

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060520\
 Data File : VW015538.D
 Acq On : 05 Jun 2020 11:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Jun 06 04:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367272	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332444	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	165114	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	88615	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
7) Chloroethane-d5	2.89	69	90899	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.64%
10) 1,1-Dichloroethene-d2	4.02	63	202973	24.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.00%
20) 2-Butanone-d5	7.08	46	58245	53.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.02%
24) Chloroform-d	7.65	84	214468	25.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	8.31	65	121550	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.88%
29) Benzene-d6	8.27	84	409202	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.27	67	123883	25.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.00%
37) Toluene-d8	10.32	98	392672	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.08%
38) trans-1,3-Dichloropropene-	10.58	79	55661	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
39) 2-Hexanone-d5	10.93	63	48179	56.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	102173	27.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	137139	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	76515	23.582	ug/L 97
3) Chloromethane	2.21	50	79526	22.265	ug/L 99
5) Vinyl chloride	2.37	62	127236	23.688	ug/L 98
6) Bromomethane	2.79	94	81170	23.250	ug/L 99
8) Chloroethane	2.93	64	77184	23.606	ug/L 96
9) Trichlorofluoromethane	3.26	101	96453	25.233	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	107879	23.795	ug/L 99
12) 1,1-Dichloroethene	4.04	96	103452	23.623	ug/L 93
13) Acetone	4.13	43	54278	63.895	ug/L 97
14) Carbon disulfide	4.38	76	328025	22.452	ug/L 99
15) Methyl Acetate	4.67	43	47032	25.591	ug/L 99
16) Methylene chloride	4.92	84	109445	24.280	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	169061	24.327	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	113166	24.113	ug/L 100
19) 1,1-Dichloroethane	6.21	63	203461	24.102	ug/L 100
21) 2-Butanone	7.17	43	67011	51.351	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	117585	24.017	ug/L 99

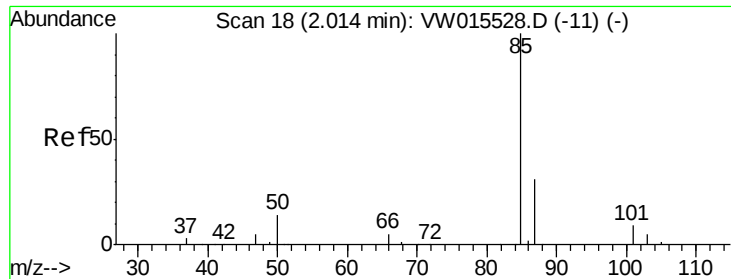
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060520\
 Data File : VW015538.D
 Acq On : 05 Jun 2020 11:47
 Operator : SY/VA
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Quant Time: Jun 06 04:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52090	24.673	ug/L	98
25) Chloroform	7.68	83	206651	24.312	ug/L	100
27) 1,2-Dichloroethane	8.40	62	143729	24.995	ug/L	99
30) Cyclohexane	7.96	56	193075	23.495	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	181910	24.459	ug/L	99
32) Carbon tetrachloride	8.07	117	166543	24.415	ug/L	99
34) Benzene	8.32	78	452045	24.315	ug/L	100
35) Trichloroethene	9.09	95	120034	24.036	ug/L	99
36) Methylcyclohexane	9.34	83	215089	24.149	ug/L	100
40) 1,2-Dichloropropane	9.37	63	110972	24.239	ug/L	100
41) Bromodichloromethane	9.65	83	149682	24.473	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	180660	24.659	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	138584	51.639	ug/L	100
44) Toluene	10.39	91	496424	24.509	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	159292	24.984	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	82237	25.675	ug/L	97
47) Tetrachloroethene	10.86	164	97061	24.519	ug/L	98
49) 2-Hexanone	10.97	43	99264	54.797	ug/L	98
50) Dibromochloromethane	11.13	129	100208	25.751	ug/L	99
51) 1,2-Dibromoethane	11.24	107	80071	26.040	ug/L	98
52) Chlorobenzene	11.66	112	311252	24.499	ug/L	98
53) Ethylbenzene	11.73	91	572782	24.627	ug/L	99
54) m,p-Xylene	11.84	106	216553	24.813	ug/L	99
55) o-xylene	12.17	106	204740	24.715	ug/L	96
56) Styrene	12.18	104	350850	24.786	ug/L	99
57) Isopropylbenzene	12.47	105	572364	24.803	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	98161	26.471	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	74237	26.403	ug/L	96
62) Bromoform	12.35	173	56159	24.411	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	240532	23.806	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	242822	24.528	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	219456	24.995	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16821	25.255	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	176033	25.166	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	153003	27.158	ug/L	96
69) Naphthalene	15.37	128	281608	27.528	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	127716	26.646	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.582 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

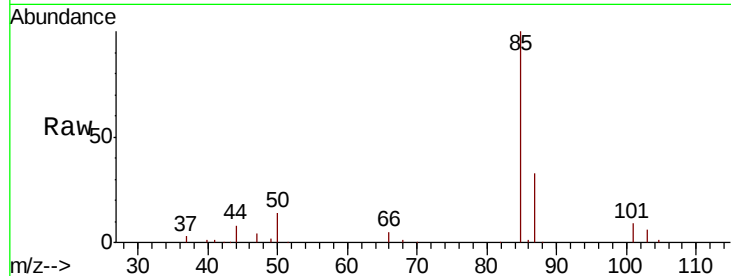
VSTD02521

Tot Ion: 85 Resp: 76515

Ion Ratio Lower Upper

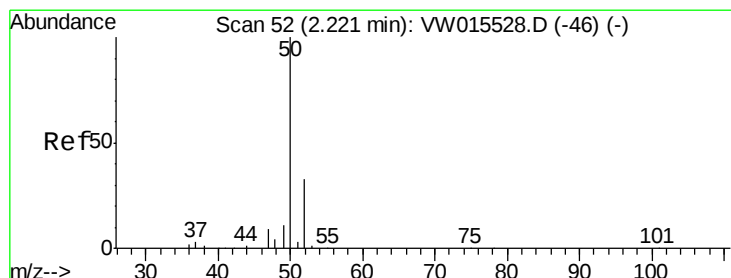
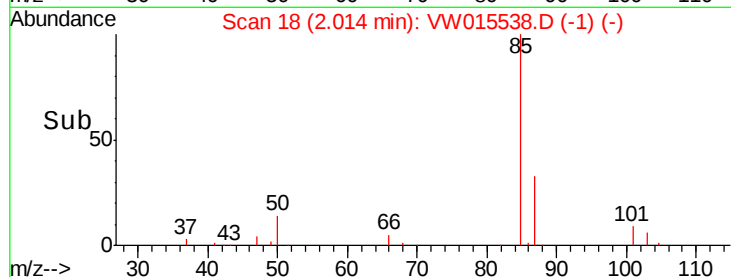
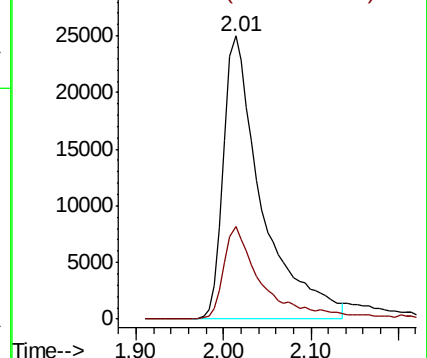
85 100

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: 22.265 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015538.D

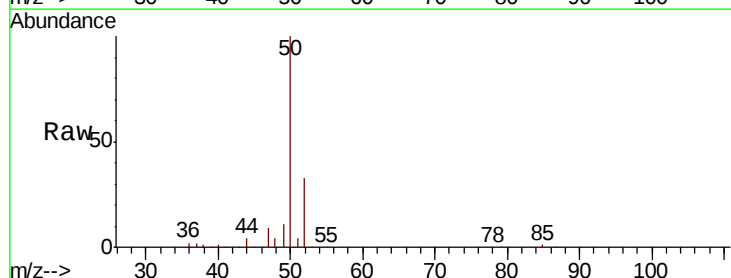
Acq: 05 Jun 2020 11:47

Tgt Ion: 50 Resp: 79526

Ion Ratio Lower Upper

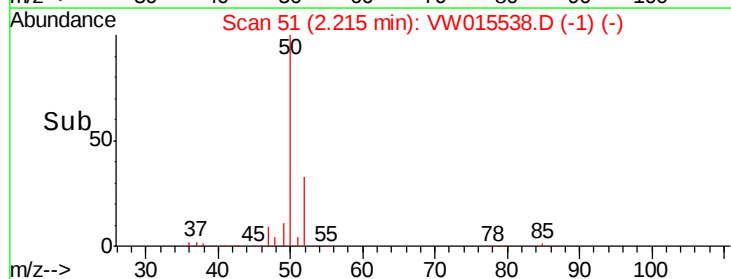
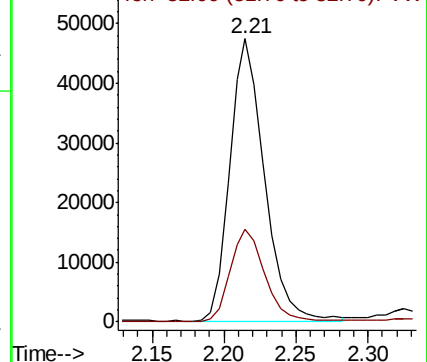
50 100

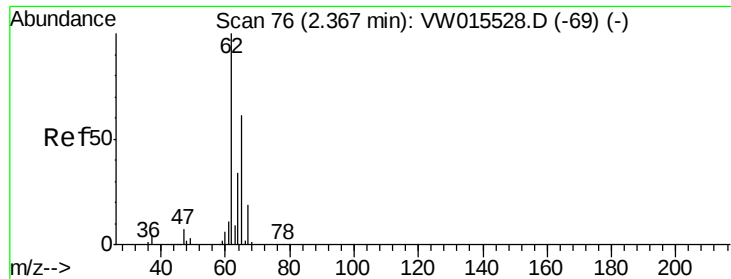
52 32.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.688 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

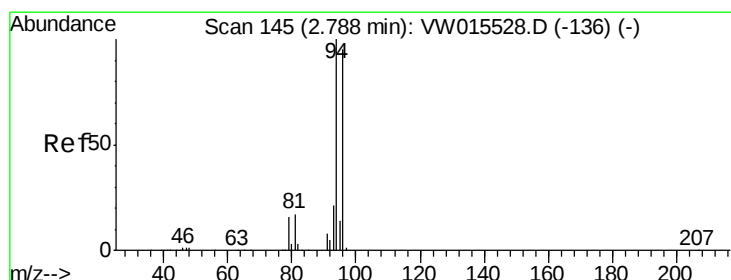
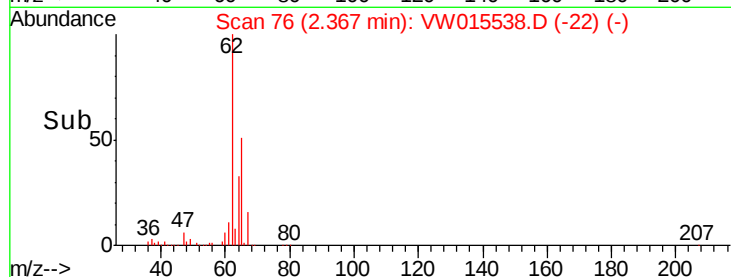
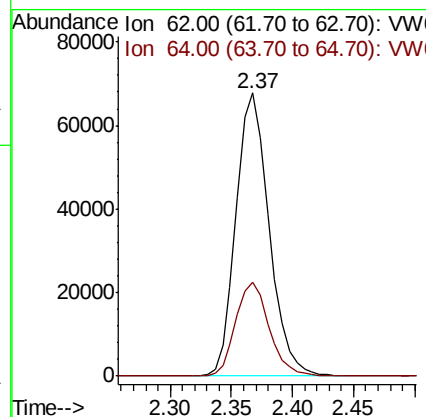
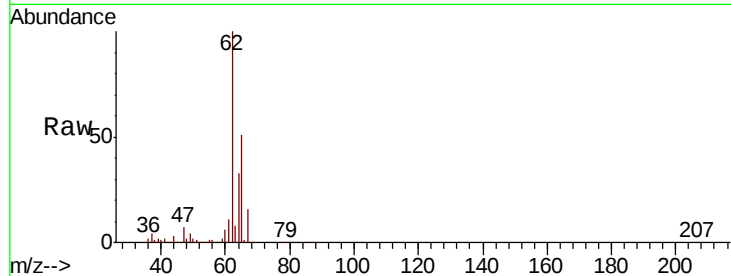
VSTD02521

Tot Ion: 62 Resp: 127236

Ion Ratio Lower Upper

62 100

64 33.3 22.6 42.0



#6

Bromomethane

Concen: 23.250 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015538.D

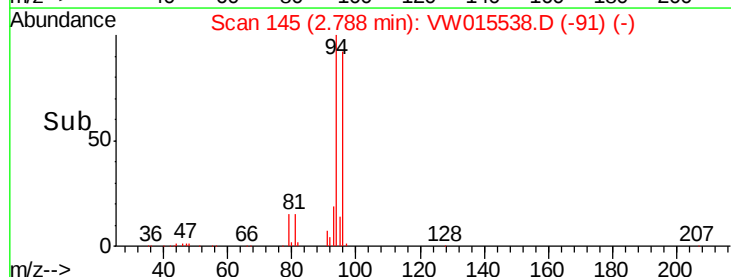
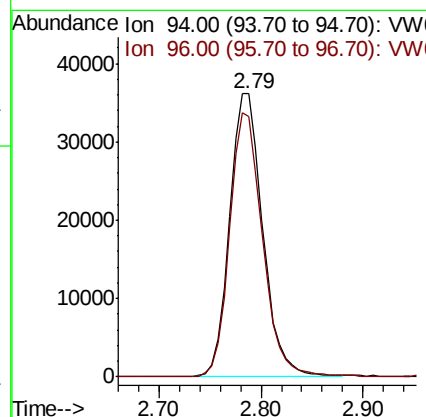
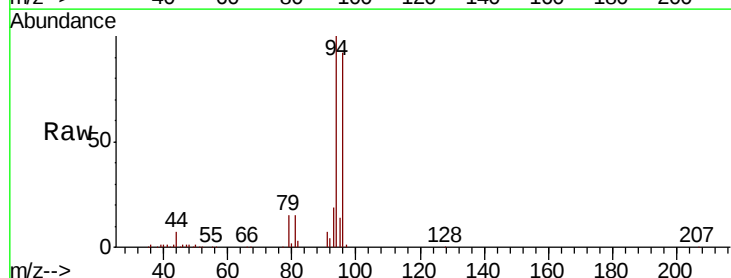
Acq: 05 Jun 2020 11:47

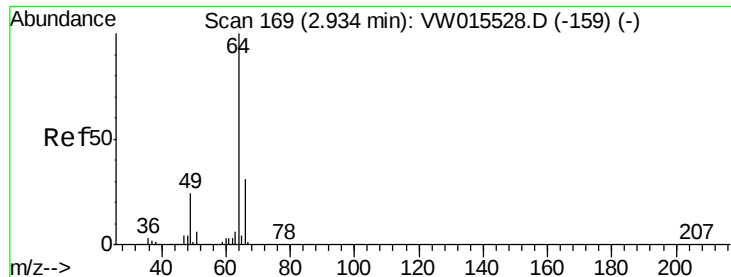
Tgt Ion: 94 Resp: 81170

Ion Ratio Lower Upper

94 100

96 92.7 9.3 177.5





#8

Chloroethane

Concen: 23.606 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

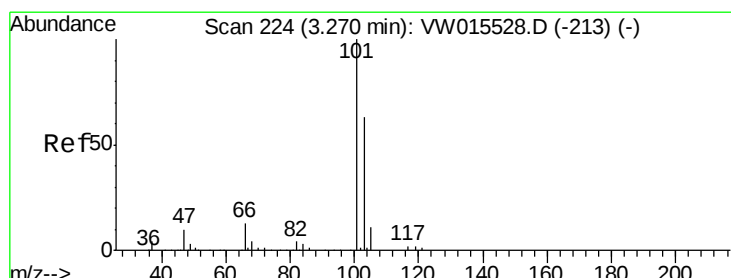
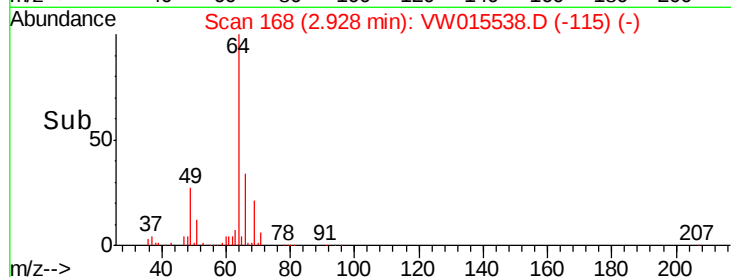
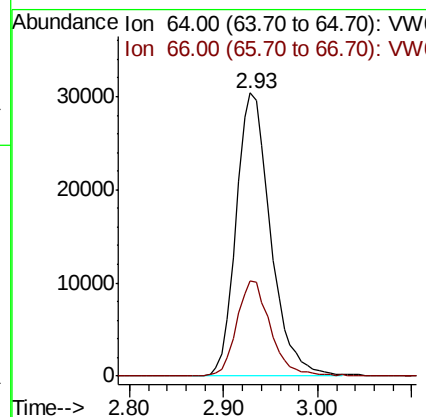
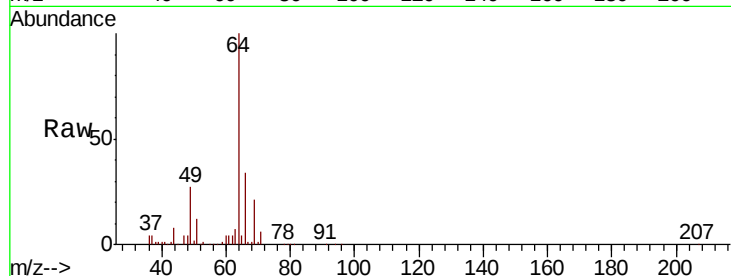
VSTD02521

Tot Ion: 64 Resp: 77184

Ion Ratio Lower Upper

64 100

66 33.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 25.233 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015538.D

