

Data File : VW005380.D
Acq On : 14 Sep 2018 10:36
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Quant Time: Sep 14 23:14:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 06:56:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	336848	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	328418	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	174235	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90027	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.64%
7) Chloroethane-d5	2.89	69	69576	25.31	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.24%
10) 1,1-Dichloroethene-d2	4.03	63	175788	25.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.28%
20) 2-Butanone-d5	7.10	46	57873	39.52	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.04%
24) Chloroform-d	7.66	84	176447	28.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.36%
26) 1,2-Dichloroethane-d4	8.31	65	109353	27.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.88%
29) Benzene-d6	8.28	84	353978	26.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.40%
33) 1,2-Dichloropropane-d6	9.28	67	101611	27.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.00%
37) Toluene-d8	10.33	98	368861	27.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.48%
38) trans-1,3-Dichloropropene-	10.59	79	51517	27.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.44%
39) 2-Hexanone-d5	10.93	63	50210	42.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.70%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	97441	24.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	142946	27.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	175735	25.308 ug/L	99
3) Chloromethane	2.22	50	155649	24.343 ug/L	98
5) Vinyl chloride	2.36	62	150286	24.670 ug/L	98
6) Bromomethane	2.79	94	84000	26.615 ug/L	99
8) Chloroethane	2.93	64	81633	25.229 ug/L	96
9) Trichlorofluoromethane	3.27	101	193654	24.408 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	106669	24.610 ug/L	97
12) 1,1-Dichloroethene	4.05	96	94210	25.699 ug/L	98
13) Acetone	4.16	43	51028	37.119 ug/L	68
14) Carbon disulfide	4.39	76	334118	23.216 ug/L	100
15) Methyl Acetate	4.70	43	56928	18.770 ug/L	98
16) Methylene chloride	4.93	84	122481	19.147 ug/L	97
17) Methyl tert-butyl Ether	5.44	73	248529	24.422 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	103365	25.252 ug/L	96
19) 1,1-Dichloroethane	6.23	63	190342	25.446 ug/L	99
21) 2-Butanone	7.19	43	75702	35.932 ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	110989	25.405 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Sep 14 06:56:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	49238	24.185	ug/L	96
25) Chloroform	7.68	83	202456	25.738	ug/L	100
27) 1,2-Dichloroethane	8.41	62	149320	24.454	ug/L	97
30) Cyclohexane	7.96	56	186198	25.109	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	188241	25.210	ug/L	99
32) Carbon tetrachloride	8.07	117	170664	24.636	ug/L	99
34) Benzene	8.34	78	461560	25.226	ug/L	100
35) Trichloroethene	9.10	95	120015	24.713	ug/L	100
36) Methylcyclohexane	9.34	83	214286	25.423	ug/L	98
40) 1,2-Dichloropropane	9.37	63	108791	24.085	ug/L	100
41) Bromodichloromethane	9.65	83	145543	25.136	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	173724	26.039	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	171224	39.649	ug/L	99
44) Toluene	10.40	91	542398	25.872	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	161749	25.876	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	84991	23.971	ug/L	100
47) Tetrachloroethene	10.87	164	108933	24.775	ug/L	99
49) 2-Hexanone	10.98	43	135784	42.770	ug/L	99
50) Dibromochloromethane	11.13	129	103748	24.494	ug/L	95
51) 1,2-Dibromoethane	11.24	107	80161	23.035	ug/L	97
52) Chlorobenzene	11.66	112	345542	25.259	ug/L	96
53) Ethylbenzene	11.74	91	622097	25.514	ug/L	99
54) m,p-Xylene	11.85	106	238132	26.084	ug/L	99
55) o-xylene	12.17	106	221805	25.873	ug/L	99
56) Styrene	12.19	104	387034	26.156	ug/L	100
57) Isopropylbenzene	12.47	105	617322	25.924	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	106598	21.866	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	88405	21.217	ug/L	100
62) Bromoform	12.35	173	66683	22.841	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	279394	25.218	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	289043	25.278	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	262321	24.732	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22150	19.246	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	218473	24.904	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	178836	24.664	ug/L	100
69) Naphthalene	15.38	128	355006	22.347	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	167961	24.647	ug/L	99

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

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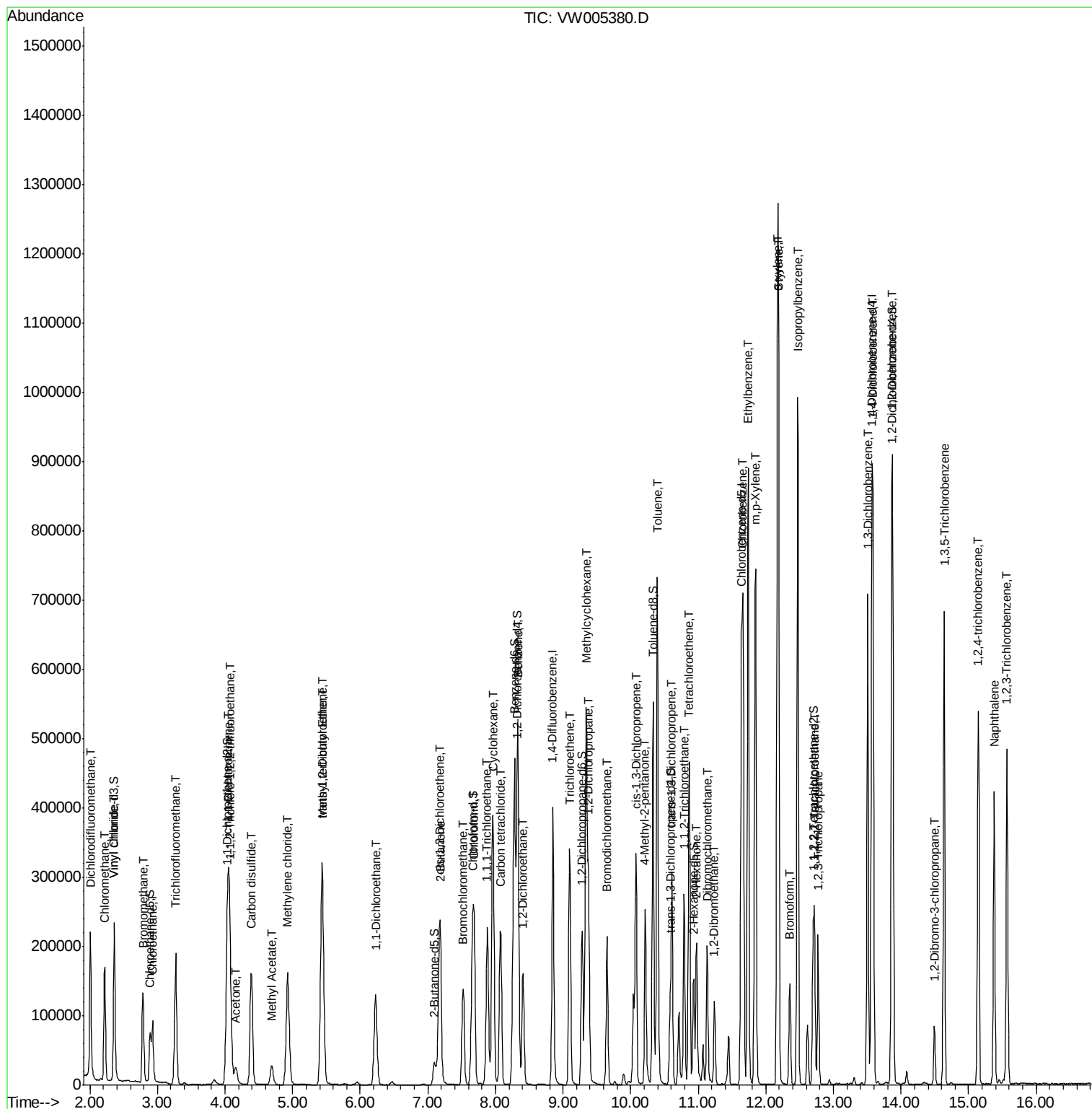
Quant Time: Sep 14 23:14:28 2018

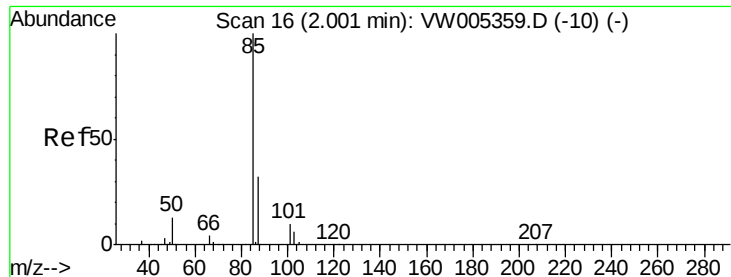
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M

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#2

Dichlorodifluoromethane

Concen: 25.308 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

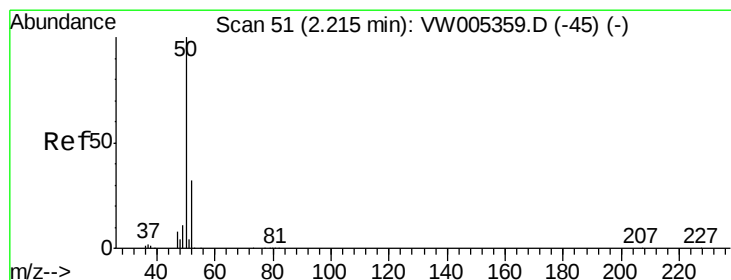
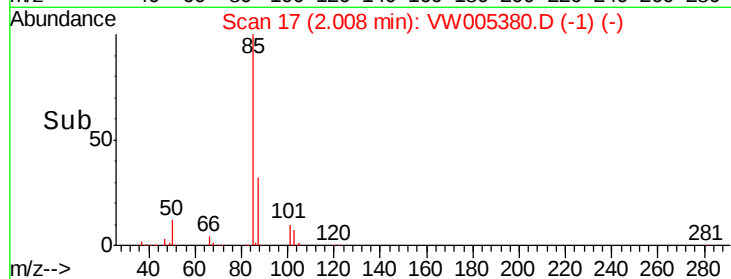
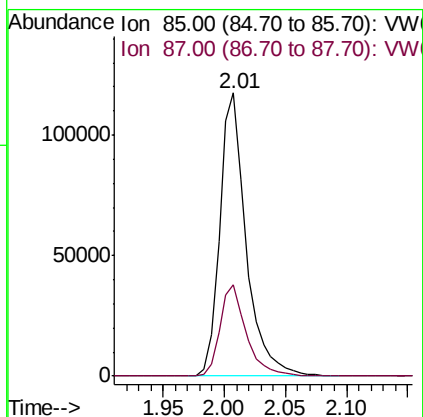
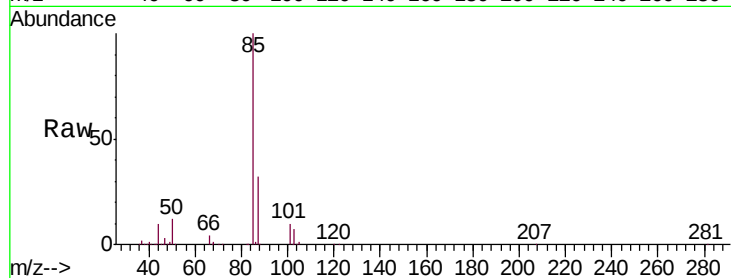
VSTD02589

Tgt Ion: 85 Resp: 175735

Ion Ratio Lower Upper

85 100

87 32.2 22.7 42.3



#3

Chloromethane

Concen: 24.343 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005380.D

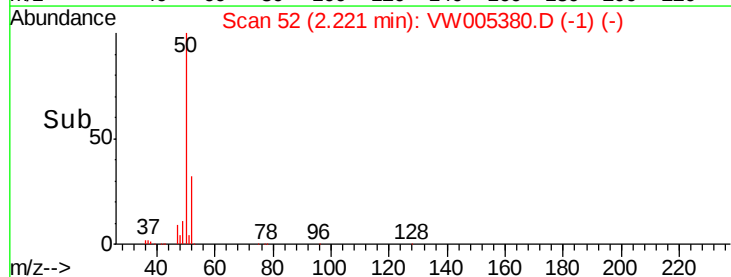
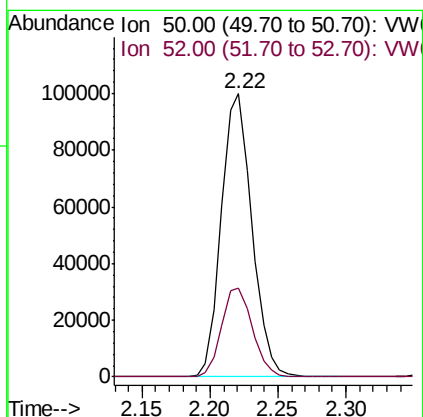
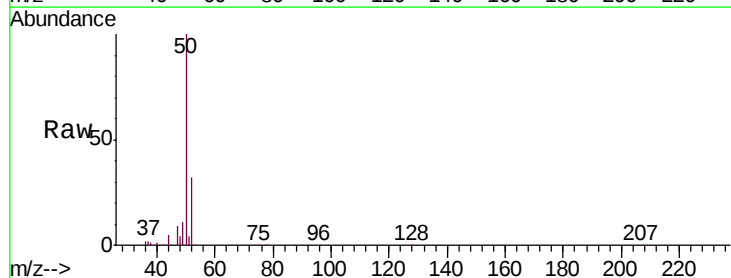
Acq: 14 Sep 2018 10:36

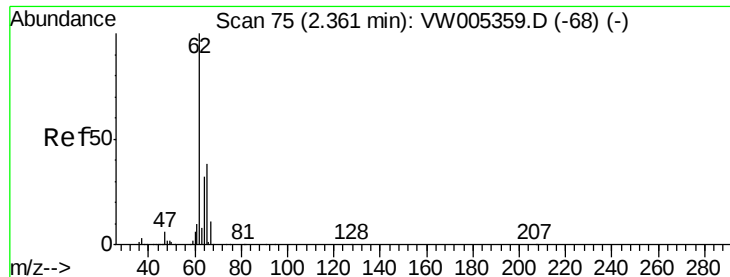
Tgt Ion: 50 Resp: 155649

Ion Ratio Lower Upper

50 100

52 31.5 22.9 42.5





#5

Vinyl chloride

Concen: 24.670 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

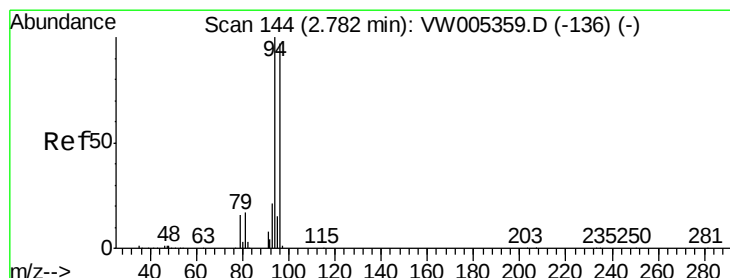
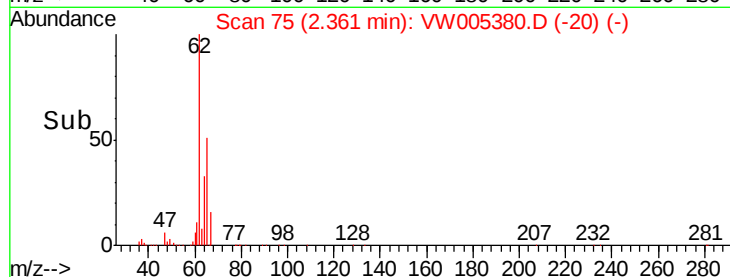
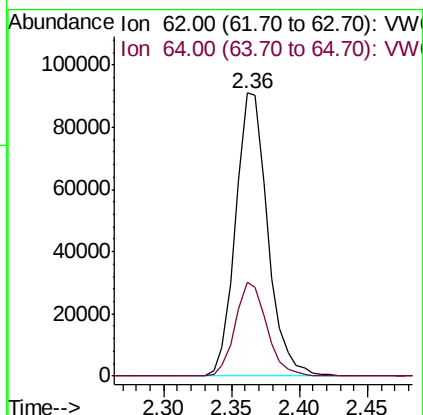
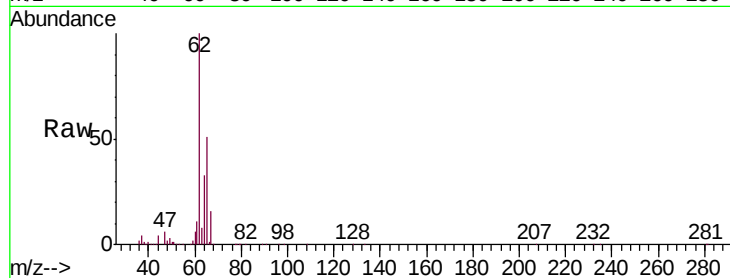
VSTD02589

Tgt Ion: 62 Resp: 150286

Ion Ratio Lower Upper

62 100

64 33.2 22.4 41.6



#6

Bromomethane

Concen: 26.615 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.02 min

Lab File: VW005380.D

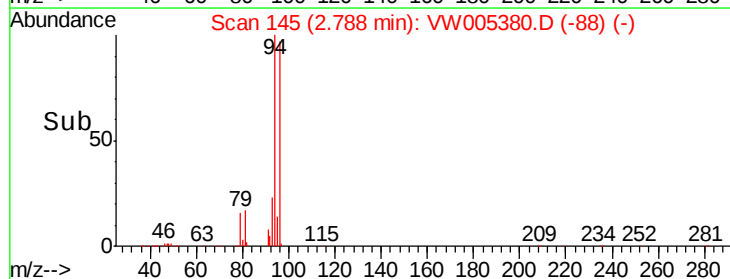
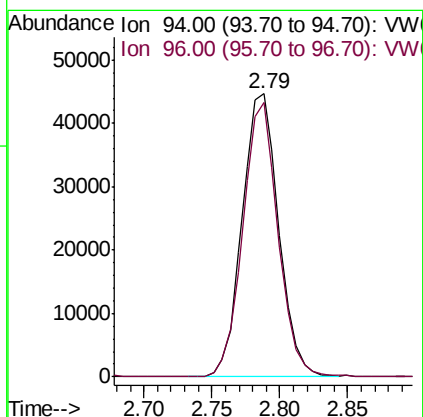
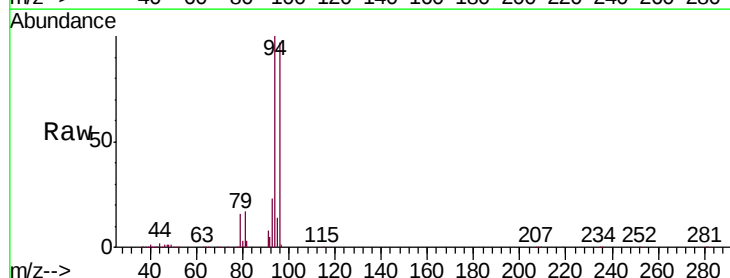
Acq: 14 Sep 2018 10:36

