

Data File : VW005519.D
Acq On : 19 Sep 2018 17:07
Operator : SY/AP
Sample : VSTD10095
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10095

Quant Time: Sep 19 17:27:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 17:19:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	378338	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	343854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	175833	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	586573	134.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	434365	140.69	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1219854	156.46	ug/L	0.00
20) 2-Butanone-d5	7.08	46	543581	330.53	ug/L	0.00
24) Chloroform-d	7.65	84	1107644	156.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	669232	148.30	ug/L	0.00
29) Benzene-d6	8.27	84	2278538	165.05	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	695314	176.46	ug/L	0.00
37) Toluene-d8	10.33	98	2154760	154.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	332078	168.43	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	423286	344.99	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	670924	162.80	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	740776	140.37	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	508627	65.216	ug/L	95
3) Chloromethane	2.22	50	553306	77.045	ug/L	99
5) Vinyl chloride	2.37	62	581623	85.006	ug/L	99
6) Bromomethane	2.78	94	319207	90.048	ug/L	99
8) Chloroethane	2.92	64	323750	89.085	ug/L	97
9) Trichlorofluoromethane	3.26	101	496131	55.674	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	511431	105.055	ug/L	99
12) 1,1-Dichloroethene	4.03	96	484706	117.722	ug/L	97
13) Acetone	4.13	43	301082	194.995	ug/L	99
14) Carbon disulfide	4.37	76	1553997	96.136	ug/L	98
15) Methyl Acetate	4.67	43	381635	112.033	ug/L	99
16) Methylene chloride	4.91	84	480120	66.825	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	771244	67.476	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	504585	109.751	ug/L	99
19) 1,1-Dichloroethane	6.21	63	944165	112.381	ug/L	98
21) 2-Butanone	7.18	43	508075	214.713	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	551860	112.467	ug/L	97
23) Bromochloromethane	7.51	128	234700	102.637	ug/L	94
25) Chloroform	7.68	83	944314	106.884	ug/L	99
27) 1,2-Dichloroethane	8.40	62	692060	100.911	ug/L	99
30) Cyclohexane	7.96	56	1019830	131.353	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	817058	104.511	ug/L	99
32) Carbon tetrachloride	8.07	117	792975	109.332	ug/L	99
34) Benzene	8.33	78	2119883	110.660	ug/L	100
35) Trichloroethene	9.09	95	552633	108.689	ug/L	100
36) Methylcyclohexane	9.34	83	1075637	121.885	ug/L	99
40) 1,2-Dichloropropane	9.37	63	553042	116.942	ug/L	100
41) Bromodichloromethane	9.65	83	688433	113.560	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	858048	122.836	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1103317	244.018	ug/L	100

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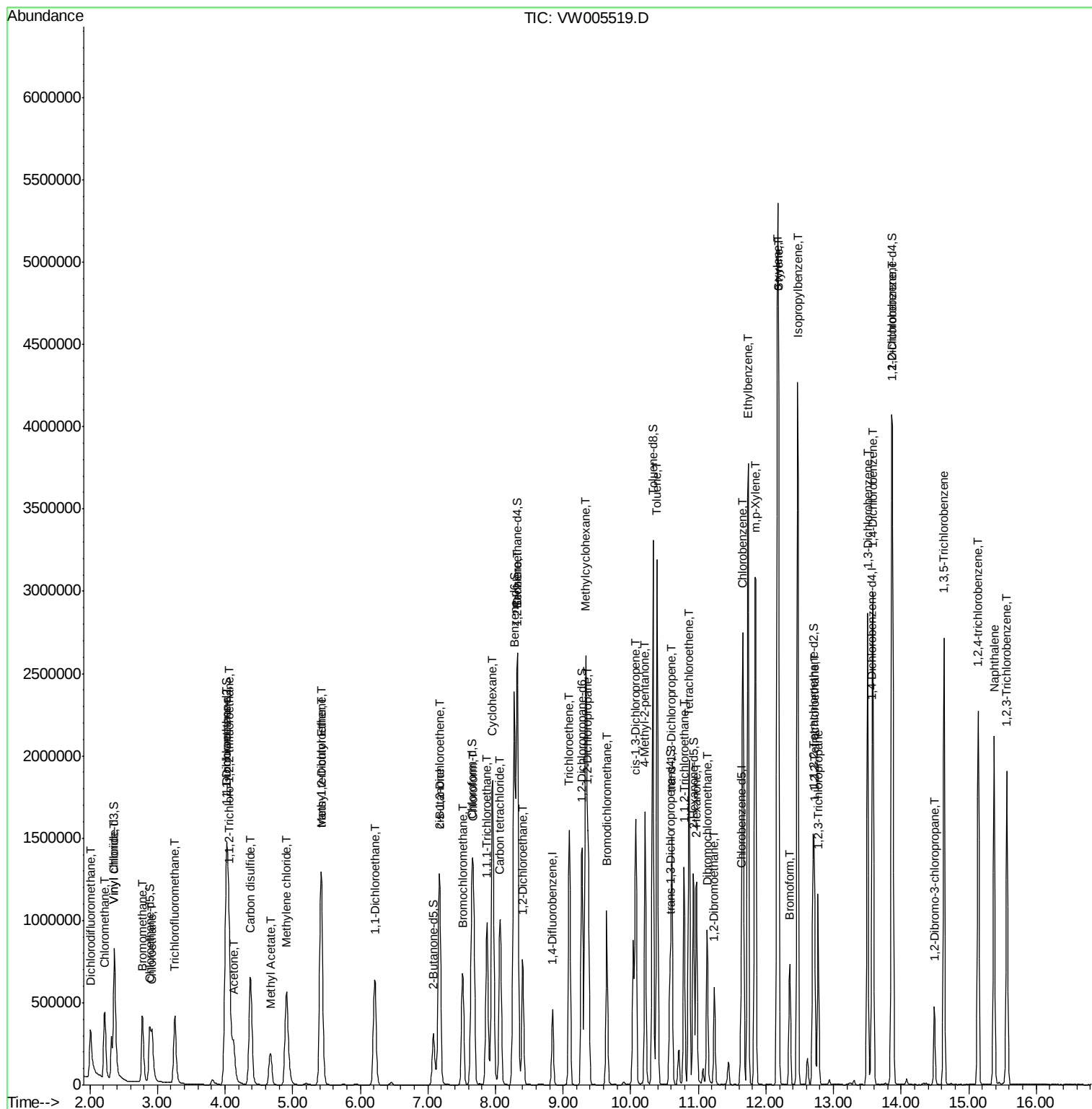
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2265026	103.191	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	786207	120.130	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	413290	111.334	ug/L	99
47) Tetrachloroethene	10.87	164	446304	96.946	ug/L	97
49) 2-Hexanone	10.98	43	813969	244.876	ug/L	99
50) Dibromochloromethane	11.13	129	496787	112.024	ug/L	97
51) 1,2-Dibromoethane	11.24	107	399627	109.681	ug/L	92
52) Chlorobenzene	11.66	112	1392894	97.248	ug/L	99
53) Ethylbenzene	11.74	91	2639339	103.387	ug/L	99
54) m,p-Xylene	11.85	106	968436	101.317	ug/L	97
55) o-xylene	12.17	106	927641	103.348	ug/L	99
56) Styrene	12.19	104	1610031	103.924	ug/L	100
57) Isopropylbenzene	12.47	105	2646142	106.133	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	588661	115.331	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	472558	108.323	ug/L	99
62) Bromoform	12.35	173	336603	114.248	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1124774	100.600	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	1122382	97.264	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	1033901	96.591	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	123203	106.075	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	855445	96.627	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	717853	98.103	ug/L	100
69) Naphthalene	15.38	128	1744171	108.795	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	659111	95.839	ug/L	100

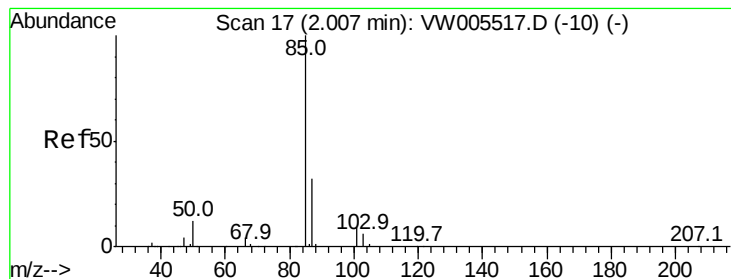
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 65.216 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

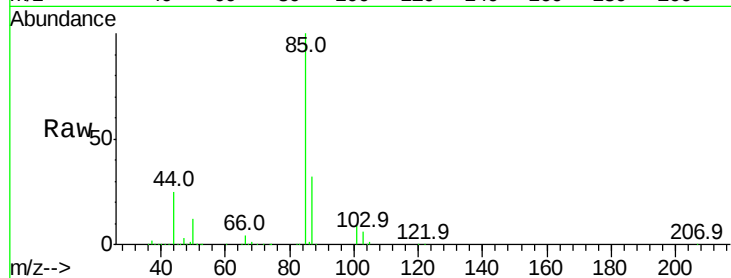
VSTD10095

Tgt Ion: 85 Resp: 508627

Ion Ratio Lower Upper

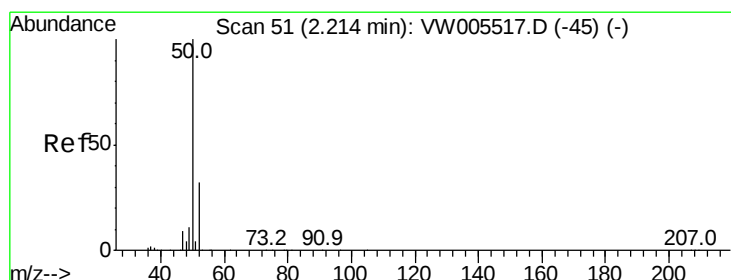
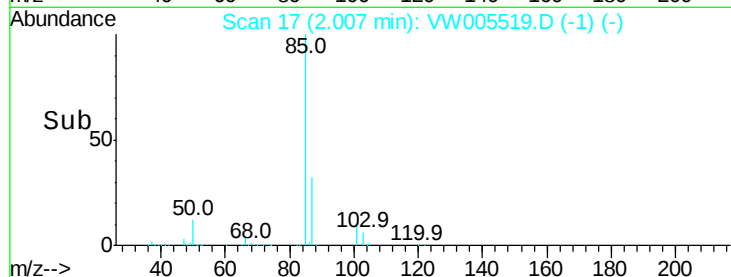
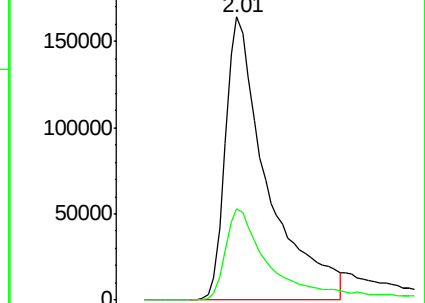
85 100

87 33.2 21.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 77.045 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005519.D

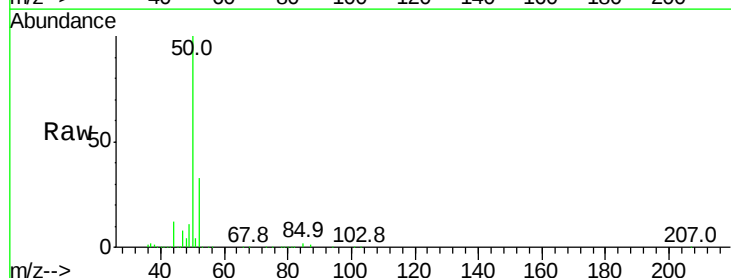
Acq: 19 Sep 2018 17:07

Tgt Ion: 50 Resp: 553306

Ion Ratio Lower Upper

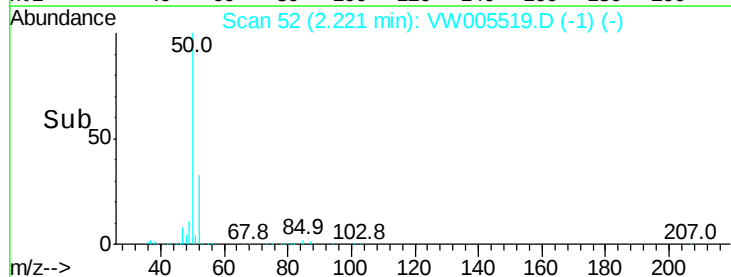
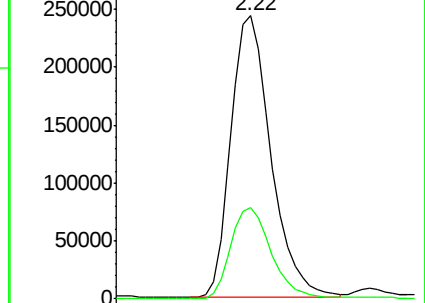
50 100

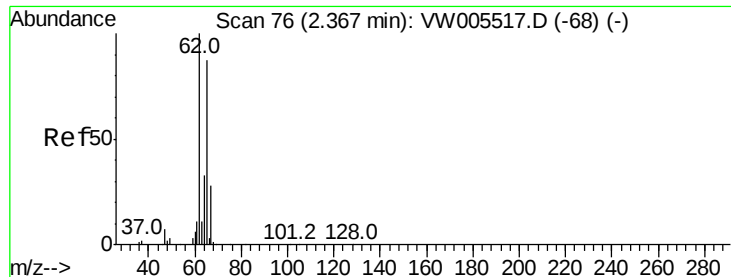
52 32.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 85.006 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

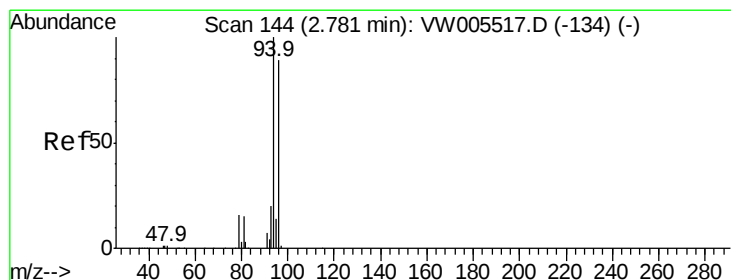
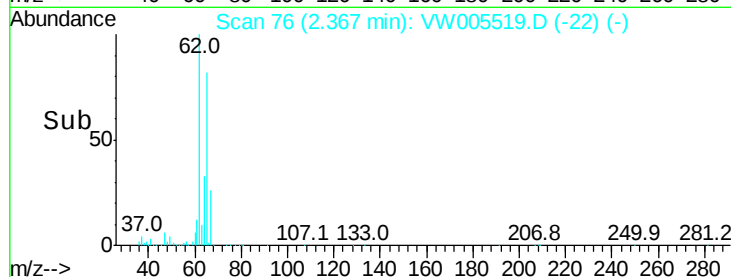
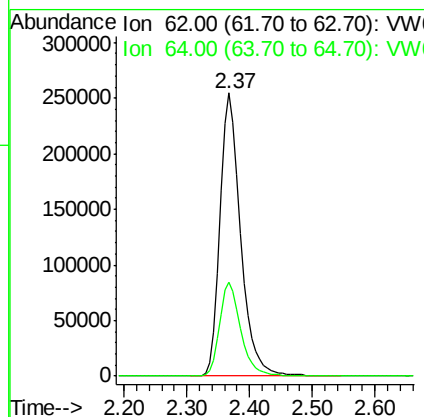
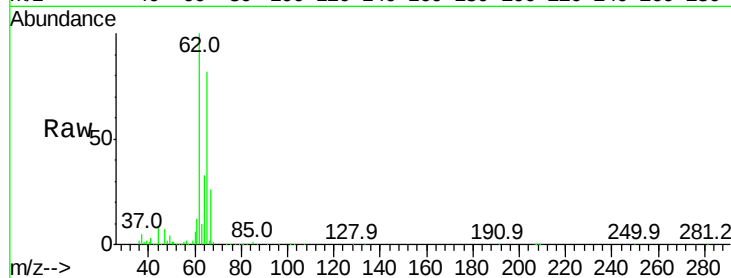
VSTD10095

Tgt Ion: 62 Resp: 581623

Ion Ratio Lower Upper

62 100

64 33.4 22.9 42.5



#6

Bromomethane

Concen: 90.048 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW005519.D

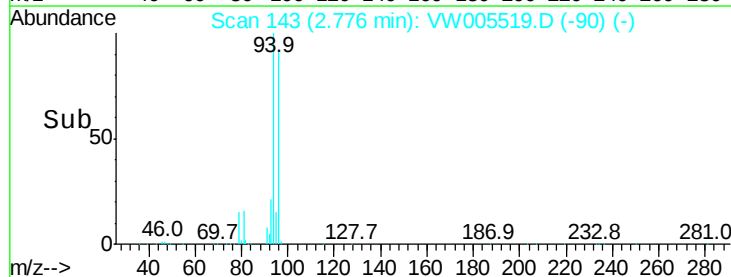
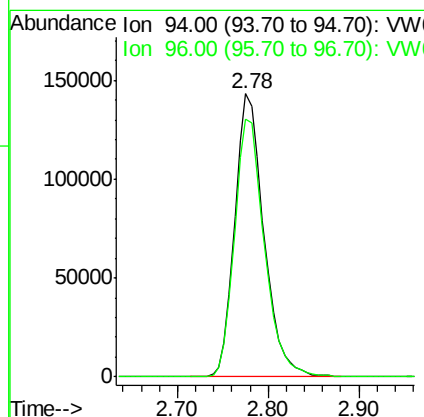
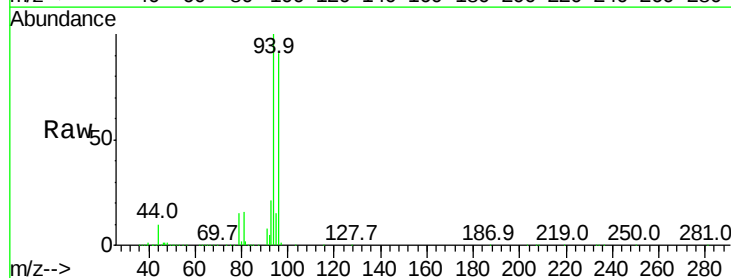
Acq: 19 Sep 2018 17:07