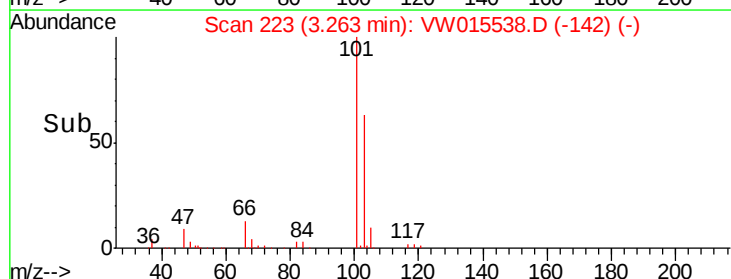
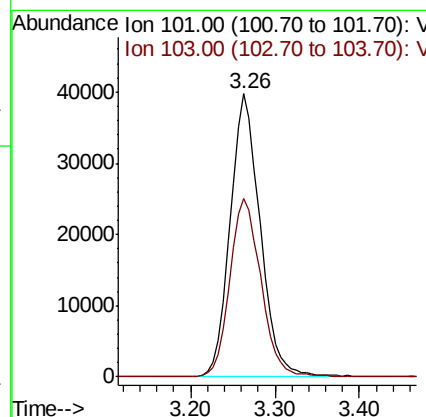
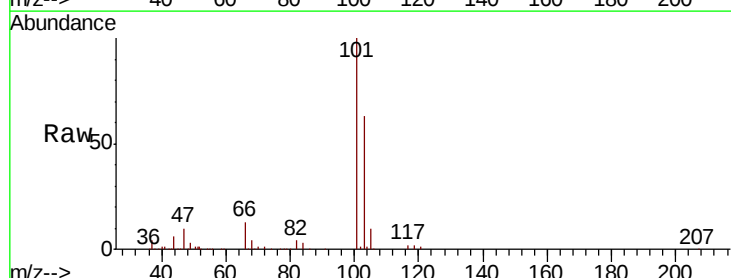
Acq: 05 Jun 2020 11:47

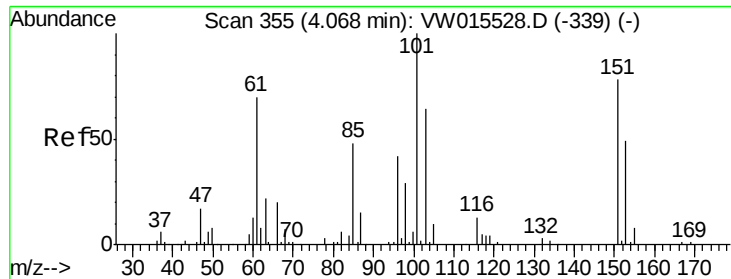
Tgt Ion: 101 Resp: 96453

Ion Ratio Lower Upper

101 100

103 65.2 46.6 86.6





#11

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

Concen: 23.795 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

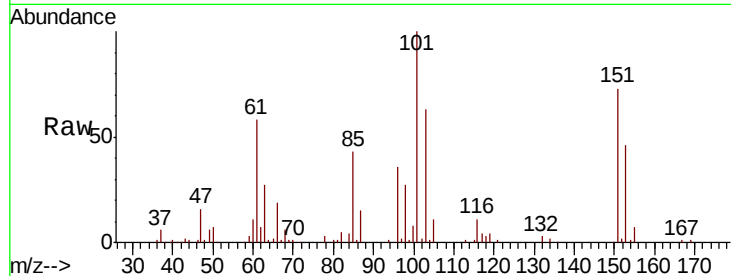
Tot Ion:101 Resp: 107879

Ion Ratio Lower Upper

101 100

85 44.5 35.1 52.7

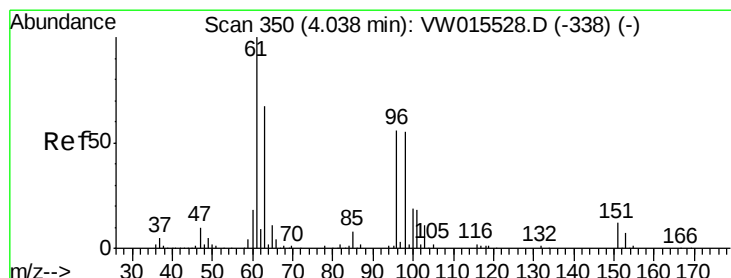
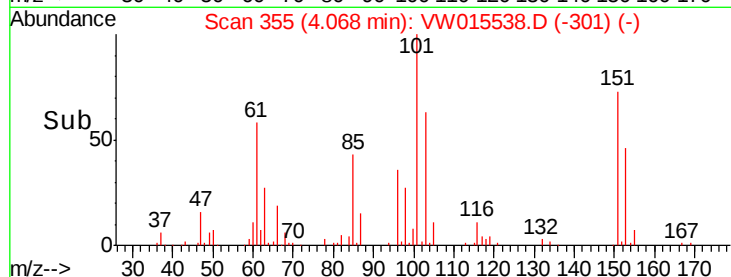
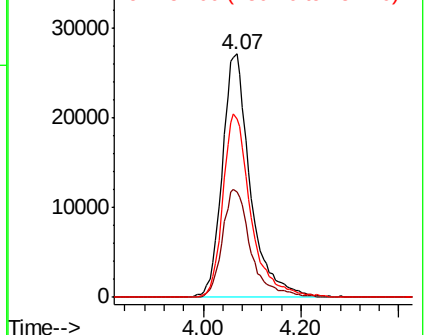
151 74.5 58.6 87.8



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: 23.623 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

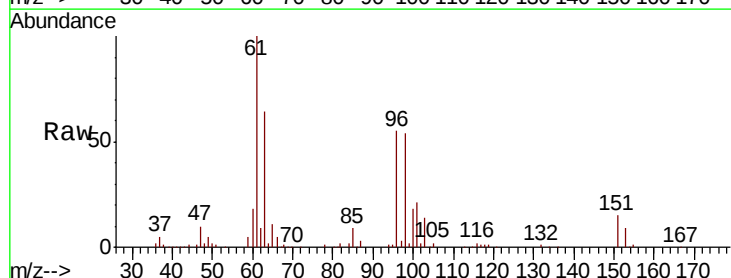
Tgt Ion: 96 Resp: 103452

Ion Ratio Lower Upper

96 100

61 181.0 127.7 237.1

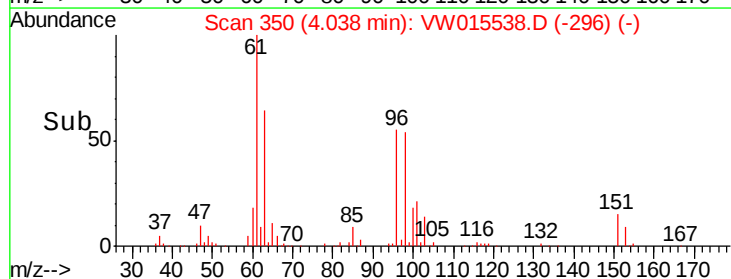
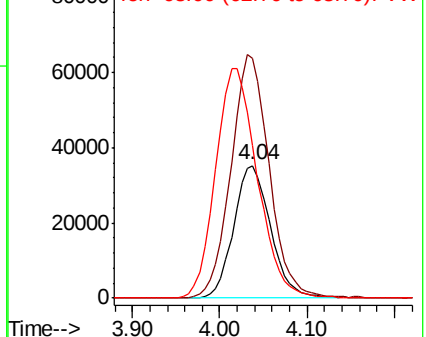
63 115.1 92.3 171.5

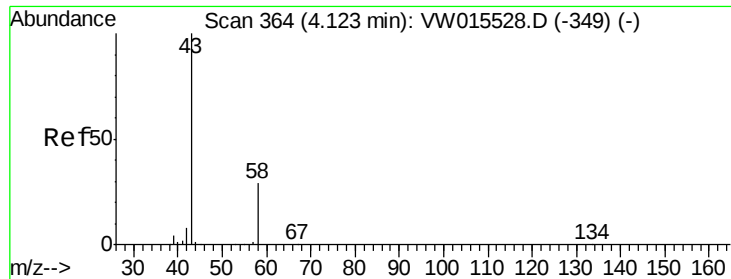


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 63.895 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampled :

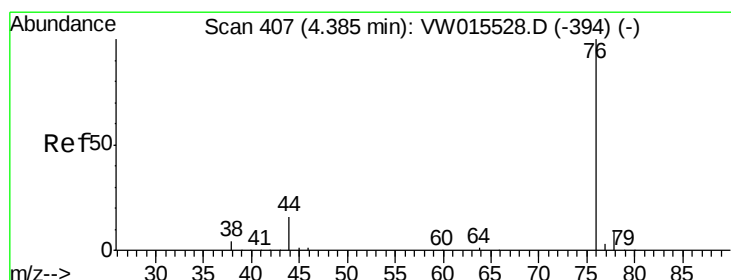
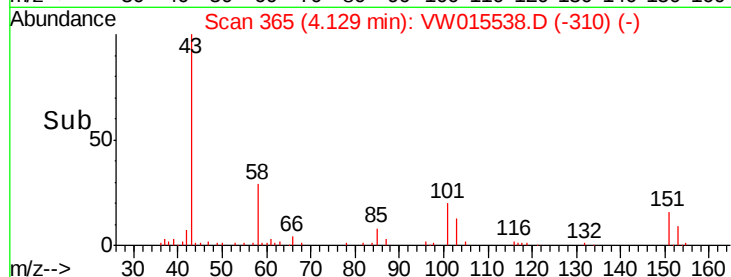
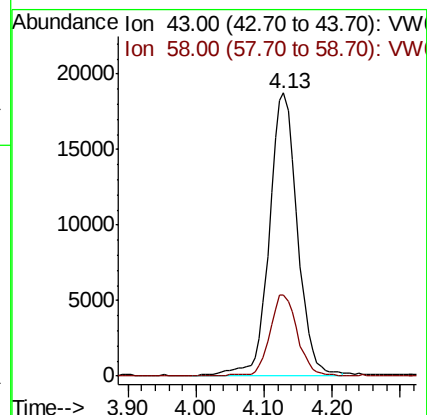
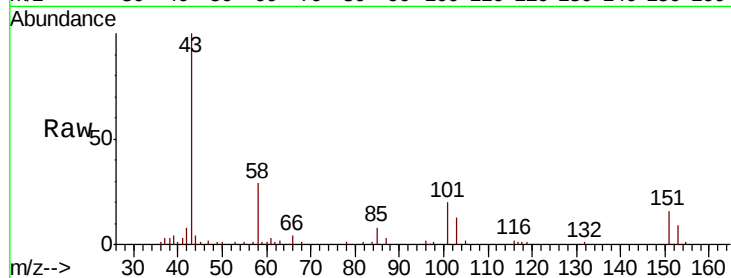
VSTD02521

Tot Ion: 43 Resp: 54278

Ion Ratio Lower Upper

43 100

58 27.1 0.0 56.8



#14

Carbon disulfide

Concen: 22.452 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015538.D

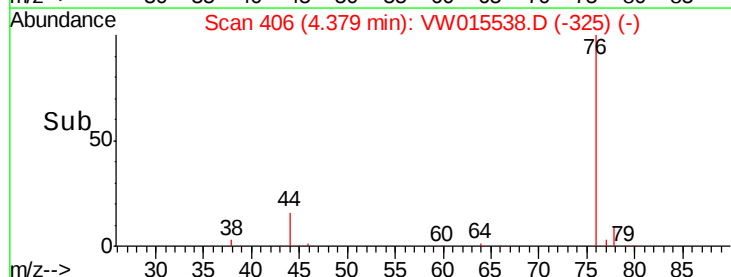
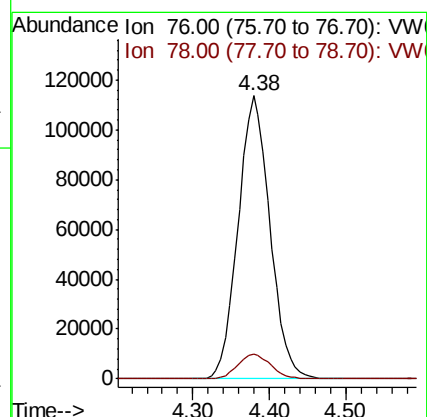
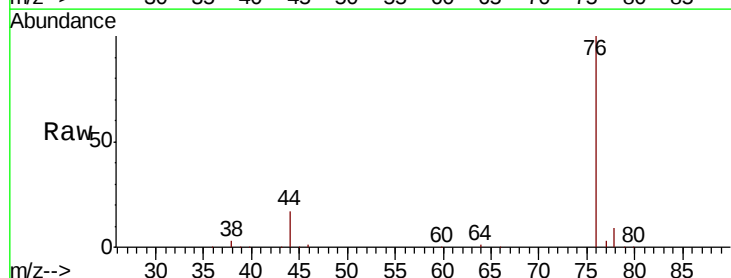
Acq: 05 Jun 2020 11:47

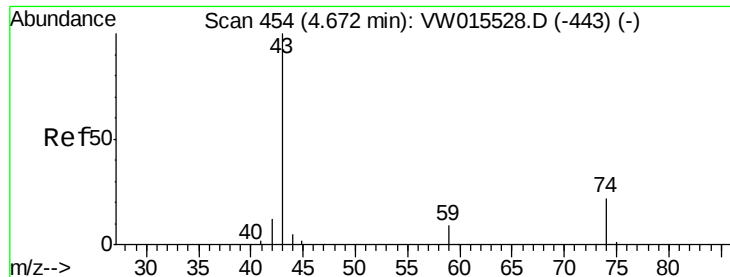
Tgt Ion: 76 Resp: 328025

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

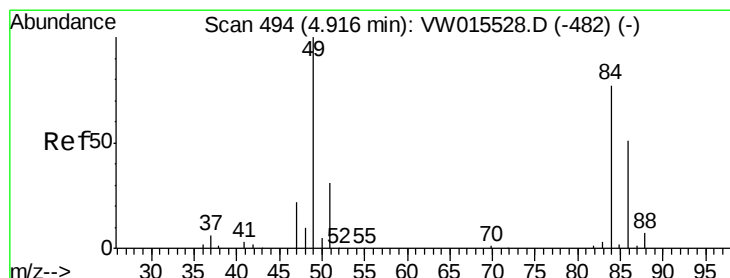
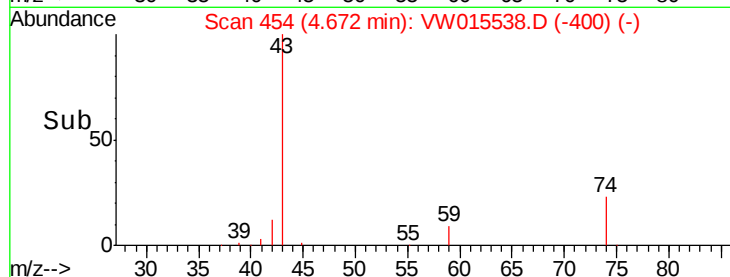
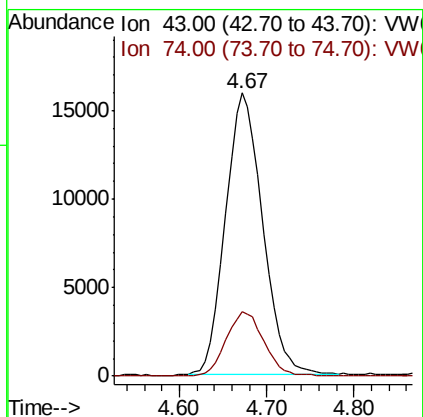
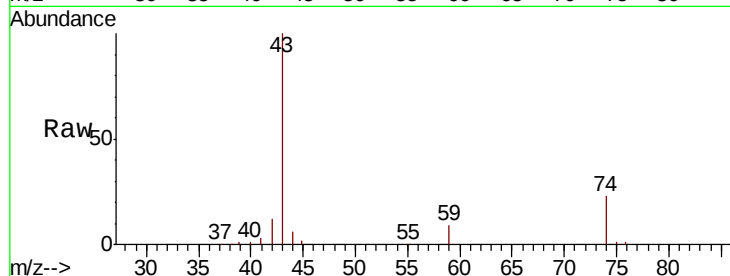




#15
Methyl Acetate
Concen: 25.591 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

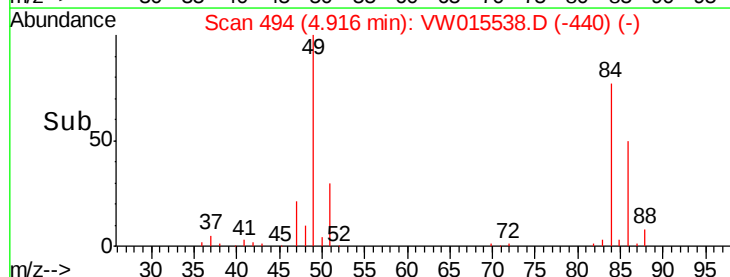
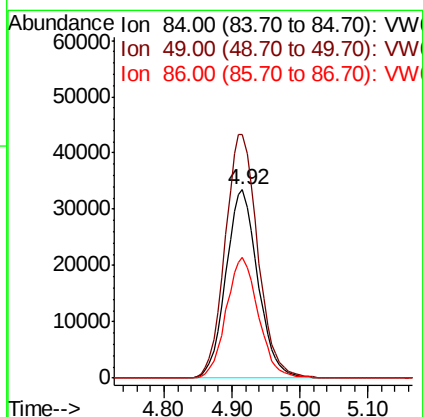
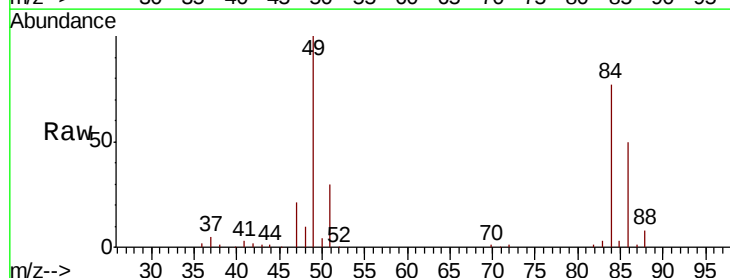
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

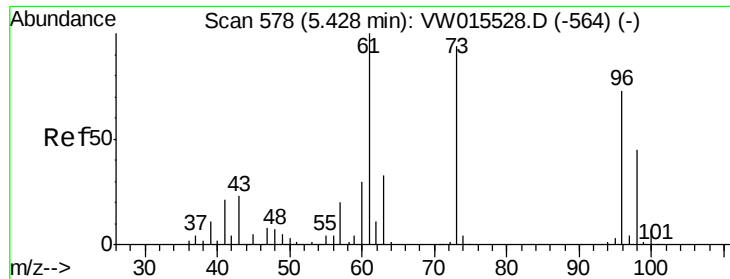
Tot Ion: 43 Resp: 47032
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 24.280 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion: 84 Resp: 109445
Ion Ratio Lower Upper
84 100
49 129.3 93.0 172.8
86 64.5 44.7 83.1

