

Data File : VW011415.D
Acq On : 22 Jul 2019 12:17
Operator : SY/VA
Sample : VSTD2.515
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Quant Time: Jul 22 13:44:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 22 13:42:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	507705	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	443930	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210669	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17733	2.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	12559	2.31	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	38075	2.32	ug/L	0.00
20) 2-Butanone-d5	7.07	46	15285	5.01	ug/L	0.00
24) Chloroform-d	7.65	84	32686	2.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20286	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	68097	2.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21979	2.47	ug/L	0.00
37) Toluene-d8	10.32	98	59813	2.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	9105	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8742	4.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17977	2.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20704	2.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	13149	2.106 ug/L	95
3) Chloromethane	2.21	50	18695	2.758 ug/L	96
5) Vinyl chloride	2.36	62	21164	2.392 ug/L	94
6) Bromomethane	2.78	94	10704	2.586 ug/L	99
8) Chloroethane	2.93	64	11103	2.483 ug/L	92
9) Trichlorofluoromethane	3.26	101	9369	3.093 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	15634	2.316 ug/L	97
12) 1,1-Dichloroethene	4.04	96	15725	2.357 ug/L	87
13) Acetone	4.12	43	17032	5.710 ug/L	99
14) Carbon disulfide	4.38	76	50603	2.651 ug/L	99
15) Methyl Acetate	4.67	43	10668	2.198 ug/L	98
16) Methylene chloride	4.92	84	19417	2.603 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	26017	2.514 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	16441	2.439 ug/L	95
19) 1,1-Dichloroethane	6.21	63	32941	2.407 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	17530	2.402 ug/L	93
23) Bromochloromethane	7.52	128	7498	2.449 ug/L	77
25) Chloroform	7.68	83	31384	2.421 ug/L	98
27) 1,2-Dichloroethane	8.40	62	22448	2.265 ug/L	96
30) Cyclohexane	7.95	56	33508	2.483 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	23900	2.594 ug/L	99
32) Carbon tetrachloride	8.07	117	21330	2.468 ug/L	98
34) Benzene	8.32	78	70080	2.526 ug/L	100
35) Trichloroethene	9.09	95	17756	2.536 ug/L	98
36) Methylcyclohexane	9.34	83	31548	2.504 ug/L	98
40) 1,2-Dichloropropane	9.37	63	18604	2.447 ug/L	97
41) Bromodichloromethane	9.65	83	21216	2.420 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	26041	2.321 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	31527	4.473 ug/L	99
44) Toluene	10.39	91	69178	2.409 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Mon Jul 22 13:42:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	21441	2.310	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	12554	2.385	ug/L	94
47) Tetrachloroethene	10.86	164	13322	2.518	ug/L	99
49) 2-Hexanone	10.97	43	22506	4.387	ug/L	98
50) Dibromochloromethane	11.13	129	13239	2.361	ug/L	99
51) 1,2-Dibromoethane	11.23	107	11839	2.329	ug/L #	99
52) Chlorobenzene	11.66	112	43025	2.452	ug/L	98
53) Ethylbenzene	11.73	91	78666	2.415	ug/L	100
54) m,p-Xylene	11.84	106	28861	2.440	ug/L	100
55) o-xylene	12.16	106	27074	2.406	ug/L	96
56) Styrene	12.18	104	43003	2.228	ug/L	99
57) Isopropylbenzene	12.46	105	72243	2.352	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	16256	2.321	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	12557	2.335	ug/L	98
62) Bromoform	12.35	173	7588	2.417	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	32128	2.479	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	33461	2.522	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	30418	2.521	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	2915	2.461	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	24558	2.501	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	19864	2.414	ug/L	99
69) Naphthalene	15.37	128	38251	2.220	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	18623	2.474	ug/L	100

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

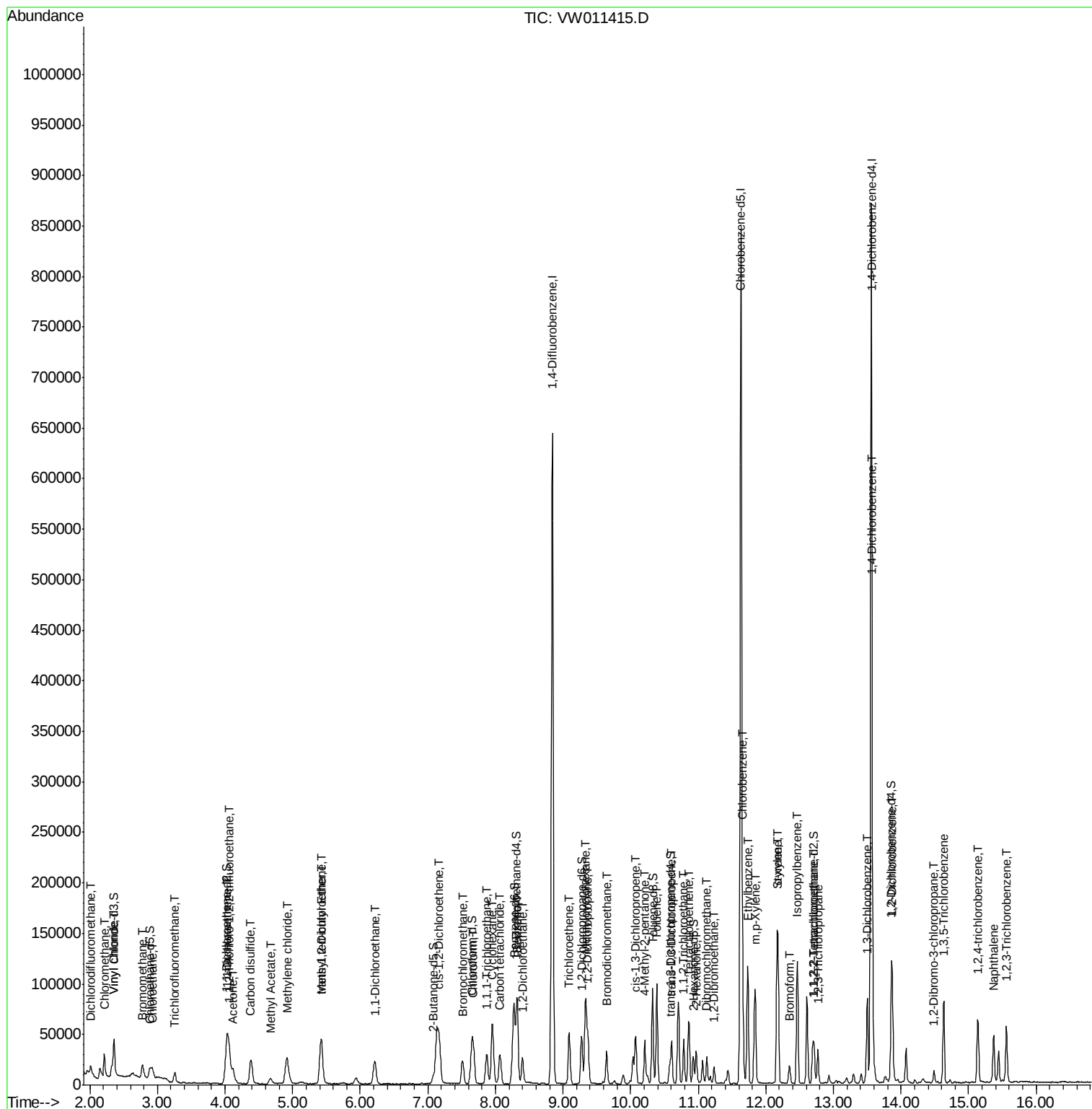
Quant Time: Jul 22 13:44:37 2019

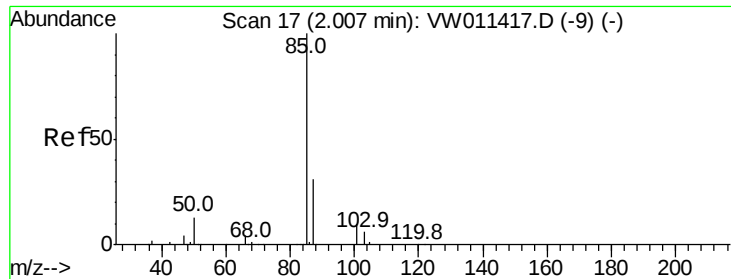
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M

Quant Title : VOC Analysis

QLast Update : Mon Jul 22 13:42:06 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.106 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

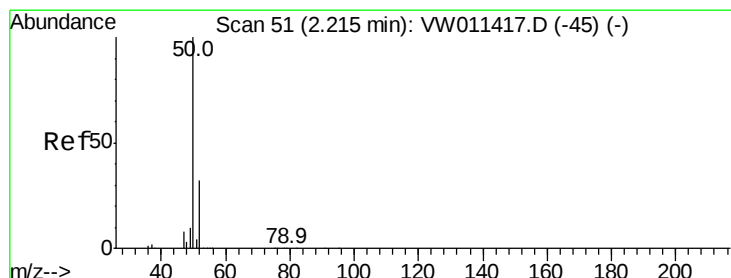
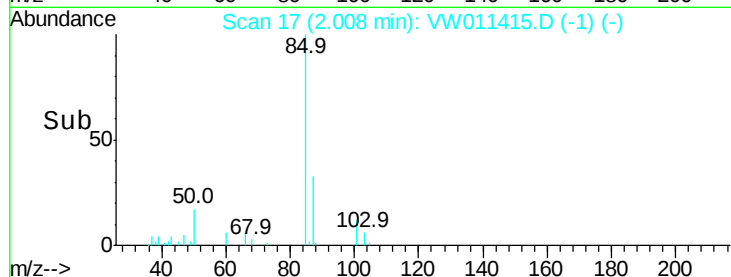
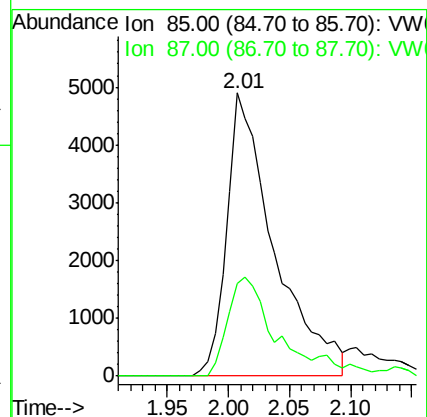
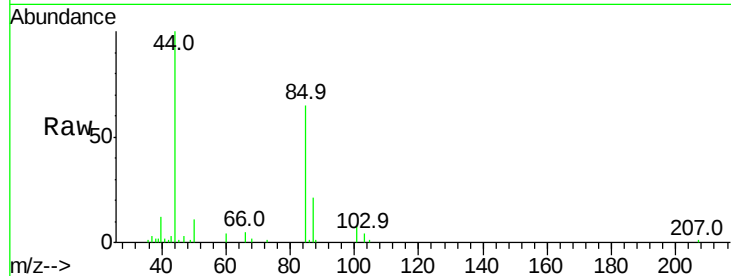
VSTD2.504

Tgt Ion: 85 Resp: 13149

Ion Ratio Lower Upper

85 100

87 26.6 20.6 38.2



#3

Chloromethane

Concen: 2.758 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW011415.D

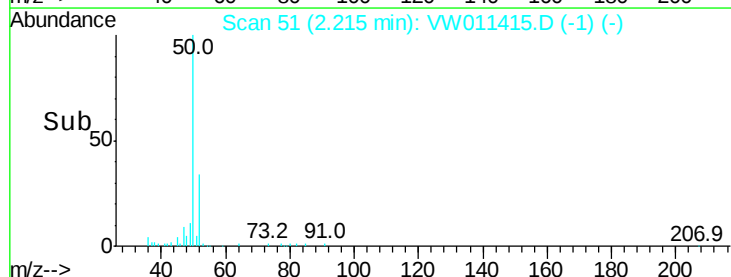
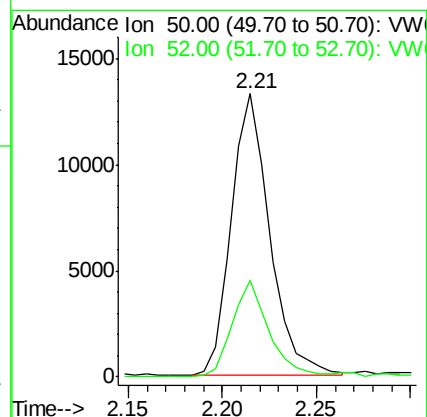
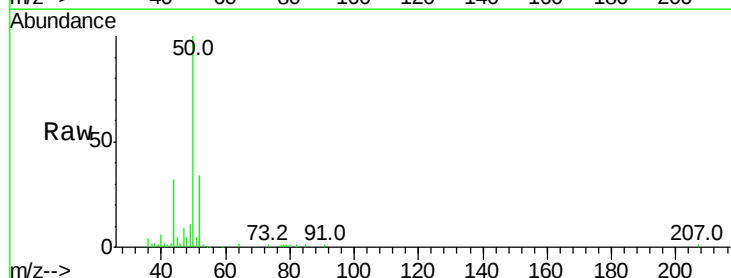
Acq: 22 Jul 2019 12:17

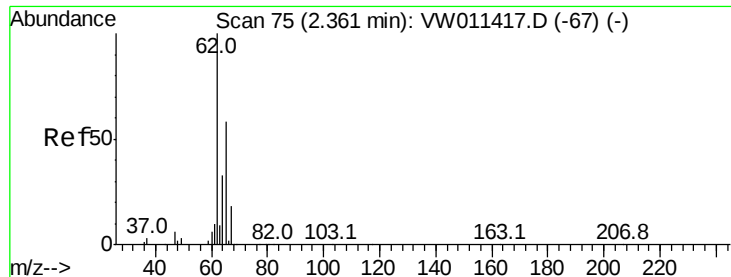
Tgt Ion: 50 Resp: 18695

Ion Ratio Lower Upper

50 100

52 33.9 22.0 41.0





#5

Vinyl chloride

Concen: 2.392 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

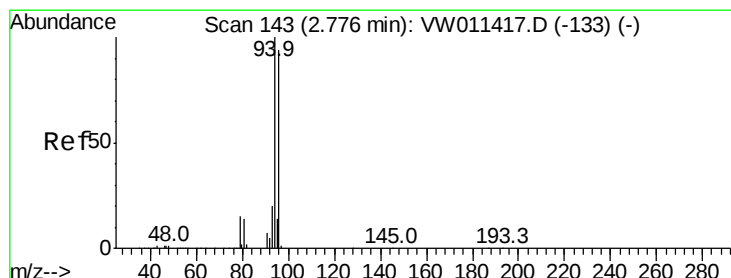
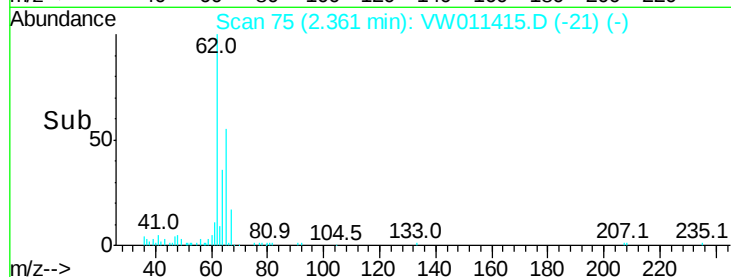
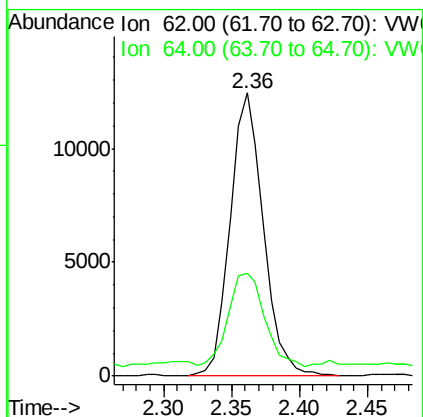
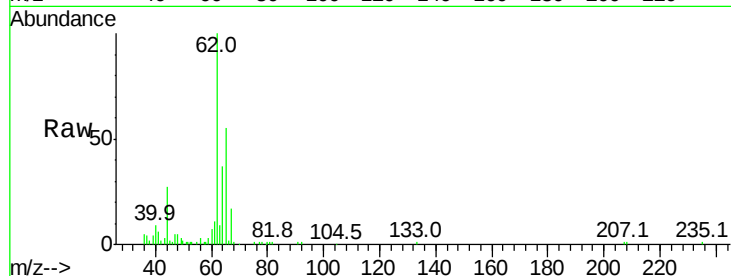
VSTD2.504

Tgt Ion: 62 Resp: 21164

Ion Ratio Lower Upper

62 100

64 36.5 23.3 43.3



#6

Bromomethane

Concen: 2.586 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW011415.D

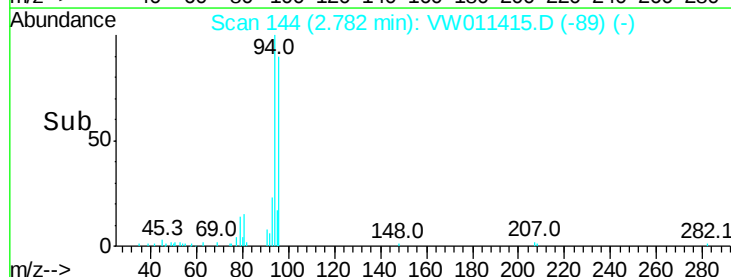
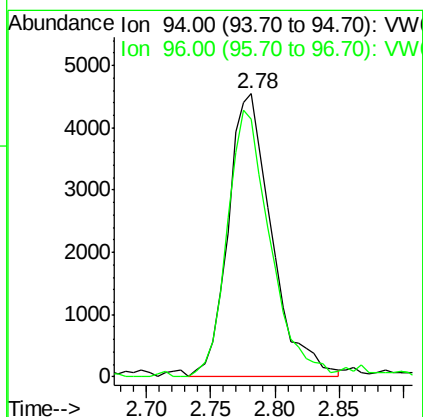
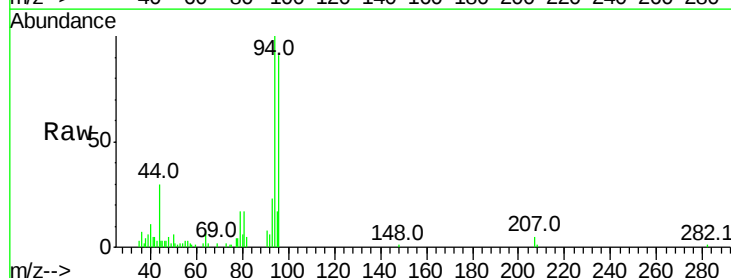
Acq: 22 Jul 2019 12:17

