

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052620\
 Data File : VW015470.D
 Acq On : 26 May 2020 13:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 27 01:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 27 00:58:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	390956	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	354959	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171039	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82196	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
7) Chloroethane-d5	2.90	69	83793	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.02	63	202526	23.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.80%
20) 2-Butanone-d5	7.08	46	54429	46.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.06%
24) Chloroform-d	7.65	84	213480	23.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	8.30	65	117623	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.56%
29) Benzene-d6	8.27	84	408632	23.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.88%
33) 1,2-Dichloropropane-d6	9.27	67	125650	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.00%
37) Toluene-d8	10.32	98	396803	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.80%
38) trans-1,3-Dichloropropene-	10.58	79	57995	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.80%
39) 2-Hexanone-d5	10.93	63	43331	47.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96241	24.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	137096	23.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	84325	24.415	ug/L 97
3) Chloromethane	2.21	50	87475	23.007	ug/L 99
5) Vinyl chloride	2.37	62	134614	23.543	ug/L 99
6) Bromomethane	2.79	94	86983	23.405	ug/L 99
8) Chloroethane	2.93	64	82653	23.747	ug/L 100
9) Trichlorofluoromethane	3.26	101	99089	24.352	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	115136	23.857	ug/L 99
12) 1,1-Dichloroethene	4.04	96	111664	23.953	ug/L 94
13) Acetone	4.12	43	45835	50.687	ug/L 98
14) Carbon disulfide	4.38	76	370749	23.839	ug/L 100
15) Methyl Acetate	4.67	43	46604	23.822	ug/L 99
16) Methylene chloride	4.92	84	115109	23.990	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	176904	23.913	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	120687	24.157	ug/L 99
19) 1,1-Dichloroethane	6.22	63	218071	24.268	ug/L 100
21) 2-Butanone	7.18	43	62248	44.811	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	126539	24.280	ug/L 99

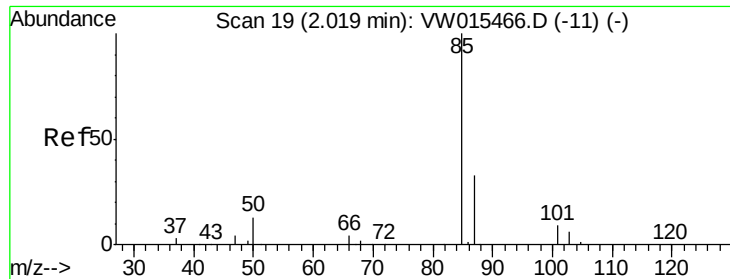
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052620\
 Data File : VW015470.D
 Acq On : 26 May 2020 13:27
 Operator : SY/VA
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Quant Time: May 27 01:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 27 00:58:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	54639	24.312	ug/L	98
25) Chloroform	7.68	83	217714	24.062	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146843	23.990	ug/L	99
30) Cyclohexane	7.96	56	210840	24.029	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192004	24.179	ug/L	99
32) Carbon tetrachloride	8.07	117	176024	24.168	ug/L	100
34) Benzene	8.32	78	485207	24.443	ug/L	100
35) Trichloroethene	9.09	95	128889	24.172	ug/L	99
36) Methylcyclohexane	9.34	83	229515	24.135	ug/L	99
40) 1,2-Dichloropropane	9.37	63	118678	24.278	ug/L	99
41) Bromodichloromethane	9.65	83	158344	24.247	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	191394	24.467	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	133595	46.622	ug/L	99
44) Toluene	10.39	91	531625	24.582	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	168072	24.689	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	82857	24.228	ug/L	98
47) Tetrachloroethene	10.87	164	103465	24.479	ug/L	96
49) 2-Hexanone	10.97	43	93402	48.291	ug/L	99
50) Dibromochloromethane	11.13	129	102451	24.657	ug/L	99
51) 1,2-Dibromoethane	11.24	107	79155	24.109	ug/L	95
52) Chlorobenzene	11.66	112	331950	24.471	ug/L	98
53) Ethylbenzene	11.73	91	606463	24.422	ug/L	99
54) m,p-Xylene	11.84	106	227974	24.465	ug/L	96
55) o-xylene	12.16	106	219163	24.778	ug/L	98
56) Styrene	12.18	104	375157	24.822	ug/L	99
57) Isopropylbenzene	12.46	105	610409	24.774	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94868	23.961	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	71226	23.725	ug/L	100
62) Bromoform	12.35	173	55843	23.433	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	254969	24.361	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	251455	24.520	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	226811	24.938	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16198	23.477	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	181305	25.021	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	148246	25.402	ug/L	99
69) Naphthalene	15.36	128	265402	25.045	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	124338	25.043	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.415 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

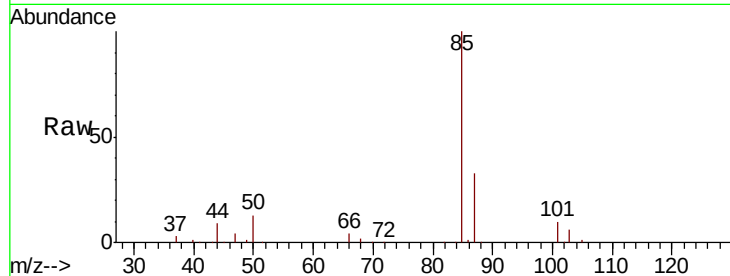
ClientSampled :

Tot Ion: 85 Resp: 84325

Ion Ratio Lower Upper

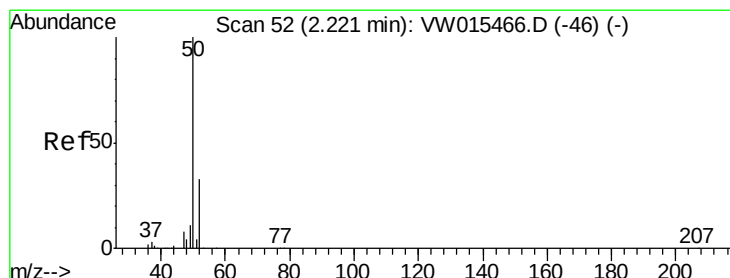
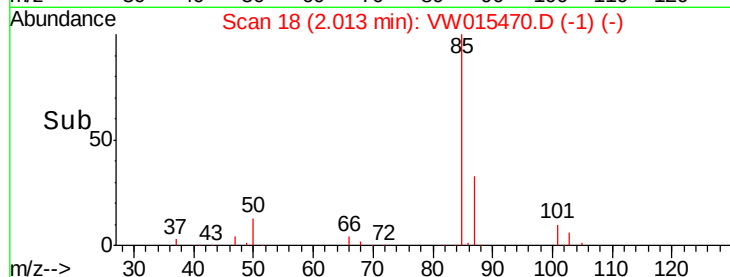
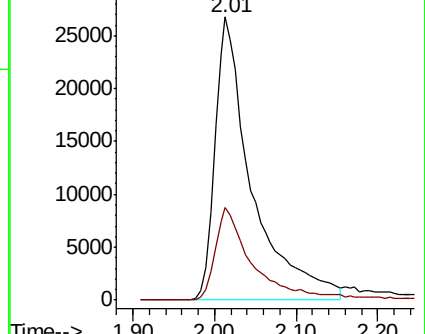
85 100

87 31.9 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.007 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015470.D

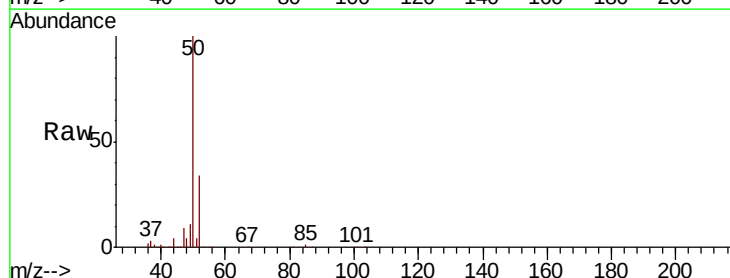
Acq: 26 May 2020 13:27

Tgt Ion: 50 Resp: 87475

Ion Ratio Lower Upper

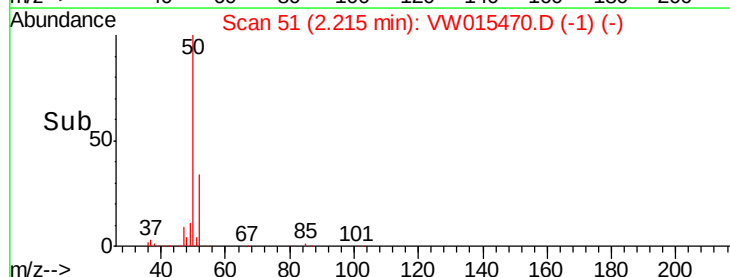
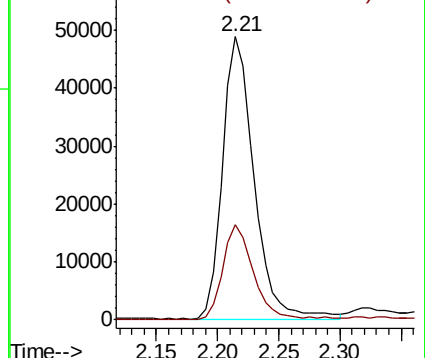
50 100

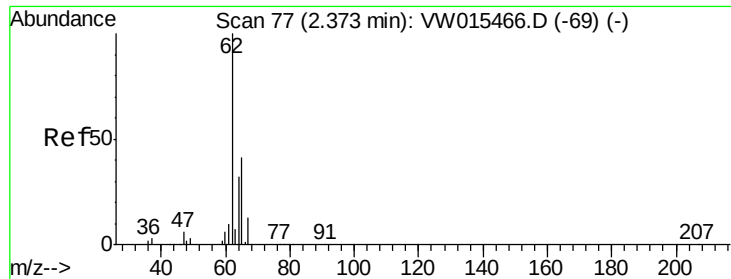
52 33.8 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.543 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

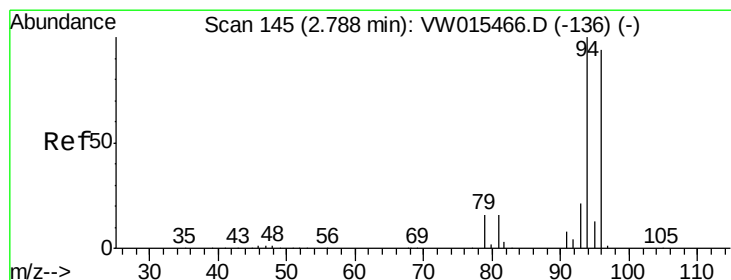
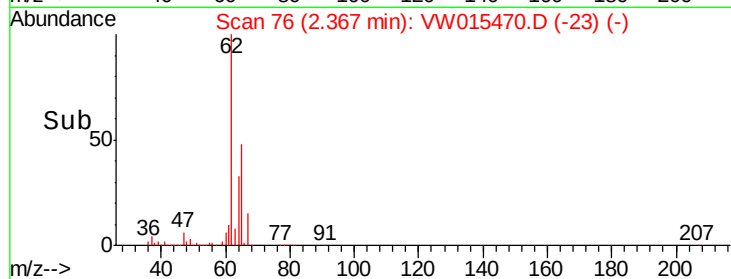
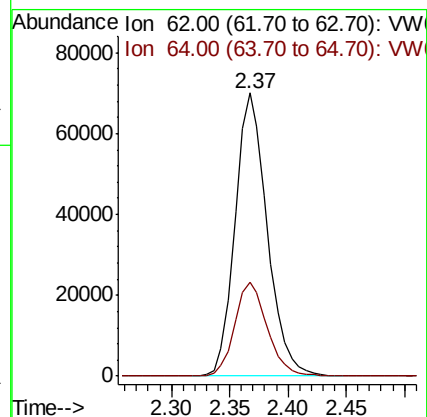
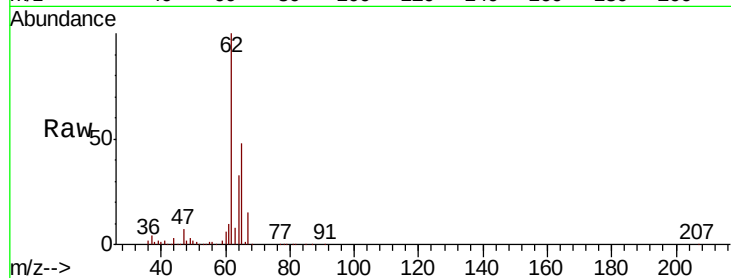
ClientSampleId :

Tot Ion: 62 Resp: 134614

Ion Ratio Lower Upper

62 100

64 33.1 22.6 42.0



#6

Bromomethane

Concen: 23.405 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015470.D

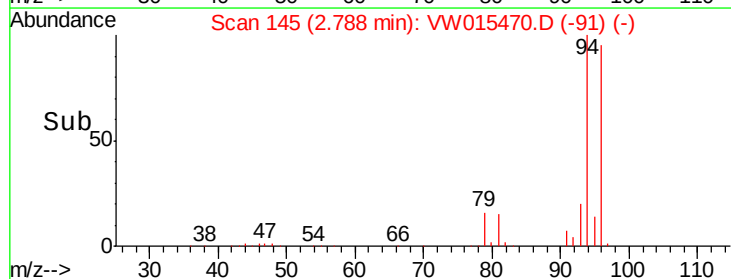
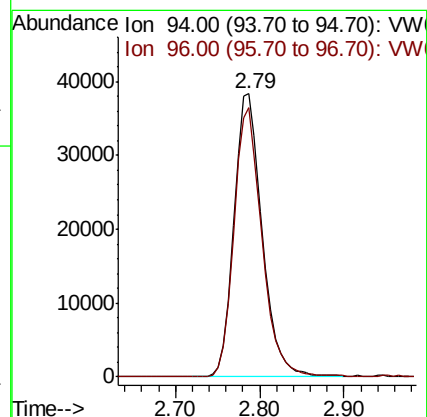
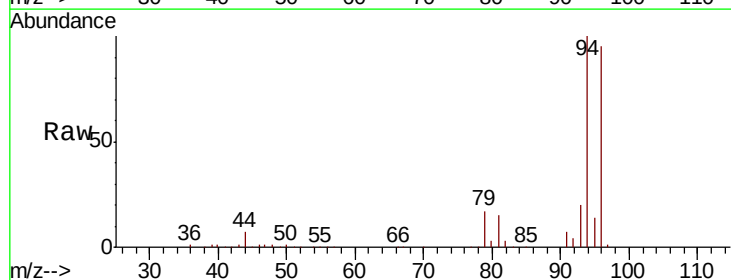
Acq: 26 May 2020 13:27

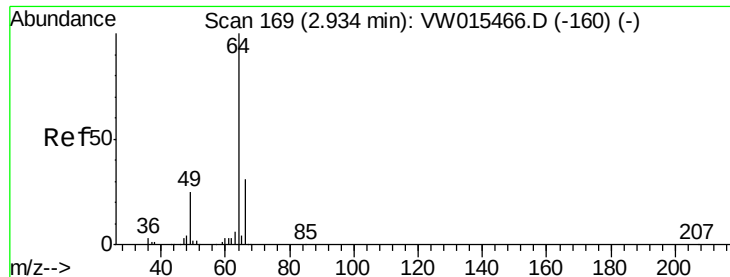
Tgt Ion: 94 Resp: 86983

Ion Ratio Lower Upper

94 100

96 94.2 9.3 177.5





#8

Chloroethane

Concen: 23.747 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

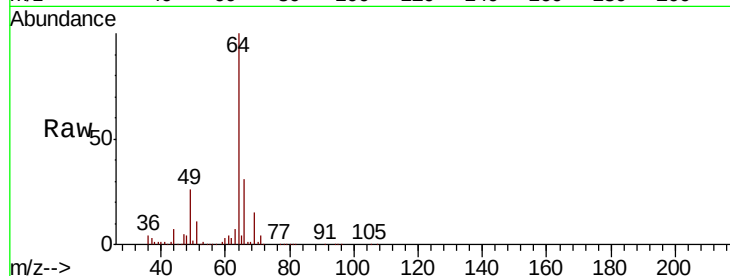
ClientSampleId :

Tot Ion: 64 Resp: 82653

Ion Ratio Lower Upper

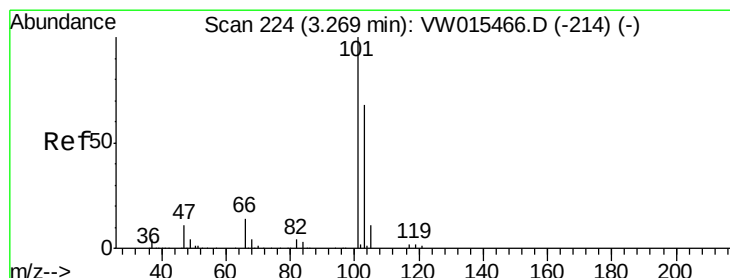
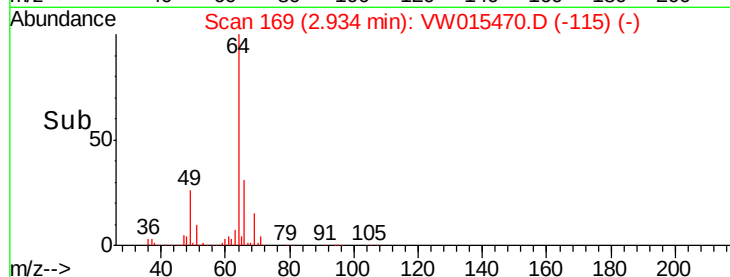
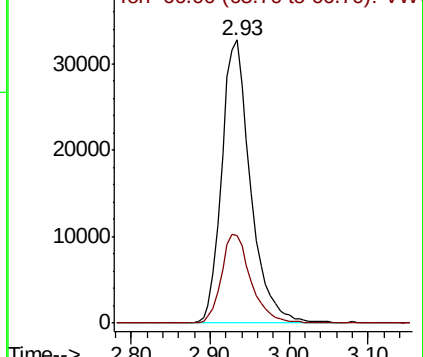
64 100

66 31.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 24.352 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015470.D

