

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
 Data File : VW016578.D
 Acq On : 18 Sep 2020 10:58
 Operator : SY/VA
 Sample : VSTD02501
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

Quant Time: Sep 18 12:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 18 12:48:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	592378	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512830	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	248026	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	169883	25.67	ug/L	0.00
7) Chloroethane-d5	2.90	69	133221	24.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.03	63	343915	24.63	ug/L	0.00
21) 2-Butanone-d5	7.09	46	60282	40.29	ug/L	0.00
24) Chloroform-d	7.66	84	340721	24.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	167056	23.44	ug/L	0.00
32) Benzene-d6	8.28	84	649182	24.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.28	67	175505	24.36	ug/L	0.00
41) Toluene-d8	10.33	98	631403	24.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.58	79	83481	23.89	ug/L	0.00
47) 2-Hexanone-d5	10.93	63	49372	43.55	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.69	84	126788	22.61	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.85	152	219380	24.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	173268	24.258 ug/L	100
3) Chloromethane	2.23	50	132168	23.349 ug/L	100
5) Vinyl chloride	2.37	62	192923	23.776 ug/L	100
6) Bromomethane	2.79	94	145423	23.329 ug/L	100
8) Chloroethane	2.94	64	116512	24.155 ug/L	100
9) Trichlorofluoromethane	3.28	101	186890	24.284 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	188340	24.653 ug/L	100
12) 1,1-Dichloroethene	4.06	96	182955	23.939 ug/L	100
13) Acetone	4.15	43	41171	39.834 ug/L	100
14) Carbon disulfide	4.40	76	549926	24.236 ug/L	100
15) Methyl Acetate	4.69	43	50319	20.307 ug/L	100
16) Methylene chloride	4.93	84	179718	20.701 ug/L	100
17) trans-1,2-Dichloroethene	5.44	96	187661	23.673 ug/L	100
18) Methyl tert-butyl Ether	5.43	73	219657	22.558 ug/L	100
19) 1,1-Dichloroethane	6.23	63	300077	23.897 ug/L	100
20) cis-1,2-Dichloroethene	7.18	96	194456	23.599 ug/L	100
22) 2-Butanone	7.18	43	64855	37.786 ug/L	100
23) Bromochloromethane	7.52	128	87826	22.670 ug/L	100
25) Chloroform	7.68	83	326027	23.732 ug/L	100
27) 1,2-Dichloroethane	8.40	62	193362	22.669 ug/L	100
29) Cyclohexane	7.96	56	275821	24.091 ug/L	100
30) 1,1,1-Trichloroethane	7.88	97	301388	24.665 ug/L	100
31) Carbon tetrachloride	8.08	117	294134	24.718 ug/L	100
33) Benzene	8.33	78	689470	24.269 ug/L	100
34) Trichloroethene	9.10	95	199735	24.510 ug/L	100
35) Methylcyclohexane	9.34	83	333895	24.529 ug/L	100
37) 1,2-Dichloropropane	9.37	63	155229	23.963 ug/L	100
38) Bromodichloromethane	9.65	83	229973	23.940 ug/L	100
39) cis-1,3-Dichloropropene	10.08	75	262288	23.720 ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	151011	41.606 ug/L	100

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 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

Quant Time: Sep 18 12:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
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 Response via : Initial Calibration

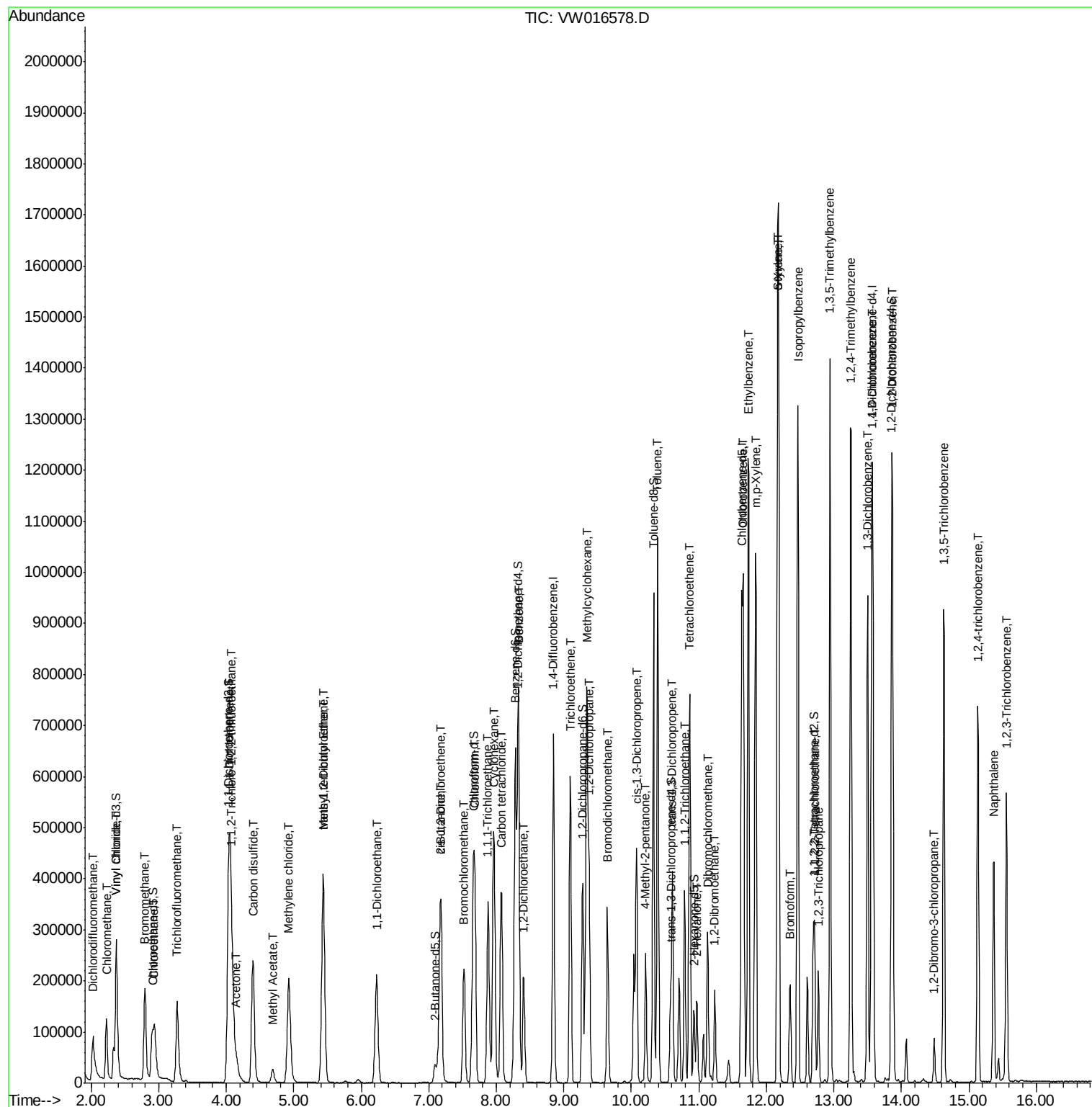
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.39	91	782521	24.449	ug/L	100
44) trans-1,3-Dichloropropene	10.61	75	222923	23.506	ug/L	100
45) 1,1,2-Trichloroethane	10.79	97	119686	22.748	ug/L	100
46) Tetrachloroethene	10.87	164	176693	24.037	ug/L	100
48) 2-Hexanone	10.97	43	96161	41.979	ug/L	100
49) Dibromochloromethane	11.13	129	161422	23.374	ug/L	100
50) 1,2-Dibromoethane	11.24	107	119677	22.967	ug/L	100
51) Chlorobenzene	11.66	112	507936	23.932	ug/L	100
52) Ethylbenzene	11.73	91	885288	24.567	ug/L	100
53) m,p-Xylene	11.84	106	340443	24.251	ug/L	100
54) o-Xylene	12.17	106	328451	24.719	ug/L	100
55) Styrene	12.18	104	536399	24.245	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.72	83	124181	21.922	ug/L	100
59) Bromoform	12.35	173	89117	22.258	ug/L	100
60) Isopropylbenzene	12.47	105	893190	24.666	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	89038	21.784	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	745274	25.009	ug/L	100
63) 1,2,4-Trimethylbenzene	13.26	105	735889	24.846	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	404656	24.350	ug/L	100
65) 1,4-Dichlorobenzene	13.58	146	387570	23.778	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	352283	23.960	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.49	75	20383	21.216	ug/L	100
69) 1,3,5-Trichlorobenzene	14.63	180	298419	24.328	ug/L	100
70) 1,2,4-trichlorobenzene	15.14	180	241191	24.347	ug/L	100
71) Naphthalene	15.37	128	386400	23.242	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	208822	25.105	ug/L	100

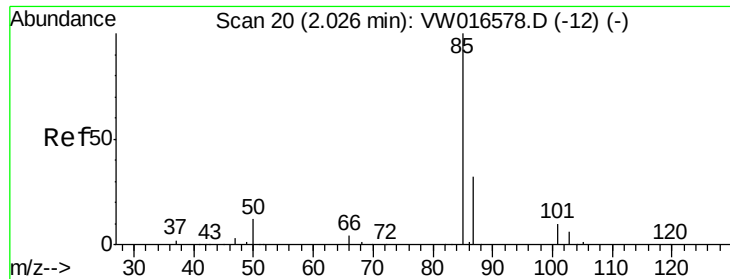
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091820\
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#2

Dichlorodifluoromethane

Concen: 24.258 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

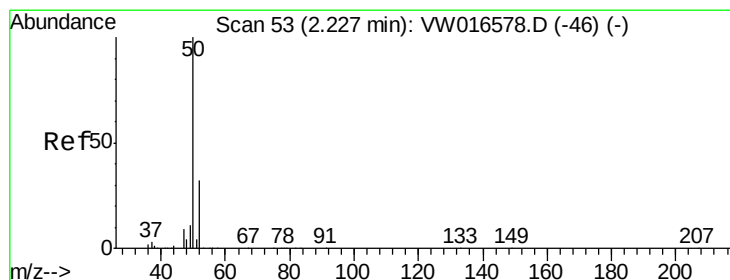
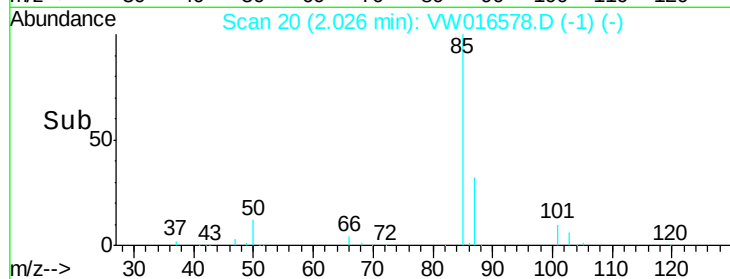
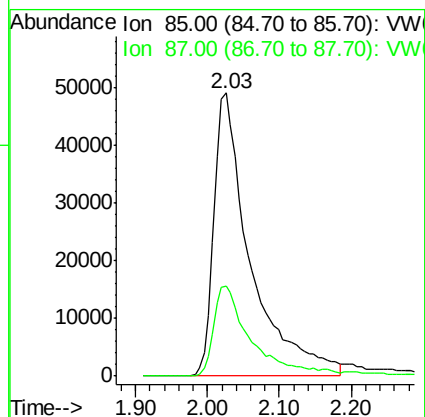
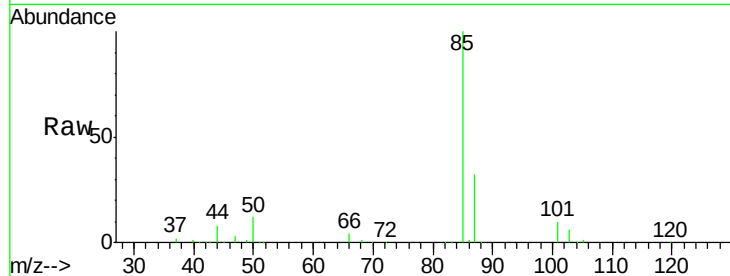
VSTD025101

Tgt Ion: 85 Resp: 173268

Ion Ratio Lower Upper

85 100

87 26.7 21.4 32.0



#3

Chloromethane

Concen: 23.349 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016578.D

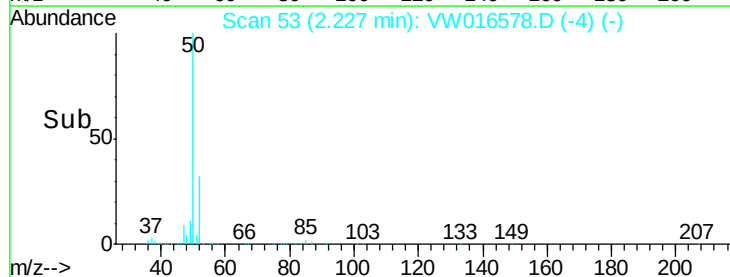
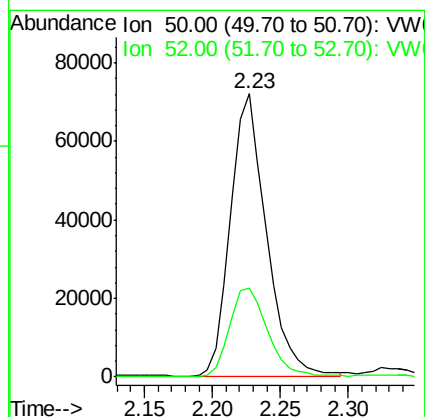
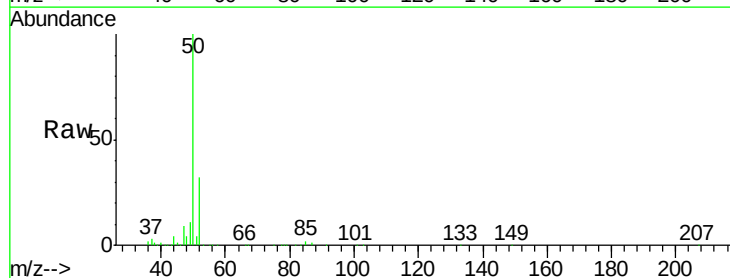
Acq: 18 Sep 2020 10:58

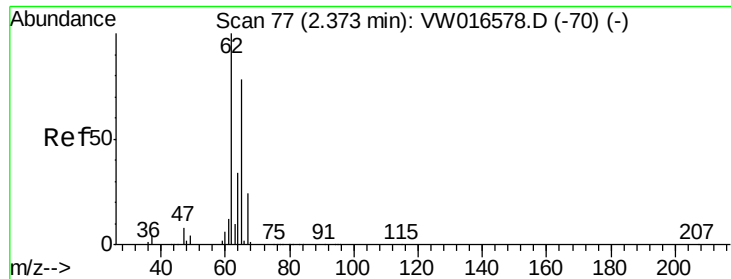
Tgt Ion: 50 Resp: 132168

Ion Ratio Lower Upper

50 100

52 31.6 22.1 41.1





#5

Vinyl chloride

Concen: 23.776 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

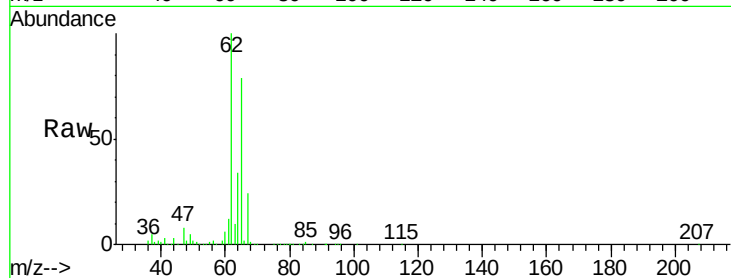
VSTD025101

Tgt Ion: 62 Resp: 192923

Ion Ratio Lower Upper

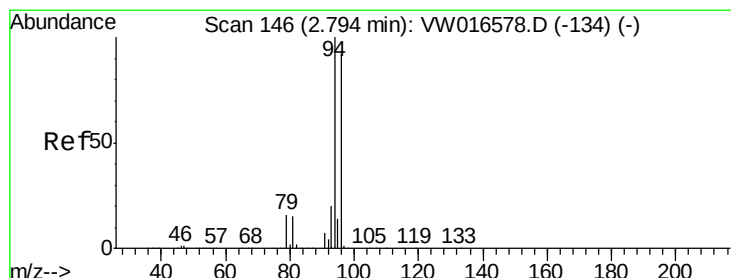
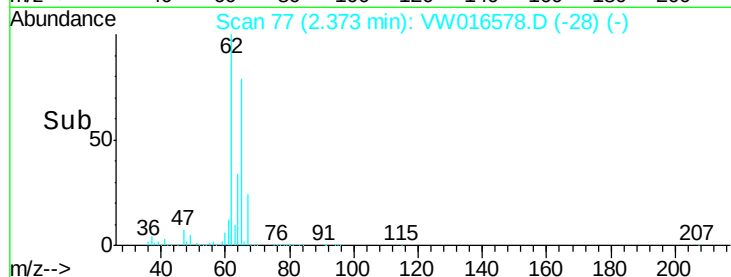
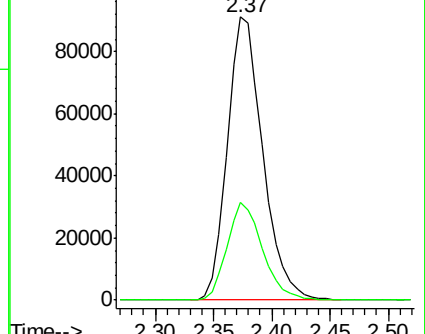
62 100

64 34.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.329 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016578.D

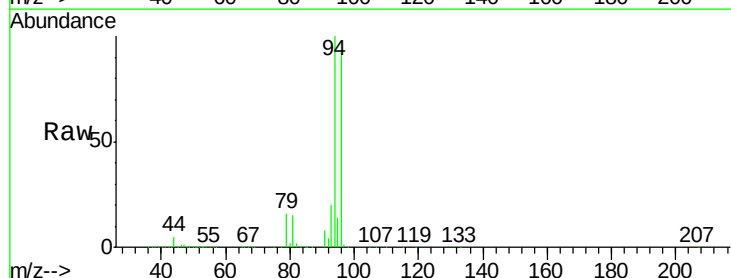
Acq: 18 Sep 2020 10:58

Tgt Ion: 94 Resp: 145423

Ion Ratio Lower Upper

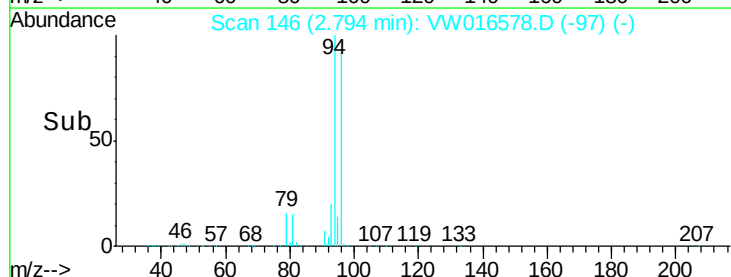
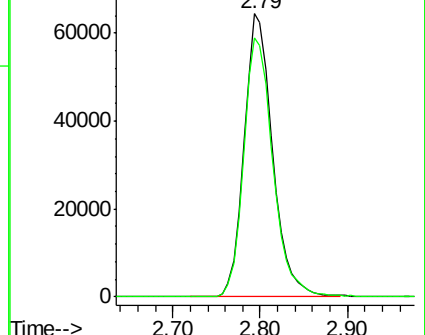
94 100

