

Data File : VW011416.D
Acq On : 22 Jul 2019 12:44
Operator : SY/VA
Sample : VSTD00516
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Quant Time: Jul 22 13:45:22 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	461487	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	403824	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195410	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	32334	4.59	ug/L	0.00
7) Chloroethane-d5	2.89	69	22952	4.64	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	71050	4.76	ug/L	0.00
20) 2-Butanone-d5	7.27	46	138	0.05	ug/L	0.19
24) Chloroform-d	7.65	84	62378	4.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	36688	4.71	ug/L	0.00
29) Benzene-d6	8.27	84	128425	5.16	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	41360	5.11	ug/L	0.00
37) Toluene-d8	10.32	98	113896	5.14	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	16403	4.76	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	15265	8.22	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31281	4.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	38538	5.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20818	3.668 ug/L	87
3) Chloromethane	2.21	50	33511	5.438 ug/L	100
5) Vinyl chloride	2.36	62	40464	5.031 ug/L	97
6) Bromomethane	2.78	94	19250	5.116 ug/L	99
8) Chloroethane	2.92	64	21763	5.354 ug/L	99
9) Trichlorofluoromethane	3.25	101	17248	6.263 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	30269	4.933 ug/L	99
12) 1,1-Dichloroethene	4.04	96	30291	4.995 ug/L	82
13) Acetone	4.12	43	23528	8.678 ug/L	100
14) Carbon disulfide	4.38	76	98946	5.704 ug/L	96
15) Methyl Acetate	4.67	43	19498	4.420 ug/L	99
16) Methylene chloride	4.92	84	36002	5.309 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	47654	5.067 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	31997	5.221 ug/L	97
19) 1,1-Dichloroethane	6.21	63	62677	5.038 ug/L	99
21) 2-Butanone	7.17	43	31613	9.032 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	33743	5.087 ug/L	97
23) Bromochloromethane	7.52	128	13922	5.002 ug/L	89
25) Chloroform	7.68	83	59273	5.030 ug/L	100
27) 1,2-Dichloroethane	8.40	62	42101	4.674 ug/L	98
30) Cyclohexane	7.95	56	66408	5.409 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	45940	5.481 ug/L	98
32) Carbon tetrachloride	8.07	117	42274	5.378 ug/L	99
34) Benzene	8.32	78	134500	5.329 ug/L	100
35) Trichloroethene	9.09	95	34801	5.464 ug/L	98
36) Methylcyclohexane	9.34	83	61041	5.326 ug/L	99
40) 1,2-Dichloropropane	9.37	63	36340	5.255 ug/L	100
41) Bromodichloromethane	9.65	83	41616	5.219 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	51549	5.052 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	54410	8.487 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	138909	5.317	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	42575	5.042	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	23673	4.943	ug/L	96
47) Tetrachloroethene	10.86	164	26858	5.580	ug/L	97
49) 2-Hexanone	10.97	43	40091	8.591	ug/L	97
50) Dibromochloromethane	11.13	129	24730	4.849	ug/L	93
51) 1,2-Dibromoethane	11.24	107	22431	4.851	ug/L	98
52) Chlorobenzene	11.66	112	84164	5.274	ug/L	95
53) Ethylbenzene	11.73	91	155602	5.251	ug/L	99
54) m,p-Xylene	11.84	106	56421	5.244	ug/L	99
55) o-xylene	12.16	106	52980	5.177	ug/L	100
56) Styrene	12.18	104	88632	5.048	ug/L	98
57) Isopropylbenzene	12.46	105	145153	5.196	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	30080	4.721	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	22733	4.646	ug/L	97
62) Bromoform	12.35	173	14167	4.865	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	61911	5.150	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	63941	5.195	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	57691	5.155	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4699	4.277	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	46802	5.138	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	38443	5.038	ug/L	99
69) Naphthalene	15.37	128	68210	4.268	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	34580	4.953	ug/L	100

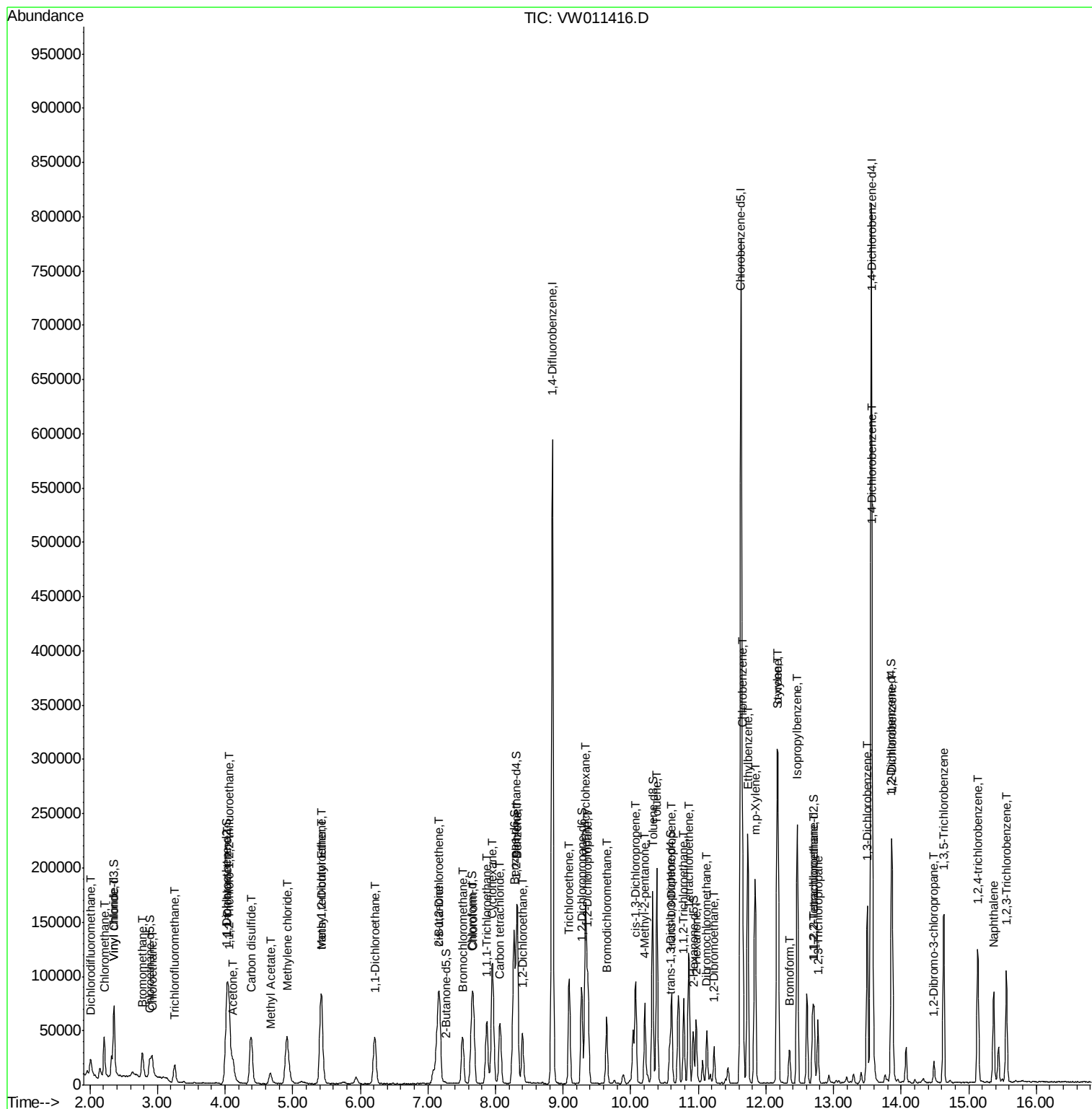
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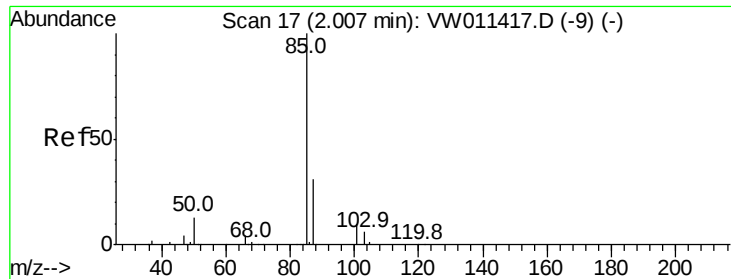
Data File : VW011416.D

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#2

Dichlorodifluoromethane

Concen: 3.668 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

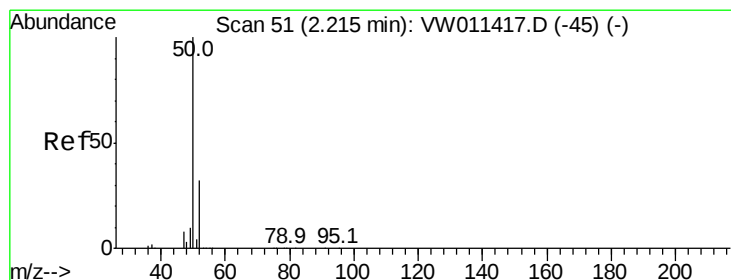
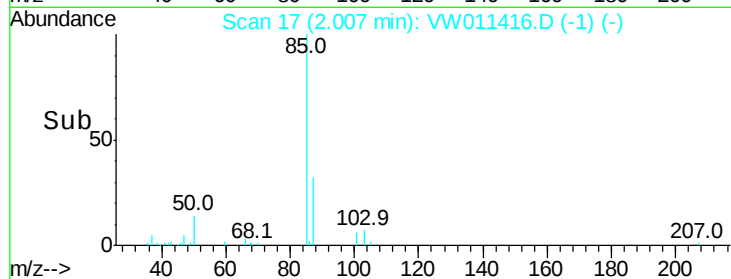
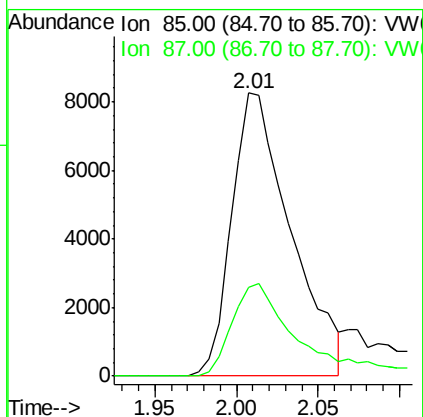
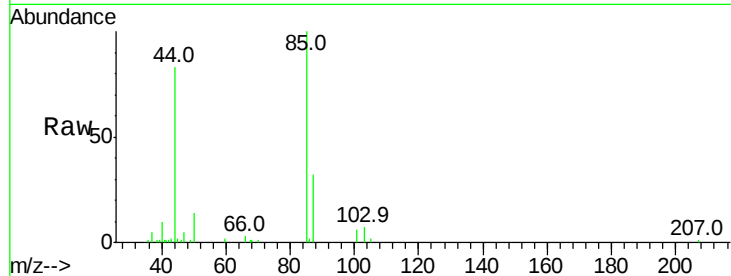
VSTD00505

Tgt Ion: 85 Resp: 20818

Ion Ratio Lower Upper

85 100

87 36.2 20.6 38.2



#3

Chloromethane

Concen: 5.438 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011416.D

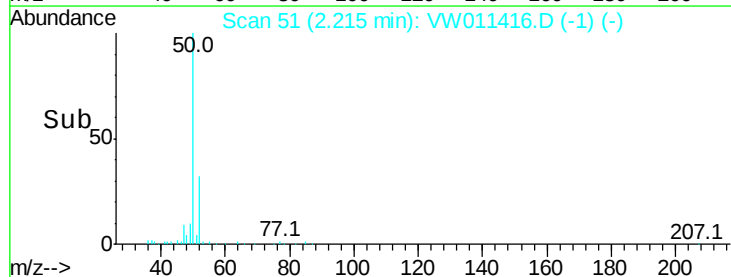
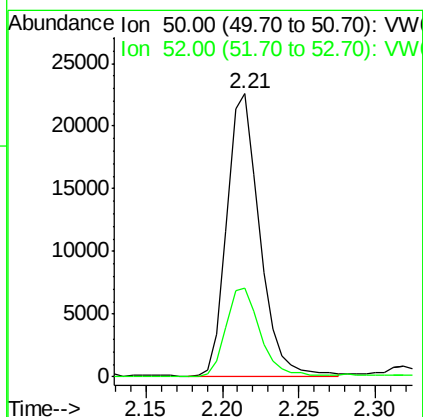
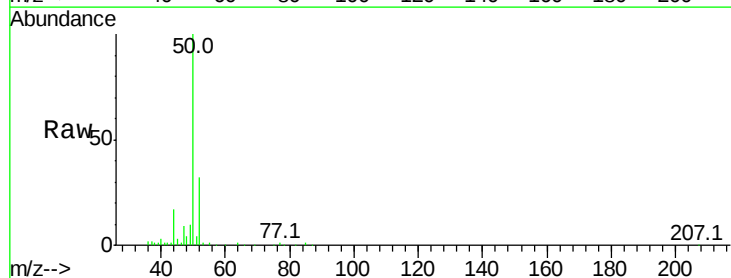
Acq: 22 Jul 2019 12:44

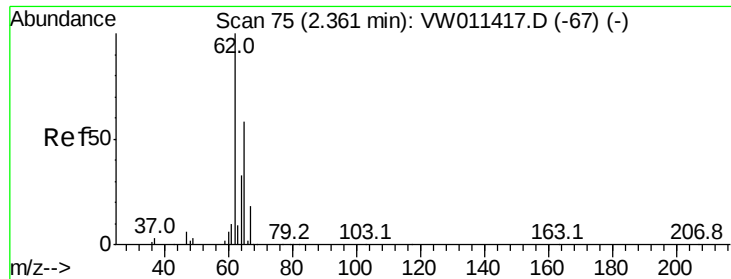
Tgt Ion: 50 Resp: 33511

Ion Ratio Lower Upper

50 100

52 31.5 22.0 41.0





#5

Vinyl chloride

Concen: 5.031 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

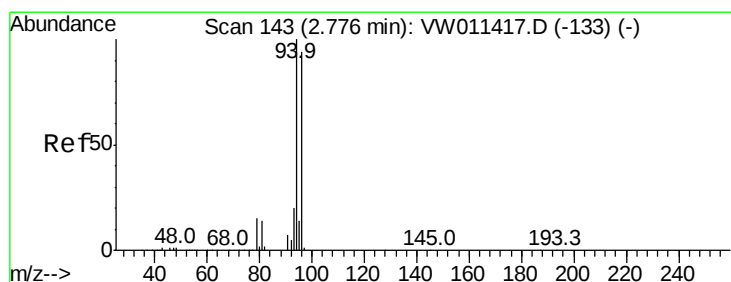
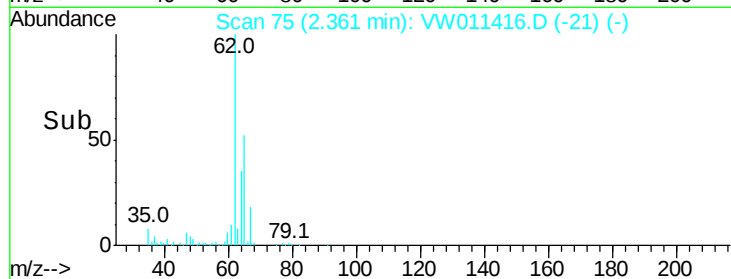
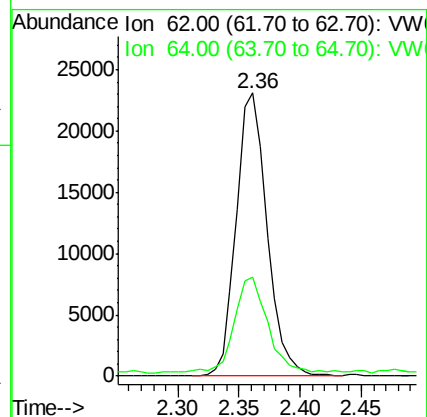
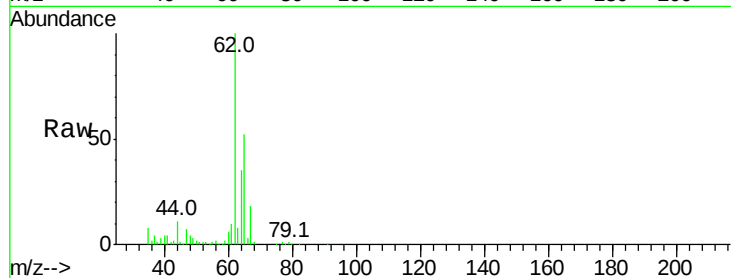
VSTD00505

Tgt Ion: 62 Resp: 40464

Ion Ratio Lower Upper

62 100

64 35.1 23.3 43.3



#6

Bromomethane

Concen: 5.116 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011416.D

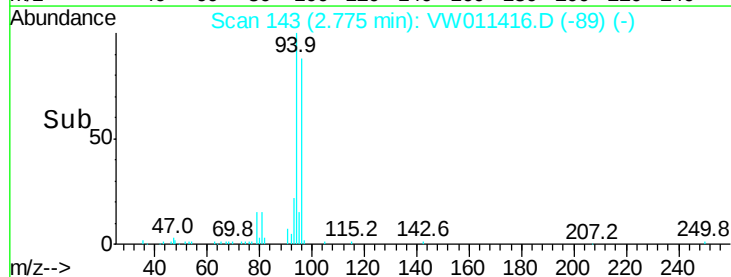
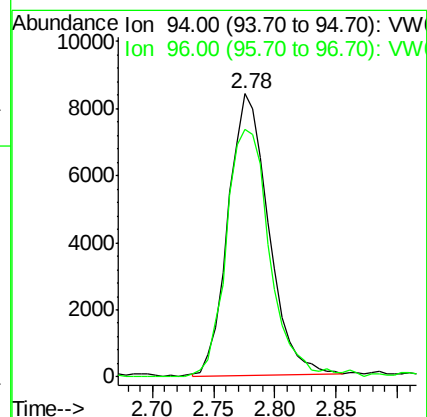
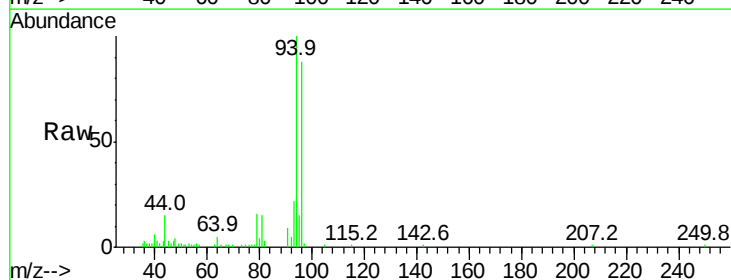
Acq: 22 Jul 2019 12:44

