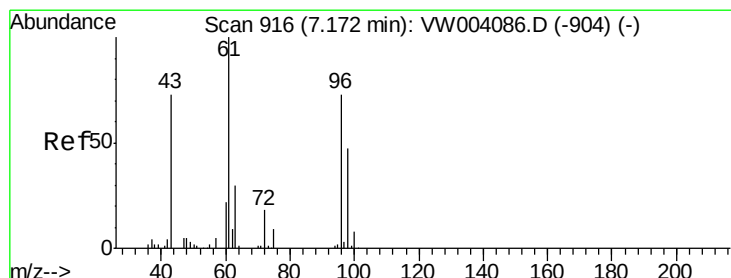
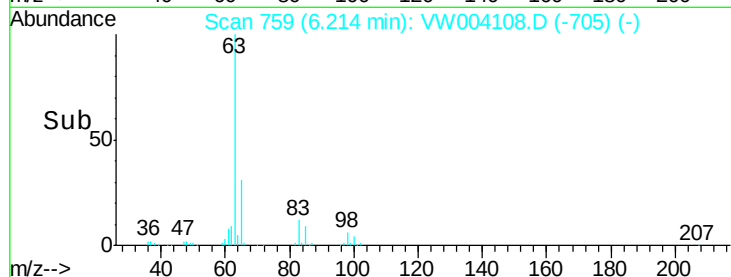
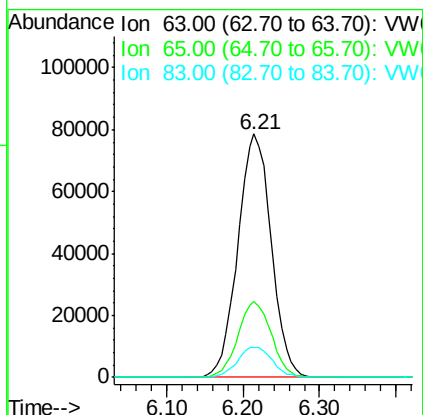
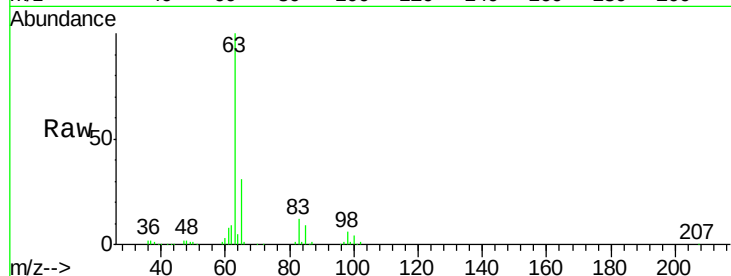




#19
 1,1-Dichloroethane
 Concen: 24.631 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

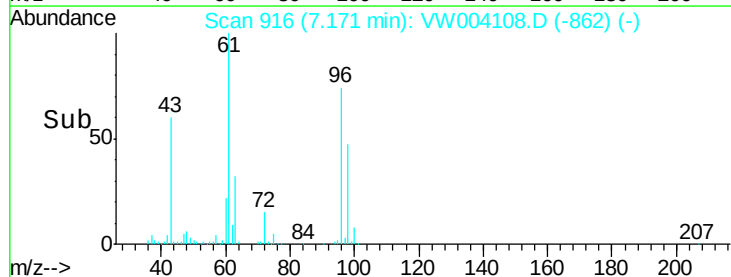
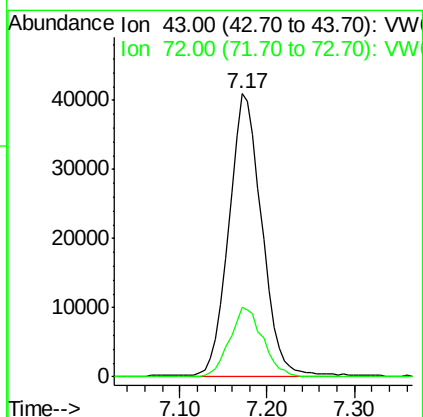
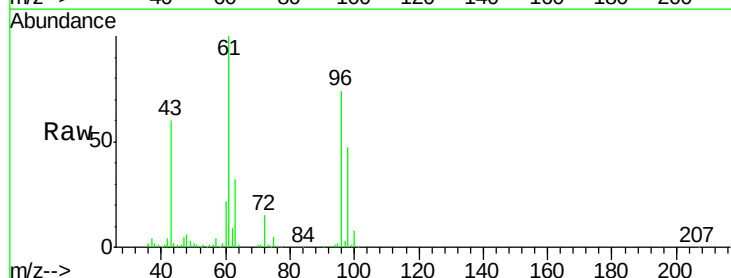
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02595

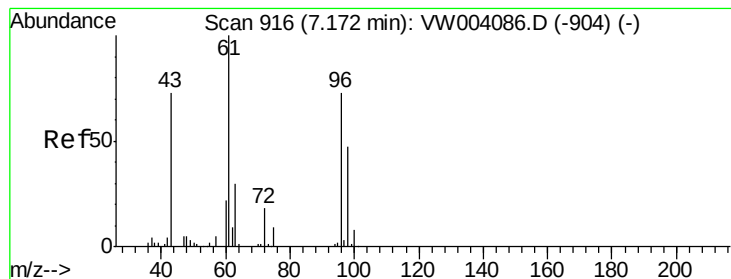
Tgt Ion: 63 Resp: 238307
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.4 41.6
 83 12.2 9.2 17.2



#21
 2-Butanone
 Concen: 36.981 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion: 43 Resp: 107373
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.1 36.3



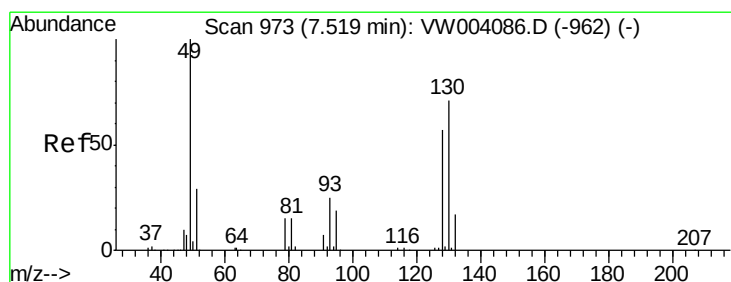
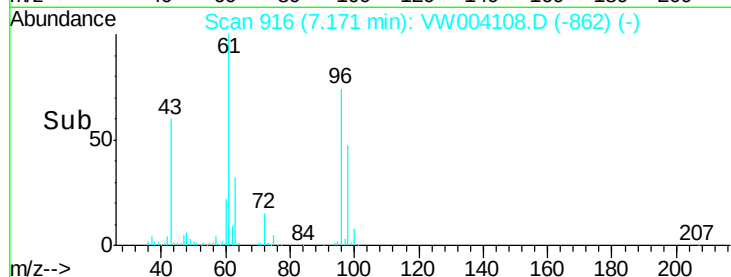
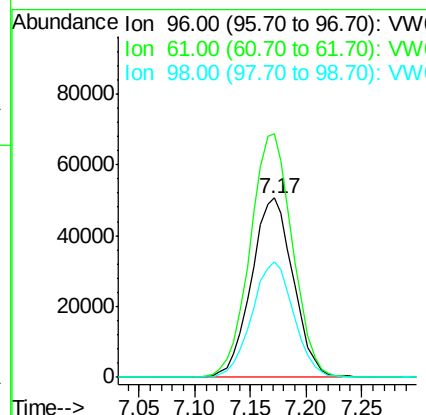
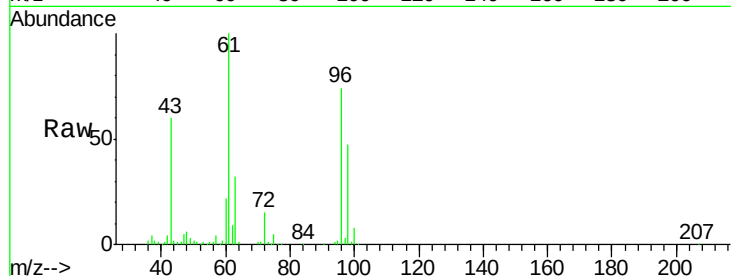


#22

cis-1,2-Dichloroethene
 Concen: 24.388 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

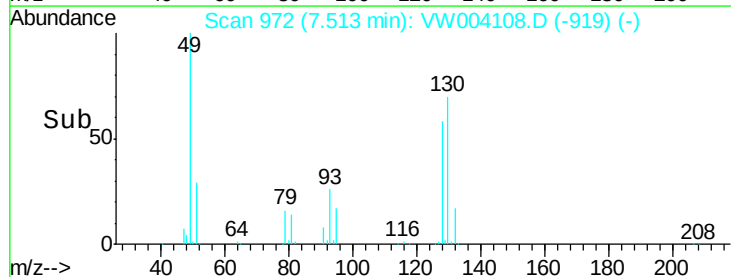
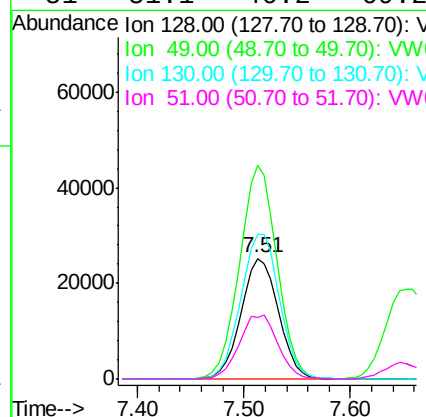
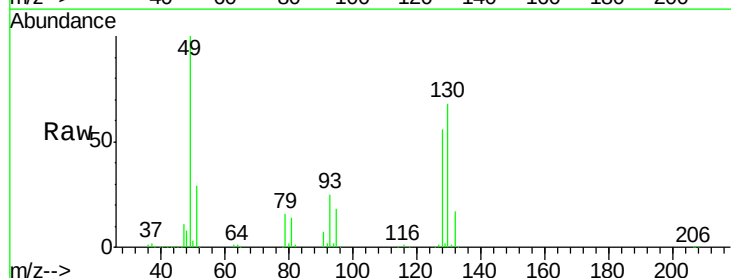
Tgt Ion: 96 Resp: 132562
 Ion Ratio Lower Upper
 96 100
 61 136.0 92.5 171.9
 98 64.3 43.0 80.0

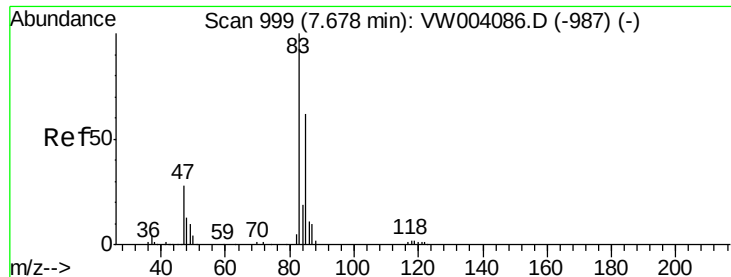


#23

Bromochloromethane
 Concen: 24.420 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion: 128 Resp: 62413
 Ion Ratio Lower Upper
 128 100
 49 177.4 126.4 234.8
 130 120.4 87.8 163.0
 51 51.1 46.2 69.2

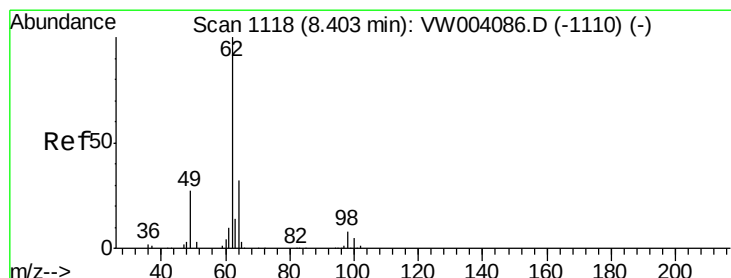
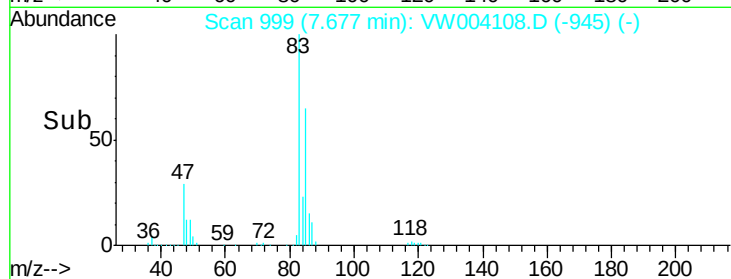
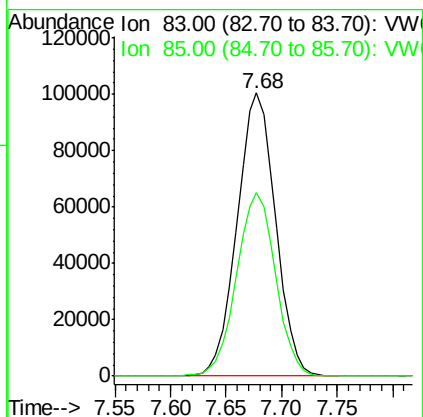
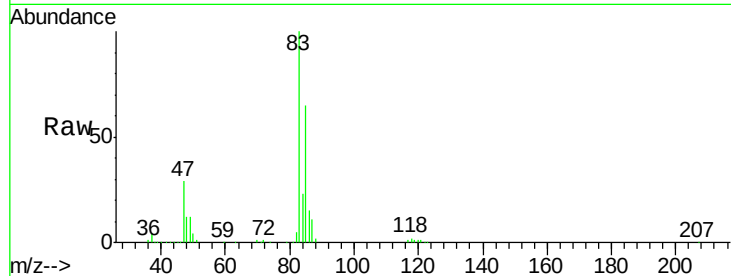