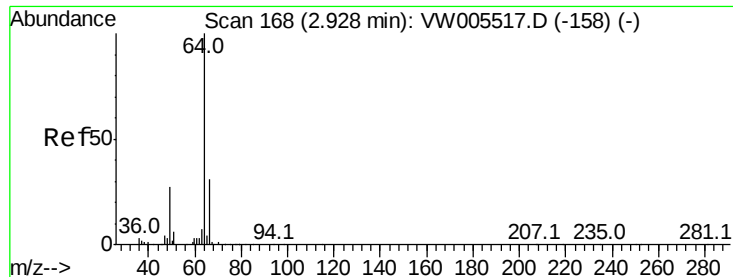
Tgt Ion: 94 Resp: 319207

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.6

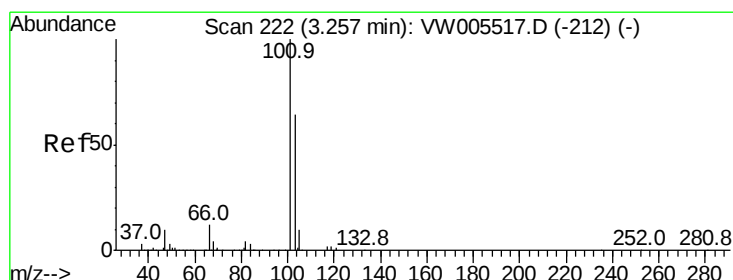
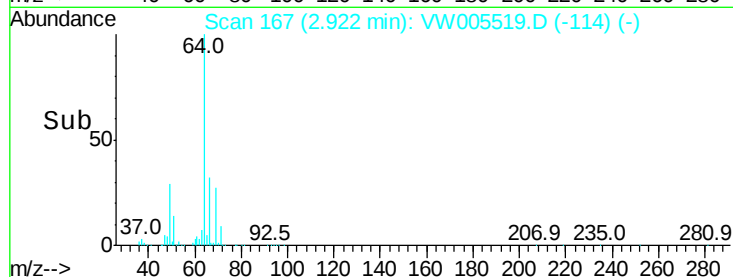
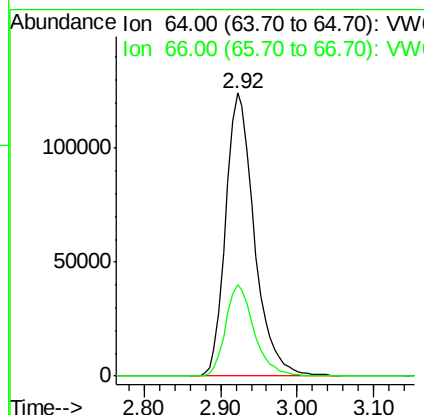
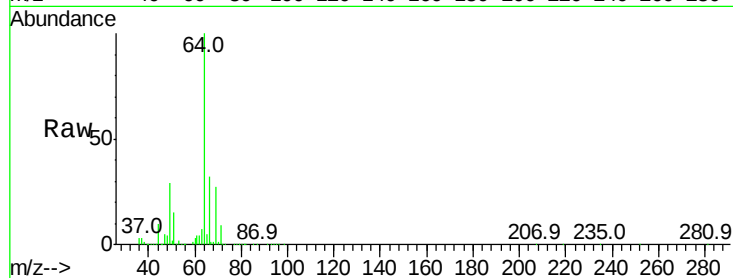




#8
Chloroethane
Concen: 89.085 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

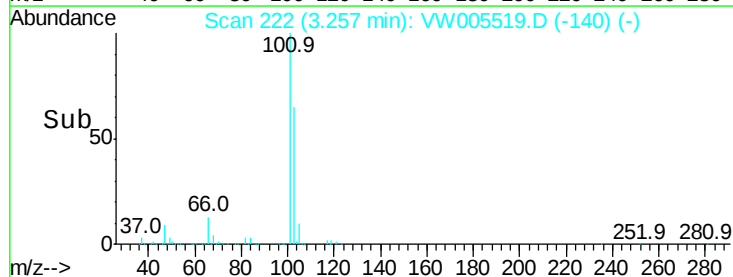
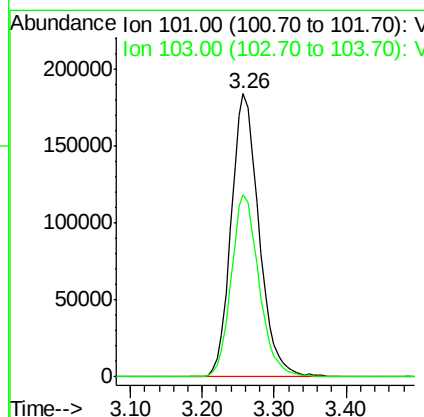
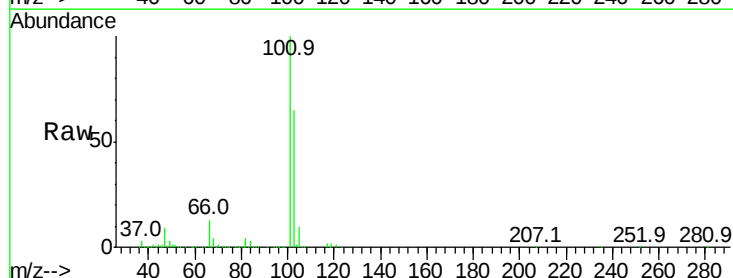
Instrument :
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VSTD10095

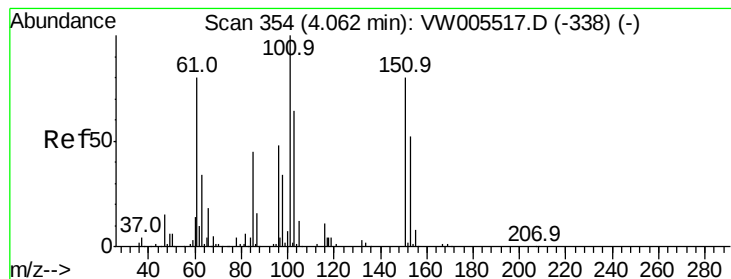
Tgt Ion: 64 Resp: 323750
Ion Ratio Lower Upper
64 100
66 32.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 55.674 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

Tgt Ion: 101 Resp: 496131
Ion Ratio Lower Upper
101 100
103 64.2 45.3 84.1





#11

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

Concen: 105.055 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD10095

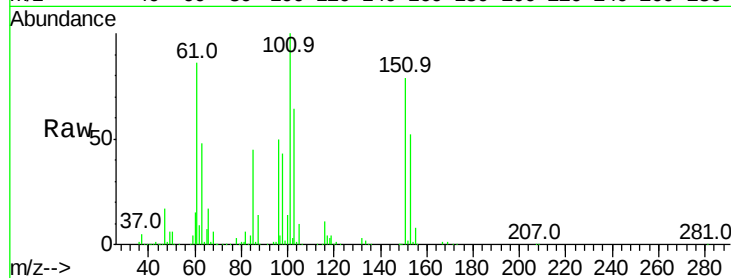
Tgt Ion: 101 Resp: 511431

Ion Ratio Lower Upper

101 100

85 42.7 34.7 52.1

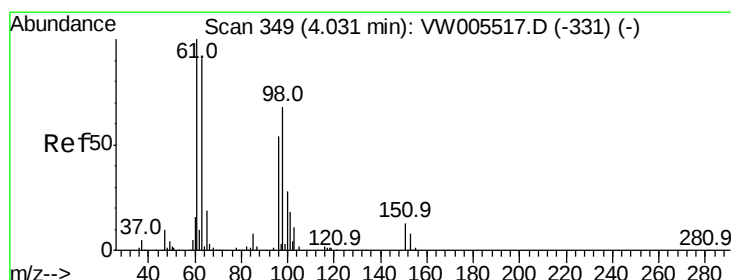
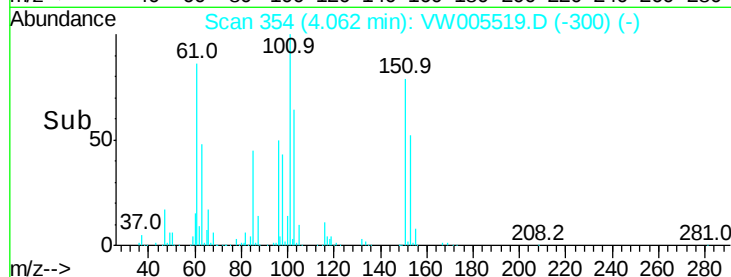
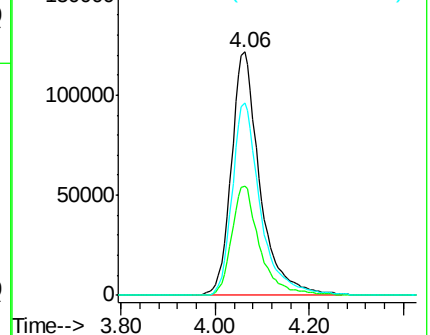
151 77.8 61.1 91.7



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: 117.722 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

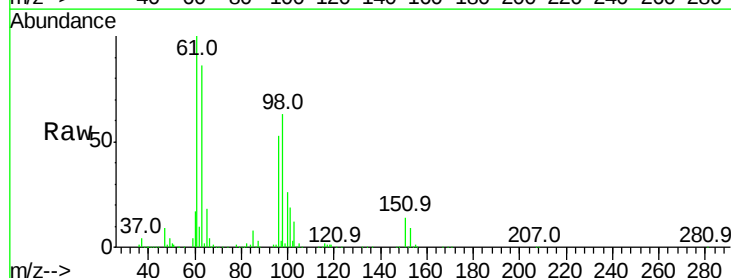
Tgt Ion: 96 Resp: 484706

Ion Ratio Lower Upper

96 100

61 188.8 129.5 240.5

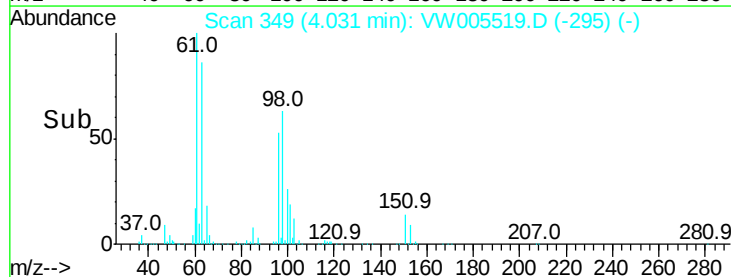
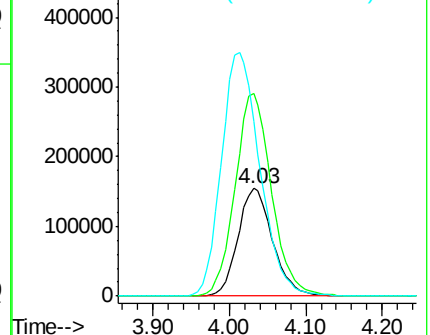
63 162.6 117.5 218.3

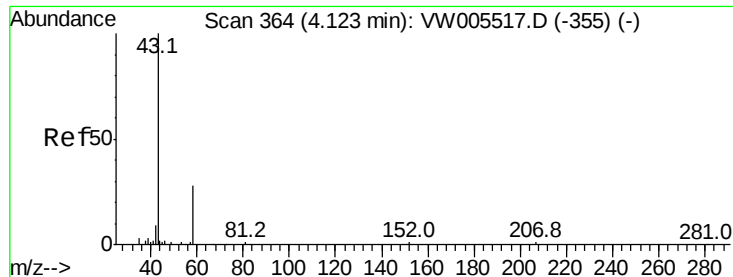


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 194.995 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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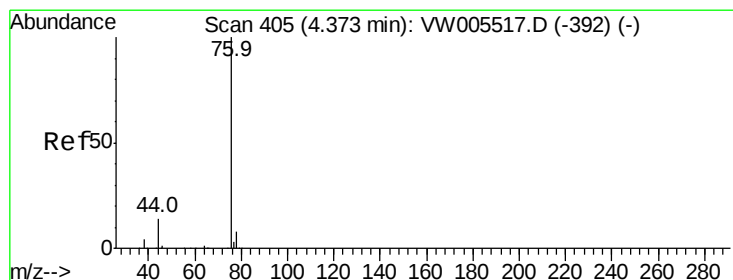
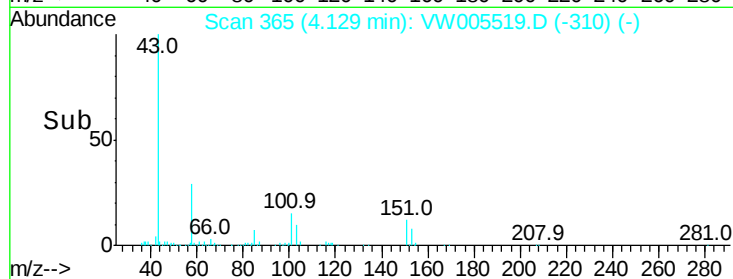
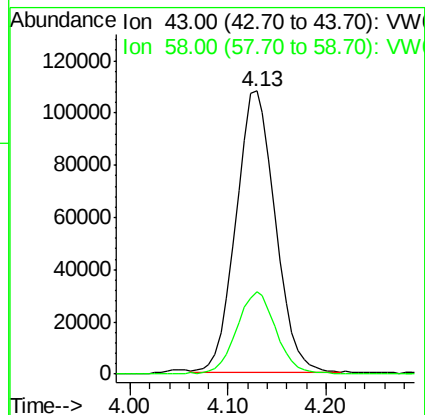
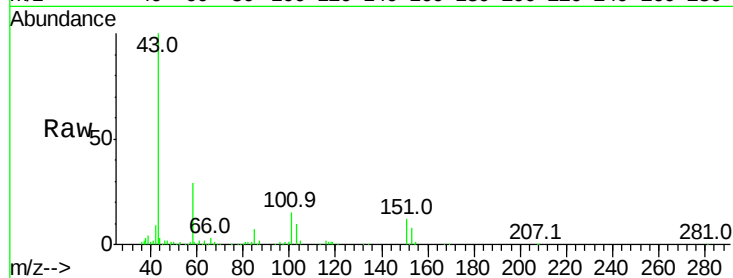
VSTD10095

Tgt Ion: 43 Resp: 301082

Ion Ratio Lower Upper

43 100

58 29.3 0.0 59.2



#14

Carbon disulfide

Concen: 96.136 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005519.D

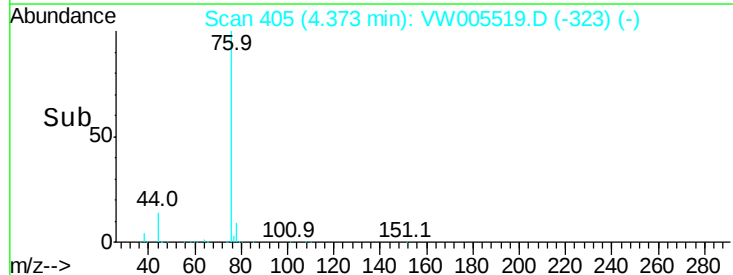
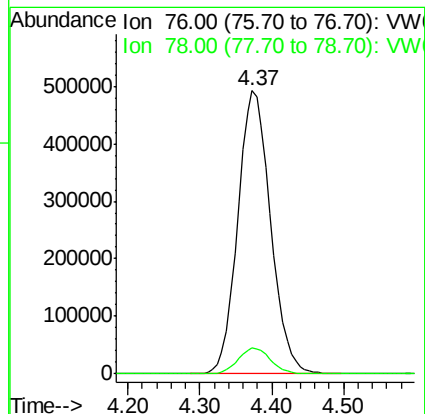
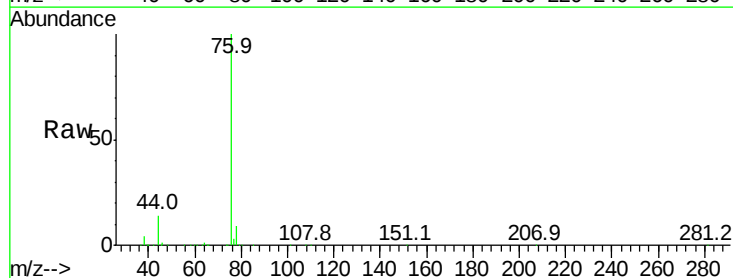
Acq: 19 Sep 2018 17:07

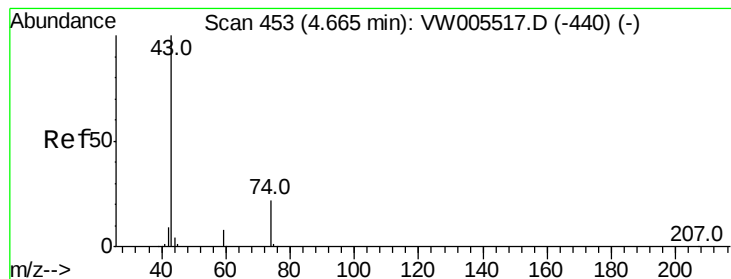
Tgt Ion: 76 Resp: 1553997

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1





#15

Methyl Acetate

Concen: 112.033 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

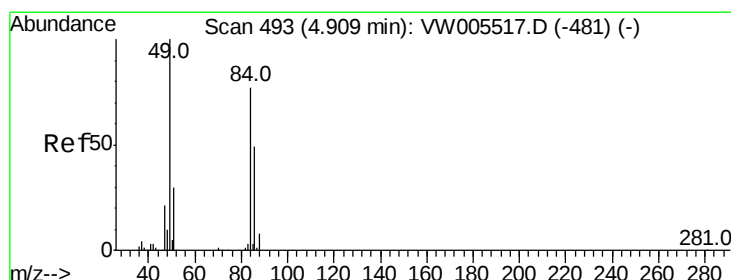
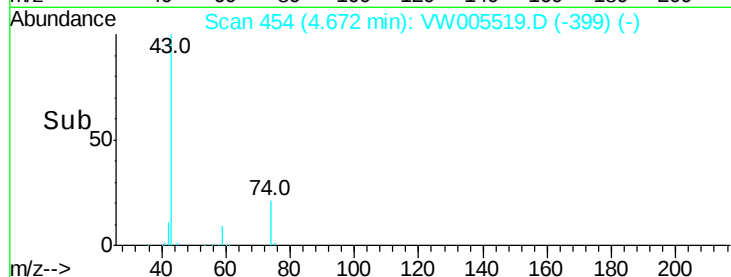
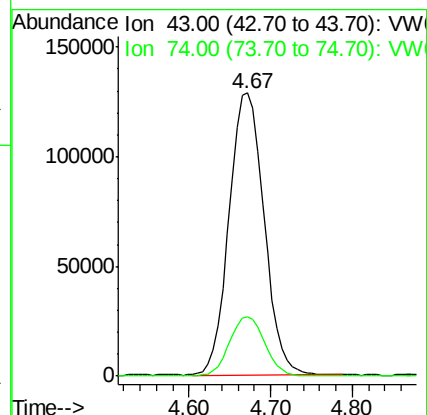
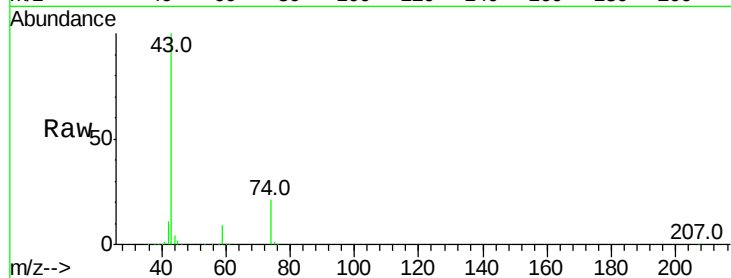
VSTD10095