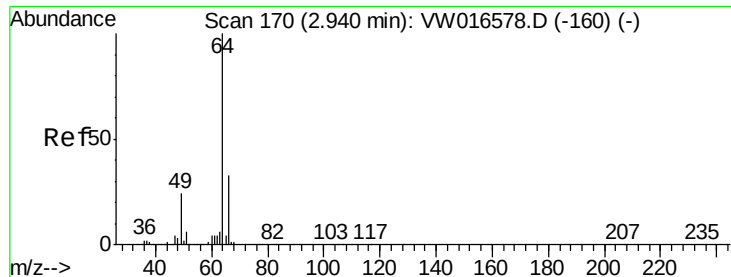
96 91.7 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

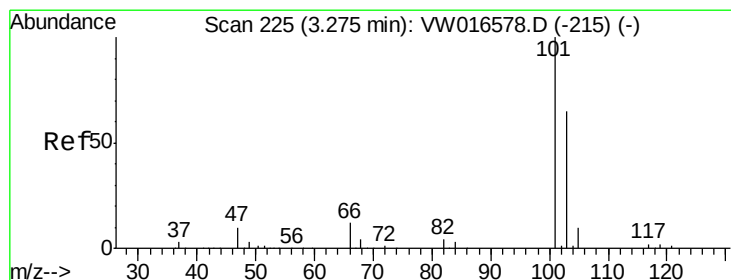
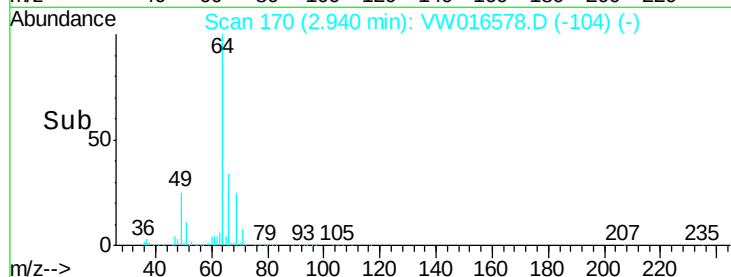
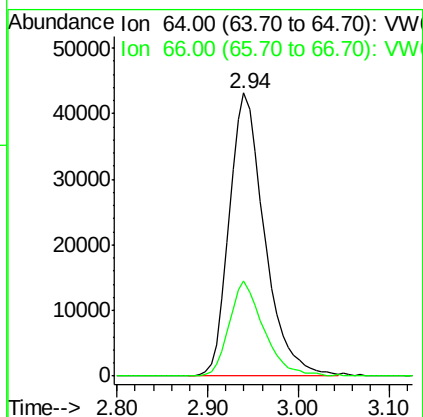
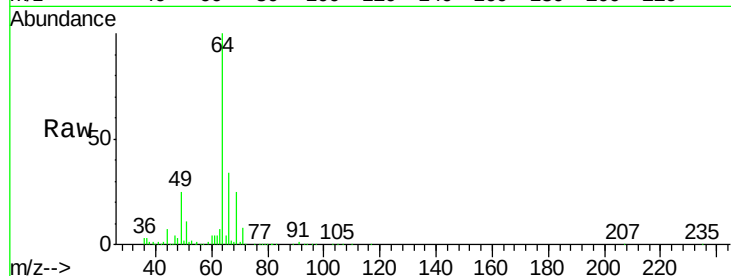




#8
Chloroethane
Concen: 24.155 ug/L
RT: 2.94 min Scan# 170
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

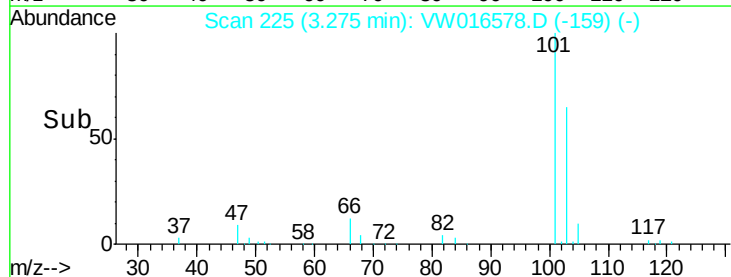
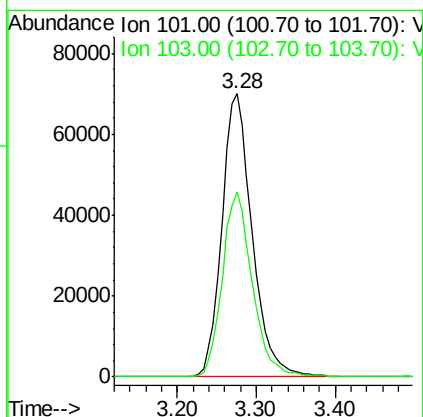
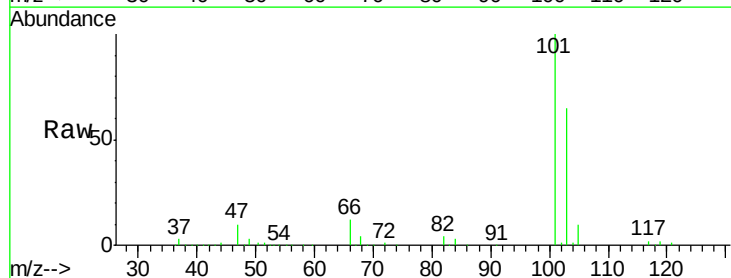
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

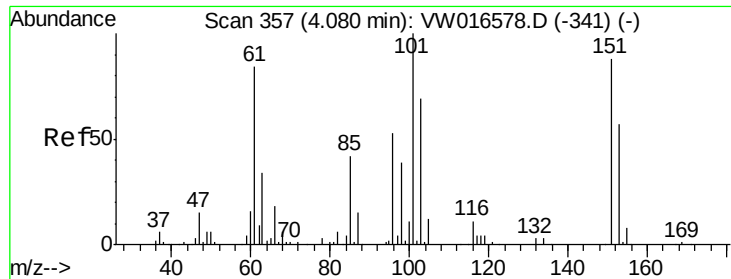
Tgt Ion: 64 Resp: 116512
Ion Ratio Lower Upper
64 100
66 33.6 23.5 43.7



#9
Trichlorofluoromethane
Concen: 24.284 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion: 101 Resp: 186890
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 24.653 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025101

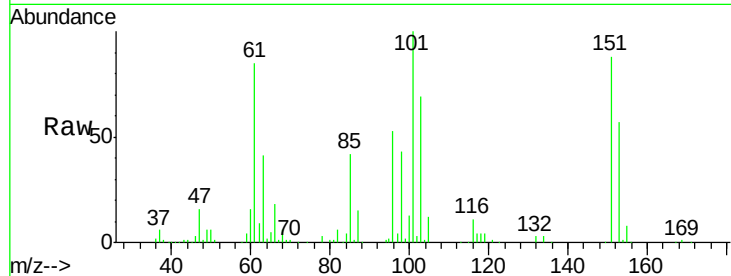
Tgt Ion: 101 Resp: 188340

Ion Ratio Lower Upper

101 100

85 40.2 32.2 48.2

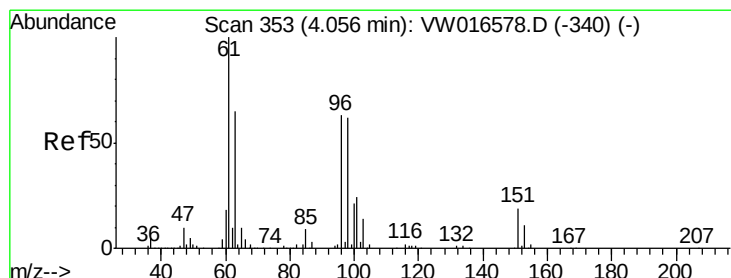
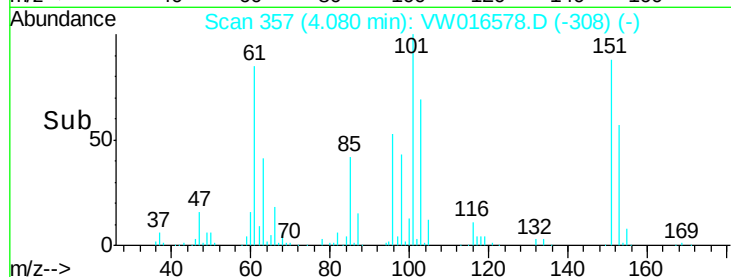
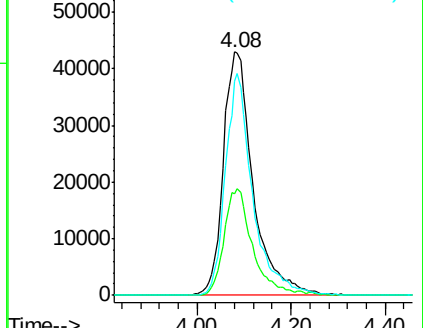
151 83.5 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.939 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

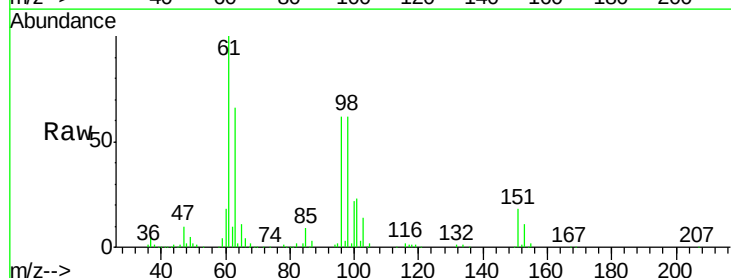
Tgt Ion: 96 Resp: 182955

Ion Ratio Lower Upper

96 100

61 160.2 112.1 208.3

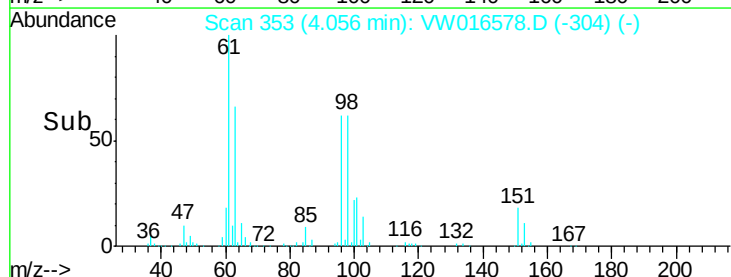
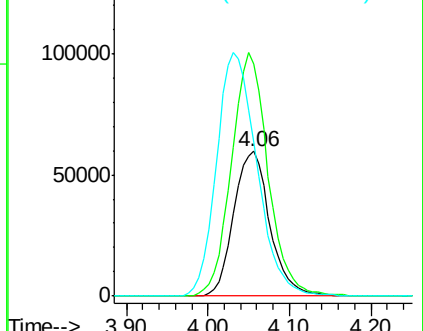
63 106.0 74.2 137.8

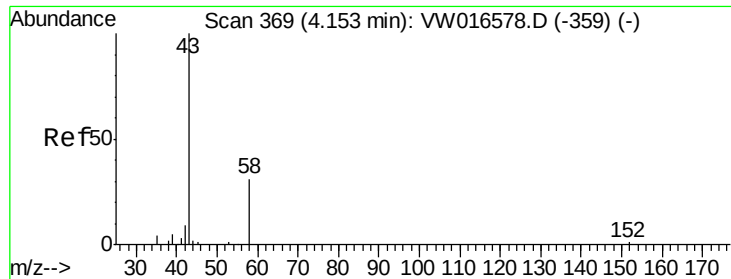


Abundance Ion 96.00 (95.70 to 96.70): VV

Ion 61.00 (60.70 to 61.70): VV

Ion 63.00 (62.70 to 63.70): VV





#13

Acetone

Concen: 39.834 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.00 min

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Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

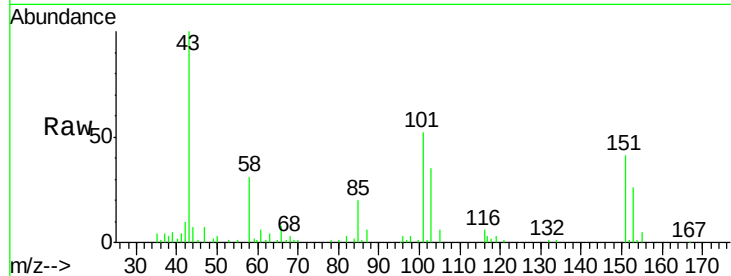
VSTD025101

Tgt Ion: 43 Resp: 41171

Ion Ratio Lower Upper

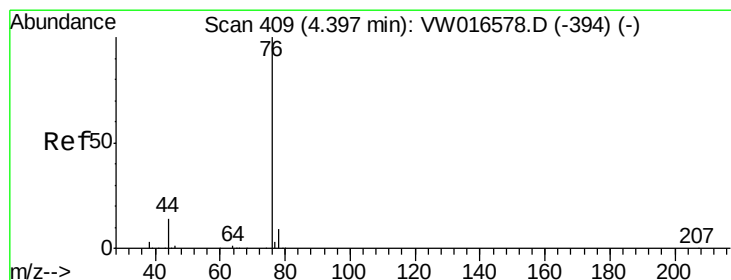
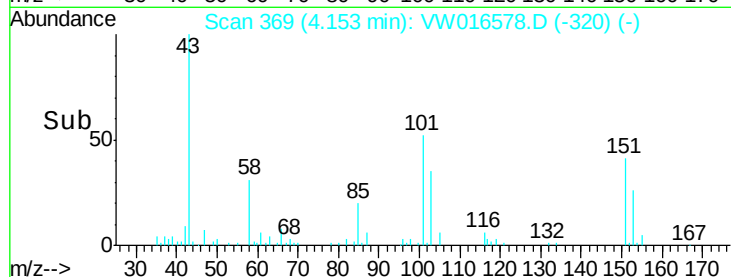
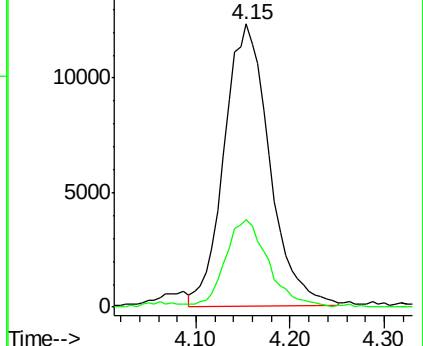
43 100

58 29.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.236 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016578.D

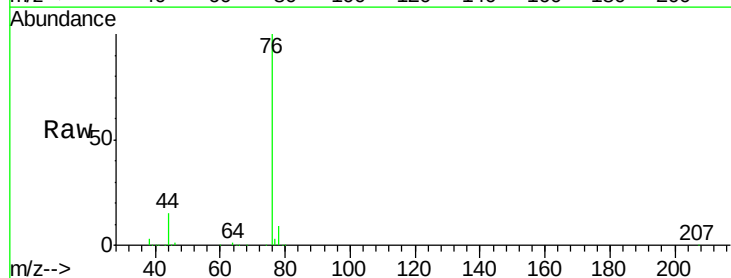
Acq: 18 Sep 2020 10:58

Tgt Ion: 76 Resp: 549926

Ion Ratio Lower Upper

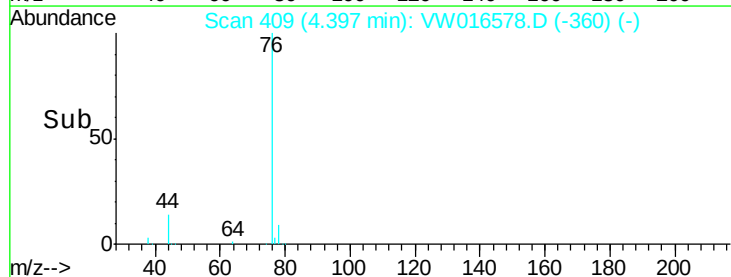
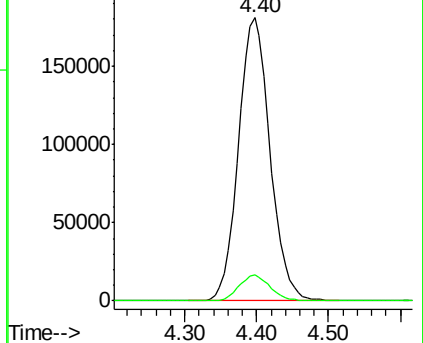
76 100

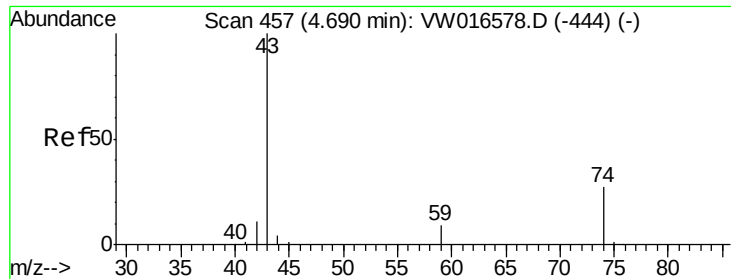
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

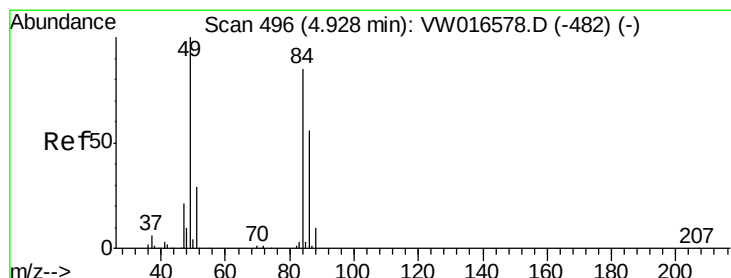
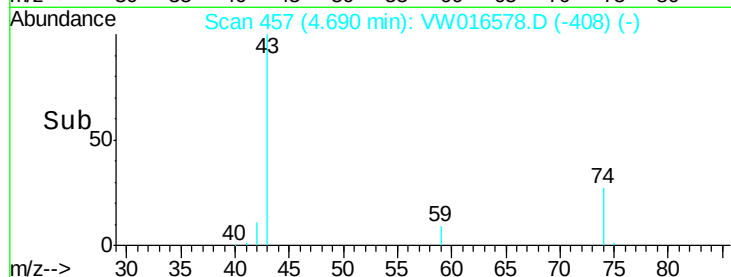
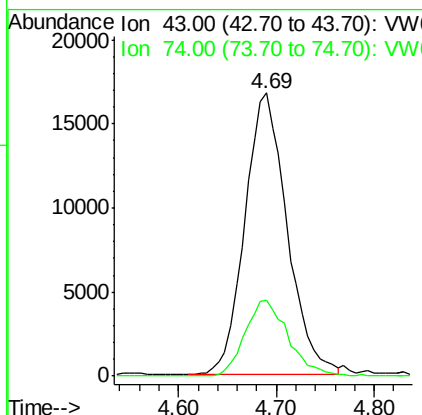
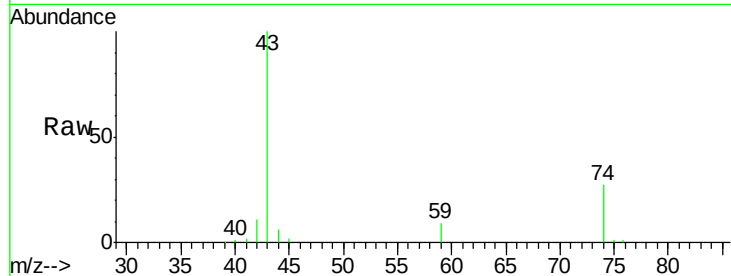




#15
Methyl Acetate
Concen: 20.307 ug/L
RT: 4.69 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

