

Data File : VW013892.D
Acq On : 01 Nov 2019 11:28
Operator : SY/VA
Sample : VSTD02517
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Nov 01 12:21:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 10:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	260594	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	251059	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	106687	26.89	ug/L	0.00
7) Chloroethane-d5	2.89	69	85832	27.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	217901	27.45	ug/L	0.00
20) 2-Butanone-d5	7.07	46	88749	63.65	ug/L	0.00
24) Chloroform-d	7.65	84	210433	26.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	113109	26.08	ug/L	0.00
29) Benzene-d6	8.27	84	442985	27.23	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	131191	26.91	ug/L	0.00
37) Toluene-d8	10.32	98	421415	27.09	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	60984	27.34	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	71856	64.03	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125028	28.22	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	154864	26.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70011	24.298	ug/L	98
3) Chloromethane	2.21	50	78252	25.263	ug/L	99
5) Vinyl chloride	2.36	62	124016	28.239	ug/L	100
6) Bromomethane	2.78	94	74134	26.793	ug/L	99
8) Chloroethane	2.92	64	69473	28.012	ug/L	95
9) Trichlorofluoromethane	3.25	101	66194	34.567	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	118076	27.444	ug/L	97
12) 1,1-Dichloroethene	4.04	96	118329	27.426	ug/L	96
13) Acetone	4.12	43	72863	55.839	ug/L	99
14) Carbon disulfide	4.39	76	356486	28.428	ug/L	98
15) Methyl Acetate	4.67	43	72593	30.214	ug/L	100
16) Methylene chloride	4.92	84	119395	23.436	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	153880	28.642	ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	124118	27.464	ug/L	97
19) 1,1-Dichloroethane	6.21	63	207668	26.864	ug/L	98
21) 2-Butanone	7.17	43	108285	57.832	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	130825	27.044	ug/L	96
23) Bromochloromethane	7.51	128	60245	26.677	ug/L	97
25) Chloroform	7.67	83	204435	26.342	ug/L	99
27) 1,2-Dichloroethane	8.40	62	137684	26.974	ug/L	99
30) Cyclohexane	7.96	56	208388	28.918	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	163446	28.406	ug/L	99
32) Carbon tetrachloride	8.07	117	161625	28.219	ug/L	97
34) Benzene	8.32	78	484687	27.840	ug/L	100
35) Trichloroethene	9.09	95	127992	27.856	ug/L	99
36) Methylcyclohexane	9.34	83	229588	28.864	ug/L	100
40) 1,2-Dichloropropane	9.37	63	116482	27.083	ug/L	99
41) Bromodichloromethane	9.65	83	146156	27.058	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	184522	27.328	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	200025	60.274	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	529688	28.177	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	156336	28.389	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	94115	27.140	ug/L	98
47) Tetrachloroethene	10.86	164	116257	28.173	ug/L	99
49) 2-Hexanone	10.97	43	151794	63.919	ug/L	98
50) Dibromochloromethane	11.13	129	109812	27.239	ug/L	99
51) 1,2-Dibromoethane	11.23	107	95390	28.105	ug/L	99
52) Chlorobenzene	11.66	112	328383	26.937	ug/L	99
53) Ethylbenzene	11.73	91	581108	28.004	ug/L	99
54) m,p-Xylene	11.84	106	225185	27.738	ug/L	97
55) o-xylene	12.16	106	213624	27.958	ug/L	98
56) Styrene	12.18	104	367987	28.068	ug/L	99
57) Isopropylbenzene	12.46	105	579448	28.335	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	123637	28.400	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	96522	29.099	ug/L	100
62) Bromoform	12.35	173	74473	27.945	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	274542	27.463	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	271088	26.733	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	251723	27.242	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	22085	30.240	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	215889	28.071	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	171984	27.881	ug/L	96
69) Naphthalene	15.36	128	368143	31.022	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	160405	28.125	ug/L	99

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

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VSTD02501

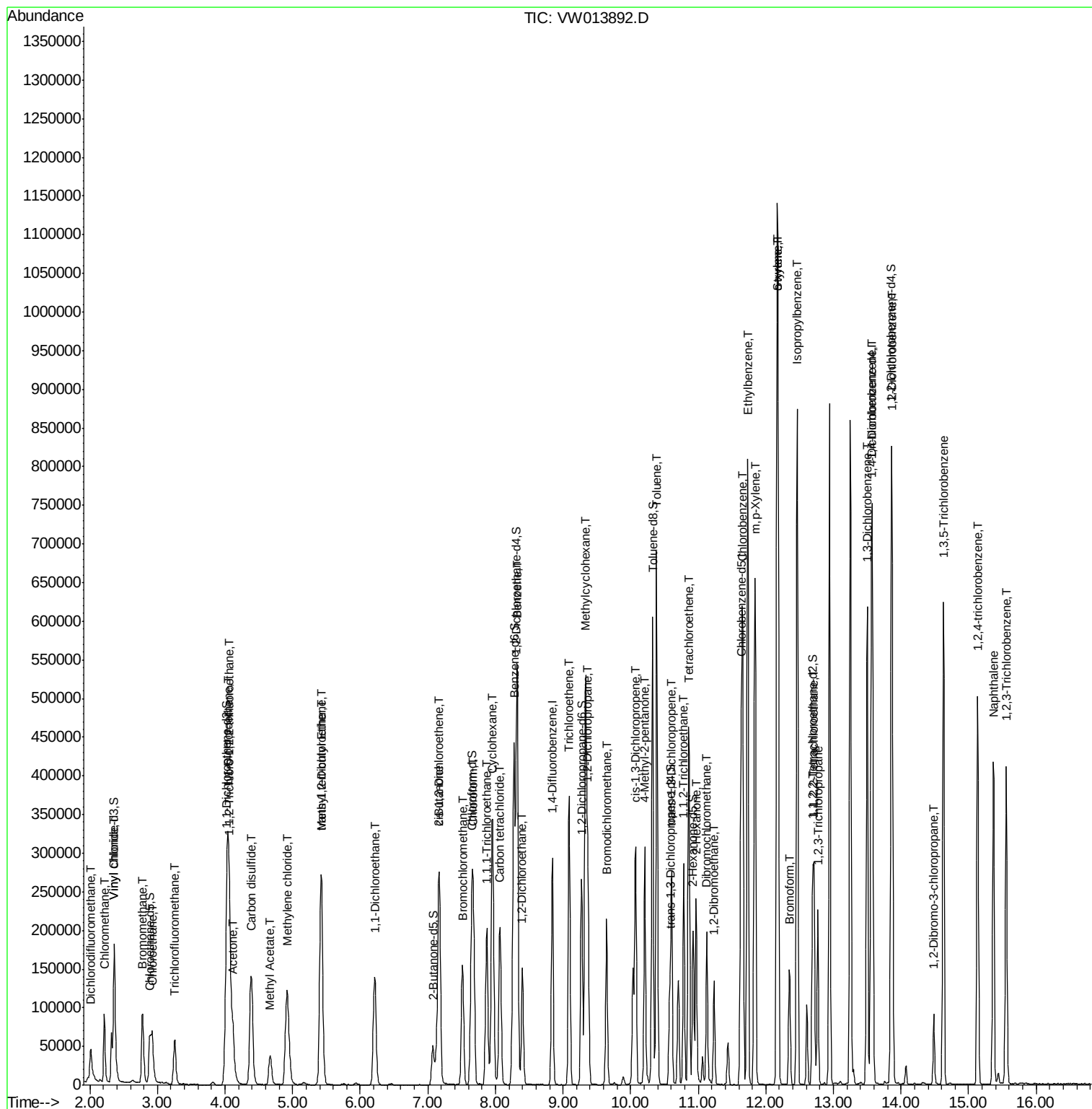
Quant Time: Nov 01 12:21:32 2019

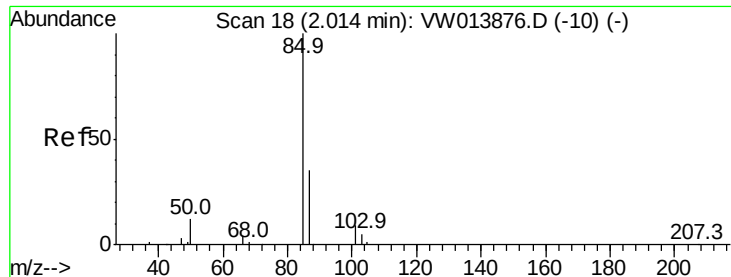
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M

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#2

Dichlorodifluoromethane

Concen: 24.298 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

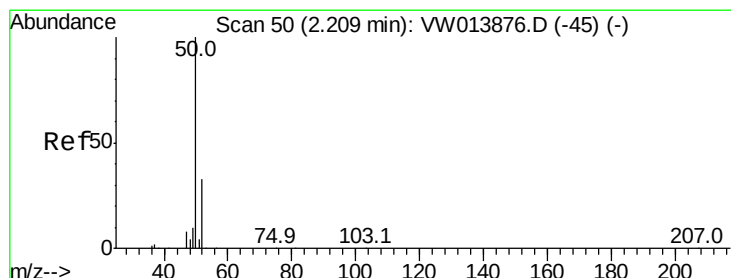
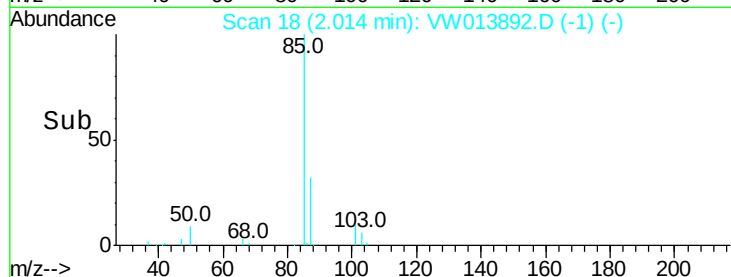
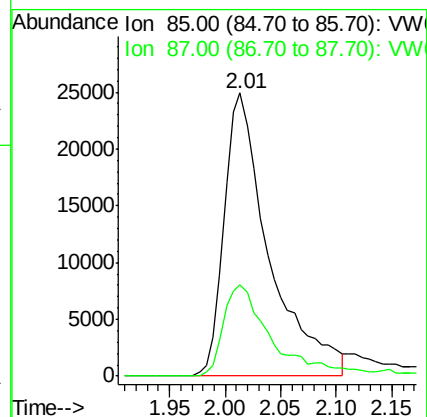
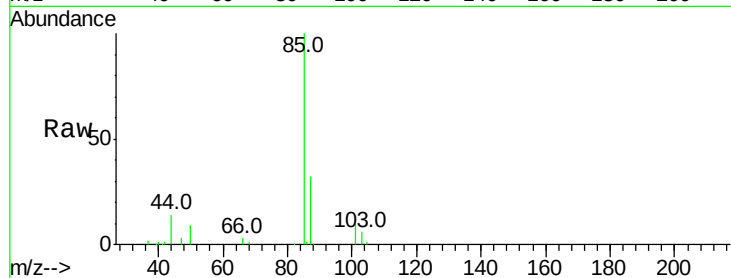
VSTD02501

Tgt Ion: 85 Resp: 70011

Ion Ratio Lower Upper

85 100

87 30.9 22.5 41.7



#3

Chloromethane

Concen: 25.263 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013892.D

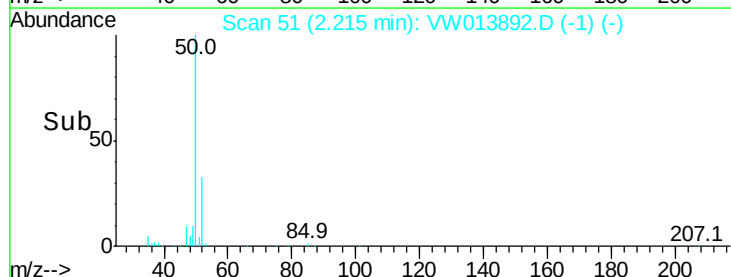
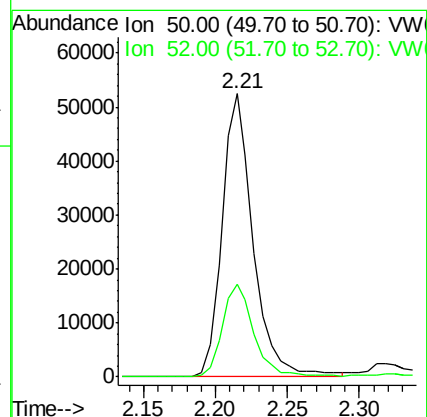
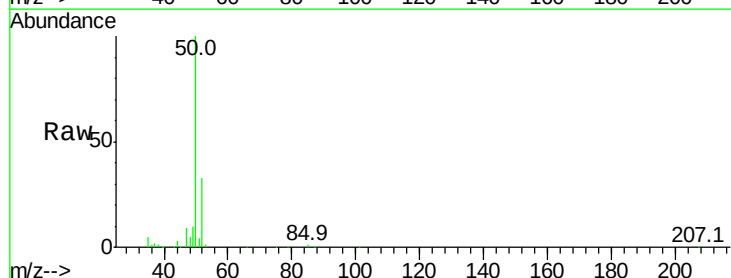
Acq: 01 Nov 2019 11:28

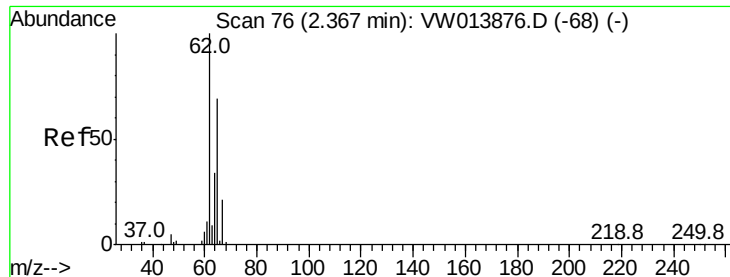
Tgt Ion: 50 Resp: 78252

Ion Ratio Lower Upper

50 100

52 32.8 22.5 41.9





#5

Vinyl chloride

Concen: 28.239 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

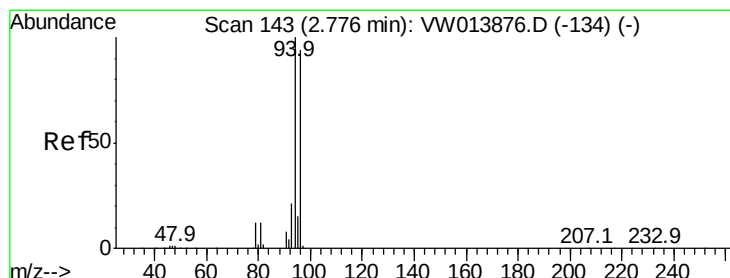
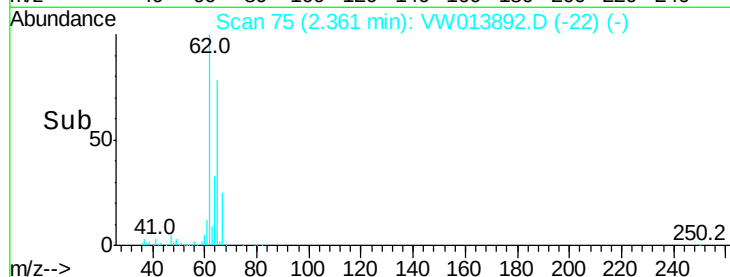
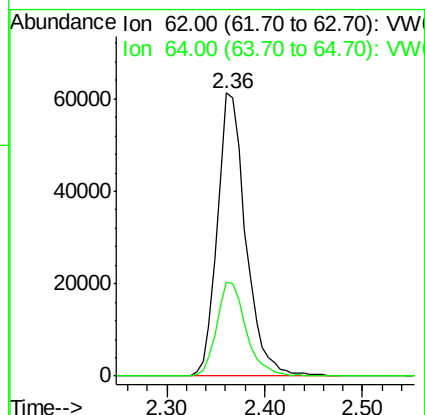
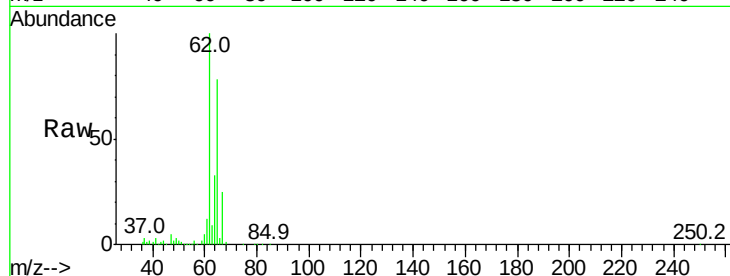
VSTD02501

Tgt Ion: 62 Resp: 124016

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 26.793 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013892.D

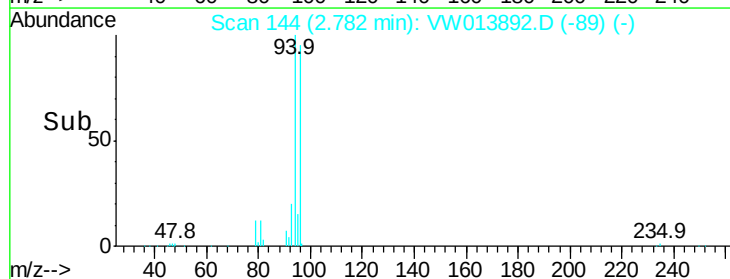
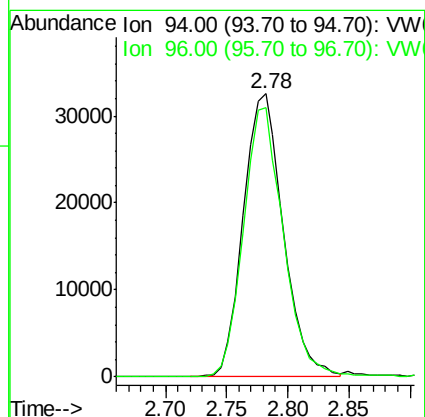
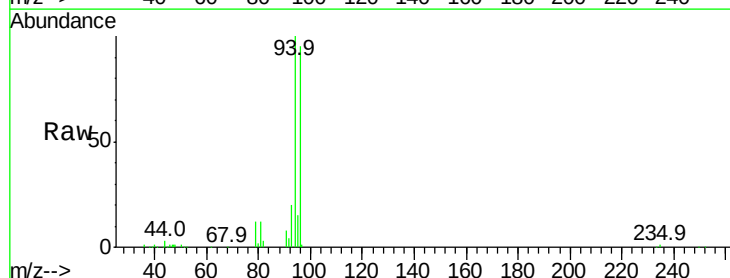
Acq: 01 Nov 2019 11:28