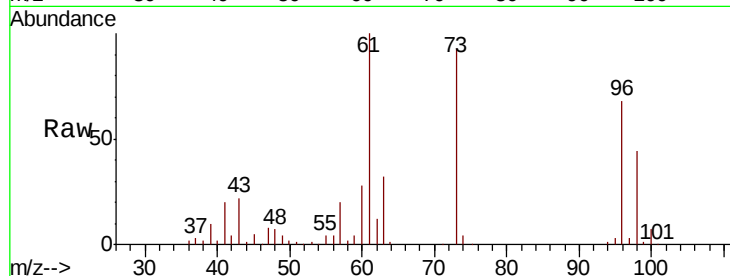




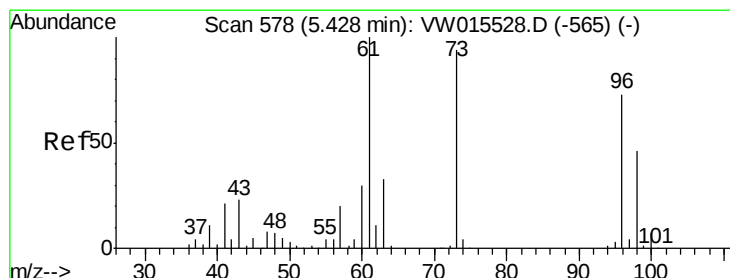
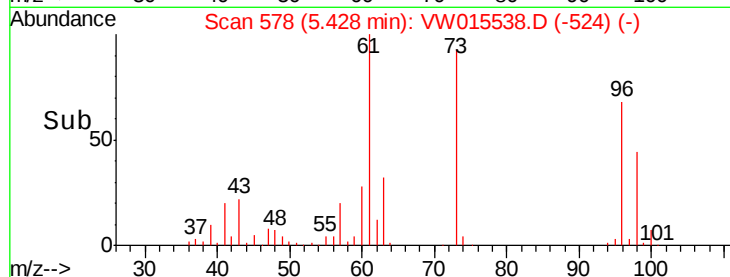
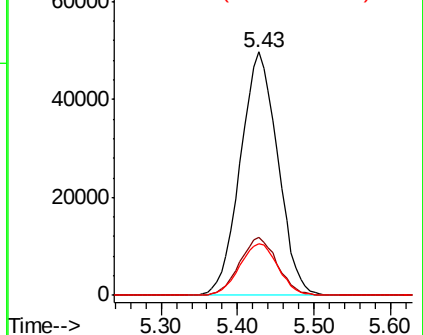
#17
Methvl tert-butvl Ether
Concen: 24.327 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Tot Ion: 73 Resp: 169061
Ion Ratio Lower Upper
73 100
43 24.1 19.6 29.4
57 21.9 17.7 26.5

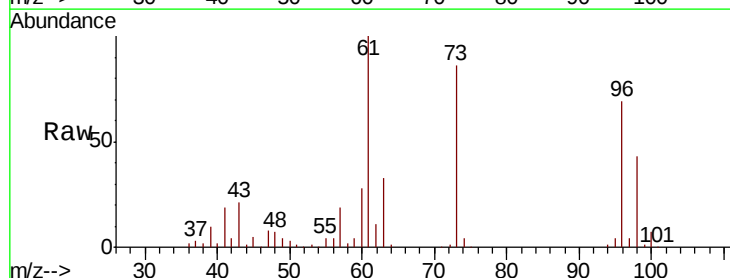


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

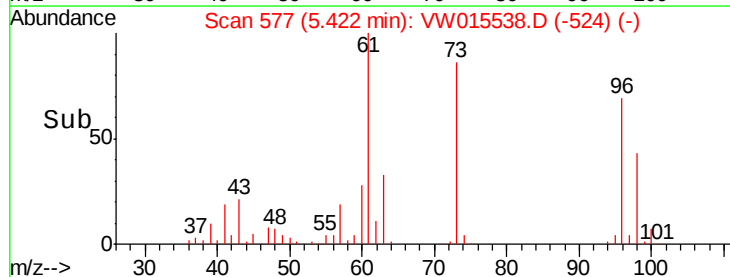
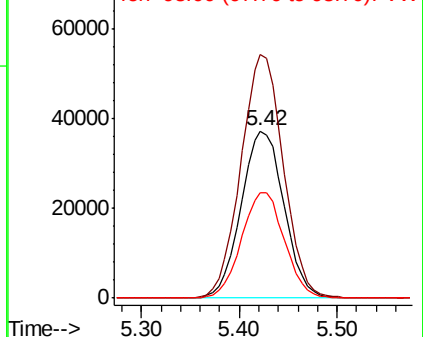


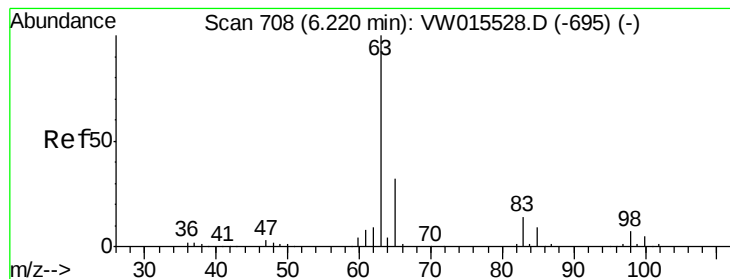
#18
trans-1,2-Dichloroethene
Concen: 24.113 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion: 96 Resp: 113166
Ion Ratio Lower Upper
96 100
61 146.0 101.9 189.3
98 63.5 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: 24.102 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

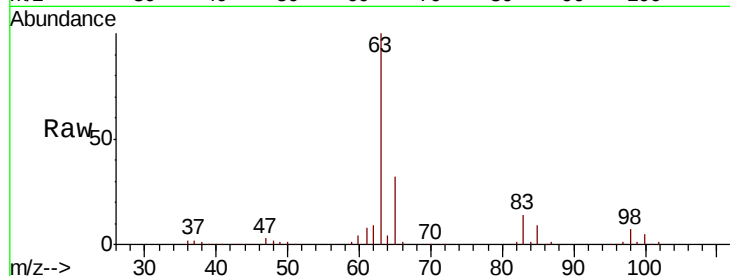
Tot Ion: 63 Resp: 203461

Ion Ratio Lower Upper

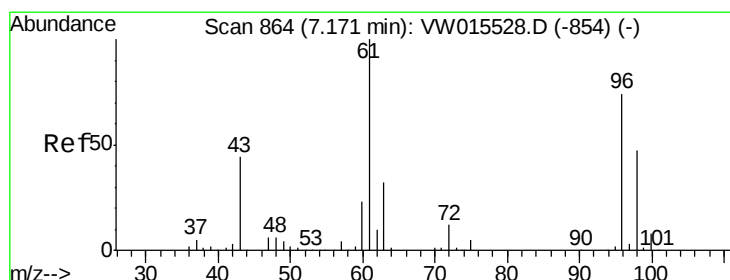
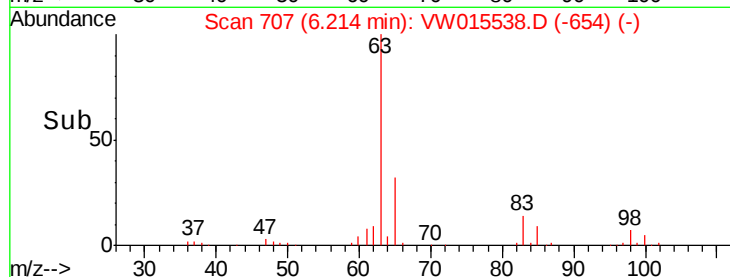
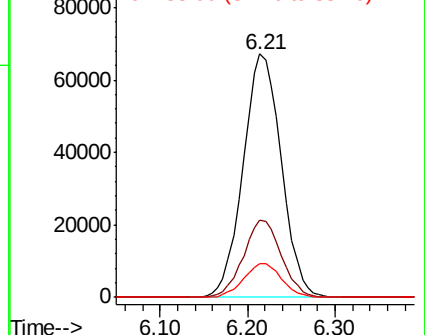
63 100

65 31.8 22.1 41.1

83 13.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 51.351 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015538.D

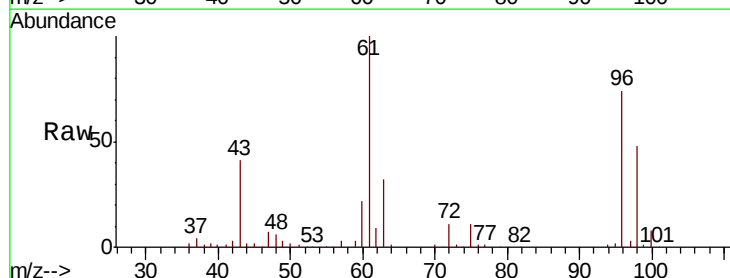
Acq: 05 Jun 2020 11:47

Tgt Ion: 43 Resp: 67011

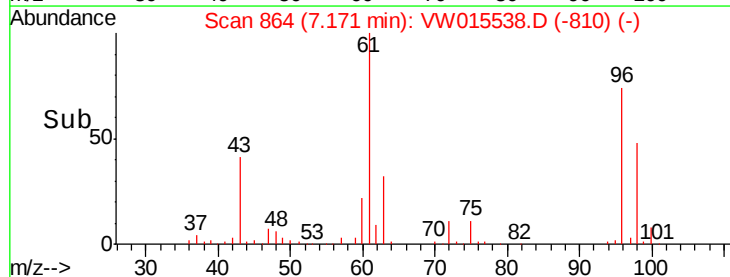
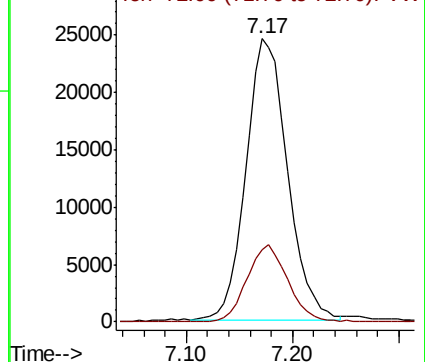
Ion Ratio Lower Upper

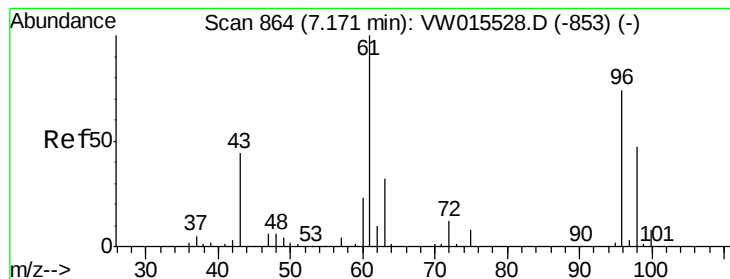
43 100

72 27.0 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



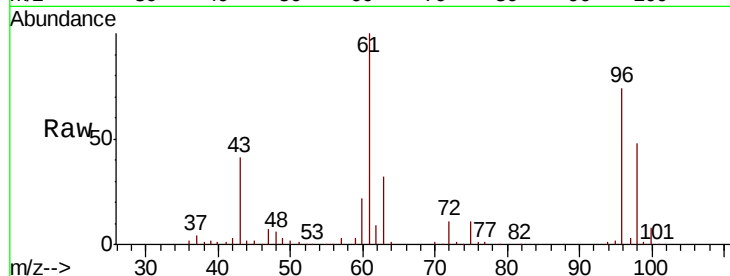


#22

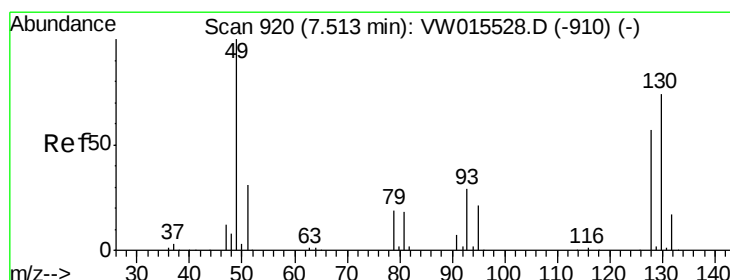
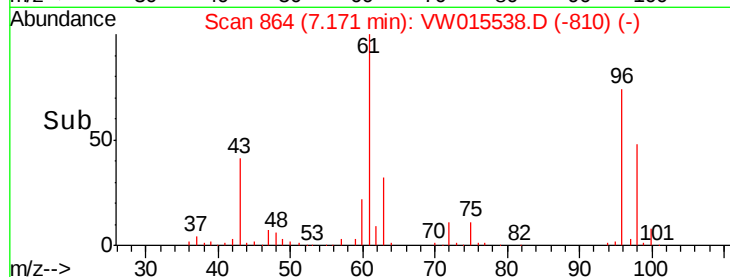
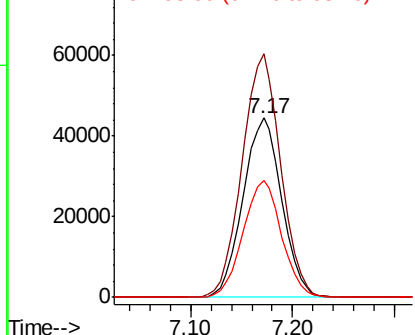
cis-1,2-Dichloroethene
 Concen: 24.017 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion: 96 Resp: 117585
 Ion Ratio Lower Upper
 96 100
 61 135.7 93.7 173.9
 98 64.8 45.1 83.9



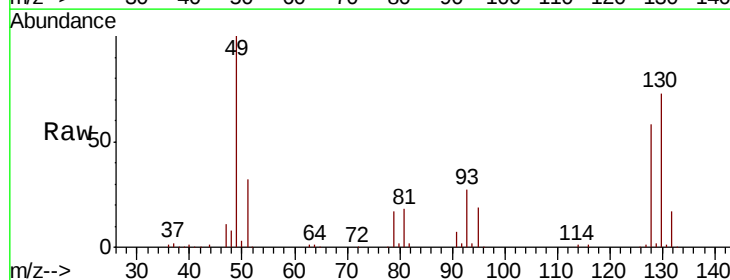
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



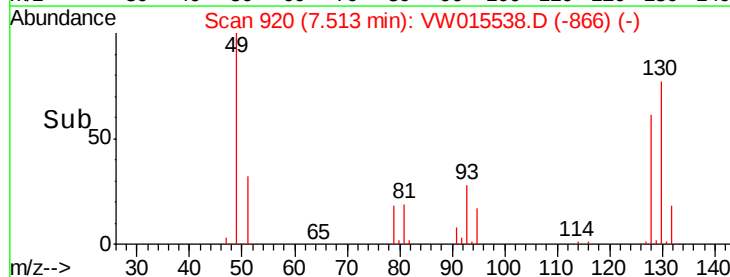
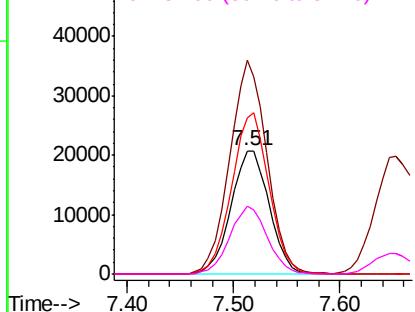
#23

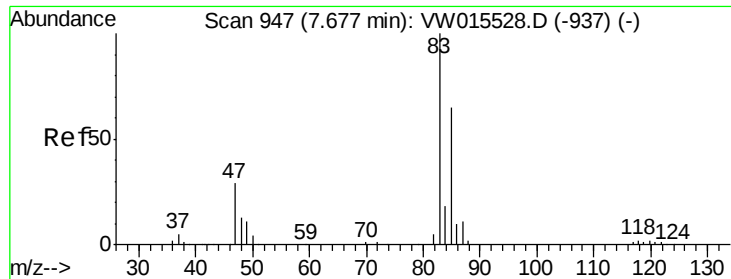
Bromochloromethane
 Concen: 24.673 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

Tgt Ion: 128 Resp: 52090
 Ion Ratio Lower Upper
 128 100
 49 173.2 118.1 219.3
 130 126.2 88.5 164.3
 51 55.0 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

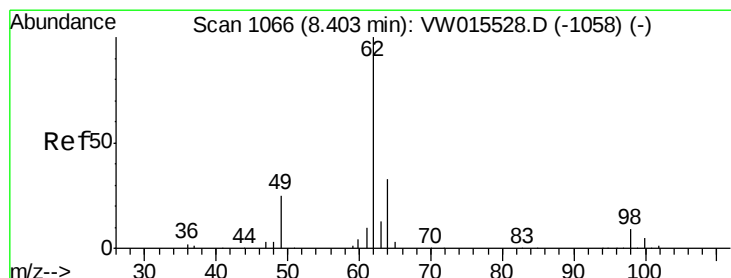
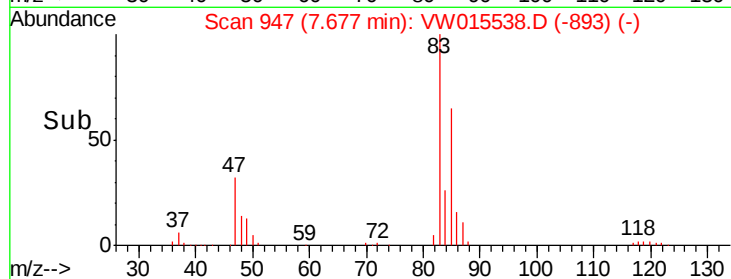
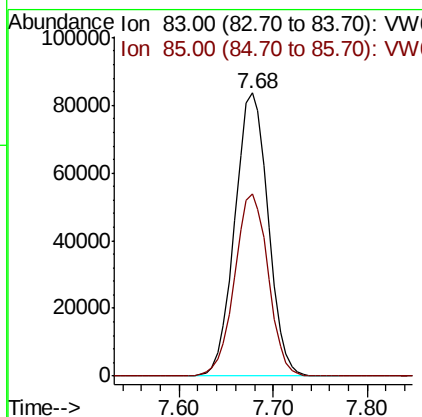
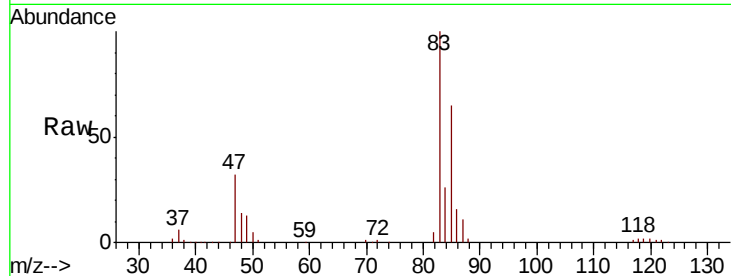




