

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
 Data File : VW005378.D
 Acq On : 14 Sep 2018 03:57
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Sep 14 06:00:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 05:03:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	304403	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305929	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	156704	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	73124	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.24%
7) Chloroethane-d5	2.89	69	57137	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
10) 1,1-Dichloroethene-d2	4.03	63	140496	22.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.60%
20) 2-Butanone-d5	7.10	46	46858	35.41	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.82%
24) Chloroform-d	7.65	84	145084	25.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.24%
26) 1,2-Dichloroethane-d4	8.31	65	90211	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.40%
29) Benzene-d6	8.29	84	289502	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
33) 1,2-Dichloropropane-d6	9.28	67	80348	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	10.33	98	300985	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.76%
38) trans-1,3-Dichloropropene-	10.59	79	40824	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.08%
39) 2-Hexanone-d5	10.93	63	41137	37.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.36%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	80546	21.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	113420	24.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	160568	25.589	ug/L 100
3) Chloromethane	2.21	50	143676	24.865	ug/L 96
5) Vinyl chloride	2.36	62	136100	24.723	ug/L 100
6) Bromomethane	2.78	94	75818	26.583	ug/L 99
8) Chloroethane	2.92	64	74821	25.589	ug/L 96
9) Trichlorofluoromethane	3.26	101	175843	24.525	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	98814	25.228	ug/L 100
12) 1,1-Dichloroethene	4.04	96	82560	24.922	ug/L 88
13) Acetone	4.15	43	44980	36.207	ug/L 99
14) Carbon disulfide	4.39	76	310671	23.887	ug/L 99
15) Methyl Acetate	4.69	43	53526	19.530	ug/L 99
16) Methylene chloride	4.93	84	113444	19.625	ug/L 99
17) Methyl tert-butyl Ether	5.44	73	224995	24.466	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	95793	25.896	ug/L 96
19) 1,1-Dichloroethane	6.23	63	177094	26.199	ug/L 97
21) 2-Butanone	7.19	43	68835	36.155	ug/L 96
22) cis-1,2-Dichloroethene	7.18	96	100830	25.540	ug/L 95

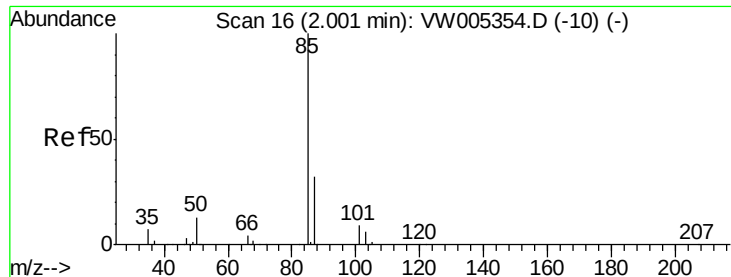
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091418\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 05:03:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47449	25.790	ug/L	97
25) Chloroform	7.68	83	187784	26.417	ug/L	100
27) 1,2-Dichloroethane	8.41	62	143448	25.997	ug/L	97
30) Cyclohexane	7.96	56	164997	23.886	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	173743	24.979	ug/L	99
32) Carbon tetrachloride	8.07	117	157322	24.380	ug/L	99
34) Benzene	8.33	78	430041	25.231	ug/L	100
35) Trichloroethene	9.10	95	109155	24.129	ug/L	99
36) Methylcyclohexane	9.34	83	182842	23.287	ug/L	99
40) 1,2-Dichloropropane	9.38	63	104115	24.745	ug/L	100
41) Bromodichloromethane	9.65	83	130824	24.255	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	155444	25.012	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	161139	40.057	ug/L	100
44) Toluene	10.40	91	502325	25.722	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	144339	24.788	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	79779	24.155	ug/L	98
47) Tetrachloroethene	10.87	164	98763	24.113	ug/L	99
49) 2-Hexanone	10.98	43	120068	40.599	ug/L	100
50) Dibromochloromethane	11.13	129	97595	24.736	ug/L	98
51) 1,2-Dibromoethane	11.24	107	75639	23.333	ug/L	99
52) Chlorobenzene	11.66	112	322000	25.268	ug/L	97
53) Ethylbenzene	11.74	91	574519	25.295	ug/L	99
54) m,p-Xylene	11.85	106	215611	25.353	ug/L	100
55) o-xylene	12.17	106	204944	25.663	ug/L	100
56) Styrene	12.19	104	361568	26.232	ug/L	99
57) Isopropylbenzene	12.47	105	563193	25.389	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	102904	22.660	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	85308	21.979	ug/L	99
62) Bromoform	12.35	173	62527	23.813	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	250239	25.113	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	260311	25.312	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	241264	25.291	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20668	19.967	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.64	180	193105	24.475	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	156956	24.068	ug/L	99
69) Naphthalene	15.38	128	323575	22.647	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	152859	24.940	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.589 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

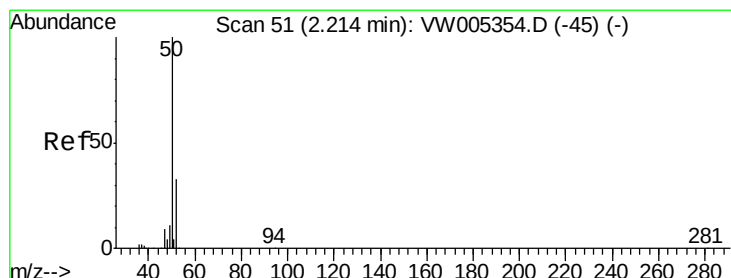
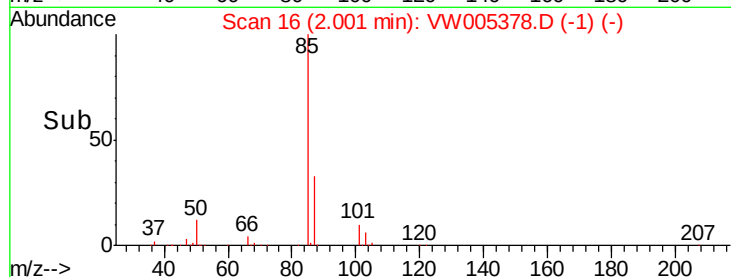
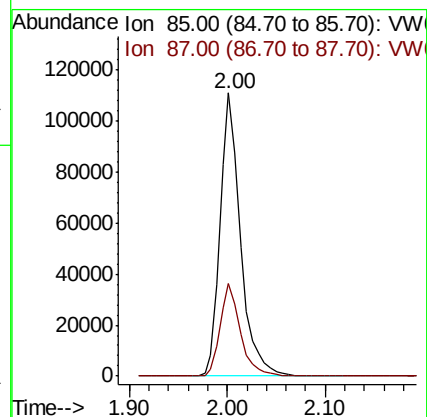
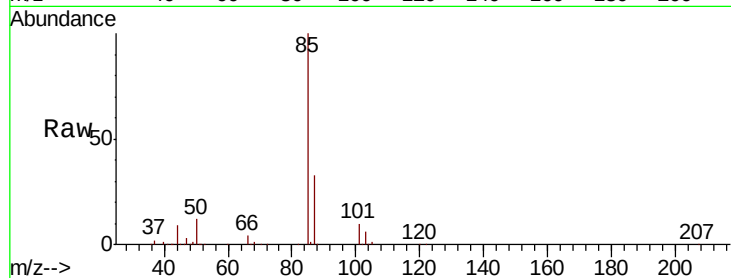
VSTD02588

Tgt Ion: 85 Resp: 160568

Ion Ratio Lower Upper

85 100

87 32.4 22.7 42.3



#3

Chloromethane

Concen: 24.865 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005378.D

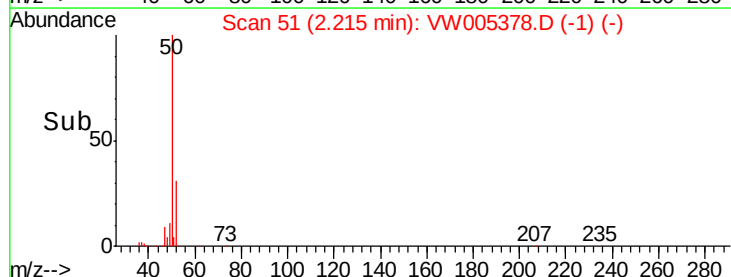
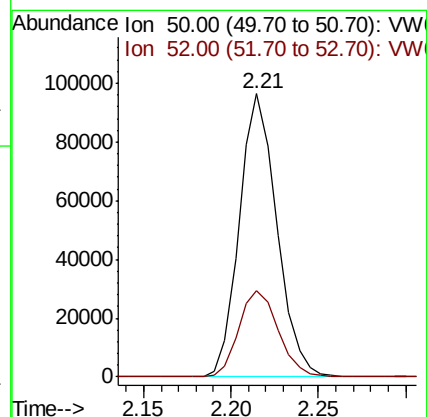
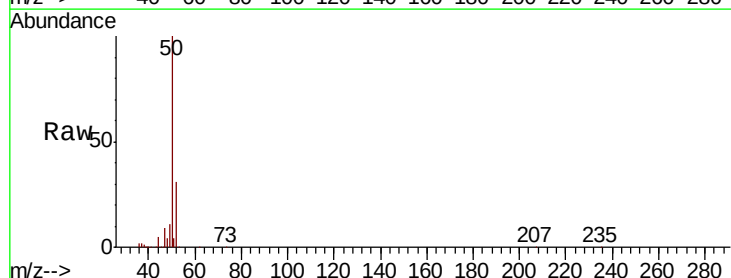
Acq: 14 Sep 2018 03:57

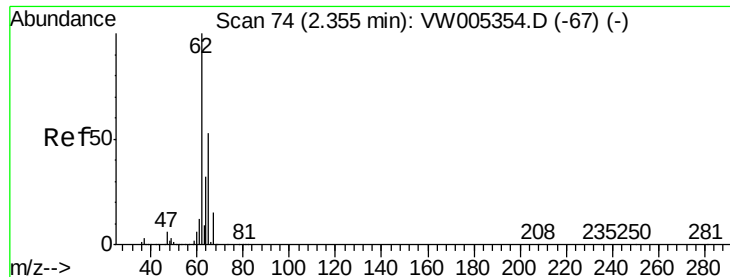
Tgt Ion: 50 Resp: 143676

Ion Ratio Lower Upper

50 100

52 30.6 22.9 42.5





#5

Vinyl chloride

Concen: 24.723 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

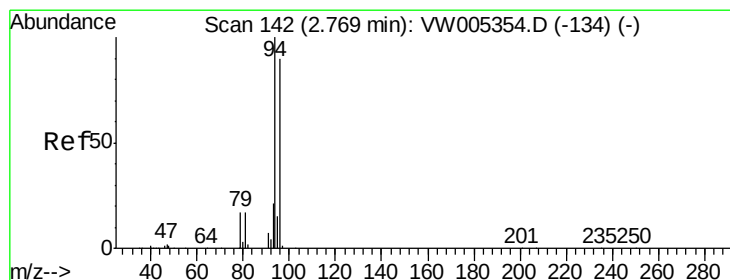
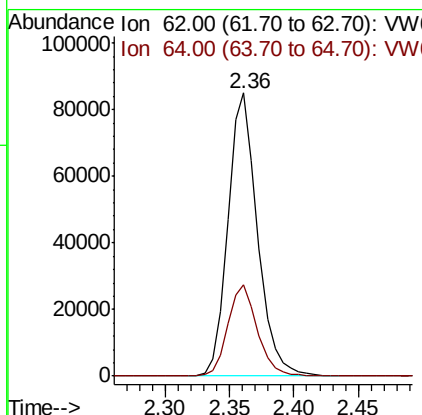
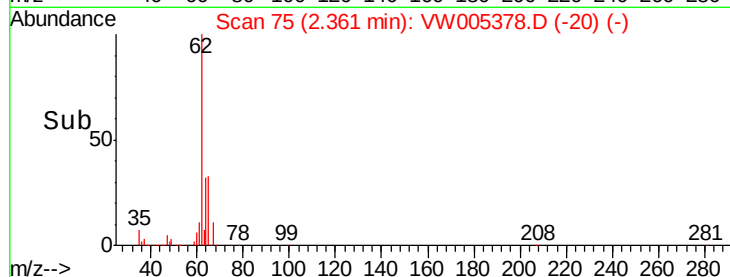
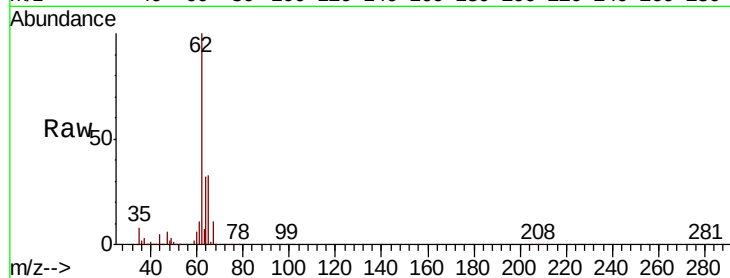
VSTD02588

Tgt Ion: 62 Resp: 136100

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#6

Bromomethane

Concen: 26.583 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005378.D

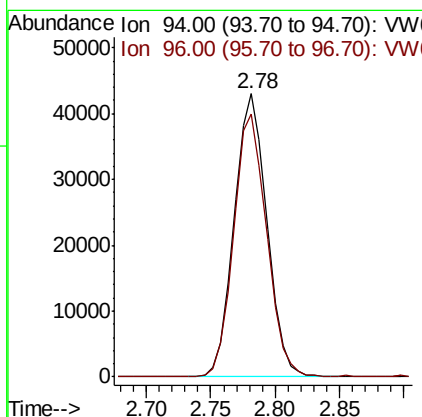
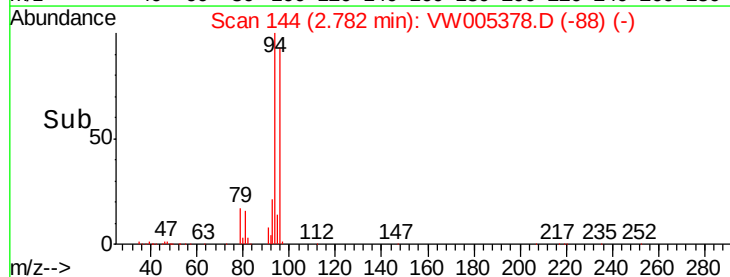
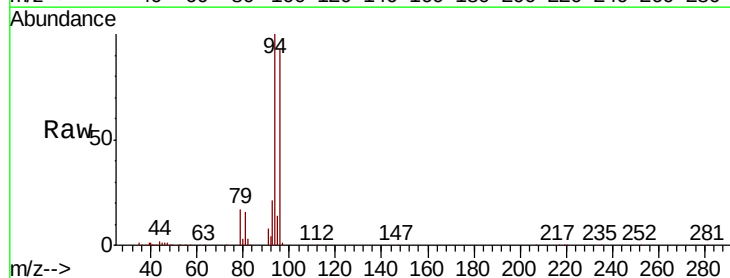
Acq: 14 Sep 2018 03:57

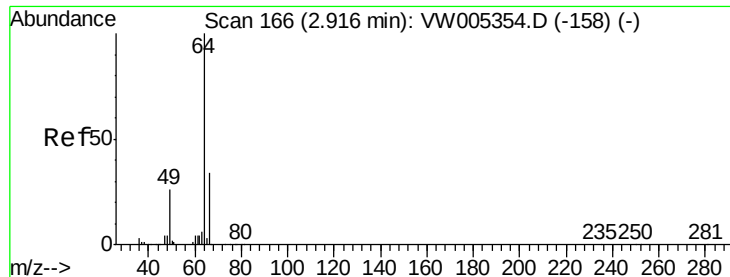
Tgt Ion: 94 Resp: 75818

Ion Ratio Lower Upper

94 100

96 93.6 9.3 176.3





#8

Chloroethane

Concen: 25.589 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

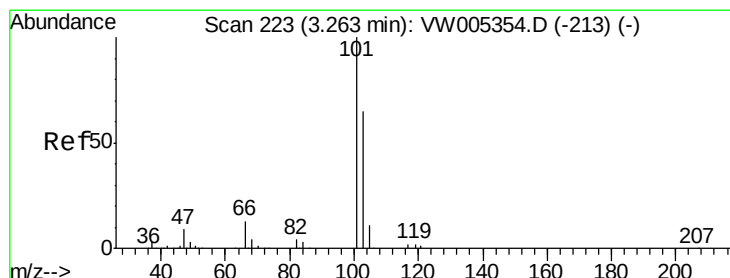
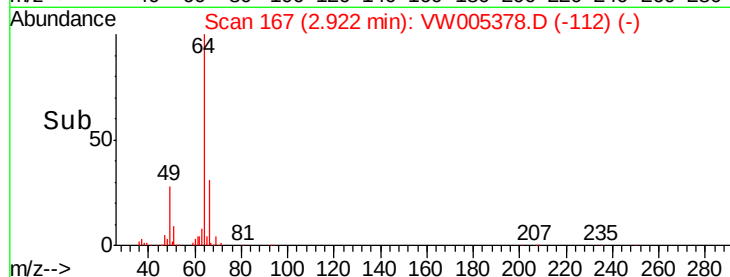
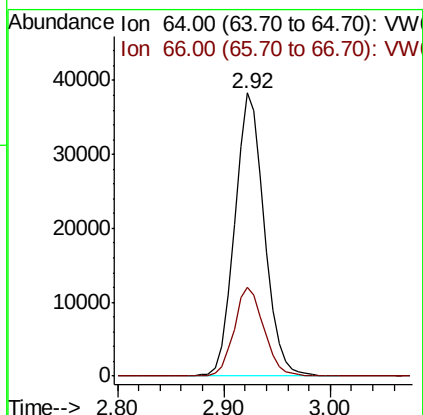
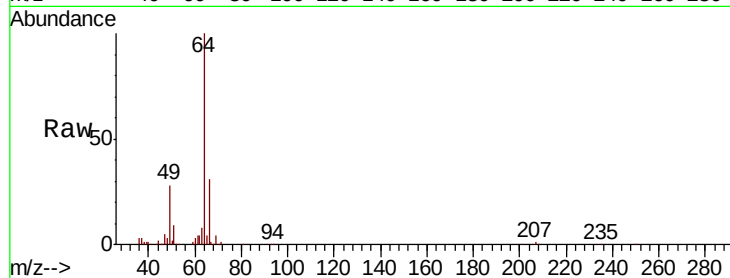
VSTD02588