Tgt Ion: 43 Resp: 381635

Ion Ratio Lower Upper

43 100

74 21.3 17.3 25.9



#16

Methylene chloride

Concen: 66.825 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

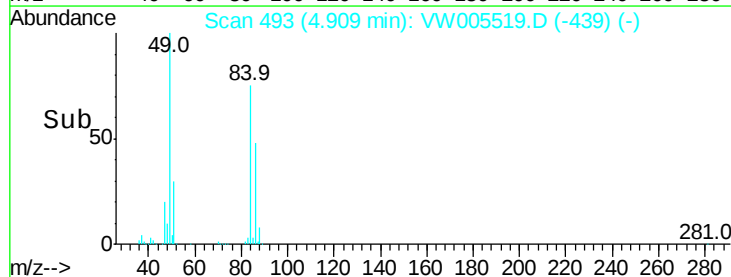
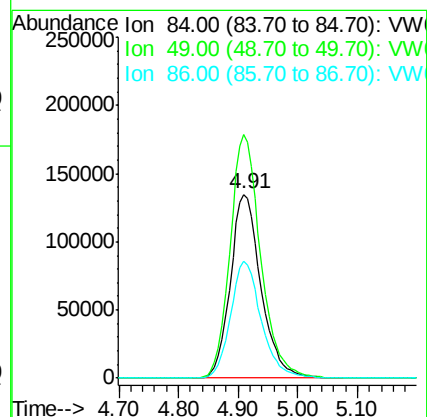
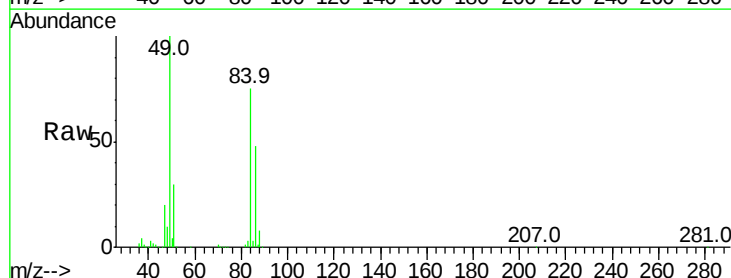
Tgt Ion: 84 Resp: 480120

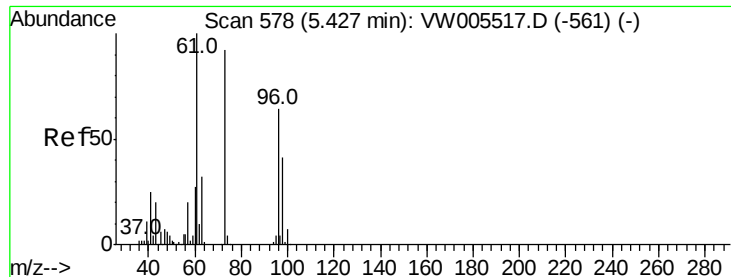
Ion Ratio Lower Upper

84 100

49 132.6 91.5 169.9

86 63.4 44.8 83.2

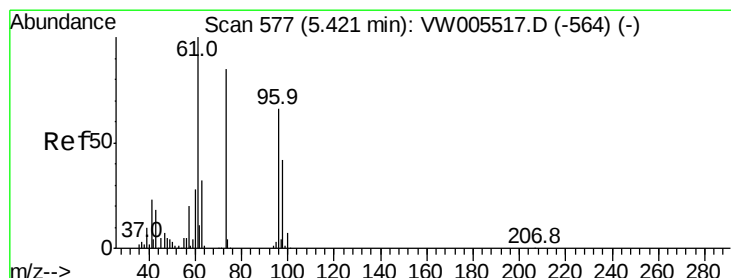
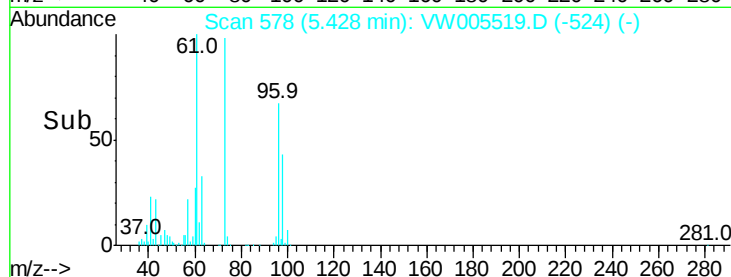
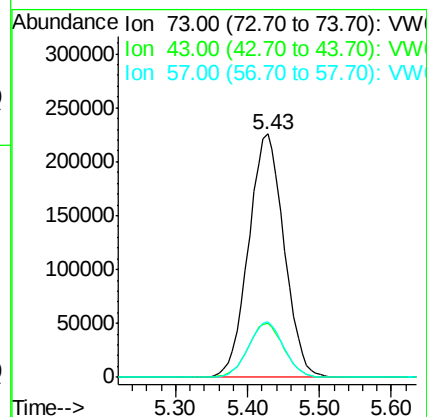
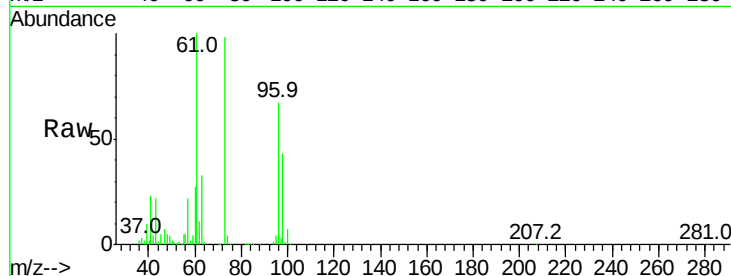




#17
Methyl tert-butyl Ether
Concen: 67.476 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

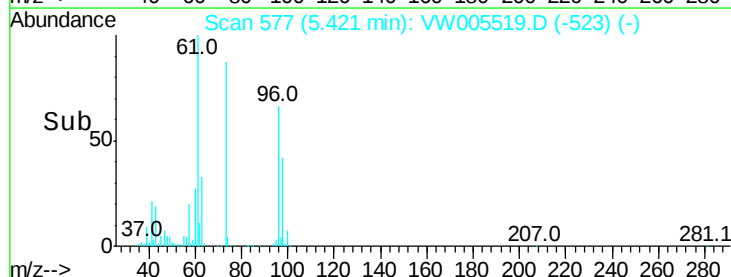
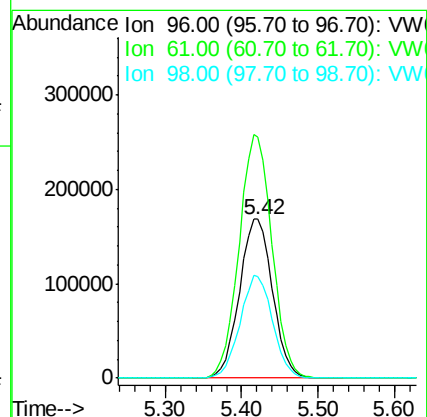
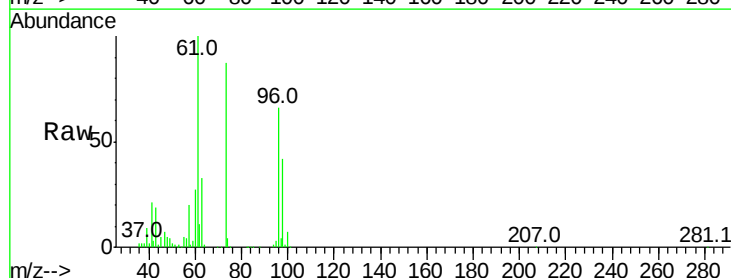
Instrument :
MSVOA_W
ClientSampleId :
VSTD10095

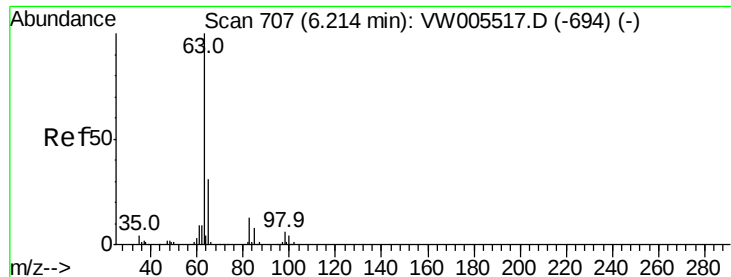
Tgt Ion: 73 Resp: 771244
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4
57 22.7 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 109.751 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

Tgt Ion: 96 Resp: 504585
Ion Ratio Lower Upper
96 100
61 151.8 105.4 195.8
98 64.3 44.1 81.9





#19

1,1-Dichloroethane

Concen: 112.381 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD10095

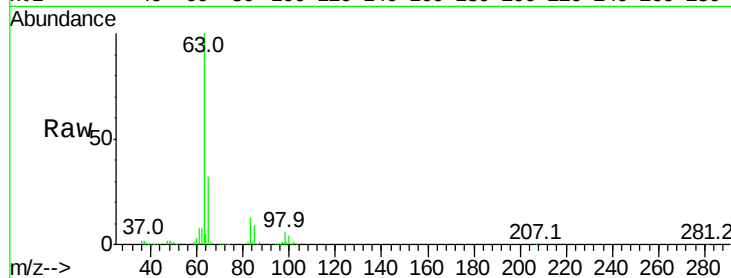
Tgt Ion: 63 Resp: 944165

Ion Ratio Lower Upper

63 100

65 31.7 21.4 39.8

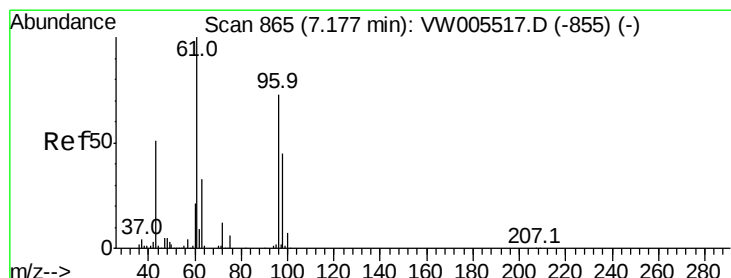
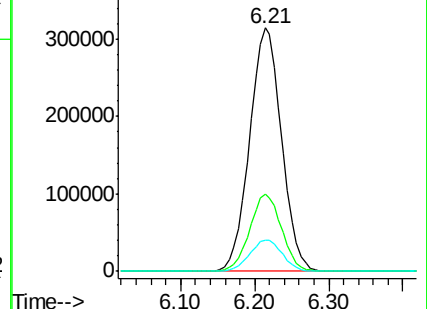
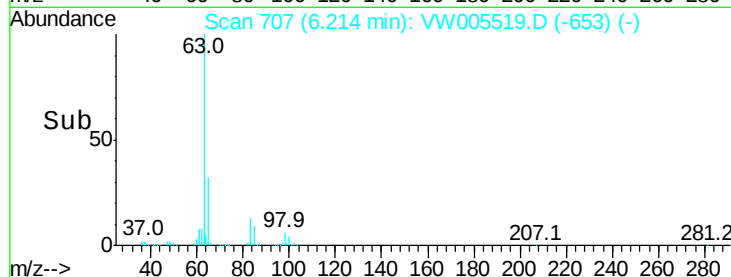
83 12.9 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 214.713 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005519.D

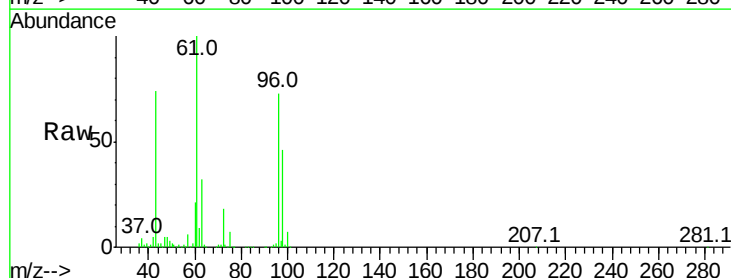
Acq: 19 Sep 2018 17:07

Tgt Ion: 43 Resp: 508075

Ion Ratio Lower Upper

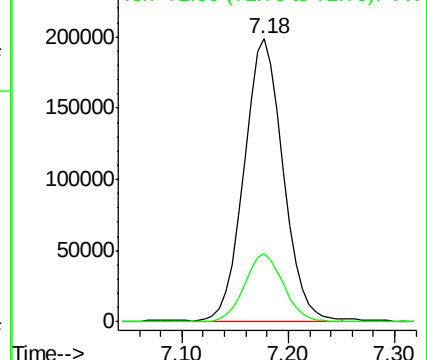
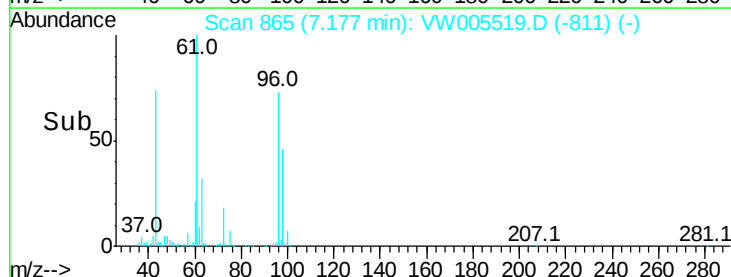
43 100

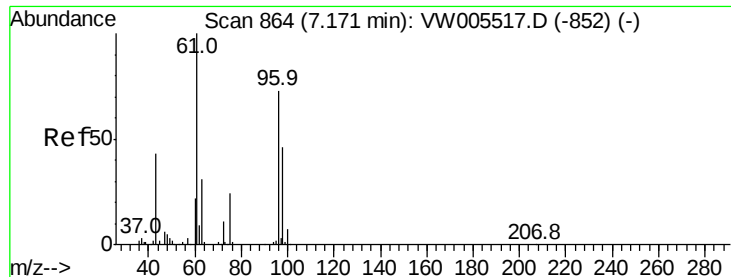
72 24.2 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



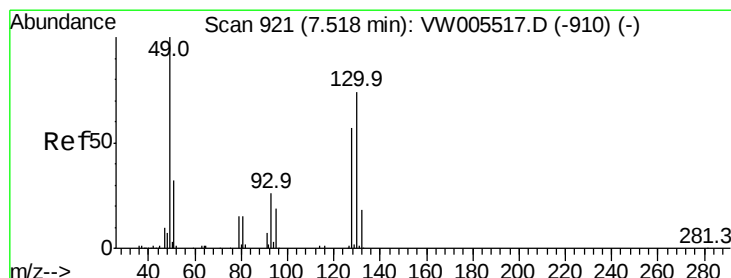
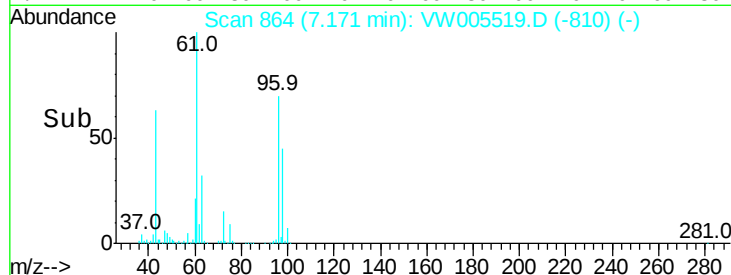
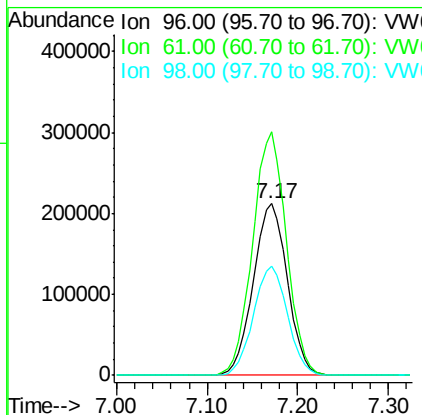
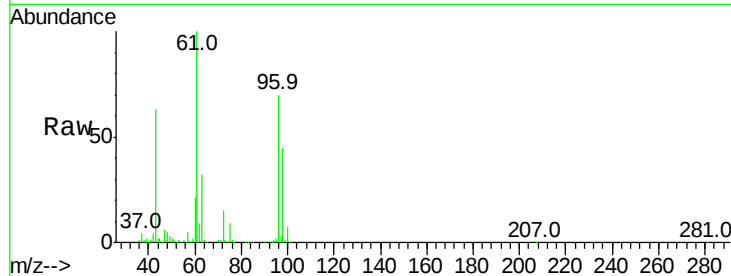


#22

cis-1,2-Dichloroethene
 Concen: 112.467 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10095

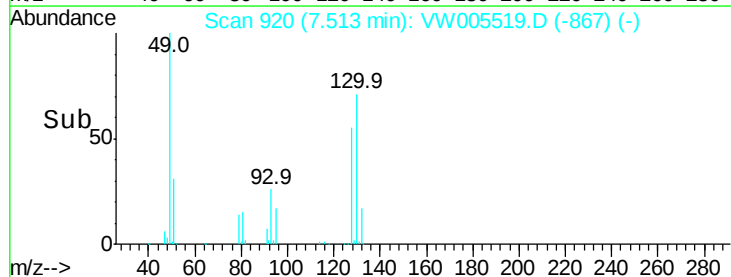
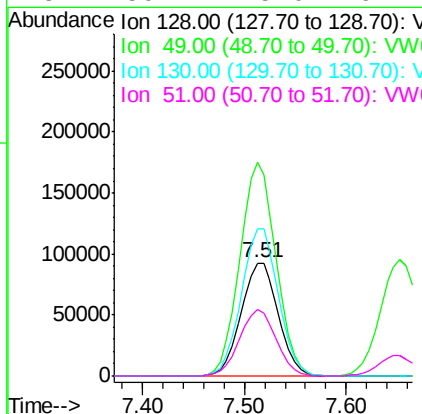
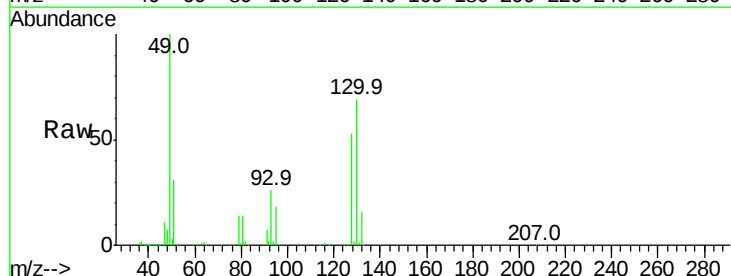
Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	96.5	179.1
98	63.9	44.1	81.9

