

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\
 Data File : VW015510.D
 Acq On : 27 May 2020 17:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: May 28 01:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338601	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312098	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154661	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	66654	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
7) Chloroethane-d5	2.89	69	71523	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
10) 1,1-Dichloroethene-d2	4.02	63	165159	21.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.36%
20) 2-Butanone-d5	7.08	46	60924	60.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.28%
24) Chloroform-d	7.65	84	193466	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.30	65	111075	25.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.00%
29) Benzene-d6	8.27	84	353807	23.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.48%
33) 1,2-Dichloropropane-d6	9.27	67	111006	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.44%
37) Toluene-d8	10.32	98	335691	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.24%
38) trans-1,3-Dichloropropene-	10.58	79	51616	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.96%
39) 2-Hexanone-d5	10.93	63	50076	62.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103662	29.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	130240	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	83849	28.031	ug/L 99
3) Chloromethane	2.21	50	80447	24.430	ug/L 99
5) Vinyl chloride	2.37	62	127431	25.733	ug/L 100
6) Bromomethane	2.78	94	83595	25.972	ug/L 99
8) Chloroethane	2.93	64	79641	26.420	ug/L 98
9) Trichlorofluoromethane	3.26	101	84421	23.955	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105982	25.356	ug/L 99
12) 1,1-Dichloroethene	4.03	96	100529	24.899	ug/L 98
13) Acetone	4.12	43	46197	58.987	ug/L 100
14) Carbon disulfide	4.38	76	319594	23.728	ug/L 100
15) Methyl Acetate	4.67	43	50735	29.943	ug/L 100
16) Methylene chloride	4.92	84	108950	26.217	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	176069	27.480	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	113750	26.289	ug/L 99
19) 1,1-Dichloroethane	6.21	63	204718	26.305	ug/L 100
21) 2-Butanone	7.17	43	70939	58.964	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	120173	26.624	ug/L 97

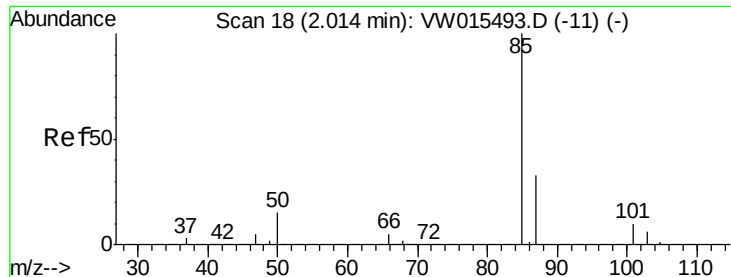
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\
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 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53593	27.534	ug/L	99
25) Chloroform	7.68	83	210978	26.923	ug/L	100
27) 1,2-Dichloroethane	8.40	62	149088	28.122	ug/L	99
30) Cyclohexane	7.96	56	193599	25.095	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	181412	25.982	ug/L	99
32) Carbon tetrachloride	8.07	117	161368	25.198	ug/L	98
34) Benzene	8.32	78	460944	26.410	ug/L	100
35) Trichloroethene	9.09	95	122388	26.105	ug/L	99
36) Methylcyclohexane	9.34	83	215658	25.792	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114645	26.674	ug/L	99
41) Bromodichloromethane	9.65	83	150867	26.274	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	183069	26.617	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	153620	60.973	ug/L	100
44) Toluene	10.39	91	508104	26.721	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	162668	27.177	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	87196	28.998	ug/L	99
47) Tetrachloroethene	10.86	164	96332	25.921	ug/L	97
49) 2-Hexanone	10.97	43	108515	63.809	ug/L	99
50) Dibromochloromethane	11.13	129	102027	27.927	ug/L	99
51) 1,2-Dibromoethane	11.24	107	84630	29.316	ug/L	99
52) Chlorobenzene	11.66	112	322322	27.024	ug/L	98
53) Ethylbenzene	11.73	91	585374	26.810	ug/L	99
54) m,p-Xylene	11.84	106	219506	26.791	ug/L	96
55) o-xylene	12.16	106	209821	26.979	ug/L	90
56) Styrene	12.18	104	369529	27.808	ug/L	96
57) Isopropylbenzene	12.46	105	583800	26.948	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107247	30.807	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	80018	30.314	ug/L	99
62) Bromoform	12.35	173	56485	26.212	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	249595	26.373	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	254975	27.496	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	230946	28.081	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	18591	29.799	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	178432	27.232	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	154930	29.358	ug/L	99
69) Naphthalene	15.36	128	308471	32.192	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	135502	30.182	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 28.031 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

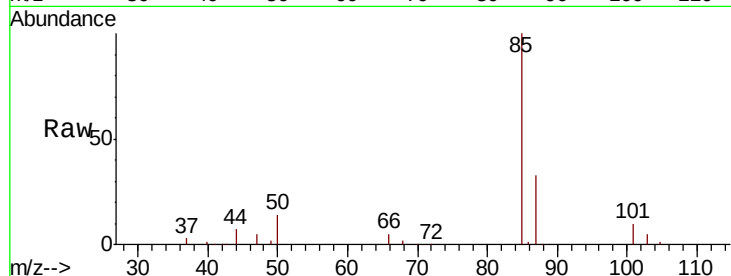
VSTD02516

Tot Ion: 85 Resp: 83849

Ion Ratio Lower Upper

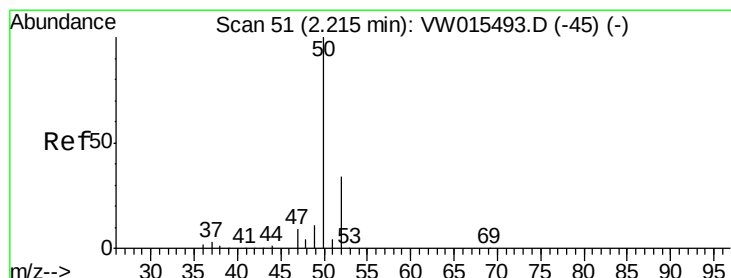
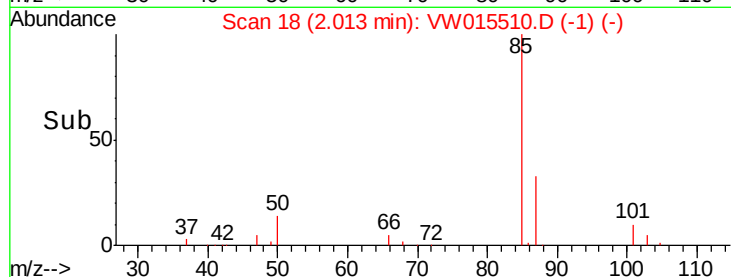
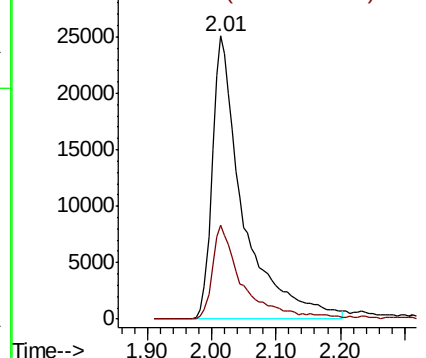
85 100

87 30.9 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: 24.430 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015510.D

