

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091520\
 Data File : VW016557.D
 Acq On : 15 Sep 2020 14:17
 Operator : SY/VA
 Sample : VSTD00505
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Quant Time: Sep 15 15:15:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 15:13:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	624739	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	545019	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	270318	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	33257	5.15	ug/L	0.00
7) Chloroethane-d5	2.90	69	26926	4.79	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.04	63	72672	4.94	ug/L	0.00
20) 2-Butanone-d5	7.09	46	18539	8.54	ug/L	0.00
24) Chloroform-d	7.66	84	72159	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	37284	4.96	ug/L	0.00
29) Benzene-d6	8.28	84	139774	5.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	37391	4.93	ug/L	0.00
37) Toluene-d8	10.33	98	136017	5.43	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	18034	4.72	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12838	8.50	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31316	4.90	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	50079	5.59	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.23	50	27607	4.613 ug/L	98
5) Vinyl chloride	2.37	62	43758	5.580 ug/L	97
6) Bromomethane	2.79	94	32053	5.460 ug/L	99
8) Chloroethane	2.94	64	25470	5.338 ug/L	97
9) Trichlorofluoromethane	3.28	101	40805	6.010 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	42121	5.533 ug/L	97
12) 1,1-Dichloroethene	4.06	96	40984	5.356 ug/L	92
13) Acetone	4.14	43	12738	8.509 ug/L	98
14) Carbon disulfide	4.40	76	122691	5.257 ug/L	99
15) Methyl Acetate	4.68	43	15091	4.273 ug/L	98
16) Methylene chloride	4.93	84	55793	5.767 ug/L	97
17) Methyl tert-butyl Ether	5.44	73	56847	5.029 ug/L	99
18) trans-1,2-Dichloroethene	5.44	96	42132	5.200 ug/L	97
19) 1,1-Dichloroethane	6.23	63	66435	4.885 ug/L	96
21) 2-Butanone	7.18	43	23361	9.522 ug/L	85
22) cis-1,2-Dichloroethene	7.18	96	43497	5.170 ug/L	98
23) Bromochloromethane	7.52	128	21164	5.368 ug/L	95
25) Chloroform	7.68	83	74072	5.214 ug/L	98
27) 1,2-Dichloroethane	8.41	62	46617	4.969 ug/L	99
30) Cyclohexane	7.96	56	63278	5.009 ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	67594	5.699 ug/L	99
32) Carbon tetrachloride	8.07	117	64464	5.703 ug/L	99
34) Benzene	8.33	78	154411	5.291 ug/L	100
35) Trichloroethene	9.10	95	44313	5.428 ug/L	99
36) Methylcyclohexane	9.34	83	75615	5.317 ug/L	99
40) 1,2-Dichloropropane	9.37	63	35385	4.963 ug/L	100
41) Bromodichloromethane	9.65	83	52232	5.181 ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	59805	4.917 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	44862	9.078 ug/L	99
44) Toluene	10.40	91	175208	5.366 ug/L	98

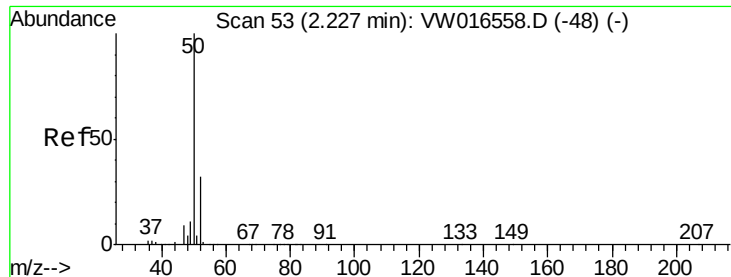
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091520\
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 15:13:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	51095	4.733	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	29814	5.211	ug/L	97
47) Tetrachloroethene	10.87	164	39300	5.834	ug/L	91
49) 2-Hexanone	10.98	43	26469	7.722	ug/L	98
50) Dibromochloromethane	11.13	129	37310	5.111	ug/L	95
51) 1,2-Dibromoethane	11.24	107	29933	5.236	ug/L	99
52) Chlorobenzene	11.66	112	116321	5.545	ug/L	99
53) Ethylbenzene	11.74	91	196126	5.317	ug/L	100
54) m,p-Xylene	11.84	106	76322	5.377	ug/L	98
55) o-xylene	12.17	106	72638	5.371	ug/L	98
56) Styrene	12.18	104	120597	5.220	ug/L	100
57) Isopropylbenzene	12.47	105	199635	5.372	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	32358	4.781	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	24328	4.811	ug/L	99
62) Bromoform	12.35	173	22242	4.939	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	90846	5.338	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	91446	5.442	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	83790	5.554	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5643	4.163	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	65976	5.528	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	52480	5.085	ug/L	98
69) Naphthalene	15.37	128	84974	4.064	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	44130	4.985	ug/L	98

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



#3

Chloromethane

Concen: 4.613 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

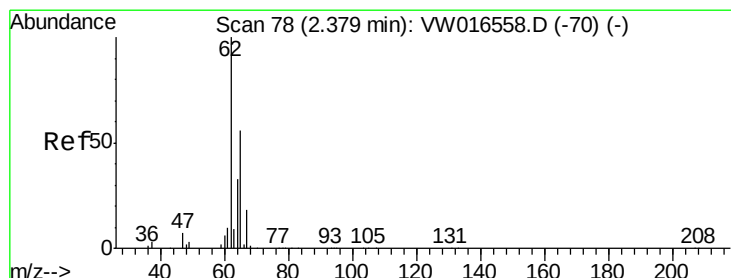
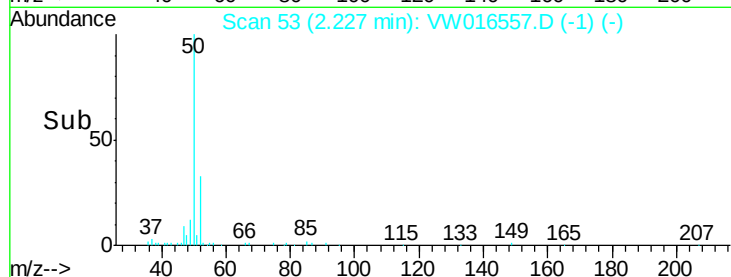
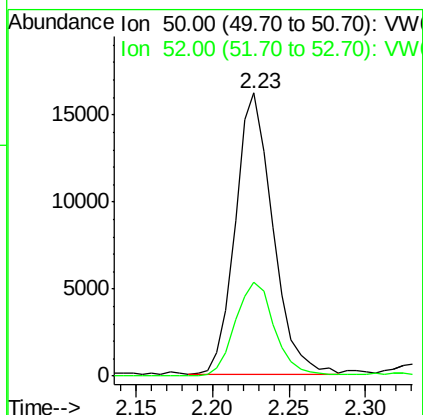
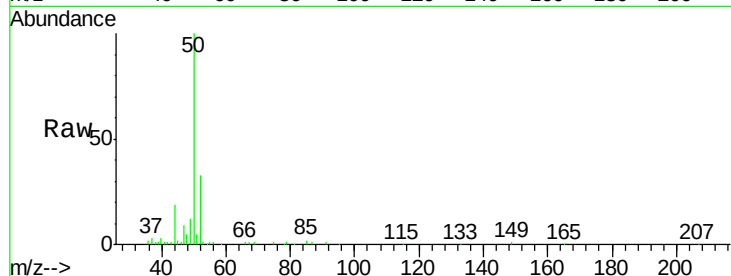
VSTD00505

Tgt Ion: 50 Resp: 27607

Ion Ratio Lower Upper

50 100

52 33.2 22.4 41.6



#5

Vinyl chloride

Concen: 5.580 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016557.D

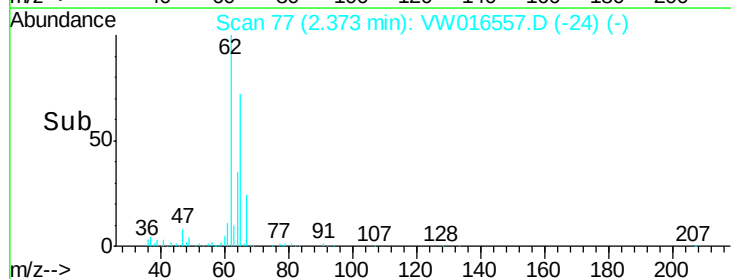
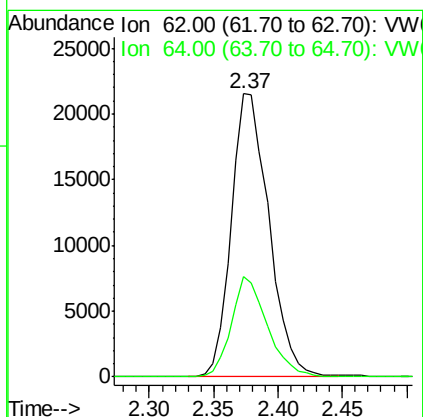
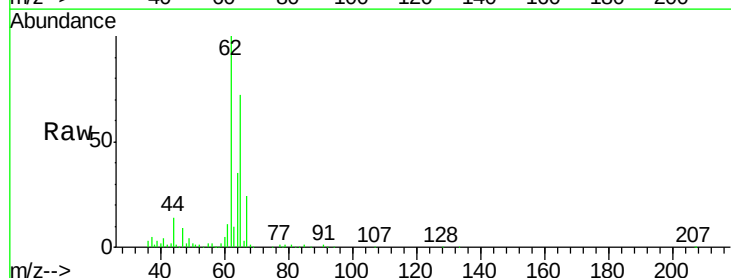
Acq: 15 Sep 2020 14:17

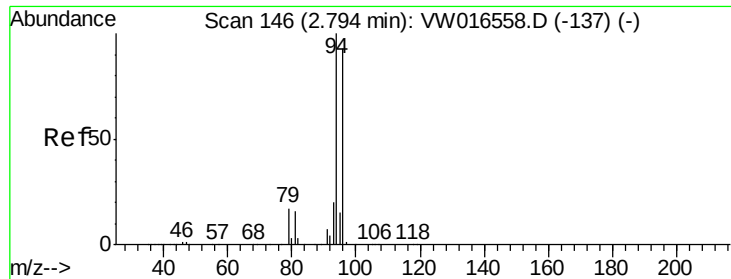
Tgt Ion: 62 Resp: 43758

Ion Ratio Lower Upper

62 100

64 35.2 23.4 43.4





#6

Bromomethane

Concen: 5.460 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

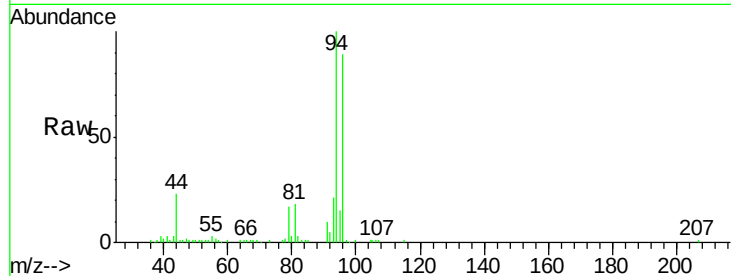
VSTD00505

Tgt Ion: 94 Resp: 32053

Ion Ratio Lower Upper

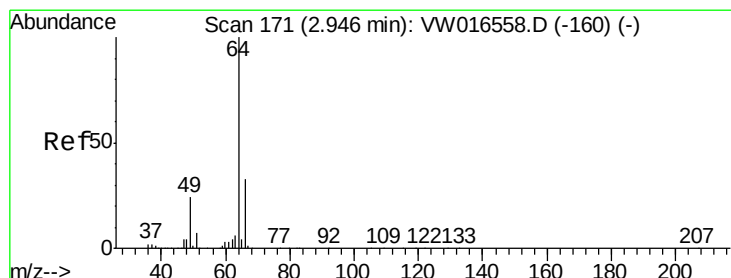
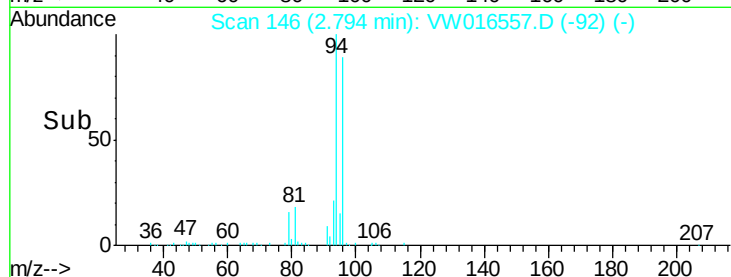
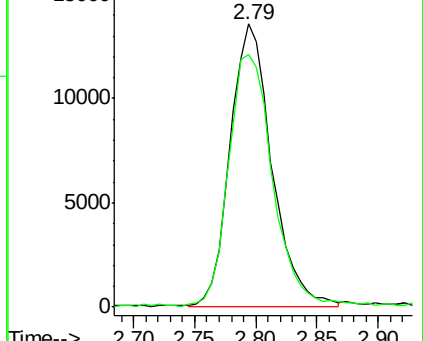
94 100

96 94.1 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW



#8

Chloroethane

Concen: 5.338 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016557.D

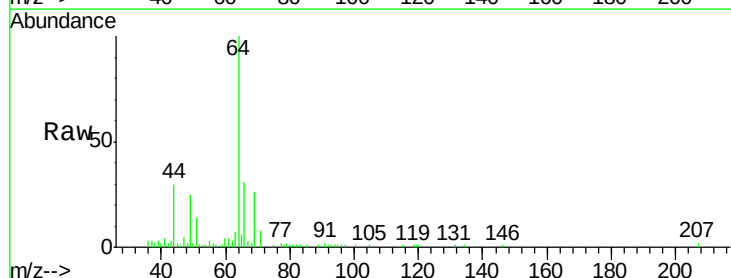
Acq: 15 Sep 2020 14:17

Tgt Ion: 64 Resp: 25470

Ion Ratio Lower Upper

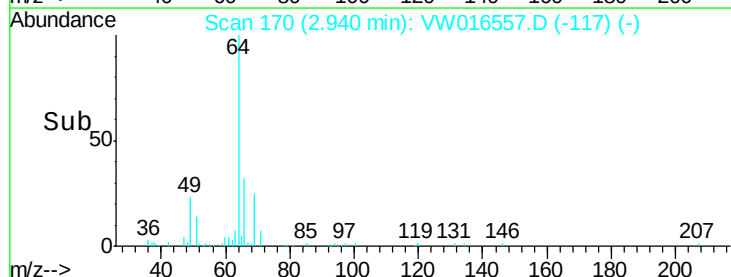
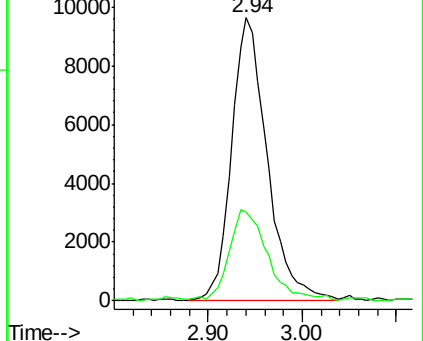
64 100

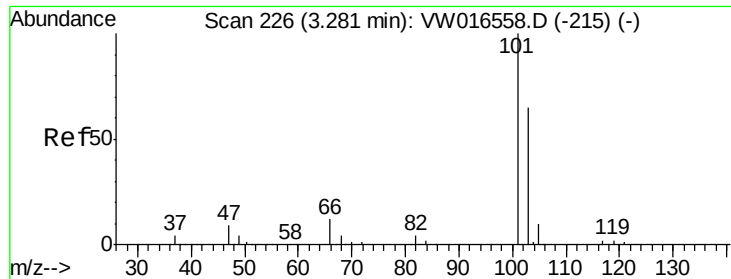
66 31.5 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



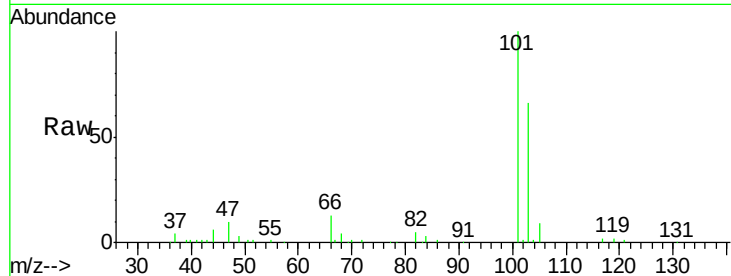


#9

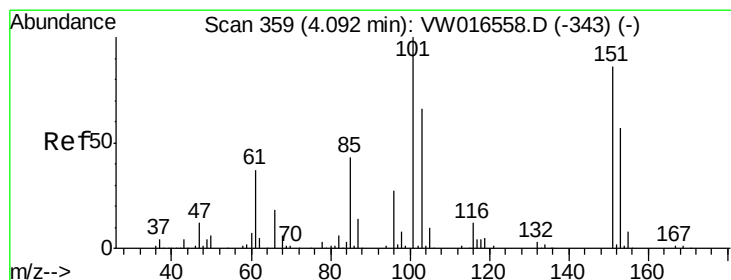
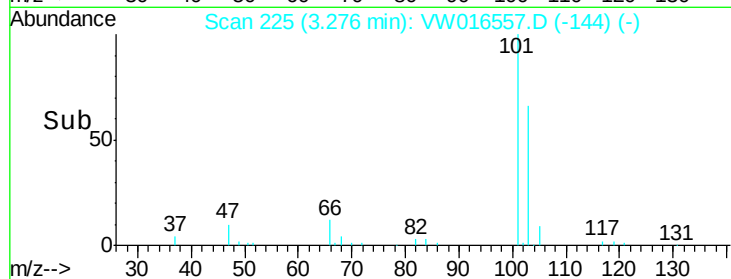
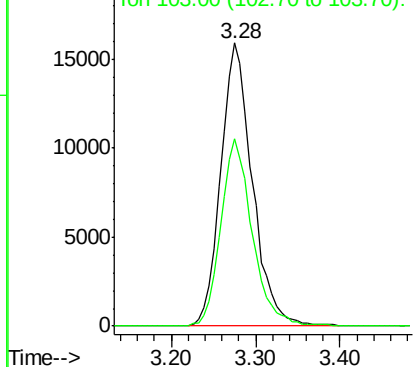
Trichlorofluoromethane
 Concen: 6.010 ug/L
 RT: 3.28 min Scan# 225
 Delta R.T. -0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Tgt Ion:101 Resp: 40805
 Ion Ratio Lower Upper
 101 100
 103 65.3 45.2 84.0