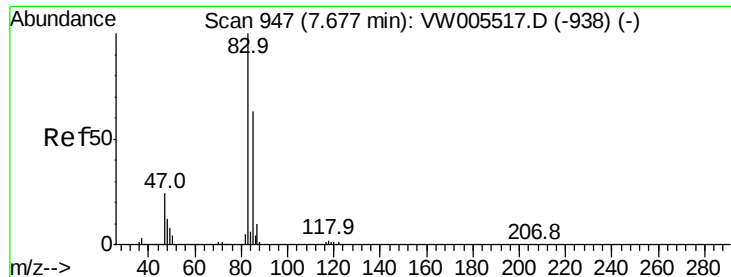


#23

Bromochloromethane
 Concen: 102.637 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.5	122.0	226.6
130	130.4	89.9	167.0
51	59.1	45.0	67.4





#25

Chloroform

Concen: 106.884 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

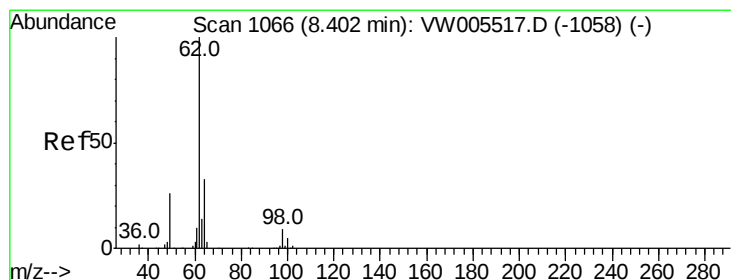
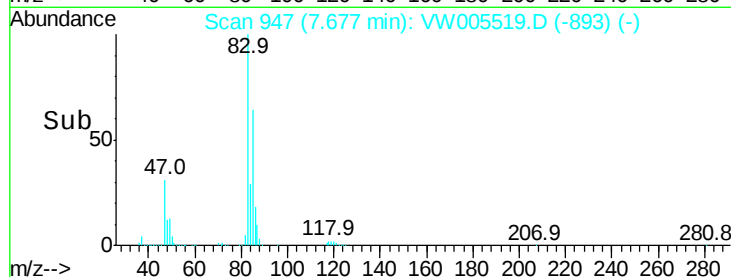
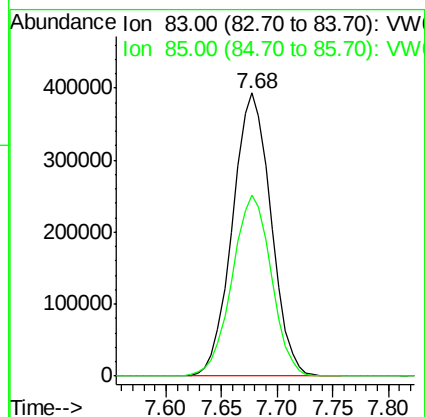
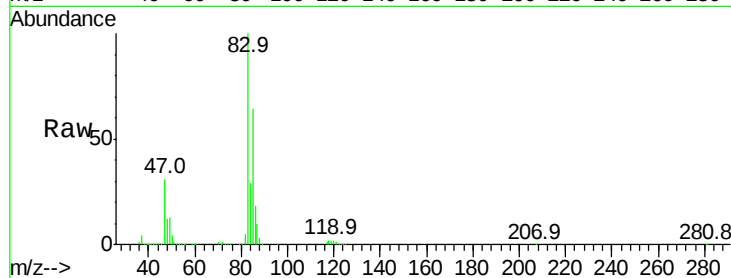
VSTD10095

Tgt Ion: 83 Resp: 944314

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 100.911 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005519.D

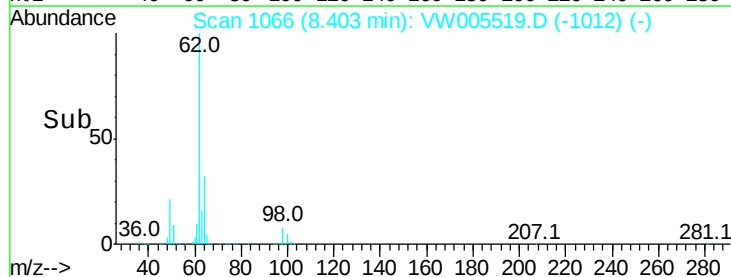
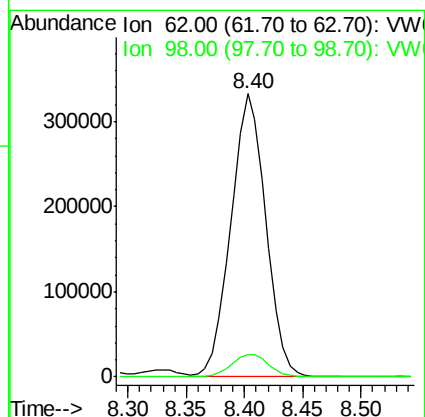
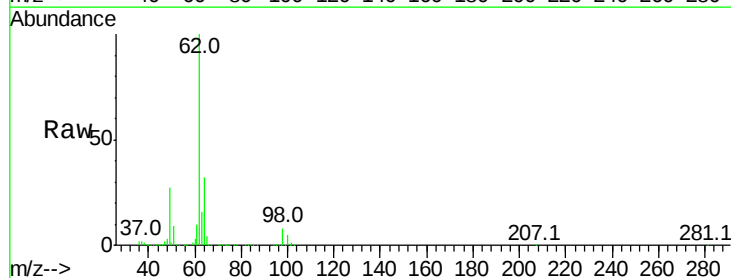
Acq: 19 Sep 2018 17:07

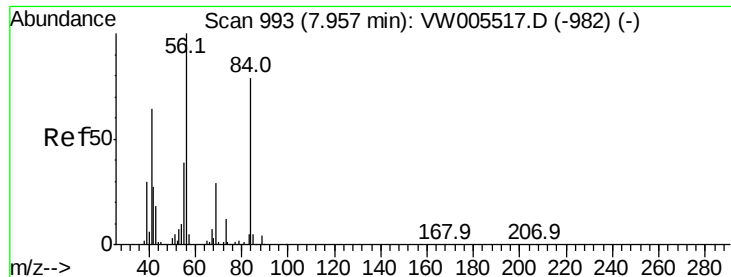
Tgt Ion: 62 Resp: 692060

Ion Ratio Lower Upper

62 100

98 8.1 6.8 10.2

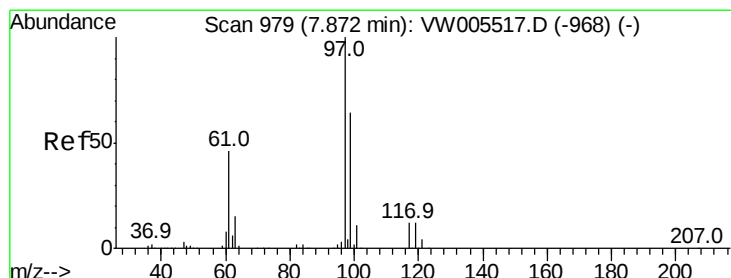
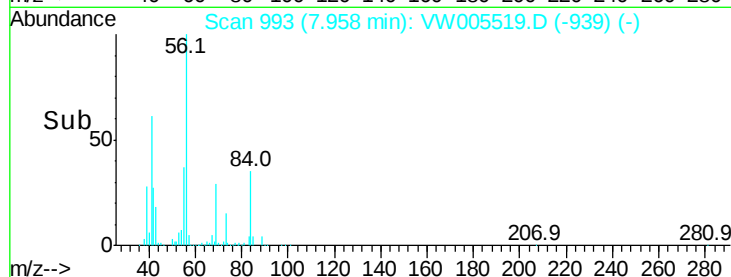
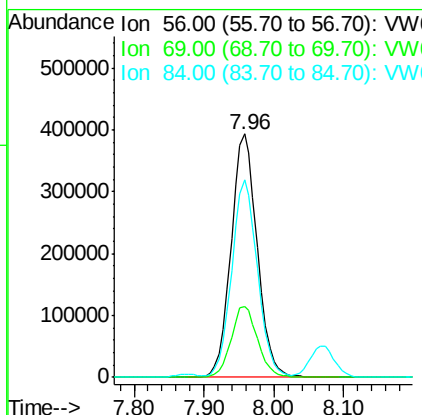
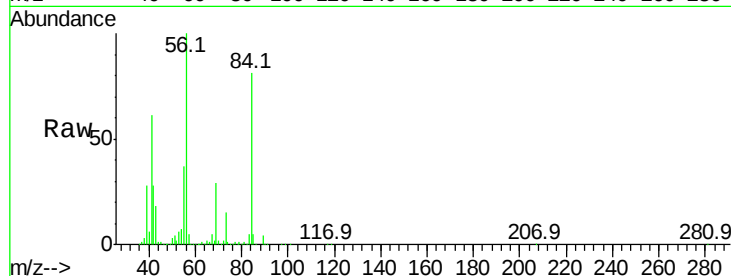




#30
Cyclohexane
Concen: 131.353 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

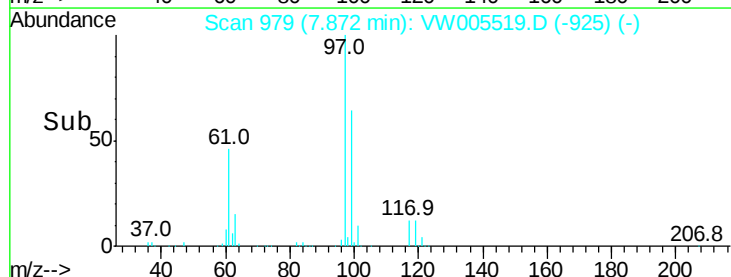
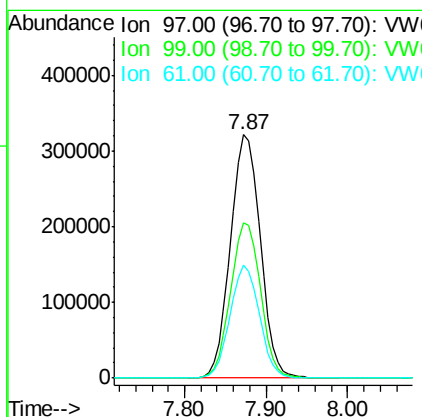
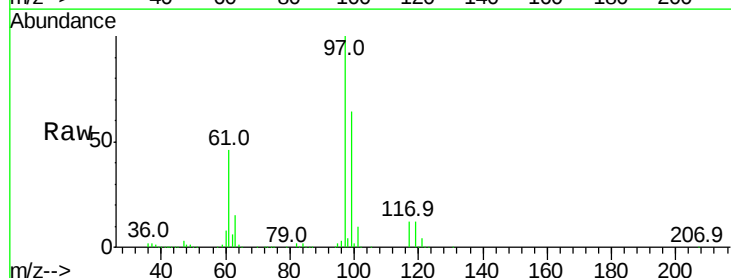
Instrument :
MSVOA_W
ClientSampleId :
VSTD10095

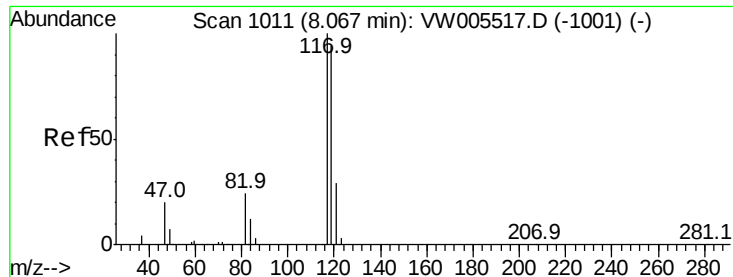
Tgt Ion: 56 Resp: 1019830
Ion Ratio Lower Upper
56 100
69 29.5 23.6 35.4
84 80.3 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 104.511 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

Tgt Ion: 97 Resp: 817058
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 45.3 37.0 55.4





#32

Carbon tetrachloride

Concen: 109.332 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

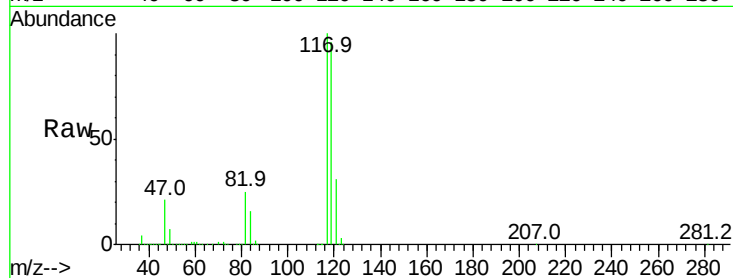
VSTD10095

Tgt Ion:117 Resp: 792975

Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

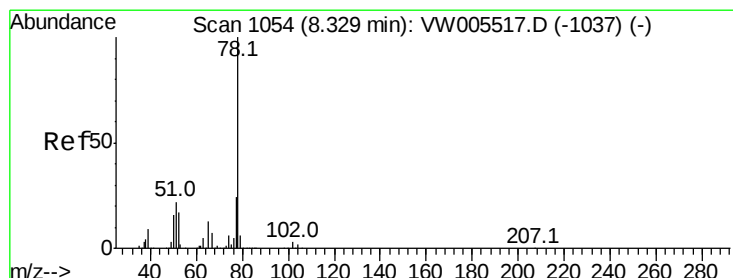
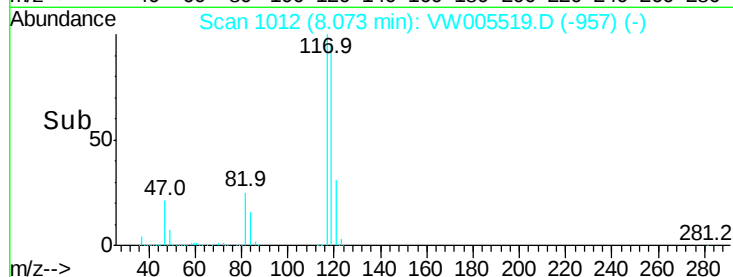
300000

200000

100000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 110.660 ug/L

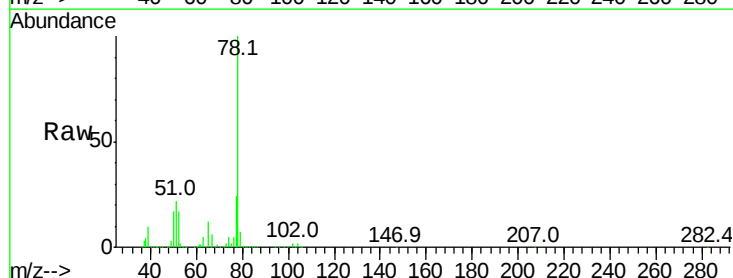
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Tgt Ion: 78 Resp: 2119883



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

1000000

800000

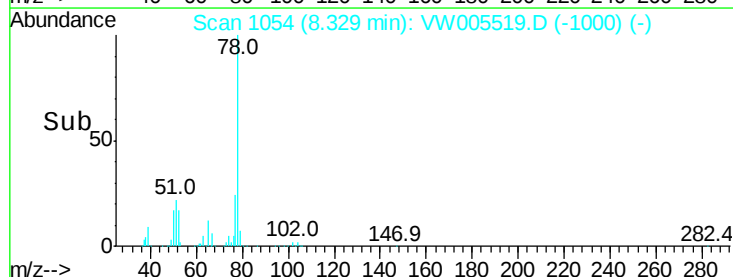
600000

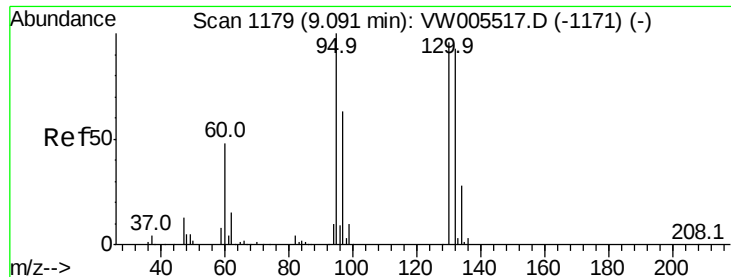
400000

200000

0

Time--> 8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 108.689 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD10095

Tgt Ion: 95 Resp: 552633

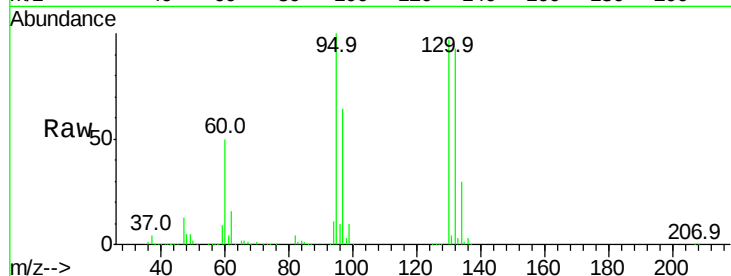
Ion Ratio Lower Upper

95 100

97 64.8 45.0 83.6

132 95.4 66.4 123.2

130 98.3 68.6 127.4

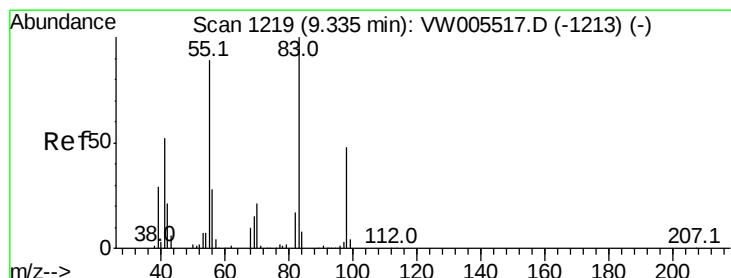
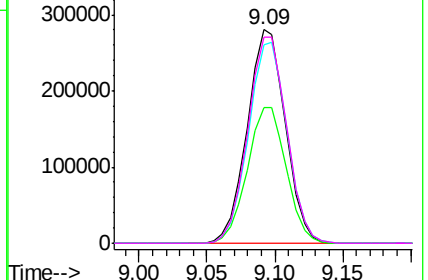
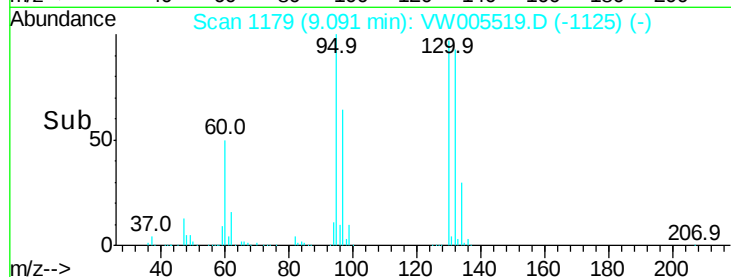


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 121.885 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