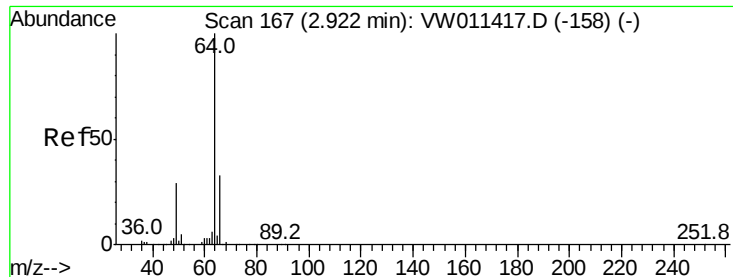
Tgt Ion: 94 Resp: 10704

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.8





#8

Chloroethane

Concen: 2.483 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

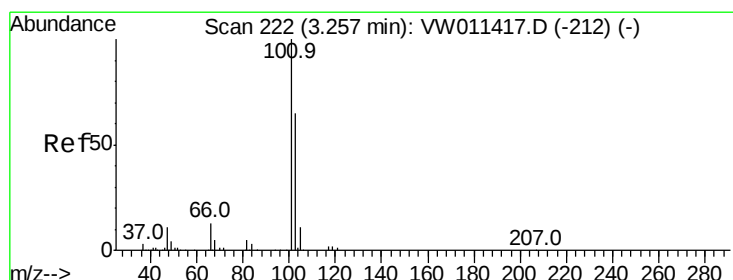
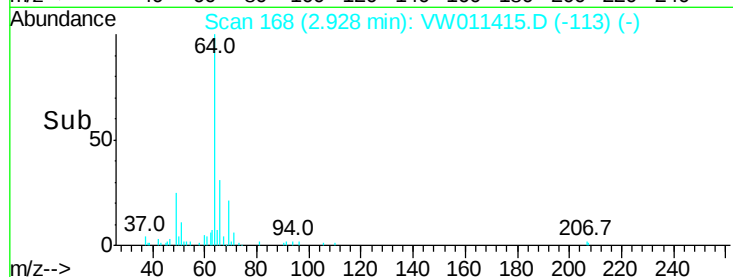
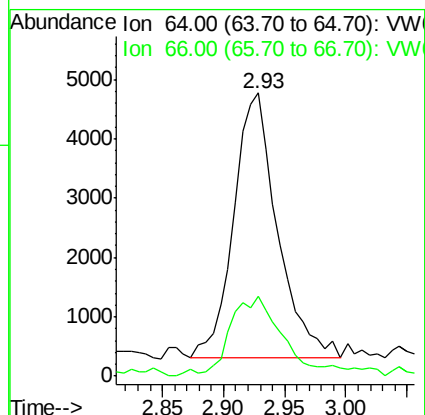
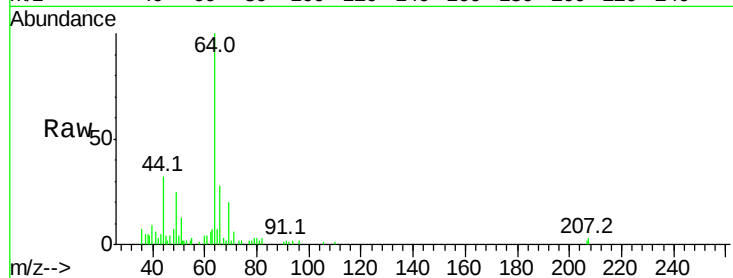
VSTD2.504

Tgt Ion: 64 Resp: 11103

Ion Ratio Lower Upper

64 100

66 28.2 22.7 42.3



#9

Trichlorofluoromethane

Concen: 3.093 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011415.D

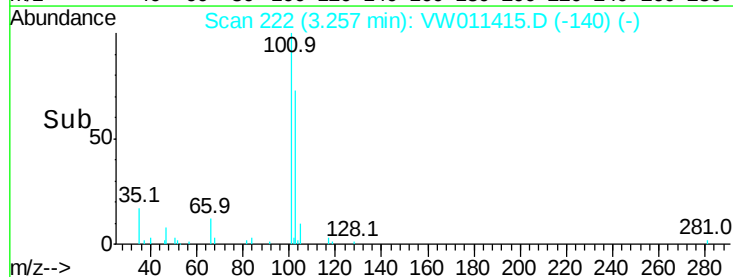
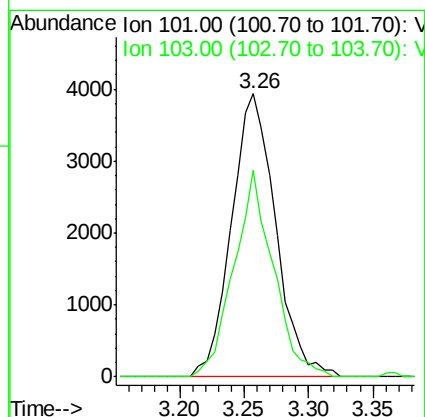
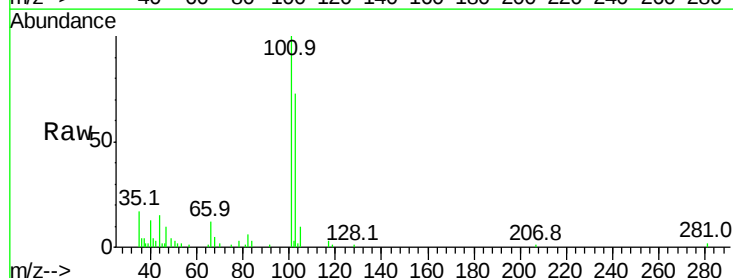
Acq: 22 Jul 2019 12:17

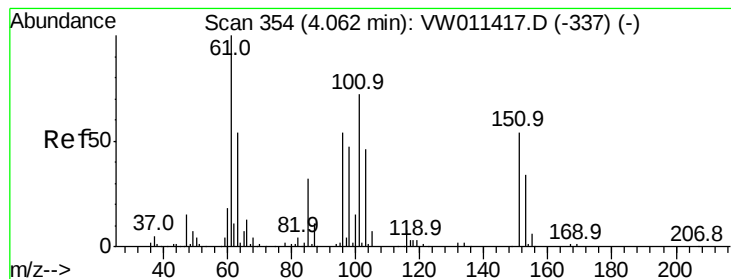
Tgt Ion: 101 Resp: 9369

Ion Ratio Lower Upper

101 100

103 65.2 45.2 84.0





#11

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

Concen: 2.316 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

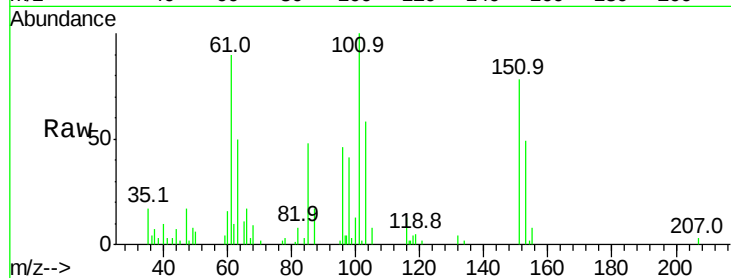
Tgt Ion: 101 Resp: 15634

Ion Ratio Lower Upper

101 100

85 44.3 35.2 52.8

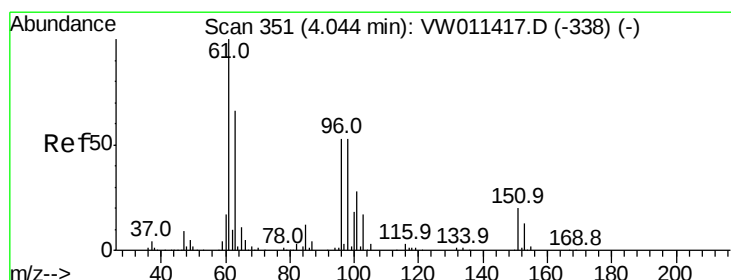
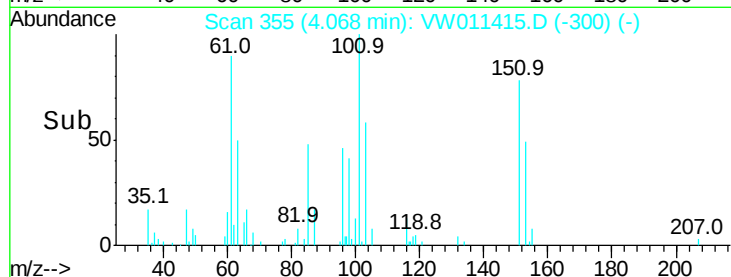
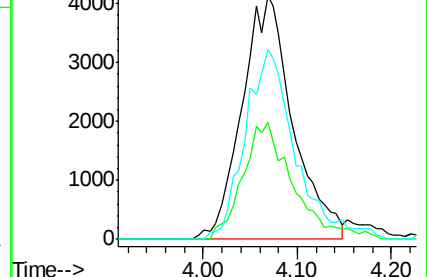
151 69.6 58.6 87.8



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: 2.357 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

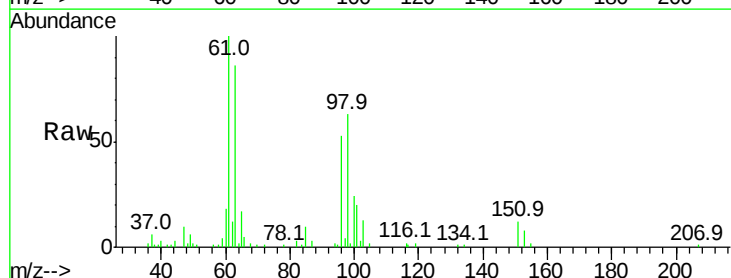
Tgt Ion: 96 Resp: 15725

Ion Ratio Lower Upper

96 100

61 190.2 133.2 247.4

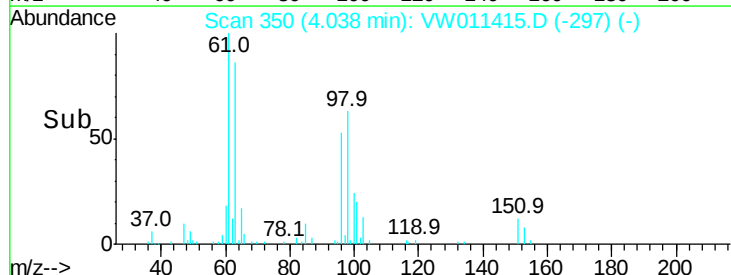
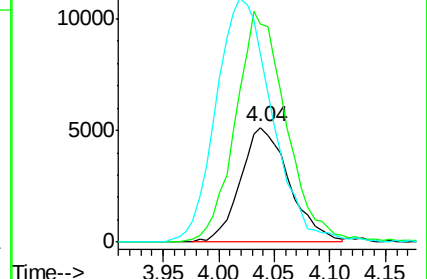
63 164.5 89.9 166.9

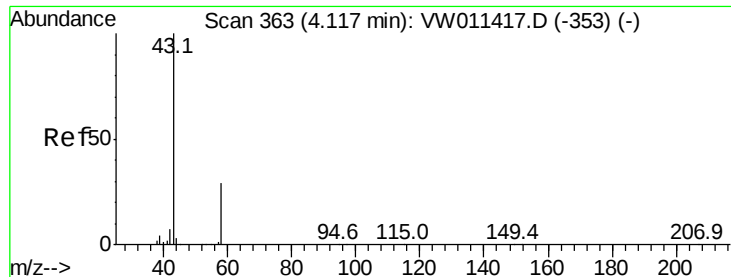


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.710 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

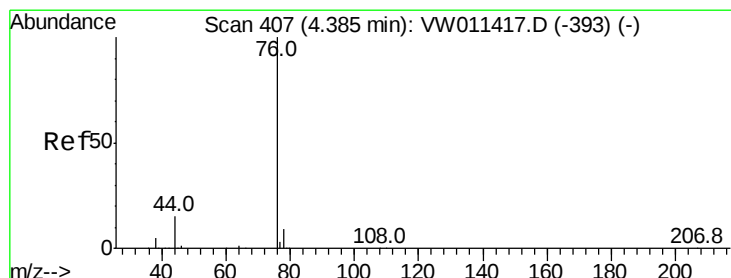
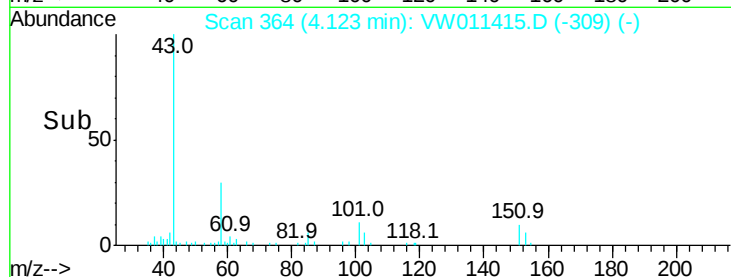
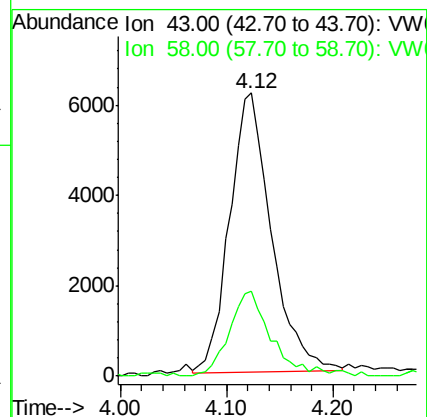
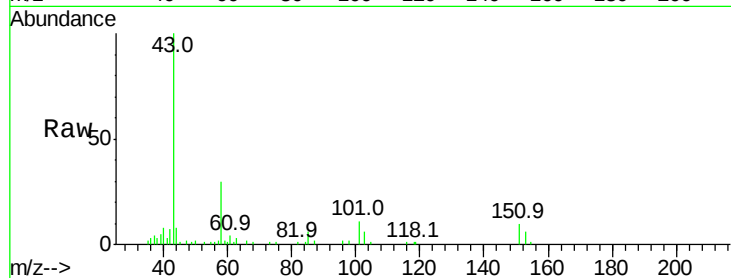
VSTD2.504

Tgt Ion: 43 Resp: 17032

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.2



#14

Carbon disulfide

Concen: 2.651 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011415.D

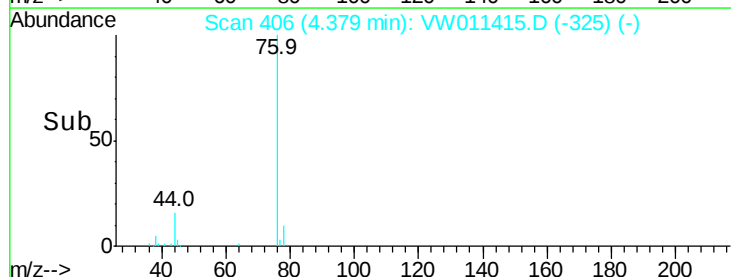
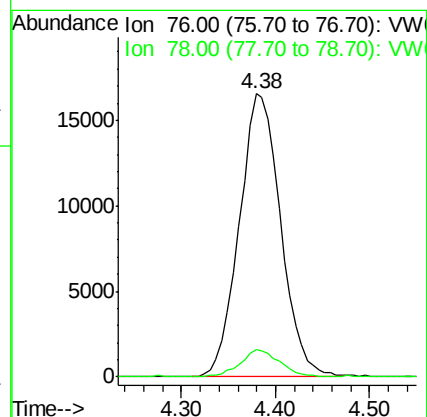
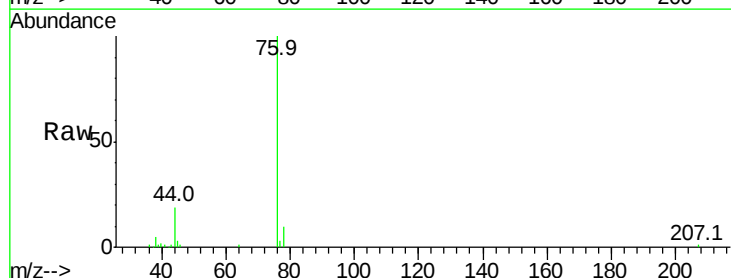
Acq: 22 Jul 2019 12:17

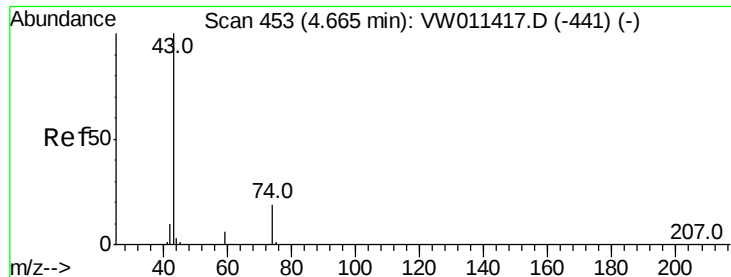
Tgt Ion: 76 Resp: 50603

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

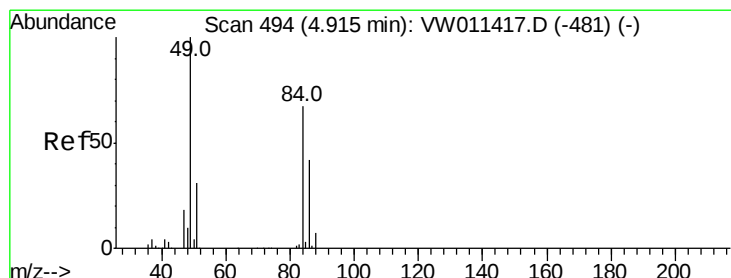
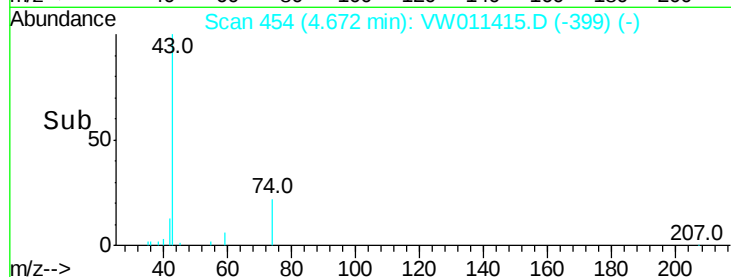
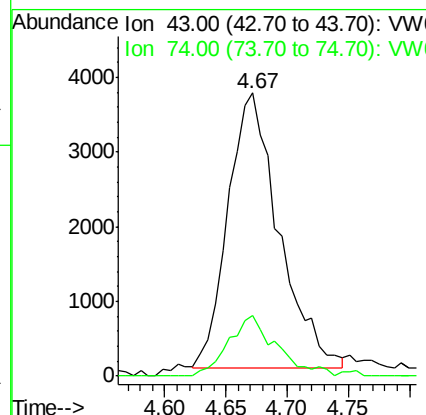
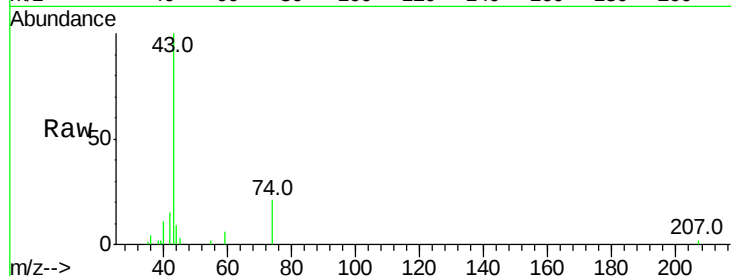




