

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
 Data File : VW004047.D
 Acq On : 19 Jul 2018 20:22
 Operator : VA/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Quant Time: Jul 20 06:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 06:42:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	344569	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323525	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	167529	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	70450	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
7) Chloroethane-d5	2.89	69	54434	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.64%
10) 1,1-Dichloroethene-d2	4.01	63	181802	22.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.92%
20) 2-Butanone-d5	7.08	46	90805	45.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.86%
24) Chloroform-d	7.65	84	204659	25.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	8.31	65	121698	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.84%
29) Benzene-d6	8.27	84	360816	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.28	67	124509	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.52%
37) Toluene-d8	10.33	98	324368	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.20%
38) trans-1,3-Dichloropropene-	10.58	79	55457	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
39) 2-Hexanone-d5	10.93	63	67609	50.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.36%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	139444	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	133405	24.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34384	15.585	ug/L	# 87
3) Chloromethane	2.21	50	77376	21.939	ug/L	95
5) Vinyl chloride	2.36	62	116165	21.873	ug/L	98
6) Bromomethane	2.78	94	63746	22.610	ug/L	100
8) Chloroethane	2.92	64	63422	22.780	ug/L	93
9) Trichlorofluoromethane	3.25	101	61017	23.060	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	116782	24.819	ug/L	97
12) 1,1-Dichloroethene	4.03	96	110852	24.168	ug/L	95
13) Acetone	4.12	43	82965	38.182	ug/L	99
14) Carbon disulfide	4.37	76	353722	23.838	ug/L	99
15) Methyl Acetate	4.67	43	83205	22.446	ug/L	98
16) Methylene chloride	4.91	84	130524	19.745	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	229562	25.879	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	119840	25.378	ug/L	98
19) 1,1-Dichloroethane	6.21	63	230974	25.710	ug/L	99
21) 2-Butanone	7.17	43	112775	41.830	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	132265	26.205	ug/L	97

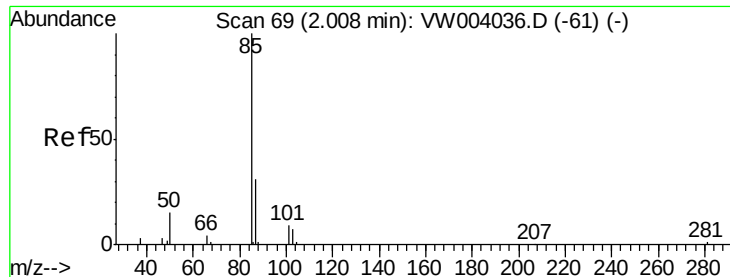
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 06:42:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62427	26.305	ug/L	96
25) Chloroform	7.68	83	239666	26.124	ug/L	99
27) 1,2-Dichloroethane	8.40	62	177092	26.191	ug/L	96
30) Cyclohexane	7.96	56	203030	25.731	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	188778	25.657	ug/L	99
32) Carbon tetrachloride	8.07	117	181427	25.557	ug/L	100
34) Benzene	8.32	78	524952	26.471	ug/L	100
35) Trichloroethene	9.09	95	134569	25.361	ug/L	99
36) Methylcyclohexane	9.34	83	231419	26.388	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141706	26.359	ug/L	99
41) Bromodichloromethane	9.65	83	177032	26.745	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	205720	27.157	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	232461	49.186	ug/L	99
44) Toluene	10.39	91	561683	27.029	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	189131	27.068	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108975	26.082	ug/L	98
47) Tetrachloroethene	10.87	164	108609	25.380	ug/L	93
49) 2-Hexanone	10.98	43	175594	47.991	ug/L	100
50) Dibromochloromethane	11.13	129	126658	27.060	ug/L	97
51) 1,2-Dibromoethane	11.24	107	105149	25.767	ug/L	99
52) Chlorobenzene	11.66	112	349049	26.197	ug/L	99
53) Ethylbenzene	11.74	91	614024	27.297	ug/L	99
54) m,p-Xylene	11.85	106	231258	27.894	ug/L	96
55) o-xylene	12.17	106	224292	28.284	ug/L	99
56) Styrene	12.19	104	396266	28.927	ug/L	99
57) Isopropylbenzene	12.47	105	613158	28.202	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	149347	25.007	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	114310	24.726	ug/L	100
62) Bromoform	12.35	173	79836	25.252	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	270781	26.243	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	283736	25.646	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	266985	26.552	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25977	22.159	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	208393	25.541	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	174358	26.647	ug/L	97
69) Naphthalene	15.38	128	393192	26.689	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	168279	27.030	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 15.585 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampled :

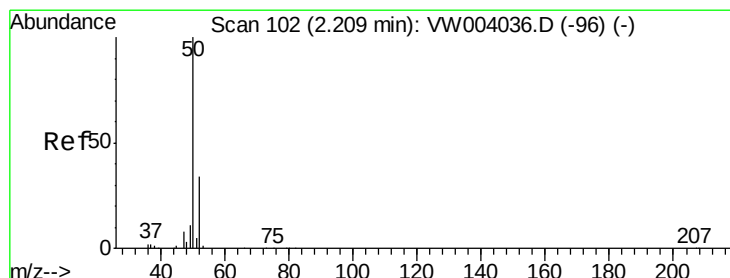
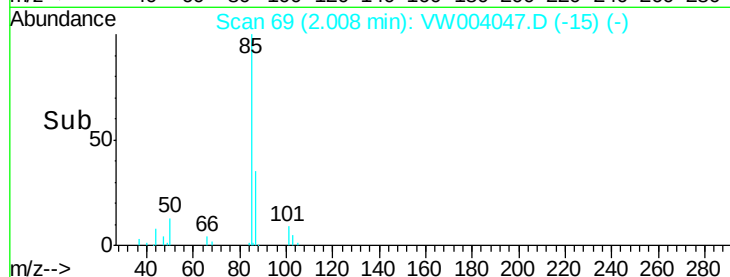
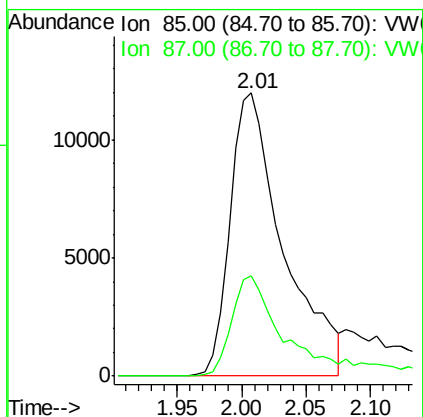
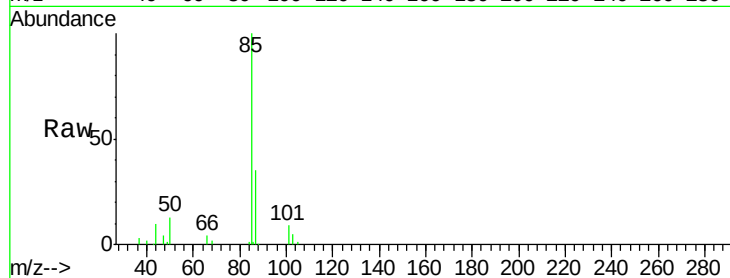
VSTD02590

Tgt Ion: 85 Resp: 34384

Ion Ratio Lower Upper

85 100

87 30.6 0.1 0.1#



#3

Chloromethane

Concen: 21.939 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004047.D

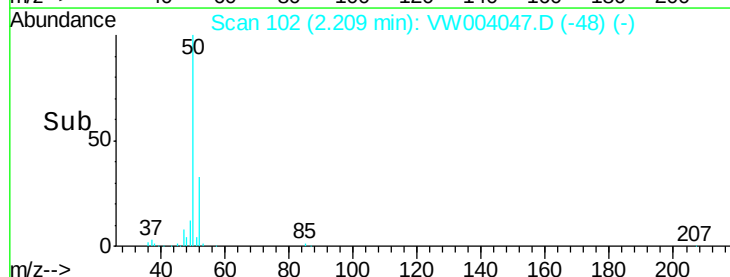
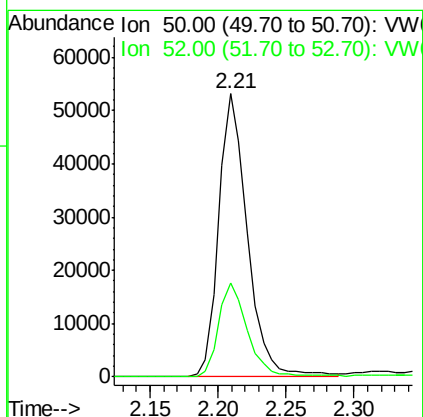
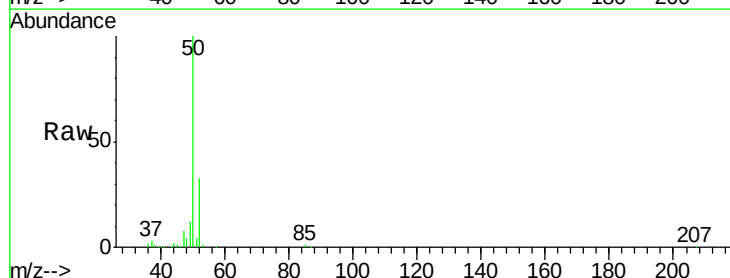
Acq: 19 Jul 2018 20:22

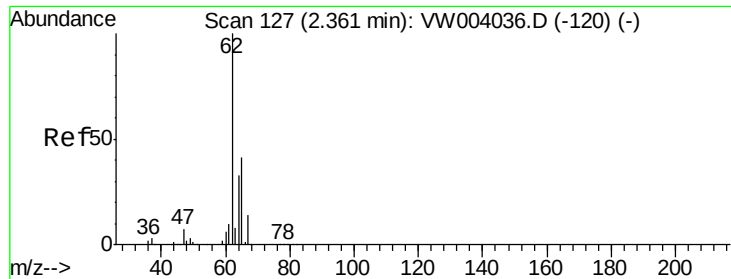
Tgt Ion: 50 Resp: 77376

Ion Ratio Lower Upper

50 100

52 33.0 21.3 39.6





#5

Vinyl chloride

Concen: 21.873 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

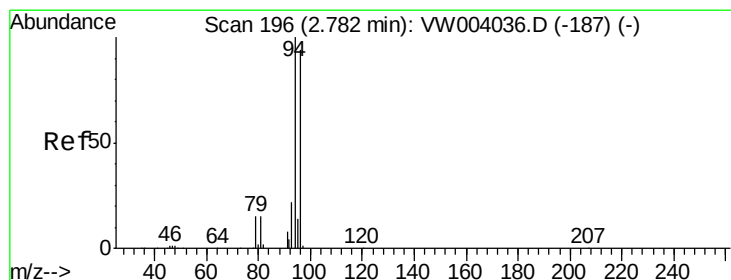
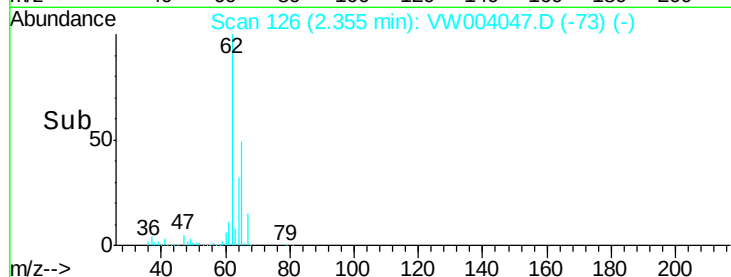
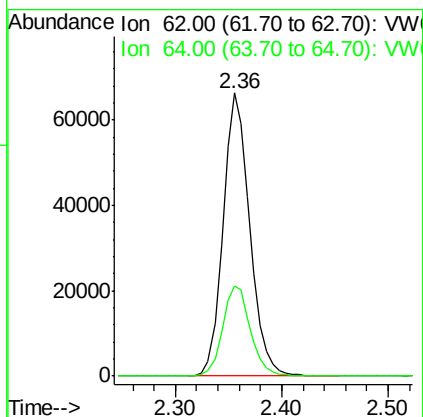
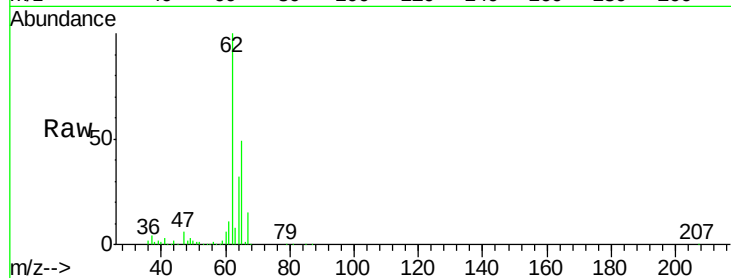
VSTD02590

Tgt Ion: 62 Resp: 116165

Ion Ratio Lower Upper

62 100

64 32.0 23.1 42.9



#6

Bromomethane

Concen: 22.610 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004047.D

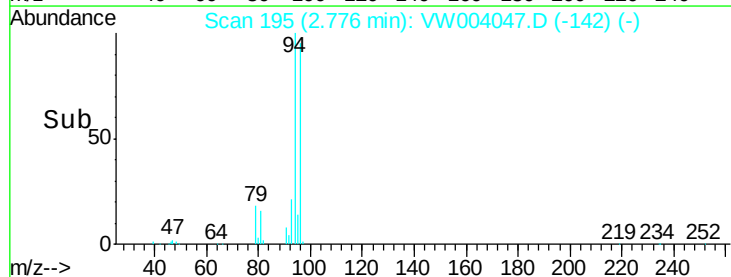
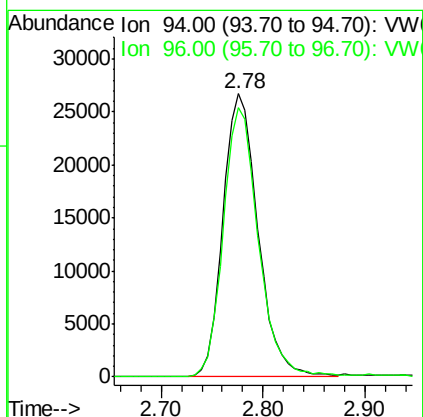
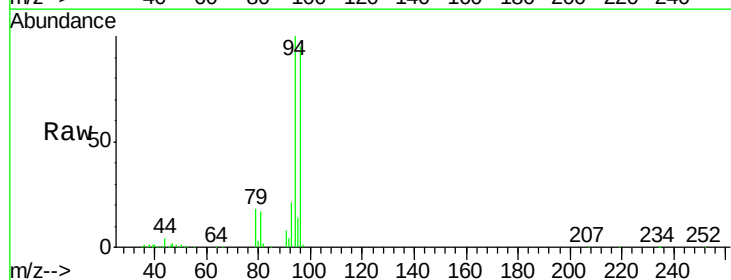
Acq: 19 Jul 2018 20:22

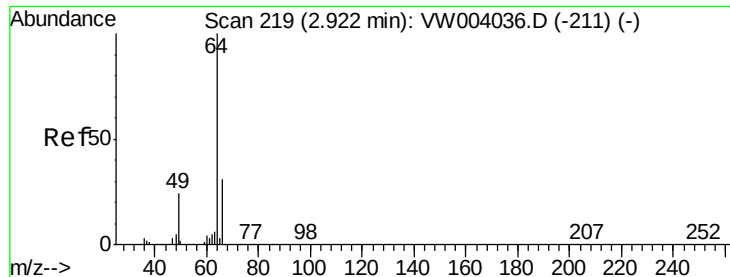
Tgt Ion: 94 Resp: 63746

Ion Ratio Lower Upper

94 100

96 94.4 9.5 179.9

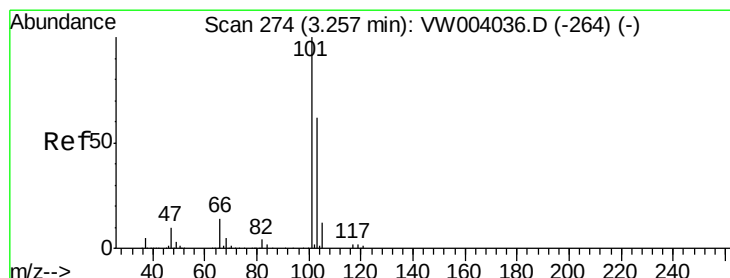
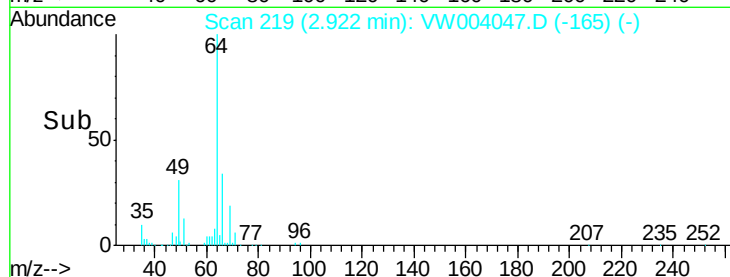
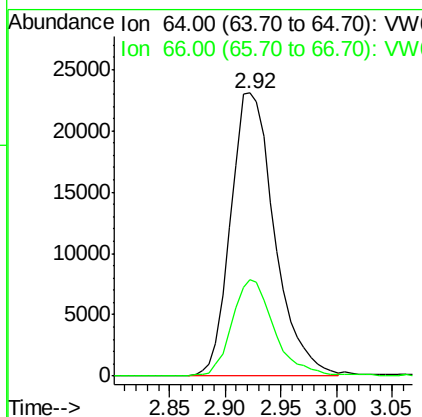
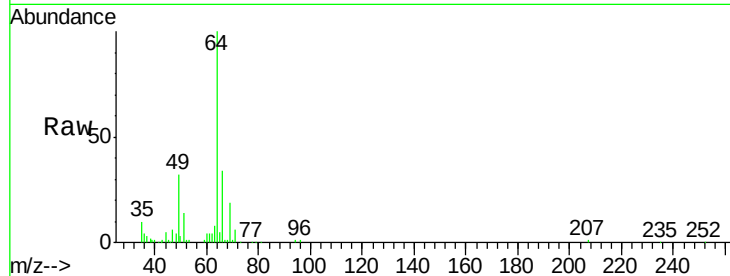




#8
Chloroethane
Concen: 22.780 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