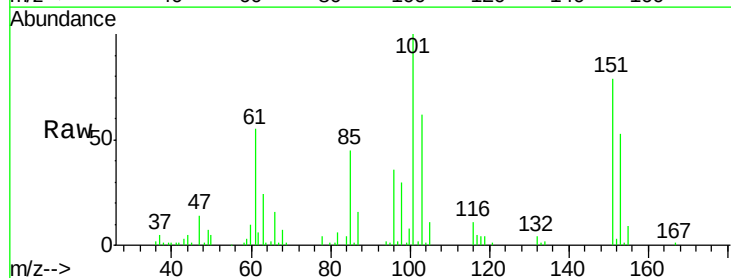
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



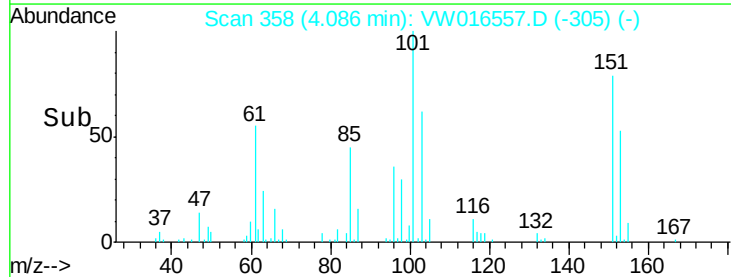
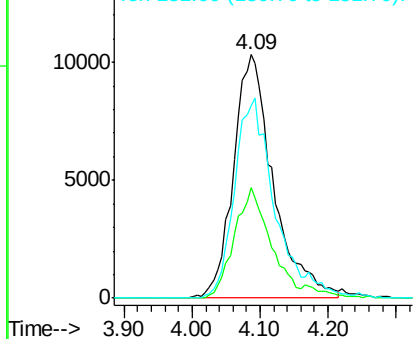
#11

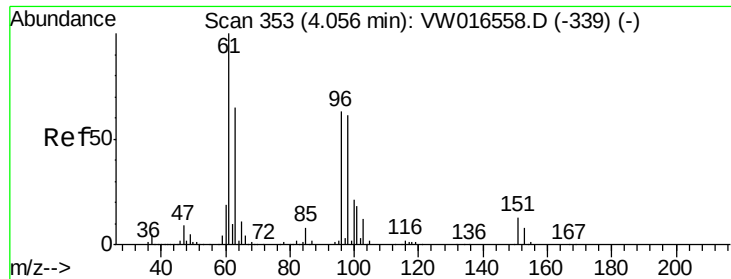
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.533 ug/L
 RT: 4.09 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion:101 Resp: 42121
 Ion Ratio Lower Upper
 101 100
 85 40.9 32.6 49.0
 151 78.7 66.0 99.0



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

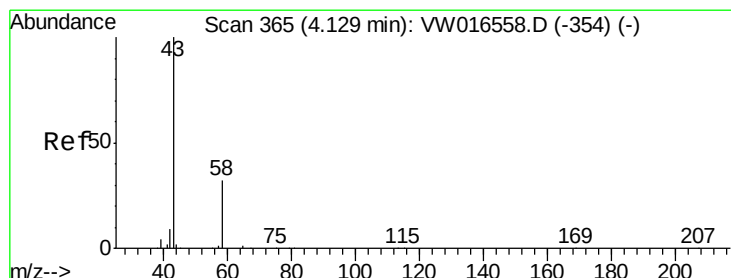
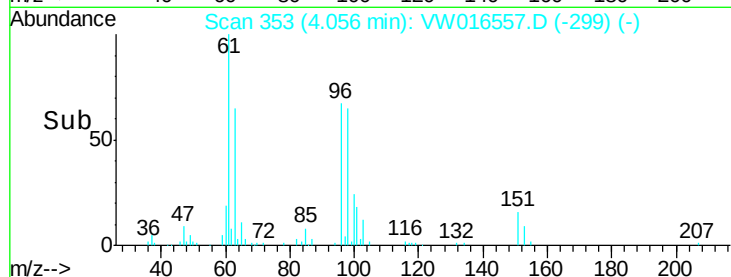
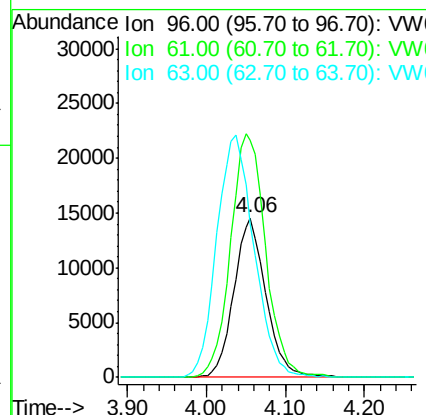
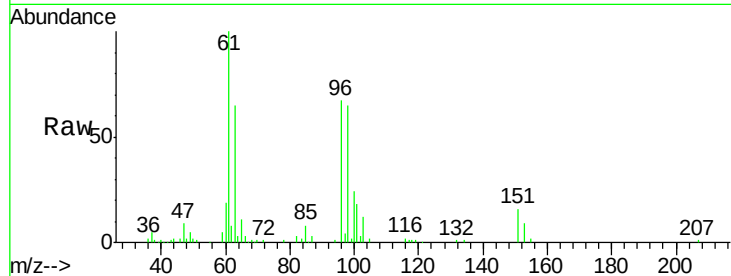




#12
 1,1-Dichloroethene
 Concen: 5.356 ug/L
 RT: 4.06 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

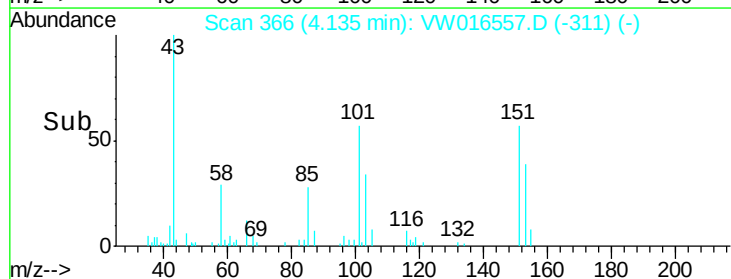
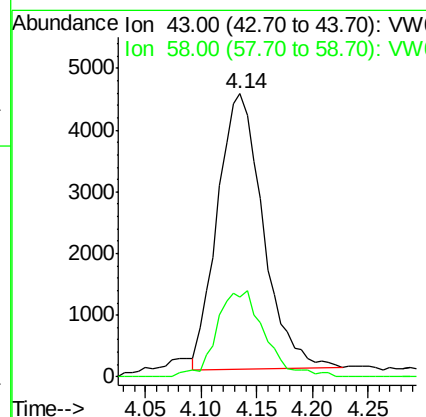
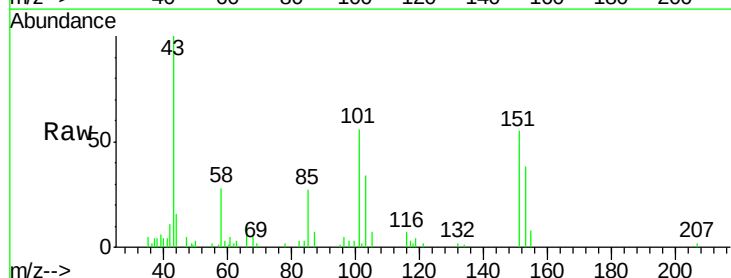
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

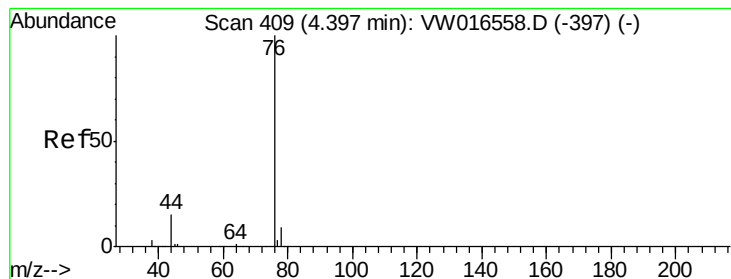
Tgt Ion: 96 Resp: 40984
 Ion Ratio Lower Upper
 96 100
 61 148.5 111.4 206.8
 63 96.7 73.0 135.6



#13
 Acetone
 Concen: 8.509 ug/L
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion: 43 Resp: 12738
 Ion Ratio Lower Upper
 43 100
 58 31.2 0.0 60.2





#14

Carbon disulfide

Concen: 5.257 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

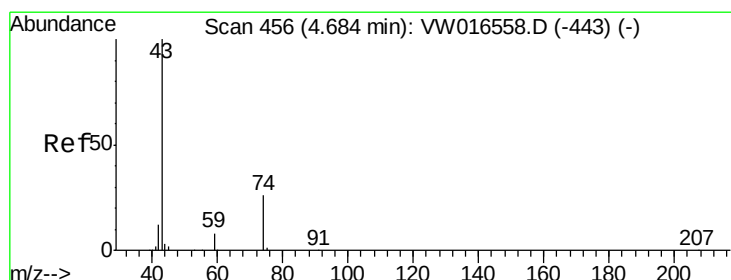
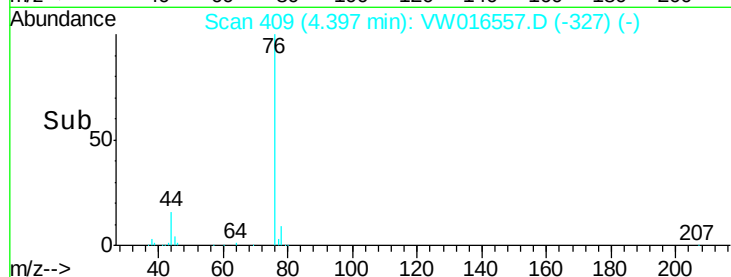
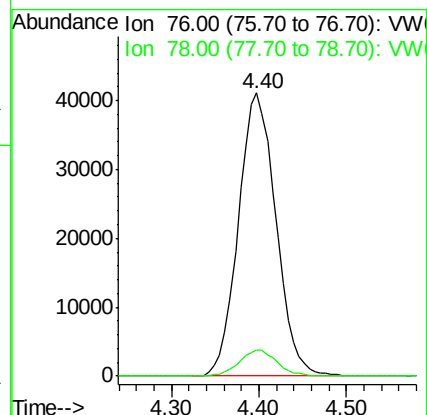
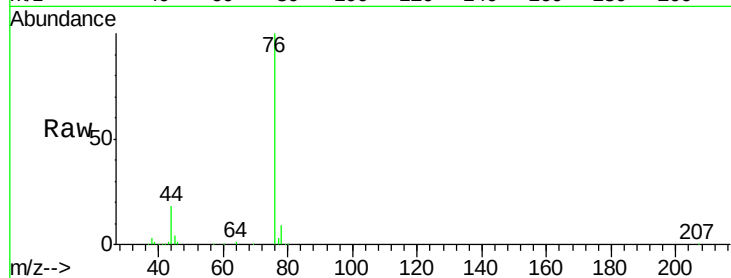
VSTD00505

Tgt Ion: 76 Resp: 122691

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#15

Methyl Acetate

Concen: 4.273 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW016557.D

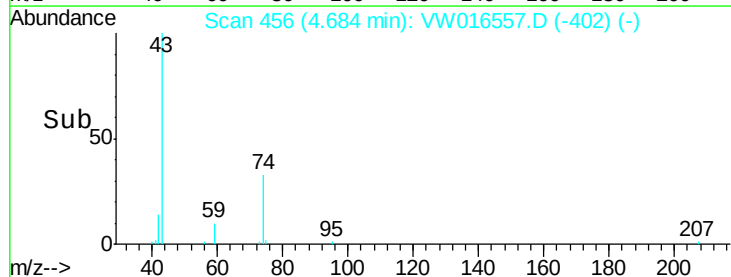
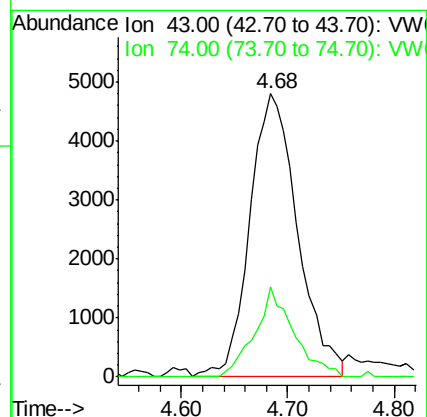
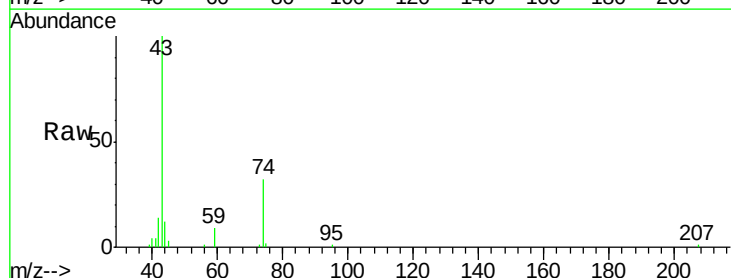
Acq: 15 Sep 2020 14:17

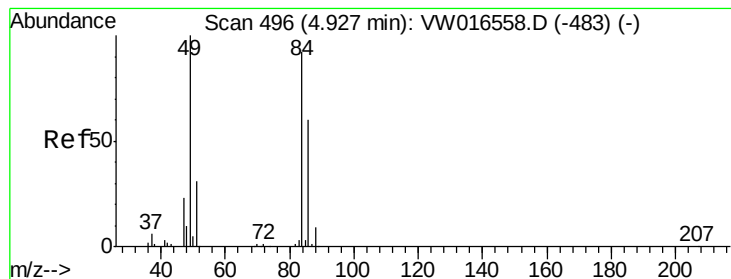
Tgt Ion: 43 Resp: 15091

Ion Ratio Lower Upper

43 100

74 25.8 21.5 32.3





#16

Methylene chloride

Concen: 5.767 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

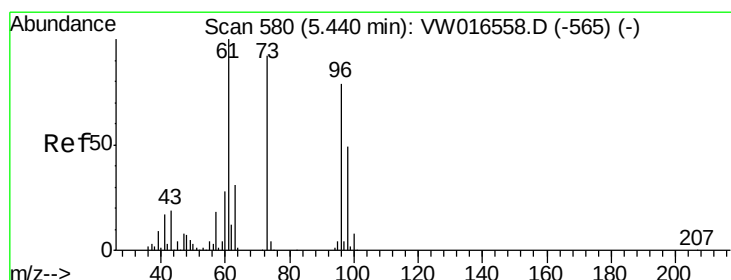
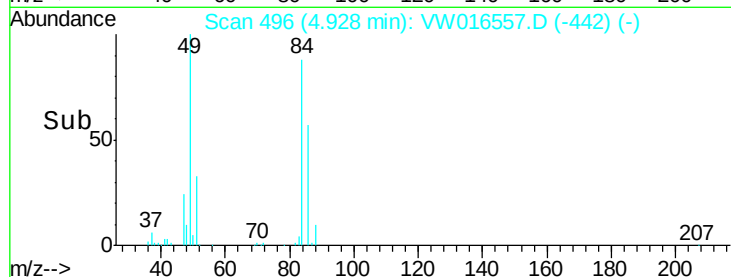
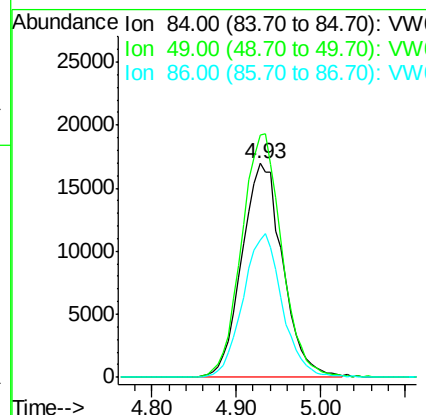
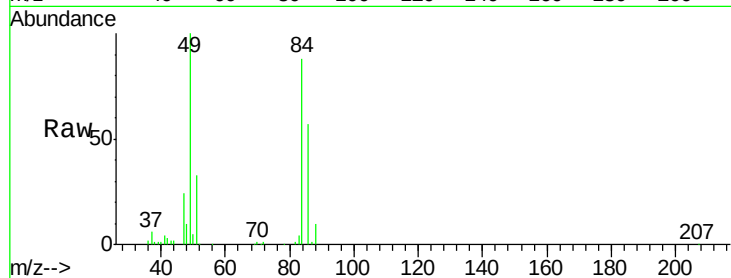
Tgt Ion: 84 Resp: 55793

Ion Ratio Lower Upper

84 100

49 113.6 76.0 141.2

86 64.5 45.6 84.6



#17

Methyl tert-butyl Ether

Concen: 5.029 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

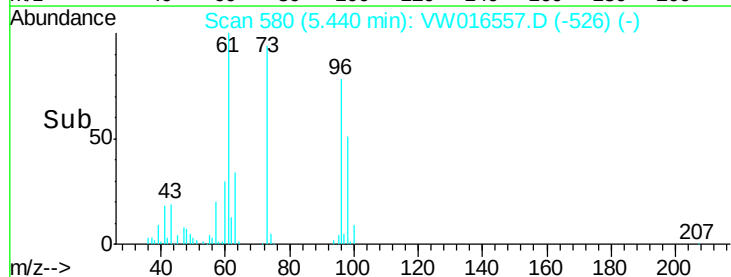
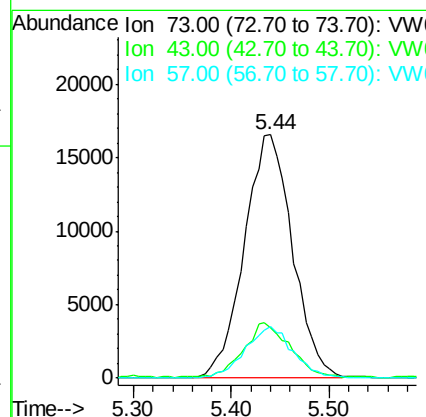
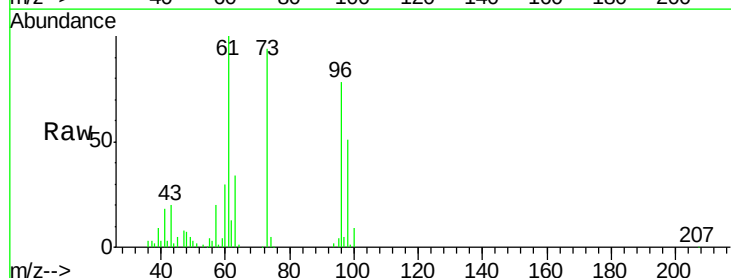
Tgt Ion: 73 Resp: 56847