Tgt Ion: 64 Resp: 74821

Ion Ratio Lower Upper

64 100

66 31.4 23.7 43.9



#9

Trichlorofluoromethane

Concen: 24.525 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW005378.D

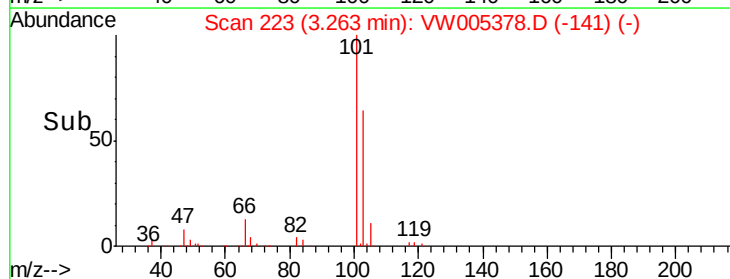
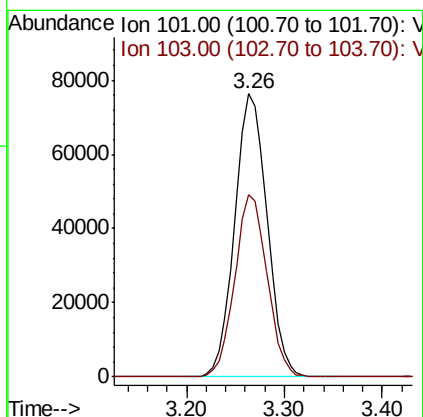
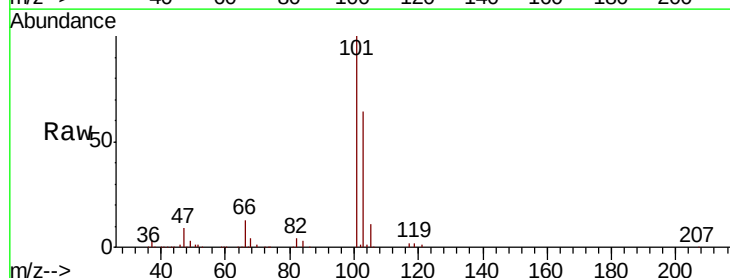
Acq: 14 Sep 2018 03:57

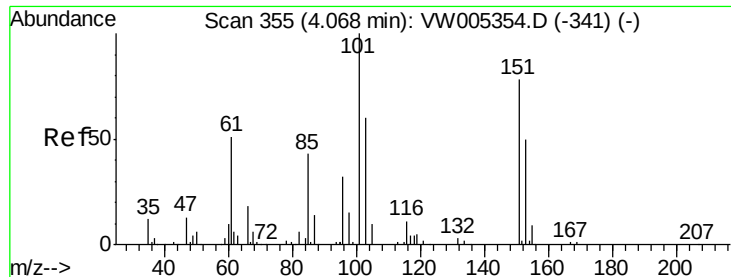
Tgt Ion: 101 Resp: 175843

Ion Ratio Lower Upper

101 100

103 64.0 44.9 83.5





#11

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

Concen: 25.228 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

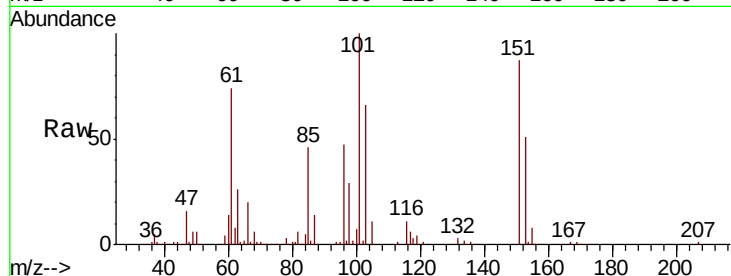
Tgt Ion: 101 Resp: 98814

Ion Ratio Lower Upper

101 100

85 44.4 35.8 53.8

151 80.2 63.9 95.9

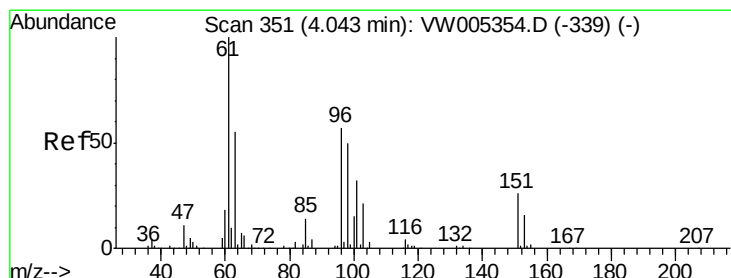
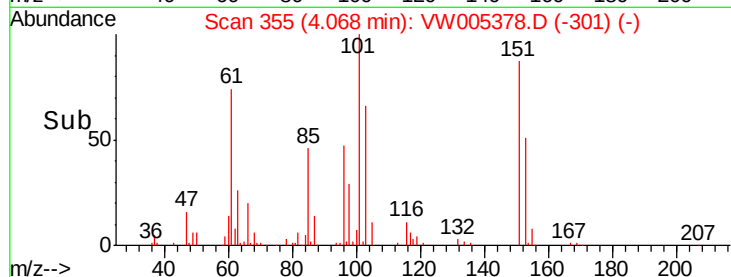
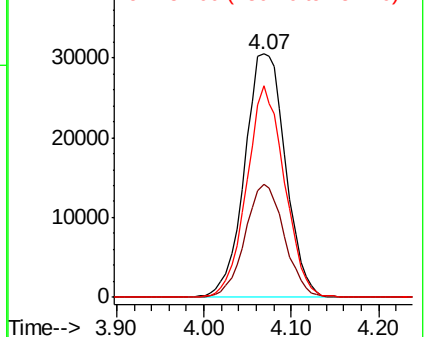


Abundance

Ion 101.00 (100.70 to 101.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): VW



#12

1,1-Dichloroethene

Concen: 24.922 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

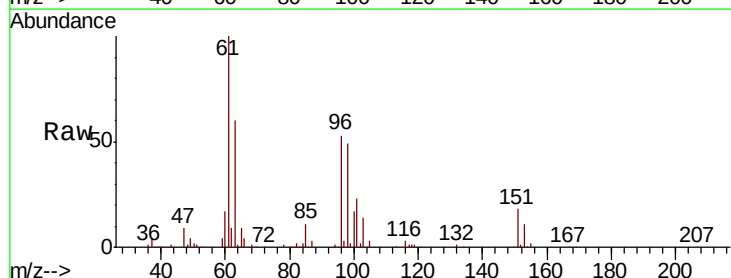
Tgt Ion: 96 Resp: 82560

Ion Ratio Lower Upper

96 100

61 190.0 123.3 229.1

63 114.3 69.4 128.8

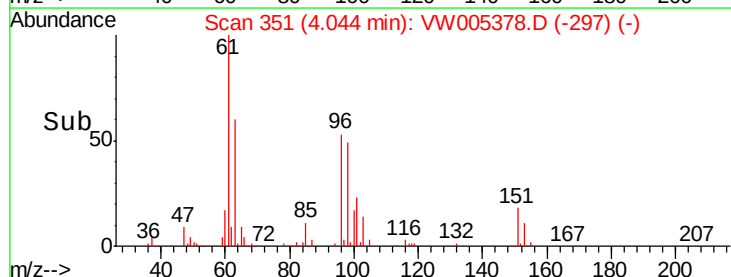
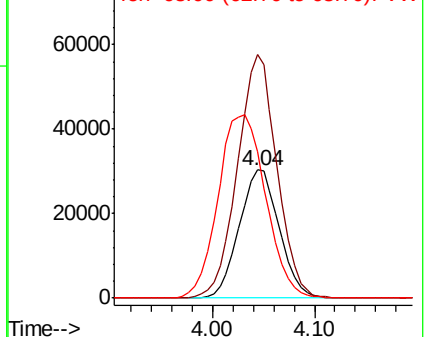


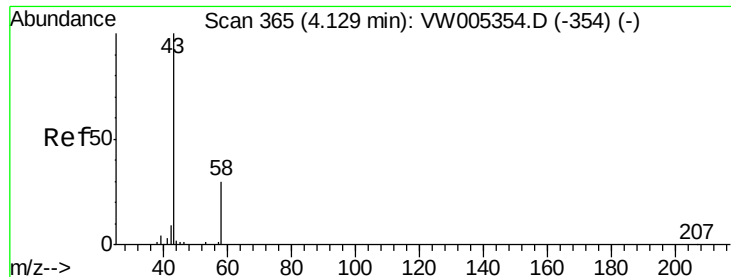
Abundance

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: 36.207 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

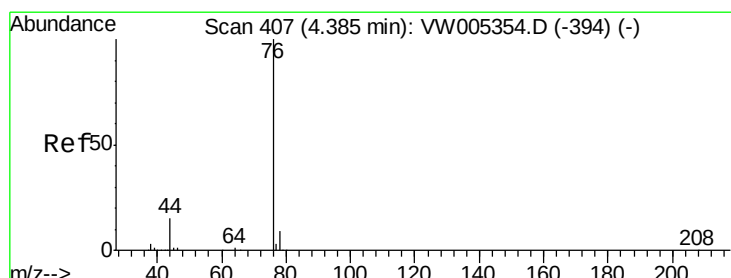
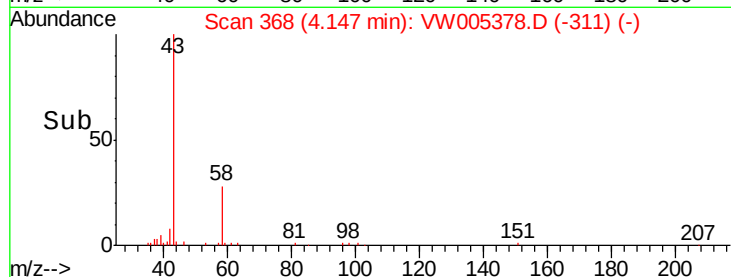
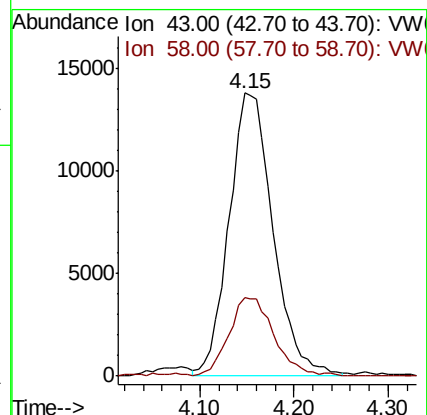
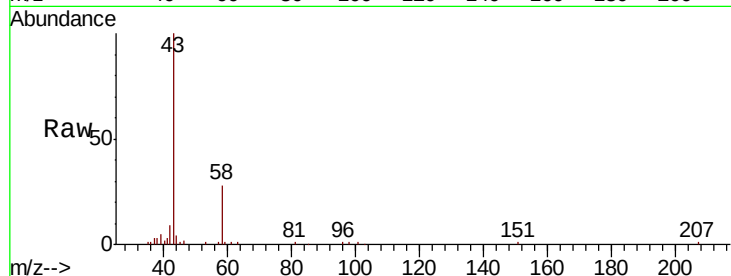
VSTD02588

Tgt Ion: 43 Resp: 44980

Ion Ratio Lower Upper

43 100

58 28.1 0.0 57.6



#14

Carbon disulfide

Concen: 23.887 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005378.D

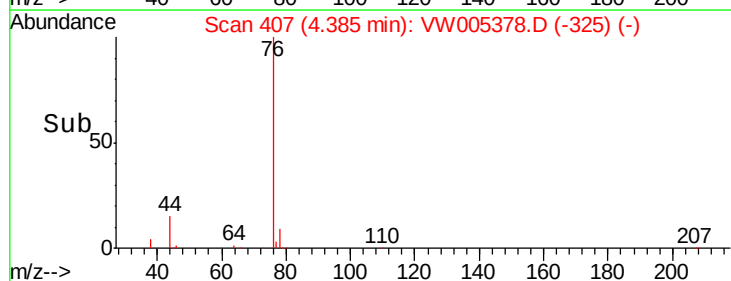
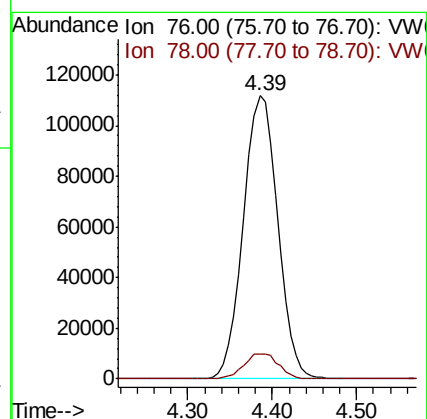
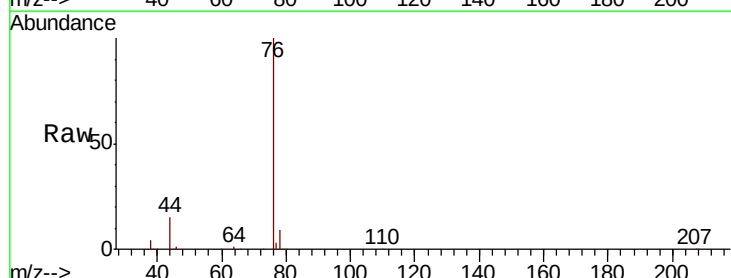
Acq: 14 Sep 2018 03:57

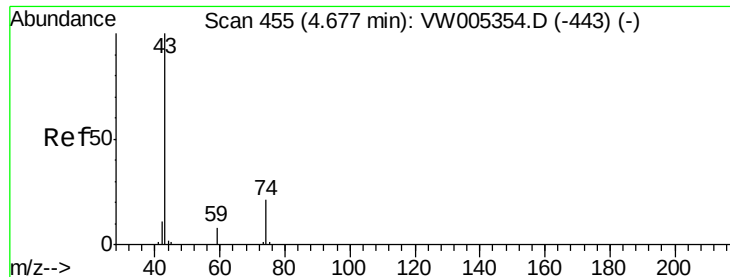
Tgt Ion: 76 Resp: 310671

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

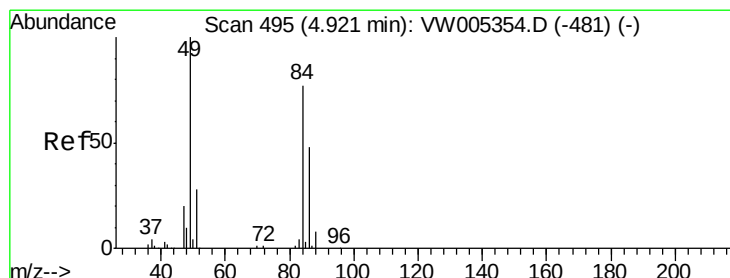
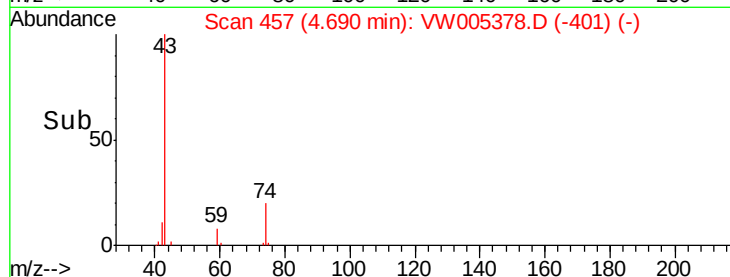
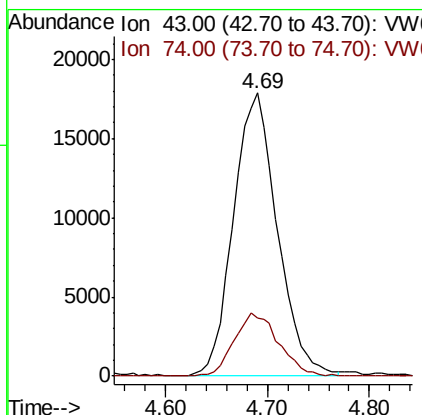
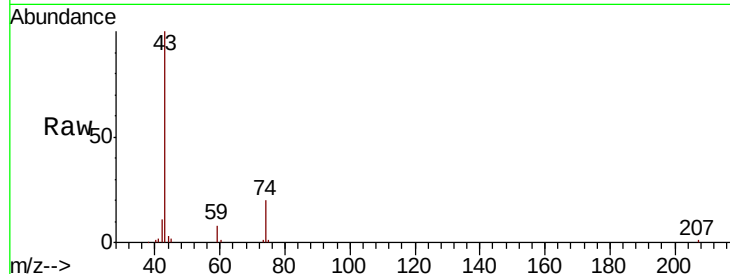




#15
Methyl Acetate
Concen: 19.530 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

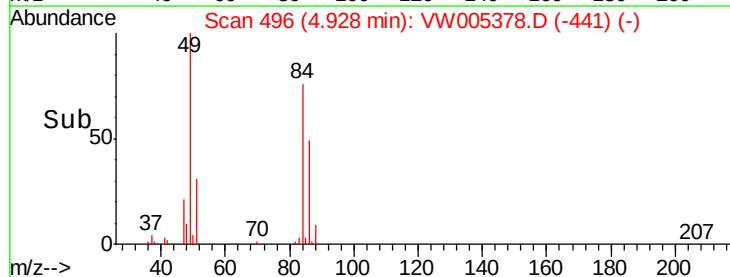
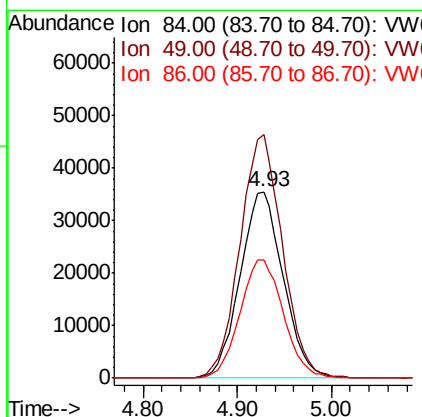
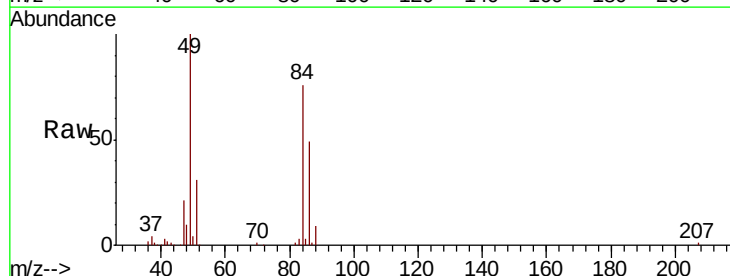
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

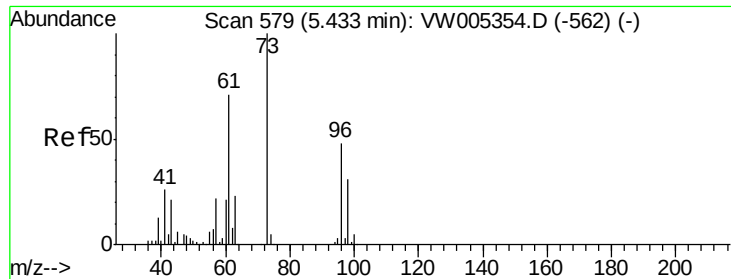
Tgt Ion: 43 Resp: 53526
Ion Ratio Lower Upper
43 100
74 22.5 17.5 26.3