#15
Methyl Acetate
Concen: 2.198 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

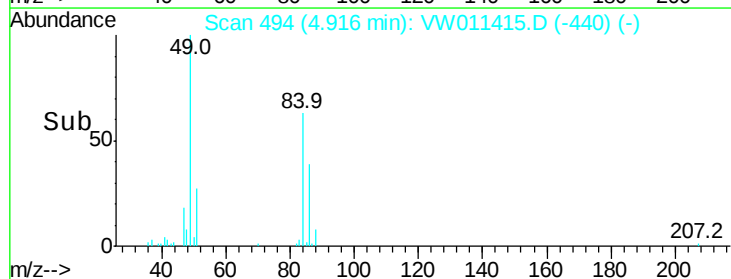
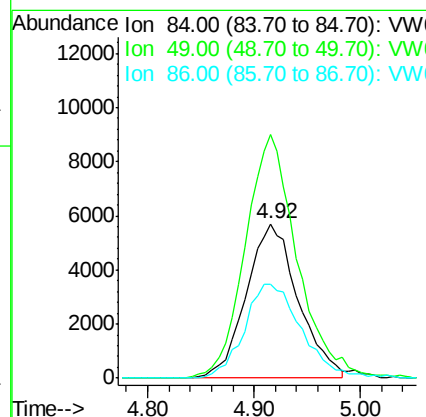
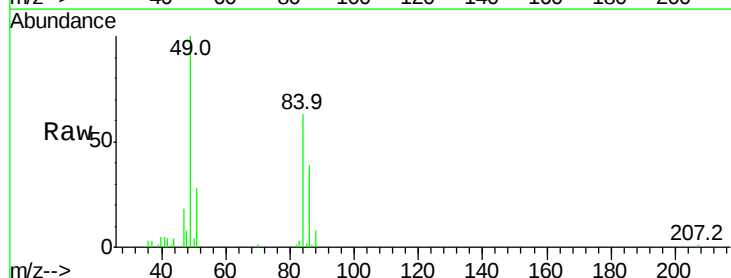
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

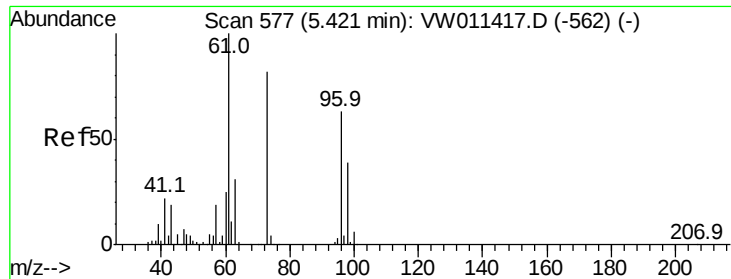
Tgt Ion: 43 Resp: 10668
Ion Ratio Lower Upper
43 100
74 20.0 15.2 22.8



#16
Methylene chloride
Concen: 2.603 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Tgt Ion: 84 Resp: 19417
Ion Ratio Lower Upper
84 100
49 157.9 104.0 193.2
86 61.3 44.0 81.8

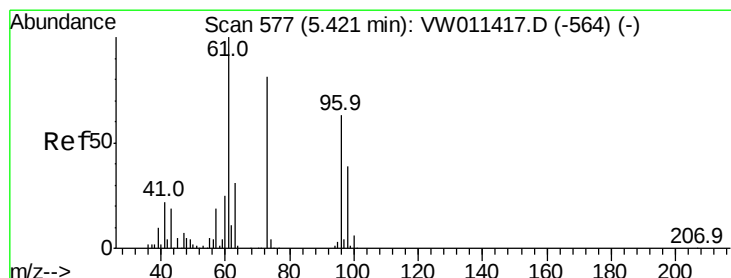
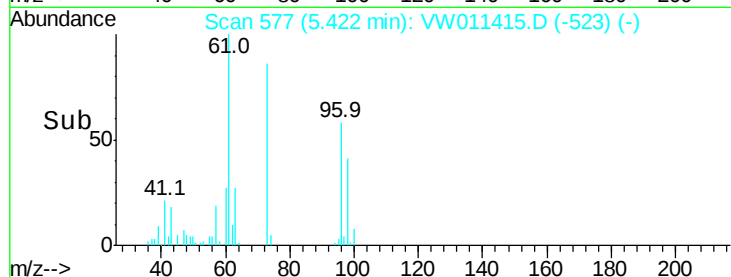
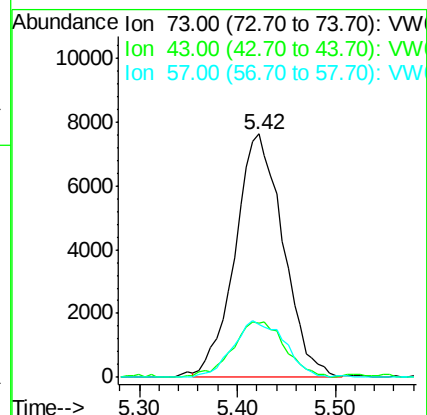
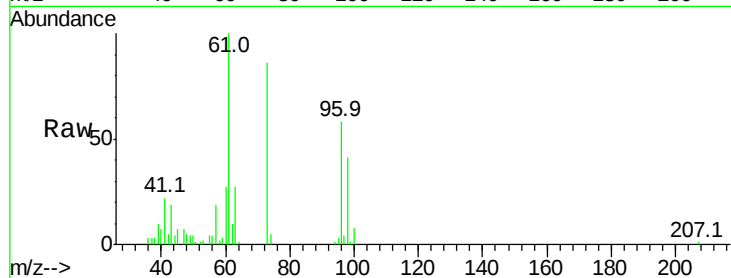




#17
Methyl tert-butyl Ether
Concen: 2.514 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

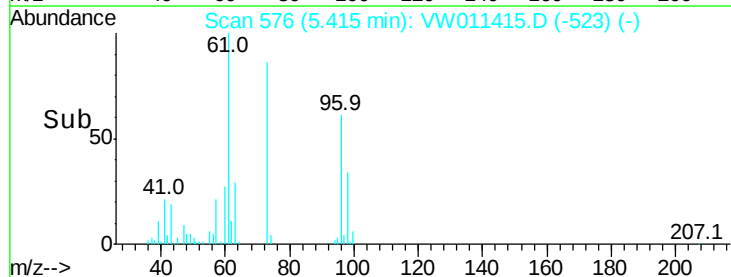
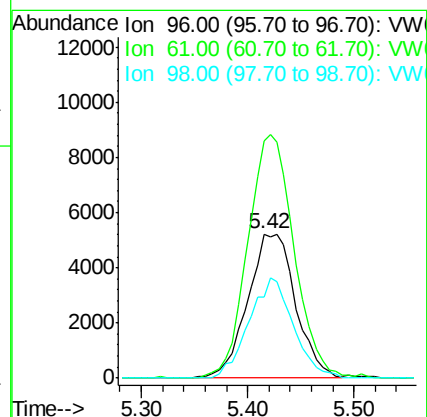
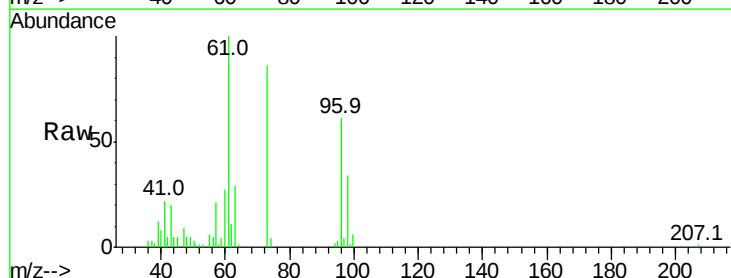
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

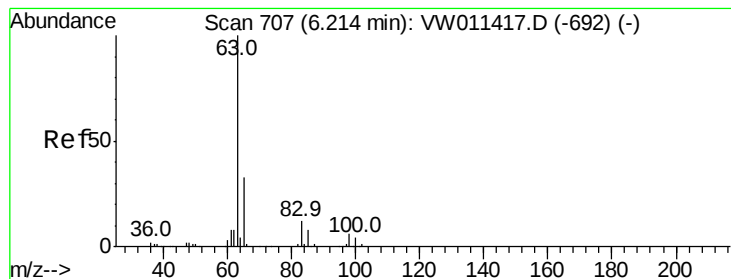
Tgt Ion: 73 Resp: 26017
Ion Ratio Lower Upper
73 100
43 24.1 19.0 28.4
57 24.8 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 2.439 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Tgt Ion: 96 Resp: 16441
Ion Ratio Lower Upper
96 100
61 165.1 111.7 207.5
98 56.4 43.4 80.6





#19

1,1-Dichloroethane

Concen: 2.407 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

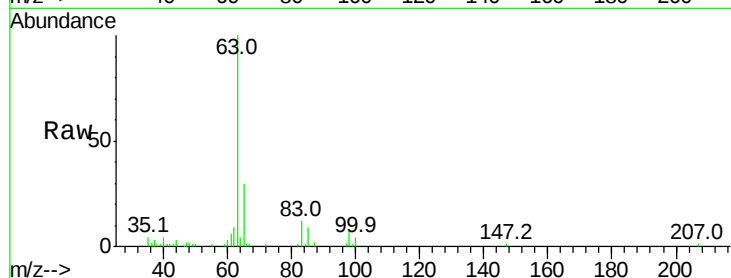
Tgt Ion: 63 Resp: 32941

Ion Ratio Lower Upper

63 100

65 30.1 22.8 42.4

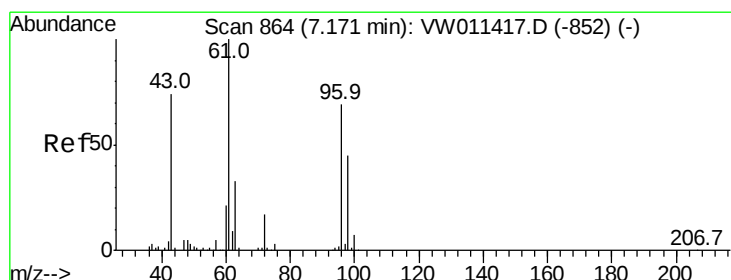
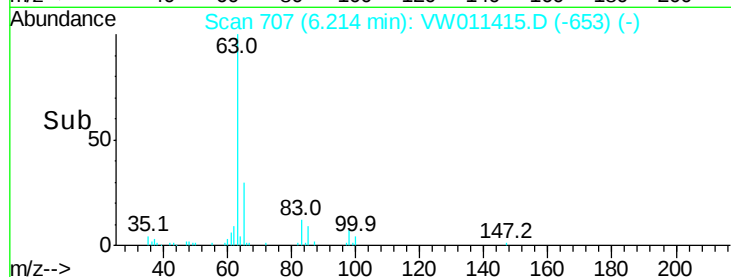
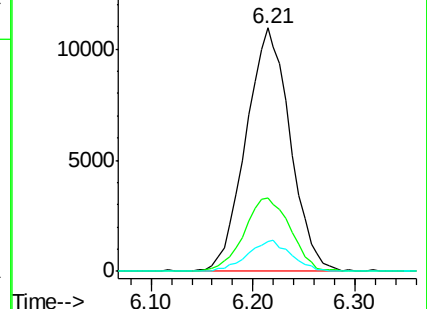
83 12.2 8.6 16.0



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



#22

cis-1,2-Dichloroethene

Concen: 2.402 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

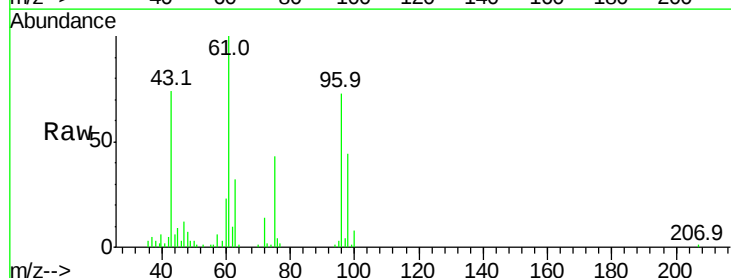
Tgt Ion: 96 Resp: 17530

Ion Ratio Lower Upper

96 100

61 136.4 101.8 189.0

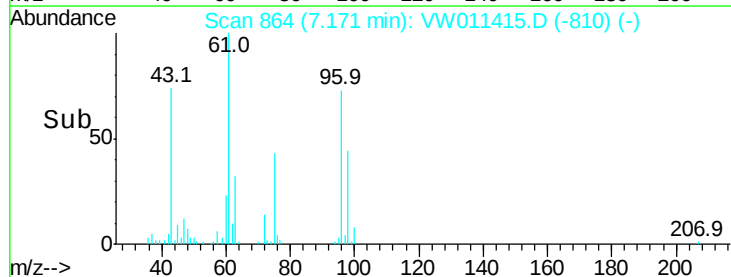
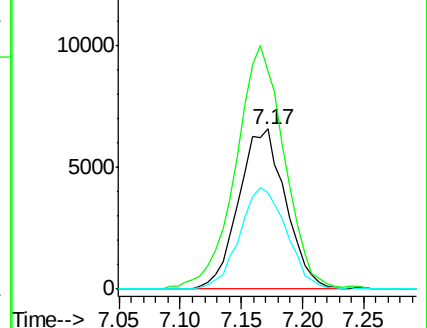
98 60.4 45.4 84.2

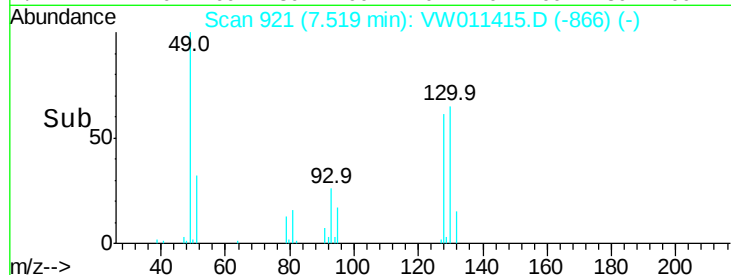
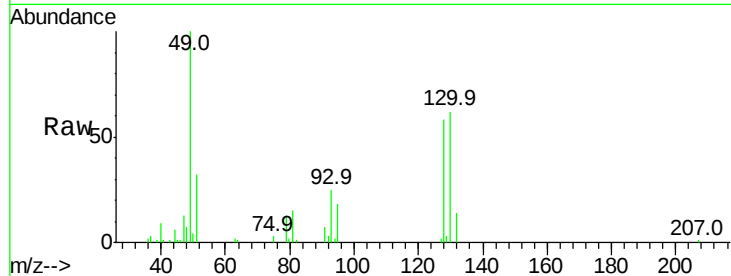
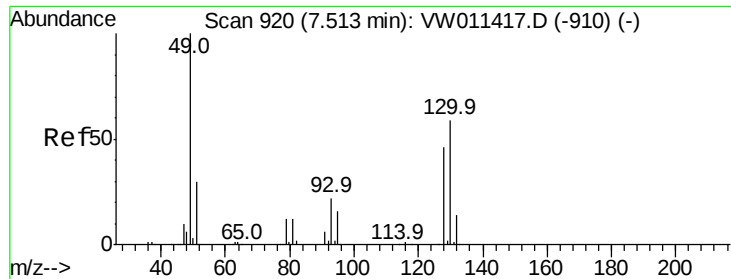


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

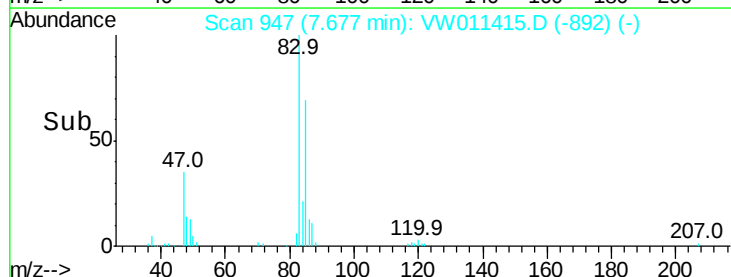
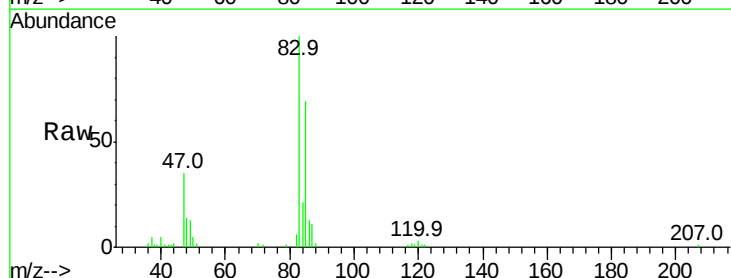
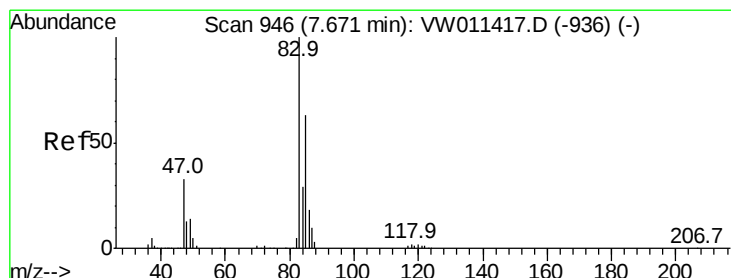
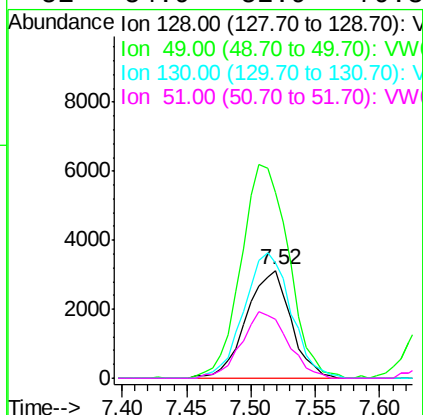