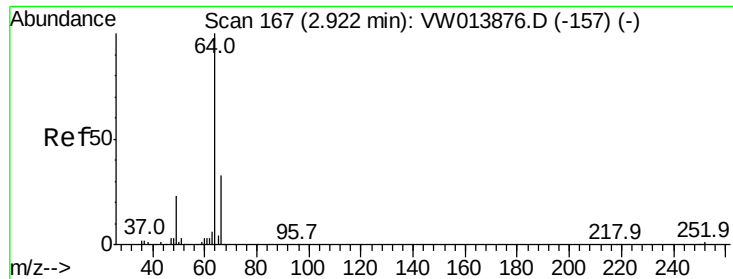
Tgt Ion: 94 Resp: 74134

Ion Ratio Lower Upper

94 100

96 94.6 9.3 177.3

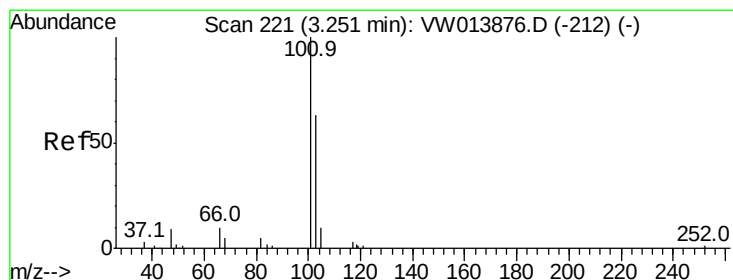
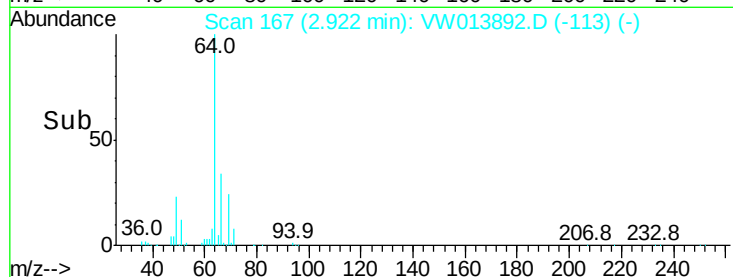
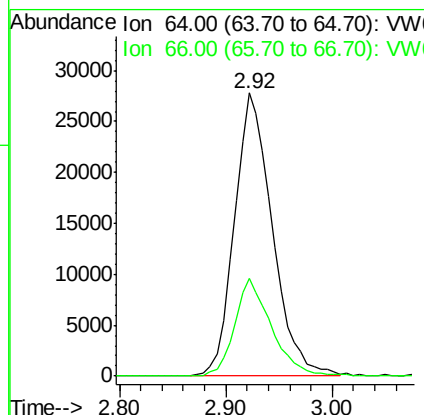
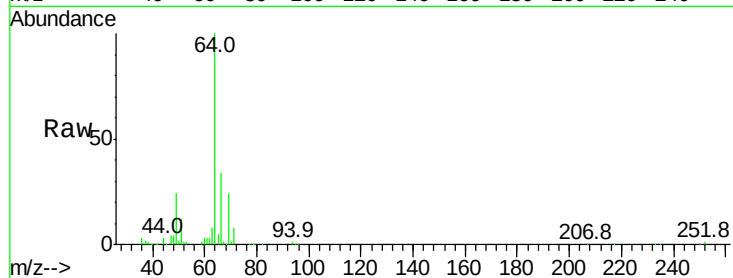




#8
 Chloroethane
 Concen: 28.012 ug/L
 RT: 2.92 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

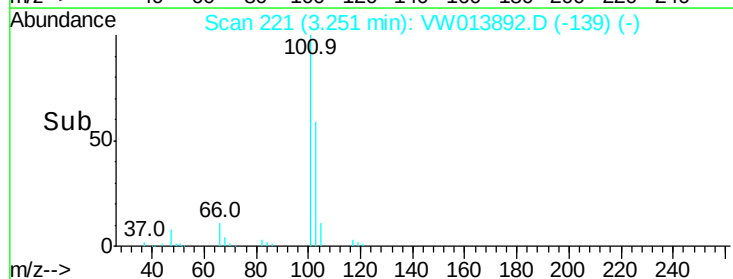
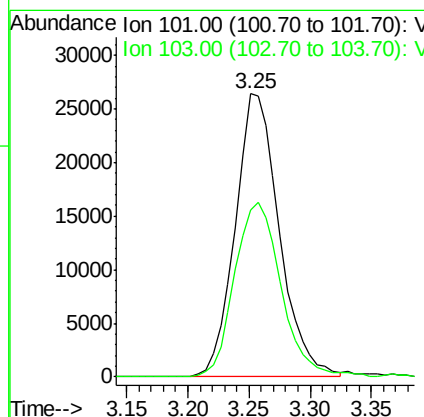
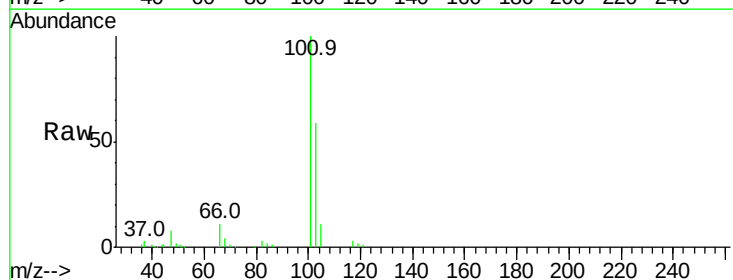
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

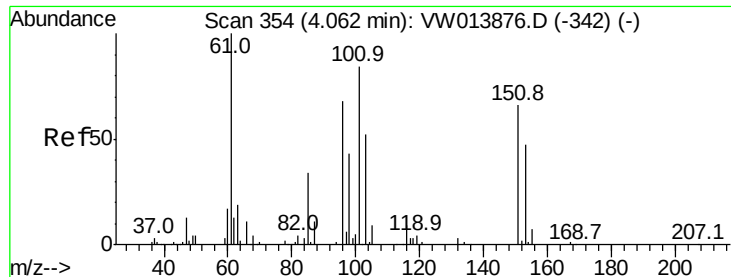
Tgt Ion: 64 Resp: 69473
 Ion Ratio Lower Upper
 64 100
 66 34.4 22.0 41.0



#9
 Trichlorofluoromethane
 Concen: 34.567 ug/L
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

Tgt Ion: 101 Resp: 66194
 Ion Ratio Lower Upper
 101 100
 103 64.1 45.8 85.0





#11

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

Concen: 27.444 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

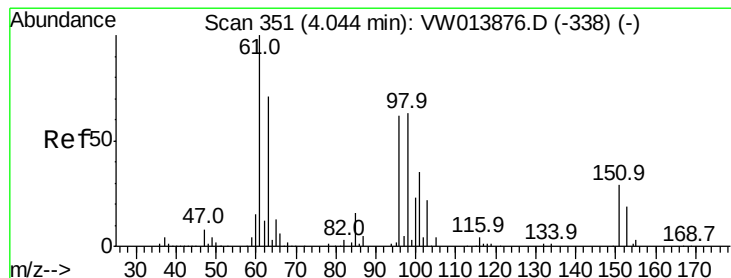
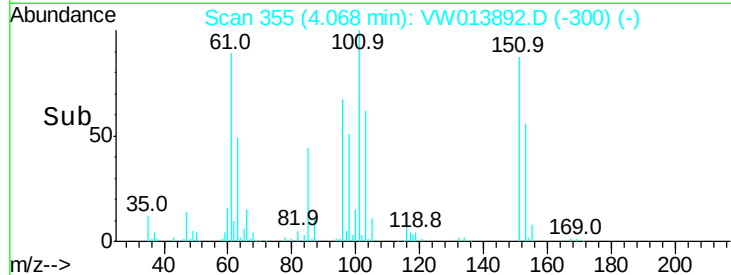
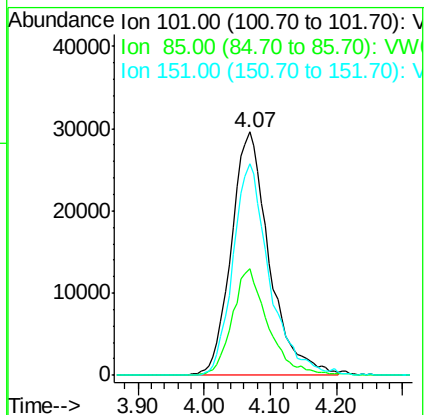
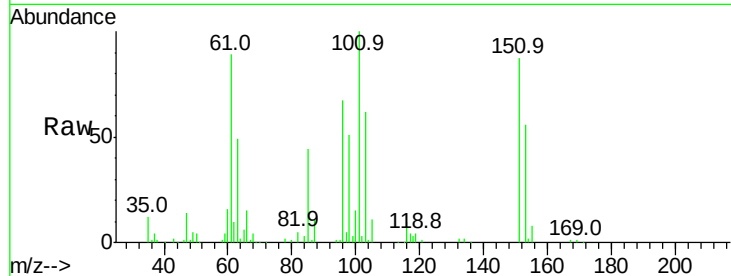
Tgt Ion:101 Resp: 118076

Ion Ratio Lower Upper

101 100

85 38.6 32.6 48.8

151 82.9 68.2 102.4



#12

1,1-Dichloroethene

Concen: 27.426 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

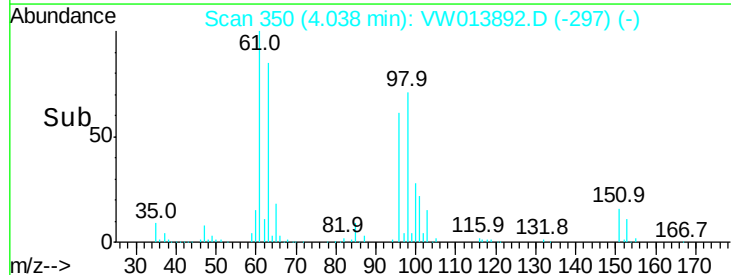
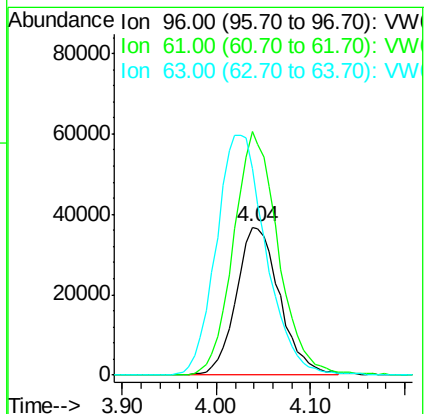
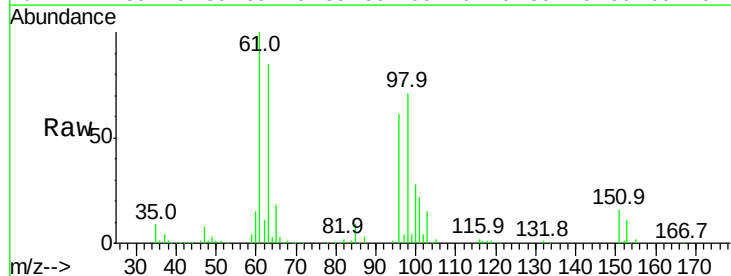
Tgt Ion: 96 Resp: 118329

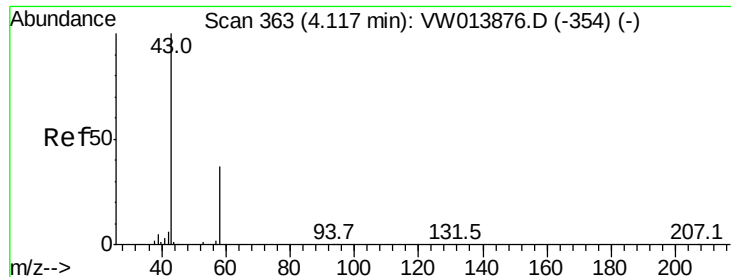
Ion Ratio Lower Upper

96 100

61 164.5 110.4 205.0

63 139.1 95.5 177.3





#13

Acetone

Concen: 55.839 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 01 Nov 2019 11:28

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ClientSampleId :

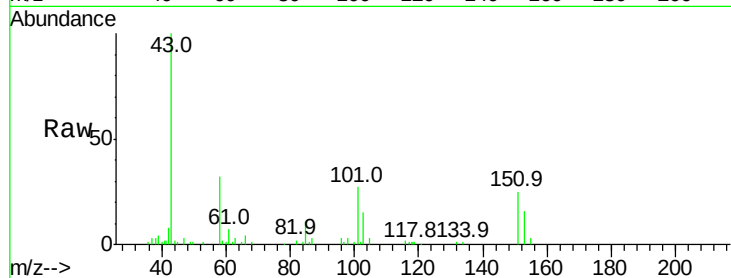
VSTD02501

Tgt Ion: 43 Resp: 72863

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

25000

20000

15000

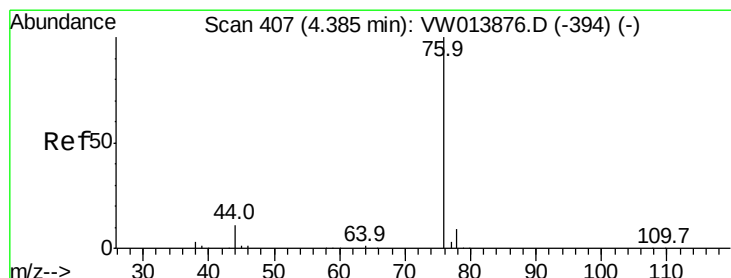
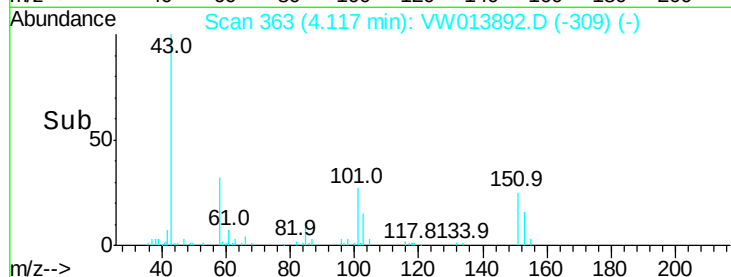
10000

5000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 28.428 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013892.D

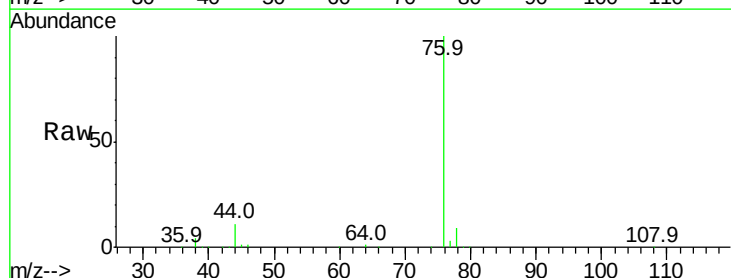
Acq: 01 Nov 2019 11:28

Tgt Ion: 76 Resp: 356486

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

120000

100000

80000

60000

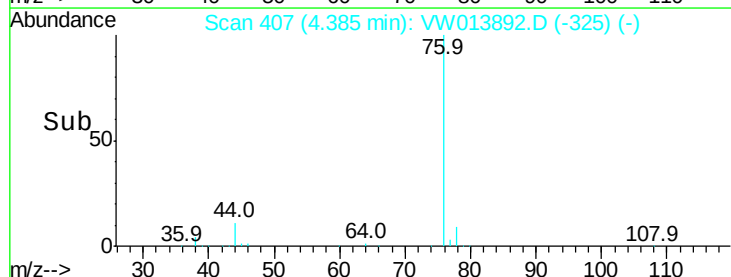
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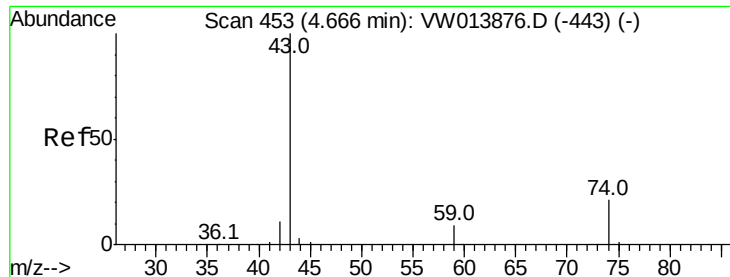
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Time-->

4.20 4.30 4.40 4.50 4.60

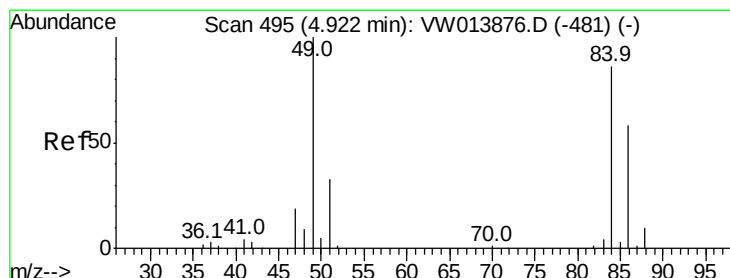
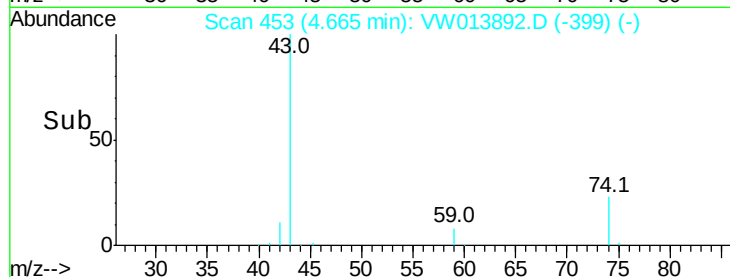
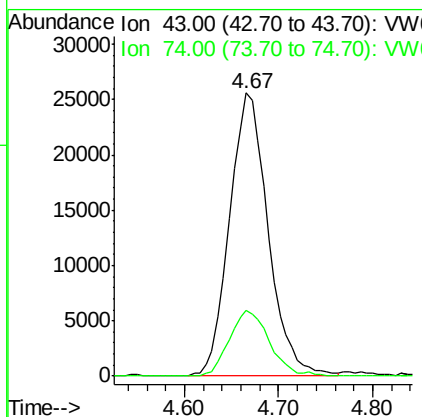
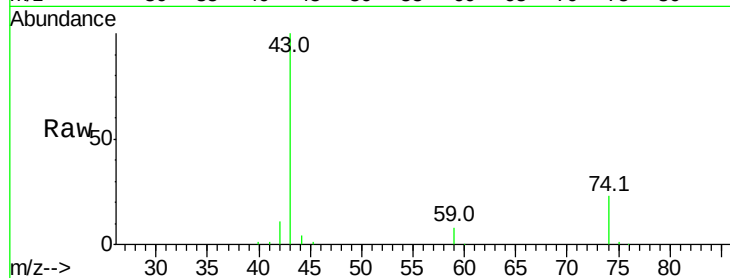




#15
Methyl Acetate
Concen: 30.214 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