#16
Methylene chloride
Concen: 19.625 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

Tgt Ion: 84 Resp: 113444
Ion Ratio Lower Upper
84 100
49 130.8 90.9 168.7
86 63.5 43.6 81.0

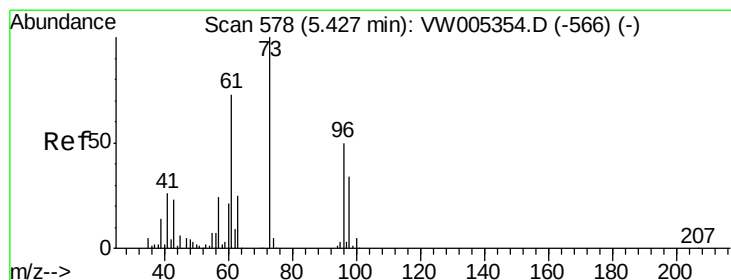
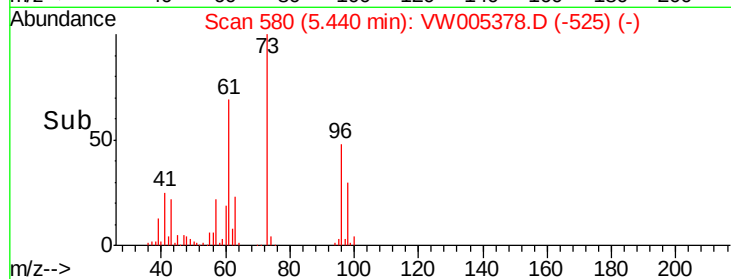
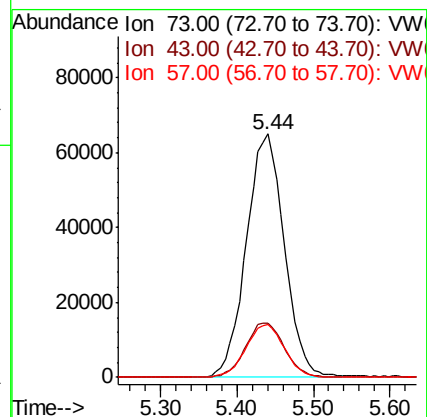
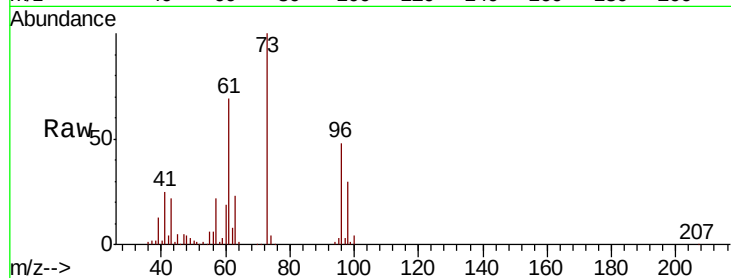




#17
Methyl tert-butyl Ether
Concen: 24.466 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

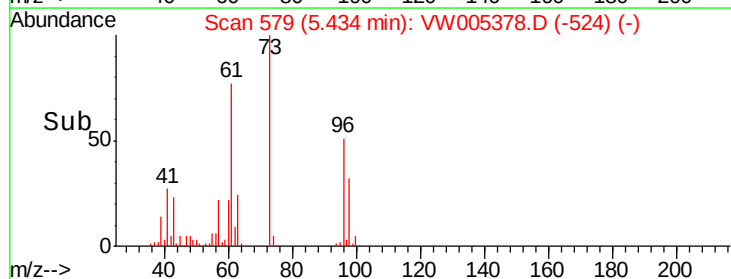
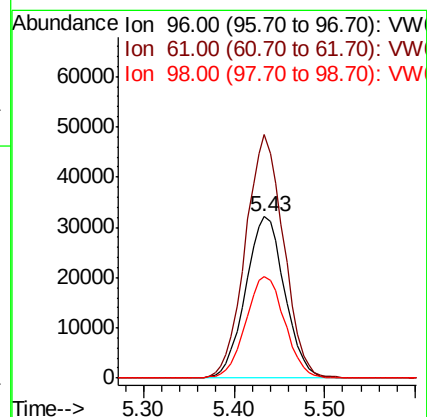
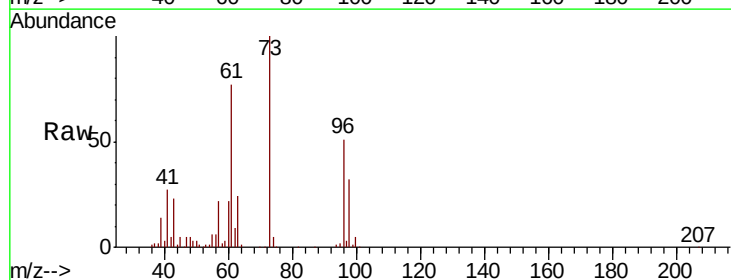
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

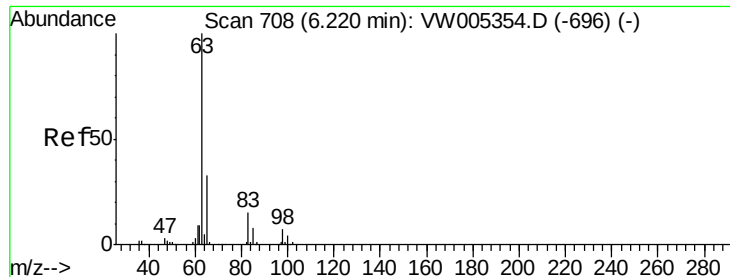
Tgt Ion: 73 Resp: 224995
Ion Ratio Lower Upper
73 100
43 23.1 17.7 26.5
57 21.9 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 25.896 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

Tgt Ion: 96 Resp: 95793
Ion Ratio Lower Upper
96 100
61 150.8 103.0 191.2
98 62.6 47.2 87.6

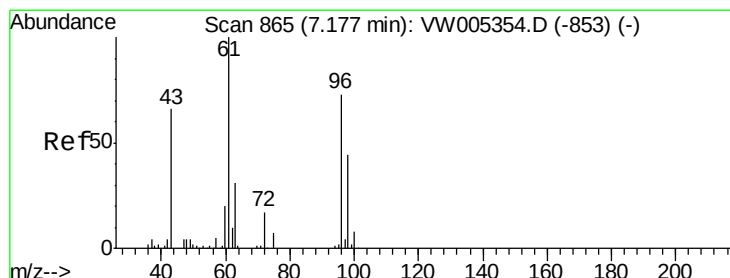
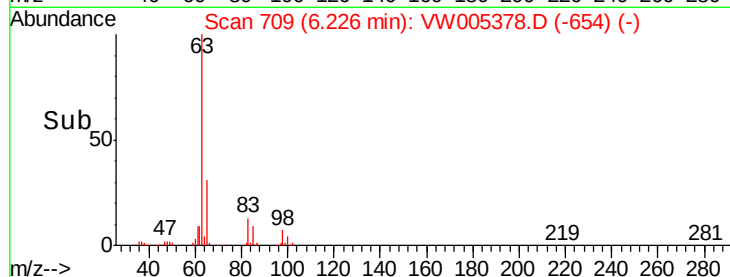
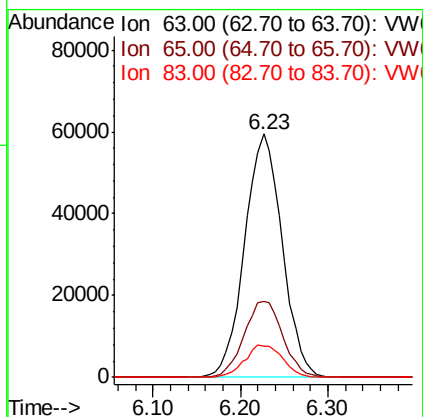
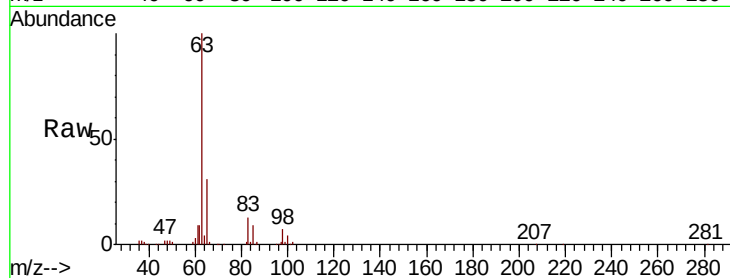




#19
 1,1-Dichloroethane
 Concen: 26.199 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

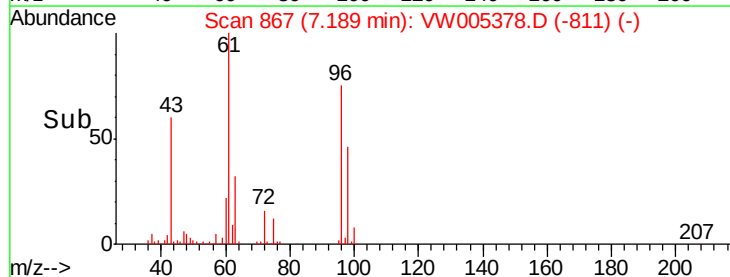
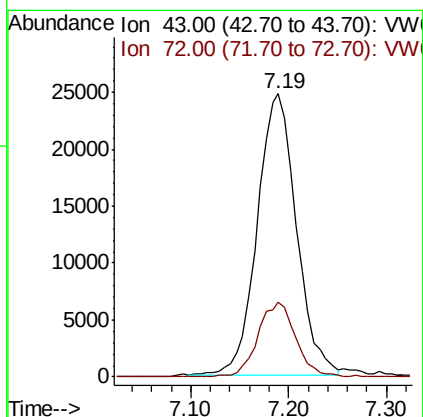
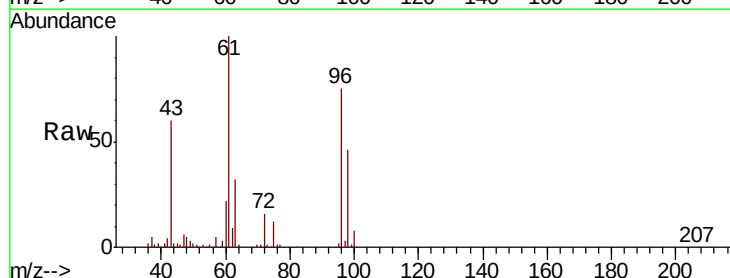
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

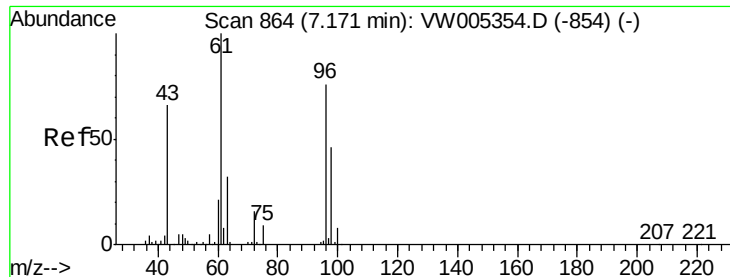
Tgt Ion: 63 Resp: 177094
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.9 42.5
 83 12.6 10.4 19.2



#21
 2-Butanone
 Concen: 36.155 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion: 43 Resp: 68835
 Ion Ratio Lower Upper
 43 100
 72 25.7 11.8 35.4



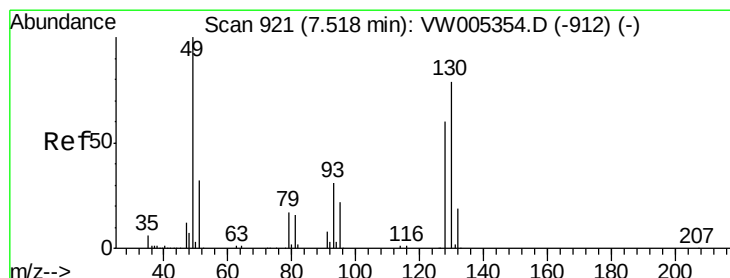
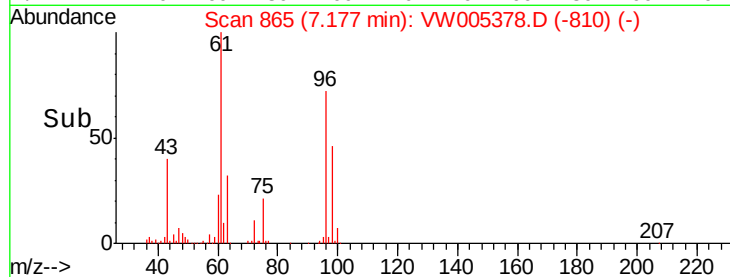
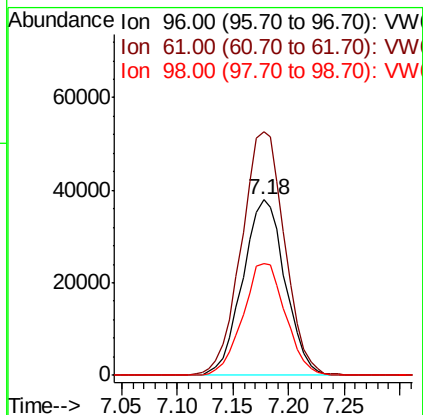
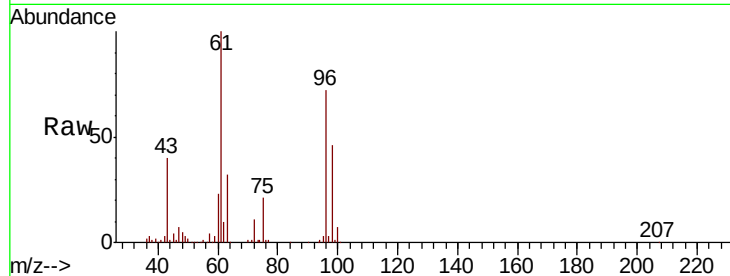


#22

cis-1,2-Dichloroethene
 Concen: 25.540 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

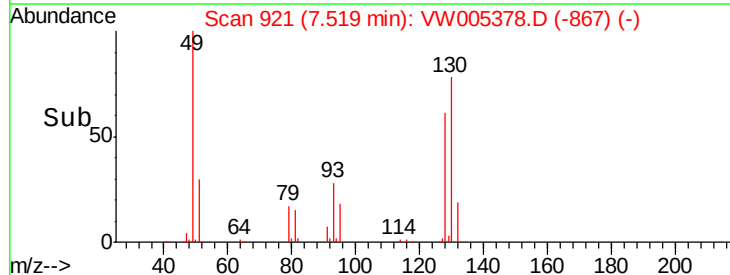
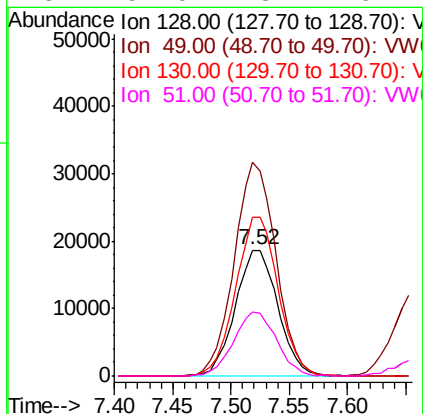
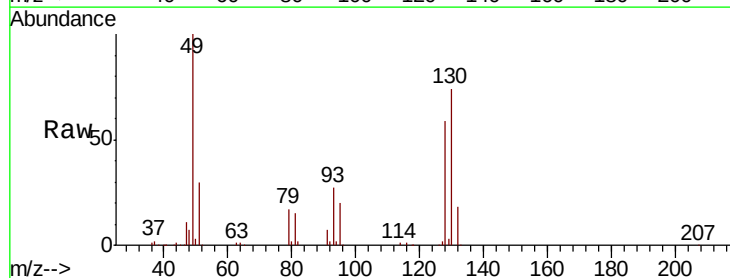
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.0	93.1	172.9
98	63.9	42.4	78.6

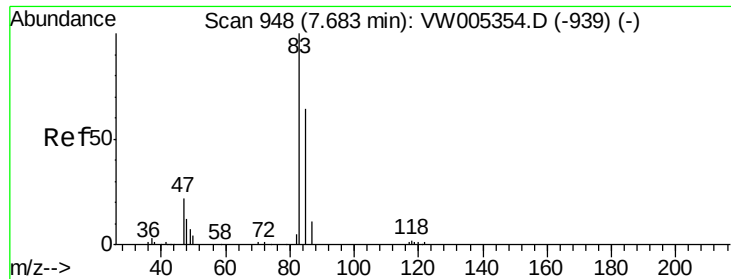


#23

Bromochloromethane
 Concen: 25.790 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.1	118.2	219.6
130	126.6	92.8	172.4
51	51.0	43.1	64.7

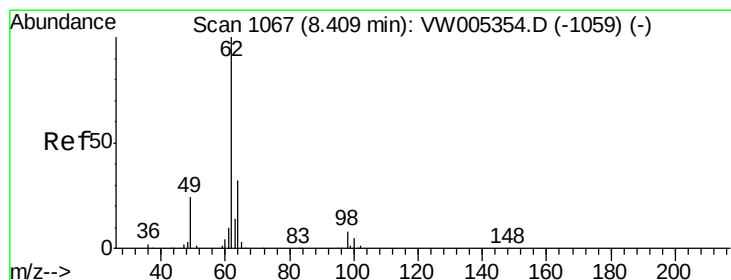
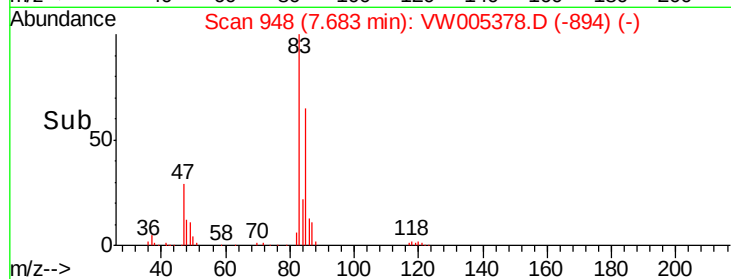
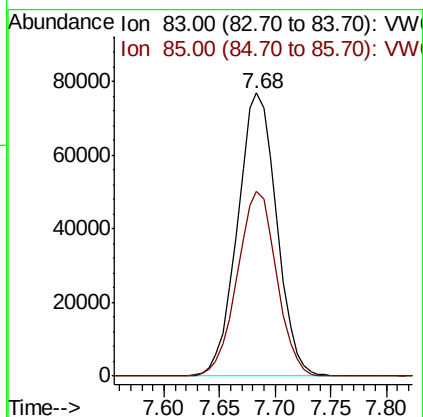
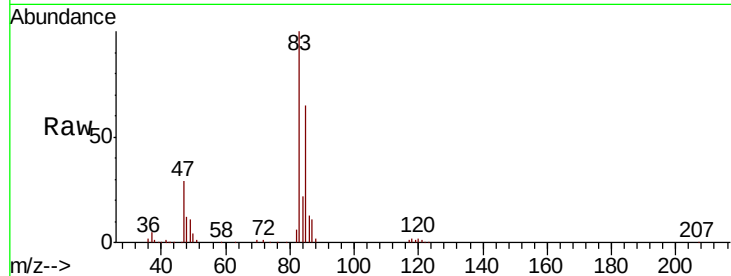