#23
Bromochloromethane
Concen: 2.449 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

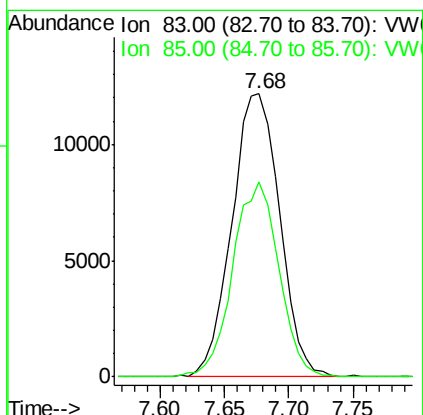
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

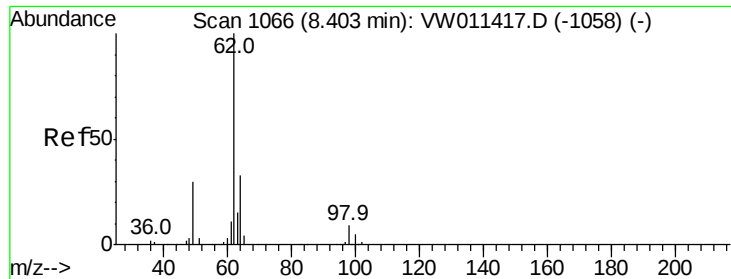
Tgt Ion:128 Resp: 7498
Ion Ratio Lower Upper
128 100
49 172.6 152.0 282.2
130 107.2 89.8 166.8
51 54.9 52.9 79.3



#25
Chloroform
Concen: 2.421 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Tgt Ion: 83 Resp: 31384
Ion Ratio Lower Upper
83 100
85 66.1 45.1 83.9

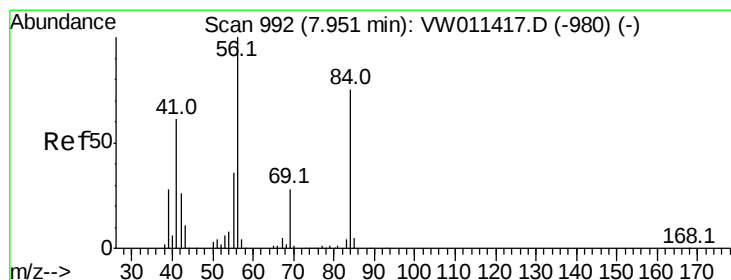
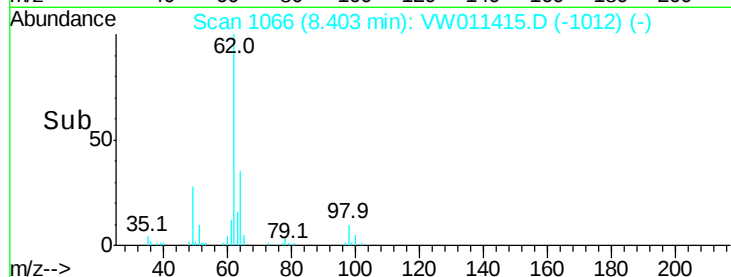
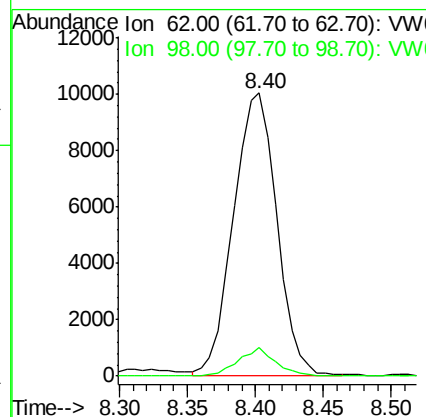
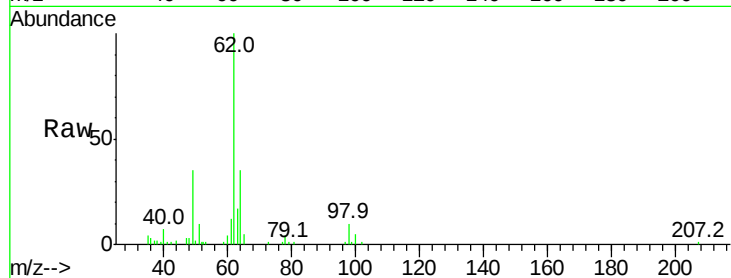




#27
 1,2-Dichloroethane
 Concen: 2.265 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

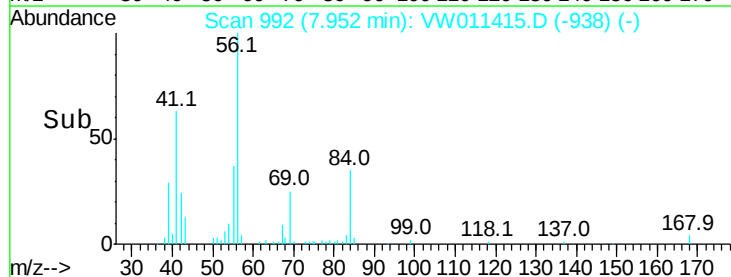
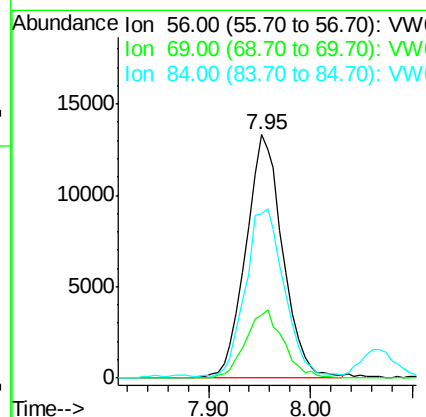
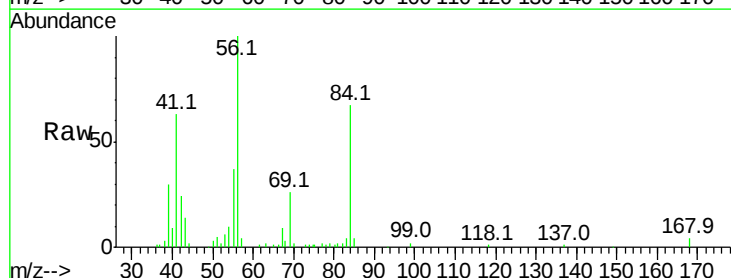
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

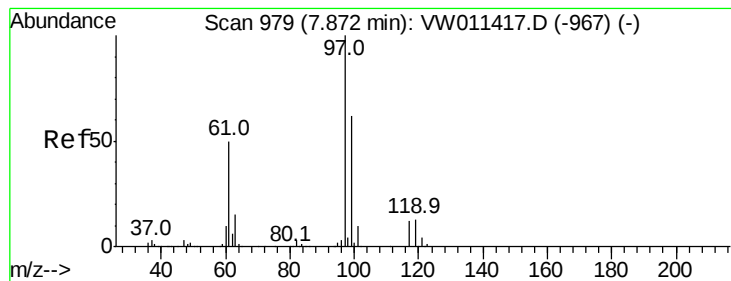
Tgt Ion: 62 Resp: 22448
 Ion Ratio Lower Upper
 62 100
 98 10.3 7.1 10.7



#30
 Cyclohexane
 Concen: 2.483 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

Tgt Ion: 56 Resp: 33508
 Ion Ratio Lower Upper
 56 100
 69 28.4 22.6 34.0
 84 73.3 60.4 90.6





#31

1,1,1-Trichloroethane

Concen: 2.594 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

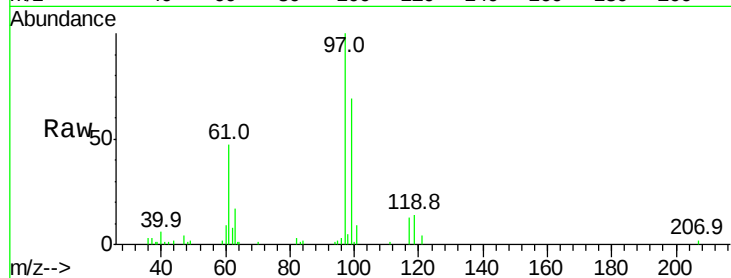
Tgt Ion: 97 Resp: 23900

Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

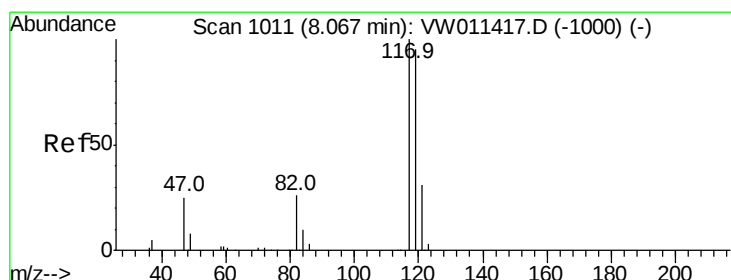
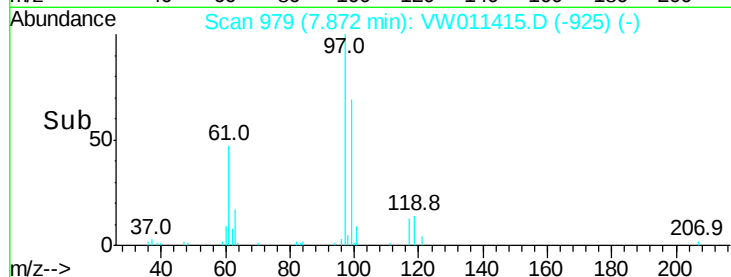
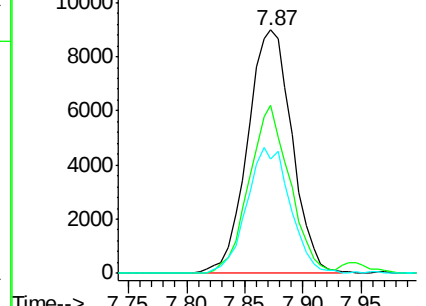
61 50.3 39.4 59.2



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.468 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011415.D

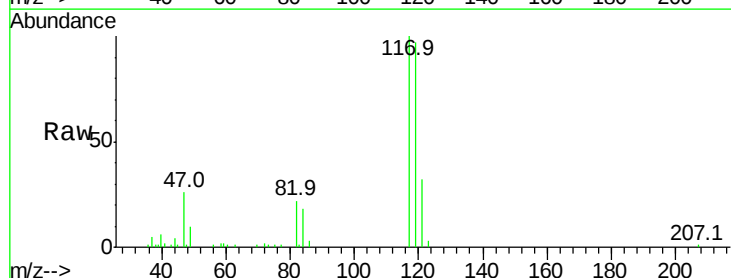
Acq: 22 Jul 2019 12:17

Tgt Ion: 117 Resp: 21330

Ion Ratio Lower Upper

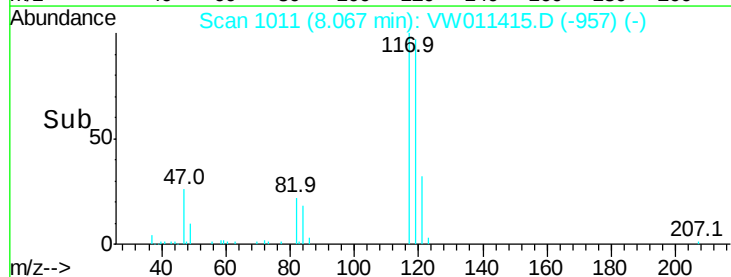
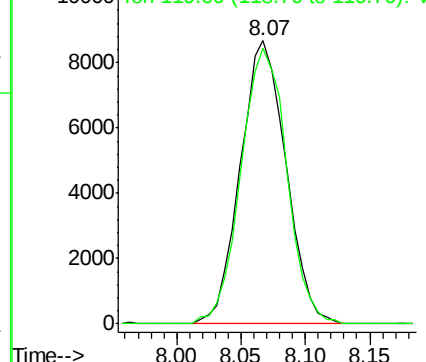
117 100

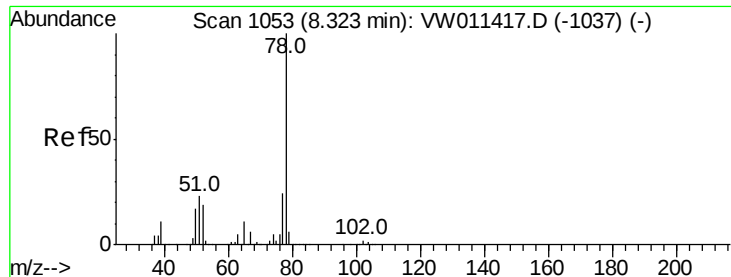
119 97.6 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.526 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

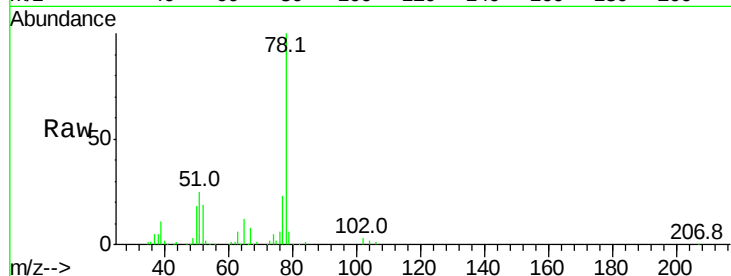
Instrument :

MSVOA_W

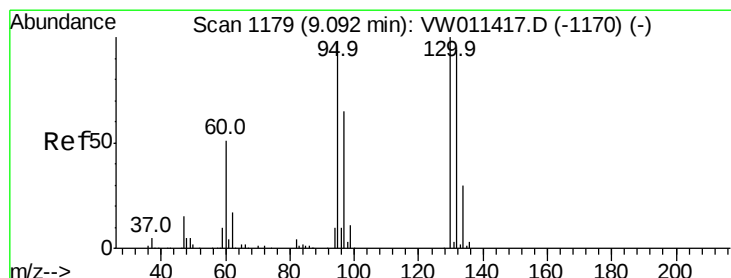
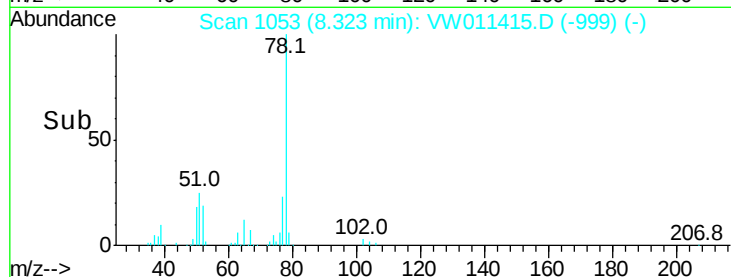
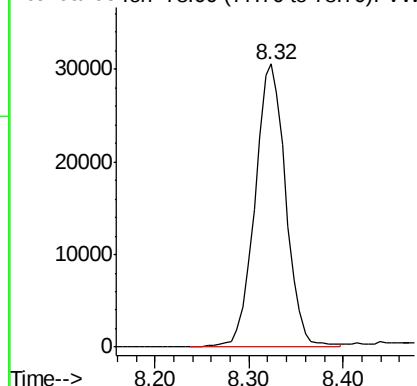
ClientSampleId :

VSTD2.504

Tgt Ion: 78 Resp: 70080



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.536 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Tgt Ion: 95 Resp: 17756

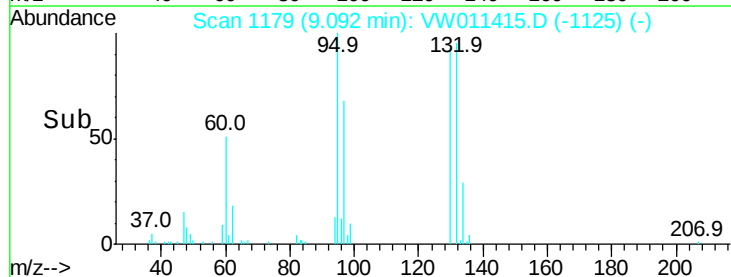
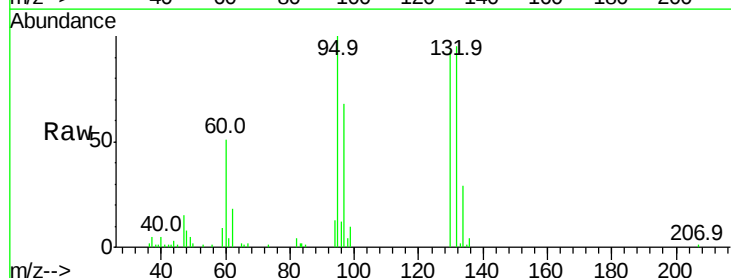
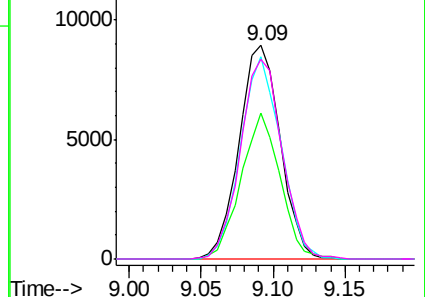
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.6	82.8
132	92.6	66.0	122.6
130	94.9	68.4	127.0

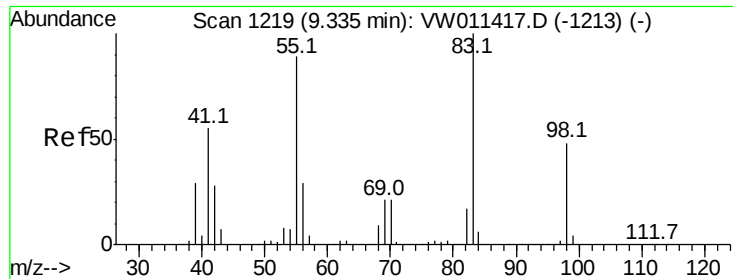
Abundance Ion 95.00 (94.70 to 95.70): VW