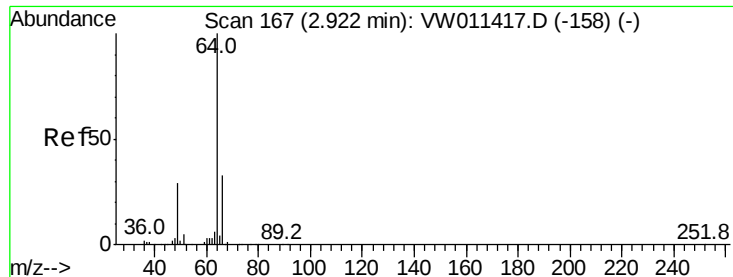
Tgt Ion: 94 Resp: 19250

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.8





#8

Chloroethane

Concen: 5.354 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

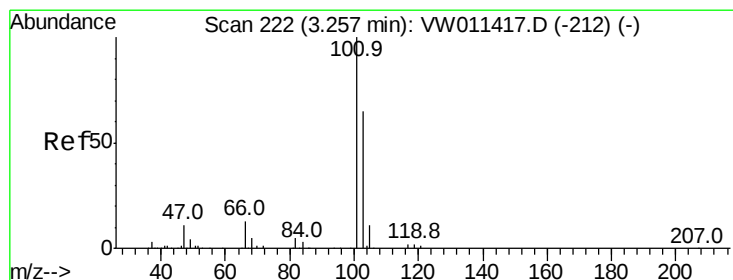
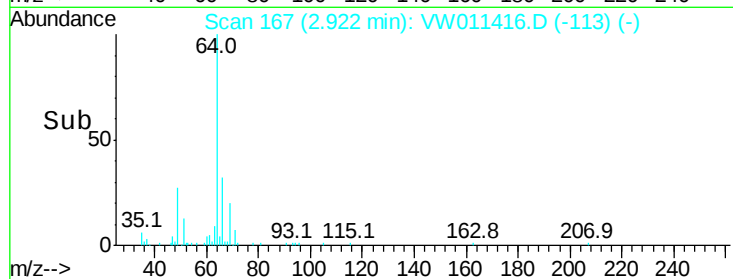
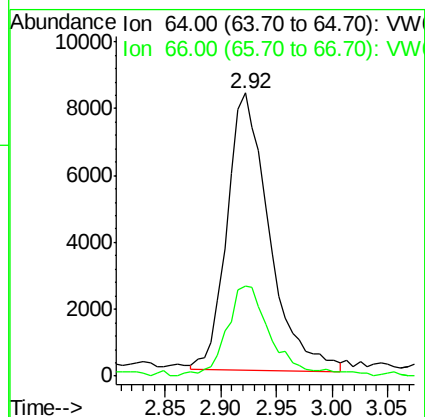
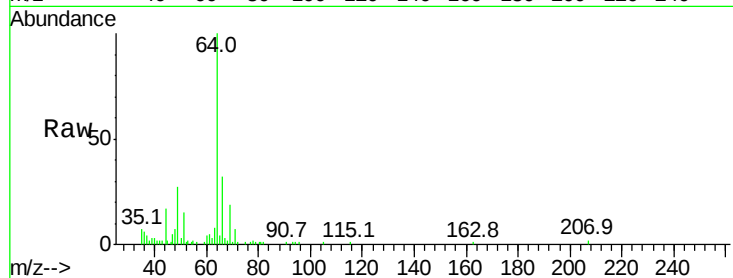
VSTD00505

Tgt Ion: 64 Resp: 21763

Ion Ratio Lower Upper

64 100

66 31.9 22.7 42.3



#9

Trichlorofluoromethane

Concen: 6.263 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW011416.D

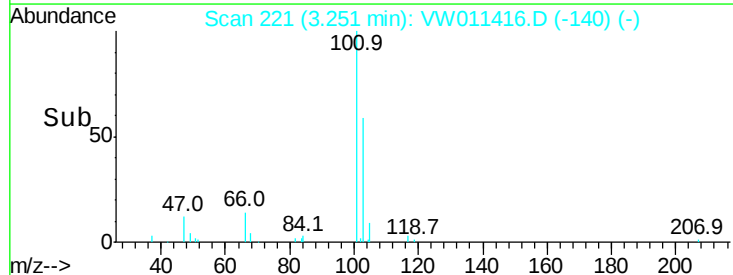
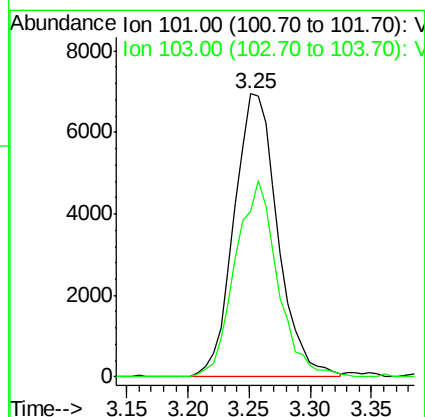
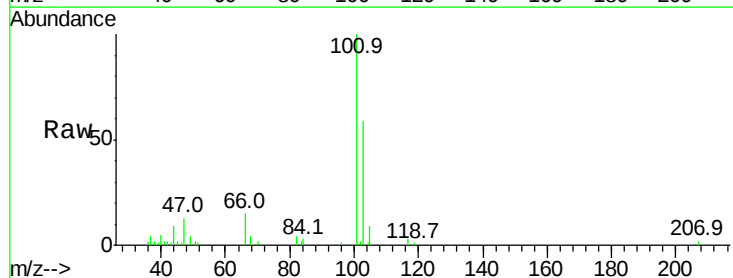
Acq: 22 Jul 2019 12:44

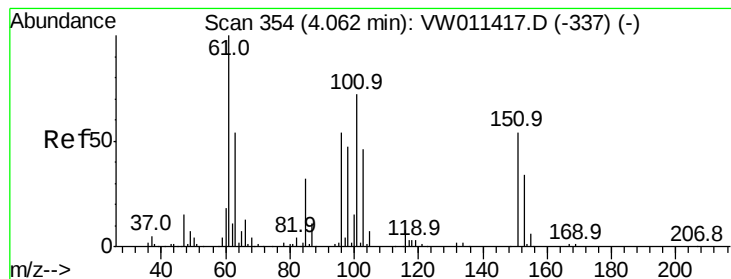
Tgt Ion: 101 Resp: 17248

Ion Ratio Lower Upper

101 100

103 66.6 45.2 84.0





#11

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

Concen: 4.933 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

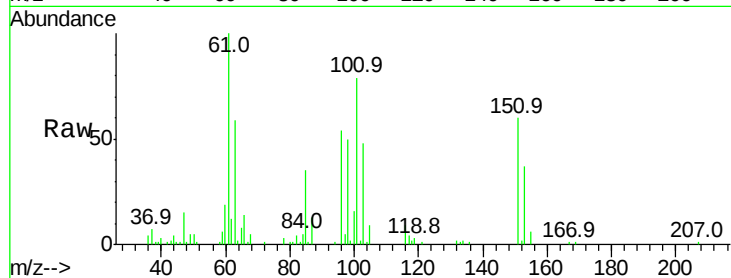
Tgt Ion: 101 Resp: 30269

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

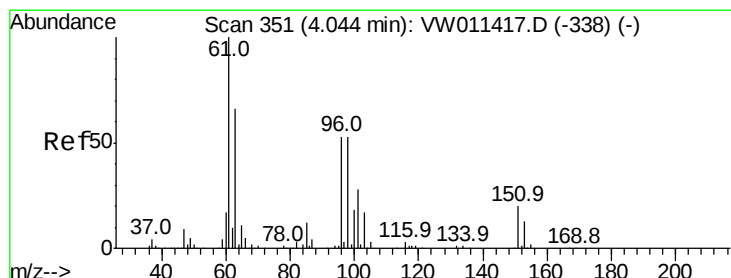
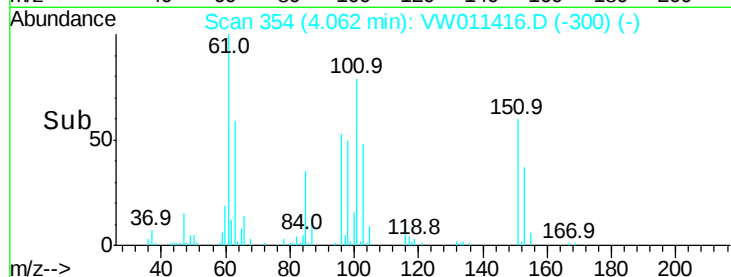
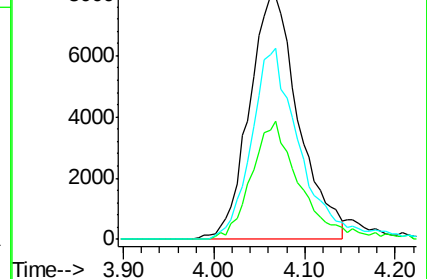
151 73.4 58.6 87.8



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: 4.995 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

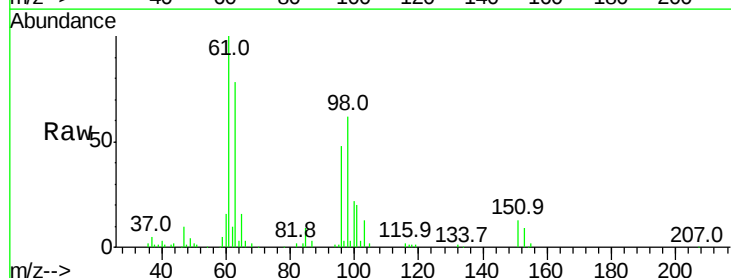
Tgt Ion: 96 Resp: 30291

Ion Ratio Lower Upper

96 100

61 206.5 133.2 247.4

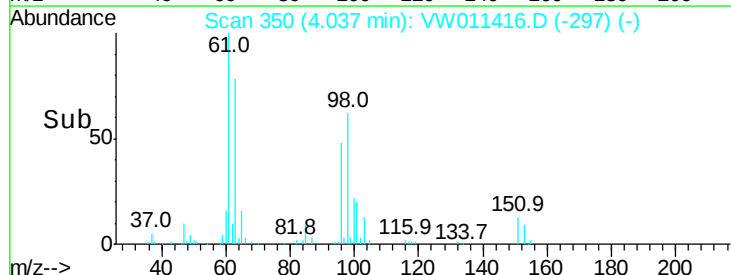
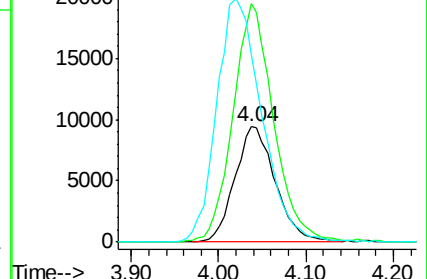
63 161.8 89.9 166.9

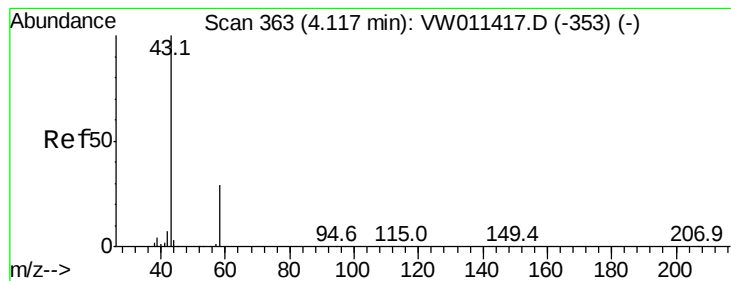


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.678 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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ClientSampleId :

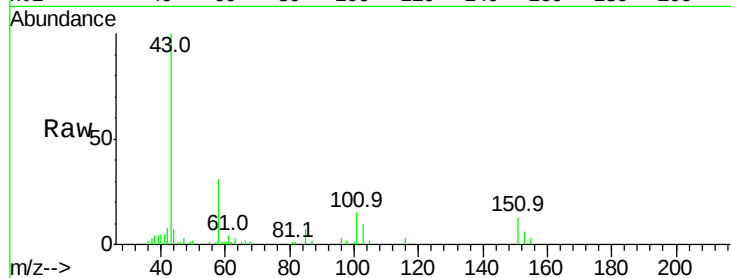
VSTD00505

Tgt Ion: 43 Resp: 23528

Ion Ratio Lower Upper

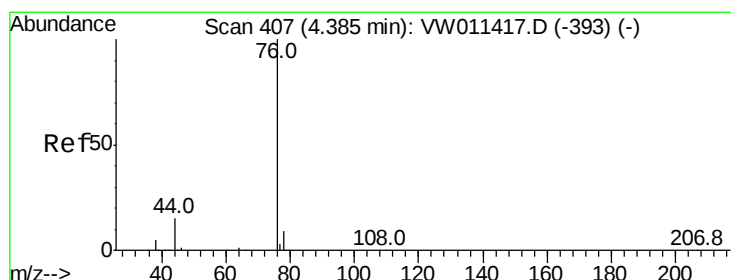
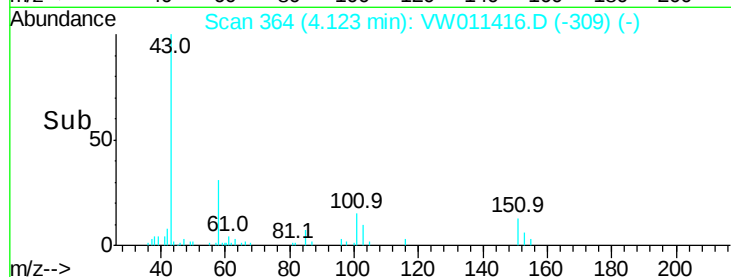
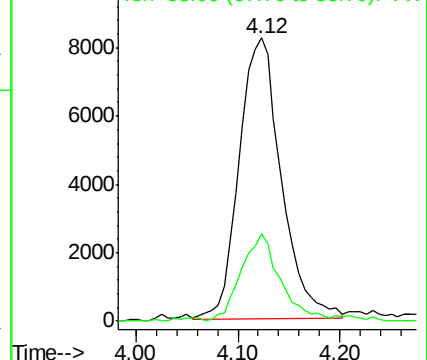
43 100

58 28.8 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.704 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011416.D

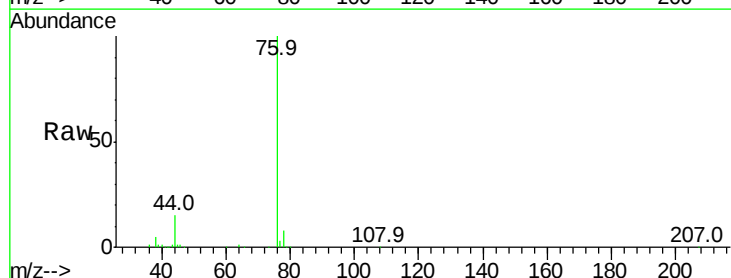
Acq: 22 Jul 2019 12:44

Tgt Ion: 76 Resp: 98946

Ion Ratio Lower Upper

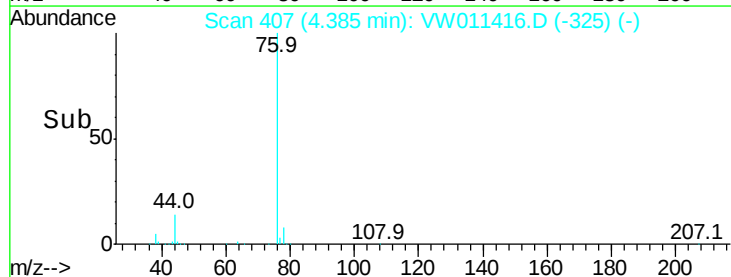
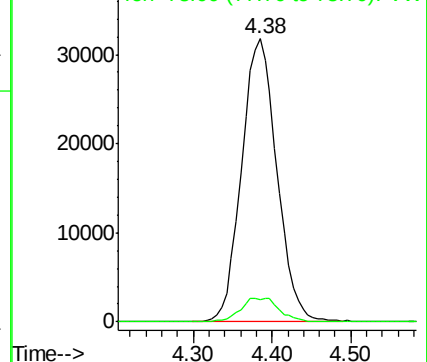
76 100

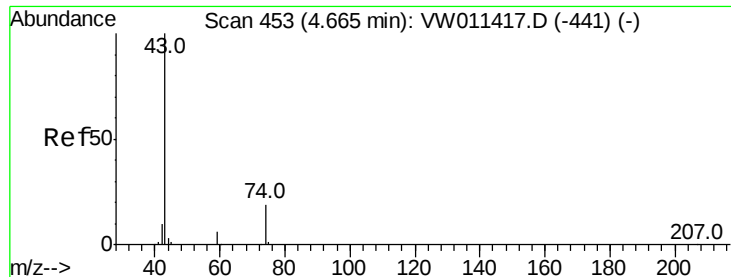
78 7.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

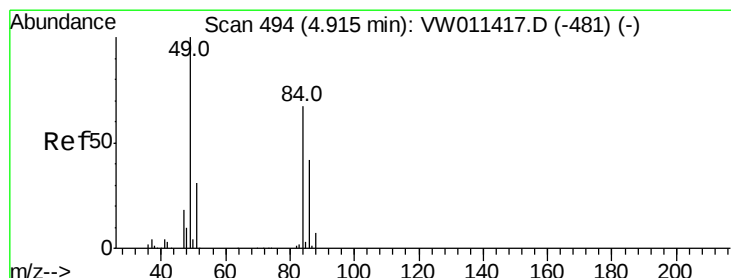
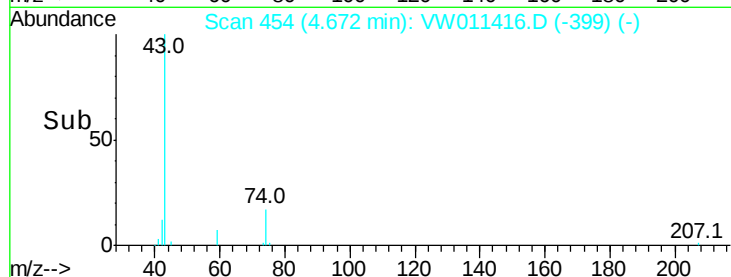
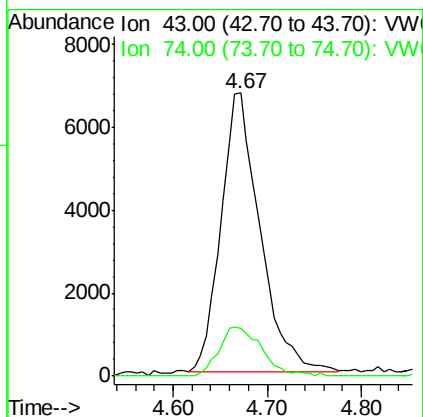
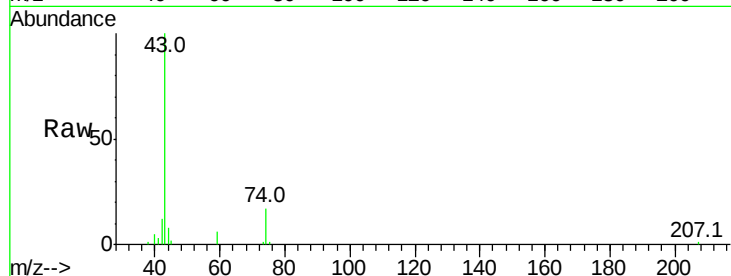




#15
Methyl Acetate
Concen: 4.420 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