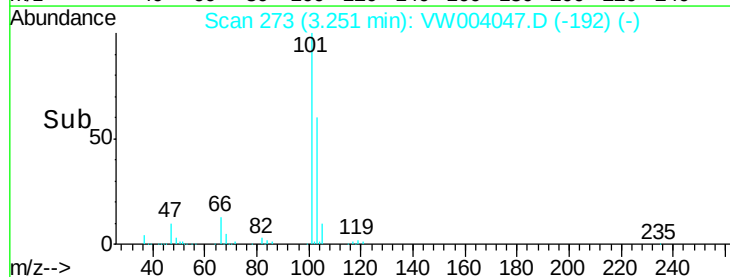
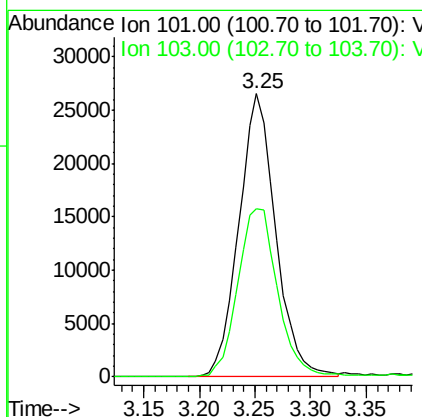
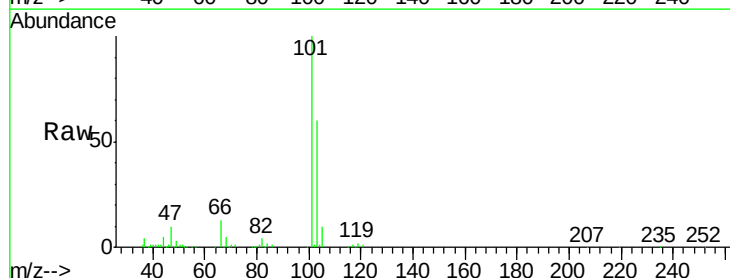
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

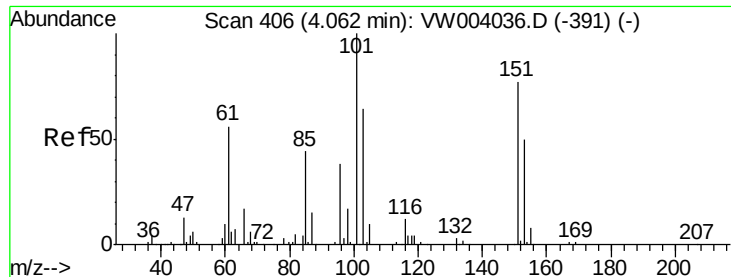
Tgt Ion: 64 Resp: 63422
Ion Ratio Lower Upper
64 100
66 34.3 21.2 39.4



#9
Trichlorofluoromethane
Concen: 23.060 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 101 Resp: 61017
Ion Ratio Lower Upper
101 100
103 64.5 45.6 84.8





#11

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

Concen: 24.819 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

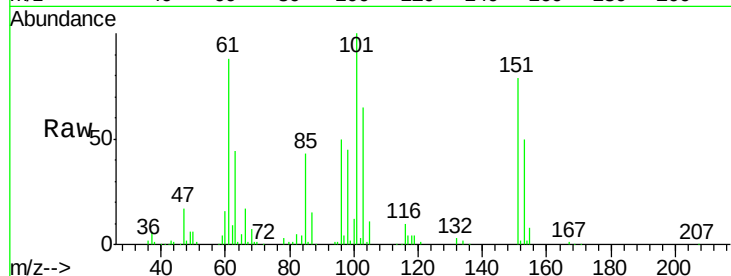
Tgt Ion: 101 Resp: 116782

Ion Ratio Lower Upper

101 100

85 43.9 36.2 54.4

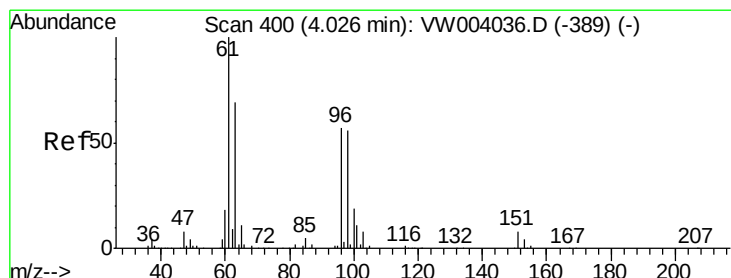
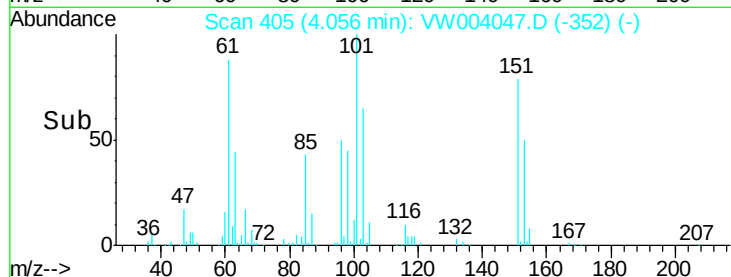
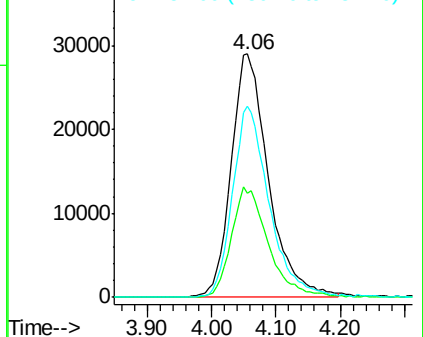
151 77.2 59.5 89.3



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: 24.168 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

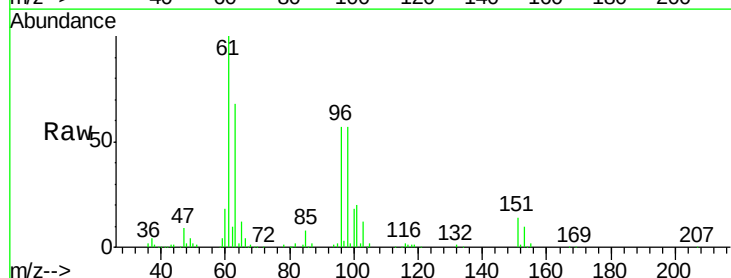
Tgt Ion: 96 Resp: 110852

Ion Ratio Lower Upper

96 100

61 176.0 127.3 236.5

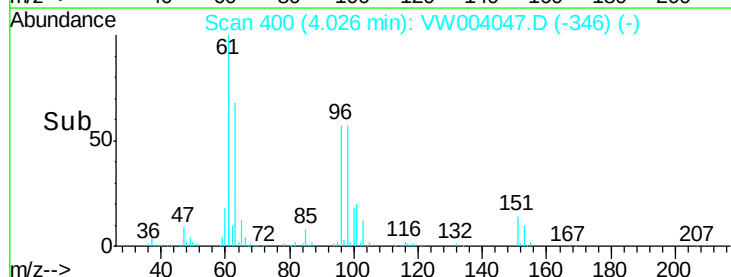
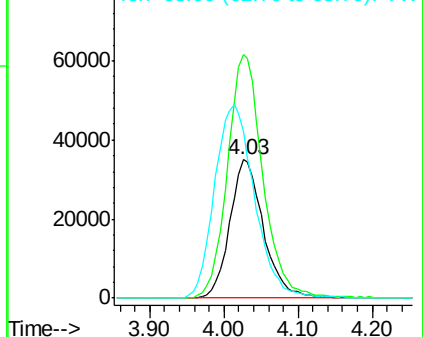
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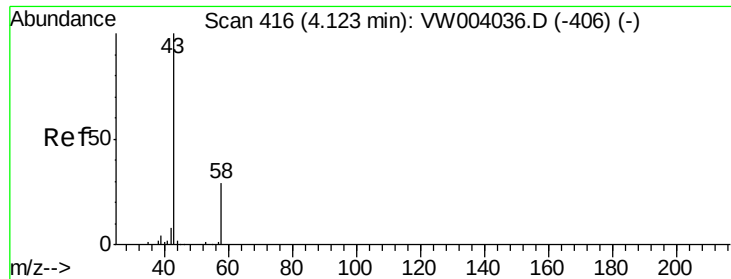


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.182 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

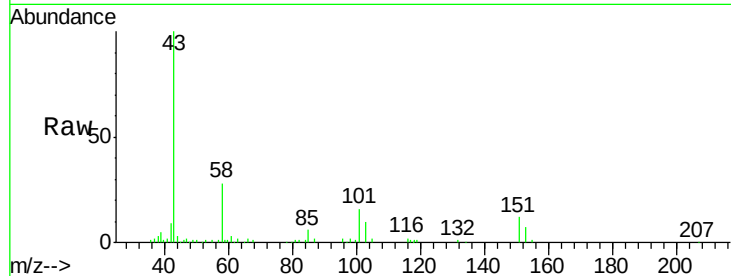
VSTD02590

Tgt Ion: 43 Resp: 82965

Ion Ratio Lower Upper

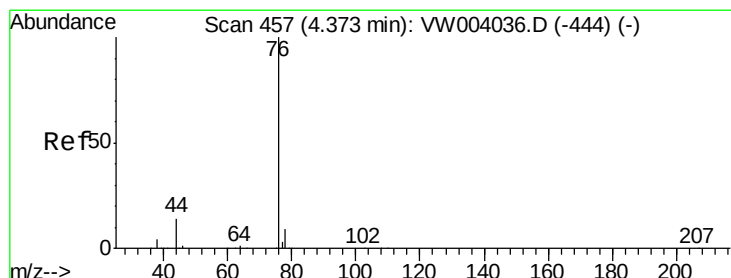
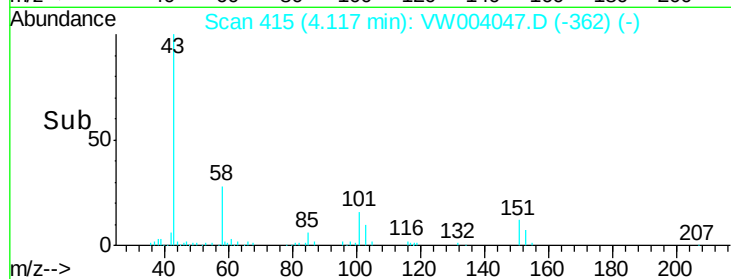
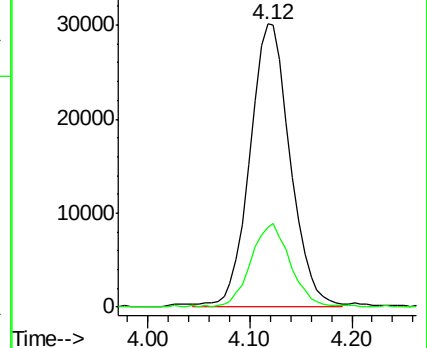
43 100

58 28.9 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: 23.838 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004047.D

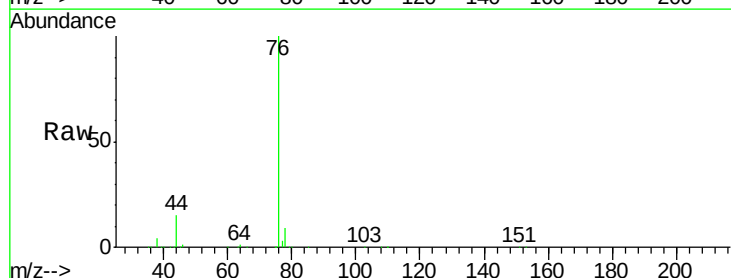
Acq: 19 Jul 2018 20:22

Tgt Ion: 76 Resp: 353722

Ion Ratio Lower Upper

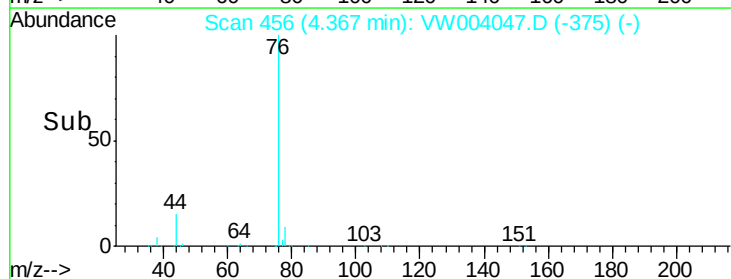
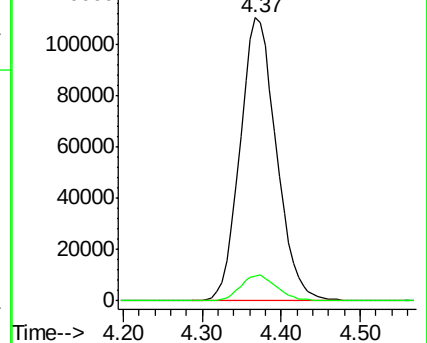
76 100

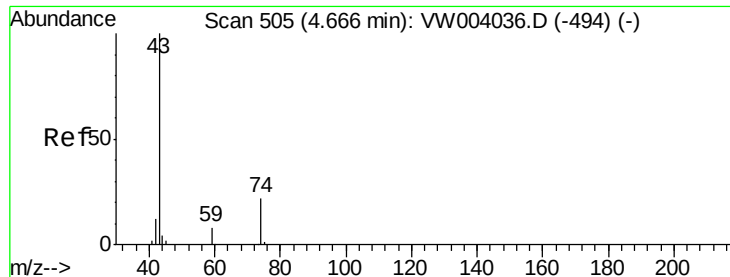
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

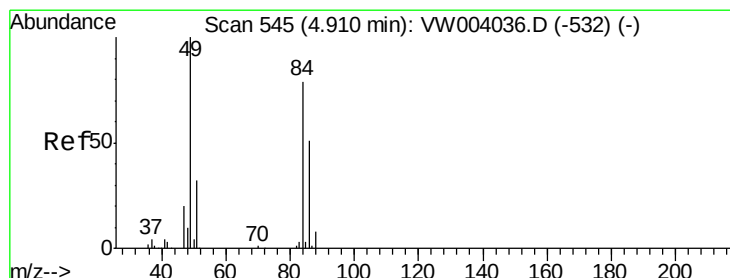
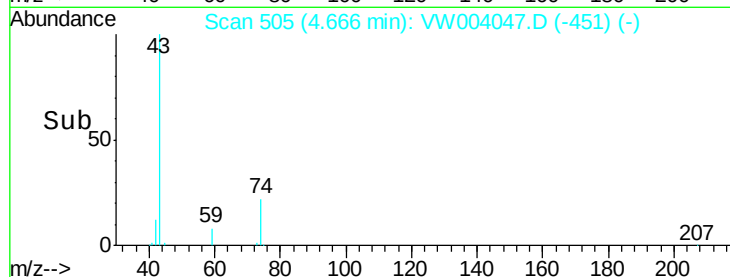
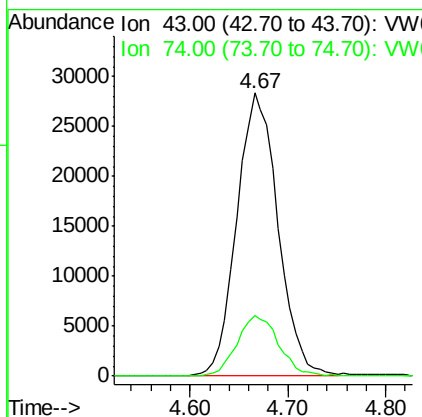
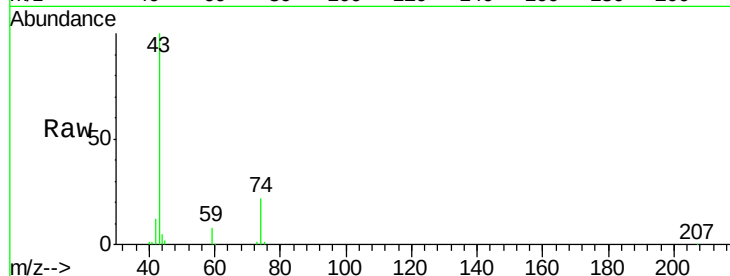




#15
Methyl Acetate
Concen: 22.446 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

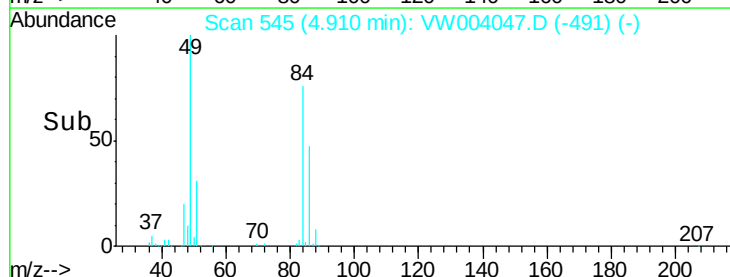
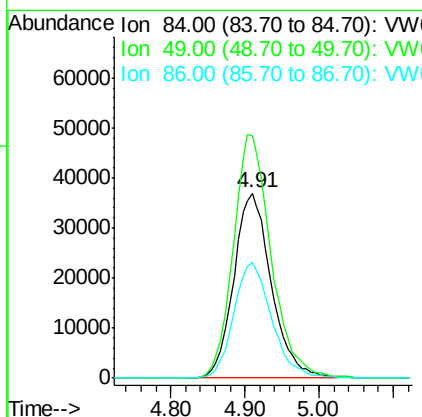
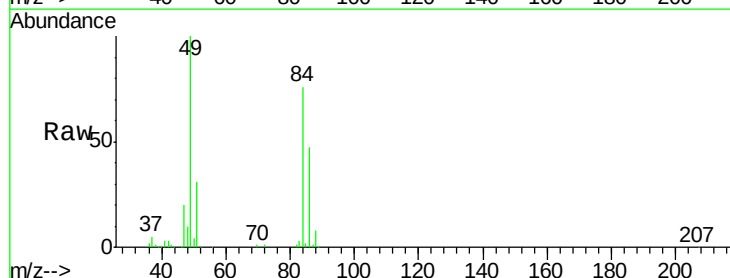
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

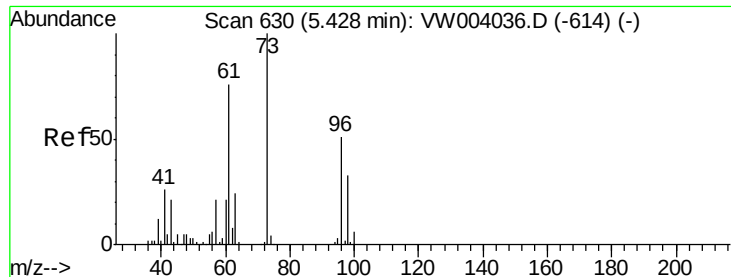
Tgt Ion: 43 Resp: 83205
Ion Ratio Lower Upper
43 100
74 21.7 16.6 24.8