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

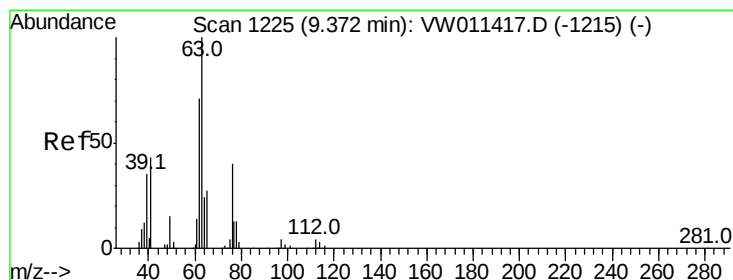
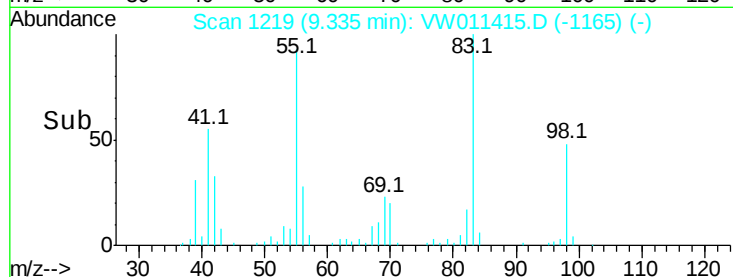
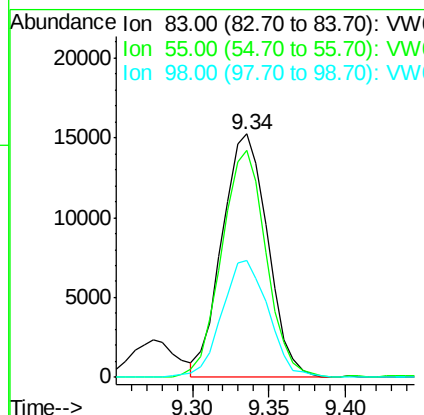
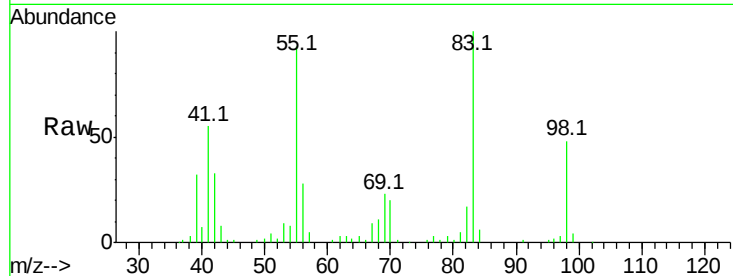




#36
Methylcyclohexane
Concen: 2.504 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

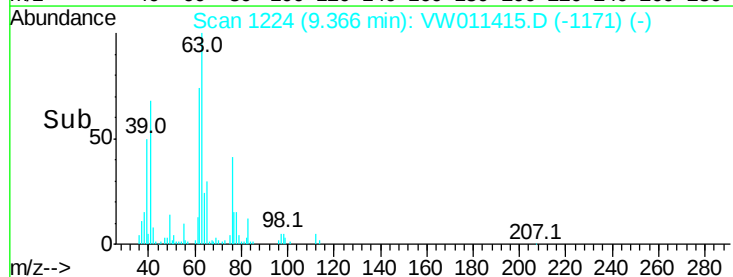
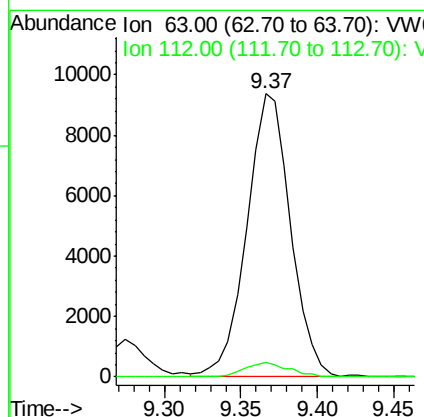
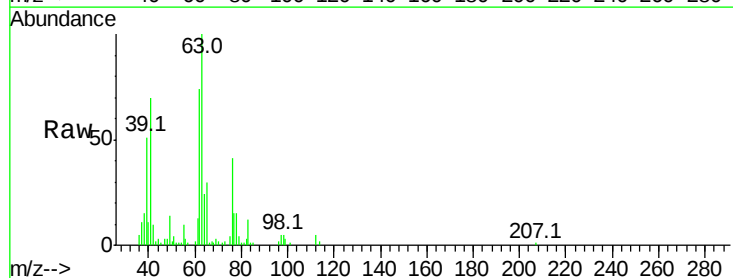
Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

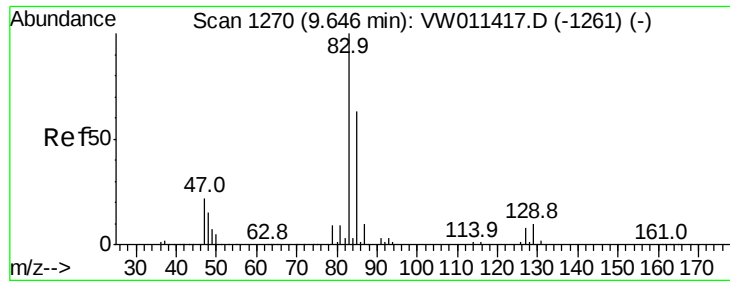
Tgt Ion: 83 Resp: 31548
Ion Ratio Lower Upper
83 100
55 91.2 71.5 107.3
98 48.9 37.4 56.2



#40
1,2-Dichloropropane
Concen: 2.447 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Tgt Ion: 63 Resp: 18604
Ion Ratio Lower Upper
63 100
112 5.1 3.2 4.8#





#41

Bromodichloromethane

Concen: 2.420 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

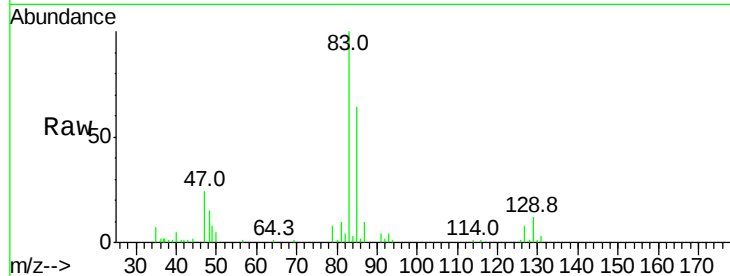
Tgt Ion: 83 Resp: 21216

Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

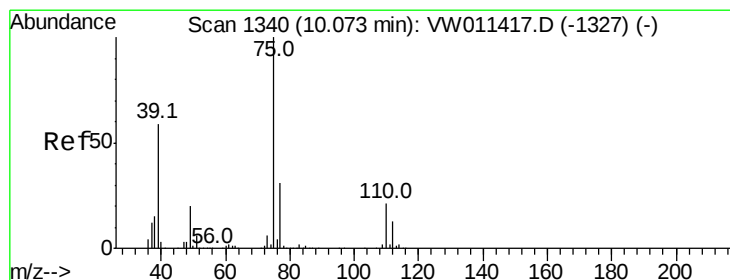
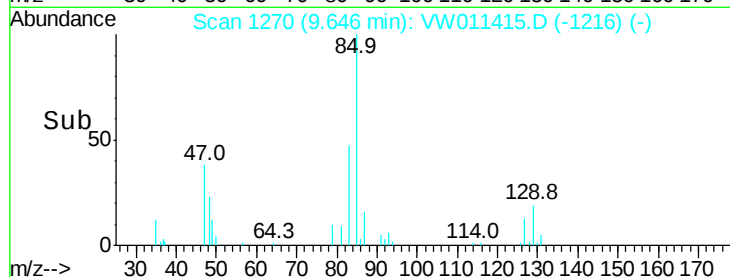
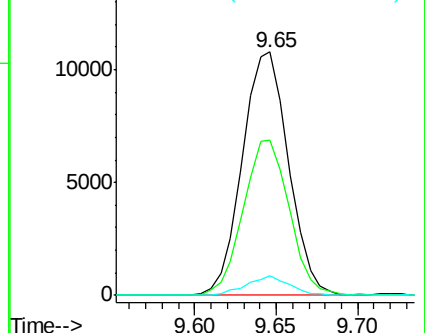
127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



#42

cis-1,3-Dichloropropene

Concen: 2.321 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011415.D

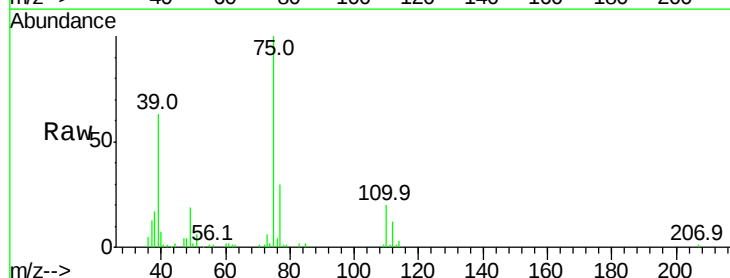
Acq: 22 Jul 2019 12:17

Tgt Ion: 75 Resp: 26041

Ion Ratio Lower Upper

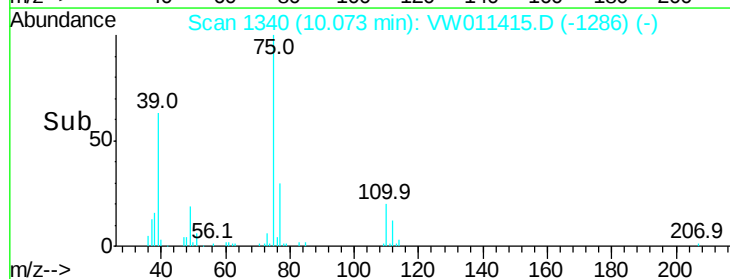
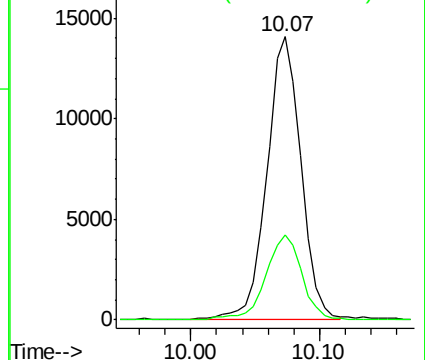
75 100

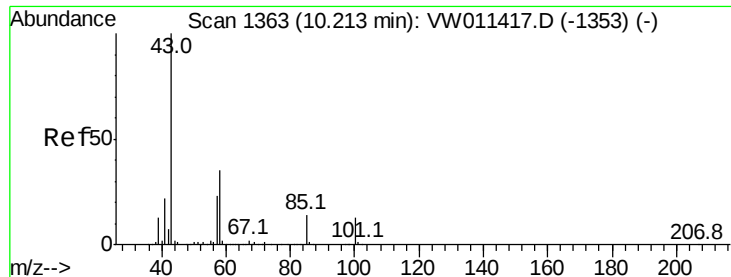
77 30.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

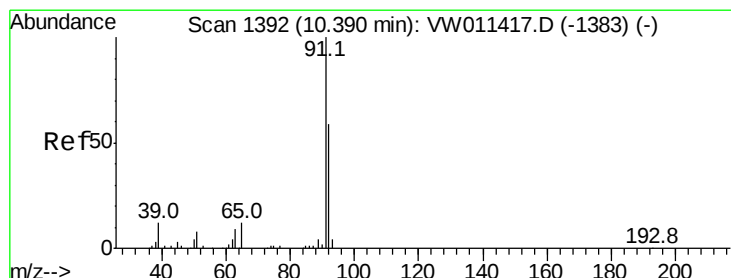
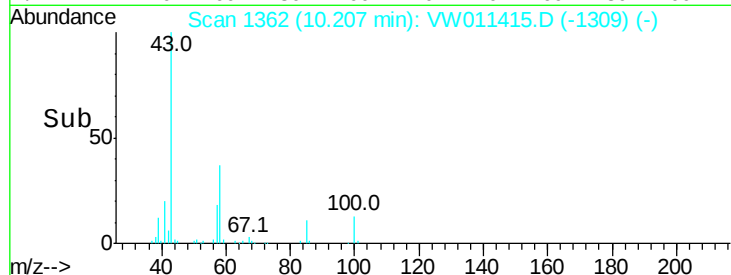
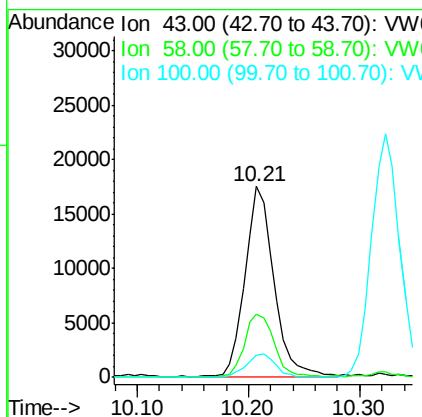
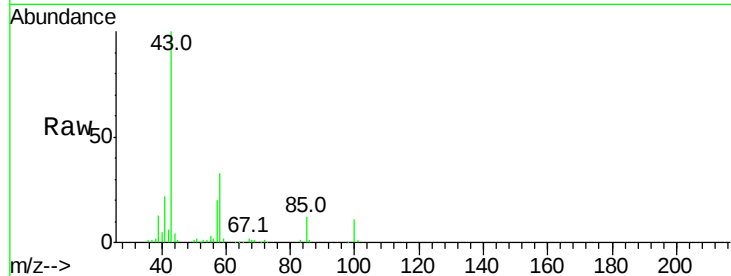




#43
 4-Methyl-2-pentanone
 Concen: 4.473 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

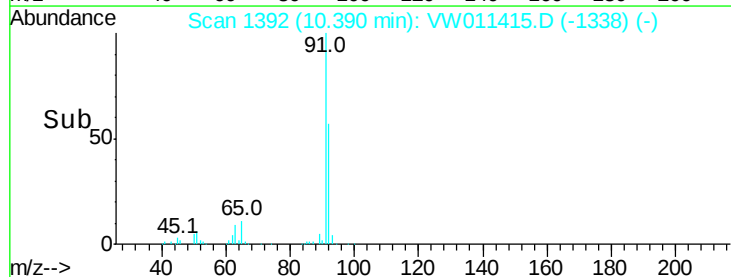
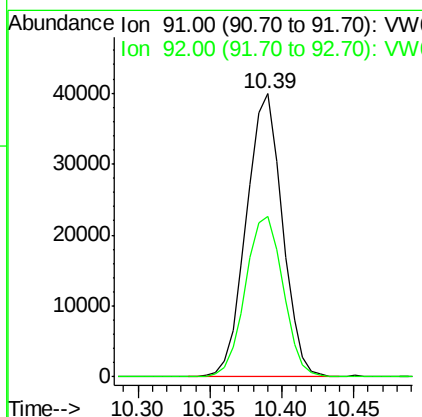
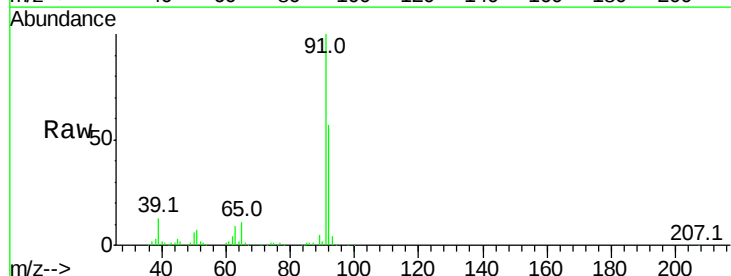
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

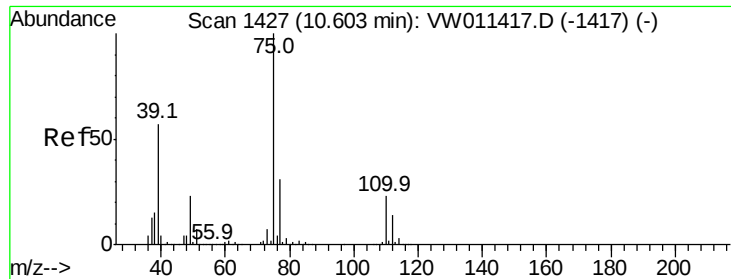
Tgt Ion: 43 Resp: 31527
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.0 42.0
 100 12.2 9.8 14.8



#44
 Toluene
 Concen: 2.409 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

Tgt Ion: 91 Resp: 69178
 Ion Ratio Lower Upper
 91 100
 92 56.6 41.2 76.4





#45

trans-1,3-Dichloropropene

Concen: 2.310 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

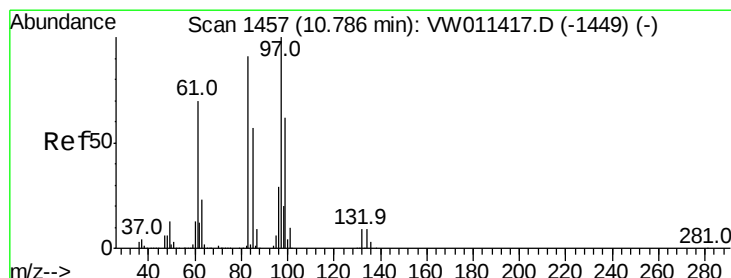
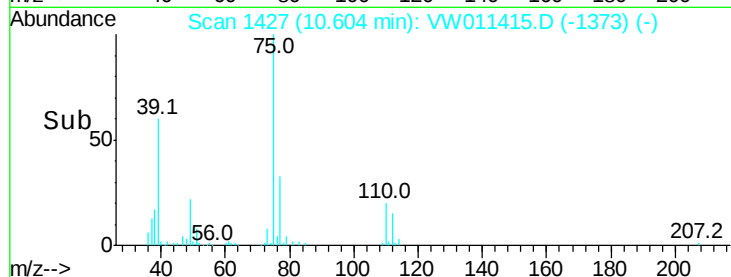
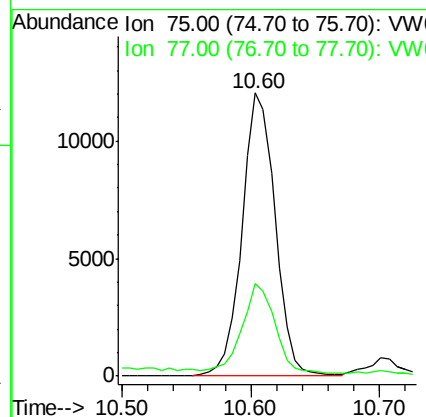
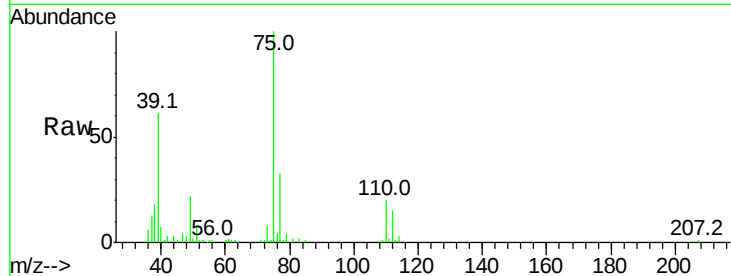
VSTD2.504