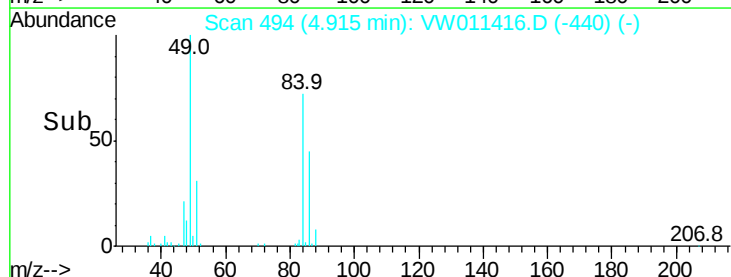
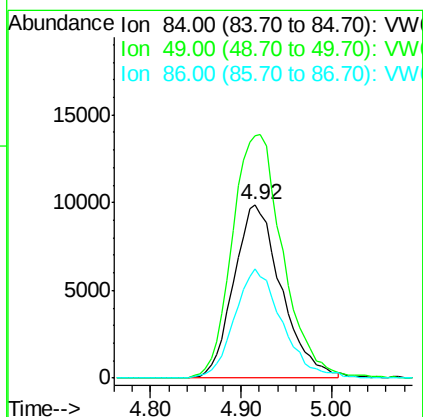
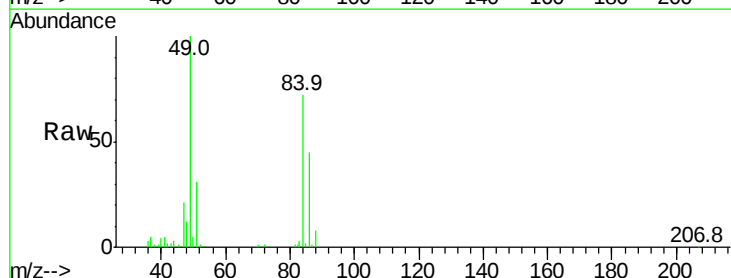
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

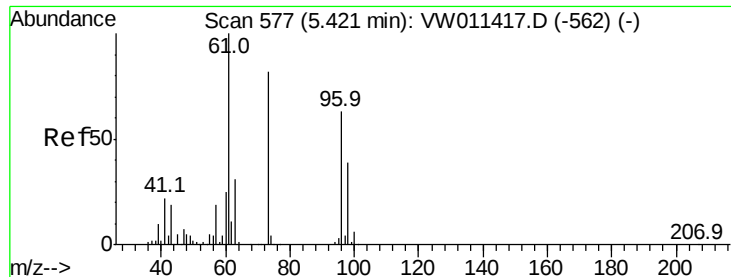
Tgt Ion: 43 Resp: 19498
Ion Ratio Lower Upper
43 100
74 18.7 15.2 22.8



#16
Methylene chloride
Concen: 5.309 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 84 Resp: 36002
Ion Ratio Lower Upper
84 100
49 139.8 104.0 193.2
86 63.0 44.0 81.8

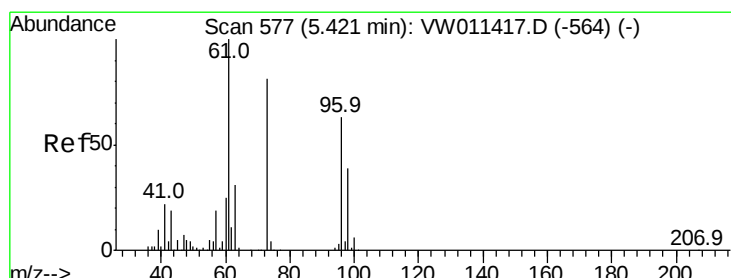
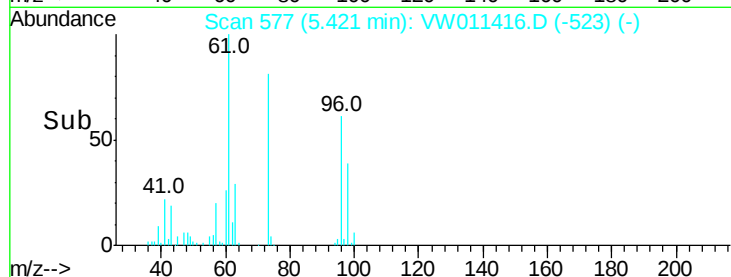
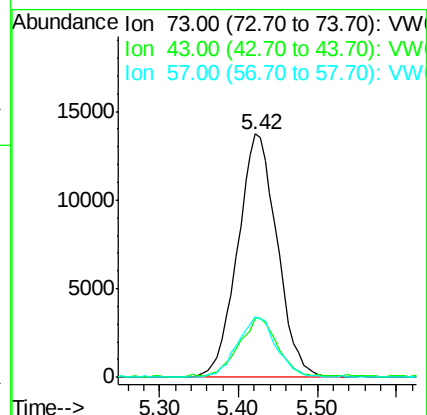
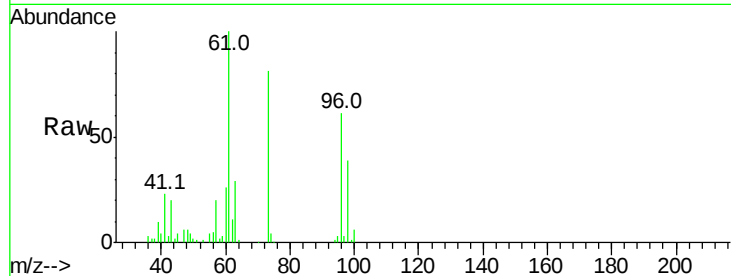




#17
Methyl tert-butyl Ether
Concen: 5.067 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

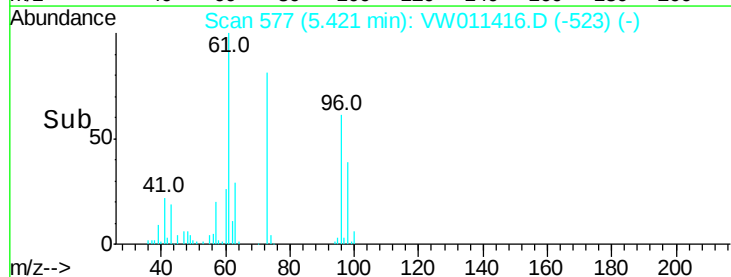
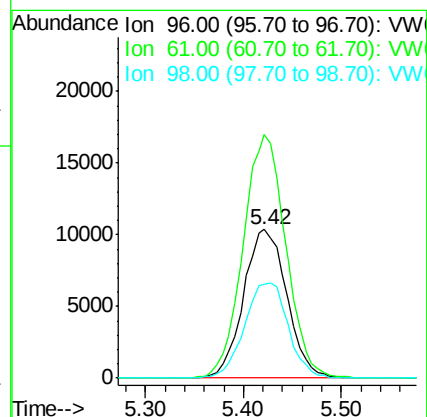
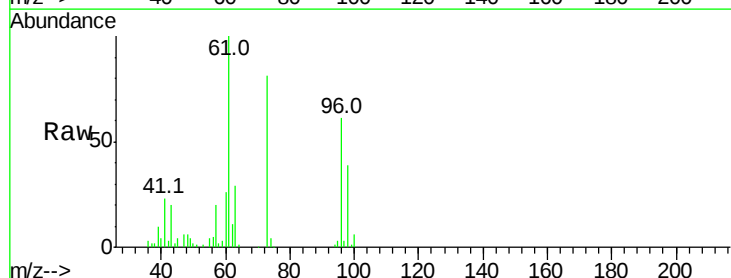
Instrument :
MSVOA_W
ClientSampled :
VSTD00505

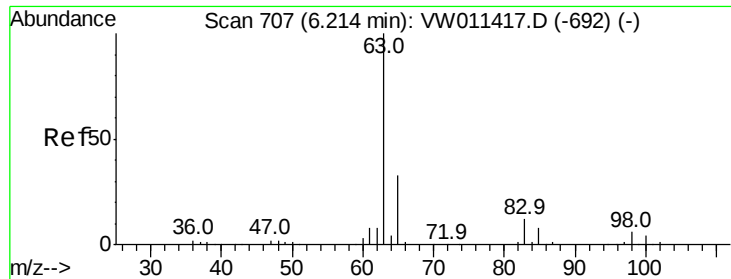
Tgt Ion: 73 Resp: 47654
Ion Ratio Lower Upper
73 100
43 23.6 19.0 28.4
57 24.4 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 5.221 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 96 Resp: 31997
Ion Ratio Lower Upper
96 100
61 163.6 111.7 207.5
98 63.2 43.4 80.6

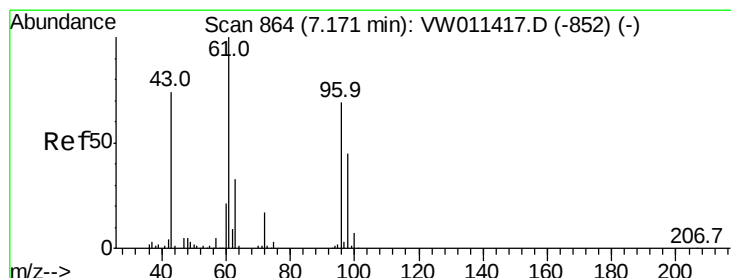
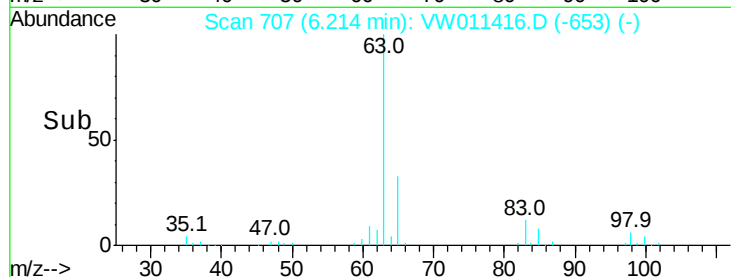
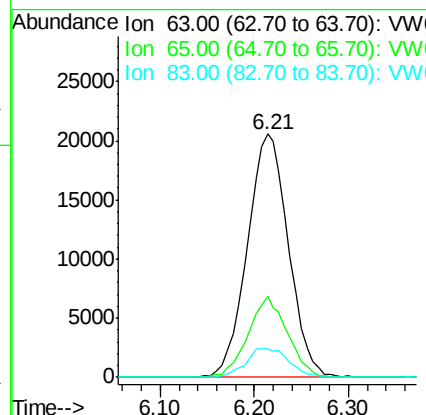
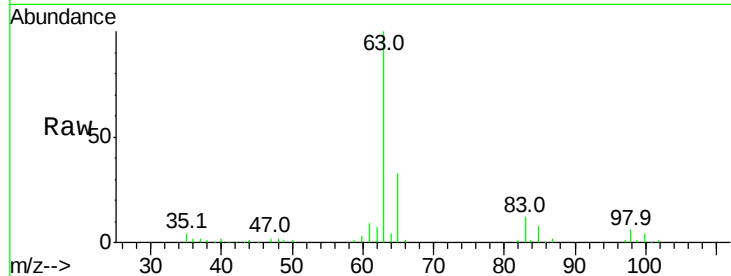




#19
 1,1-Dichloroethane
 Concen: 5.038 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

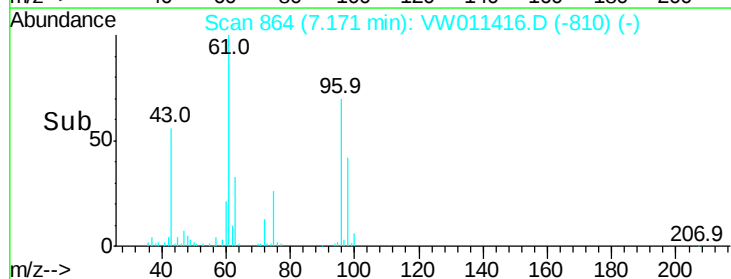
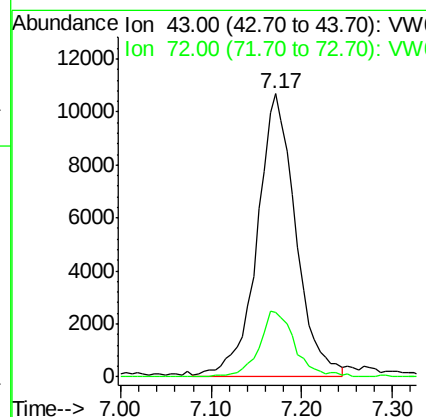
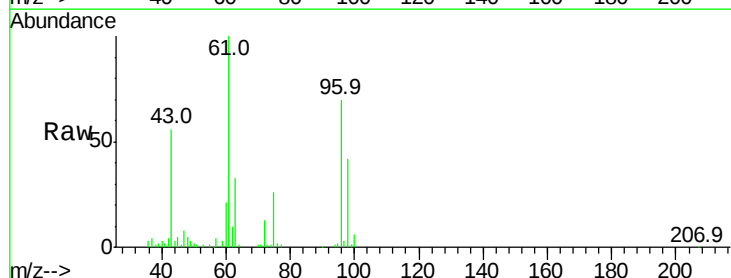
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00505

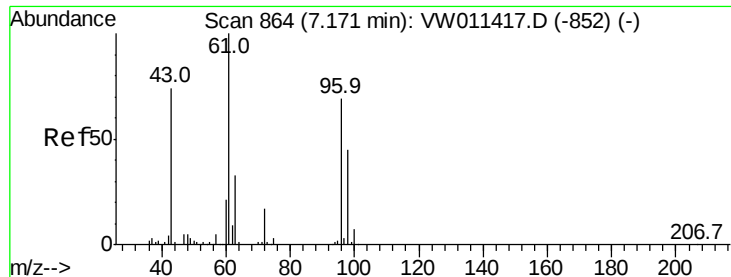
Tgt Ion: 63 Resp: 62677
 Ion Ratio Lower Upper
 63 100
 65 33.4 22.8 42.4
 83 11.6 8.6 16.0



#21
 2-Butanone
 Concen: 9.032 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

Tgt Ion: 43 Resp: 31613
 Ion Ratio Lower Upper
 43 100
 72 20.9 10.5 31.6





#22

cis-1,2-Dichloroethene

Concen: 5.087 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

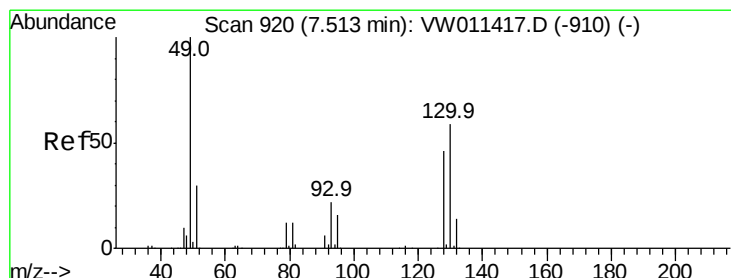
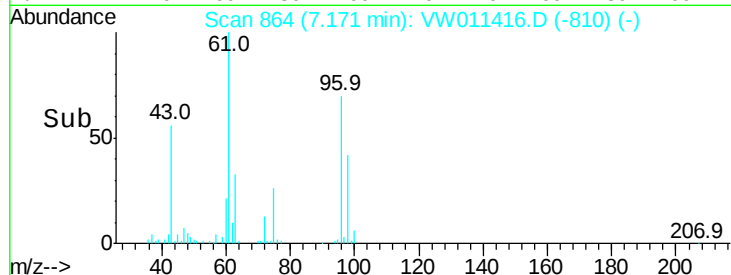
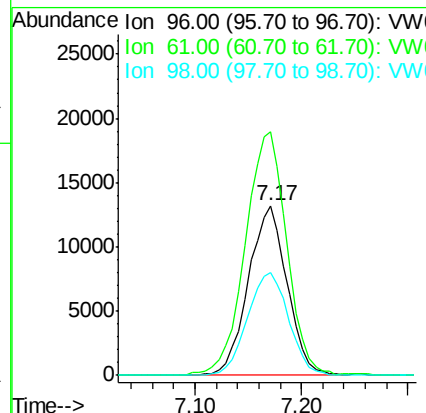
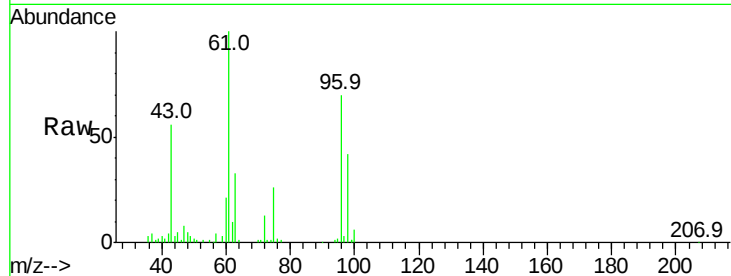
Tgt Ion: 96 Resp: 33743

Ion Ratio Lower Upper

96 100

61 143.6 101.8 189.0

98 60.4 45.4 84.2



#23

Bromochloromethane

Concen: 5.002 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Tgt Ion: 128 Resp: 13922

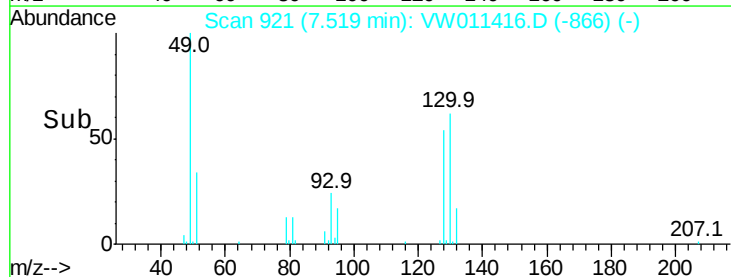
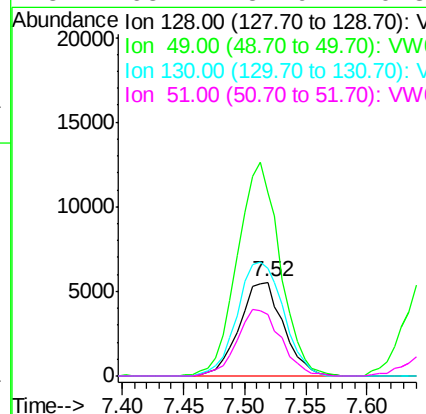
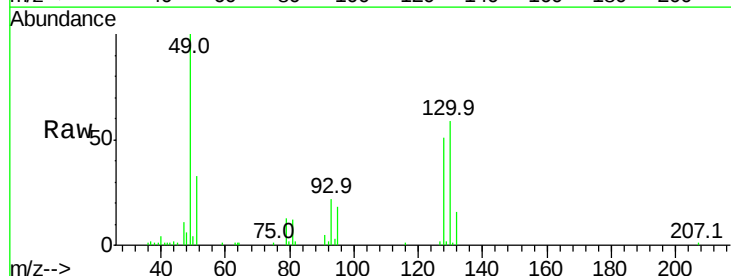
Ion Ratio Lower Upper