#25
 Chloroform
 Concen: 26.417 ug/L
 RT: 7.68 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

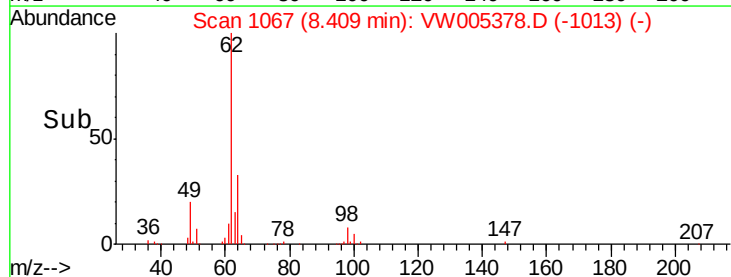
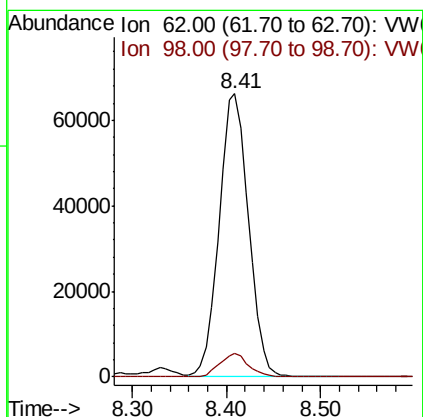
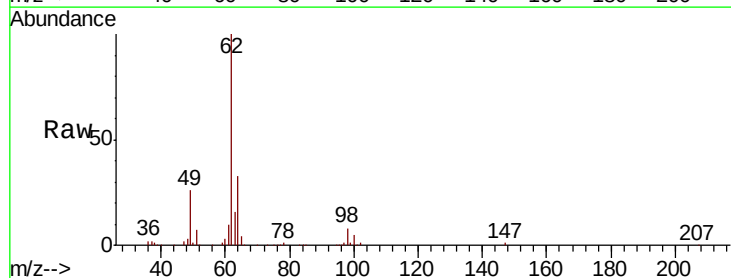
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

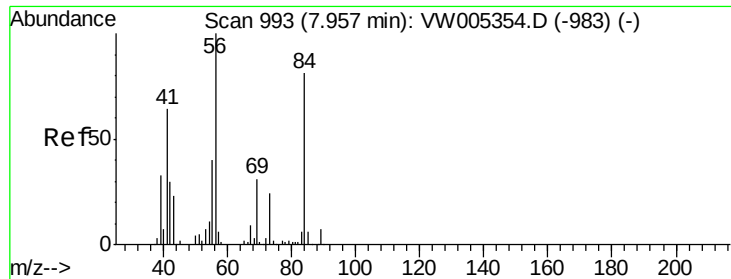
Tgt Ion: 83 Resp: 187784
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.6 84.8



#27
 1,2-Dichloroethane
 Concen: 25.997 ug/L
 RT: 8.41 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion: 62 Resp: 143448
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.0 9.0

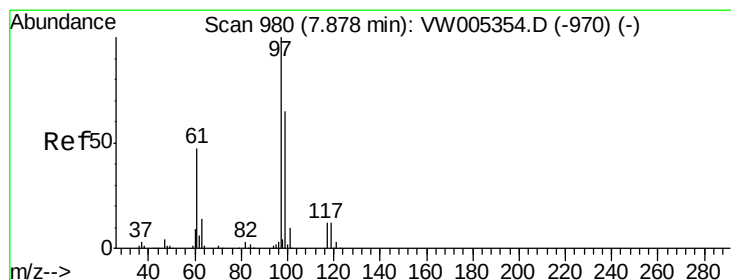
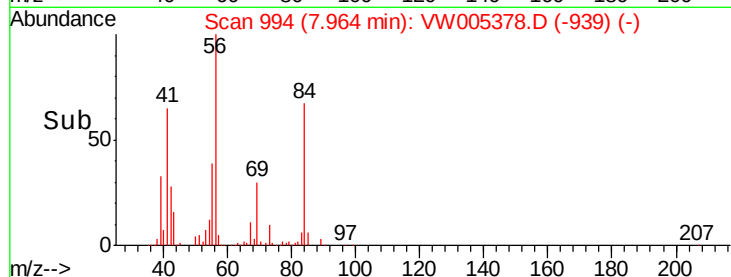
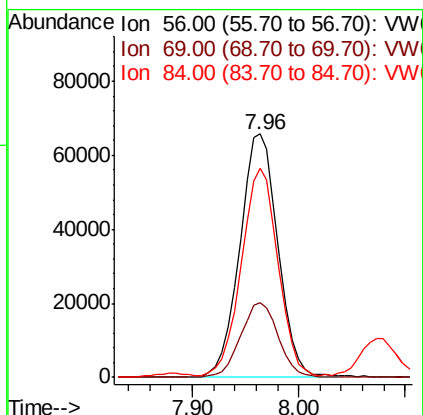
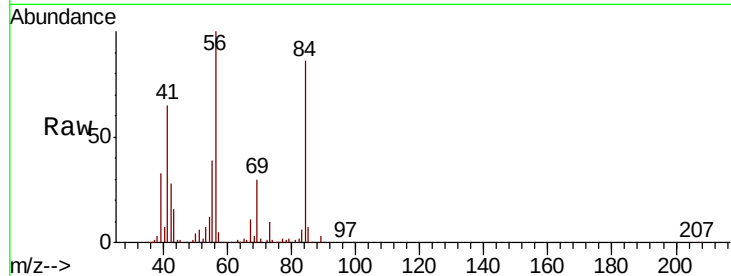




#30
Cyclohexane
Concen: 23.886 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

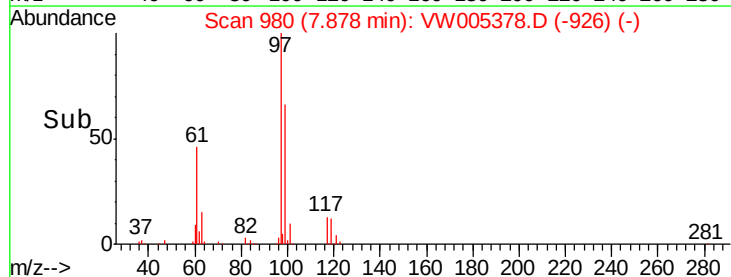
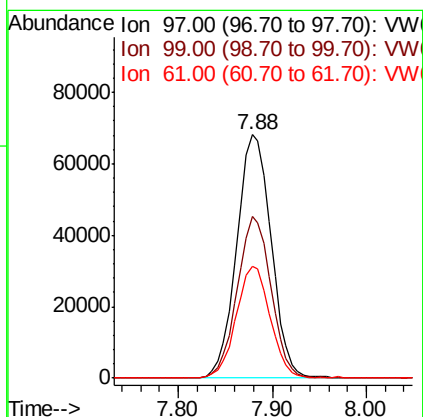
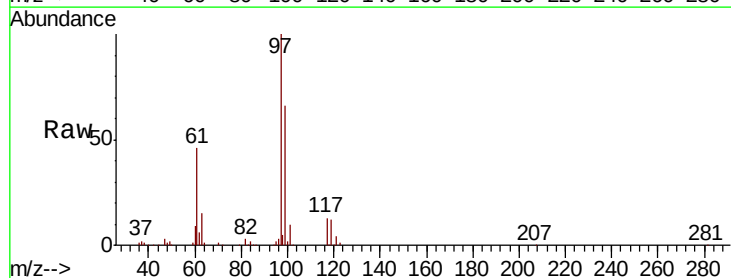
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

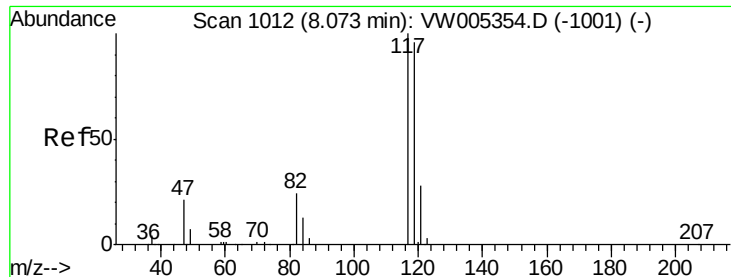
Tgt Ion: 56 Resp: 164997
Ion Ratio Lower Upper
56 100
69 30.3 24.7 37.1
84 83.3 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 24.979 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

Tgt Ion: 97 Resp: 173743
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 45.2 37.0 55.6





#32

Carbon tetrachloride

Concen: 24.380 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

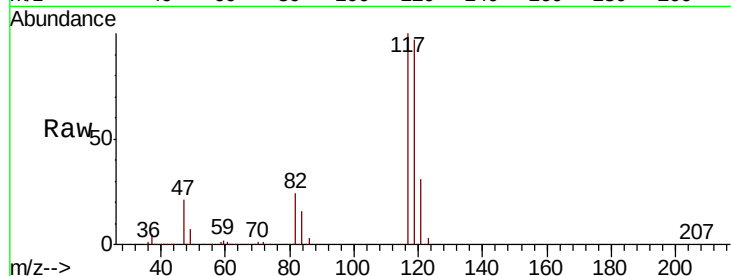
VSTD02588

Tgt Ion:117 Resp: 157322

Ion Ratio Lower Upper

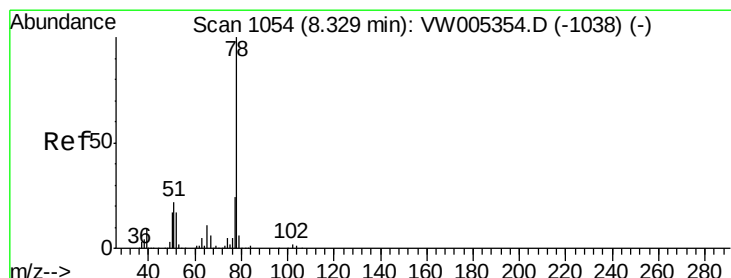
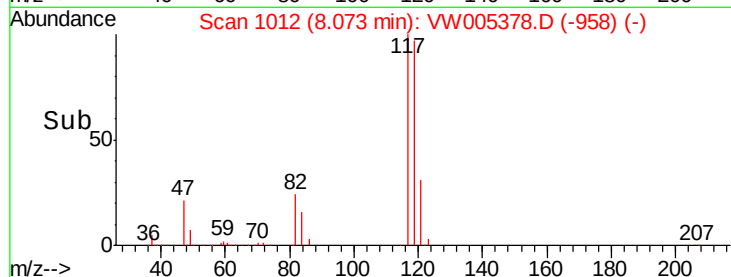
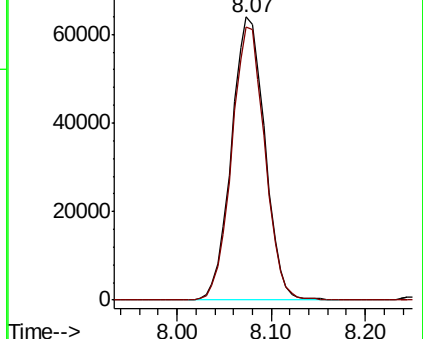
117 100

119 95.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.231 ug/L

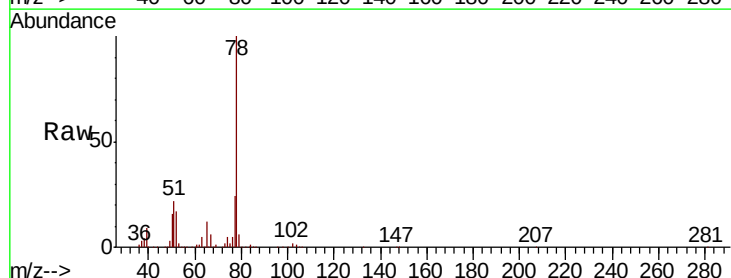
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

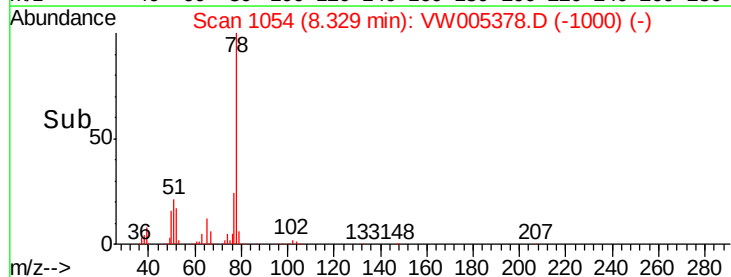
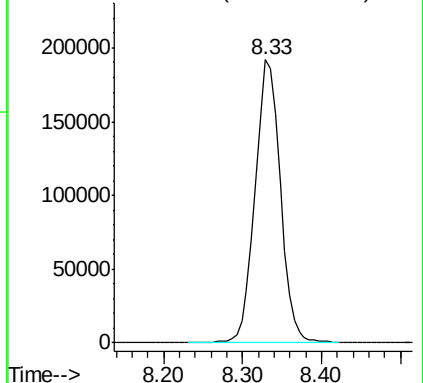
Lab File: VW005378.D

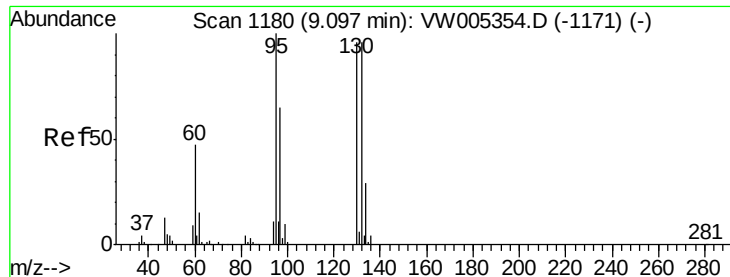
Acq: 14 Sep 2018 03:57

Tgt Ion: 78 Resp: 430041



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.129 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampled :

VSTD02588

Tgt Ion: 95 Resp: 109155

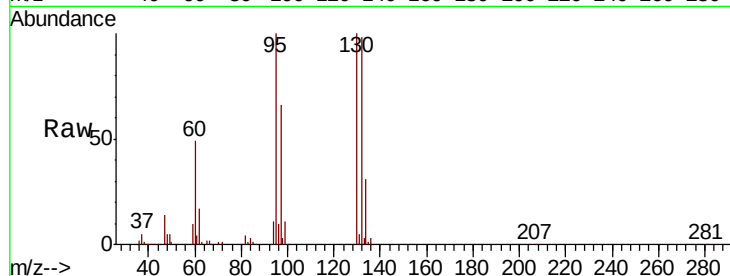
Ion Ratio Lower Upper

95 100

97 65.3 45.0 83.6

132 96.9 67.2 124.8

130 100.2 68.8 127.8



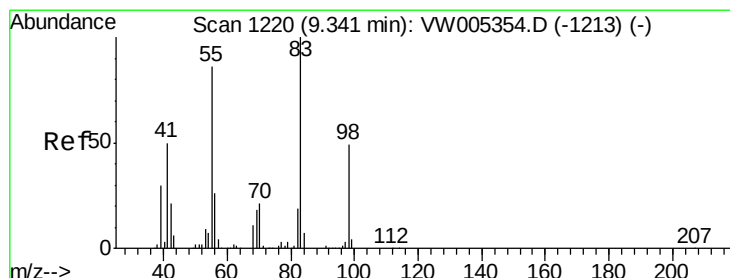
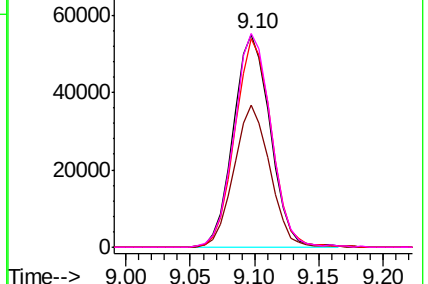
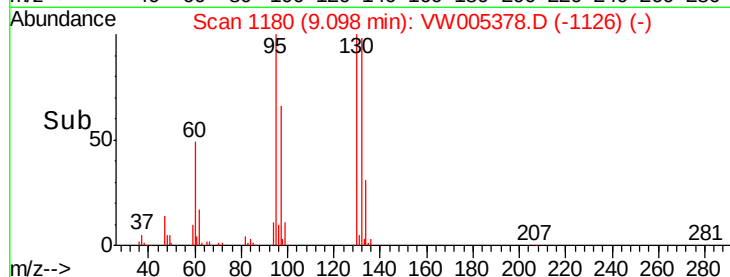
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.287 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

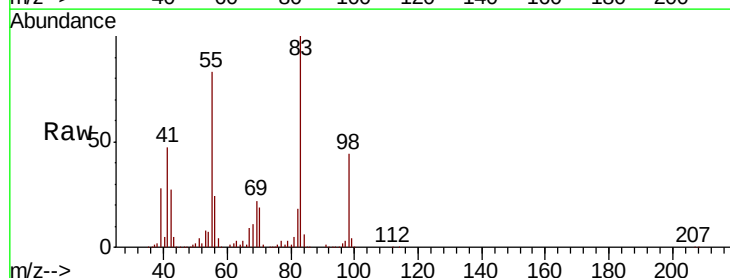
Tgt Ion: 83 Resp: 182842

Ion Ratio Lower Upper

83 100

55 84.0 66.4 99.6

98 46.1 37.3 55.9

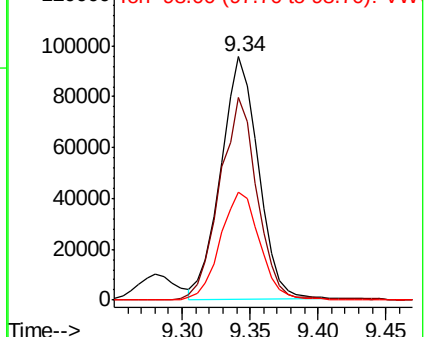
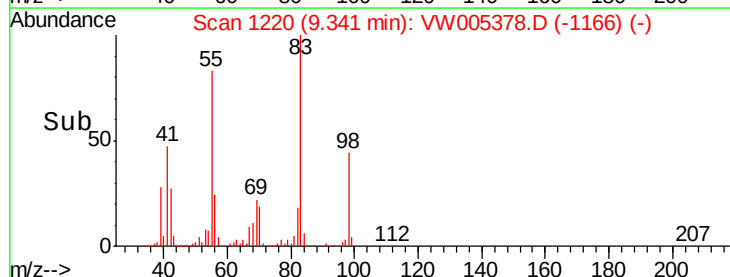