Tgt Ion: 75 Resp: 21441

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 2.385 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Tgt Ion: 97 Resp: 12554

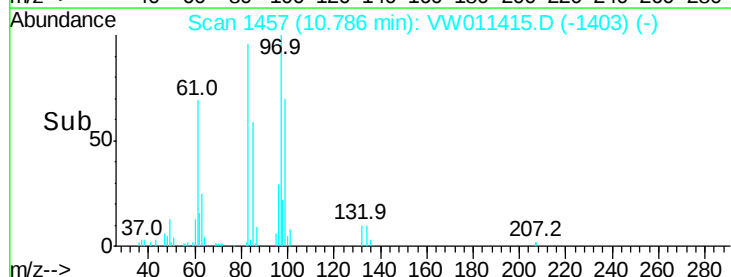
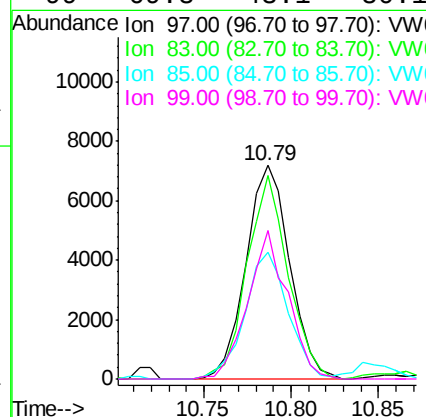
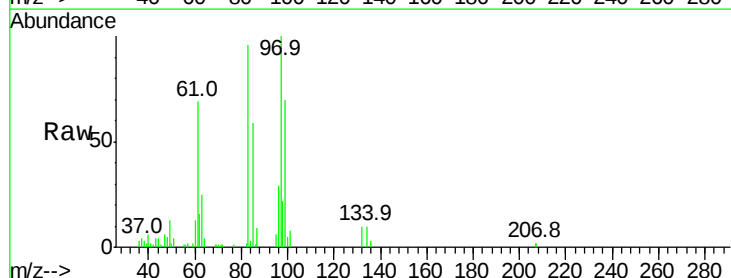
Ion Ratio Lower Upper

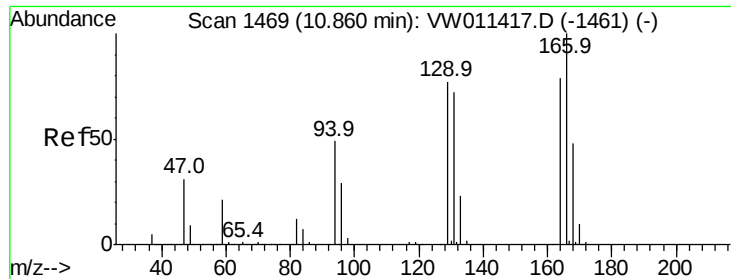
97 100

83 95.5 63.8 118.6

85 59.3 40.0 74.4

99 69.8 43.1 80.1





#47

Tetrachloroethene

Concen: 2.518 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion:164 Resp: 13322

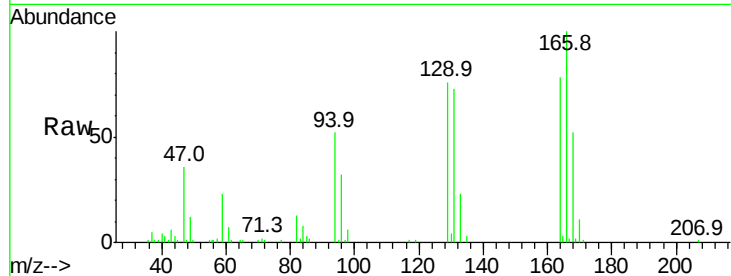
Ion Ratio Lower Upper

164 100

129 97.4 69.0 128.1

131 93.9 64.5 119.7

166 128.0 89.2 165.6

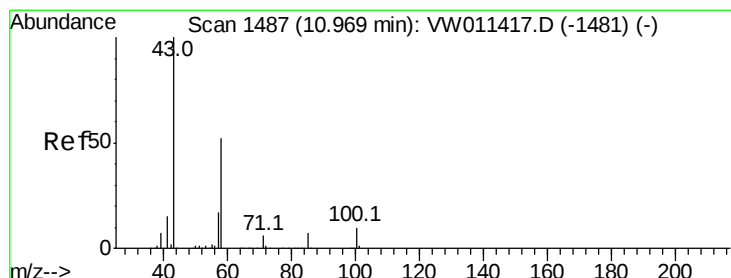
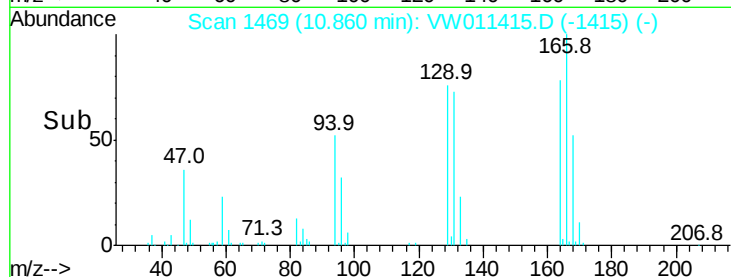
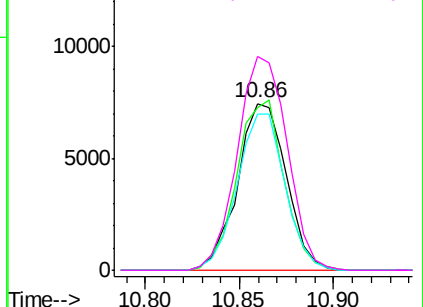


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.387 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Tgt Ion: 43 Resp: 22506

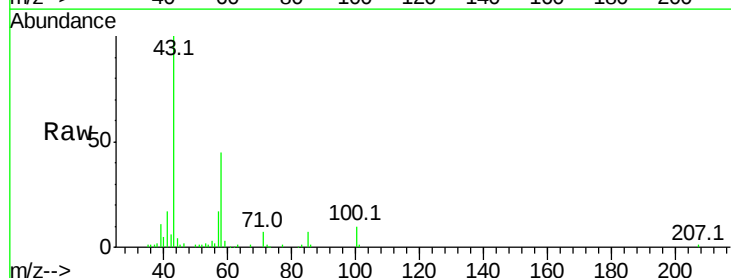
Ion Ratio Lower Upper

43 100

58 47.9 40.1 60.1

57 17.0 13.8 20.6

100 9.7 7.8 11.6

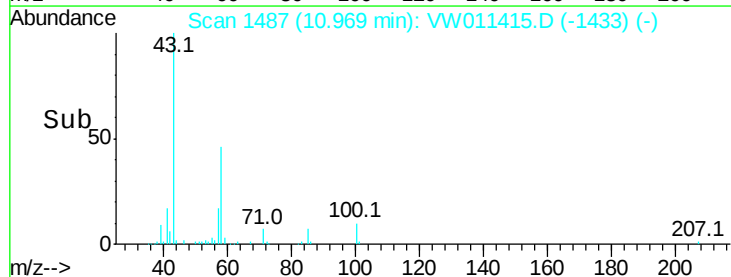
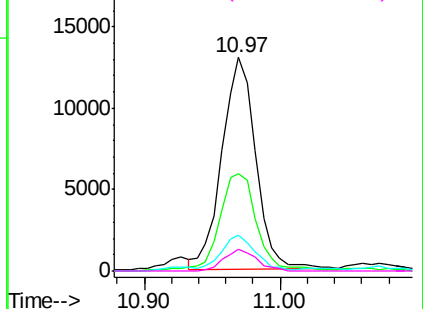


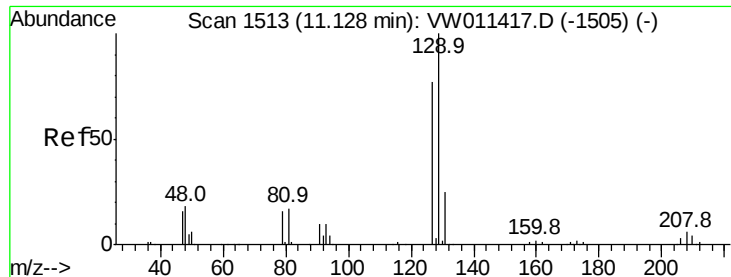
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.361 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

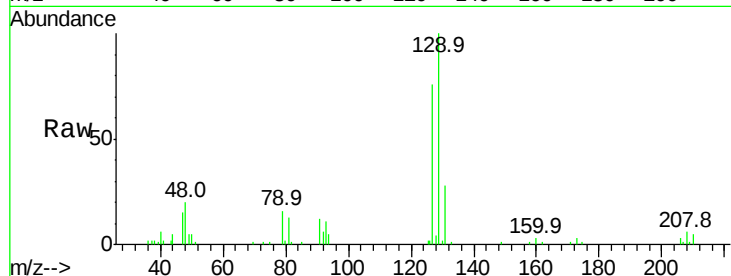
VSTD2.504

Tgt Ion:129 Resp: 13239

Ion Ratio Lower Upper

129 100

127 76.1 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

8000

6000

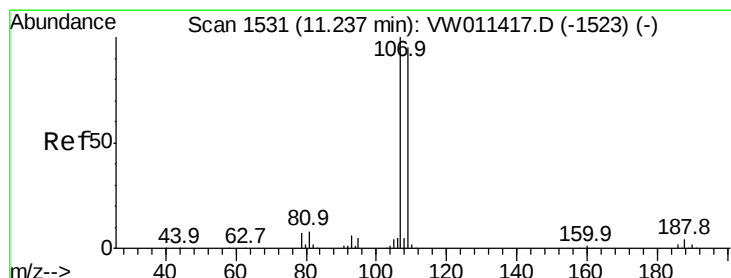
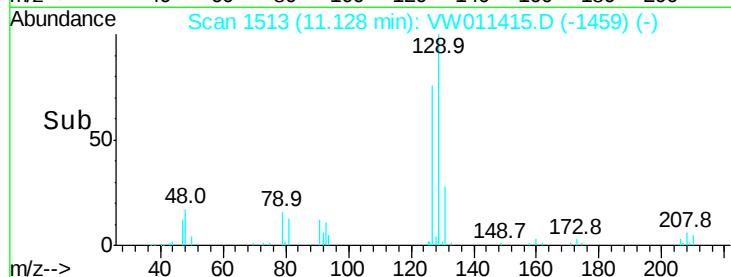
4000

2000

0

Time-->

11.10 11.15



#51

1,2-Dibromoethane

Concen: 2.329 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

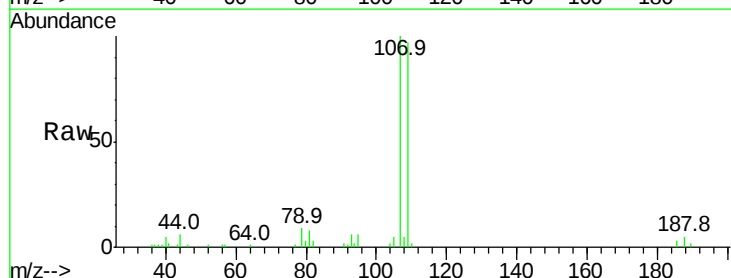
Tgt Ion:107 Resp: 11839

Ion Ratio Lower Upper

107 100

109 96.7 66.8 124.2

188 5.1 3.0 4.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23

8000

6000

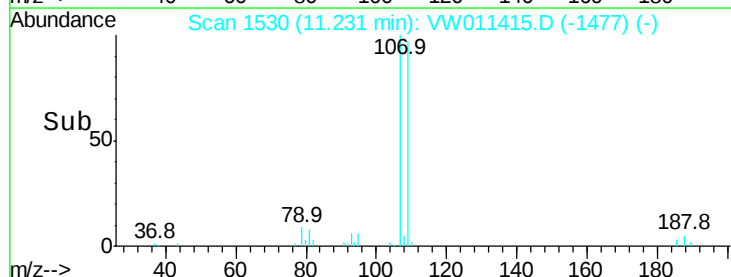
4000

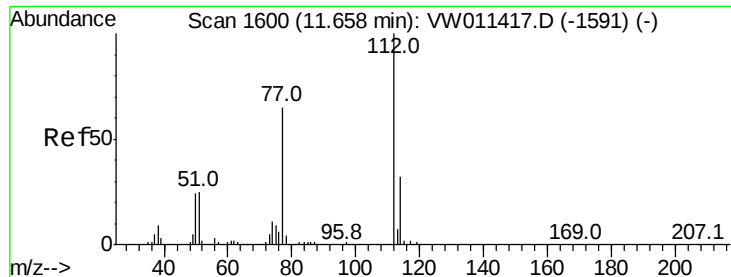
2000

0

Time-->

11.20 11.25 11.30





#52

Chlorobenzene

Concen: 2.452 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

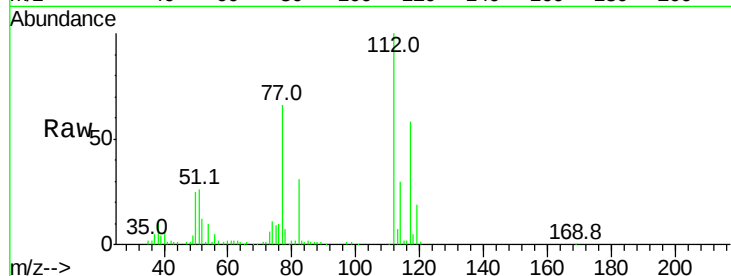
Tgt Ion: 112 Resp: 43025

Ion Ratio Lower Upper

112 100

77 66.3 52.2 78.2

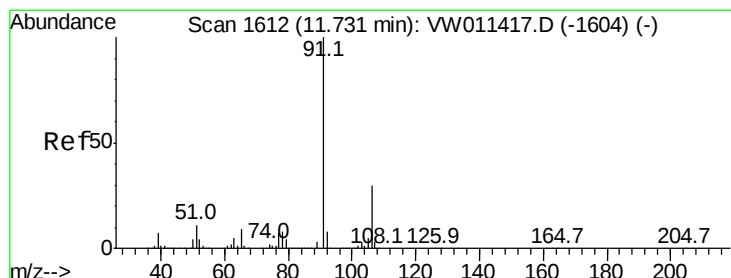
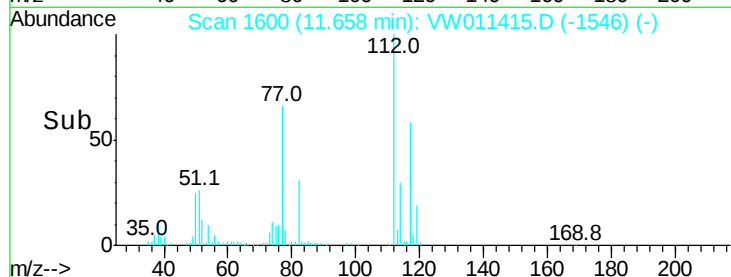
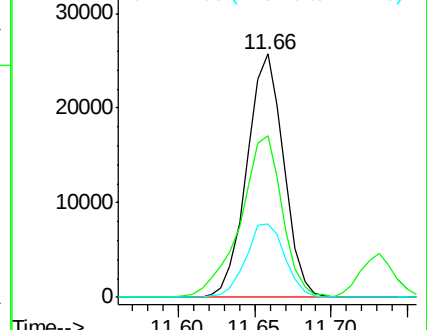
114 30.4 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.415 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011415.D

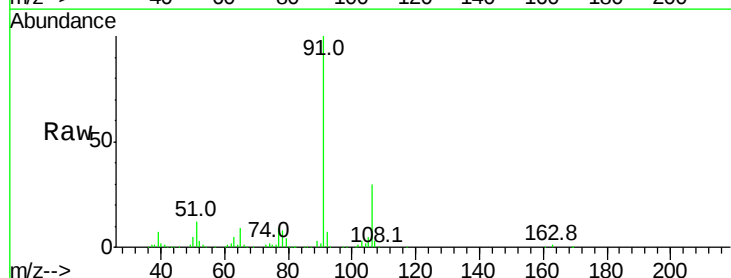
Acq: 22 Jul 2019 12:17

Tgt Ion: 91 Resp: 78666

Ion Ratio Lower Upper

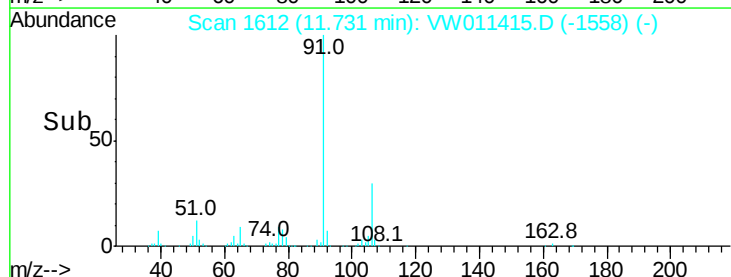
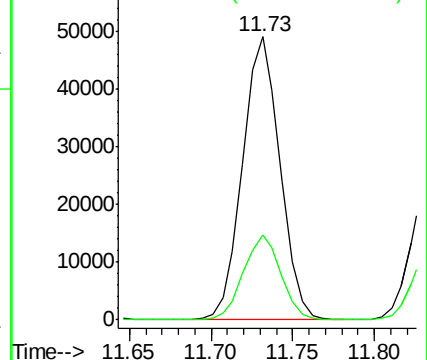
91 100