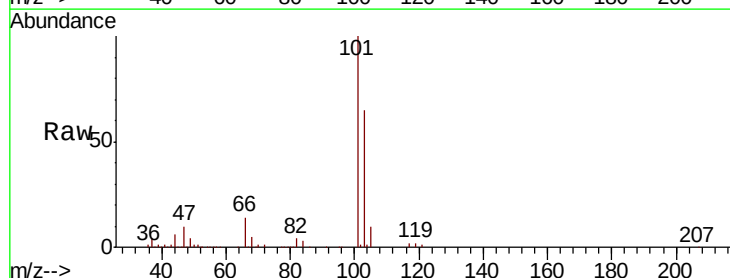
Acq: 26 May 2020 13:27

Tgt Ion: 101 Resp: 99089

Ion Ratio Lower Upper

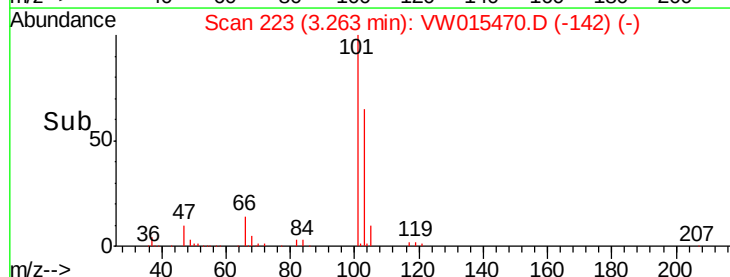
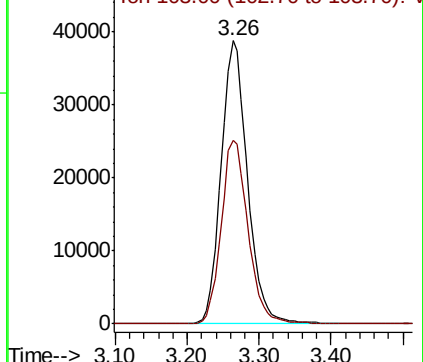
101 100

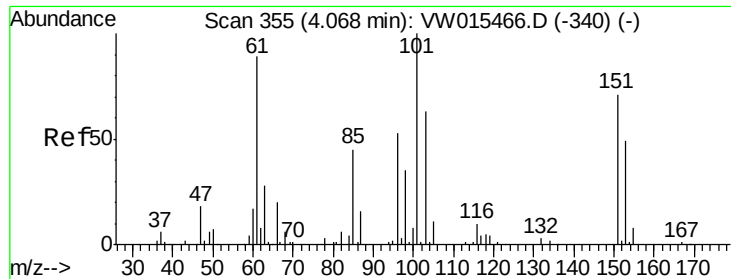
103 65.6 46.6 86.6



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: 23.857 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

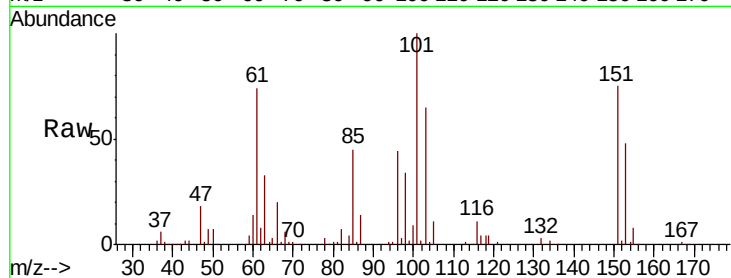
Tot Ion:101 Resp: 115136

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

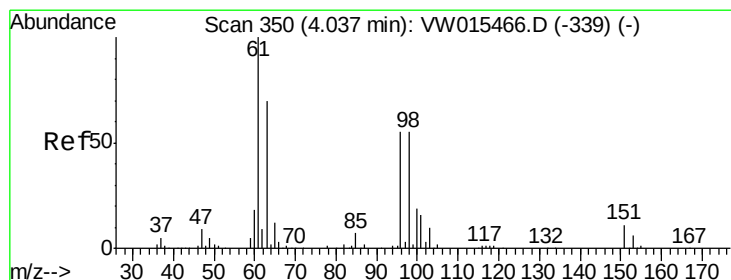
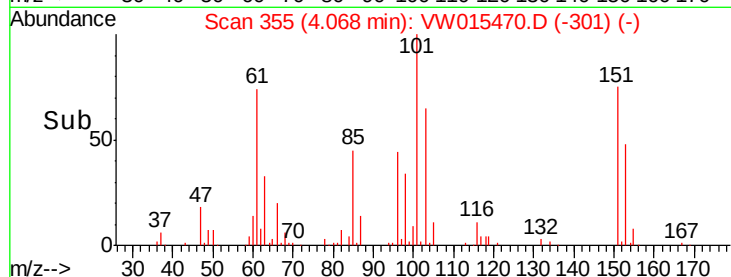
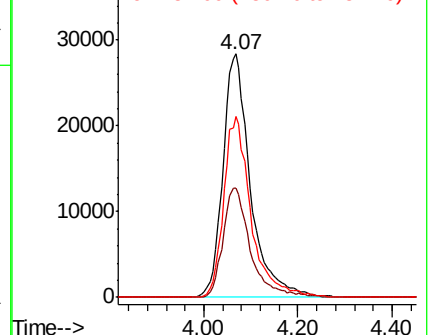
151 72.4 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.953 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

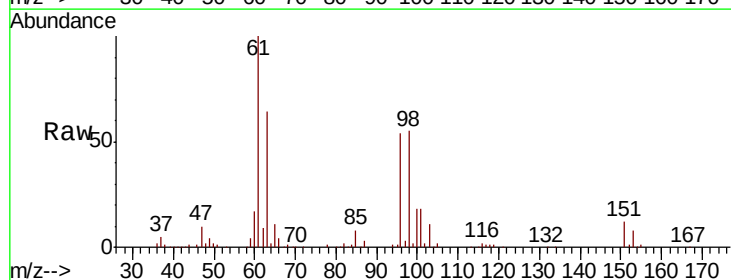
Tgt Ion: 96 Resp: 111664

Ion Ratio Lower Upper

96 100

61 183.9 127.7 237.1

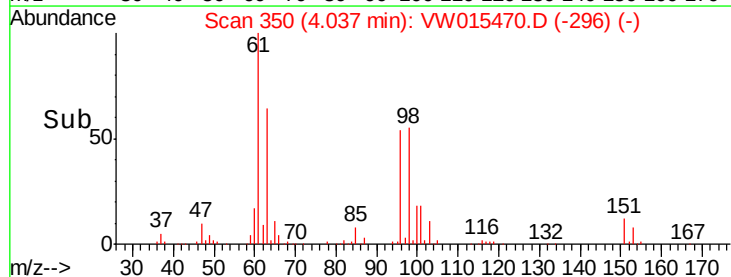
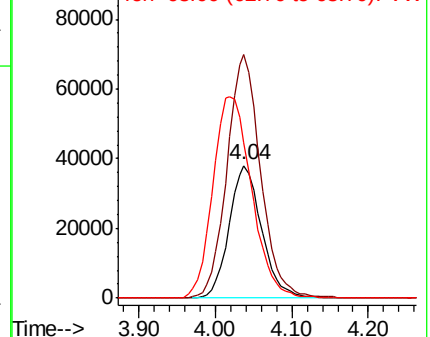
63 117.5 92.3 171.5

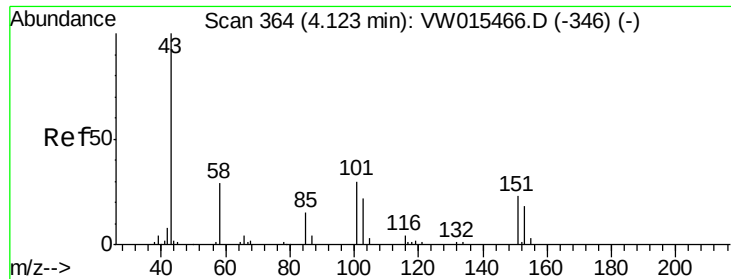


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

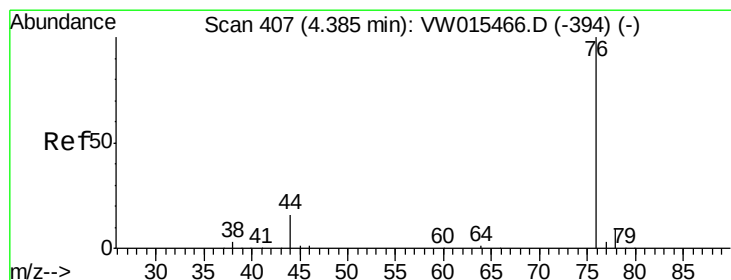
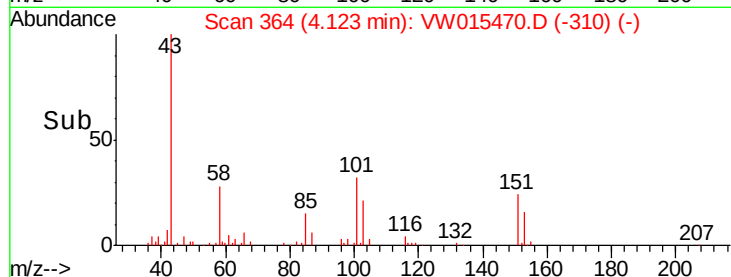
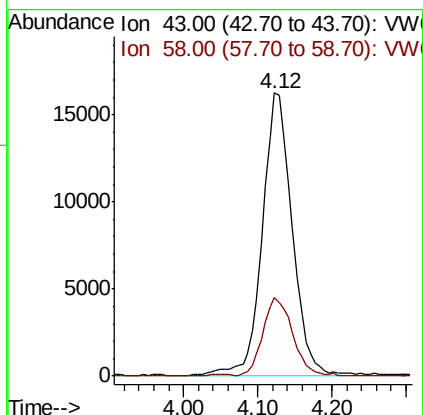
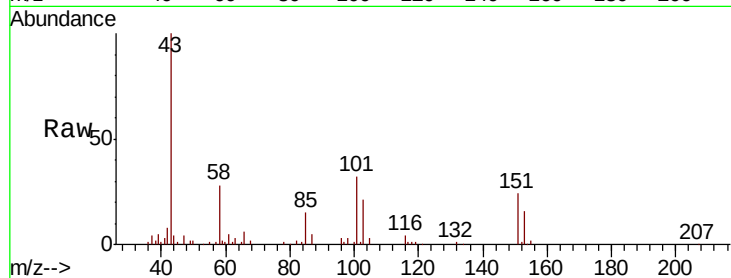




#13
Acetone
Concen: 50.687 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

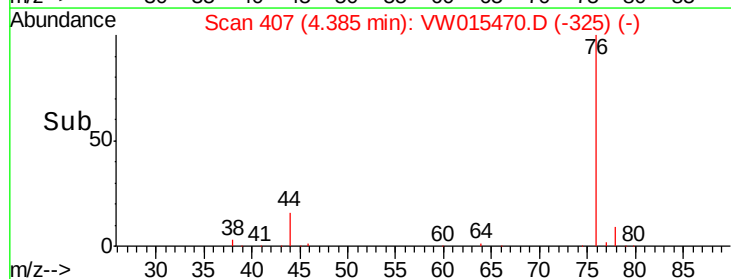
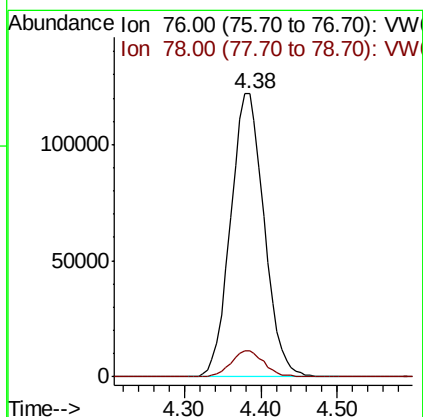
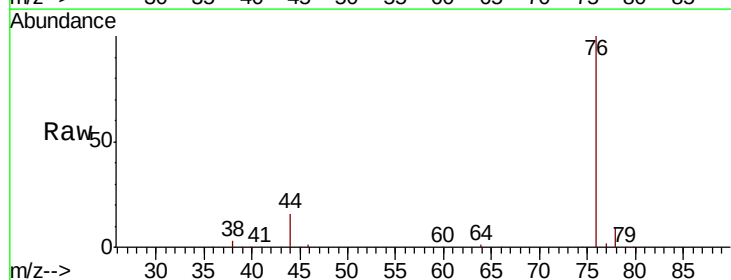
Instrument :
MSVOA_W
ClientSampled :

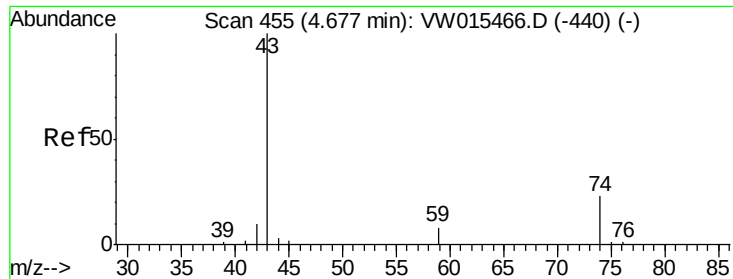
Tot Ion: 43 Resp: 45835
Ion Ratio Lower Upper
43 100
58 27.3 0.0 56.8



#14
Carbon disulfide
Concen: 23.839 ug/L
RT: 4.38 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion: 76 Resp: 370749
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9





#15

Methvl Acetate

Concen: 23.822 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

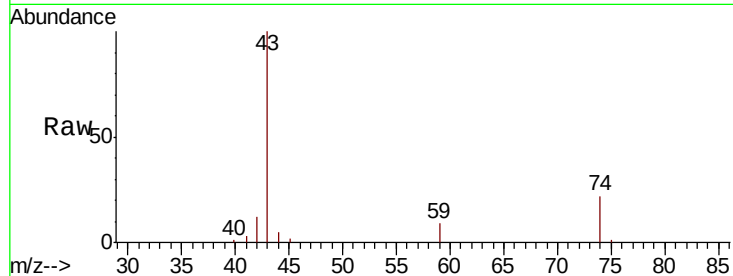
ClientSampleId :

Tot Ion: 43 Resp: 46604

Ion Ratio Lower Upper

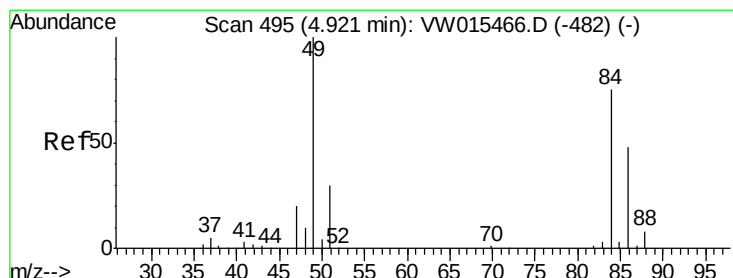
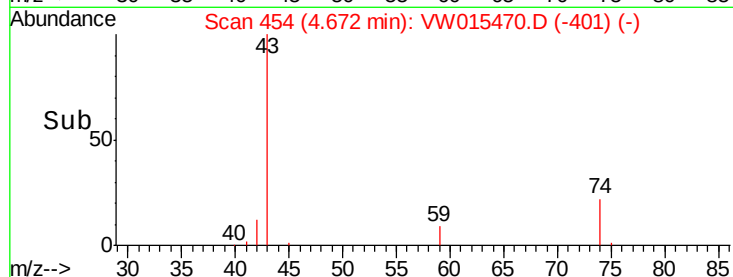
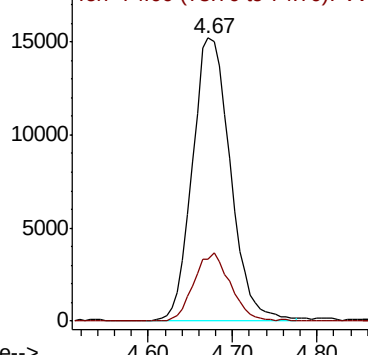
43 100

74 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.990 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

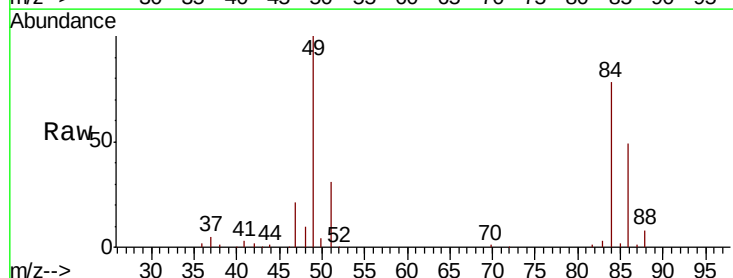
Tgt Ion: 84 Resp: 115109

Ion Ratio Lower Upper

84 100

49 127.5 93.0 172.8

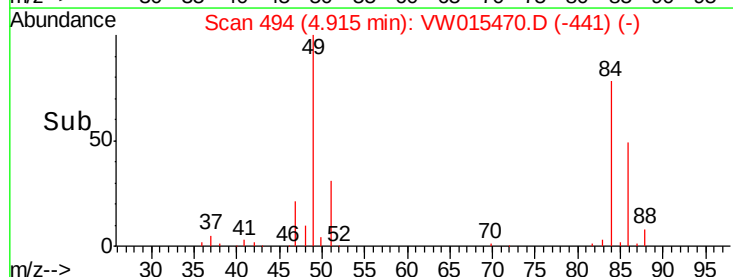
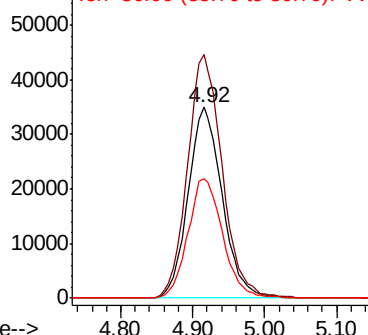
86 62.8 44.7 83.1