#16
Methylene chloride
Concen: 19.745 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 84 Resp: 130524
Ion Ratio Lower Upper
84 100
49 131.2 94.2 175.0
86 62.3 45.1 83.9

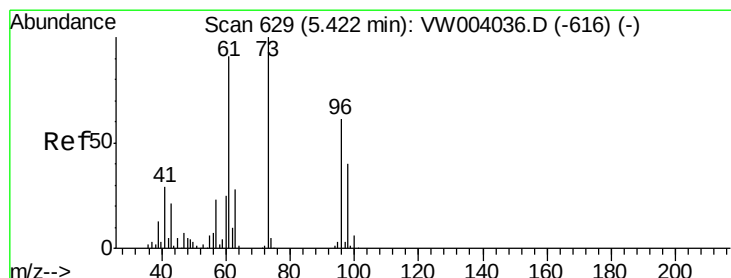
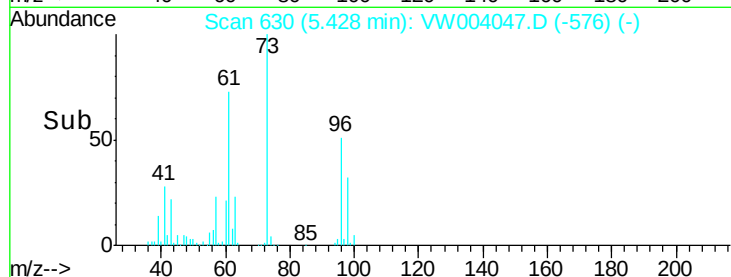
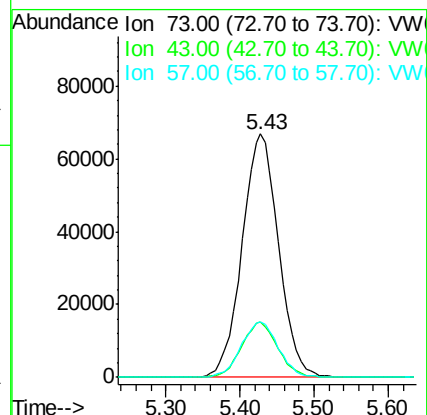
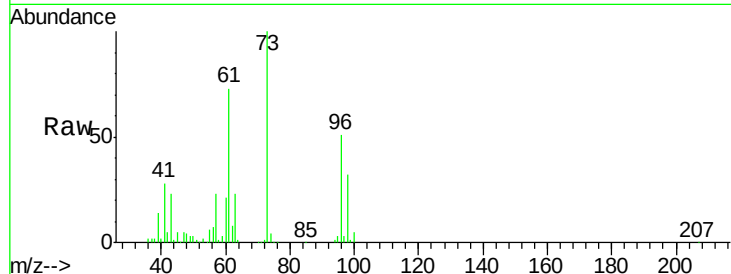




#17
Methyl tert-butyl Ether
Concen: 25.879 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

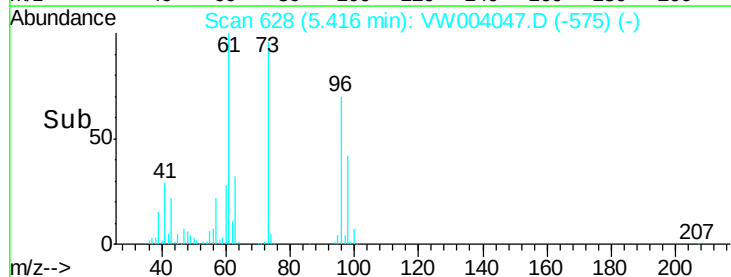
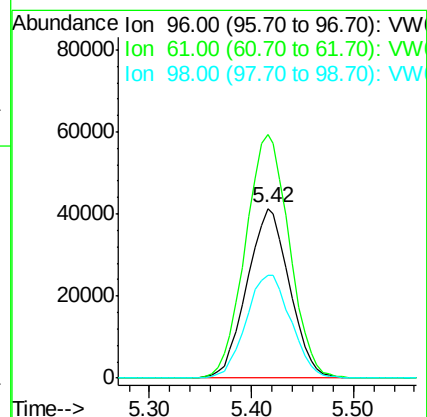
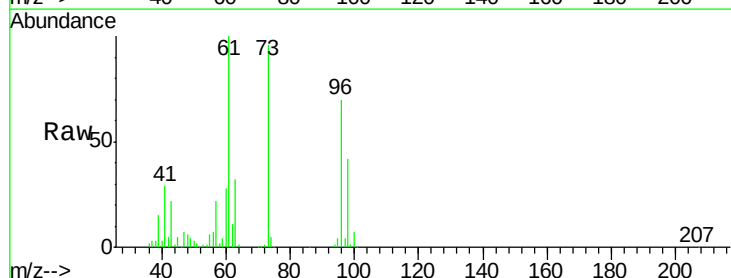
Instrument :
MSVOA_W
ClientSampled :
VSTD02590

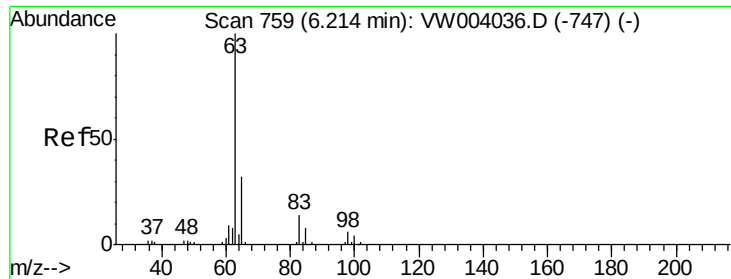
Tgt Ion: 73 Resp: 229562
Ion Ratio Lower Upper
73 100
43 22.5 18.1 27.1
57 23.0 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 25.378 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 96 Resp: 119840
Ion Ratio Lower Upper
96 100
61 143.5 99.8 185.4
98 60.4 44.9 83.3

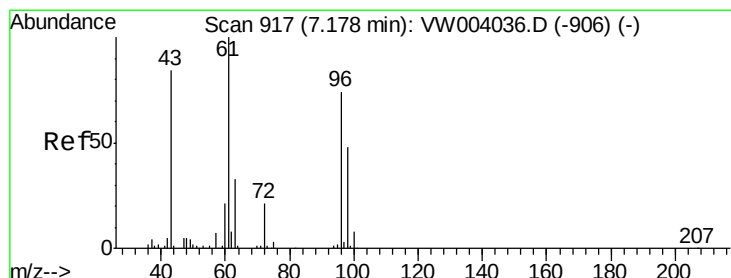
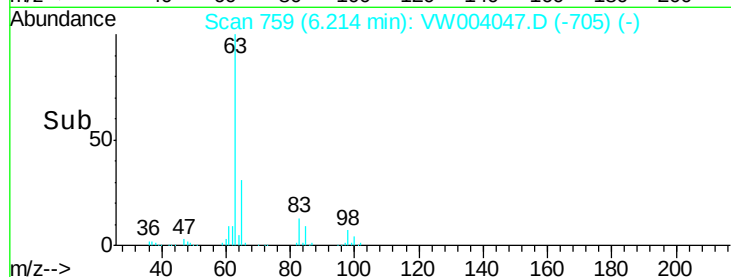
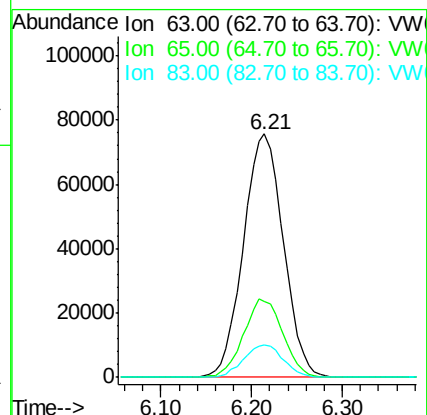
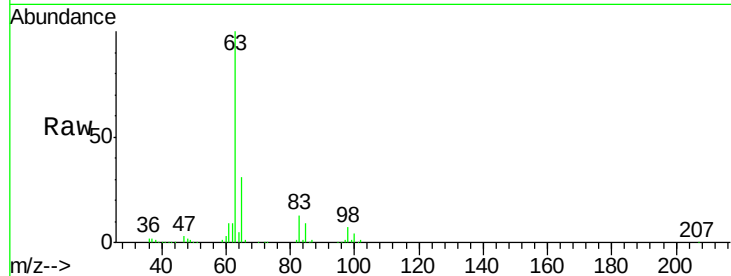




#19
 1,1-Dichloroethane
 Concen: 25.710 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

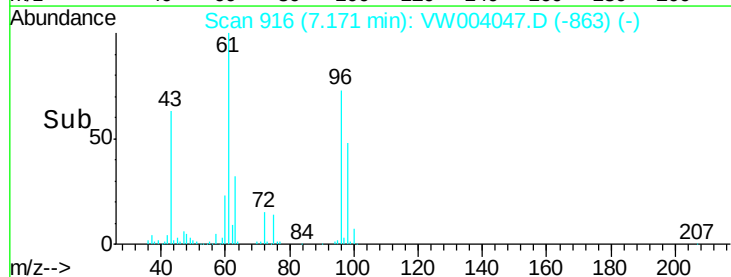
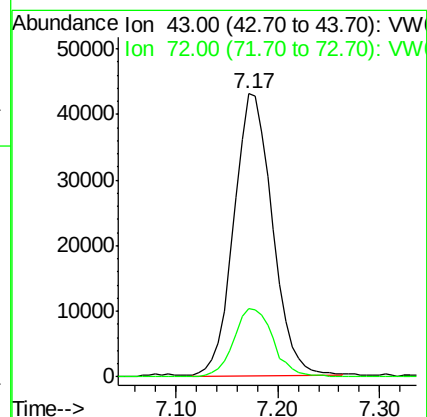
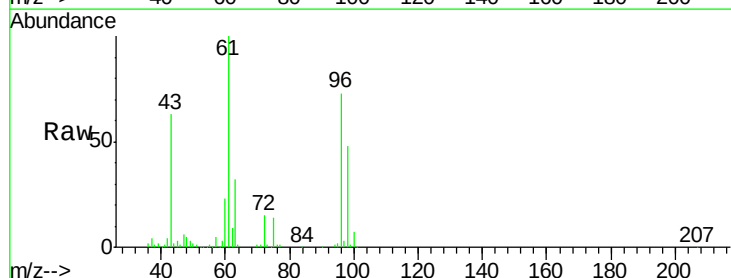
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

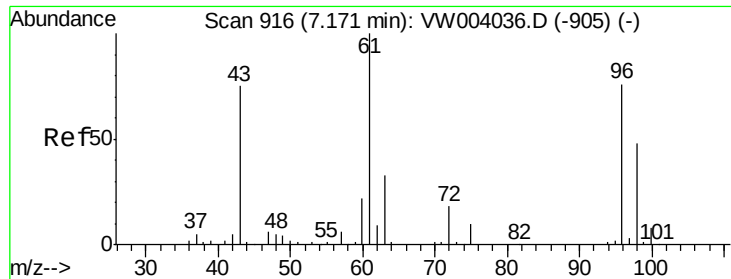
Tgt Ion: 63 Resp: 230974
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.4 41.6
 83 13.1 9.2 17.2



#21
 2-Butanone
 Concen: 41.830 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion: 43 Resp: 112775
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.1 36.3



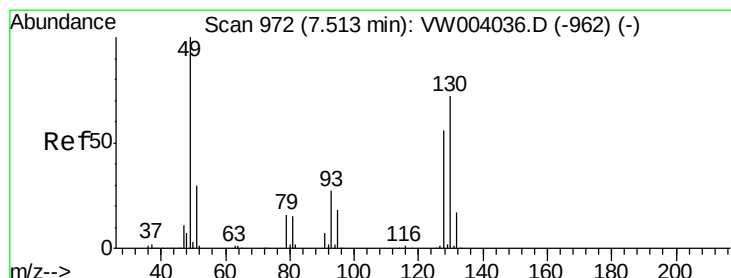
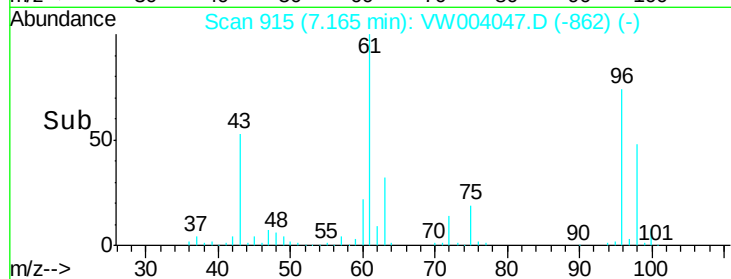
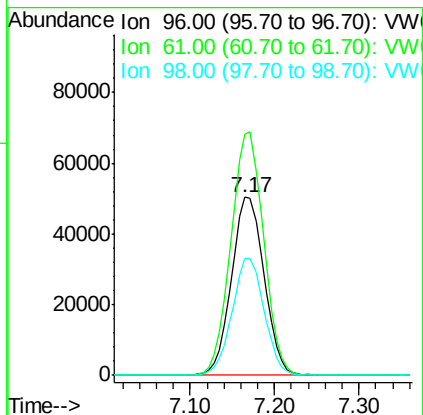
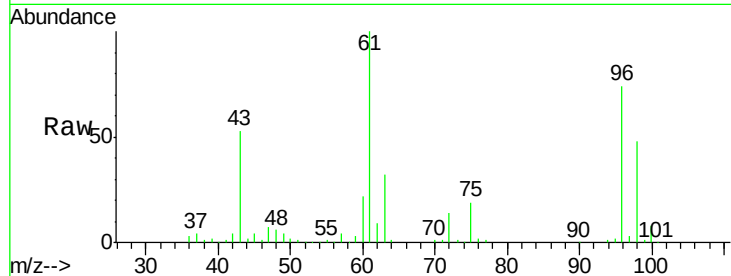


#22

cis-1,2-Dichloroethene
Concen: 26.205 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Instrument :
MSVOA_W
ClientSampled :
VSTD02590

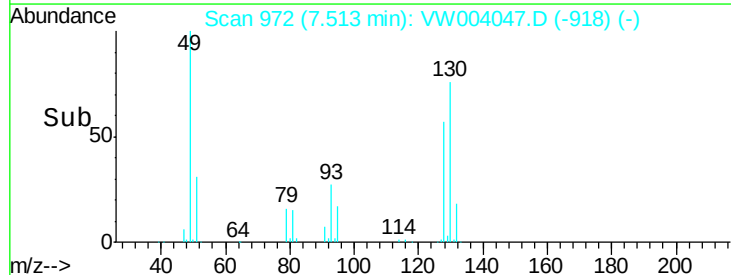
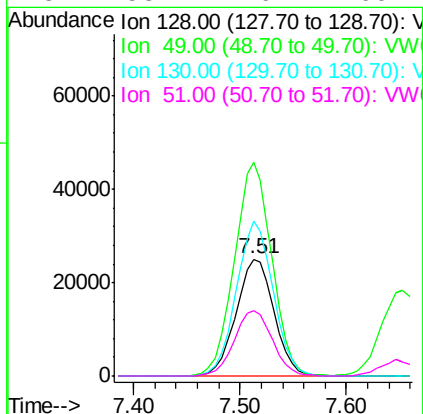
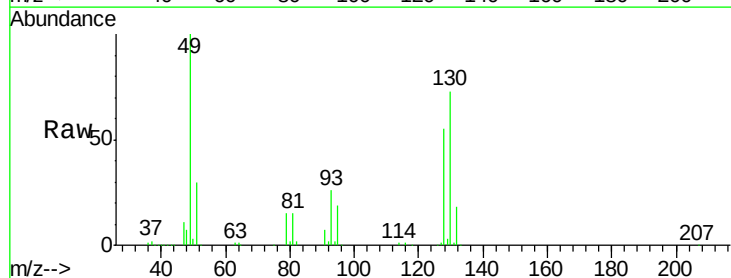
Tgt Ion: 96 Resp: 132265
Ion Ratio Lower Upper
96 100
61 135.1 92.5 171.9
98 65.5 43.0 80.0

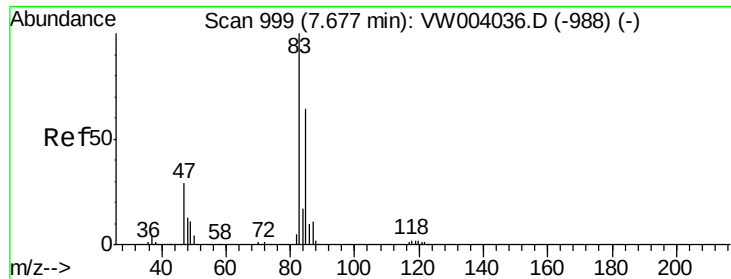


#23

Bromochloromethane
Concen: 26.305 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 128 Resp: 62427
Ion Ratio Lower Upper
128 100
49 183.2 126.4 234.8
130 133.1 87.8 163.0
51 55.7 46.2 69.2





#25

Chloroform

Concen: 26.124 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampled :

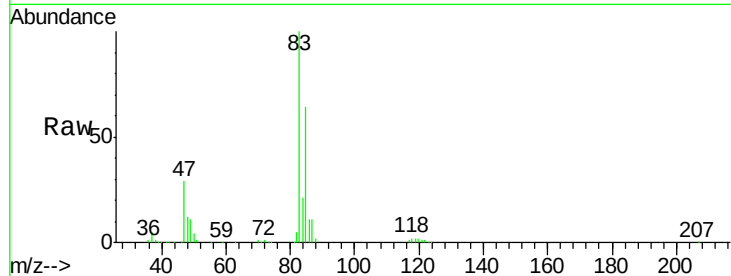
VSTD02590

Tgt Ion: 83 Resp: 239666

Ion Ratio Lower Upper

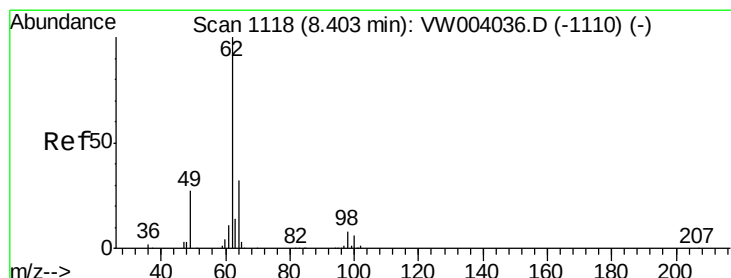
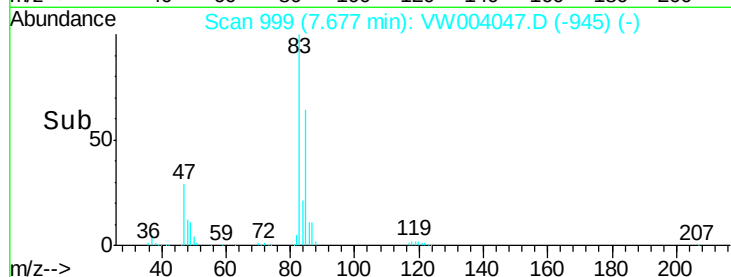
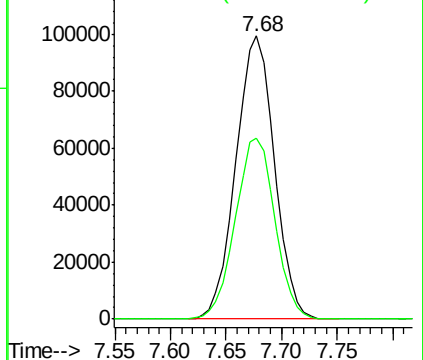
83 100