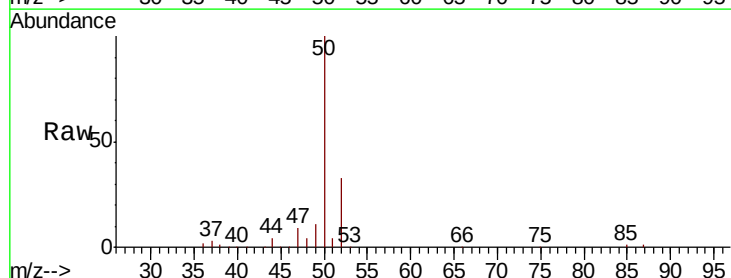
Acq: 27 May 2020 17:32

Tgt Ion: 50 Resp: 80447

Ion Ratio Lower Upper

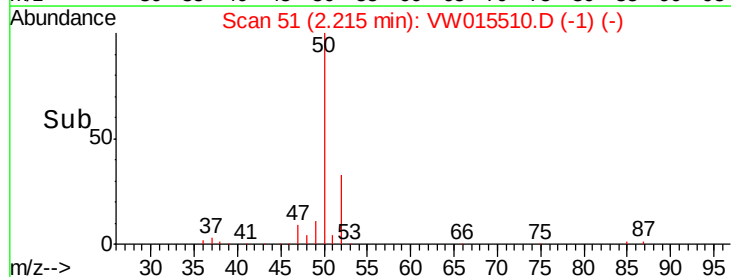
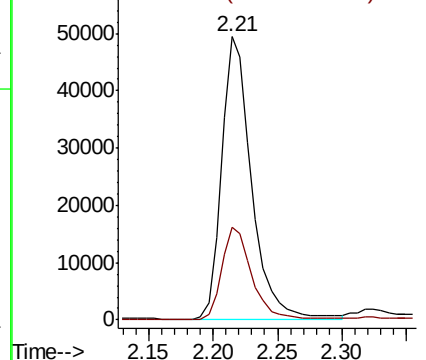
50 100

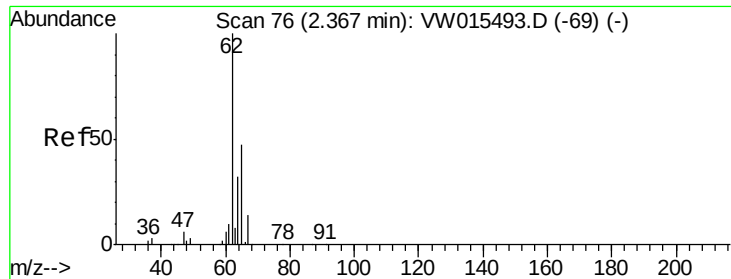
52 32.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.733 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

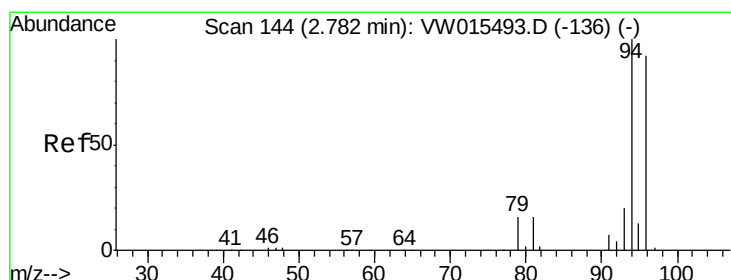
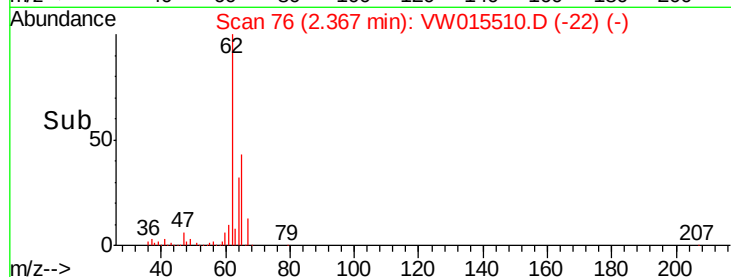
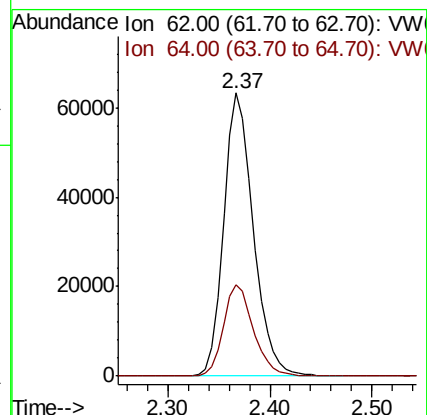
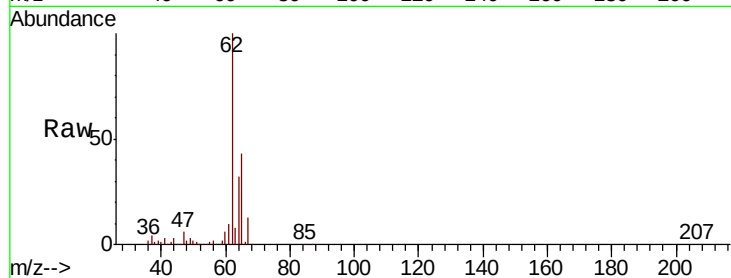
VSTD02516

Tot Ion: 62 Resp: 127431

Ion Ratio Lower Upper

62 100

64 32.5 22.6 42.0



#6

Bromomethane

Concen: 25.972 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015510.D

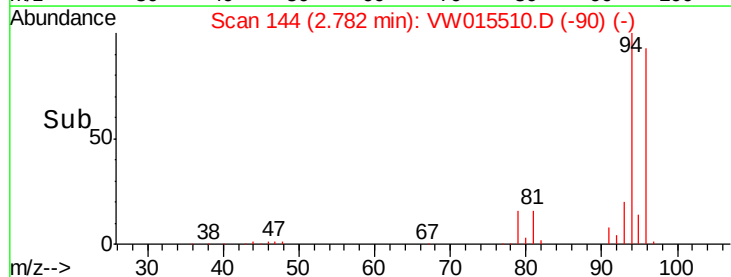
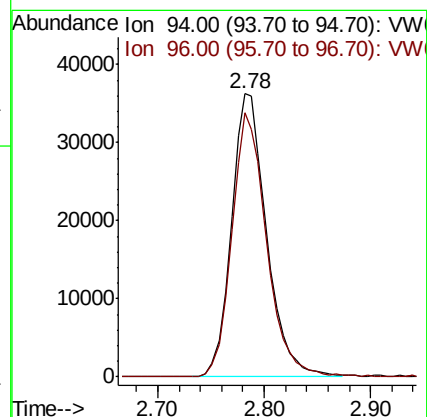
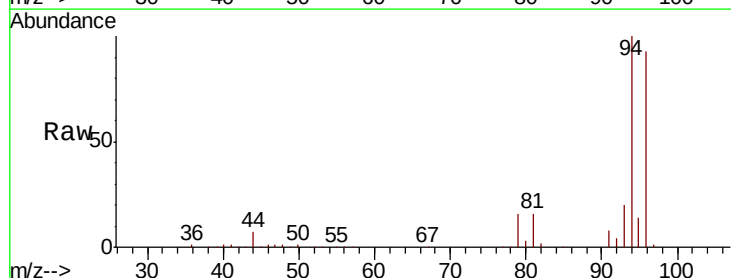
Acq: 27 May 2020 17:32