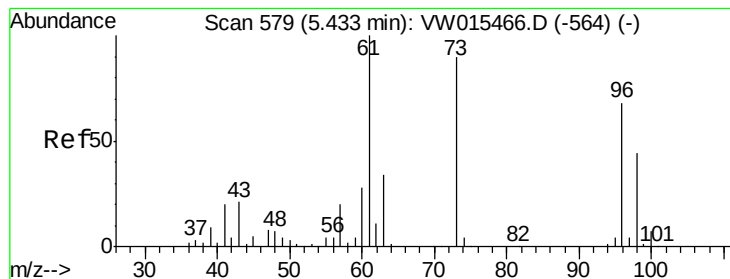


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



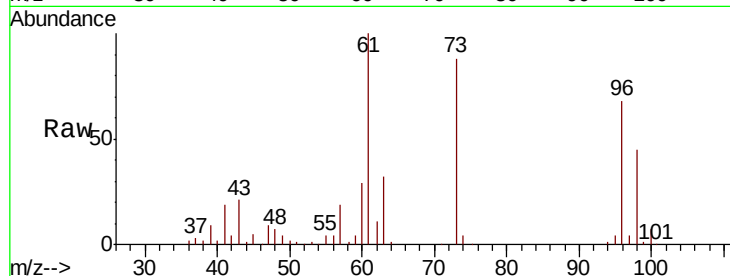


#17

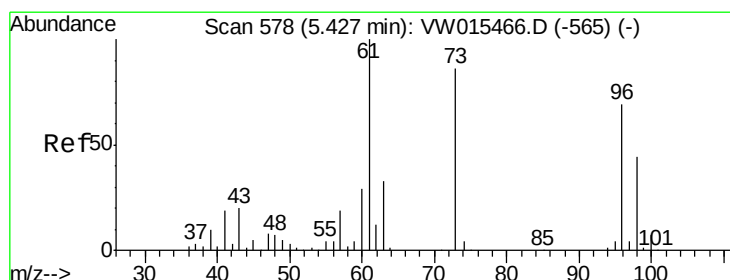
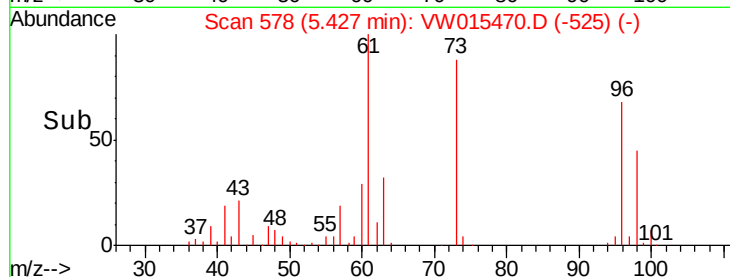
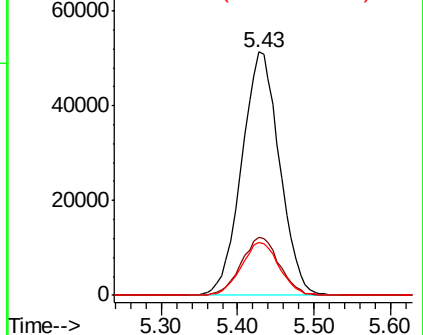
Methyl tert-butyl Ether
 Concen: 23.913 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 176904
 Ion Ratio Lower Upper
 73 100
 43 23.9 19.6 29.4
 57 21.8 17.7 26.5



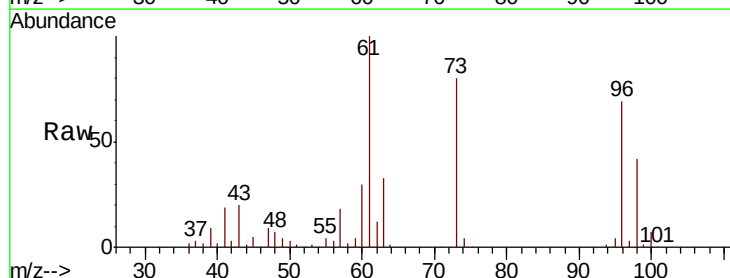
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



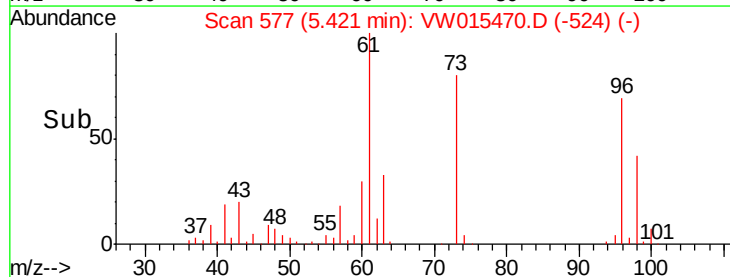
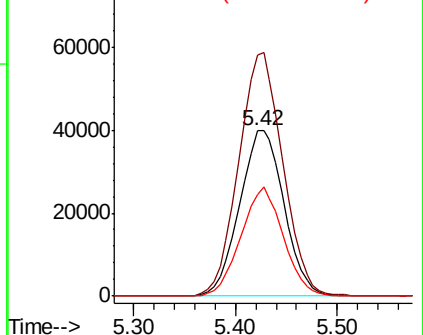
#18

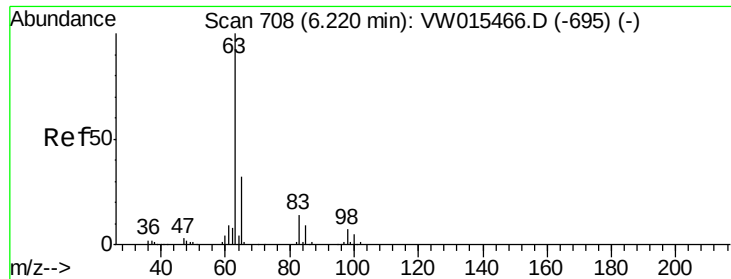
trans-1,2-Dichloroethene
 Concen: 24.157 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion: 96 Resp: 120687
 Ion Ratio Lower Upper
 96 100
 61 145.9 101.9 189.3
 98 61.2 44.9 83.5



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

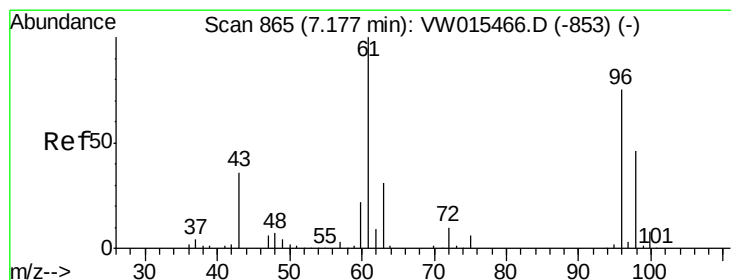
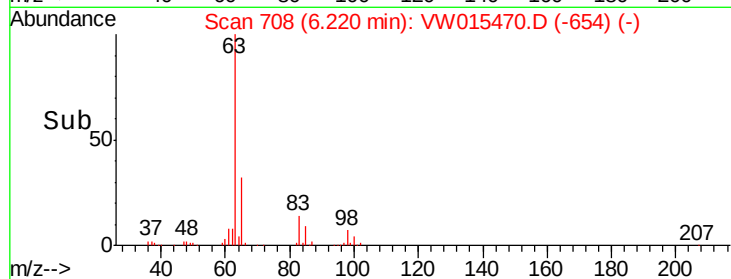
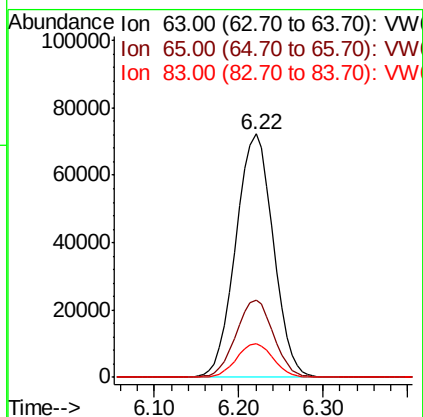
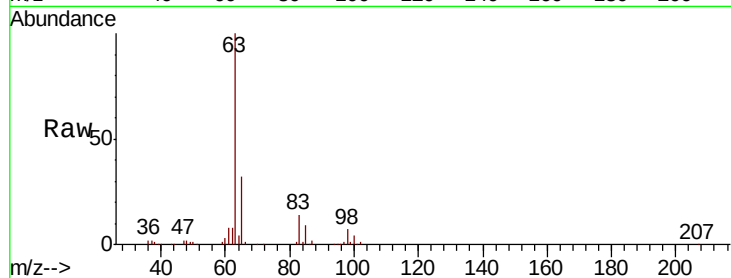




#19
 1,1-Dichloroethane
 Concen: 24.268 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

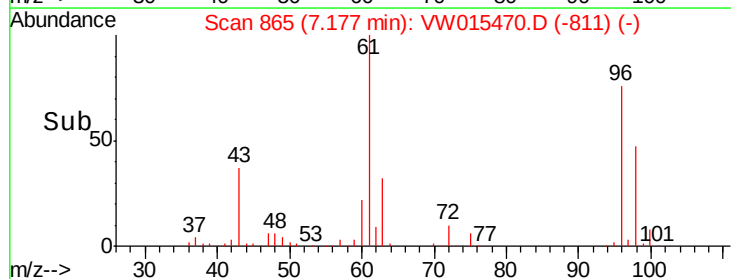
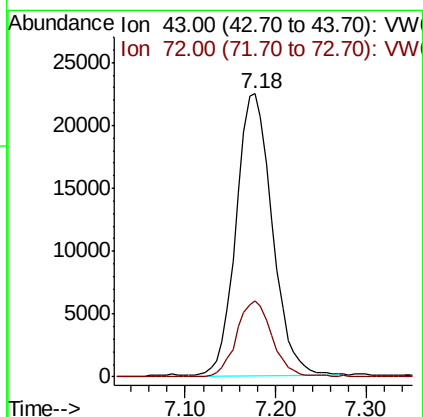
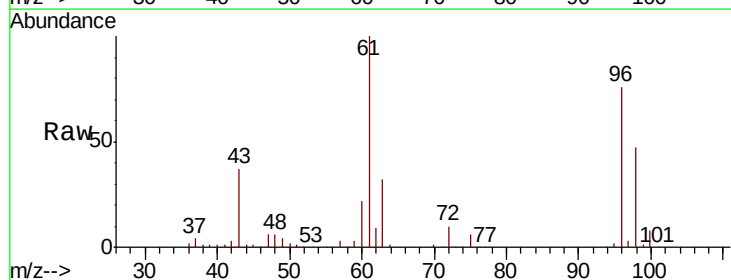
Instrument :
 MSVOA_W
 ClientSampled :

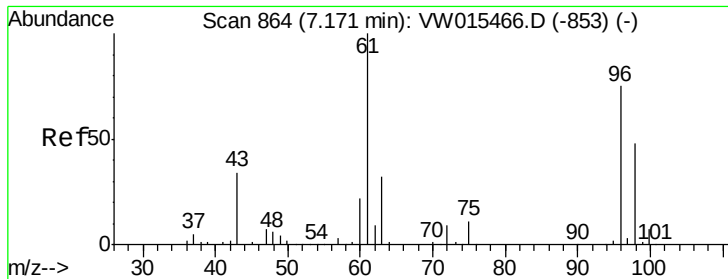
Tot Ion: 63 Resp: 218071
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.1 41.1
 83 13.6 9.7 17.9



#21
 2-Butanone
 Concen: 44.811 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion: 43 Resp: 62248
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.3 39.9



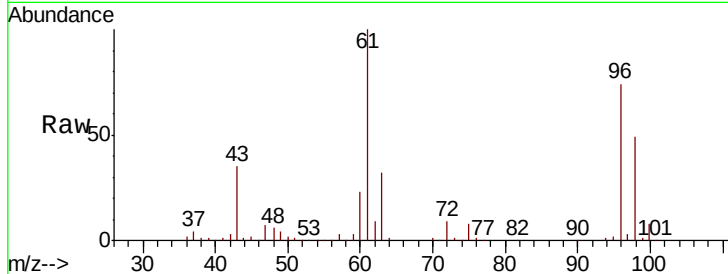


#22

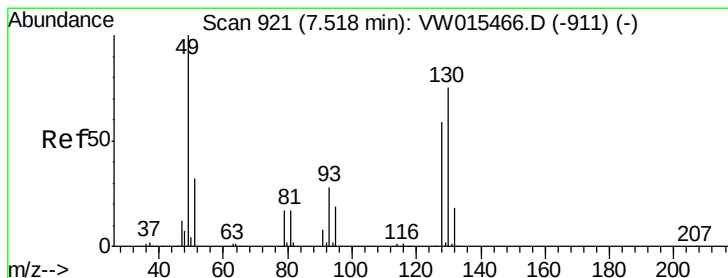
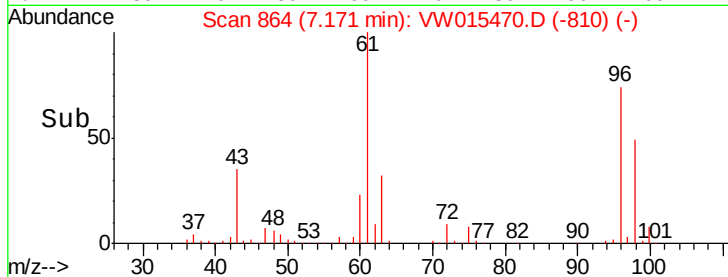
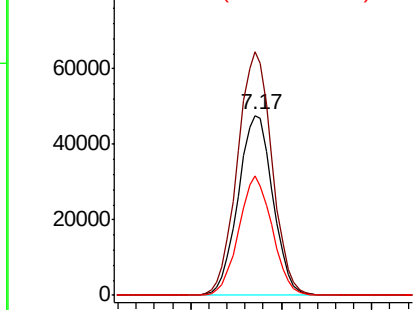
cis-1,2-Dichloroethene
Concen: 24.280 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 126539
Ion Ratio Lower Upper
96 100
61 135.2 93.7 173.9
98 66.1 45.1 83.9



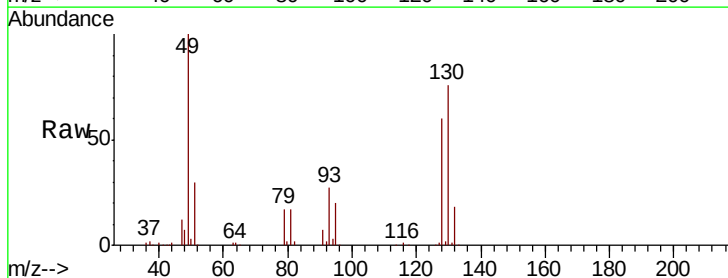
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



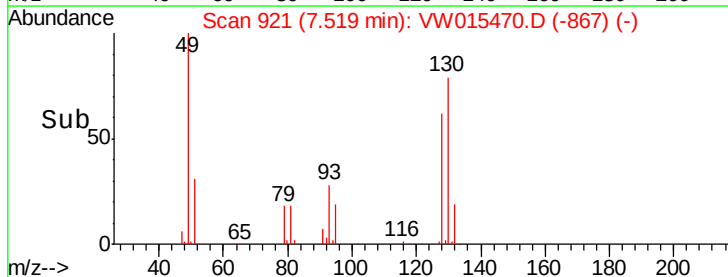
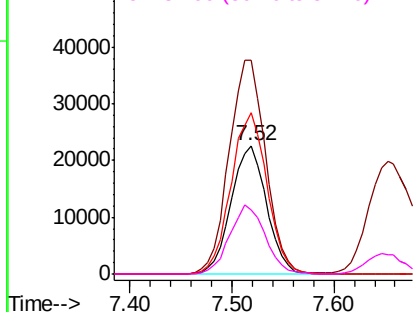
#23

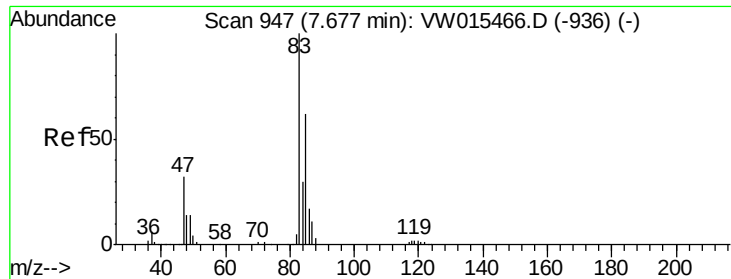
Bromochloromethane
Concen: 24.312 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion: 128 Resp: 54639
Ion Ratio Lower Upper
128 100
49 166.5 118.1 219.3
130 126.1 88.5 164.3
51 50.4 42.8 64.2



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

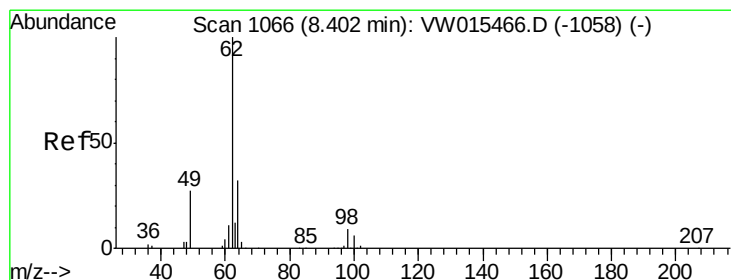
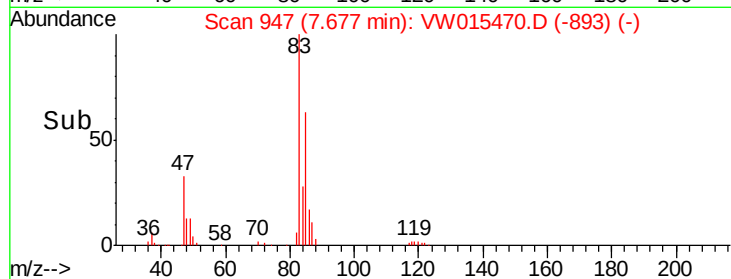
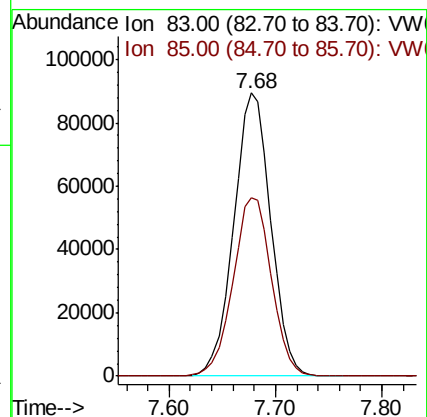
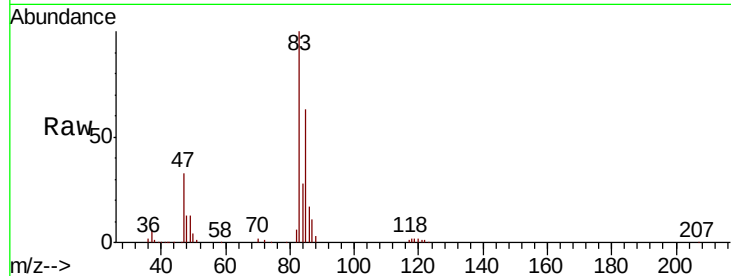