85 65.7 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 26.191 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004047.D

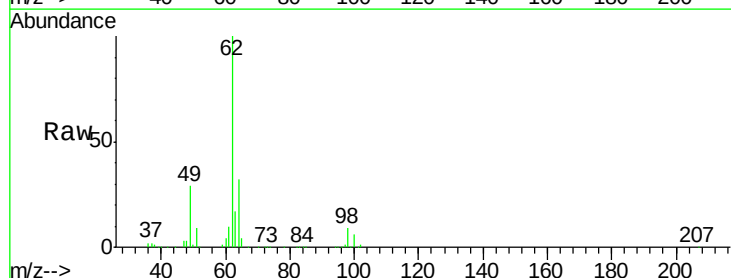
Acq: 19 Jul 2018 20:22

Tgt Ion: 62 Resp: 177092

Ion Ratio Lower Upper

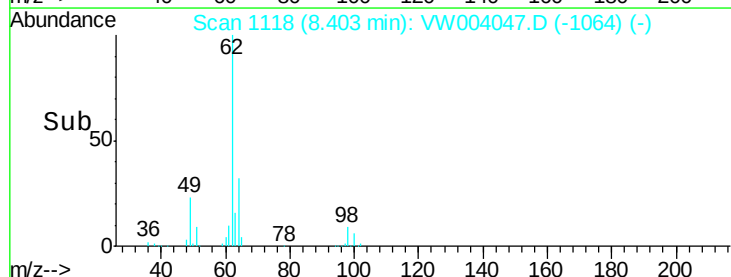
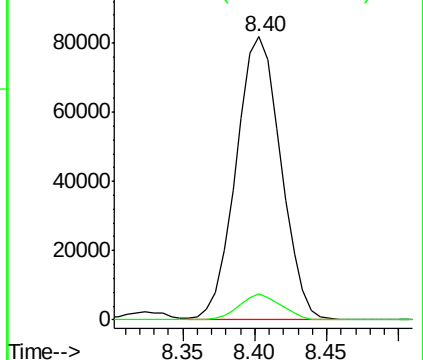
62 100

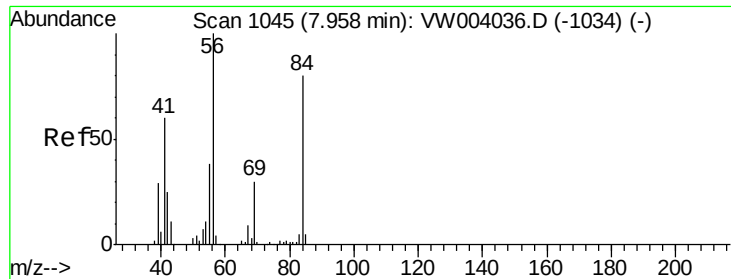
98 9.1 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

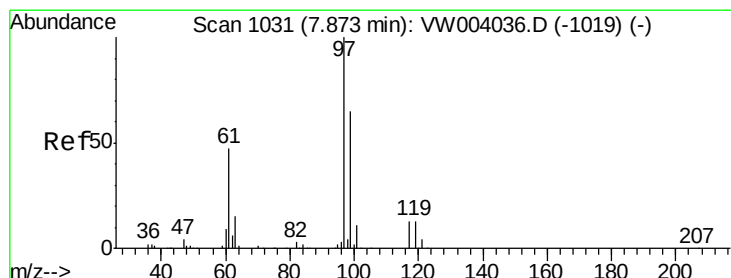
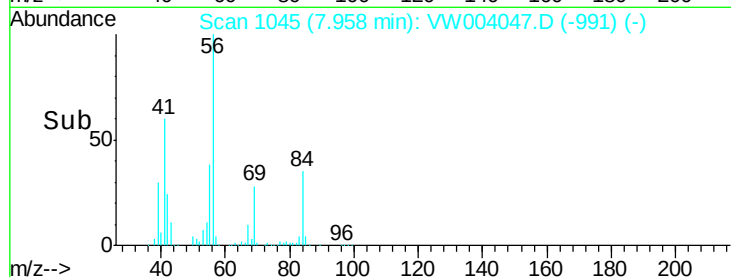
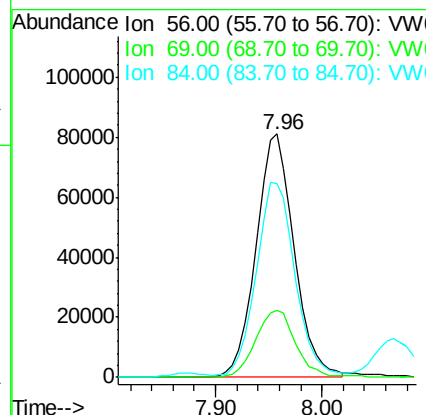
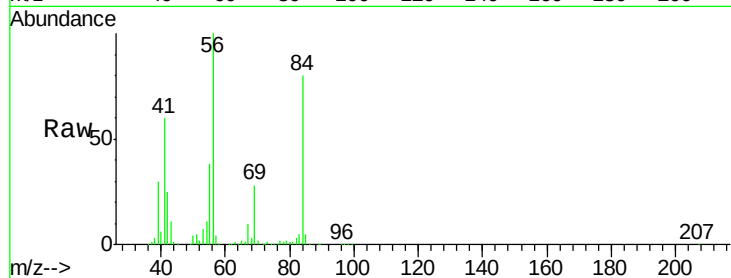




#30
Cyclohexane
Concen: 25.731 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

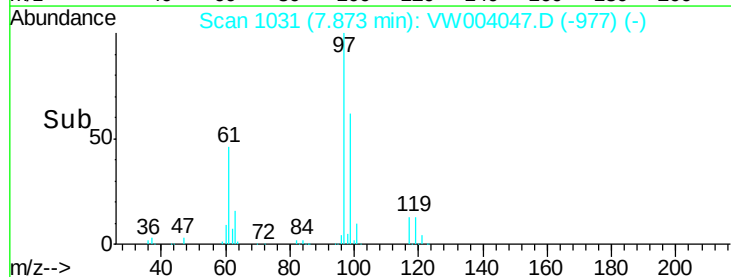
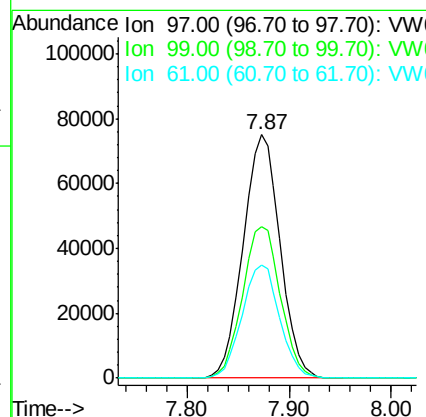
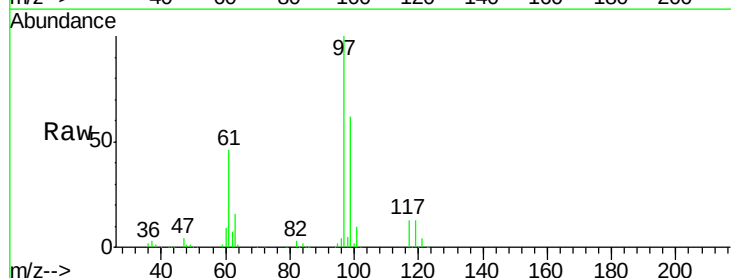
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

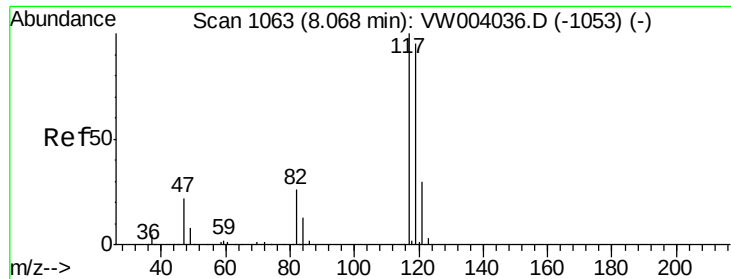
Tgt Ion: 56 Resp: 203030
Ion Ratio Lower Upper
56 100
69 28.6 22.8 34.2
84 82.4 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 25.657 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 97 Resp: 188778
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 47.2 38.6 57.8





#32

Carbon tetrachloride

Concen: 25.557 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

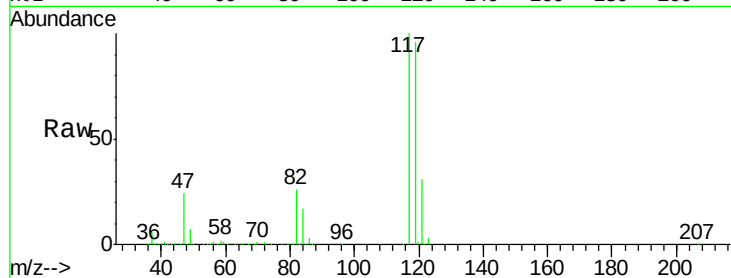
VSTD02590

Tgt Ion:117 Resp: 181427

Ion Ratio Lower Upper

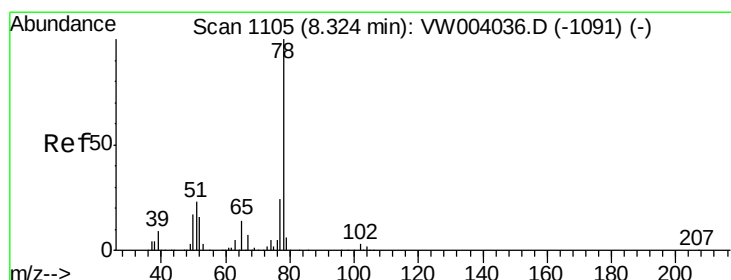
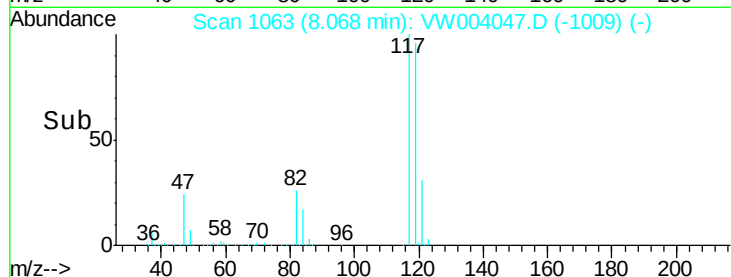
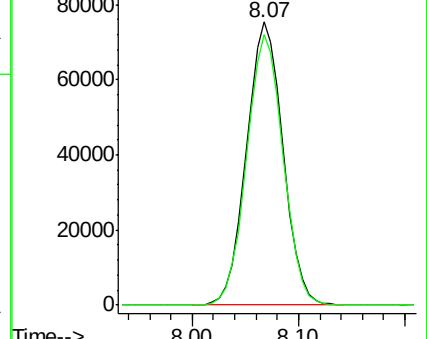
117 100

119 95.5 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: 26.471 ug/L

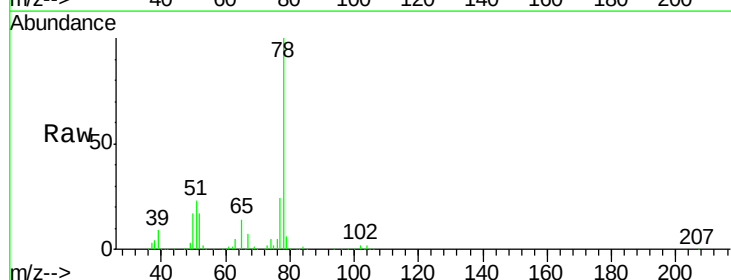
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

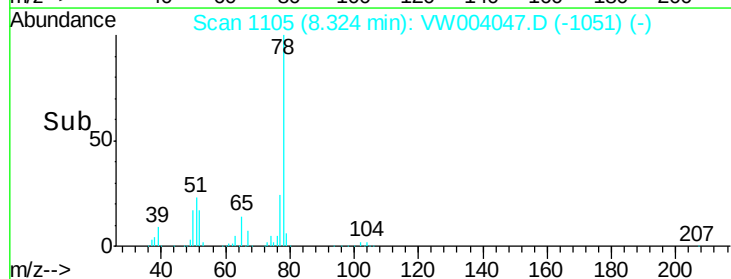
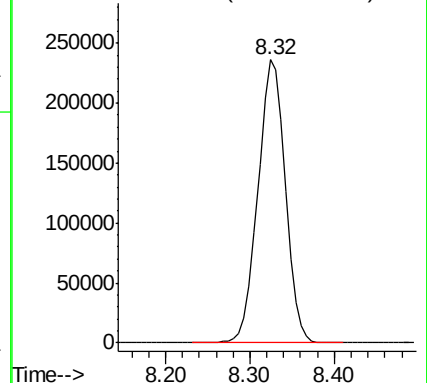
Lab File: VW004047.D

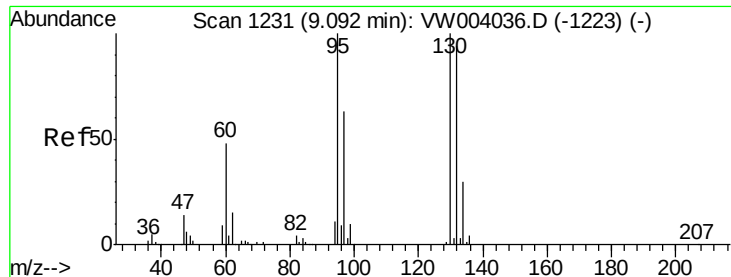
Acq: 19 Jul 2018 20:22

Tgt Ion: 78 Resp: 524952



Abundance Ion 78.00 (77.70 to 78.70): VW

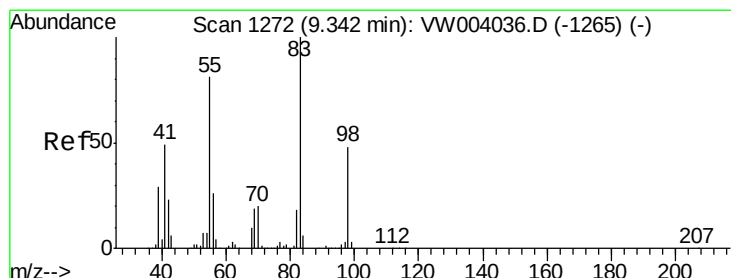
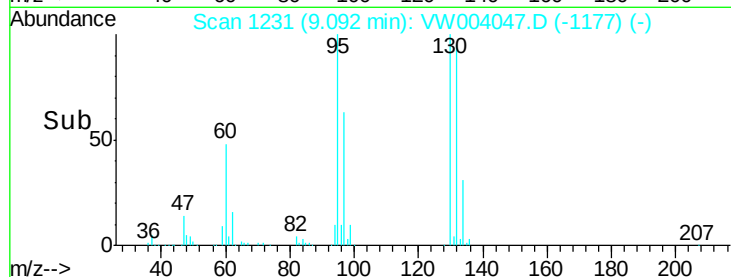
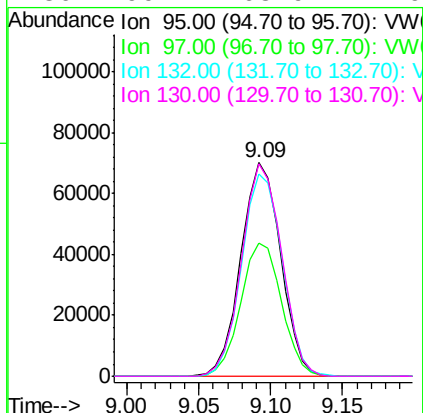
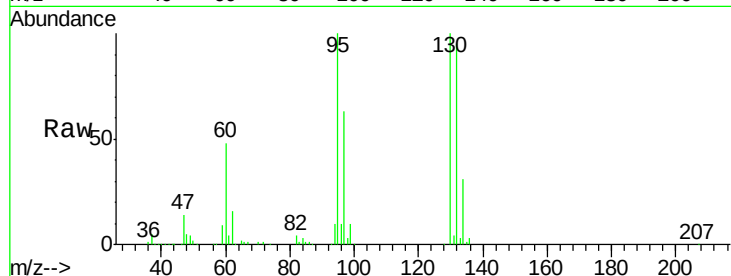




#35
 Trichloroethene
 Concen: 25.361 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

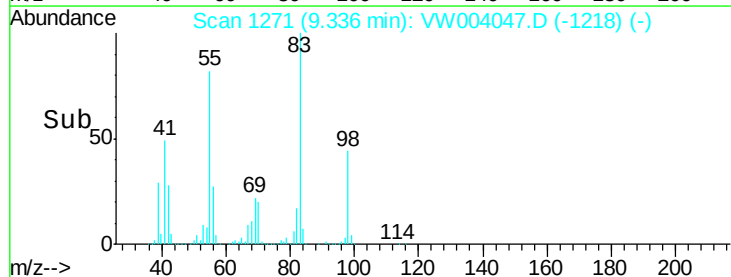
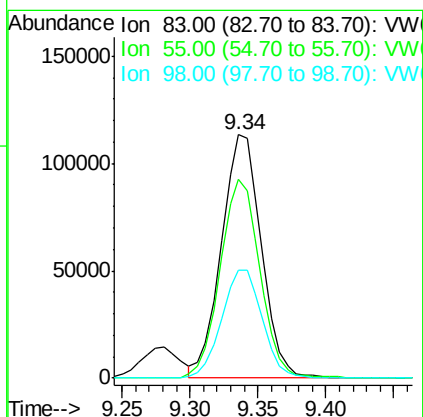
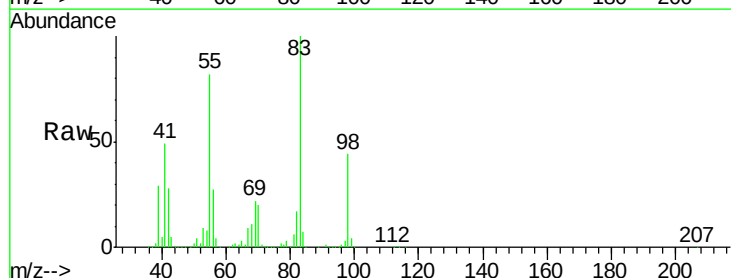
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02590