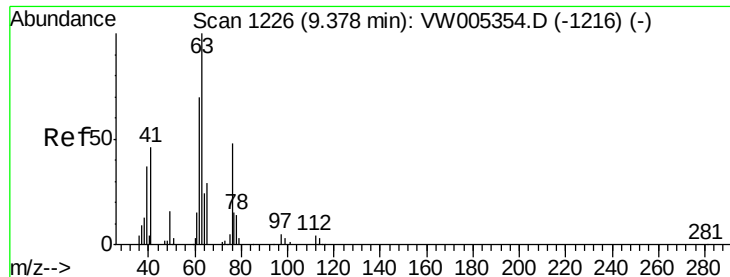
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

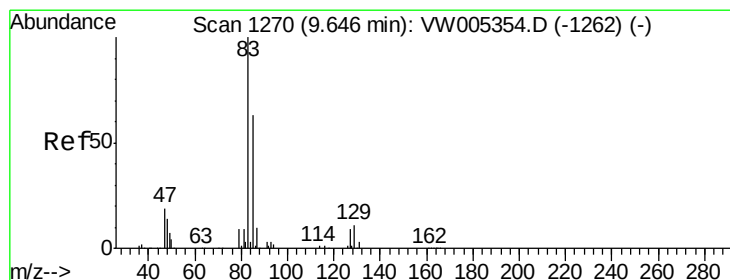
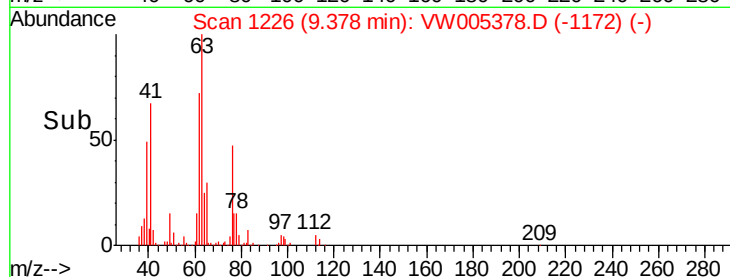
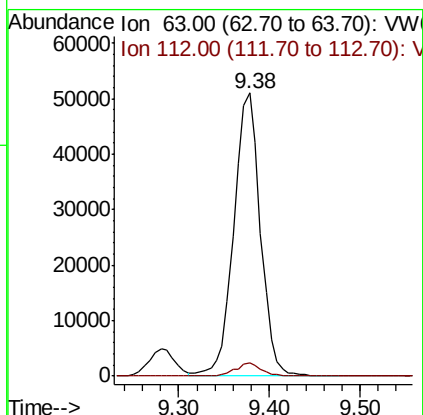
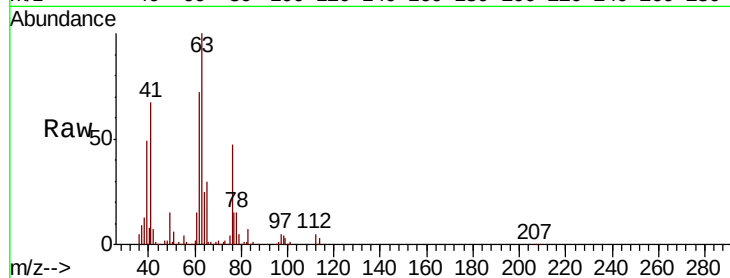




#40
 1,2-Dichloropropane
 Concen: 24.745 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

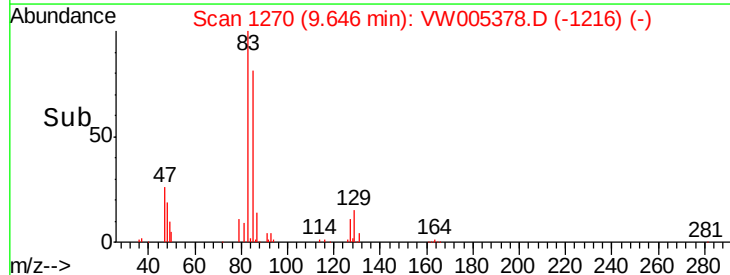
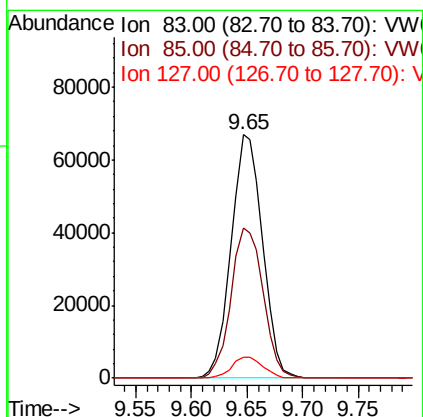
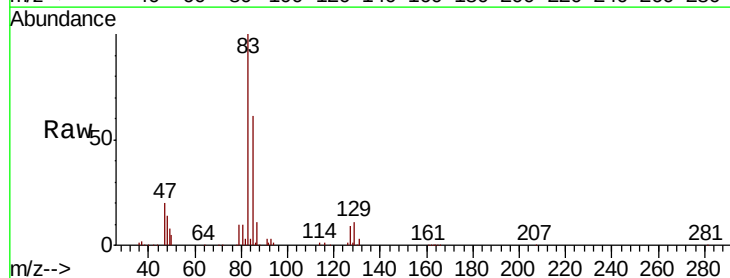
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

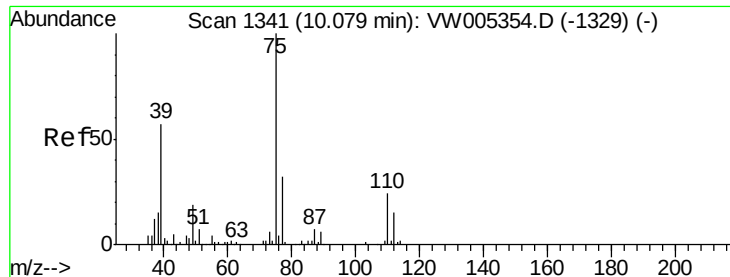
Tgt Ion: 63 Resp: 104115
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.255 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion: 83 Resp: 130824
 Ion Ratio Lower Upper
 83 100
 85 61.5 44.0 81.6
 127 8.6 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 25.012 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

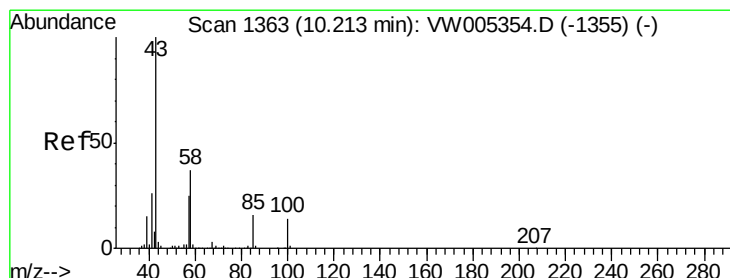
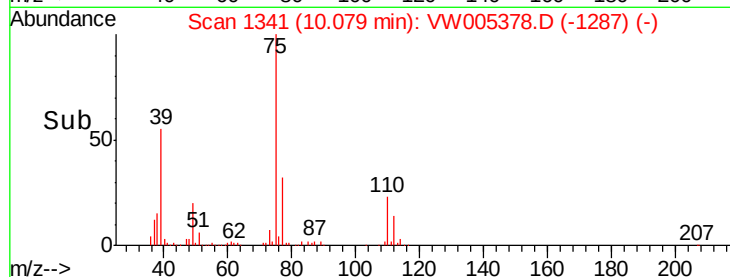
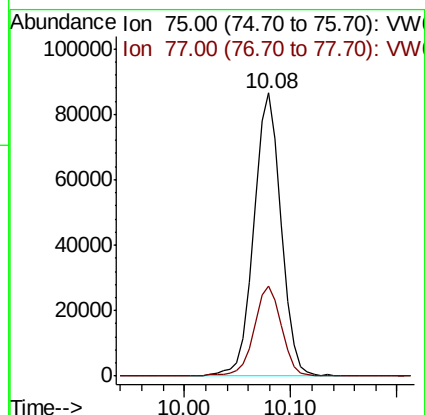
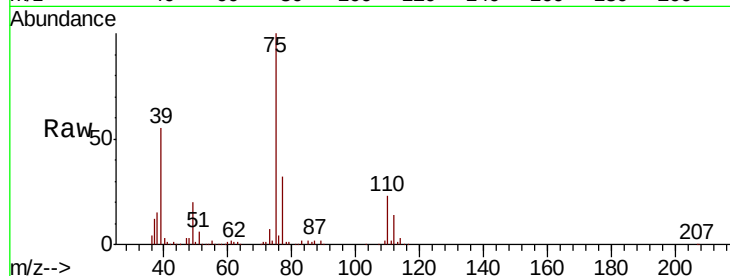
VSTD02588

Tgt Ion: 75 Resp: 155444

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 40.057 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

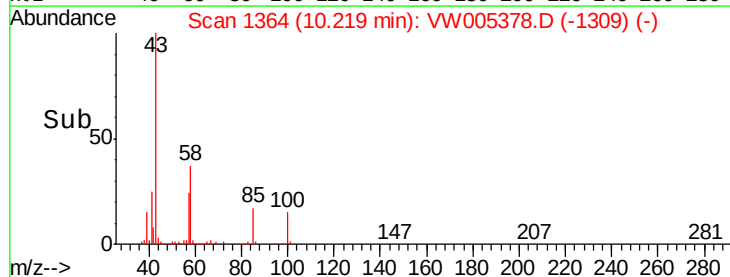
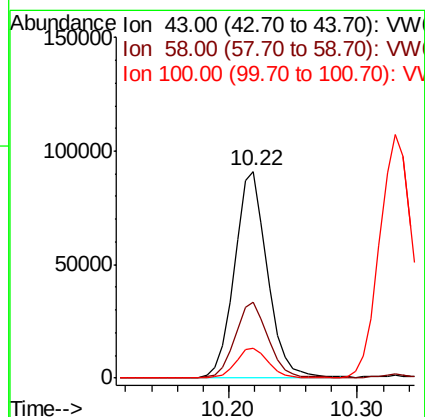
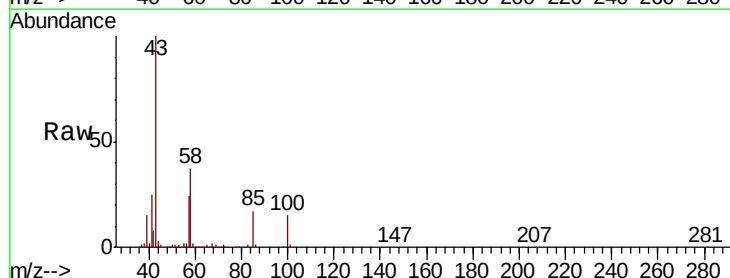
Tgt Ion: 43 Resp: 161139

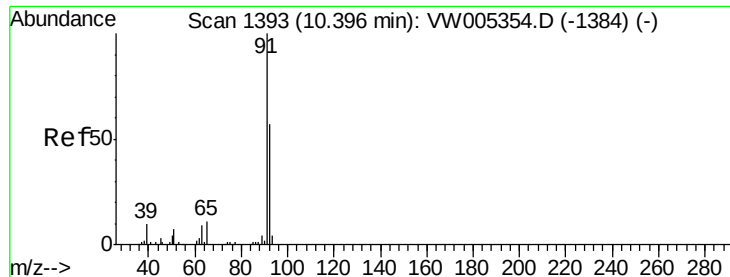
Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.8

100 14.6 11.4 17.0





#44

Toluene

Concen: 25.722 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

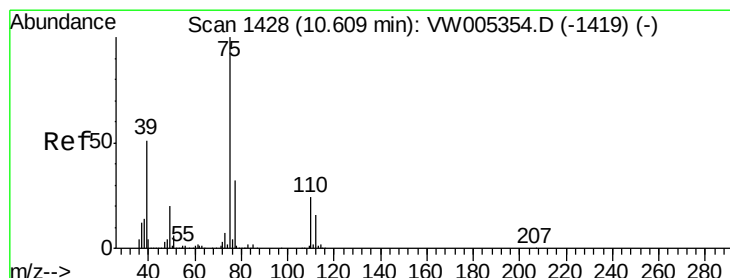
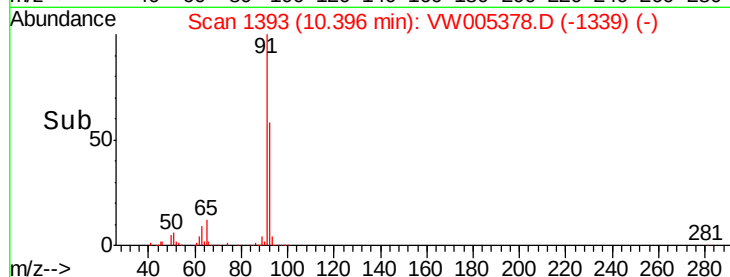
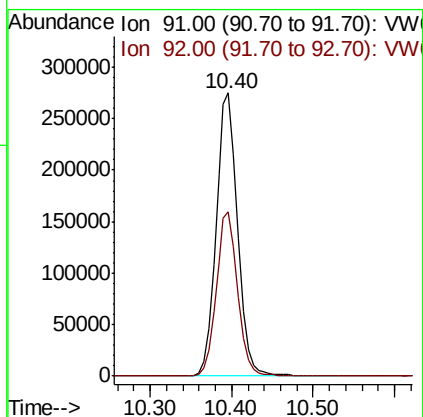
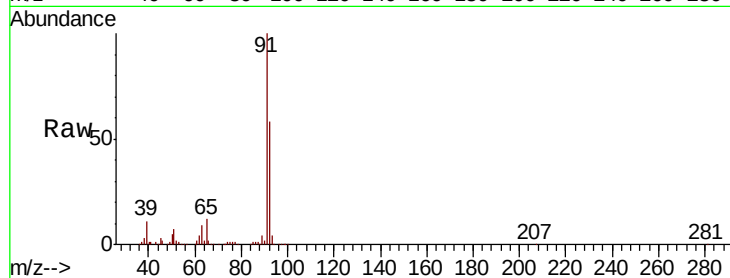
VSTD02588

Tgt Ion: 91 Resp: 502325

Ion Ratio Lower Upper

91 100

92 57.9 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 24.788 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005378.D

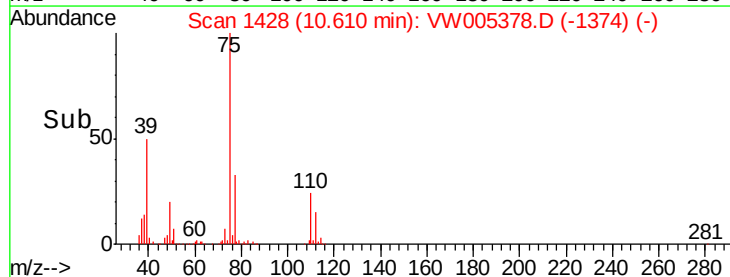
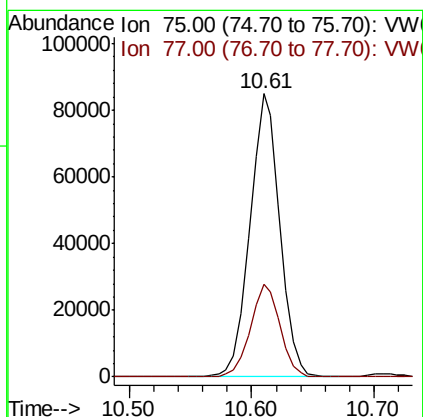
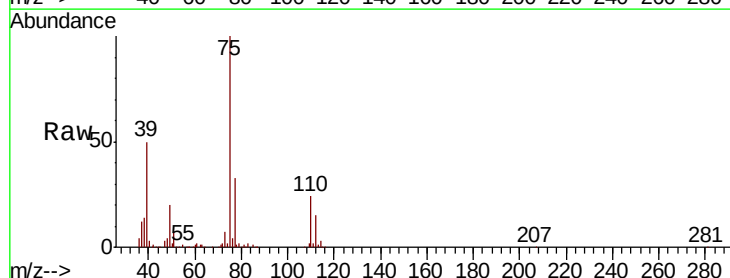
Acq: 14 Sep 2018 03:57

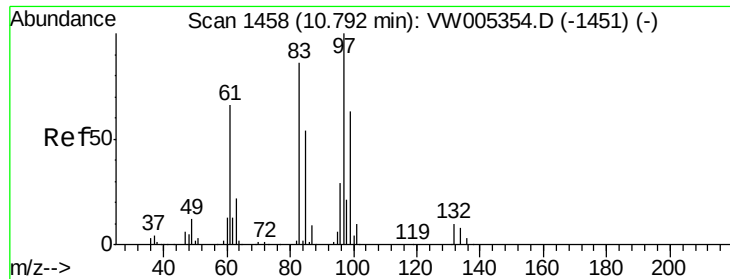
Tgt Ion: 75 Resp: 144339

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3

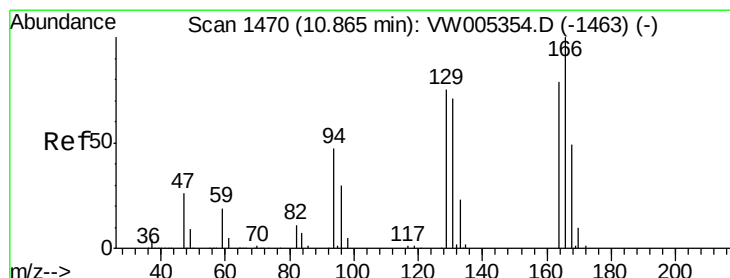
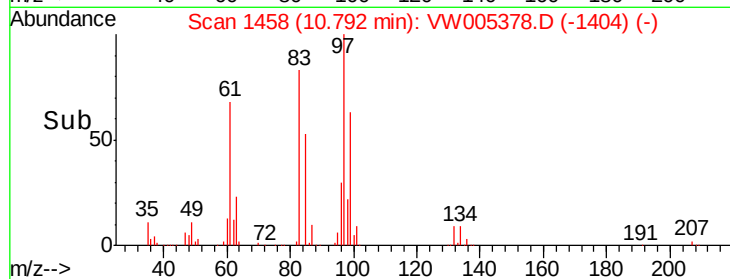
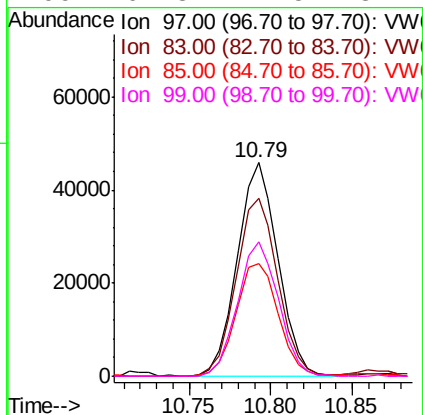
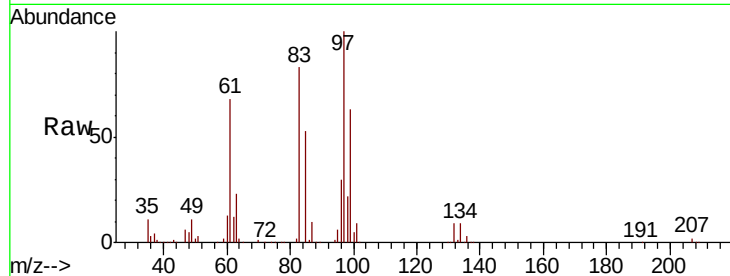