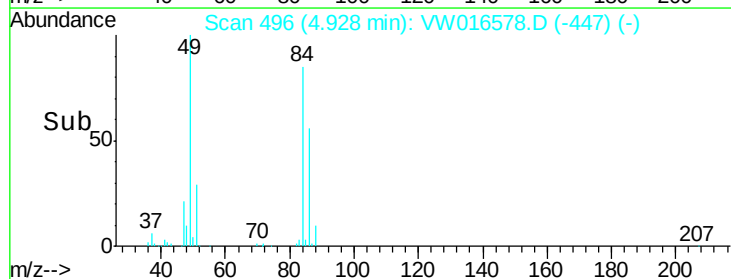
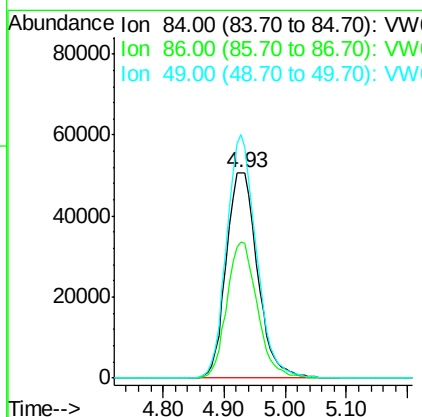
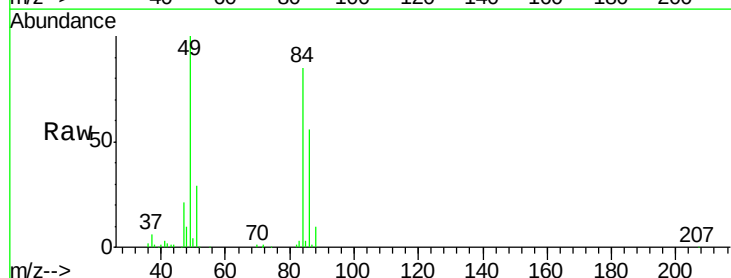
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

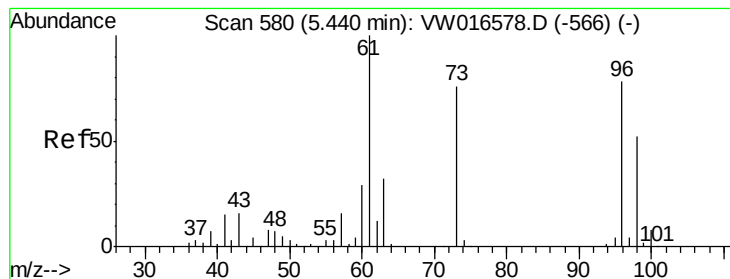
Tgt Ion: 43 Resp: 50319
Ion Ratio Lower Upper
43 100
74 27.4 21.9 32.9



#16
Methylene chloride
Concen: 20.701 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion: 84 Resp: 179718
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 118.3 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 23.673 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025101

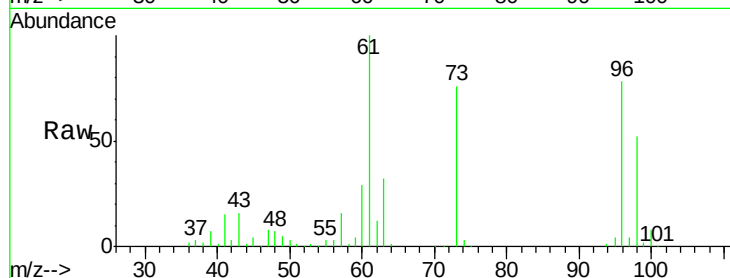
Tgt Ion: 96 Resp: 187661

Ion Ratio Lower Upper

96 100

61 128.2 89.7 166.7

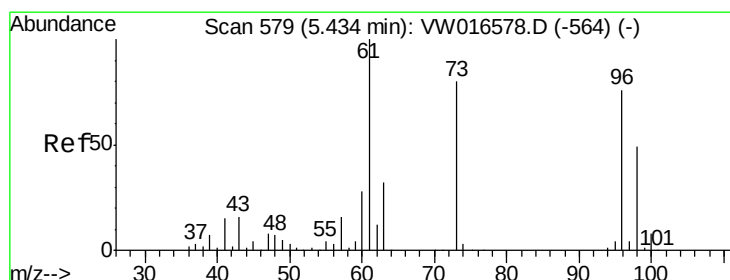
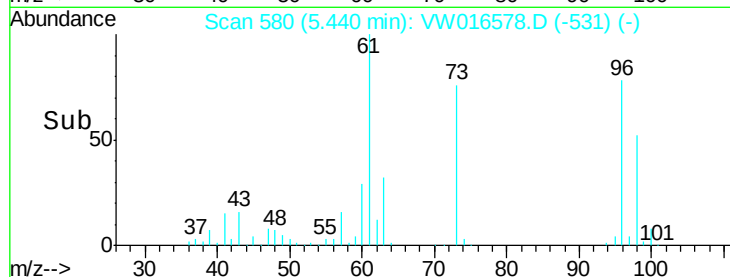
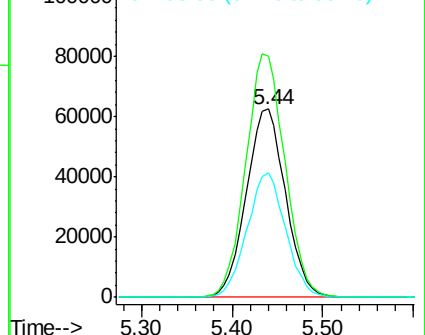
98 66.3 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 22.558 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

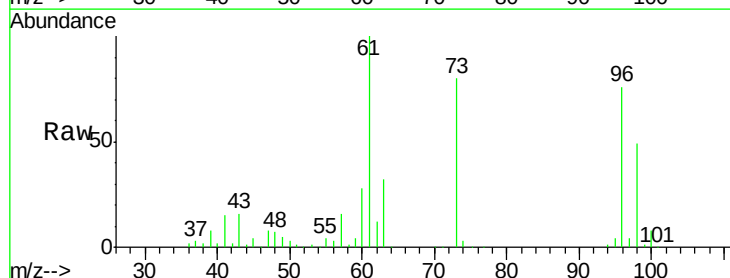
Tgt Ion: 73 Resp: 219657

Ion Ratio Lower Upper

73 100

43 21.3 17.0 25.6

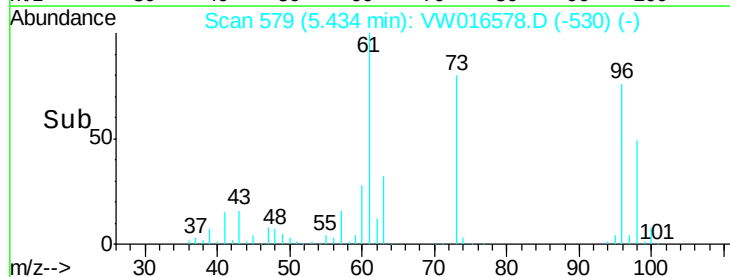
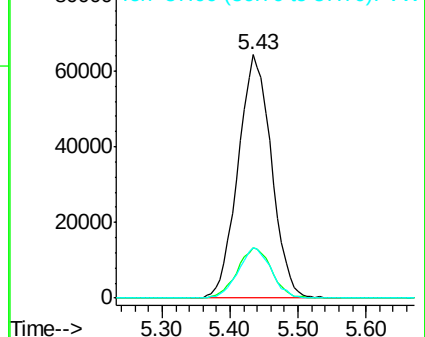
57 20.4 16.3 24.5

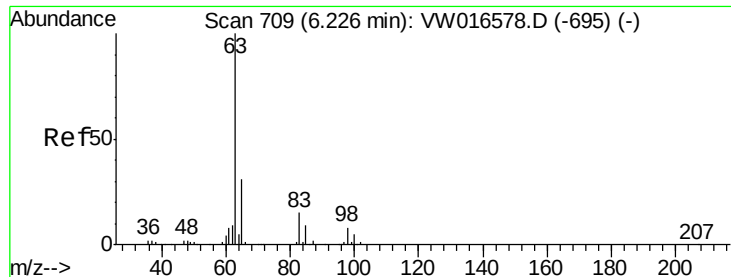


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#19

1,1-Dichloroethane

Concen: 23.897 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

VSTD025101

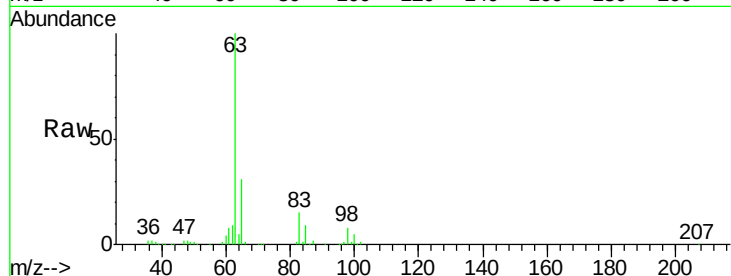
Tgt Ion: 63 Resp: 300077

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

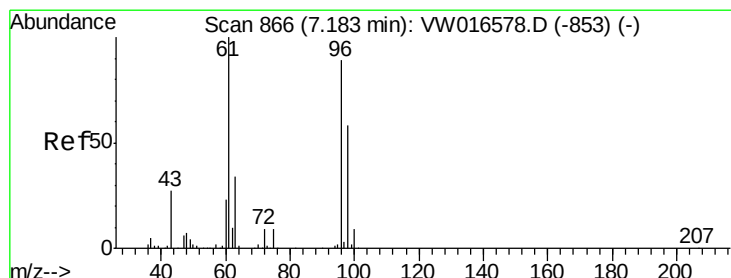
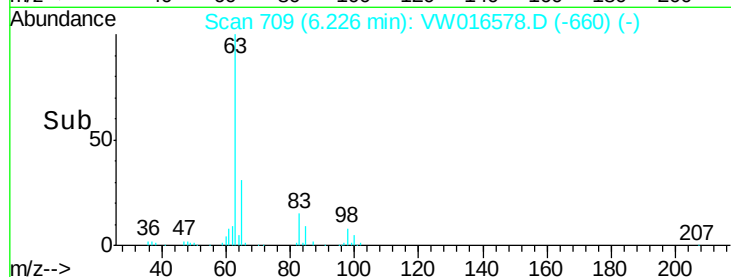
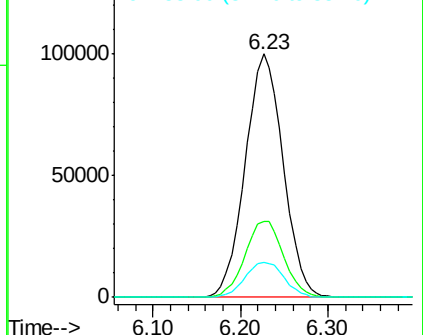
83 14.6 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#20

cis-1,2-Dichloroethene

Concen: 23.599 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

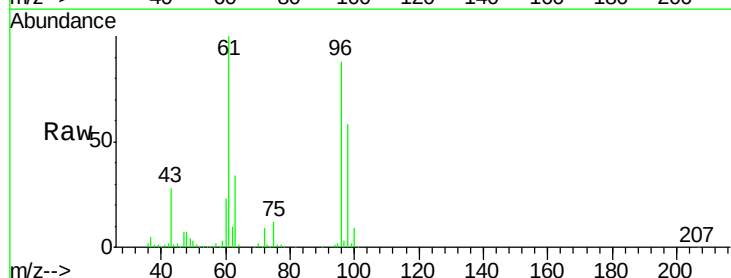
Tgt Ion: 96 Resp: 194456

Ion Ratio Lower Upper

96 100

61 113.1 79.2 147.0

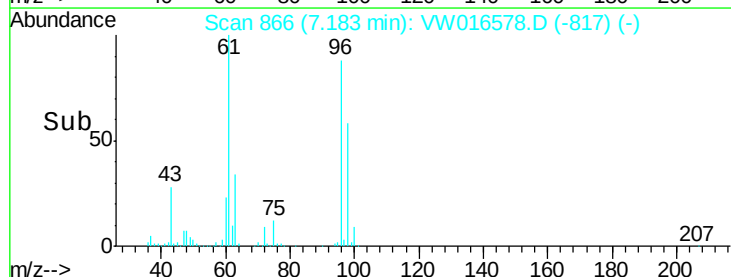
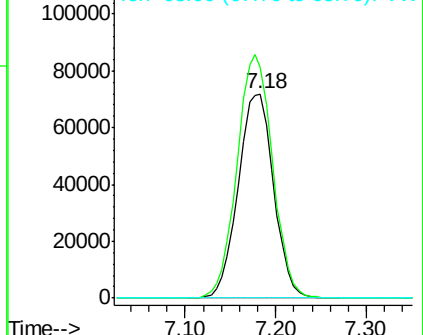
68 0.0 0.0 0.0

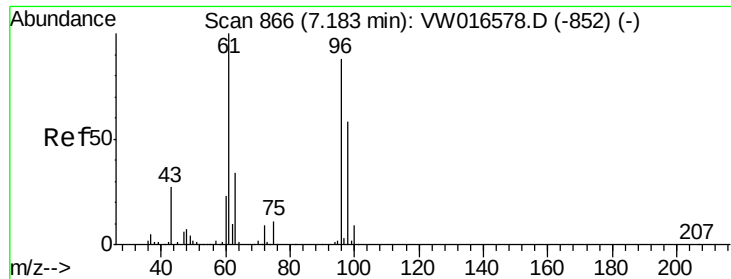


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 68.00 (67.70 to 68.70): VW





#22

2-Butanone

Concen: 37.786 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

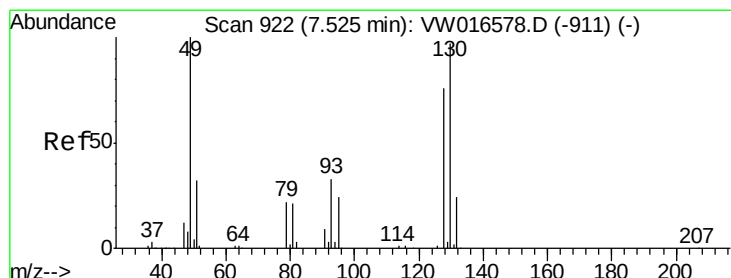
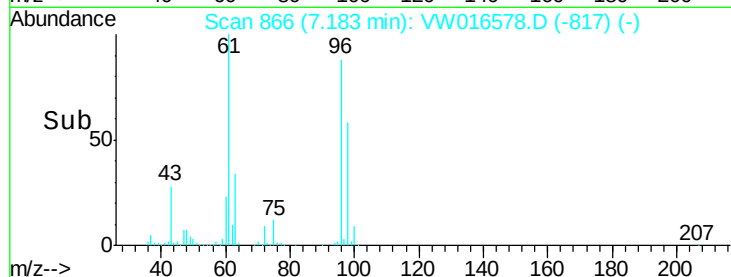
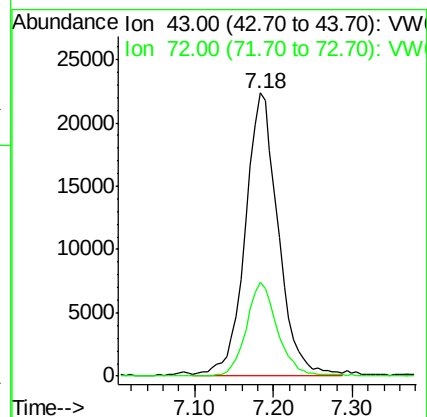
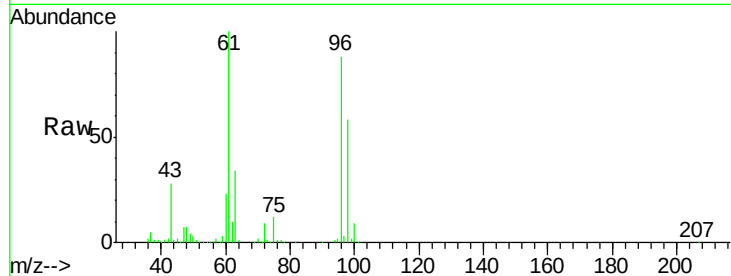
VSTD025101

Tgt Ion: 43 Resp: 64855

Ion Ratio Lower Upper

43 100

72 31.3 15.7 47.0



#23

Bromochloromethane

Concen: 22.670 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Tgt Ion: 128 Resp: 87826

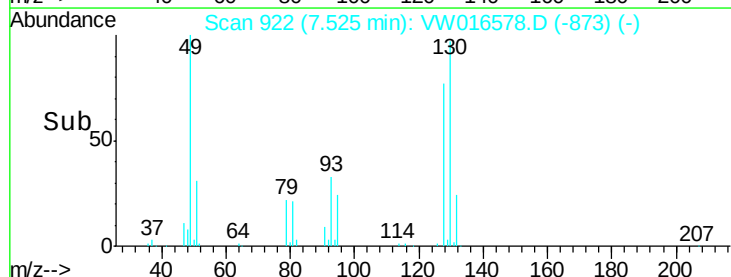
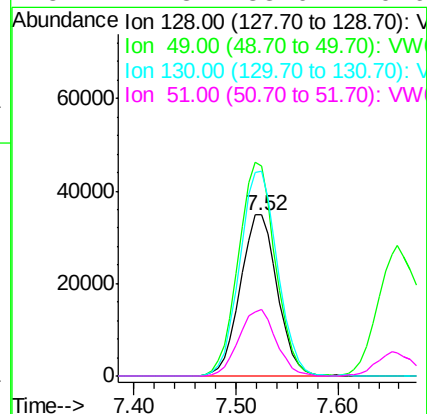
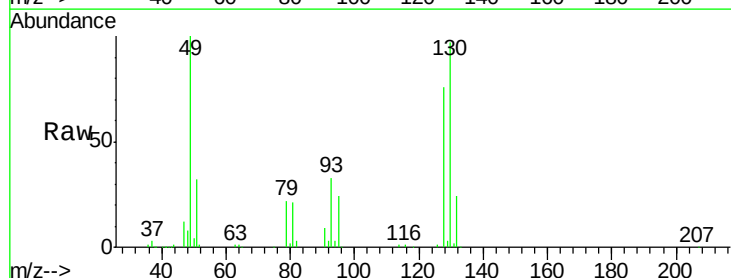
Ion Ratio Lower Upper

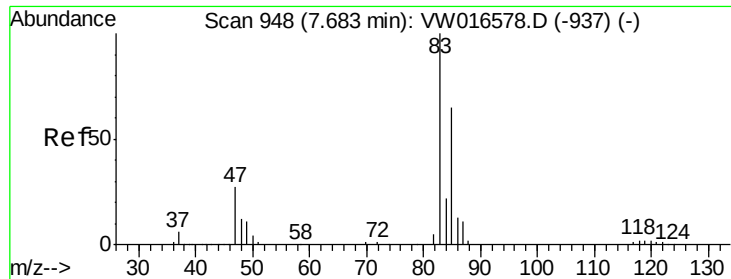
128 100

49 130.7 91.5 169.9

130 127.2 89.0 165.4

51 41.3 33.0 49.6

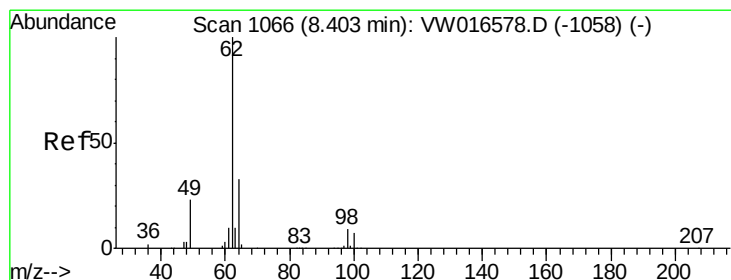
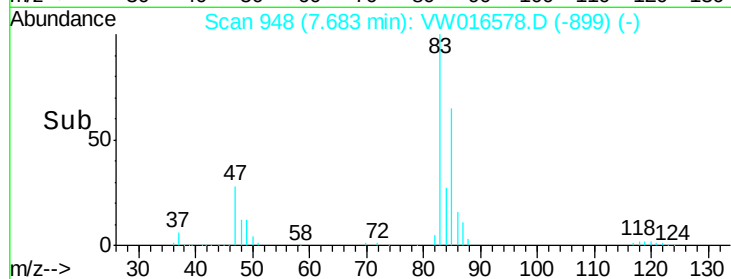
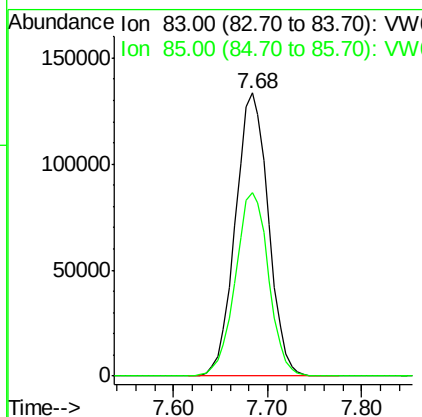
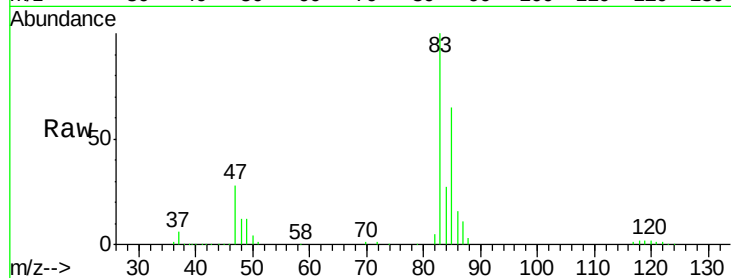