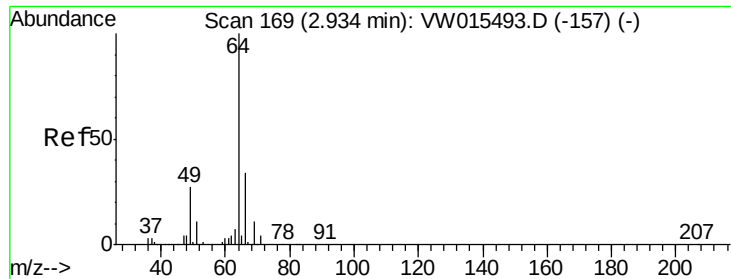
Tgt Ion: 94 Resp: 83595

Ion Ratio Lower Upper

94 100

96 92.2 9.3 177.5





#8

Chloroethane

Concen: 26.420 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

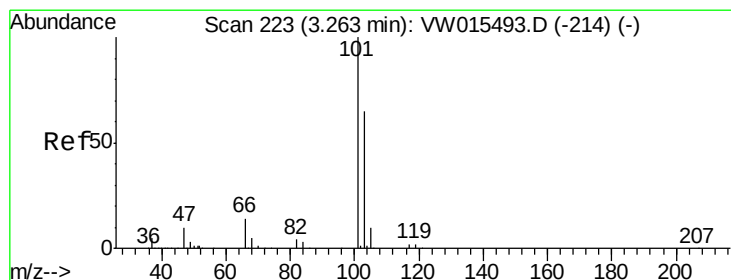
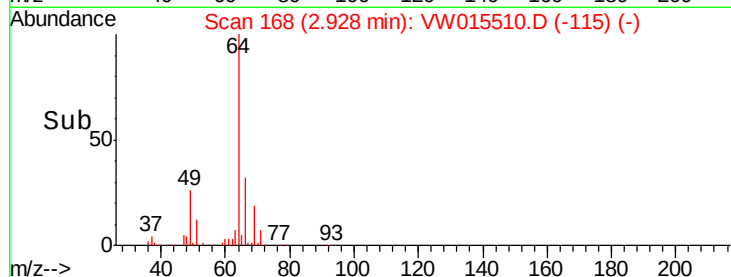
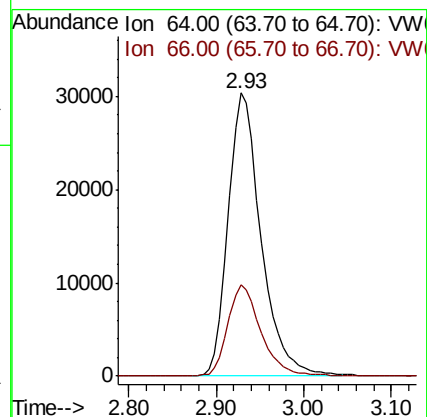
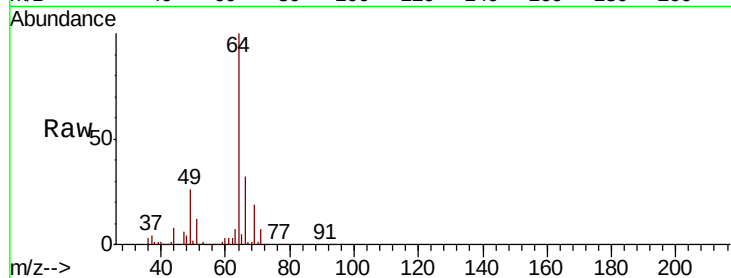
VSTD02516

Tot Ion: 64 Resp: 79641

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.955 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015510.D

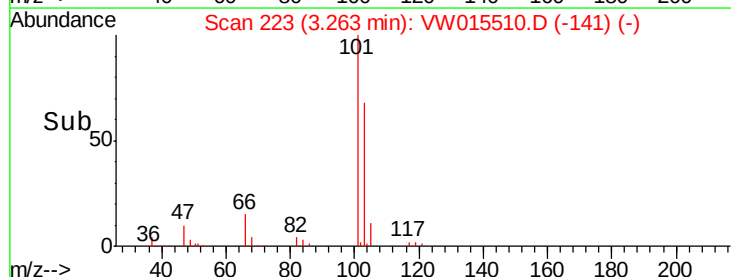
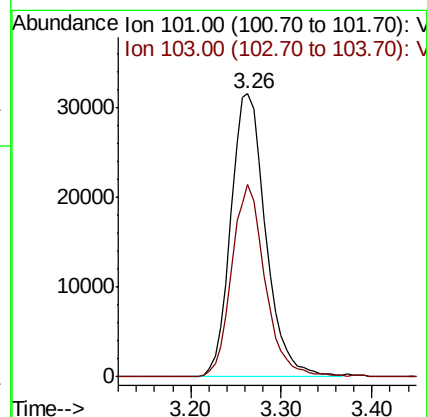
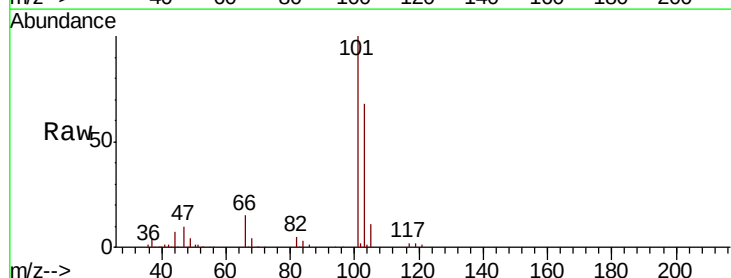
Acq: 27 May 2020 17:32