#46
 1,1,2-Trichloroethane
 Concen: 24.155 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

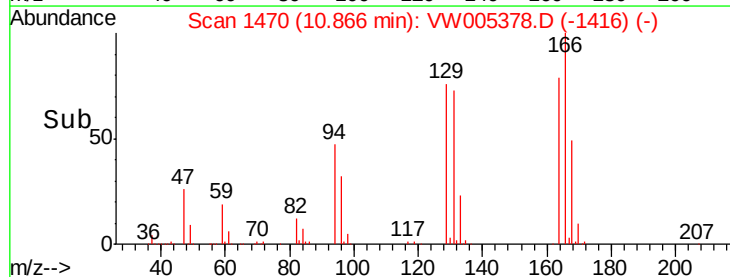
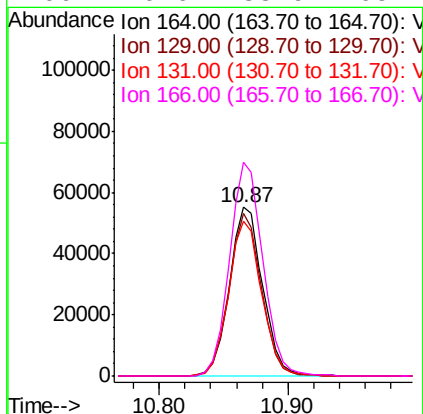
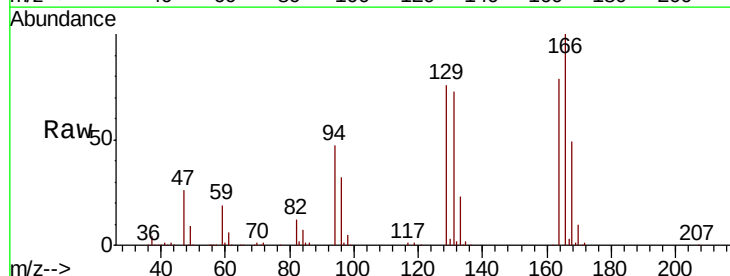
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

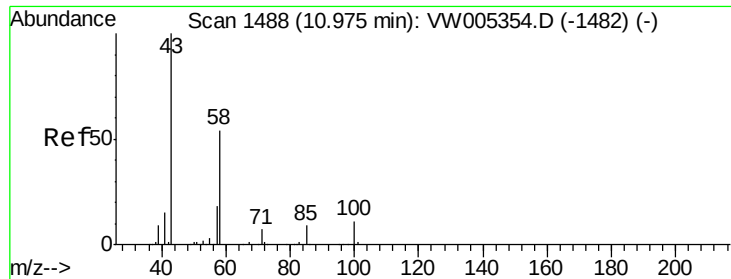
Tgt Ion:	97	Resp:	79779
Ion	Ratio	Lower	Upper
97	100		
83	83.1	60.2	111.8
85	52.7	37.9	70.5
99	62.8	44.5	82.7



#47
 Tetrachloroethene
 Concen: 24.113 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion:	164	Resp:	98763
Ion	Ratio	Lower	Upper
164	100		
129	96.7	66.2	123.0
131	92.0	63.6	118.0
166	126.6	88.9	165.1

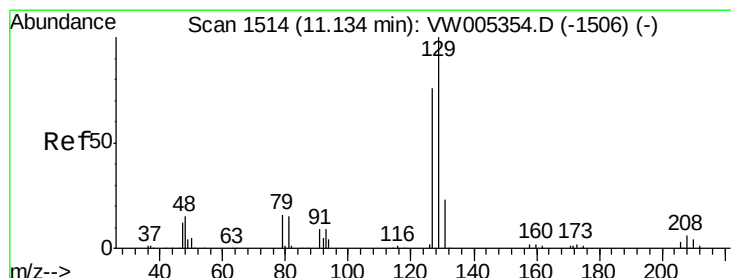
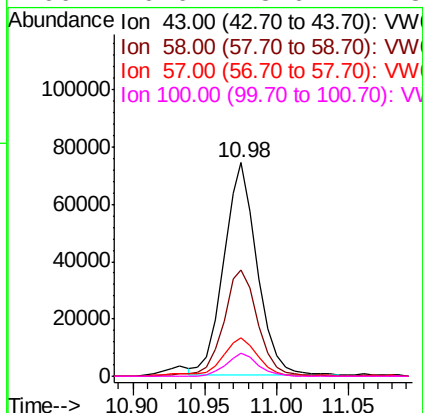
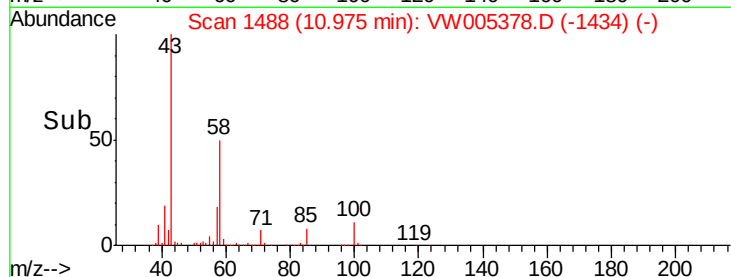
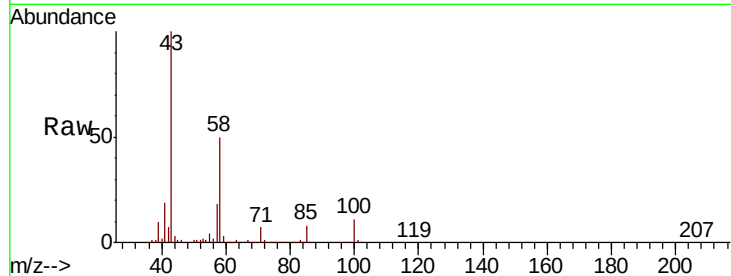




#49
2-Hexanone
Concen: 40.599 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

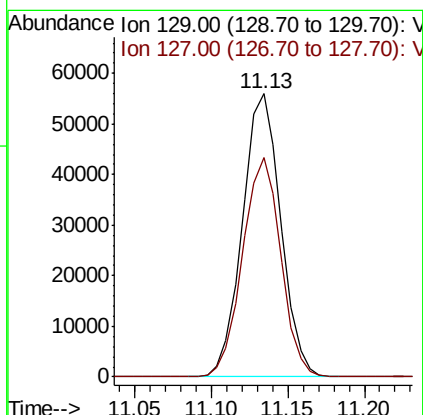
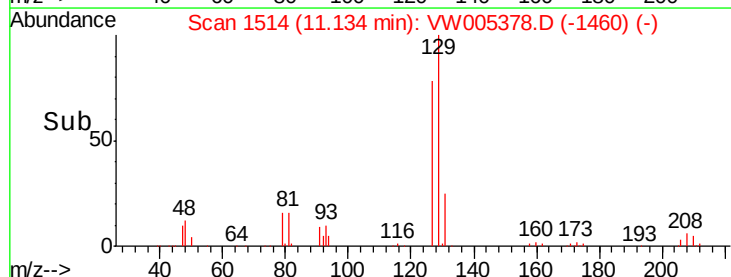
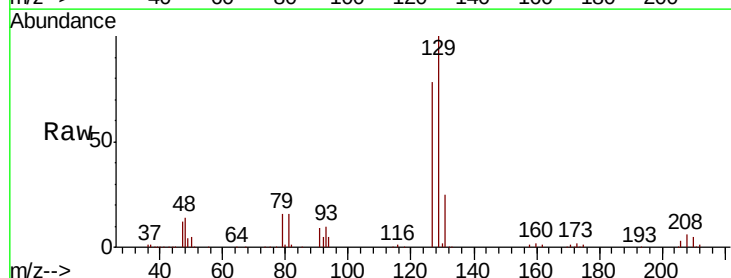
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

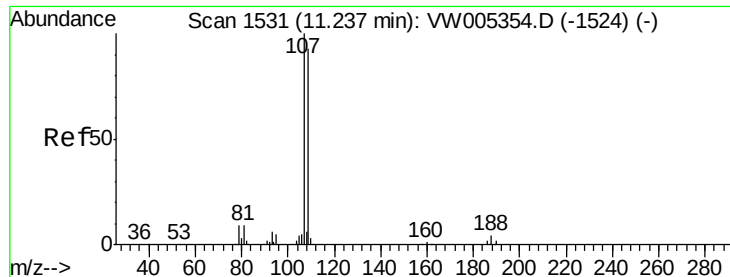
Tgt Ion: 43 Resp: 120068
Ion Ratio Lower Upper
43 100
58 52.1 41.6 62.4
57 18.9 15.0 22.6
100 10.6 8.6 12.8



#50
Dibromochloromethane
Concen: 24.736 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

Tgt Ion: 129 Resp: 97595
Ion Ratio Lower Upper
129 100
127 77.6 53.1 98.5

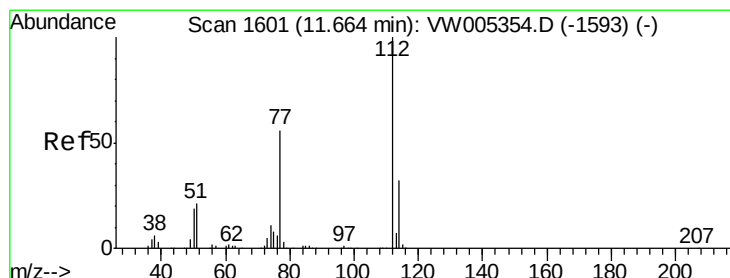
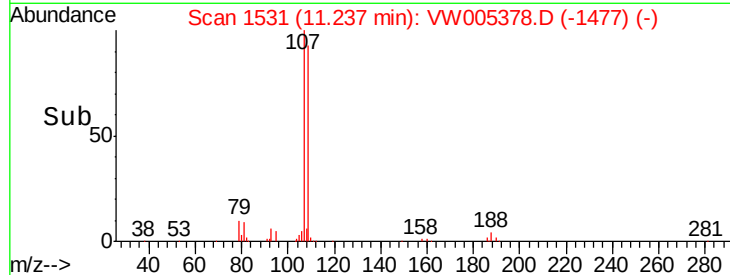
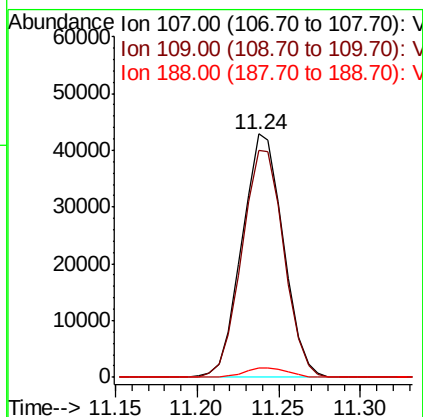
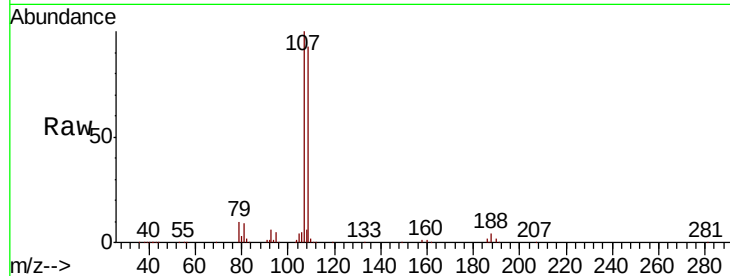




#51
 1,2-Dibromoethane
 Concen: 23.333 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

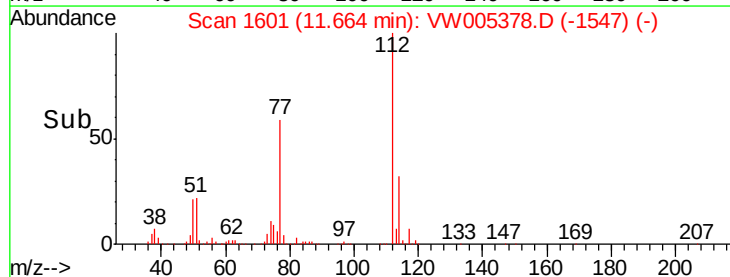
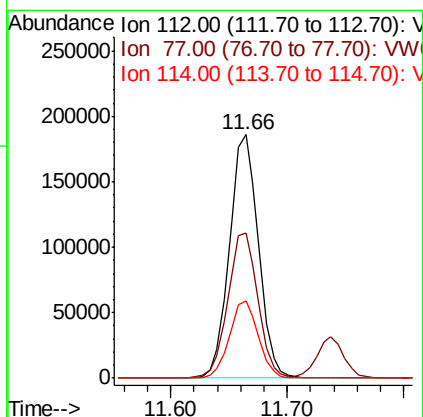
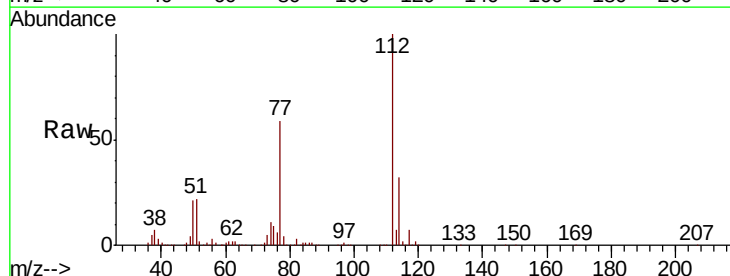
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

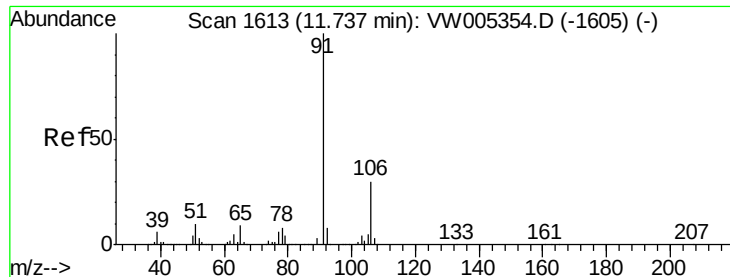
Tgt Ion:107 Resp: 75639
 Ion Ratio Lower Upper
 107 100
 109 93.2 64.9 120.5
 188 3.7 3.1 4.7



#52
 Chlorobenzene
 Concen: 25.268 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion:112 Resp: 322000
 Ion Ratio Lower Upper
 112 100
 77 59.4 45.1 67.7
 114 31.9 22.5 41.7





#53

Ethylbenzene

Concen: 25.295 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

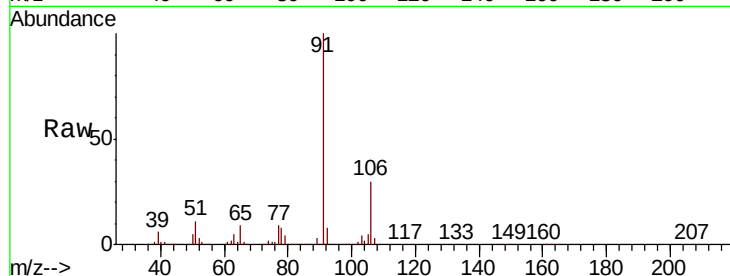
VSTD02588

Tgt Ion: 91 Resp: 574519

Ion Ratio Lower Upper

91 100

106 30.4 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.74

300000

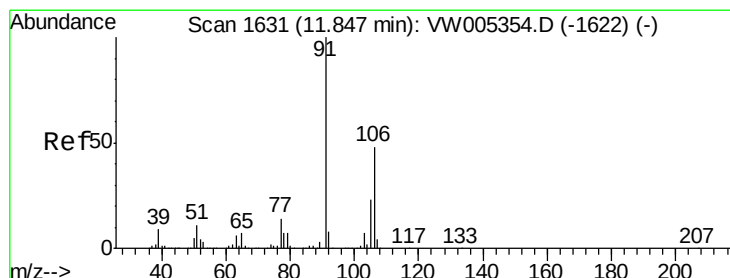
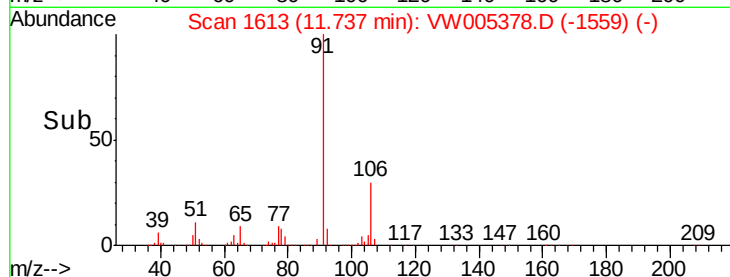
200000