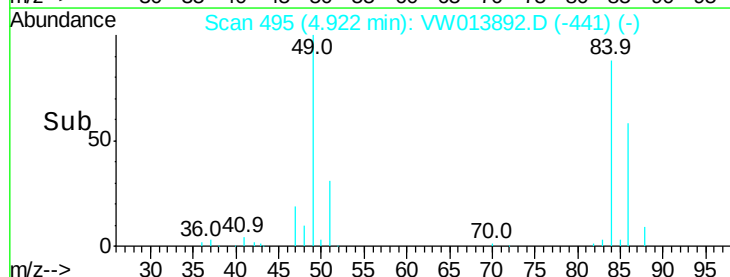
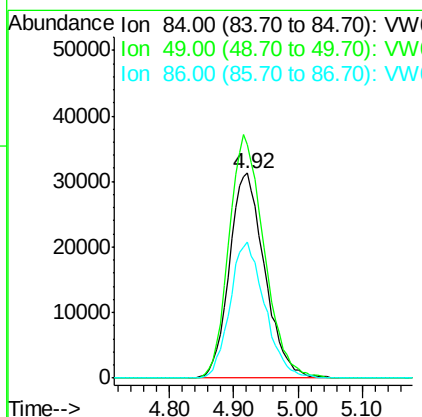
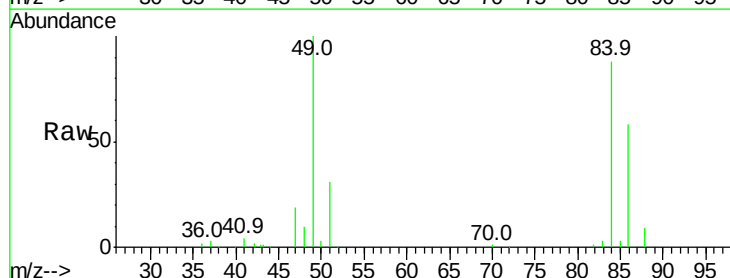
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

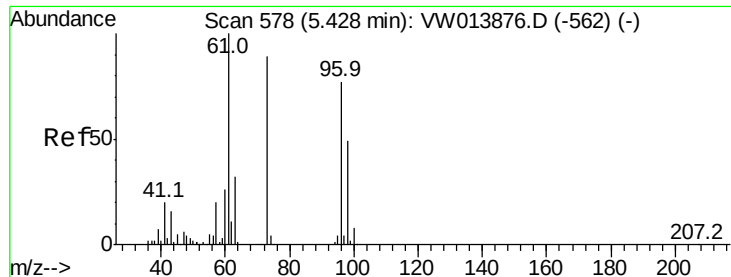
Tgt Ion: 43 Resp: 72593
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



#16
Methylene chloride
Concen: 23.436 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion: 84 Resp: 119395
Ion Ratio Lower Upper
84 100
49 113.9 82.2 152.6
86 66.3 45.6 84.8

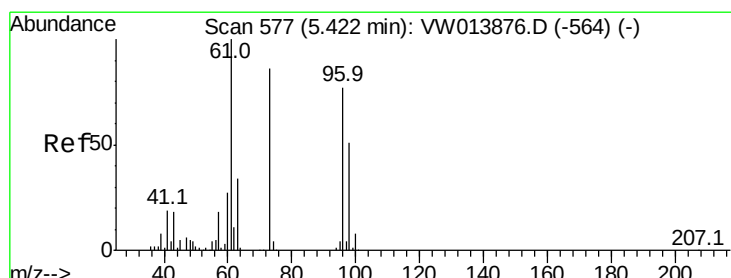
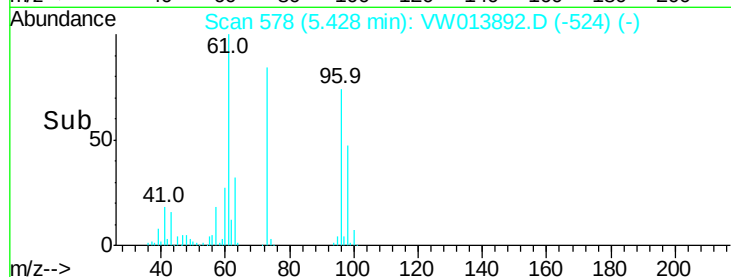
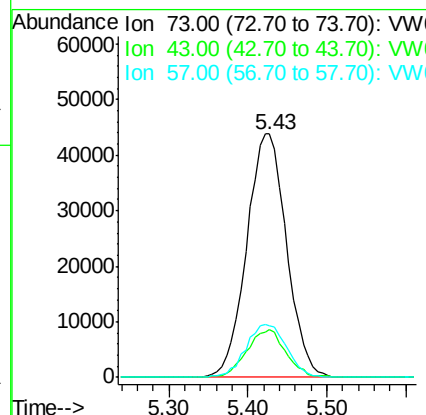
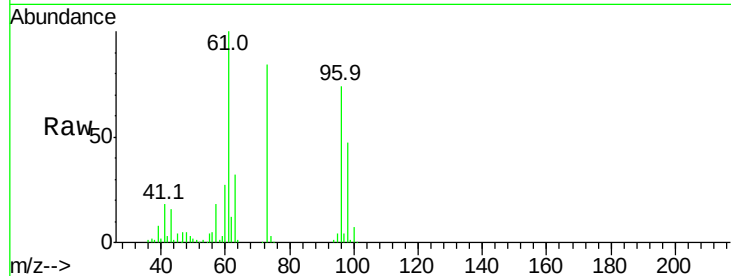




#17
Methyl tert-butyl Ether
Concen: 28.642 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

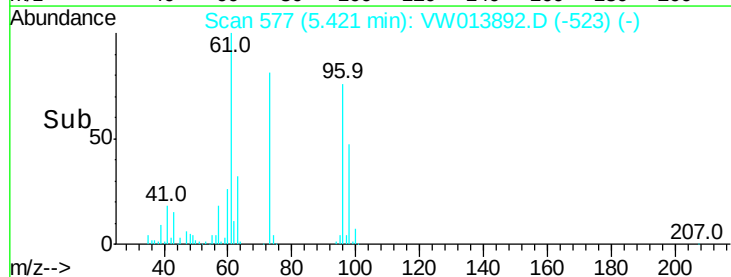
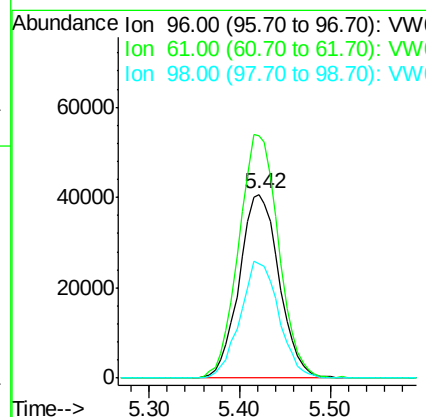
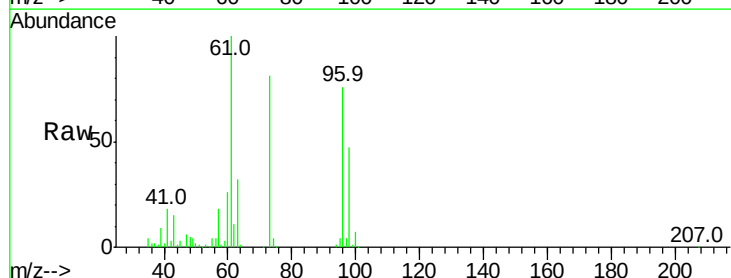
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

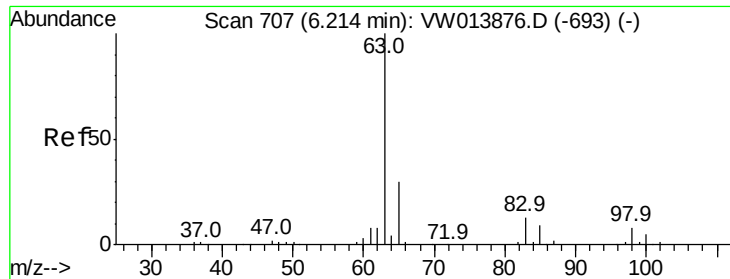
Tgt Ion: 73 Resp: 153880
Ion Ratio Lower Upper
73 100
43 18.0 15.3 22.9
57 22.2 9.4 14.2#



#18
trans-1,2-Dichloroethene
Concen: 27.464 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion: 96 Resp: 124118
Ion Ratio Lower Upper
96 100
61 132.3 95.5 177.4
98 62.5 45.4 84.4

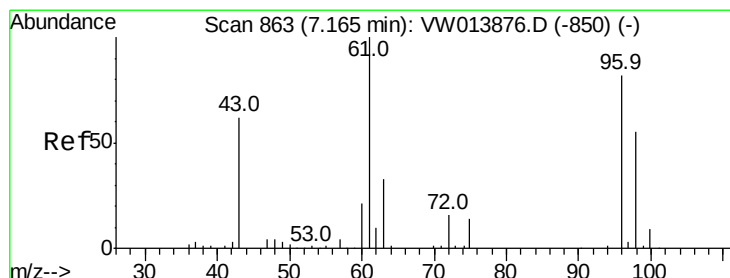
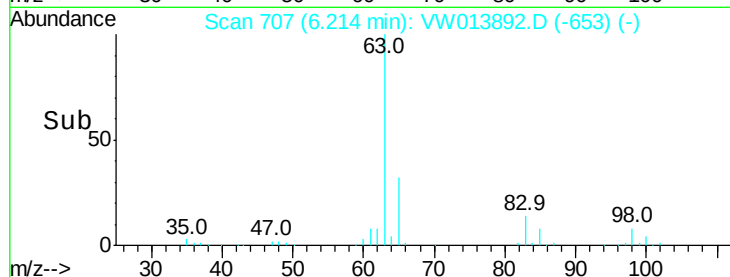
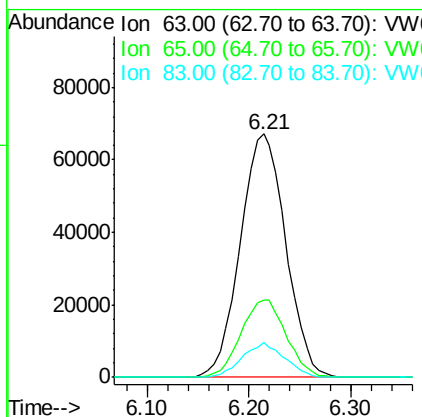
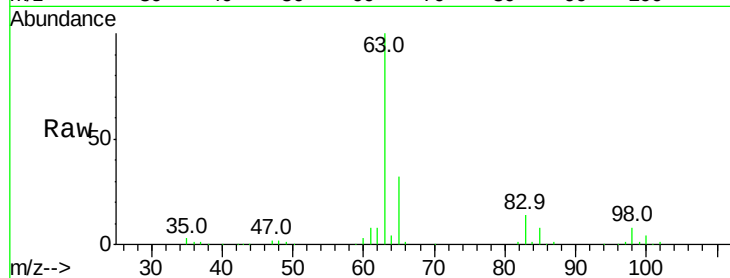




#19
 1,1-Dichloroethane
 Concen: 26.864 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

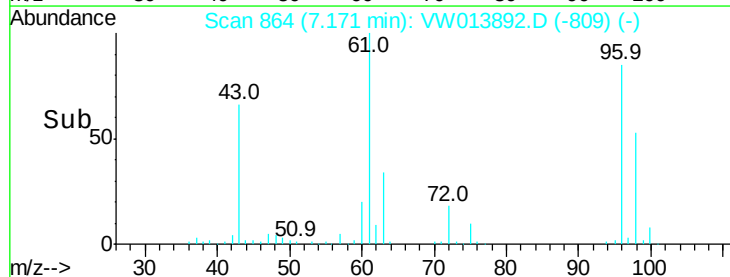
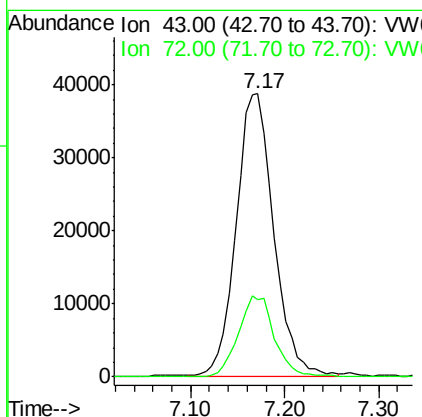
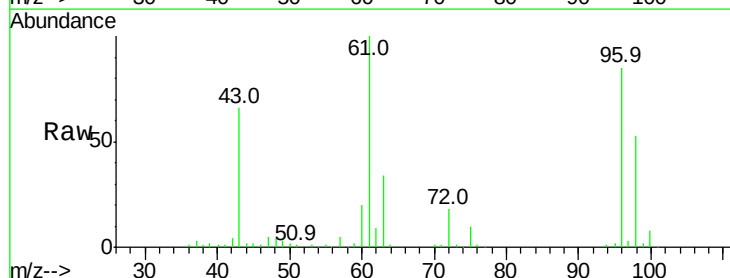
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

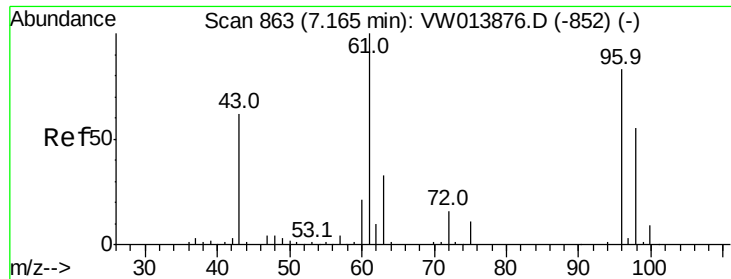
Tgt Ion: 63 Resp: 207668
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 40.8
 83 14.4 9.1 16.9



#21
 2-Butanone
 Concen: 57.832 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

Tgt Ion: 43 Resp: 108285
 Ion Ratio Lower Upper
 43 100
 72 27.2 14.0 41.9



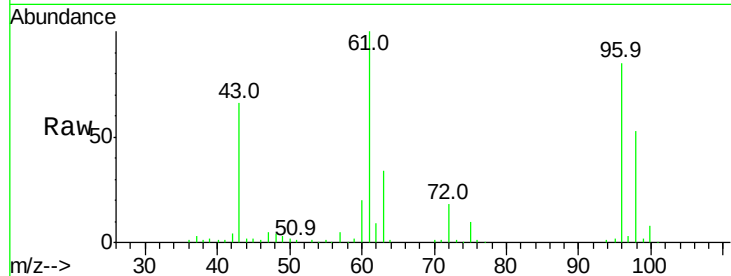


#22

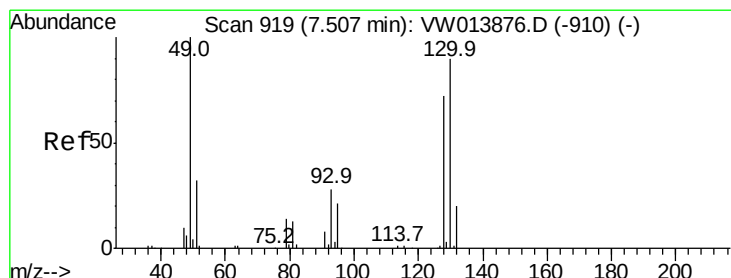
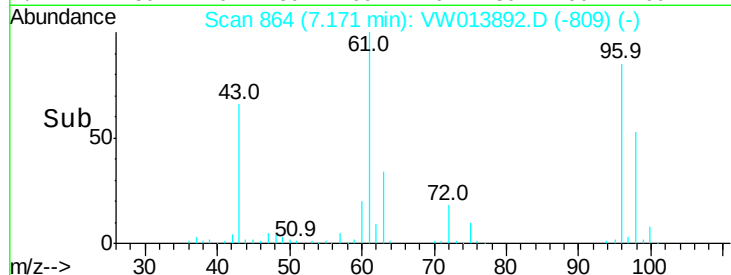
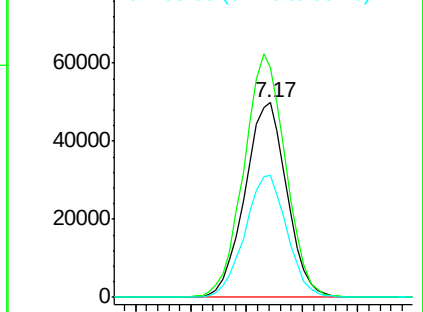
cis-1,2-Dichloroethene
Concen: 27.044 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion: 96 Resp: 130825
Ion Ratio Lower Upper
96 100
61 117.6 86.6 160.8
98 62.9 44.5 82.7



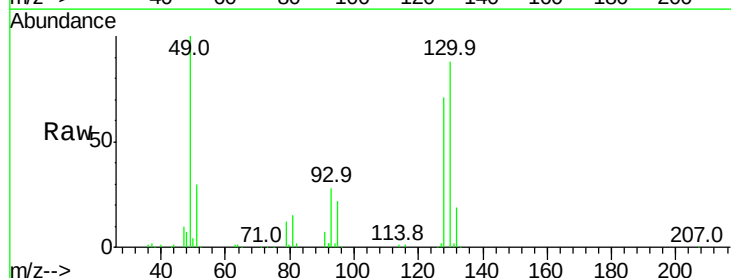
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



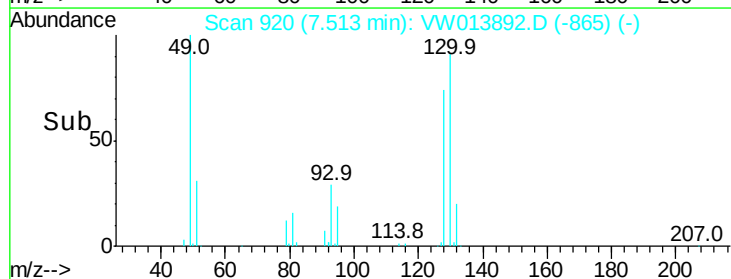
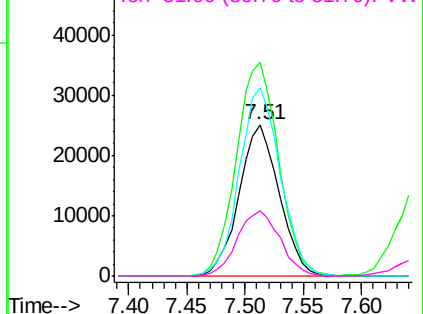
#23

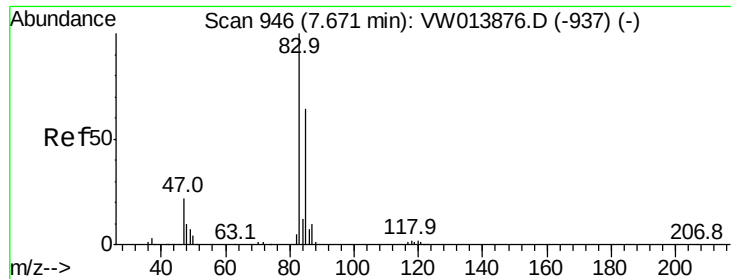
Bromochloromethane
Concen: 26.677 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion: 128 Resp: 60245
Ion Ratio Lower Upper
128 100
49 141.0 99.1 184.1
130 124.0 88.8 164.8
51 42.7 39.6 59.4