#25
Chloroform
Concen: 24.062 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

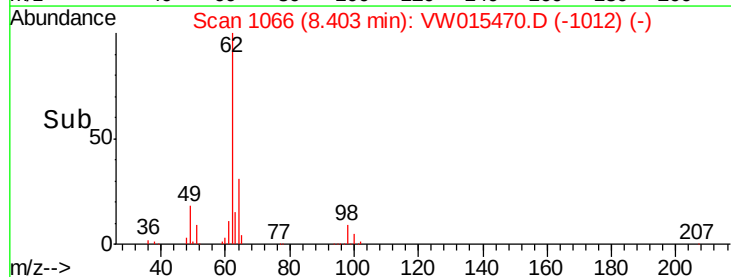
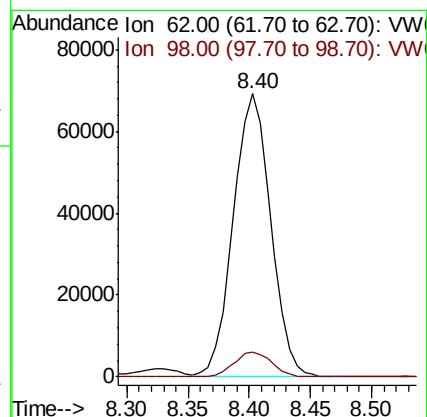
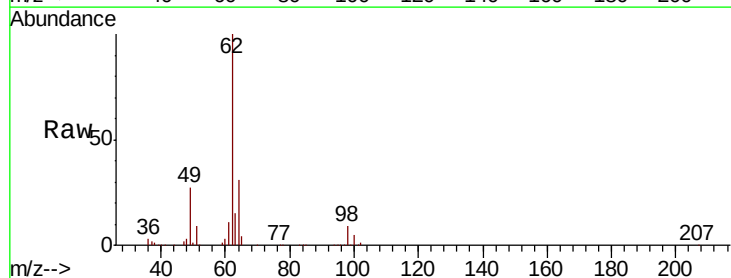
Instrument :
MSVOA_W
ClientSampled :

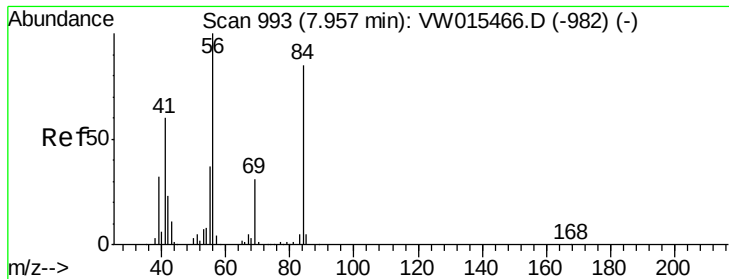
Tot Ion: 83 Resp: 217714
Ion Ratio Lower Upper
83 100
85 65.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.990 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion: 62 Resp: 146843
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

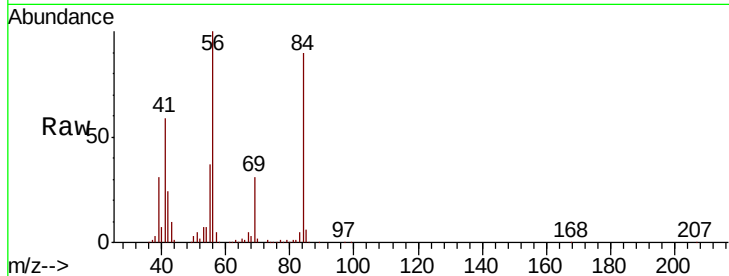




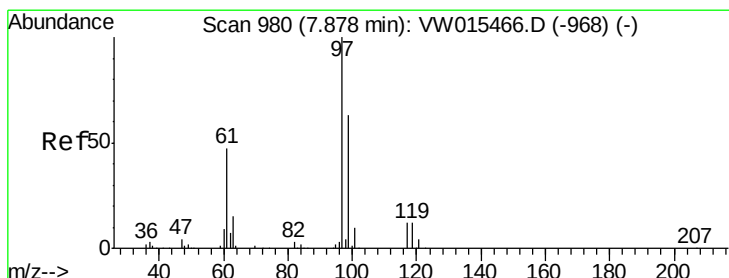
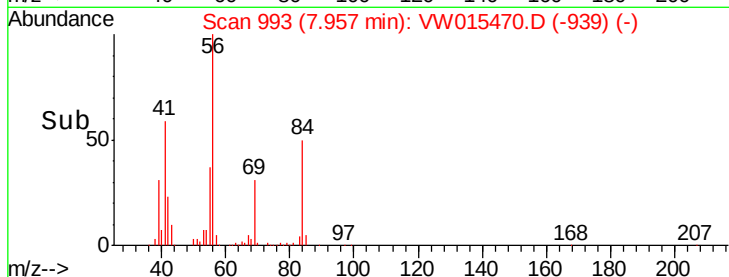
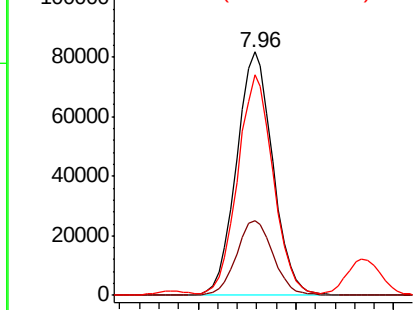
#30
Cyclohexane
Concen: 24.029 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 210840
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 88.7 69.6 104.4

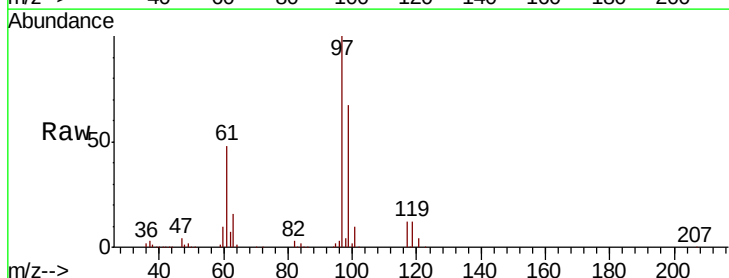


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

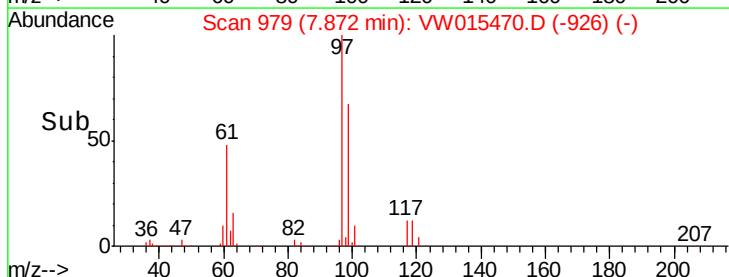
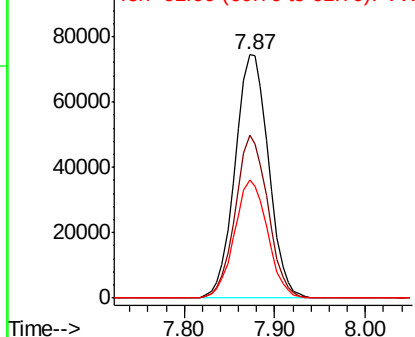


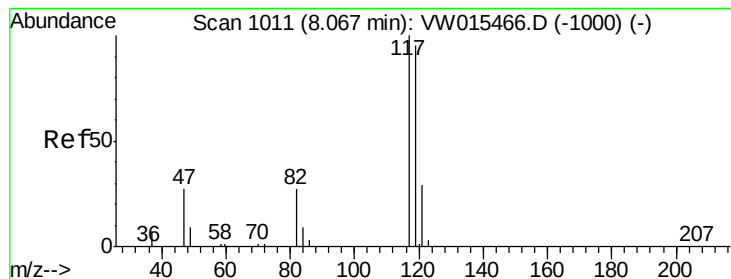
#31
1,1,1-Trichloroethane
Concen: 24.179 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion: 97 Resp: 192004
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 47.9 38.1 57.1



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: 24.168 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

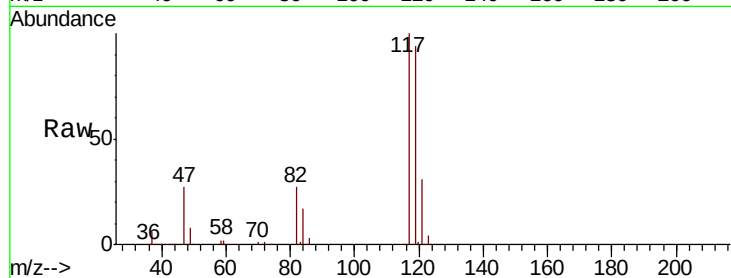
ClientSampled :

Tot Ion:117 Resp: 176024

Ion Ratio Lower Upper

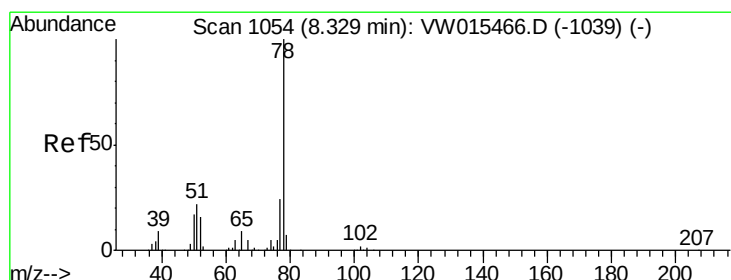
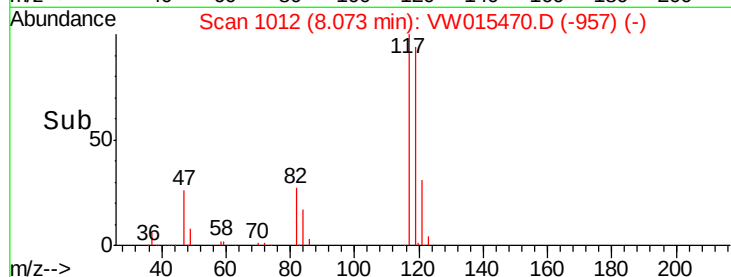
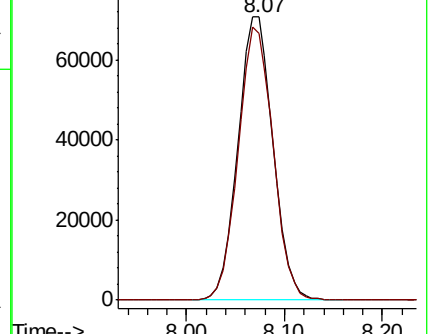
117 100

119 95.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.443 ug/L

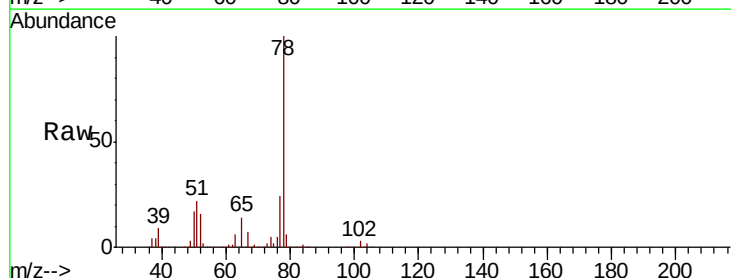
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

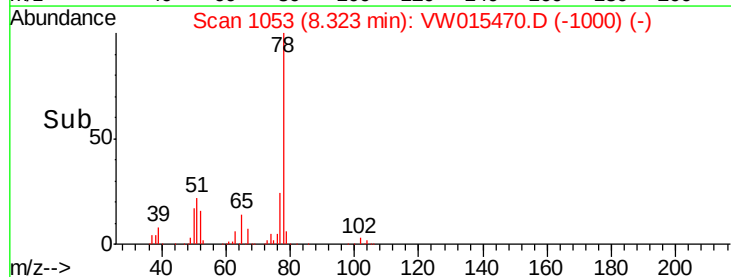
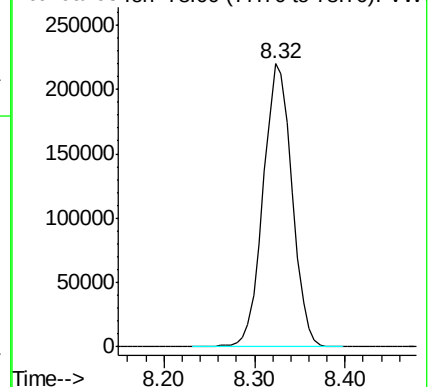
Lab File: VW015470.D

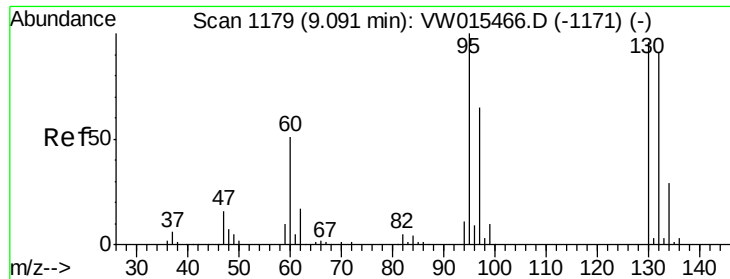
Acq: 26 May 2020 13:27

Tgt Ion: 78 Resp: 485207



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.172 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 128889

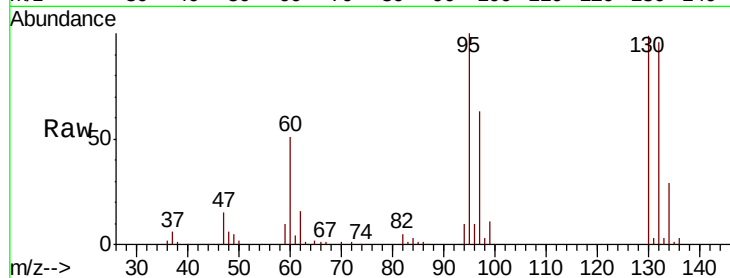
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 96.4 67.1 124.7

130 101.0 69.4 128.8



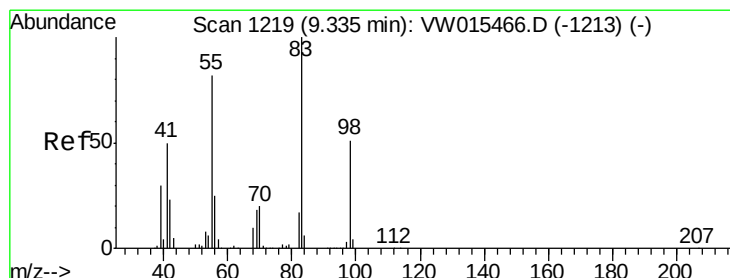
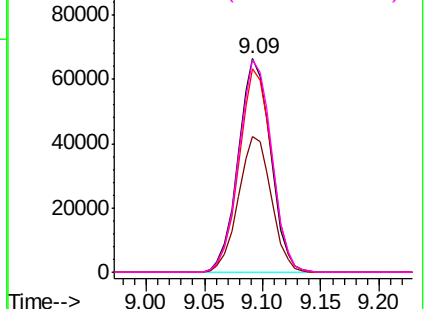
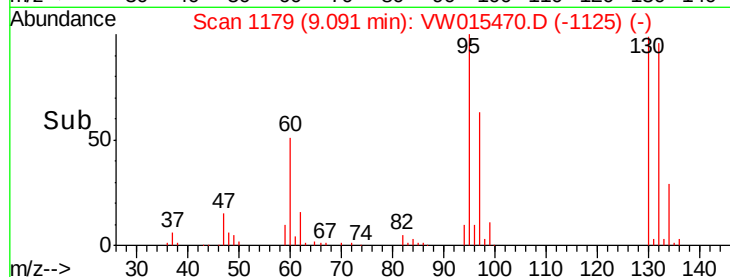
Abundance

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: 24.135 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

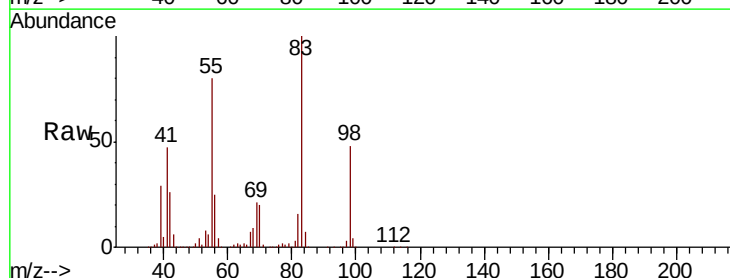
Tgt Ion: 83 Resp: 229515

Ion Ratio Lower Upper

83 100

55 79.9 62.8 94.2

98 49.4 39.2 58.8

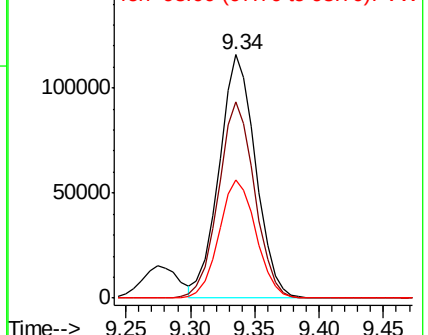
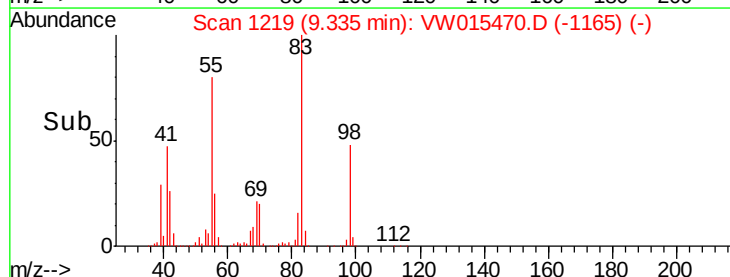