#25
Chloroform
Concen: 23.732 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

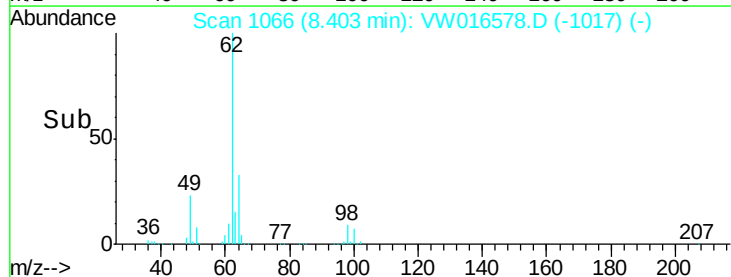
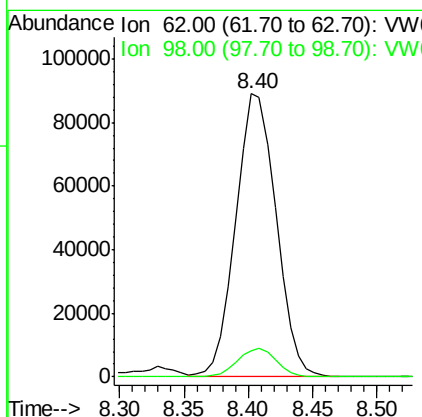
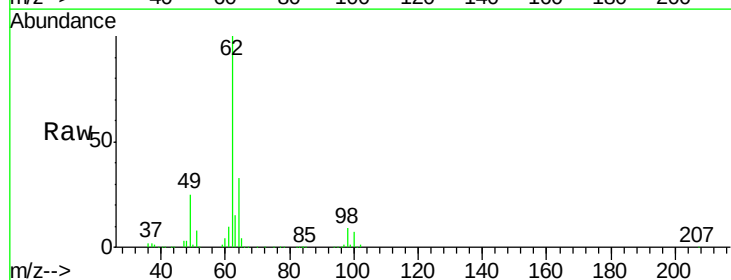
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

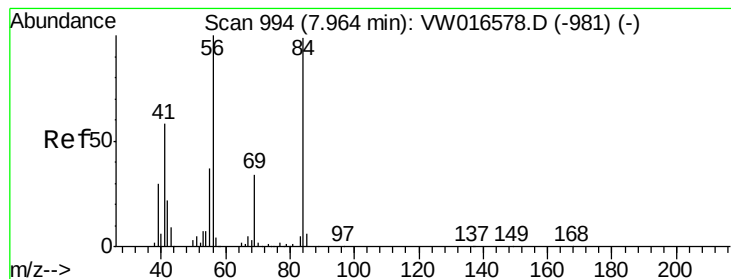
Tgt Ion: 83 Resp: 326027
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 22.669 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion: 62 Resp: 193362
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#29

Cyclohexane

Concen: 24.091 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

VSTD025101

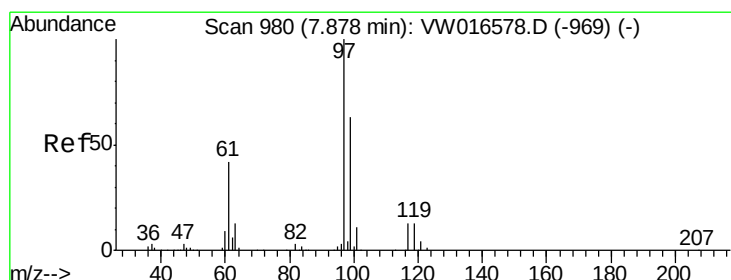
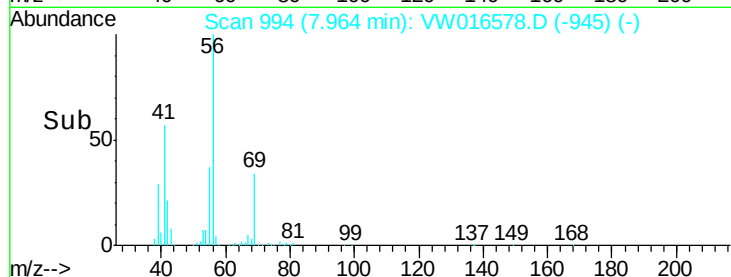
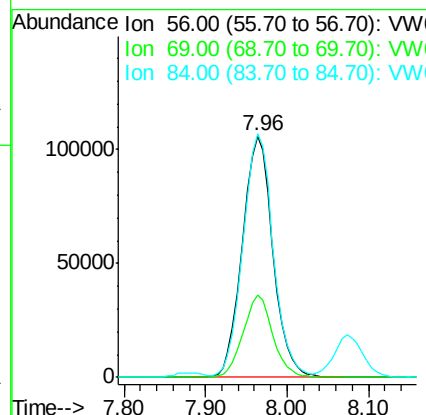
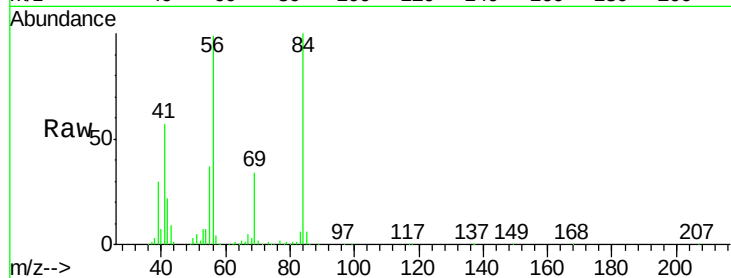
Tgt Ion: 56 Resp: 275821

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

84 99.9 79.9 119.9



#30

1,1,1-Trichloroethane

Concen: 24.665 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

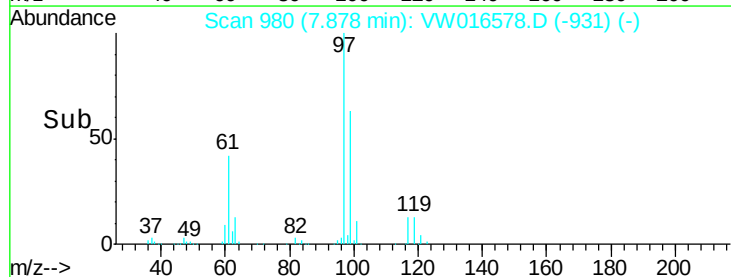
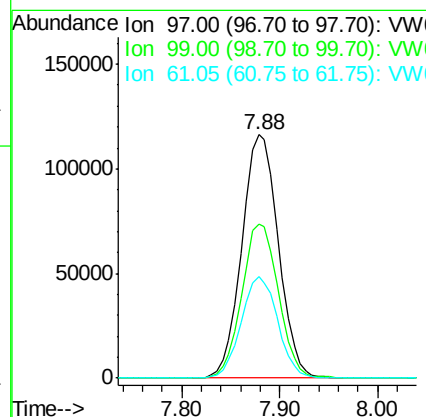
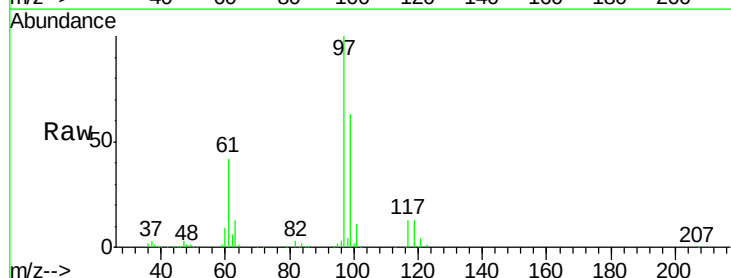
Tgt Ion: 97 Resp: 301388

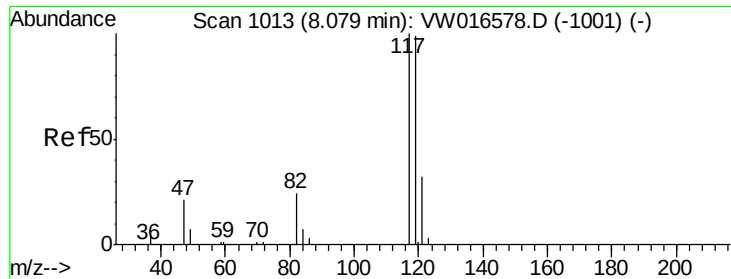
Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 41.5 33.2 49.8

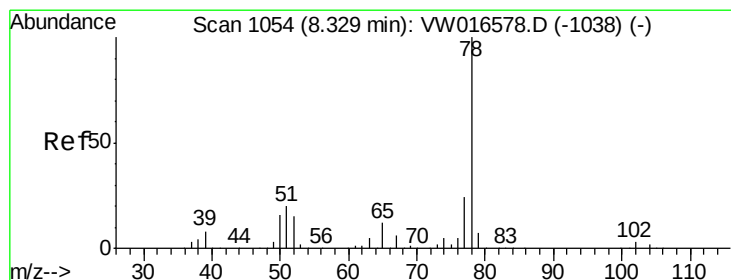
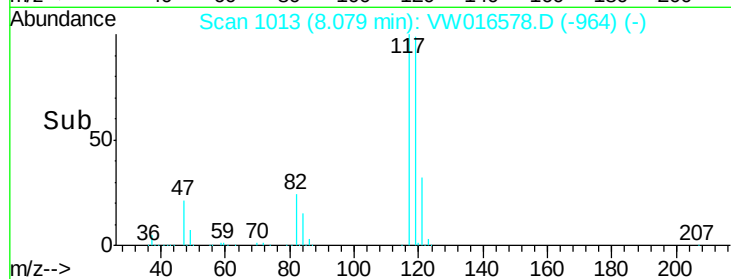
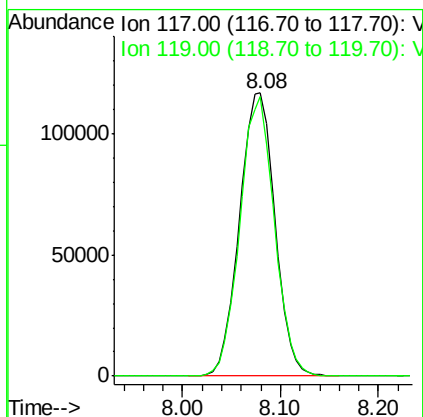
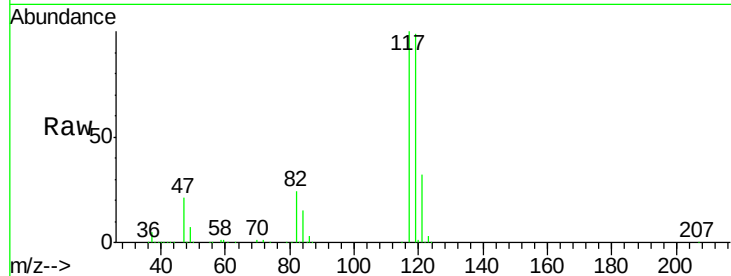




#31
Carbon tetrachloride
Concen: 24.718 ug/L
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

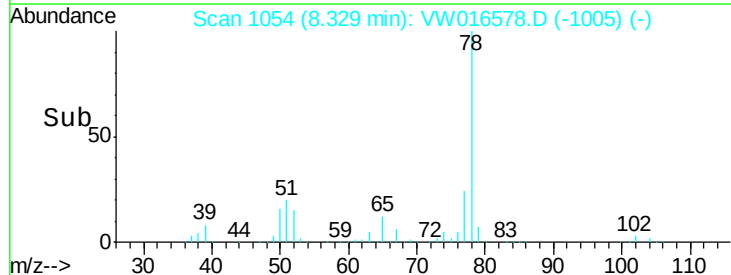
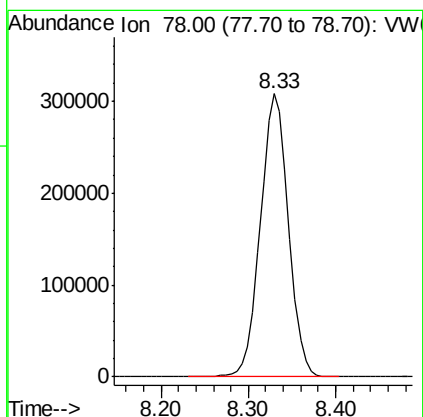
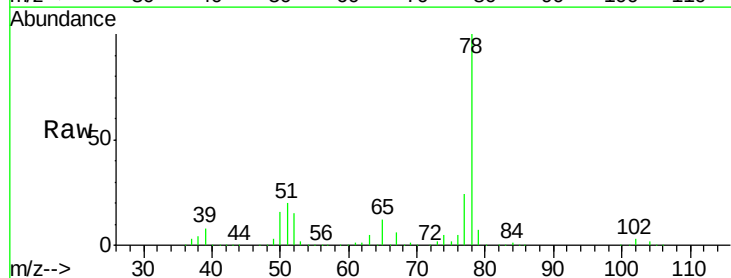
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

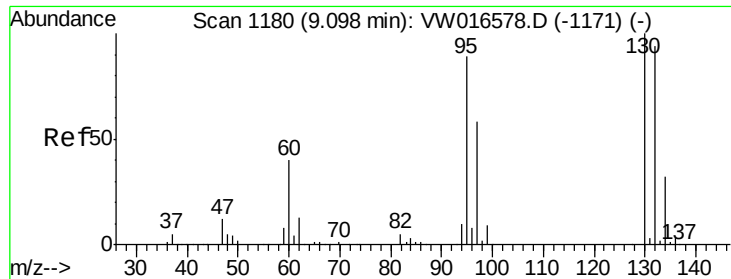
Tgt Ion:117 Resp: 294134
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#33
Benzene
Concen: 24.269 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion: 78 Resp: 689470

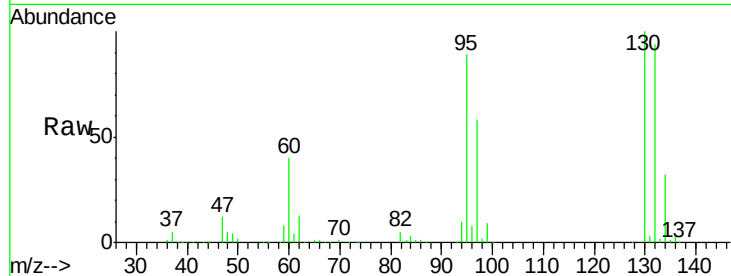




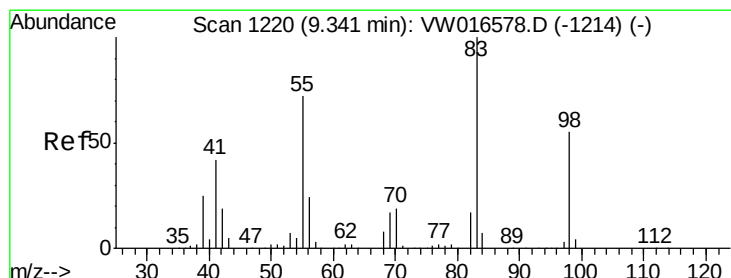
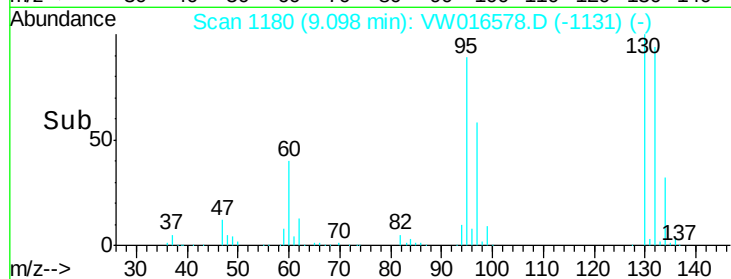
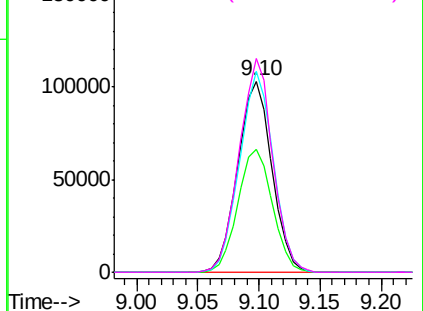
#34
 Trichloroethene
 Concen: 24.510 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

Tgt Ion: 95 Resp: 199735
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.1 83.9
 132 105.5 73.8 137.2
 130 111.9 78.3 145.5

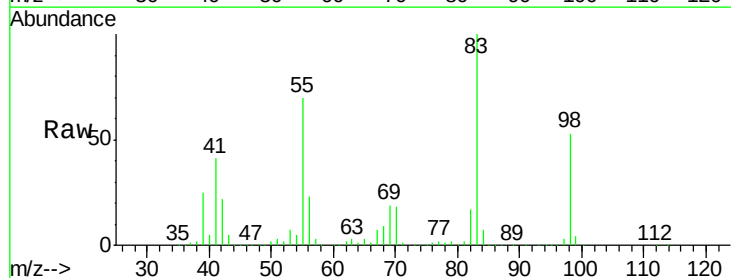


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

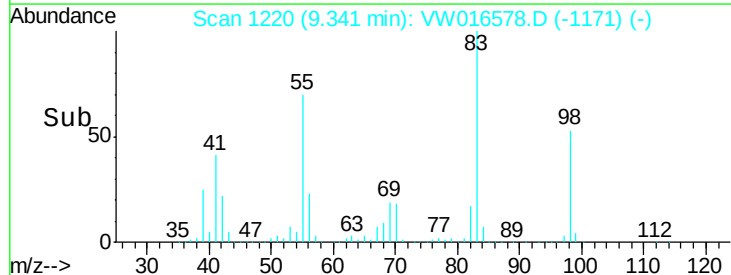
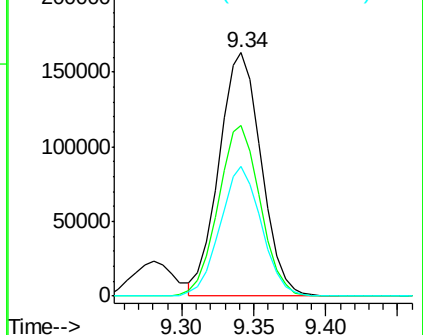


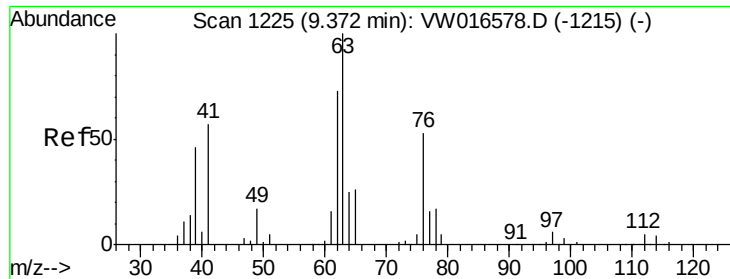
#35
 Methylcyclohexane
 Concen: 24.529 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion: 83 Resp: 333895
 Ion Ratio Lower Upper
 83 100
 55 69.9 55.9 83.9
 98 51.9 41.5 62.3