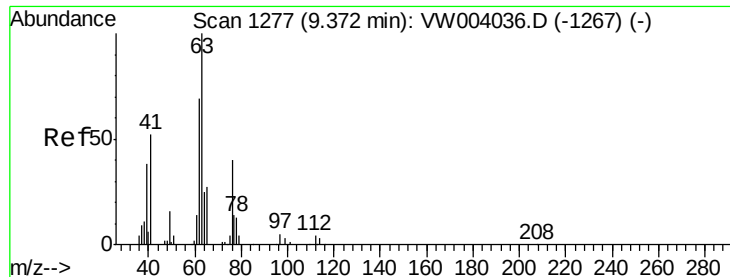
Tgt Ion:	95	Resp:	134569
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.7	83.1
132	96.8	66.1	122.7
130	99.7	68.9	127.9



#36
 Methylcyclohexane
 Concen: 26.388 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion:	83	Resp:	231419
Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.8	98.6
98	45.4	37.0	55.6





#40

1,2-Dichloropropane

Concen: 26.359 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

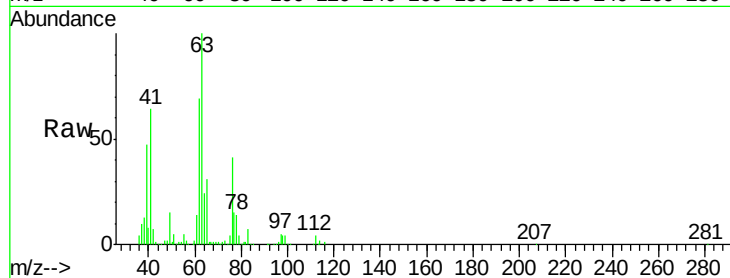
VSTD02590

Tgt Ion: 63 Resp: 141706

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

80000

60000

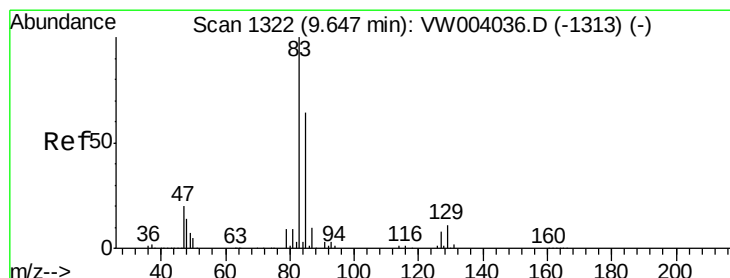
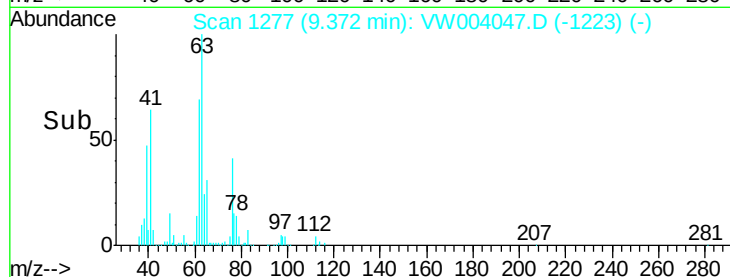
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 26.745 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

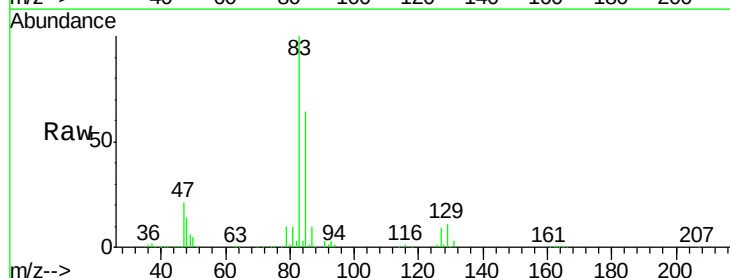
Tgt Ion: 83 Resp: 177032

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

127 8.9 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

9.65

120000

100000

80000

60000

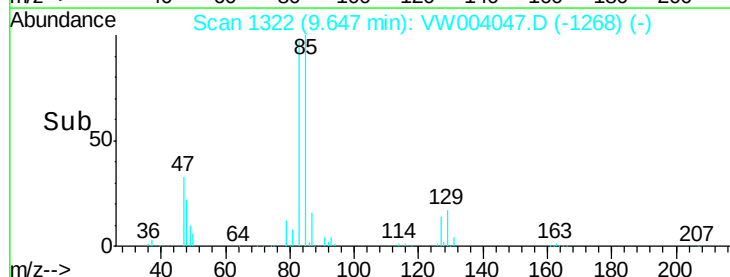
40000

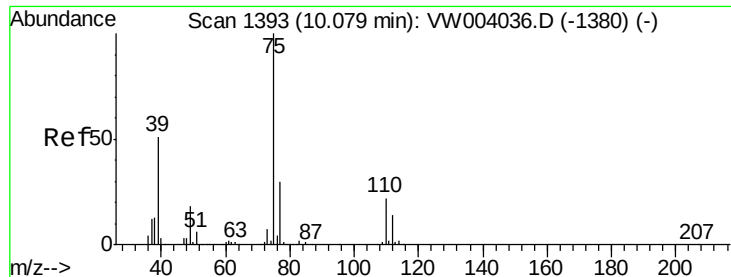
20000

0

9.55 9.60 9.65 9.70 9.75

Time-->





#42

cis-1,3-Dichloropropene

Concen: 27.157 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

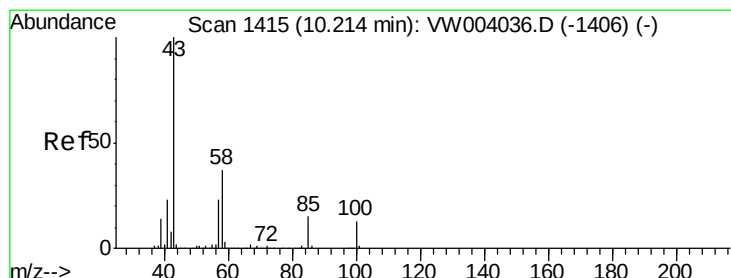
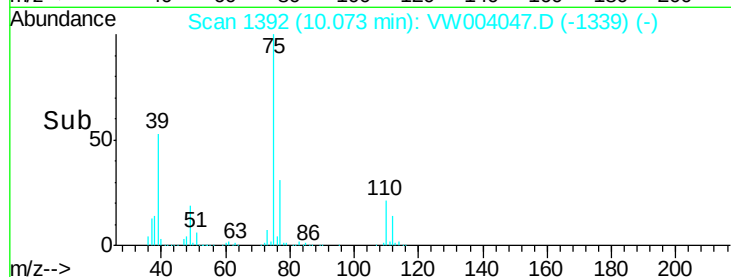
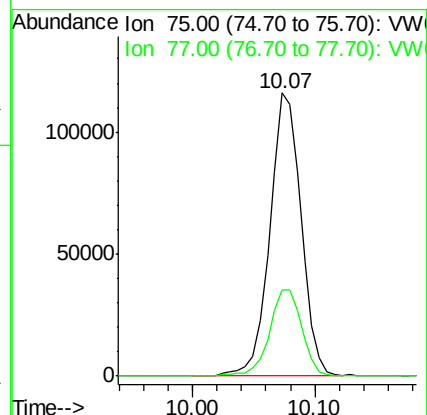
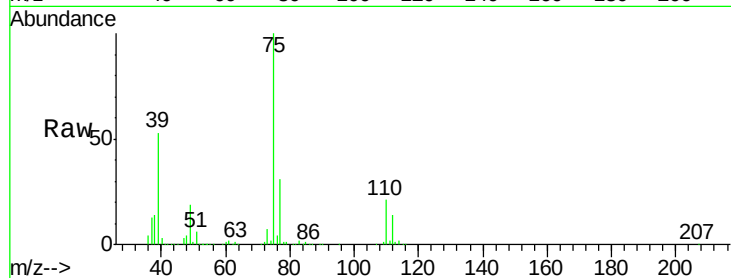
VSTD02590

Tgt Ion: 75 Resp: 205720

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 49.186 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

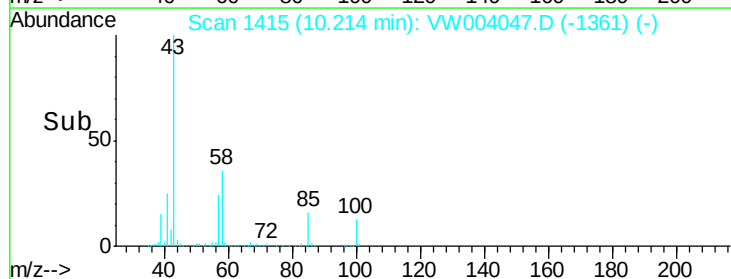
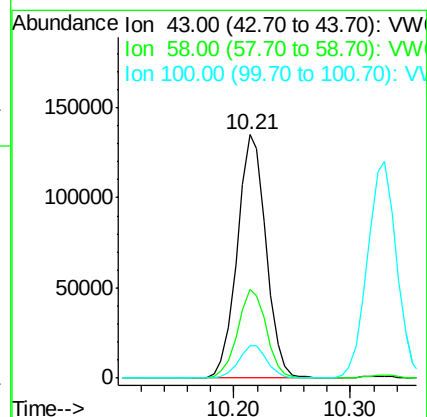
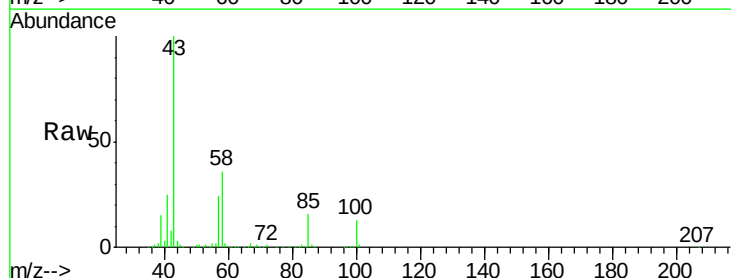
Tgt Ion: 43 Resp: 232461

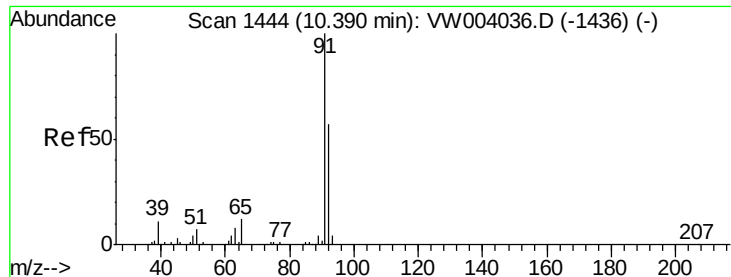
Ion Ratio Lower Upper

43 100

58 36.5 29.4 44.2

100 13.2 10.8 16.2





#44

Toluene

Concen: 27.029 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

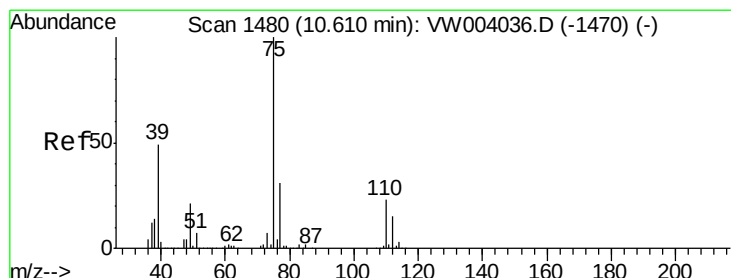
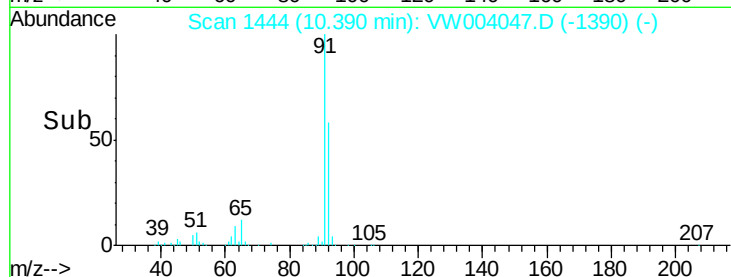
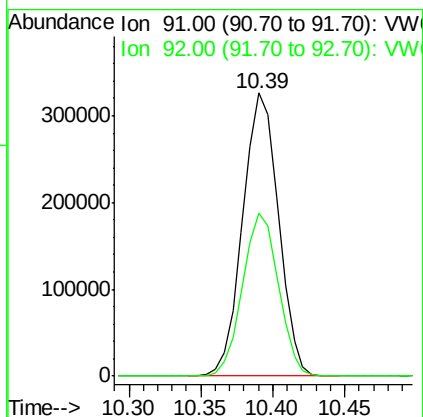
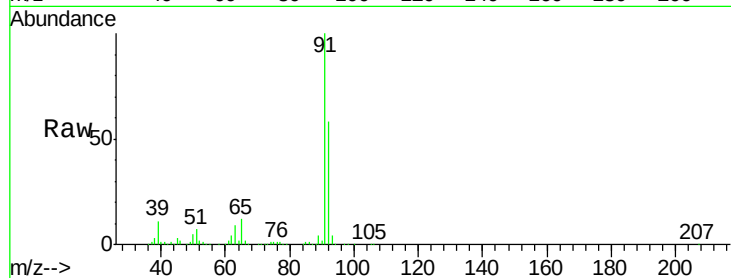
VSTD02590

Tgt Ion: 91 Resp: 561683

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.068 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004047.D

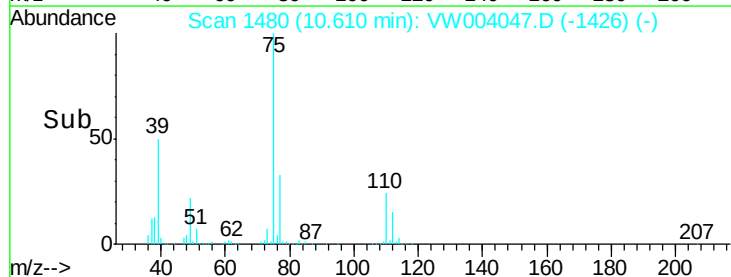
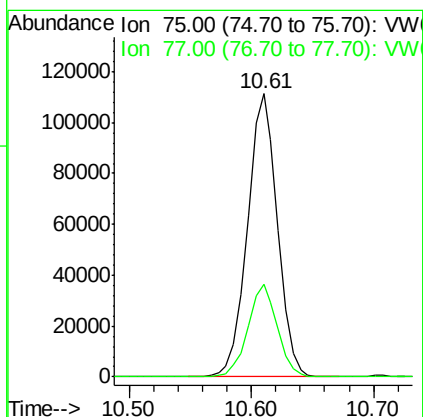
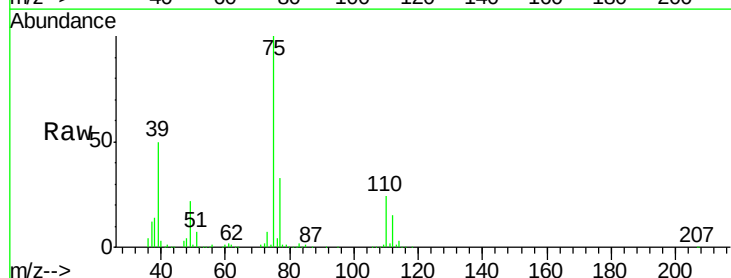
Acq: 19 Jul 2018 20:22

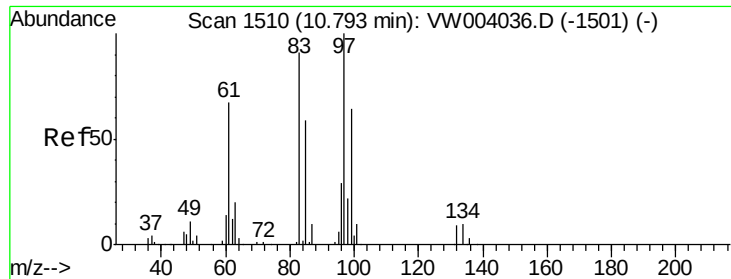
Tgt Ion: 75 Resp: 189131

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.7

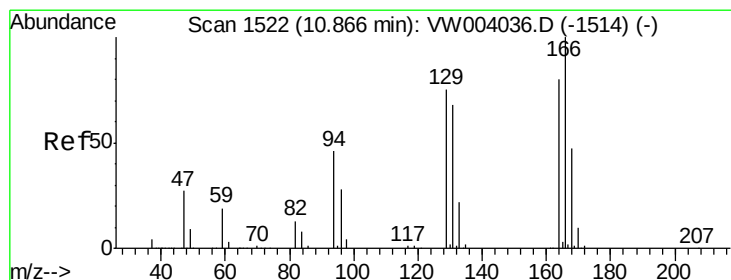
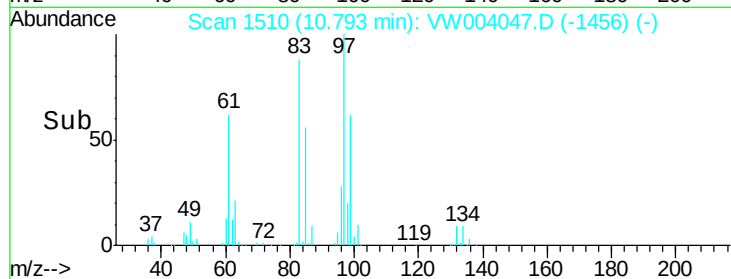
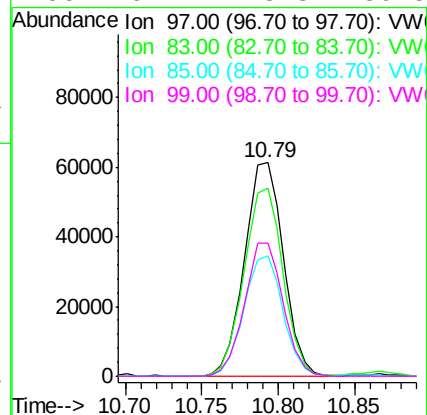
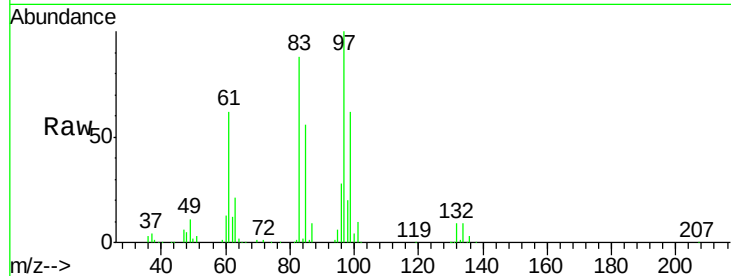