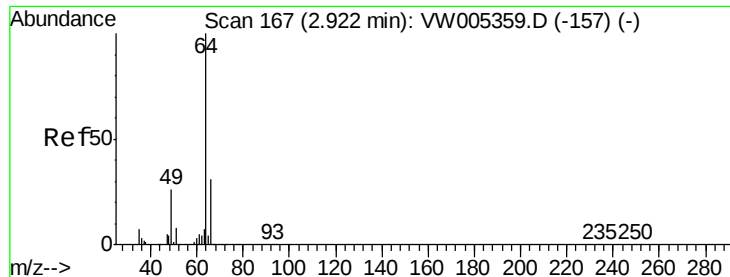
Tgt Ion: 94 Resp: 84000

Ion Ratio Lower Upper

94 100

96 93.5 9.3 176.3





#8

Chloroethane

Concen: 25.229 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

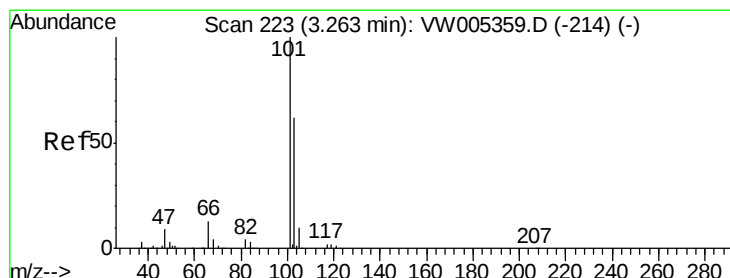
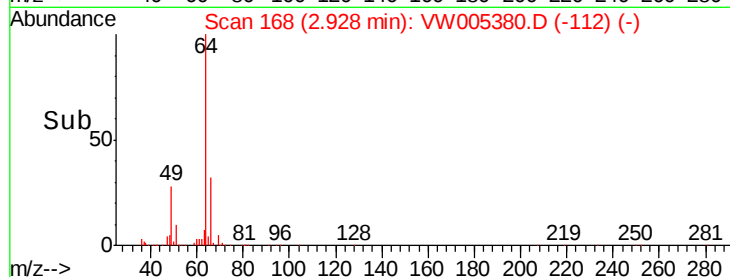
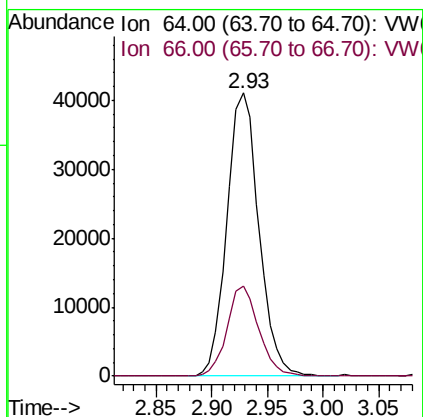
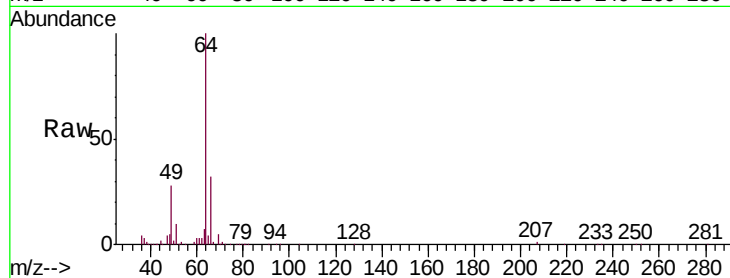
VSTD02589

Tgt Ion: 64 Resp: 81633

Ion Ratio Lower Upper

64 100

66 31.7 23.7 43.9



#9

Trichlorofluoromethane

Concen: 24.408 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW005380.D

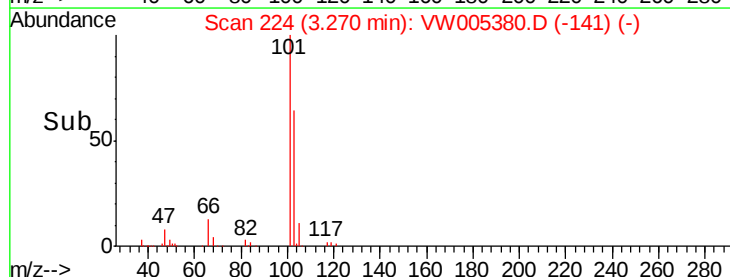
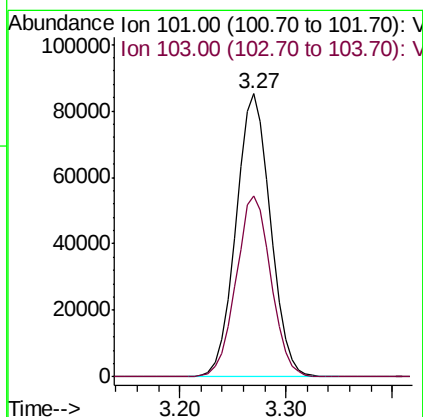
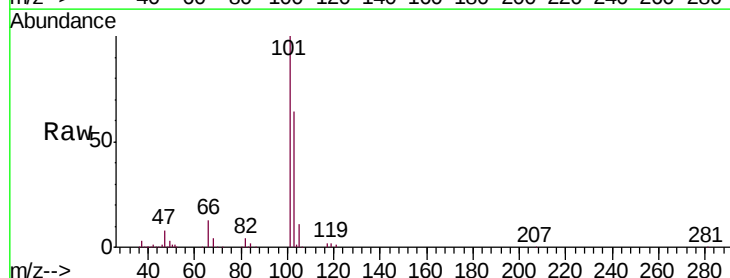
Acq: 14 Sep 2018 10:36

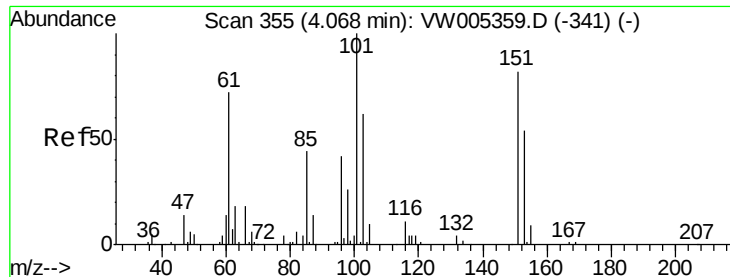
Tgt Ion: 101 Resp: 193654

Ion Ratio Lower Upper

101 100

103 64.6 44.9 83.5





#11

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

Concen: 24.610 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

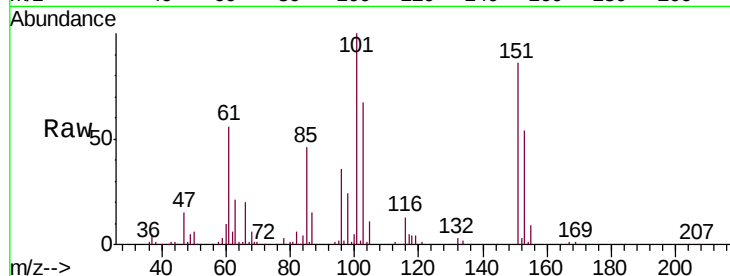
Tgt Ion:101 Resp: 106669

Ion Ratio Lower Upper

101 100

85 45.8 35.8 53.8

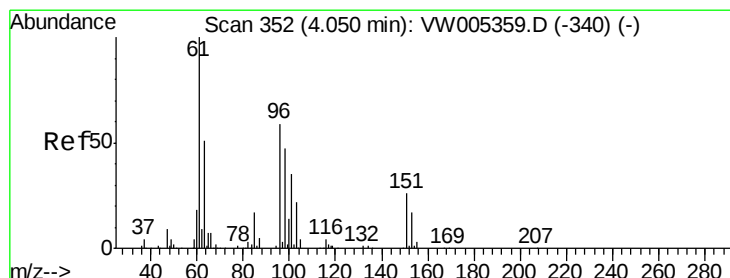
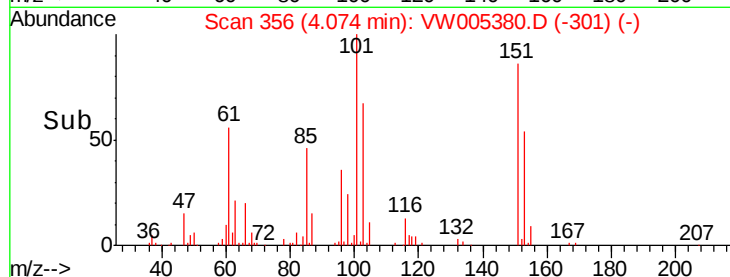
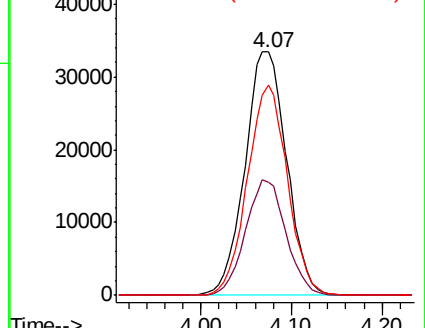
151 82.6 63.9 95.9



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: 25.699 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

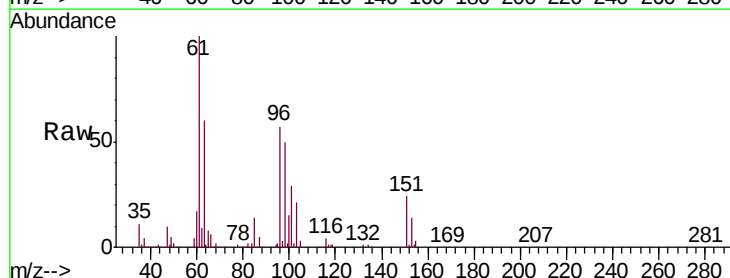
Tgt Ion: 96 Resp: 94210

Ion Ratio Lower Upper

96 100

61 176.0 123.3 229.1

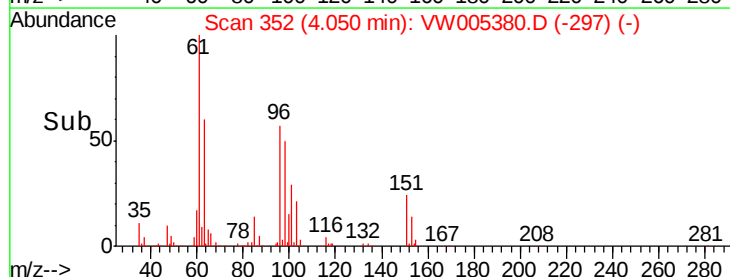
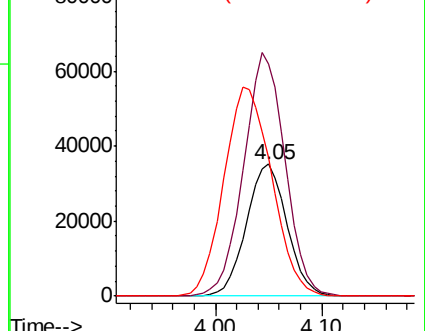
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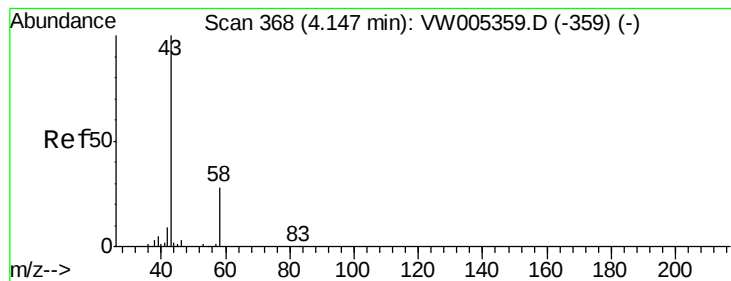


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.119 ug/L

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

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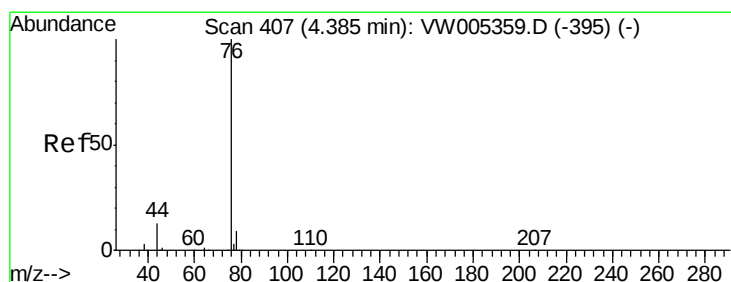
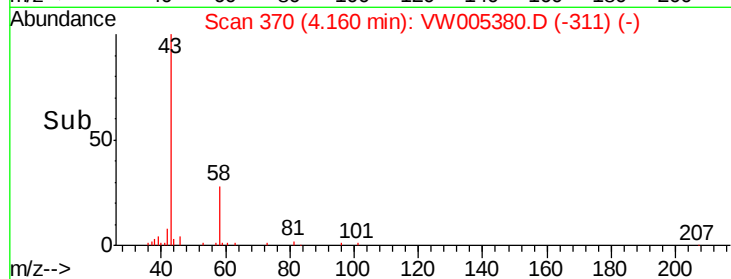
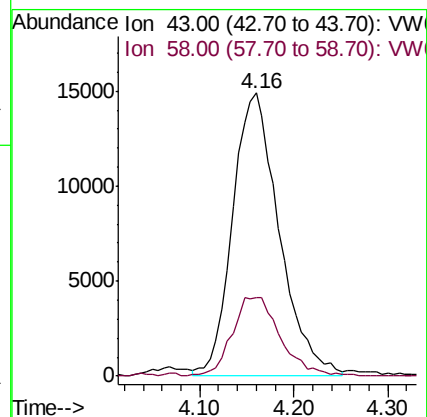
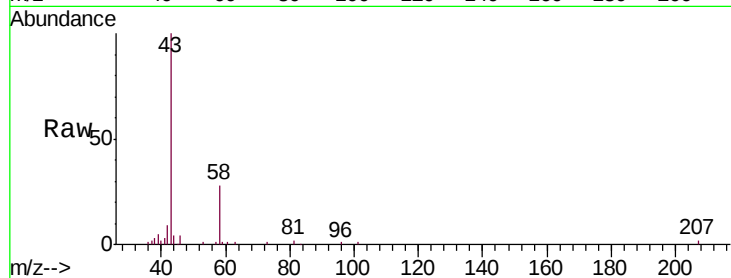
VSTD02589

Tgt Ion: 43 Resp: 51028

Ion Ratio Lower Upper

43 100

58 11.8 0.0 57.6



#14

Carbon disulfide

Concen: 23.216 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005380.D

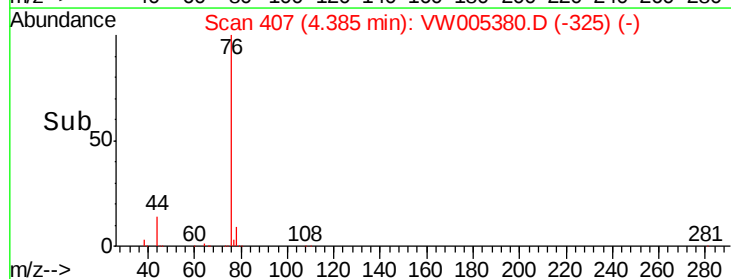
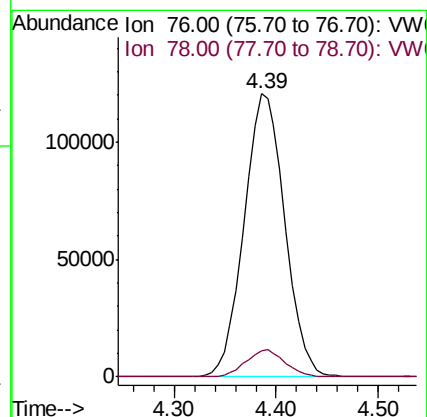
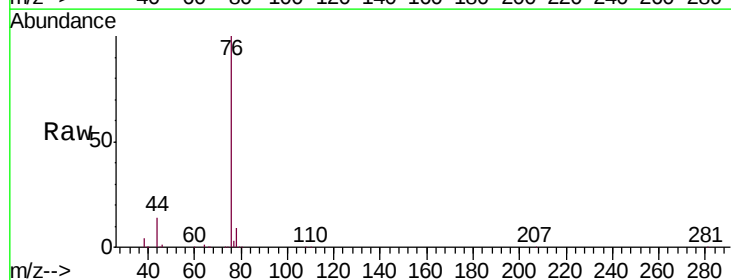
Acq: 14 Sep 2018 10:36

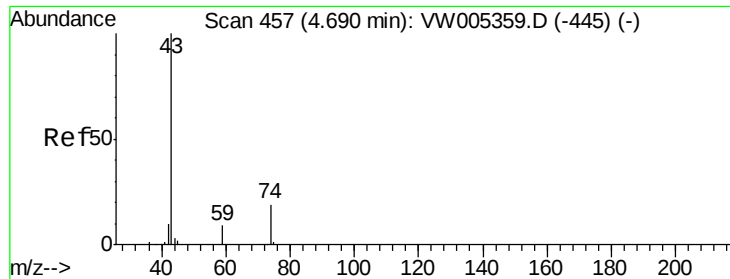
Tgt Ion: 76 Resp: 334118

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

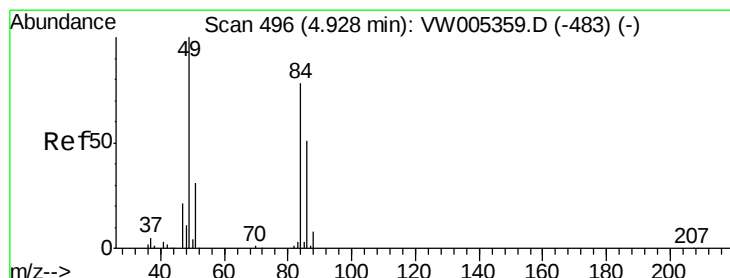
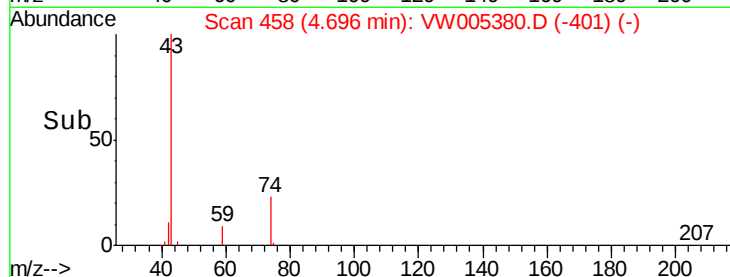
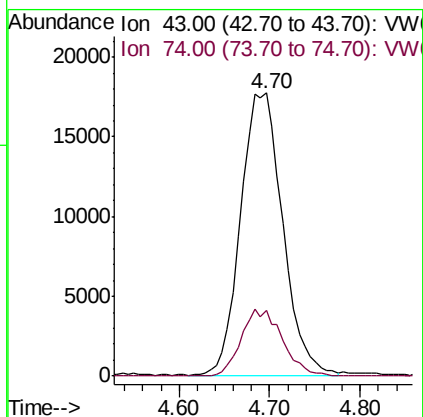
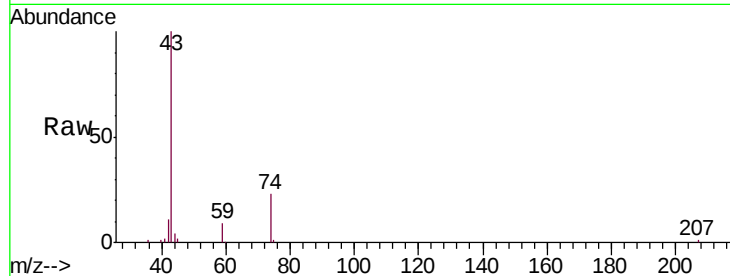