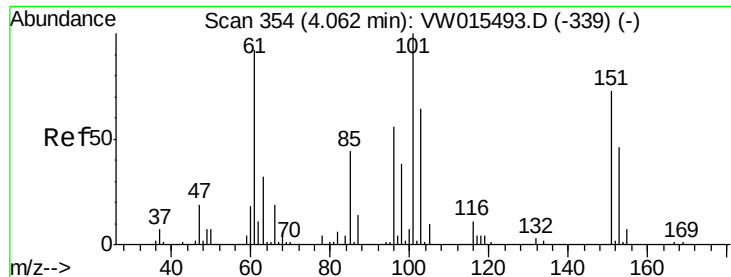
Tgt Ion: 101 Resp: 84421

Ion Ratio Lower Upper

101 100

103 65.0 46.6 86.6





#11

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

Concen: 25.356 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

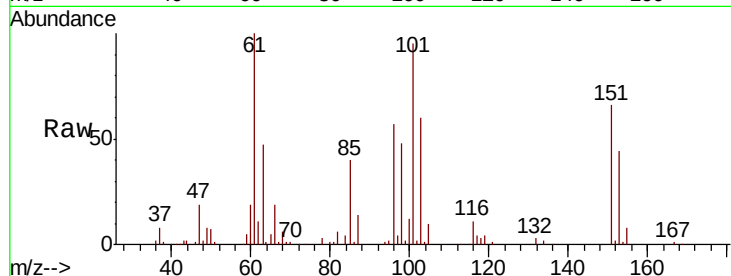
Tot Ion:101 Resp: 105982

Ion Ratio Lower Upper

101 100

85 44.8 35.1 52.7

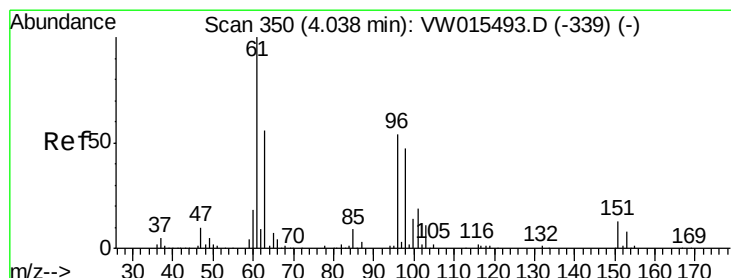
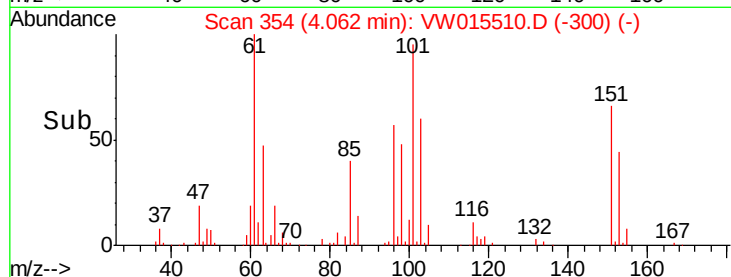
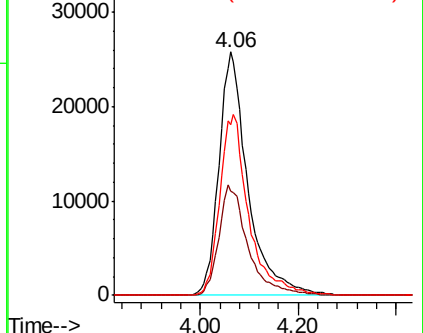
151 73.2 58.6 87.8



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: 24.899 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

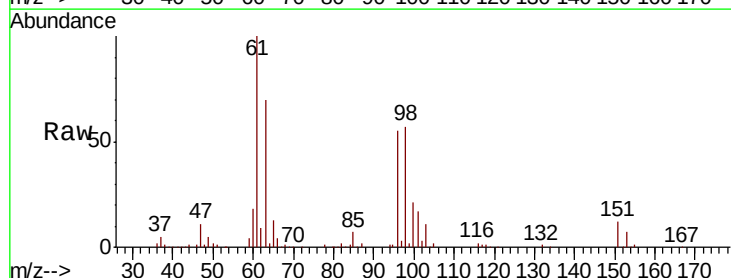
Tgt Ion: 96 Resp: 100529

Ion Ratio Lower Upper

96 100

61 181.2 127.7 237.1

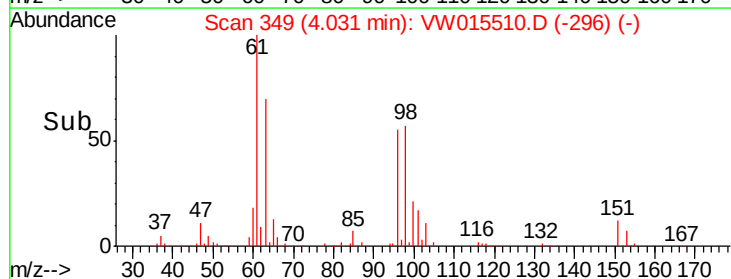
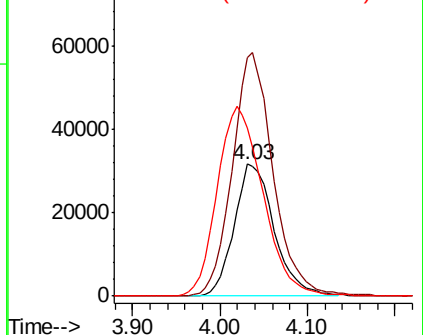
63 126.9 92.3 171.5

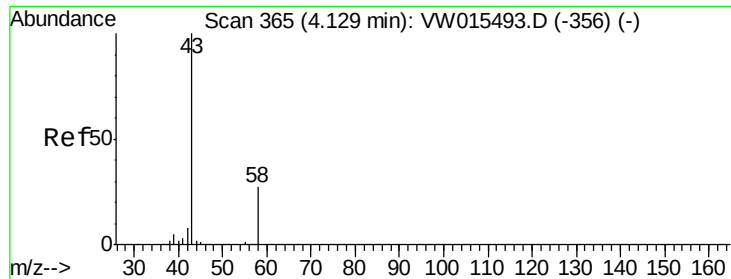


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.987 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

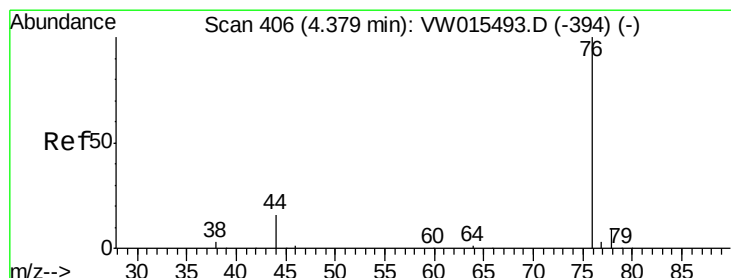
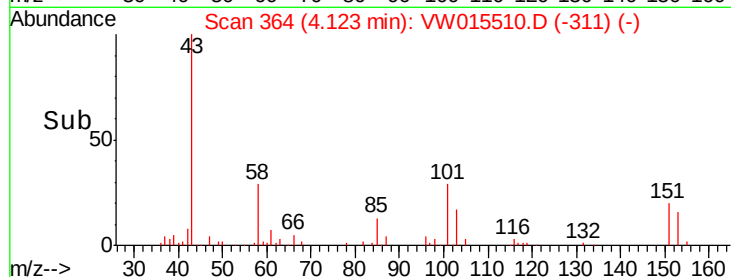
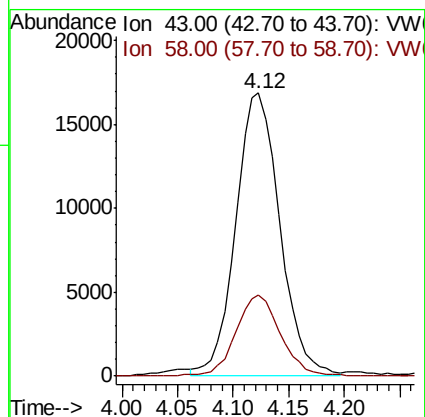
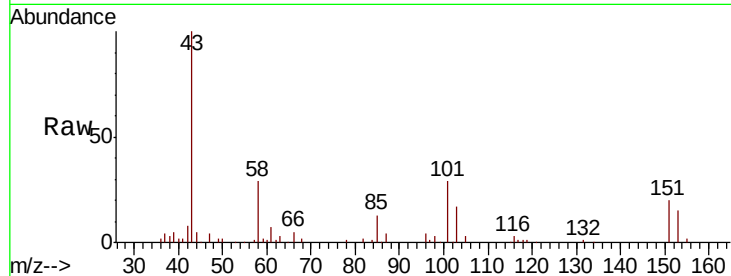
VSTD02516