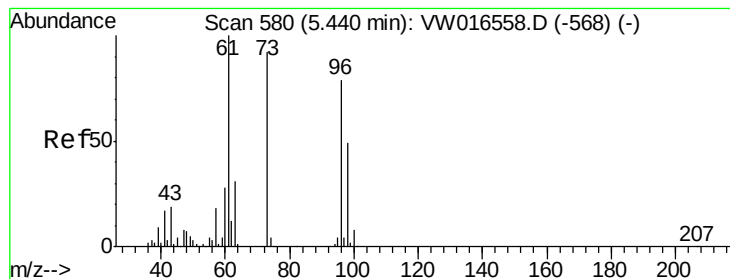
Ion Ratio Lower Upper

73 100

43 21.2 17.2 25.8

57 20.6 16.3 24.5





#18

trans-1,2-Dichloroethene

Concen: 5.200 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

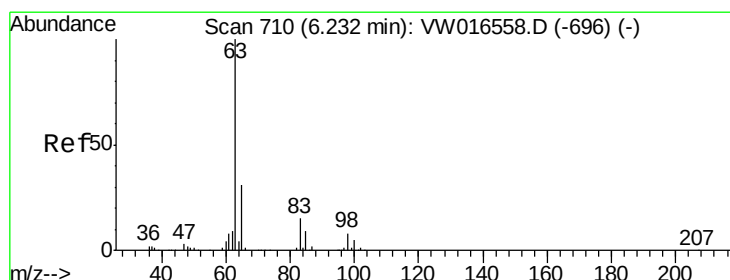
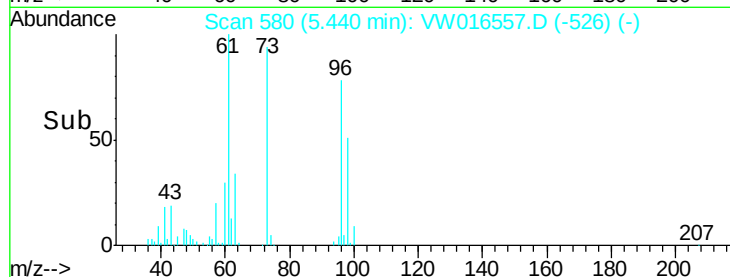
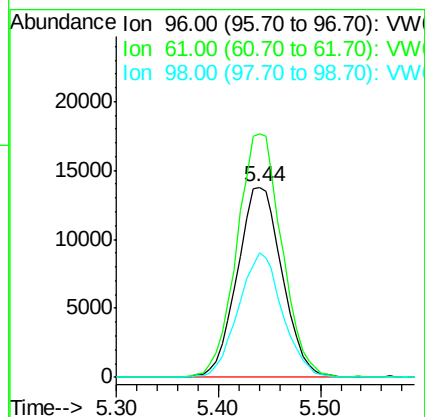
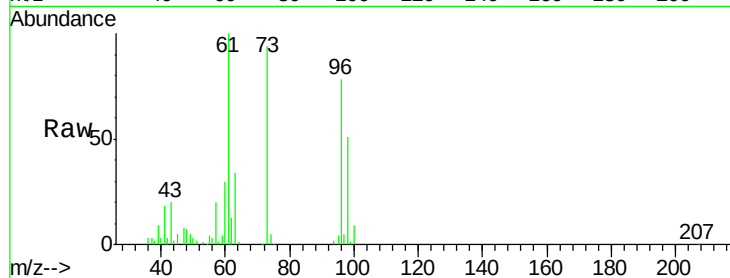
Tgt Ion: 96 Resp: 42132

Ion Ratio Lower Upper

96 100

61 128.1 88.4 164.2

98 65.7 43.0 80.0



#19

1,1-Dichloroethane

Concen: 4.885 ug/L

RT: 6.23 min Scan# 709

Delta R.T. -0.01 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

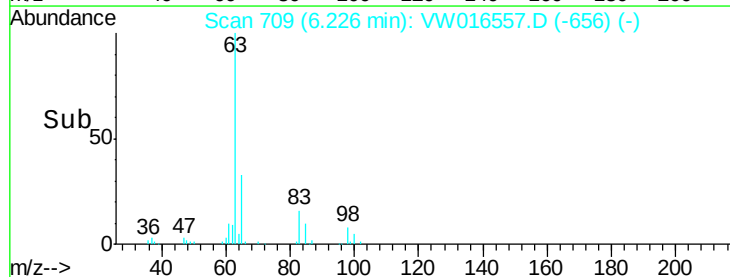
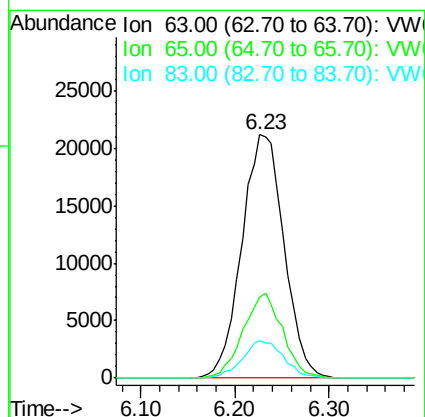
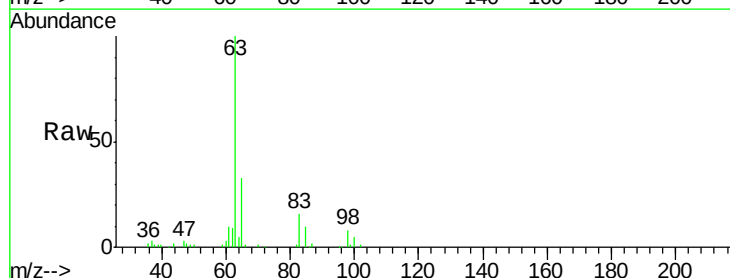
Tgt Ion: 63 Resp: 66435

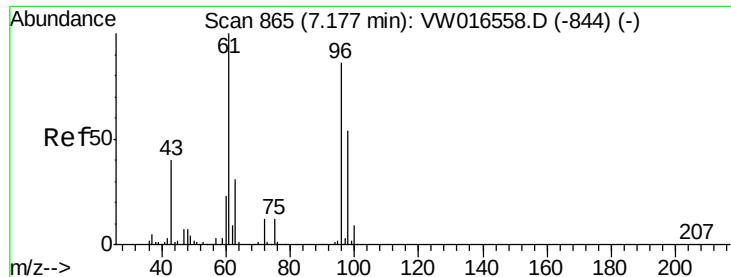
Ion Ratio Lower Upper

63 100

65 33.2 21.6 40.0

83 15.7 10.4 19.2





#21

2-Butanone

Concen: 9.522 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

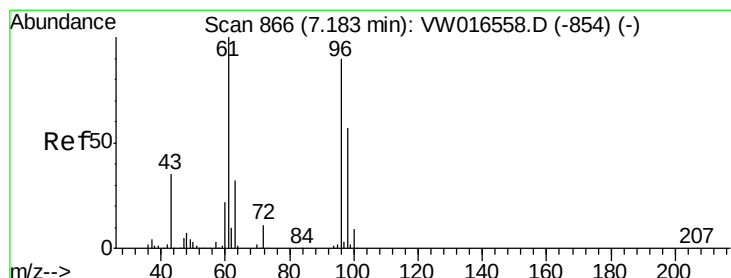
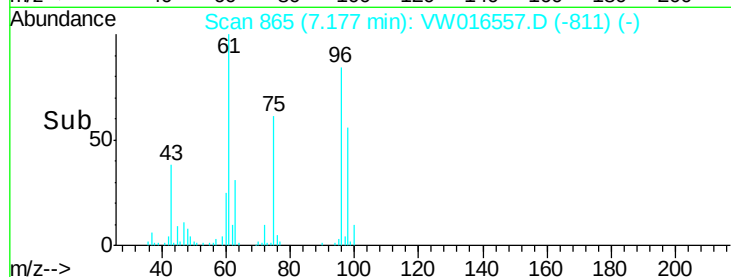
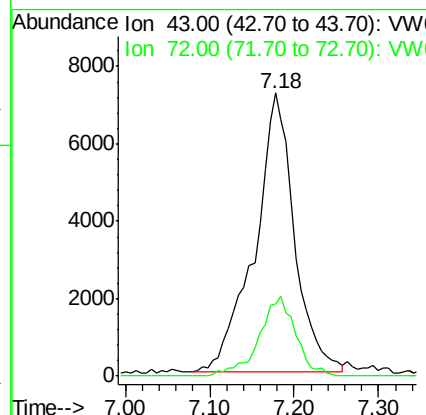
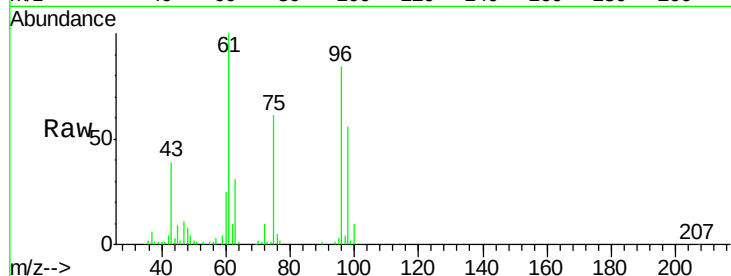
VSTD00505

Tgt Ion: 43 Resp: 23361

Ion Ratio Lower Upper

43 100

72 21.2 14.6 43.8



#22

cis-1,2-Dichloroethene

Concen: 5.170 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

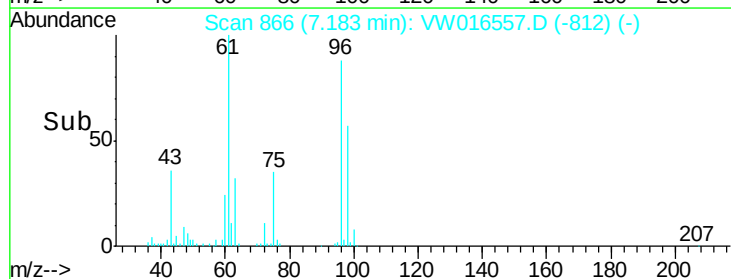
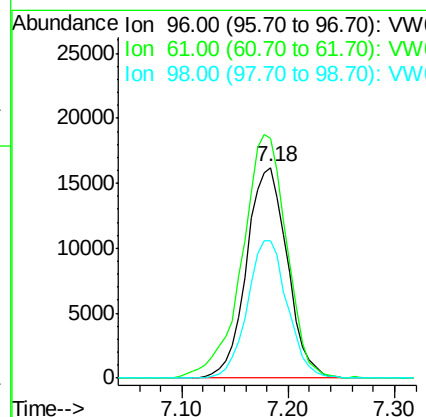
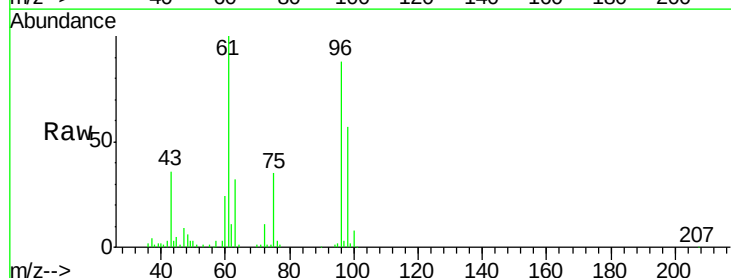
Tgt Ion: 96 Resp: 43497

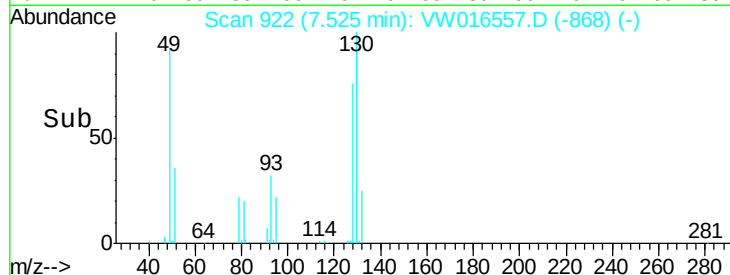
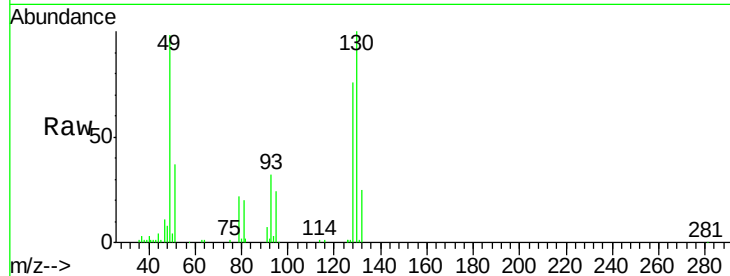
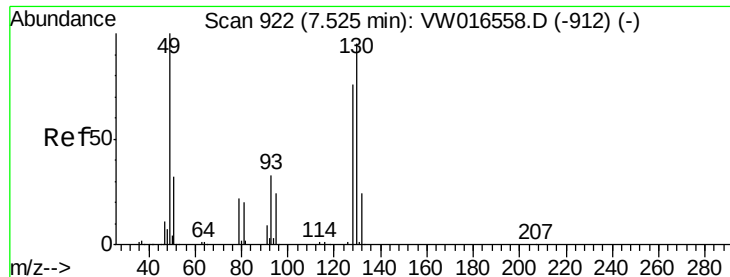
Ion Ratio Lower Upper

96 100

61 113.8 78.4 145.6

98 65.1 44.8 83.2

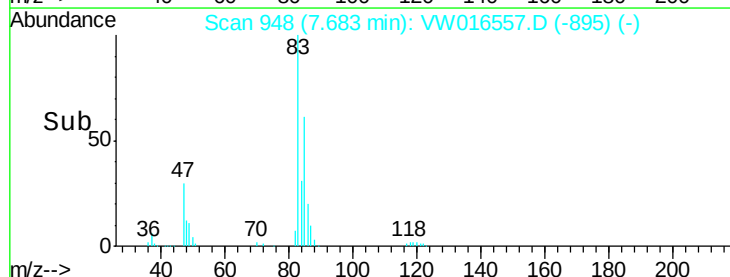
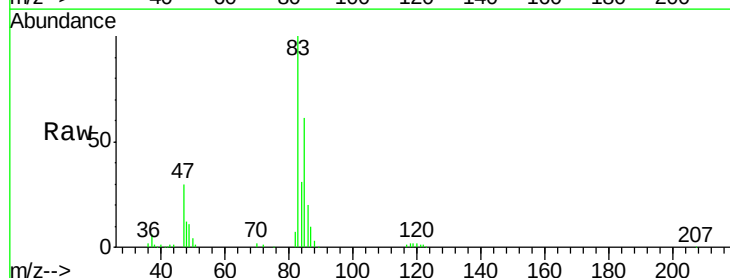
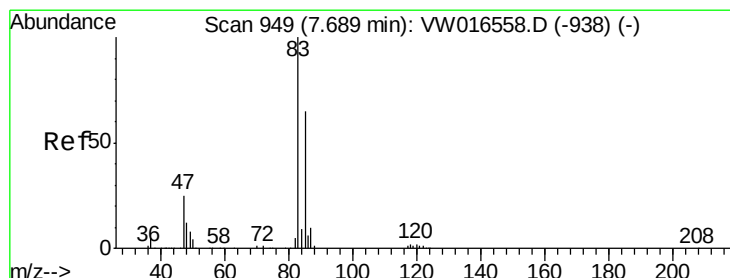
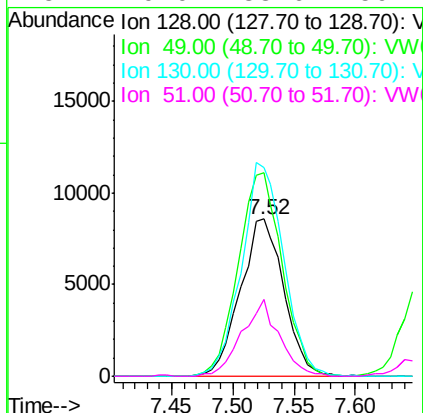




#23
Bromochloromethane
Concen: 5.368 ug/L
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

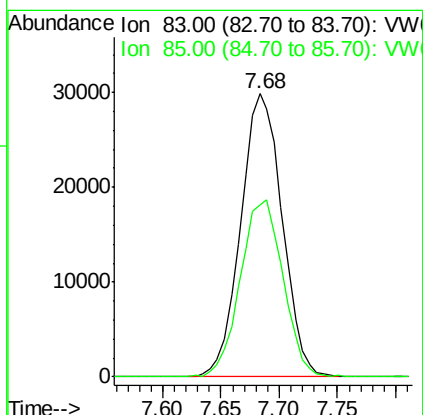
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

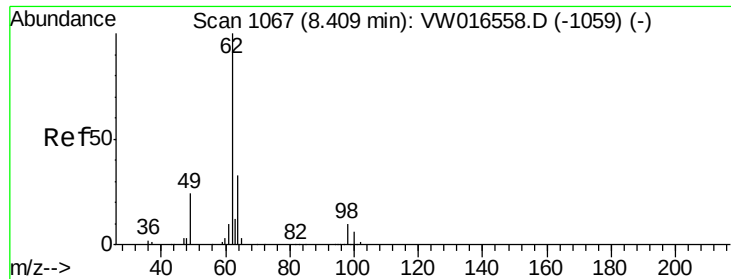
Tgt Ion:	128	Resp:	21164
Ion	Ratio	Lower	Upper
128	100		
49	129.2	92.1	171.1
130	132.4	87.8	163.0
51	49.0	33.6	50.4



#25
Chloroform
Concen: 5.214 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.01 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Tgt Ion:	83	Resp:	74072
Ion	Ratio	Lower	Upper
83	100		
85	64.1	46.1	85.5