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

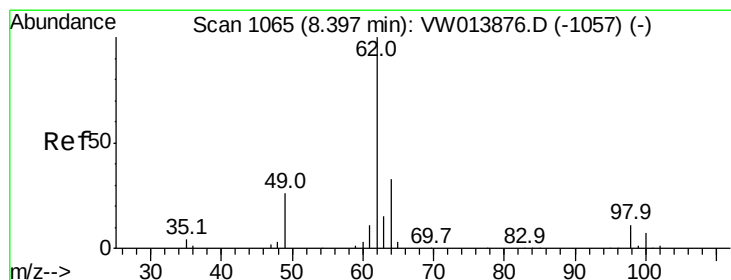
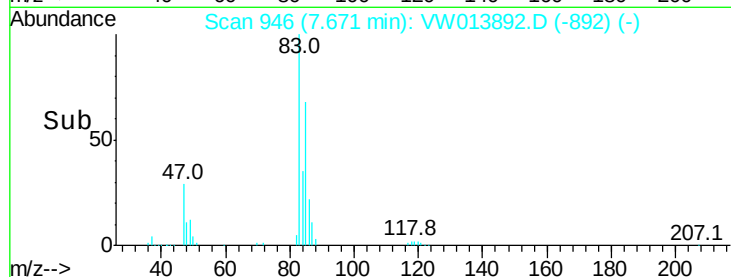
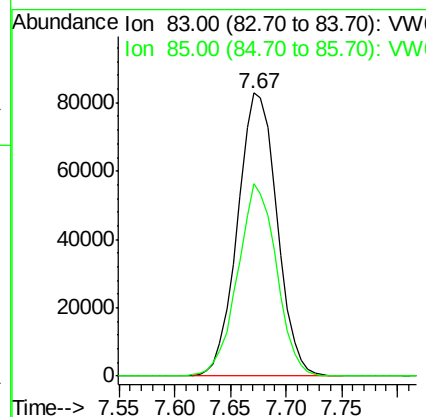
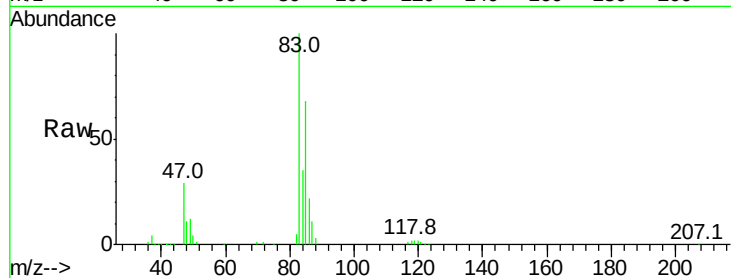




#25
Chloroform
Concen: 26.342 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

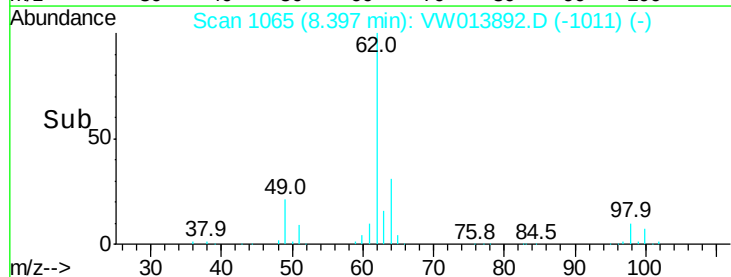
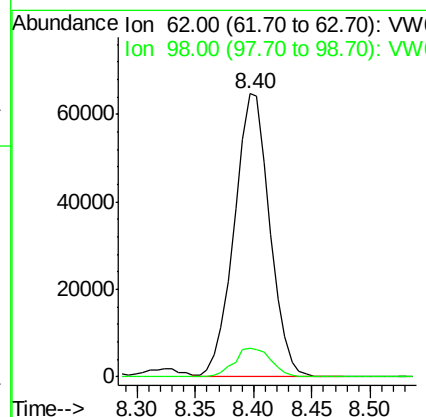
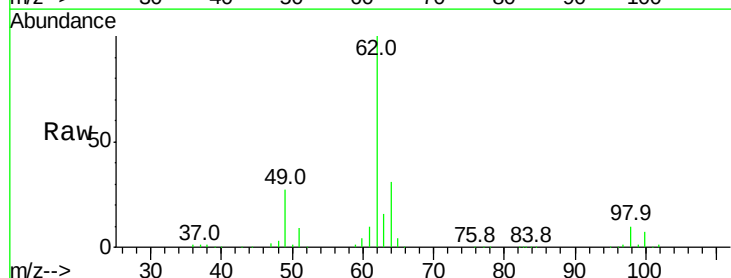
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

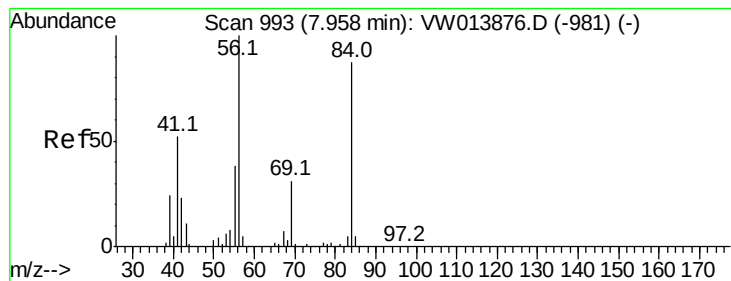
Tgt Ion: 83 Resp: 204435
Ion Ratio Lower Upper
83 100
85 67.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 26.974 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion: 62 Resp: 137684
Ion Ratio Lower Upper
62 100
98 10.2 8.6 12.8





#30

Cyclohexane

Concen: 28.918 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

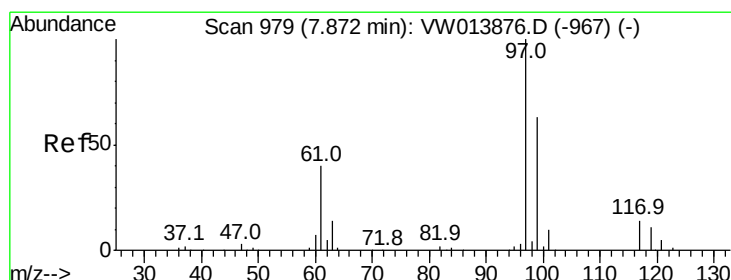
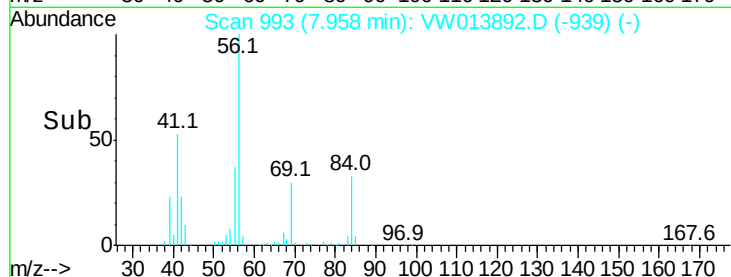
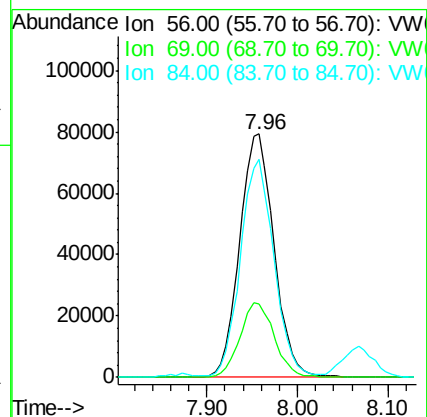
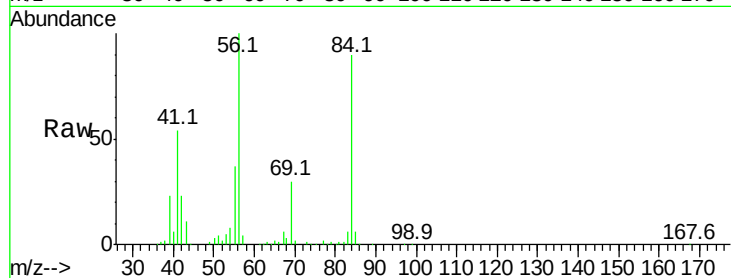
Tgt Ion: 56 Resp: 208388

Ion Ratio Lower Upper

56 100

69 30.6 24.6 36.8

84 88.2 70.2 105.4



#31

1,1,1-Trichloroethane

Concen: 28.406 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

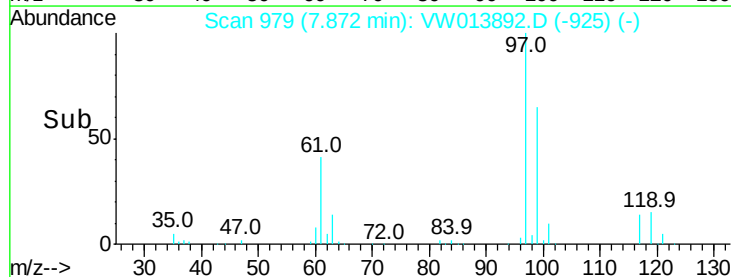
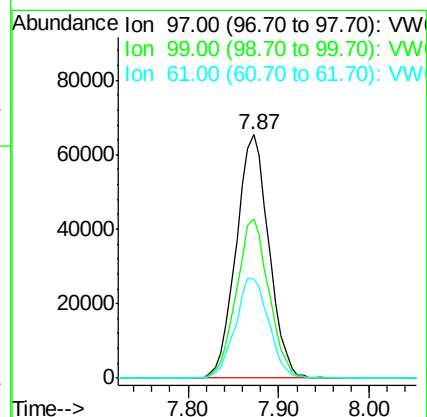
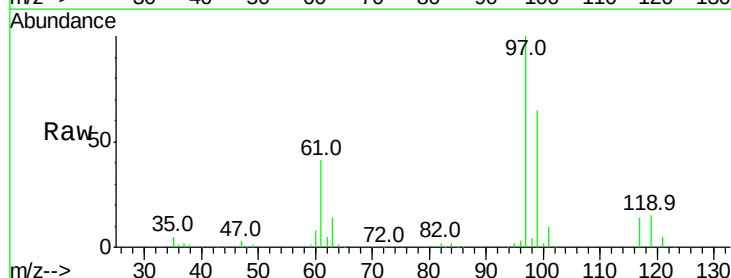
Tgt Ion: 97 Resp: 163446

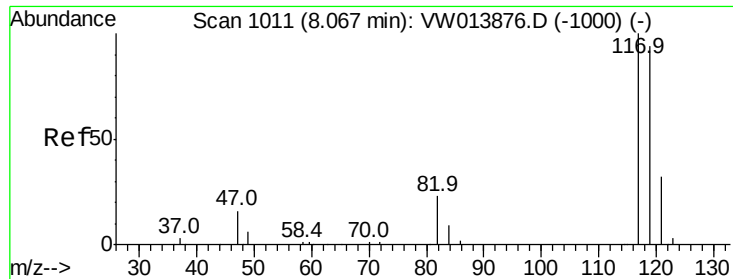
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 42.0 33.6 50.4





#32

Carbon tetrachloride

Concen: 28.219 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

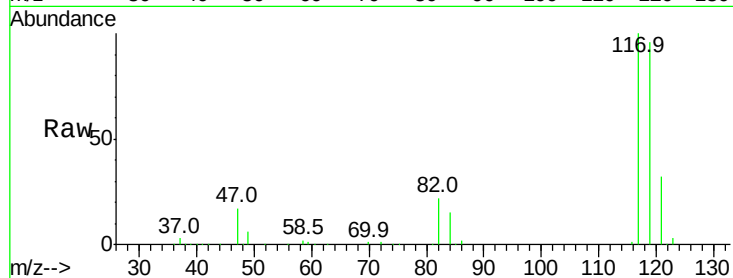
VSTD02501

Tgt Ion:117 Resp: 161625

Ion Ratio Lower Upper

117 100

119 97.4 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

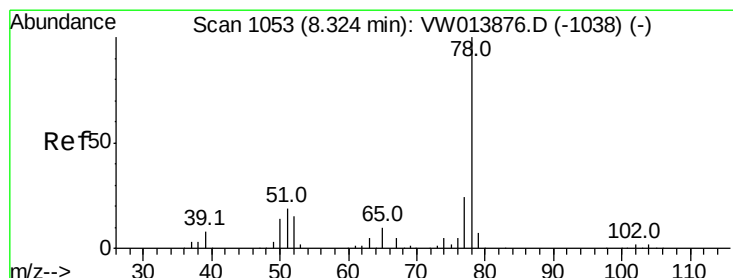
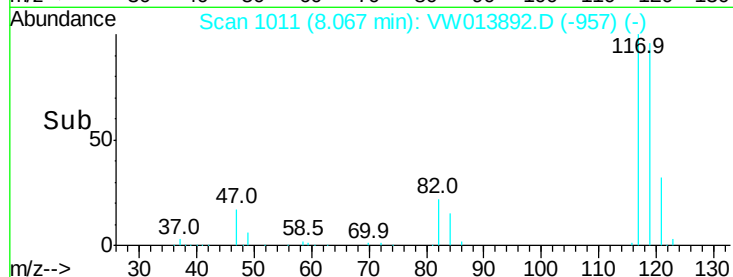
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 27.840 ug/L

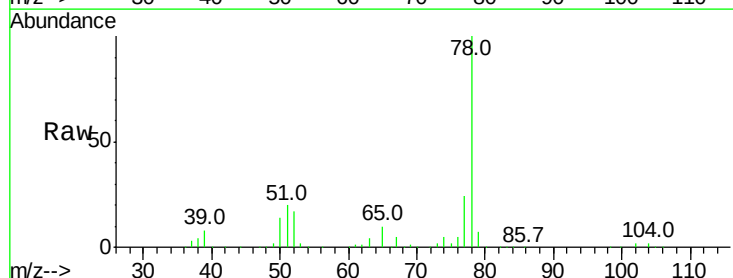
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Tgt Ion: 78 Resp: 484687



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

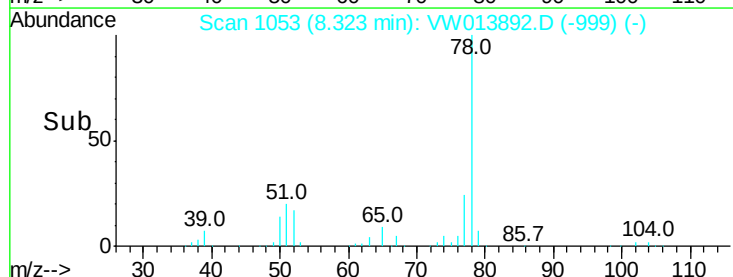
100000

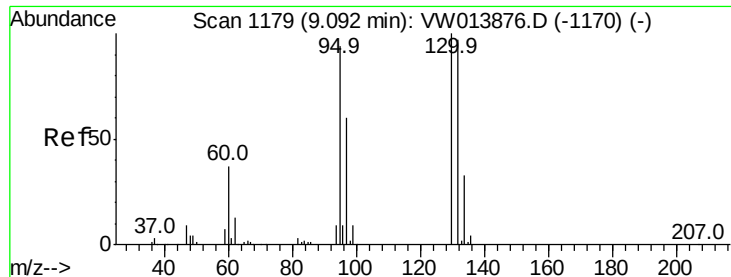
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 27.856 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

Tgt Ion: 95 Resp: 127992

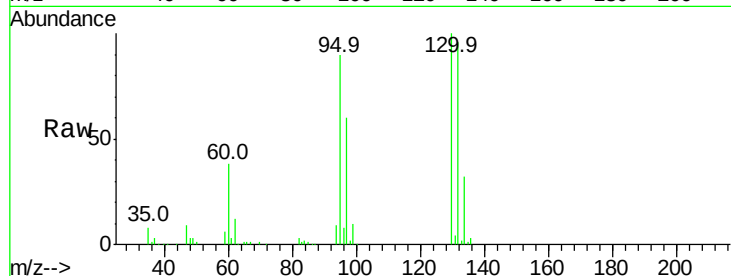
Ion Ratio Lower Upper

95 100

97 64.2 45.0 83.6

132 104.7 72.4 134.4

130 107.8 76.6 142.3

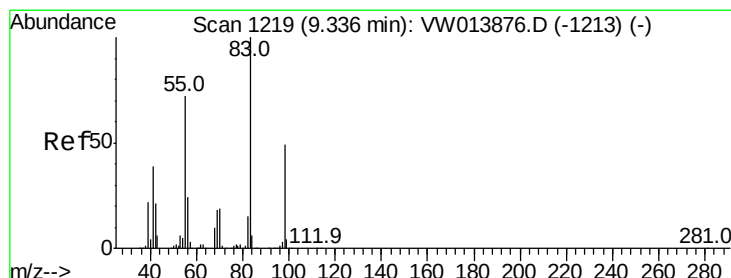
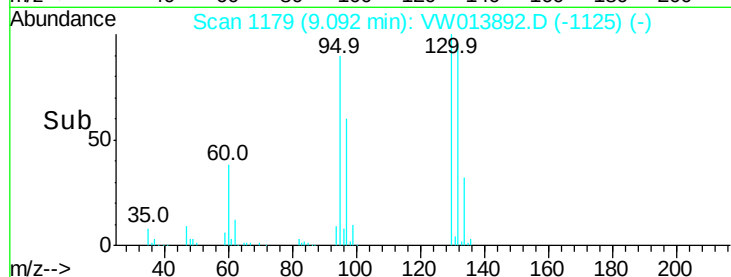
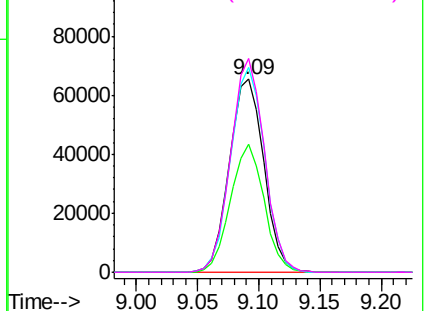


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 28.864 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