Tot Ion: 43 Resp: 46197

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.8



#14

Carbon disulfide

Concen: 23.728 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015510.D

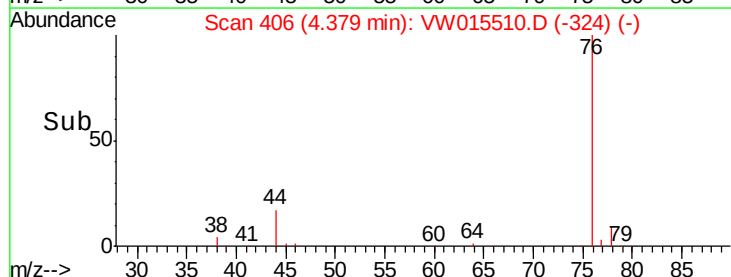
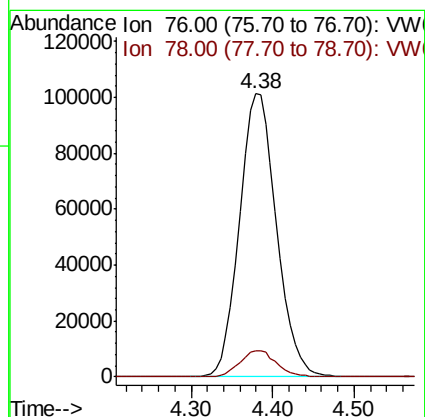
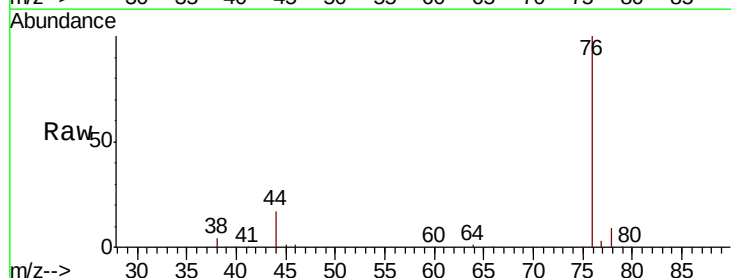
Acq: 27 May 2020 17:32

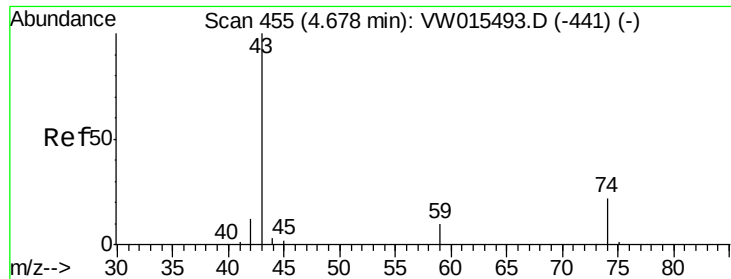
Tgt Ion: 76 Resp: 319594

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

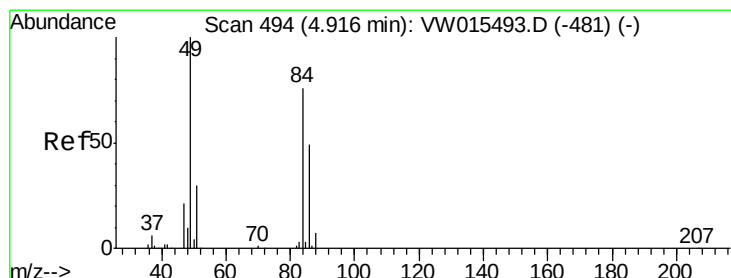
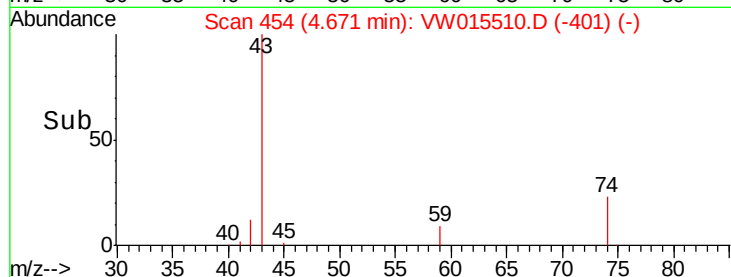
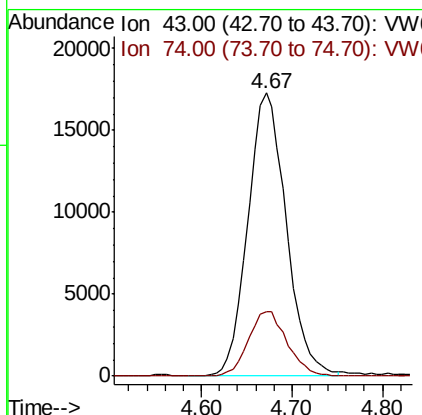
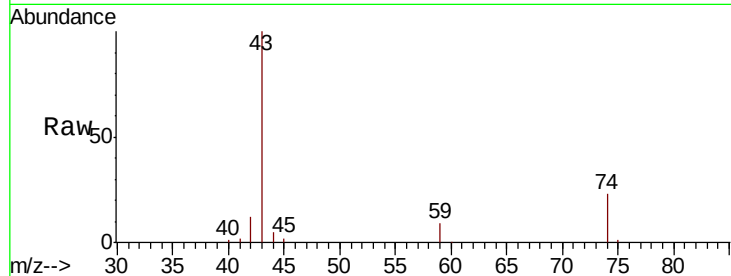




#15
Methvl Acetate
Concen: 29.943 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

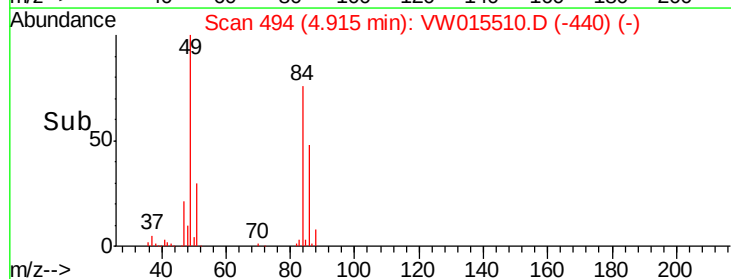
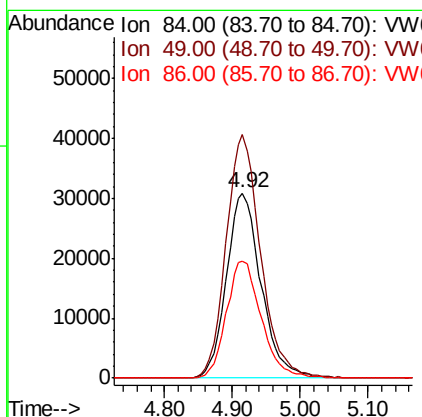
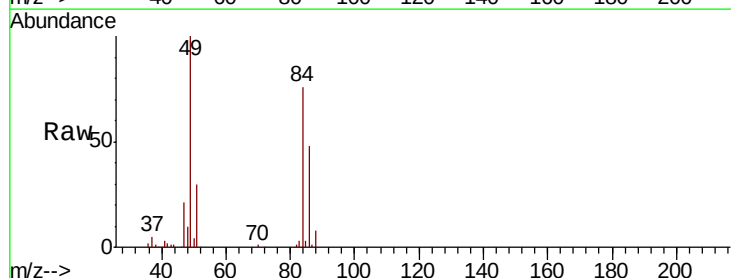
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

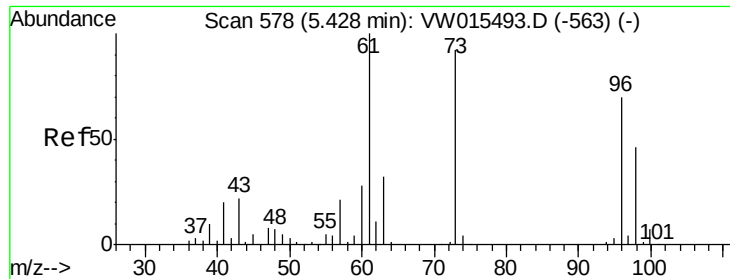
Tot Ion: 43 Resp: 50735
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.2



#16
Methylene chloride
Concen: 26.217 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 84 Resp: 108950
Ion Ratio Lower Upper
84 100
49 131.7 93.0 172.8
86 63.2 44.7 83.1