#15
Methyl Acetate
Concen: 18.770 ug/L
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

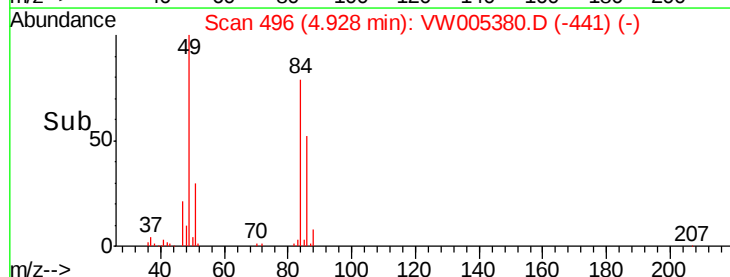
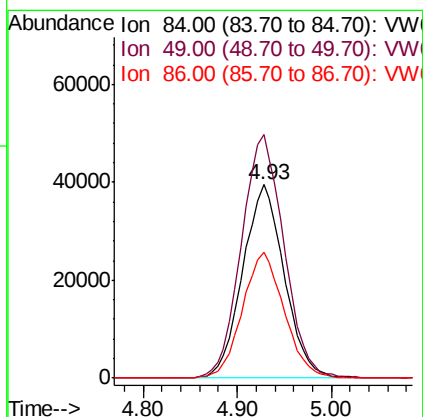
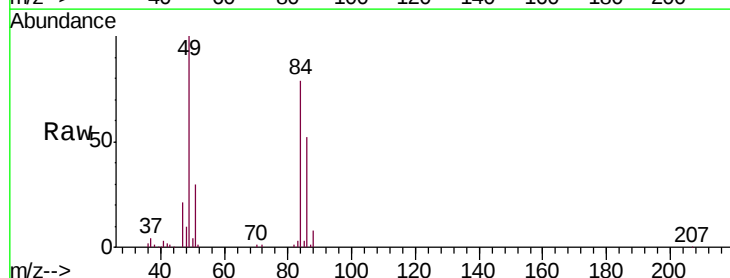
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

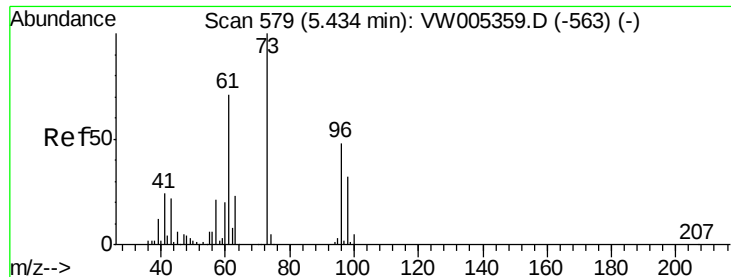
Tgt Ion: 43 Resp: 56928
Ion Ratio Lower Upper
43 100
74 23.0 17.5 26.3



#16
Methylene chloride
Concen: 19.147 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion: 84 Resp: 122481
Ion Ratio Lower Upper
84 100
49 125.9 90.9 168.7
86 65.0 43.6 81.0

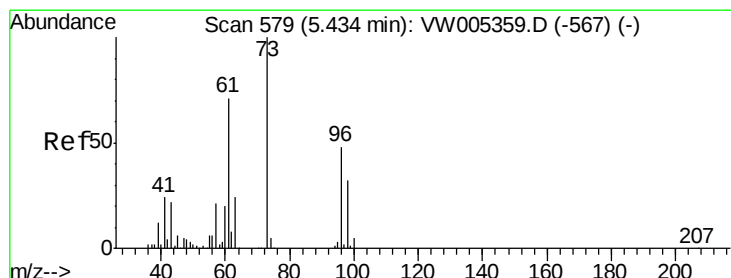
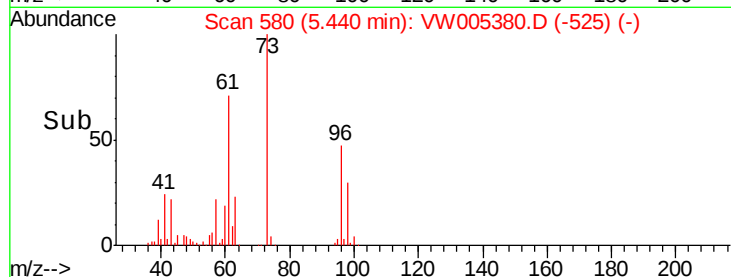
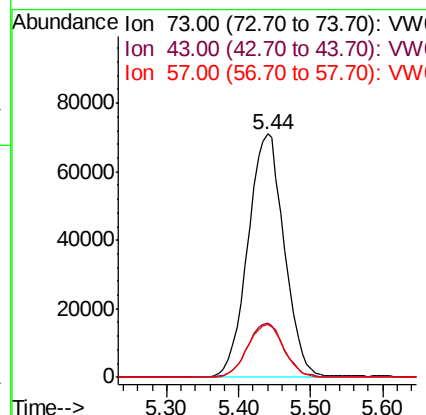
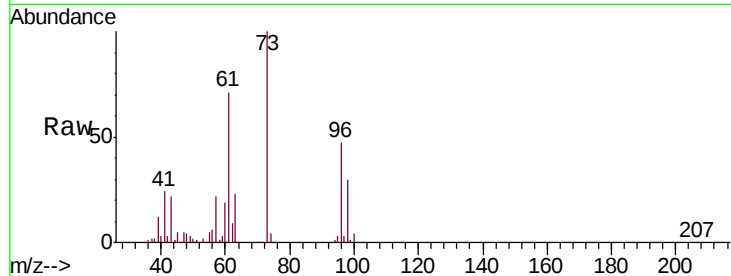




#17
Methyl tert-butyl Ether
Concen: 24.422 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

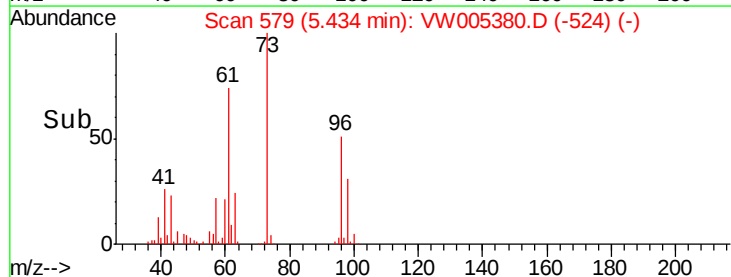
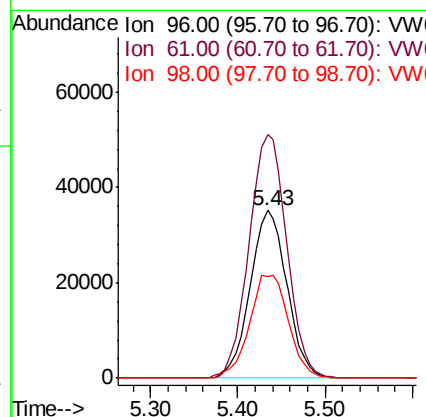
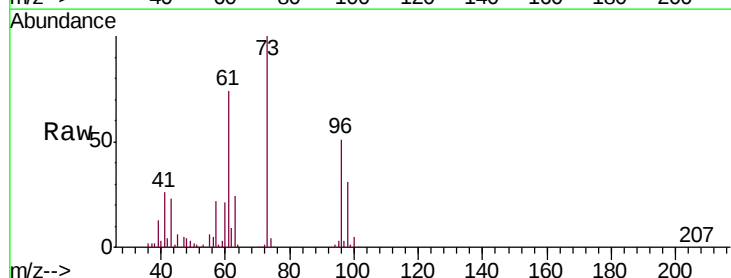
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

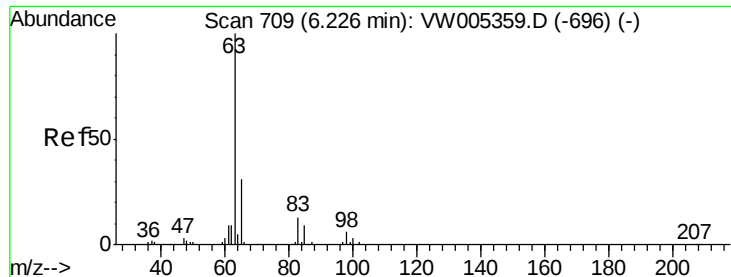
Tgt Ion: 73 Resp: 248529
Ion Ratio Lower Upper
73 100
43 22.4 17.7 26.5
57 22.1 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 25.252 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion: 96 Resp: 103365
Ion Ratio Lower Upper
96 100
61 144.9 103.0 191.2
98 60.3 47.2 87.6

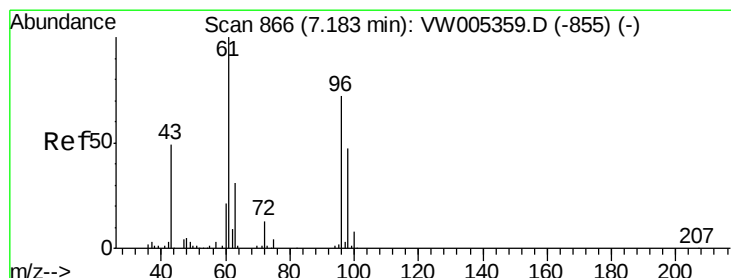
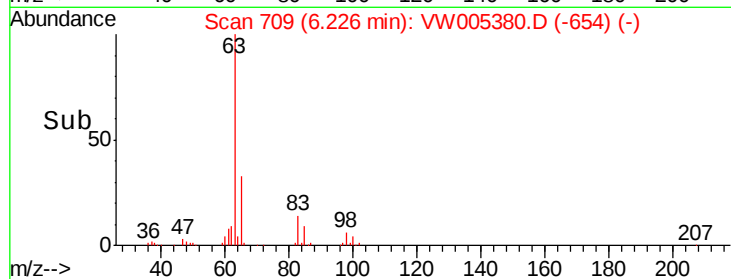
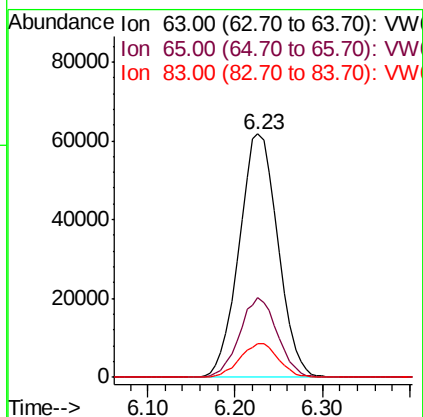
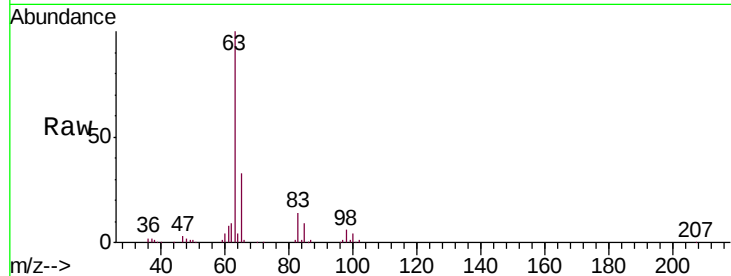




#19
 1,1-Dichloroethane
 Concen: 25.446 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

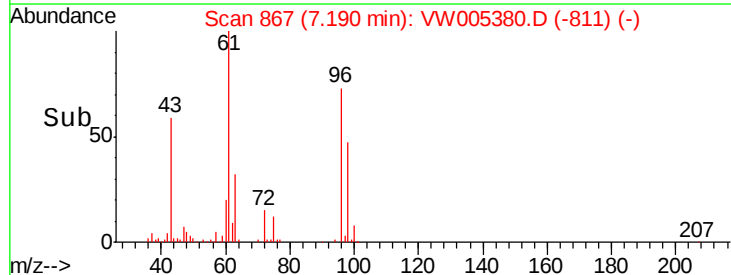
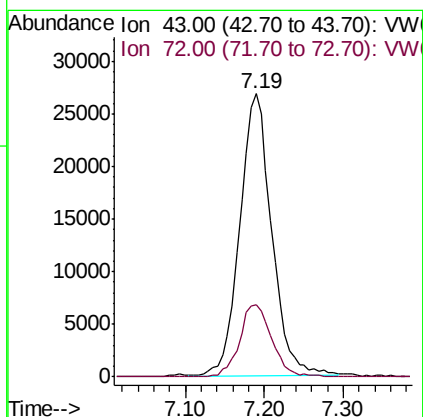
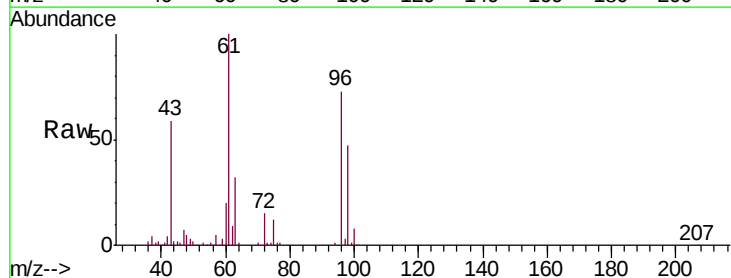
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

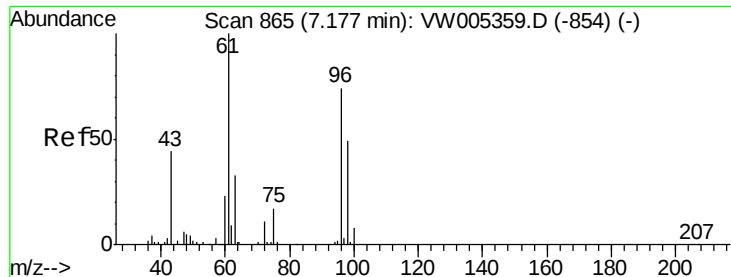
Tgt Ion: 63 Resp: 190342
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.9 42.5
 83 13.7 10.4 19.2



#21
 2-Butanone
 Concen: 35.932 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion: 43 Resp: 75702
 Ion Ratio Lower Upper
 43 100
 72 25.6 11.8 35.4



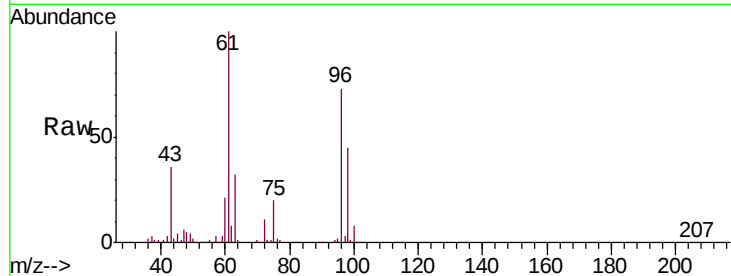


#22

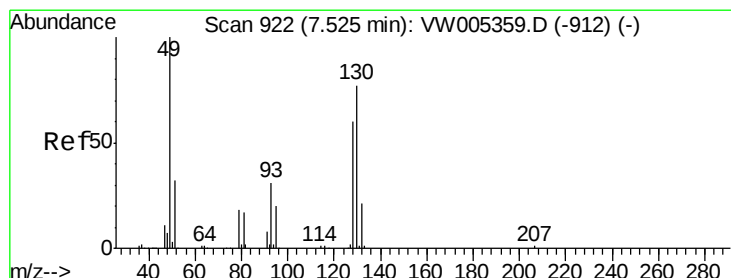
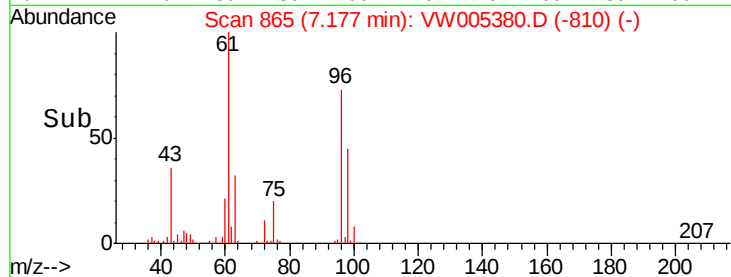
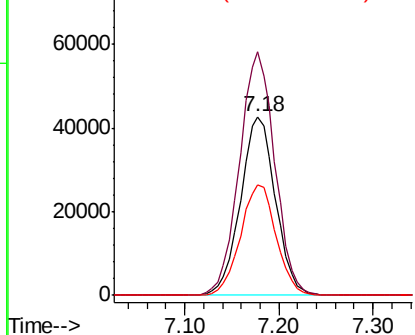
cis-1,2-Dichloroethene
Concen: 25.405 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion: 96 Resp: 110989
Ion Ratio Lower Upper
96 100
61 136.4 93.1 172.9
98 61.8 42.4 78.6



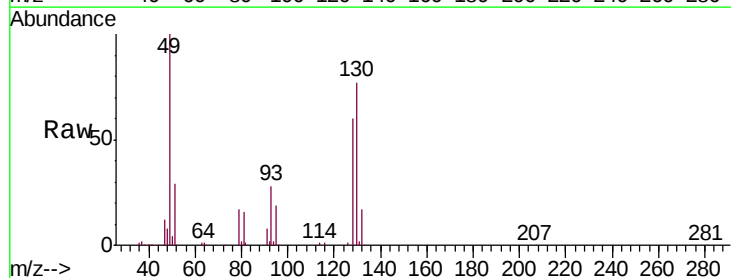
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



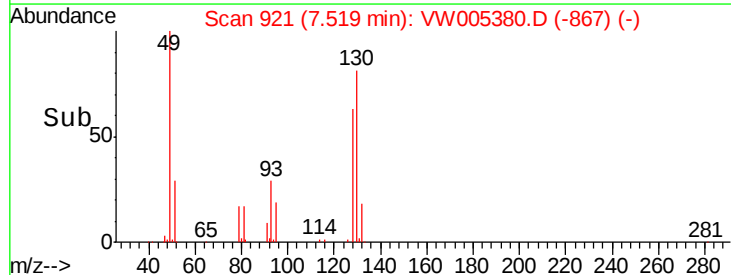
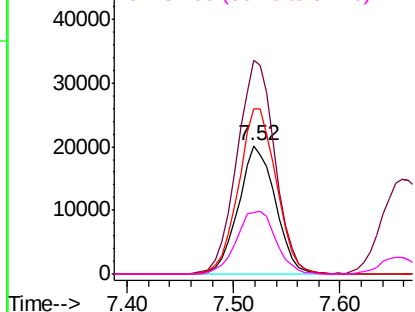
#23