100000

0

Time-->

11.70 11.80



#54

m,p-Xylene

Concen: 25.353 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005378.D

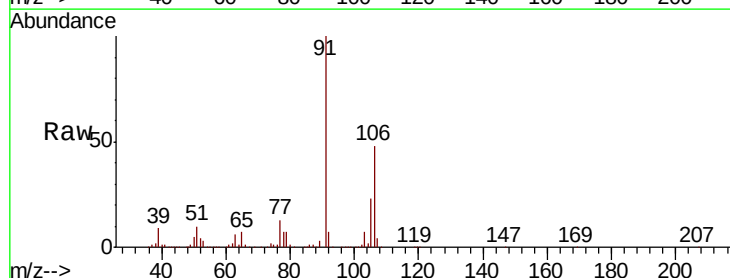
Acq: 14 Sep 2018 03:57

Tgt Ion: 106 Resp: 215611

Ion Ratio Lower Upper

106 100

91 209.6 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.85

300000

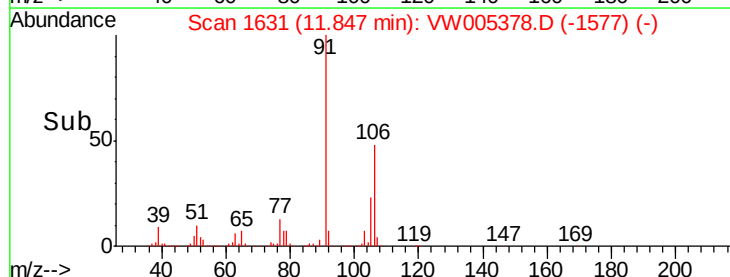
200000

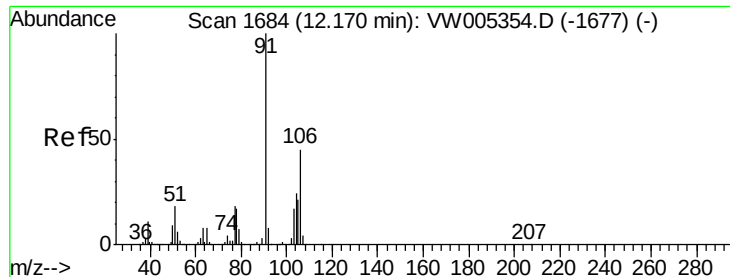
100000

0

Time-->

11.80 11.90

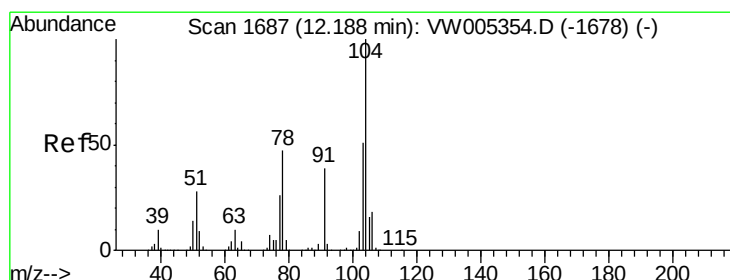
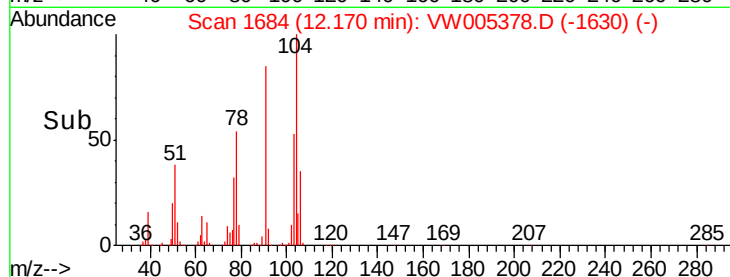
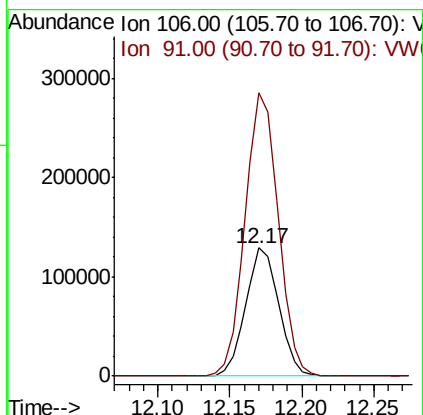
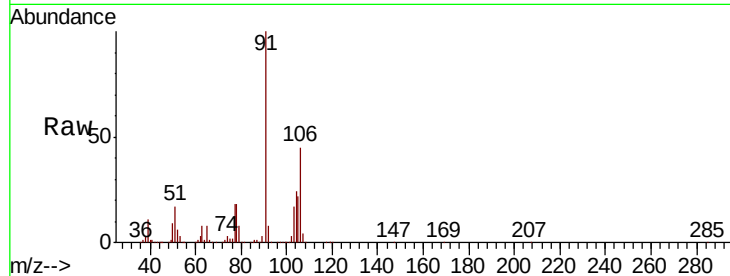




#55
o-xylene
Concen: 25.663 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

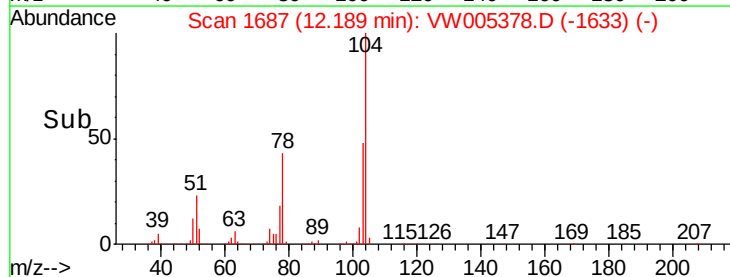
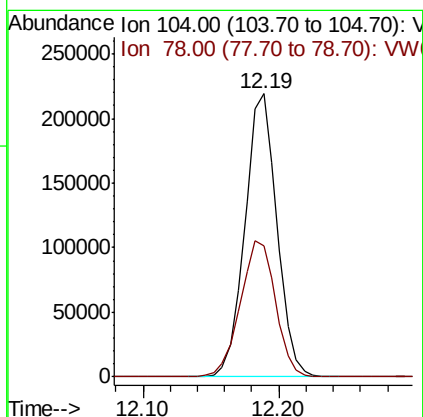
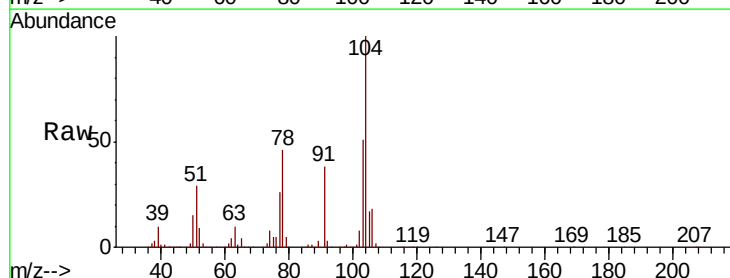
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

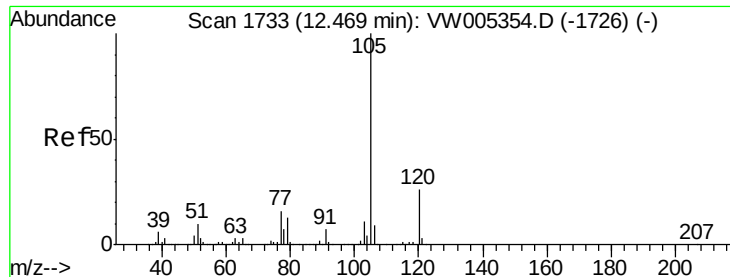
Tgt Ion:106 Resp: 204944
Ion Ratio Lower Upper
106 100
91 221.1 155.1 288.1



#56
Styrene
Concen: 26.232 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005378.D
Acq: 14 Sep 2018 03:57

Tgt Ion:104 Resp: 361568
Ion Ratio Lower Upper
104 100
78 46.2 32.8 60.8





#57

Isopropylbenzene

Concen: 25.389 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

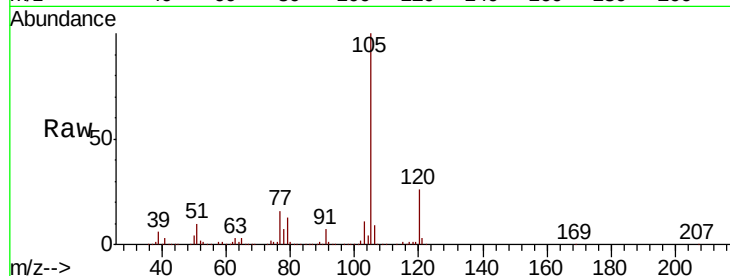
Tgt Ion: 105 Resp: 563193

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

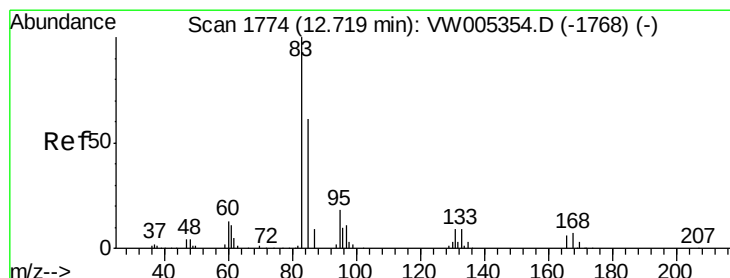
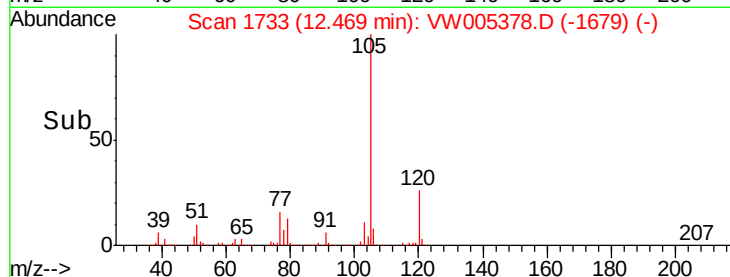
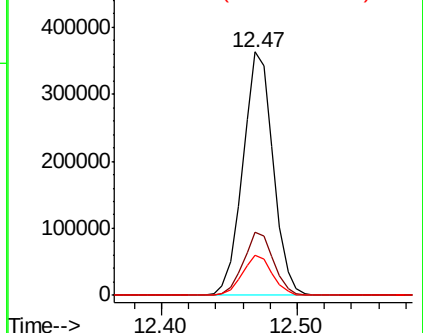
77 16.3 12.9 19.3



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: 22.660 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

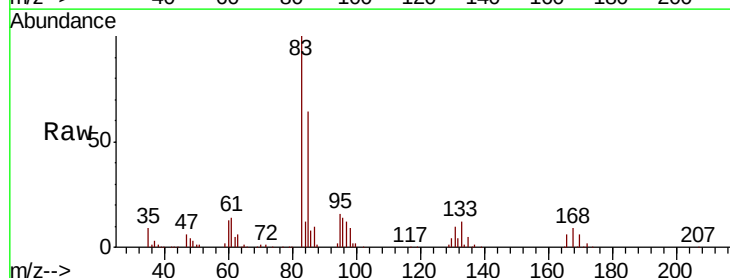
Tgt Ion: 83 Resp: 102904

Ion Ratio Lower Upper

83 100

85 63.7 43.2 80.2

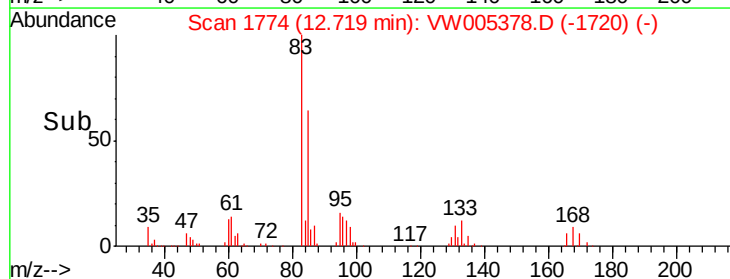
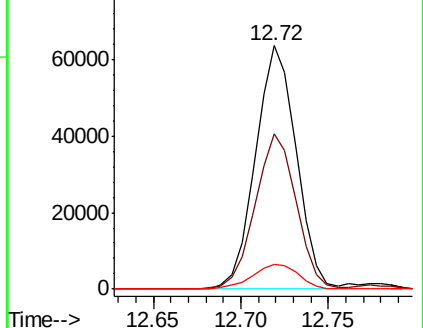
131 10.2 7.9 11.9

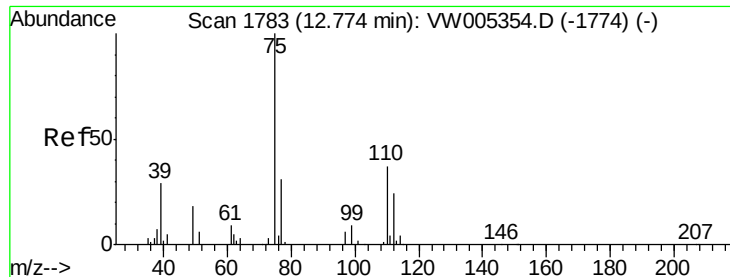


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.979 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

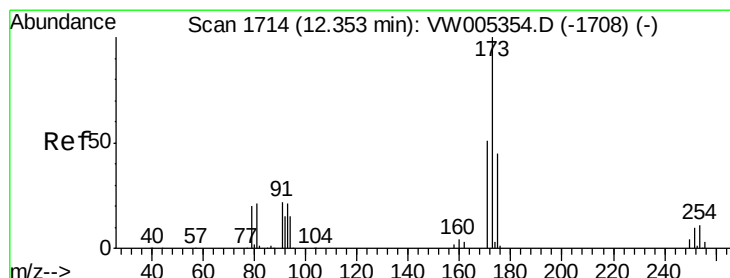
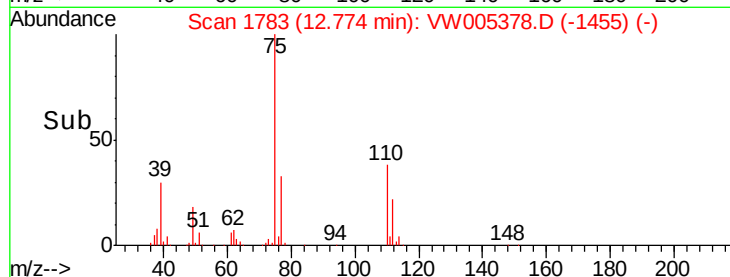
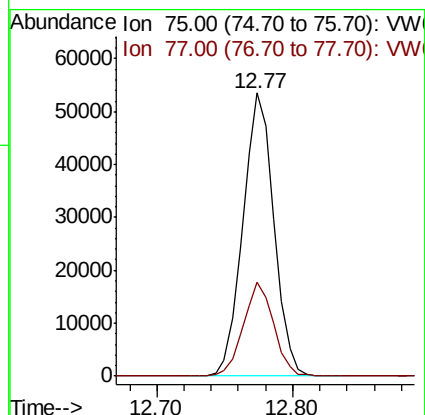
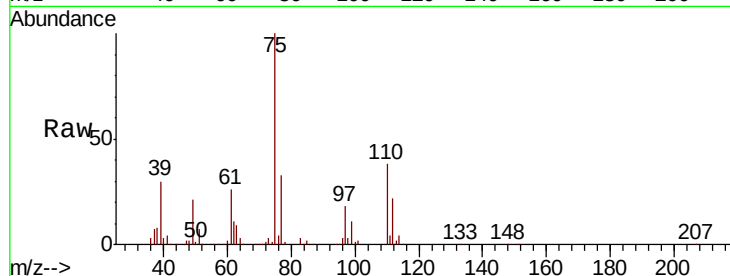
VSTD02588

Tgt Ion: 75 Resp: 85308

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#62

Bromoform

Concen: 23.813 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

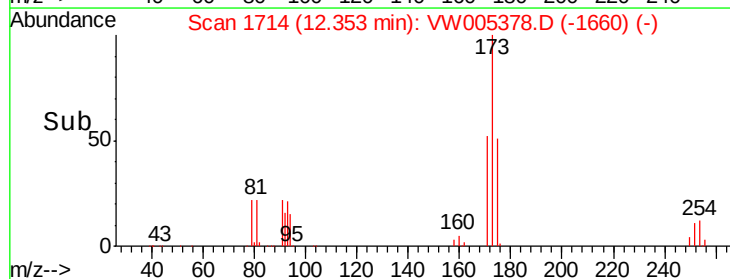
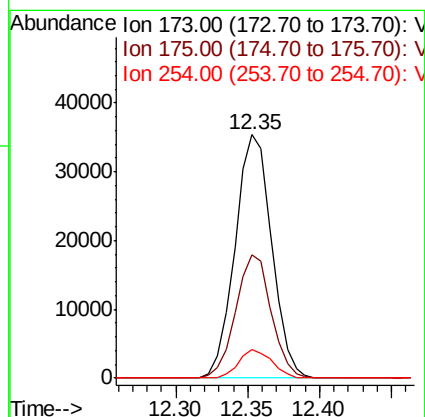
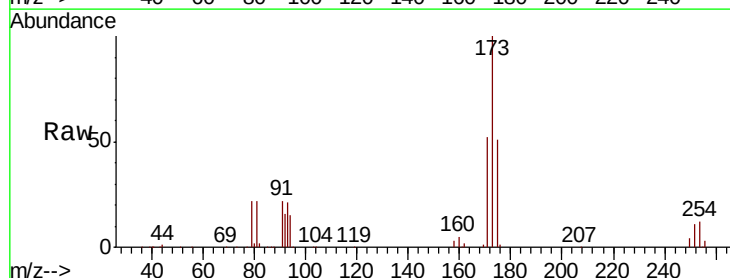
Tgt Ion: 173 Resp: 62527