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

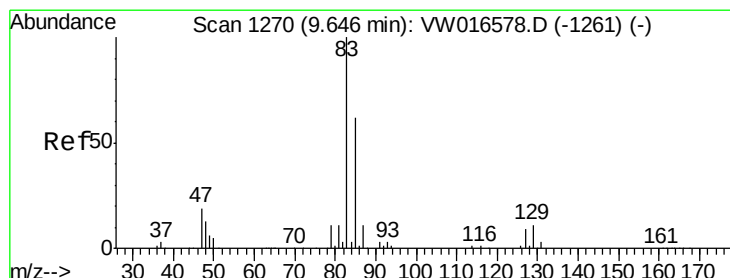
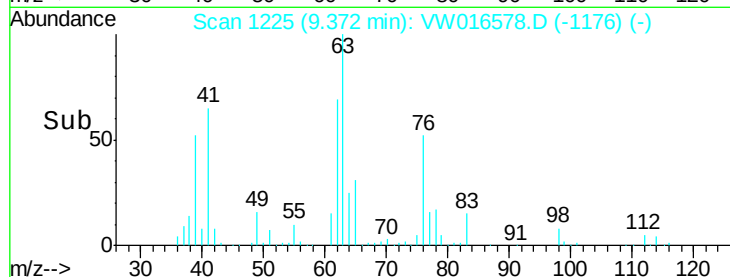
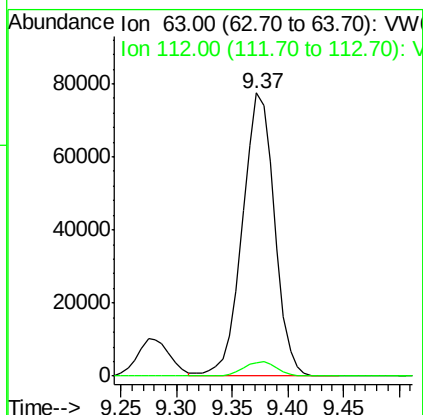
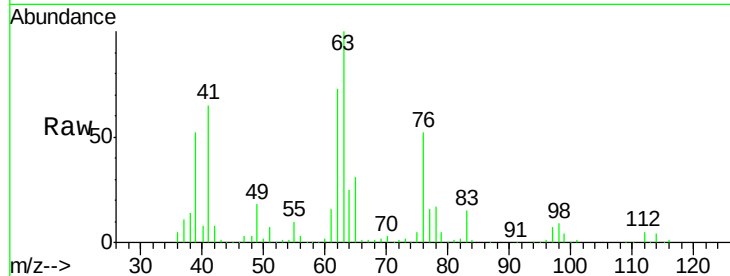




#37
 1,2-Dichloropropane
 Concen: 23.963 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

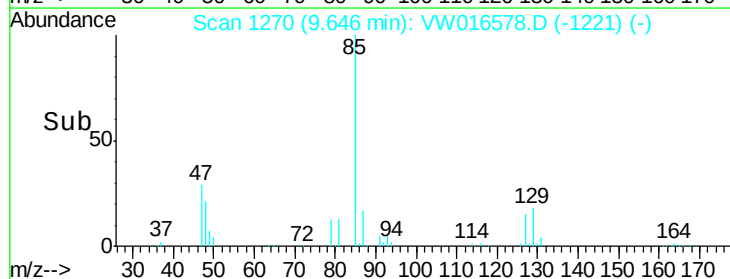
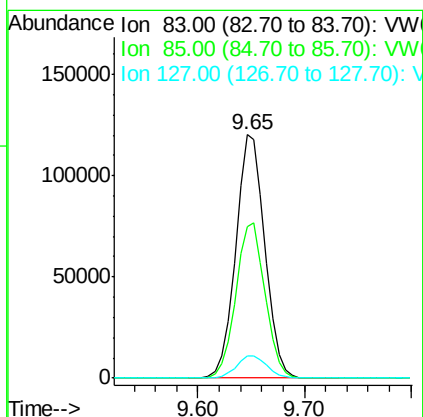
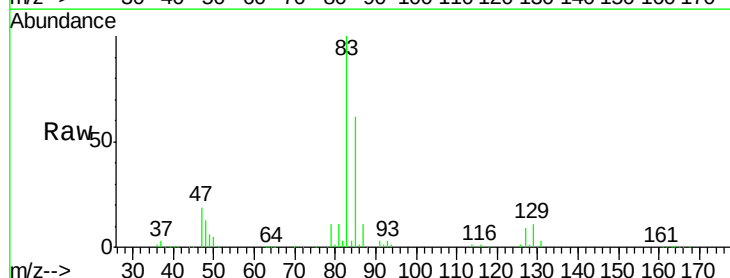
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

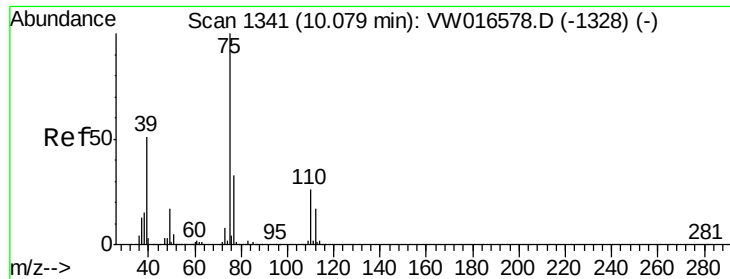
Tgt Ion: 63 Resp: 155229
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 23.940 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion: 83 Resp: 229973
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.7 81.1
 127 9.3 7.4 11.2

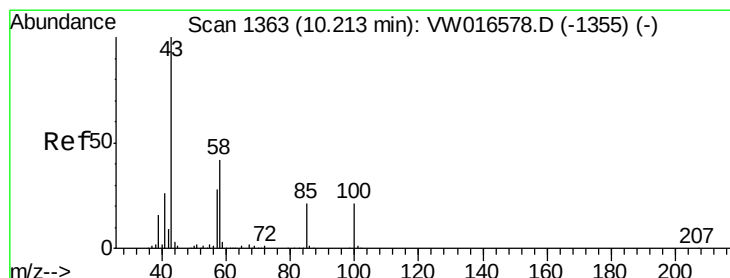
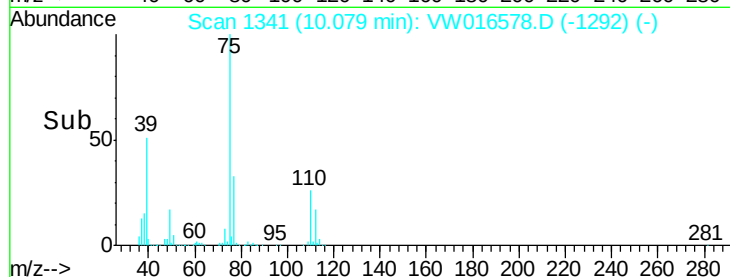
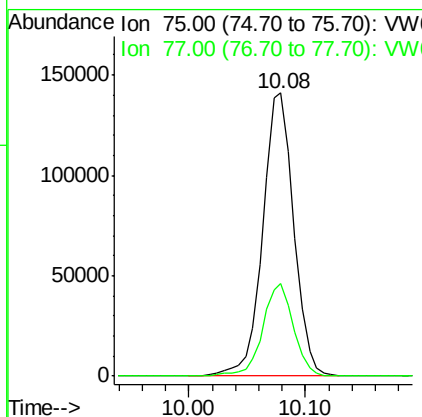
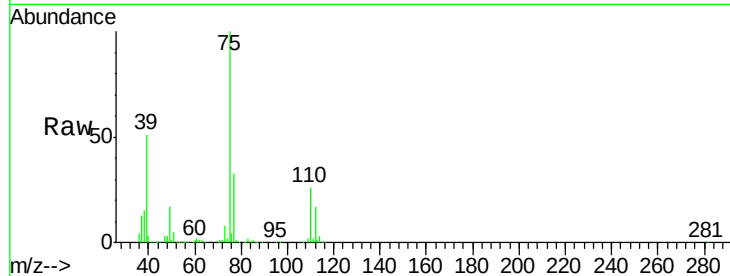




#39
 cis-1,3-Dichloropropene
 Concen: 23.720 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

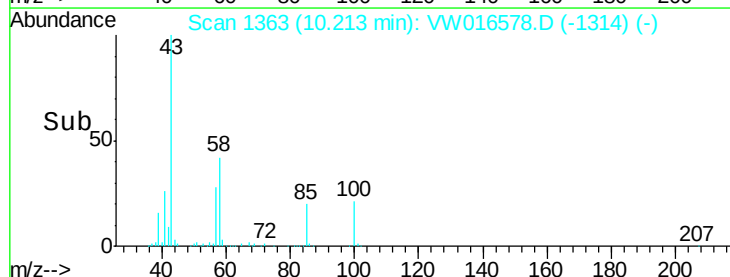
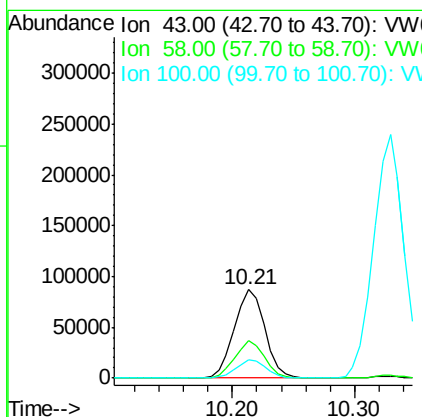
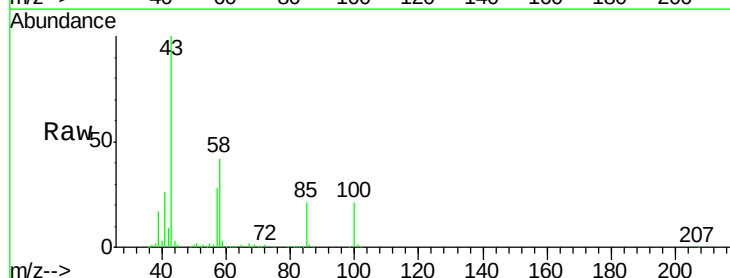
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

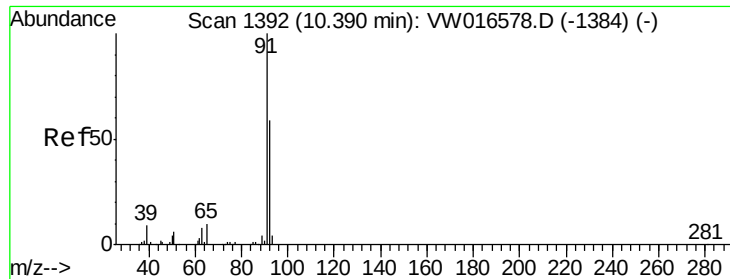
Tgt Ion: 75 Resp: 262288
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 41.606 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion: 43 Resp: 151011
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4
 100 20.0 16.0 24.0





#42

Toluene

Concen: 24.449 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampled :

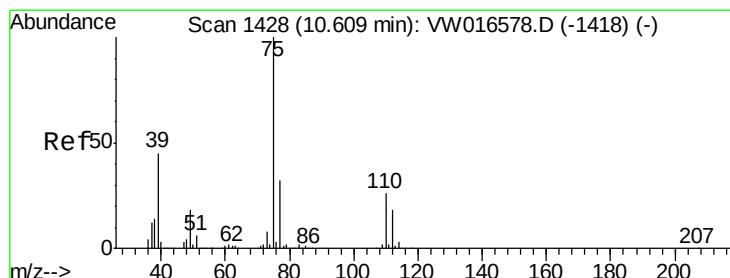
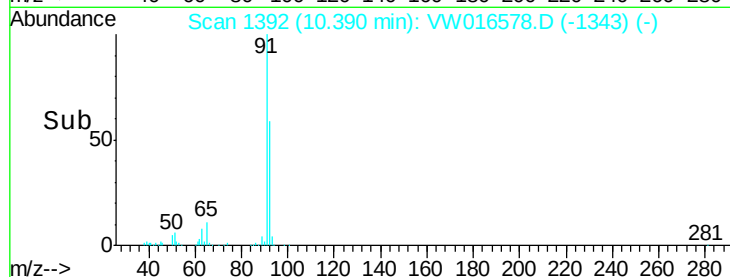
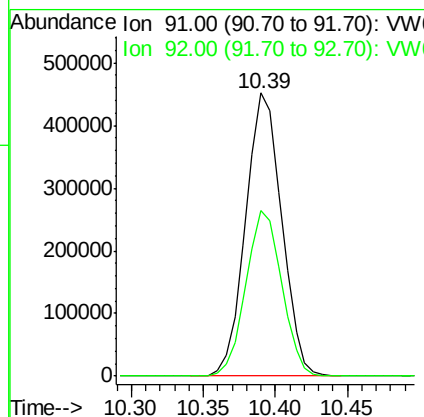
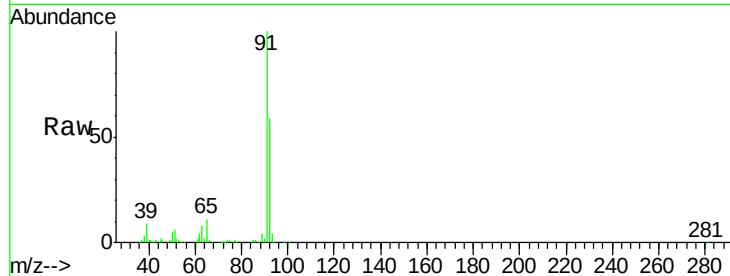
VSTD025101

Tgt Ion: 91 Resp: 782521

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 23.506 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016578.D

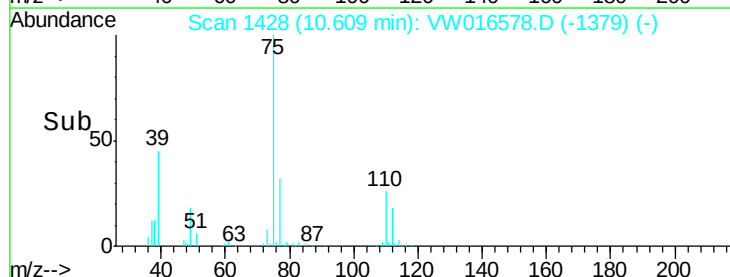
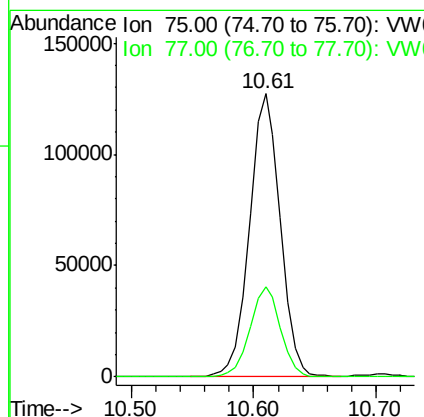
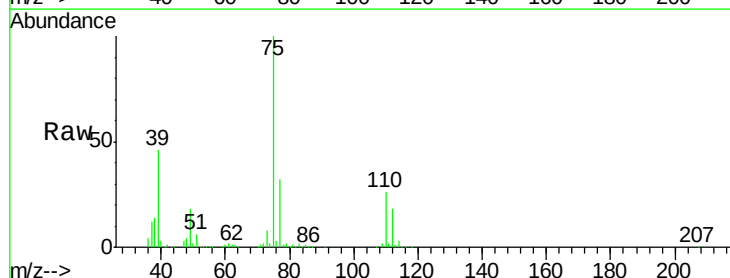
Acq: 18 Sep 2020 10:58

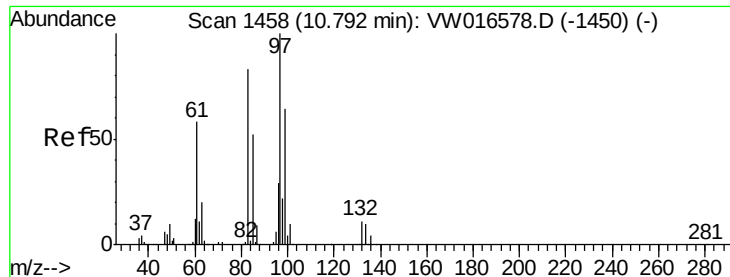
Tgt Ion: 75 Resp: 222923

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 22.748 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025101

Tgt Ion: 97 Resp: 119686

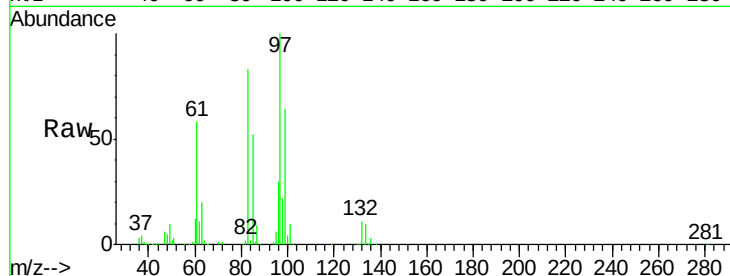
Ion Ratio Lower Upper

97 100

99 63.6 44.5 82.7

83 83.4 58.4 108.4

85 52.5 36.8 68.3

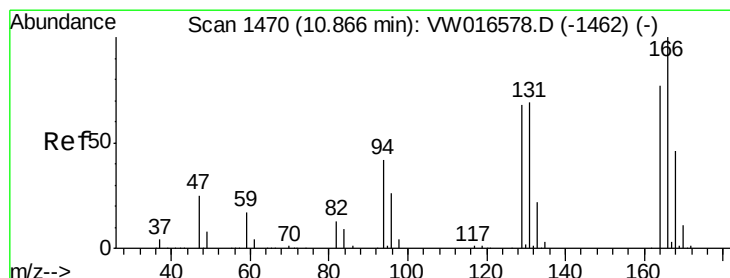
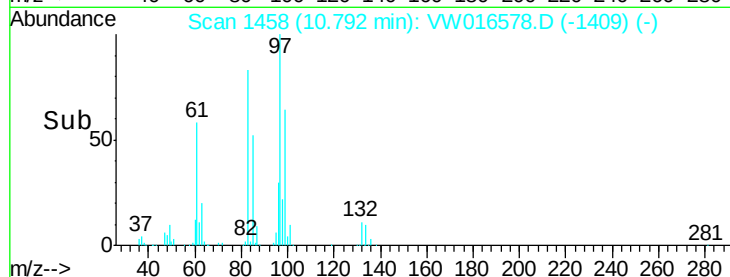
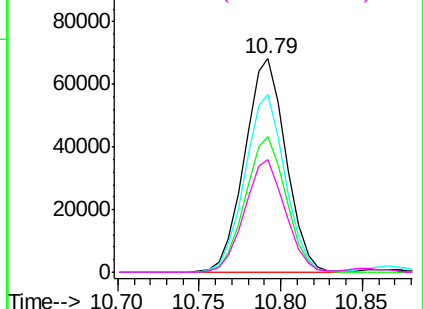


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 24.037 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Tgt Ion: 164 Resp: 176693