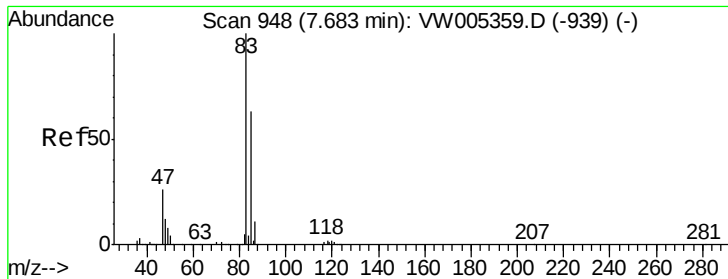
Bromochloromethane
Concen: 24.185 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion: 128 Resp: 49238
Ion Ratio Lower Upper
128 100
49 166.1 118.2 219.6
130 128.3 92.8 172.4
51 47.5 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

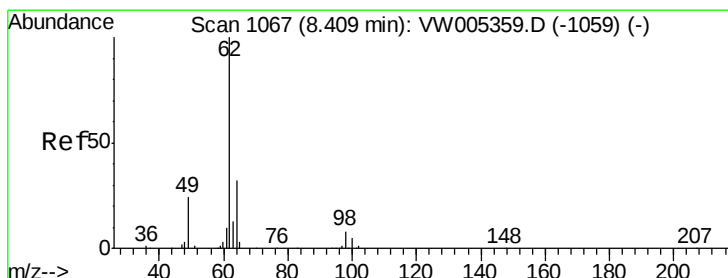
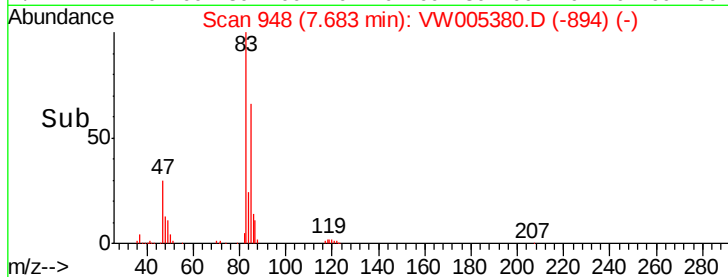
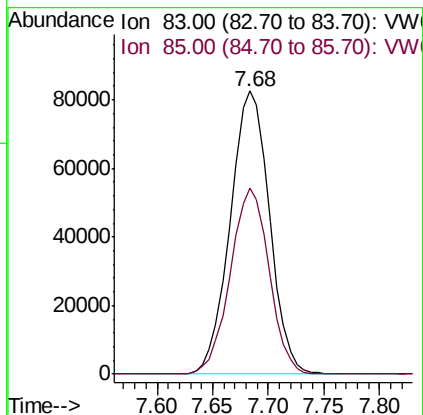
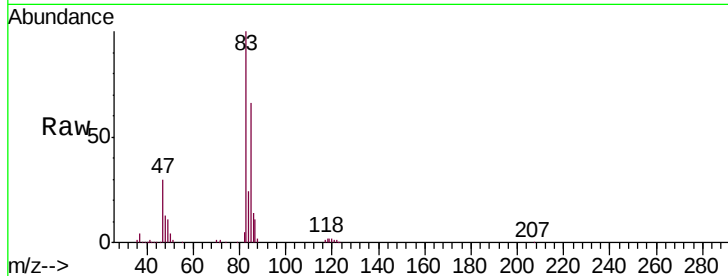




#25
Chloroform
Concen: 25.738 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

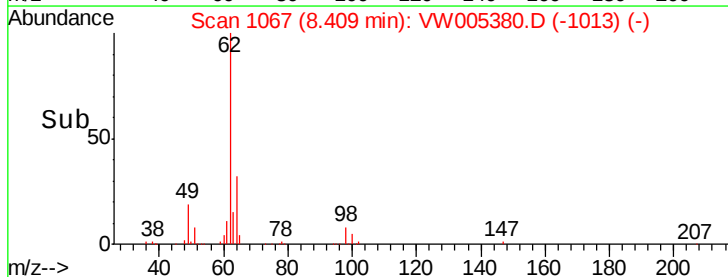
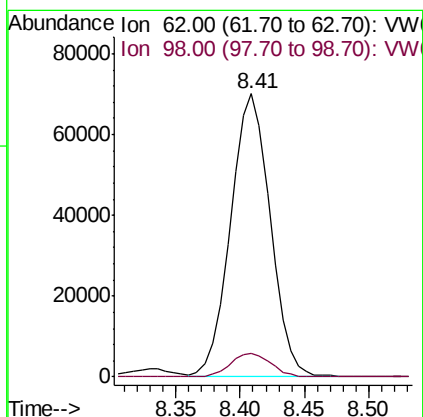
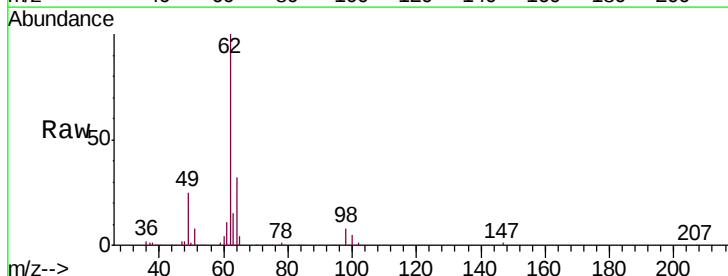
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

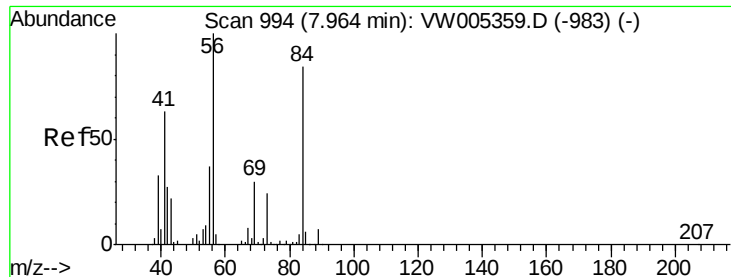
Tgt Ion: 83 Resp: 202456
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.454 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion: 62 Resp: 149320
Ion Ratio Lower Upper
62 100
98 8.4 6.0 9.0

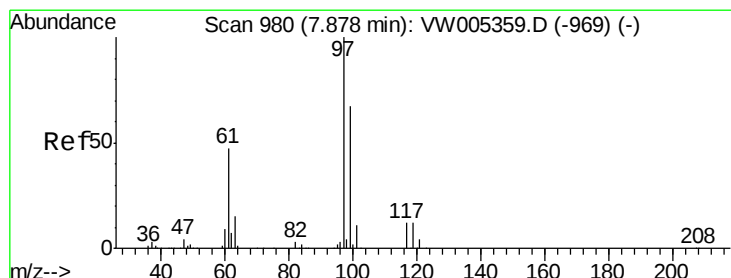
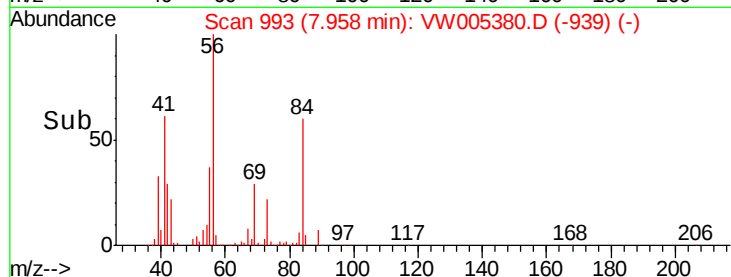
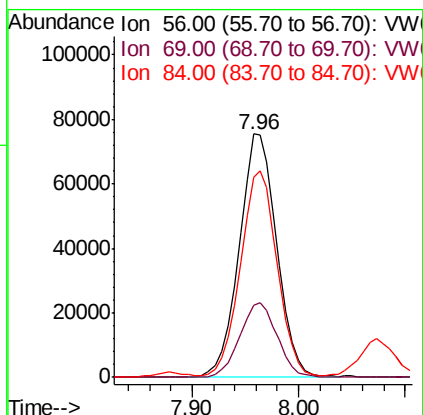
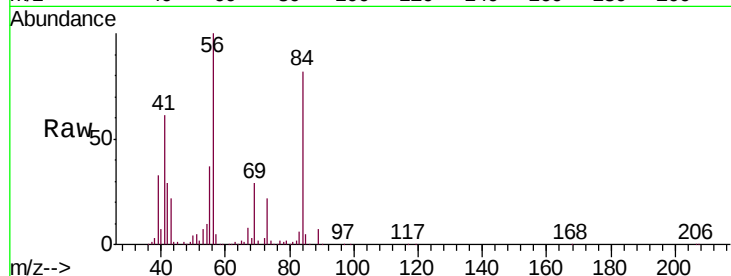




#30
Cyclohexane
Concen: 25.109 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

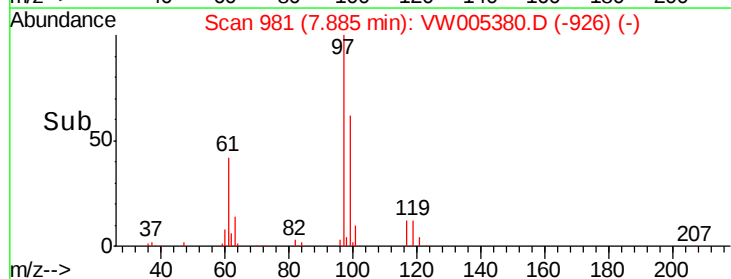
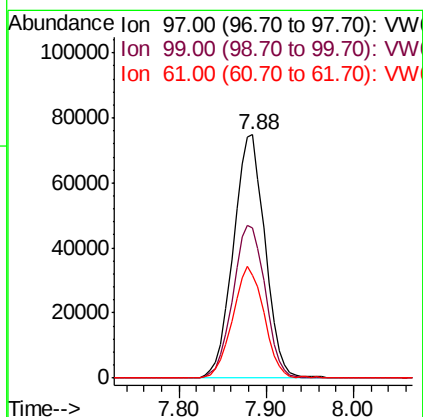
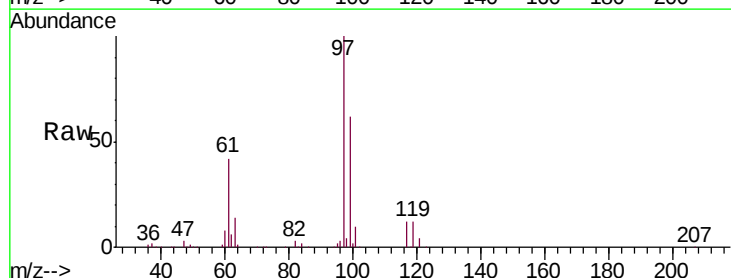
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

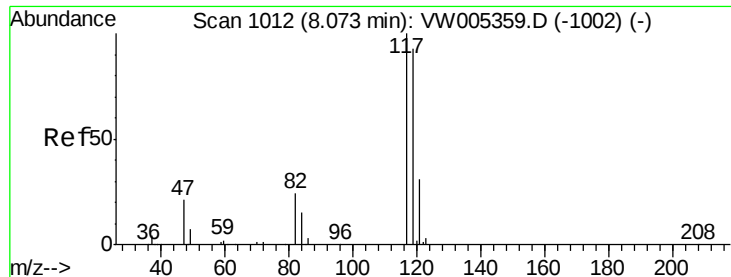
Tgt Ion: 56 Resp: 186198
Ion Ratio Lower Upper
56 100
69 30.6 24.7 37.1
84 83.9 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 25.210 ug/L
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion: 97 Resp: 188241
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 45.1 37.0 55.6





#32

Carbon tetrachloride

Concen: 24.636 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

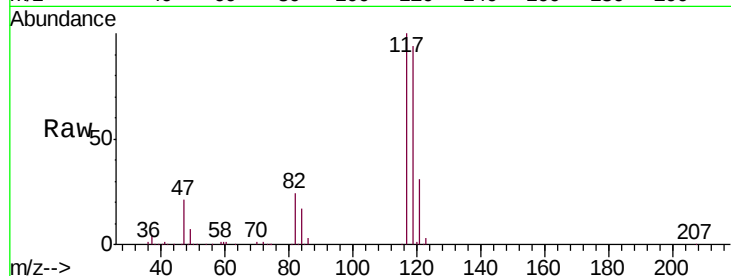
VSTD02589

Tgt Ion:117 Resp: 170664

Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

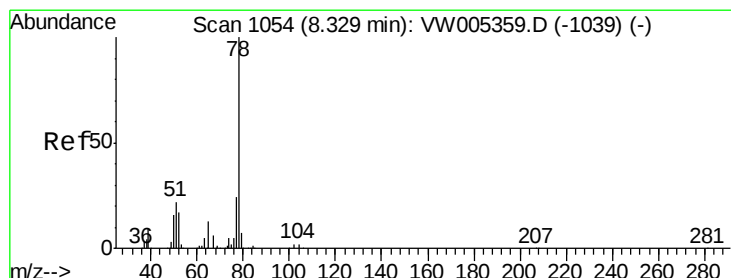
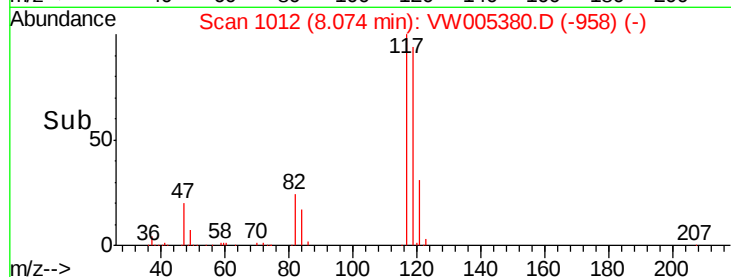
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.226 ug/L

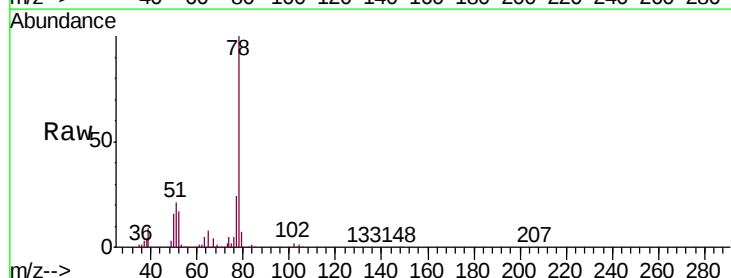
RT: 8.34 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Tgt Ion: 78 Resp: 461560



Abundance Ion 78.00 (77.70 to 78.70): VW

8.34

200000

150000

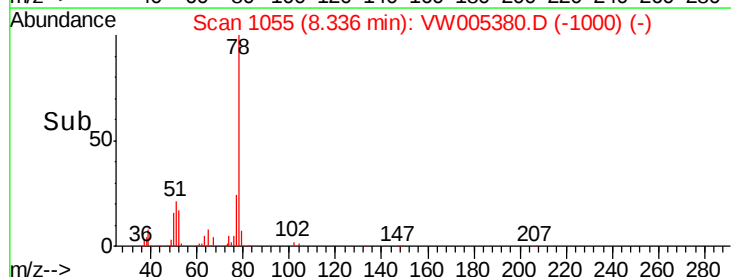
100000

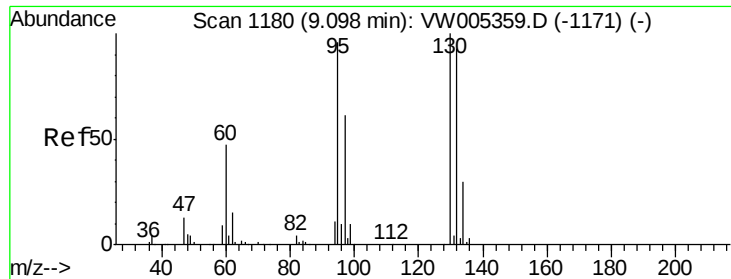
50000

0

8.20 8.30 8.40 8.50

Time-->





#35

Trichloroethene

Concen: 24.713 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 95 Resp: 120015

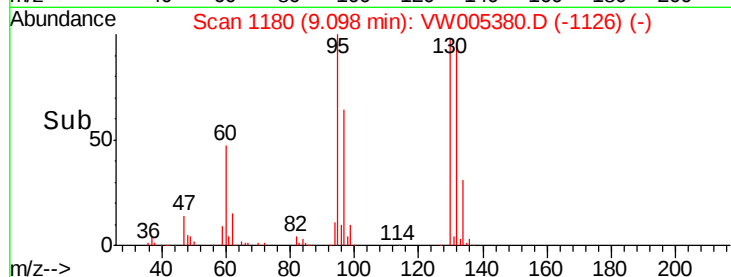
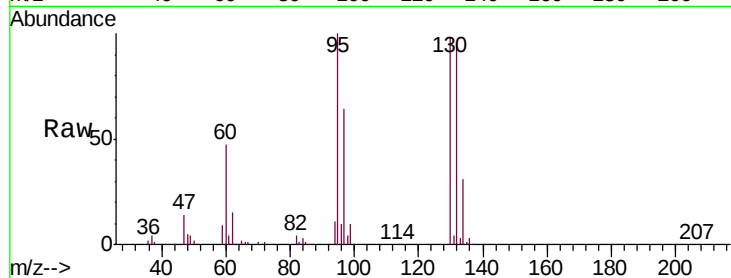
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 95.7 67.2 124.8

130 99.0 68.8 127.8

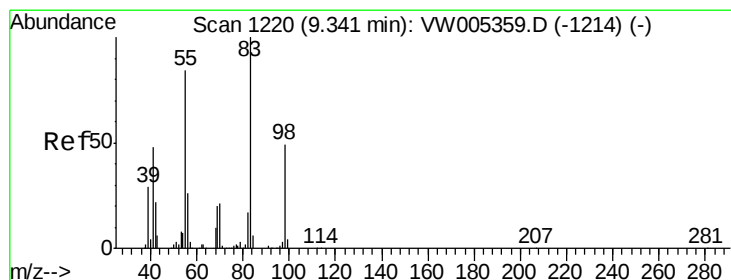
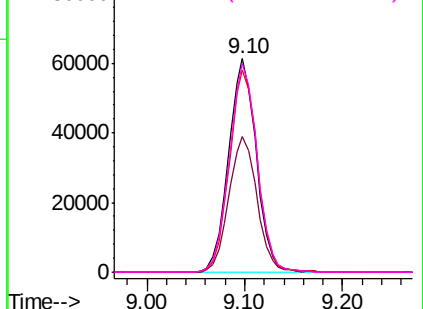


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.423 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