#25
Chloroform
Concen: 24.380 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

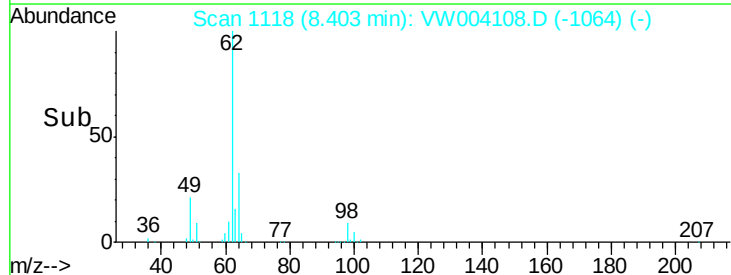
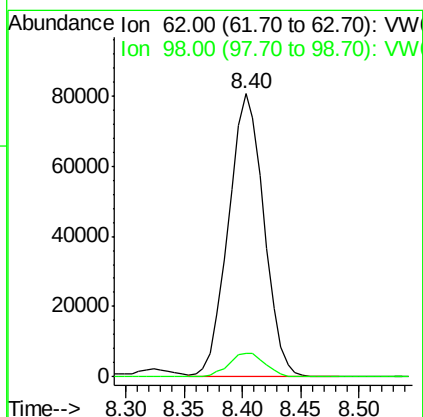
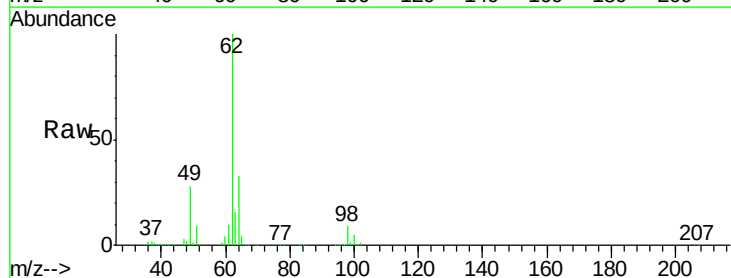
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

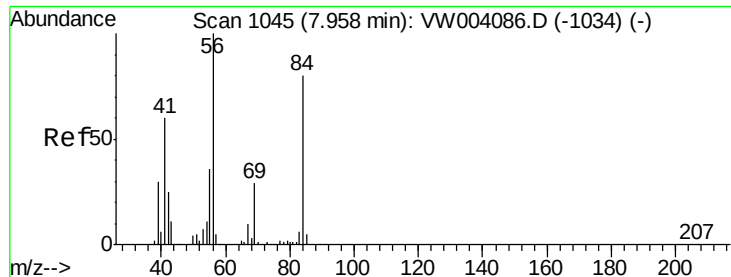
Tgt Ion: 83 Resp: 240875
Ion Ratio Lower Upper
83 100
85 65.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 23.475 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion: 62 Resp: 170935
Ion Ratio Lower Upper
62 100
98 8.5 6.2 9.4

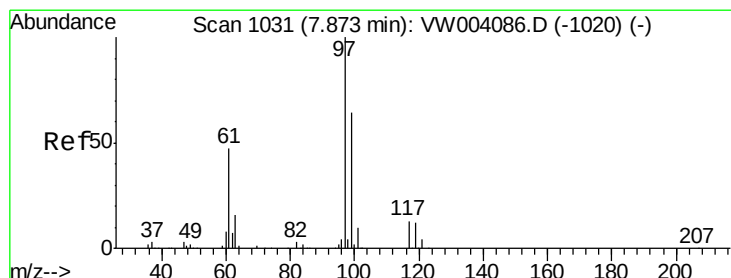
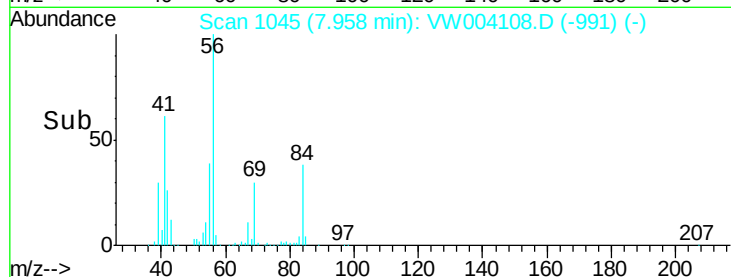
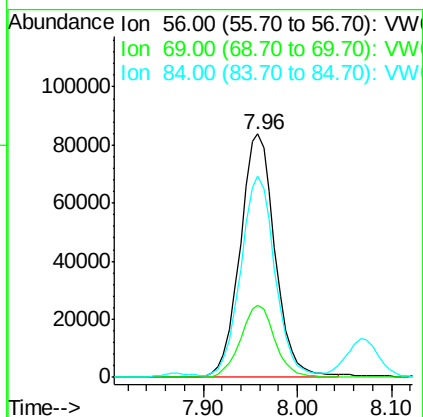
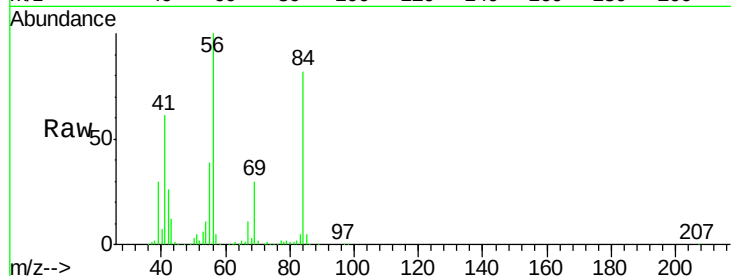




#30
Cyclohexane
Concen: 25.805 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

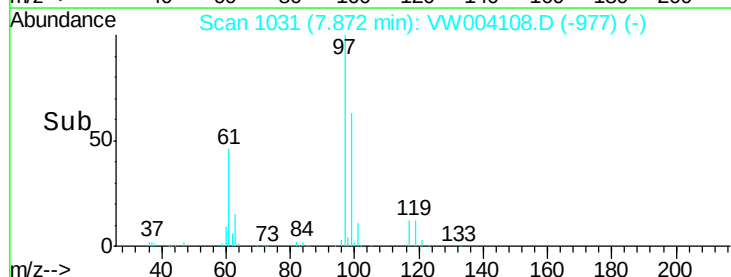
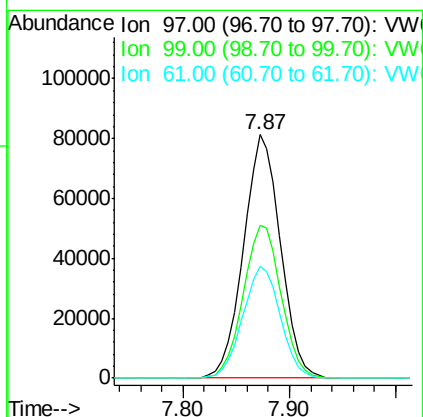
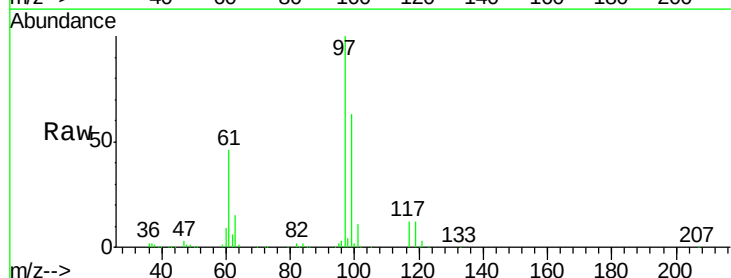
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

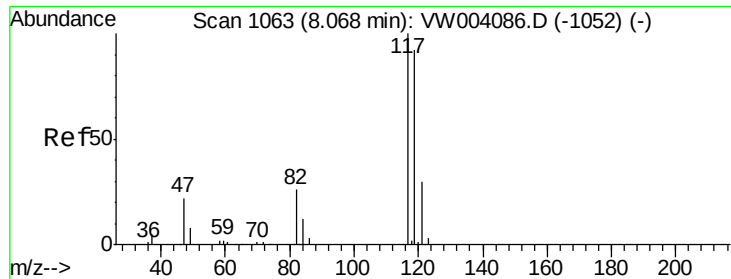
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.8	34.2
84	81.6	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 25.207 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	46.8	38.6	57.8





#32

Carbon tetrachloride

Concen: 24.537 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

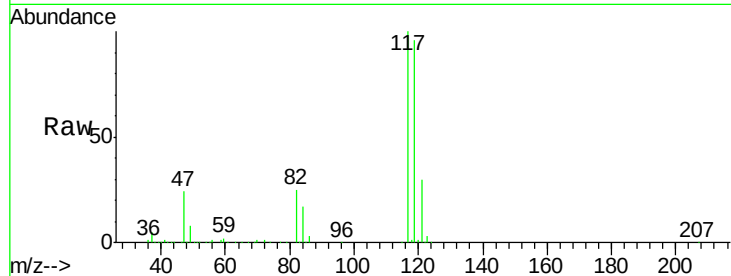
VSTD02595

Tgt Ion:117 Resp: 185843

Ion Ratio Lower Upper

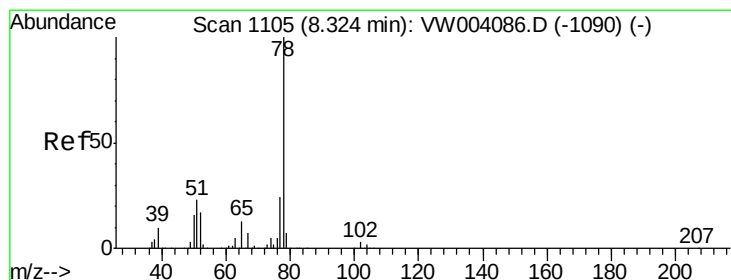
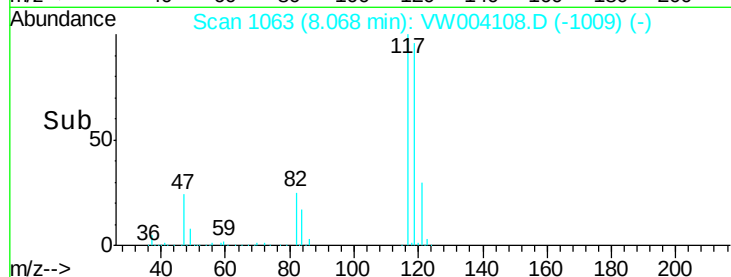
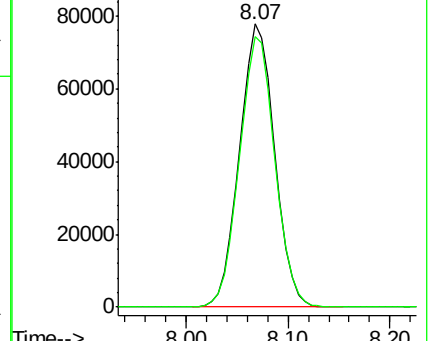
117 100

119 96.4 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: 25.015 ug/L

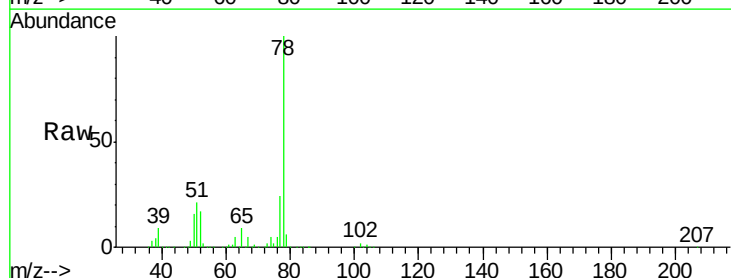
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

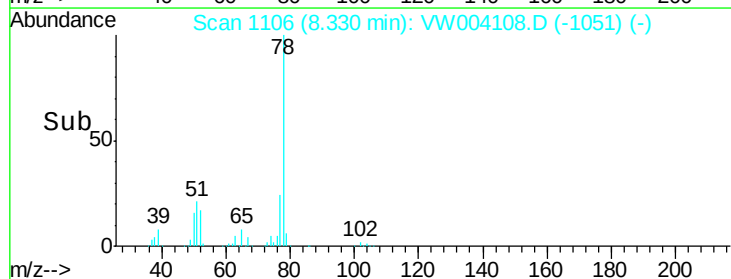
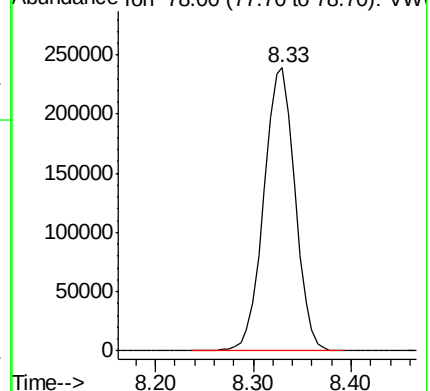
Lab File: VW004108.D