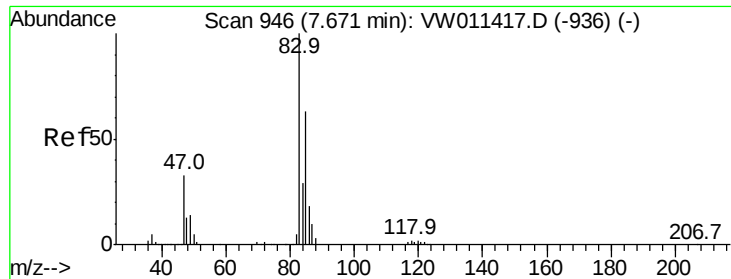
128 100

49 195.0 152.0 282.2

130 114.4 89.8 166.8

51 65.1 52.9 79.3

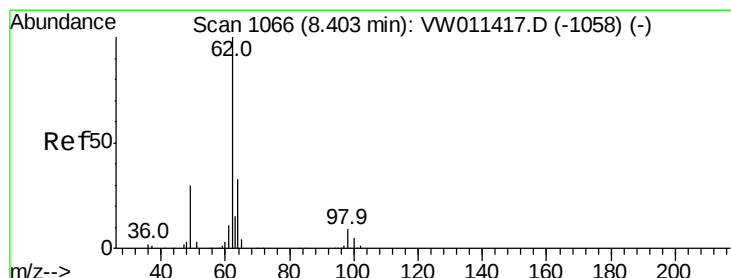
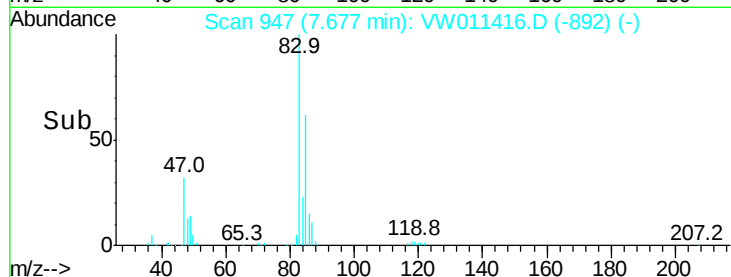
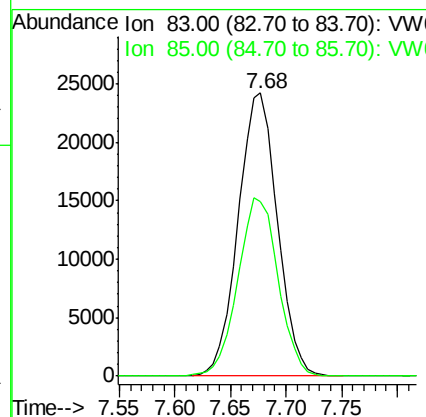
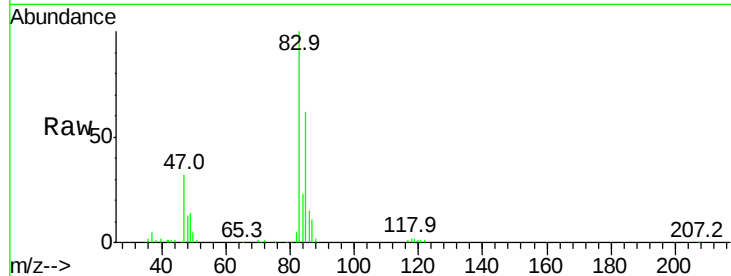




#25
Chloroform
Concen: 5.030 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

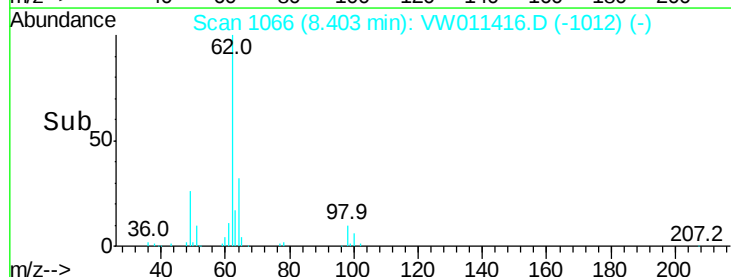
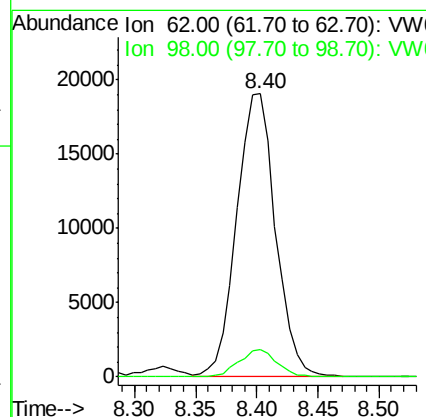
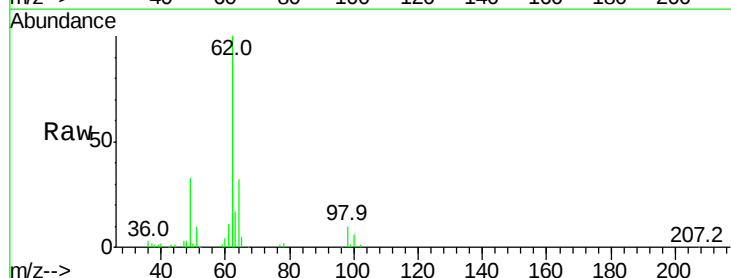
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

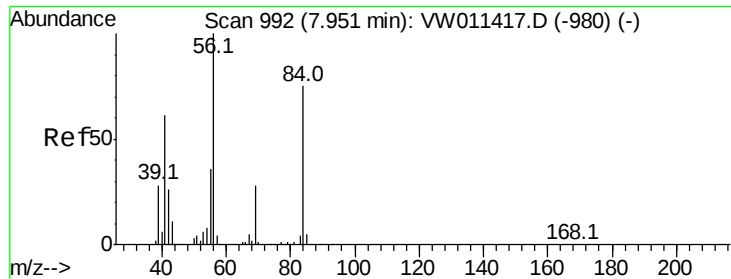
Tgt Ion: 83 Resp: 59273
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.674 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 62 Resp: 42101
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7

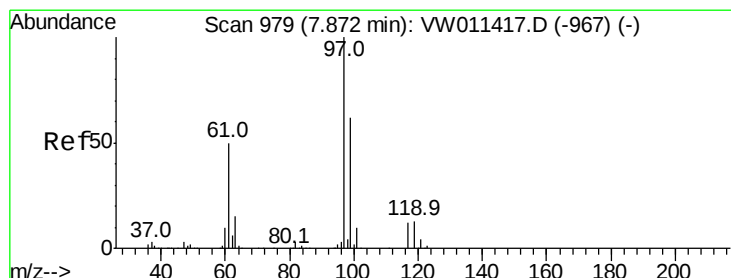
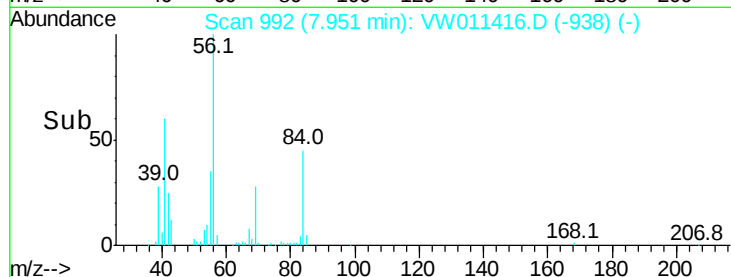
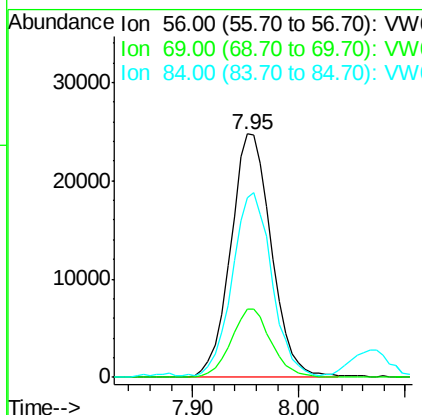
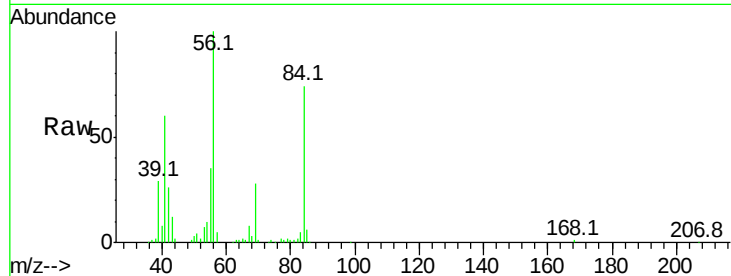




#30
Cyclohexane
Concen: 5.409 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

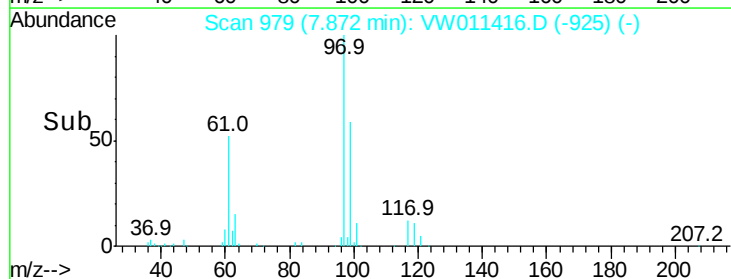
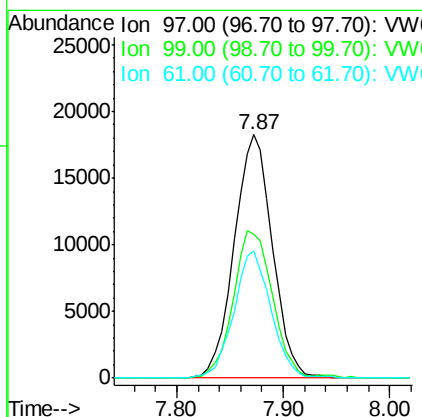
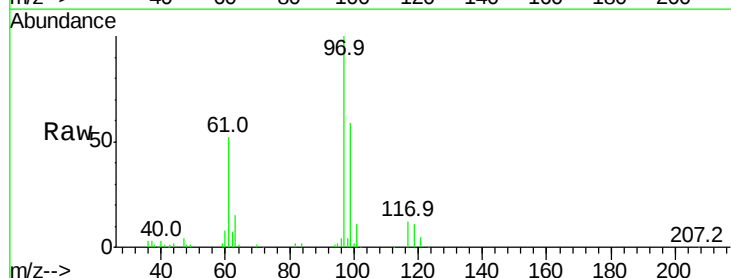
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

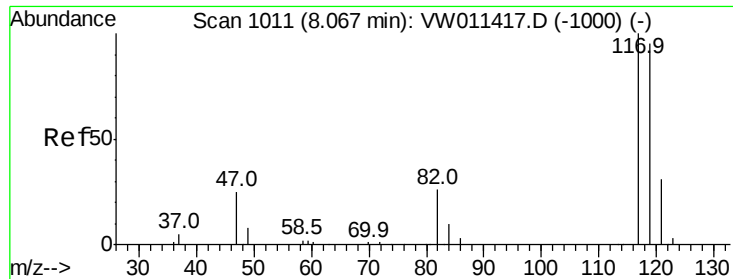
Tgt Ion: 56 Resp: 66408
Ion Ratio Lower Upper
56 100
69 27.5 22.6 34.0
84 74.1 60.4 90.6



#31
1,1,1-Trichloroethane
Concen: 5.481 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 97 Resp: 45940
Ion Ratio Lower Upper
97 100
99 62.1 51.0 76.6
61 50.7 39.4 59.2





#32

Carbon tetrachloride

Concen: 5.378 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

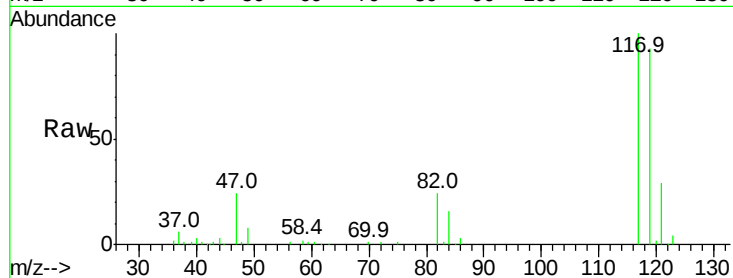
VSTD00505

Tgt Ion:117 Resp: 42274

Ion Ratio Lower Upper

117 100

119 94.9 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

15000

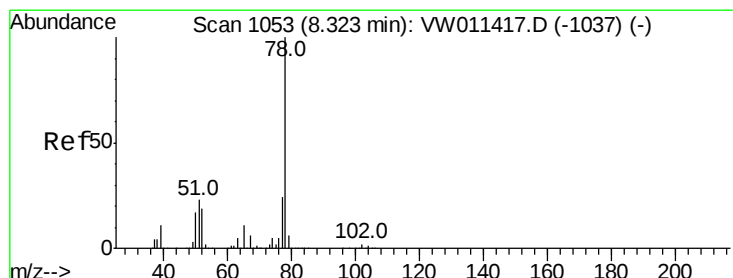
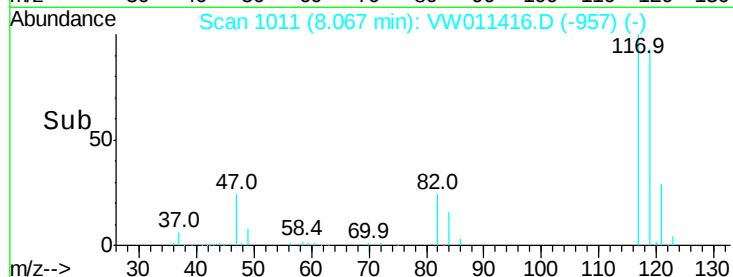
10000

5000

0

Time-->

8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.329 ug/L

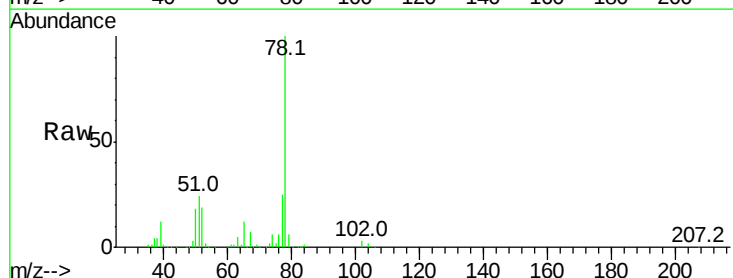
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Tgt Ion: 78 Resp: 134500



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

60000

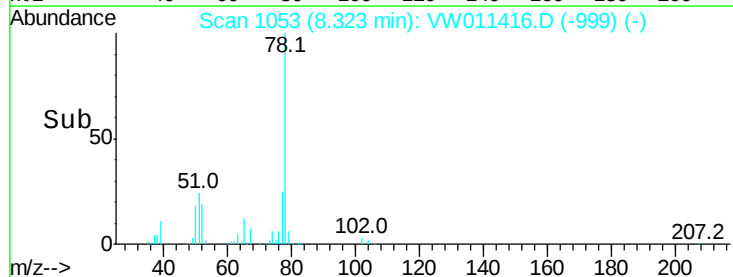
40000

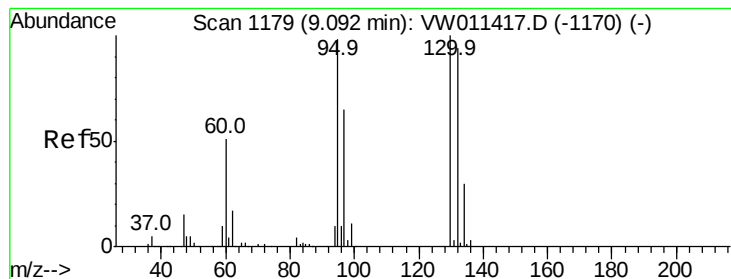
20000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 5.464 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

VSTD00505

Tgt Ion: 95 Resp: 34801

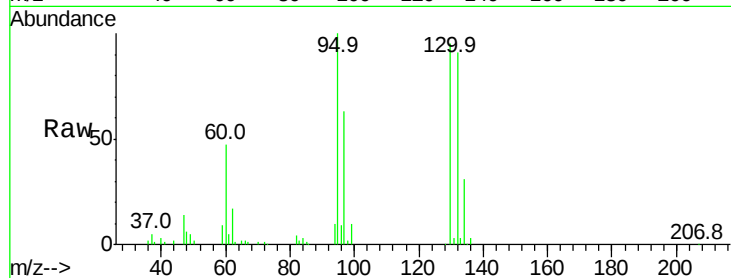
Ion Ratio Lower Upper

95 100

97 62.4 44.6 82.8

132 91.2 66.0 122.6

130 95.8 68.4 127.0

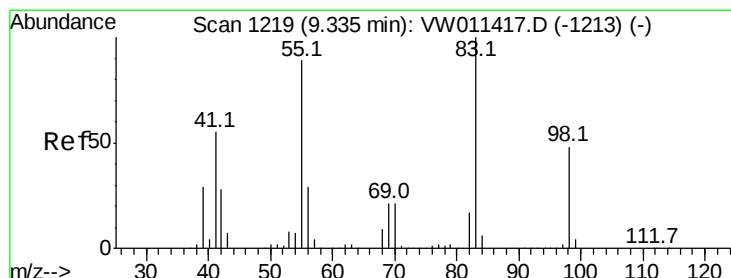
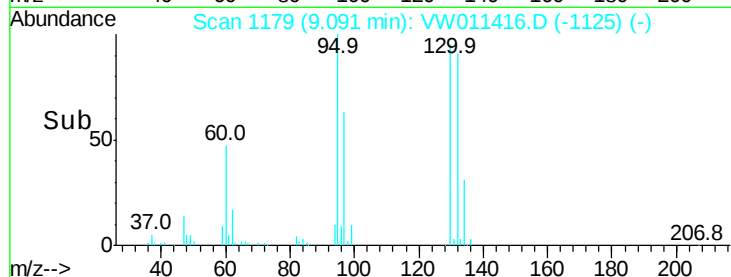
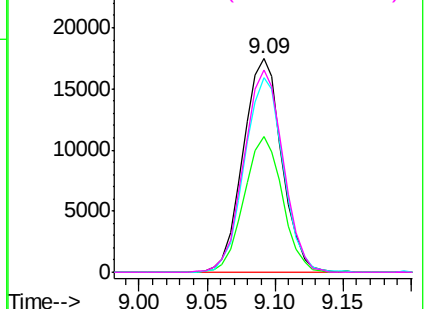


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.326 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