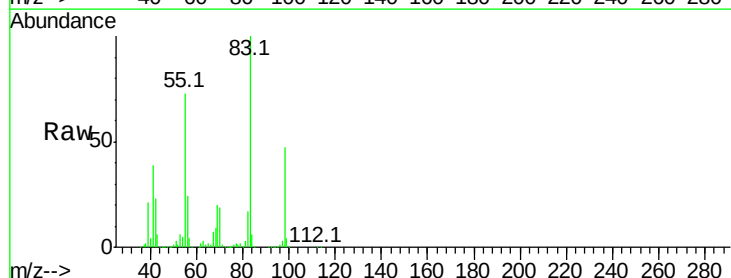
Tgt Ion: 83 Resp: 229588

Ion Ratio Lower Upper

83 100

55 75.2 60.3 90.5

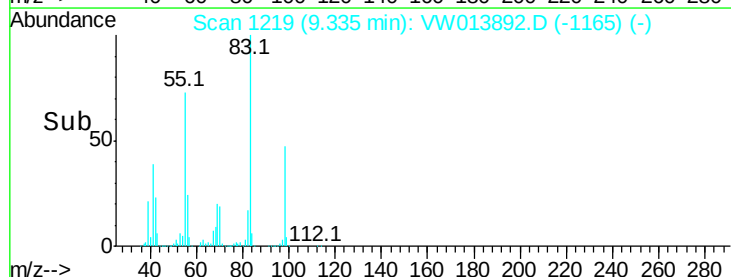
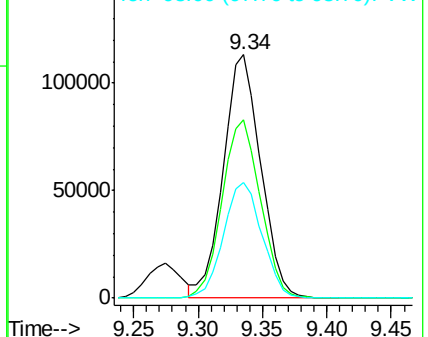
98 49.0 39.4 59.2

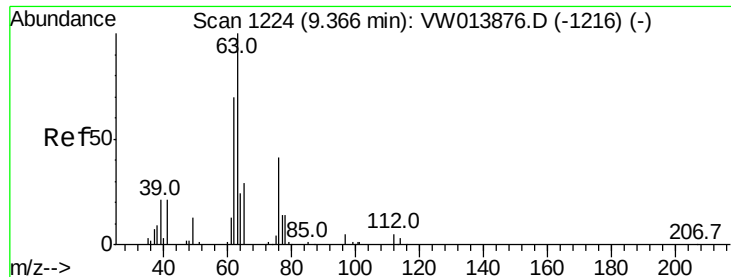


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.083 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

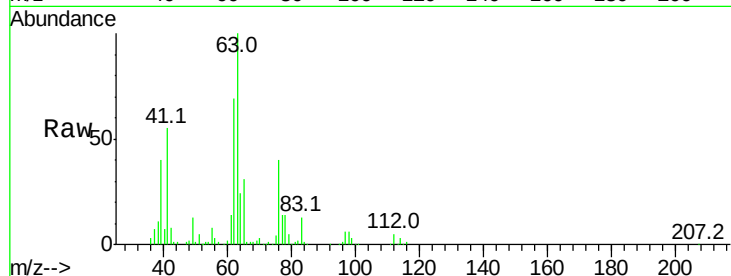
VSTD02501

Tgt Ion: 63 Resp: 116482

Ion Ratio Lower Upper

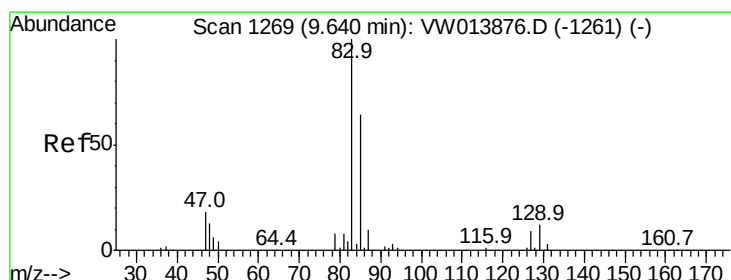
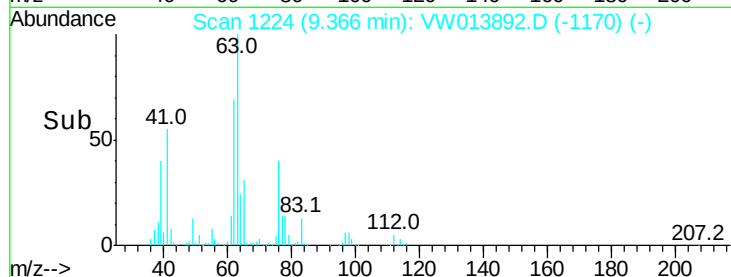
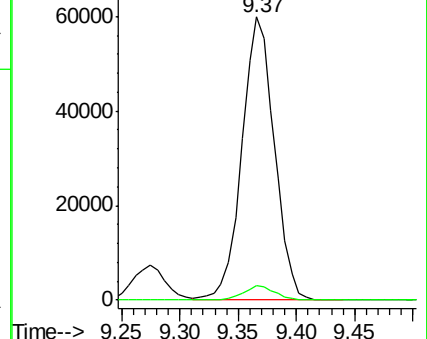
63 100

112 4.9 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.058 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

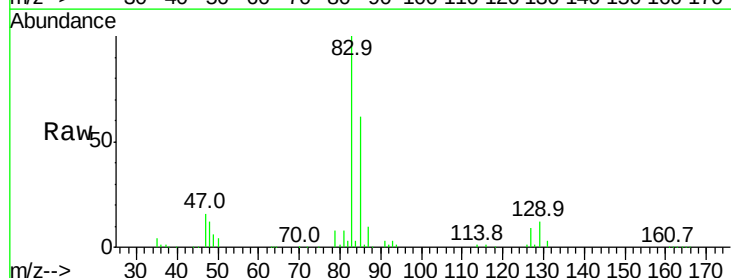
Tgt Ion: 83 Resp: 146156

Ion Ratio Lower Upper

83 100

85 62.1 43.5 80.7

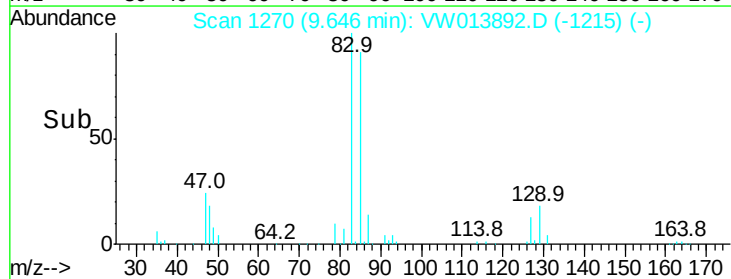
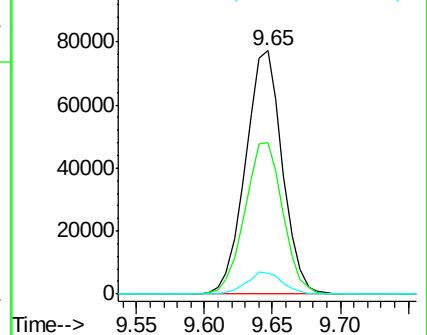
127 8.7 6.9 10.3

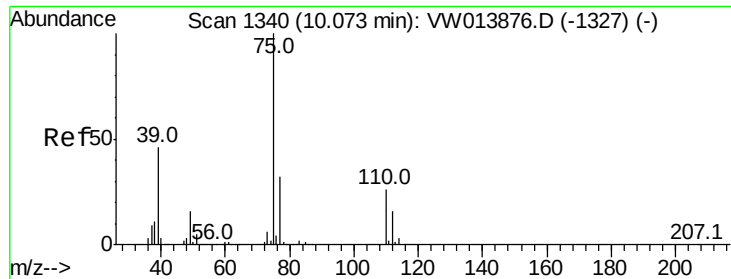


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 27.328 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

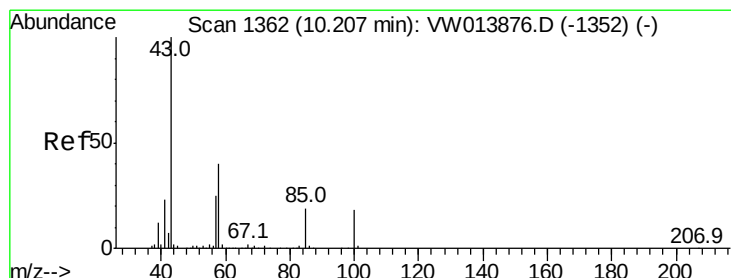
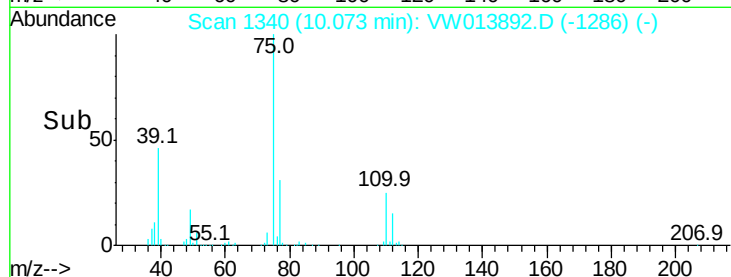
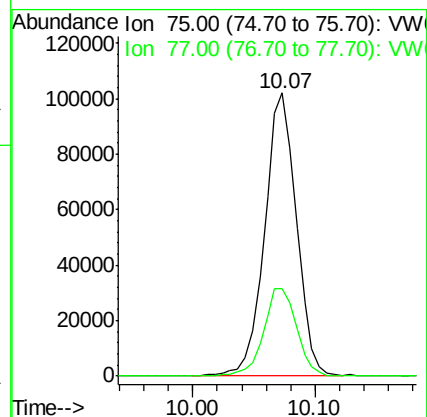
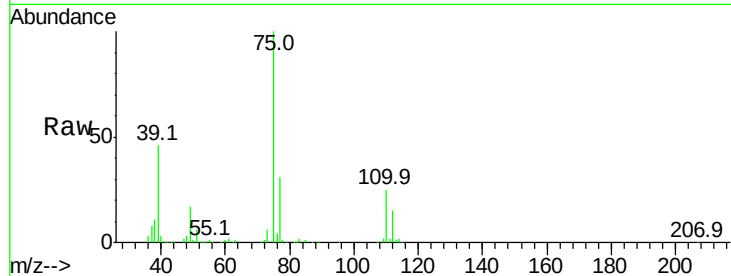
VSTD02501

Tgt Ion: 75 Resp: 184522

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 60.274 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

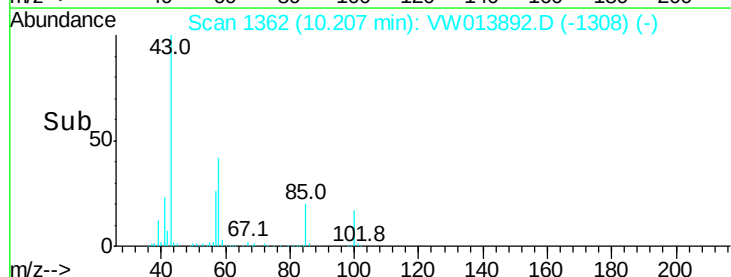
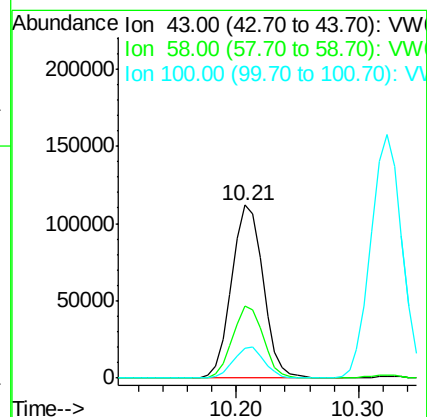
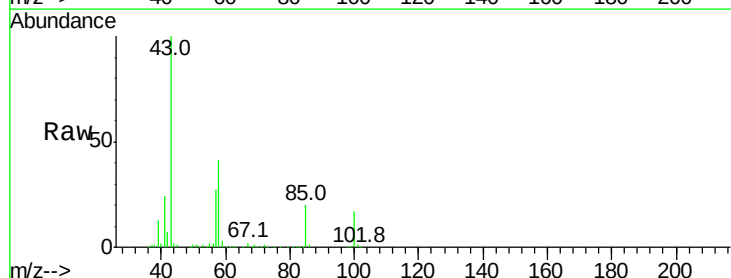
Tgt Ion: 43 Resp: 200025

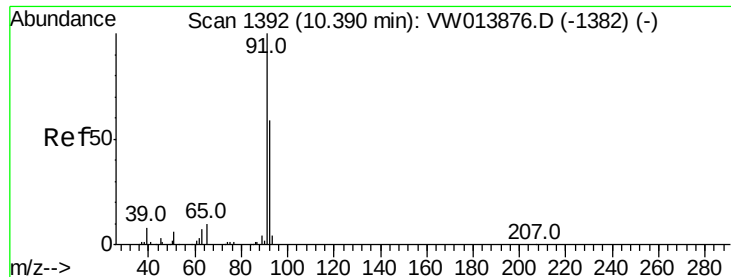
Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1

100 17.6 13.4 20.0





#44

Toluene

Concen: 28.177 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

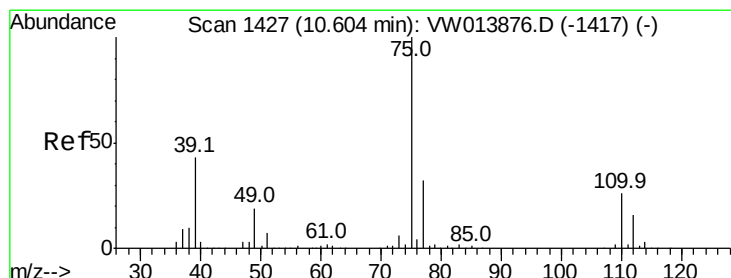
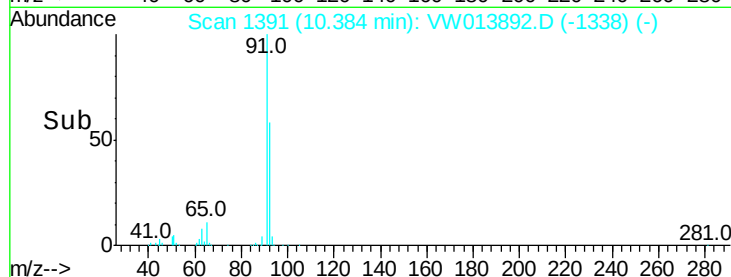
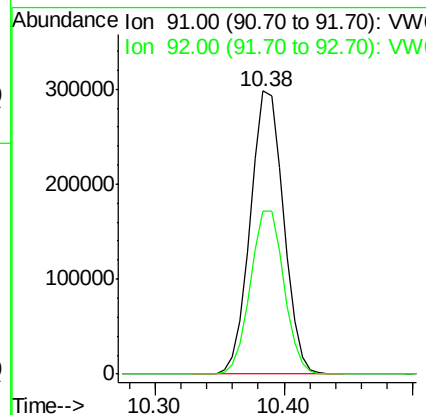
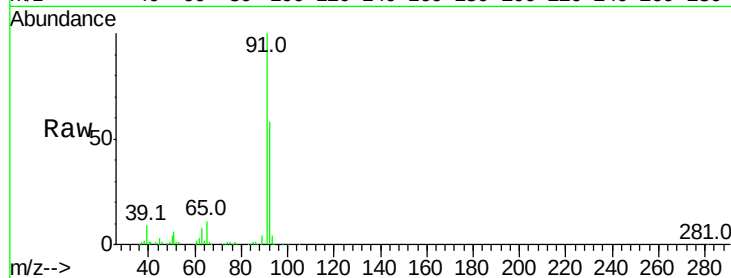
VSTD02501

Tgt Ion: 91 Resp: 529688

Ion Ratio Lower Upper

91 100

92 57.6 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 28.389 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013892.D

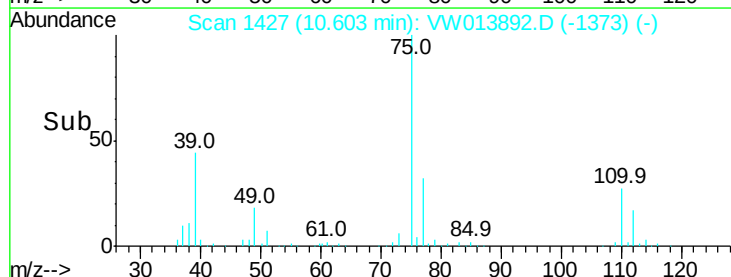
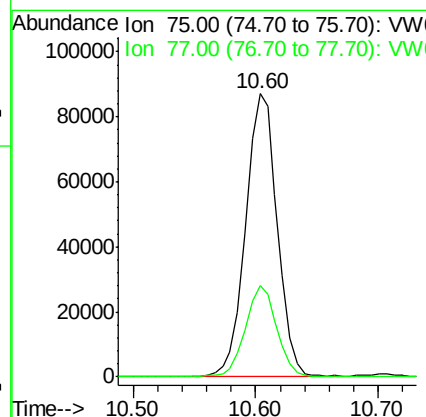
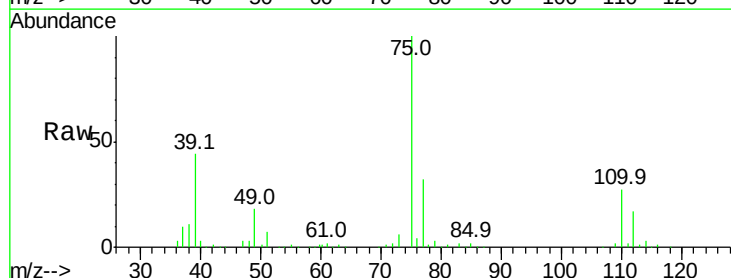
Acq: 01 Nov 2019 11:28

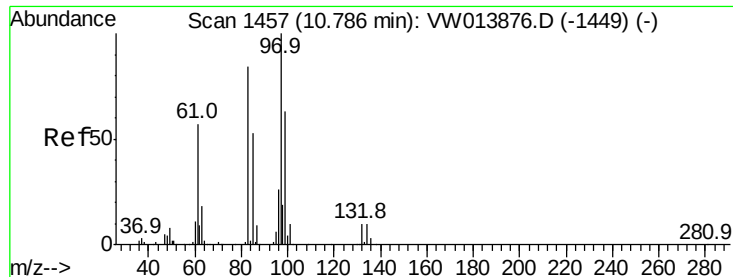
Tgt Ion: 75 Resp: 156336

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 27.140 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 97 Resp: 94115