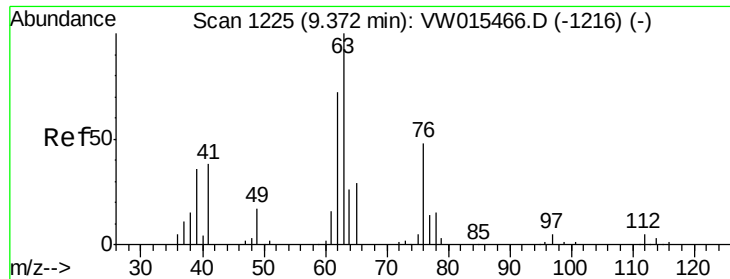
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

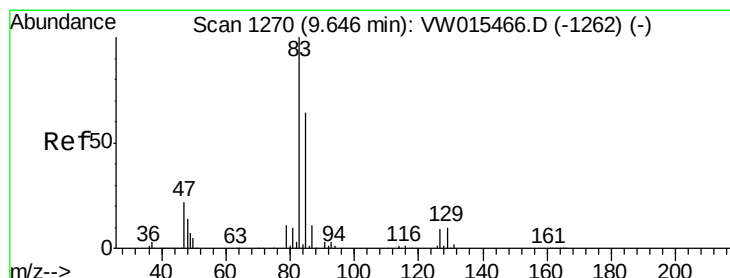
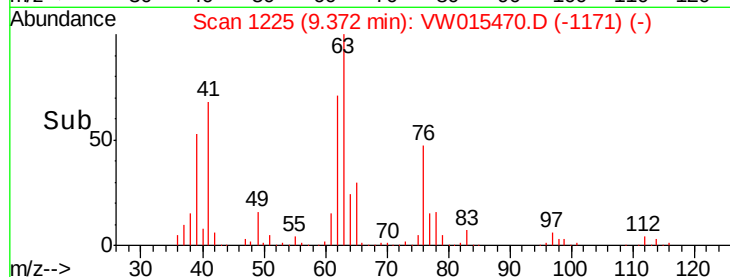
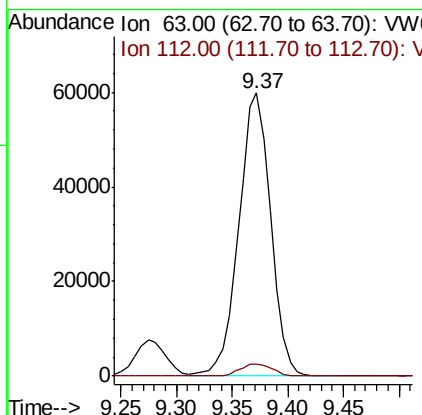
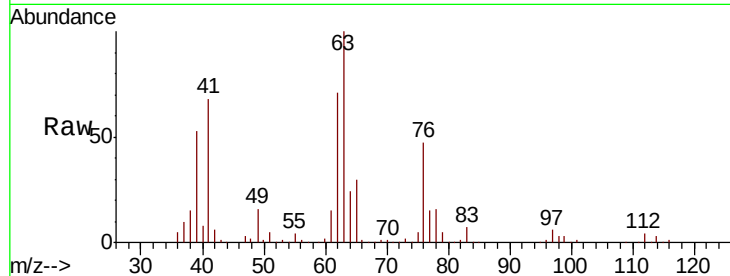




#40
1,2-Dichloropropane
Concen: 24.278 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

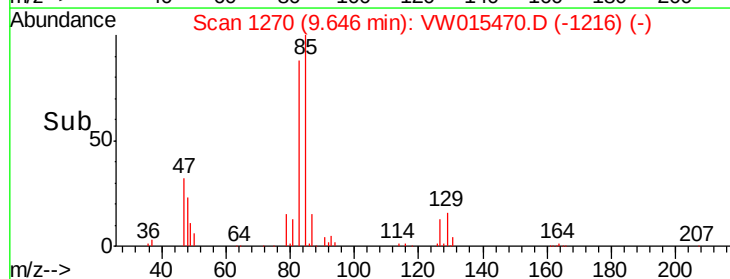
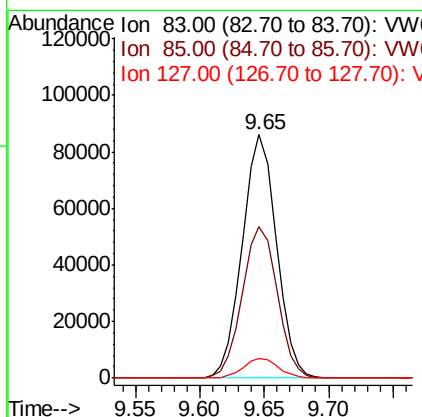
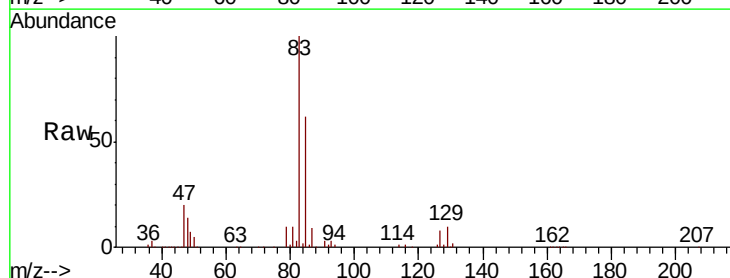
Instrument :
MSVOA_W
ClientSampled :

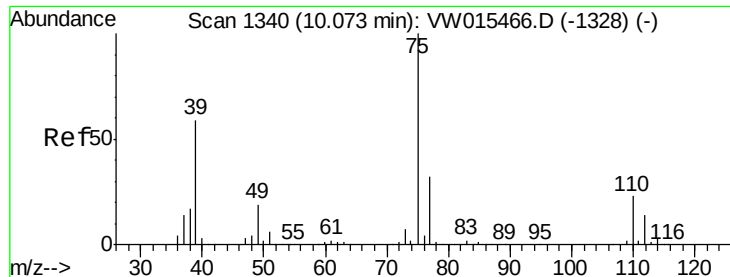
Tot Ion: 63 Resp: 118678
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8



#41
Bromodichloromethane
Concen: 24.247 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion: 83 Resp: 158344
Ion Ratio Lower Upper
83 100
85 62.4 44.8 83.2
127 8.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.467 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

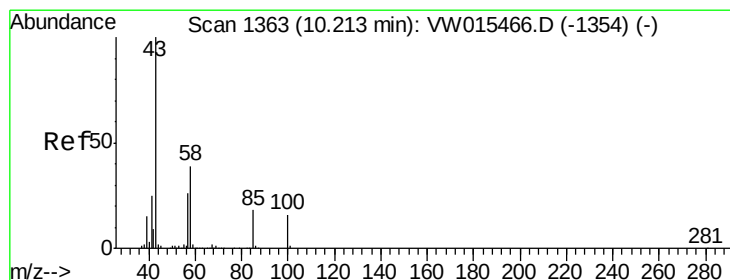
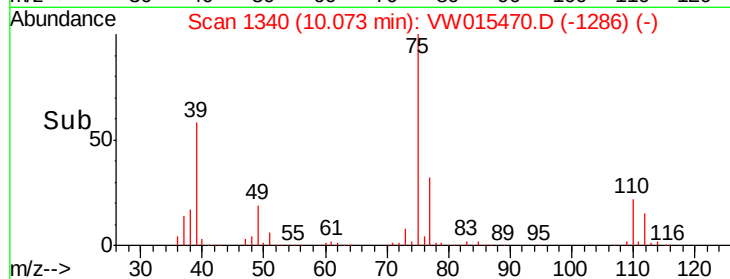
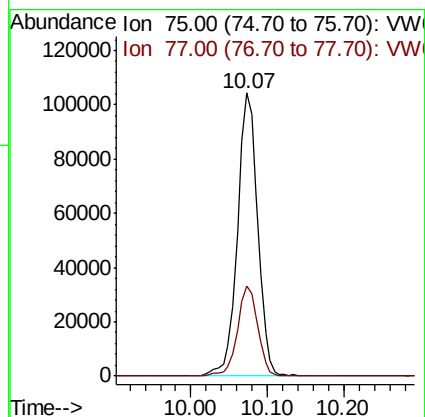
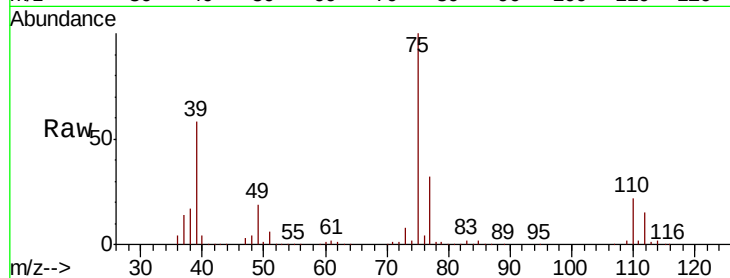
ClientSampleId :

Tot Ion: 75 Resp: 191394

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 46.622 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

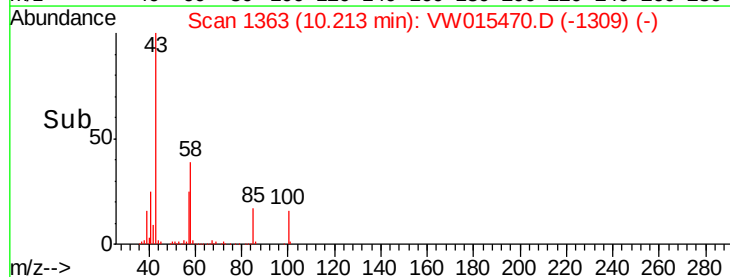
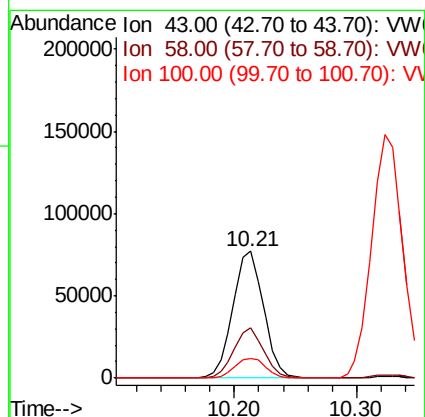
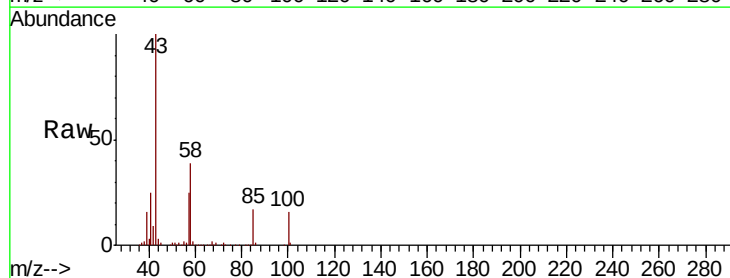
Tgt Ion: 43 Resp: 133595

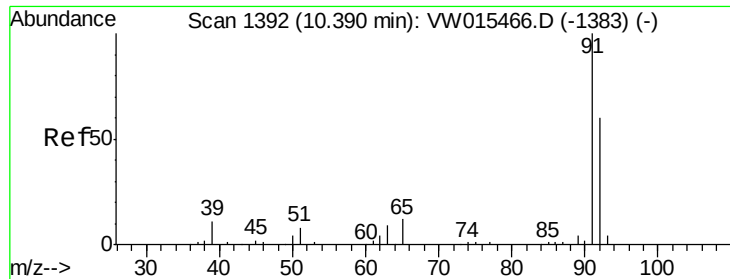
Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0

100 16.1 12.5 18.7





#44

Toluene

Concen: 24.582 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

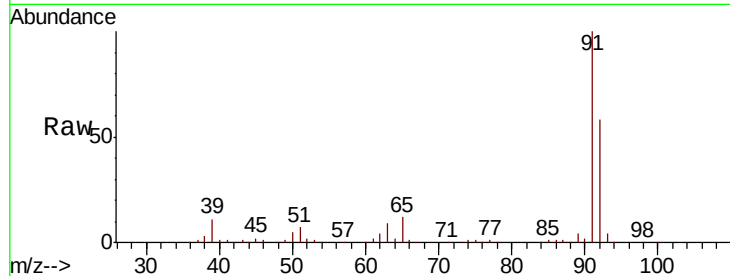
ClientSampleId :

Tot Ion: 91 Resp: 531625

Ion Ratio Lower Upper

91 100

92 58.5 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

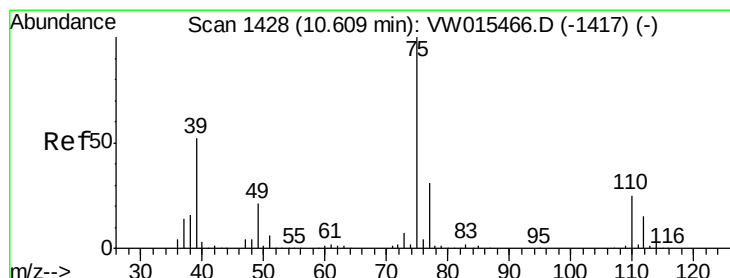
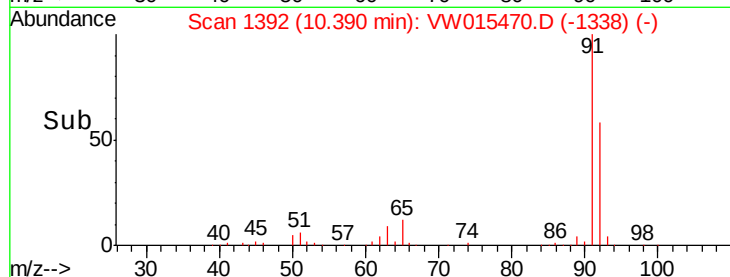
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.689 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015470.D

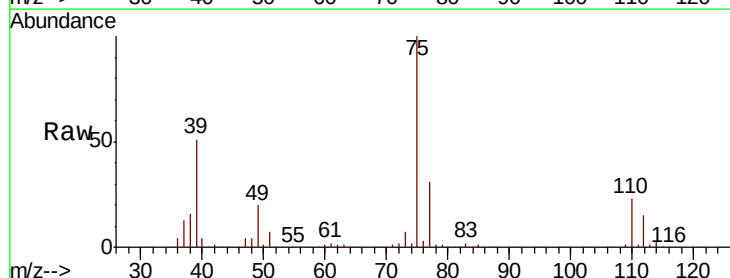
Acq: 26 May 2020 13:27

Tgt Ion: 75 Resp: 168072

Ion Ratio Lower Upper

75 100

77 30.9 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

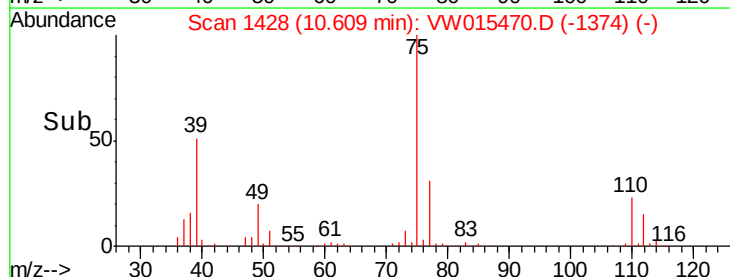
60000

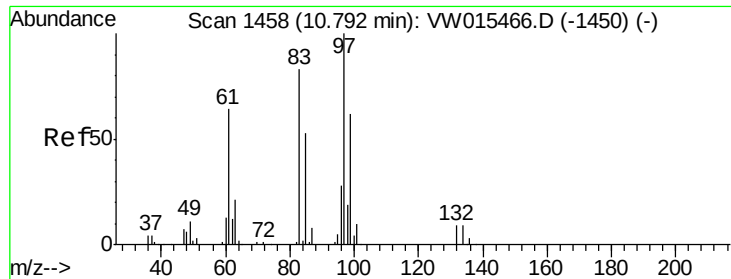
40000

20000

0

Time-->

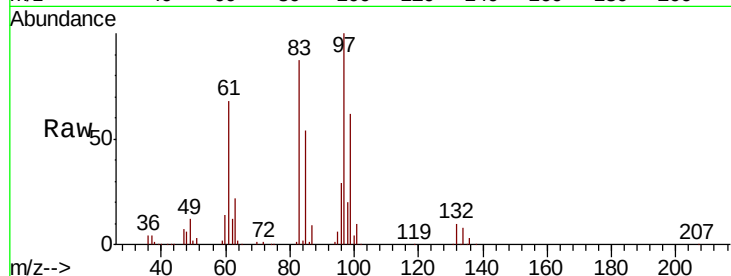




#46
 1,1,2-Trichloroethane
 Concen: 24.228 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	82857
Ion	Ratio	Lower	Upper
97	100		
83	86.6	58.2	108.2
85	54.0	37.4	69.4
99	62.4	43.7	81.1



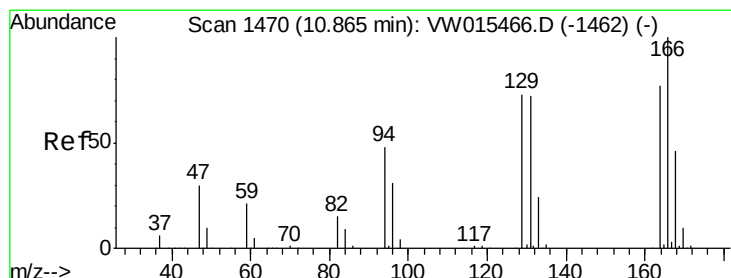
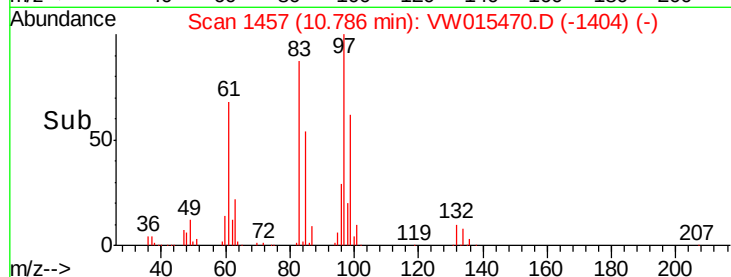
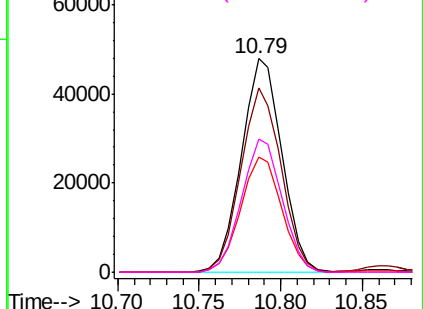
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