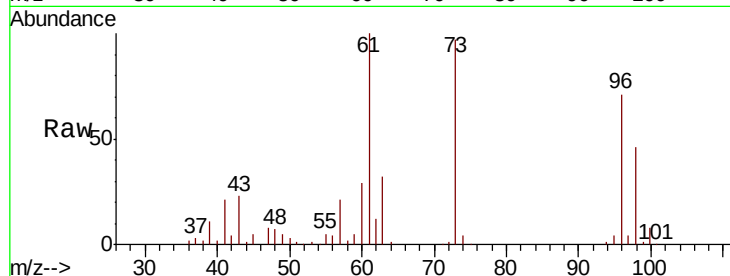




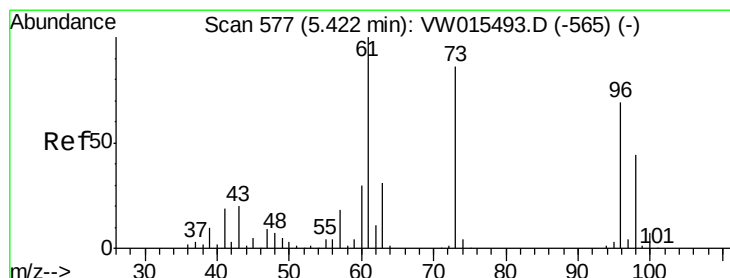
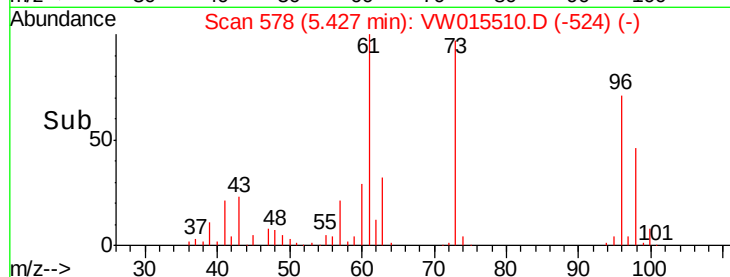
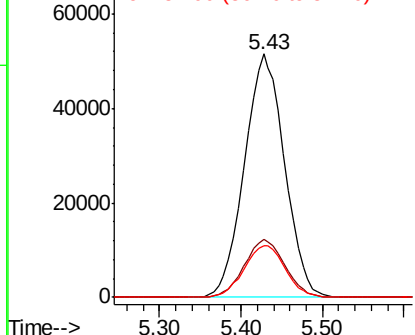
#17
Methyl tert-butyl Ether
Concen: 27.480 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Tot Ion: 73 Resp: 176069
Ion Ratio Lower Upper
73 100
43 23.9 19.6 29.4
57 21.8 17.7 26.5

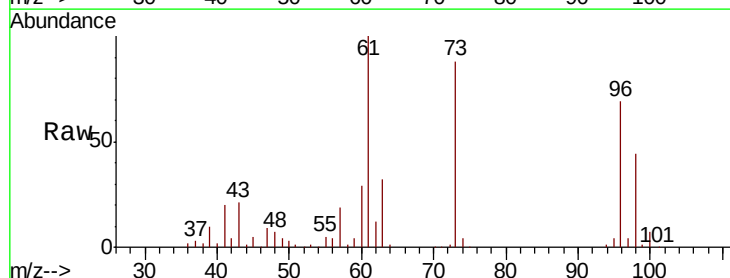


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

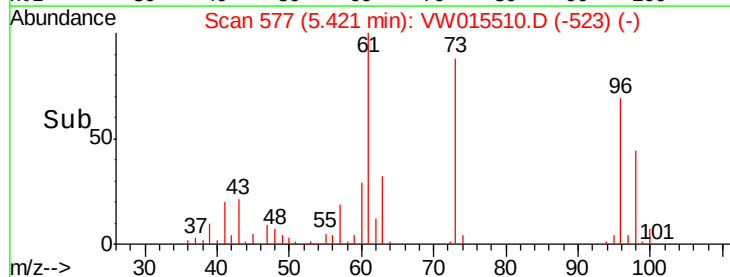
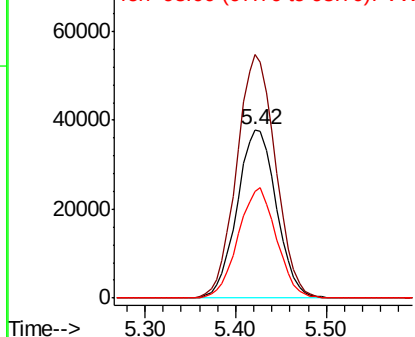


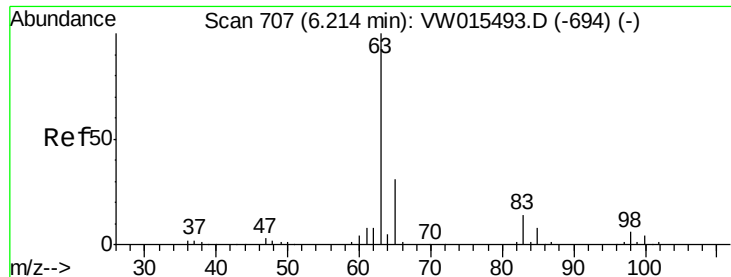
#18
trans-1,2-Dichloroethene
Concen: 26.289 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 96 Resp: 113750
Ion Ratio Lower Upper
96 100
61 144.4 101.9 189.3
98 63.3 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

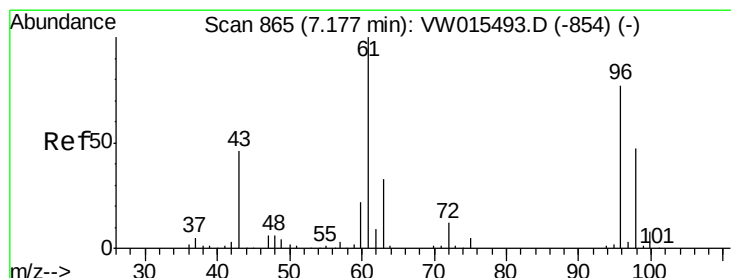
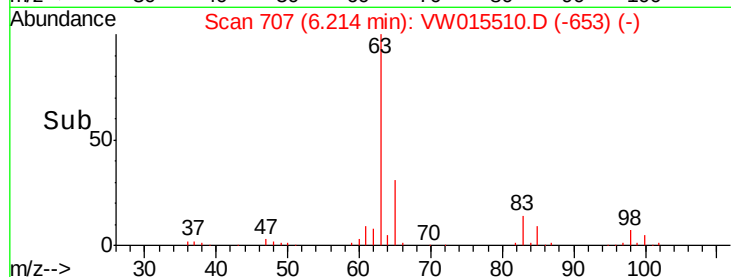
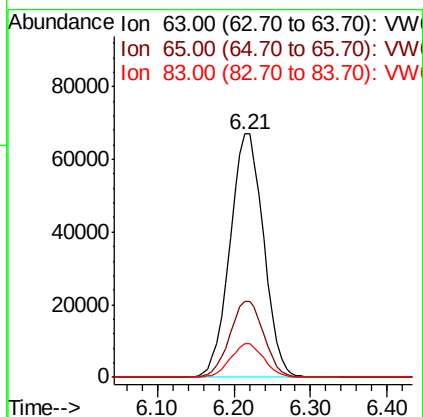
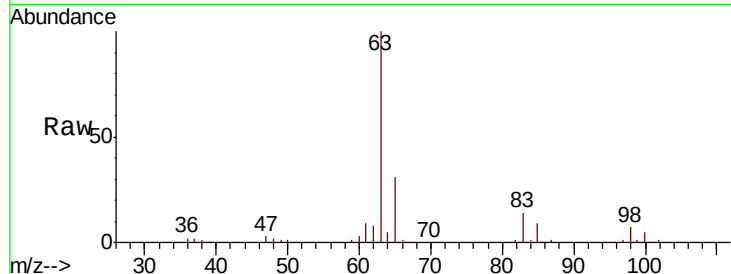