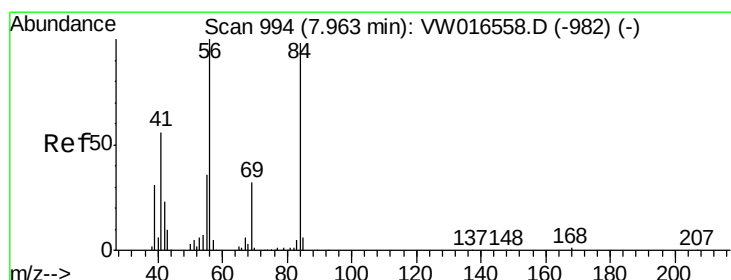
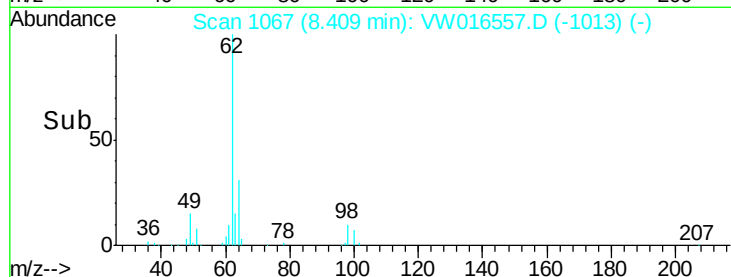
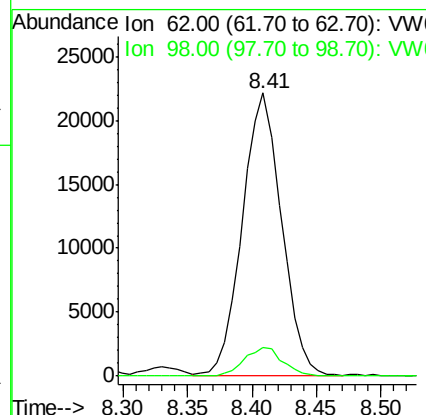
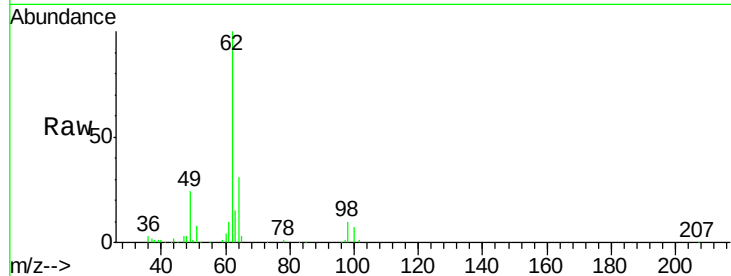




#27
 1,2-Dichloroethane
 Concen: 4.969 ug/L
 RT: 8.41 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

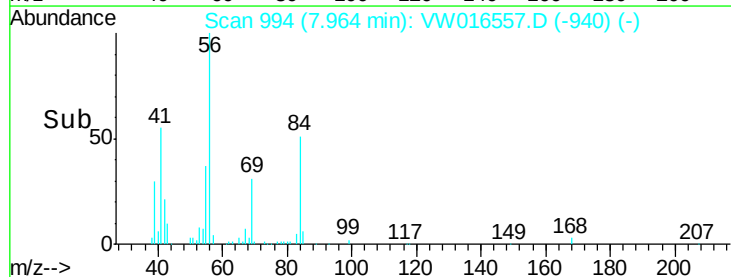
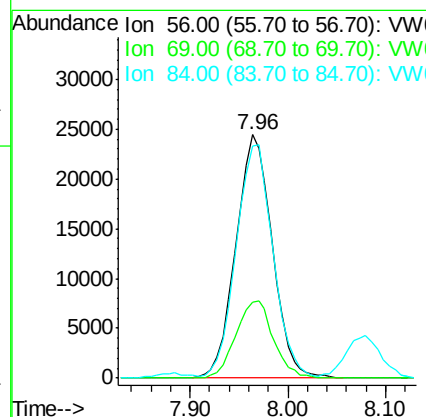
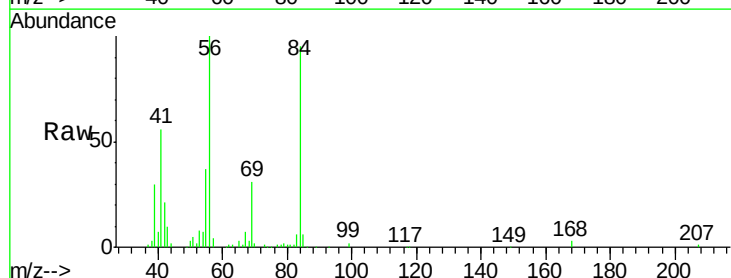
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00505

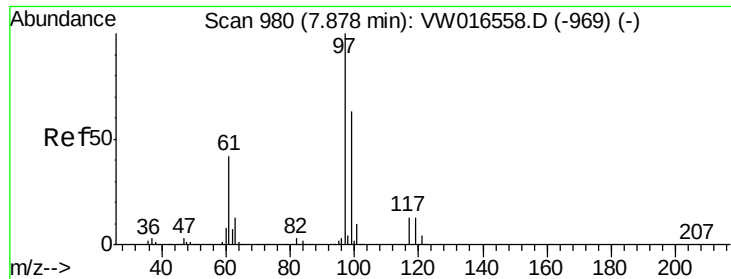
Tgt Ion: 62 Resp: 46617
 Ion Ratio Lower Upper
 62 100
 98 10.1 7.9 11.9



#30
 Cyclohexane
 Concen: 5.009 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion: 56 Resp: 63278
 Ion Ratio Lower Upper
 56 100
 69 32.1 26.5 39.7
 84 97.2 79.0 118.6





#31

1,1,1-Trichloroethane

Concen: 5.699 ug/L

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

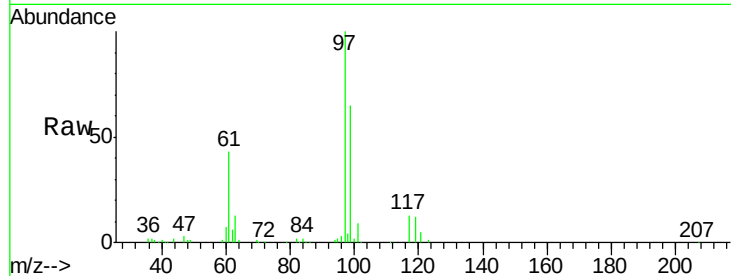
Tgt Ion: 97 Resp: 67594

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

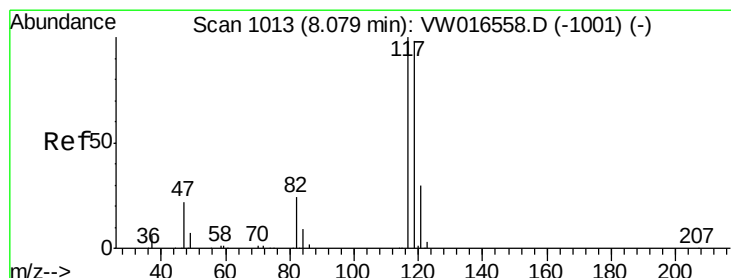
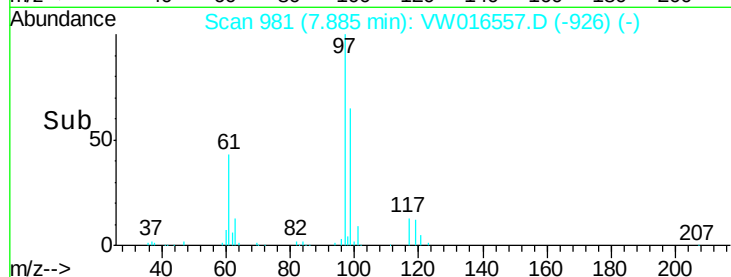
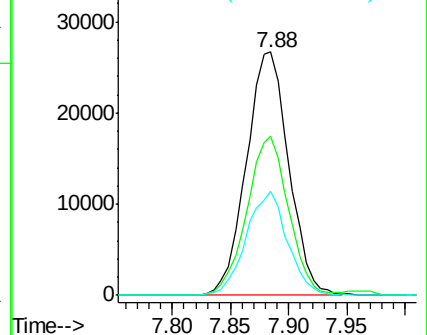
61 41.5 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 5.703 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW016557.D

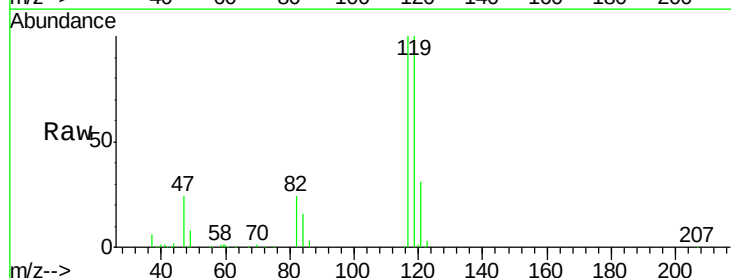
Acq: 15 Sep 2020 14:17

Tgt Ion: 117 Resp: 64464

Ion Ratio Lower Upper

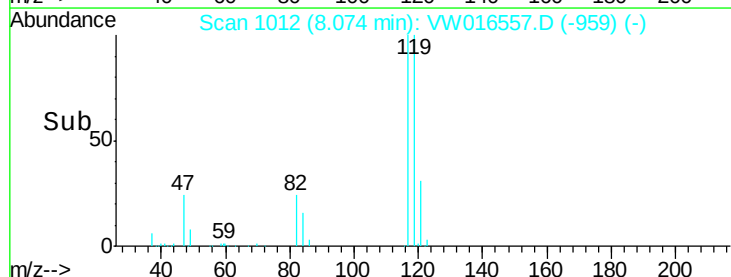
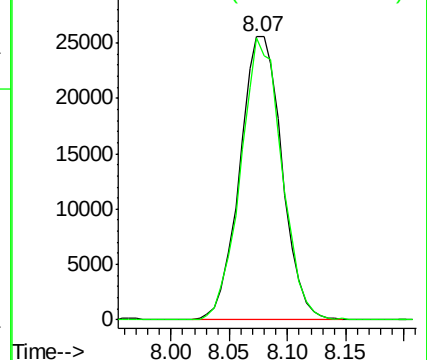
117 100

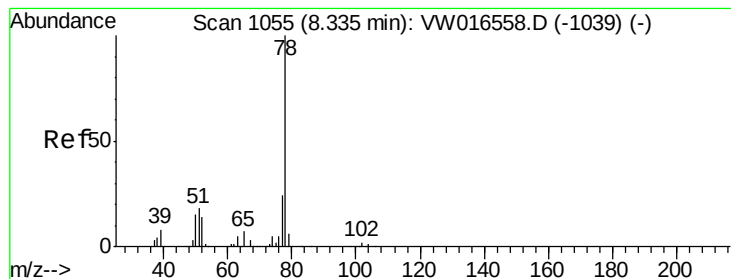
119 97.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 5.291 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

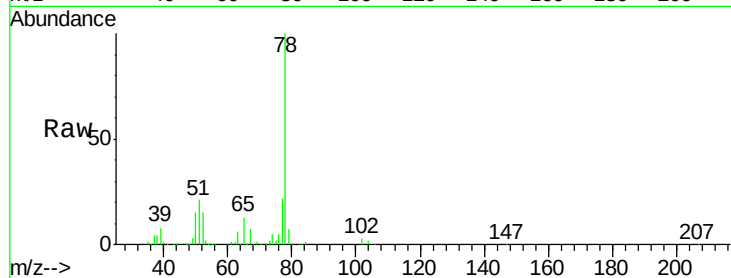
Instrument :

MSVOA_W

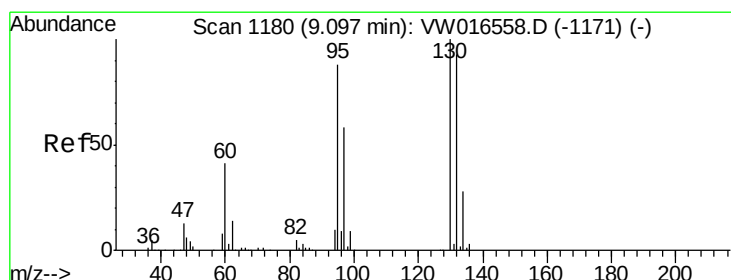
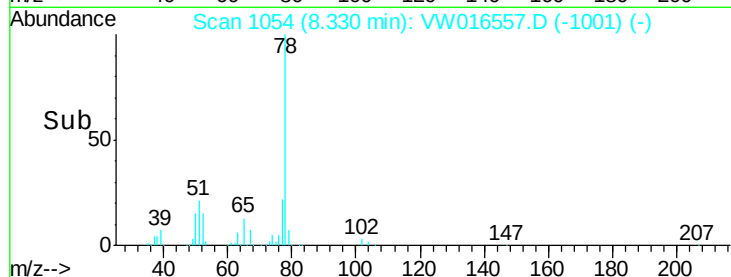
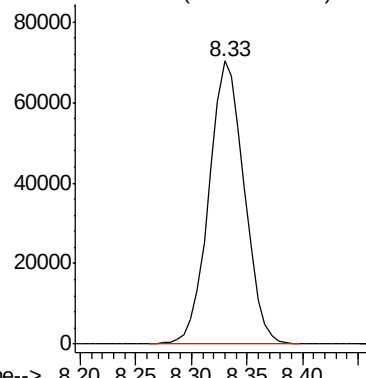
ClientSampleId :

VSTD00505

Tgt Ion: 78 Resp: 154411



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.428 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Tgt Ion: 95 Resp: 44313

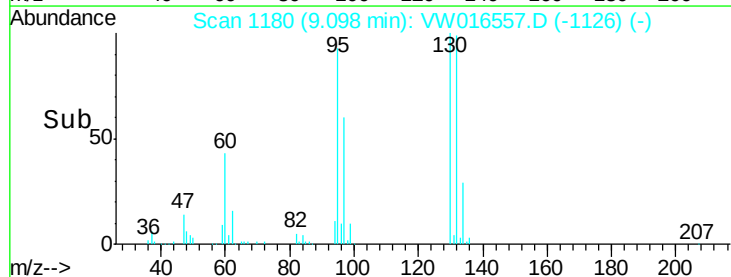
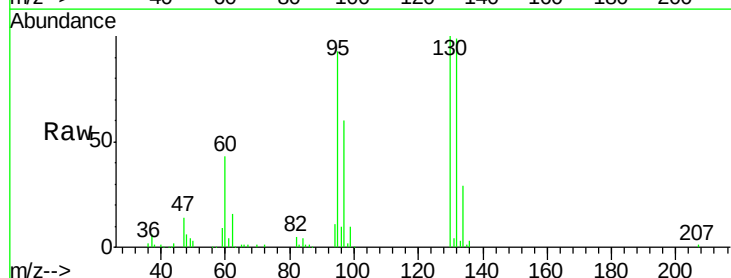
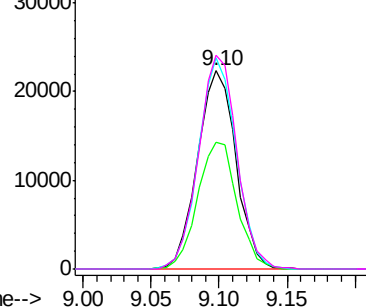
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.2	84.0
132	104.7	73.3	136.1
130	107.5	77.5	143.9

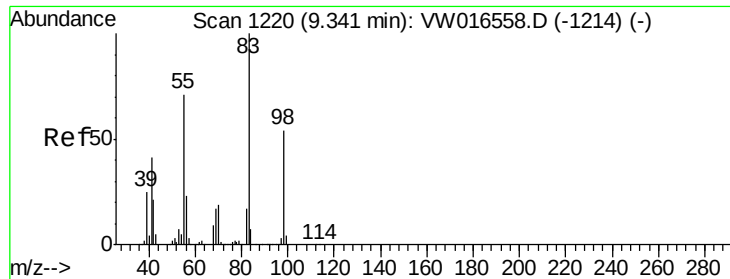
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

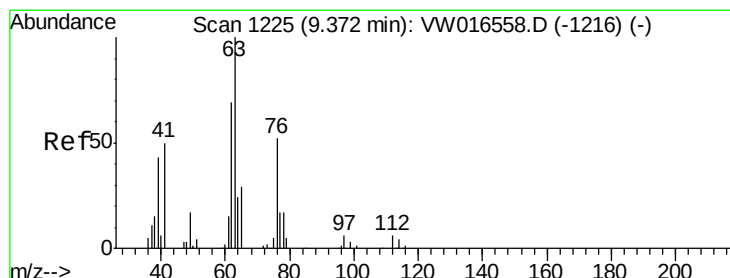
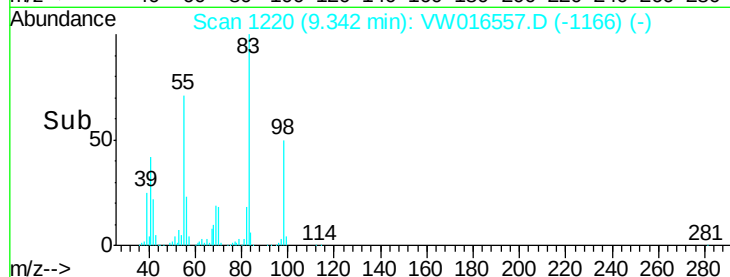
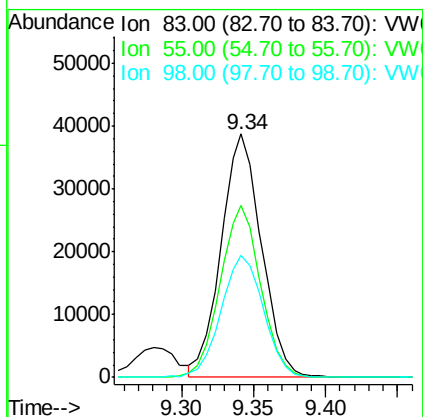
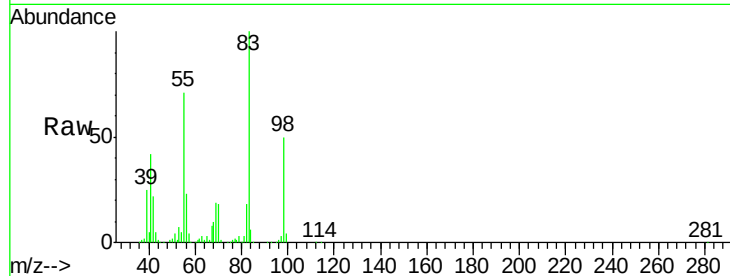




#36
Methylcyclohexane
Concen: 5.317 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