#25
Chloroform
Concen: 24.312 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

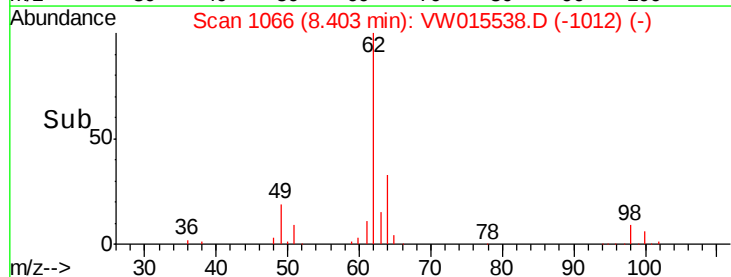
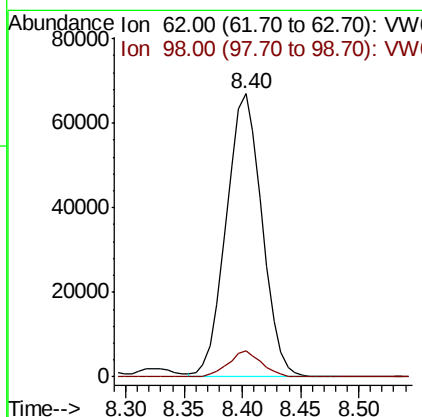
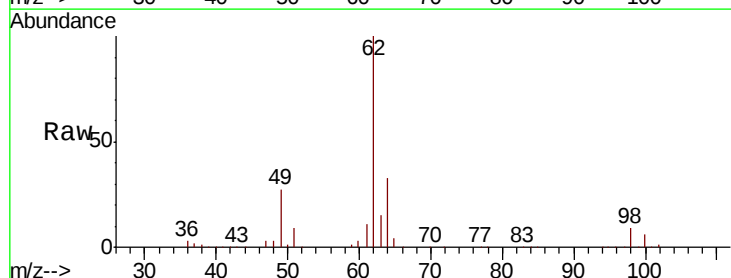
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

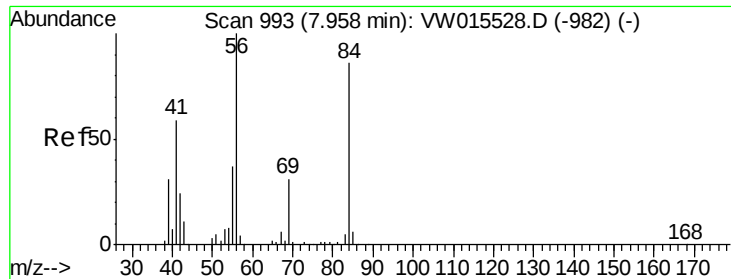
Tot Ion: 83 Resp: 206651
Ion Ratio Lower Upper
83 100
85 65.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.995 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion: 62 Resp: 143729
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.4

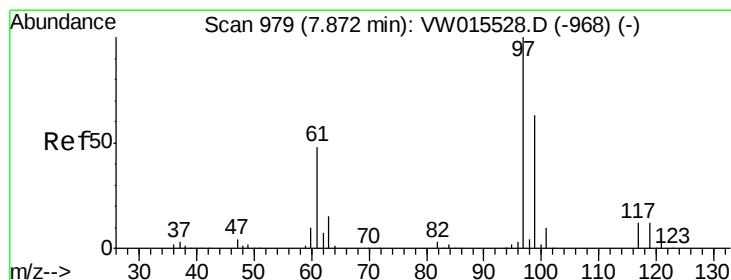
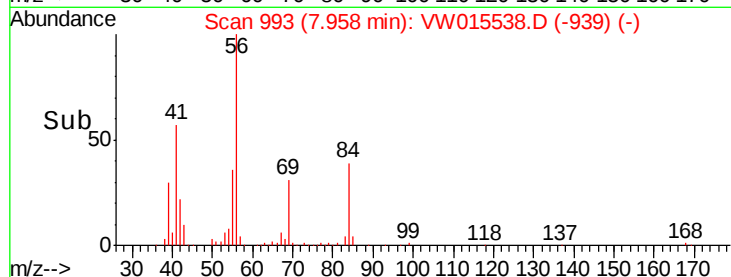
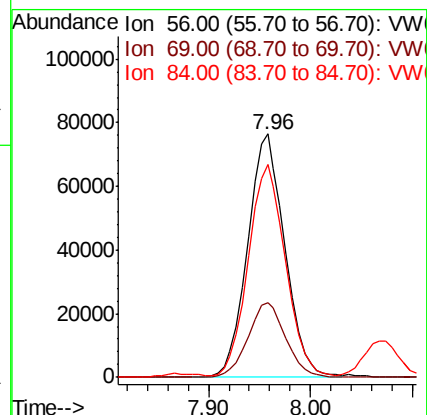
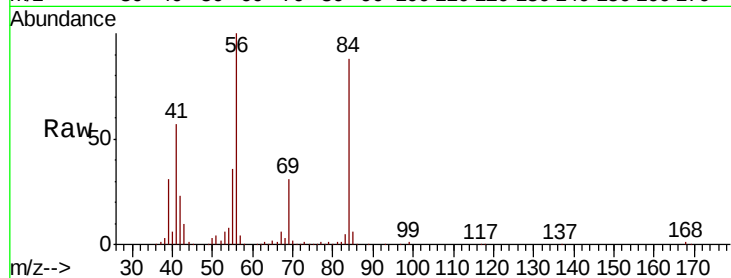




#30
Cyclohexane
Concen: 23.495 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

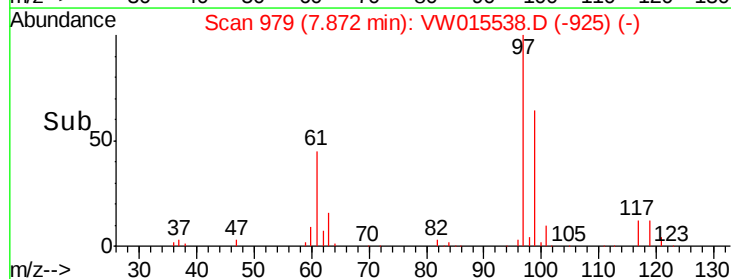
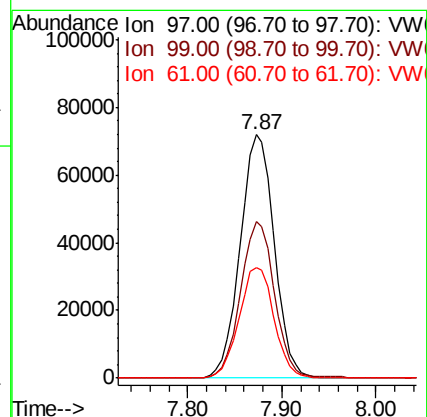
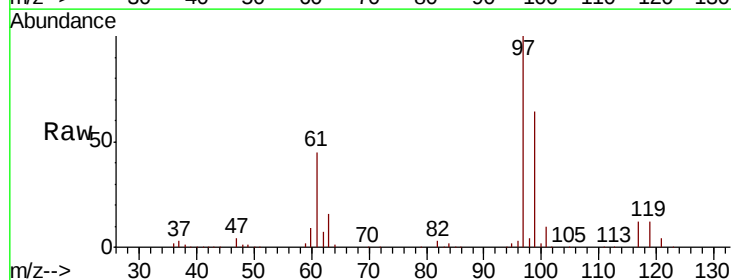
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

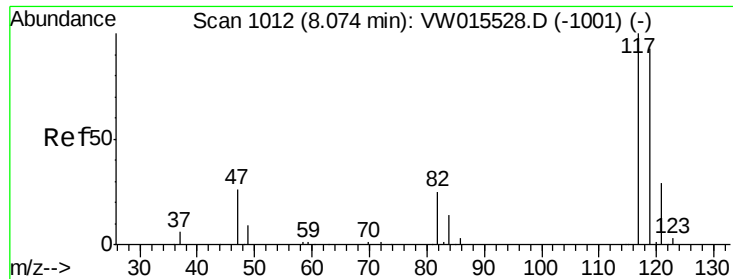
Tot Ion: 56 Resp: 193075
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 88.3 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 24.459 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion: 97 Resp: 181910
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 46.7 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.415 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

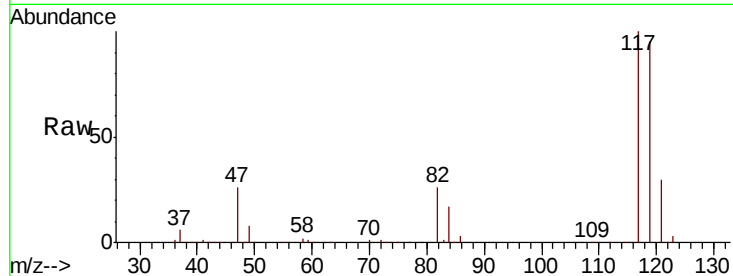
VSTD02521

Tot Ion:117 Resp: 166543

Ion Ratio Lower Upper

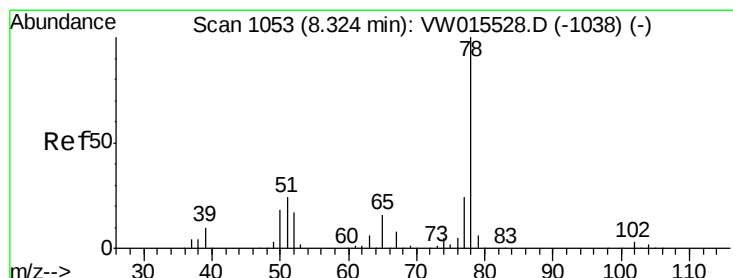
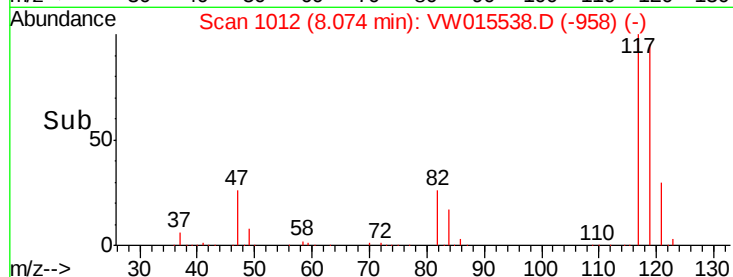
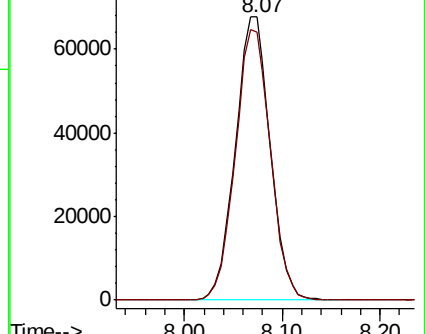
117 100

119 96.5 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: 24.315 ug/L

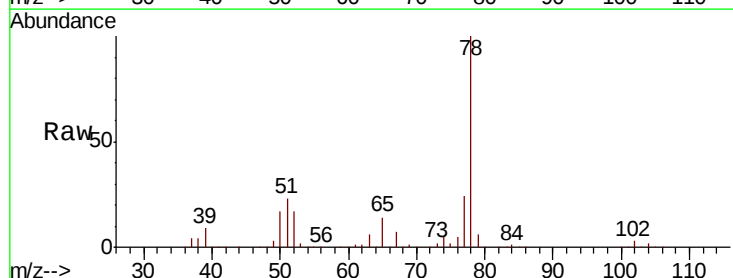
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

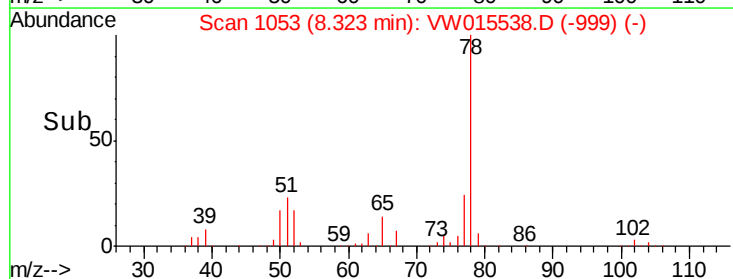
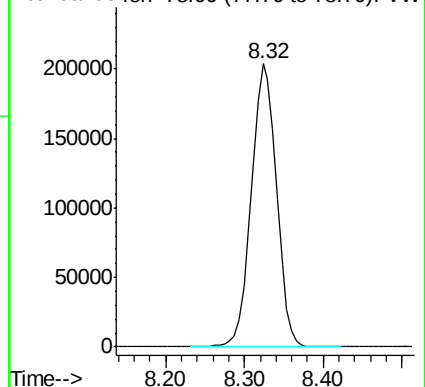
Lab File: VW015538.D

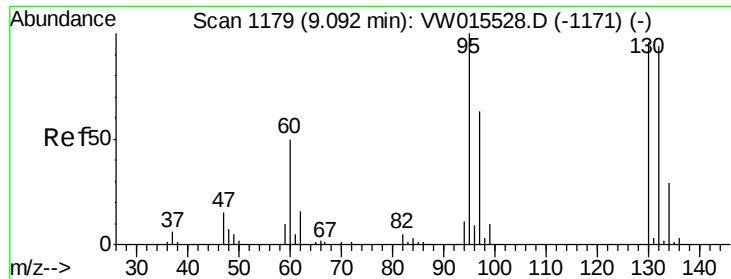
Acq: 05 Jun 2020 11:47

Tgt Ion: 78 Resp: 452045



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.036 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 95 Resp: 120034

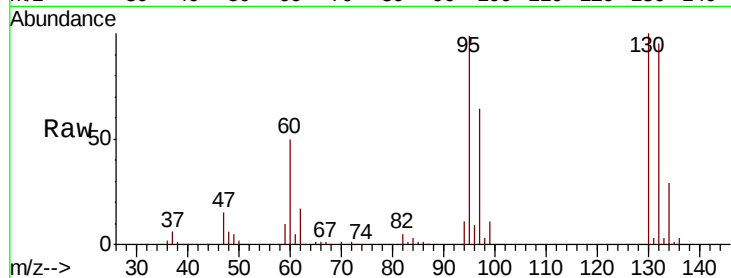
Ion Ratio Lower Upper

95 100

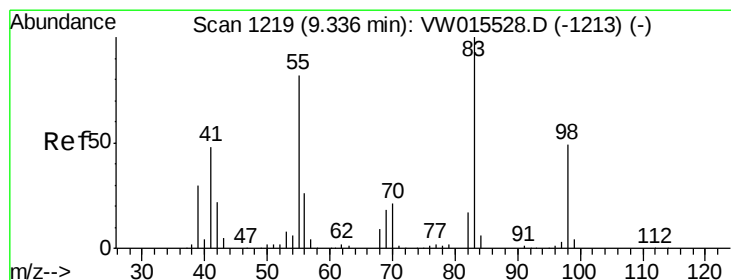
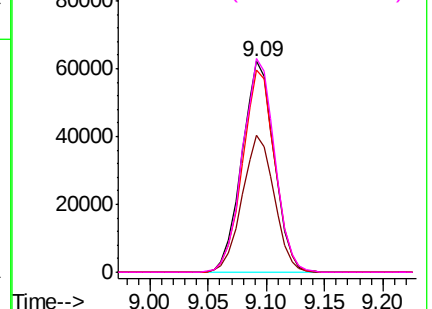
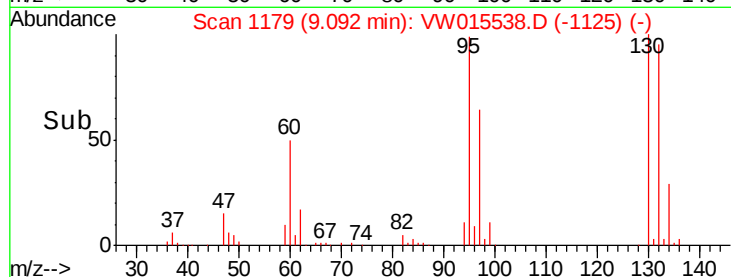
97 64.9 45.4 84.2

132 96.0 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: 24.149 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

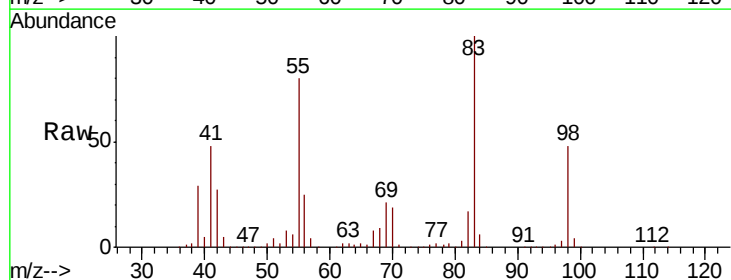
Tgt Ion: 83 Resp: 215089

Ion Ratio Lower Upper

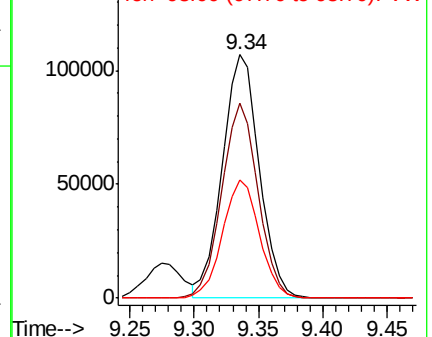
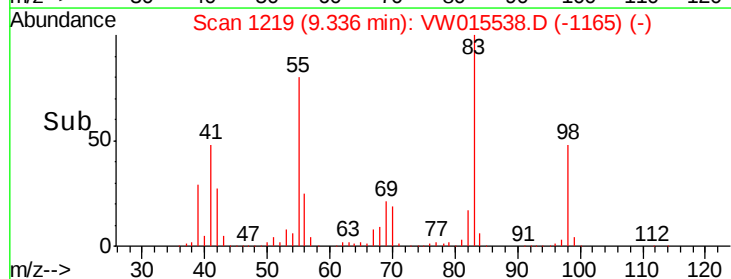
83 100

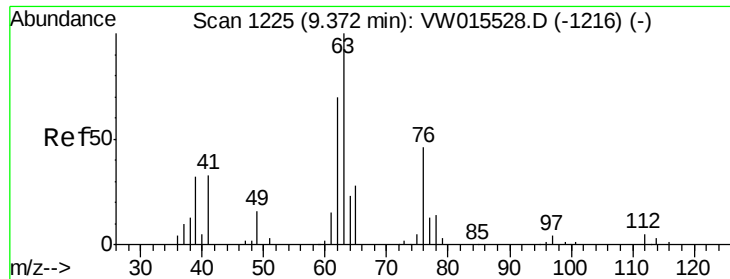
55 78.7 62.8 94.2

98 48.4 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: 24.239 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