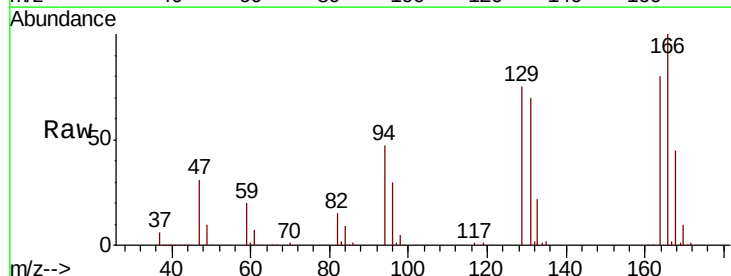
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.479 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion:	164	Resp:	103465
Ion	Ratio	Lower	Upper
164	100		
129	92.8	66.3	123.1
131	87.7	65.1	120.9
166	124.5	90.8	168.6



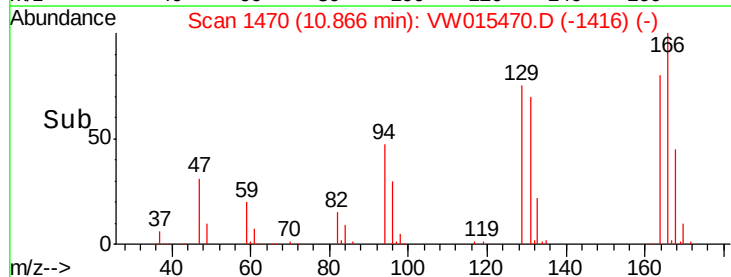
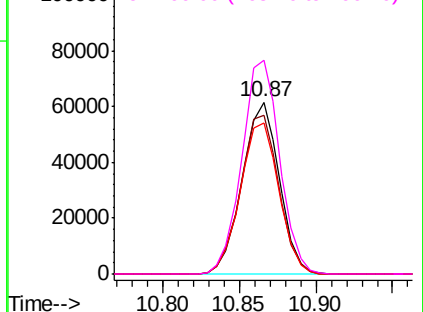
Abundance

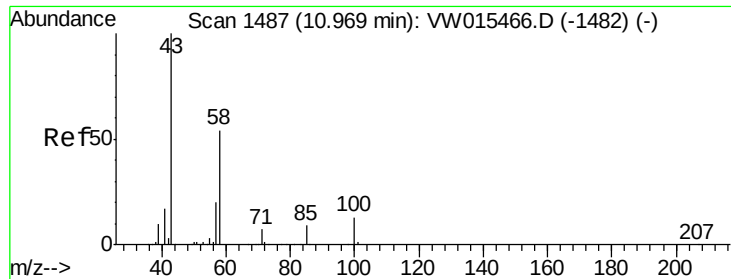
Ion 164.00 (163.70 to 164.70): V

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

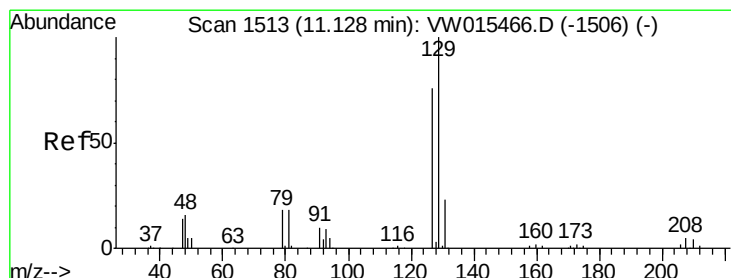
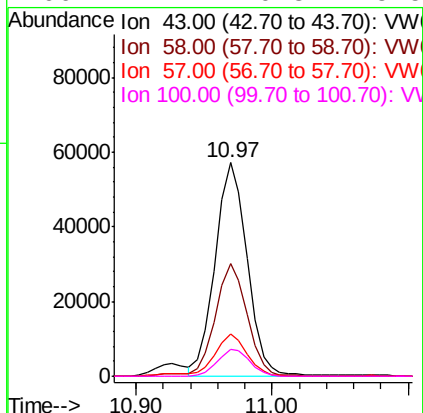
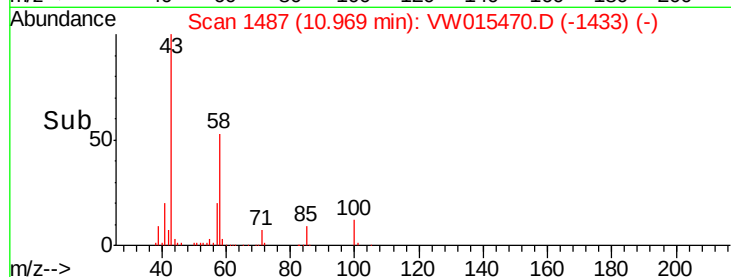
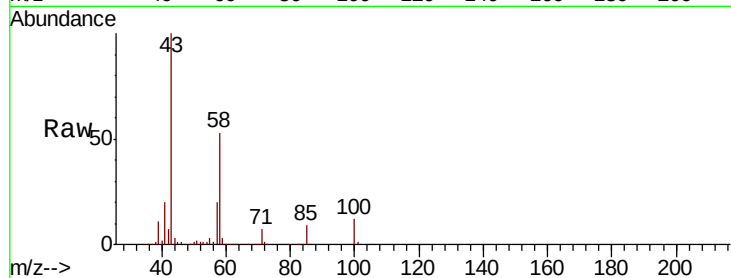




#49
2-Hexanone
Concen: 48.291 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

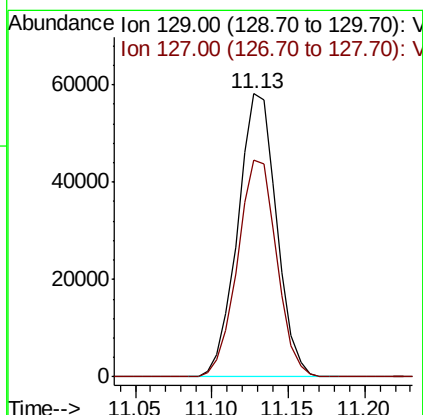
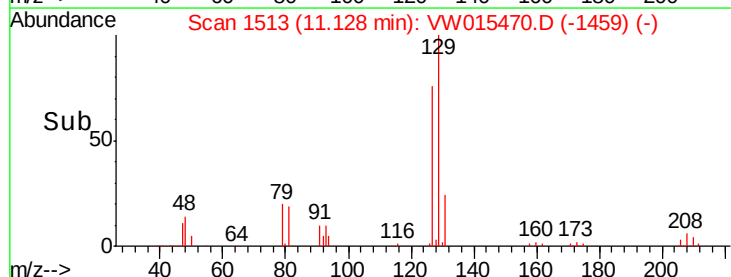
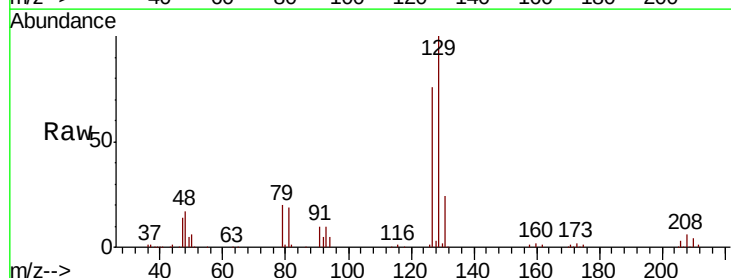
Instrument :
MSVOA_W
ClientSampleId :

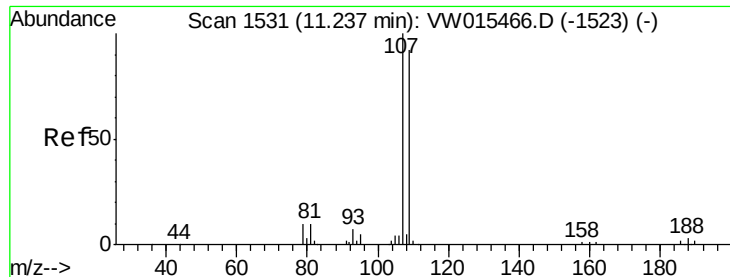
Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	42.6	64.0
57	19.3	15.5	23.3
100	12.7	10.3	15.5



#50
Dibromochloromethane
Concen: 24.657 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.0	98.4

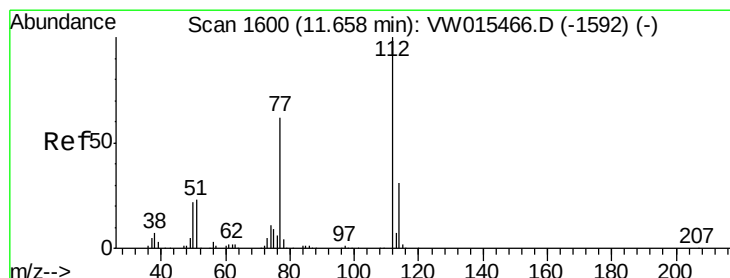
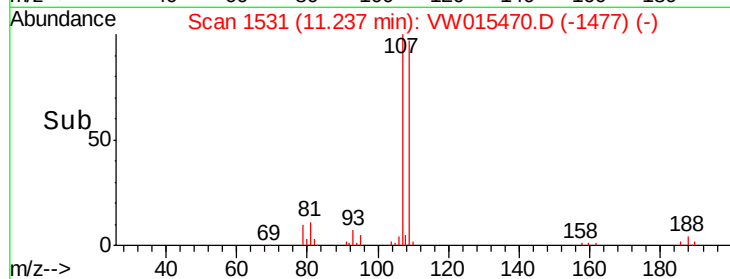
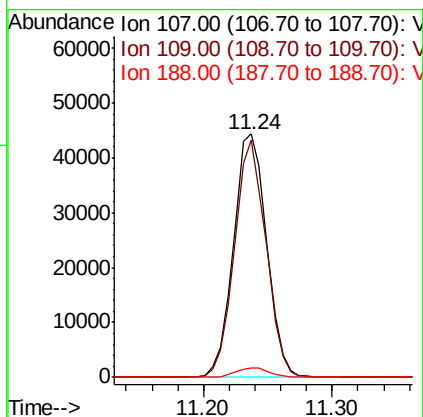
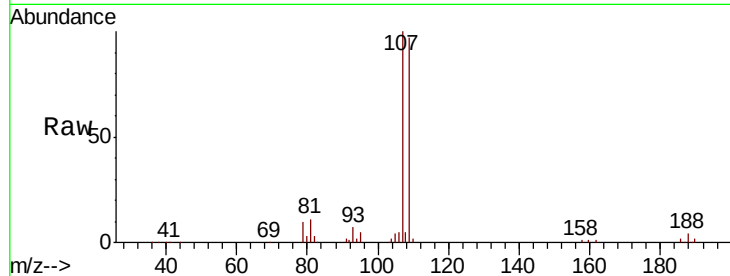




#51
 1,2-Dibromoethane
 Concen: 24.109 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

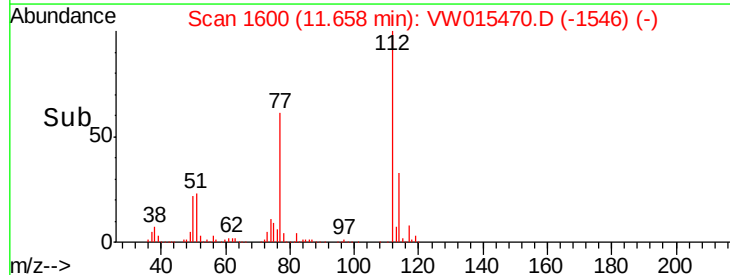
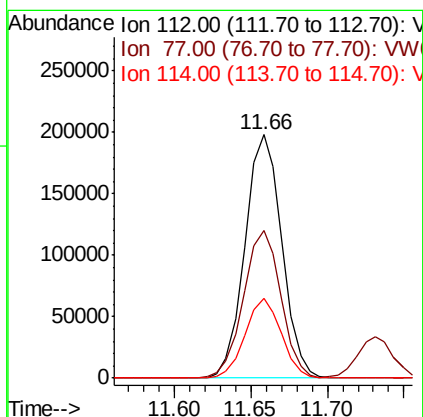
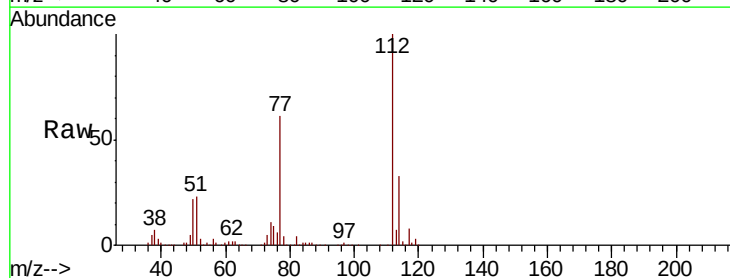
Instrument :
 MSVOA_W
 ClientSampleId :

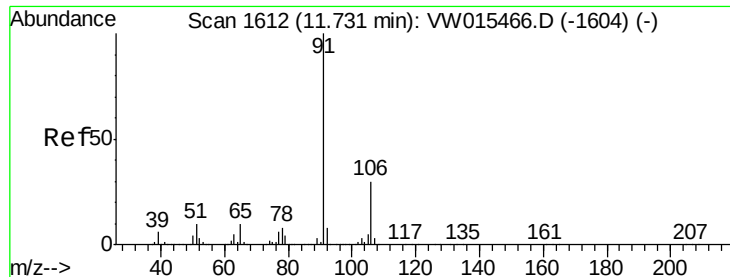
Tot Ion:107 Resp: 79155
 Ion Ratio Lower Upper
 107 100
 109 97.5 64.6 120.0
 188 3.6 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.471 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion:112 Resp: 331950
 Ion Ratio Lower Upper
 112 100
 77 60.8 49.7 74.5
 114 32.7 21.8 40.6





#53

Ethylbenzene

Concen: 24.422 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

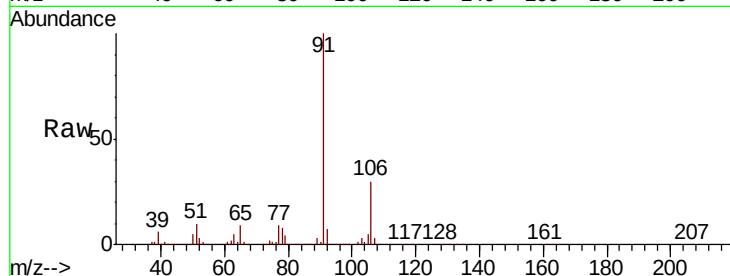
ClientSampled :

Tot Ion: 91 Resp: 606463

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

400000

300000

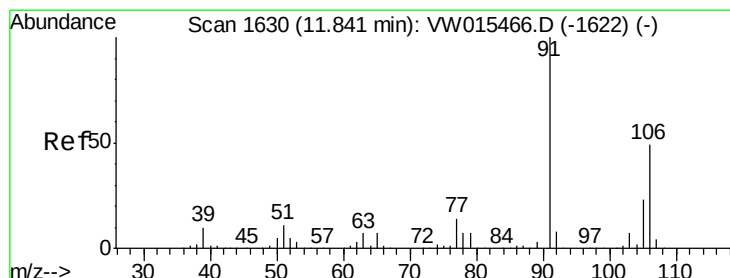
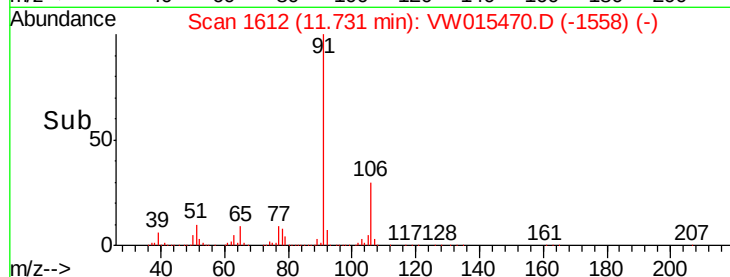
200000