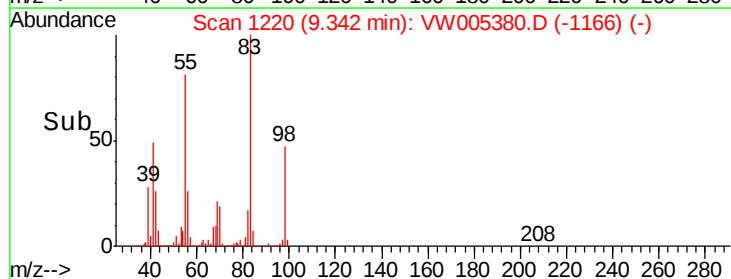
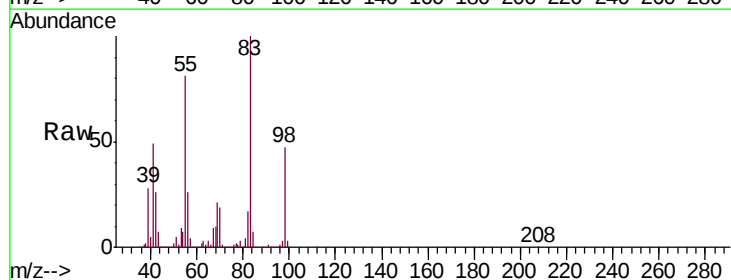
Tgt Ion: 83 Resp: 214286

Ion Ratio Lower Upper

83 100

55 80.0 66.4 99.6

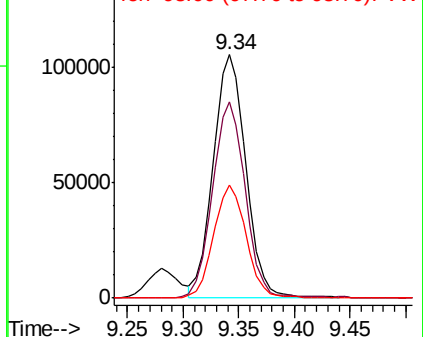
98 46.3 37.3 55.9

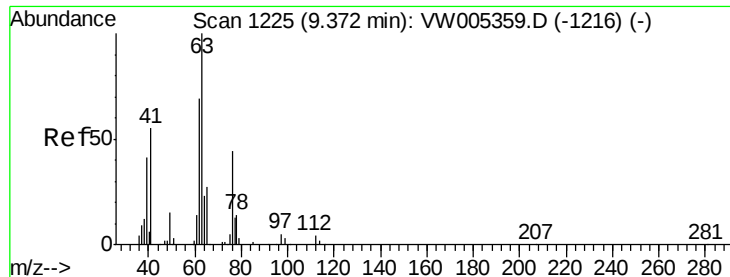


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

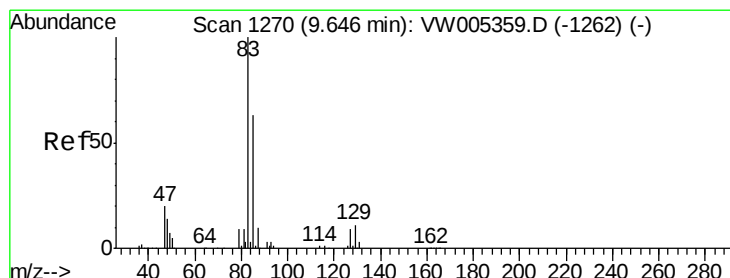
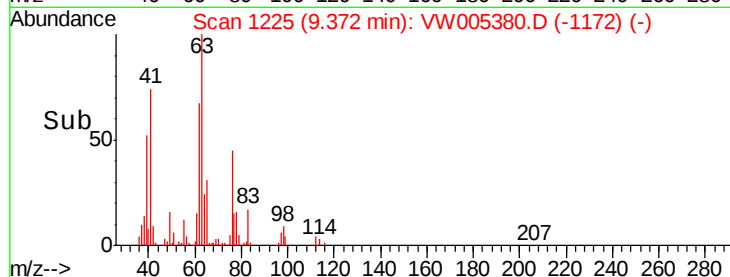
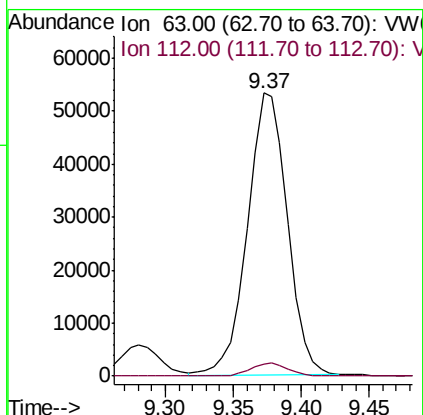
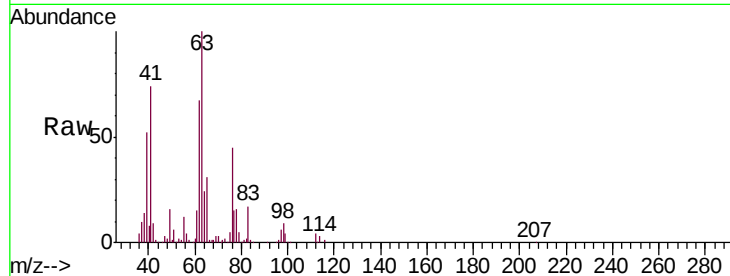




#40
 1,2-Dichloropropane
 Concen: 24.085 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

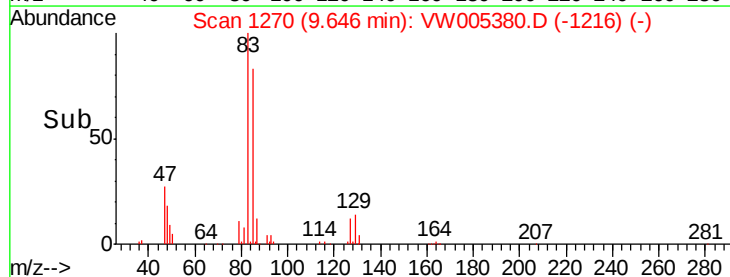
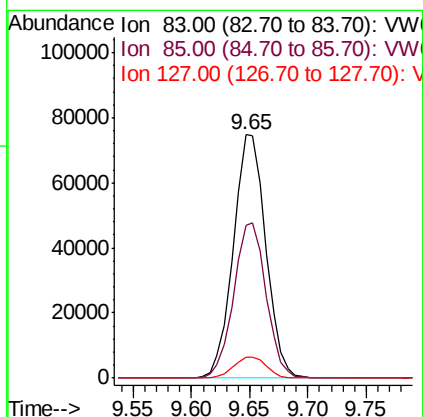
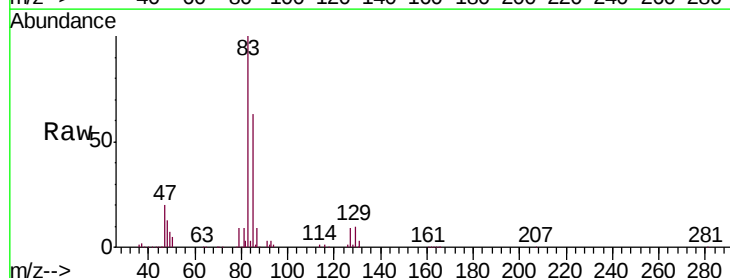
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

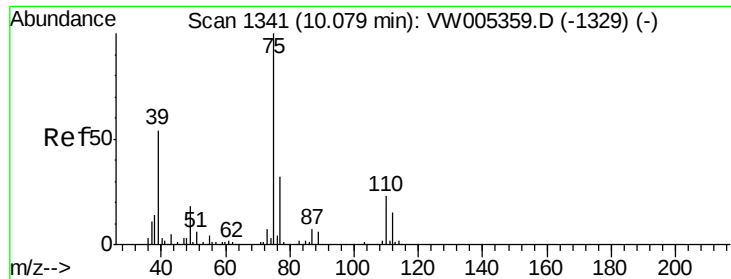
Tgt Ion: 63 Resp: 108791
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#41
 Bromodichloromethane
 Concen: 25.136 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion: 83 Resp: 145543
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.0 81.6
 127 8.8 7.5 11.3

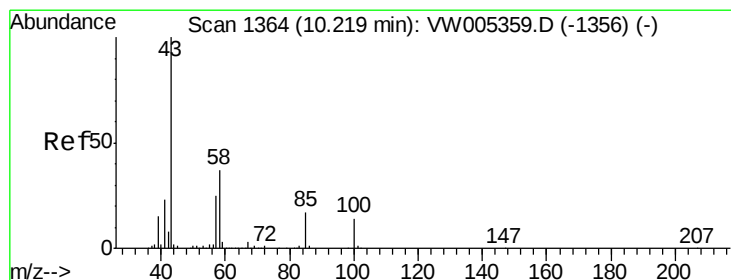
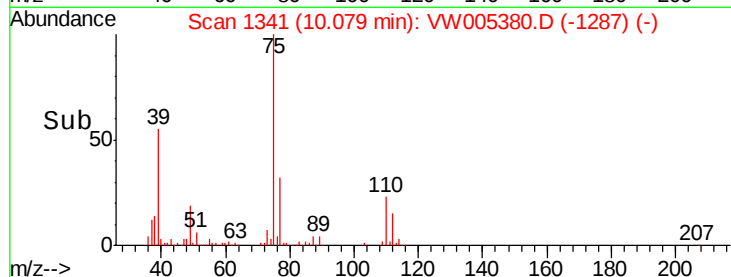
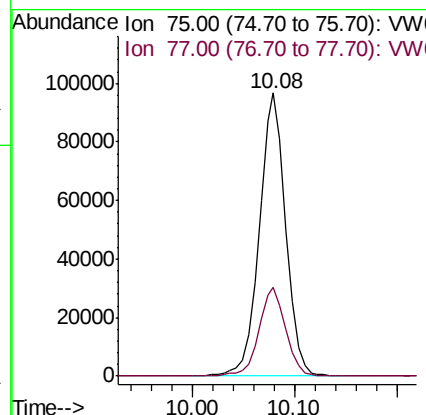
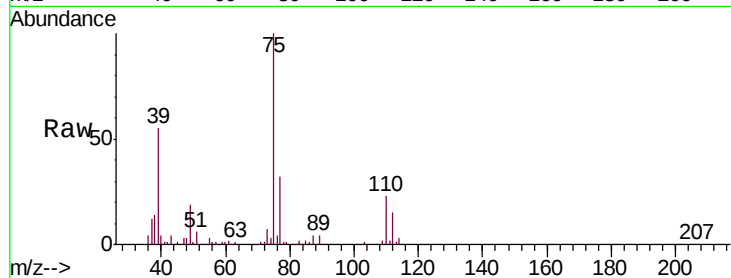




#42
 cis-1,3-Dichloropropene
 Concen: 26.039 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

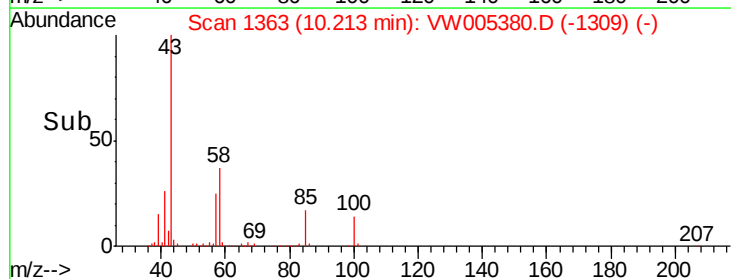
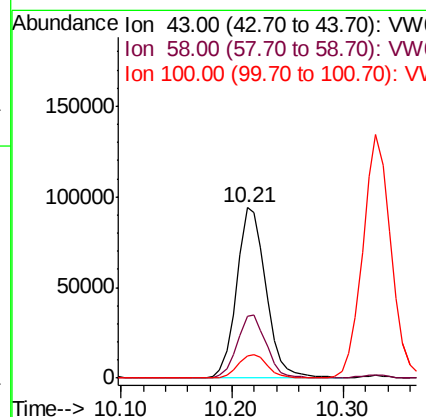
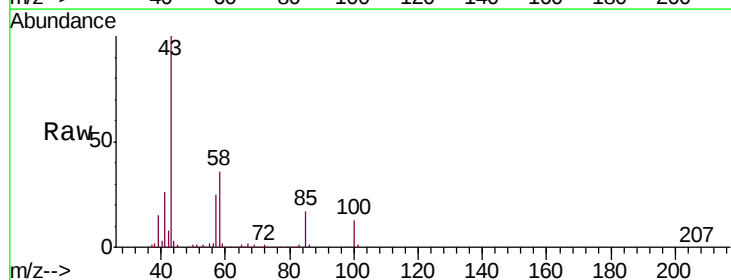
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

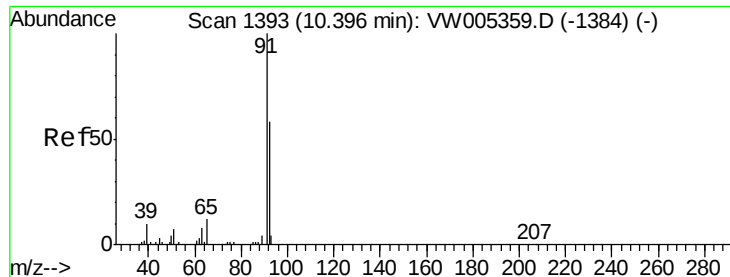
Tgt Ion: 75 Resp: 173724
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 39.649 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion: 43 Resp: 171224
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.8
 100 13.9 11.4 17.0





#44

Toluene

Concen: 25.872 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampled :

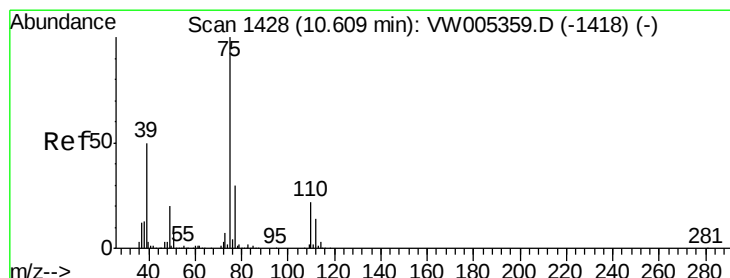
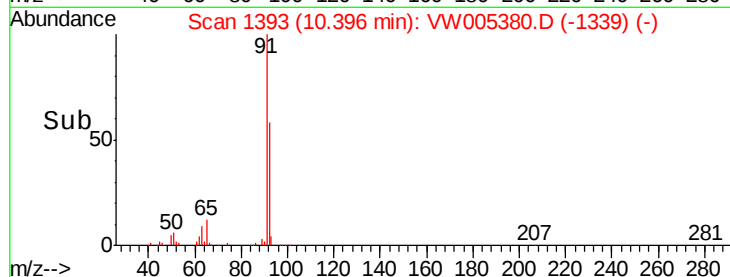
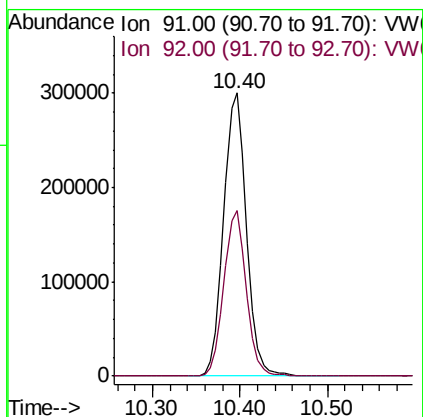
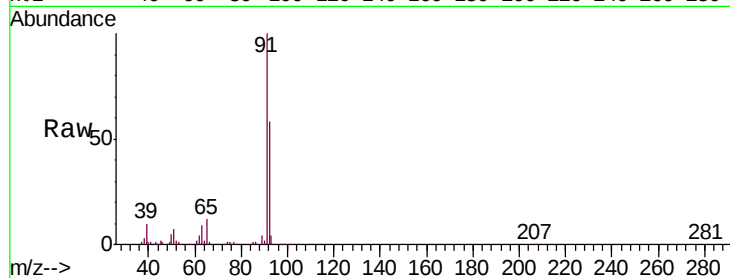
VSTD02589

Tgt Ion: 91 Resp: 542398

Ion Ratio Lower Upper

91 100

92 58.3 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 25.876 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005380.D

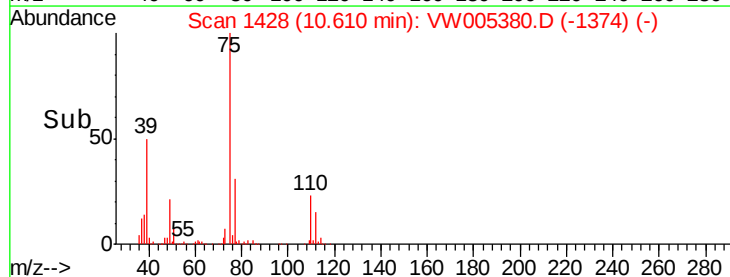
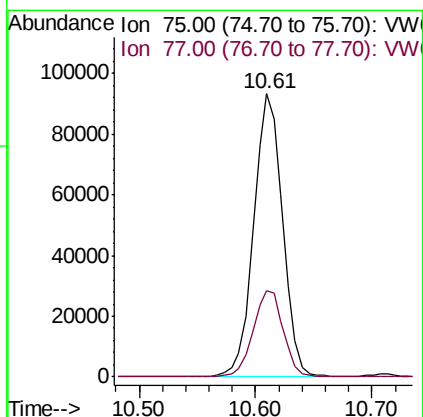
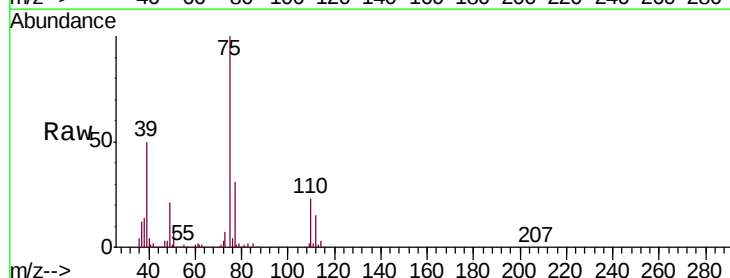
Acq: 14 Sep 2018 10:36