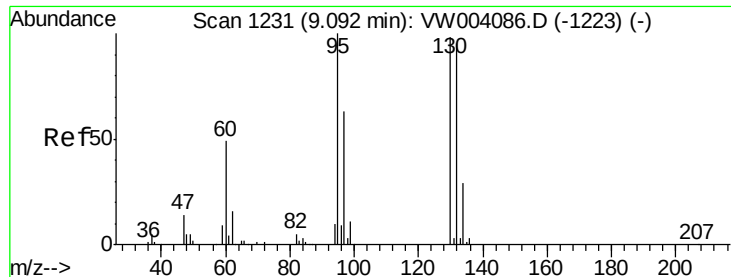
Acq: 21 Jul 2018 11:35

Tgt Ion: 78 Resp: 529288



Abundance Ion 78.00 (77.70 to 78.70): VW

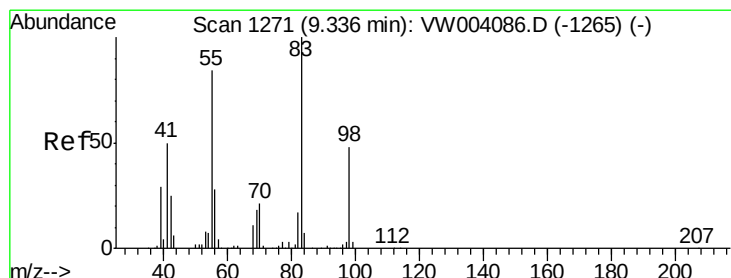
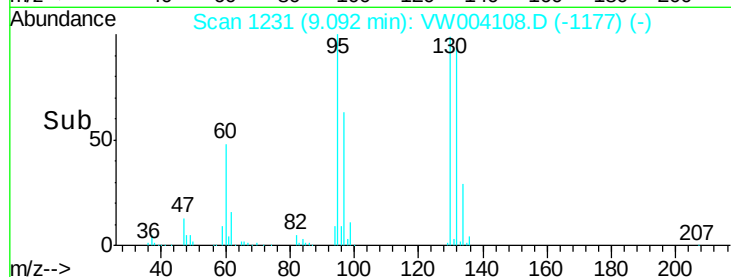
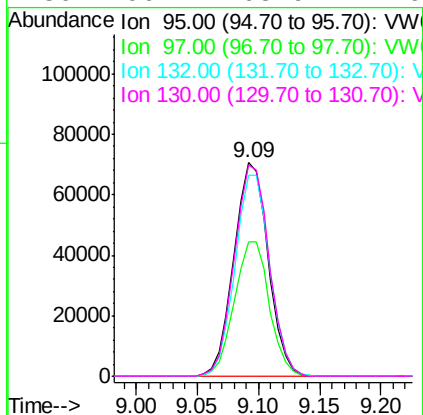
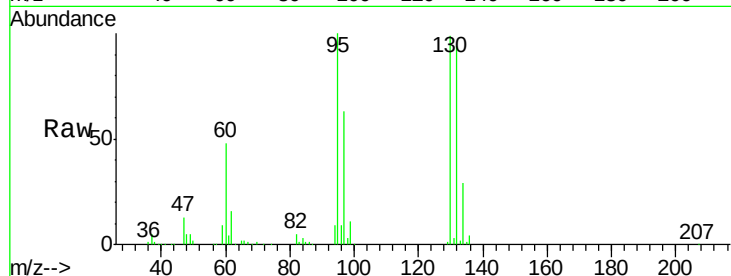




#35
 Trichloroethene
 Concen: 24.209 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

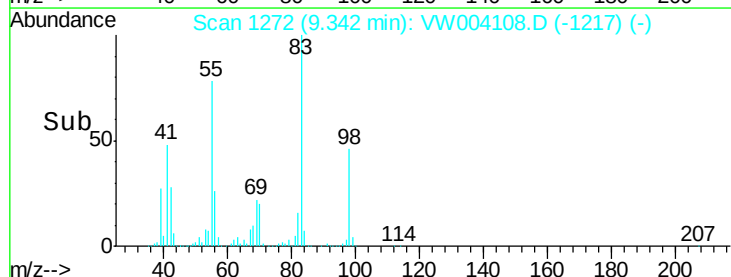
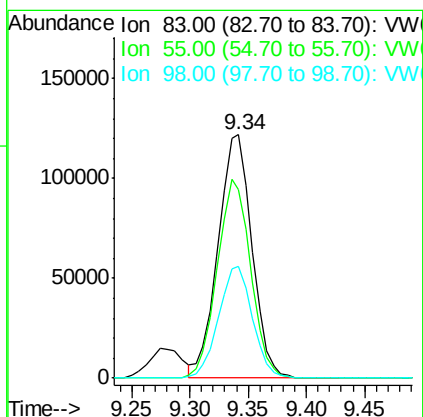
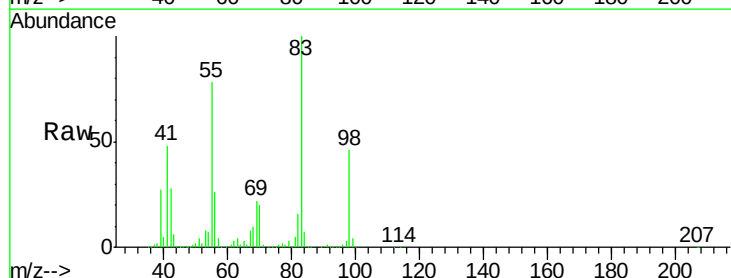
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

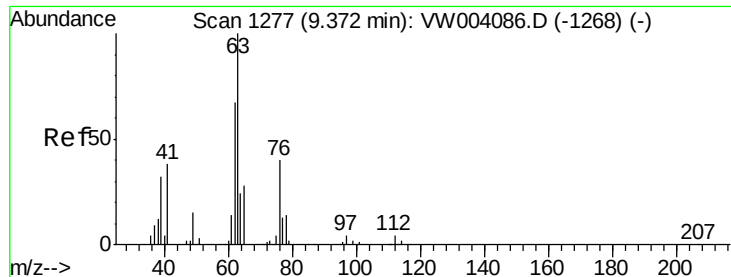
Tgt Ion:	95	Resp:	137051
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.7	83.1
132	95.8	66.1	122.7
130	100.7	68.9	127.9



#36
 Methylcyclohexane
 Concen: 26.141 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion:	83	Resp:	244594
Ion	Ratio	Lower	Upper
83	100		
55	80.9	65.8	98.6
98	46.0	37.0	55.6





#40

1,2-Dichloropropane

Concen: 24.732 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

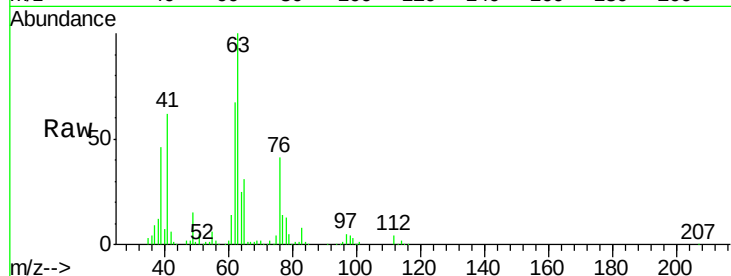
VSTD02595

Tgt Ion: 63 Resp: 141863

Ion Ratio Lower Upper

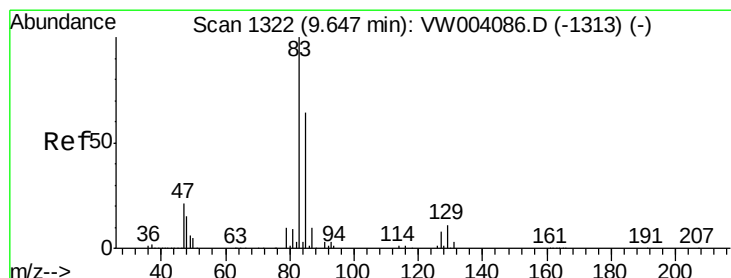
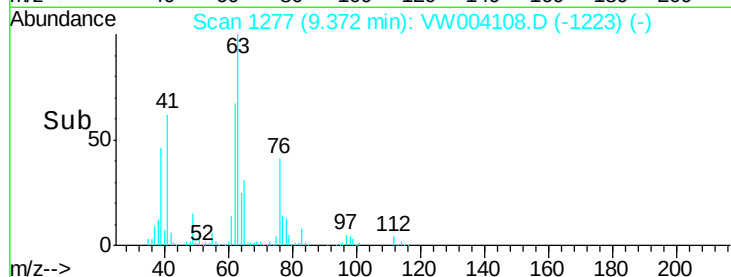
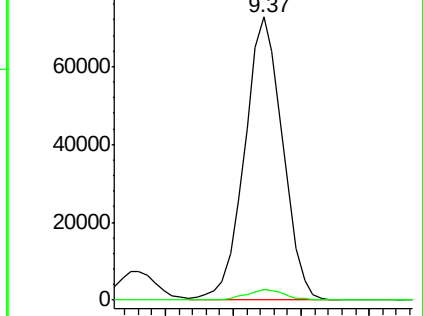
63 100

112 3.8 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.514 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

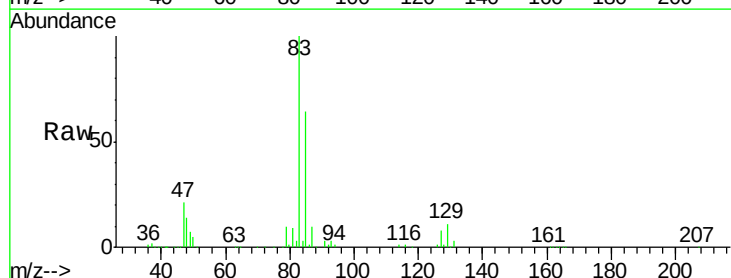
Tgt Ion: 83 Resp: 173121

Ion Ratio Lower Upper

83 100

85 63.6 44.7 82.9

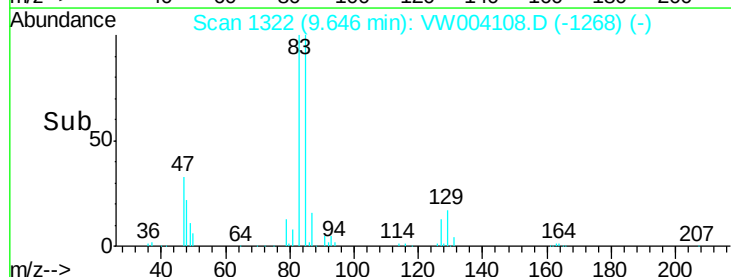
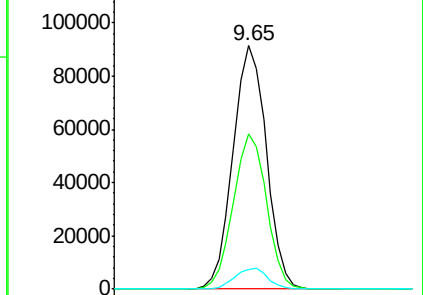
127 8.2 6.7 10.1

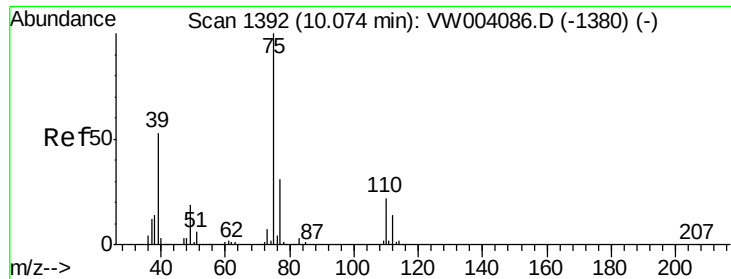


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.445 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

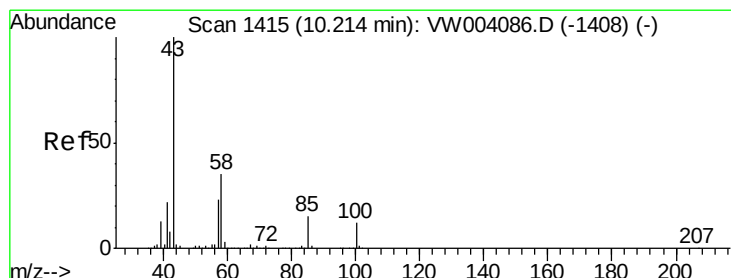
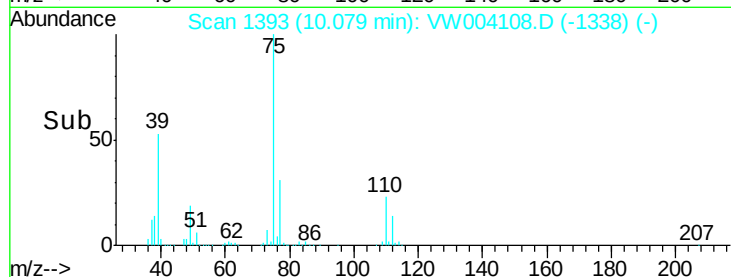
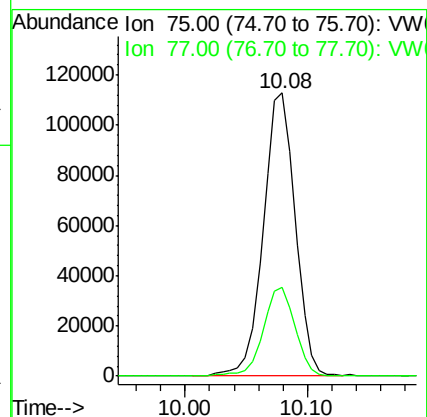
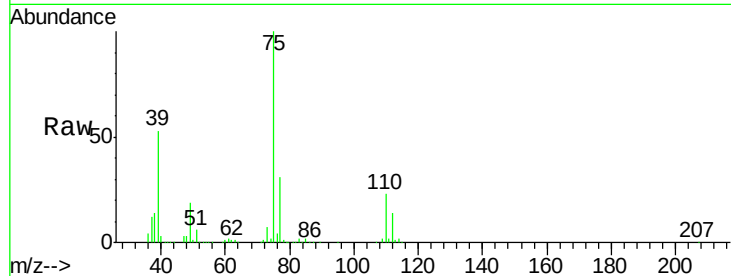
VSTD02595