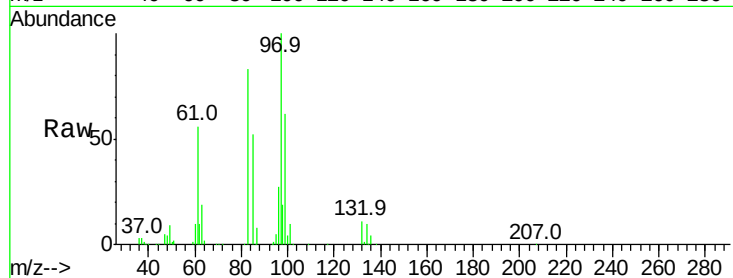
Ion Ratio Lower Upper

97 100

83 83.4 57.8 107.4

85 51.7 38.3 71.1

99 61.6 42.2 78.4



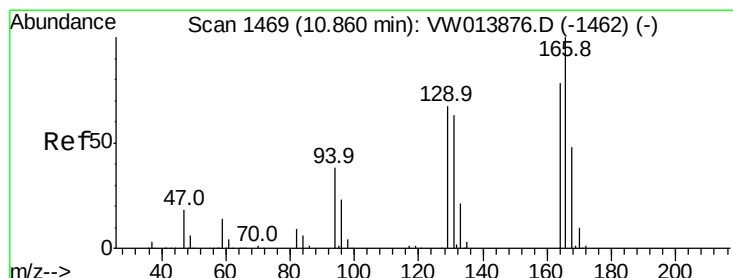
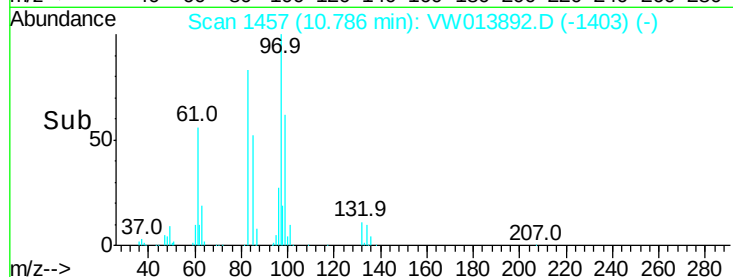
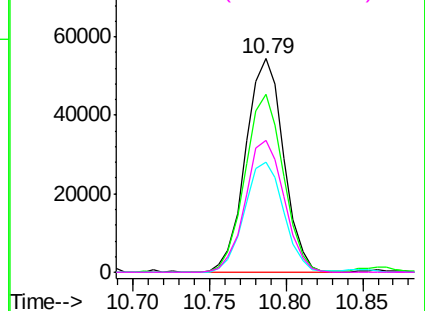
Abundance

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: 28.173 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Tgt Ion: 164 Resp: 116257

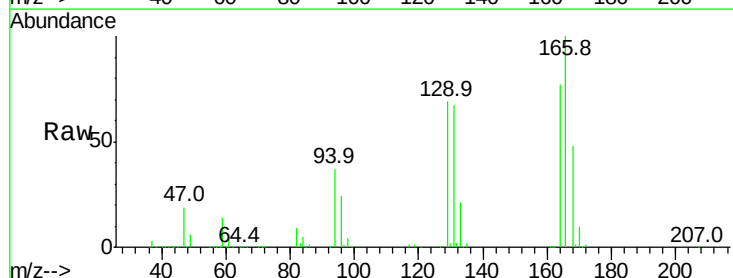
Ion Ratio Lower Upper

164 100

129 90.0 62.5 116.1

131 86.6 59.8 111.0

166 129.6 91.6 170.0



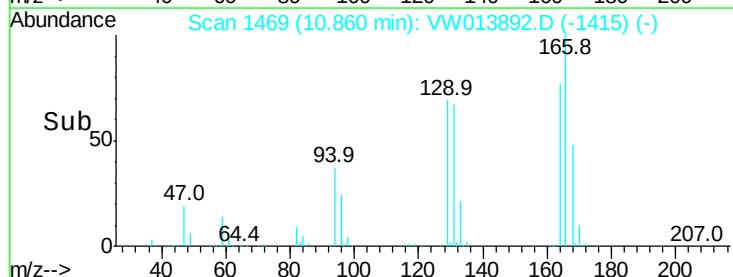
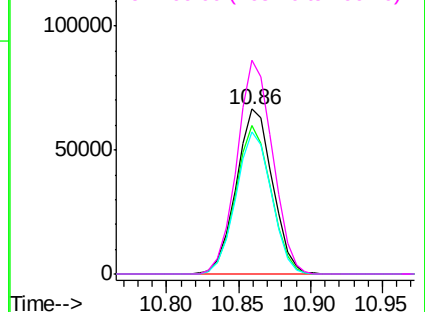
Abundance

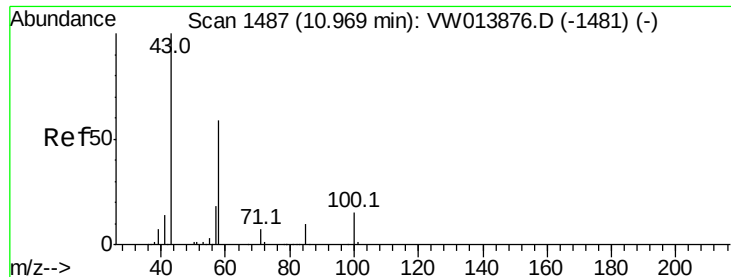
Ion 164.00 (163.70 to 164.70): V

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: 63.919 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 43 Resp: 151794

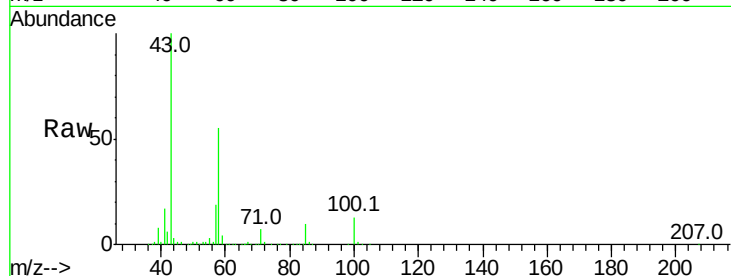
Ion Ratio Lower Upper

43 100

58 56.5 47.0 70.4

57 19.2 16.0 24.0

100 13.6 11.2 16.8

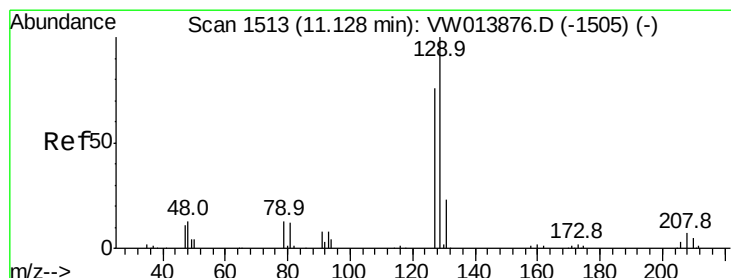
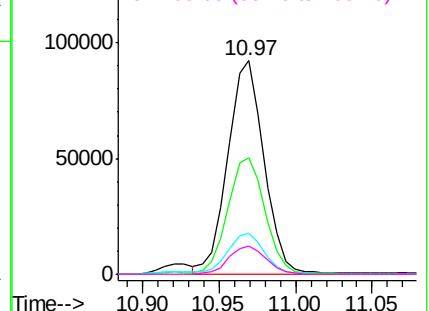
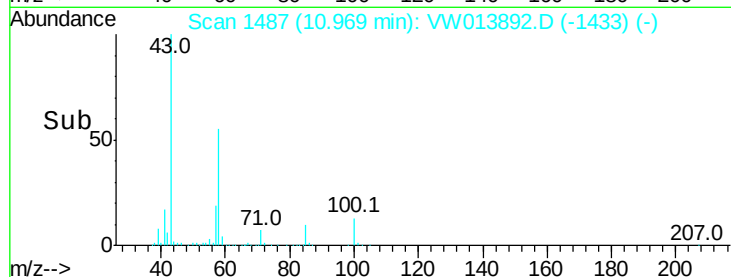


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.239 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013892.D

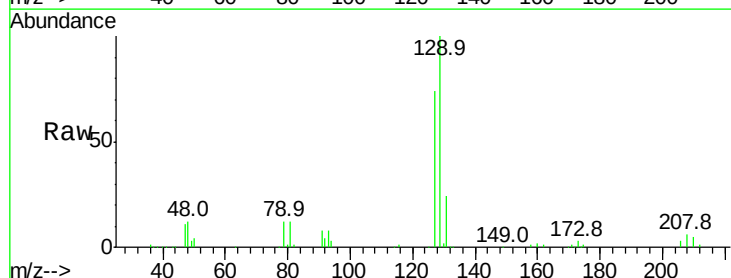
Acq: 01 Nov 2019 11:28

Tgt Ion: 129 Resp: 109812

Ion Ratio Lower Upper

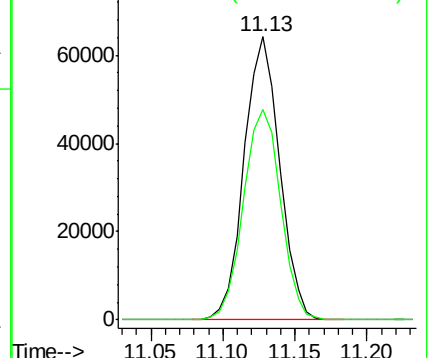
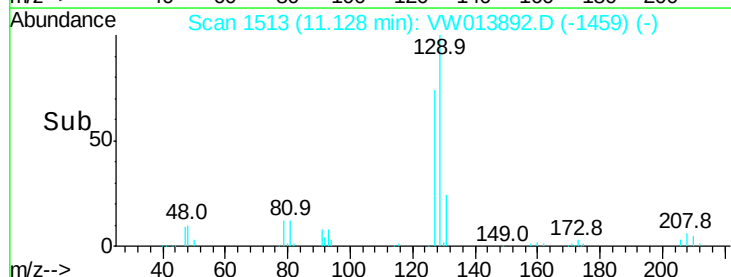
129 100

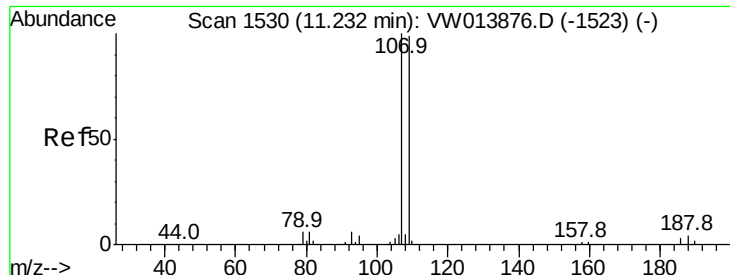
127 74.4 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

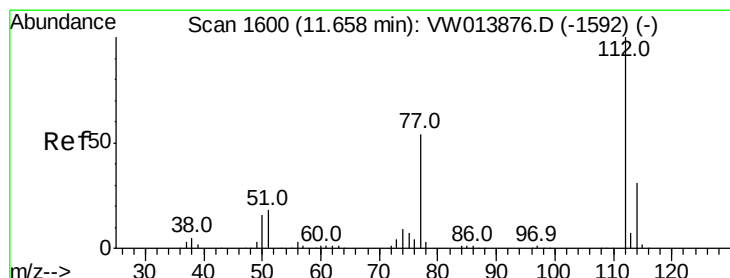
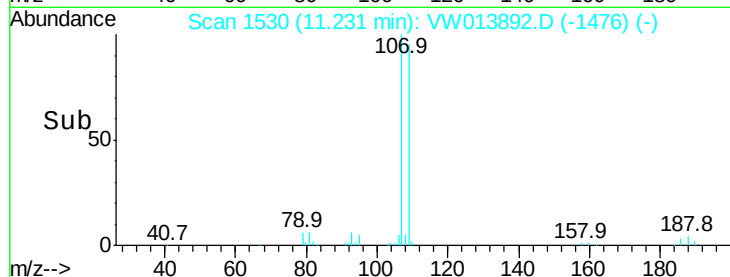
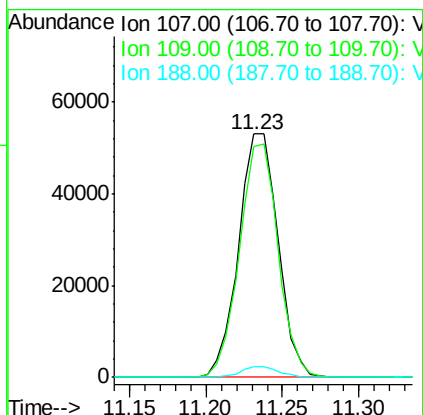
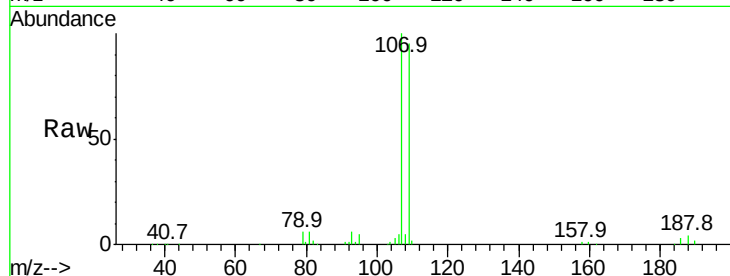




#51
1,2-Dibromoethane
Concen: 28.105 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

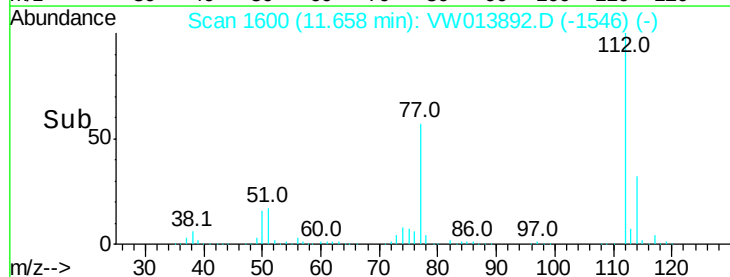
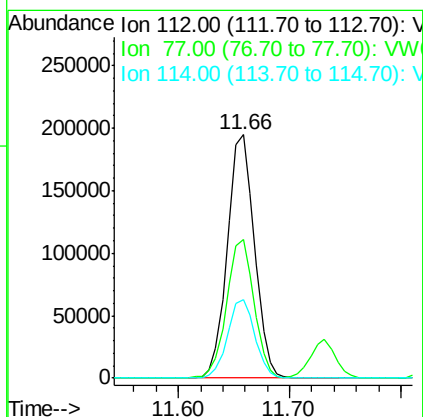
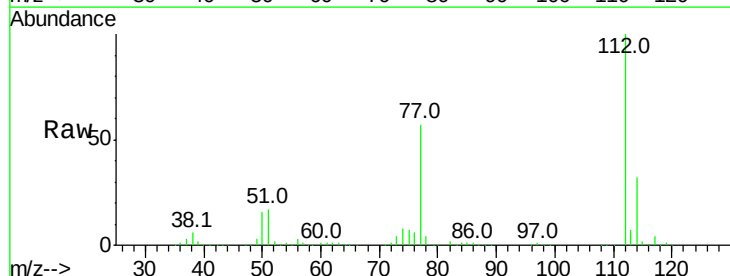
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

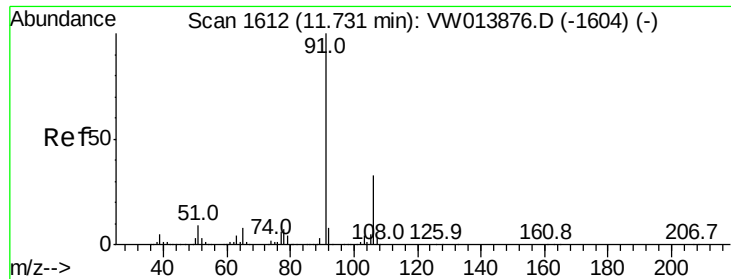
Tgt Ion:107 Resp: 95390
Ion Ratio Lower Upper
107 100
109 94.7 67.3 124.9
188 4.4 3.5 5.3



#52
Chlorobenzene
Concen: 26.937 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion:112 Resp: 328383
Ion Ratio Lower Upper
112 100
77 56.7 44.7 67.1
114 32.3 23.1 42.9

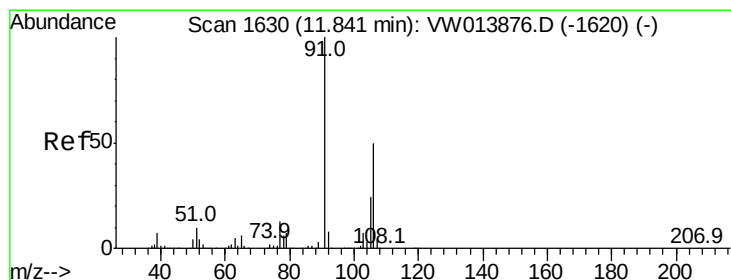
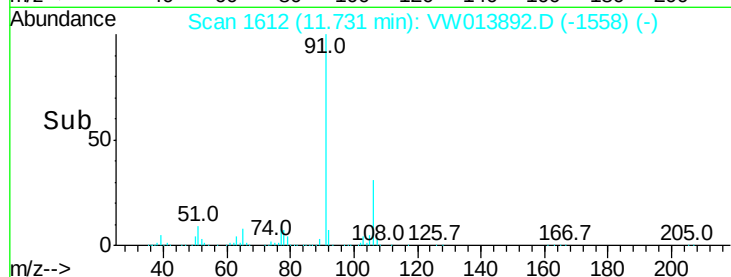
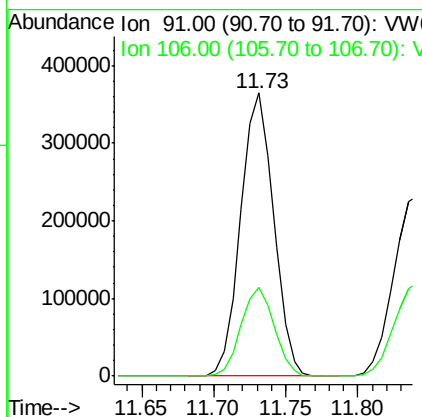
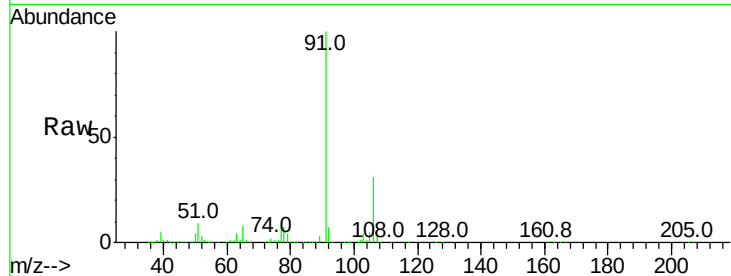




#53
Ethylbenzene
Concen: 28.004 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

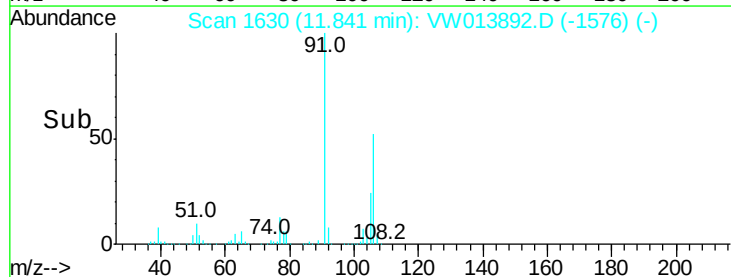
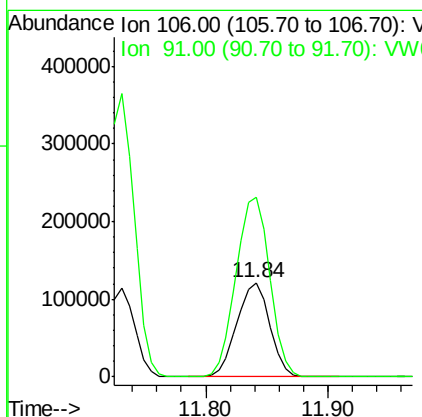
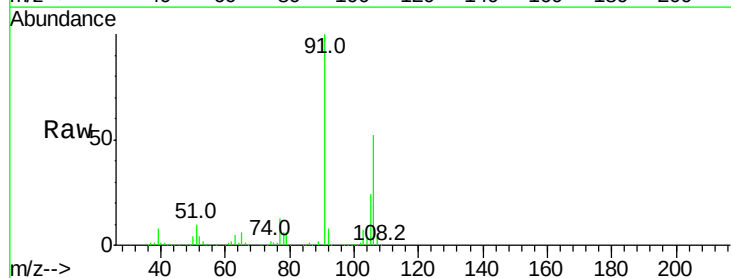
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