#19
 1,1-Dichloroethane
 Concen: 26.305 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

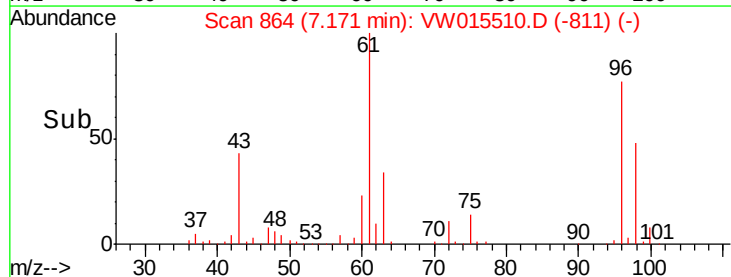
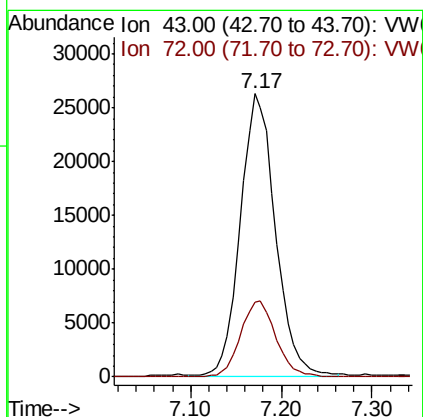
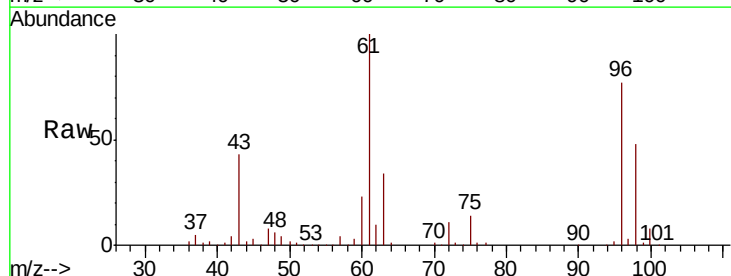
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

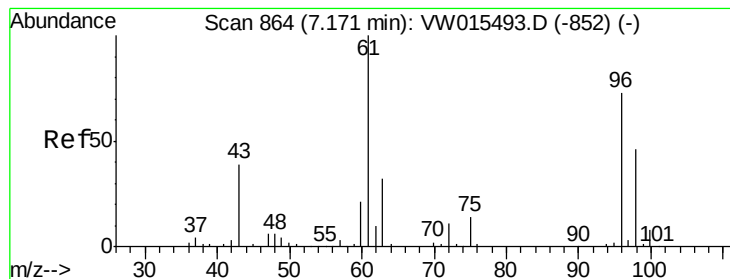
Tot Ion: 63 Resp: 204718
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.1 41.1
 83 13.8 9.7 17.9



#21
 2-Butanone
 Concen: 58.964 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion: 43 Resp: 70939
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.3 39.9



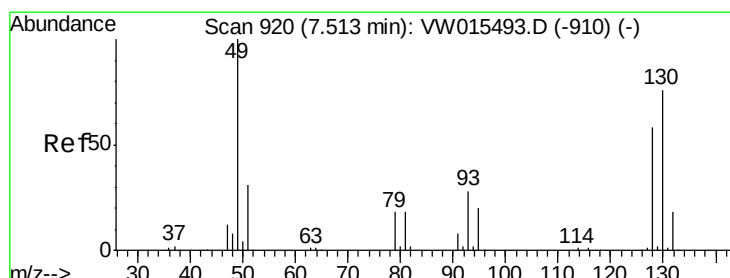
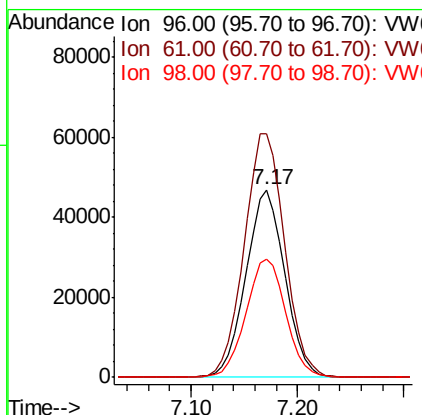
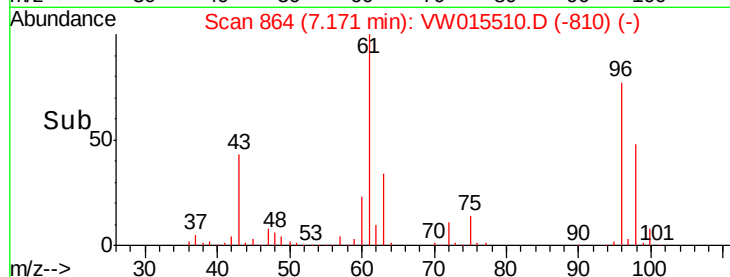
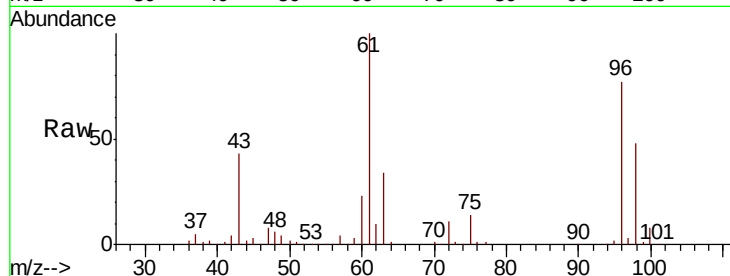


#22

cis-1,2-Dichloroethene
 Concen: 26.624 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

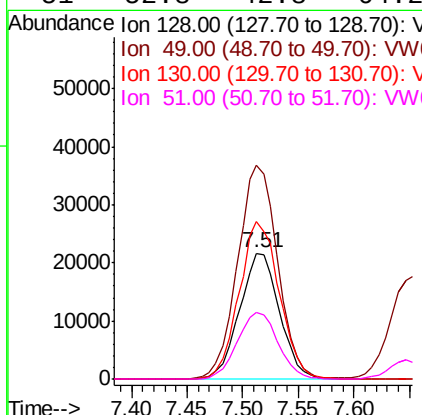
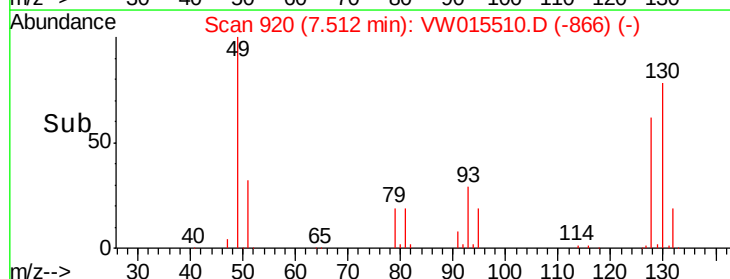
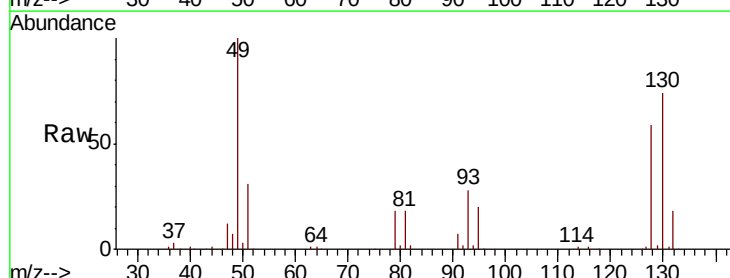
Tot Ion: 96 Resp: 120173
 Ion Ratio Lower Upper
 96 100
 61 129.8 93.7 173.9
 98 62.8 45.1 83.9