Tgt Ion: 75 Resp: 205657

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 42.320 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

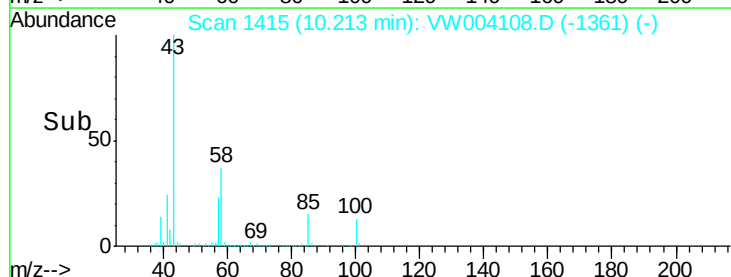
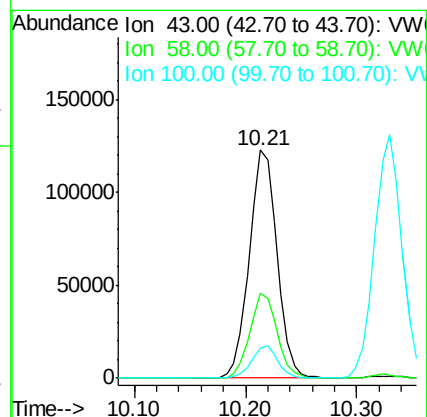
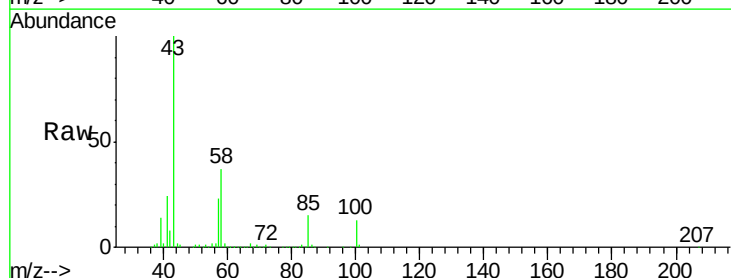
Tgt Ion: 43 Resp: 213398

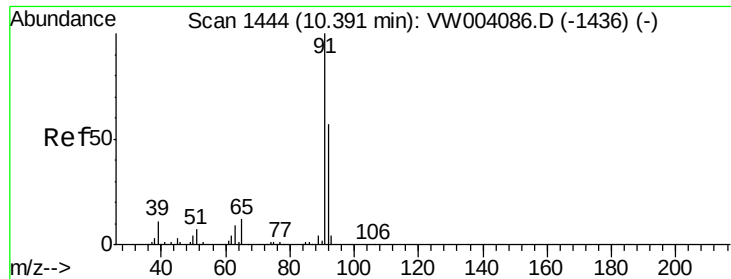
Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.2

100 13.4 10.8 16.2





#44

Toluene

Concen: 25.708 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

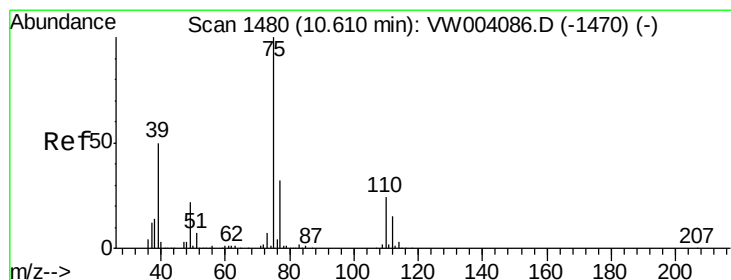
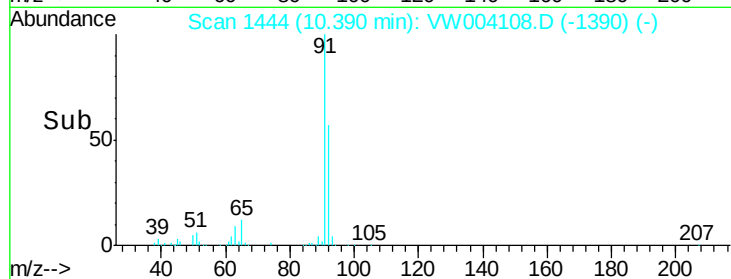
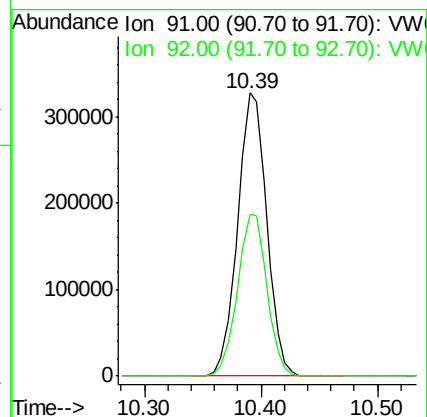
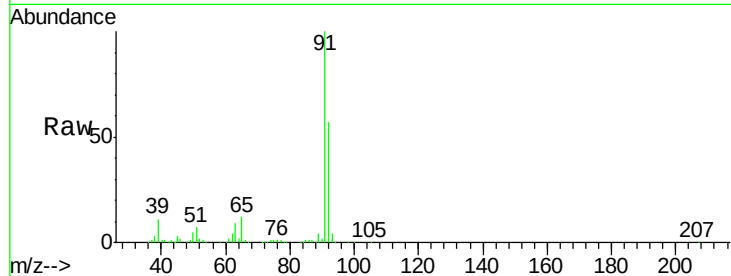
VSTD02595

Tgt Ion: 91 Resp: 569988

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.096 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004108.D

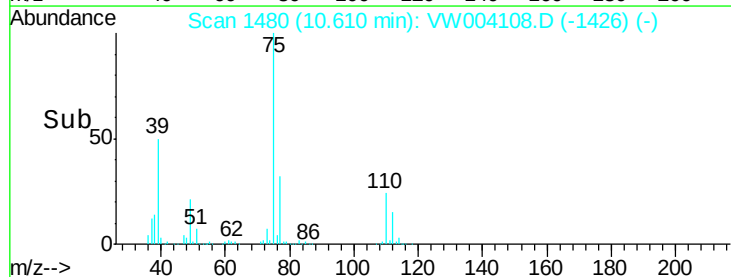
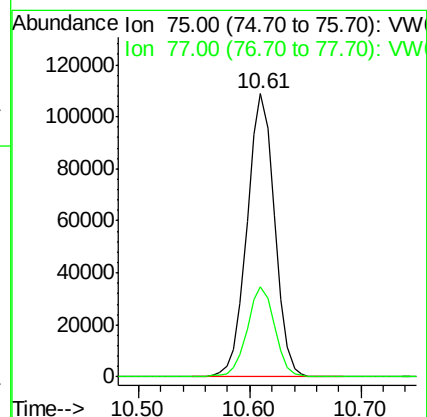
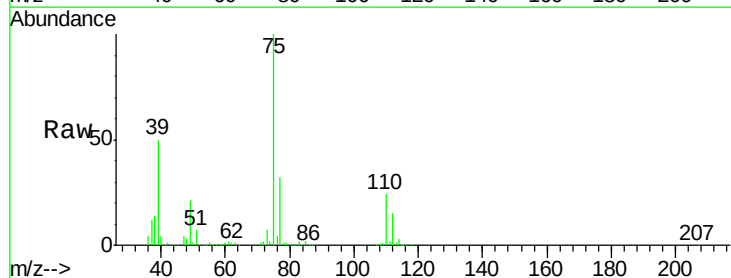
Acq: 21 Jul 2018 11:35

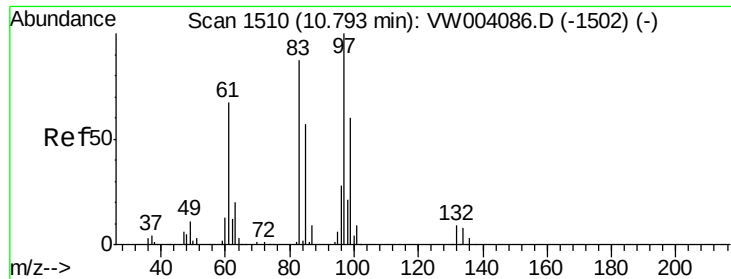
Tgt Ion: 75 Resp: 187085

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7

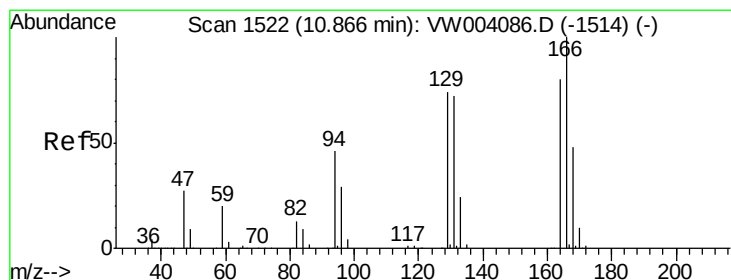
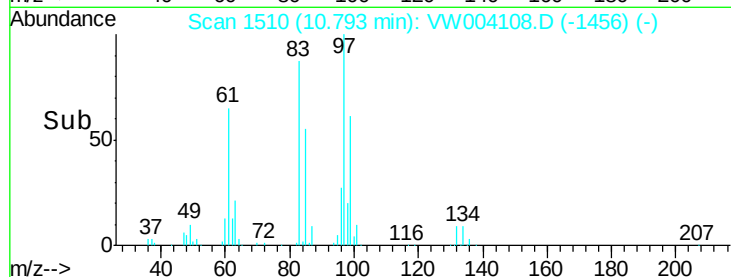
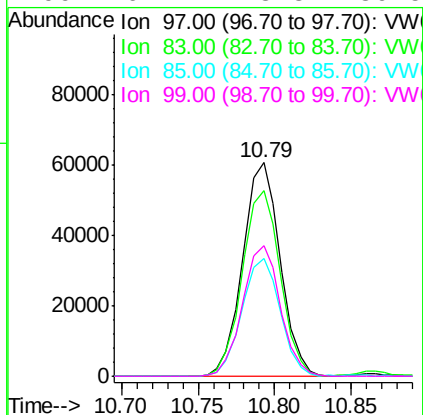
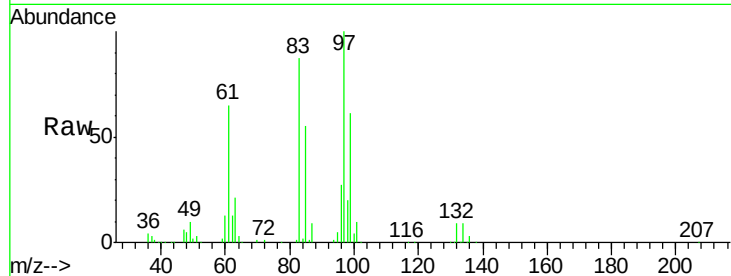




#46
 1,1,2-Trichloroethane
 Concen: 23.226 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

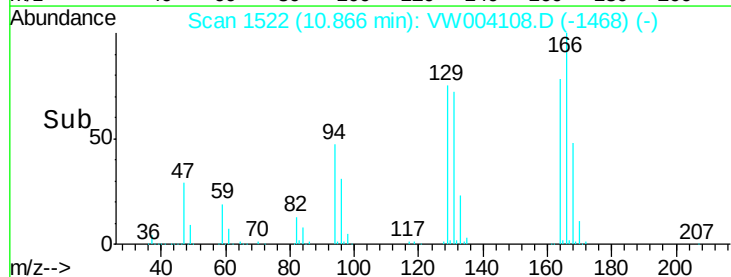
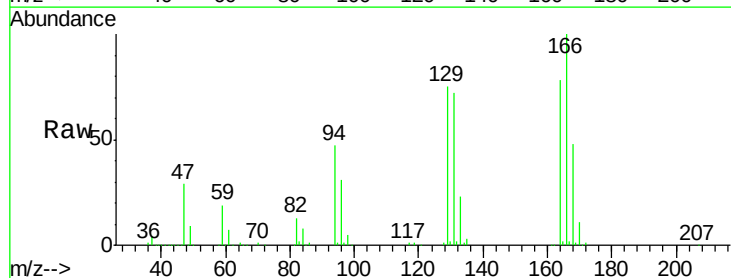
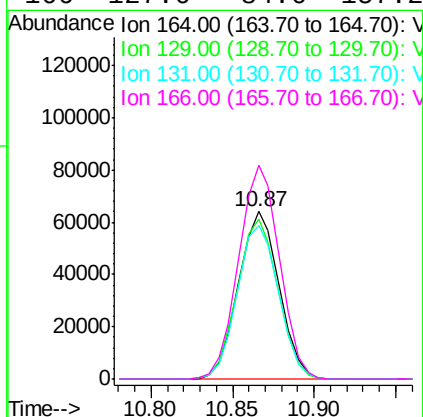
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