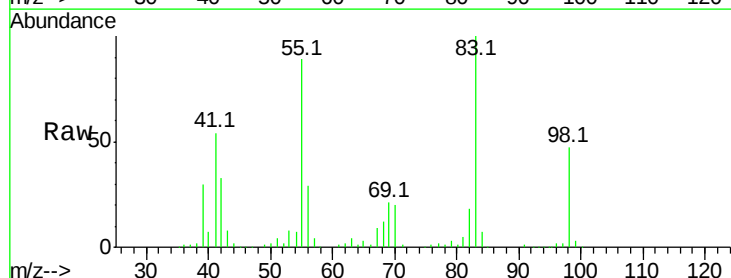
Tgt Ion: 83 Resp: 61041

Ion Ratio Lower Upper

83 100

55 90.6 71.5 107.3

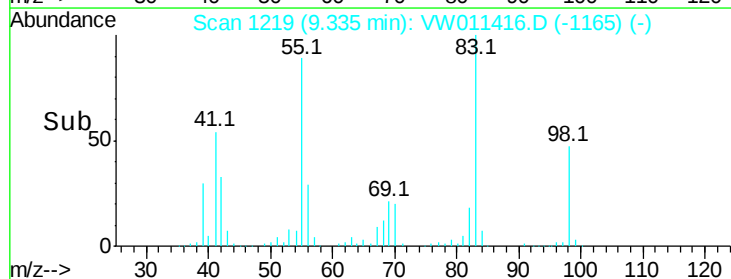
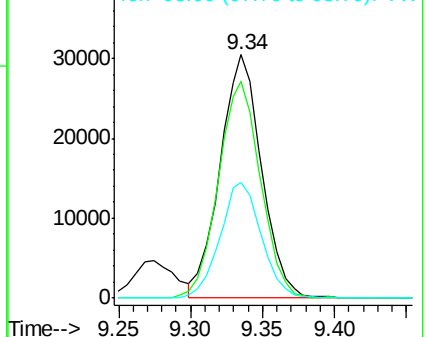
98 47.7 37.4 56.2

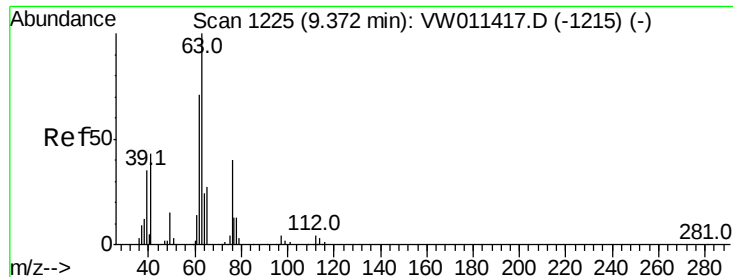


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

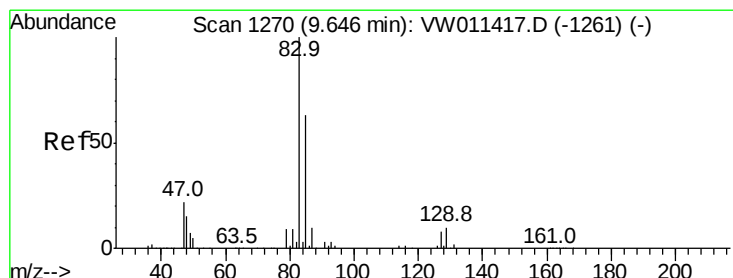
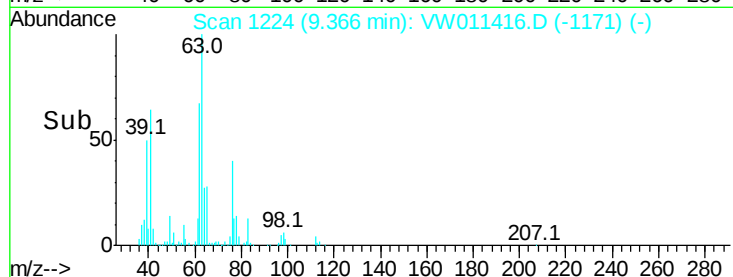
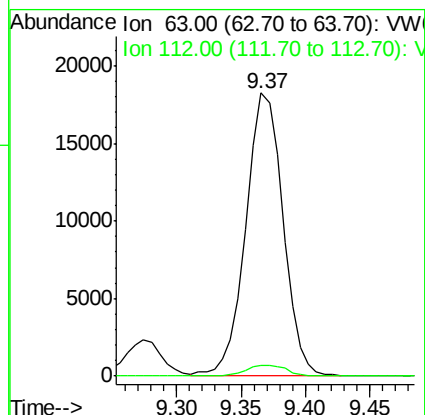
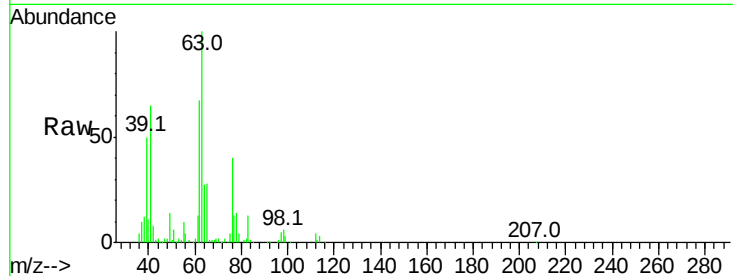




#40
 1,2-Dichloropropane
 Concen: 5.255 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

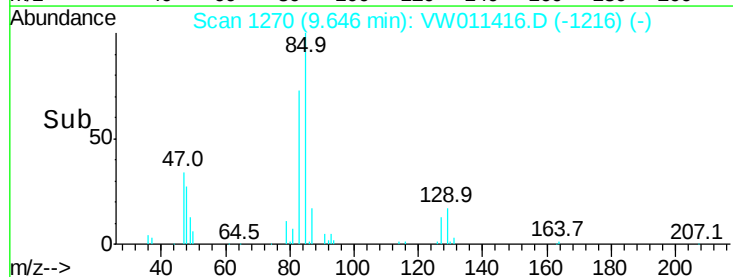
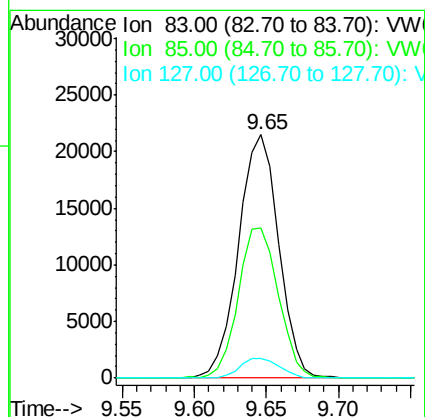
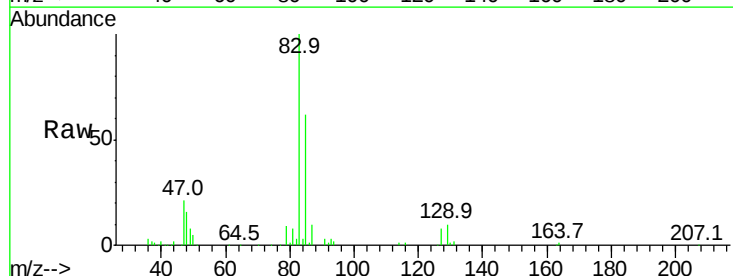
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

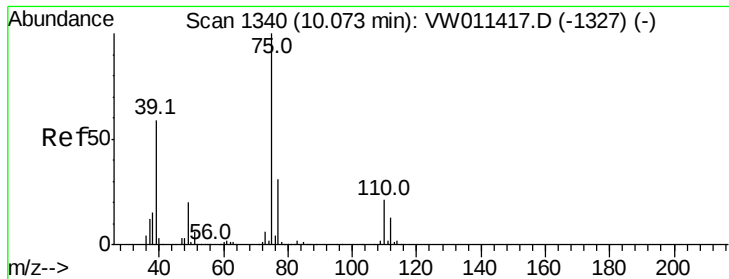
Tgt Ion: 63 Resp: 36340
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#41
 Bromodichloromethane
 Concen: 5.219 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

Tgt Ion: 83 Resp: 41616
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.3 82.3
 127 7.9 6.6 9.8





#42

cis-1,3-Dichloropropene

Concen: 5.052 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

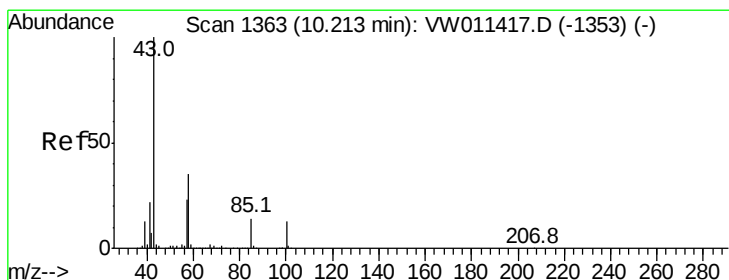
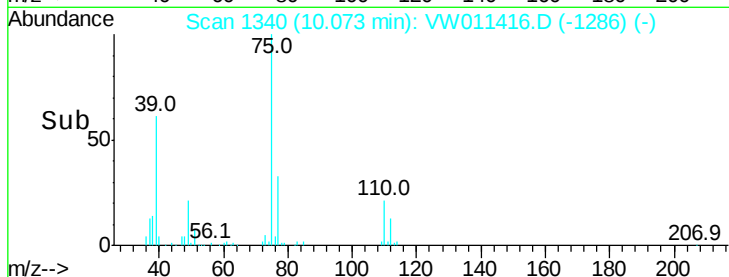
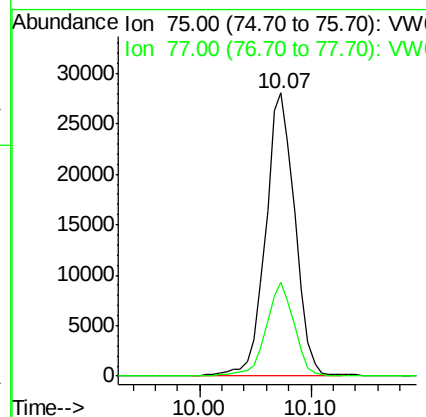
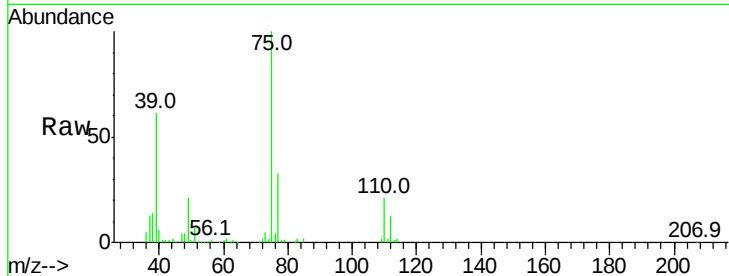
VSTD00505

Tgt Ion: 75 Resp: 51549

Ion Ratio Lower Upper

75 100

77 33.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 8.487 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

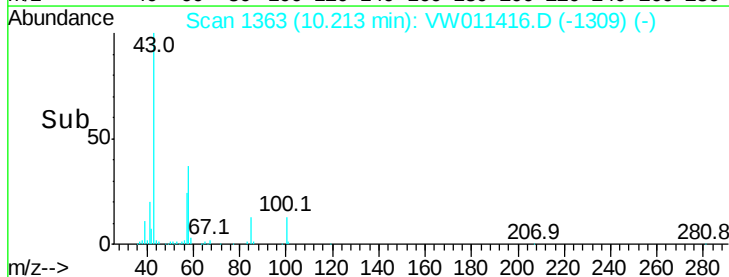
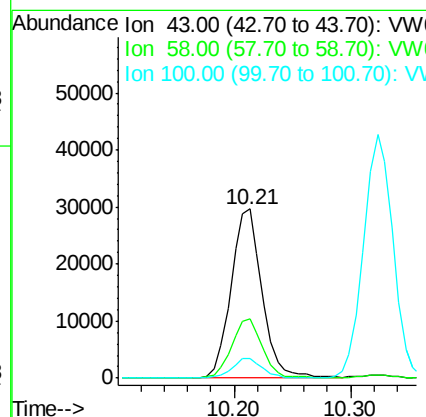
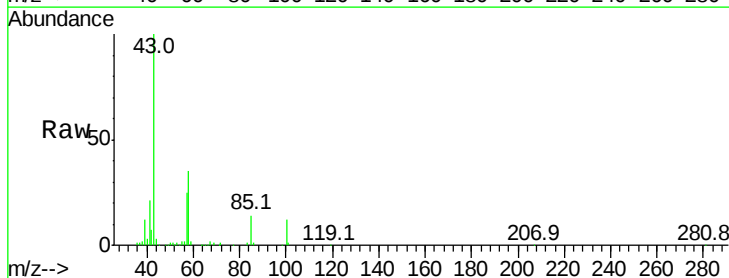
Tgt Ion: 43 Resp: 54410

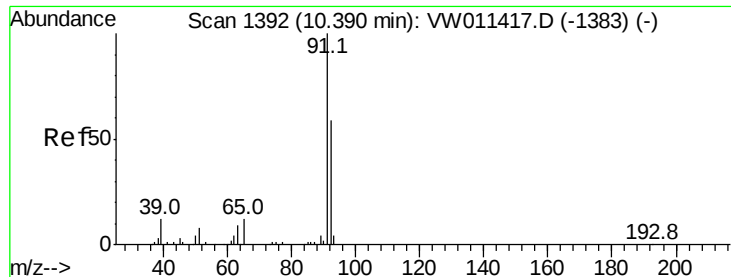
Ion Ratio Lower Upper

43 100

58 34.4 28.0 42.0

100 11.5 9.8 14.8





#44

Toluene

Concen: 5.317 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

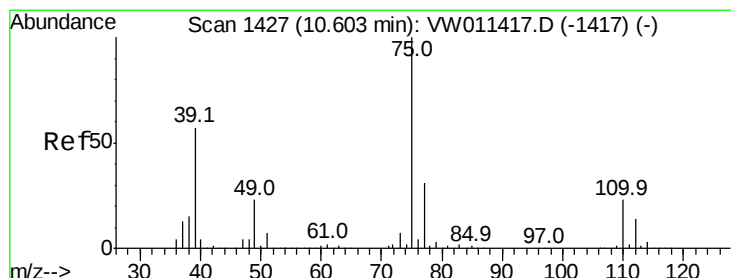
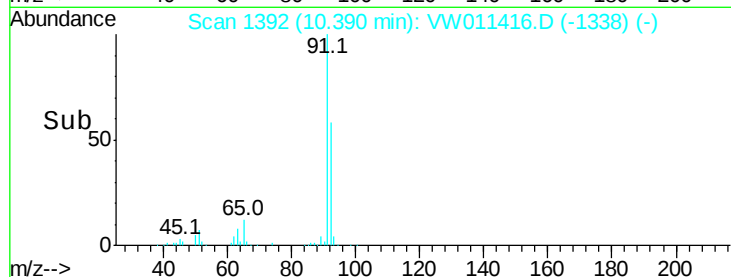
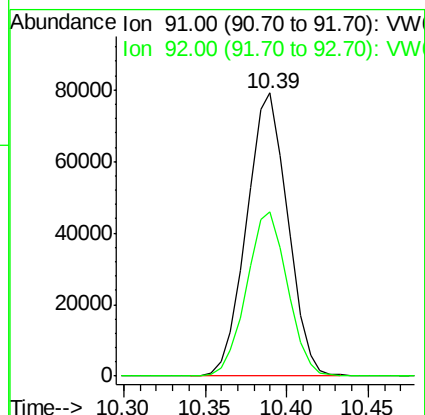
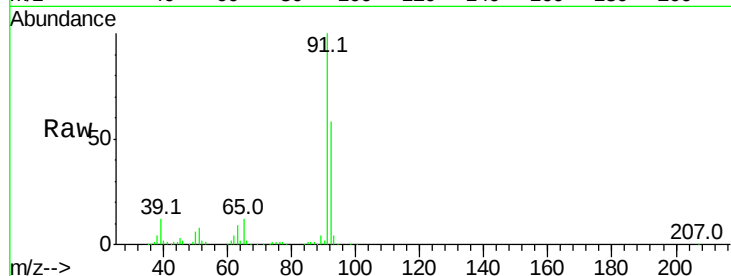
VSTD00505

Tgt Ion: 91 Resp: 138909

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 5.042 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011416.D

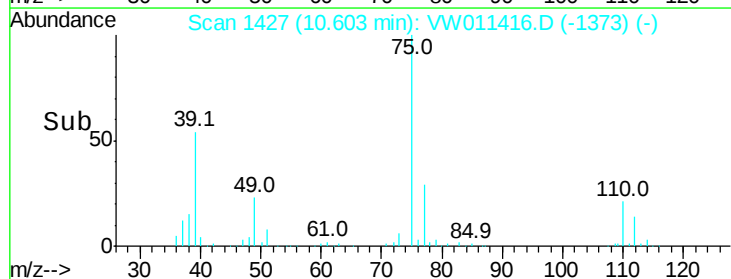
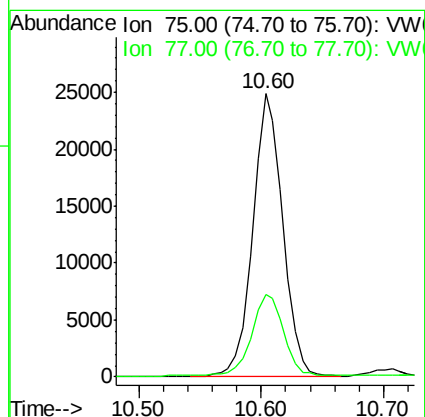
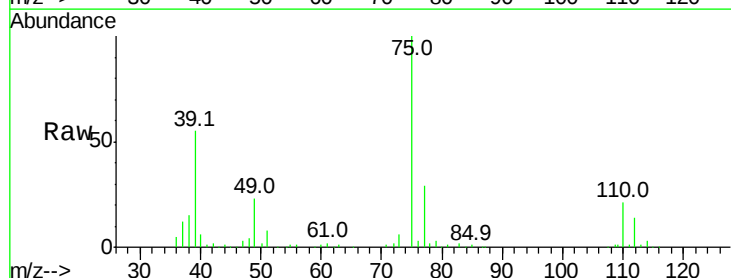
Acq: 22 Jul 2019 12:44

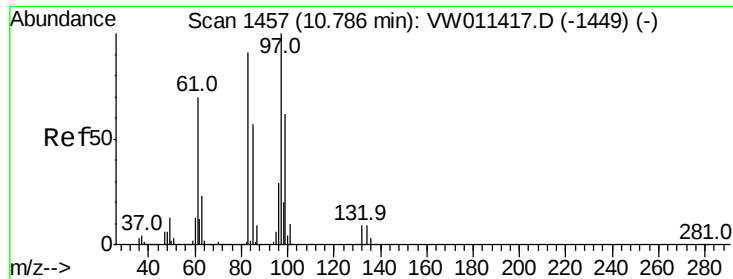
Tgt Ion: 75 Resp: 42575

Ion Ratio Lower Upper

75 100

77 29.0 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 4.943 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion: 97 Resp: 23673