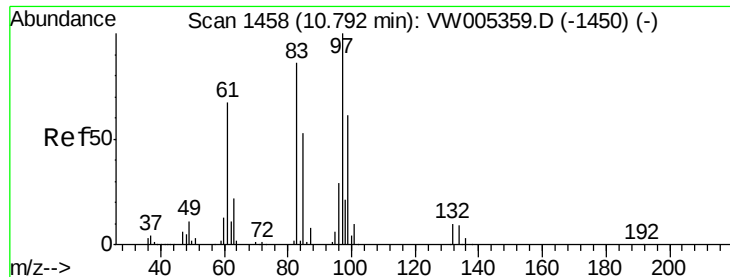
Tgt Ion: 75 Resp: 161749

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.3

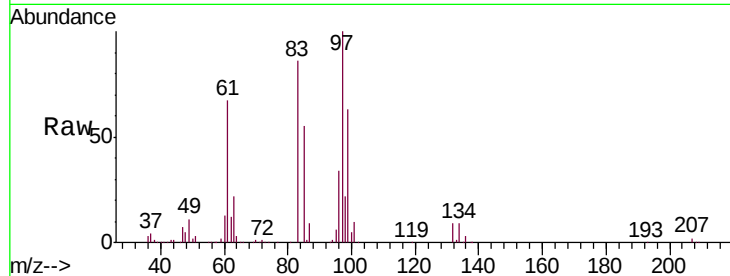




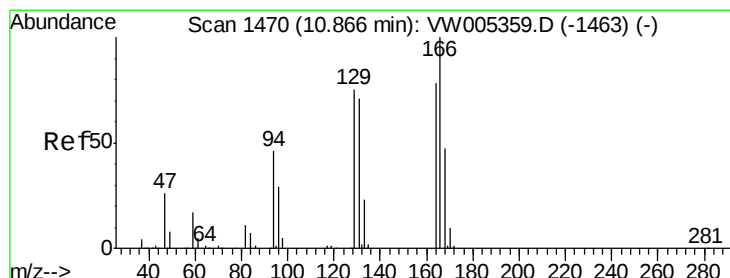
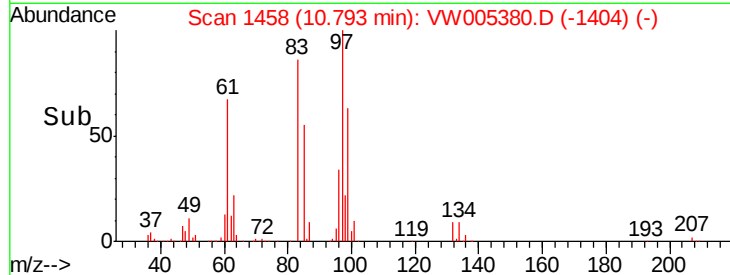
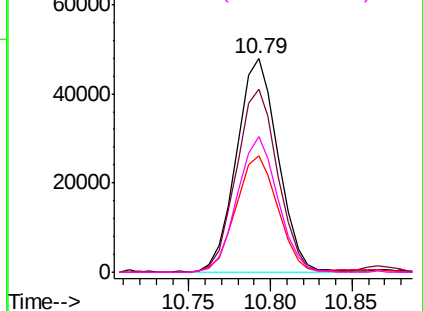
#46
 1,1,2-Trichloroethane
 Concen: 23.971 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:	97	Resp:	84991
Ion	Ratio	Lower	Upper
97	100		
83	85.9	60.2	111.8
85	54.7	37.9	70.5
99	63.3	44.5	82.7

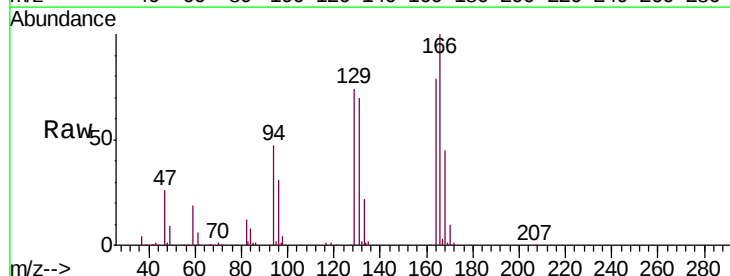


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

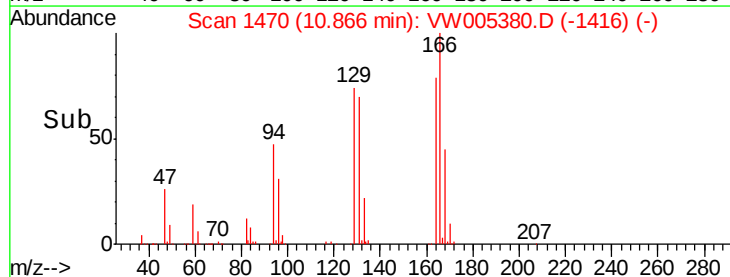
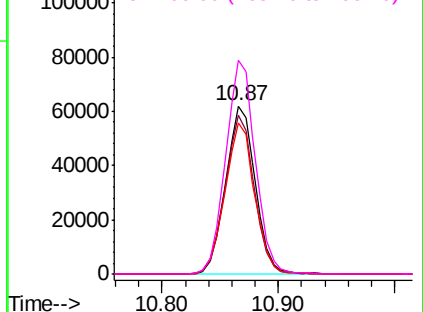


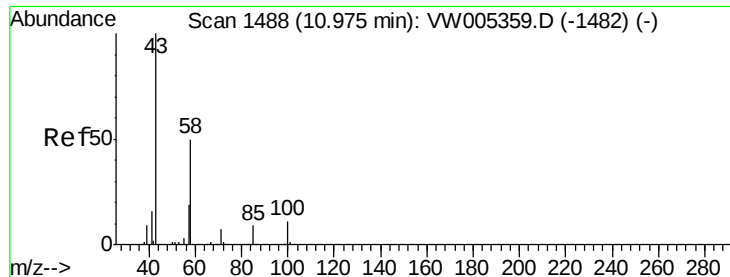
#47
 Tetrachloroethene
 Concen: 24.775 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion:	164	Resp:	108933
Ion	Ratio	Lower	Upper
164	100		
129	94.3	66.2	123.0
131	89.8	63.6	118.0
166	127.4	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 42.770 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 43 Resp: 135784

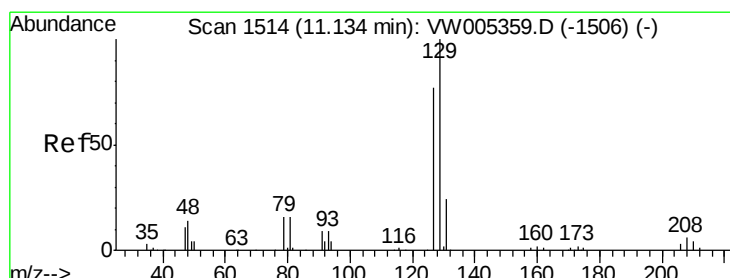
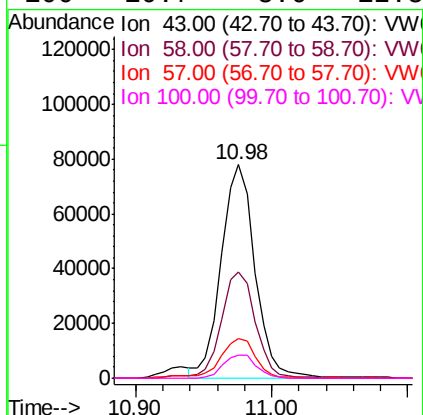
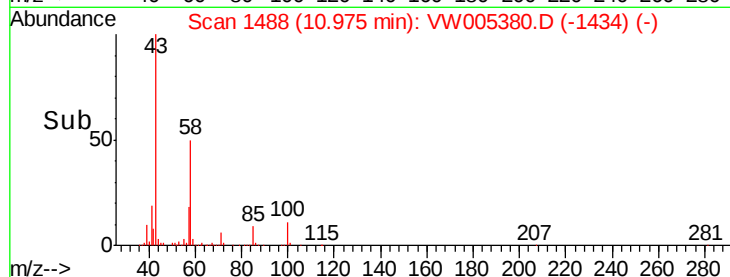
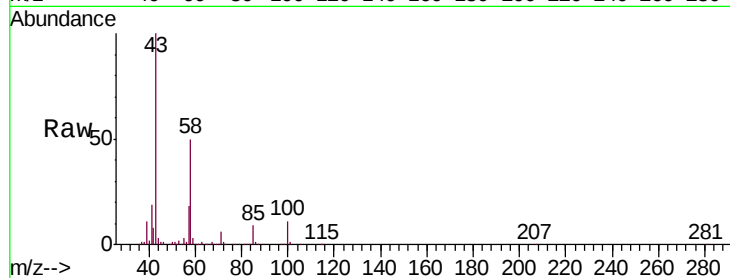
Ion Ratio Lower Upper

43 100

58 50.7 41.6 62.4

57 18.6 15.0 22.6

100 10.7 8.6 12.8



#50

Dibromochloromethane

Concen: 24.494 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005380.D

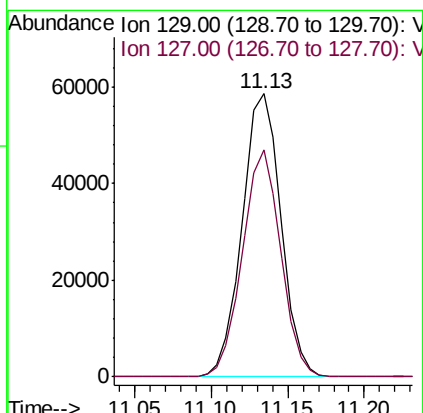
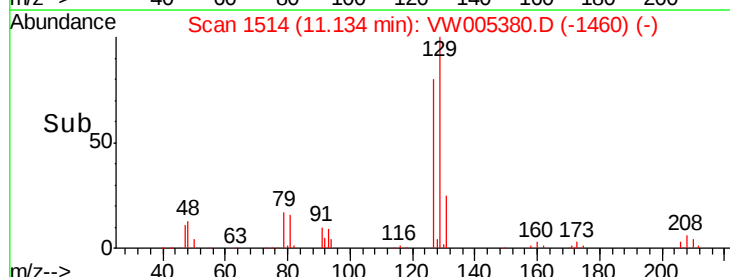
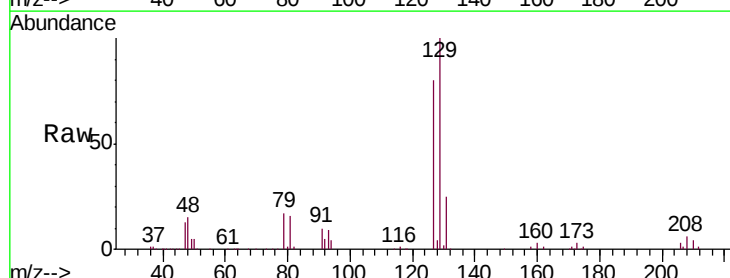
Acq: 14 Sep 2018 10:36

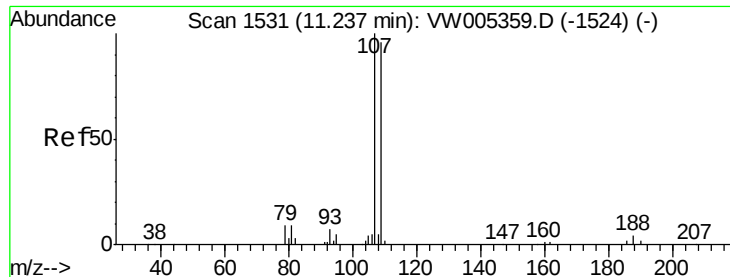
Tgt Ion: 129 Resp: 103748

Ion Ratio Lower Upper

129 100

127 80.1 53.1 98.5

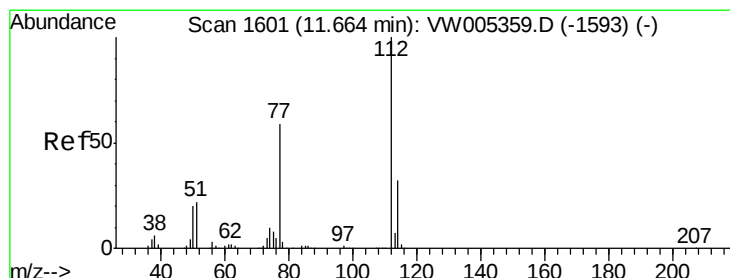
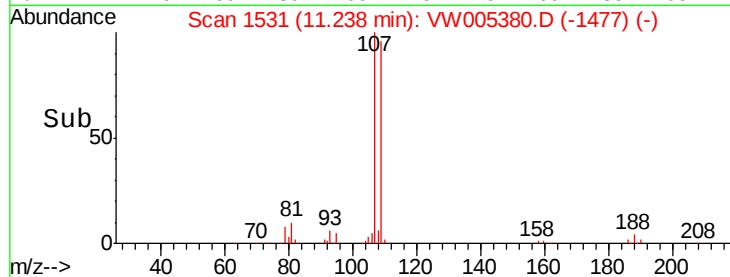
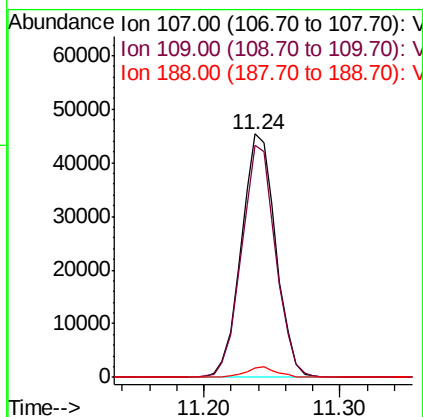
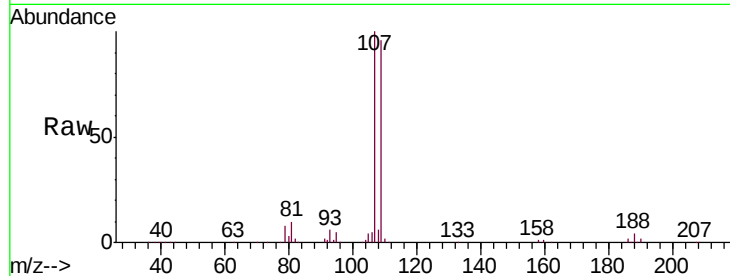




#51
 1,2-Dibromoethane
 Concen: 23.035 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

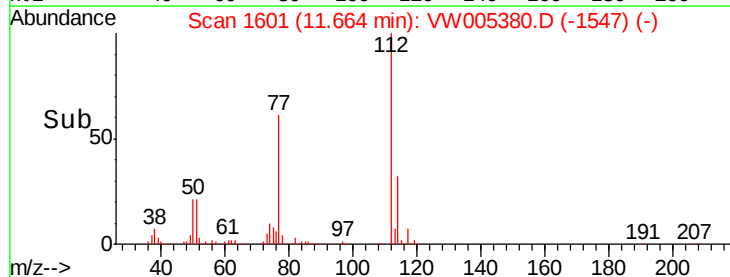
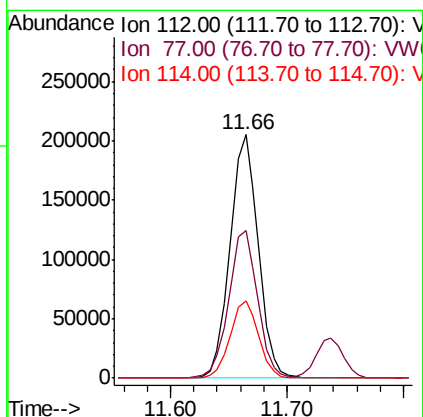
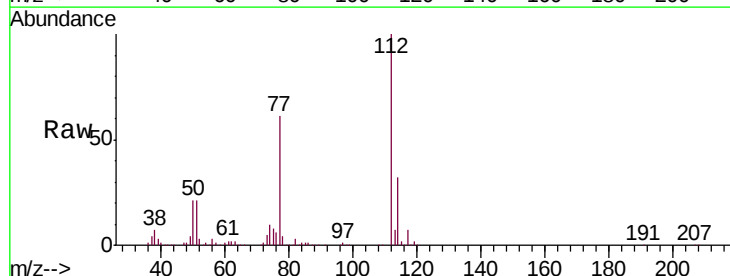
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

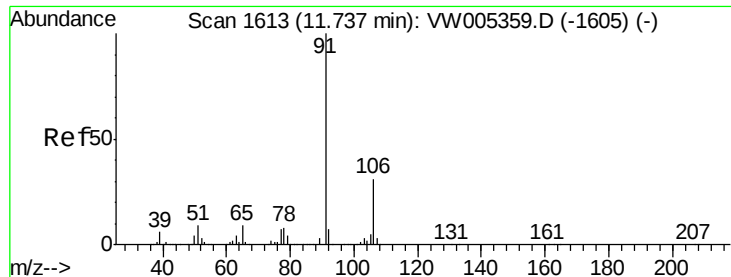
Tgt Ion:107 Resp: 80161
 Ion Ratio Lower Upper
 107 100
 109 95.5 64.9 120.5
 188 3.8 3.1 4.7



#52
 Chlorobenzene
 Concen: 25.259 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion:112 Resp: 345542
 Ion Ratio Lower Upper
 112 100
 77 60.9 45.1 67.7
 114 31.9 22.5 41.7





#53

Ethylbenzene

Concen: 25.514 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

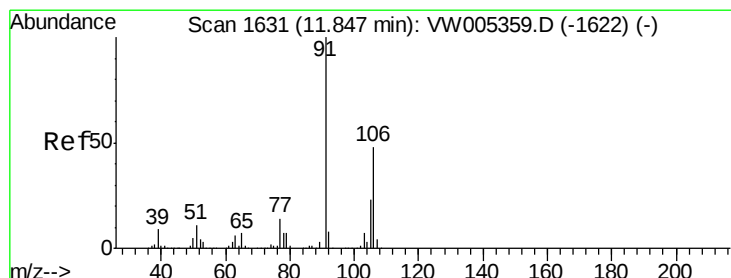
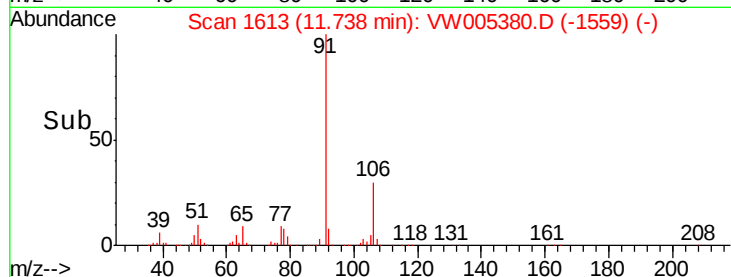
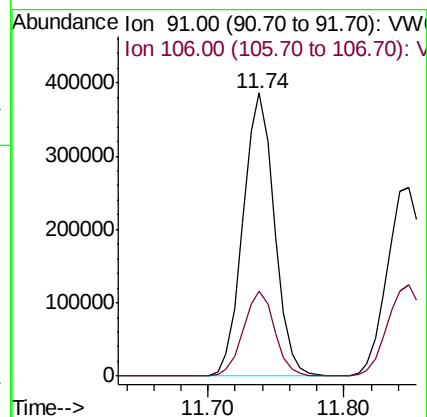
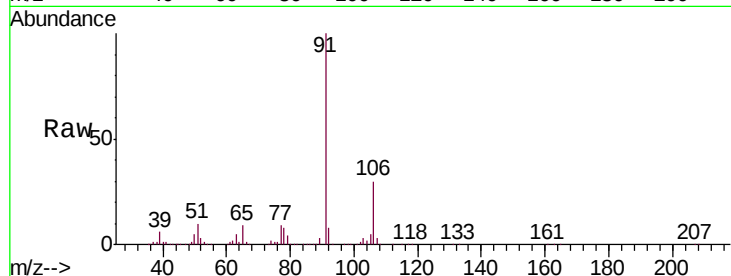
VSTD02589