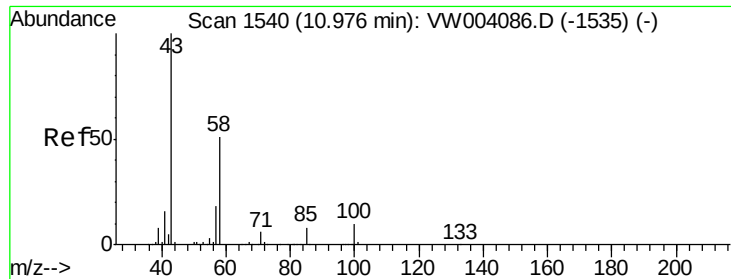
Tgt Ion: 97 Resp: 103538
 Ion Ratio Lower Upper
 97 100
 83 86.7 59.4 110.4
 85 55.4 40.0 74.2
 99 61.4 43.3 80.5



#47
 Tetrachloroethene
 Concen: 24.377 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion: 164 Resp: 111299
 Ion Ratio Lower Upper
 164 100
 129 95.3 63.1 117.3
 131 91.4 62.8 116.6
 166 127.6 84.6 157.2





#49

2-Hexanone

Concen: 42.197 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02595

Tgt Ion: 43 Resp: 164731

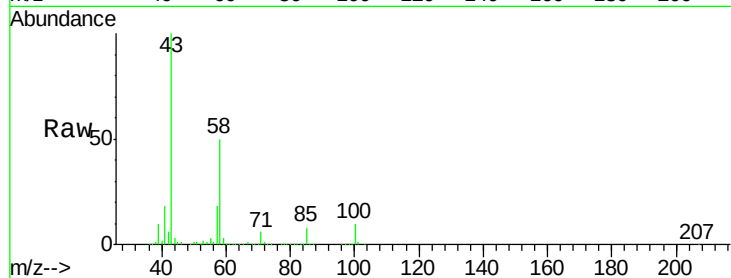
Ion Ratio Lower Upper

43 100

58 50.6 40.4 60.6

57 18.3 14.0 21.0

100 10.2 8.2 12.2

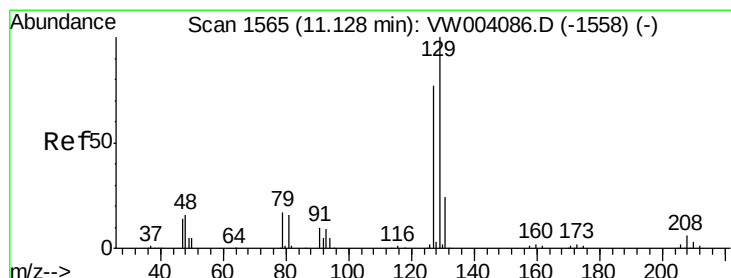
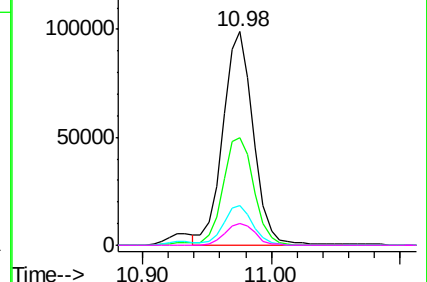
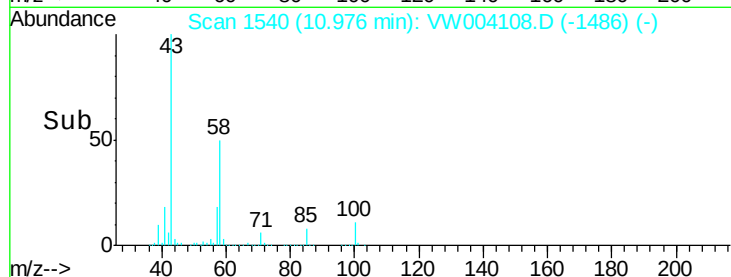


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.372 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW004108.D

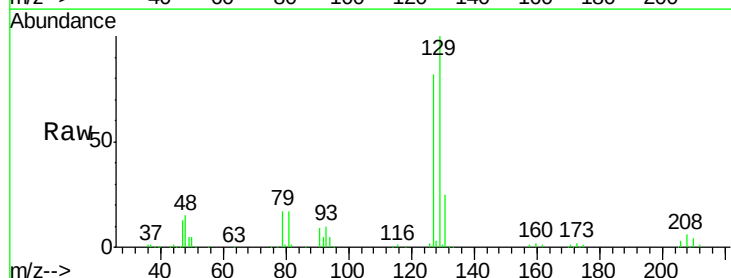
Acq: 21 Jul 2018 11:35

Tgt Ion: 129 Resp: 121712

Ion Ratio Lower Upper

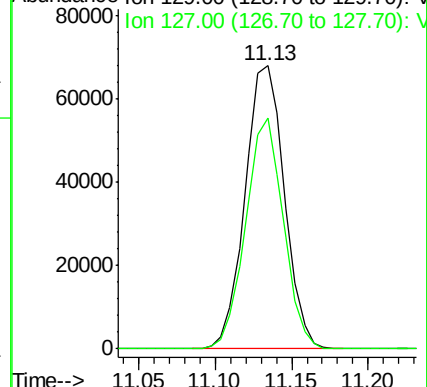
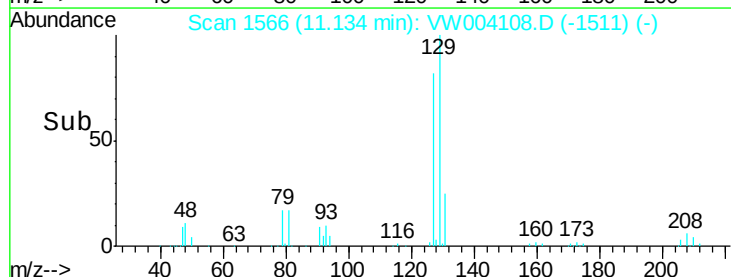
129 100

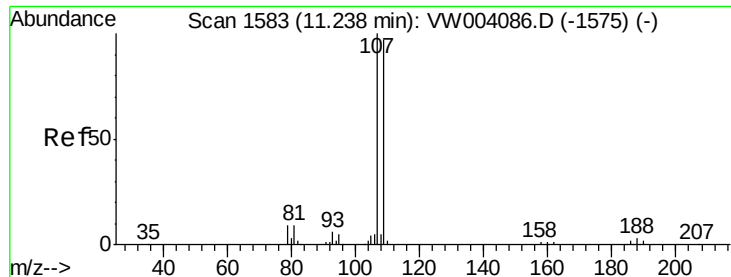
127 81.6 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

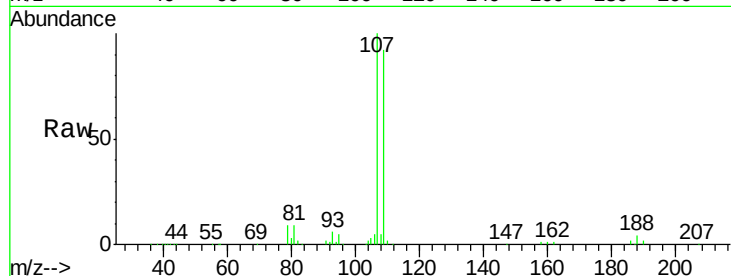




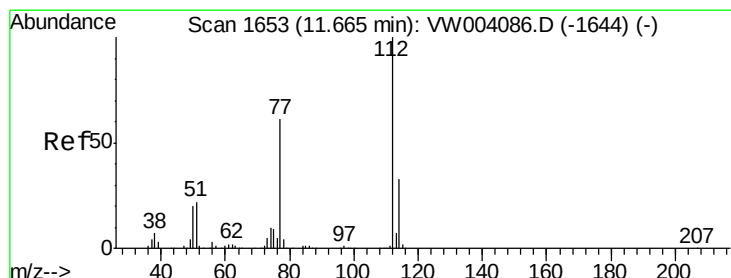
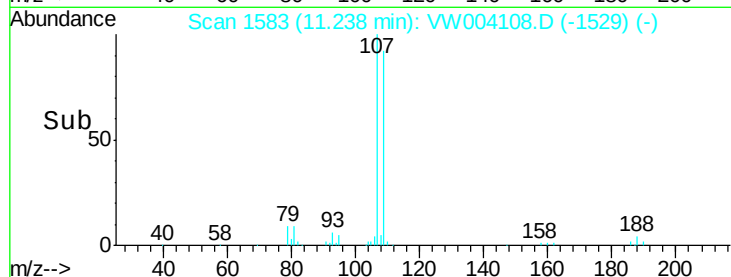
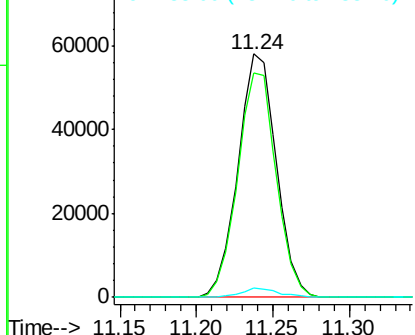
#51
1,2-Dibromoethane
Concen: 23.128 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

Tgt Ion:107 Resp: 100698
Ion Ratio Lower Upper
107 100
109 92.0 65.2 121.0
188 3.7 2.9 4.3

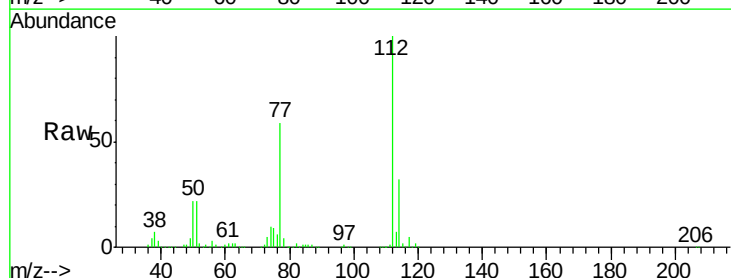


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

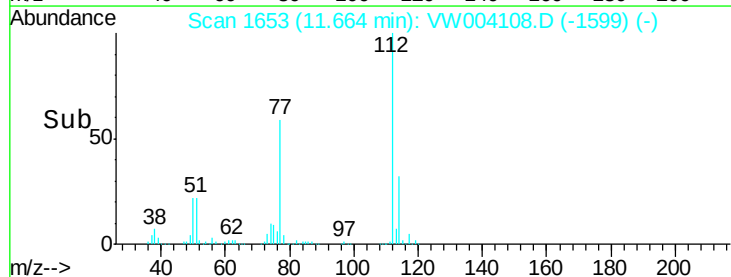
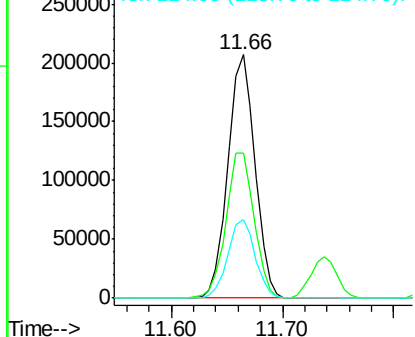


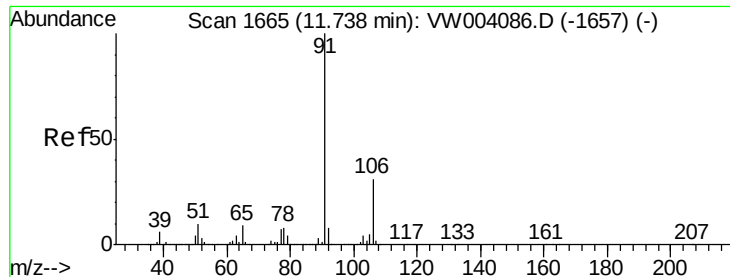
#52
Chlorobenzene
Concen: 24.541 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion:112 Resp: 348872
Ion Ratio Lower Upper
112 100
77 59.5 47.7 71.5
114 32.0 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.405 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