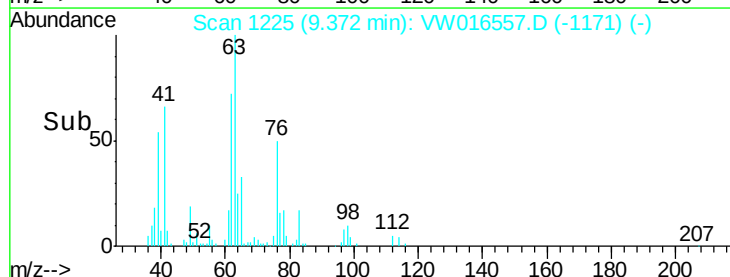
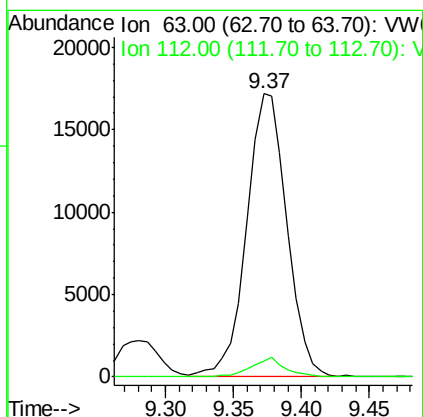
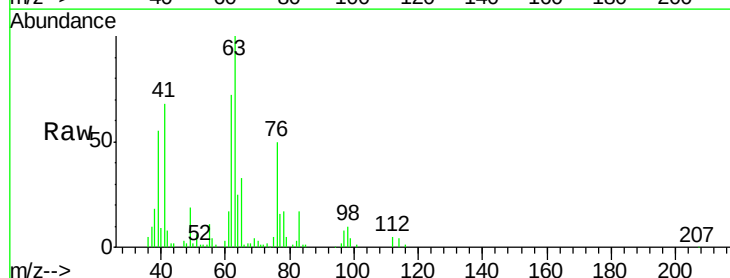
Instrument :
MSVOA_W
ClientSampled :
VSTD00505

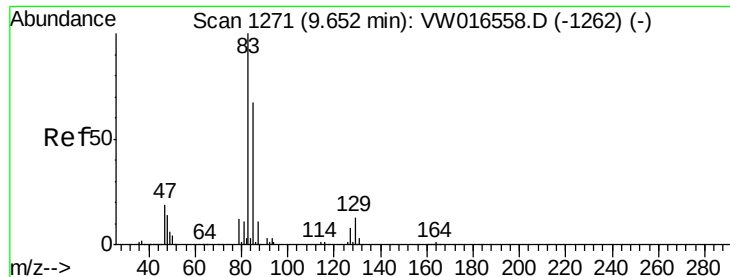
Tgt Ion: 83 Resp: 75615
Ion Ratio Lower Upper
83 100
55 70.7 55.9 83.9
98 52.0 42.1 63.1



#40
1,2-Dichloropropane
Concen: 4.963 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Tgt Ion: 63 Resp: 35385
Ion Ratio Lower Upper
63 100
112 5.7 4.5 6.7





#41

Bromodichloromethane

Concen: 5.181 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

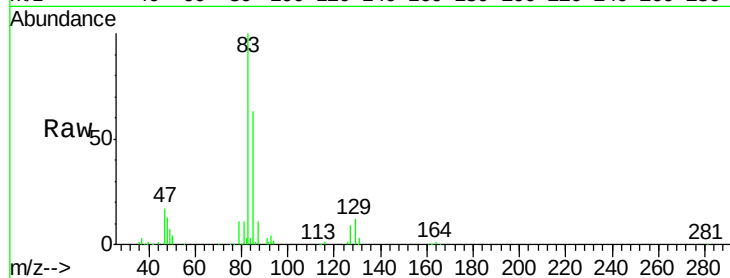
Tgt Ion: 83 Resp: 52232

Ion Ratio Lower Upper

83 100

85 62.7 46.8 86.8

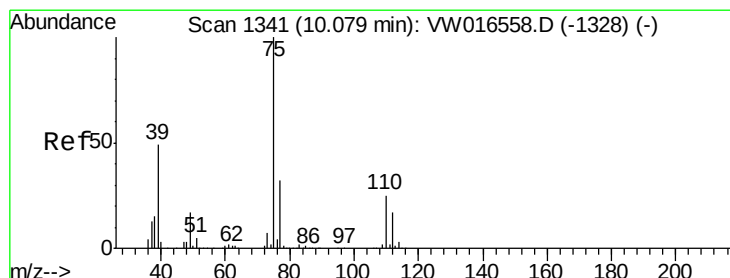
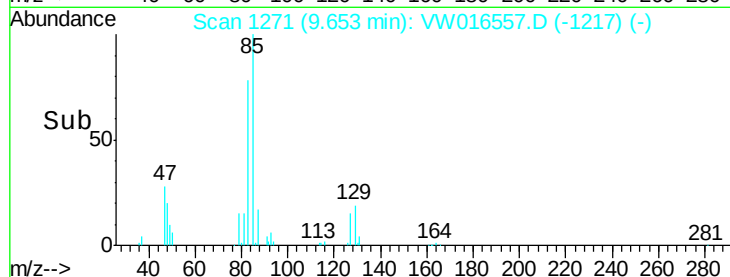
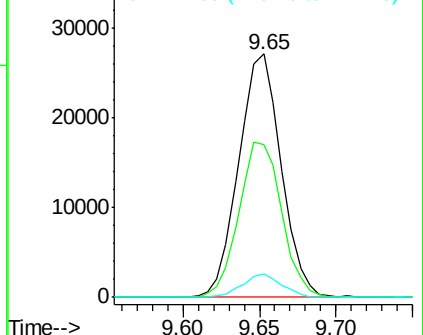
127 9.4 6.8 10.2



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: 4.917 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW016557.D

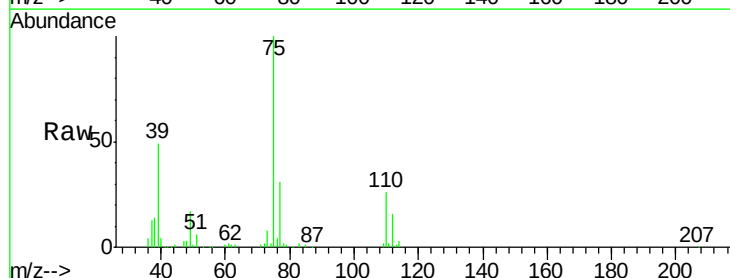
Acq: 15 Sep 2020 14:17

Tgt Ion: 75 Resp: 59805

Ion Ratio Lower Upper

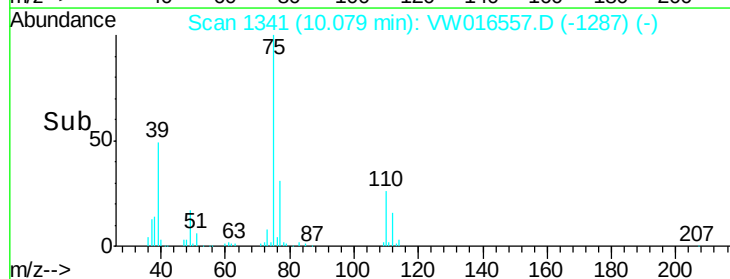
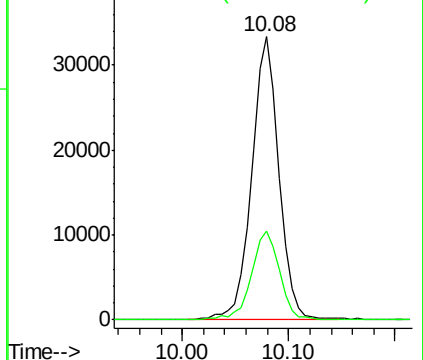
75 100

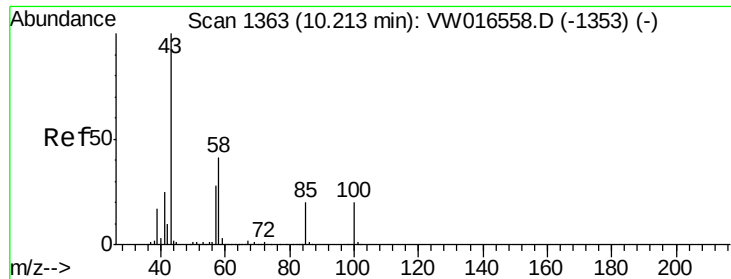
77 31.4 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

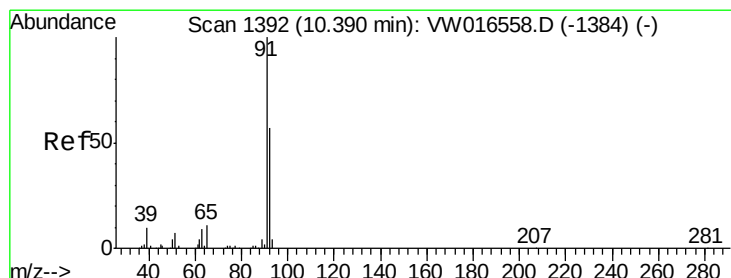
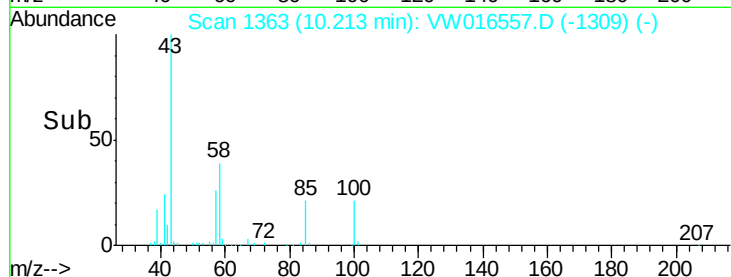
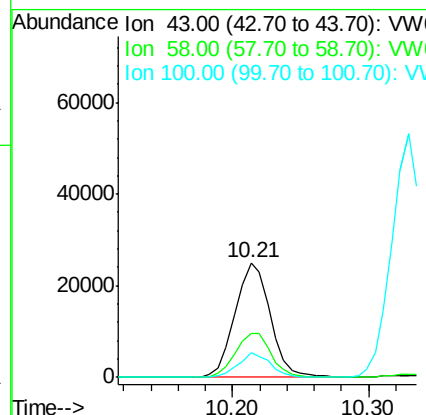
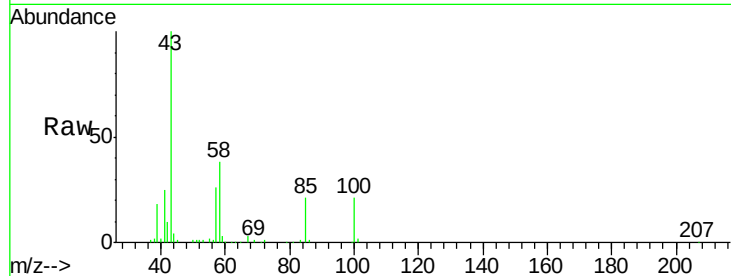




#43
 4-Methyl-2-pentanone
 Concen: 9.078 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

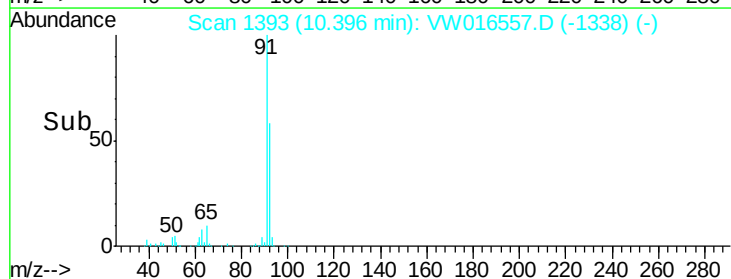
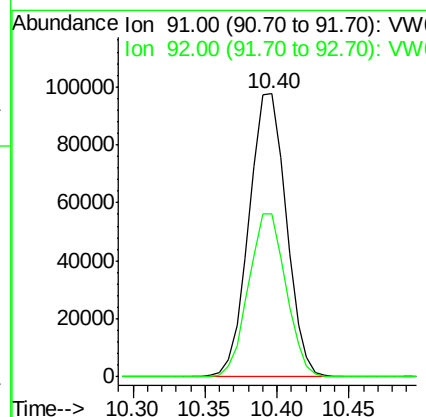
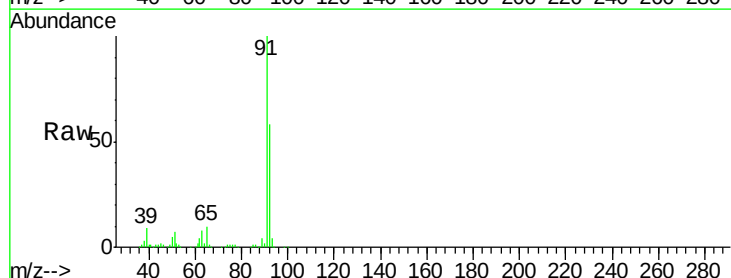
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00505

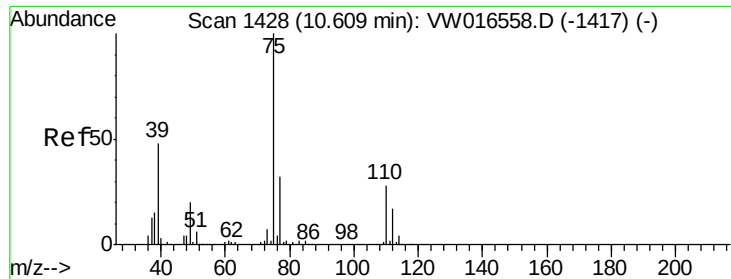
Tgt Ion: 43 Resp: 44862
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.2 48.4
 100 19.4 15.8 23.6



#44
 Toluene
 Concen: 5.366 ug/L
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion: 91 Resp: 175208
 Ion Ratio Lower Upper
 91 100
 92 57.8 39.6 73.6





#45

trans-1,3-Dichloropropene

Concen: 4.733 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

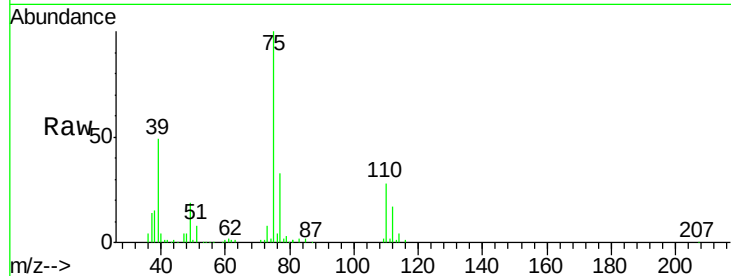
VSTD00505

Tgt Ion: 75 Resp: 51095

Ion Ratio Lower Upper

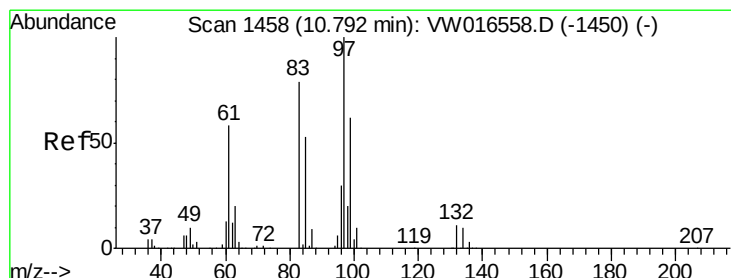
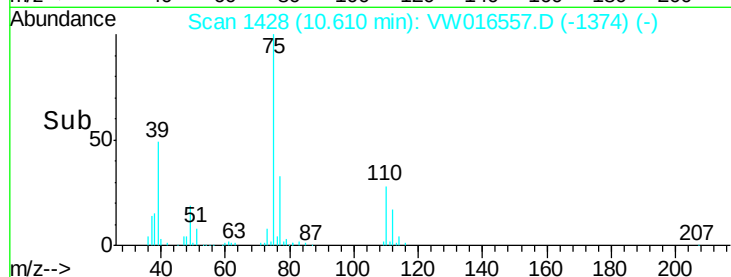
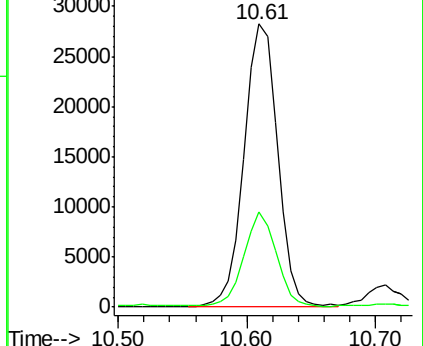
75 100

77 33.5 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 5.211 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Tgt Ion: 97 Resp: 29814

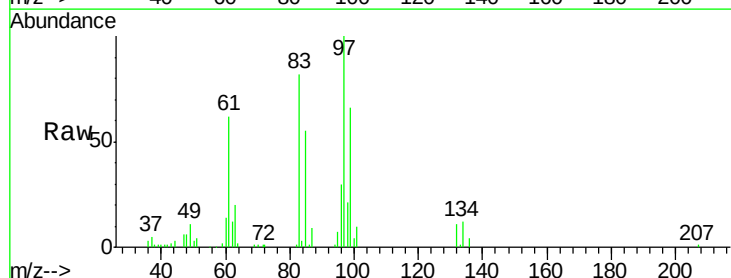
Ion Ratio Lower Upper

97 100

83 81.7 55.7 103.5

85 54.9 36.8 68.4

99 65.8 43.7 81.1

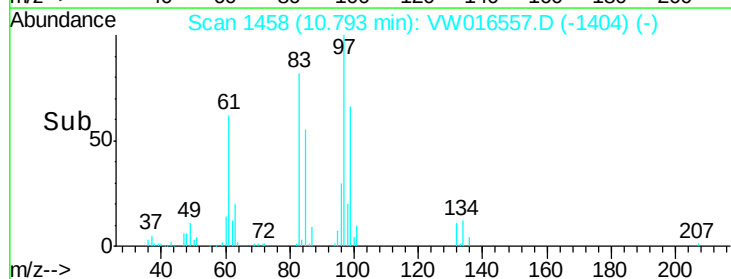
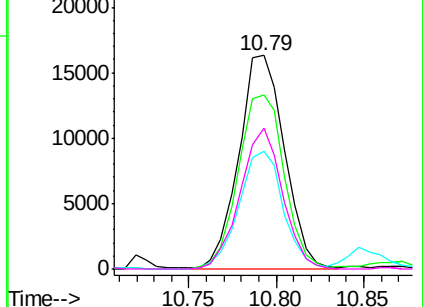