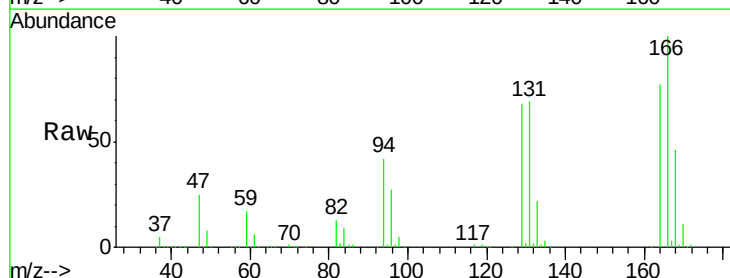
Ion Ratio Lower Upper

164 100

129 87.7 61.4 114.0

131 89.7 62.8 116.6

166 129.7 90.8 168.6

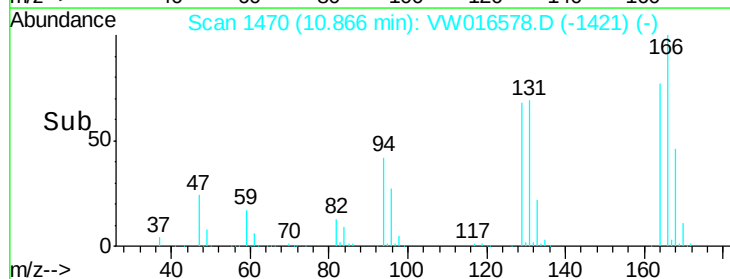
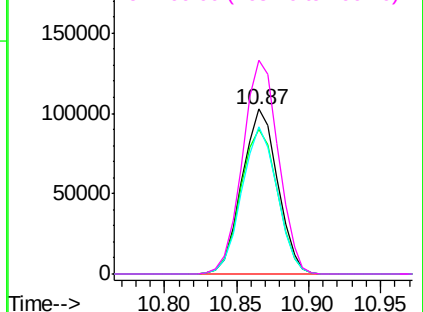


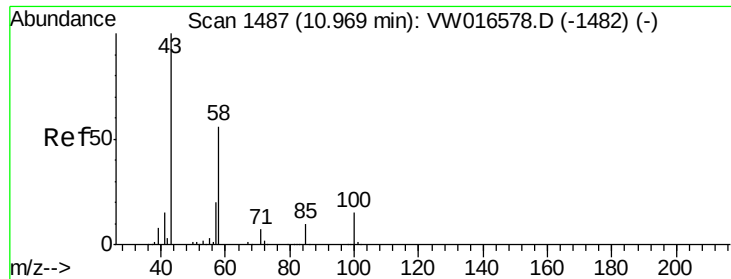
Abundance Ion 164.00 (163.70 to 164.70): V

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

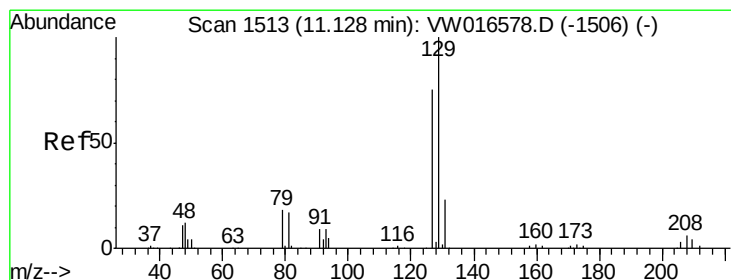
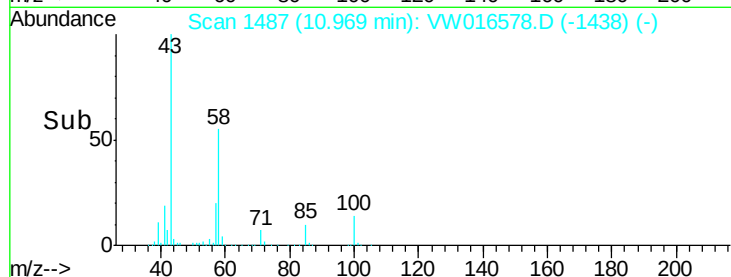
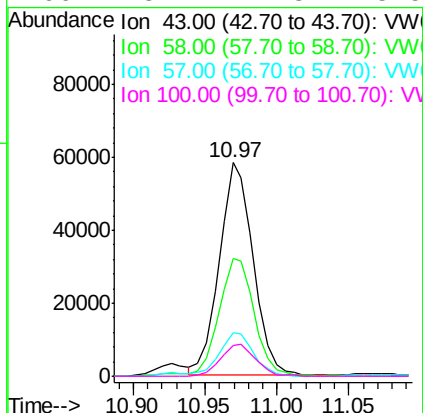
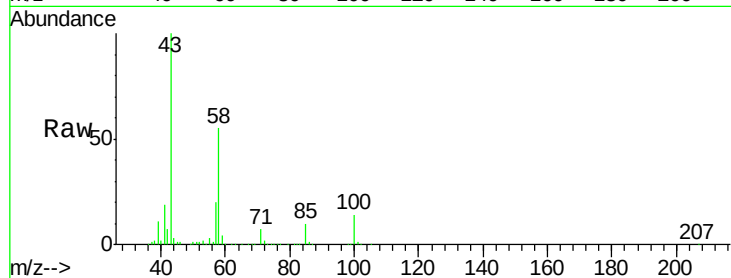




#48
2-Hexanone
Concen: 41.979 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

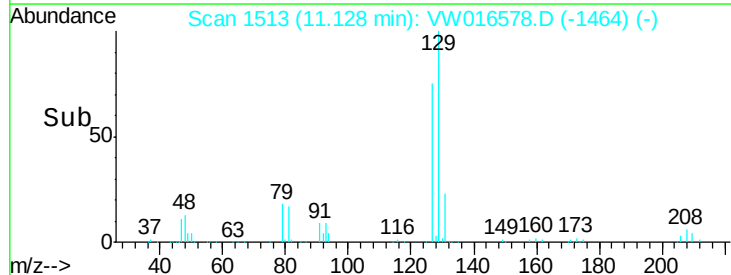
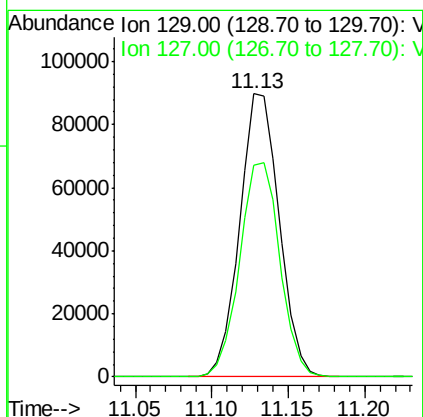
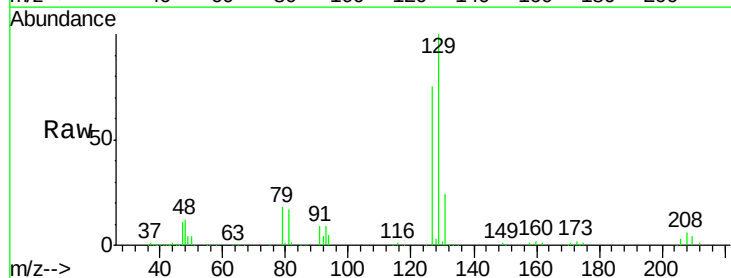
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

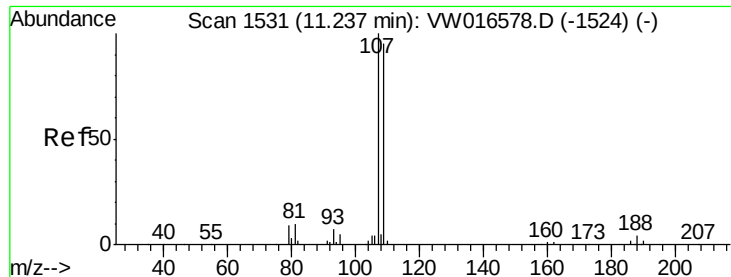
Tgt Ion: 43 Resp: 96161
Ion Ratio Lower Upper
43 100
58 57.4 45.9 68.9
57 20.7 16.6 24.8
100 15.4 12.3 18.5



#49
Dibromochloromethane
Concen: 23.374 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion: 129 Resp: 161422
Ion Ratio Lower Upper
129 100
127 75.0 52.5 97.5

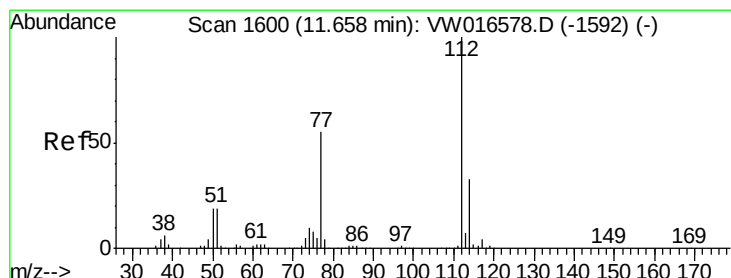
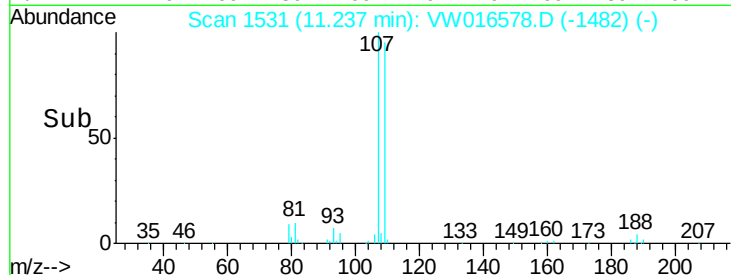
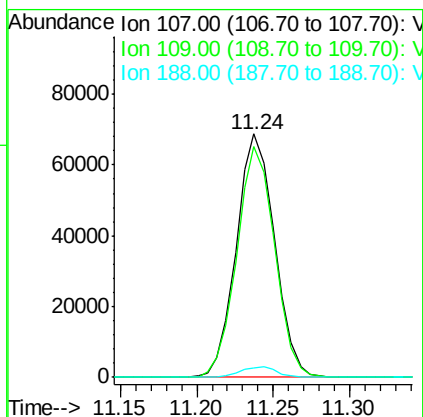
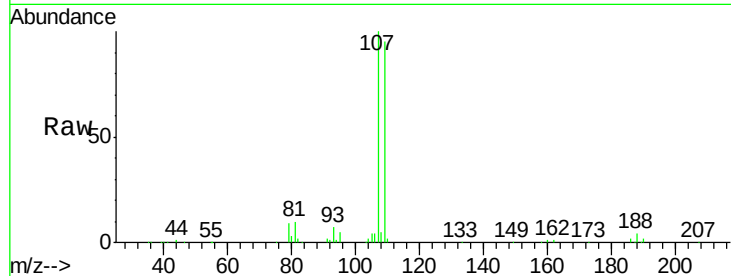




#50
1,2-Dibromoethane
Concen: 22.967 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

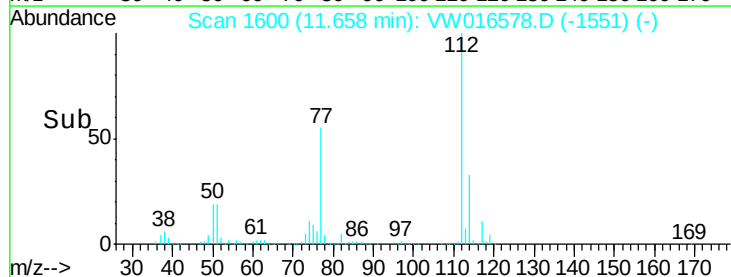
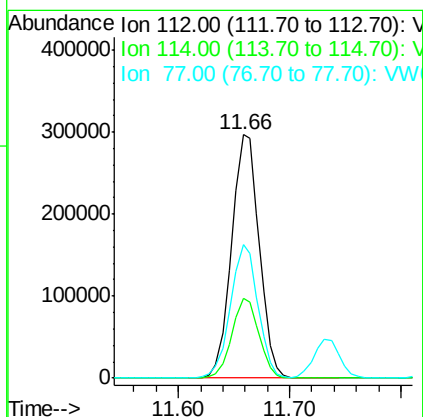
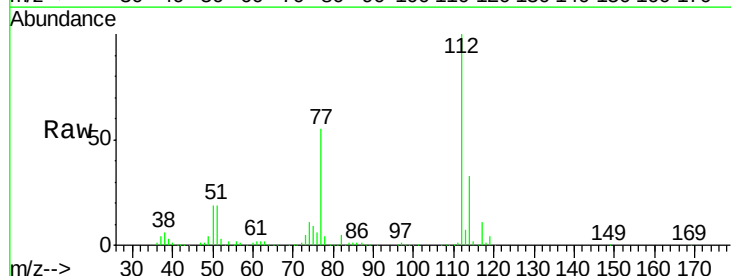
Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

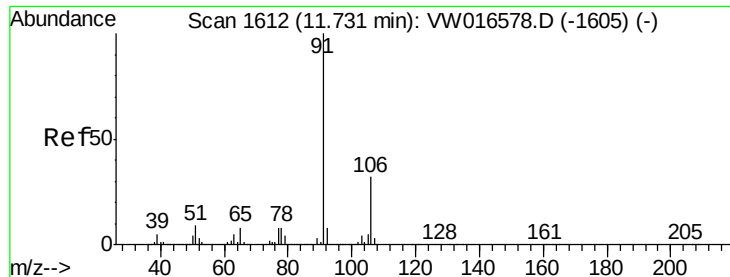
Tgt Ion:107 Resp: 119677
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 4.1 3.3 4.9



#51
Chlorobenzene
Concen: 23.932 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion:112 Resp: 507936
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 54.8 43.8 65.8





#52

Ethylbenzene

Concen: 24.567 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

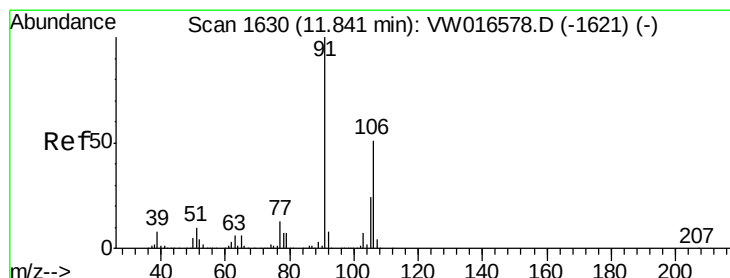
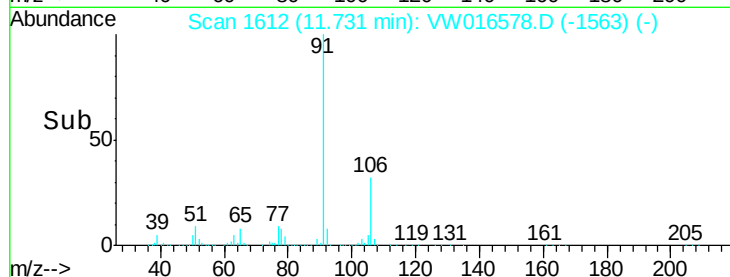
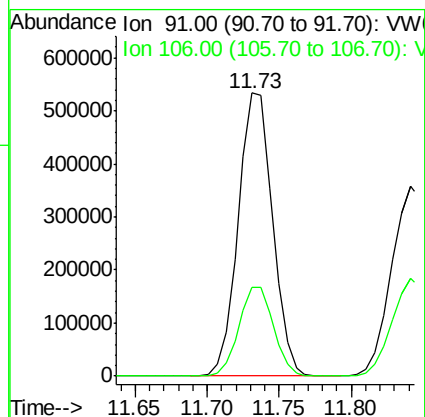
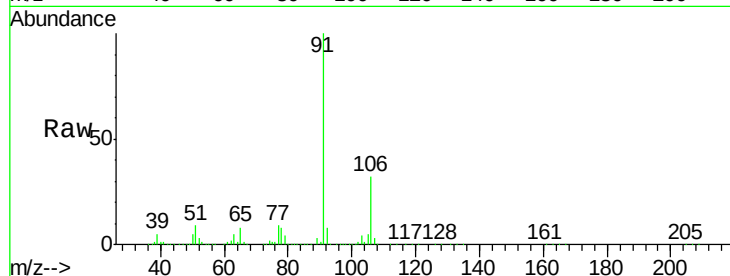
VSTD025101

Tgt Ion: 91 Resp: 885288

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



#53

m,p-Xylene

Concen: 24.251 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016578.D

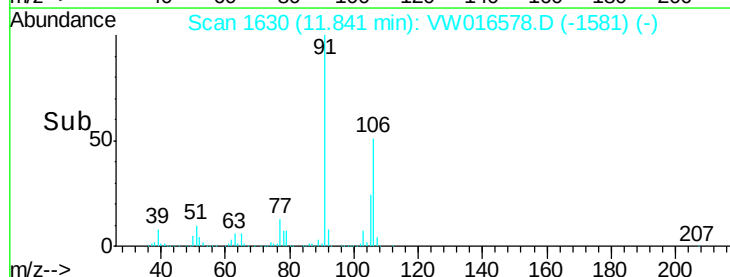
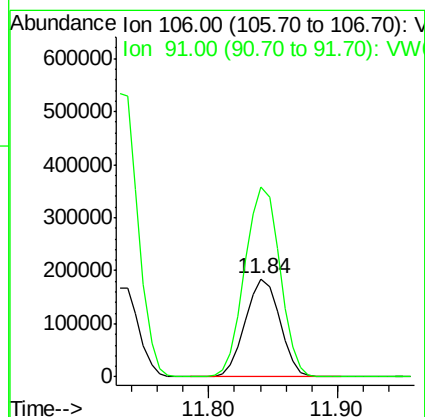
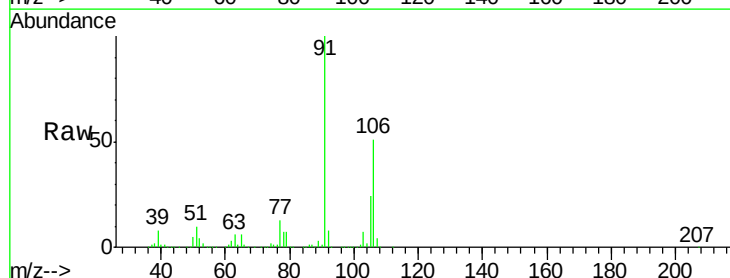
Acq: 18 Sep 2020 10:58

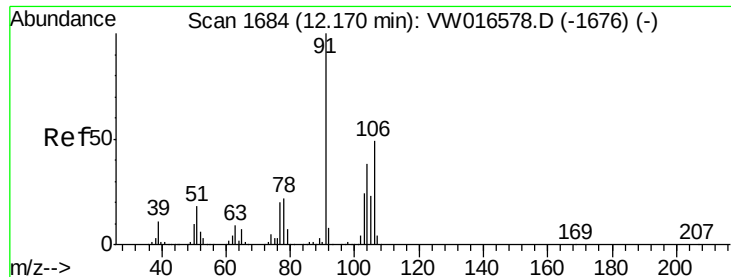
Tgt Ion: 106 Resp: 340443

Ion Ratio Lower Upper

106 100

91 194.5 136.2 252.9

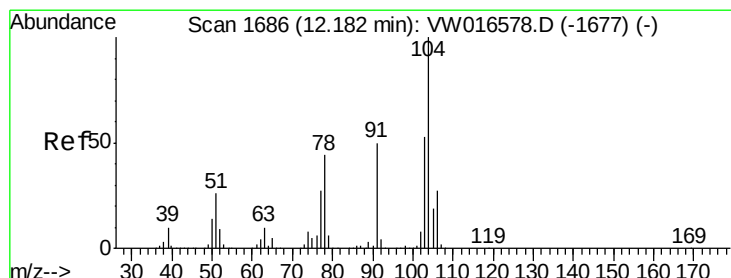
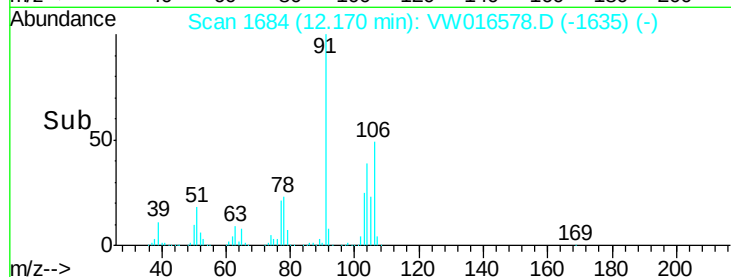
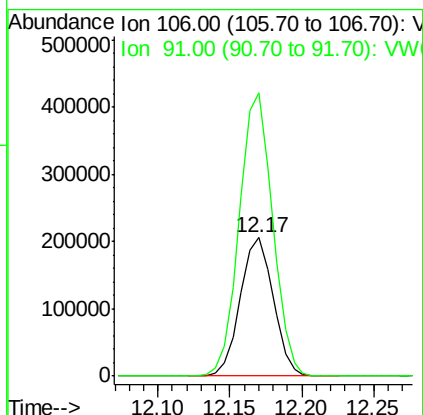
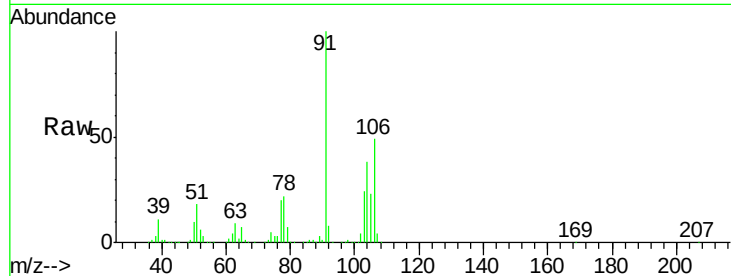