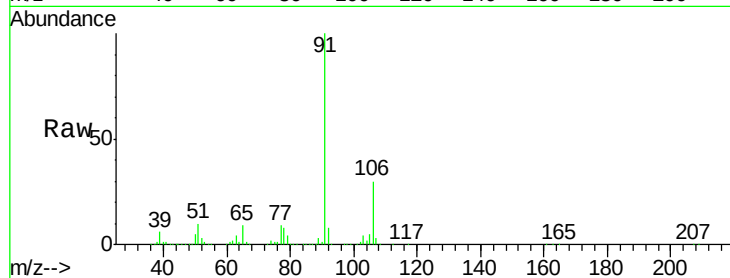
VSTD02595

Tgt Ion: 91 Resp: 633718

Ion Ratio Lower Upper

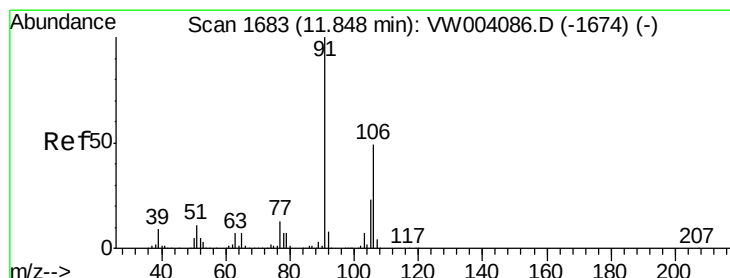
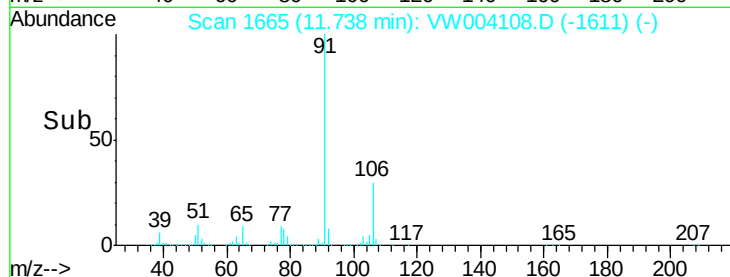
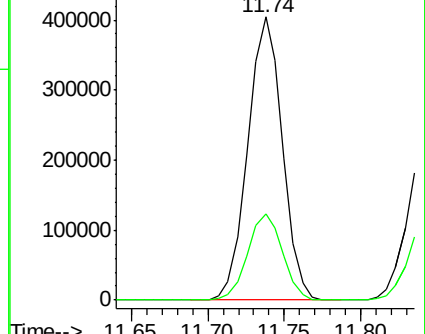
91 100

106 30.5 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.899 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004108.D

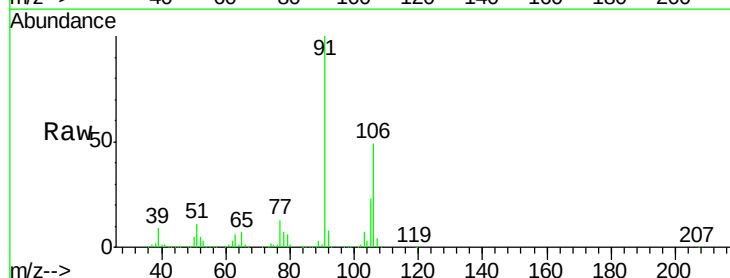
Acq: 21 Jul 2018 11:35

Tgt Ion: 106 Resp: 237933

Ion Ratio Lower Upper

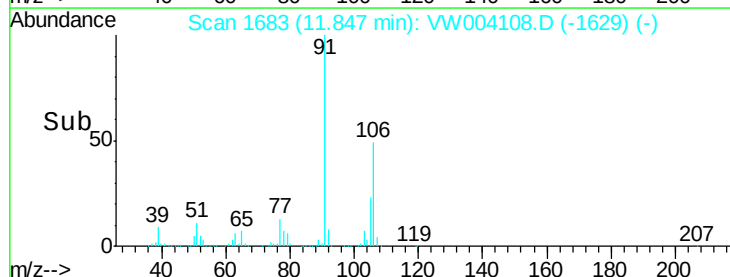
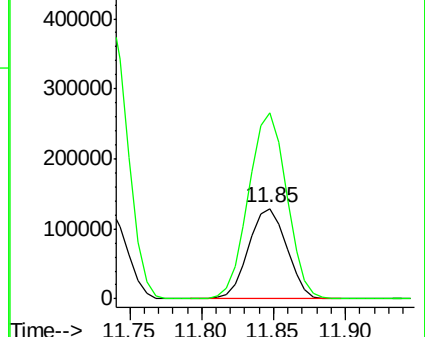
106 100

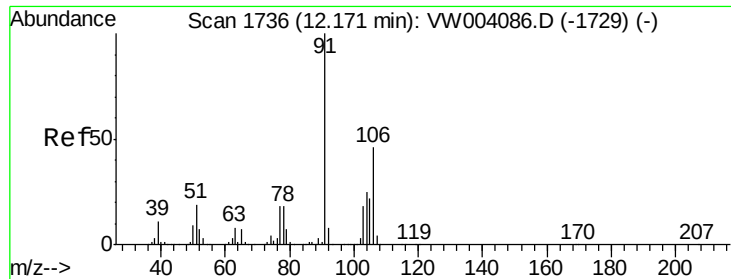
91 205.5 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

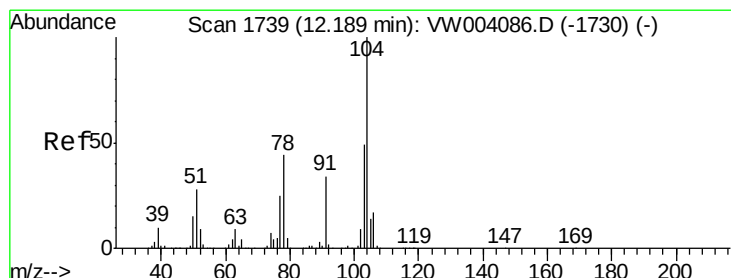
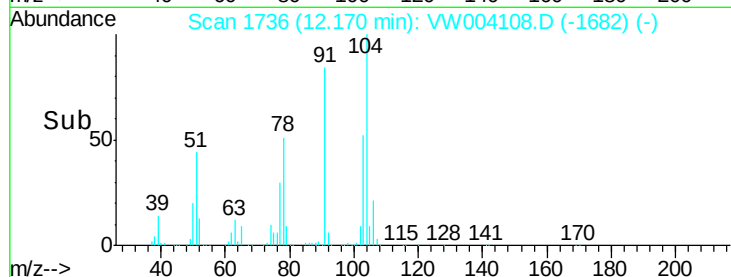
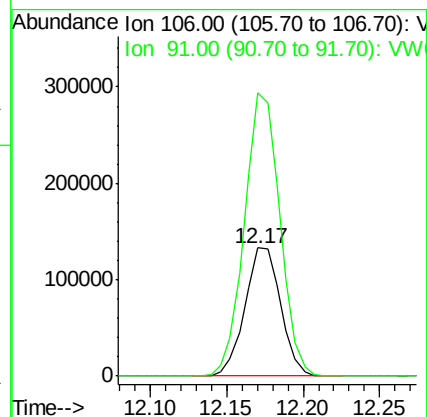
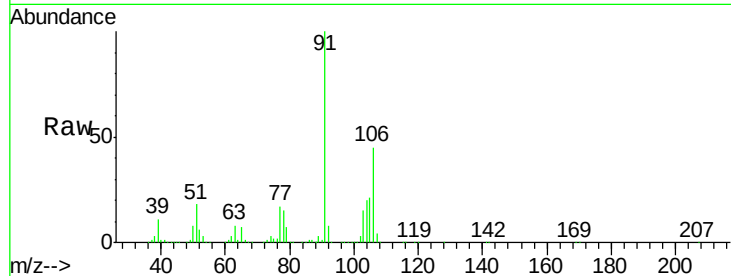




#55
o-xylene
Concen: 25.618 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

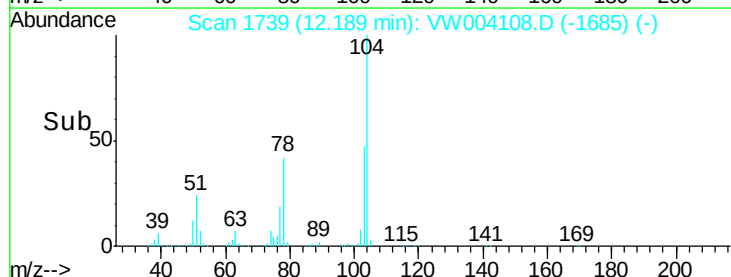
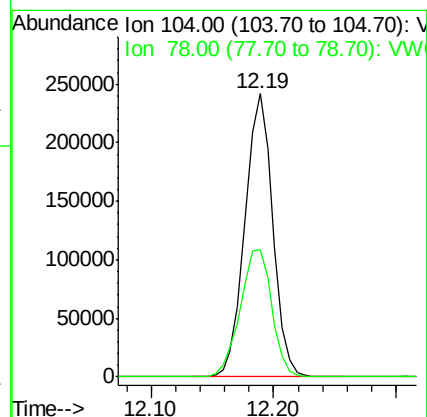
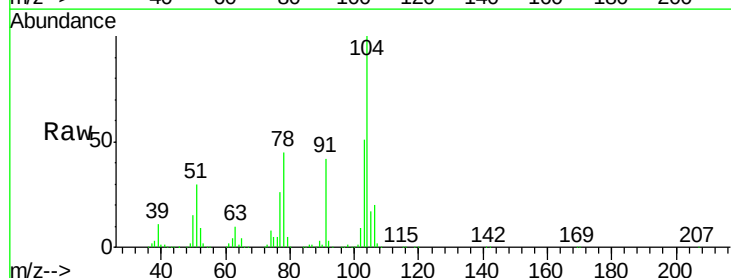
Instrument :
MSVOA_W
ClientSampleId :
VSTD02595

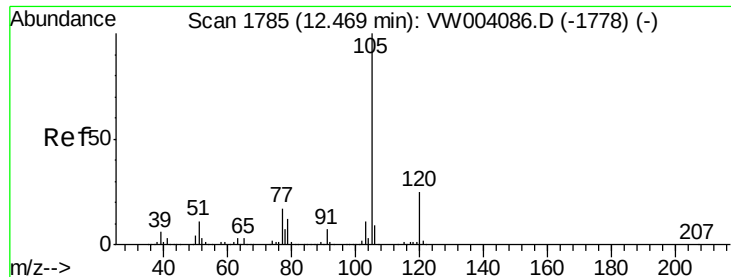
Tgt Ion:106 Resp: 216751
Ion Ratio Lower Upper
106 100
91 221.3 151.3 280.9



#56
Styrene
Concen: 26.085 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004108.D
Acq: 21 Jul 2018 11:35

Tgt Ion:104 Resp: 381262
Ion Ratio Lower Upper
104 100
78 45.0 32.2 59.8





#57

Isopropylbenzene

Concen: 27.082 ug/L

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02595

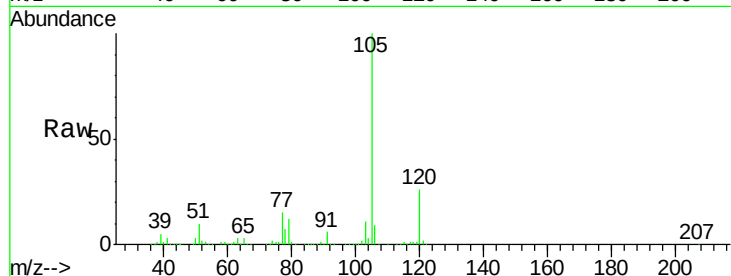
Tgt Ion: 105 Resp: 628222

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

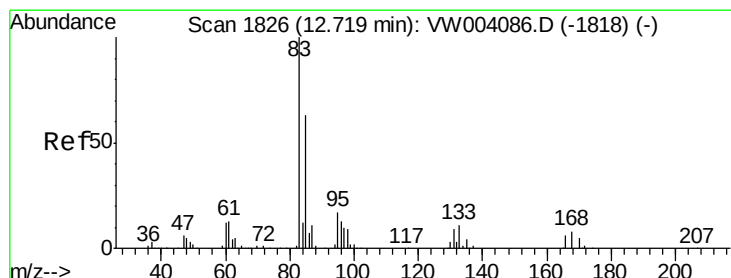
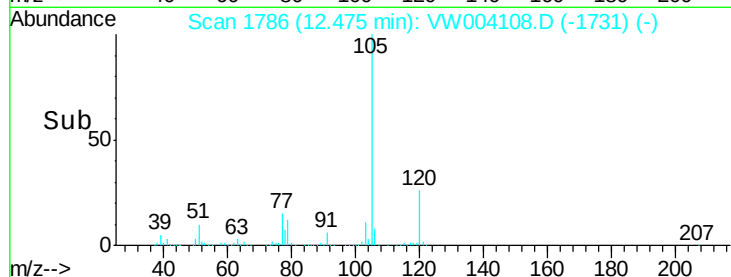
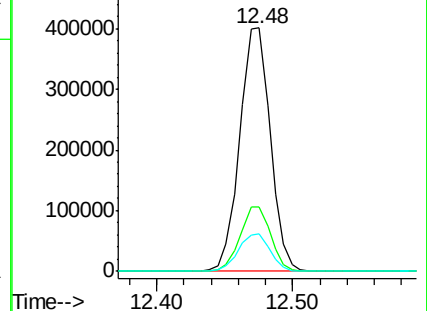
77 16.0 13.1 19.7



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: 21.655 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