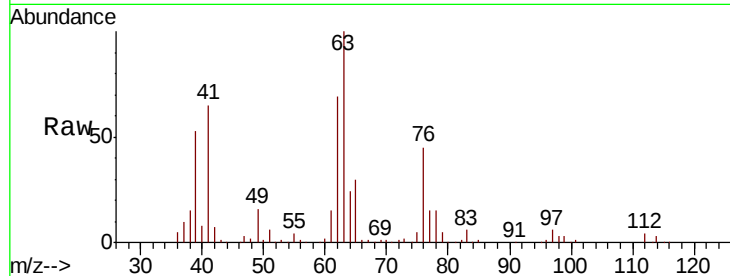
VSTD02521

Tot Ion: 63 Resp: 110972

Ion Ratio Lower Upper

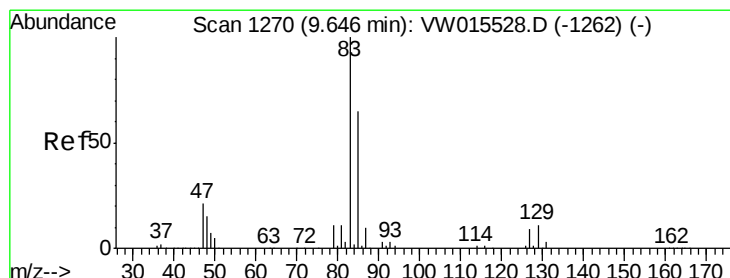
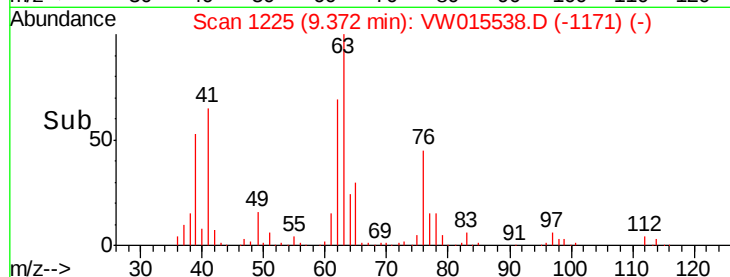
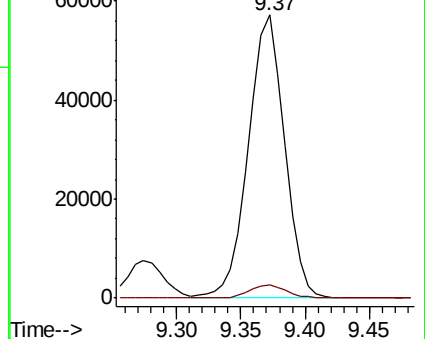
63 100

112 4.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.473 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

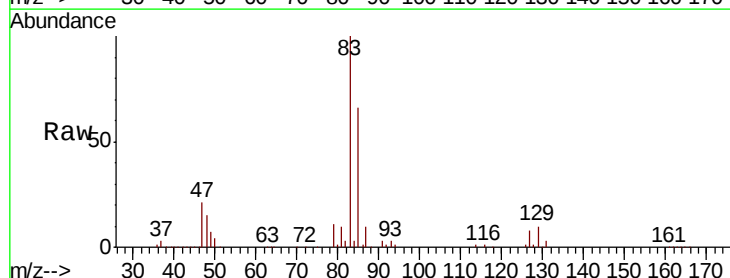
Tgt Ion: 83 Resp: 149682

Ion Ratio Lower Upper

83 100

85 65.5 44.8 83.2

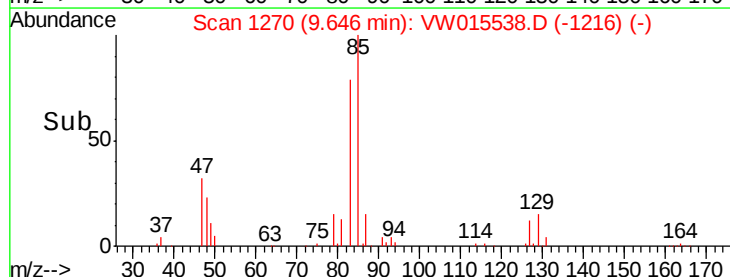
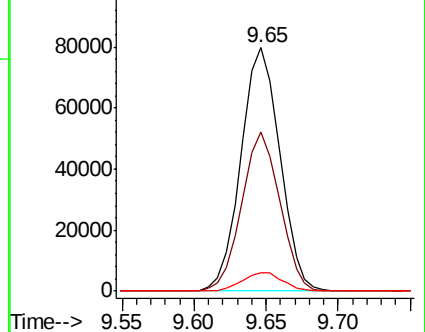
127 7.7 7.0 10.6

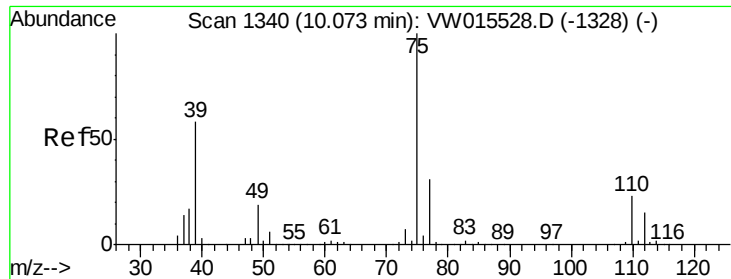


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

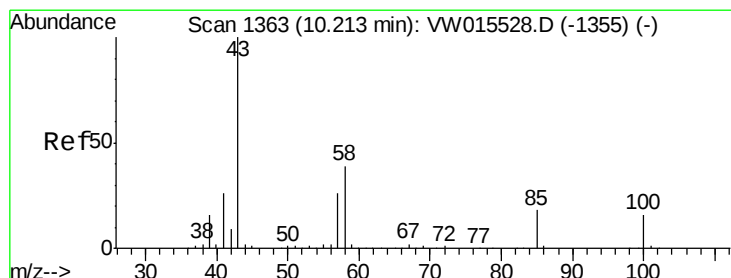
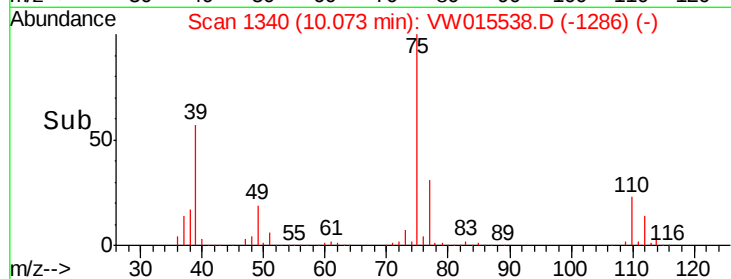
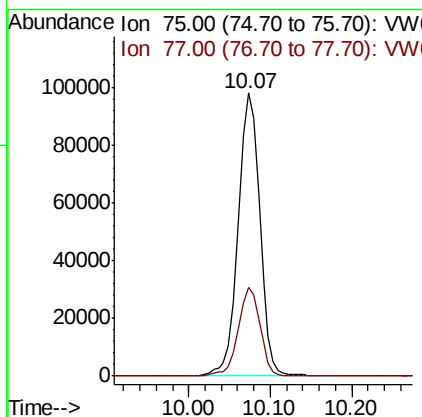
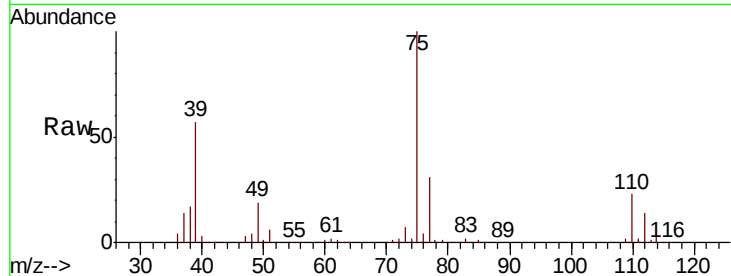




#42
 cis-1,3-Dichloropropene
 Concen: 24.659 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

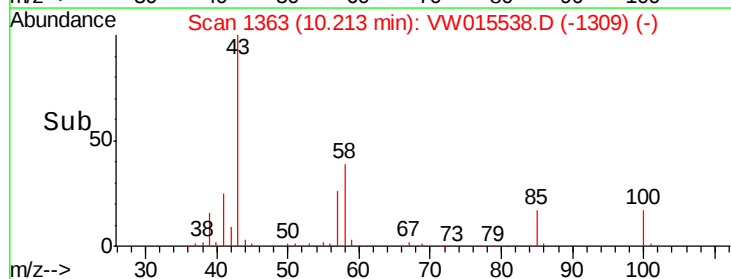
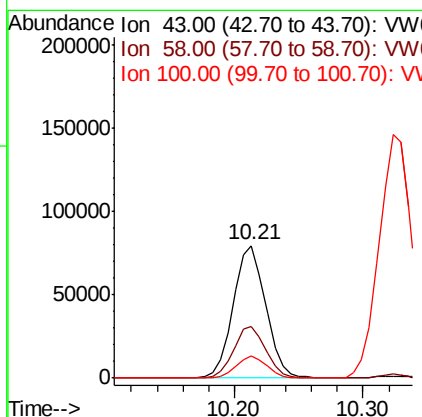
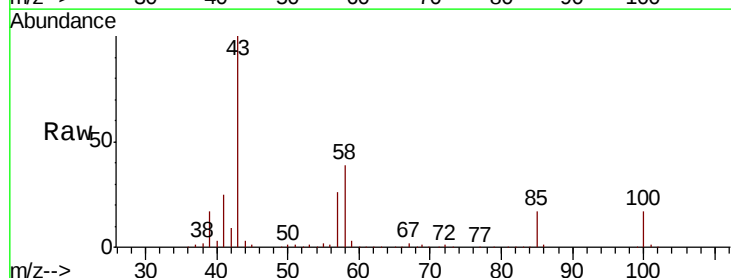
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

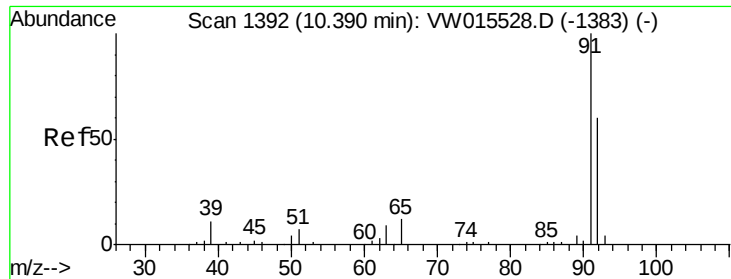
Tot Ion: 75 Resp: 180660
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 51.639 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

Tgt Ion: 43 Resp: 138584
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.6 46.0
 100 15.7 12.5 18.7





#44

Toluene

Concen: 24.509 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

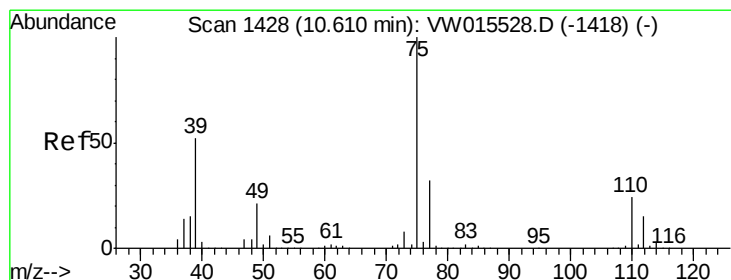
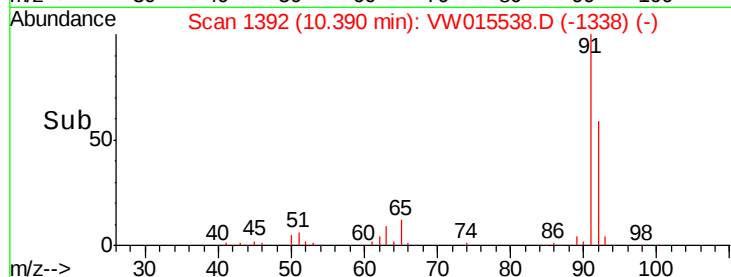
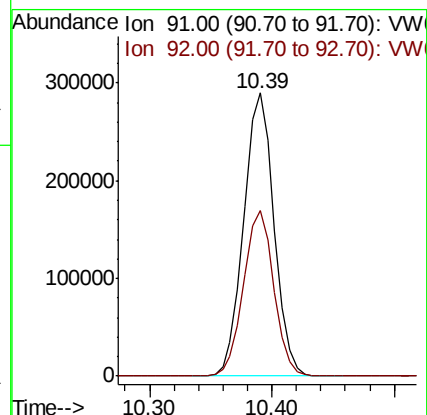
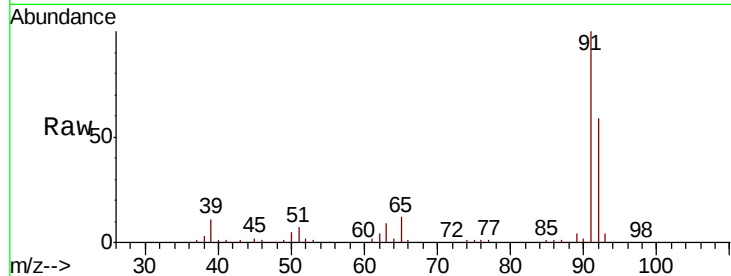
VSTD02521

Tot Ion: 91 Resp: 496424

Ion Ratio Lower Upper

91 100

92 58.7 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 24.984 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015538.D

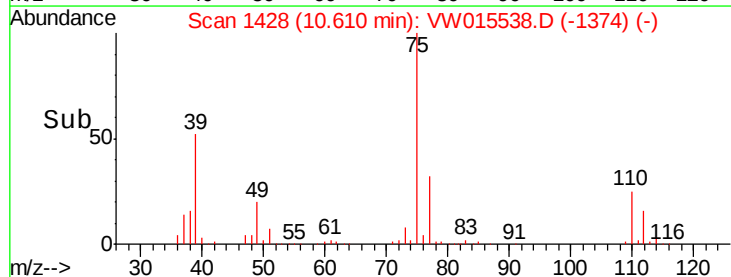
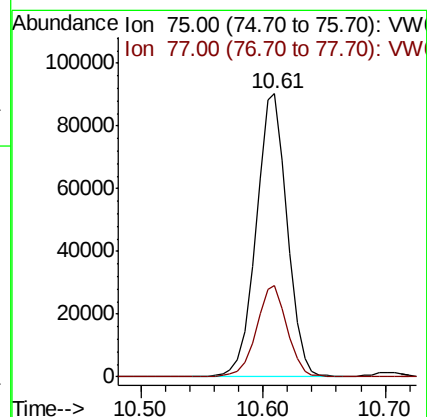
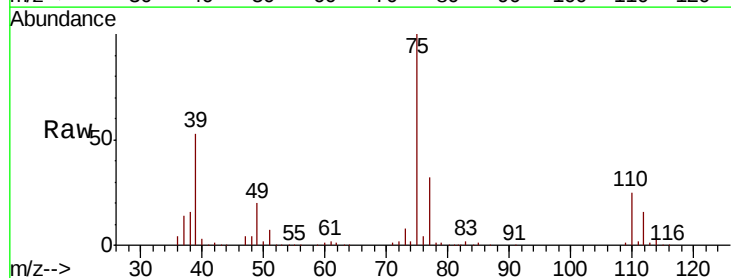
Acq: 05 Jun 2020 11:47

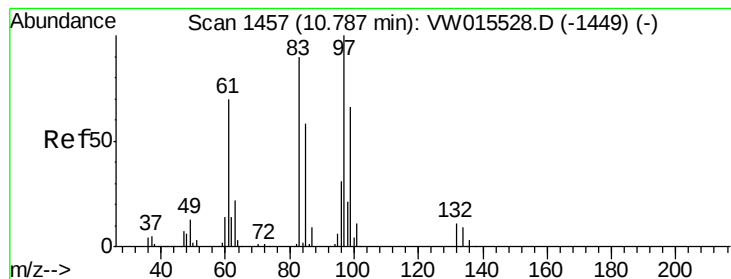
Tgt Ion: 75 Resp: 159292

Ion Ratio Lower Upper

75 100

77 32.3 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 25.675 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 97 Resp: 82237

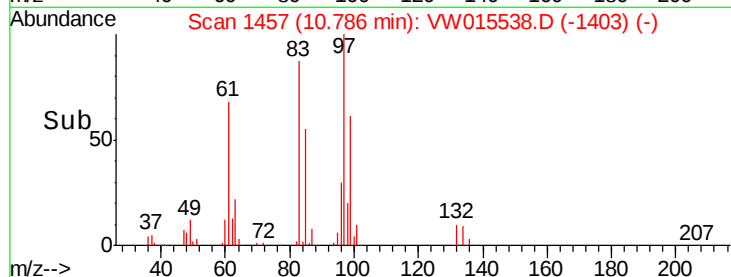
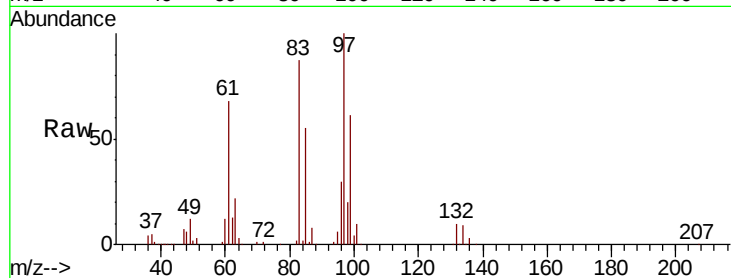
Ion	Ratio	Lower	Upper
97	100		
83	87.4	58.2	108.2
85	55.4	37.4	69.4
99	60.9	43.7	81.1

97 100

83 87.4 58.2 108.2

85 55.4 37.4 69.4

99 60.9 43.7 81.1



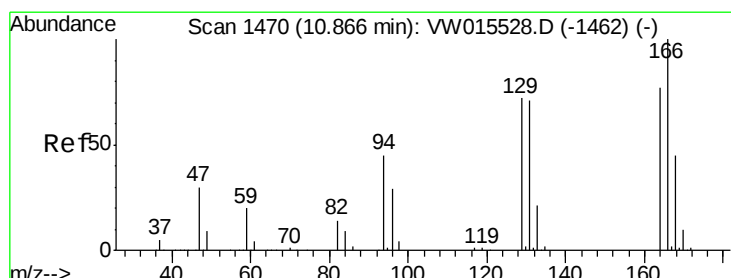
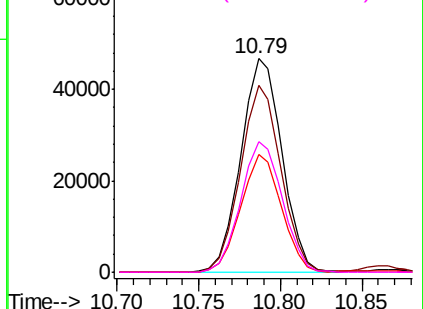
Abundance