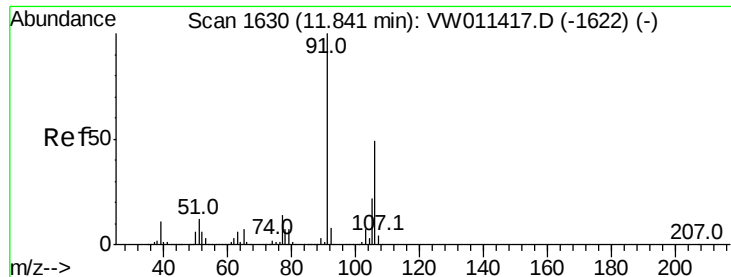
106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.440 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

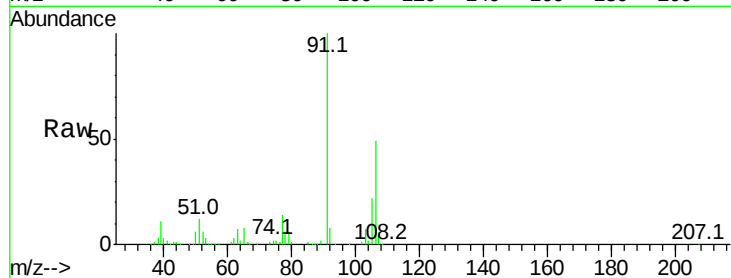
VSTD2.504

Tgt Ion:106 Resp: 28861

Ion Ratio Lower Upper

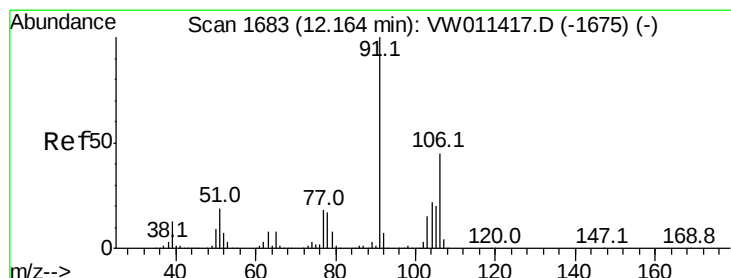
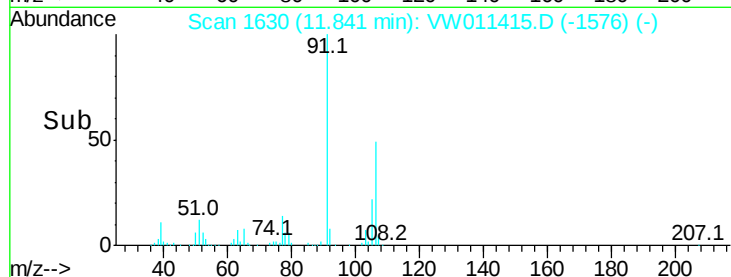
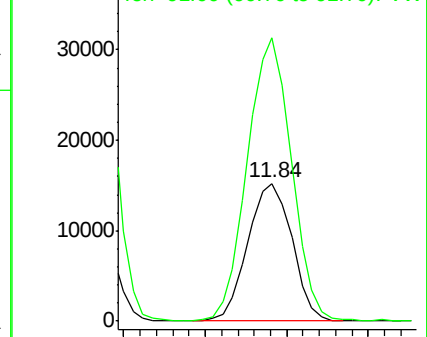
106 100

91 205.6 143.7 266.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.406 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011415.D

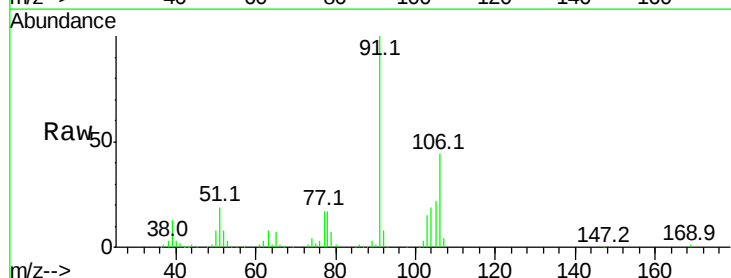
Acq: 22 Jul 2019 12:17

Tgt Ion:106 Resp: 27074

Ion Ratio Lower Upper

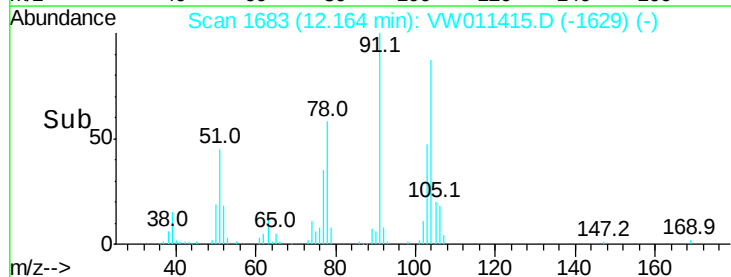
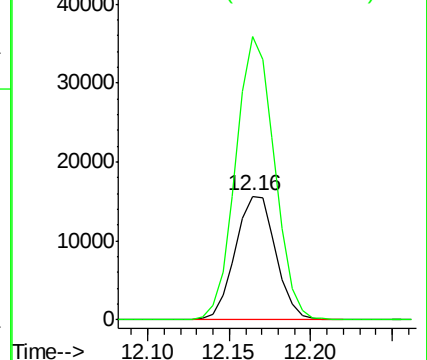
106 100

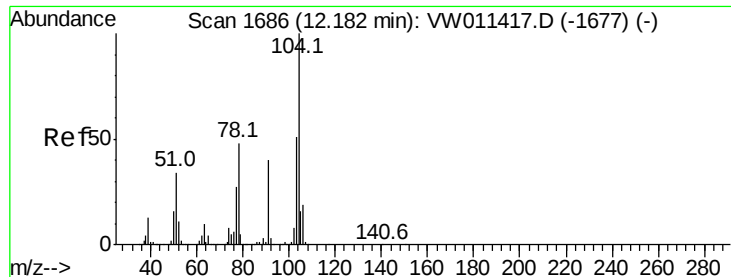
91 229.0 155.5 288.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.228 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

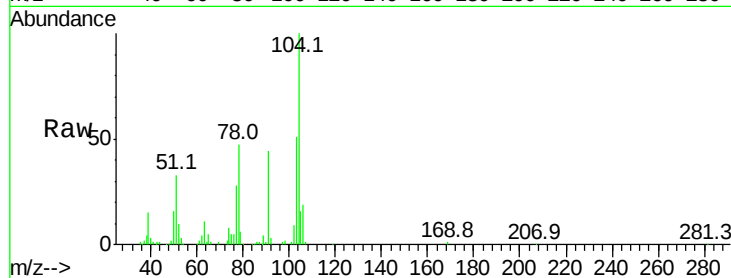
VSTD2.504

Tgt Ion:104 Resp: 43003

Ion Ratio Lower Upper

104 100

78 47.1 33.5 62.1

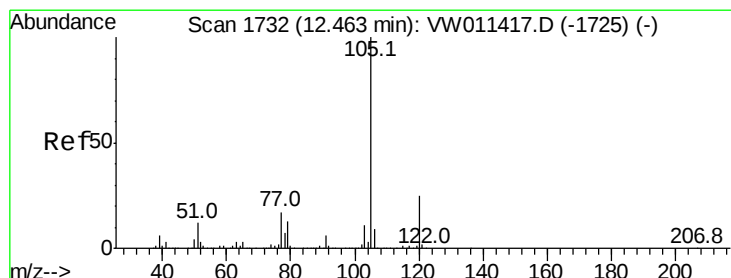
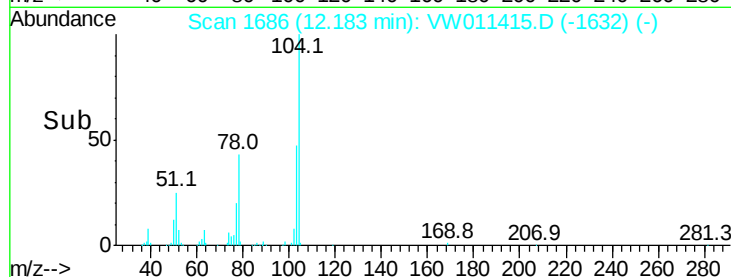


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

Time-->



#57

Isopropylbenzene

Concen: 2.352 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

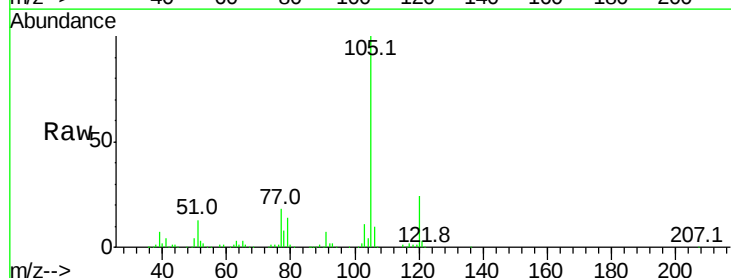
Tgt Ion:105 Resp: 72243

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

77 17.6 13.3 19.9



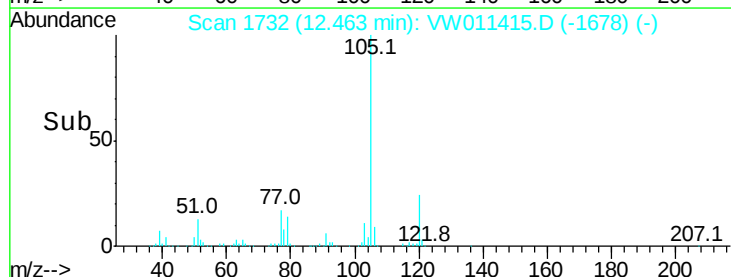
Abundance Ion 105.00 (104.70 to 105.70): V

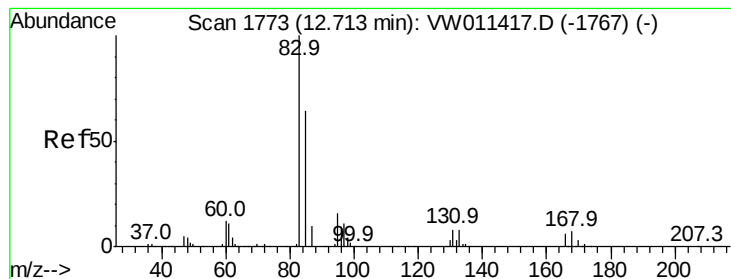
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

12.46

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 2.321 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

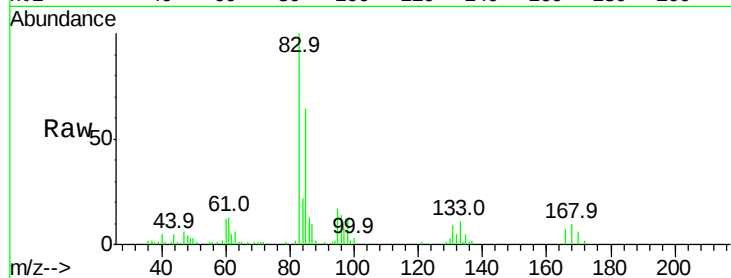
Tgt Ion: 83 Resp: 16256

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

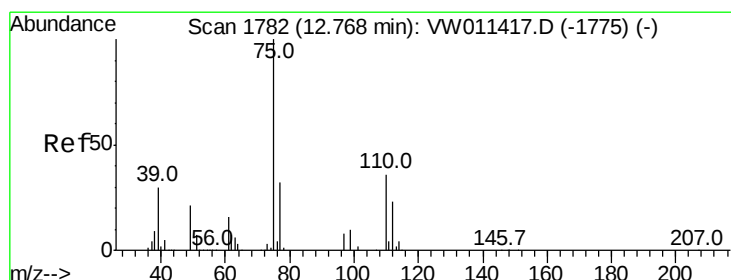
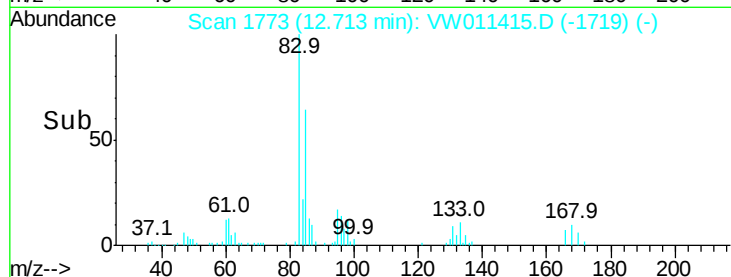
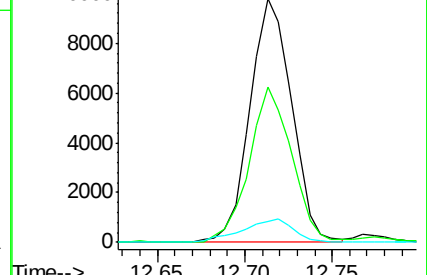
131 8.7 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 2.335 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011415.D

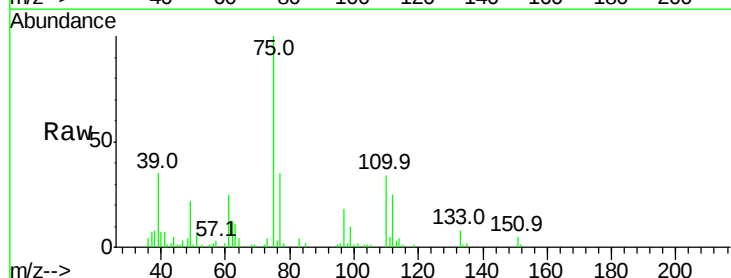
Acq: 22 Jul 2019 12:17

Tgt Ion: 75 Resp: 12557

Ion Ratio Lower Upper

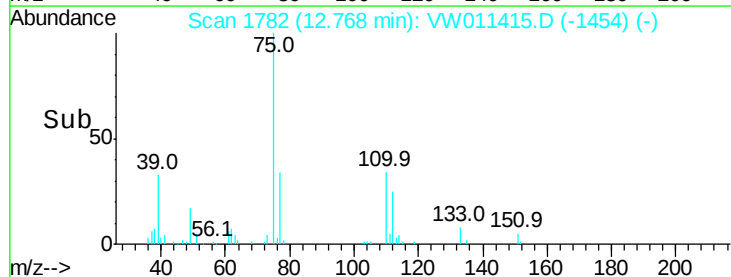
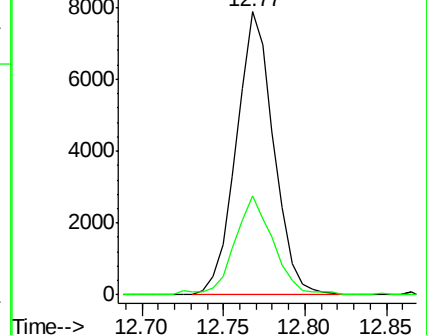
75 100

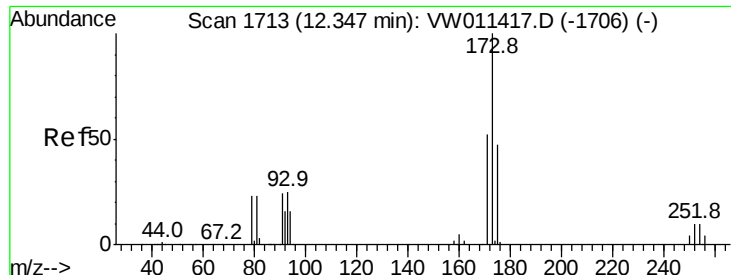
77 33.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

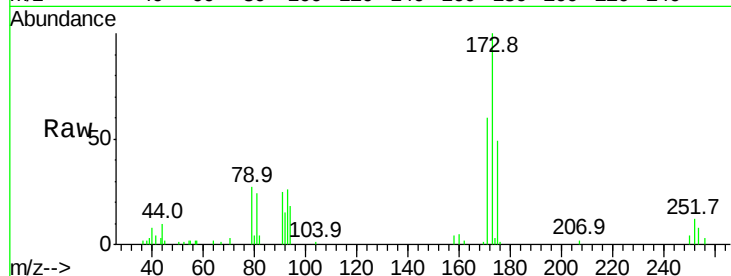




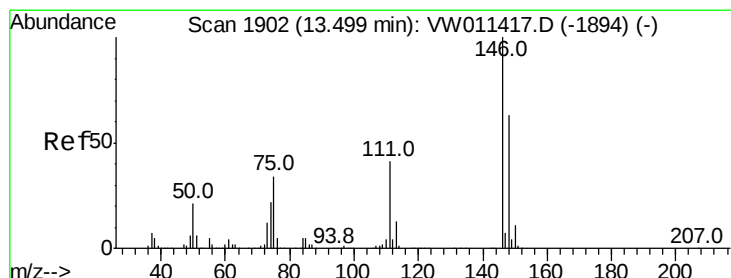
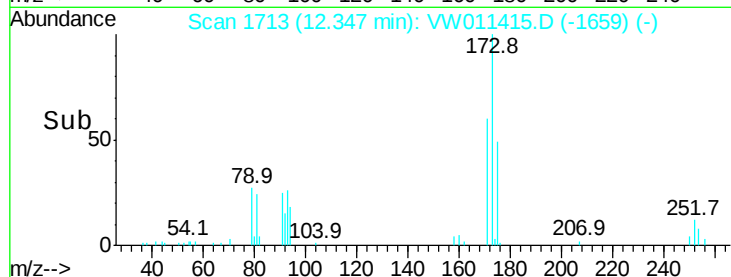
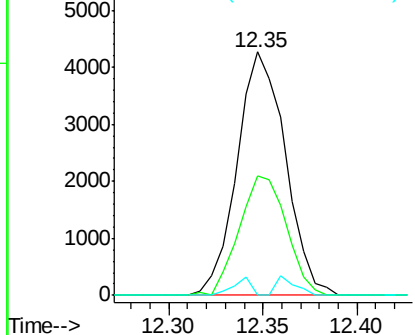
#62
Bromoform
Concen: 2.417 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tgt Ion:173 Resp: 7588
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.4
254 2.8 8.5 12.7#