#54
o-Xylene
Concen: 24.719 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

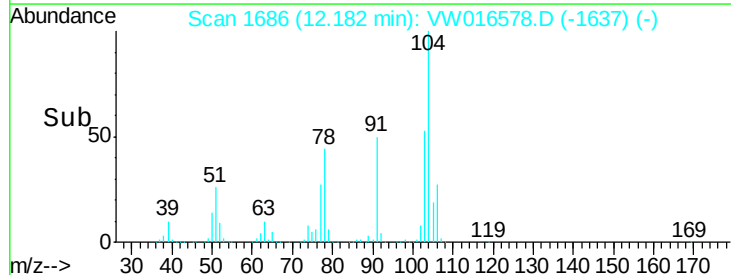
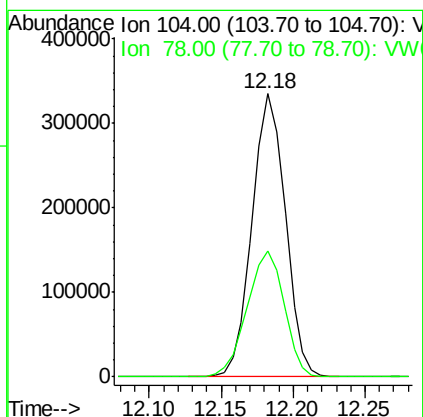
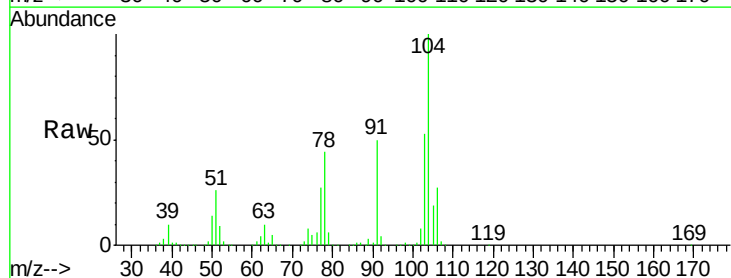
Instrument :
MSVOA_W
ClientSampled :
VSTD025101

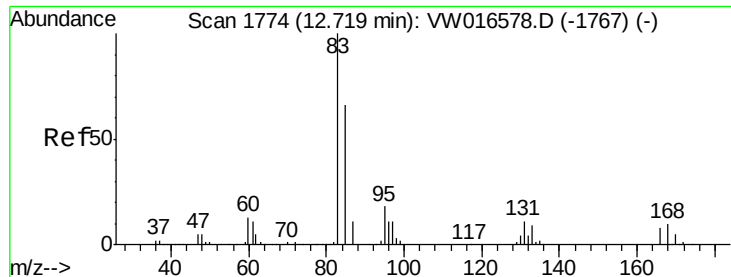
Tgt Ion:106 Resp: 328451
Ion Ratio Lower Upper
106 100
91 204.8 143.4 266.2



#55
Styrene
Concen: 24.245 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion:104 Resp: 536399
Ion Ratio Lower Upper
104 100
78 44.5 31.1 57.9

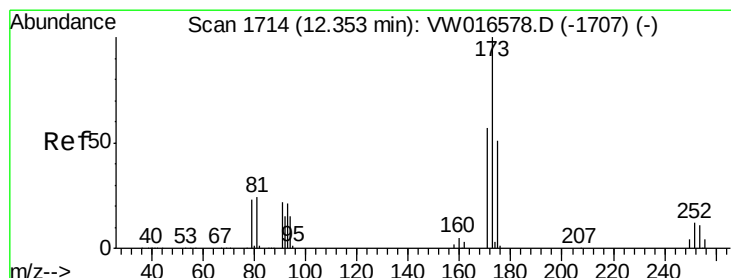
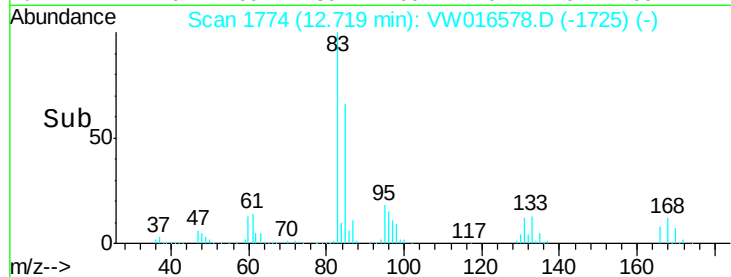
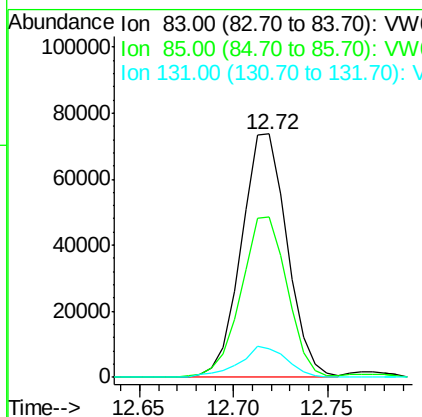
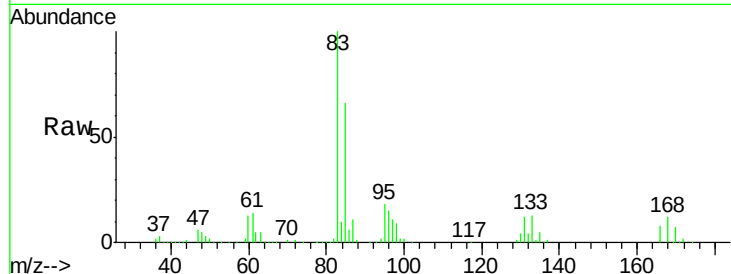




#57
 1,1,2,2-Tetrachloroethane
 Concen: 21.922 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

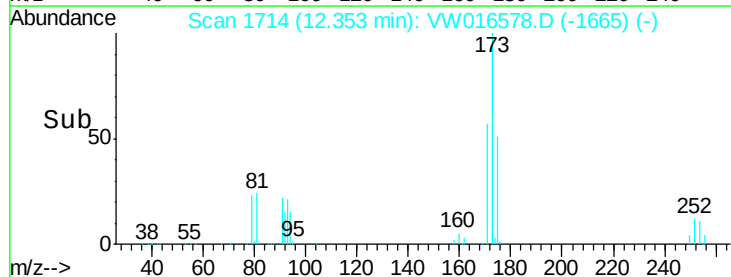
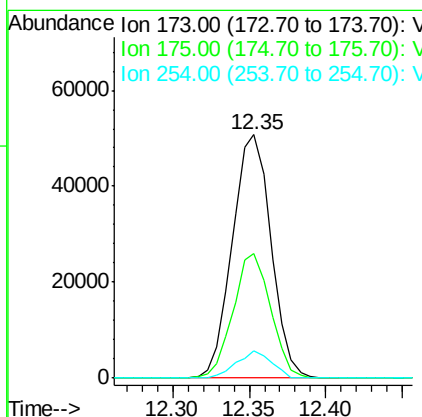
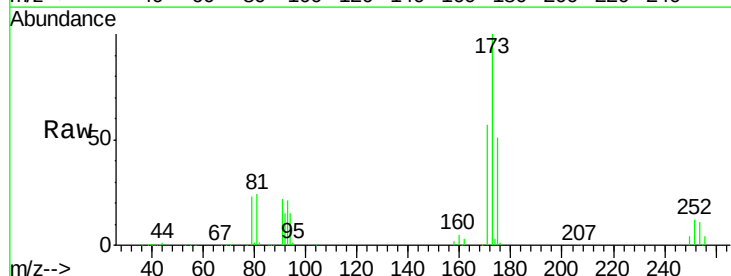
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

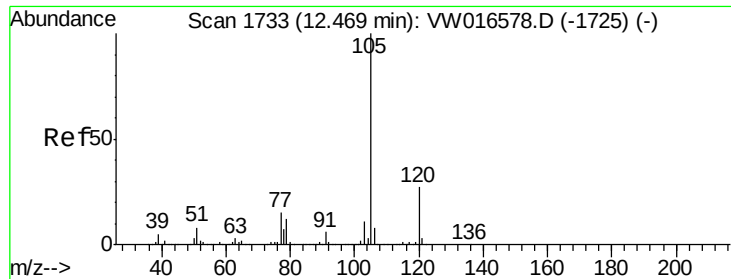
Tgt Ion: 83 Resp: 124181
 Ion Ratio Lower Upper
 83 100
 85 66.1 46.3 85.9
 131 11.6 9.3 13.9



#59
 Bromoform
 Concen: 22.258 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion: 173 Resp: 89117
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.7 59.5
 254 10.2 8.2 12.2





#60

Isopropylbenzene

Concen: 24.666 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025101

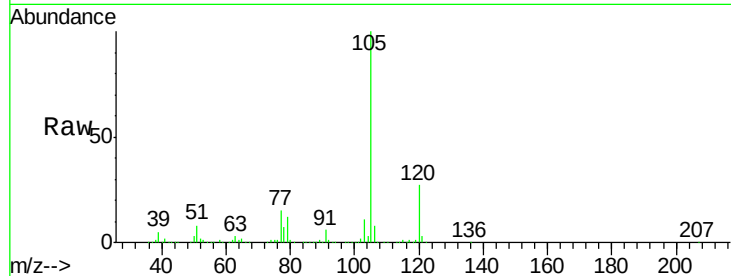
Tgt Ion: 105 Resp: 893190

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

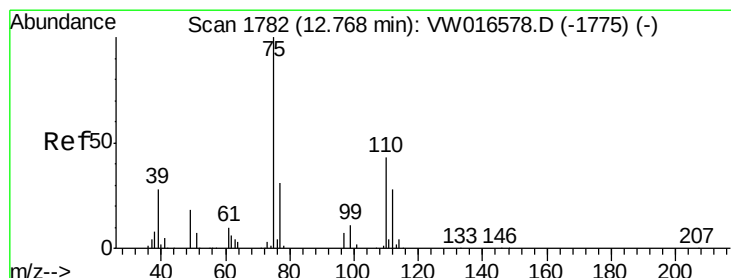
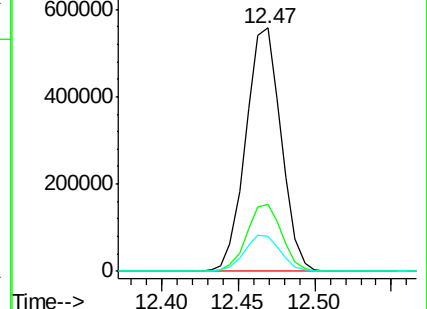
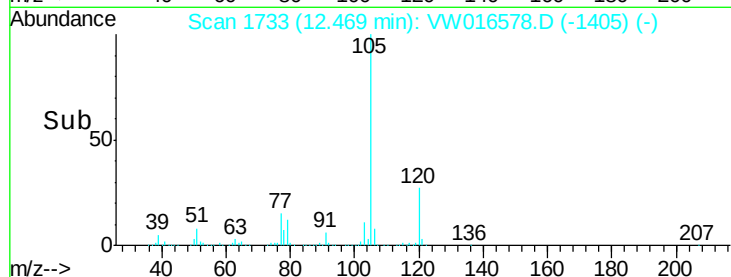
77 15.1 12.1 18.1



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



#61

1,2,3-Trichloropropane

Concen: 21.784 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

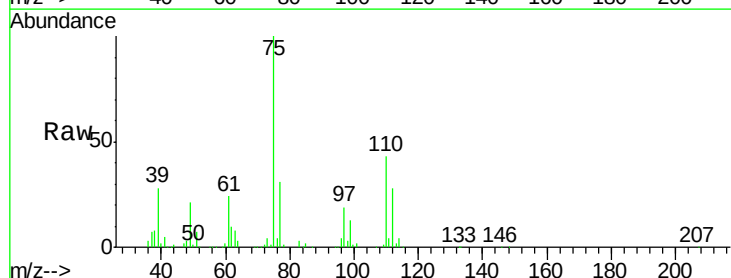
Tgt Ion: 75 Resp: 89038

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

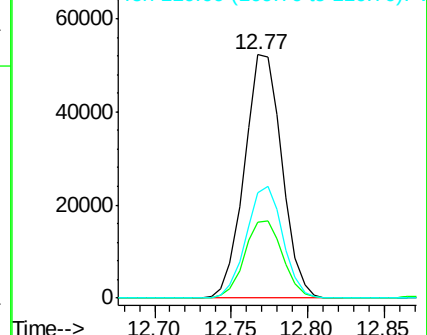
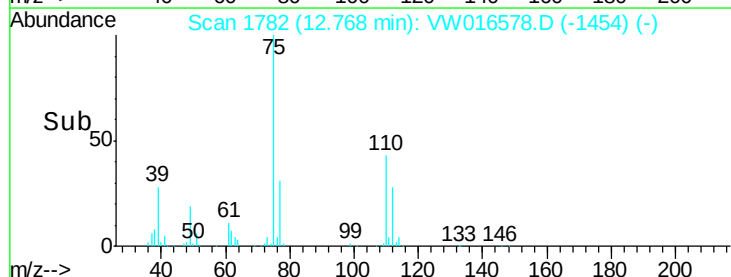
110 44.8 35.8 53.8

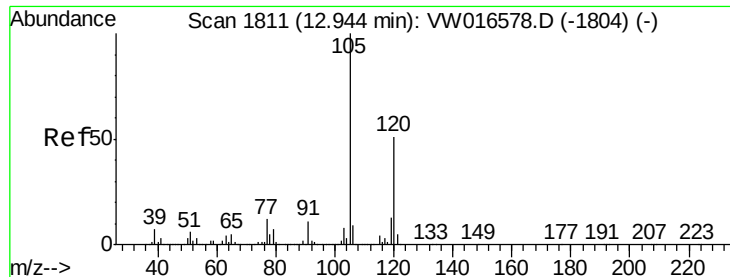


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

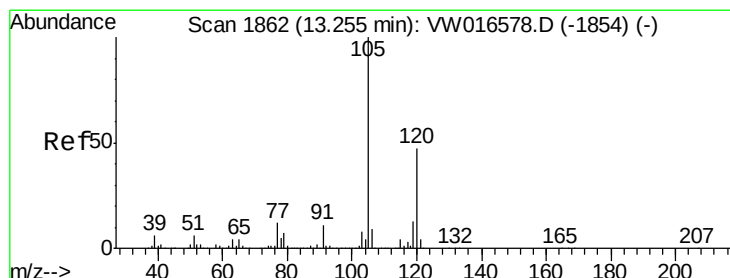
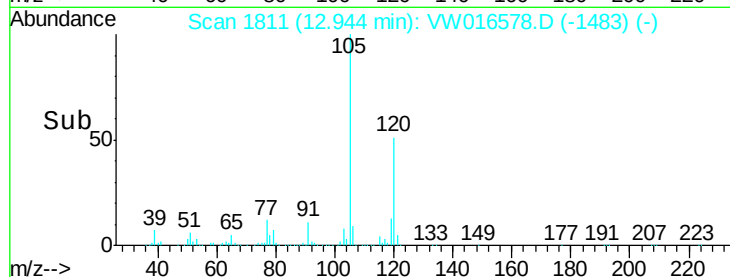
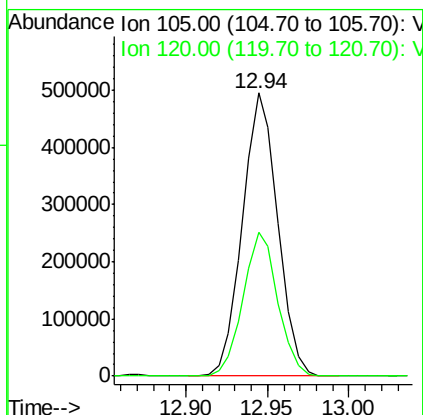
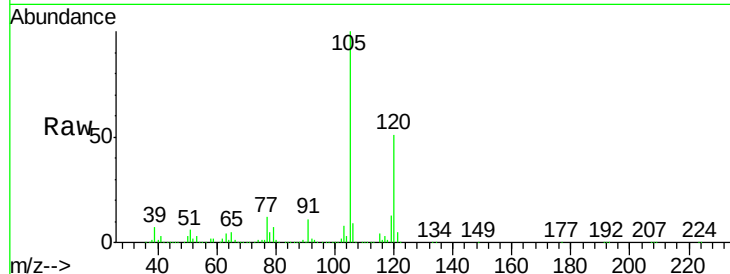




#62
 1,3,5-Trimethylbenzene
 Concen: 25.009 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

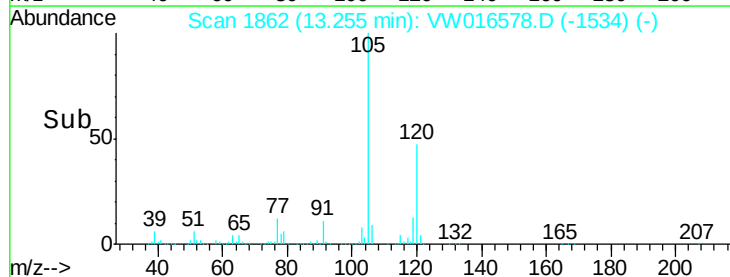
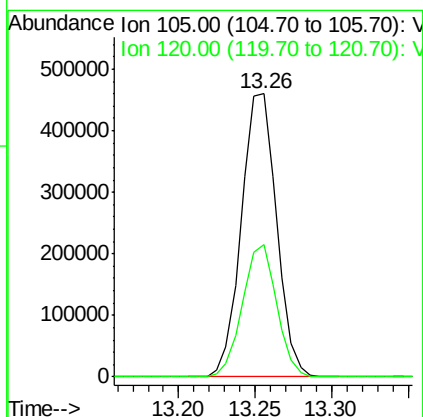
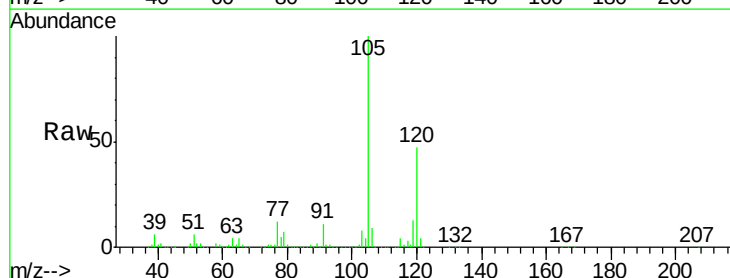
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