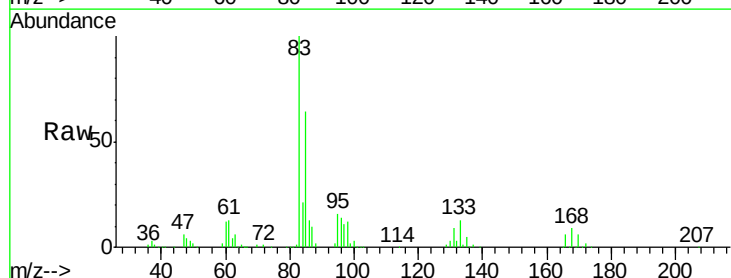
Tgt Ion: 83 Resp: 137983

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

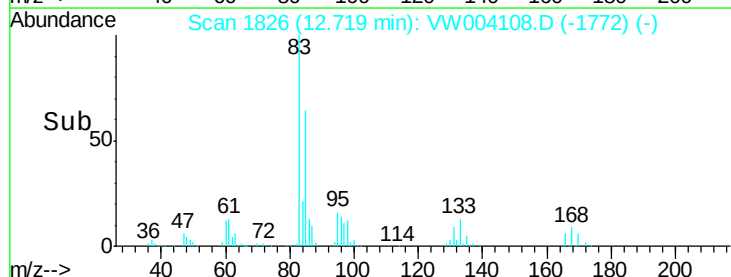
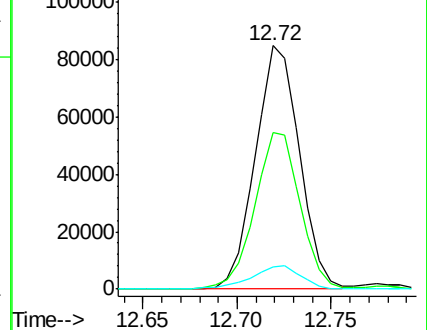
131 9.0 7.8 11.6

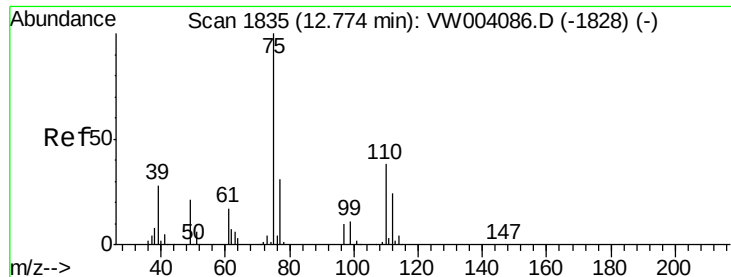


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.568 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

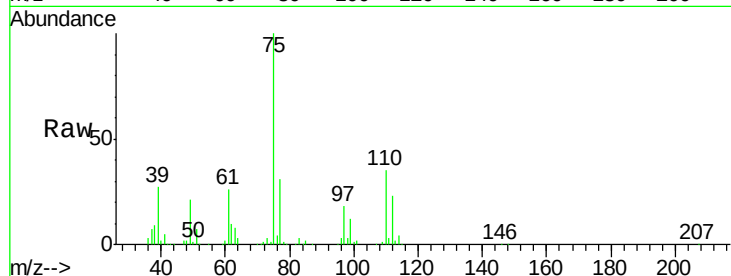
VSTD02595

Tgt Ion: 75 Resp: 106385

Ion Ratio Lower Upper

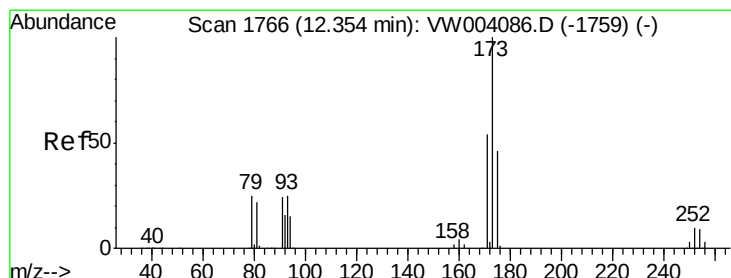
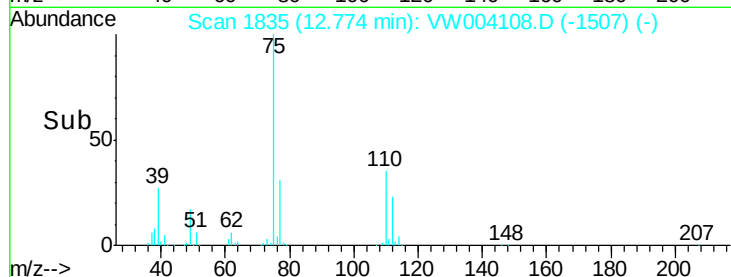
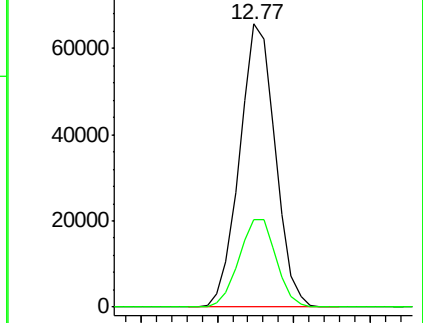
75 100

77 32.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.418 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

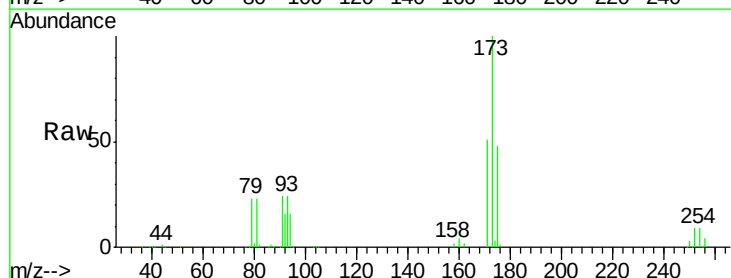
Tgt Ion: 173 Resp: 73483

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

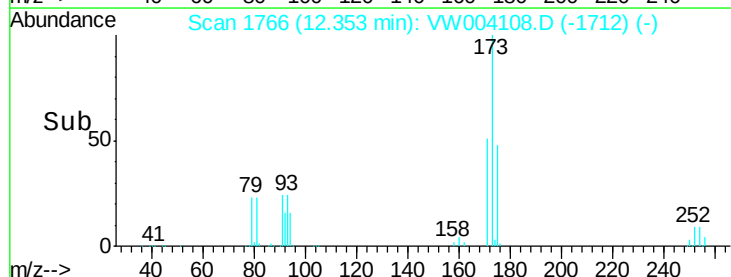
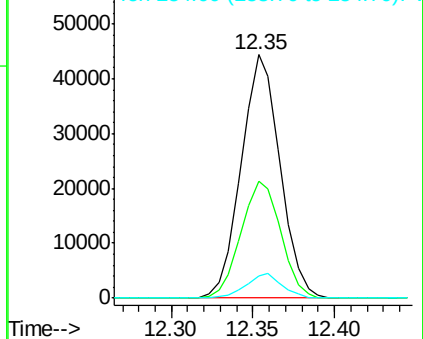
254 9.4 7.4 11.2

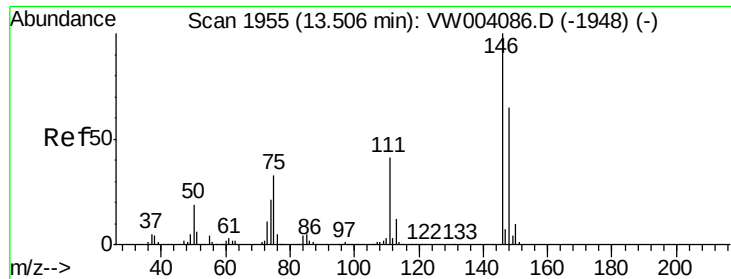


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

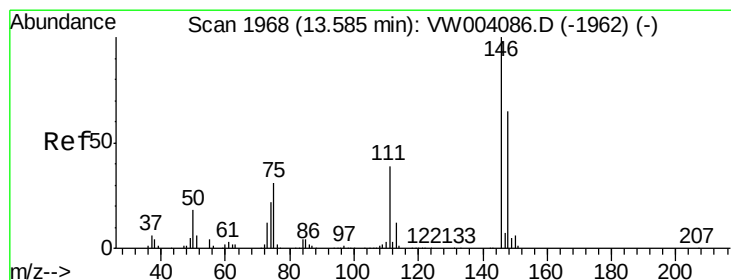
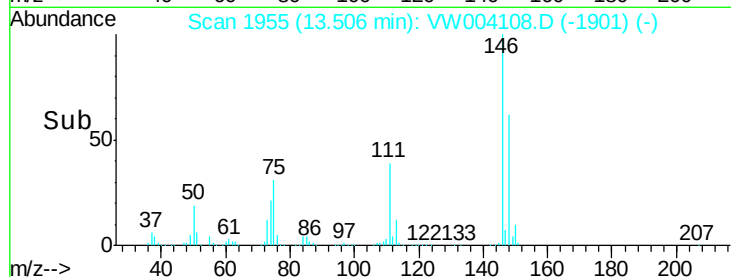
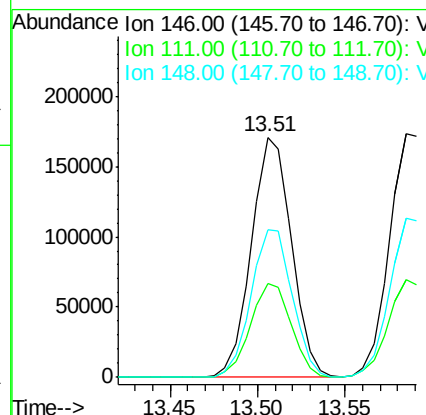
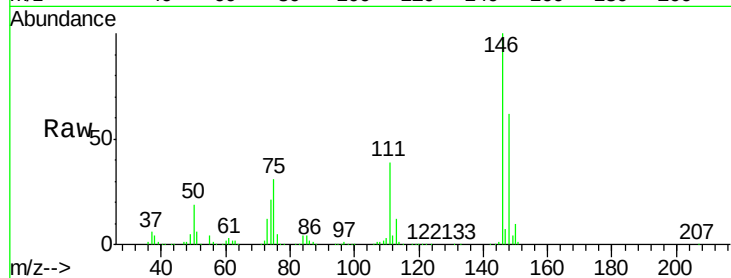




#63
 1,3-Dichlorobenzene
 Concen: 24.363 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

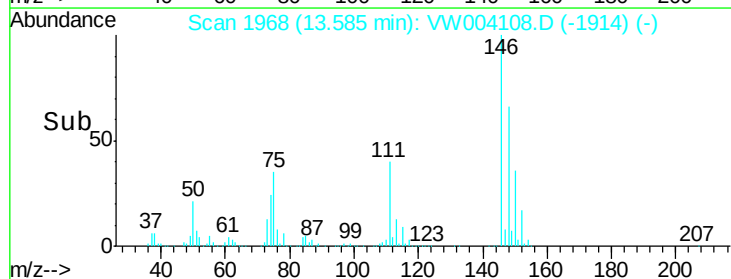
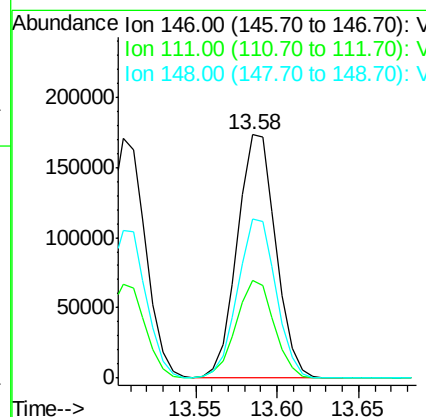
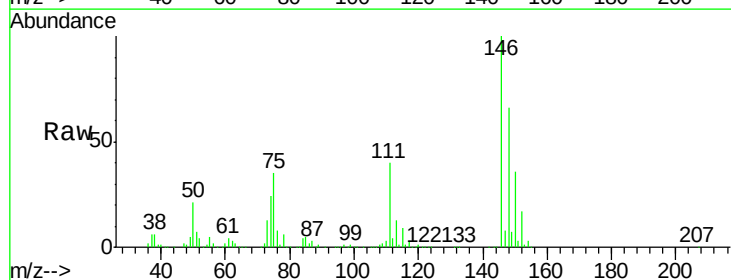
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

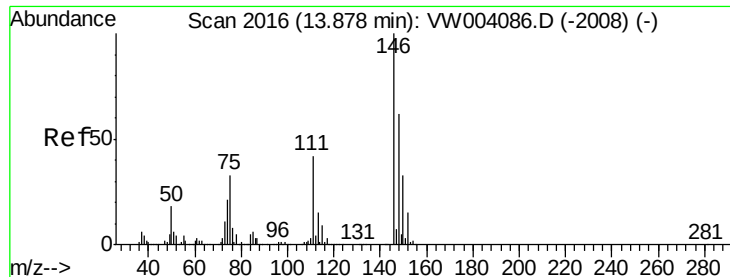
Tgt Ion:146 Resp: 272802
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.9 51.7
 148 61.6 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 23.751 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion:146 Resp: 285147
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.8 49.8
 148 65.5 44.3 82.3