100000

0

11.70 11.80

Time-->



#54

m,p-Xylene

Concen: 24.465 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015470.D

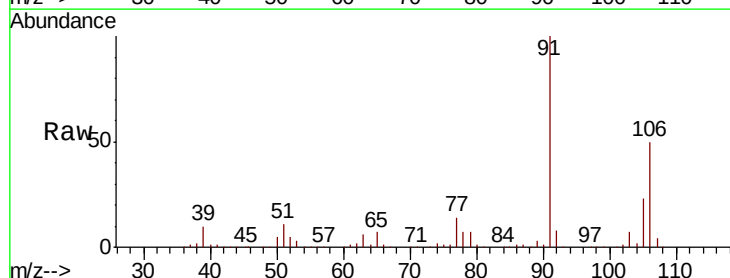
Acq: 26 May 2020 13:27

Tgt Ion: 106 Resp: 227974

Ion Ratio Lower Upper

106 100

91 198.2 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

300000

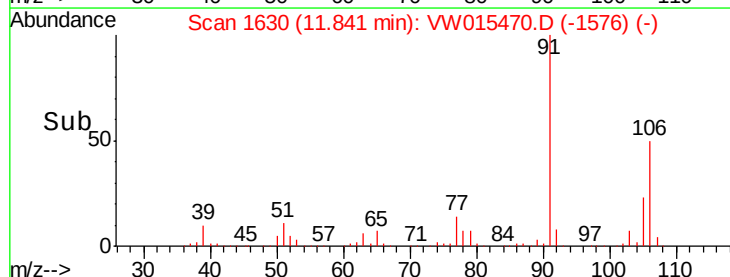
200000

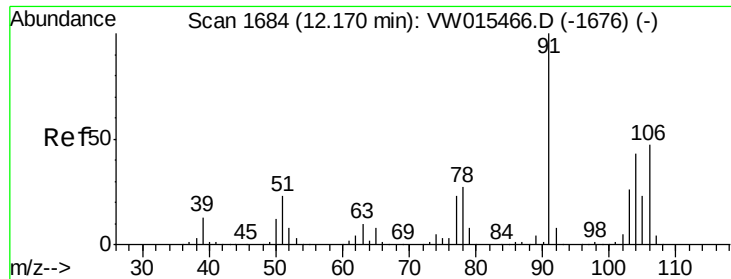
100000

0

11.75 11.80 11.85 11.90

Time-->

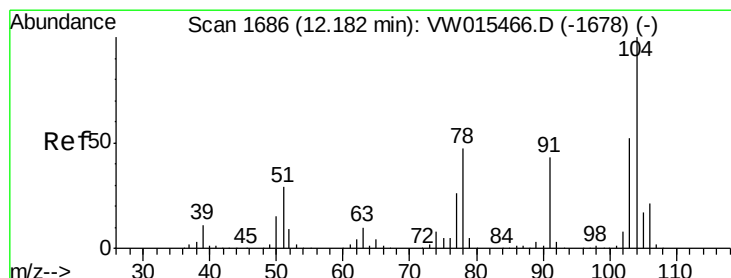
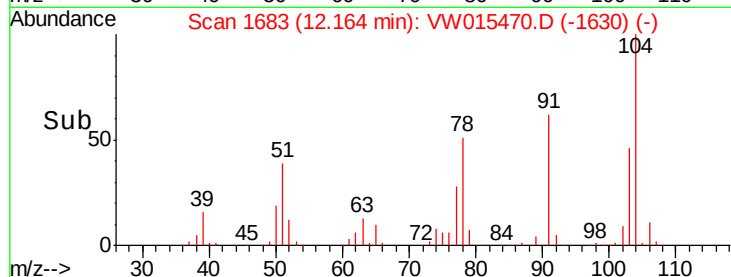
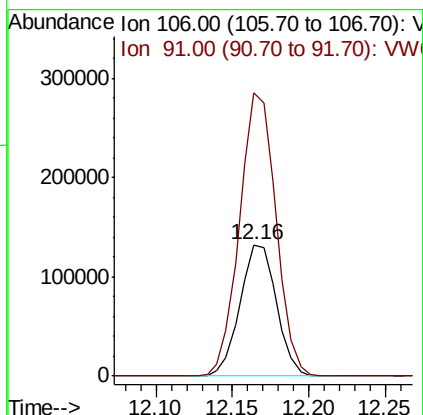
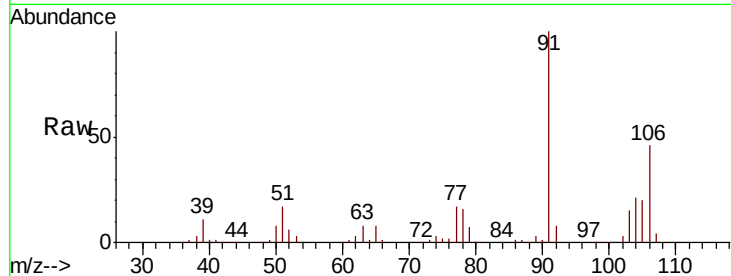




#55
o-xylene
Concen: 24.778 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

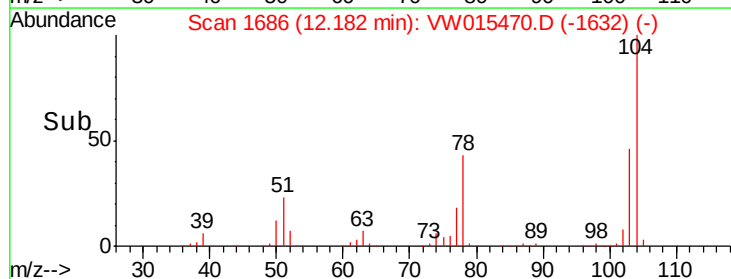
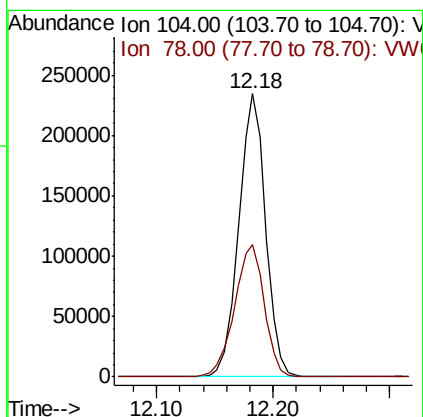
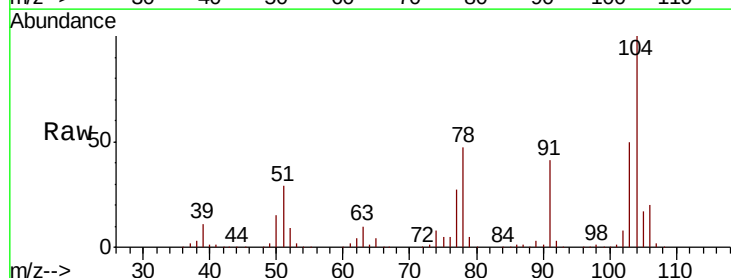
Instrument :
MSVOA_W
ClientSampled :

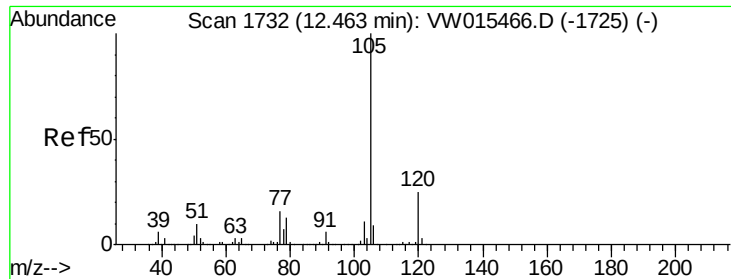
Tot Ion:106 Resp: 219163
Ion Ratio Lower Upper
106 100
91 215.3 149.0 276.6



#56
Styrene
Concen: 24.822 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015470.D
Acq: 26 May 2020 13:27

Tgt Ion:104 Resp: 375157
Ion Ratio Lower Upper
104 100
78 46.6 32.9 61.1





#57

Isopropylbenzene

Concen: 24.774 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015470.D

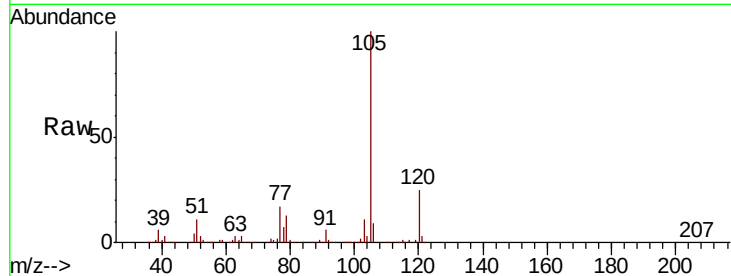
Acq: 26 May 2020 13:27

Instrument :

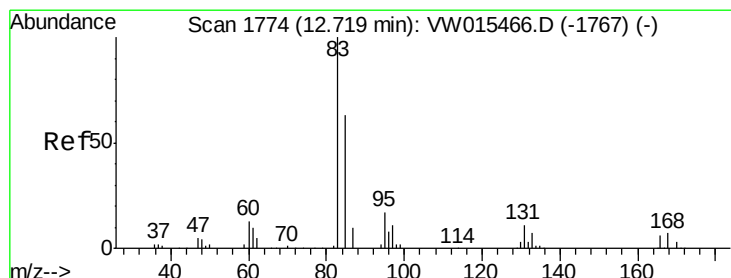
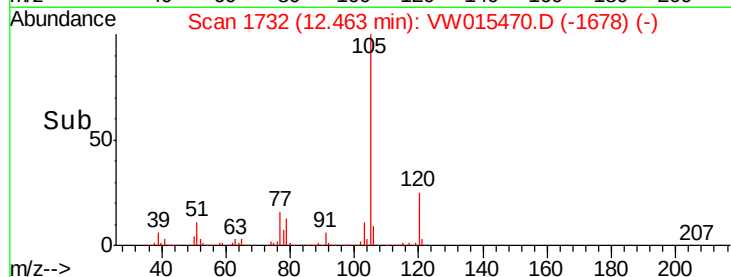
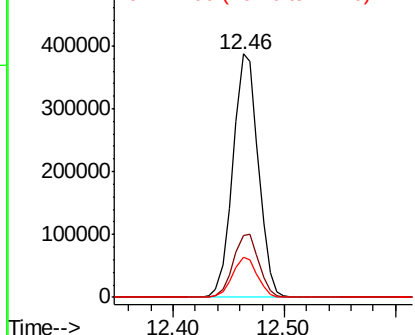
MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	610409
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.4
77	16.2	13.0	19.6



Abundance Ion 105.00 (104.70 to 105.70): VW
Ion 120.00 (119.70 to 120.70): VW
Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 23.961 ug/L

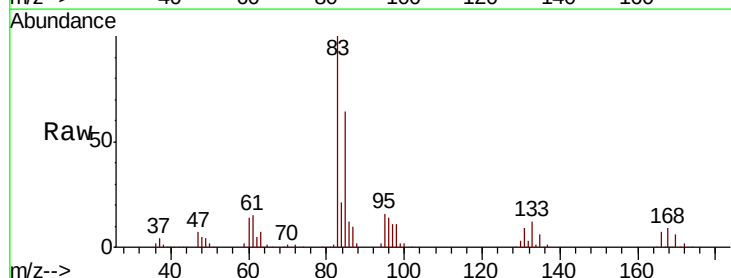
RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

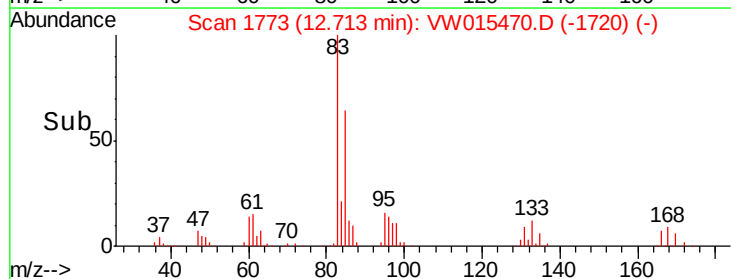
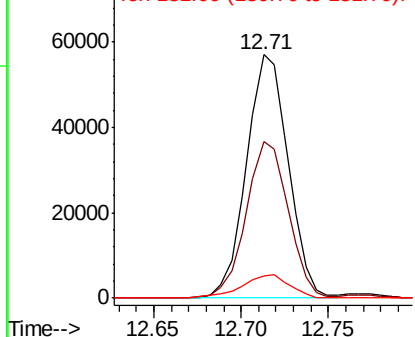
Lab File: VW015470.D

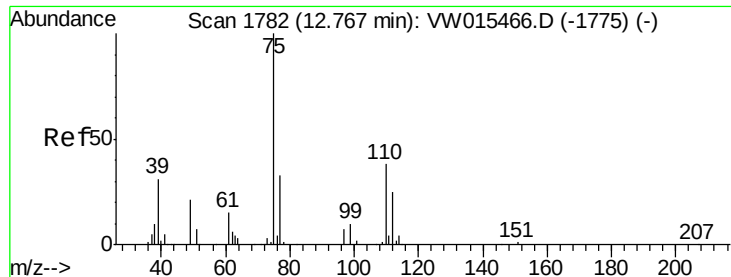
Acq: 26 May 2020 13:27

Tgt Ion:	83	Resp:	94868
Ion	Ratio	Lower	Upper
83	100		
85	64.3	44.7	82.9
131	9.2	9.1	13.7



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 23.725 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

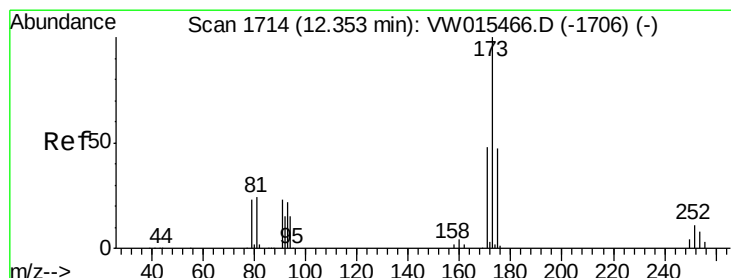
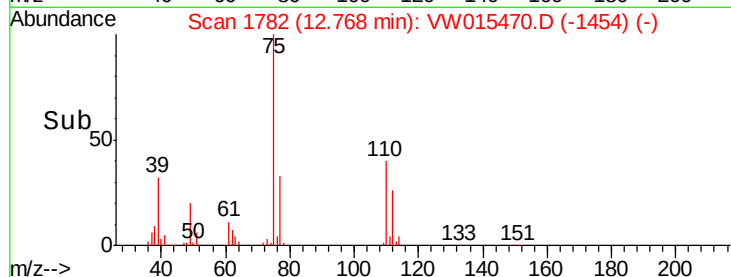
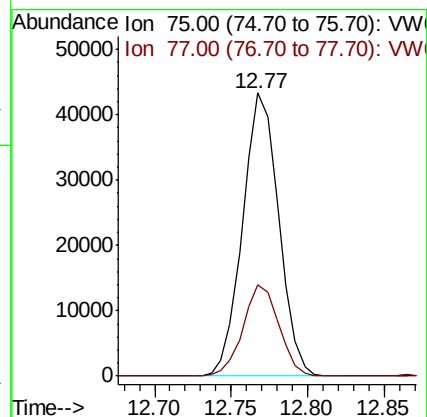
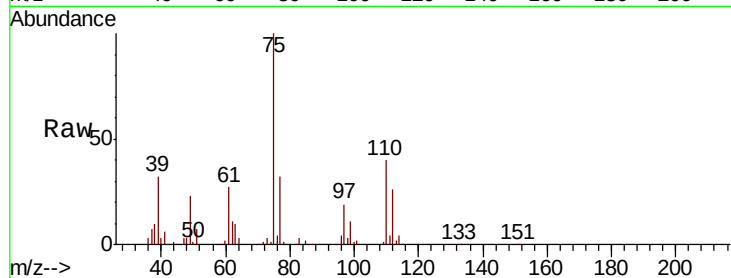
ClientSampleId :

Tot Ion: 75 Resp: 71226

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 23.433 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

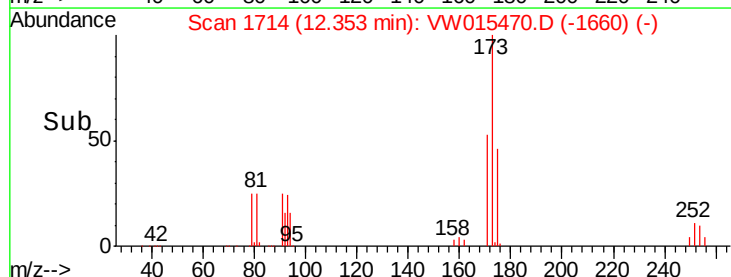
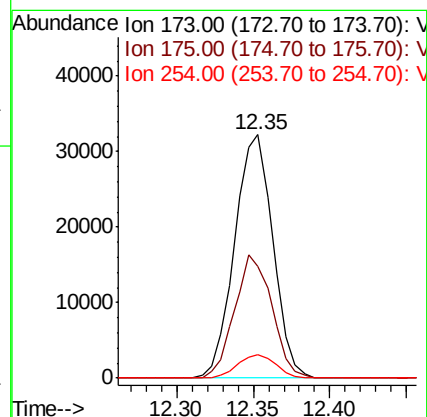
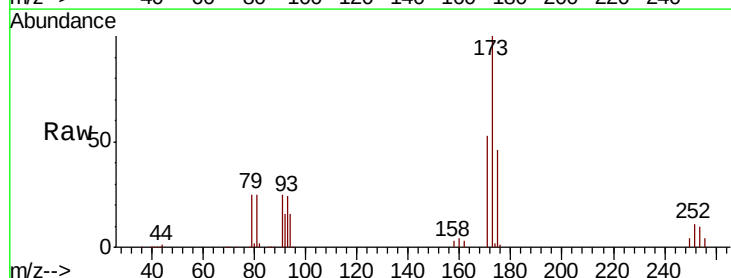
Tgt Ion: 173 Resp: 55843

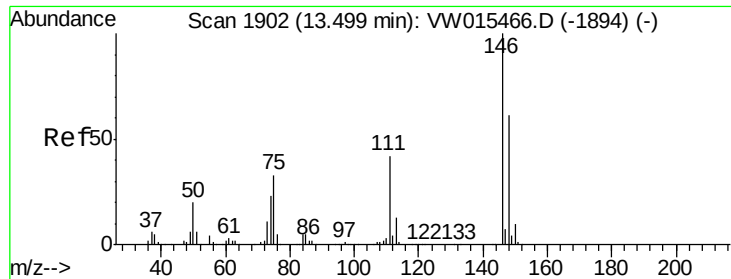
Ion Ratio Lower Upper

173 100

175 49.4 37.9 56.9

254 9.4 6.8 10.2

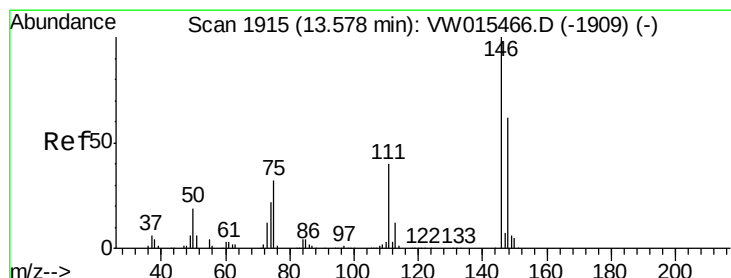
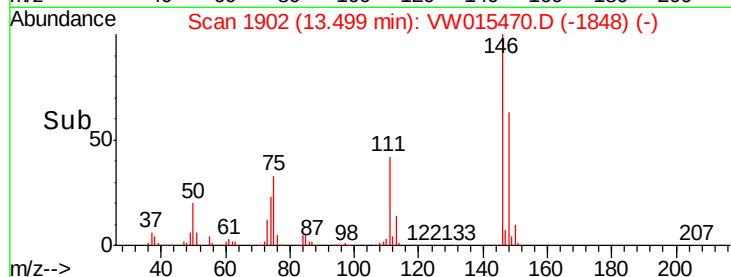
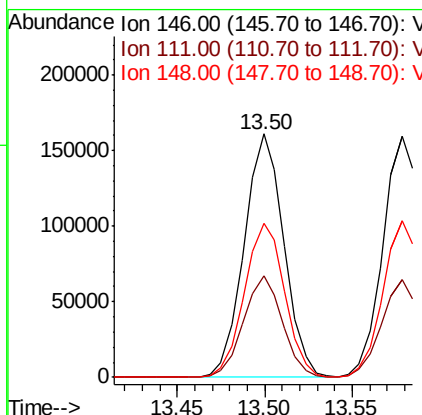
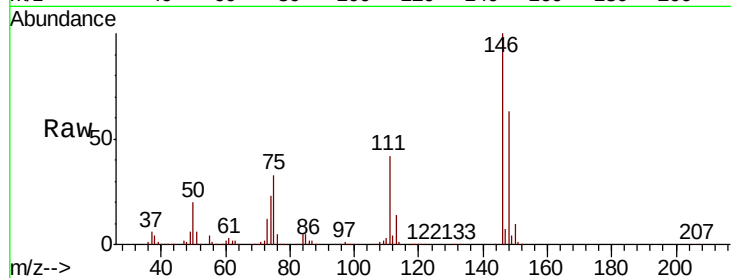