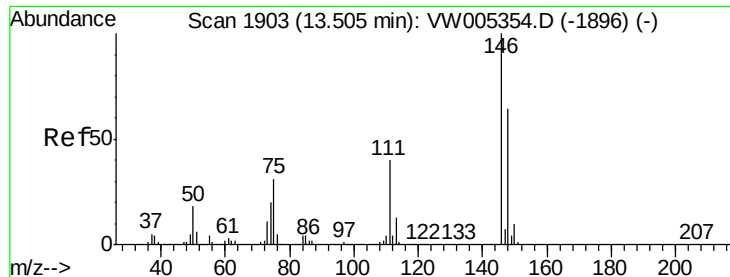
Ion Ratio Lower Upper

173 100

175 49.1 37.8 56.8

254 10.6 8.6 13.0





#63

1,3-Dichlorobenzene

Concen: 25.113 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

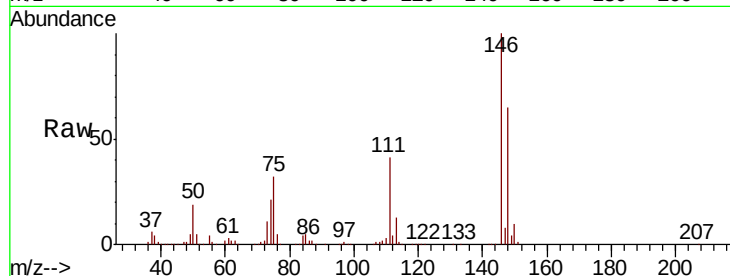
Tgt Ion:146 Resp: 250239

Ion Ratio Lower Upper

146 100

111 40.9 28.1 52.3

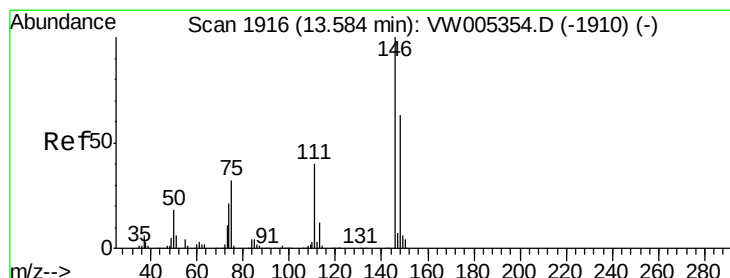
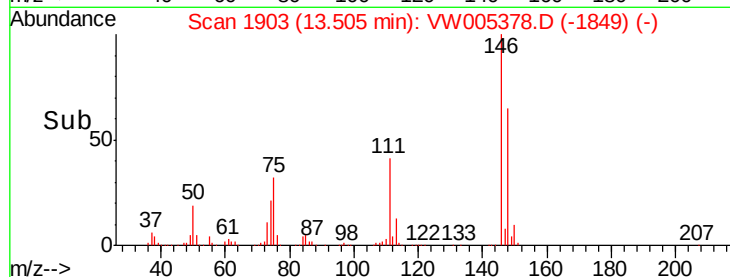
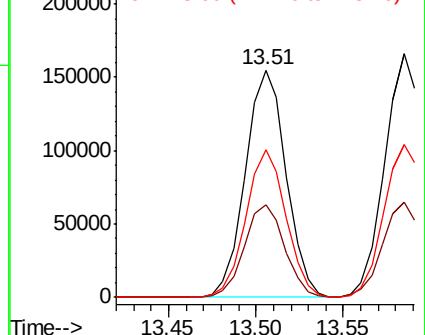
148 64.8 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.312 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

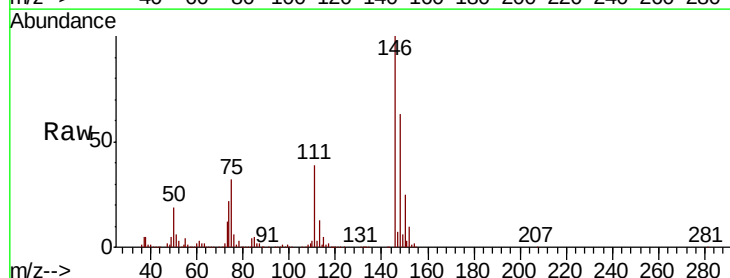
Tgt Ion:146 Resp: 260311

Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.9

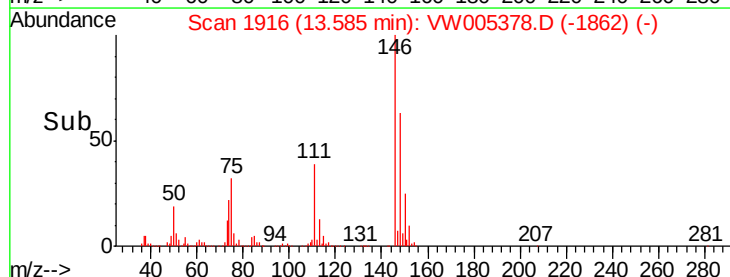
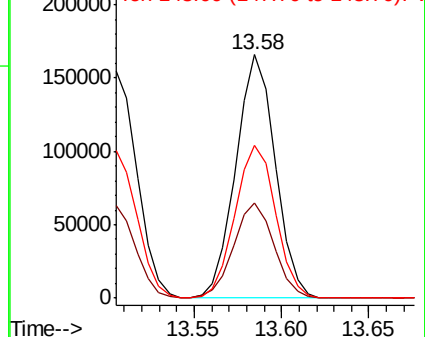
148 63.0 44.3 82.3

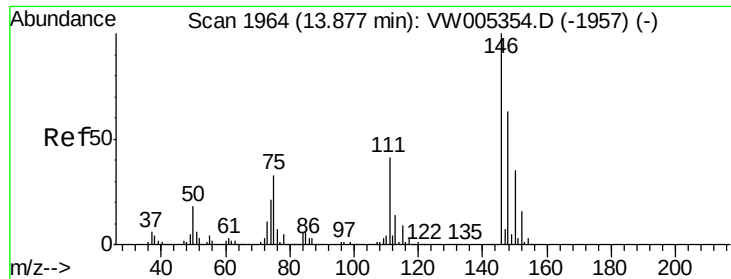


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

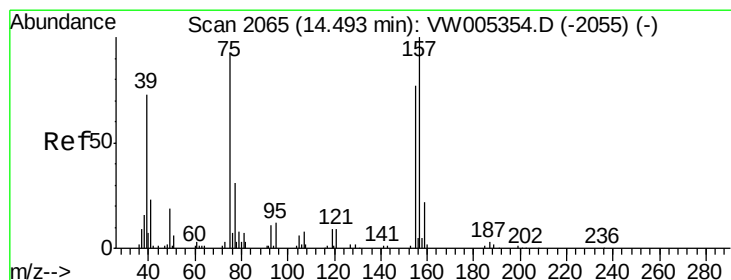
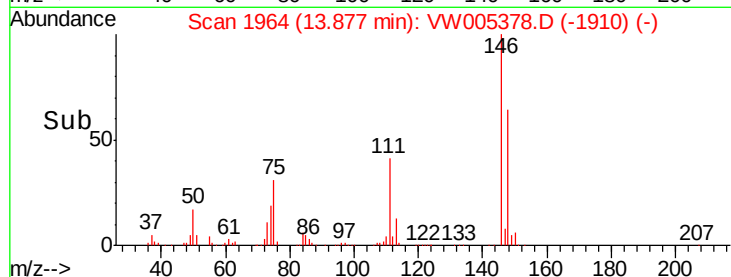
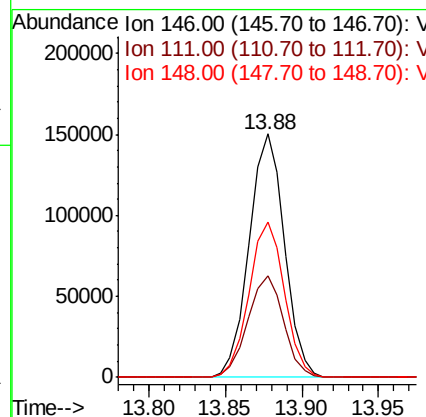
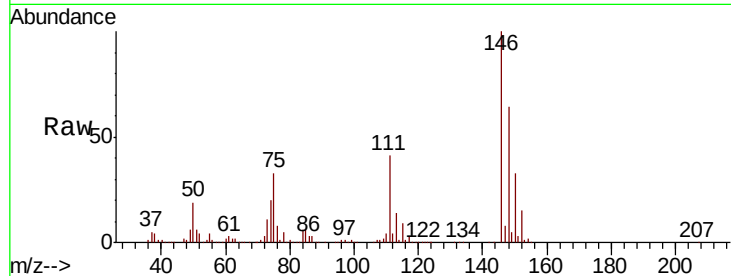




#65
 1,2-Dichlorobenzene
 Concen: 25.291 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

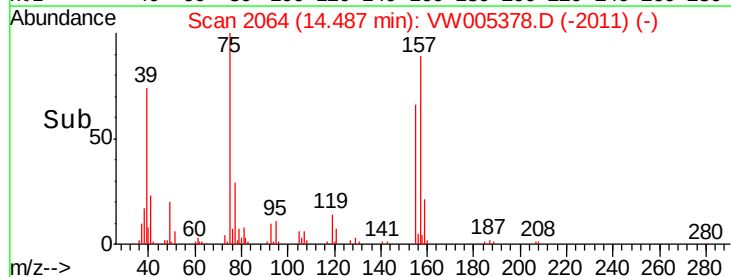
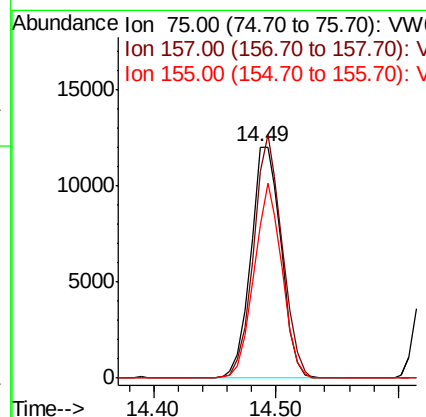
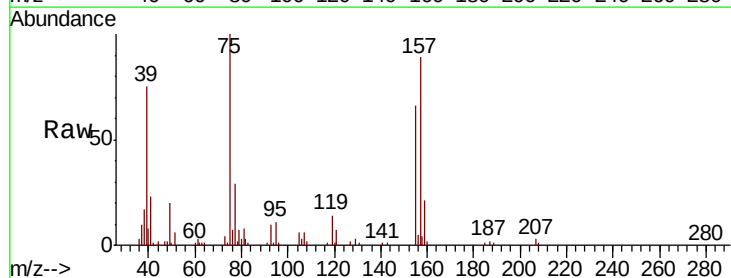
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

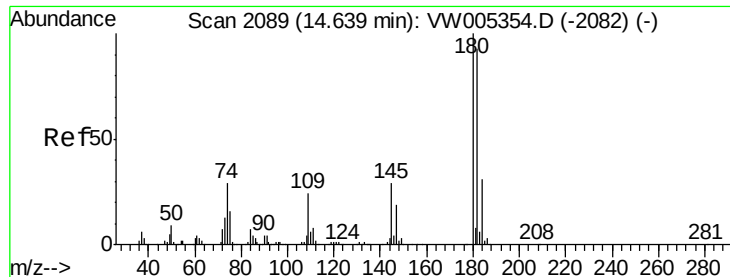
Tgt Ion: 146 Resp: 241264
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.9 49.3
 148 63.9 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.967 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion: 75 Resp: 20668
 Ion Ratio Lower Upper
 75 100
 157 89.2 86.3 129.5
 155 66.3 66.6 100.0#

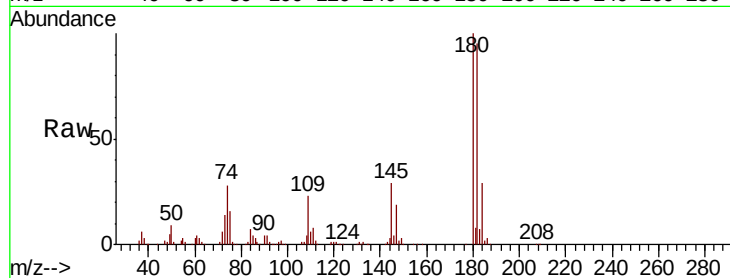




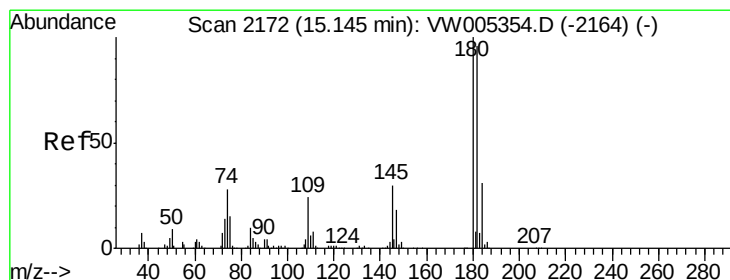
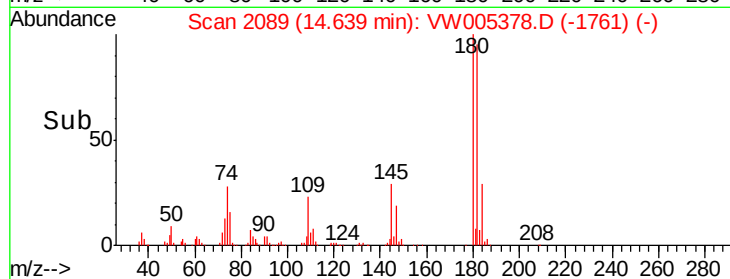
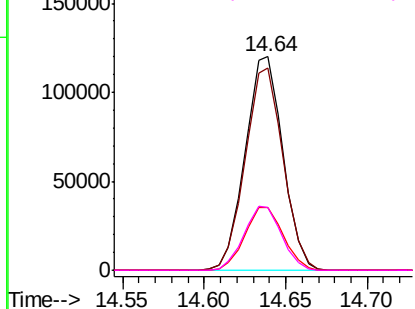
#67
 1,3,5-Trichlorobenzene
 Concen: 24.475 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:	180	Resp:	193105
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.7	113.5
184	30.3	24.0	36.0
145	30.0	23.8	35.6

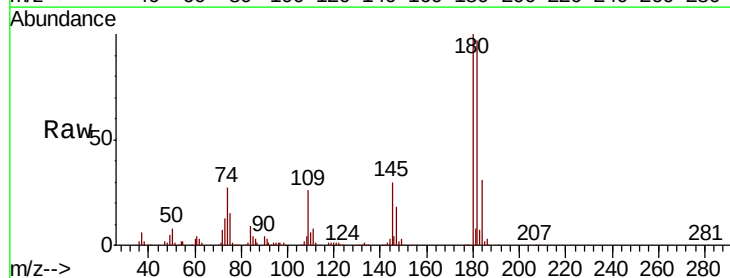


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

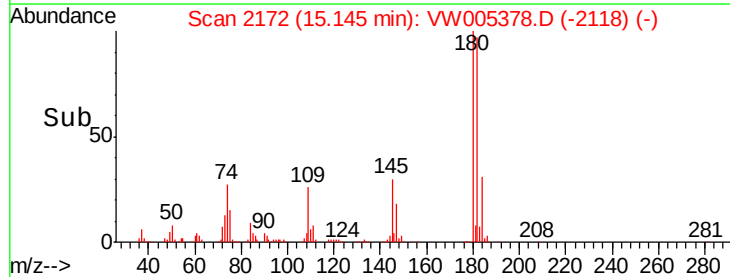
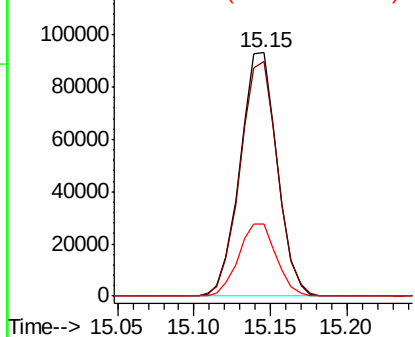


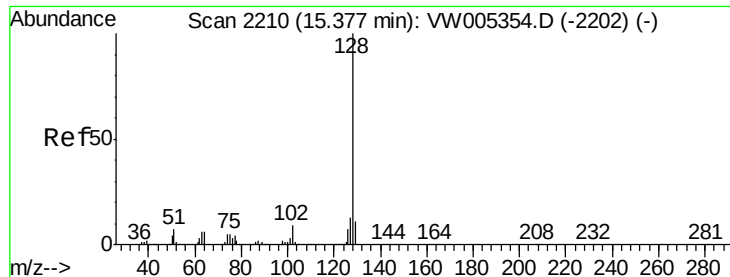
#68
 1,2,4-trichlorobenzene
 Concen: 24.068 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005378.D
 Acq: 14 Sep 2018 03:57

Tgt Ion:	180	Resp:	156956
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.6	115.0
145	30.2	24.2	36.4



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: 22.647 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

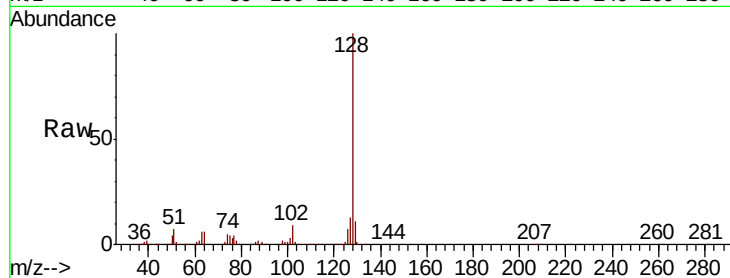
Tgt Ion:128 Resp: 323575

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.5 10.9 16.3

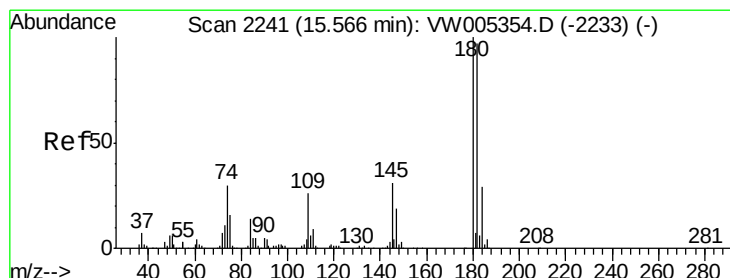
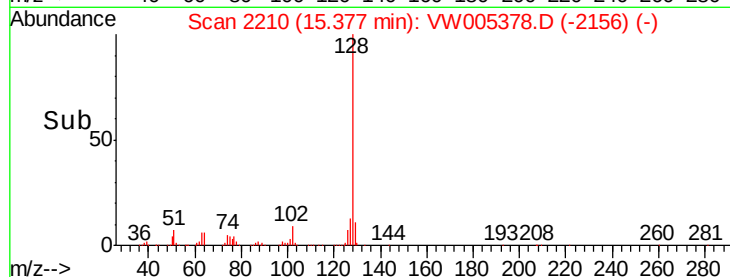
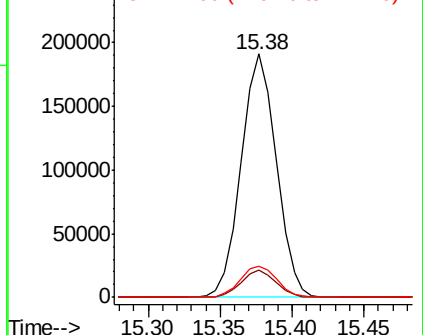


Abundance

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: 24.940 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005378.D

Acq: 14 Sep 2018 03:57

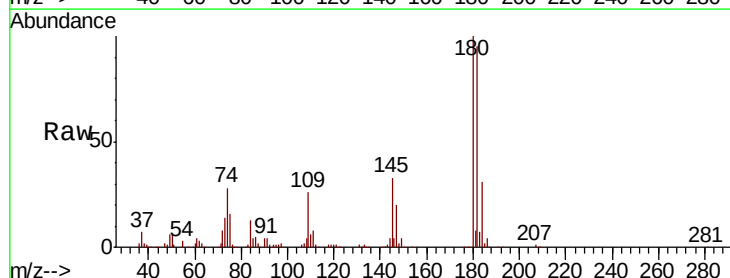
Tgt Ion:180 Resp: 152859

Ion Ratio Lower Upper

180 100

182 94.8 76.9 115.3

145 31.9 26.0 39.0



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