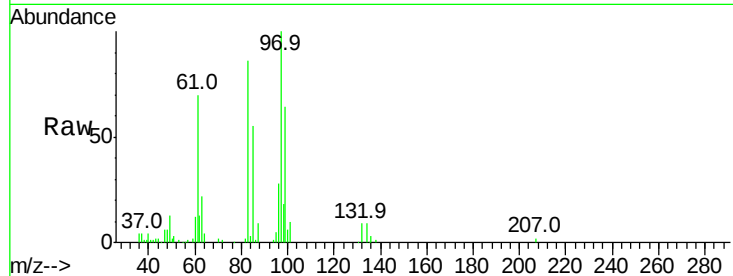
Ion Ratio Lower Upper

97 100

83 86.1 63.8 118.6

85 55.1 40.0 74.4

99 64.5 43.1 80.1

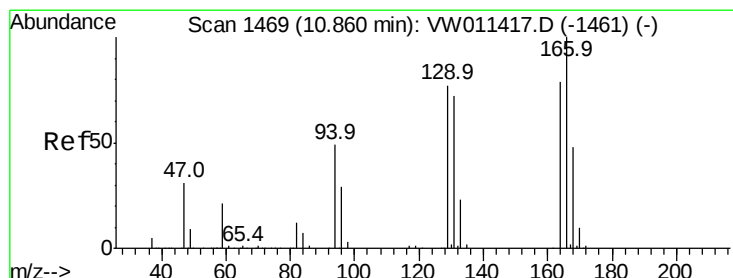
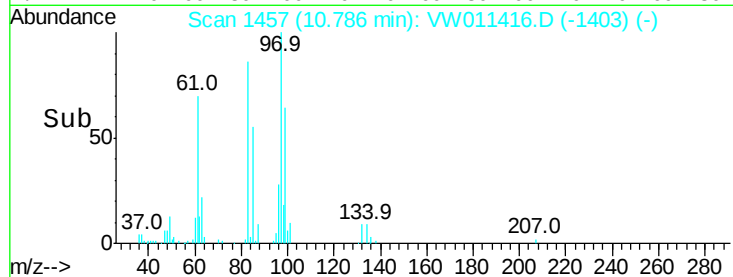
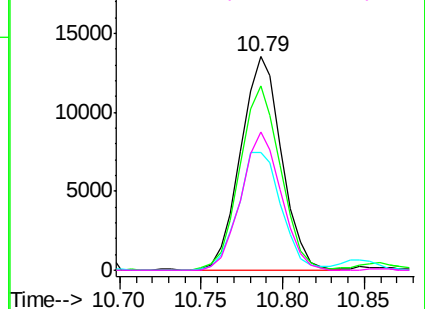


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.580 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Tgt Ion: 164 Resp: 26858

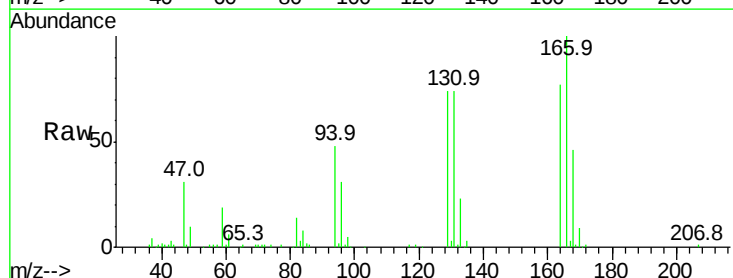
Ion Ratio Lower Upper

164 100

129 96.2 69.0 128.1

131 95.8 64.5 119.7

166 130.1 89.2 165.6

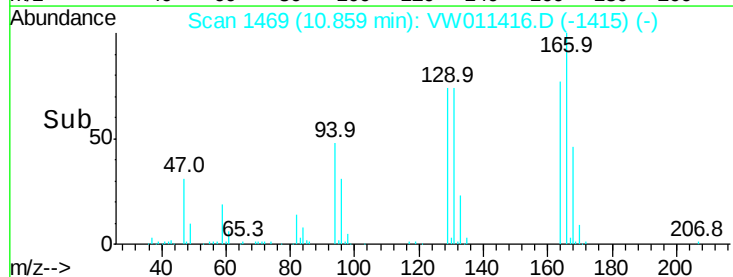
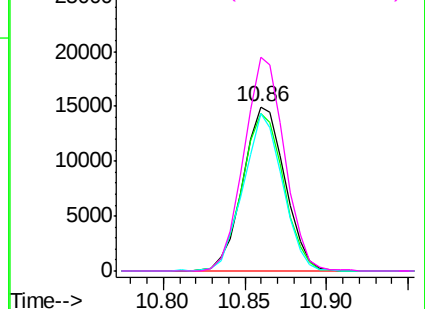


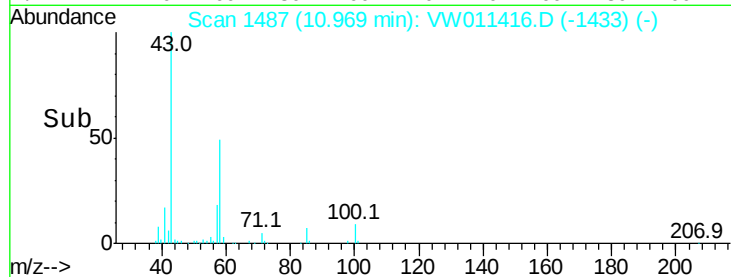
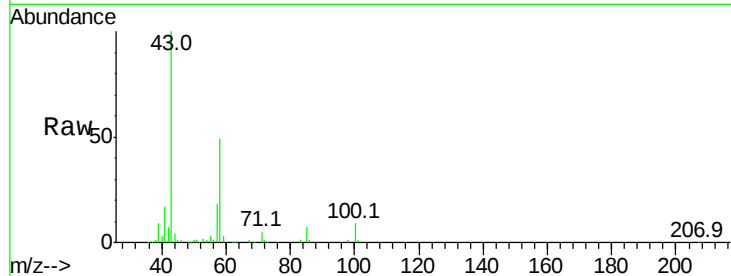
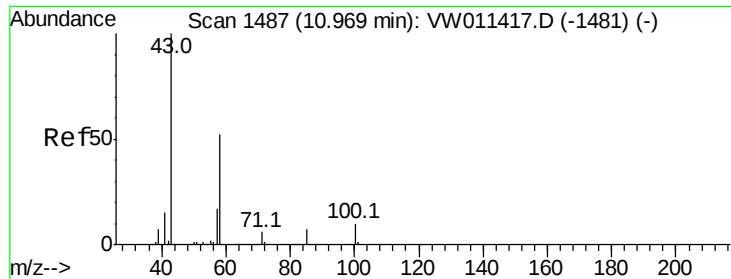
Abundance Ion 164.00 (163.70 to 164.70): V

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

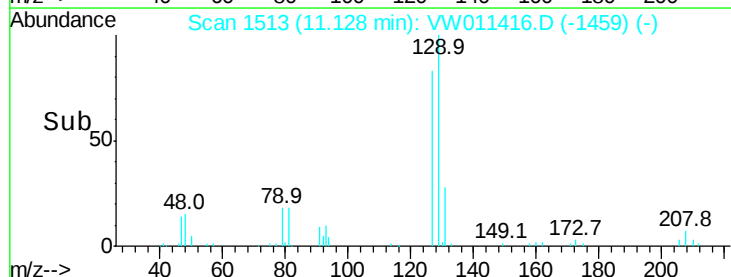
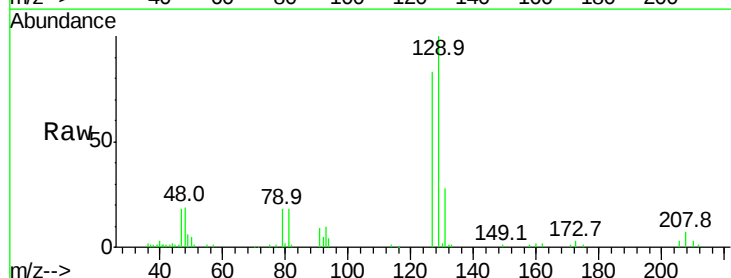
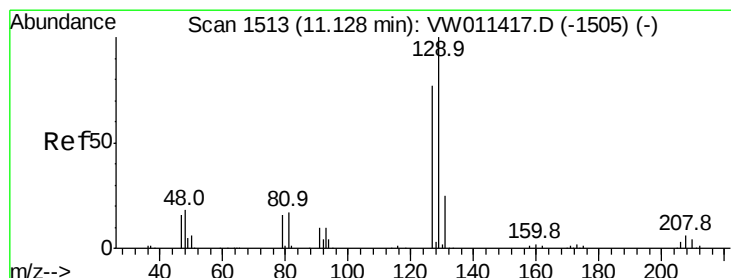
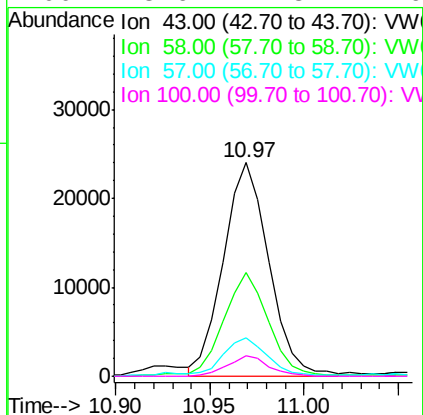




#49
2-Hexanone
Concen: 8.591 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

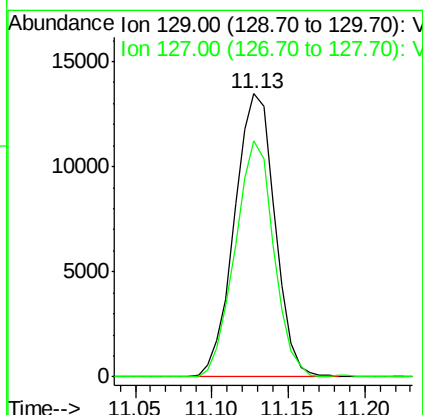
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

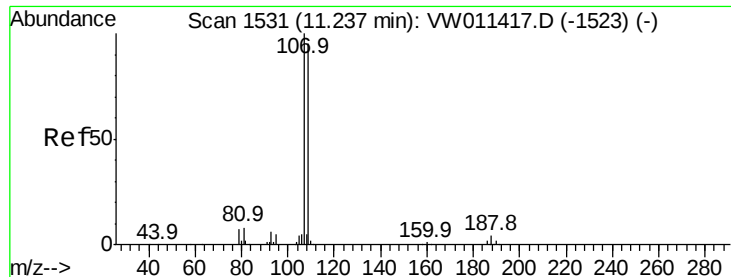
Tgt Ion:	43	Resp:	40091
Ion	Ratio	Lower	Upper
43	100		
58	48.0	40.1	60.1
57	17.7	13.8	20.6
100	8.6	7.8	11.6



#50
Dibromochloromethane
Concen: 4.849 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion:	129	Resp:	24730
Ion	Ratio	Lower	Upper
129	100		
127	83.3	53.9	100.1

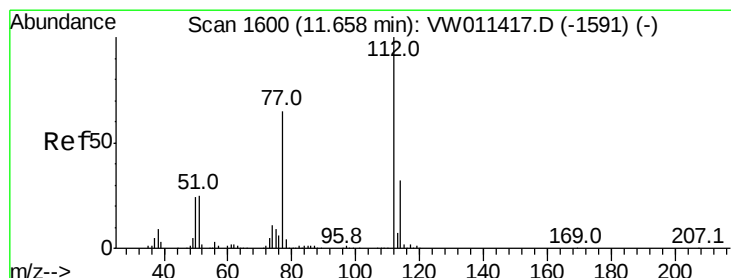
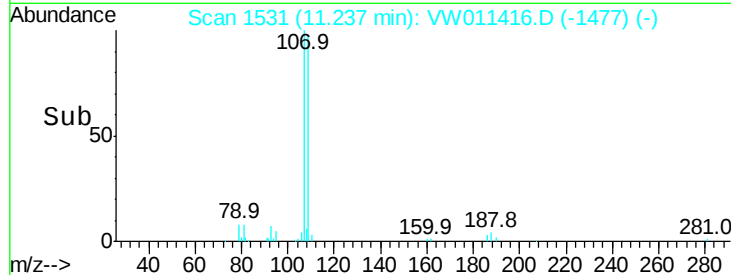
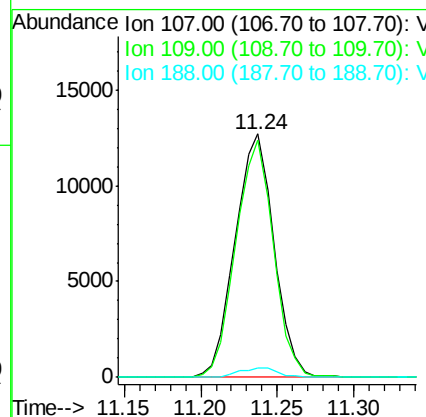
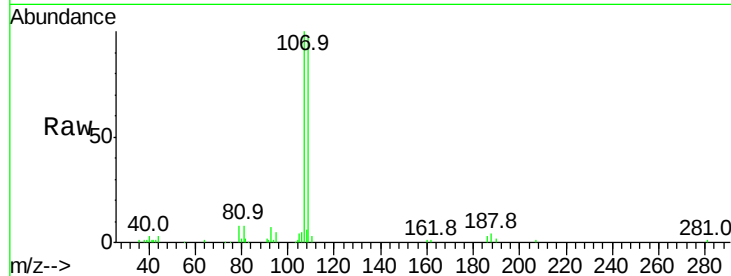




#51
 1,2-Dibromoethane
 Concen: 4.851 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

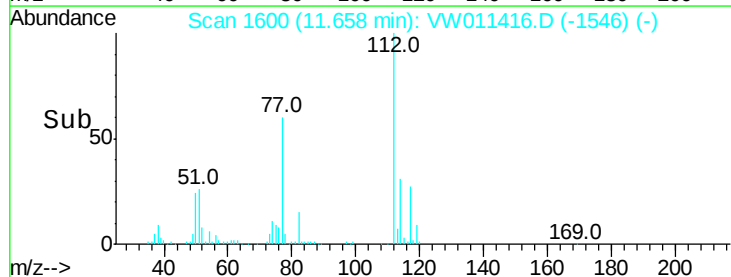
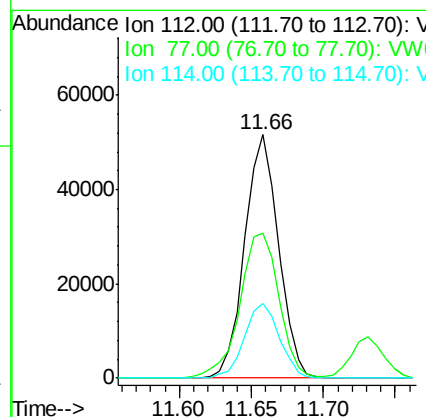
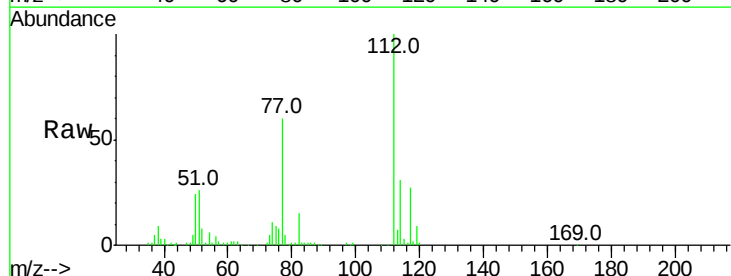
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

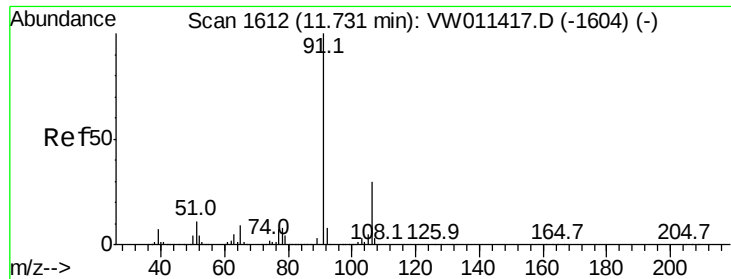
Tgt Ion:107 Resp: 22431
 Ion Ratio Lower Upper
 107 100
 109 97.2 66.8 124.2
 188 3.8 3.0 4.6



#52
 Chlorobenzene
 Concen: 5.274 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

Tgt Ion:112 Resp: 84164
 Ion Ratio Lower Upper
 112 100
 77 59.8 52.2 78.2
 114 30.6 22.0 41.0

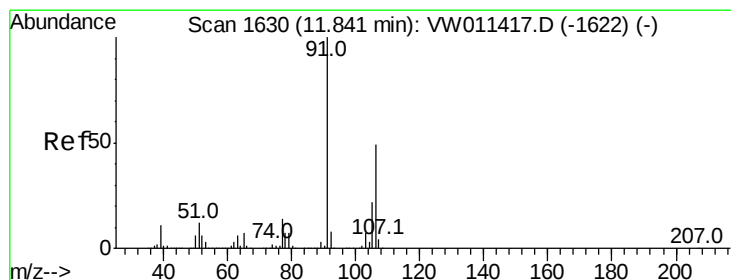
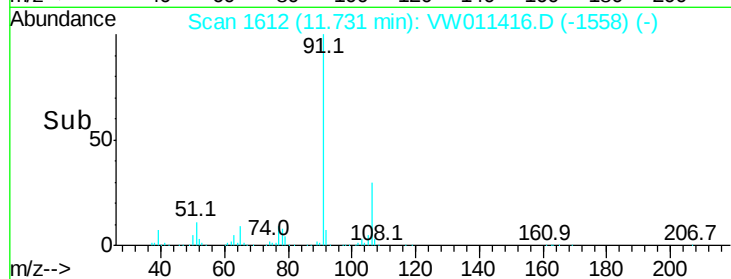
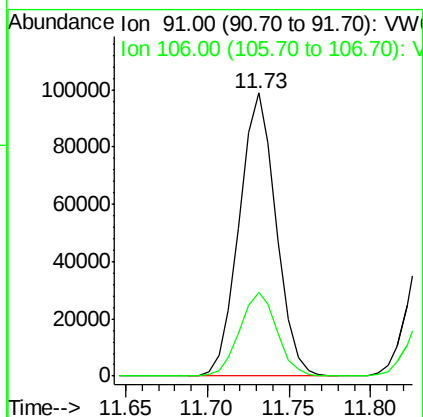
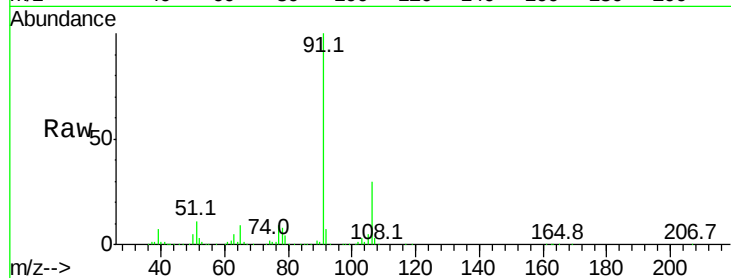




#53
Ethylbenzene
Concen: 5.251 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