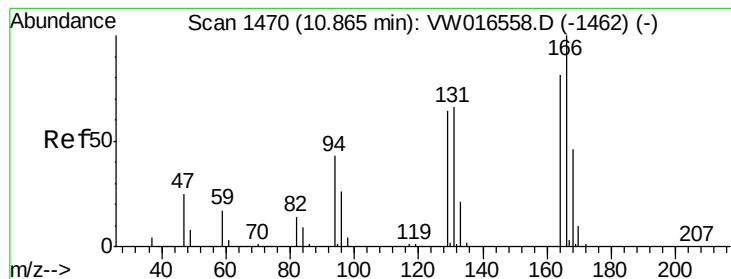
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 5.834 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion:164 Resp: 39300

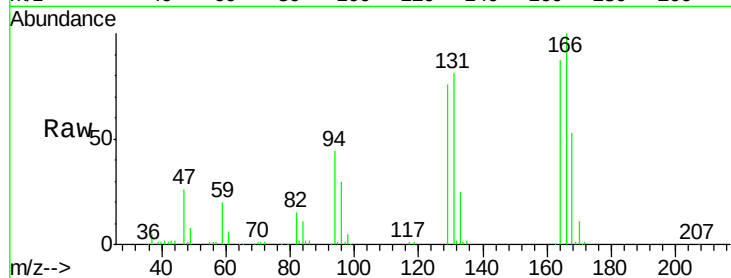
Ion Ratio Lower Upper

164 100

129 86.8 55.6 103.2

131 93.0 57.2 106.2

166 114.9 86.5 160.6

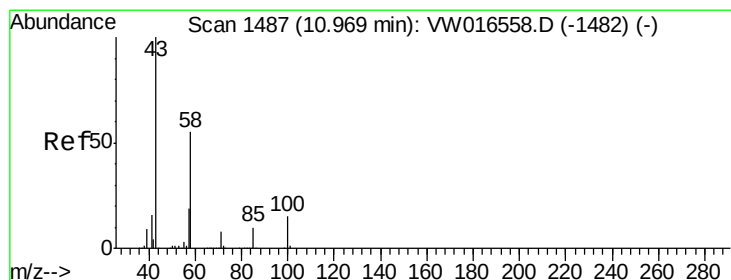
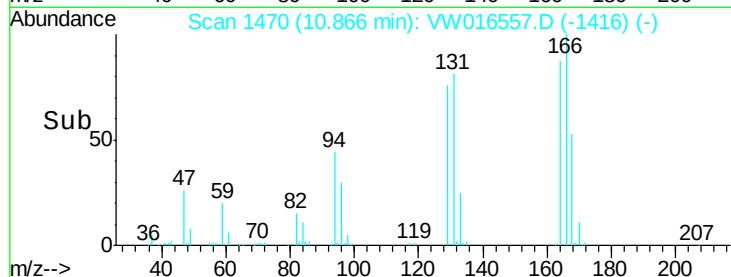
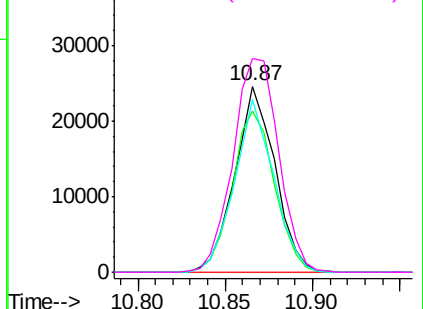


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 7.722 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Tgt Ion: 43 Resp: 26469

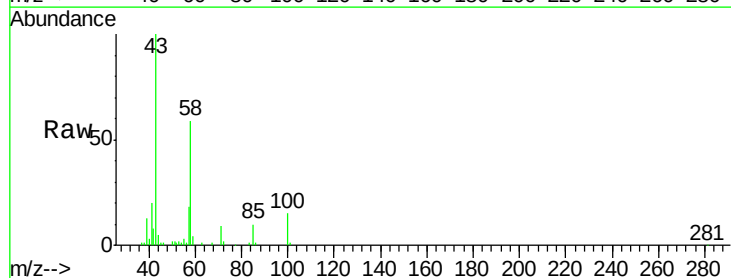
Ion Ratio Lower Upper

43 100

58 57.1 44.2 66.2

57 19.9 16.3 24.5

100 15.8 12.4 18.6

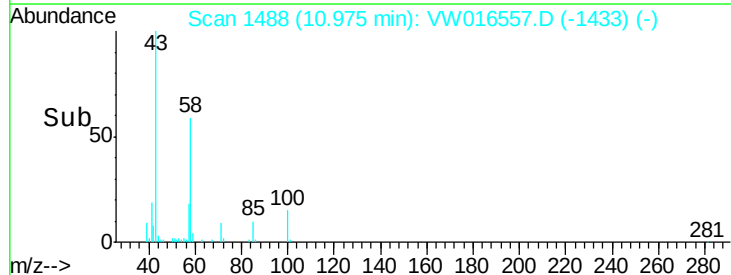
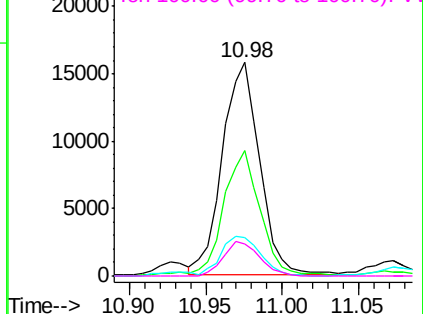


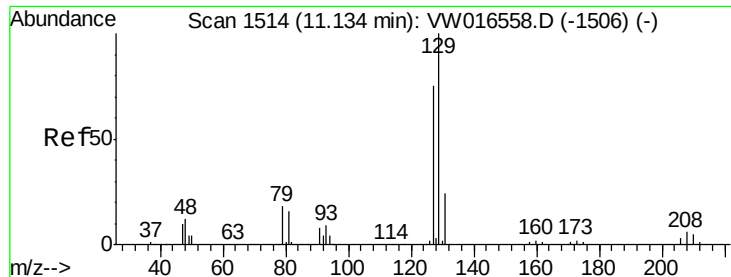
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

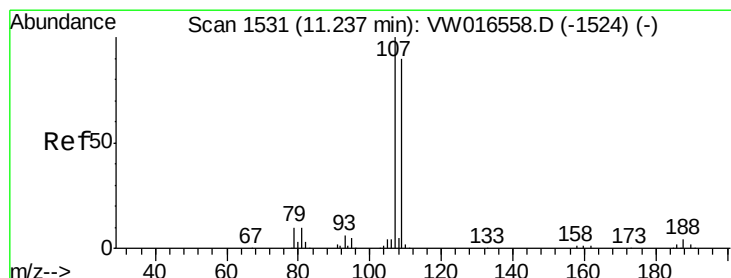
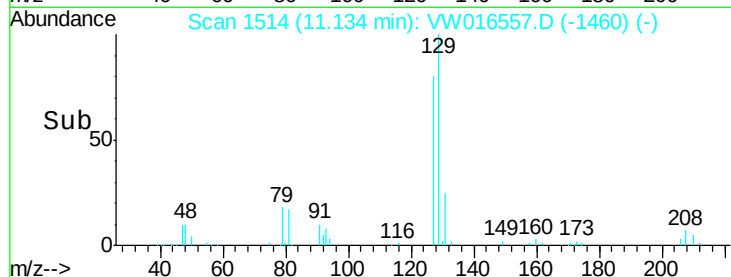
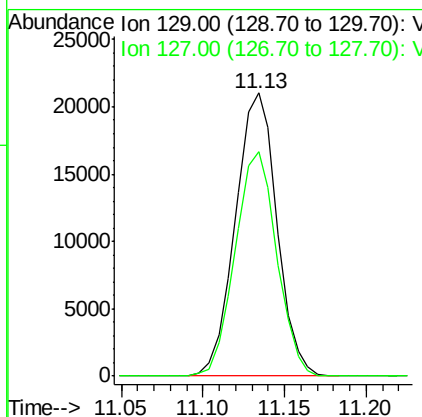
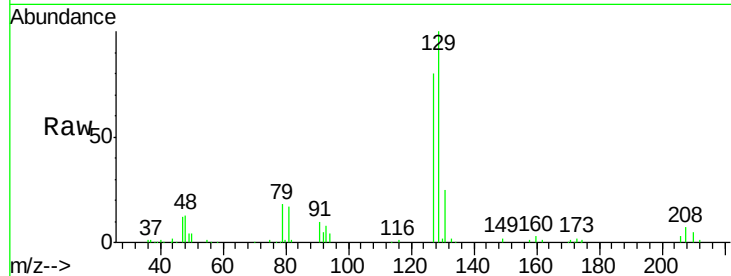




#50
 Dibromochloromethane
 Concen: 5.111 ug/L
 RT: 11.13 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

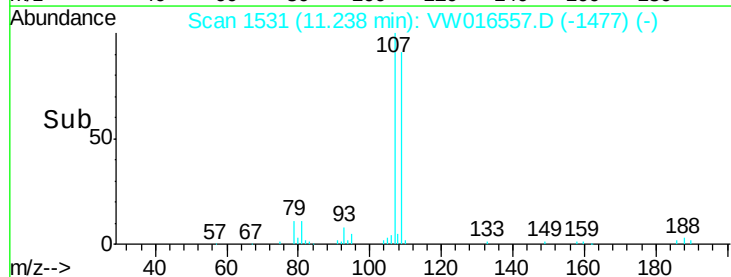
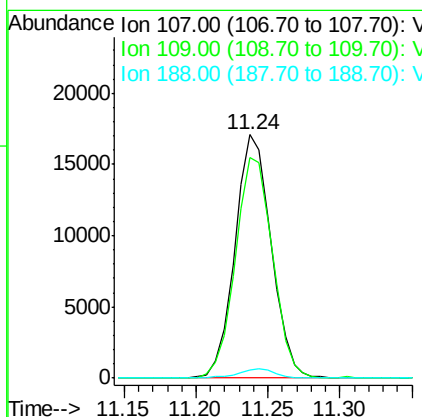
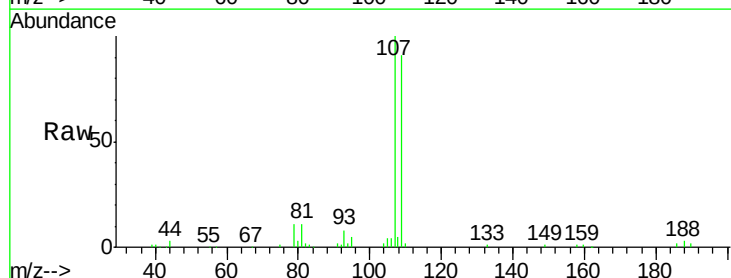
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

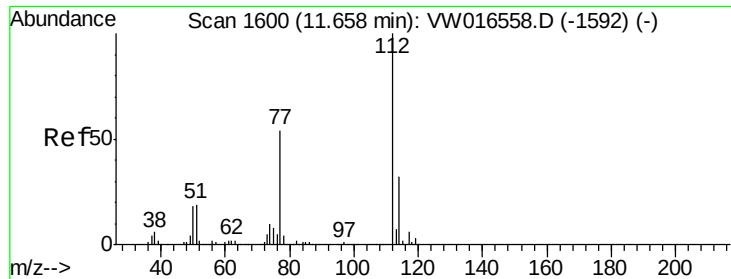
Tgt Ion:129 Resp: 37310
 Ion Ratio Lower Upper
 129 100
 127 79.5 52.4 97.4



#51
 1,2-Dibromoethane
 Concen: 5.236 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion:107 Resp: 29933
 Ion Ratio Lower Upper
 107 100
 109 90.8 63.0 117.0
 188 3.4 3.1 4.7

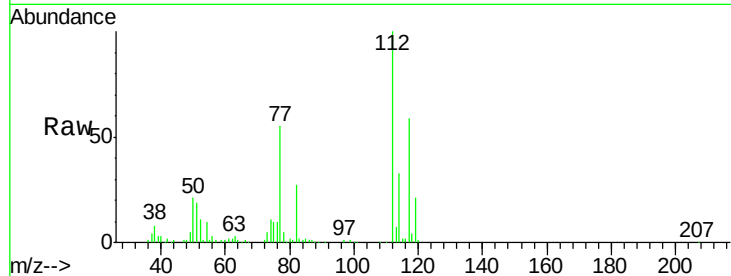




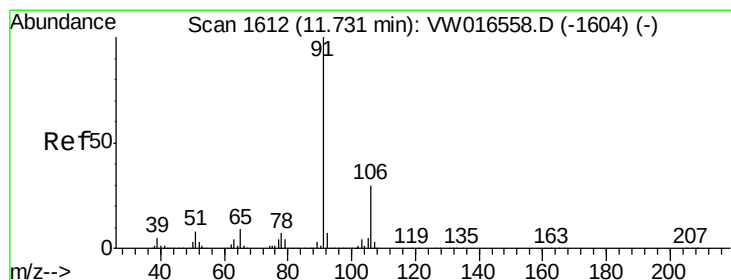
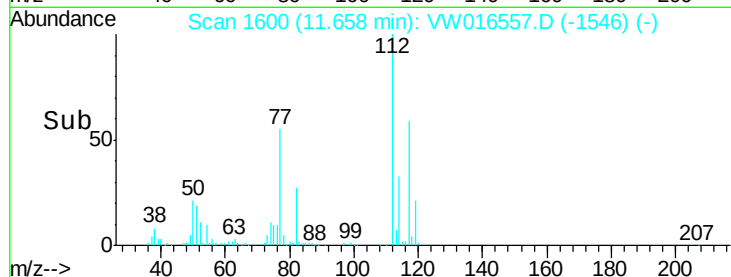
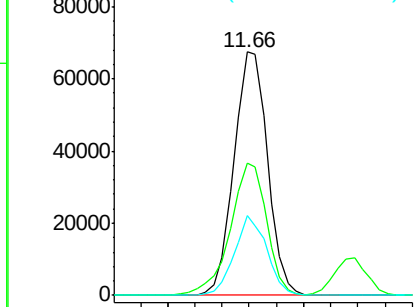
#52
Chlorobenzene
Concen: 5.545 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion: 112 Resp: 116321
Ion Ratio Lower Upper
112 100
77 54.6 43.1 64.7
114 32.6 22.3 41.3

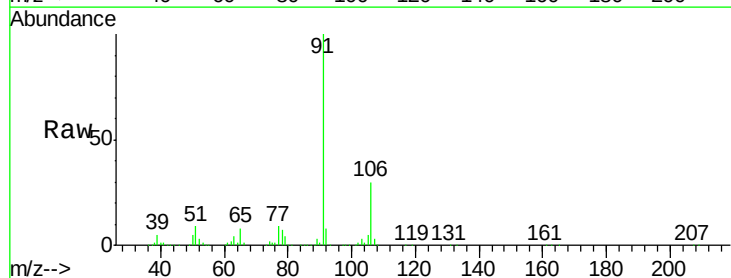


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VW
Ion 114.00 (113.70 to 114.70): V

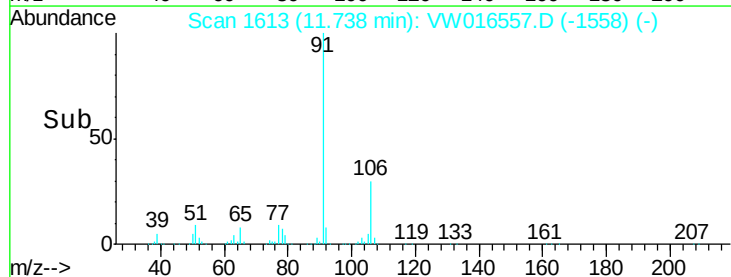
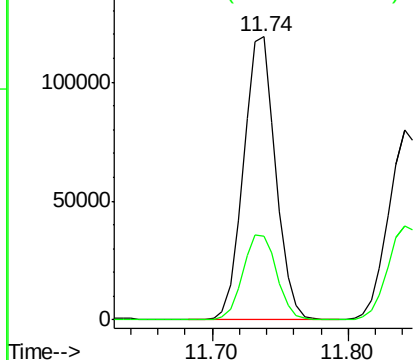


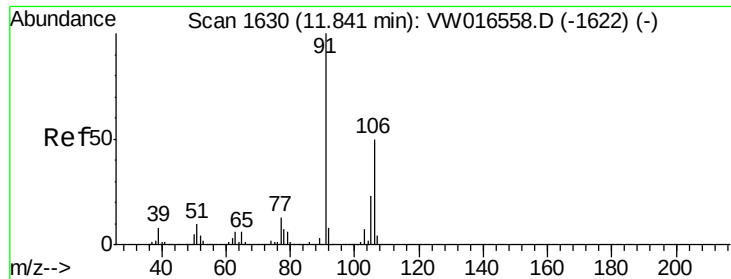
#53
Ethylbenzene
Concen: 5.317 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Tgt Ion: 91 Resp: 196126
Ion Ratio Lower Upper
91 100
106 29.6 20.7 38.5



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





#54

m,p-Xylene

Concen: 5.377 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

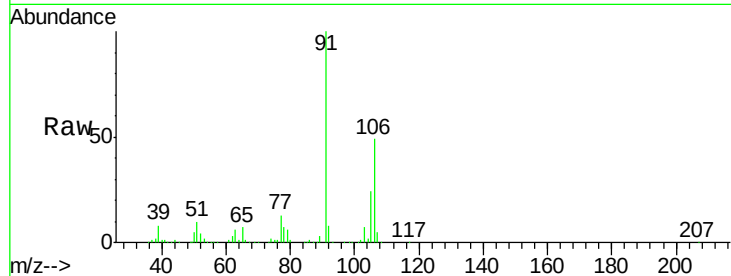
VSTD00505

Tgt Ion:106 Resp: 76322

Ion Ratio Lower Upper

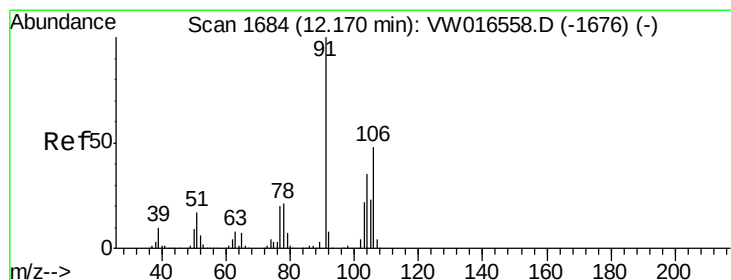
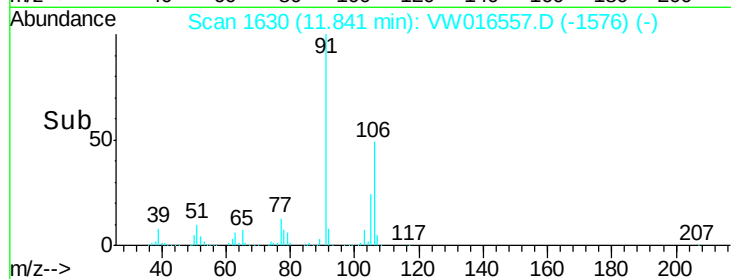
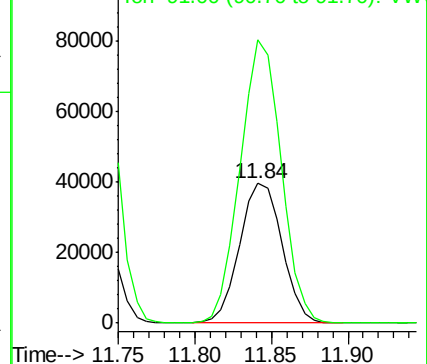
106 100