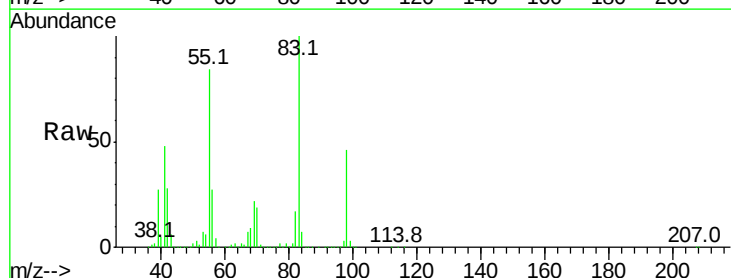
Tgt Ion: 83 Resp: 1075637

Ion Ratio Lower Upper

83 100

55 82.0 66.4 99.6

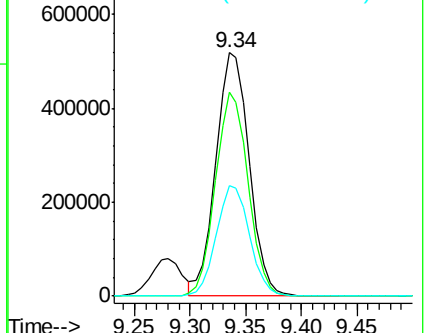
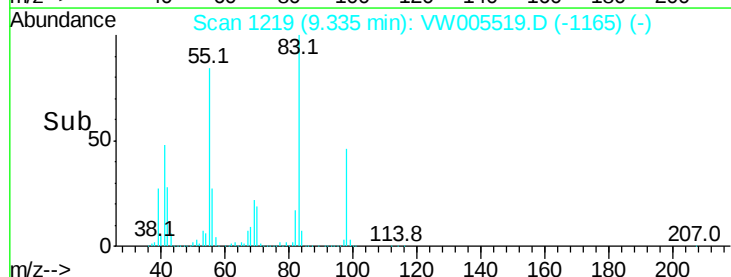
98 45.2 36.3 54.5

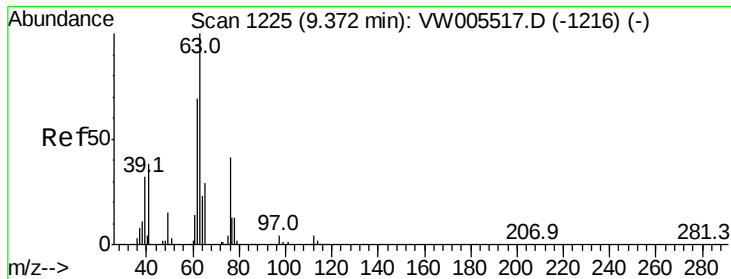


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 116.942 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

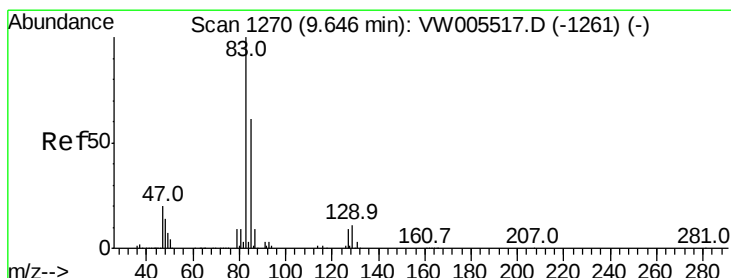
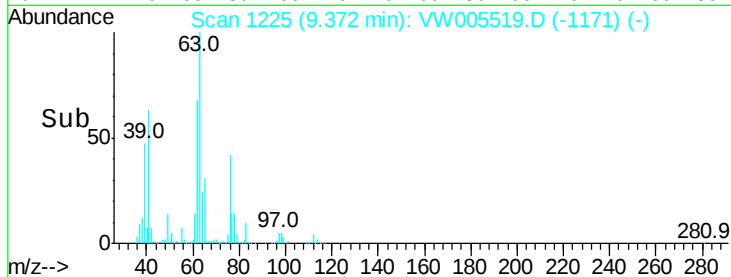
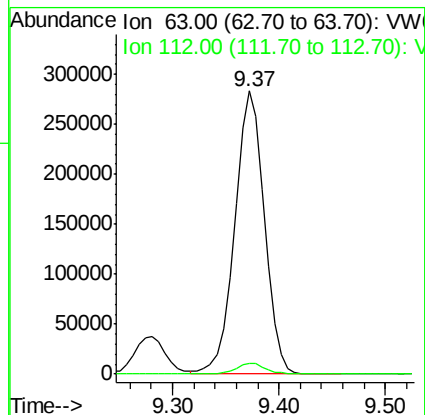
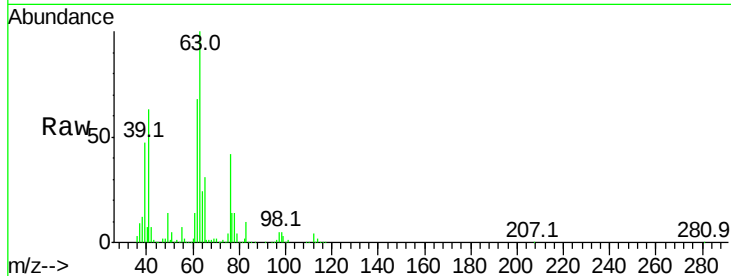
VSTD10095

Tgt Ion: 63 Resp: 553042

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#41

Bromodichloromethane

Concen: 113.560 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

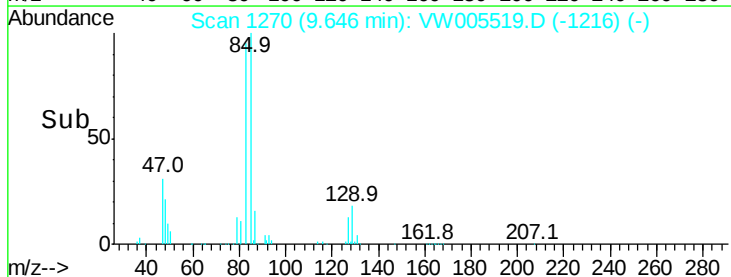
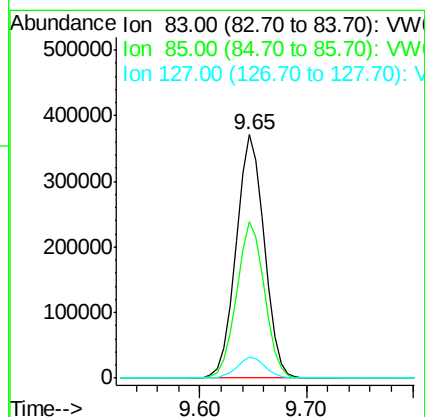
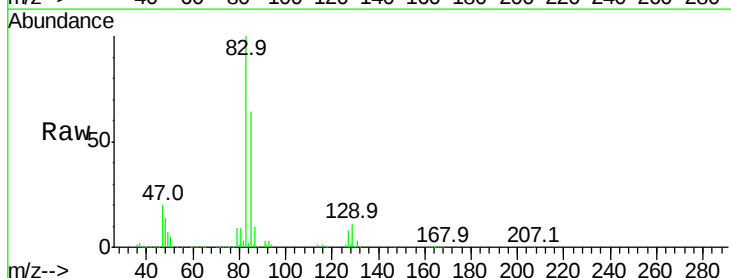
Tgt Ion: 83 Resp: 688433

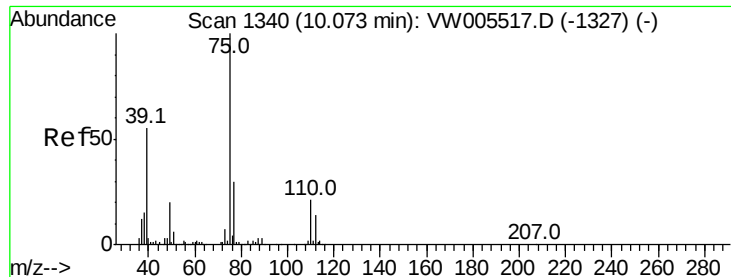
Ion Ratio Lower Upper

83 100

85 64.1 43.0 80.0

127 8.3 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 122.836 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

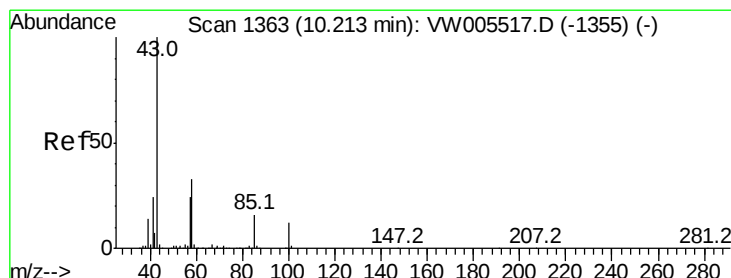
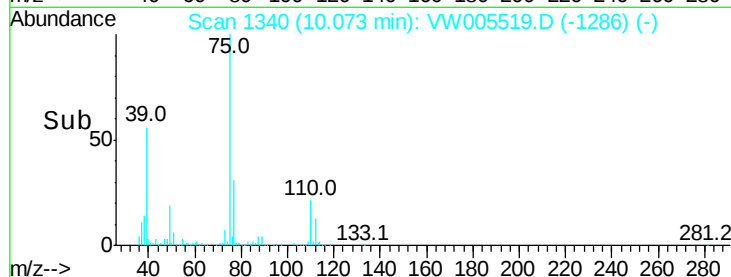
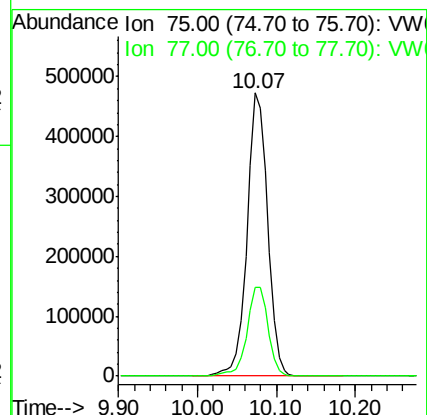
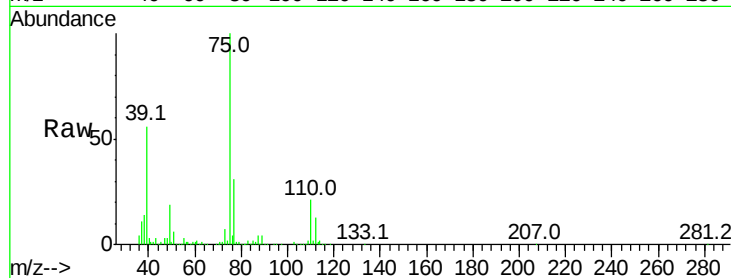
VSTD10095

Tgt Ion: 75 Resp: 858048

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 244.018 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

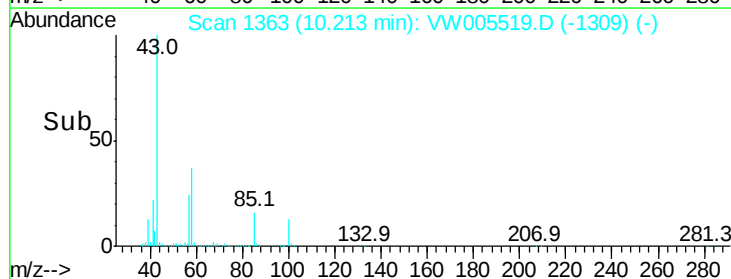
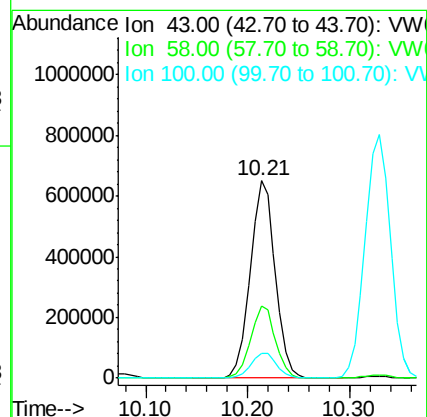
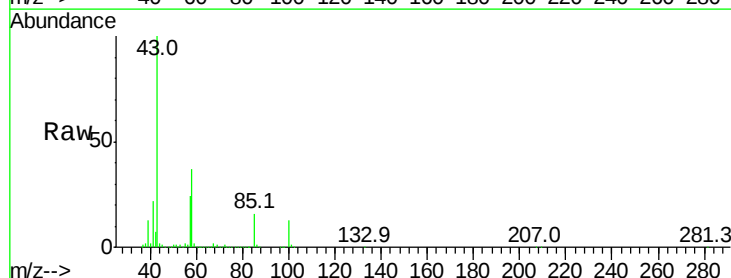
Tgt Ion: 43 Resp: 1103317

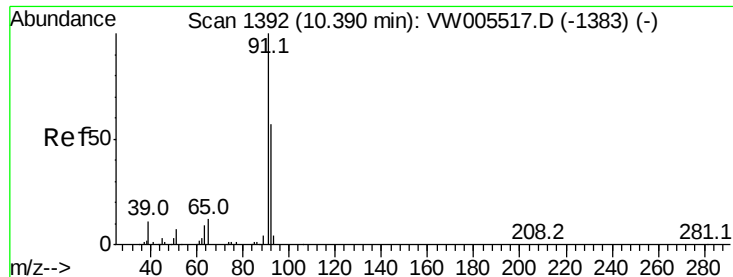
Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

100 13.3 10.8 16.2





#44

Toluene

Concen: 103.191 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

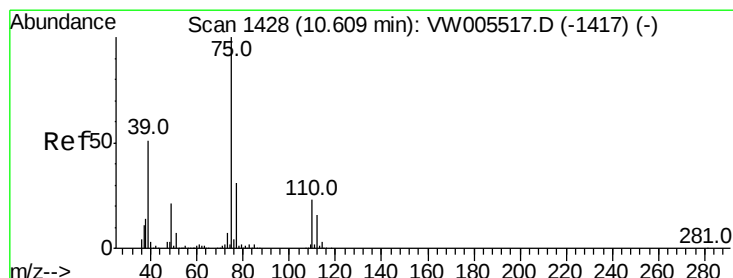
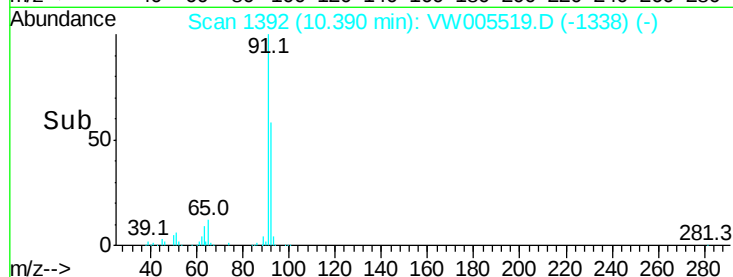
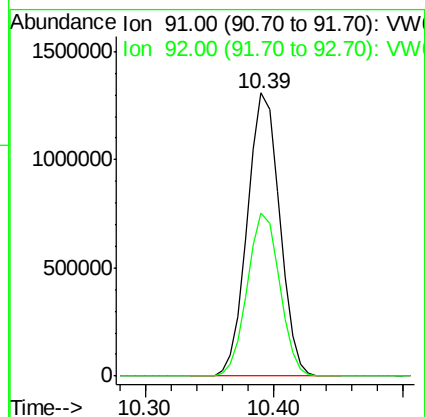
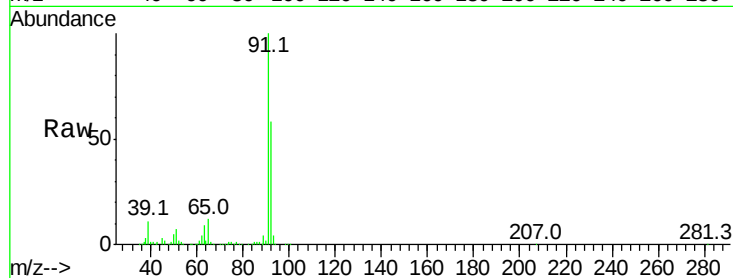
VSTD10095

Tgt Ion: 91 Resp: 2265026

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 120.130 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005519.D

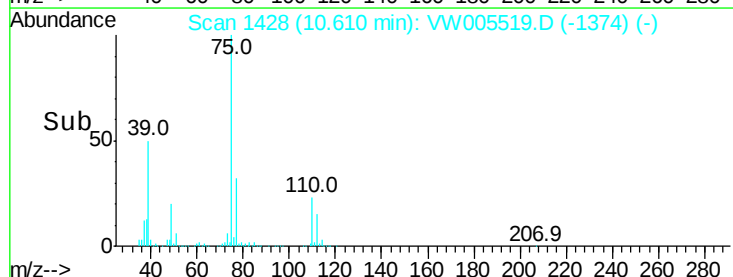
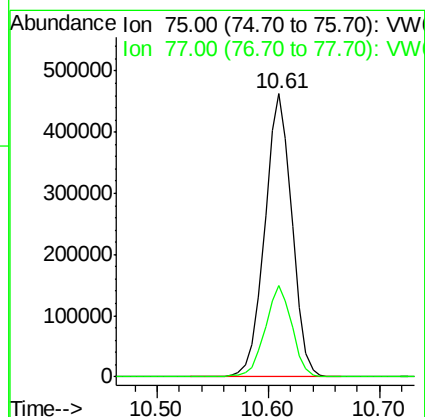
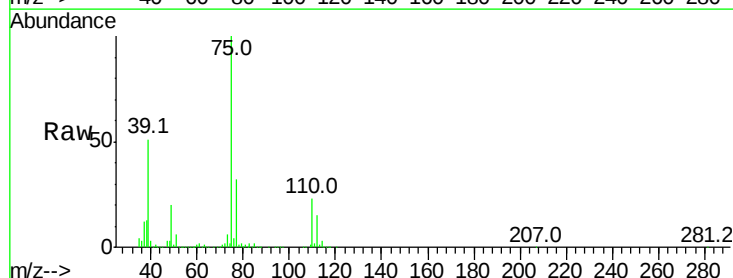
Acq: 19 Sep 2018 17:07

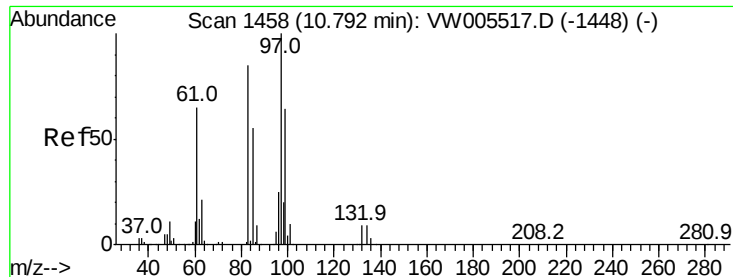
Tgt Ion: 75 Resp: 786207

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 111.334 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampled :

VSTD10095

Tgt Ion: 97 Resp: 413290

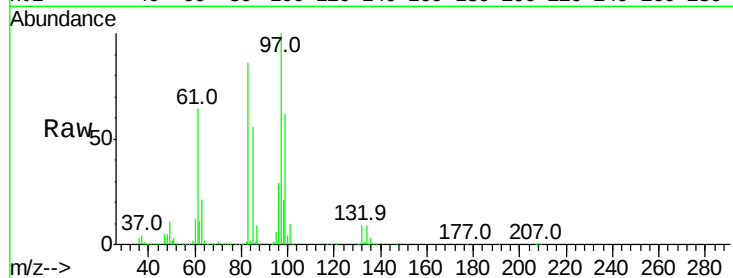
Ion Ratio Lower Upper

97 100

83 86.1 59.5 110.5

85 55.5 38.4 71.2

99 61.8 44.5 82.7

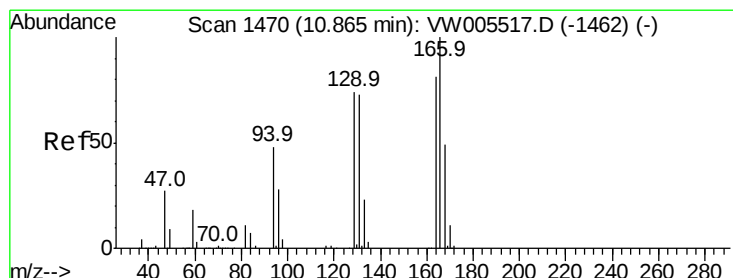
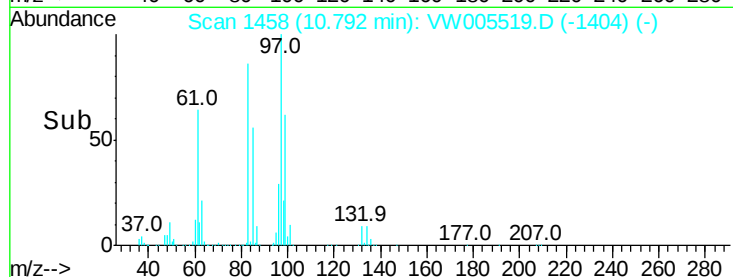
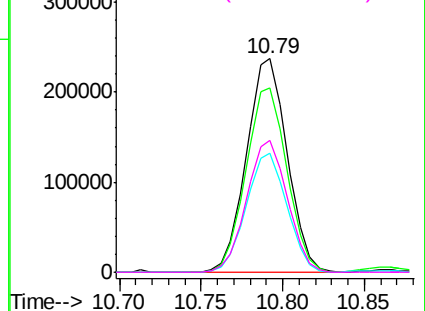


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 96.946 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Tgt Ion: 164 Resp: 446304

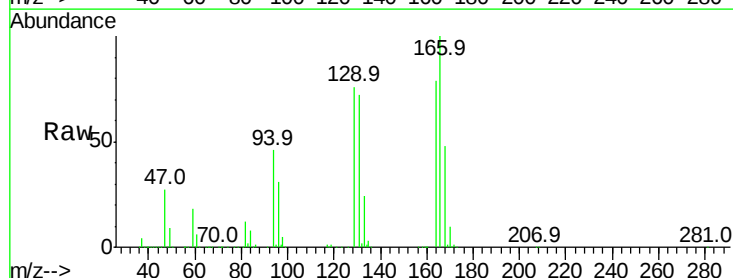
Ion Ratio Lower Upper

164 100

129 95.9 63.7 118.3

131 91.4 63.3 117.5

166 126.3 86.5 160.6

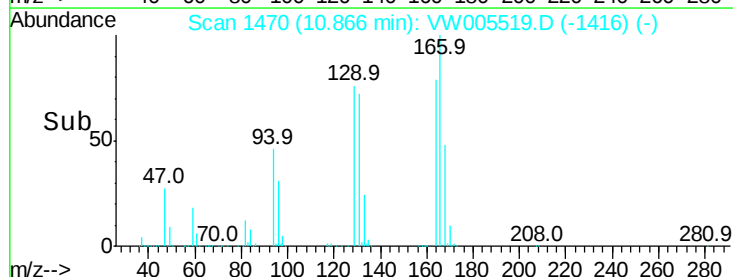
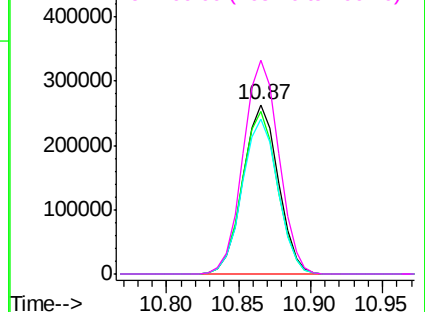


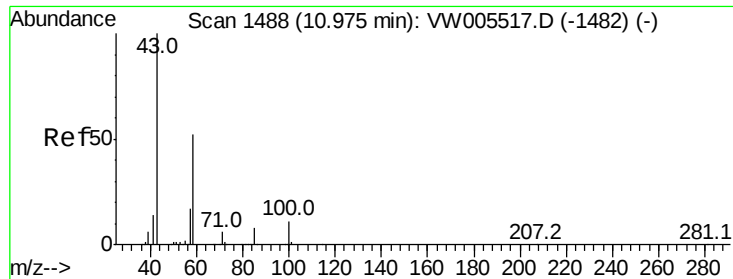
Abundance Ion 164.00 (163.70 to 164.70): V

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

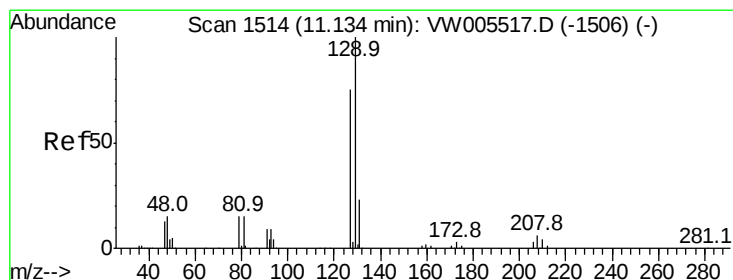
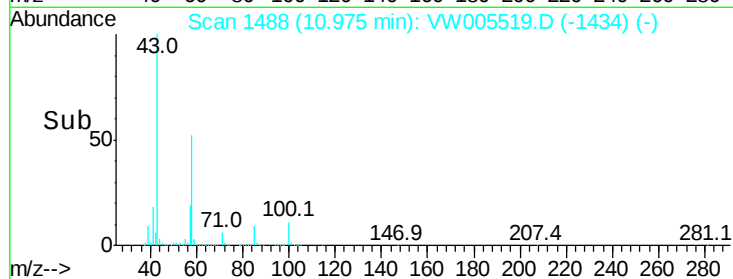
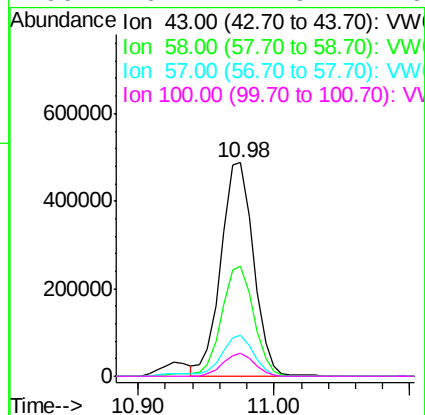
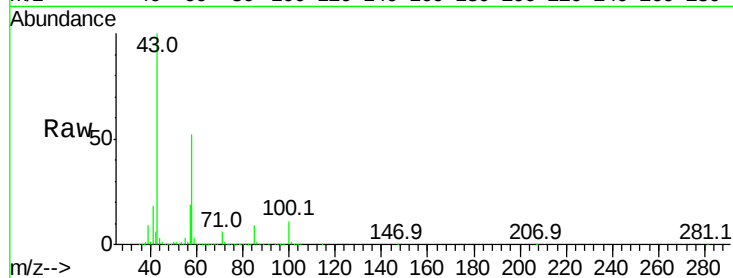




#49
2-Hexanone
Concen: 244.876 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

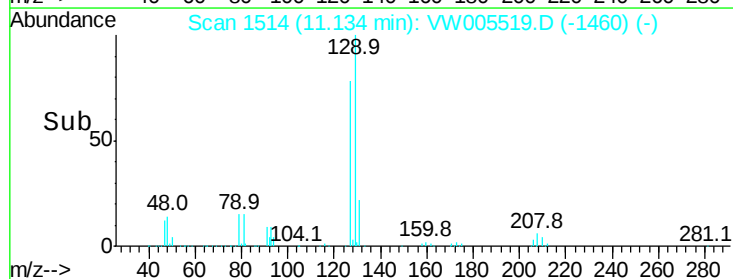
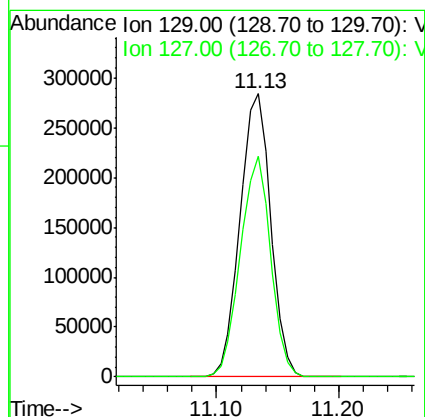
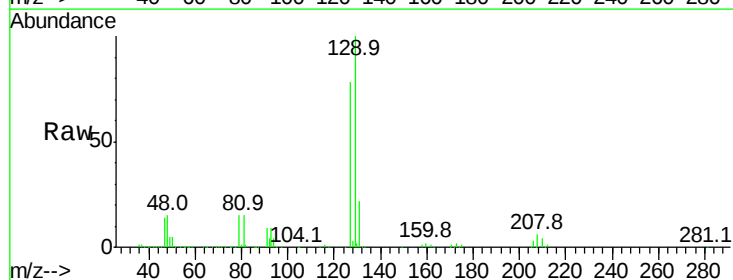
Instrument :
MSVOA_W
ClientSampleId :
VSTD10095

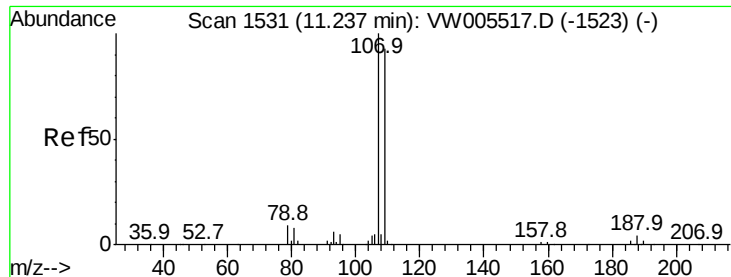
Tgt Ion:	43	Resp:	813969
Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.1	60.1
57	18.0	14.1	21.1
100	10.2	7.9	11.9



#50
Dibromochloromethane
Concen: 112.024 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

Tgt Ion:	129	Resp:	496787
Ion	Ratio	Lower	Upper
129	100		
127	77.8	52.5	97.5

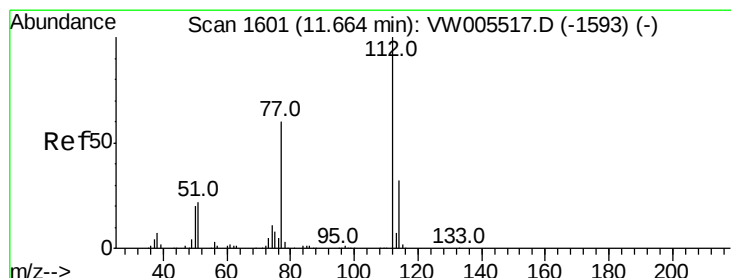
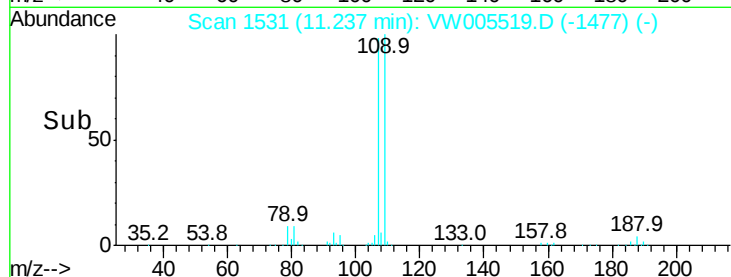
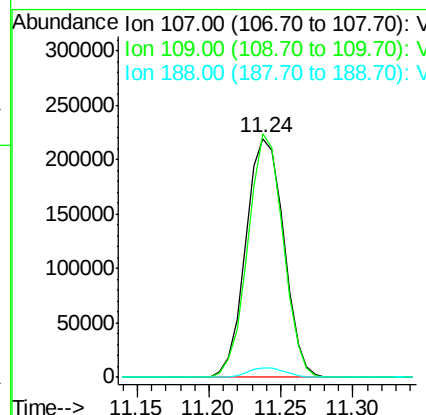
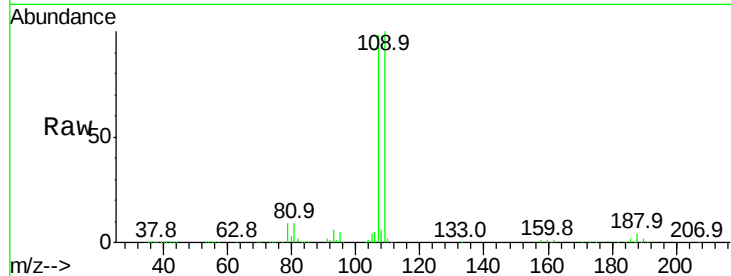




#51
1,2-Dibromoethane
Concen: 109.681 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

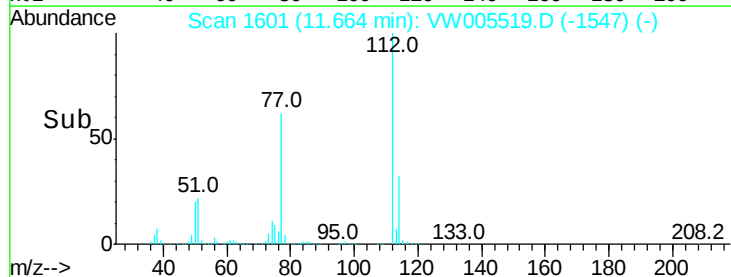
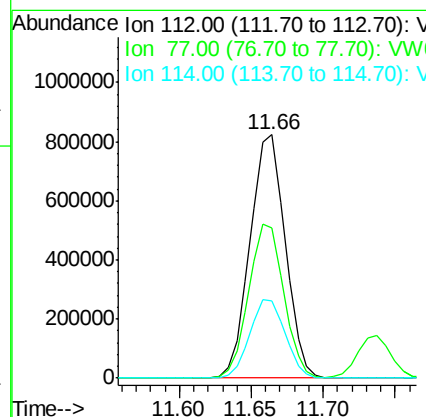
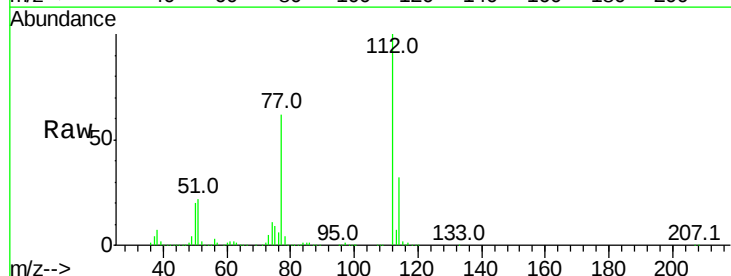
Instrument :
MSVOA_W
ClientSampleId :
VSTD10095

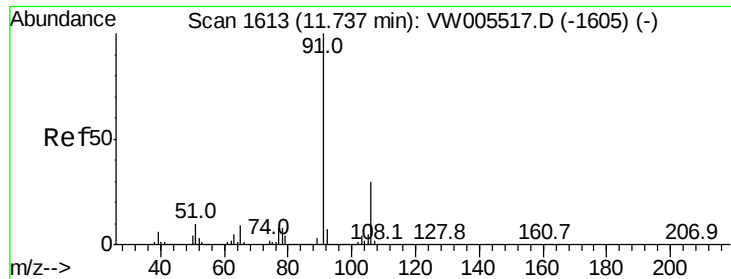
Tgt Ion	Ratio	Lower	Upper
107	100		
109	101.8	65.4	121.4
188	3.9	2.9	4.3



#52
Chlorobenzene
Concen: 97.248 ug/L
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005519.D
Acq: 19 Sep 2018 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.6	48.5	72.7
114	31.9	22.5	41.7





#53

Ethylbenzene

Concen: 103.387 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

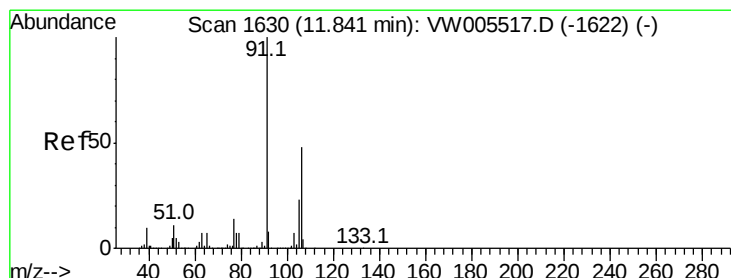
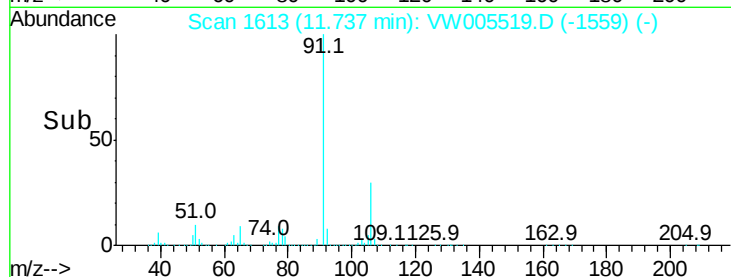
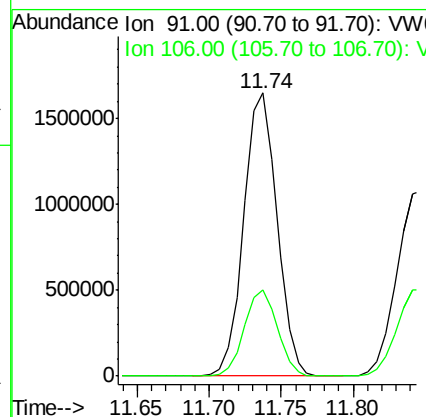
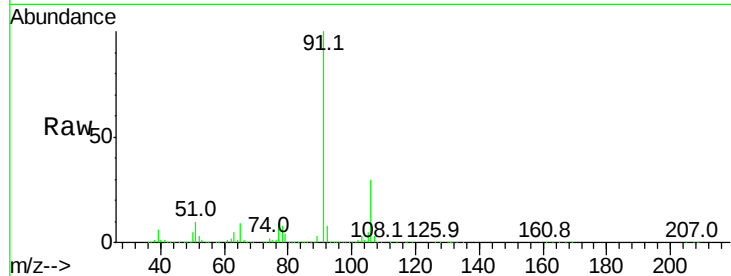
VSTD10095