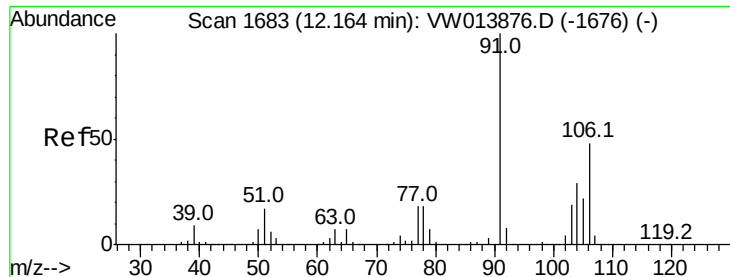
Tgt Ion: 91 Resp: 581108
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.4



#54
m,p-Xylene
Concen: 27.738 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion: 106 Resp: 225185
Ion Ratio Lower Upper
106 100
91 191.0 136.6 253.8

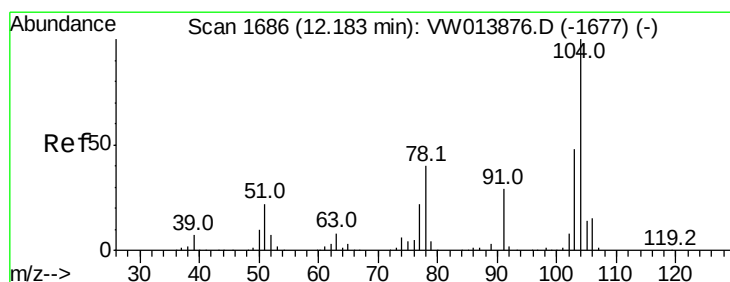
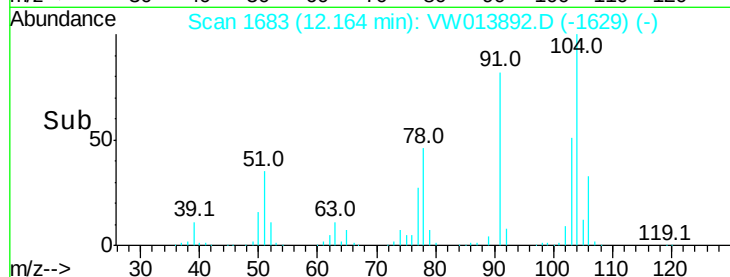
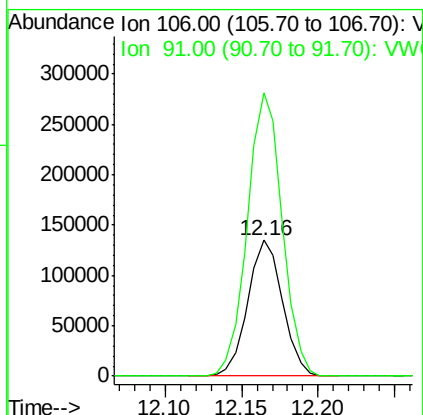
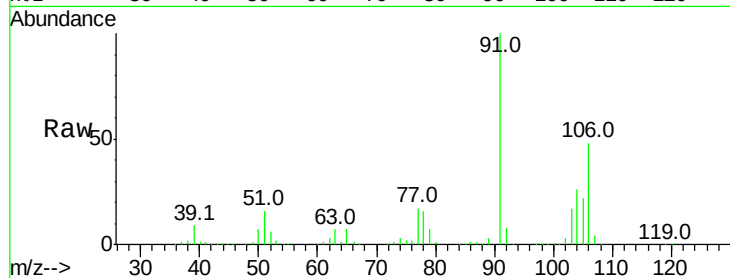




#55
o-xylene
Concen: 27.958 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

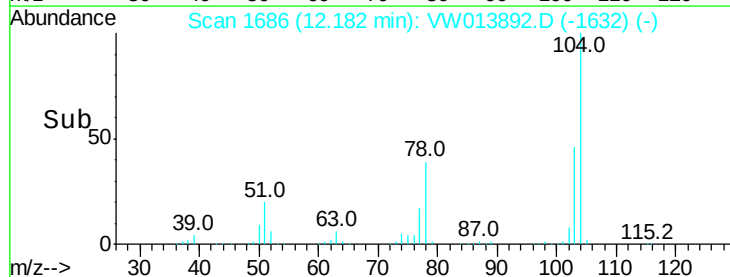
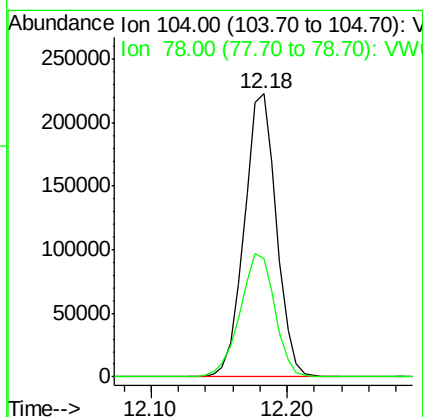
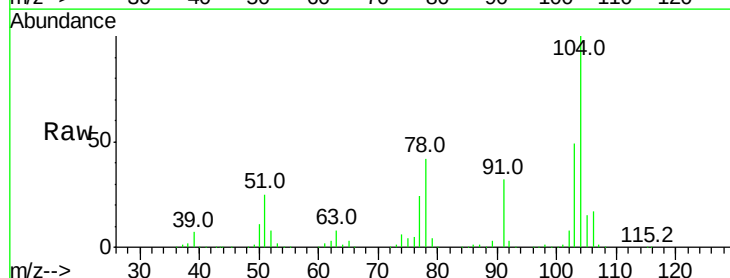
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

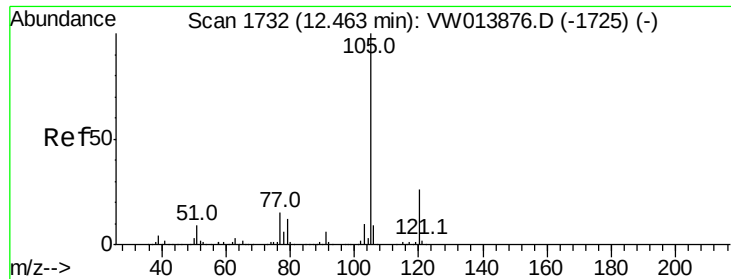
Tgt Ion:106 Resp: 213624
Ion Ratio Lower Upper
106 100
91 208.0 148.0 274.8



#56
Styrene
Concen: 28.068 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013892.D
Acq: 01 Nov 2019 11:28

Tgt Ion:104 Resp: 367987
Ion Ratio Lower Upper
104 100
78 41.7 28.9 53.7





#57

Isopropylbenzene

Concen: 28.335 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

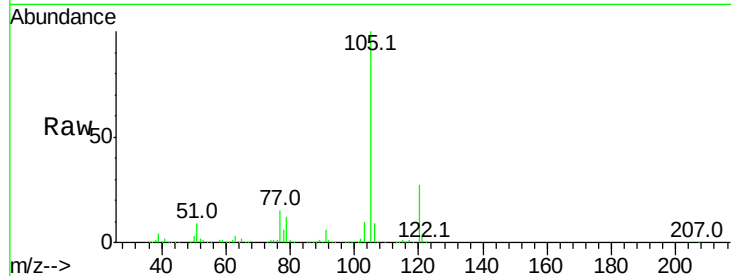
Tgt Ion:105 Resp: 579448

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

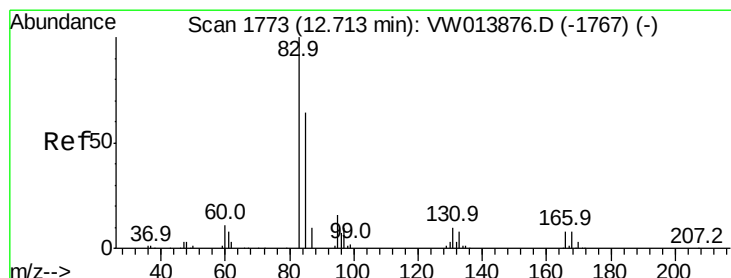
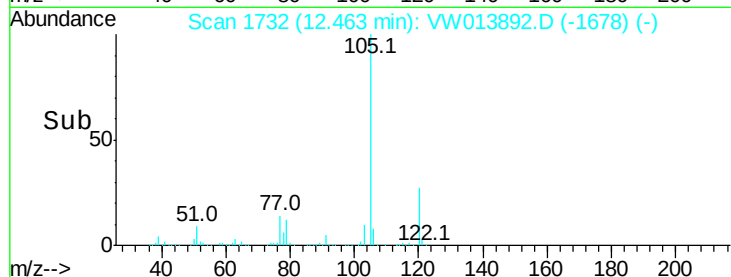
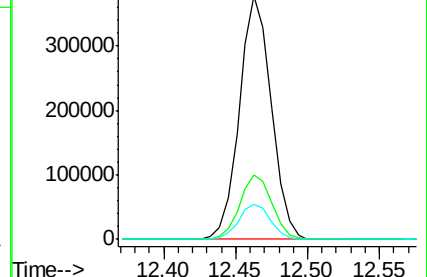
77 14.6 11.7 17.5



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: 28.400 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

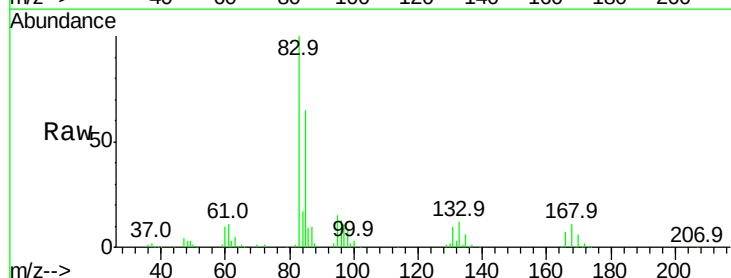
Tgt Ion: 83 Resp: 123637

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7

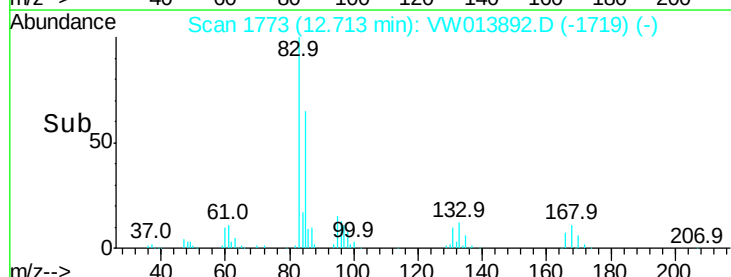
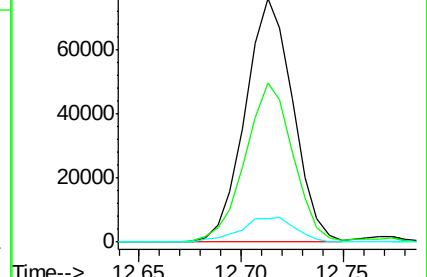
131 9.8 9.0 13.6

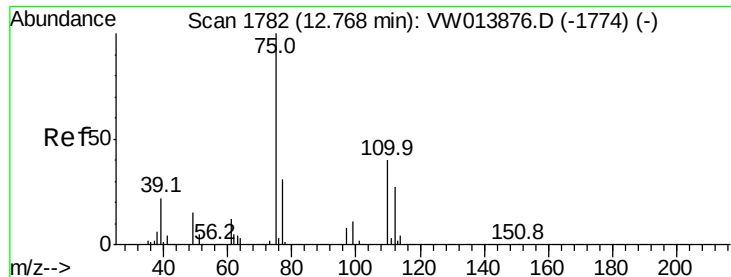


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.099 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

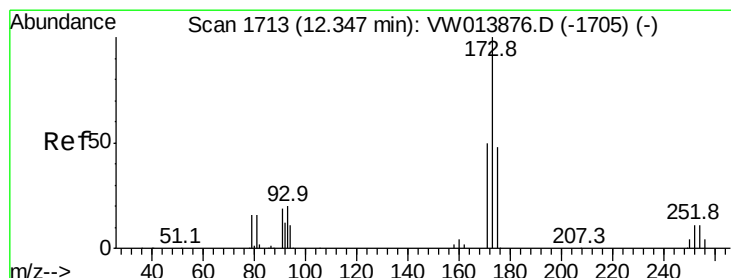
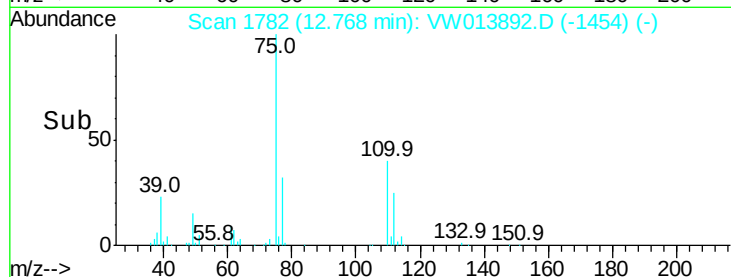
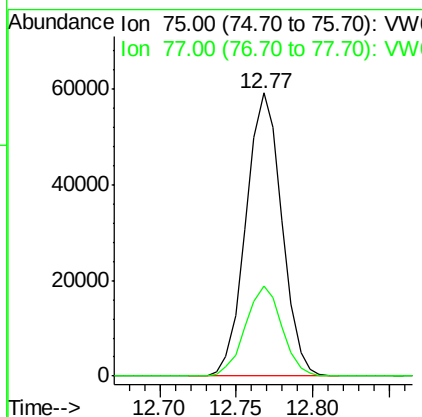
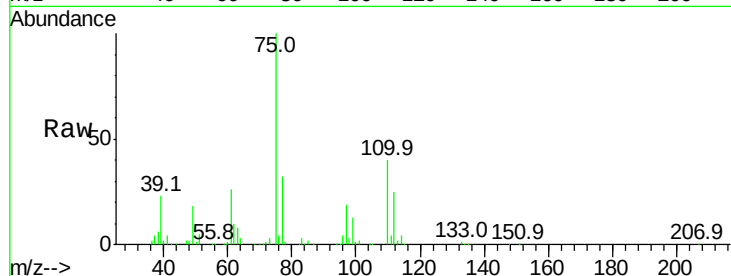
VSTD02501

Tgt Ion: 75 Resp: 96522

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



#62

Bromoform

Concen: 27.945 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

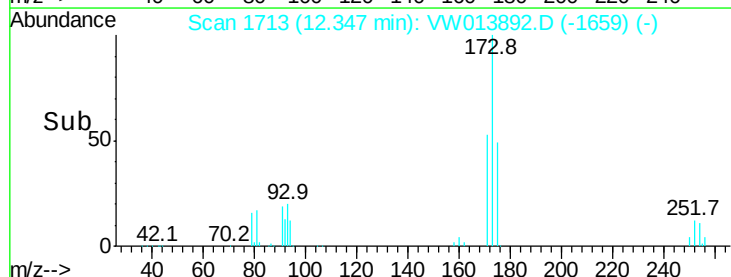
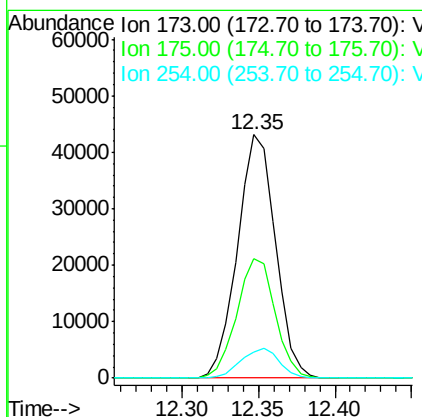
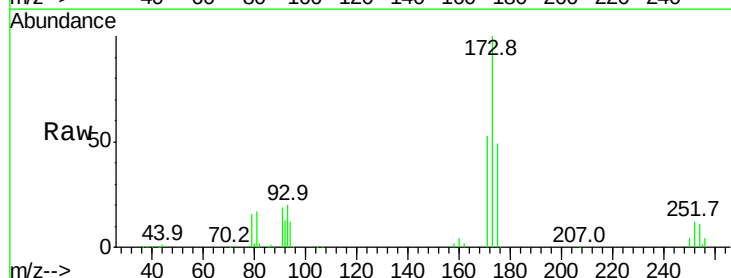
Tgt Ion: 173 Resp: 74473

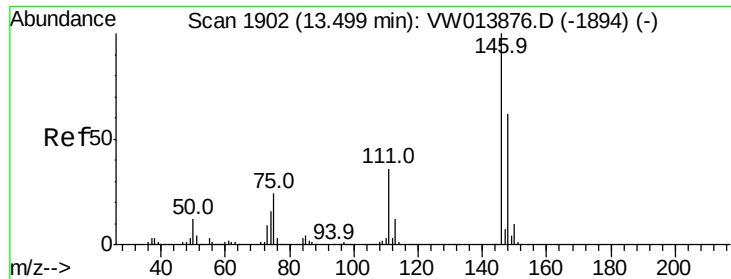
Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