91 202.6 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 5.371 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016557.D

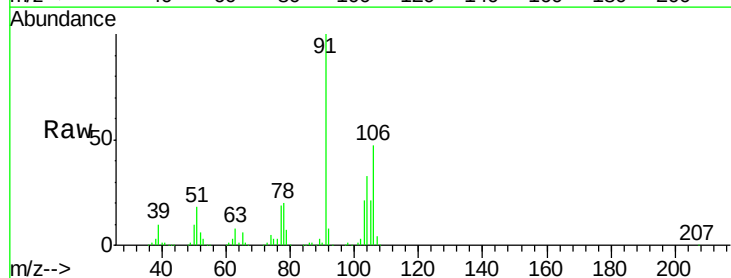
Acq: 15 Sep 2020 14:17

Tgt Ion:106 Resp: 72638

Ion Ratio Lower Upper

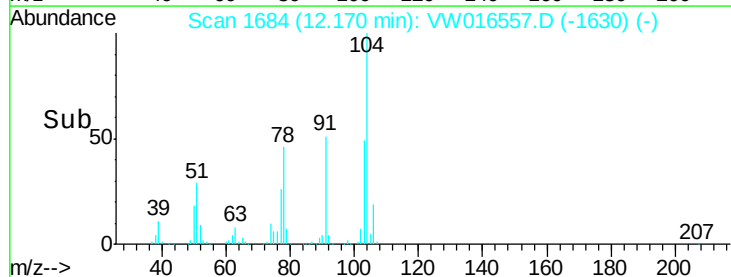
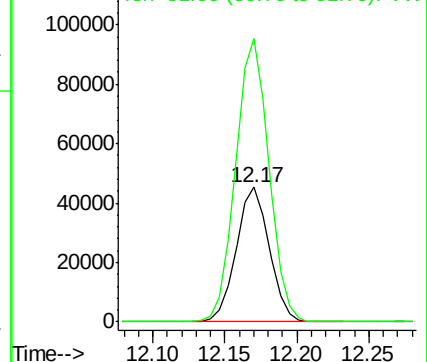
106 100

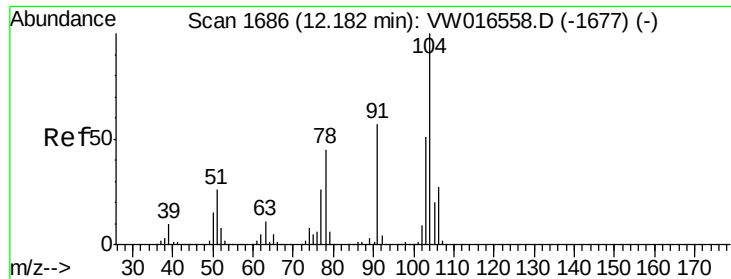
91 210.6 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 5.220 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

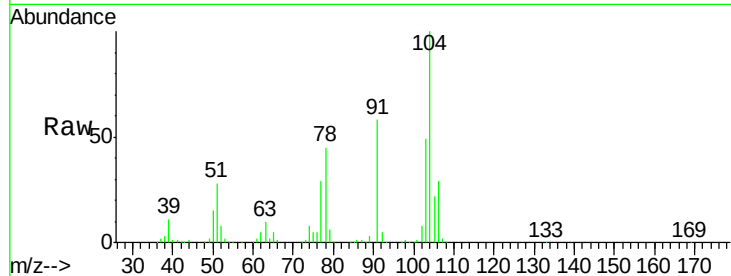
VSTD00505

Tgt Ion:104 Resp: 120597

Ion Ratio Lower Upper

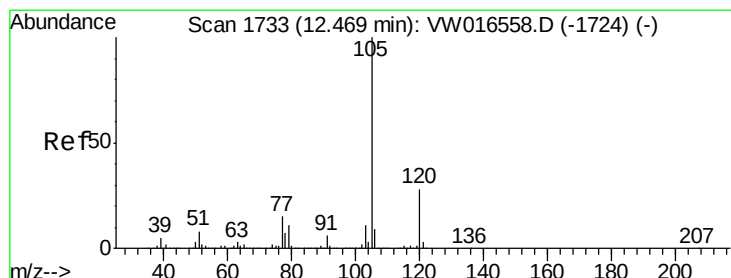
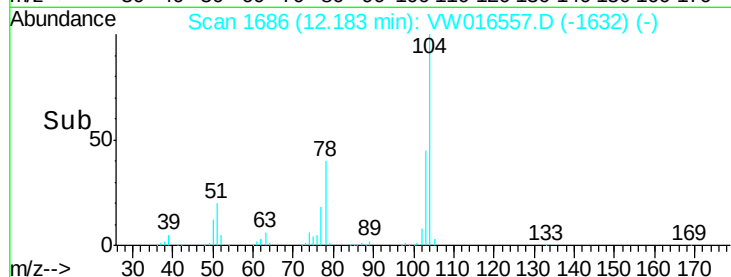
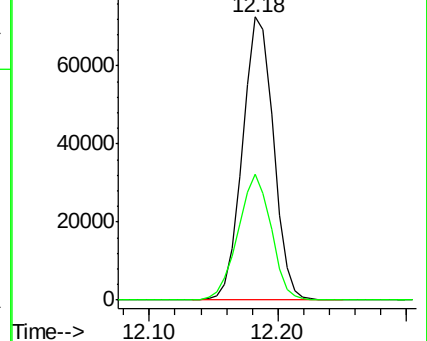
104 100

78 44.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 5.372 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

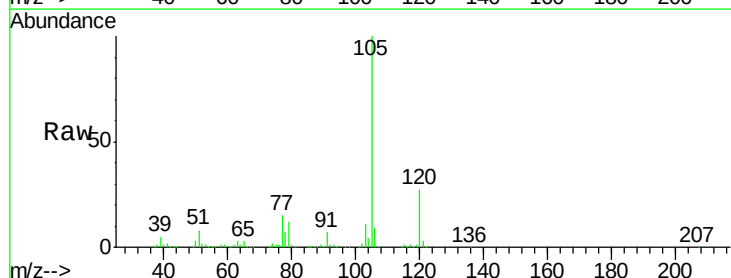
Tgt Ion:105 Resp: 199635

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

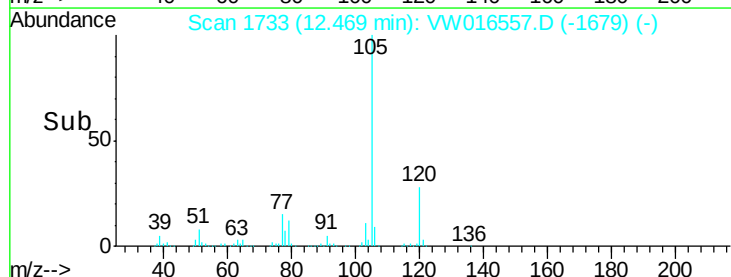
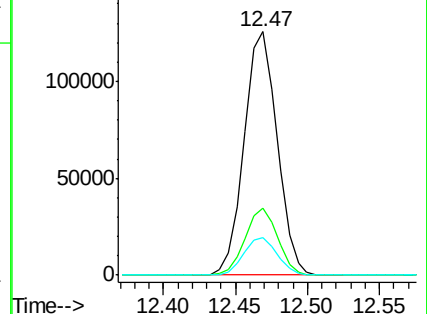
77 15.7 12.2 18.2

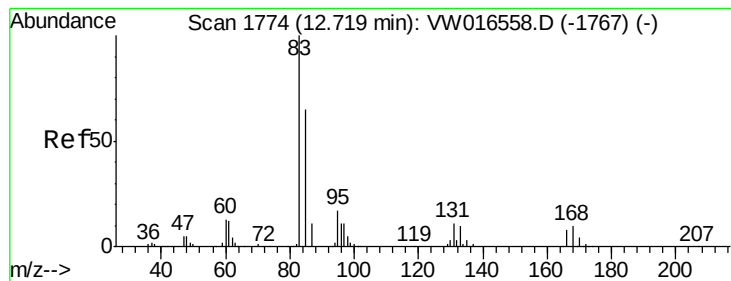


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 4.781 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

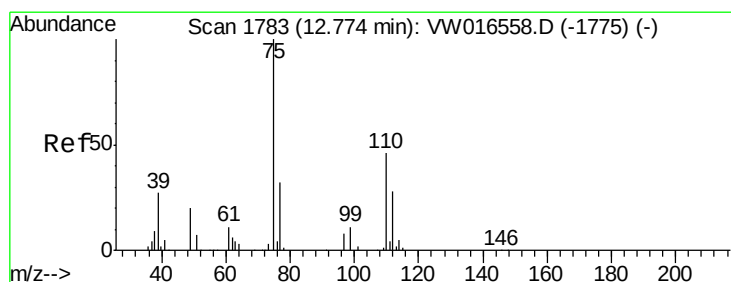
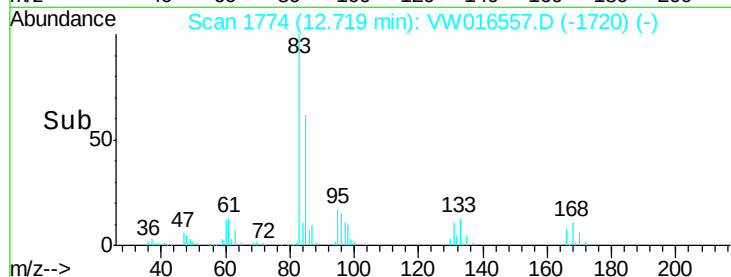
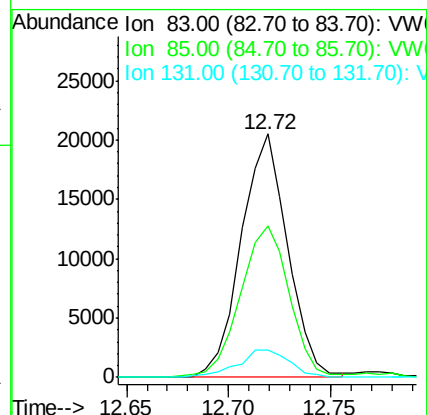
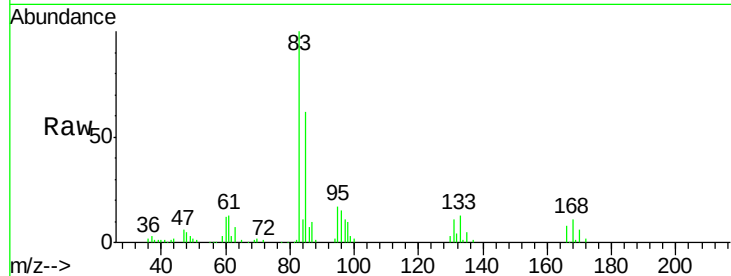
Tgt Ion: 83 Resp: 32358

Ion Ratio Lower Upper

83 100

85 62.0 46.0 85.4

131 11.2 9.0 13.6



#59

1,2,3-Trichloropropane

Concen: 4.811 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016557.D

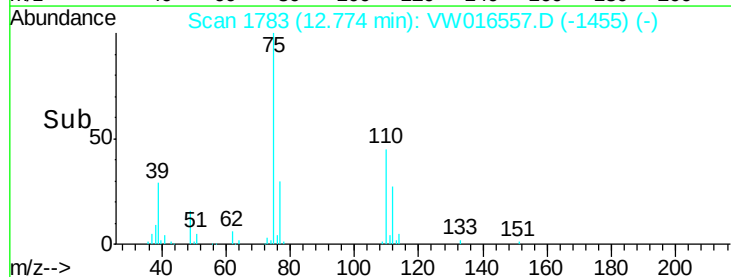
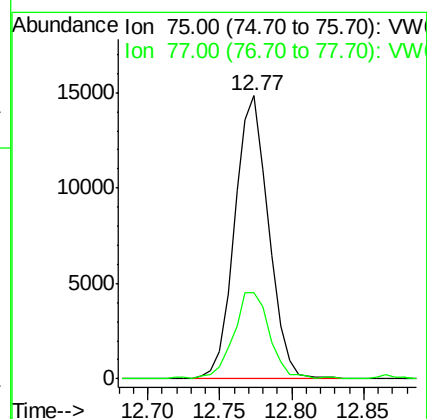
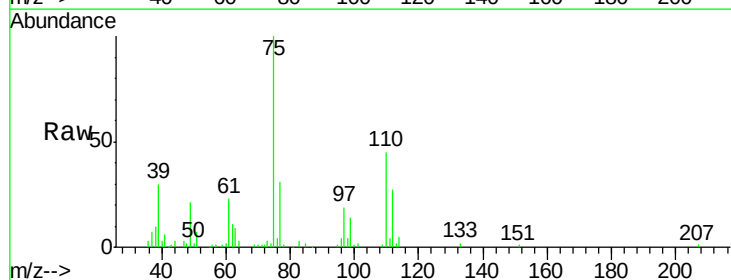
Acq: 15 Sep 2020 14:17

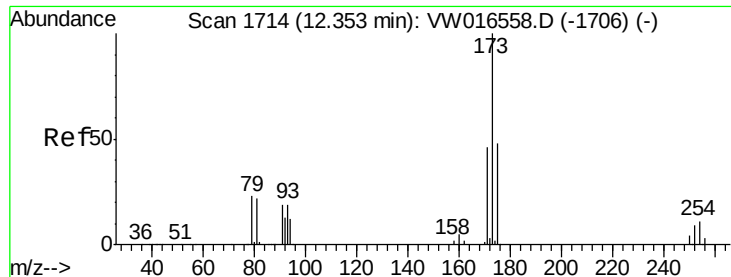
Tgt Ion: 75 Resp: 24328

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

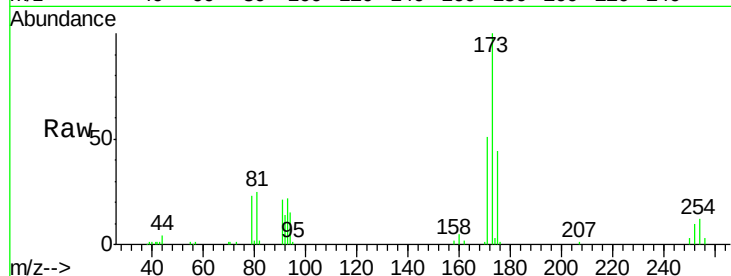




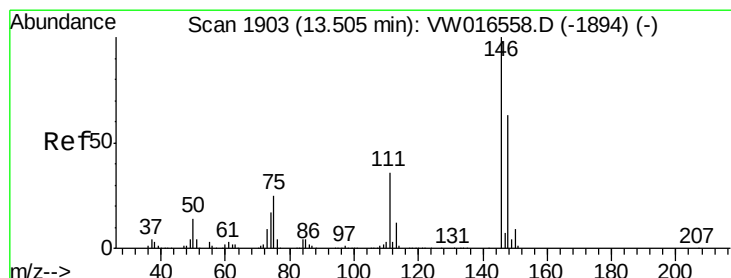
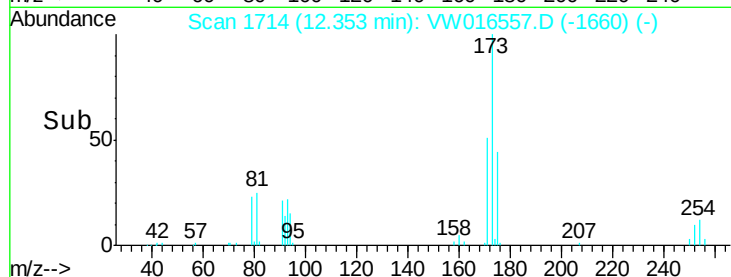
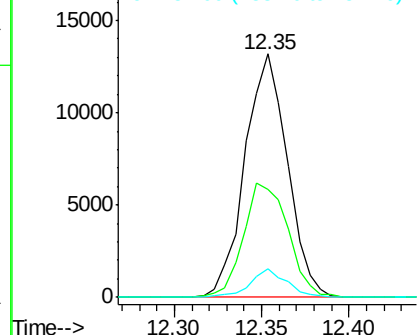
#62
Bromoform
Concen: 4.939 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tgt Ion:173 Resp: 22242
Ion Ratio Lower Upper
173 100
175 49.1 38.6 57.8
254 10.1 8.2 12.4

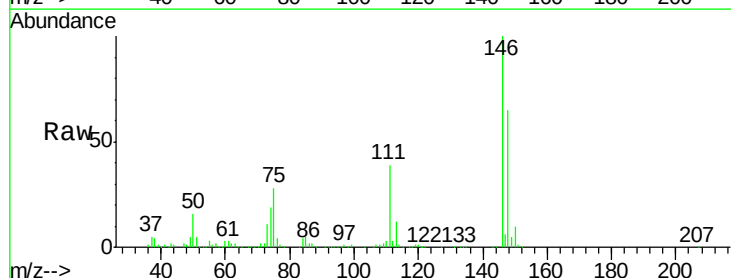


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

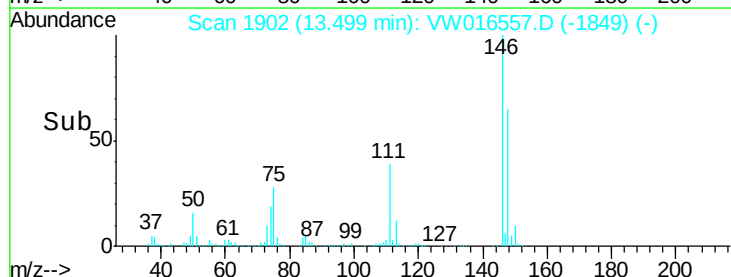
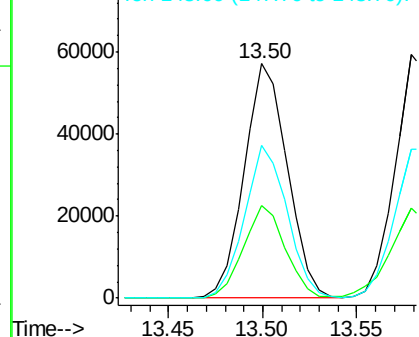