#46
 1,1,2-Trichloroethane
 Concen: 26.082 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

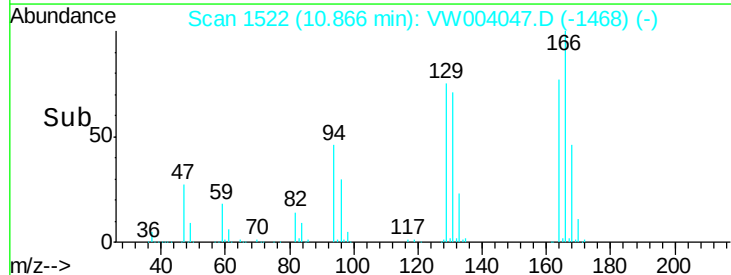
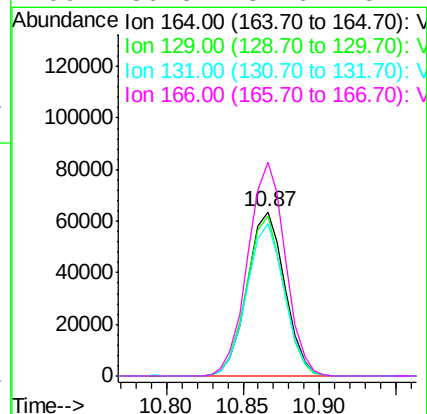
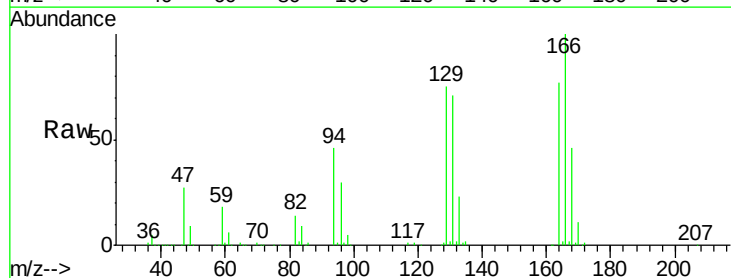
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

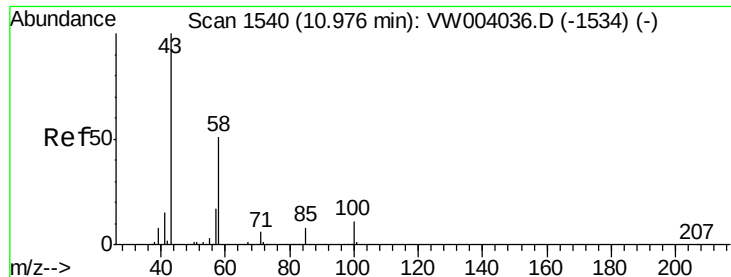
Tgt Ion:	97	Resp:	108975
Ion	Ratio	Lower	Upper
97	100		
83	88.2	59.4	110.4
85	56.2	40.0	74.2
99	62.1	43.3	80.5



#47
 Tetrachloroethene
 Concen: 25.380 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion:	164	Resp:	108609
Ion	Ratio	Lower	Upper
164	100		
129	97.7	63.1	117.3
131	92.8	62.8	116.6
166	130.3	84.6	157.2





#49

2-Hexanone

Concen: 47.991 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 43 Resp: 175594

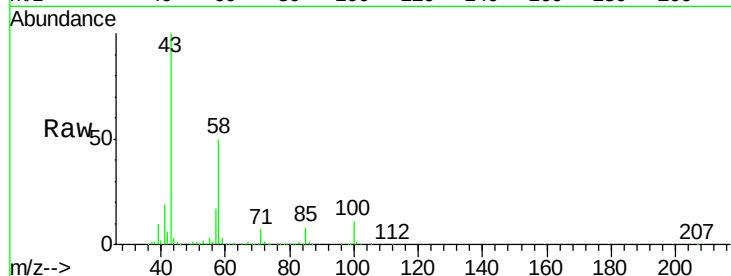
Ion Ratio Lower Upper

43 100

58 50.8 40.4 60.6

57 17.5 14.0 21.0

100 10.5 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

150000

100000

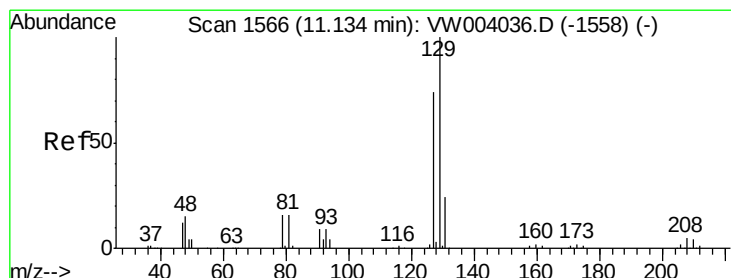
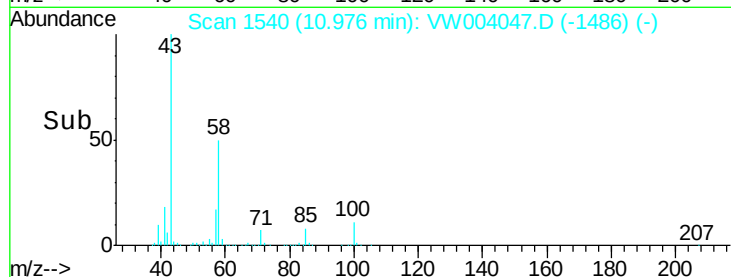
50000

0

10.90

11.00

Time-->



#50

Dibromochloromethane

Concen: 27.060 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW004047.D

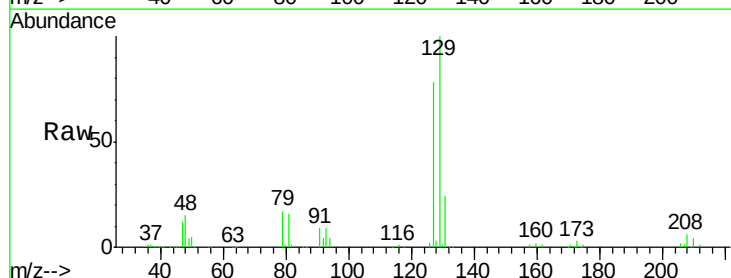
Acq: 19 Jul 2018 20:22

Tgt Ion: 129 Resp: 126658

Ion Ratio Lower Upper

129 100

127 77.9 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

80000

60000

40000

20000

0

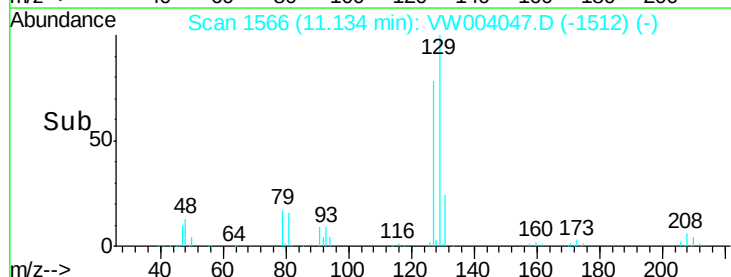
11.05

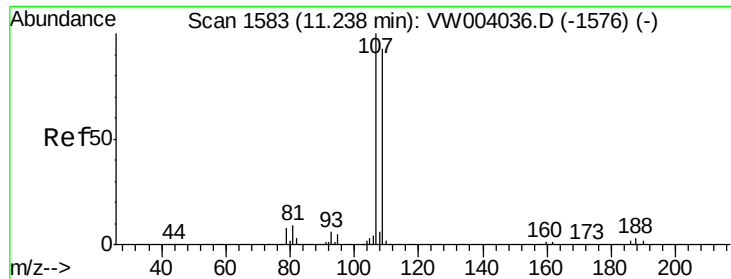
11.10

11.15

11.20

Time-->





#51

1,2-Dibromoethane

Concen: 25.767 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

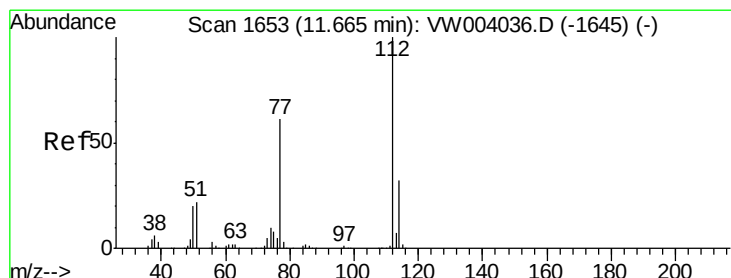
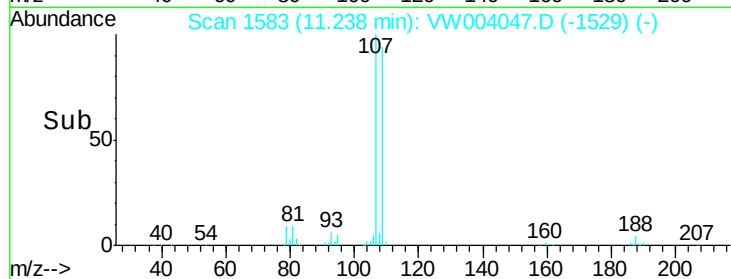
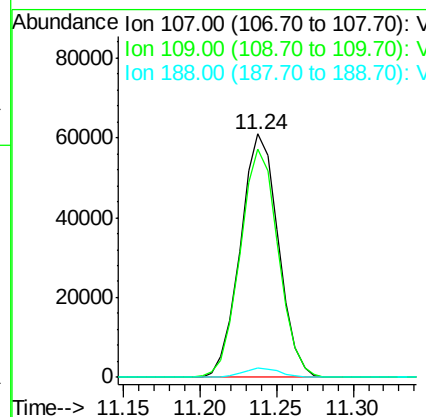
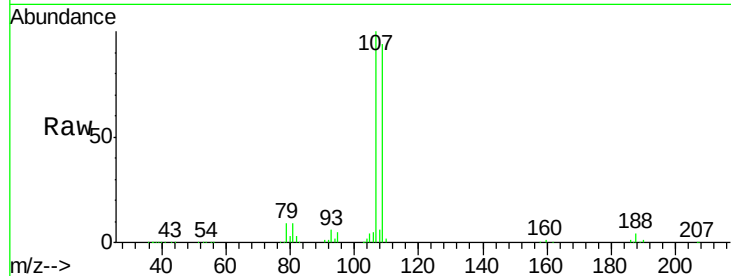
Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion:	107	Resp:	105149
Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.2	121.0
188	4.2	2.9	4.3



#52

Chlorobenzene

Concen: 26.197 ug/L

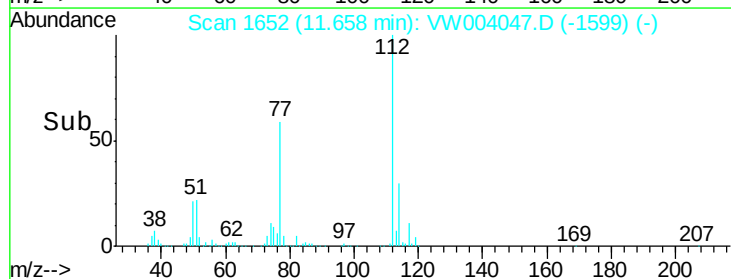
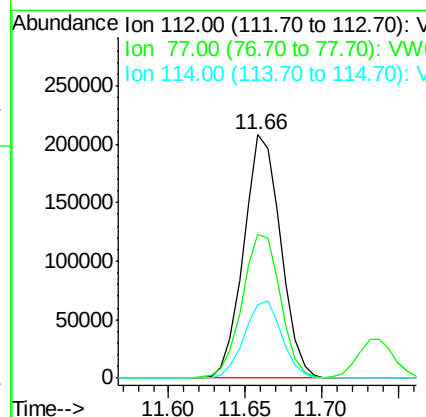
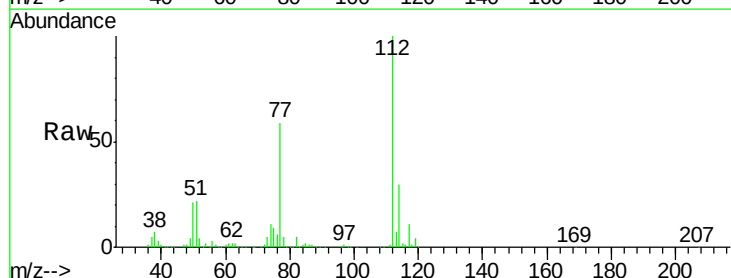
RT: 11.66 min Scan# 1652

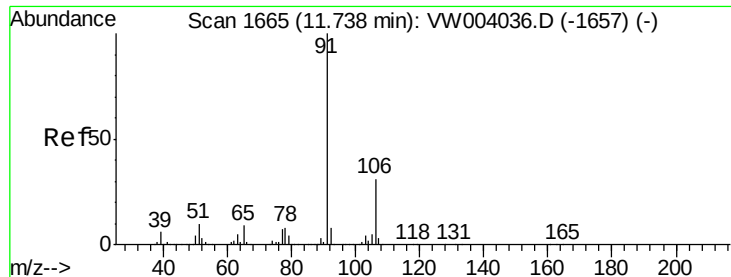
Delta R.T. -0.01 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Tgt Ion:	112	Resp:	349049
Ion	Ratio	Lower	Upper
112	100		
77	59.3	47.7	71.5
114	30.2	22.2	41.2

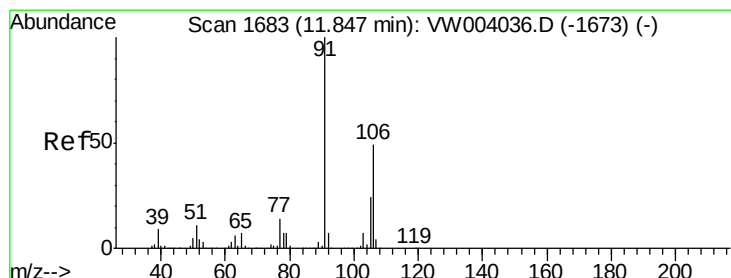
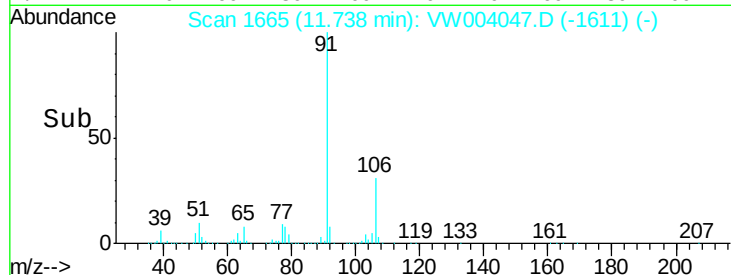
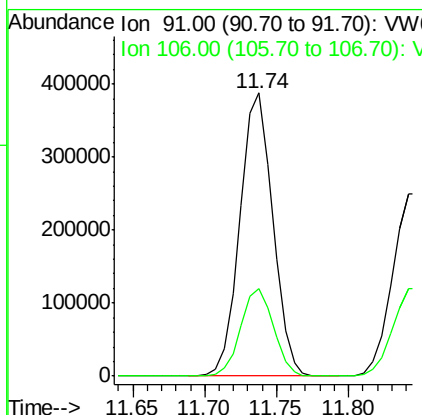
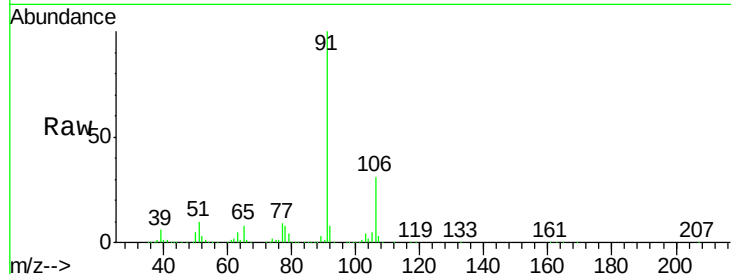




#53
Ethylbenzene
Concen: 27.297 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

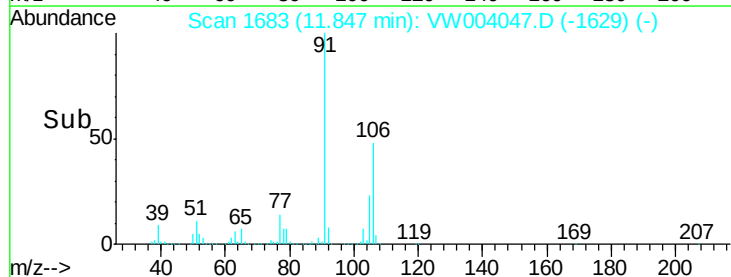
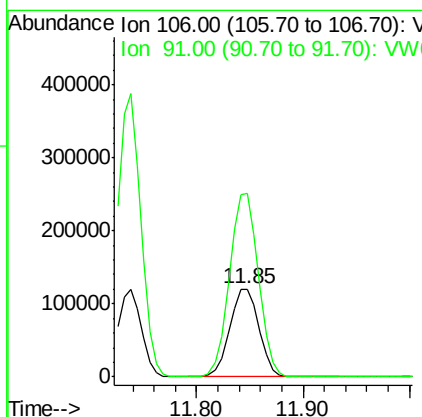
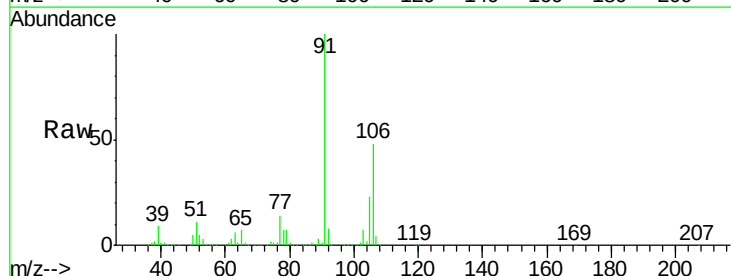
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