Tgt Ion: 91 Resp: 2639339

Ion Ratio Lower Upper

91 100

106 30.5 20.8 38.6



#54

m,p-Xylene

Concen: 101.317 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005519.D

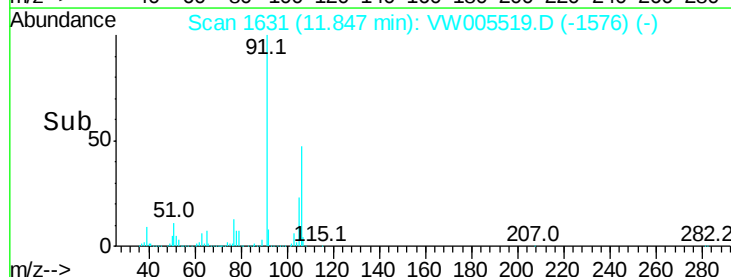
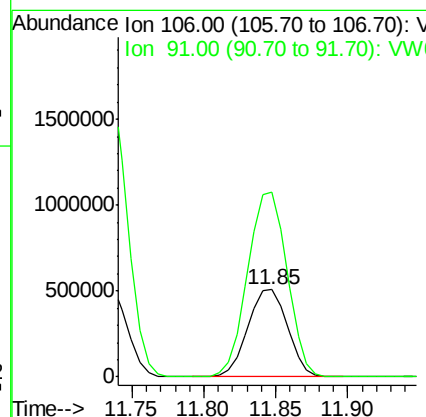
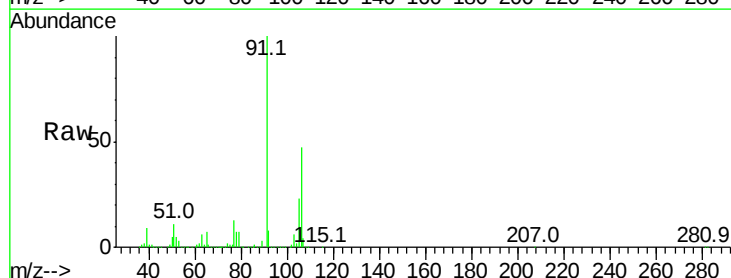
Acq: 19 Sep 2018 17:07

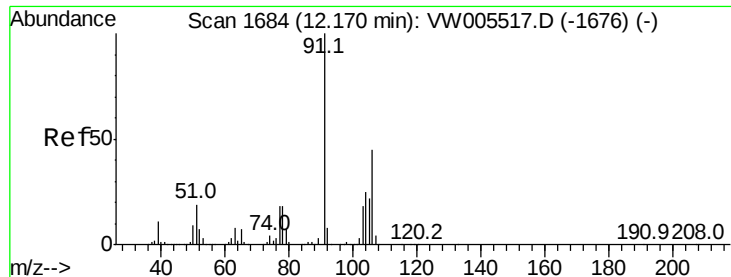
Tgt Ion: 106 Resp: 968436

Ion Ratio Lower Upper

106 100

91 211.4 144.6 268.6





#55

o-xylene

Concen: 103.348 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

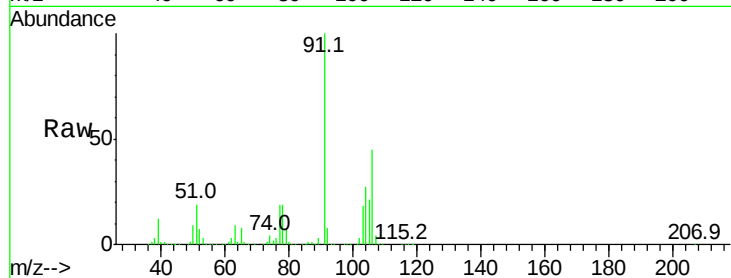
VSTD10095

Tgt Ion:106 Resp: 927641

Ion Ratio Lower Upper

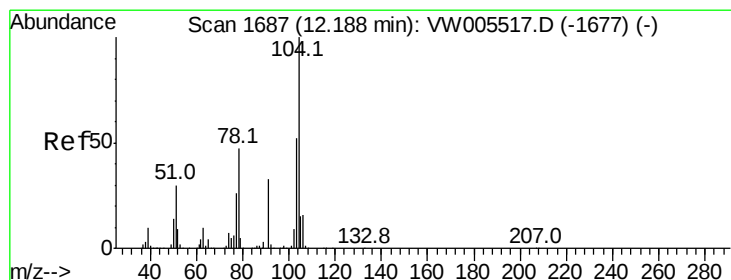
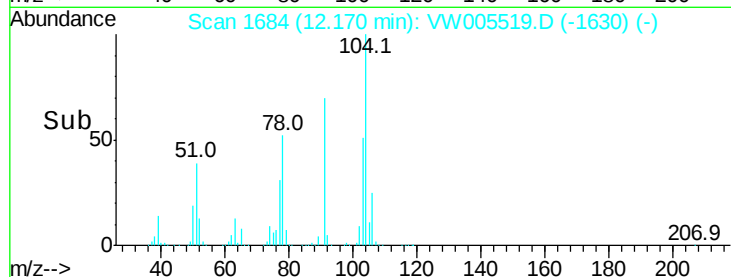
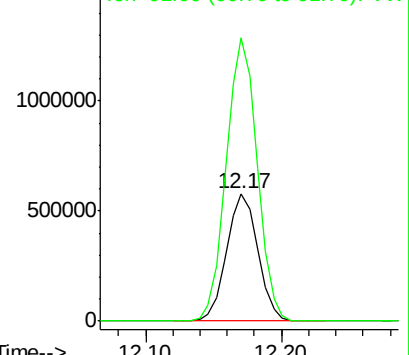
106 100

91 221.6 156.3 290.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 103.924 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005519.D

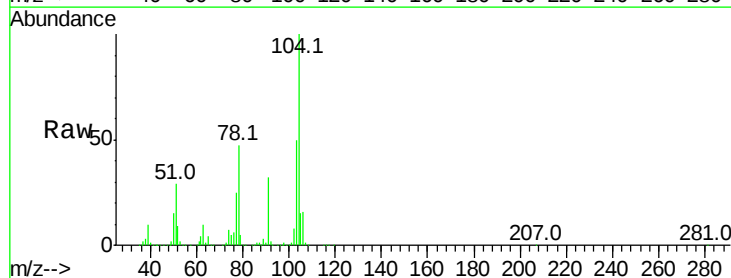
Acq: 19 Sep 2018 17:07

Tgt Ion:104 Resp: 1610031

Ion Ratio Lower Upper

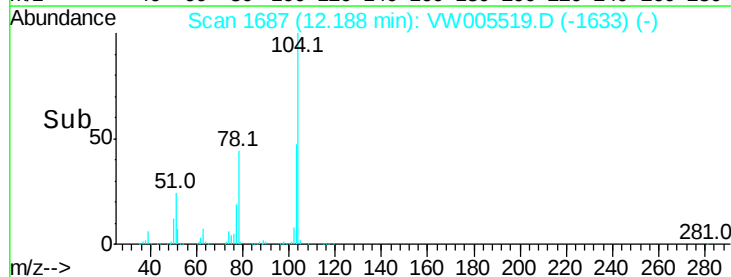
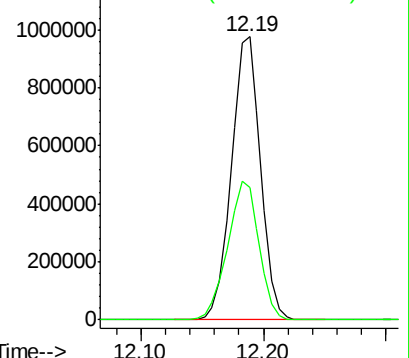
104 100

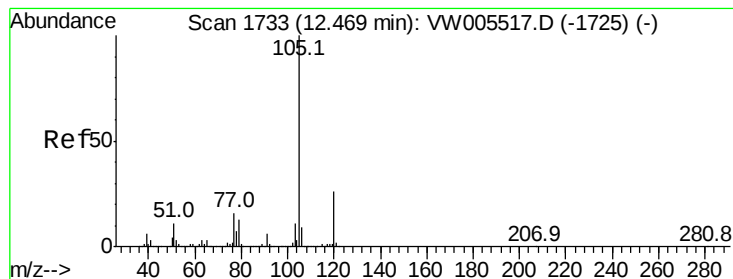
78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 106.133 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD10095

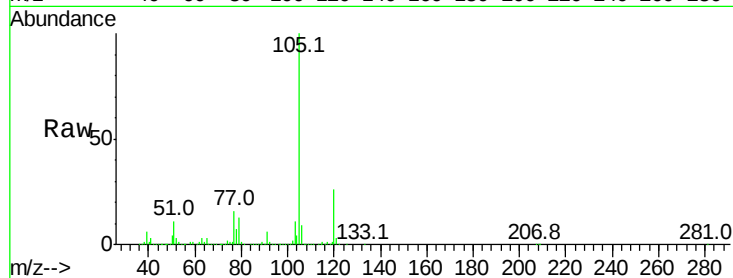
Tgt Ion:105 Resp: 2646142

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

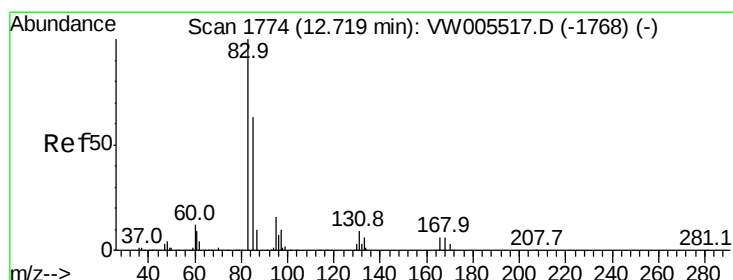
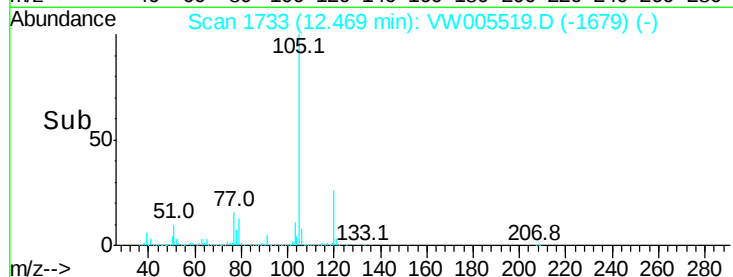
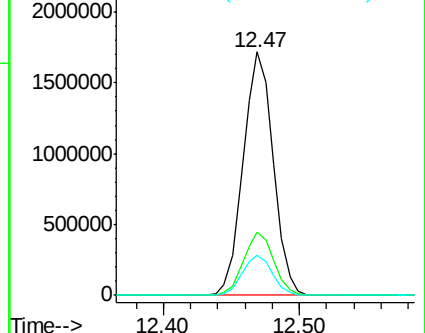
77 16.4 13.0 19.4



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: 115.331 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

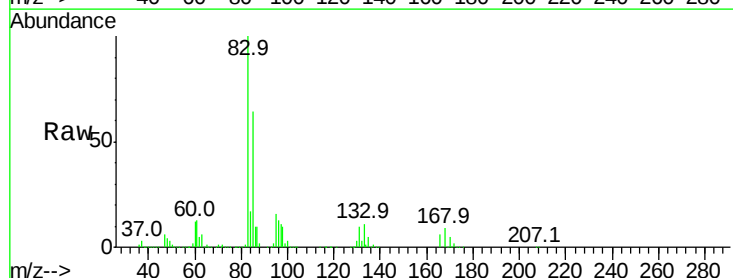
Tgt Ion: 83 Resp: 588661

Ion Ratio Lower Upper

83 100

85 63.8 43.9 81.5

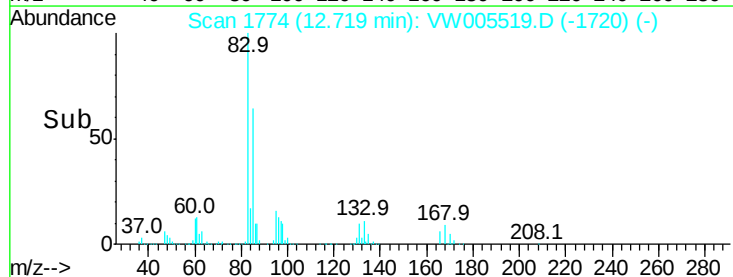
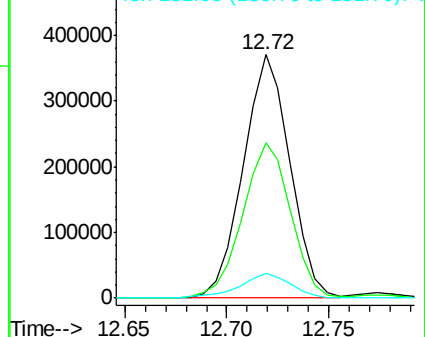
131 9.9 7.9 11.9

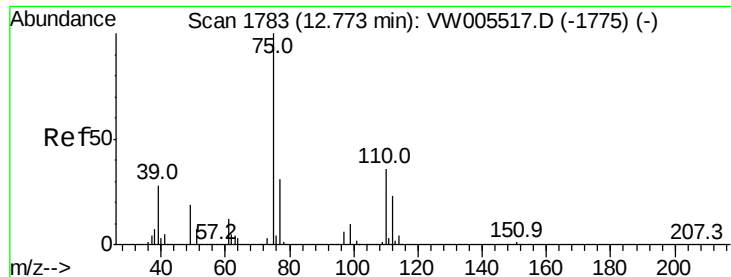


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 108.323 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

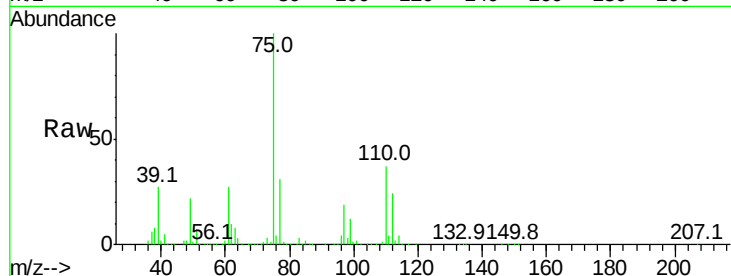
VSTD10095

Tgt Ion: 75 Resp: 472558

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

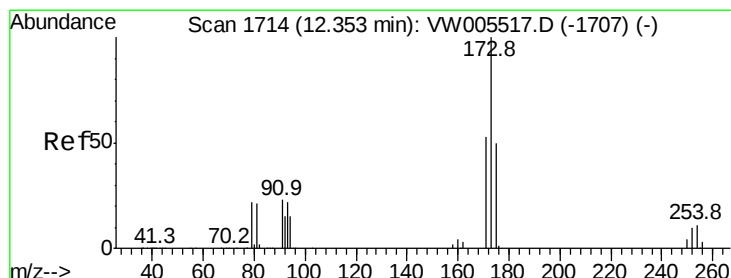
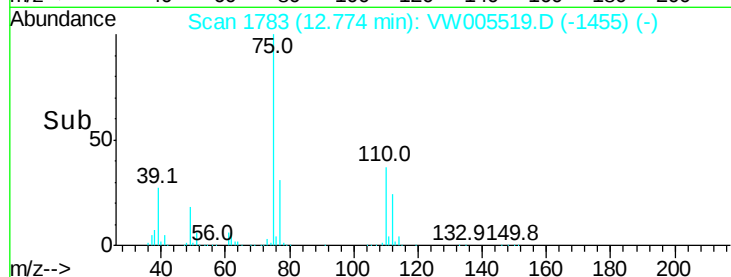
300000

200000

100000

0

Time--> 12.70 12.75 12.80 12.85



#62

Bromoform

Concen: 114.248 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

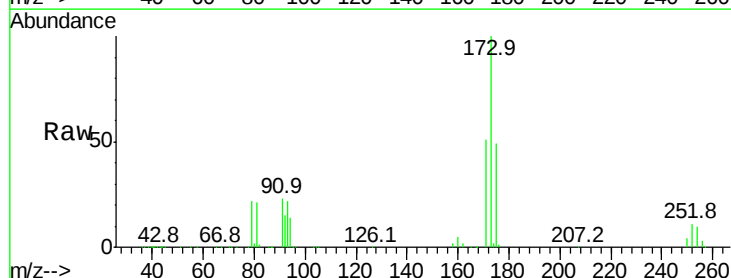
Tgt Ion: 173 Resp: 336603

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.5 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

250000

200000

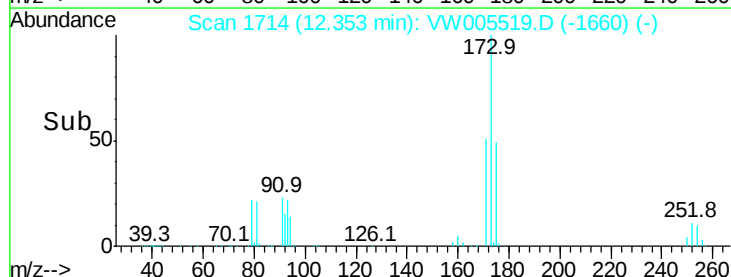
150000

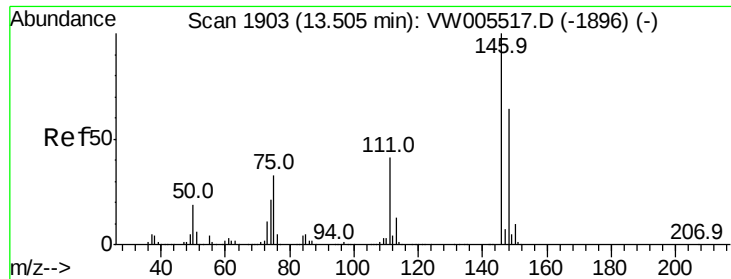
100000

50000

0

Time--> 12.30 12.35 12.40

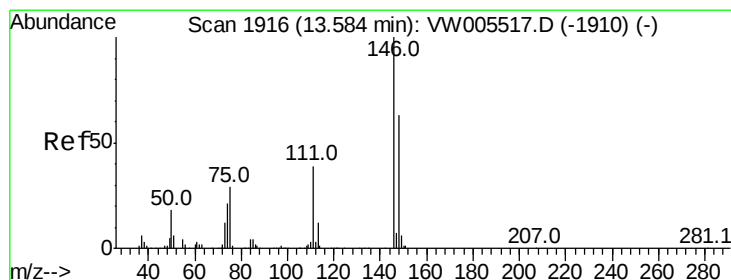
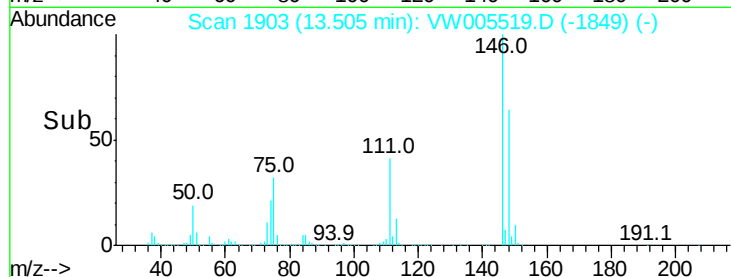
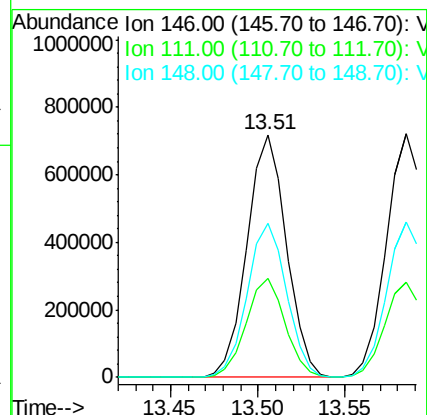
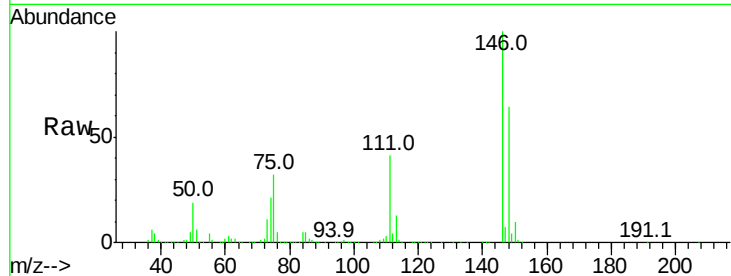