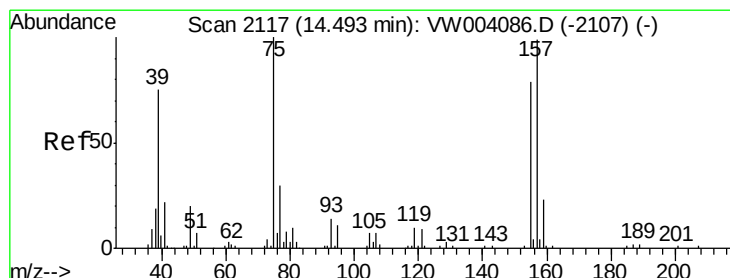
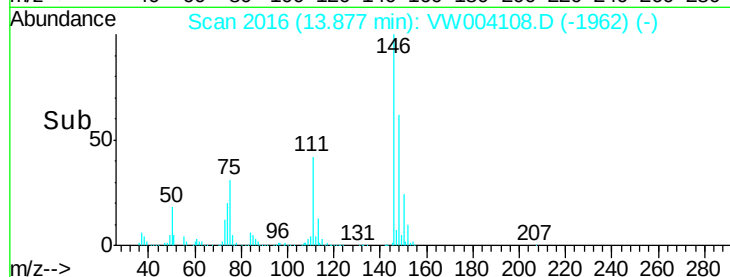
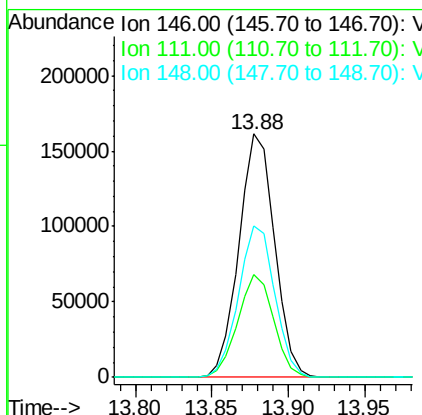
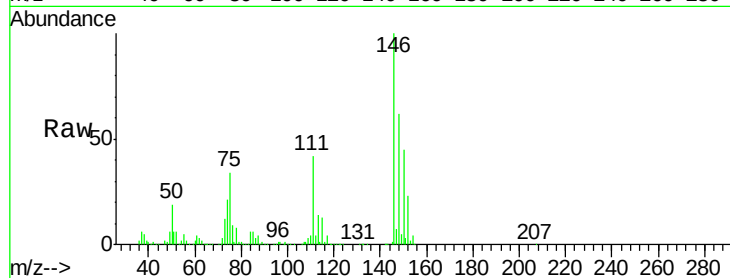




#65
 1,2-Dichlorobenzene
 Concen: 24.034 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

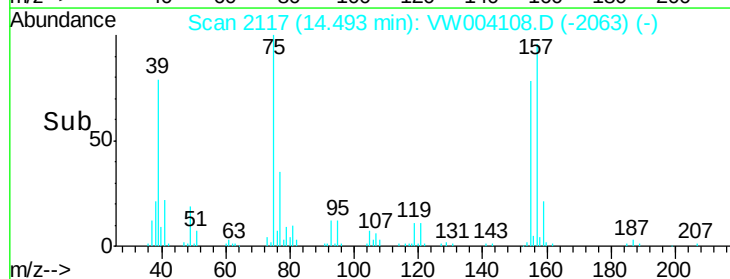
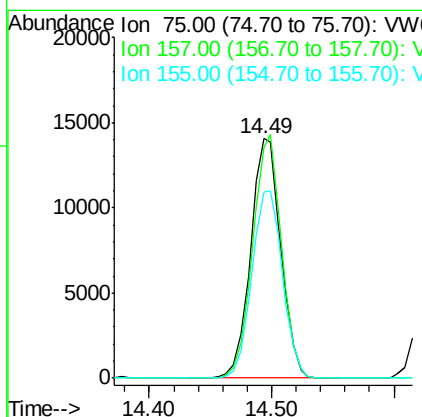
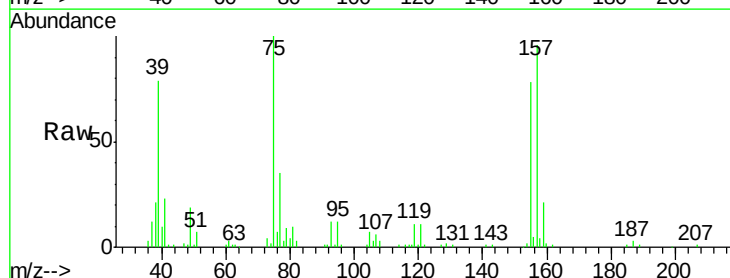
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

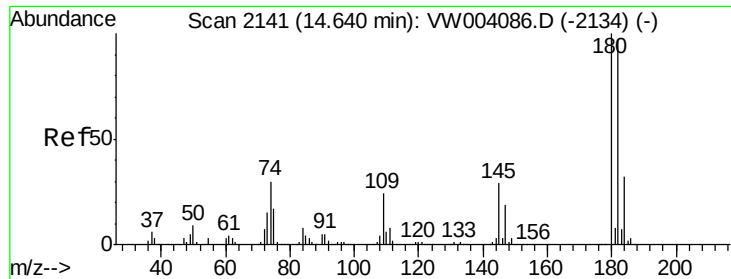
Tgt Ion: 146 Resp: 262256
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.2 49.8
 148 62.0 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.954 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion: 75 Resp: 24112
 Ion Ratio Lower Upper
 75 100
 157 96.2 77.9 116.9
 155 77.7 61.8 92.8

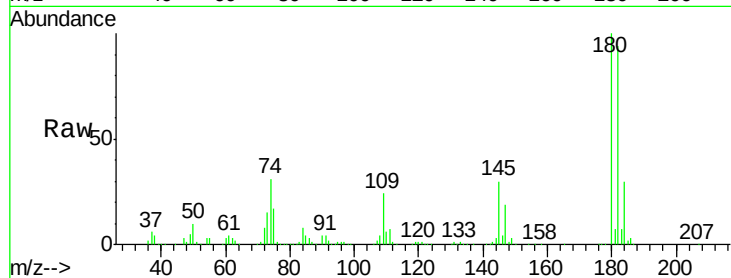




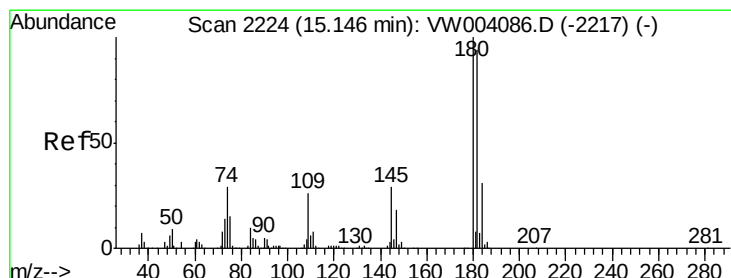
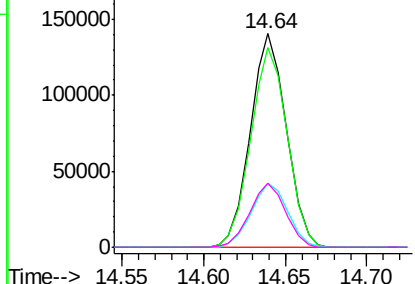
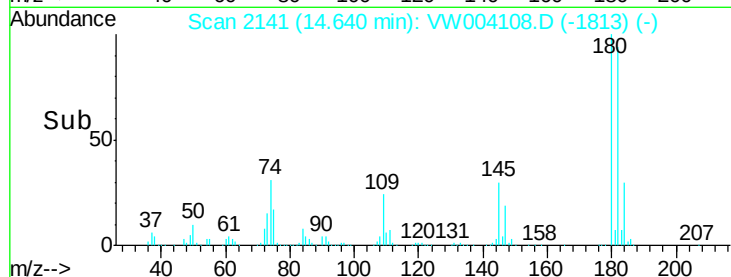
#67
 1,3,5-Trichlorobenzene
 Concen: 24.297 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Tgt Ion:	180	Resp:	215132
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.5	113.3
184	30.4	24.0	36.0
145	29.8	23.3	34.9

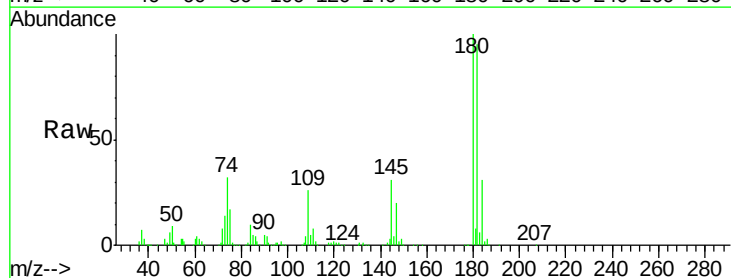


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

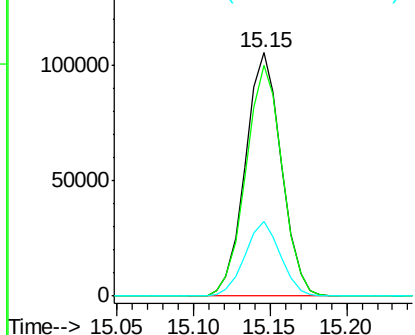
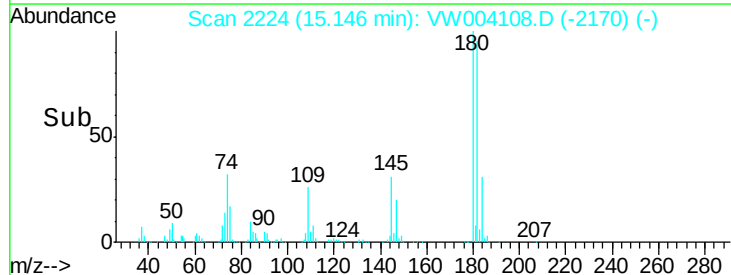


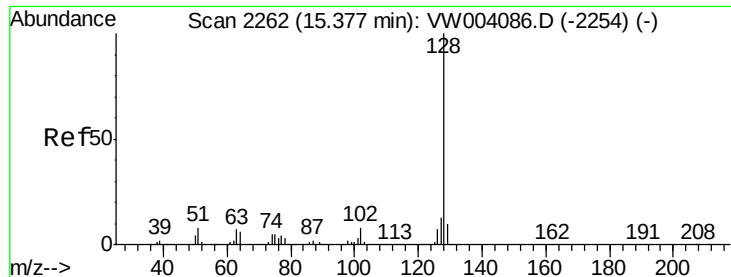
#68
 1,2,4-trichlorobenzene
 Concen: 24.229 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004108.D
 Acq: 21 Jul 2018 11:35

Tgt Ion:	180	Resp:	172042
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.8	116.6
145	30.3	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: 23.029 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02595

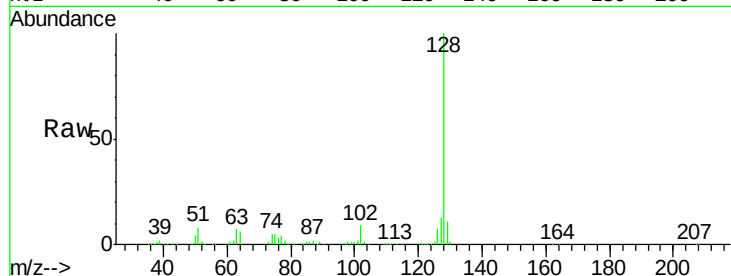
Tgt Ion:128 Resp: 368171

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

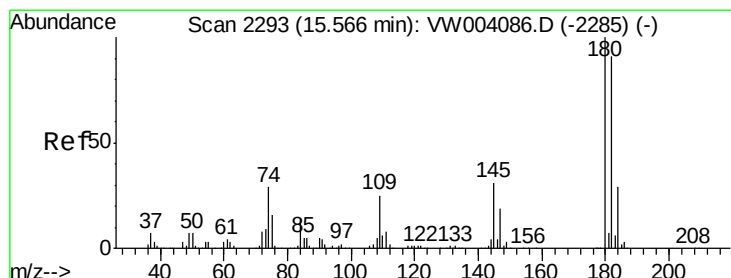
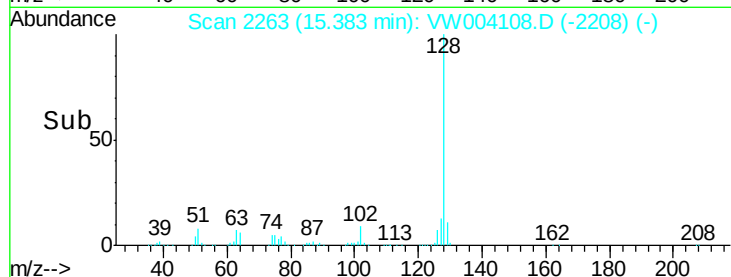
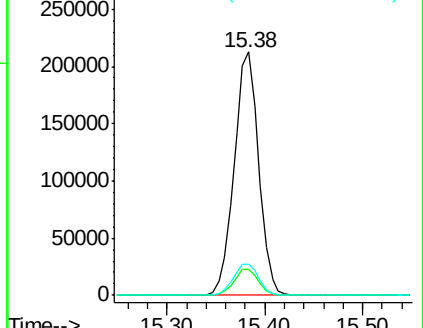
127 13.3 10.9 16.3



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: 24.805 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004108.D

Acq: 21 Jul 2018 11:35

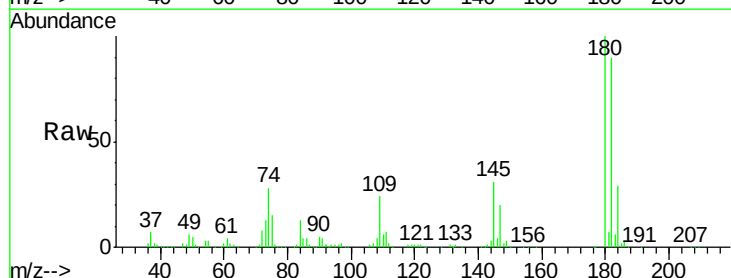
Tgt Ion:180 Resp: 167579

Ion Ratio Lower Upper

180 100

182 92.8 76.6 115.0

145 31.5 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