Tgt Ion: 91 Resp: 622097

Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



#54

m,p-Xylene

Concen: 26.084 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005380.D

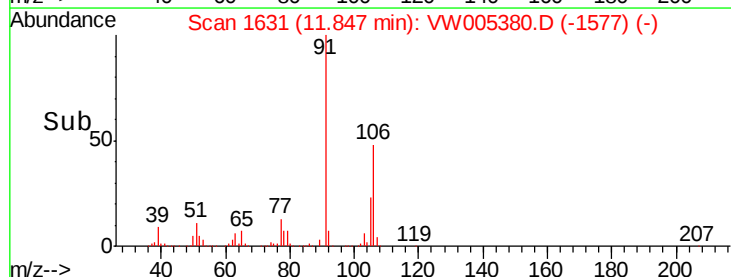
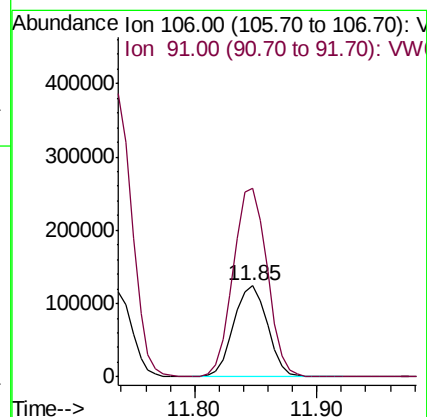
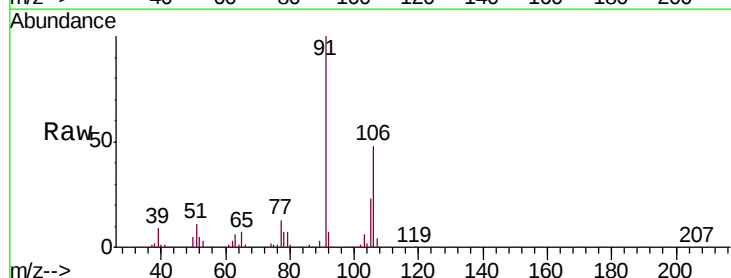
Acq: 14 Sep 2018 10:36

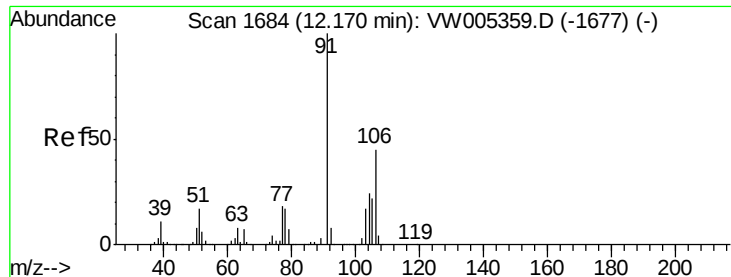
Tgt Ion: 106 Resp: 238132

Ion Ratio Lower Upper

106 100

91 207.4 146.4 271.8

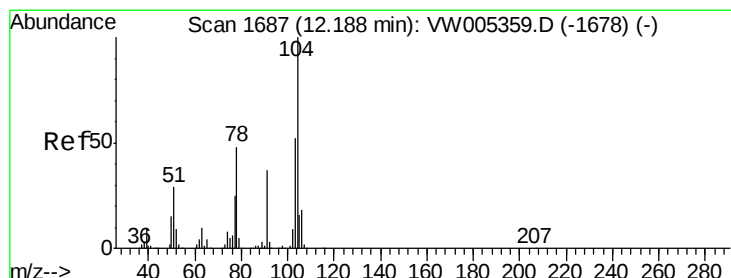
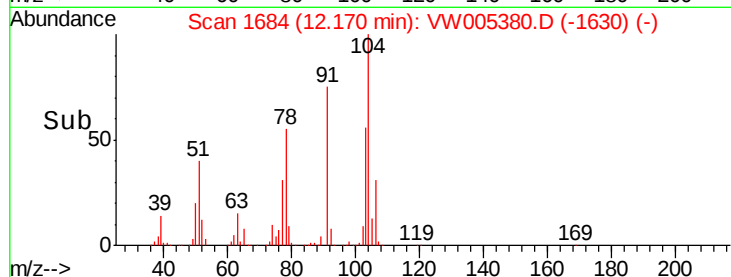
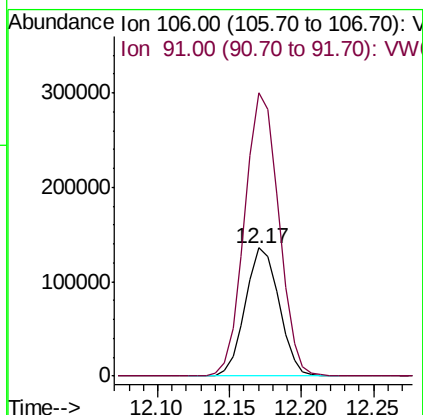
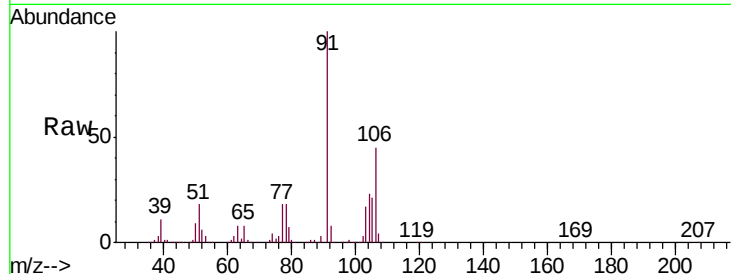




#55
o-xylene
Concen: 25.873 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

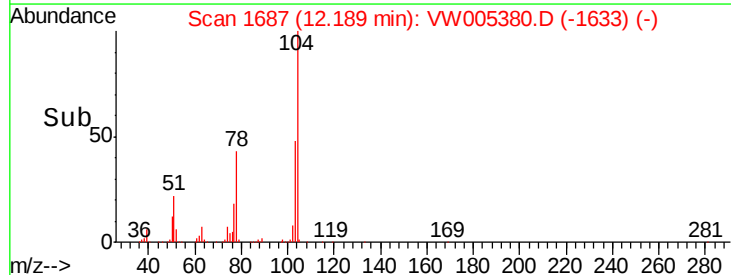
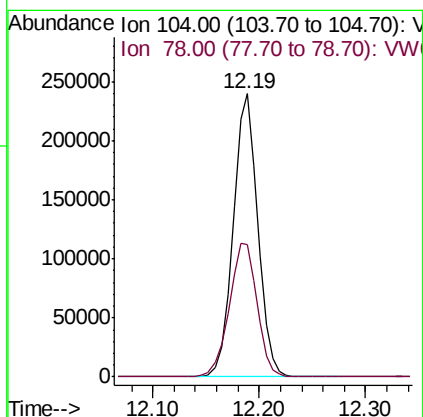
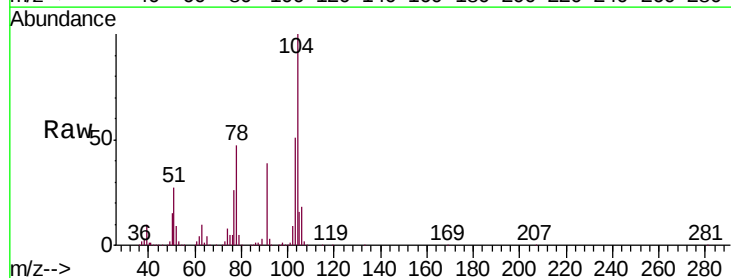
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

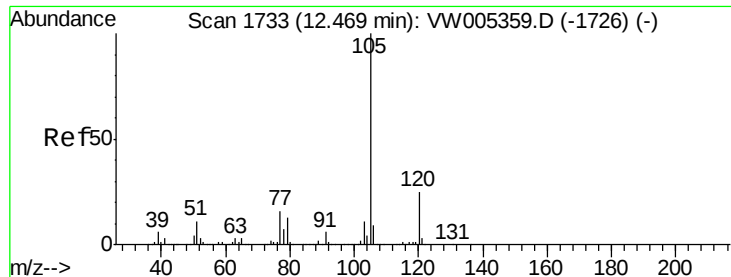
Tgt Ion:106 Resp: 221805
Ion Ratio Lower Upper
106 100
91 220.5 155.1 288.1



#56
Styrene
Concen: 26.156 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005380.D
Acq: 14 Sep 2018 10:36

Tgt Ion:104 Resp: 387034
Ion Ratio Lower Upper
104 100
78 46.7 32.8 60.8





#57

Isopropylbenzene

Concen: 25.924 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

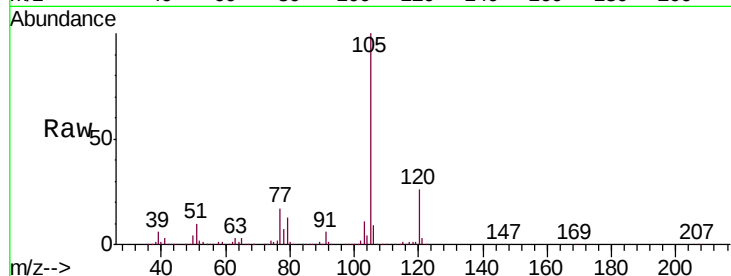
Tgt Ion: 105 Resp: 617322

Ion Ratio Lower Upper

105 100

120 26.1 20.3 30.5

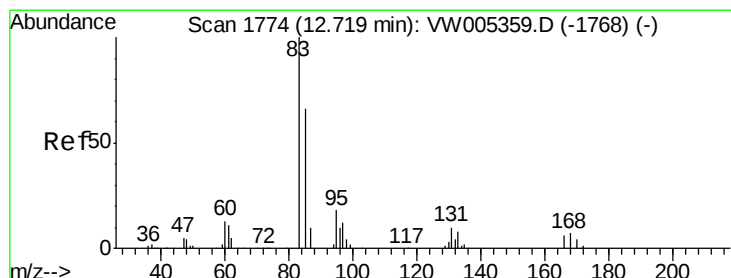
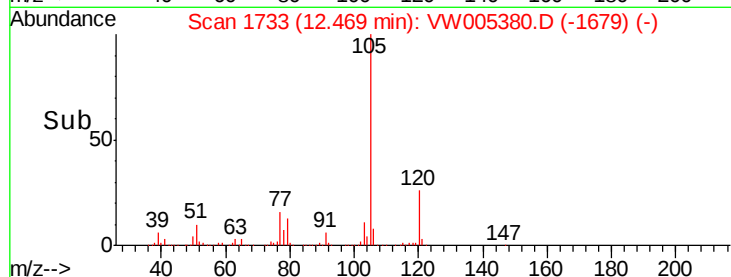
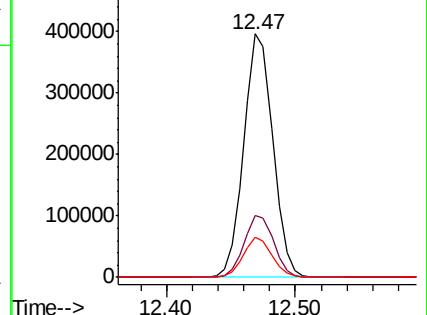
77 16.3 12.9 19.3



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: 21.866 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

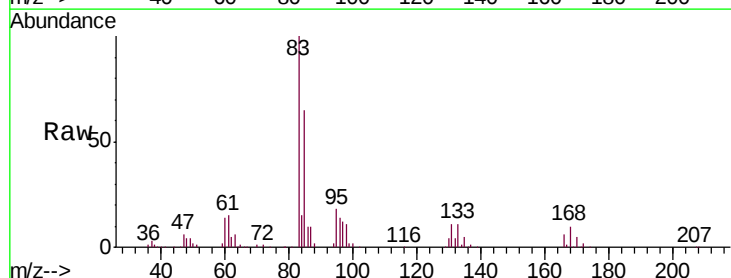
Tgt Ion: 83 Resp: 106598

Ion Ratio Lower Upper

83 100

85 65.3 43.2 80.2

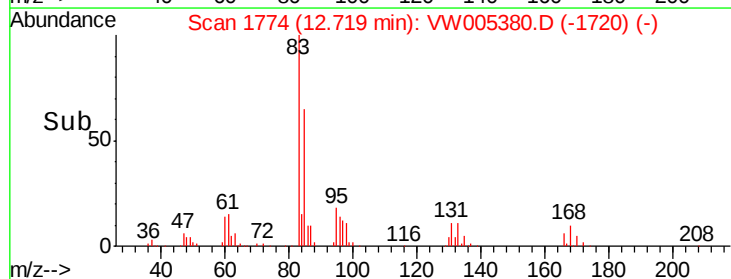
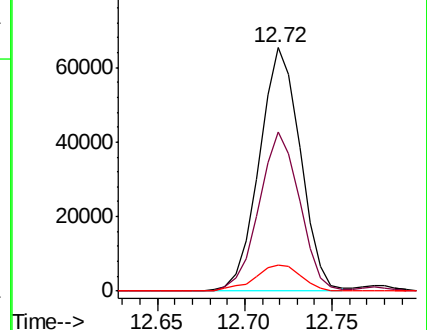
131 10.7 7.9 11.9

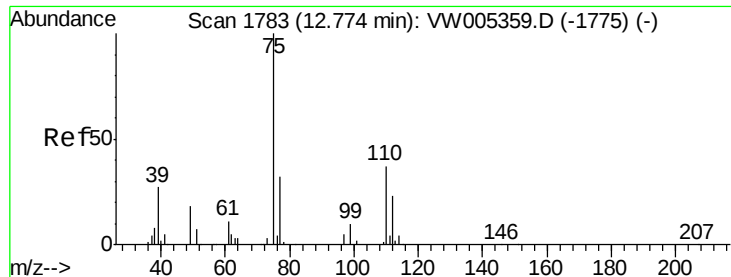


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.217 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

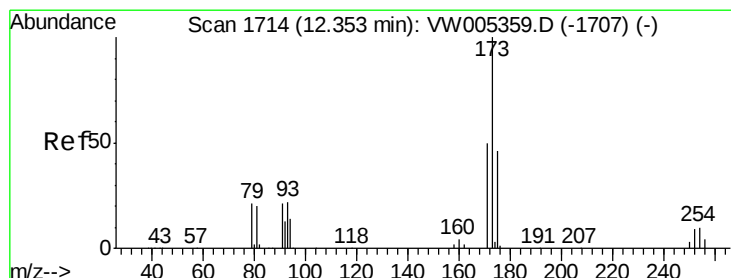
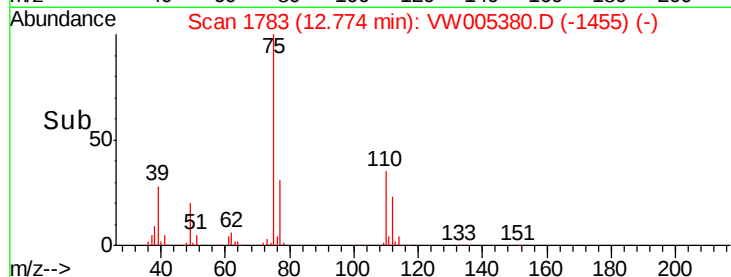
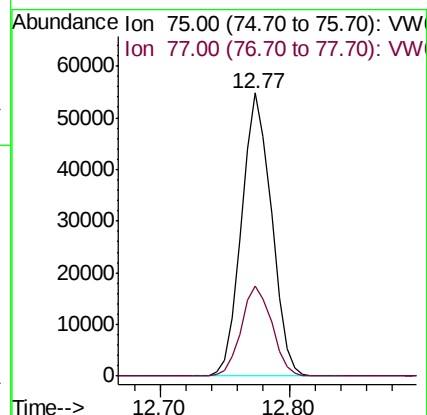
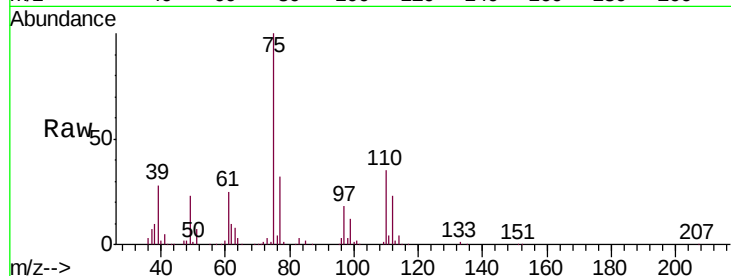
VSTD02589

Tgt Ion: 75 Resp: 88405

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#62

Bromoform

Concen: 22.841 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

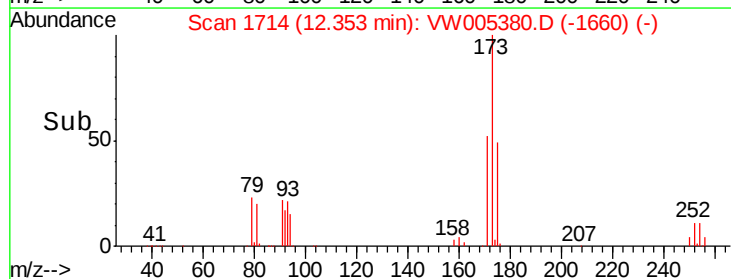
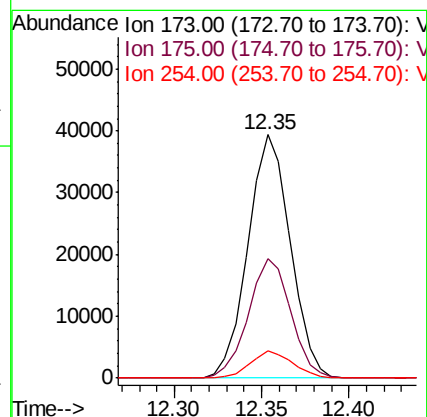
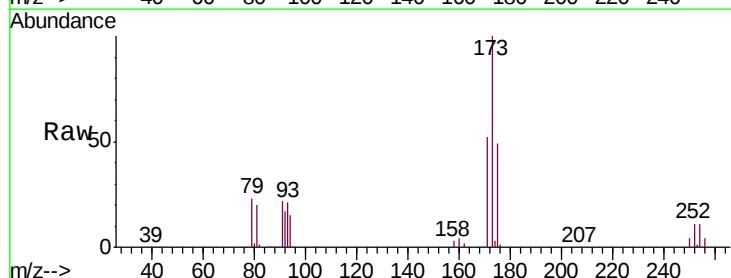
Tgt Ion: 173 Resp: 66683