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: 24.519 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Tgt Ion: 164 Resp: 97061

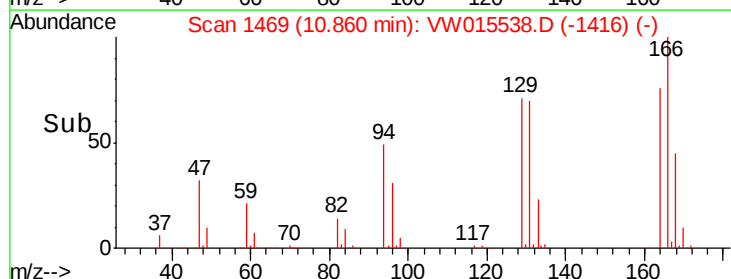
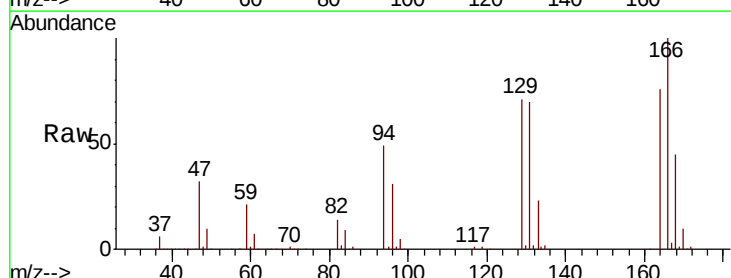
Ion	Ratio	Lower	Upper
164	100		
129	92.9	66.3	123.1
131	92.0	65.1	120.9
166	131.8	90.8	168.6

164 100

129 92.9 66.3 123.1

131 92.0 65.1 120.9

166 131.8 90.8 168.6



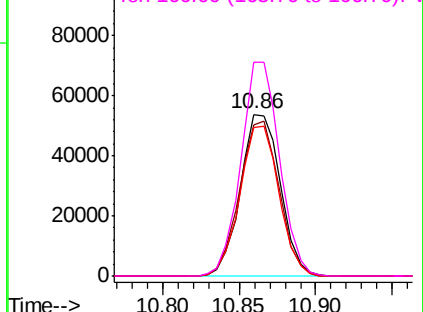
Abundance

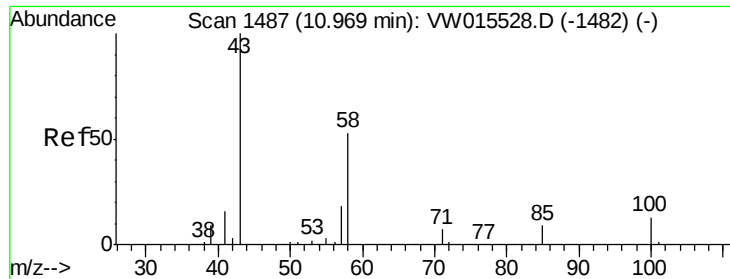
Ion 164.00 (163.70 to 164.70): V

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: 54.797 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 43 Resp: 99264

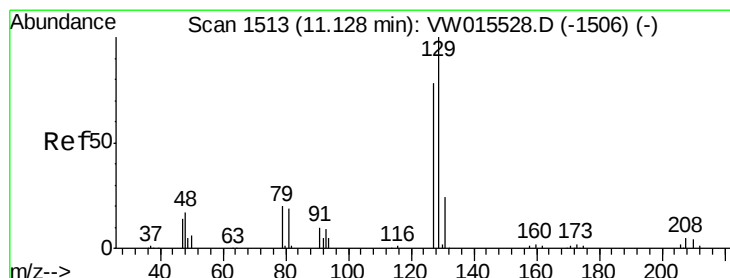
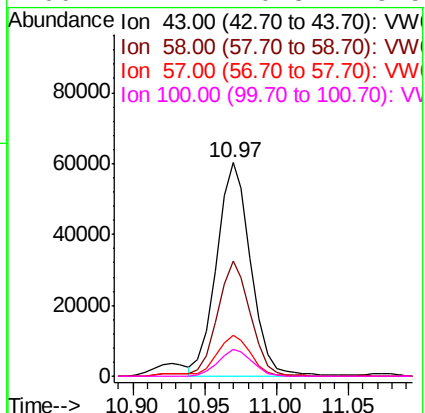
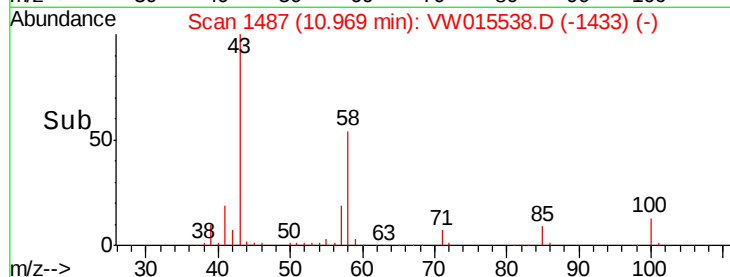
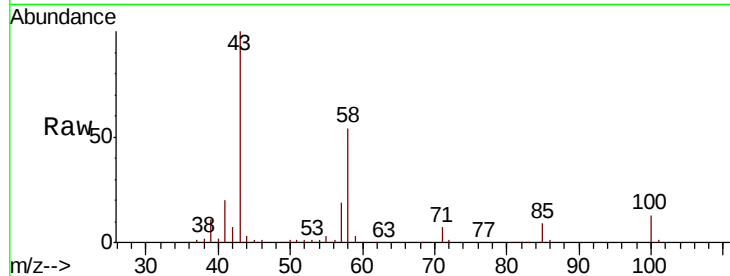
Ion Ratio Lower Upper

43 100

58 51.7 42.6 64.0

57 19.1 15.5 23.3

100 12.4 10.3 15.5



#50

Dibromochloromethane

Concen: 25.751 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015538.D

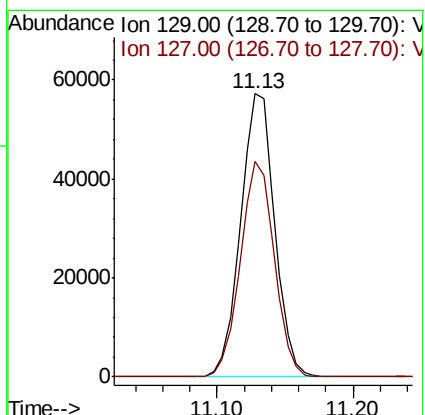
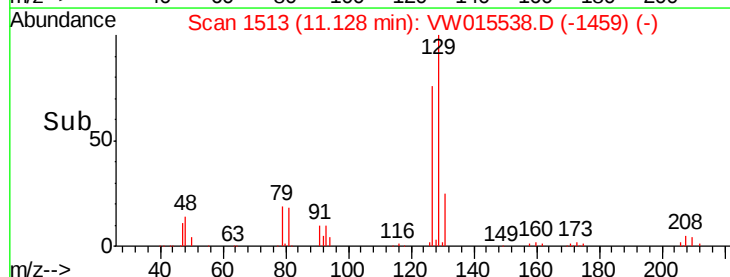
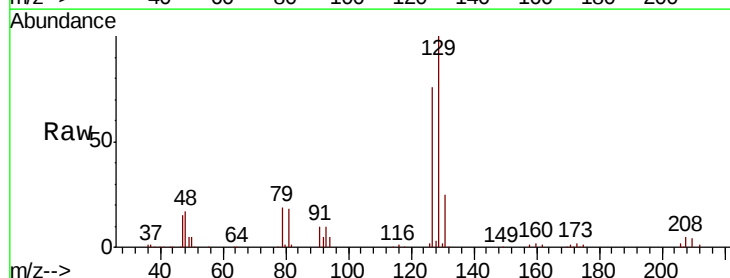
Acq: 05 Jun 2020 11:47

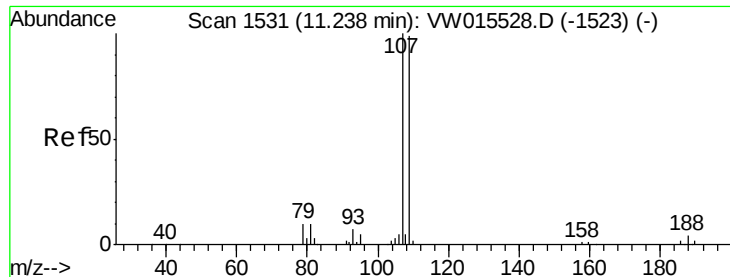
Tgt Ion: 129 Resp: 100208

Ion Ratio Lower Upper

129 100

127 76.2 53.0 98.4

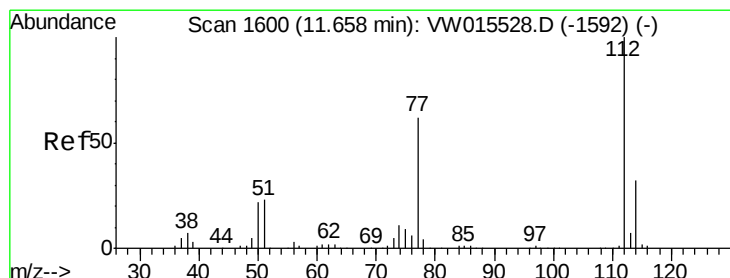
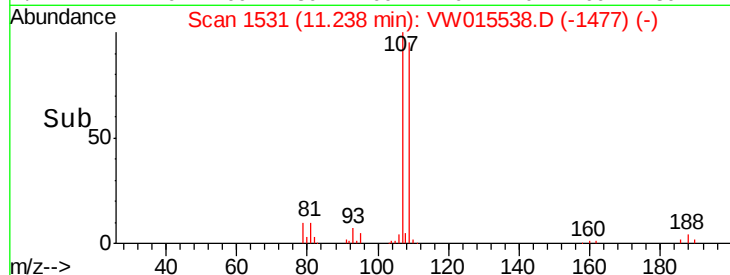
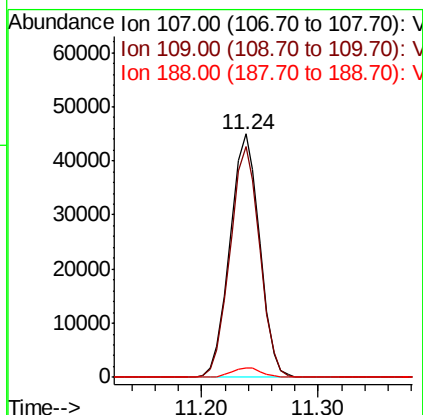
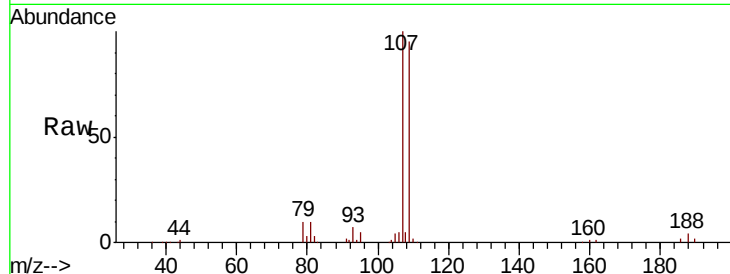




#51
 1,2-Dibromoethane
 Concen: 26.040 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

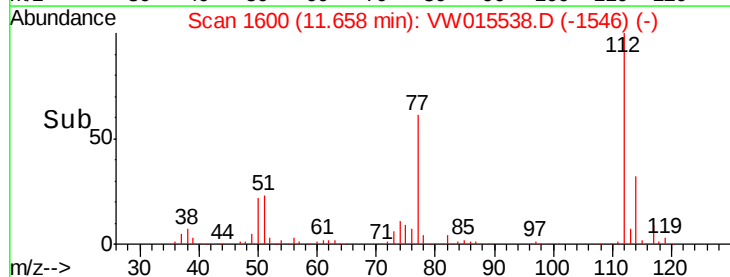
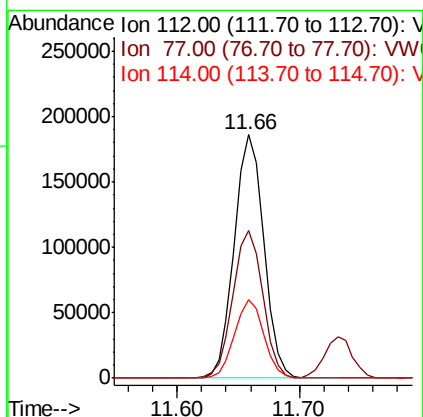
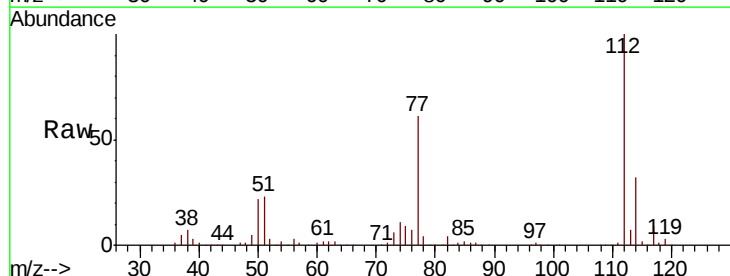
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

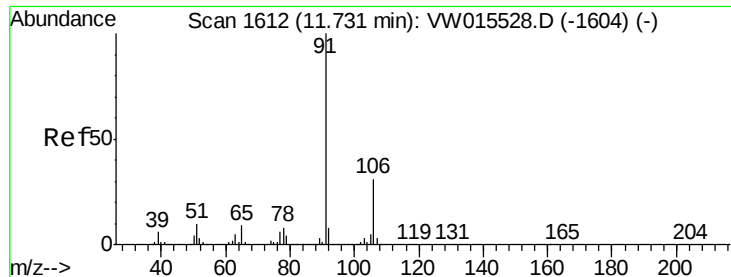
Tot Ion:107 Resp: 80071
 Ion Ratio Lower Upper
 107 100
 109 94.6 64.6 120.0
 188 3.7 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.499 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

Tgt Ion:112 Resp: 311252
 Ion Ratio Lower Upper
 112 100
 77 60.9 49.7 74.5
 114 32.4 21.8 40.6

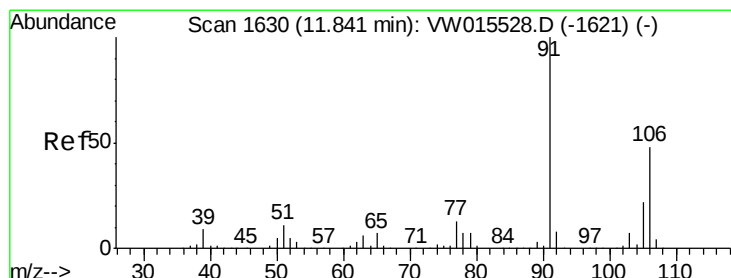
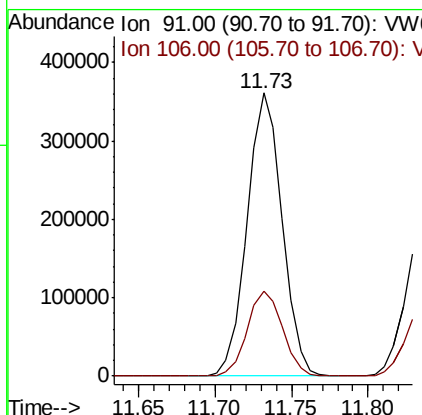
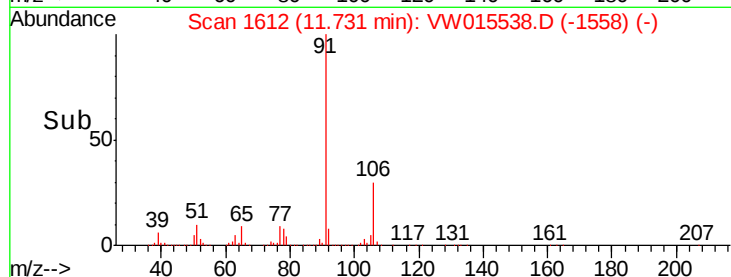
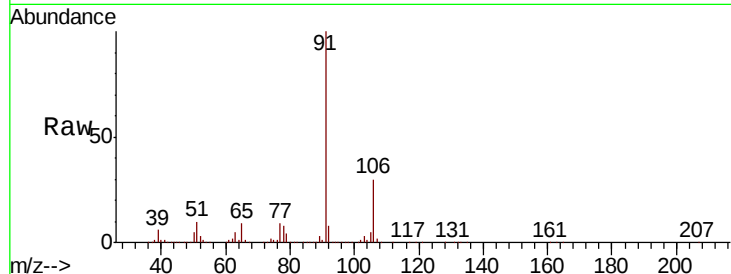




#53
Ethylbenzene
Concen: 24.627 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

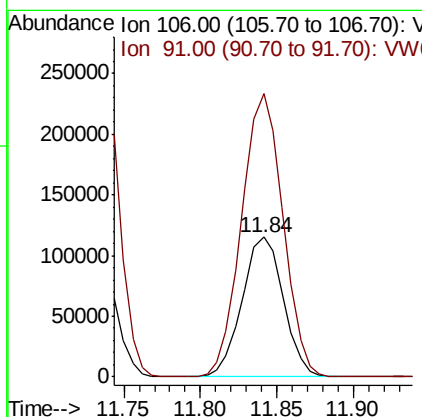
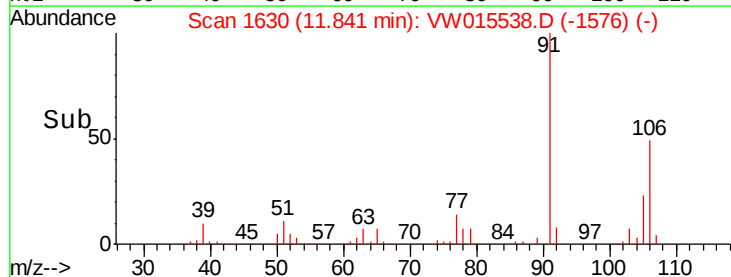
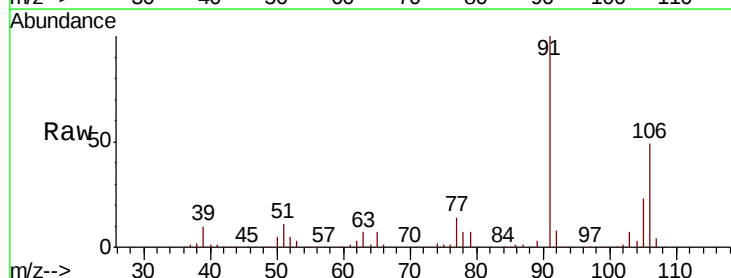
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