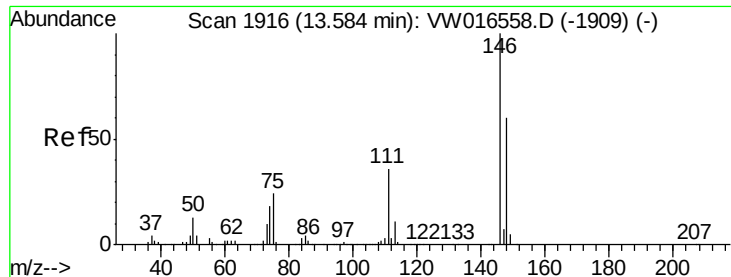
#63
1,3-Dichlorobenzene
Concen: 5.338 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW016557.D
Acq: 15 Sep 2020 14:17

Tgt Ion:146 Resp: 90846
Ion Ratio Lower Upper
146 100
111 39.4 25.0 46.4
148 65.1 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 5.442 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

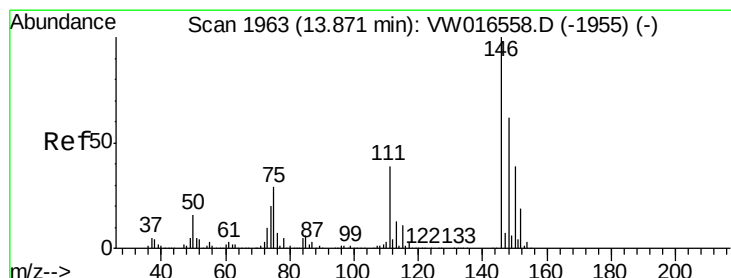
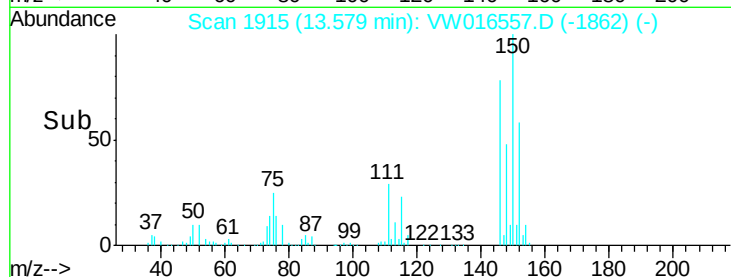
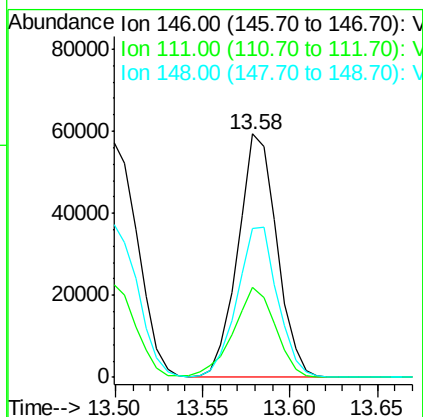
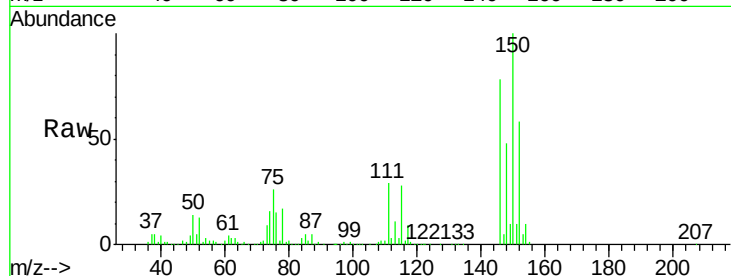
Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tgt Ion:	146	Resp:	91446
Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.1	46.5
148	61.3	42.3	78.5



#65

1,2-Dichlorobenzene

Concen: 5.554 ug/L

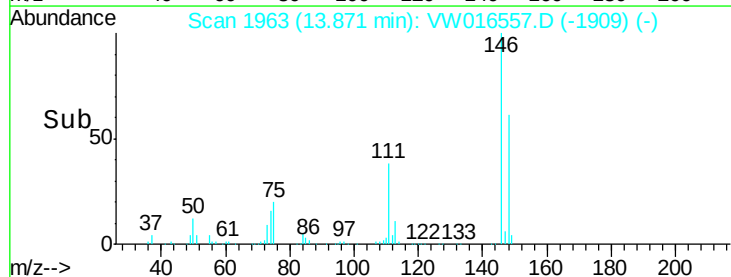
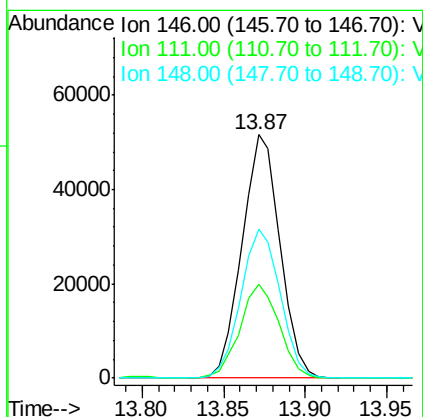
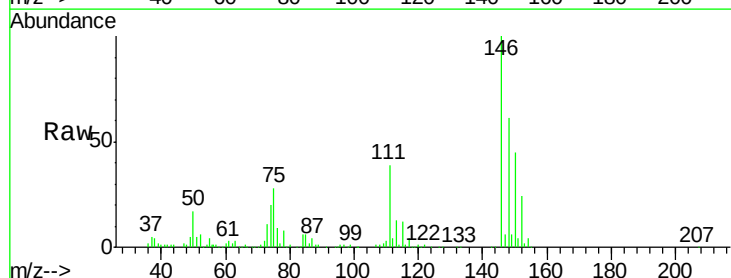
RT: 13.87 min Scan# 1963

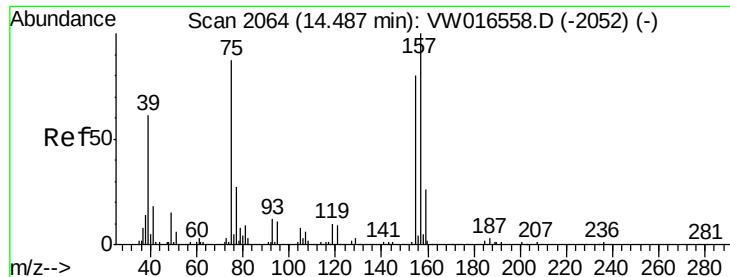
Delta R.T. 0.00 min

Lab File: VW016557.D

Acq: 15 Sep 2020 14:17

Tgt Ion:	146	Resp:	83790
Ion	Ratio	Lower	Upper
146	100		
111	38.7	31.4	47.0
148	61.3	49.3	73.9

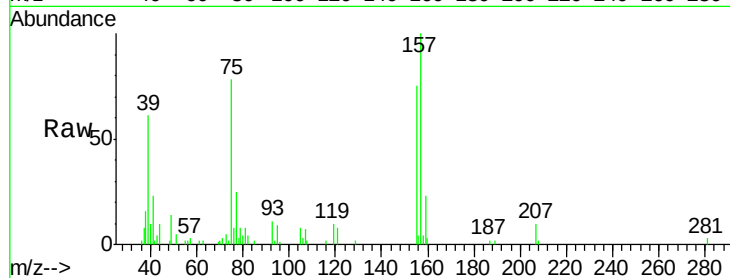




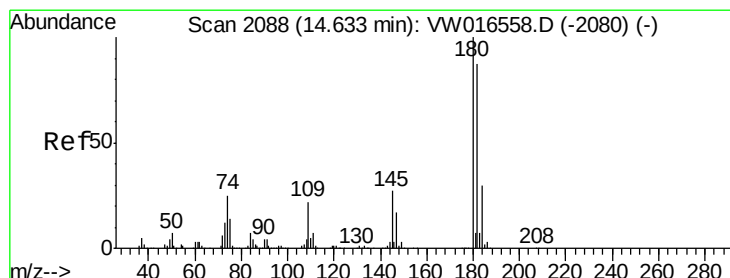
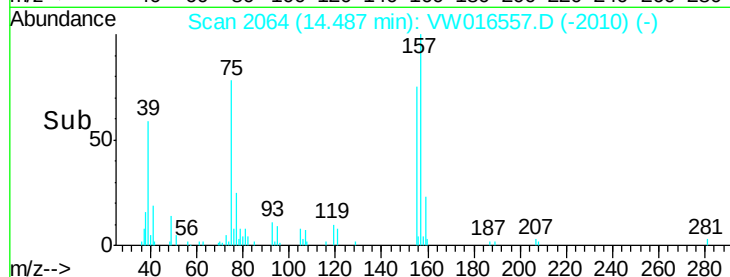
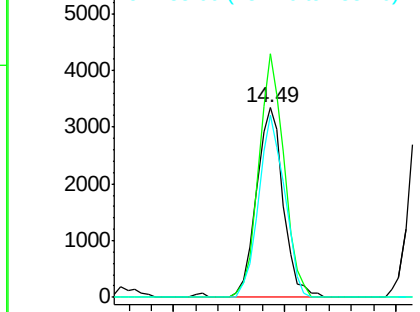
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.163 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Tgt Ion: 75 Resp: 5643
 Ion Ratio Lower Upper
 75 100
 157 128.5 92.2 138.4
 155 96.1 73.5 110.3

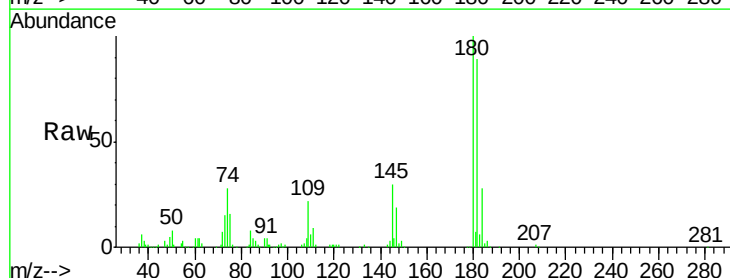


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

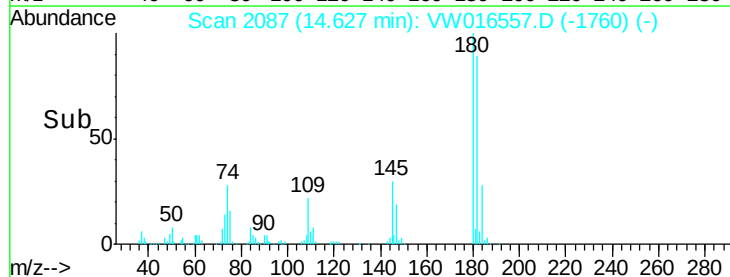
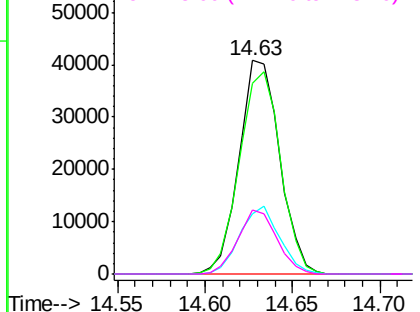


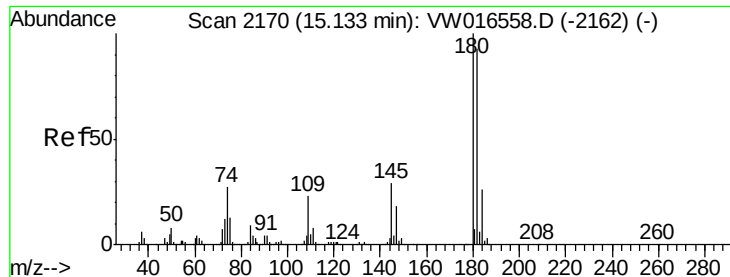
#67
 1,3,5-Trichlorobenzene
 Concen: 5.528 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion: 180 Resp: 65976
 Ion Ratio Lower Upper
 180 100
 182 96.2 73.8 110.8
 184 30.9 23.7 35.5
 145 28.9 22.8 34.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

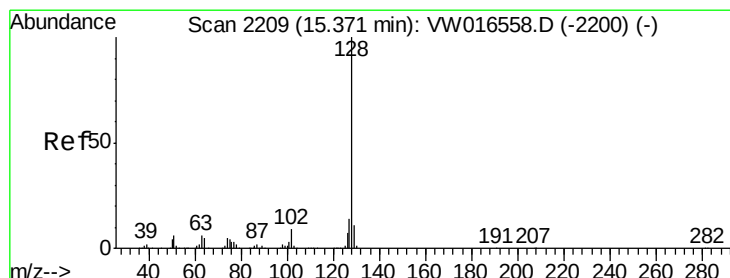
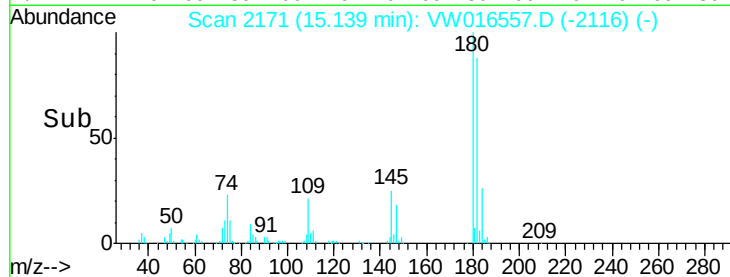
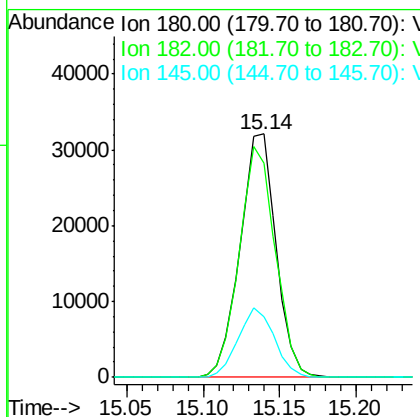
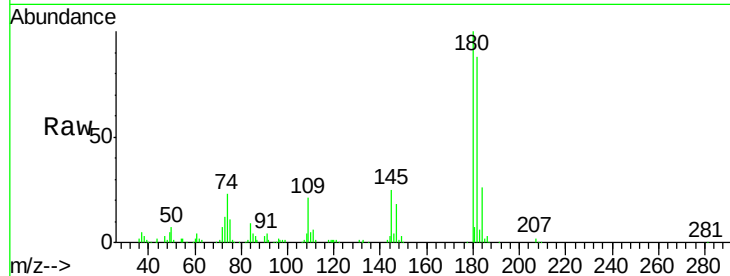




#68
 1,2,4-trichlorobenzene
 Concen: 5.085 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

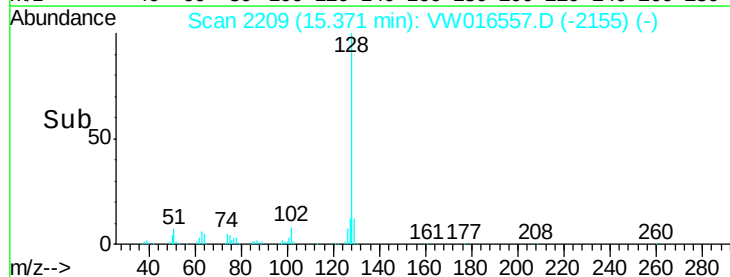
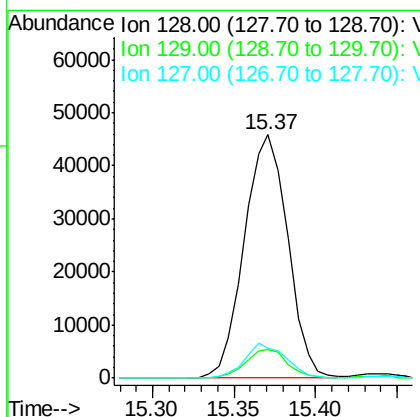
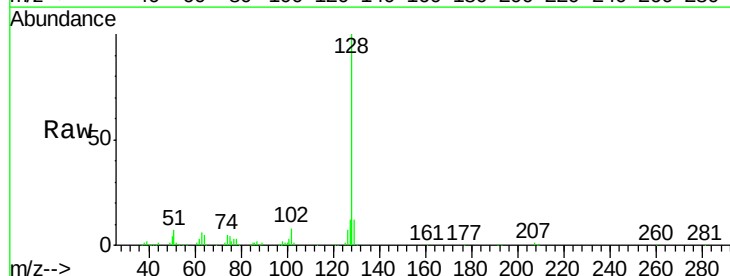
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

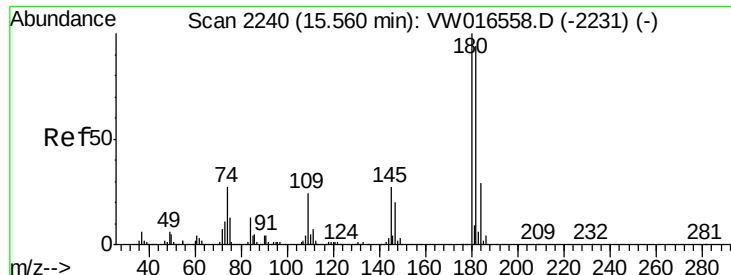
Tgt Ion:180 Resp: 52480
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.5 111.7
 145 28.8 23.1 34.7



#69
 Naphthalene
 Concen: 4.064 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Tgt Ion:128 Resp: 84974
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.9 13.3
 127 13.6 10.8 16.2





#70
 1,2,3-Trichlorobenzene
 Concen: 4.985 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW016557.D
 Acq: 15 Sep 2020 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.3	114.5
145	32.5	24.1	36.1