254 12.5 9.4 14.2

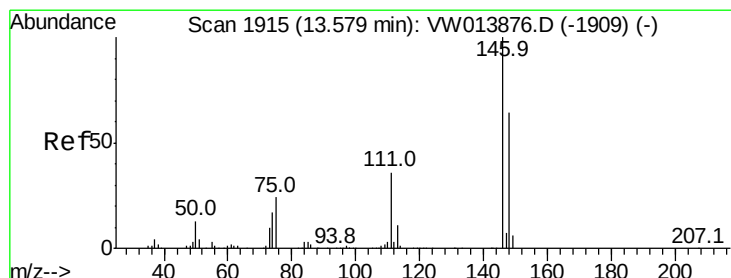
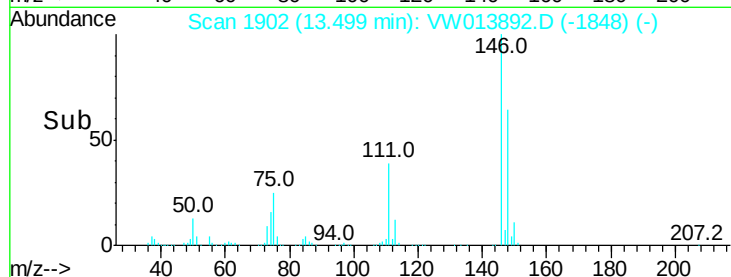
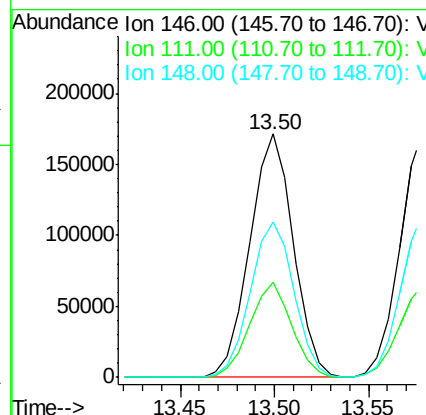
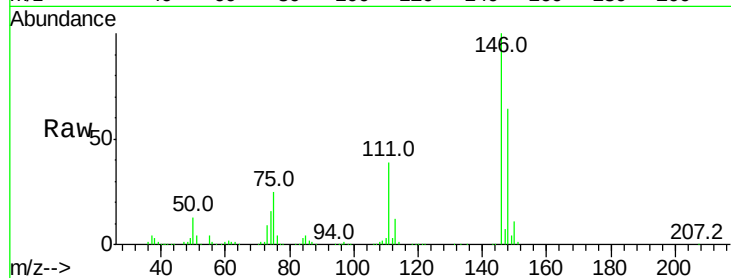




#63
 1,3-Dichlorobenzene
 Concen: 27.463 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

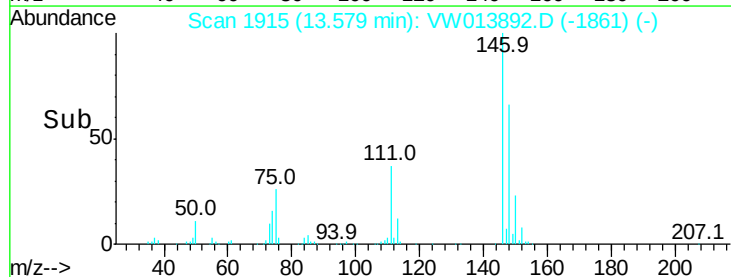
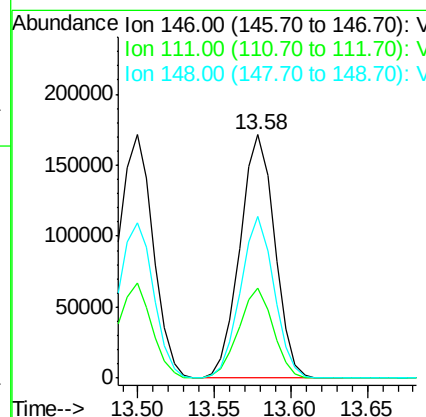
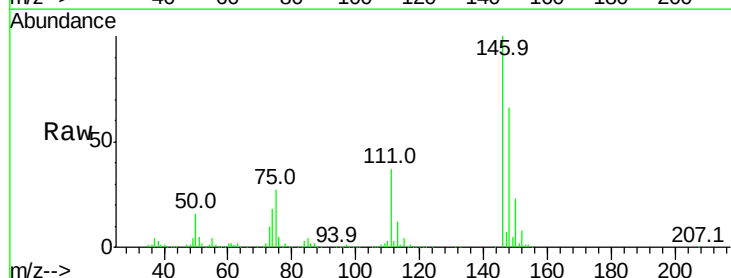
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

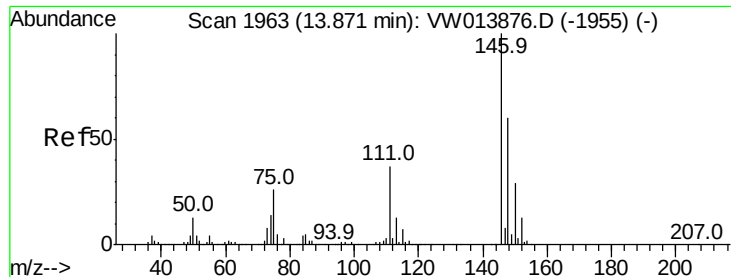
Tgt Ion:146 Resp: 274542
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.5 49.1
 148 63.7 43.7 81.1



#64
 1,4-Dichlorobenzene
 Concen: 26.733 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

Tgt Ion:146 Resp: 271088
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.0 46.4
 148 66.2 44.4 82.5

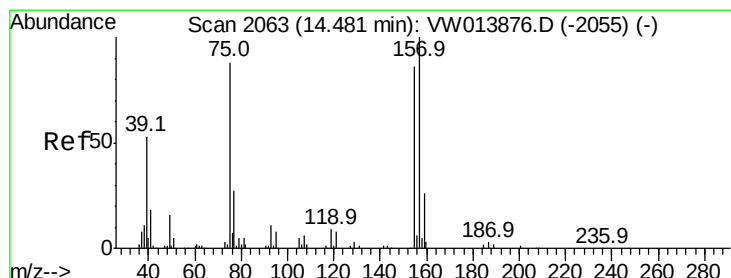
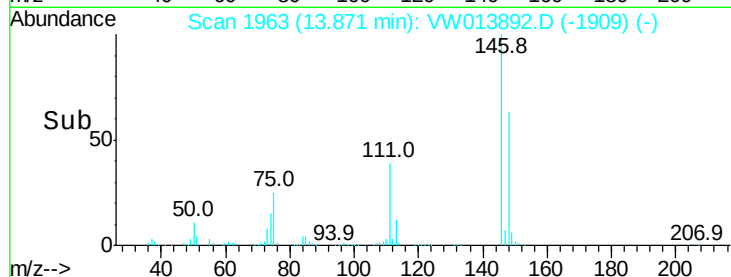
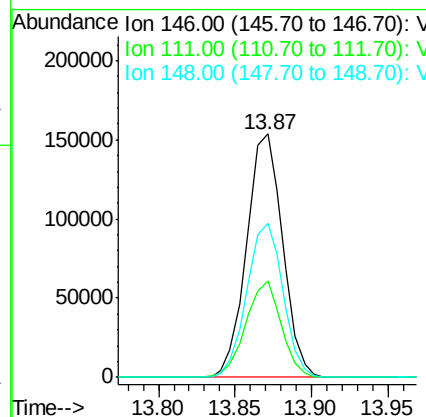
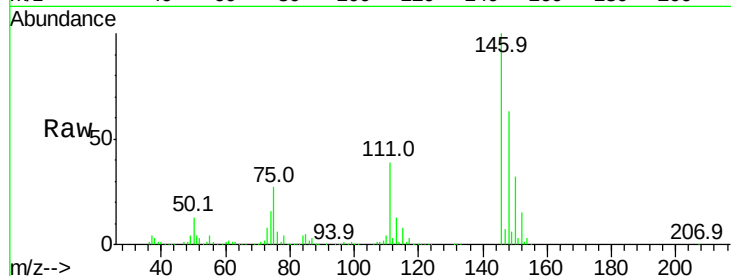




#65
 1,2-Dichlorobenzene
 Concen: 27.242 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

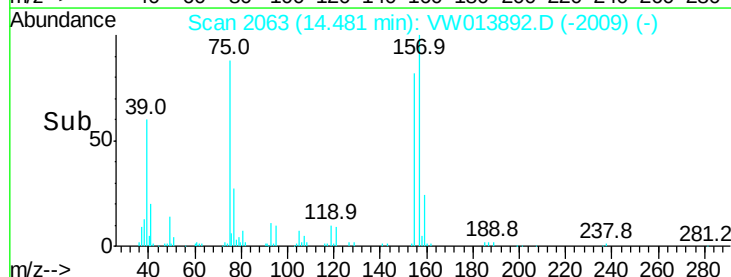
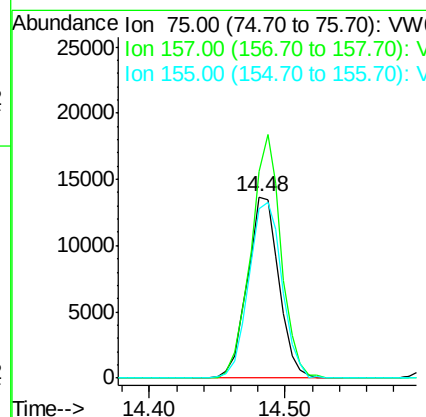
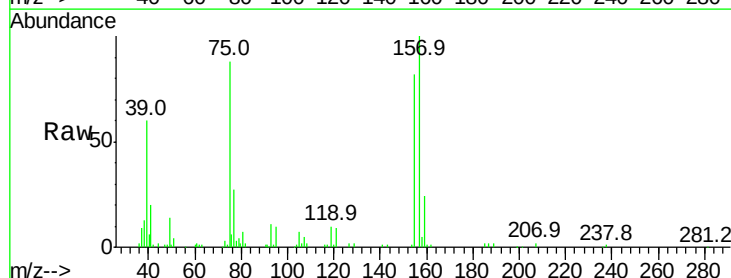
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

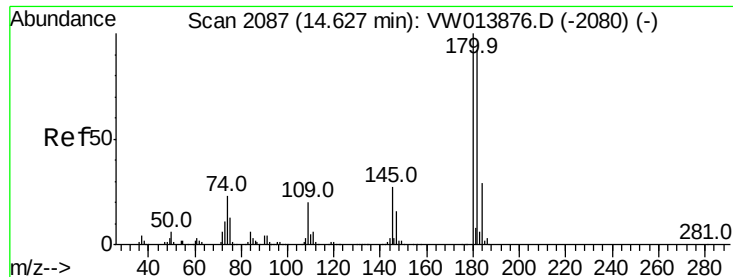
Tgt Ion: 146 Resp: 251723
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.0 46.4
 148 63.4 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.240 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

Tgt Ion: 75 Resp: 22085
 Ion Ratio Lower Upper
 75 100
 157 113.8 106.2 159.2
 155 93.4 78.8 118.2

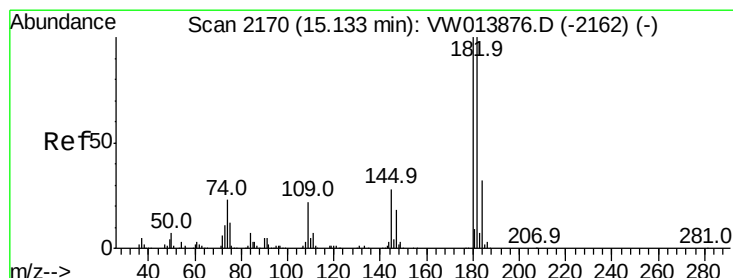
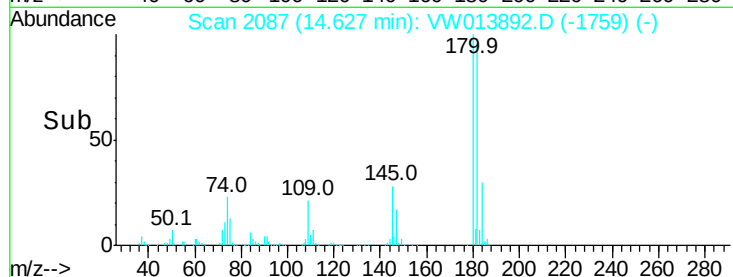
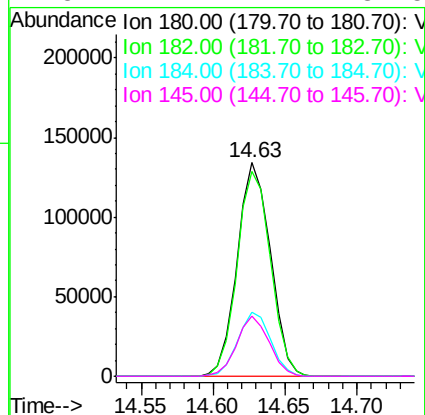
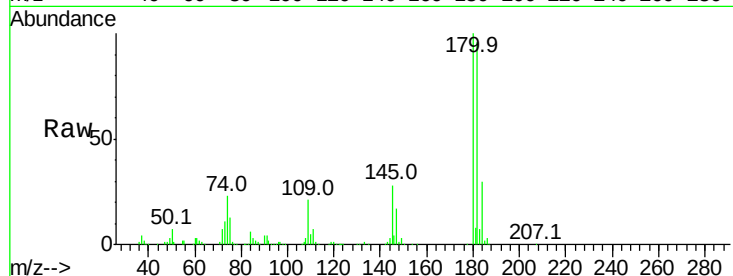




#67
 1,3,5-Trichlorobenzene
 Concen: 28.071 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

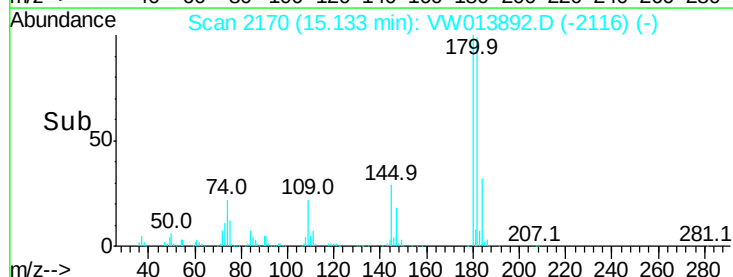
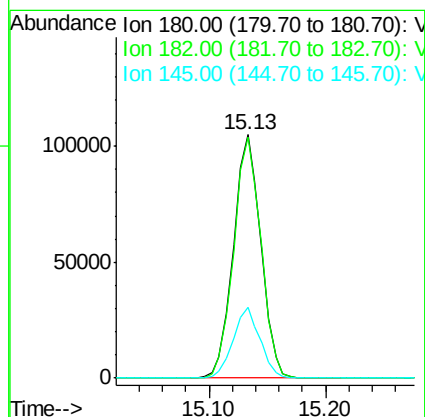
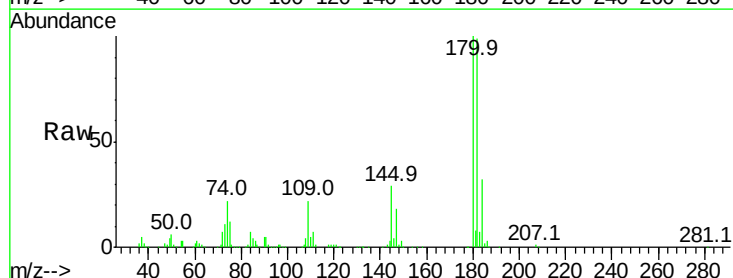
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

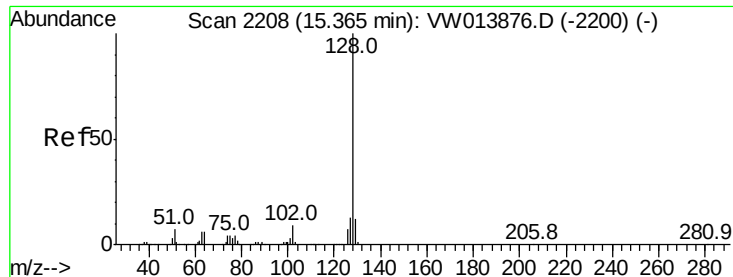
Tgt Ion:	180	Resp:	215889
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.2	114.4
184	29.8	24.1	36.1
145	27.4	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 27.881 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013892.D
 Acq: 01 Nov 2019 11:28

Tgt Ion:	180	Resp:	171984
Ion Ratio	Lower	Upper	
180	100		
182	98.6	74.8	112.2
145	28.4	22.4	33.6





#69

Naphthalene

Concen: 31.022 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

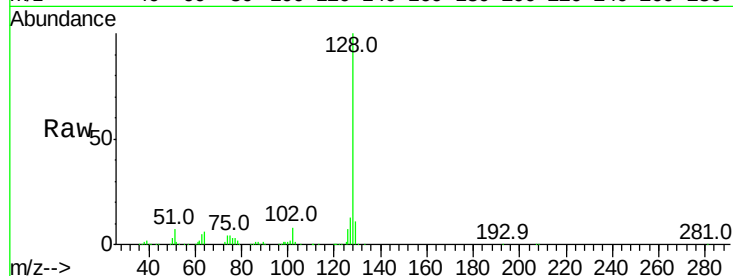
Tgt Ion:128 Resp: 368143

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

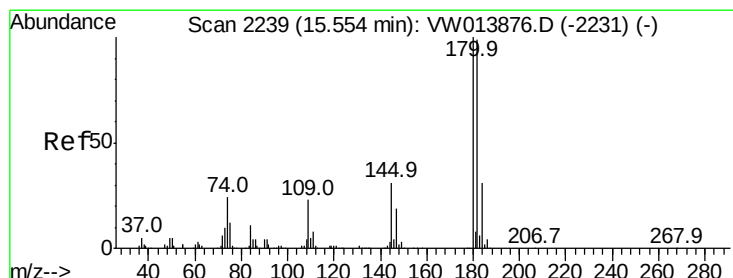
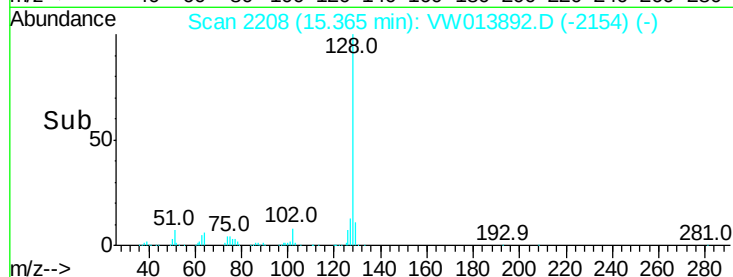
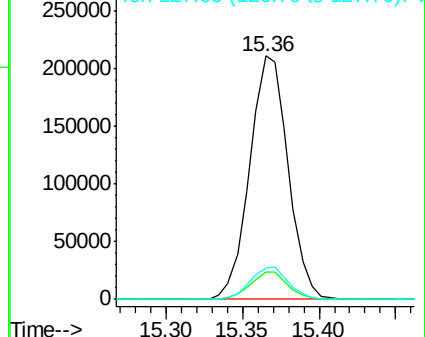
127 13.3 10.5 15.7



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: 28.125 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013892.D

Acq: 01 Nov 2019 11:28

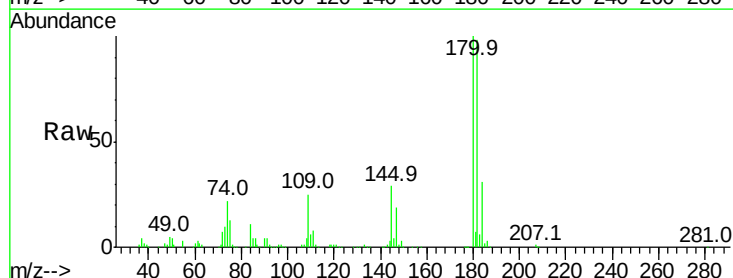
Tgt Ion:180 Resp: 160405

Ion Ratio Lower Upper

180 100

182 96.3 78.0 117.0

145 30.0 23.9 35.9



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