#63
 1,3-Dichlorobenzene
 Concen: 100.600 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

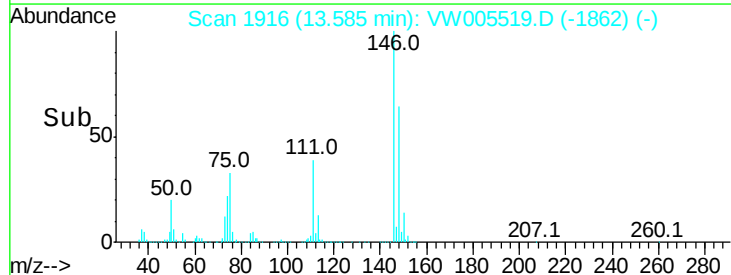
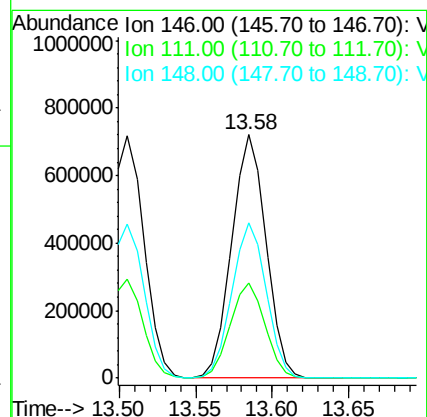
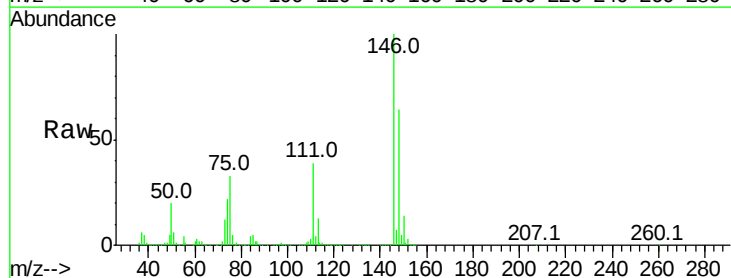
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10095

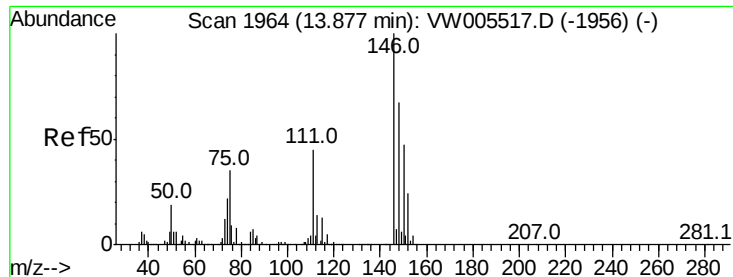
Tgt Ion:146 Resp: 1124774
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.6 53.0
 148 63.6 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 97.264 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

Tgt Ion:146 Resp: 1122382
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 63.8 43.8 81.4

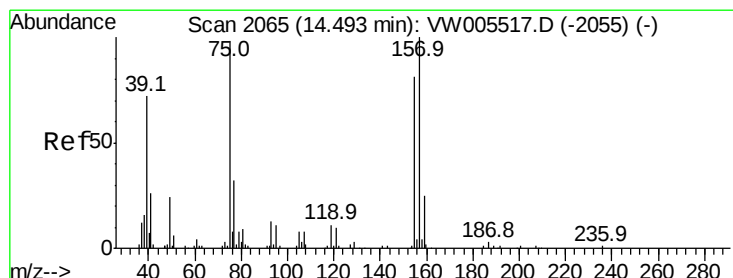
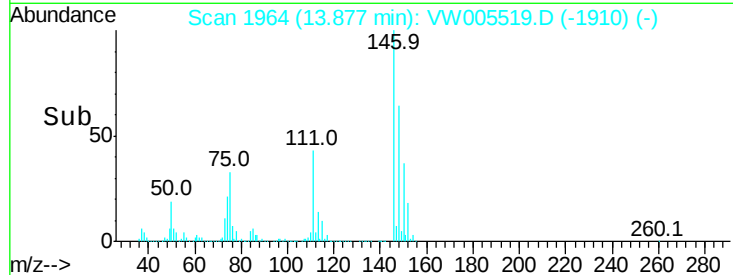
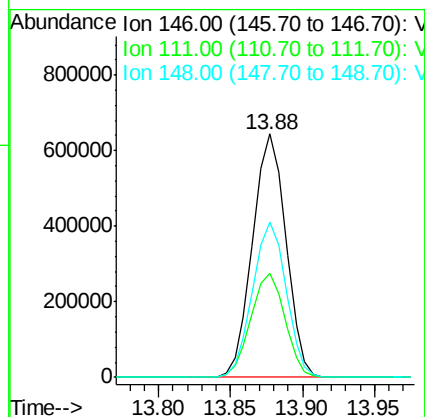
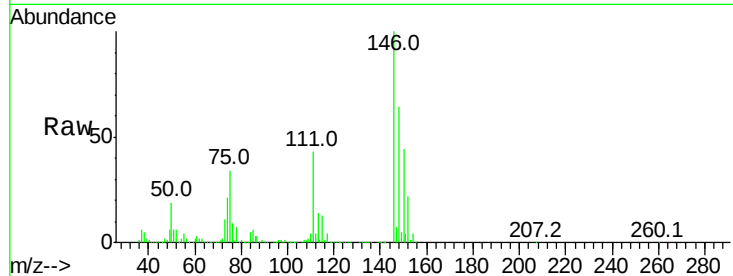




#65
 1,2-Dichlorobenzene
 Concen: 96.591 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

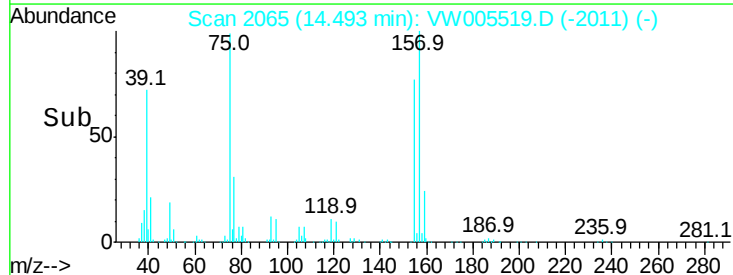
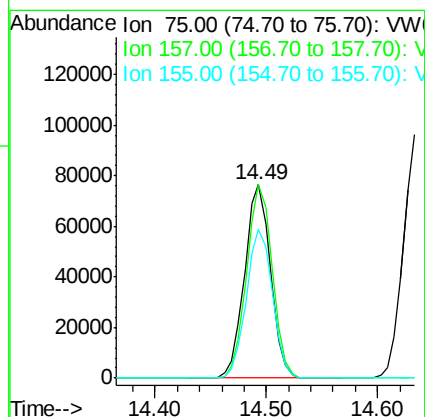
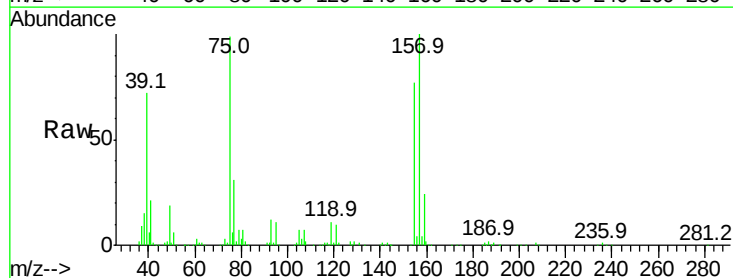
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10095

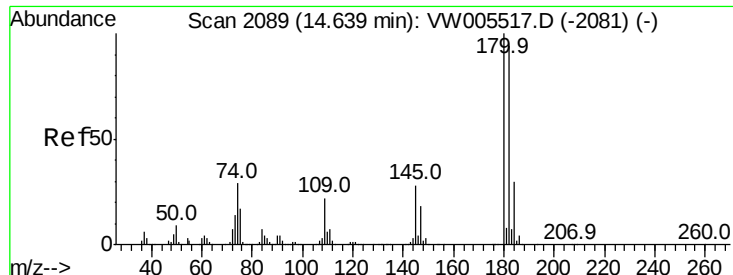
Tgt Ion: 146 Resp: 1033901
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.9 53.9
 148 63.7 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 106.075 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

Tgt Ion: 75 Resp: 123203
 Ion Ratio Lower Upper
 75 100
 157 100.5 81.5 122.3
 155 77.3 66.2 99.2

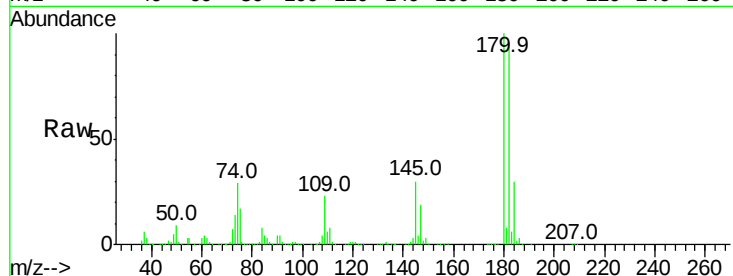




#67
 1,3,5-Trichlorobenzene
 Concen: 96.627 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10095

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	855445		
182	95.2	76.2	114.4	
184	30.2	24.1	36.1	
145	30.0	23.5	35.3	

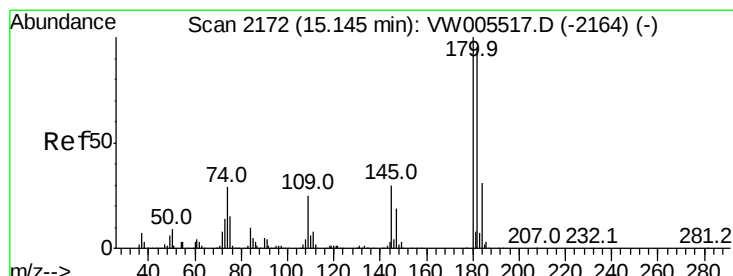
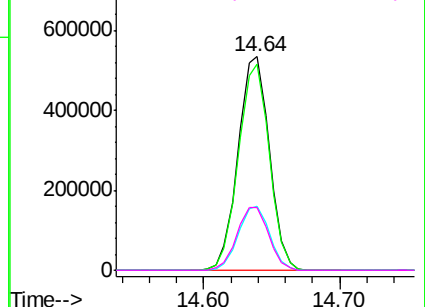
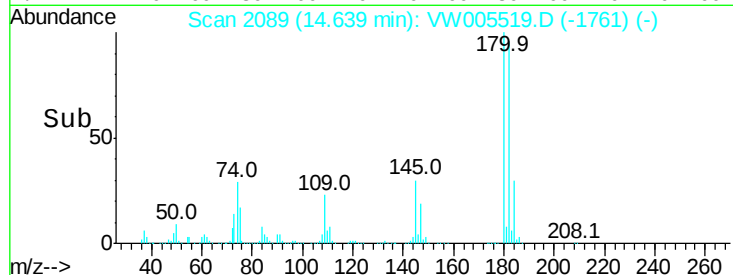


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

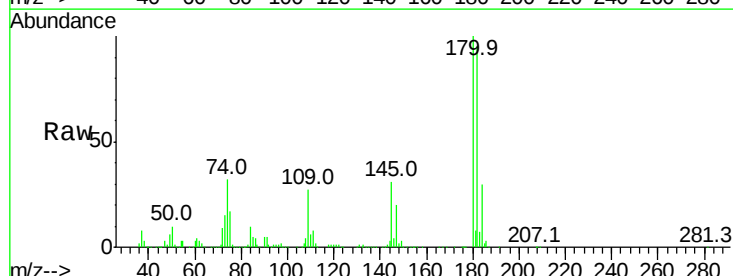
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 98.103 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005519.D
 Acq: 19 Sep 2018 17:07

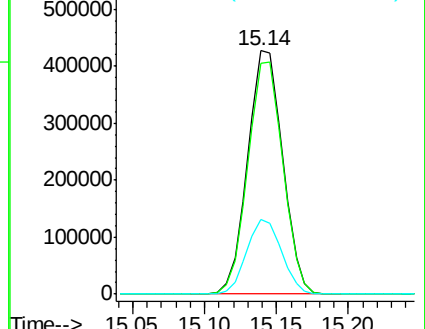
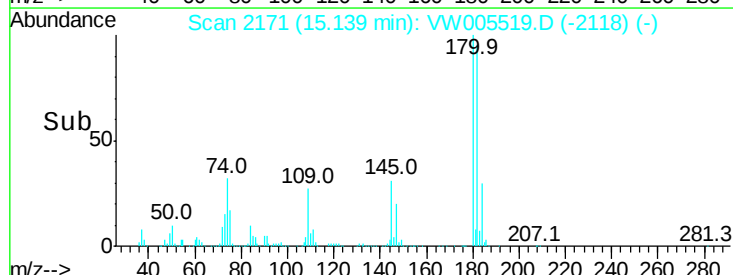
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	717853		
182	95.7	76.7	115.1	
145	30.7	24.6	37.0	

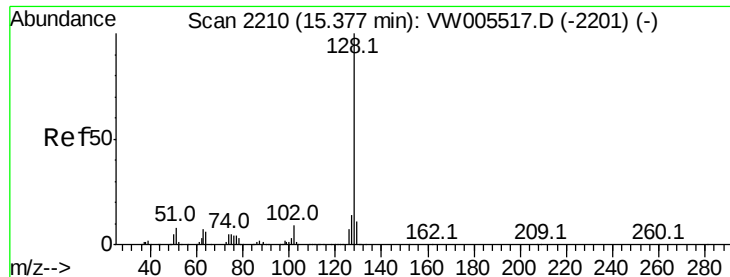


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 108.795 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD10095

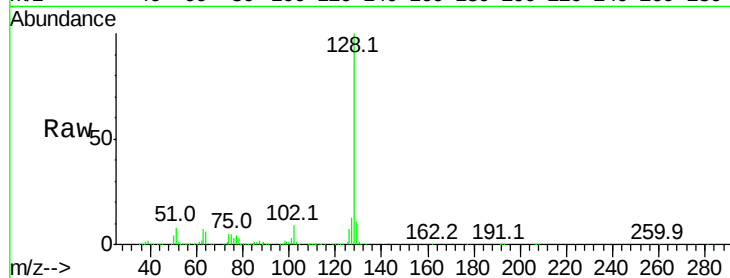
Tgt Ion:128 Resp: 1744171

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

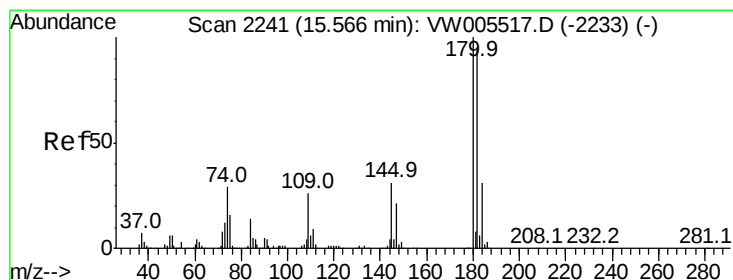
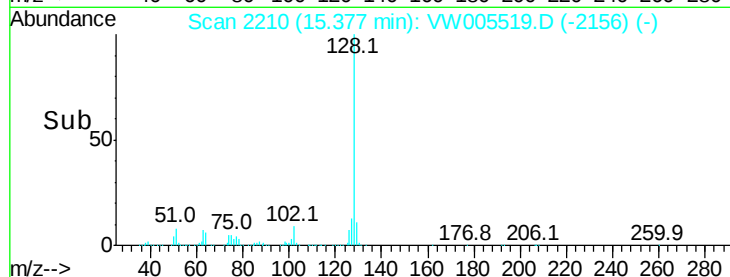
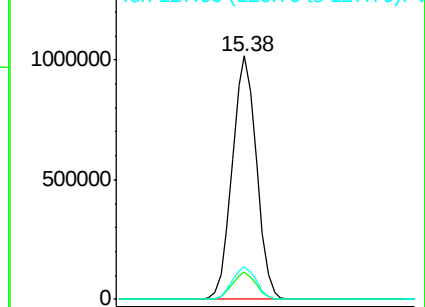
127 13.4 11.0 16.4



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: 95.839 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005519.D

Acq: 19 Sep 2018 17:07

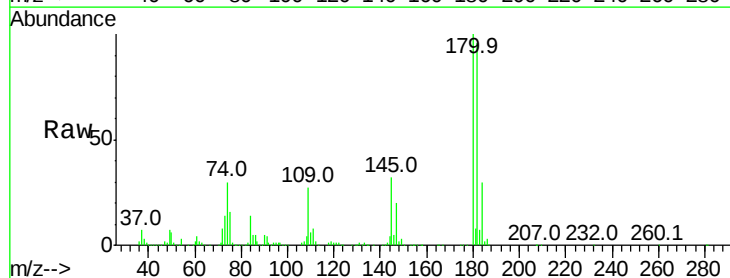
Tgt Ion:180 Resp: 659111

Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 32.2 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