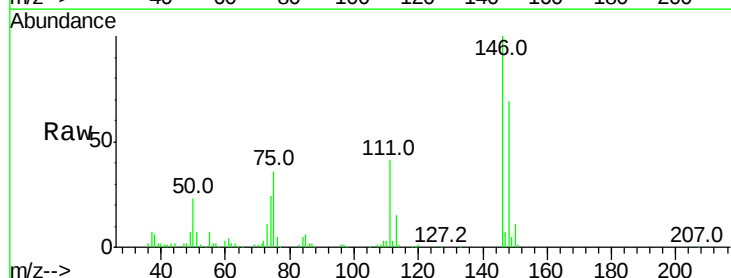


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

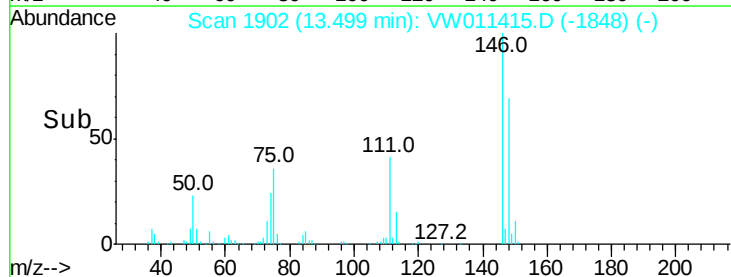
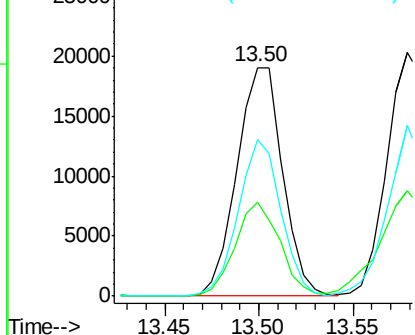


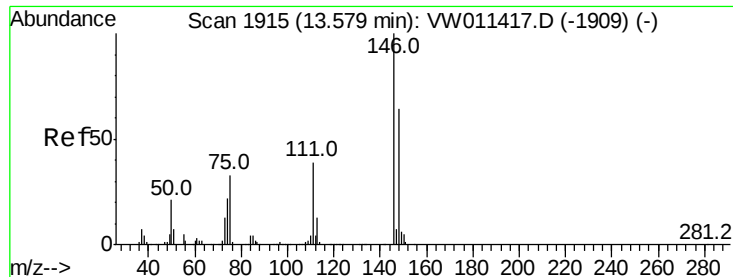
#63
1,3-Dichlorobenzene
Concen: 2.479 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW011415.D
Acq: 22 Jul 2019 12:17

Tgt Ion:146 Resp: 32128
Ion Ratio Lower Upper
146 100
111 41.0 29.0 53.8
148 68.7 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.522 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

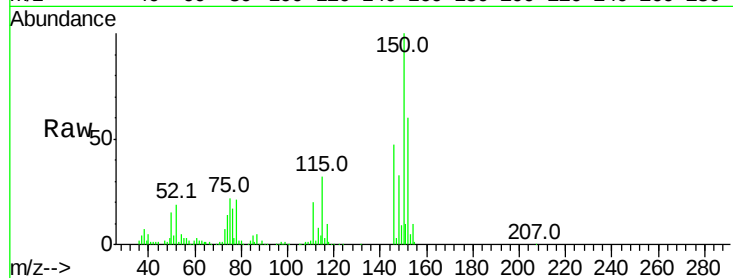
Tgt Ion:146 Resp: 33461

Ion Ratio Lower Upper

146 100

111 43.4 27.8 51.6

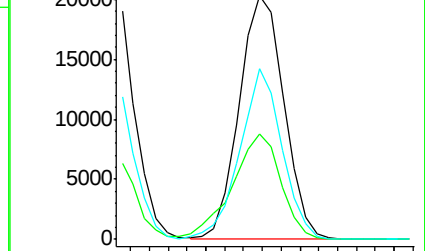
148 69.9 44.9 83.5



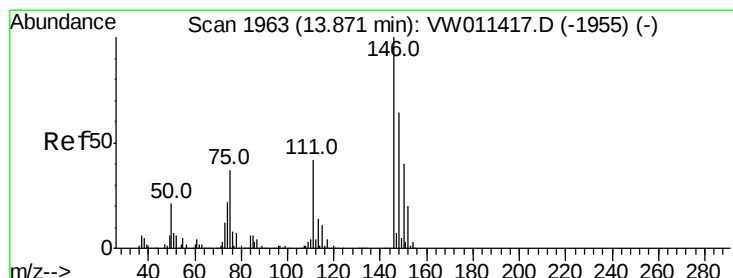
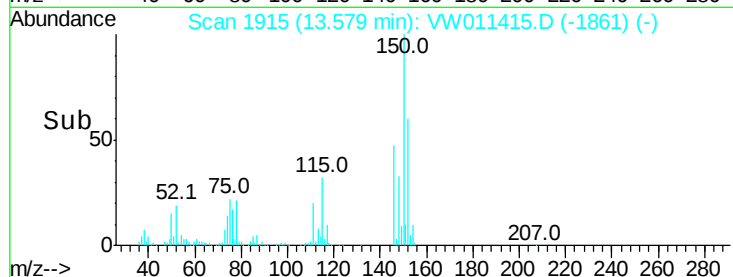
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#65

1,2-Dichlorobenzene

Concen: 2.521 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

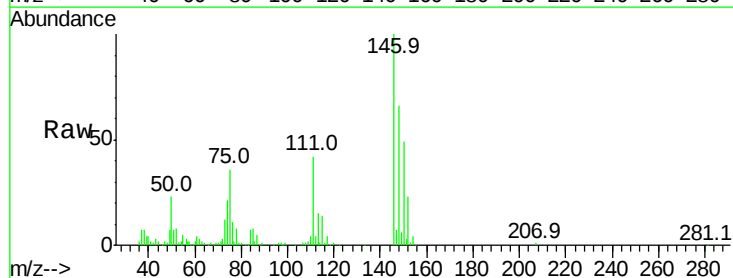
Tgt Ion:146 Resp: 30418

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.8

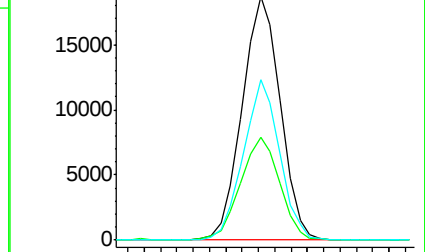
148 65.9 51.6 77.4



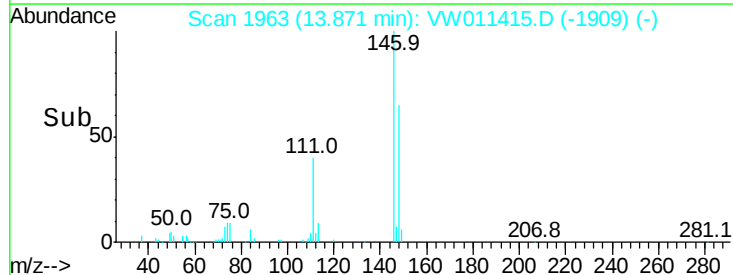
Abundance Ion 146.00 (145.70 to 146.70): V

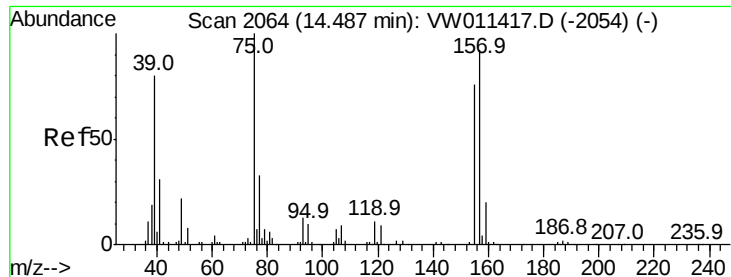
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->

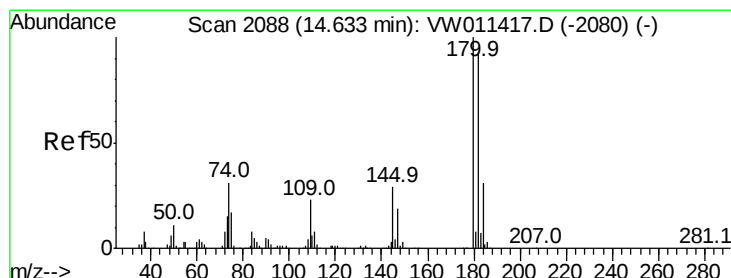
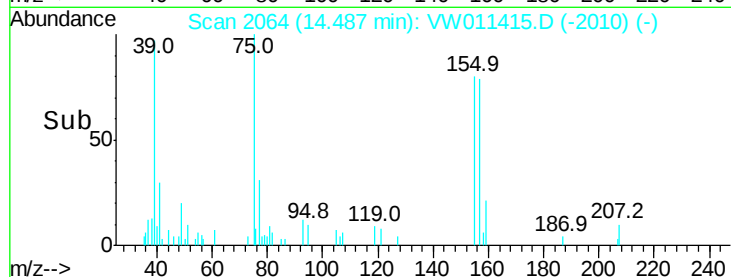
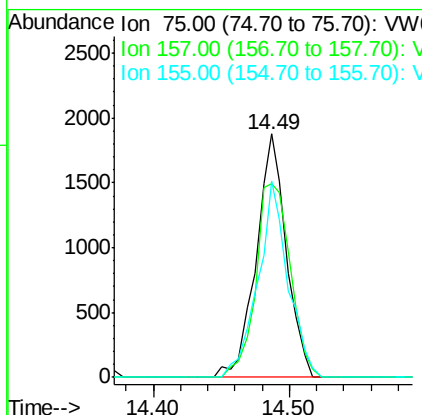
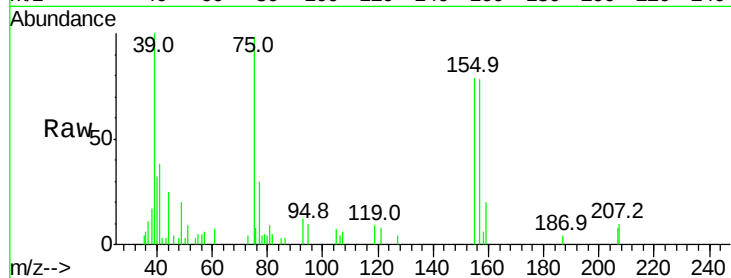




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.461 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

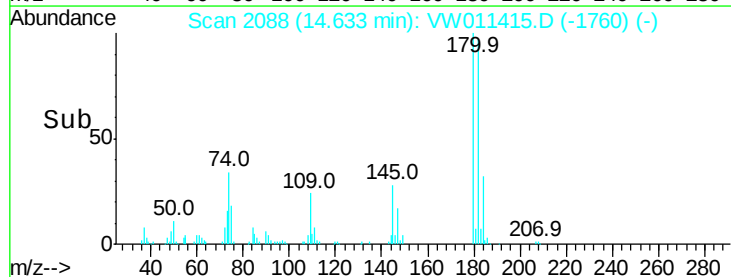
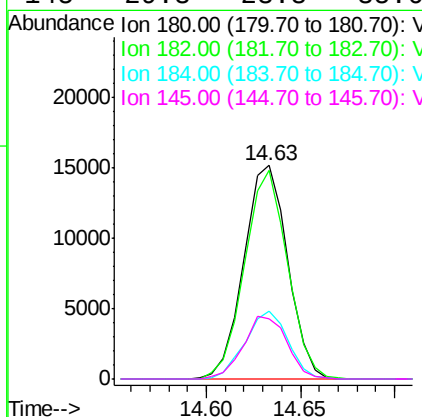
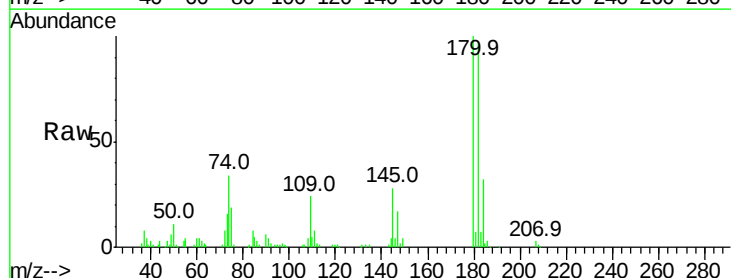
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

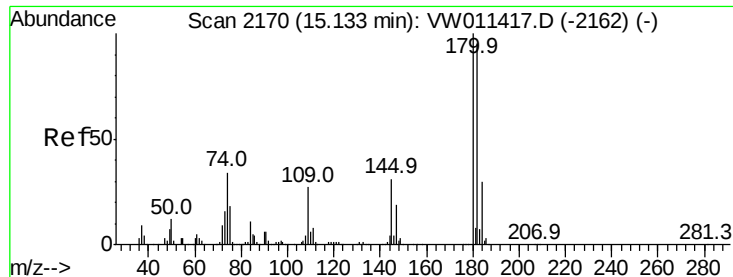
Tgt Ion: 75 Resp: 2915
 Ion Ratio Lower Upper
 75 100
 157 79.3 73.7 110.5
 155 80.5 61.0 91.6



#67
 1,3,5-Trichlorobenzene
 Concen: 2.501 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

Tgt Ion: 180 Resp: 24558
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 184 31.0 24.7 37.1
 145 29.3 23.8 35.6

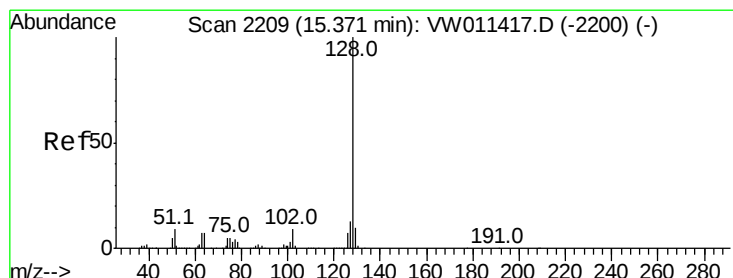
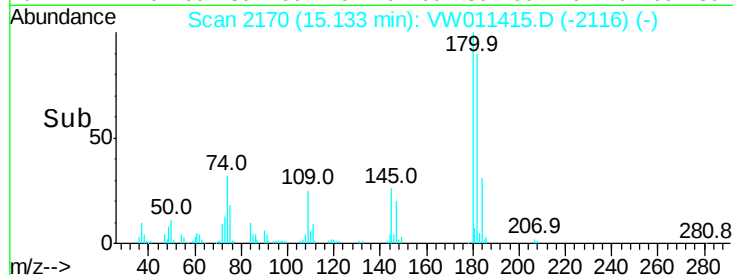
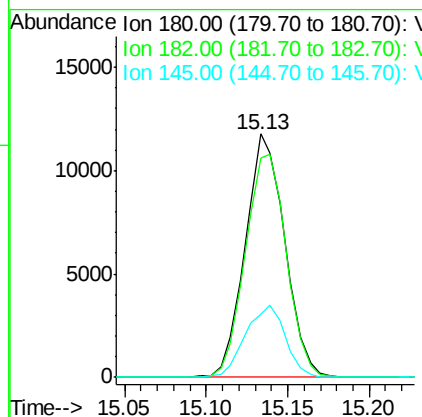
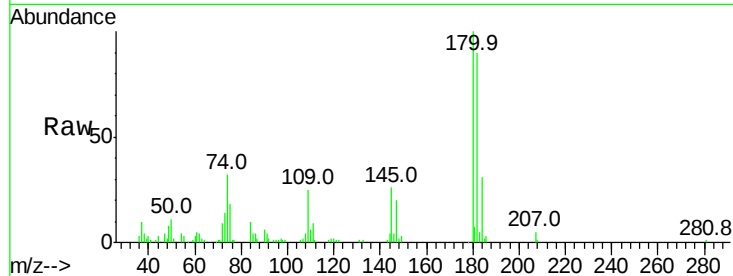




#68
 1,2,4-trichlorobenzene
 Concen: 2.414 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

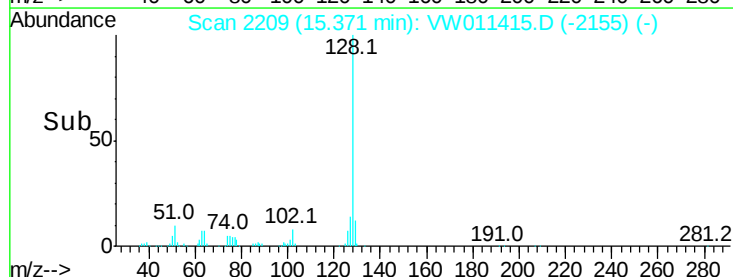
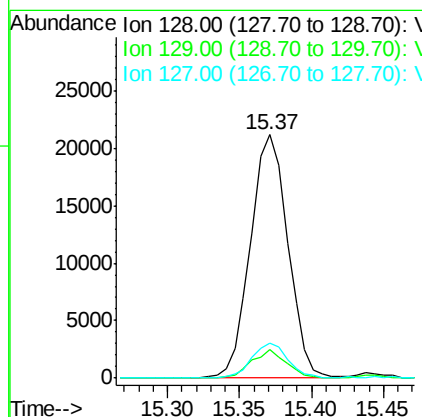
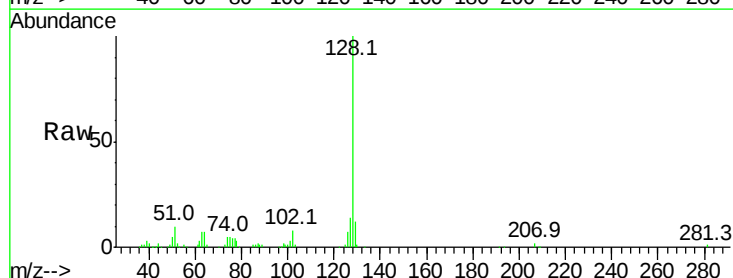
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

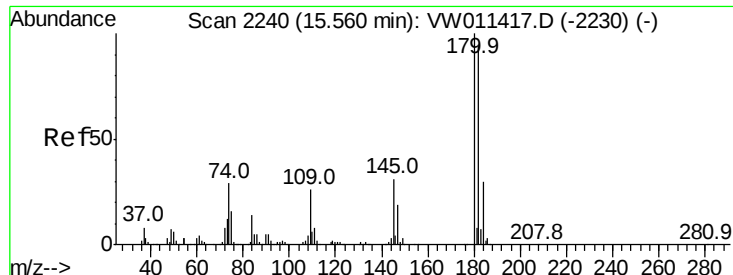
Tgt Ion:180 Resp: 19864
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.4 114.6
 145 29.7 24.2 36.2



#69
 Naphthalene
 Concen: 2.220 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011415.D
 Acq: 22 Jul 2019 12:17

Tgt Ion:128 Resp: 38251
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.5 12.7
 127 13.9 10.5 15.7





#70

1,2,3-Trichlorobenzene

Concen: 2.474 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011415.D

Acq: 22 Jul 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion:180 Resp: 18623

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.8

145 31.6 25.3 37.9