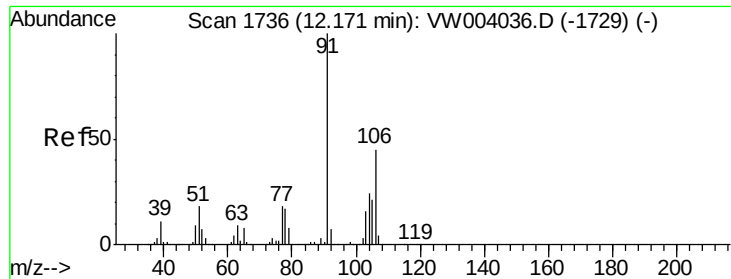
Tgt Ion: 91 Resp: 614024
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#54
m,p-Xylene
Concen: 27.894 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion: 106 Resp: 231258
Ion Ratio Lower Upper
106 100
91 208.5 142.1 263.9

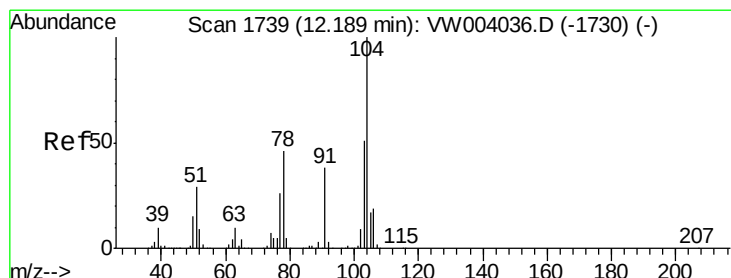
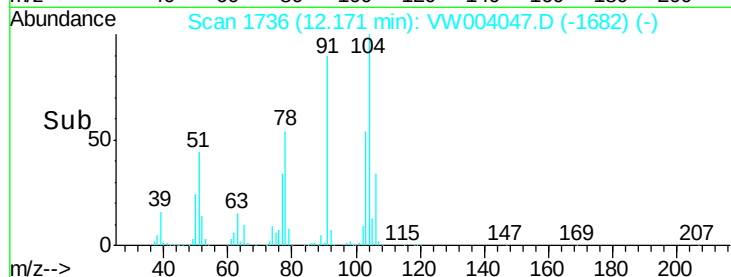
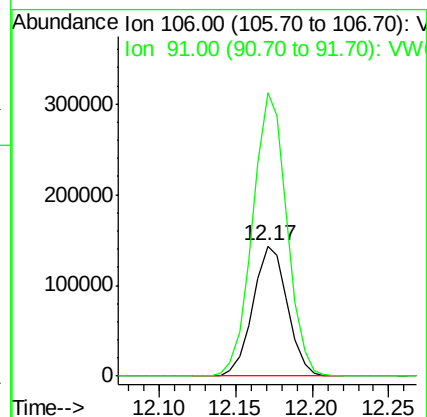
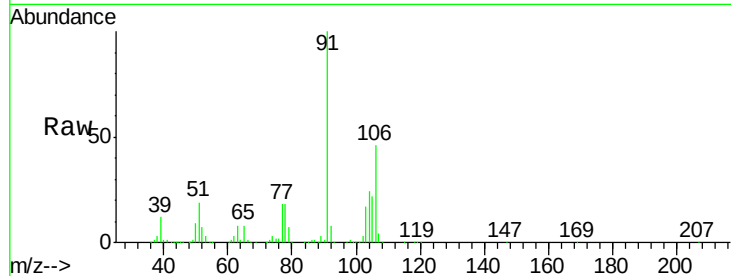




#55
o-xylene
Concen: 28.284 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

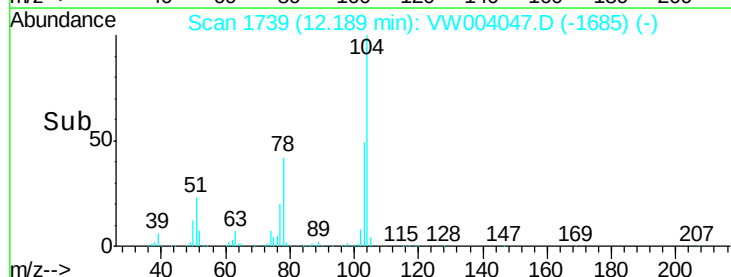
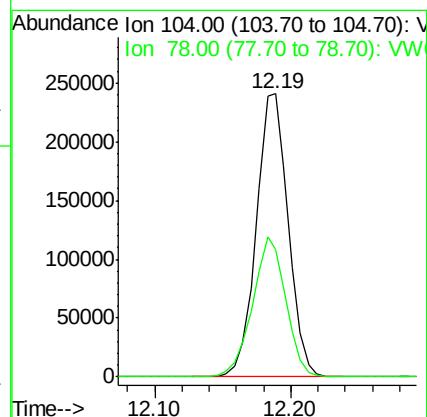
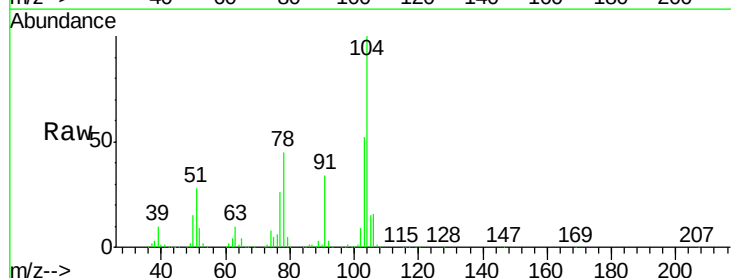
Instrument :
MSVOA_W
ClientSampled :
VSTD02590

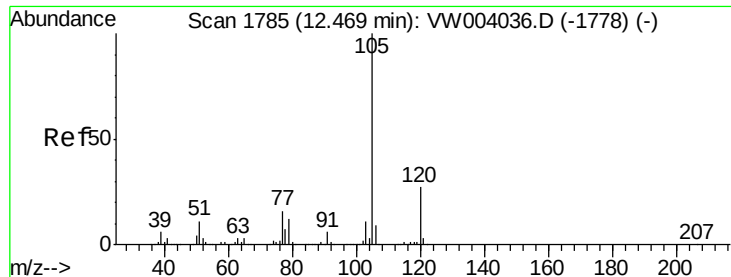
Tgt Ion:106 Resp: 224292
Ion Ratio Lower Upper
106 100
91 218.1 151.3 280.9



#56
Styrene
Concen: 28.927 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004047.D
Acq: 19 Jul 2018 20:22

Tgt Ion:104 Resp: 396266
Ion Ratio Lower Upper
104 100
78 45.1 32.2 59.8





#57

Isopropylbenzene

Concen: 28.202 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampled :

VSTD02590

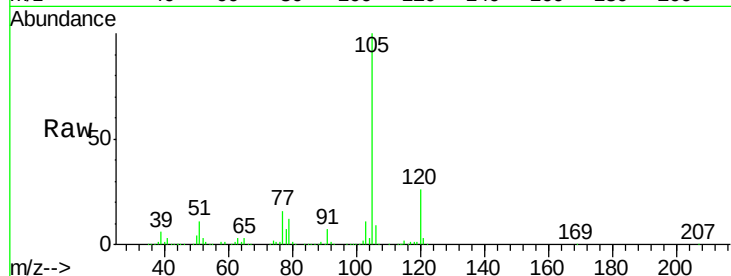
Tgt Ion: 105 Resp: 613158

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

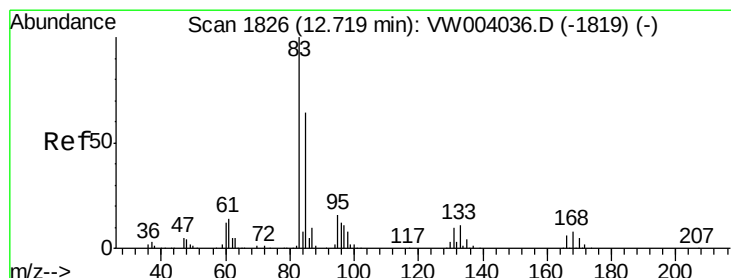
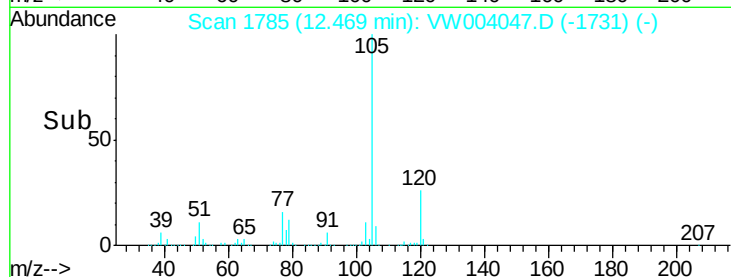
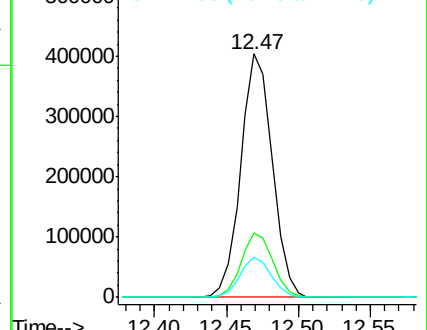
77 16.3 13.1 19.7



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: 25.007 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

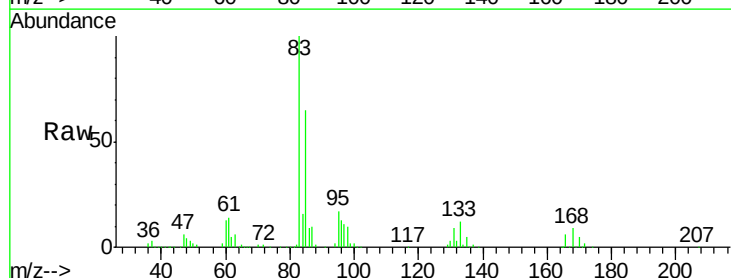
Tgt Ion: 83 Resp: 149347

Ion Ratio Lower Upper

83 100

85 65.5 44.7 83.1

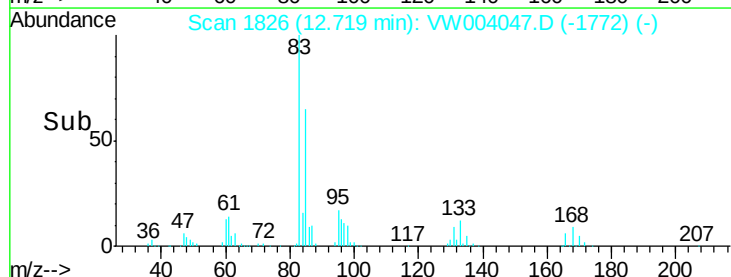
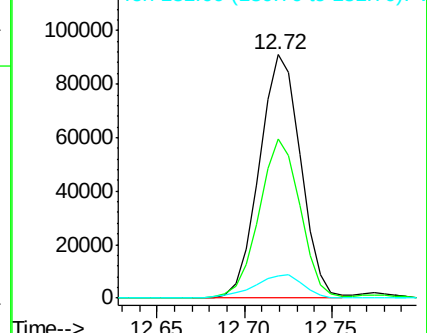
131 9.1 7.8 11.6

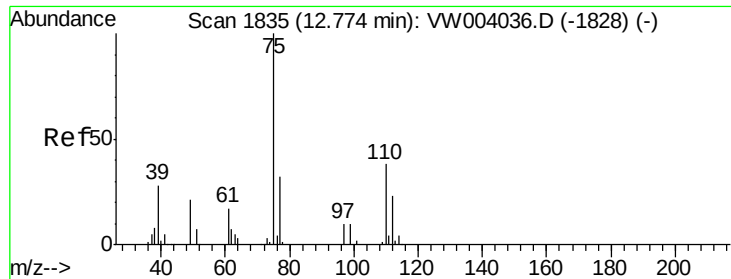


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.726 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

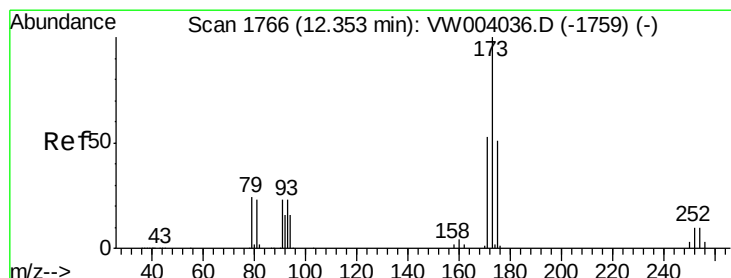
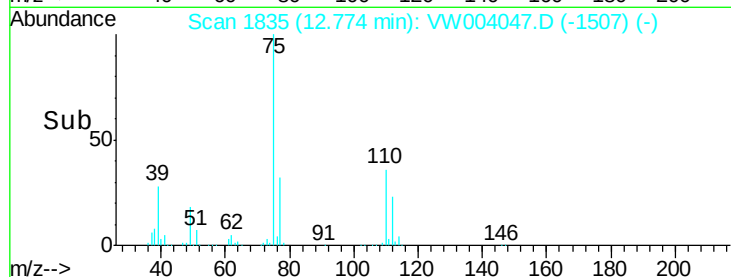
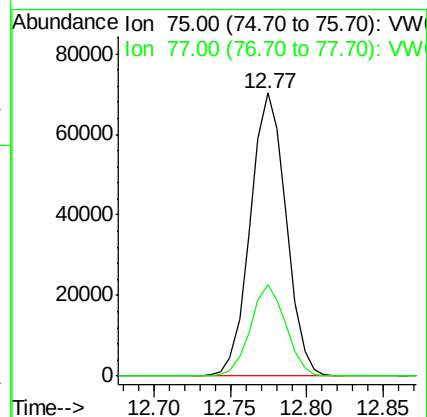
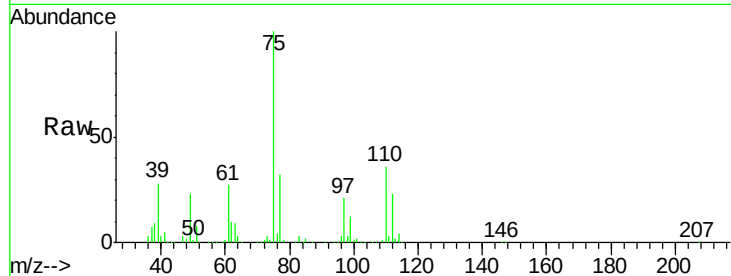
VSTD02590

Tgt Ion: 75 Resp: 114310

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#62

Bromoform

Concen: 25.252 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

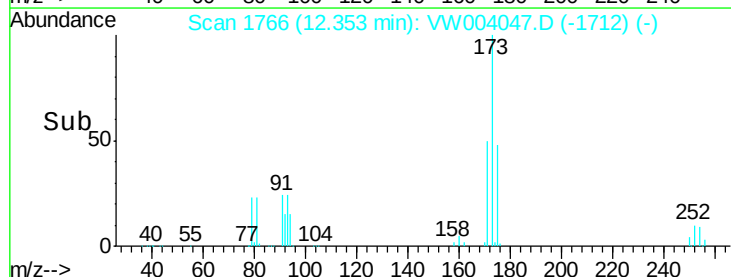
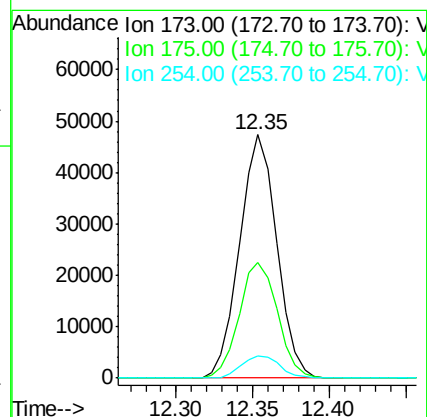
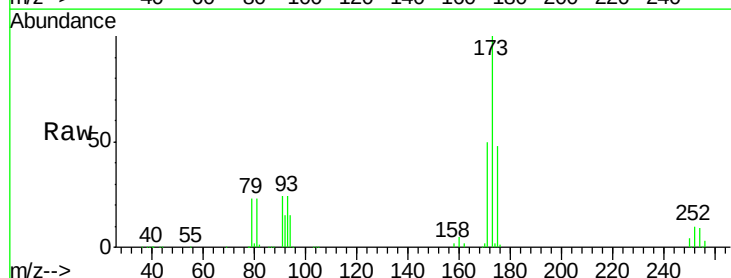
Tgt Ion: 173 Resp: 79836

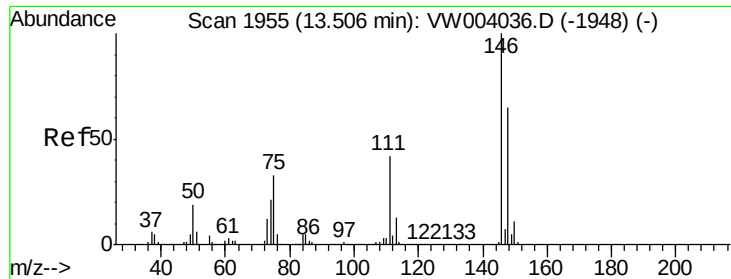
Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.0