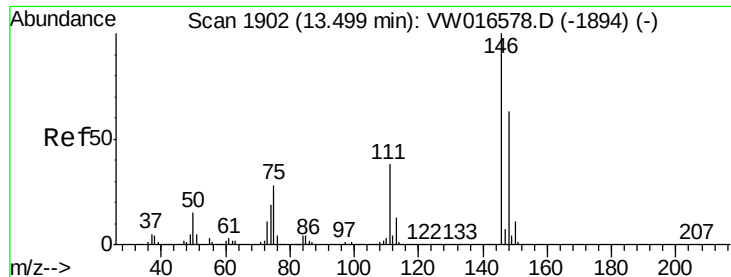
Tgt Ion:105 Resp: 745274
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 24.846 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion:105 Resp: 735889
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.4 54.6

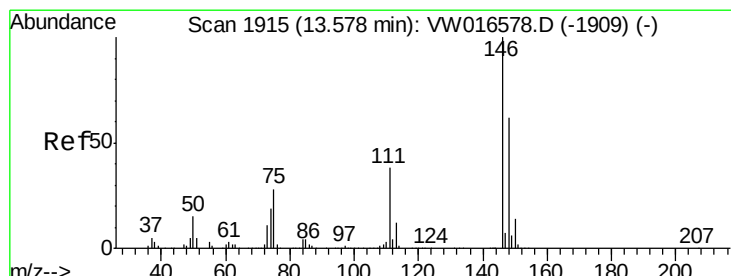
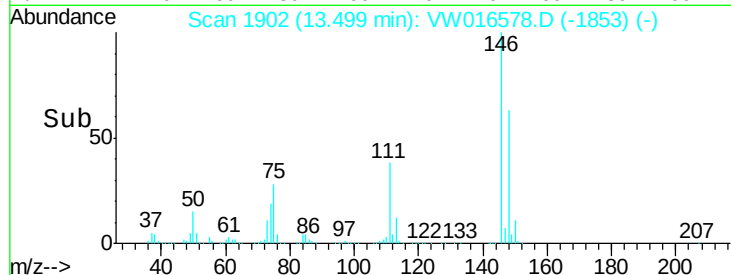
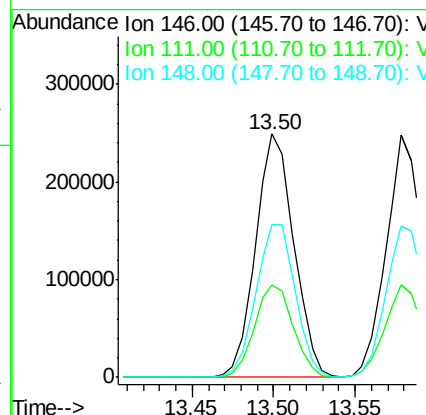
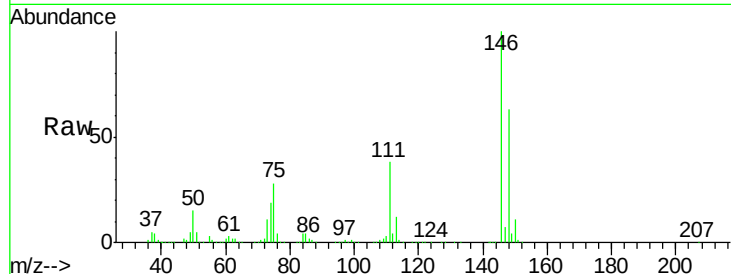




#64
 1,3-Dichlorobenzene
 Concen: 24.350 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

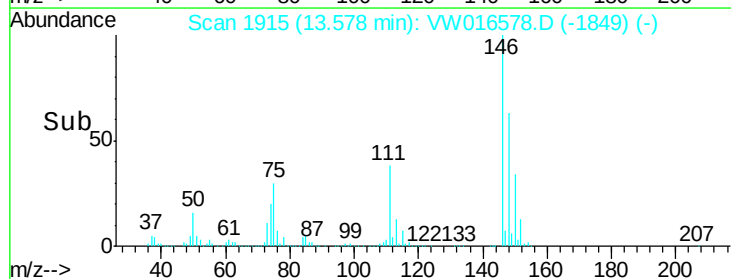
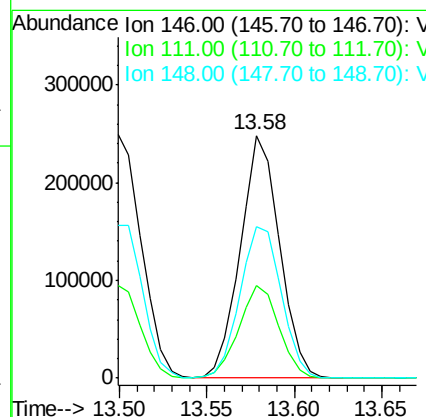
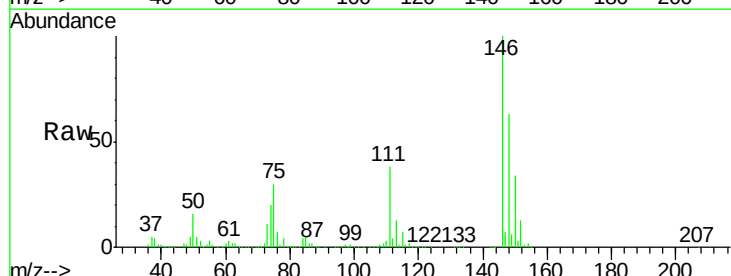
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025101

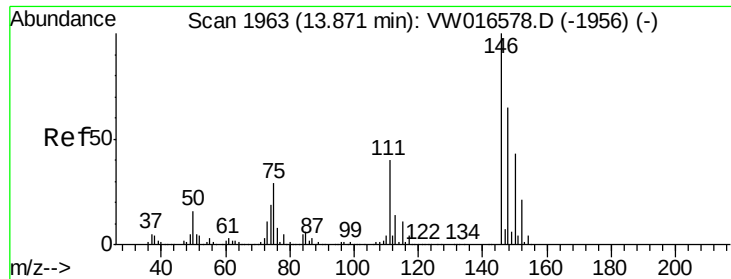
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.3
148	62.9	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 23.778 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.3
148	62.6	43.8	81.4

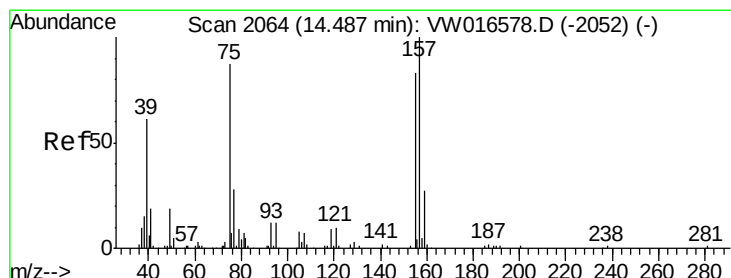
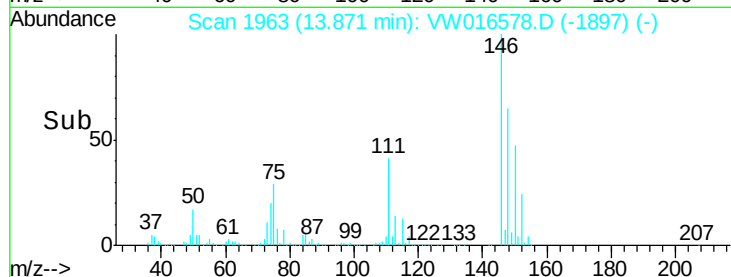
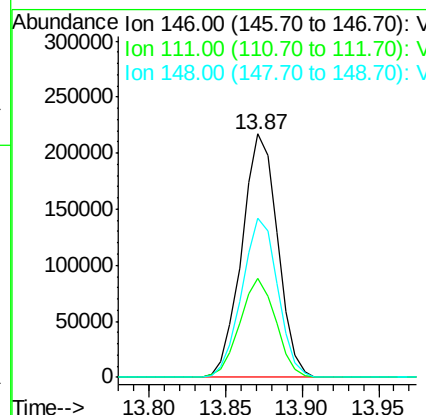
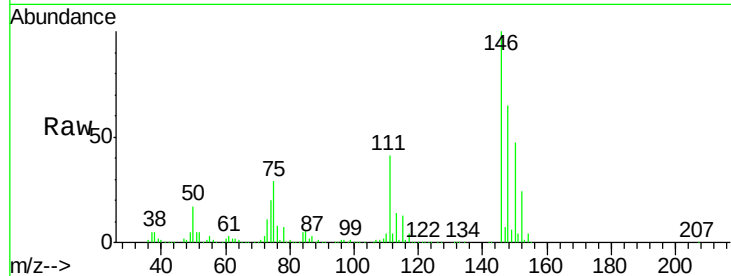




#67
 1,2-Dichlorobenzene
 Concen: 23.960 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

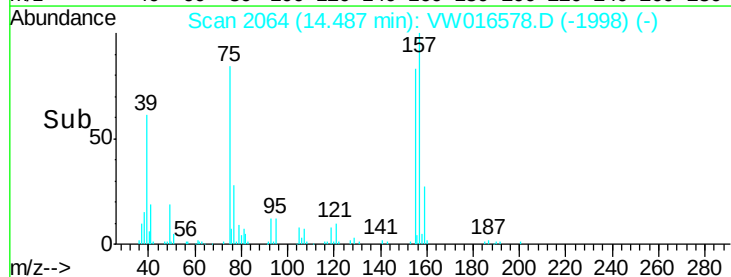
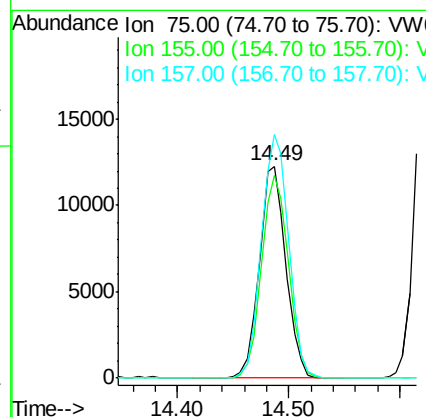
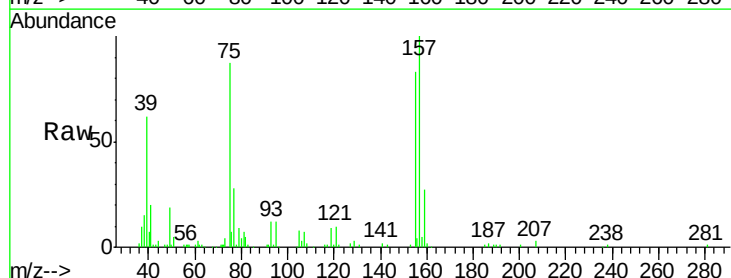
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD025101

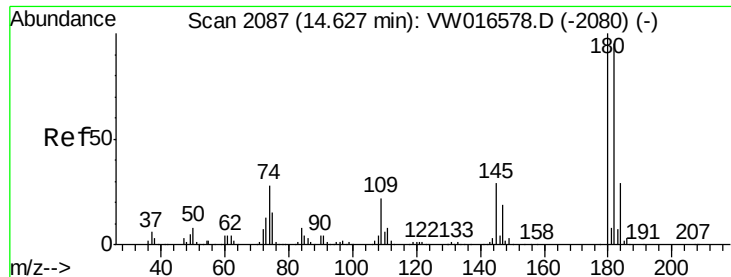
Tgt Ion: 146 Resp: 352283
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.4 48.6
 148 65.2 52.2 78.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 21.216 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016578.D
 Acq: 18 Sep 2020 10:58

Tgt Ion: 75 Resp: 20383
 Ion Ratio Lower Upper
 75 100
 155 95.8 76.6 115.0
 157 115.0 92.0 138.0





#69

1,3,5-Trichlorobenzene

Concen: 24.328 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025101

Tgt Ion:180 Resp: 298419

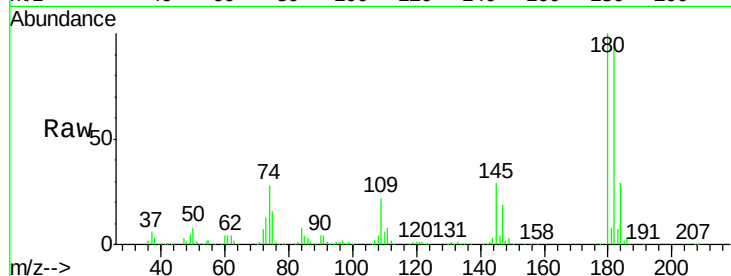
Ion Ratio Lower Upper

180 100

182 98.7 79.0 118.4

184 30.7 24.6 36.8

145 29.0 23.2 34.8

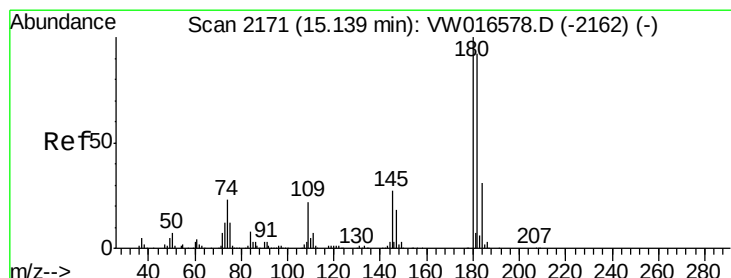
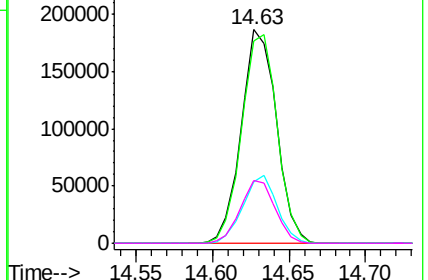
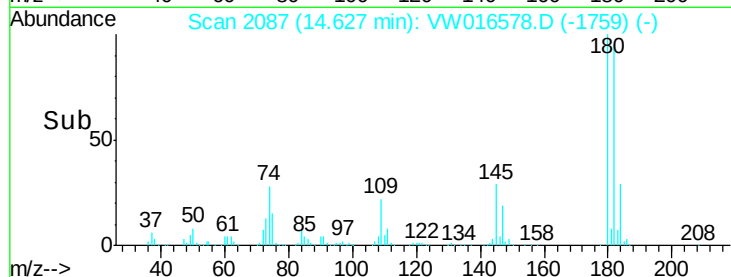


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70

1,2,4-trichlorobenzene

Concen: 24.347 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW016578.D

Acq: 18 Sep 2020 10:58

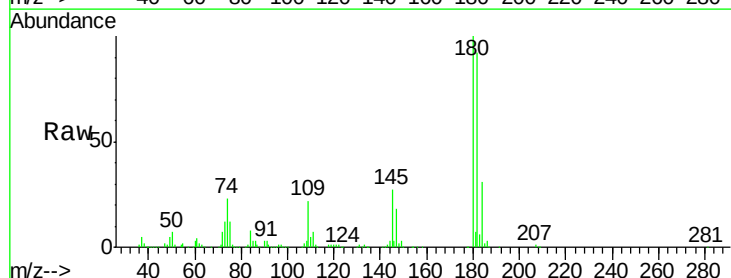
Tgt Ion:180 Resp: 241191

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

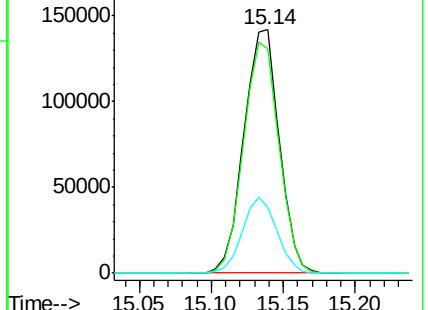
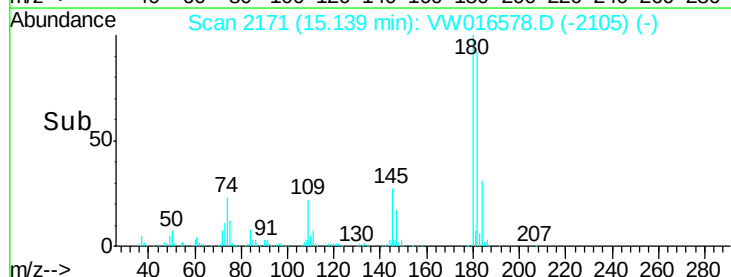
145 30.1 24.1 36.1

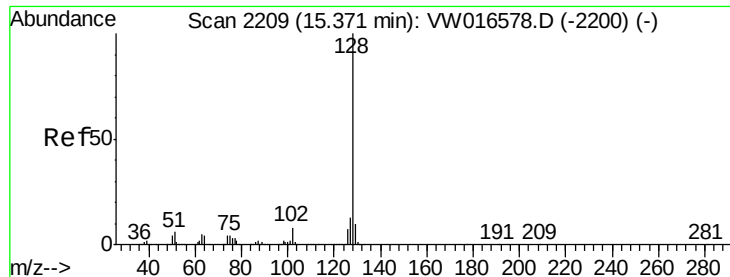


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

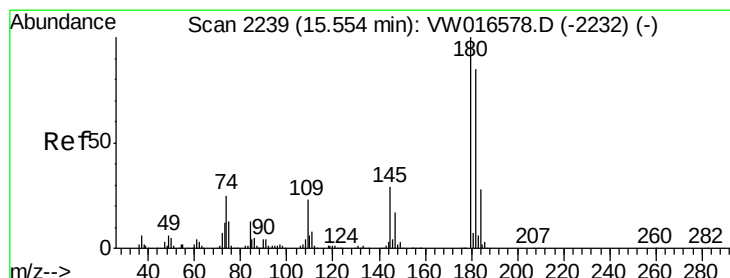
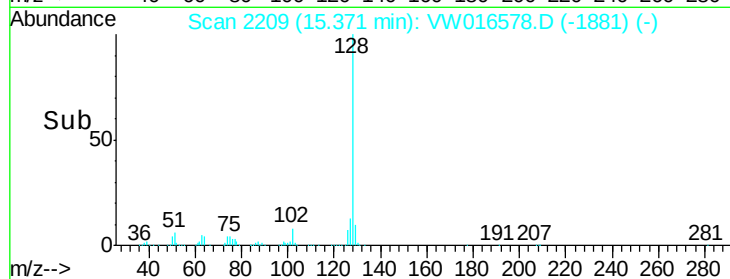
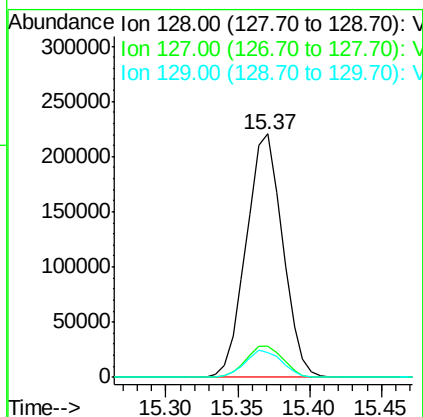
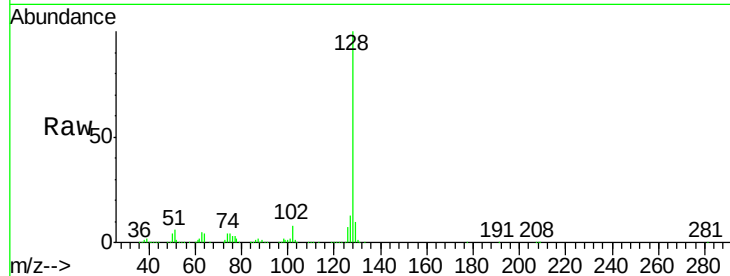




#71
Naphthalene
Concen: 23.242 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD025101

Tgt Ion:128 Resp: 386400
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.2 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 25.105 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW016578.D
Acq: 18 Sep 2020 10:58

Tgt Ion:180 Resp: 208822
Ion Ratio Lower Upper
180 100
182 94.4 75.5 113.3
145 30.4 24.3 36.5