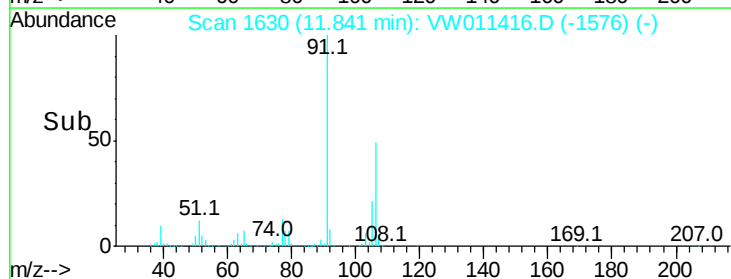
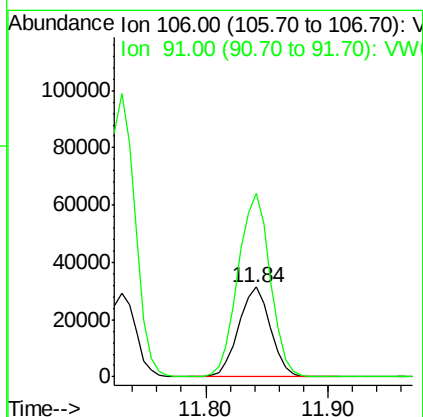
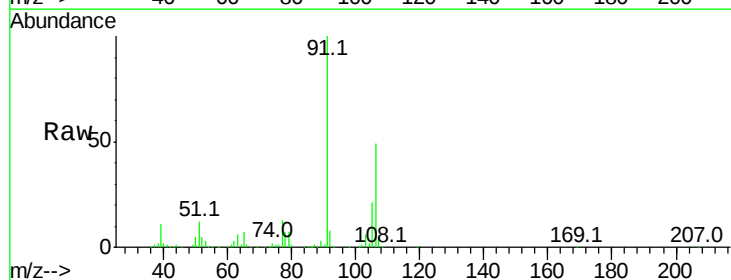
Instrument :
MSVOA_W
ClientSampled :
VSTD00505

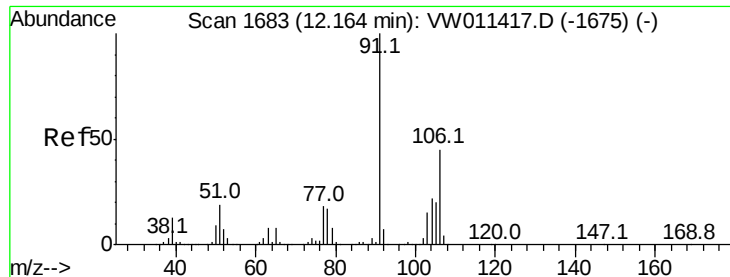
Tgt Ion: 91 Resp: 155602
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1



#54
m,p-Xylene
Concen: 5.244 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 106 Resp: 56421
Ion Ratio Lower Upper
106 100
91 204.4 143.7 266.9

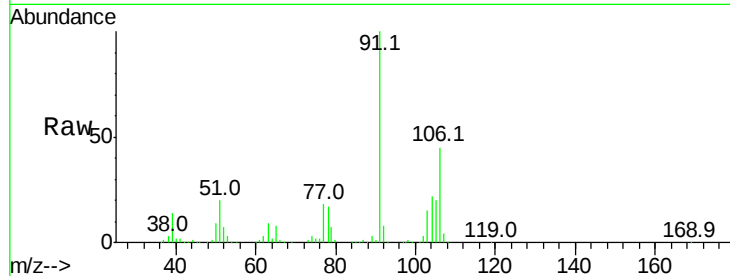




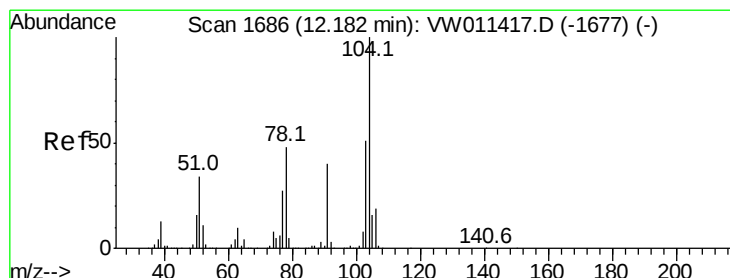
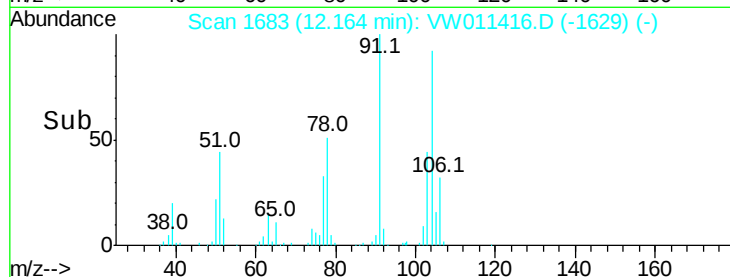
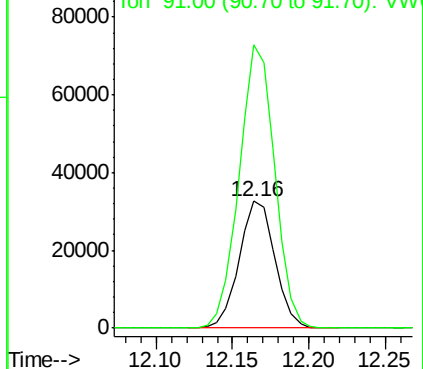
#55
o-xylene
Concen: 5.177 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion:106 Resp: 52980
Ion Ratio Lower Upper
106 100
91 222.7 155.5 288.9

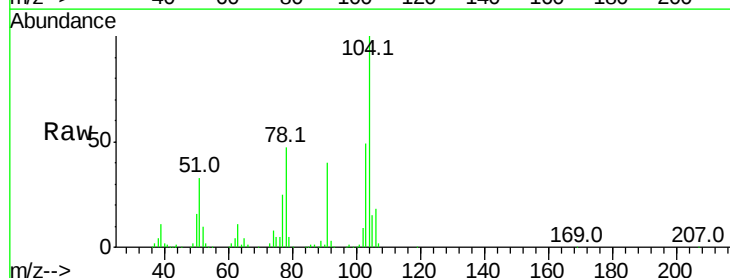


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

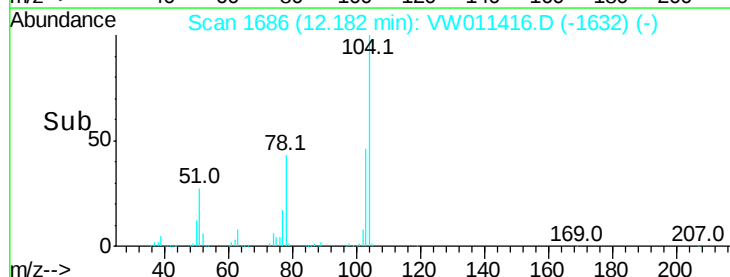
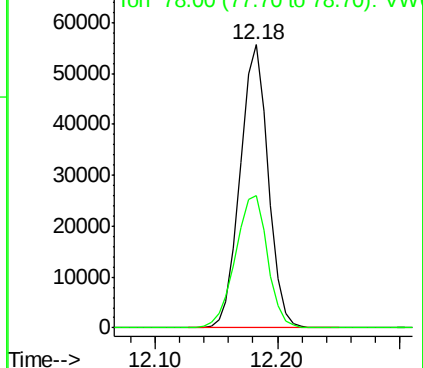


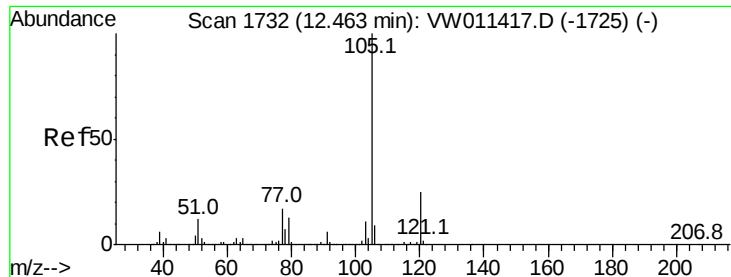
#56
Styrene
Concen: 5.048 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion:104 Resp: 88632
Ion Ratio Lower Upper
104 100
78 46.8 33.5 62.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 5.196 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

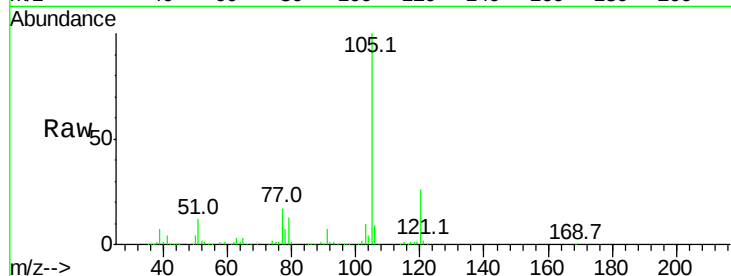
Tgt Ion:105 Resp: 145153

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

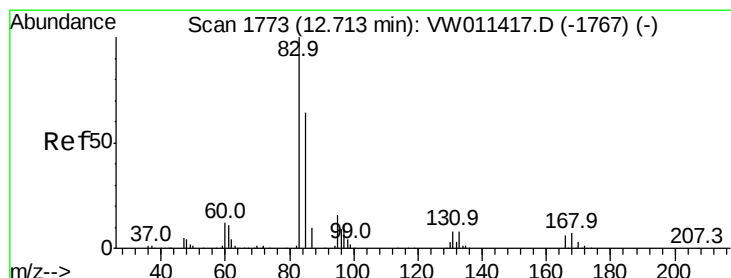
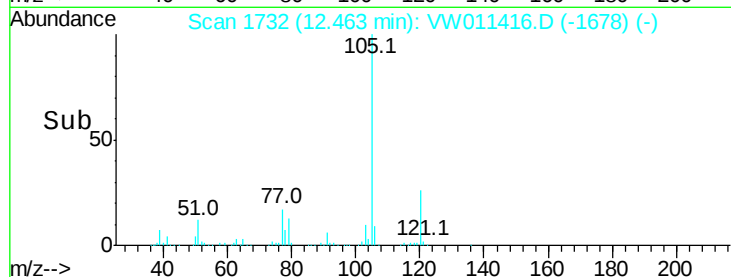
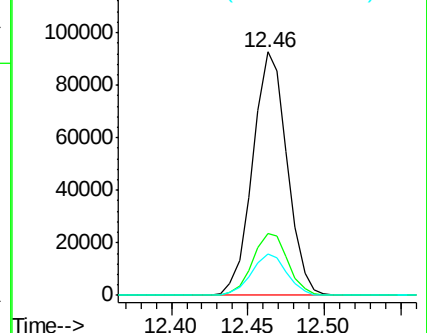
77 17.3 13.3 19.9



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.721 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

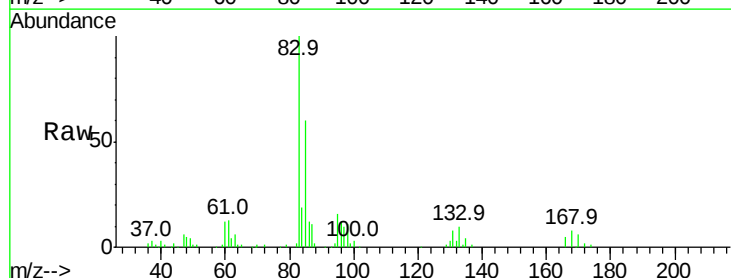
Tgt Ion: 83 Resp: 30080

Ion Ratio Lower Upper

83 100

85 60.3 45.1 83.9

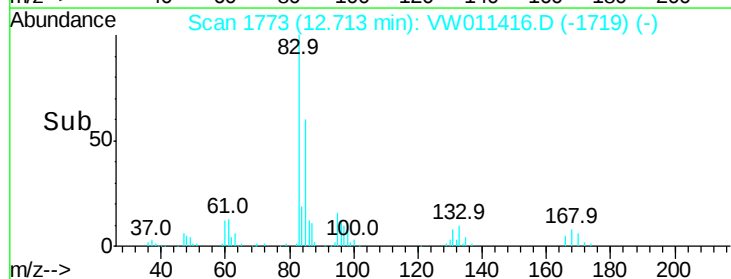
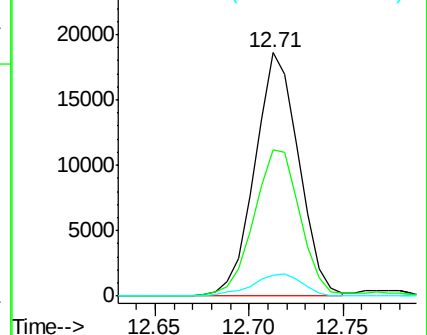
131 8.4 7.0 10.6

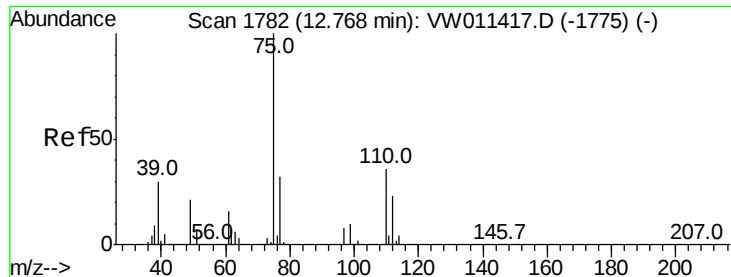


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.646 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

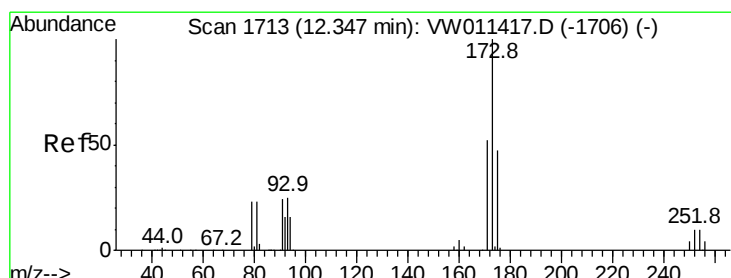
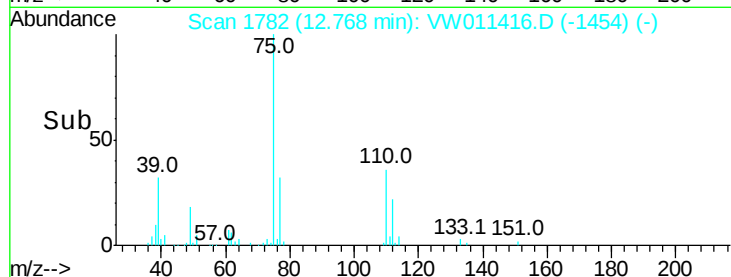
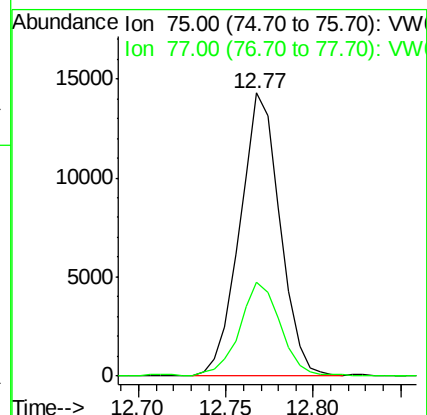
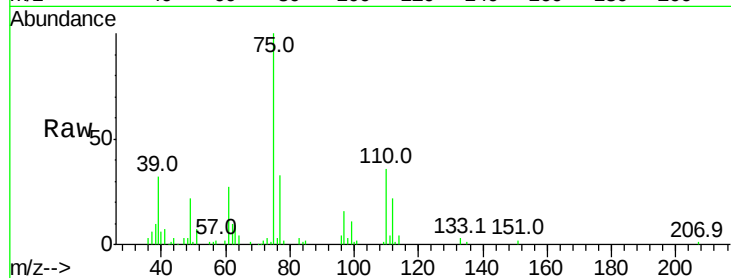
VSTD00505

Tgt Ion: 75 Resp: 22733

Ion Ratio Lower Upper

75 100

77 33.8 25.8 38.8



#62

Bromoform

Concen: 4.865 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

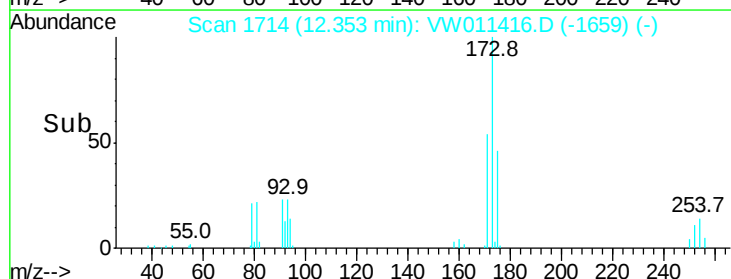
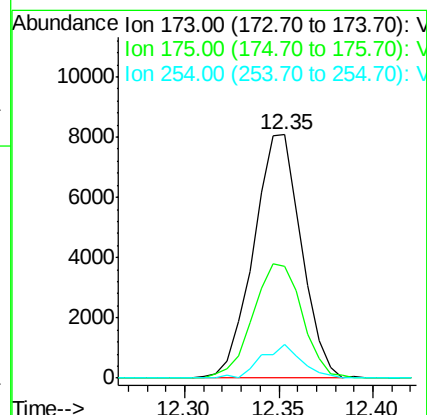
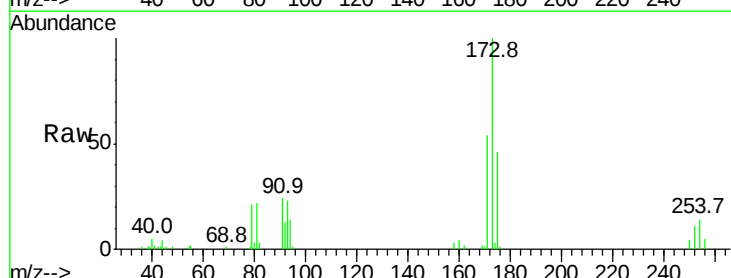
Tgt Ion: 173 Resp: 14167

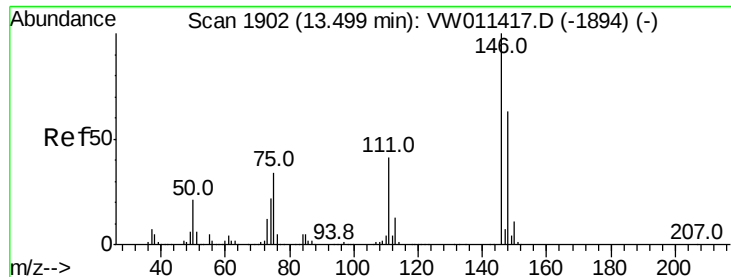
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 11.4 8.5 12.7