254 9.5 7.4 11.2

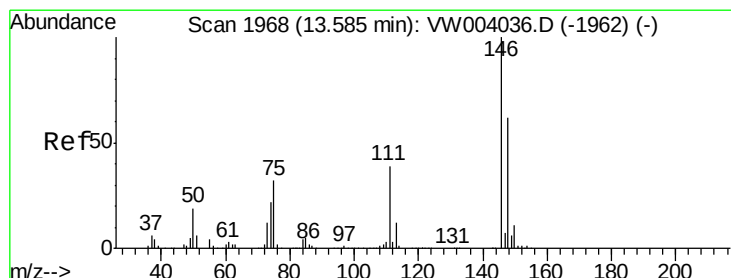
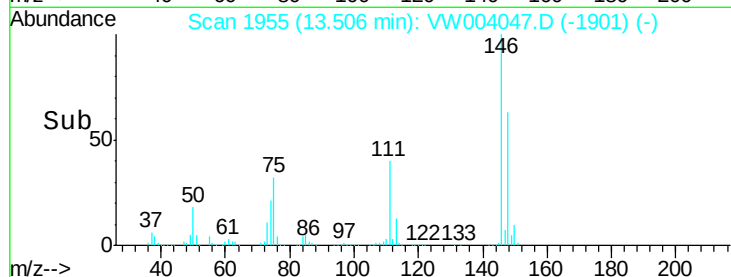
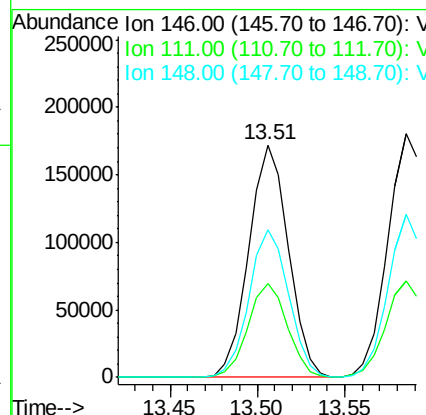
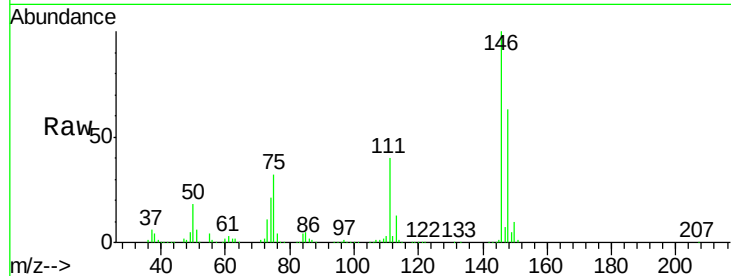




#63
 1,3-Dichlorobenzene
 Concen: 26.243 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

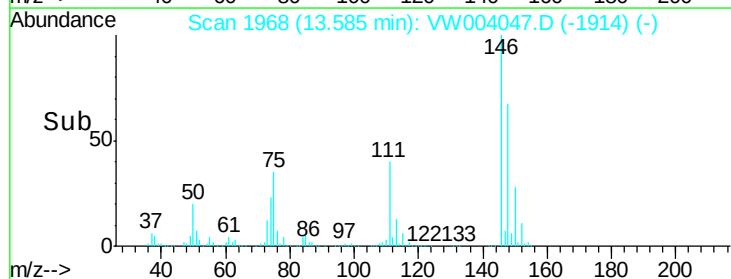
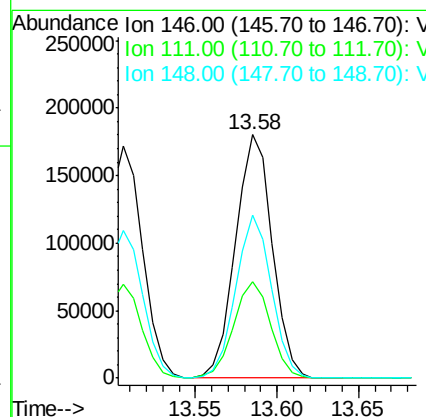
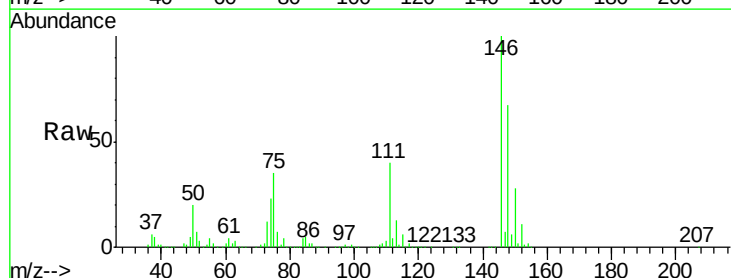
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

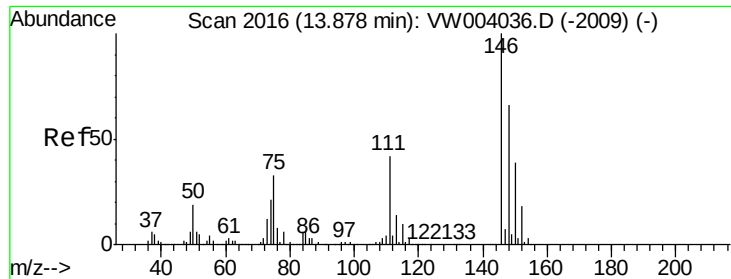
Tgt Ion:146 Resp: 270781
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.9 51.7
 148 63.4 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 25.646 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion:146 Resp: 283736
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.8 49.8
 148 66.8 44.3 82.3

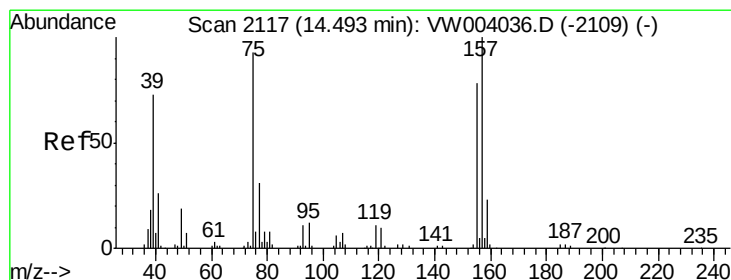
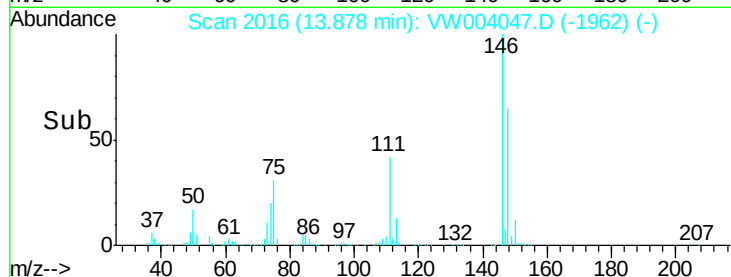
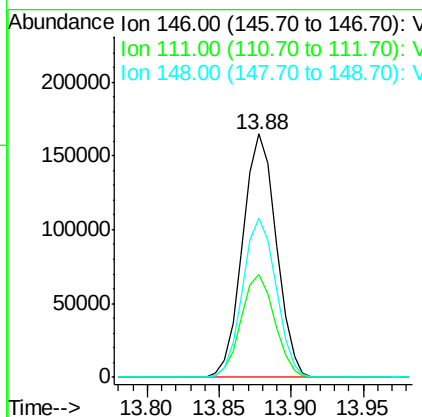
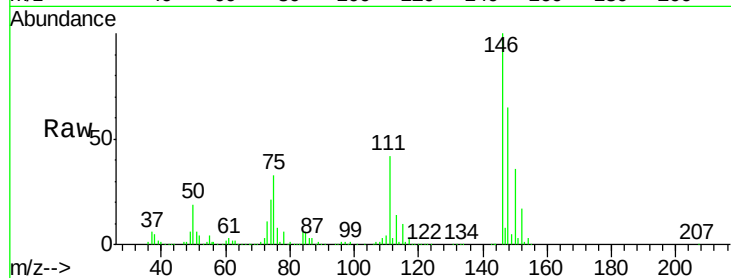




#65
 1,2-Dichlorobenzene
 Concen: 26.552 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

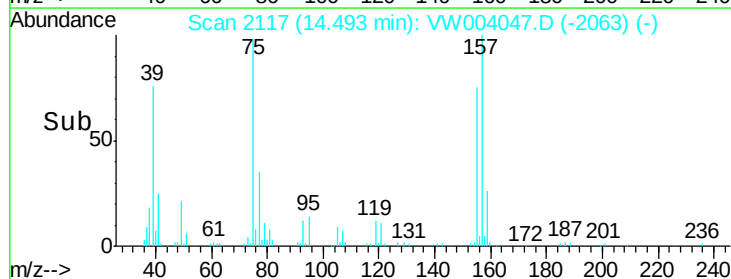
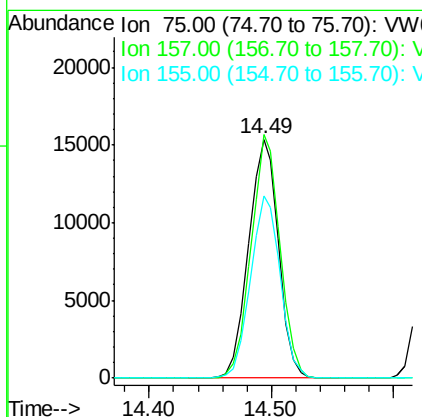
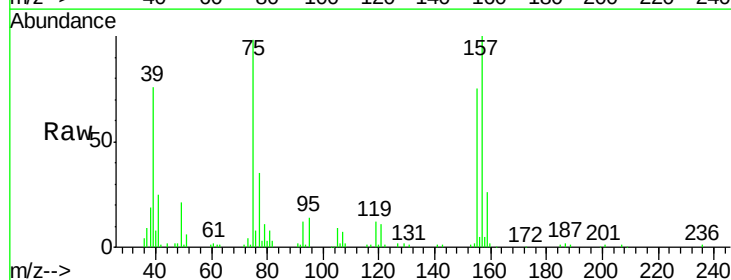
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

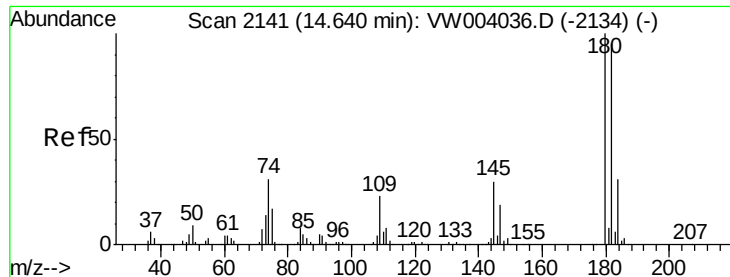
Tgt Ion: 146 Resp: 266985
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.2 49.8
 148 65.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.159 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion: 75 Resp: 25977
 Ion Ratio Lower Upper
 75 100
 157 102.1 77.9 116.9
 155 76.4 61.8 92.8

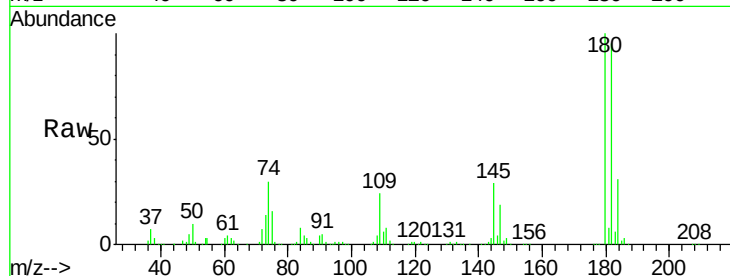




#67
 1,3,5-Trichlorobenzene
 Concen: 25.541 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.5	113.3
184	30.7	24.0	36.0
145	29.8	23.3	34.9



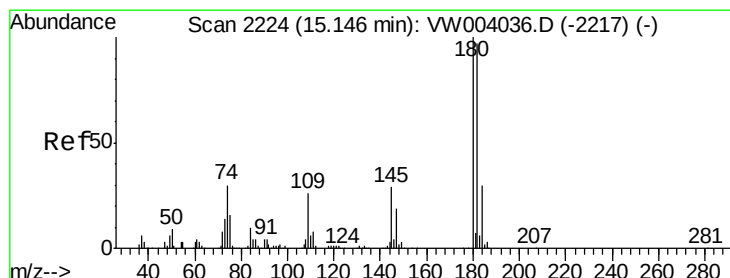
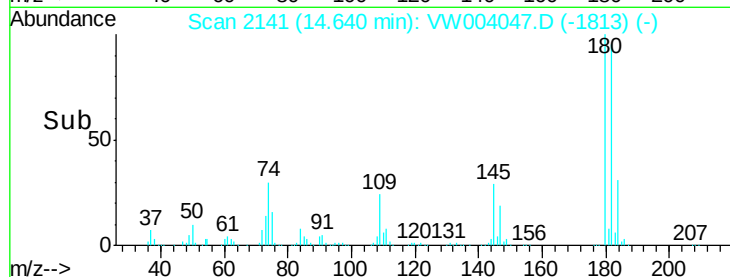
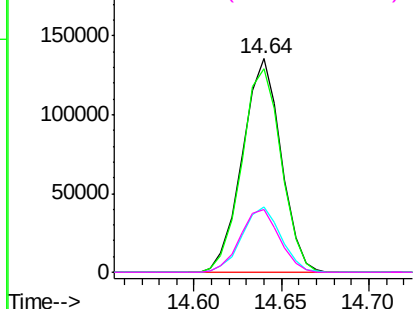
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

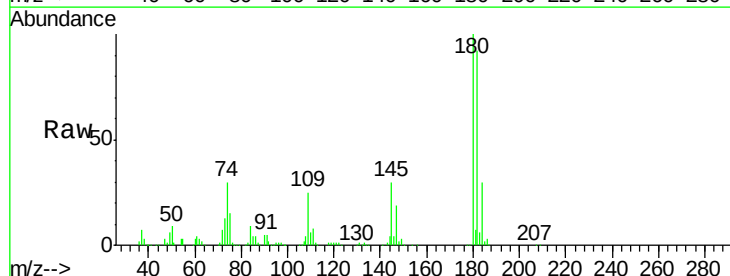
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.647 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004047.D
 Acq: 19 Jul 2018 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.8	116.6
145	30.0	24.4	36.6

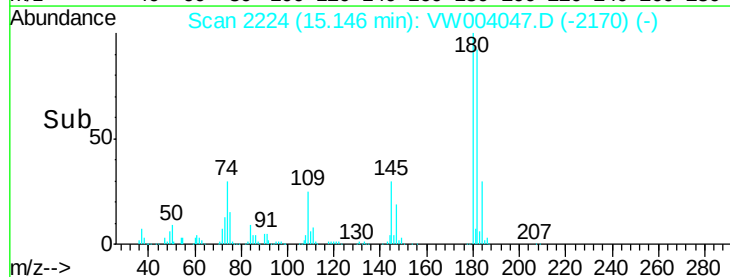
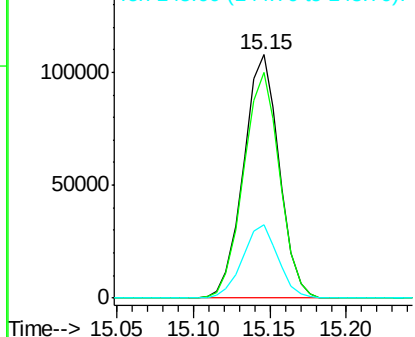


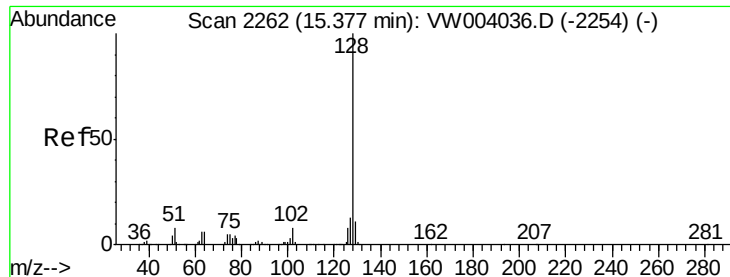
Abundance

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: 26.689 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

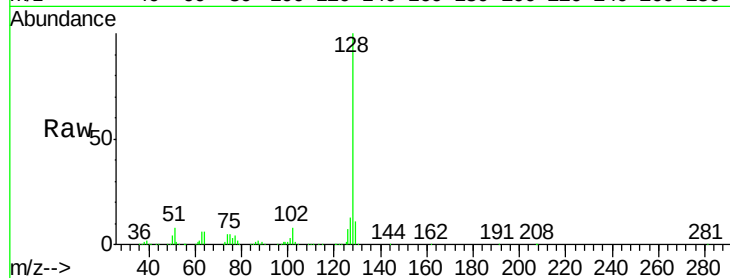
Tgt Ion:128 Resp: 393192

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

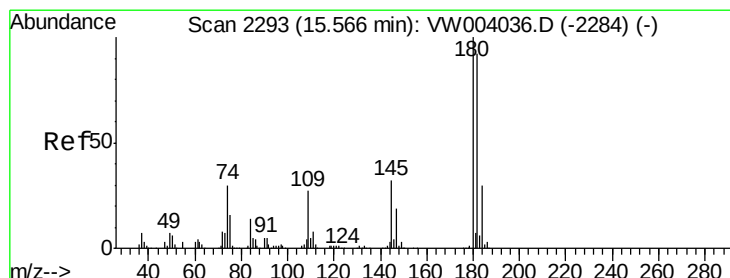
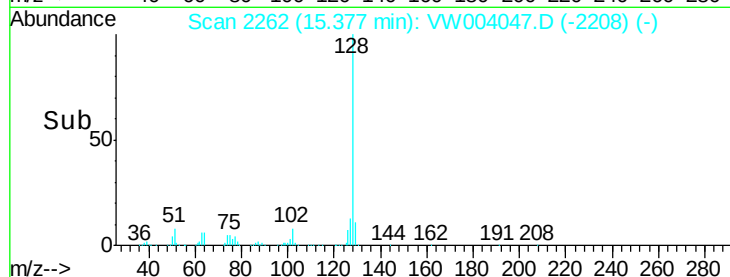
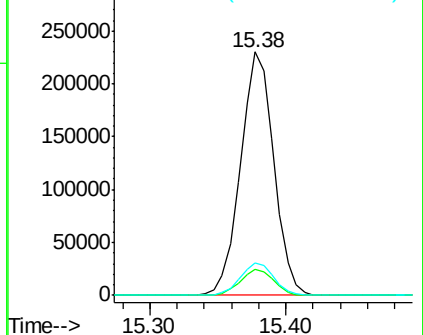
127 13.5 10.9 16.3



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: 27.030 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004047.D

Acq: 19 Jul 2018 20:22

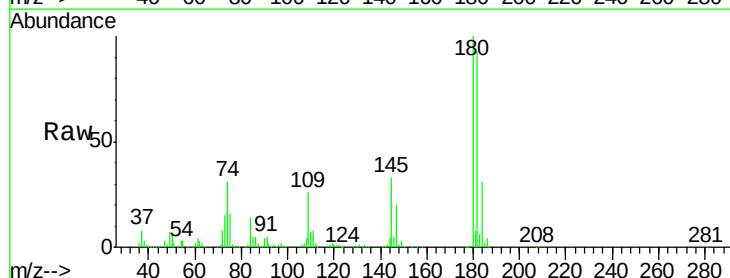
Tgt Ion:180 Resp: 168279

Ion Ratio Lower Upper

180 100

182 95.1 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