#63
 1,3-Dichlorobenzene
 Concen: 24.361 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

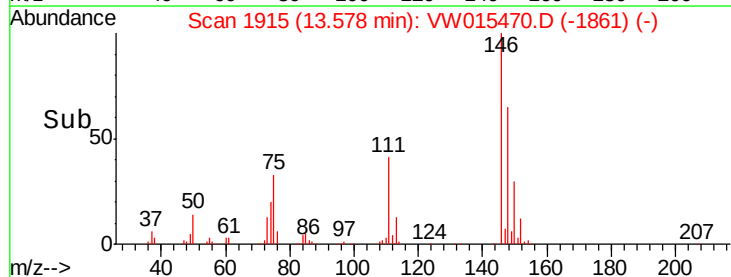
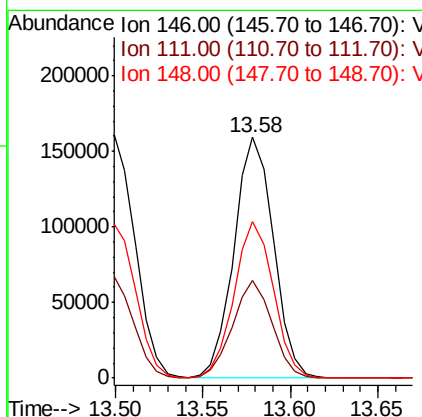
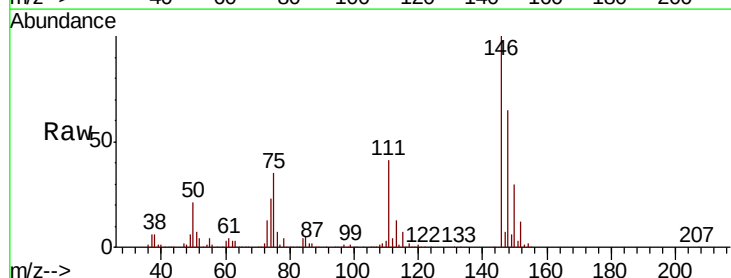
Instrument :
 MSVOA_W
 ClientSampleId :

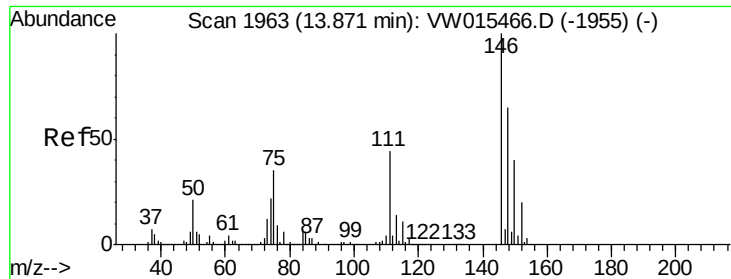
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.3	54.5
148	63.4	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 24.520 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.1	52.1
148	64.9	43.3	80.3

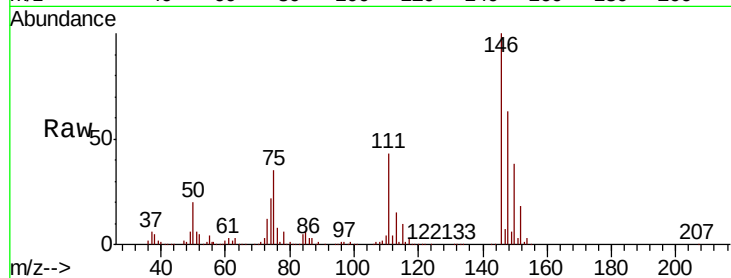




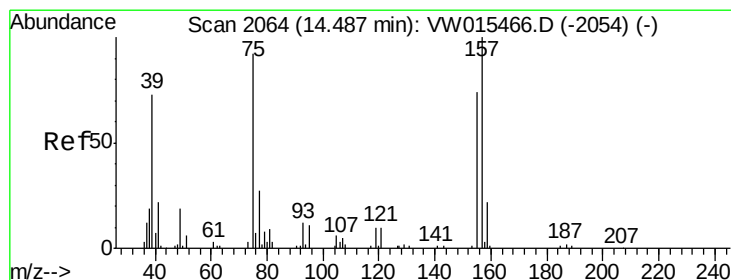
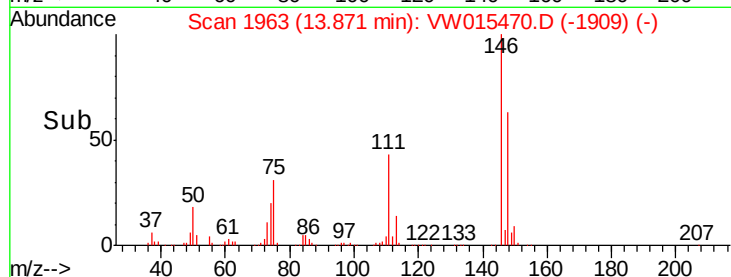
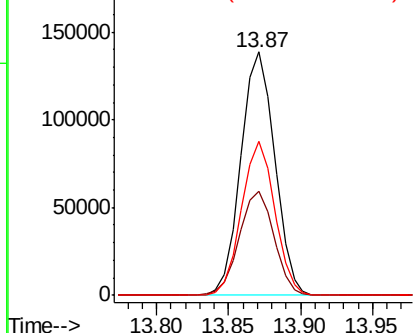
#65
 1,2-Dichlorobenzene
 Concen: 24.938 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.9	52.3
148	63.3	51.8	77.8

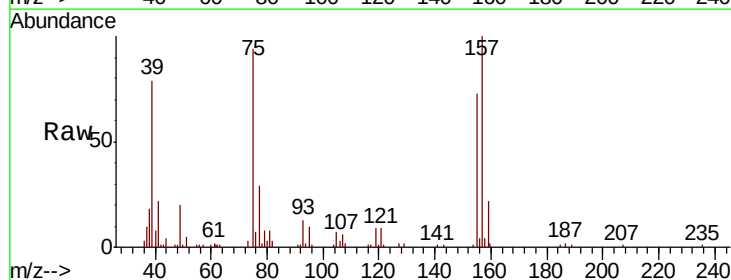


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

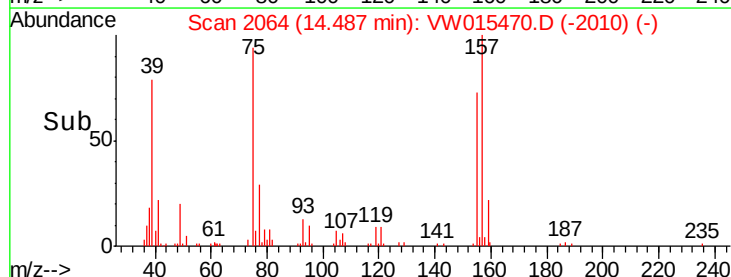
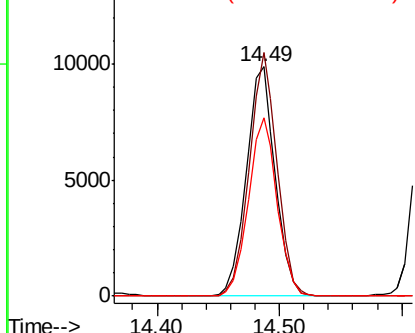


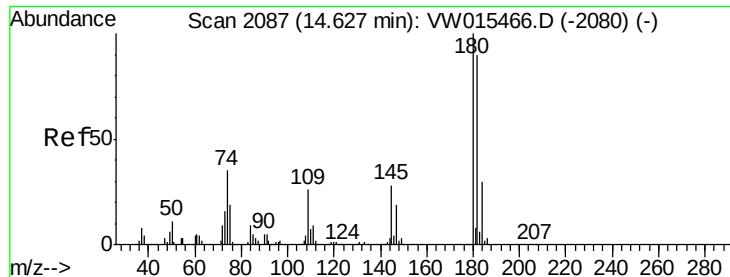
#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.477 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.3	87.4	131.0
155	78.1	64.6	96.8



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

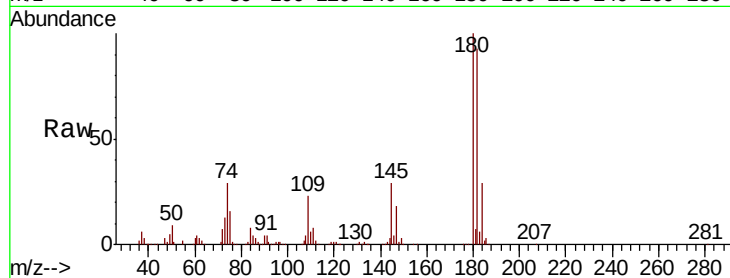




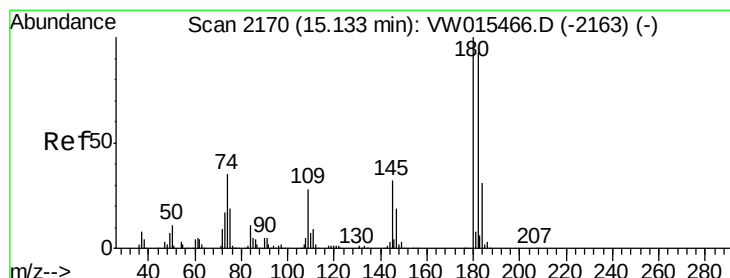
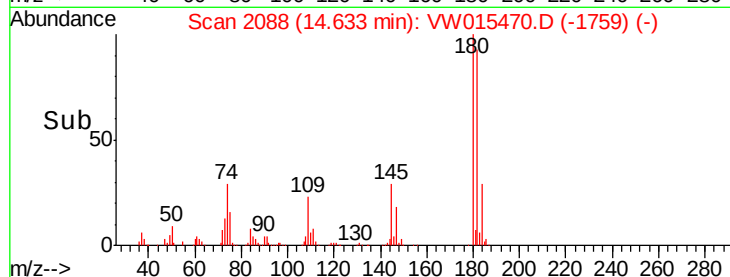
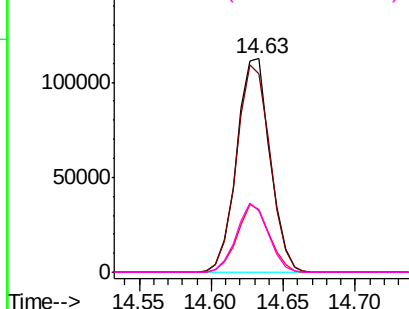
#67
 1,3,5-Trichlorobenzene
 Concen: 25.021 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	181305
Ion Ratio	Lower	Upper
180	100	
182	97.4	76.6 114.8
184	30.6	24.4 36.6
145	30.6	24.0 36.0

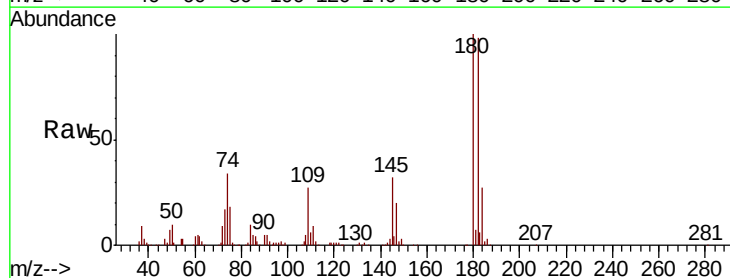


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

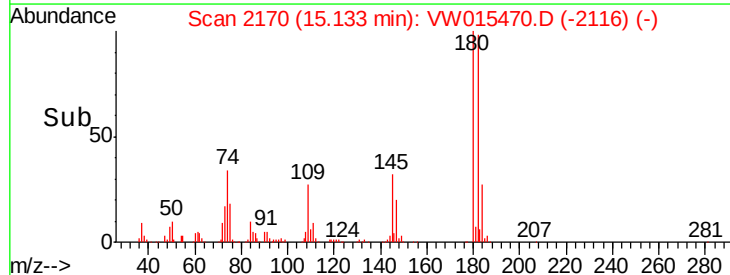
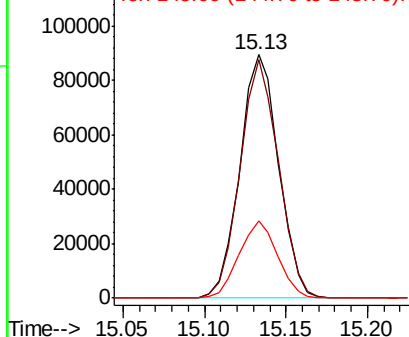


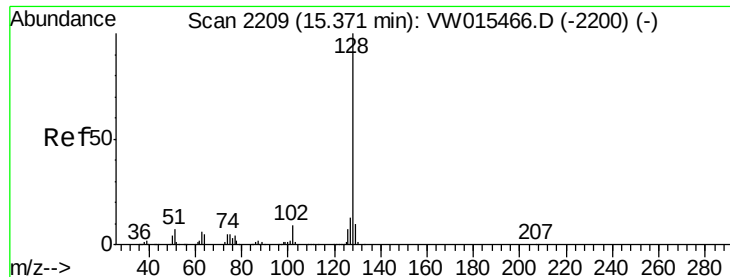
#68
 1,2,4-trichlorobenzene
 Concen: 25.402 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015470.D
 Acq: 26 May 2020 13:27

Tgt Ion:180	Resp:	148246
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.1 114.1
145	31.3	25.2 37.8



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





#69

Naphthalene

Concen: 25.045 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

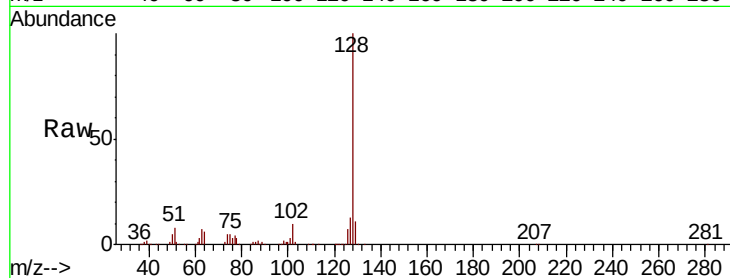
Tot Ion:128 Resp: 265402

Ion Ratio Lower Upper

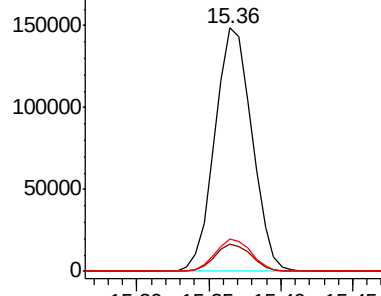
128 100

129 11.0 8.6 12.8

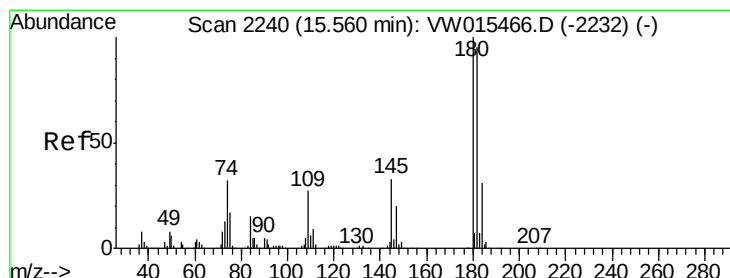
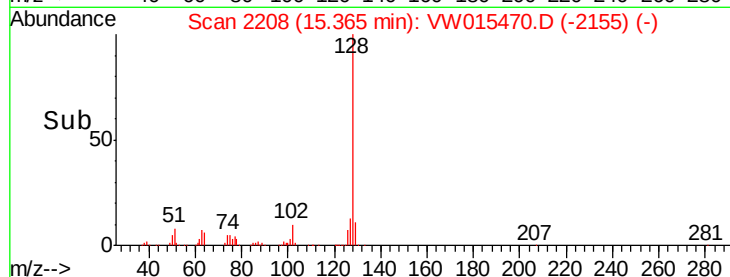
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 25.043 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015470.D

Acq: 26 May 2020 13:27

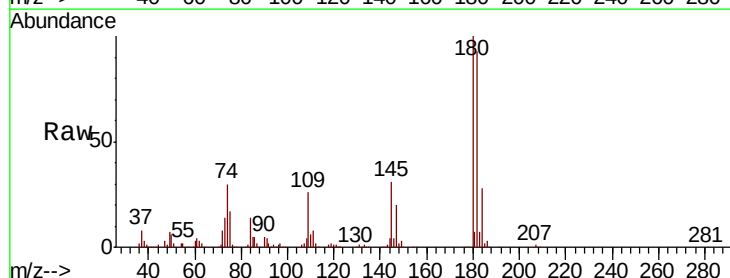
Tgt Ion:180 Resp: 124338

Ion Ratio Lower Upper

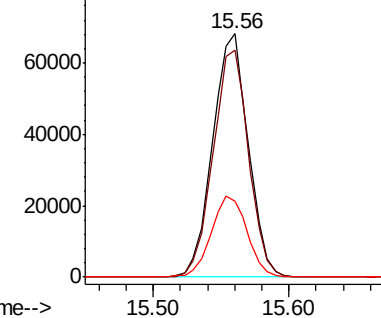
180 100

182 93.4 75.4 113.2

145 33.7 26.7 40.1



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



Time-->