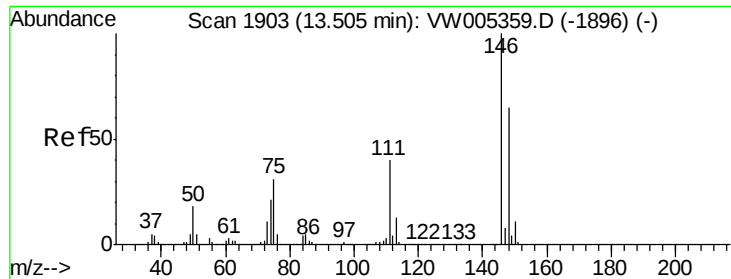
Ion Ratio Lower Upper

173 100

175 49.4 37.8 56.8

254 11.1 8.6 13.0

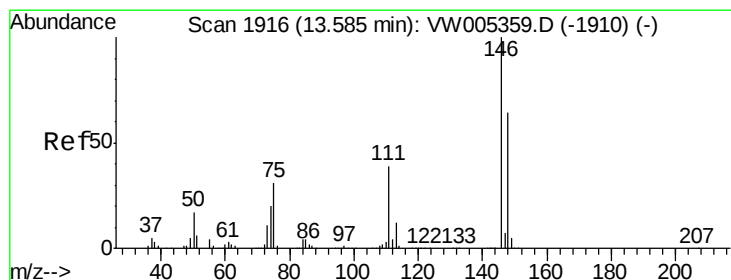
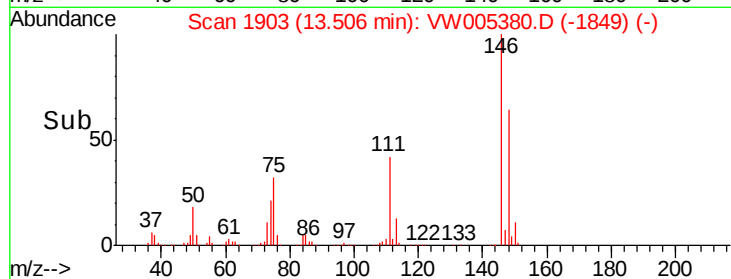
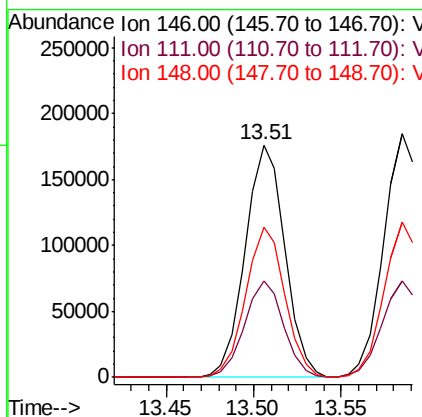
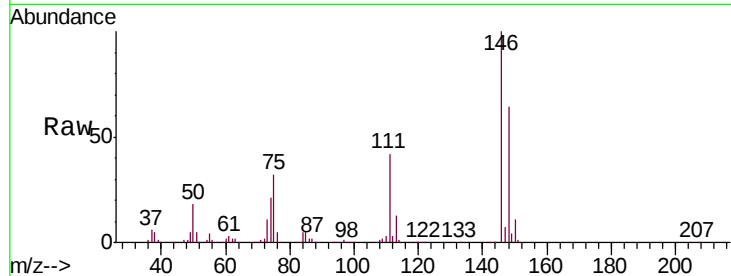




#63
 1,3-Dichlorobenzene
 Concen: 25.218 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

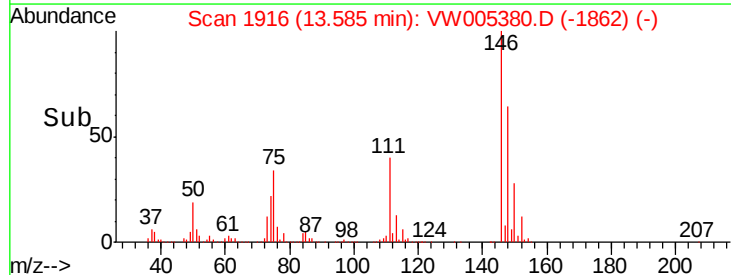
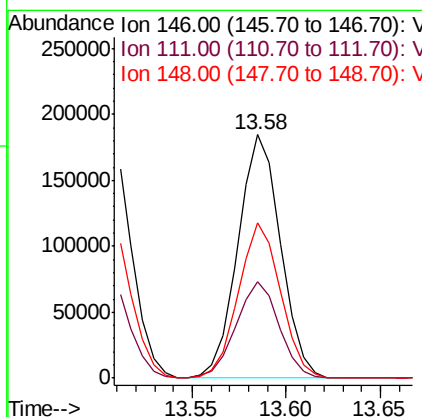
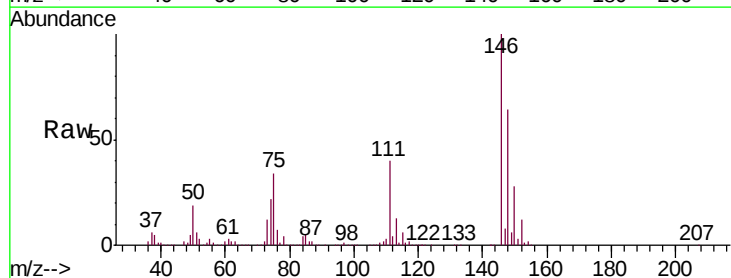
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

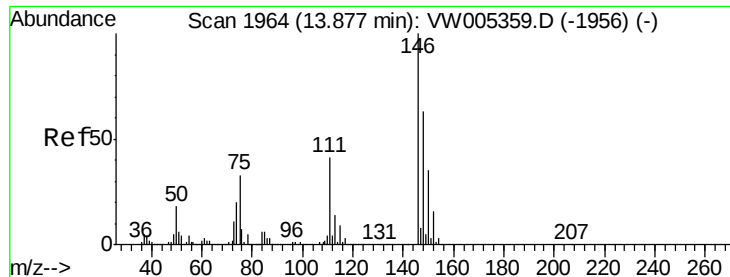
Tgt Ion:146 Resp: 279394
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.1 52.3
 148 64.5 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 25.278 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion:146 Resp: 289043
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.9 51.9
 148 63.9 44.3 82.3

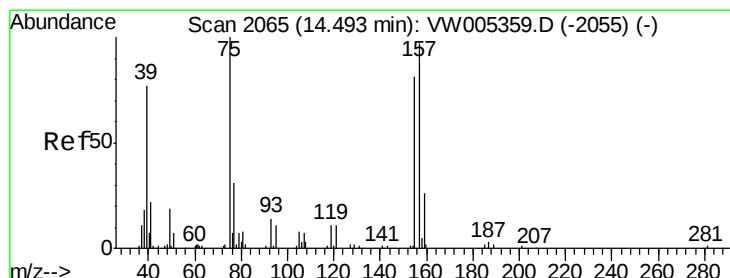
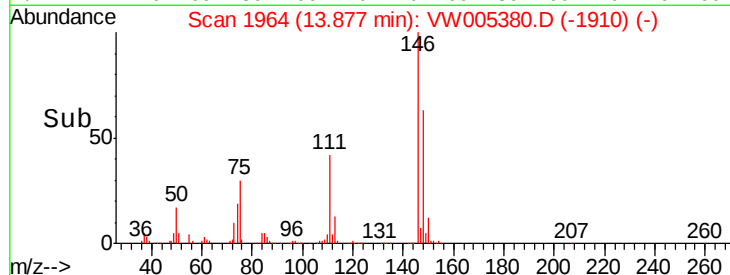
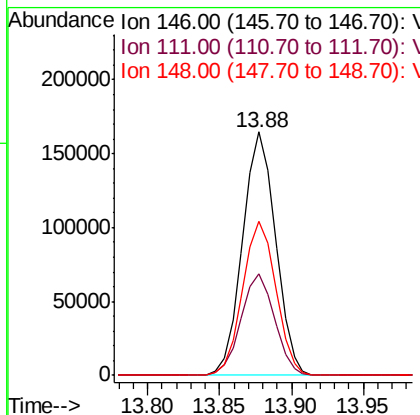
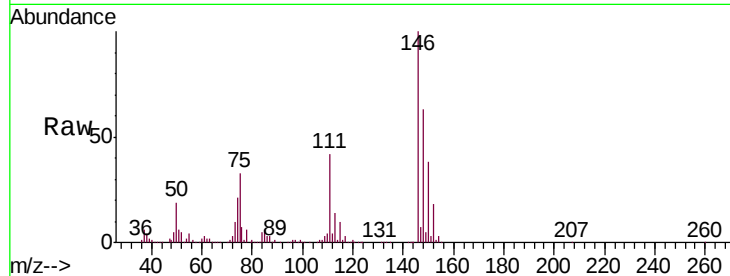




#65
 1,2-Dichlorobenzene
 Concen: 24.732 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

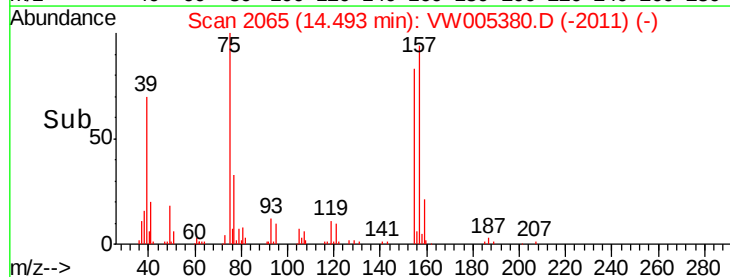
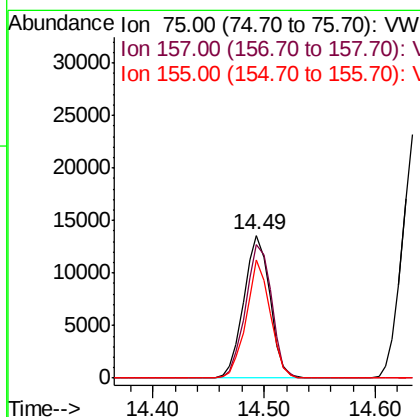
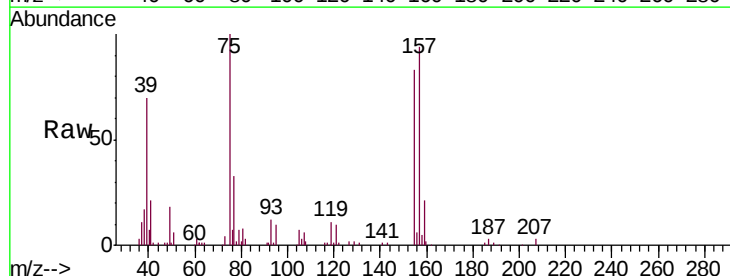
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

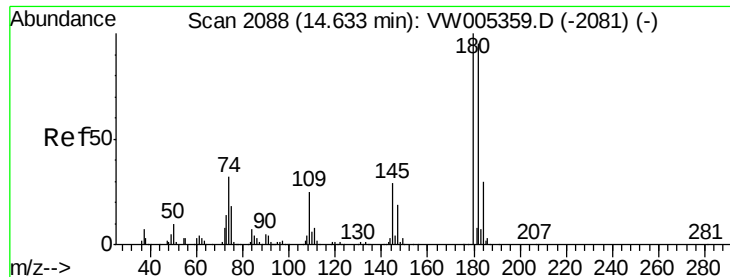
Tgt Ion: 146 Resp: 262321
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.9 49.3
 148 63.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.246 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion: 75 Resp: 22150
 Ion Ratio Lower Upper
 75 100
 157 93.8 86.3 129.5
 155 82.7 66.6 100.0

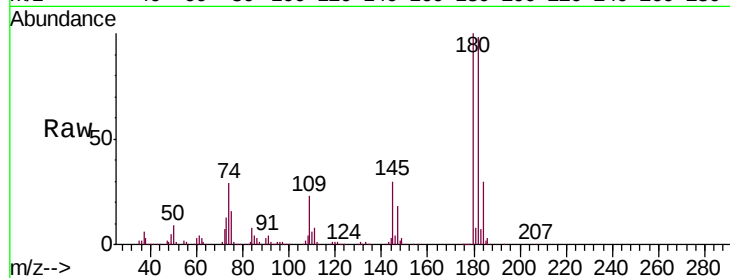




#67
 1,3,5-Trichlorobenzene
 Concen: 24.904 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	218473		
182	95.4	75.7	113.5	
184	30.0	24.0	36.0	
145	29.5	23.8	35.6	



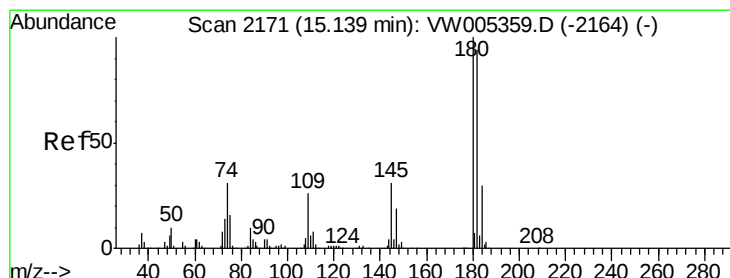
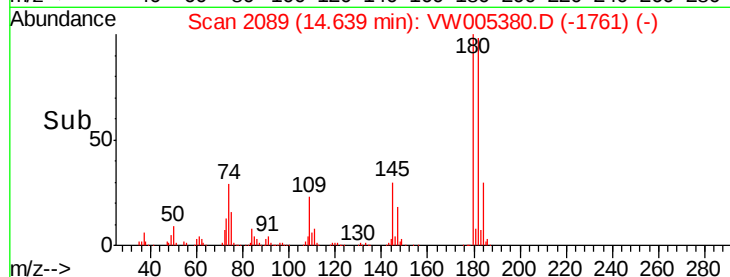
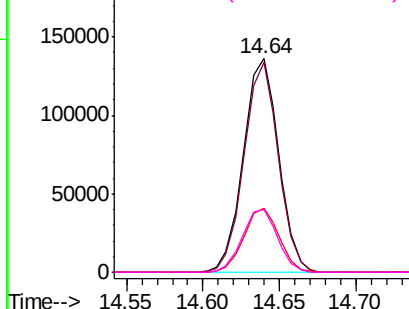
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

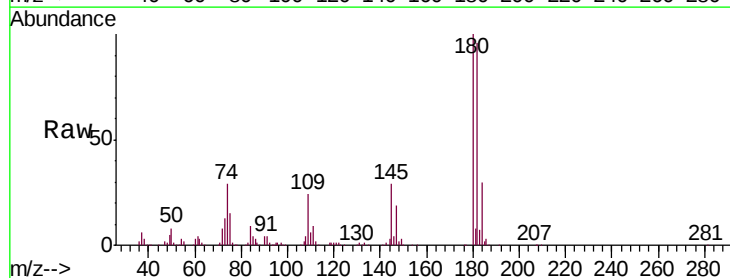
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.664 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005380.D
 Acq: 14 Sep 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	178836		
182	95.3	76.6	115.0	
145	30.2	24.2	36.4	

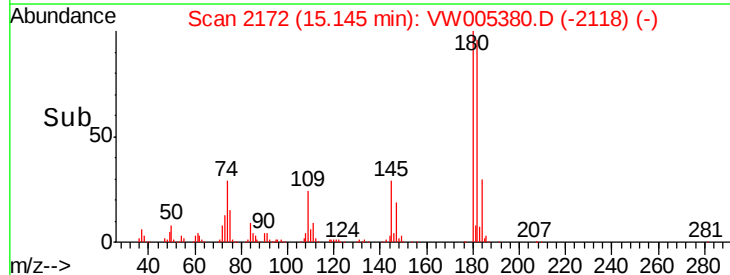
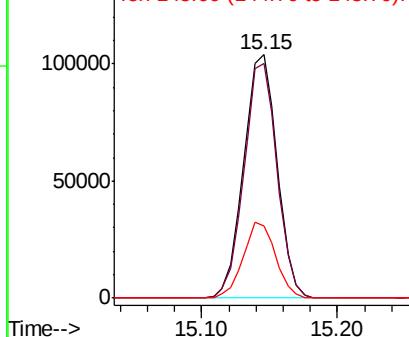


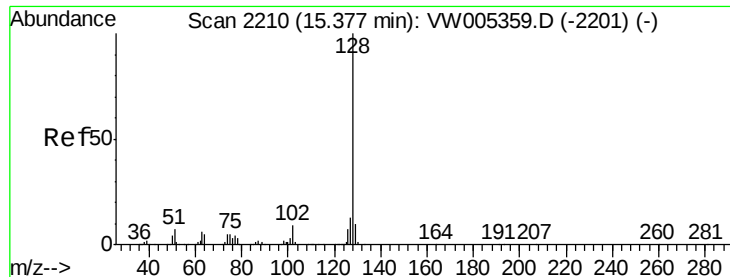
Abundance

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: 22.347 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

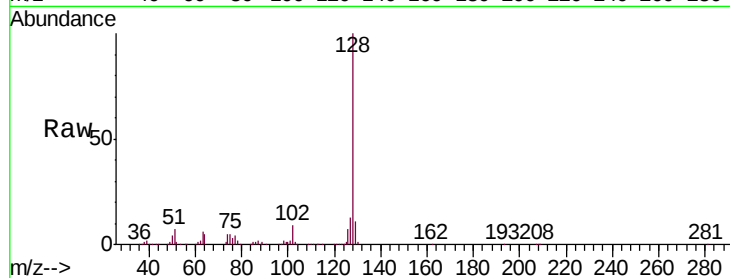
Tgt Ion:128 Resp: 355006

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

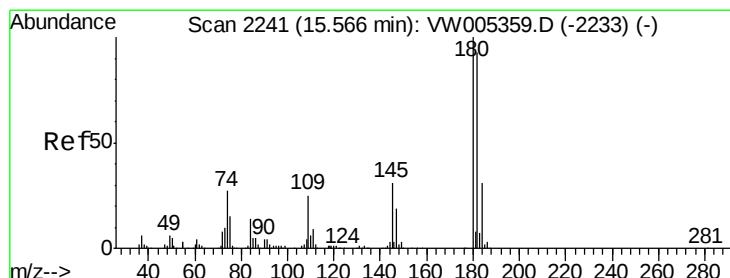
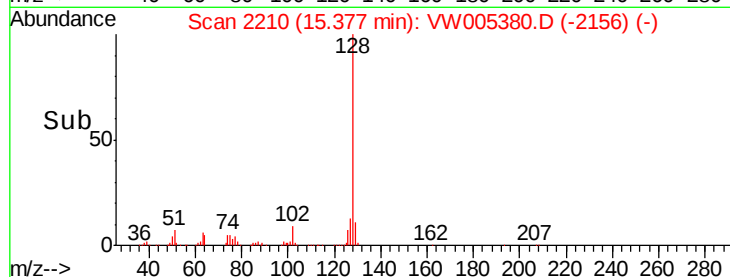
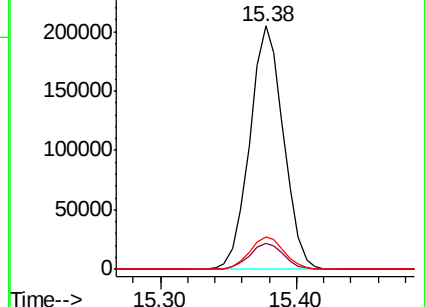
127 13.7 10.9 16.3



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: 24.647 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005380.D

Acq: 14 Sep 2018 10:36

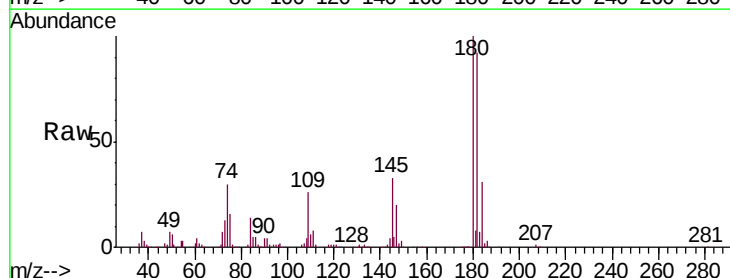
Tgt Ion:180 Resp: 167961

Ion Ratio Lower Upper

180 100

182 94.5 76.9 115.3

145 32.3 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