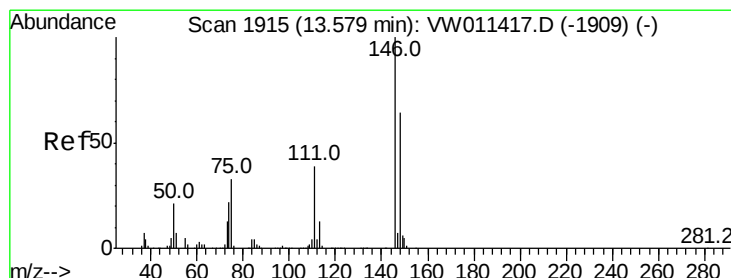
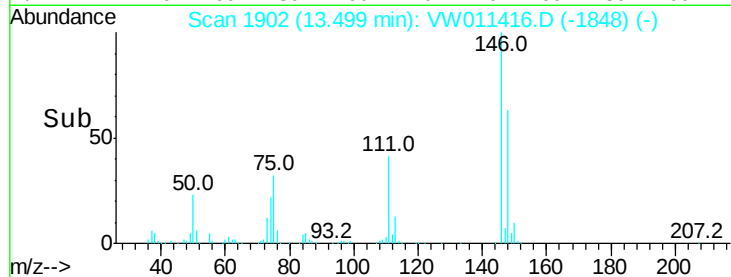
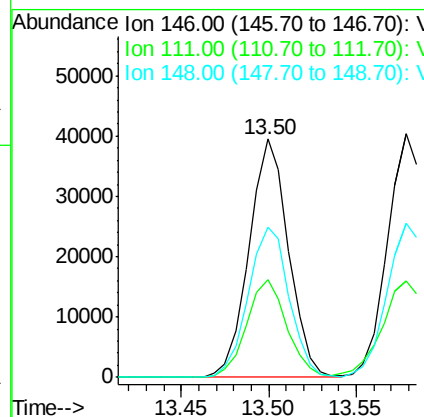
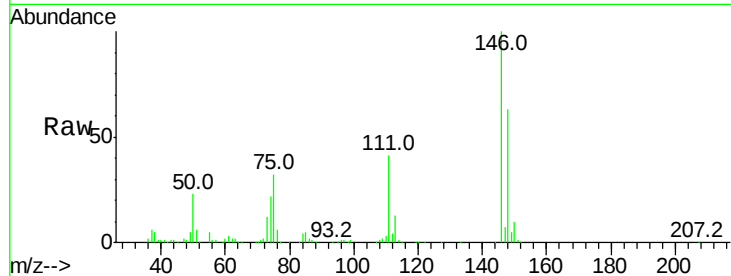




#63
 1,3-Dichlorobenzene
 Concen: 5.150 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

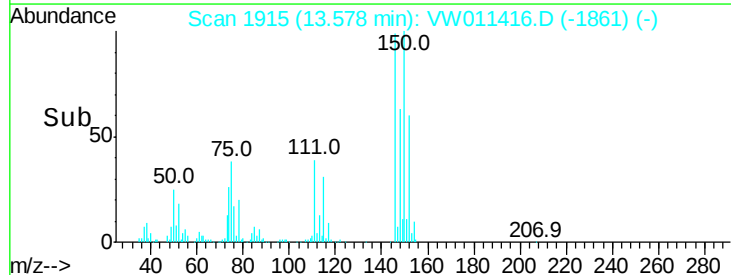
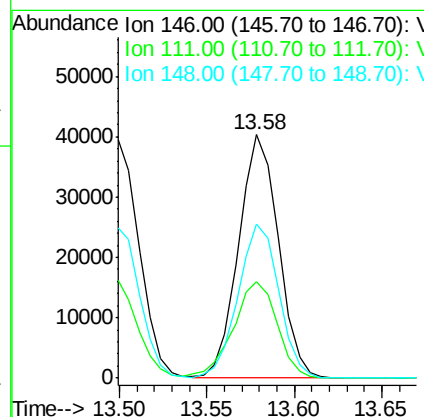
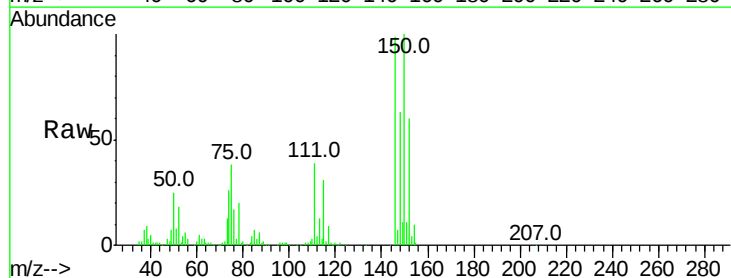
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

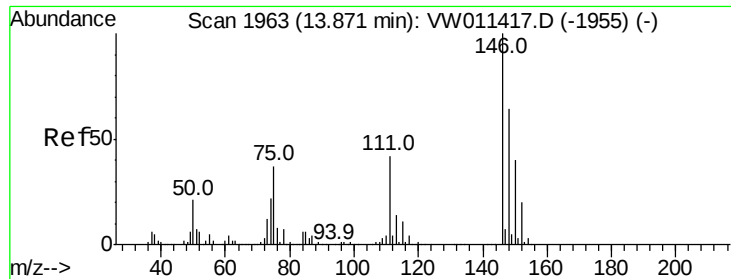
Tgt Ion:146 Resp: 61911
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.0 53.8
 148 63.2 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

Tgt Ion:146 Resp: 63941
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.8 51.6
 148 63.1 44.9 83.5

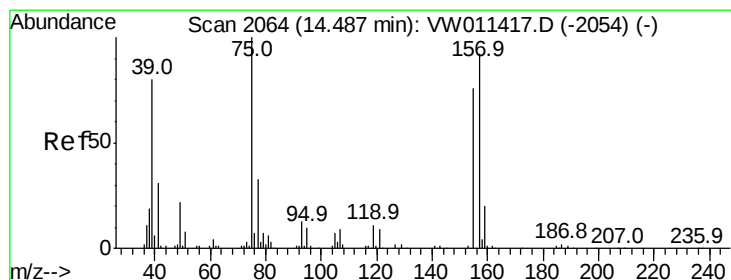
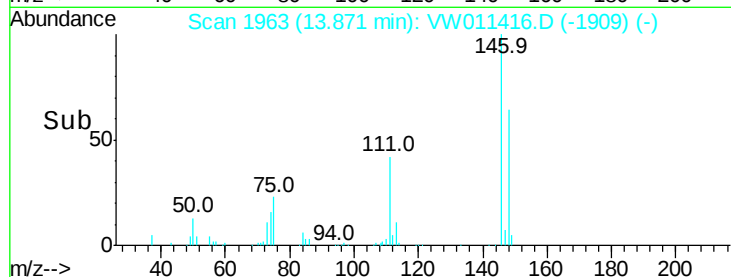
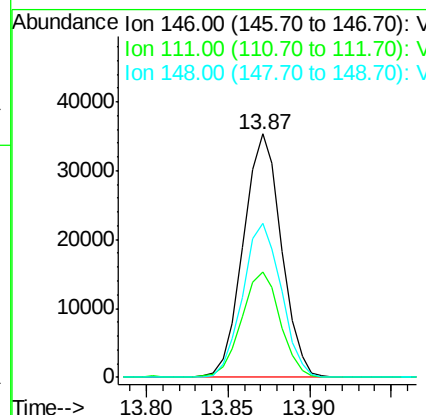
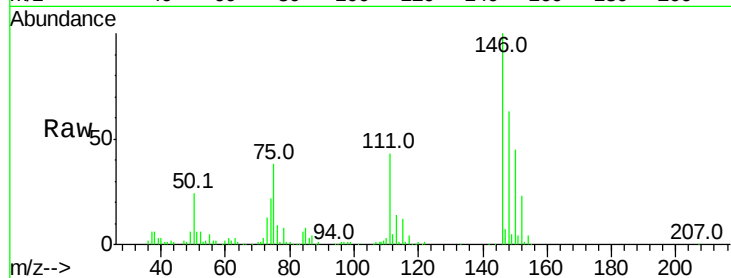




#65
1,2-Dichlorobenzene
Concen: 5.155 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

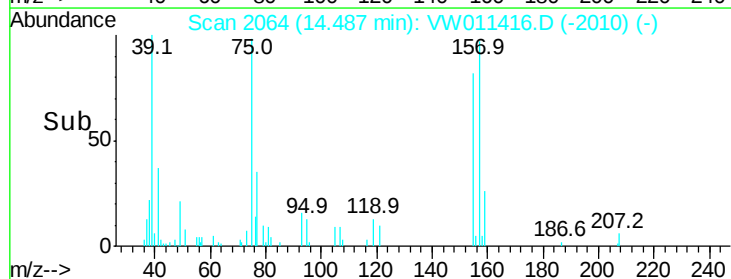
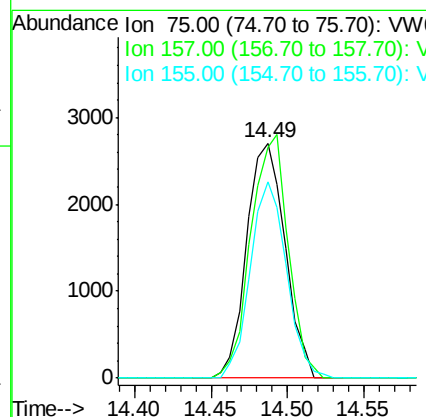
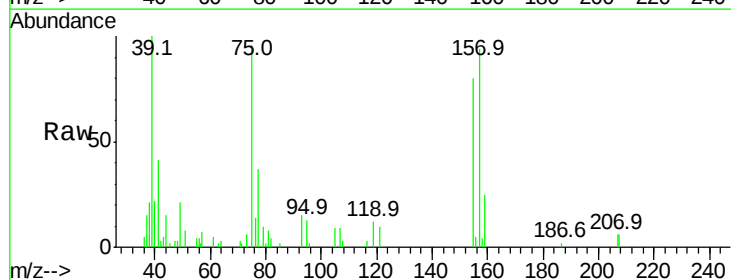
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

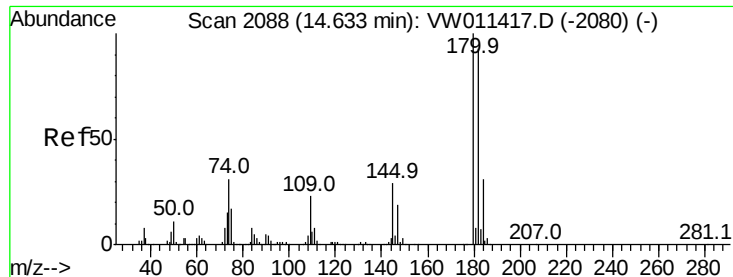
Tgt Ion:146 Resp: 57691
Ion Ratio Lower Upper
146 100
111 43.3 33.8 50.8
148 63.4 51.6 77.4



#66
1,2-Dibromo-3-chloropropane
Concen: 4.277 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011416.D
Acq: 22 Jul 2019 12:44

Tgt Ion: 75 Resp: 4699
Ion Ratio Lower Upper
75 100
157 98.3 73.7 110.5
155 83.5 61.0 91.6

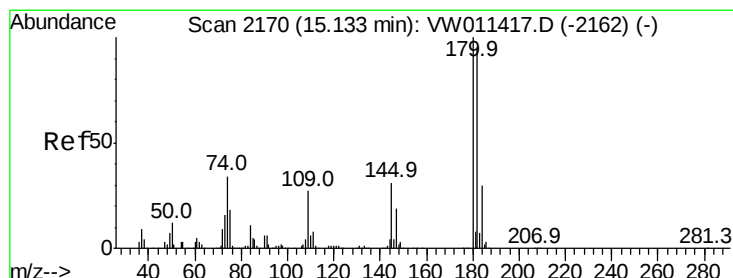
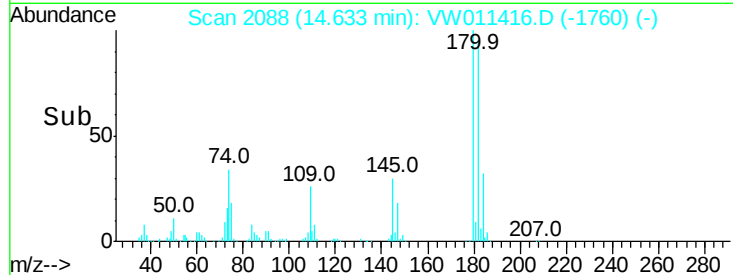
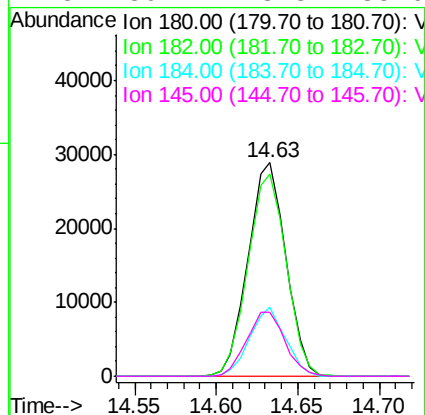
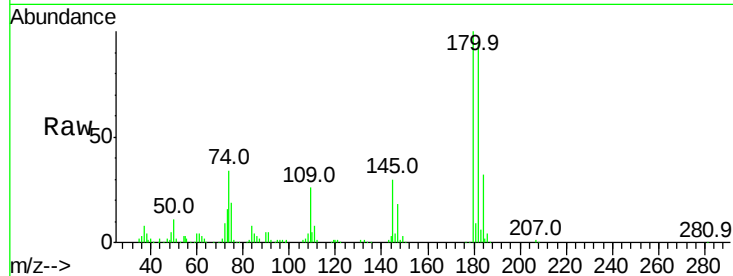




#67
 1,3,5-Trichlorobenzene
 Concen: 5.138 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

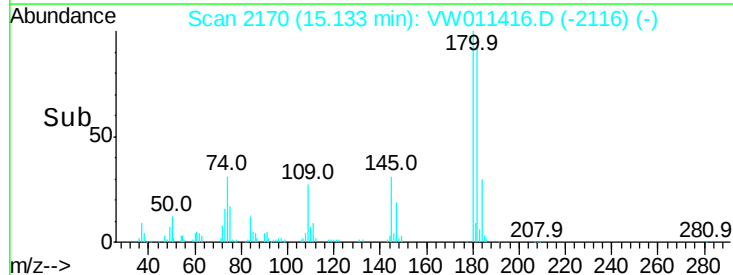
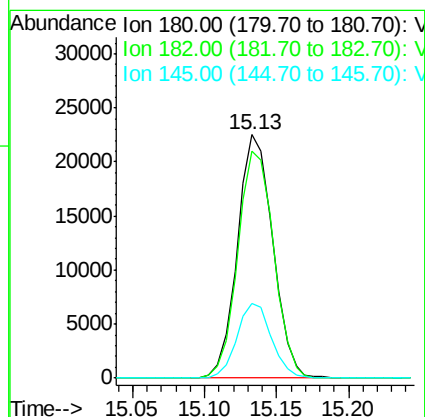
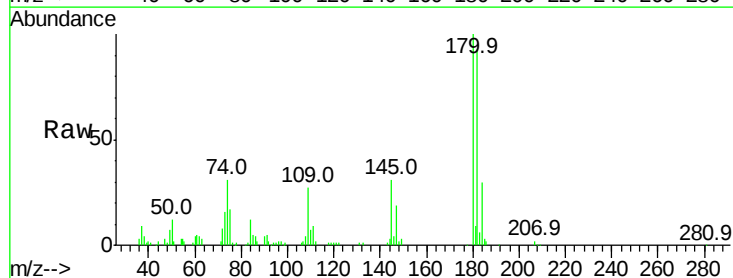
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

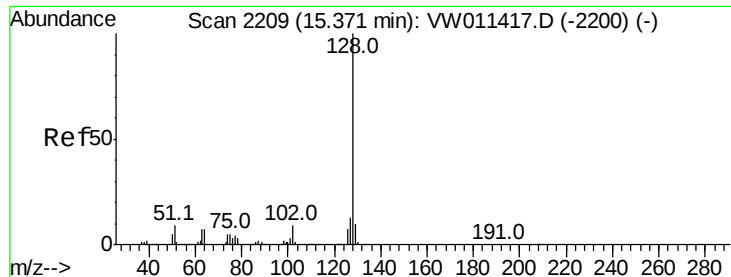
Tgt Ion:180 Resp: 46802
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.1 114.1
 184 30.6 24.7 37.1
 145 30.7 23.8 35.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.038 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011416.D
 Acq: 22 Jul 2019 12:44

Tgt Ion:180 Resp: 38443
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.4 114.6
 145 30.0 24.2 36.2





#69

Naphthalene

Concen: 4.268 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

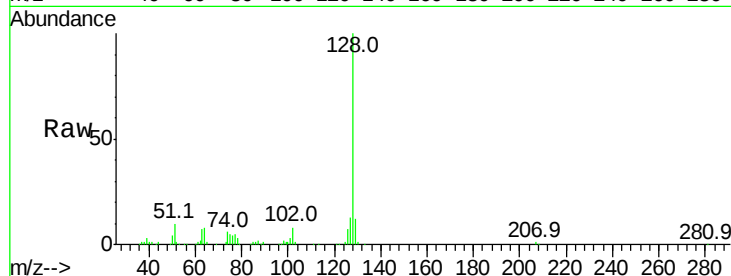
Tgt Ion:128 Resp: 68210

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

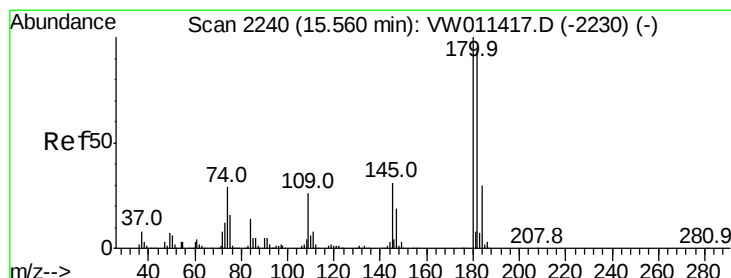
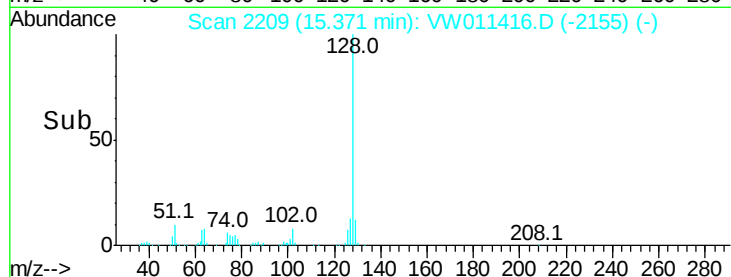
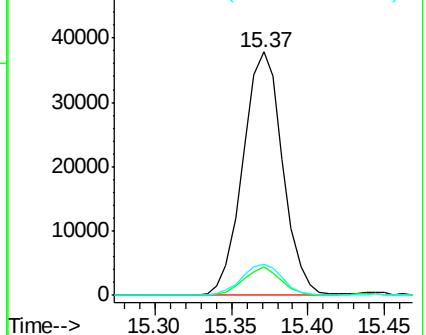
127 13.1 10.5 15.7



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: 4.953 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011416.D

Acq: 22 Jul 2019 12:44

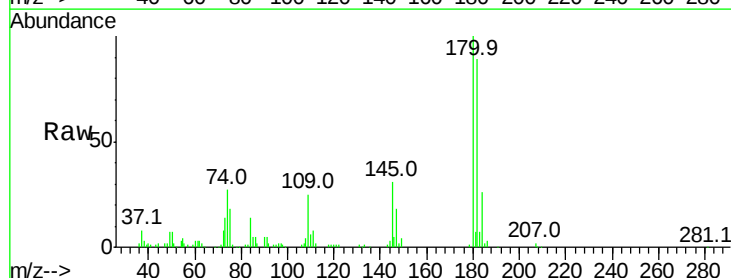
Tgt Ion:180 Resp: 34580

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

145 30.8 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