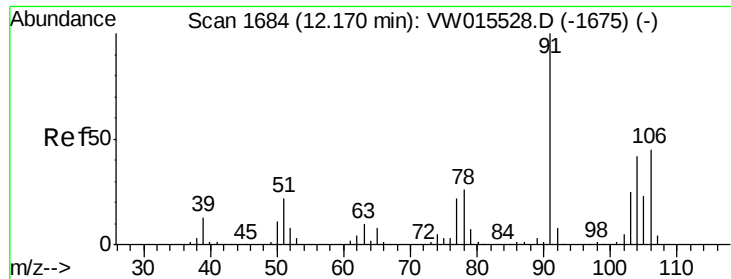
Tot Ion: 91 Resp: 572782
Ion Ratio Lower Upper
91 100
106 30.1 21.3 39.6



#54
m,p-Xylene
Concen: 24.813 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion: 106 Resp: 216553
Ion Ratio Lower Upper
106 100
91 202.9 142.6 264.8

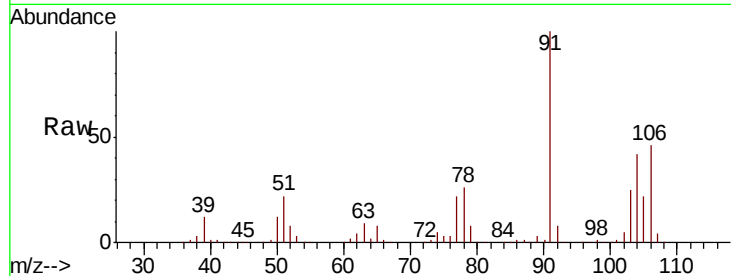




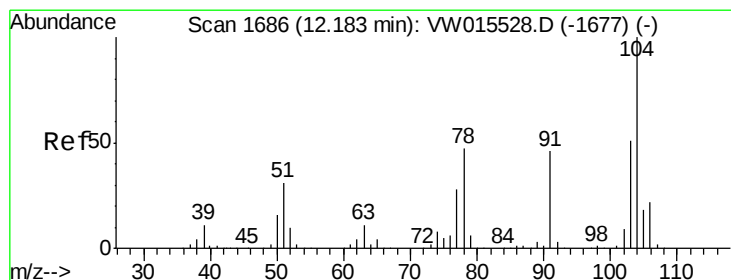
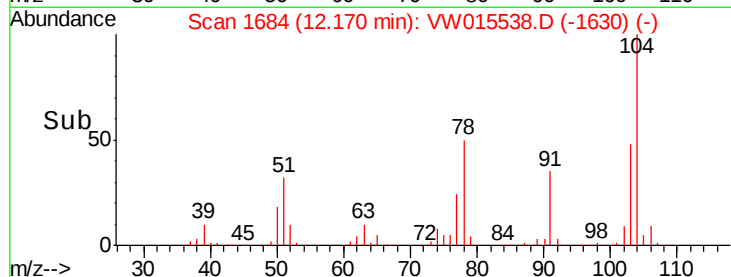
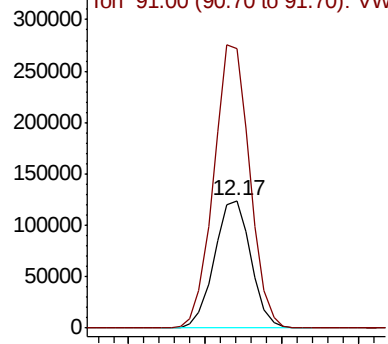
#55
o-xylene
Concen: 24.715 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Instrument :
MSVOA_W
ClientSampled :
VSTD02521

Tot Ion:106 Resp: 204740
Ion Ratio Lower Upper
106 100
91 218.4 149.0 276.6

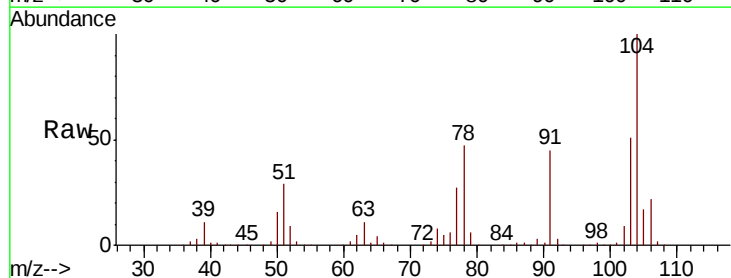


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

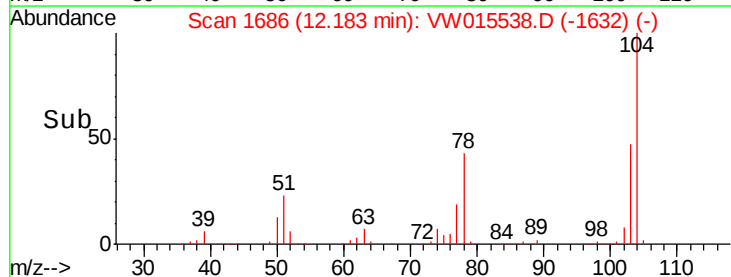
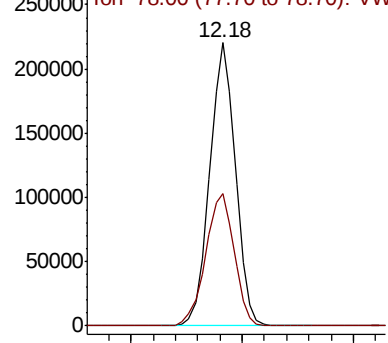


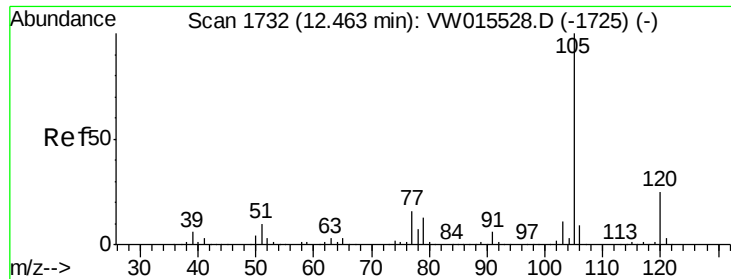
#56
Styrene
Concen: 24.786 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015538.D
Acq: 05 Jun 2020 11:47

Tgt Ion:104 Resp: 350850
Ion Ratio Lower Upper
104 100
78 46.6 32.9 61.1



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





#57

Isopropylbenzene

Concen: 24.803 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

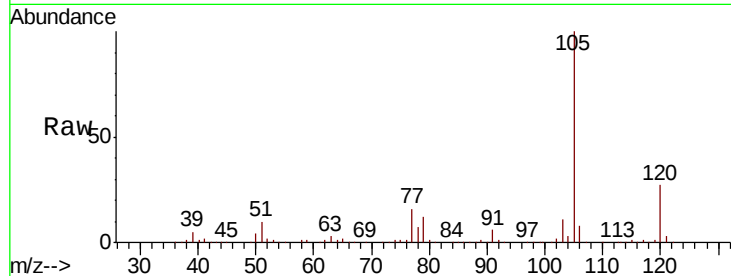
Tot Ion:105 Resp: 572364

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

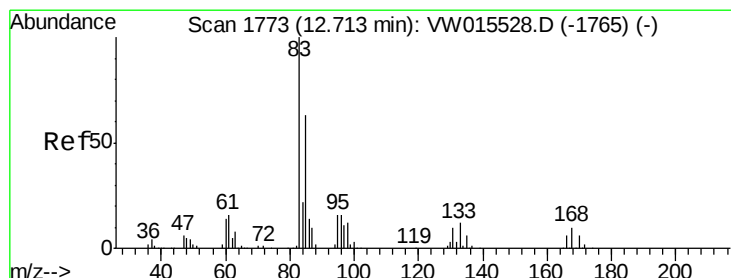
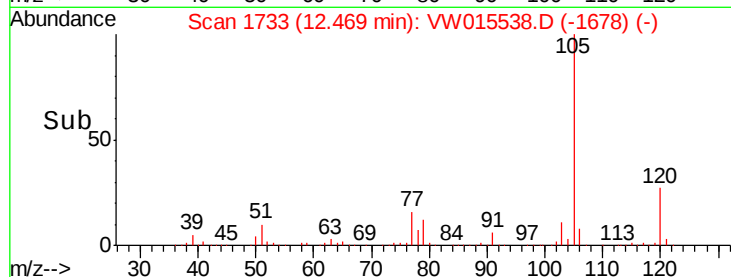
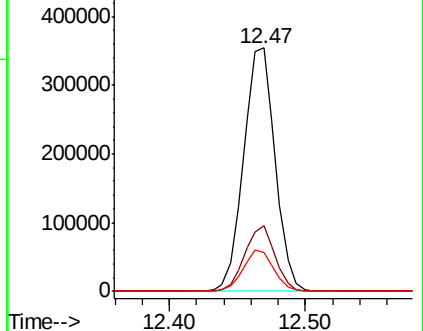
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.471 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

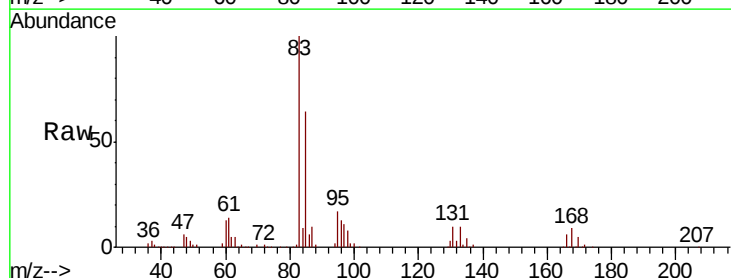
Tgt Ion: 83 Resp: 98161

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

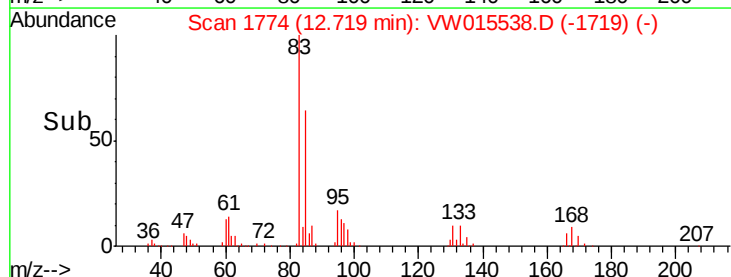
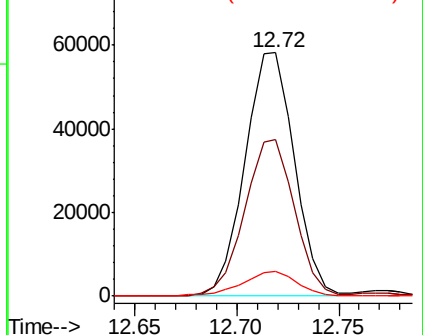
131 10.4 9.1 13.7

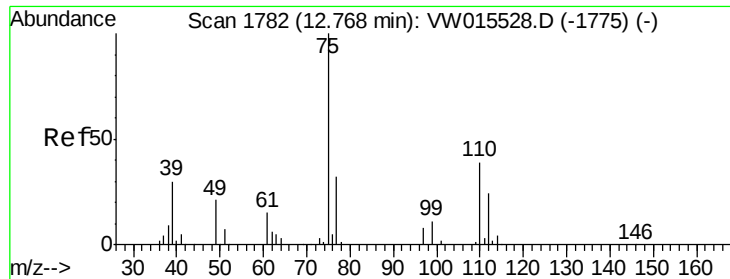


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.403 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

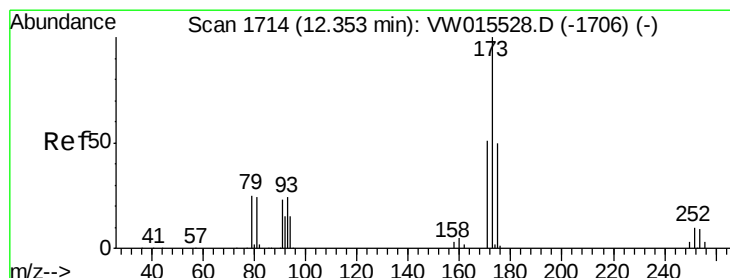
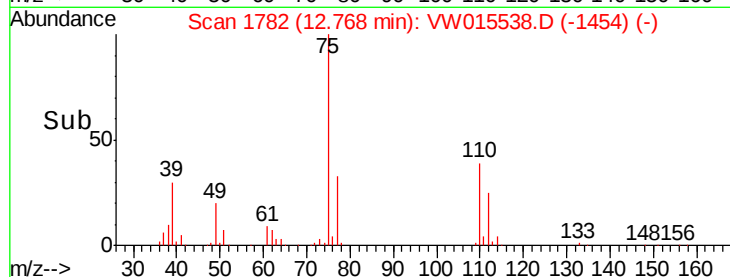
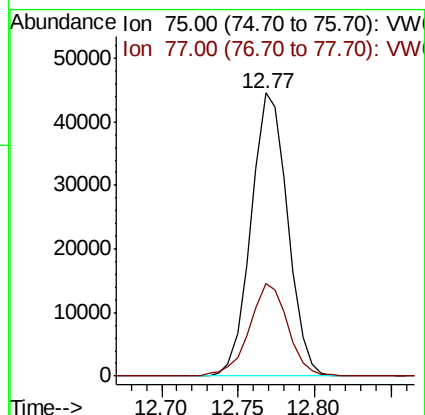
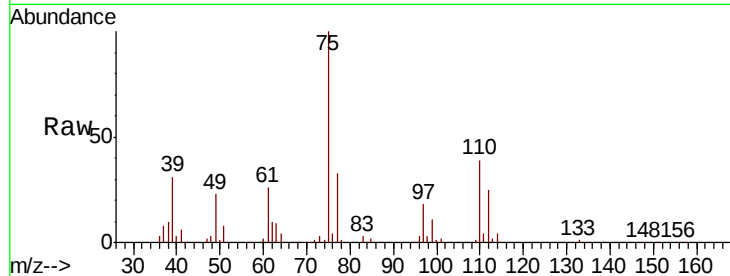
VSTD02521

Tot Ion: 75 Resp: 74237

Ion Ratio Lower Upper

75 100

77 34.6 25.9 38.9



#62

Bromoform

Concen: 24.411 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

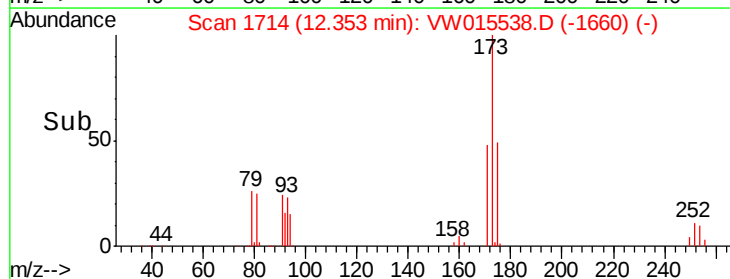
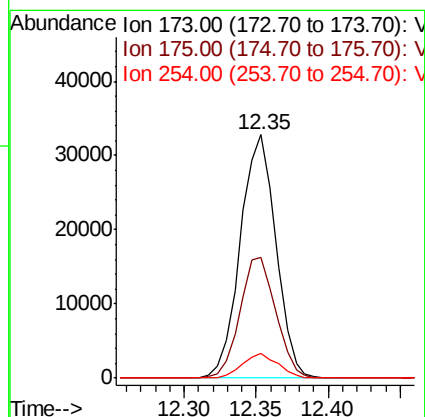
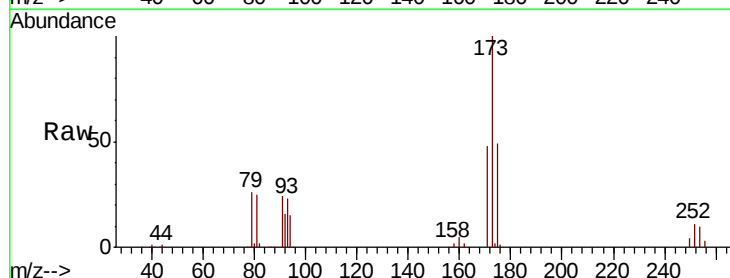
Tgt Ion: 173 Resp: 56159

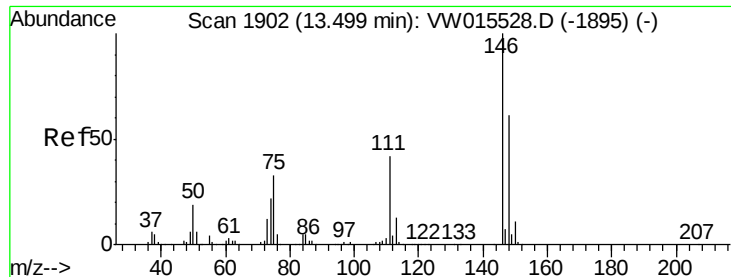
Ion Ratio Lower Upper

173 100

175 49.9 37.9 56.9

254 10.0 6.8 10.2

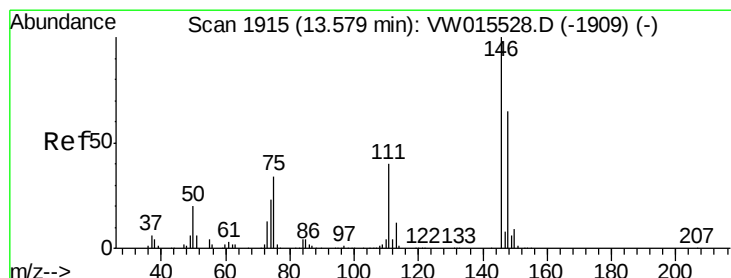
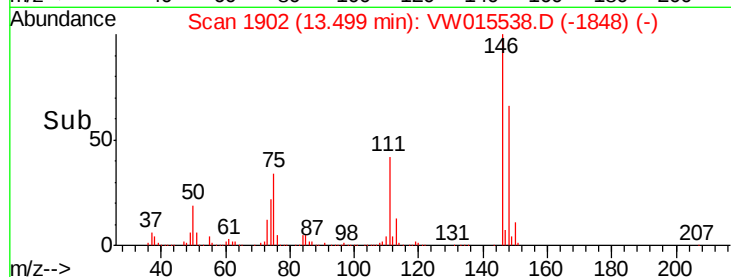
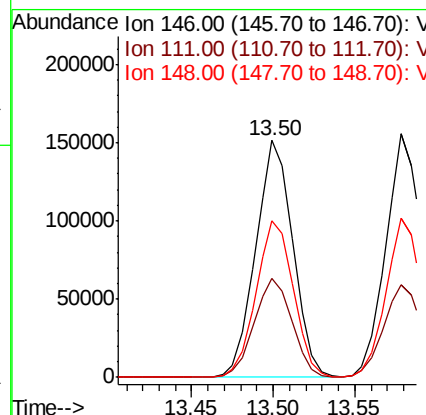
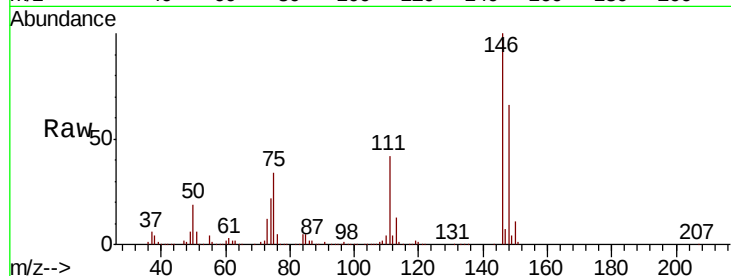




#63
 1,3-Dichlorobenzene
 Concen: 23.806 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

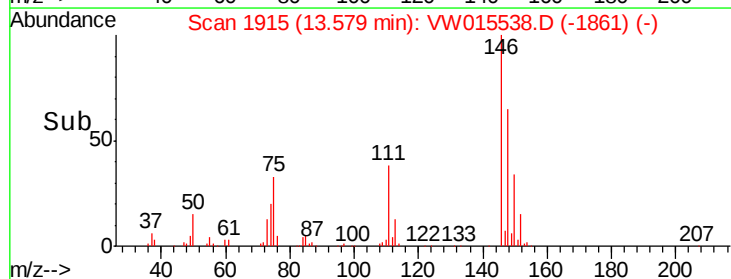
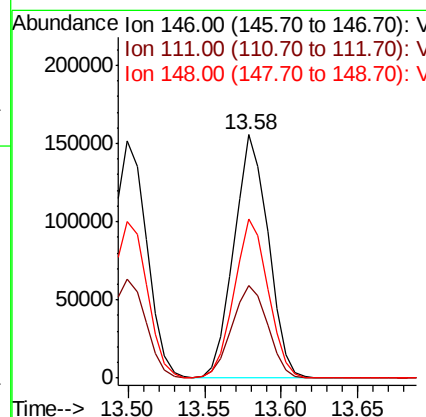
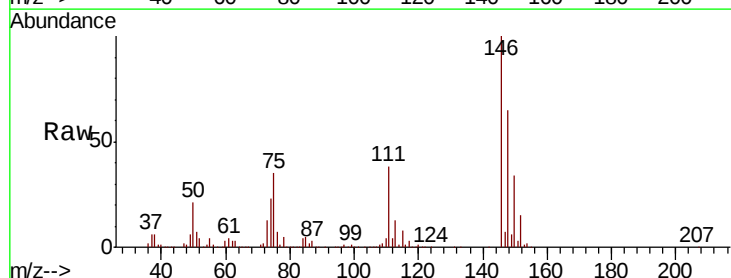
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

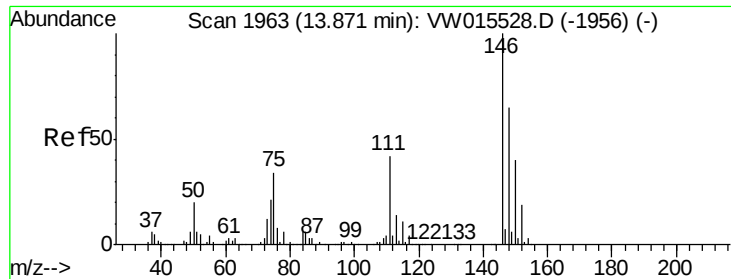
Tot Ion:146 Resp: 240532
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.3 54.5
 148 66.2 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 24.528 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015538.D
 Acq: 05 Jun 2020 11:47

Tgt Ion:146 Resp: 242822
 Ion Ratio Lower Upper
 146 100
 111 38.2 28.1 52.1
 148 65.5 43.3 80.3





#65

1,2-Dichlorobenzene

Concen: 24.995 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

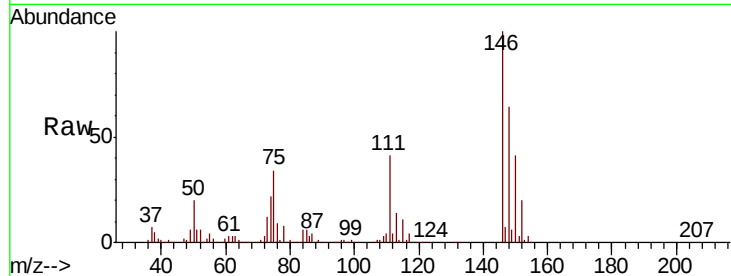
Tot Ion:146 Resp: 219456

Ion Ratio Lower Upper

146 100

111 41.3 34.9 52.3

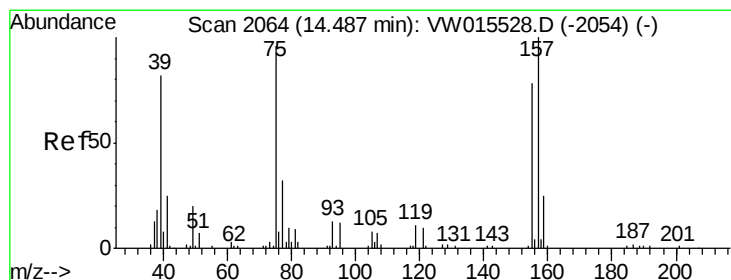
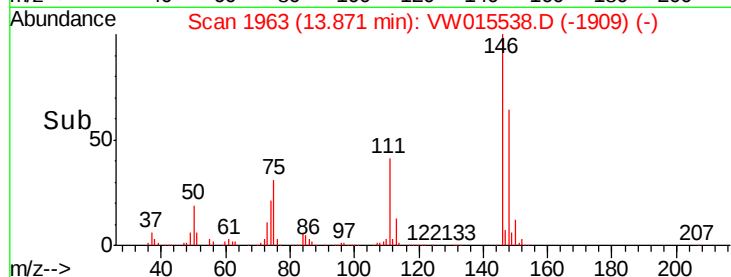
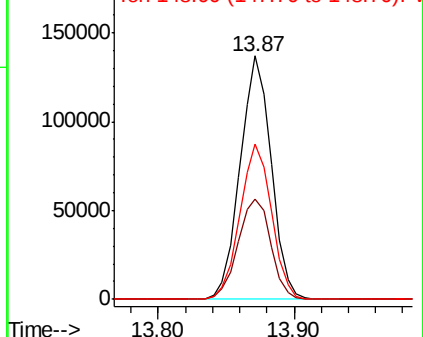
148 63.9 51.8 77.8



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: 25.255 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

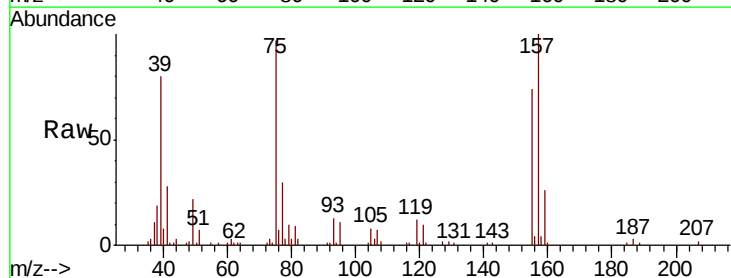
Tgt Ion: 75 Resp: 16821

Ion Ratio Lower Upper

75 100

157 103.4 87.4 131.0

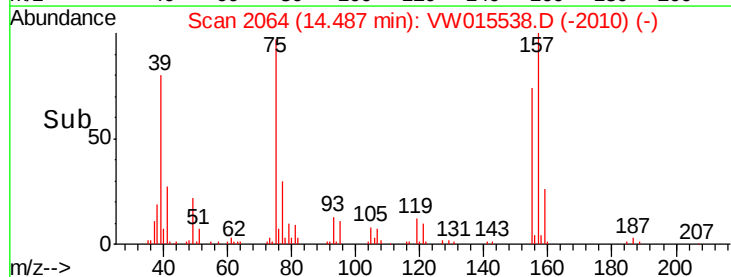
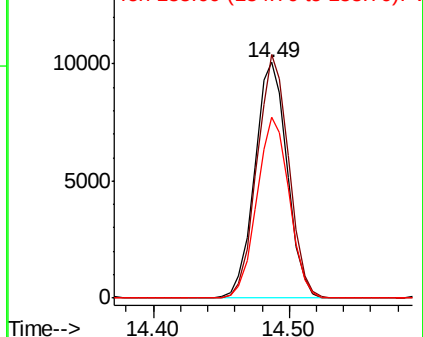
155 76.7 64.6 96.8

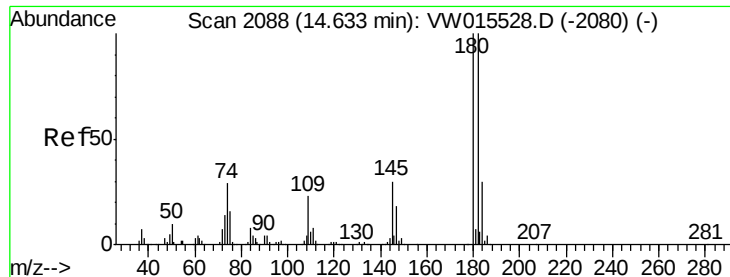


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 25.166 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion:180 Resp: 176033

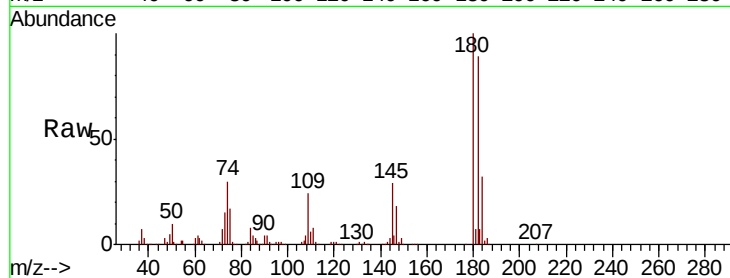
Ion Ratio Lower Upper

180 100

182 93.4 76.6 114.8

184 30.6 24.4 36.6

145 29.8 24.0 36.0

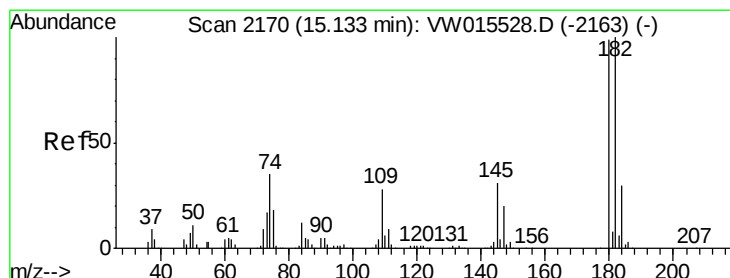
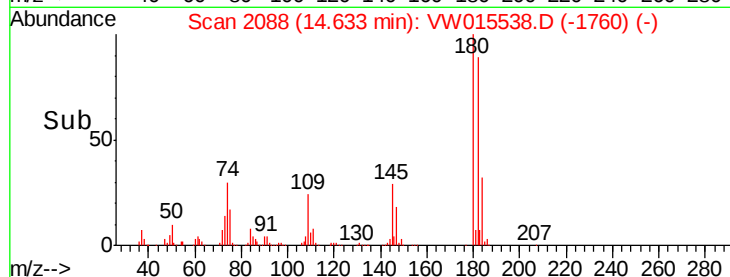
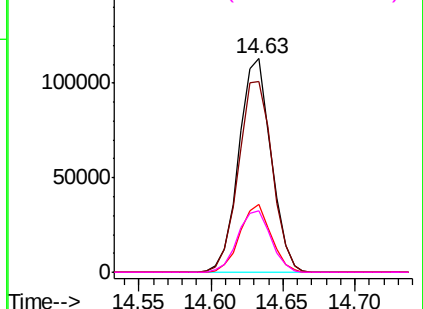


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.158 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

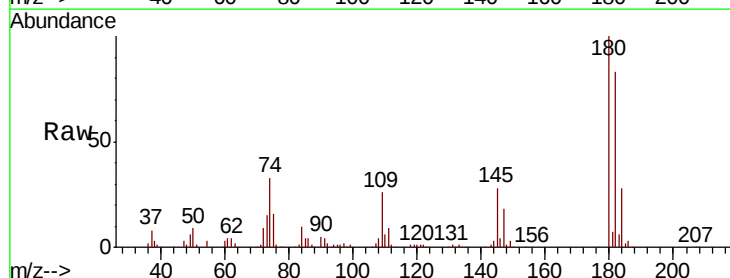
Tgt Ion:180 Resp: 153003

Ion Ratio Lower Upper

180 100

182 90.8 76.1 114.1

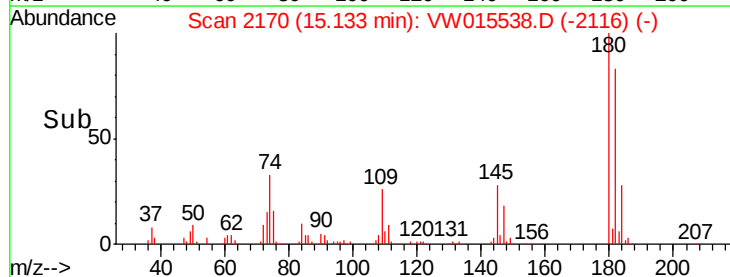
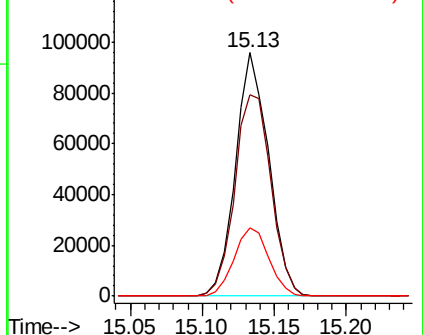
145 29.8 25.2 37.8

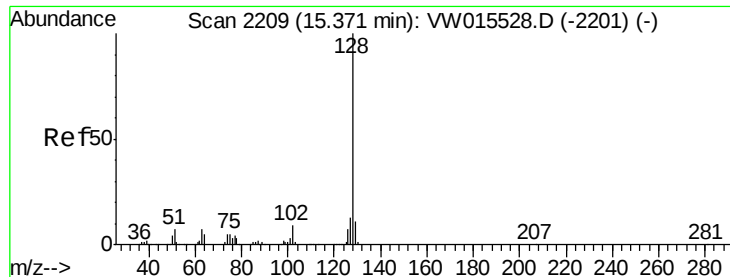


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.528 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

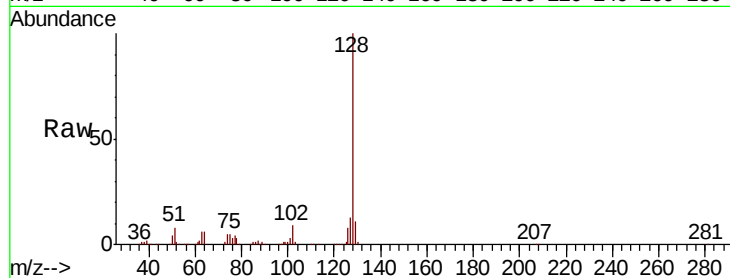
Tot Ion:128 Resp: 281608

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.2 10.6 15.8

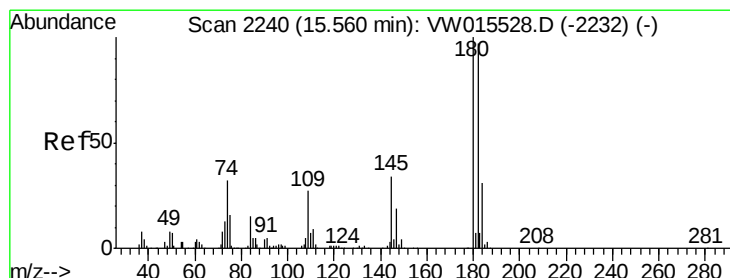
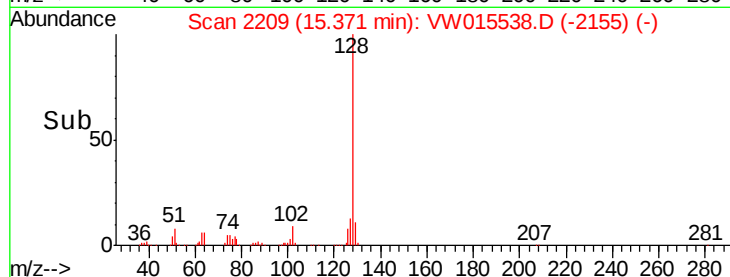
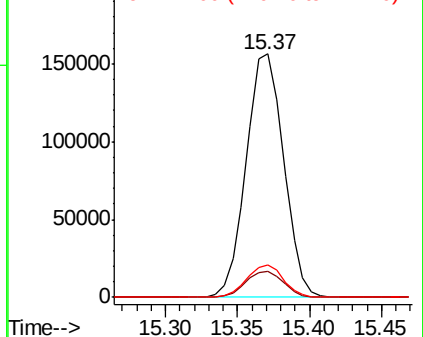


Abundance

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



#70

1,2,3-Trichlorobenzene

Concen: 26.646 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015538.D

Acq: 05 Jun 2020 11:47

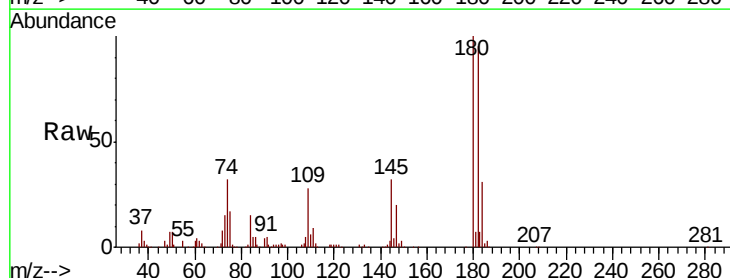
Tgt Ion:180 Resp: 127716

Ion Ratio Lower Upper

180 100

182 95.5 75.4 113.2

145 33.1 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