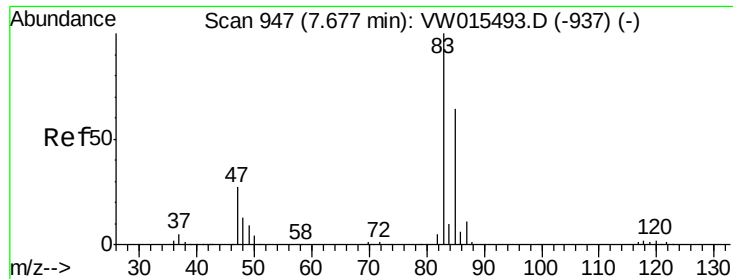


#23

Bromochloromethane
 Concen: 27.534 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion: 128 Resp: 53593
 Ion Ratio Lower Upper
 128 100
 49 169.6 118.1 219.3
 130 124.9 88.5 164.3
 51 52.8 42.8 64.2

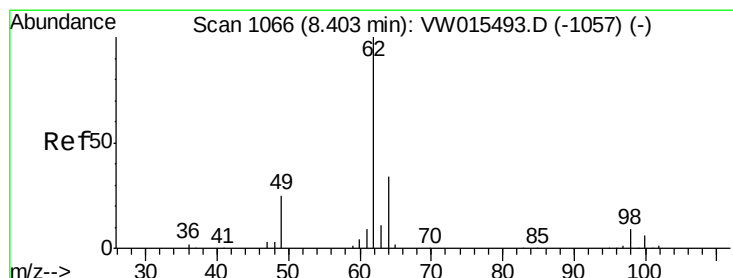
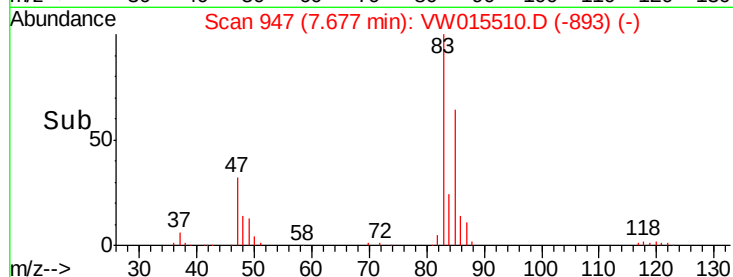
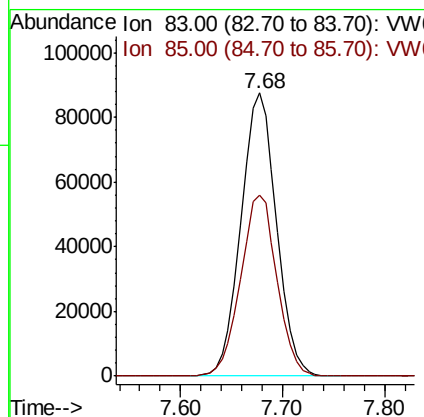
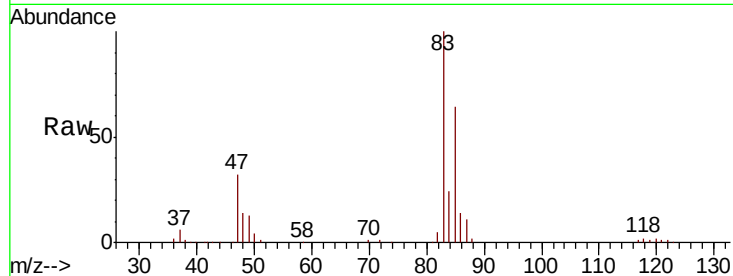




#25
Chloroform
Concen: 26.923 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

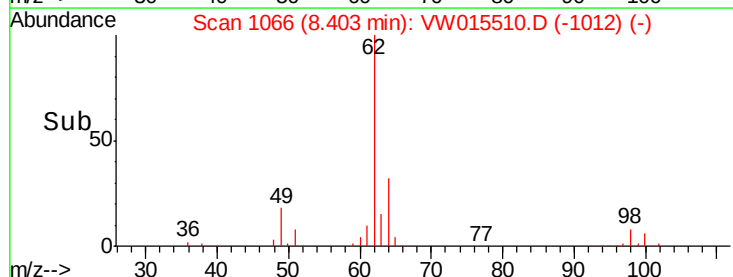
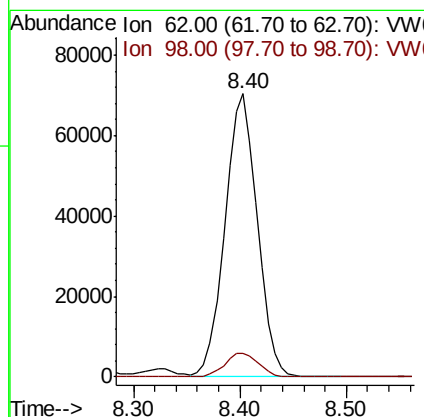
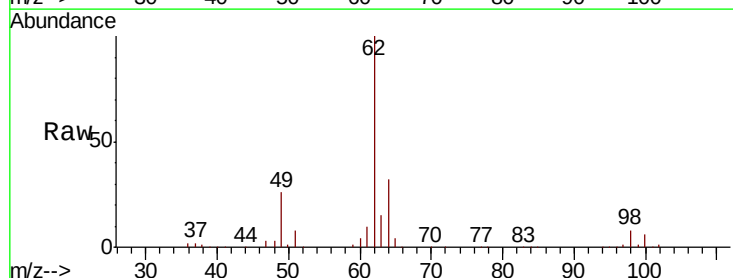
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

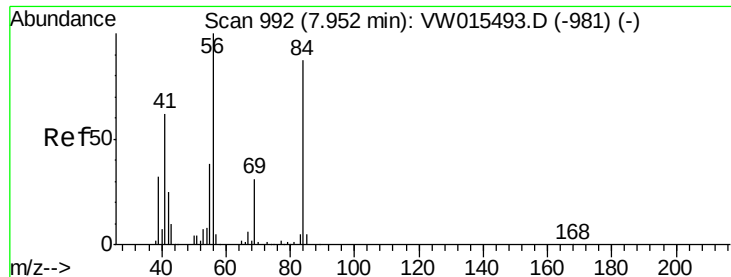
Tot Ion: 83 Resp: 210978
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 28.122 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 62 Resp: 149088
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.4

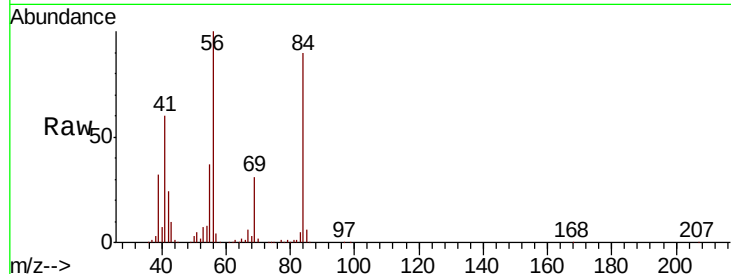




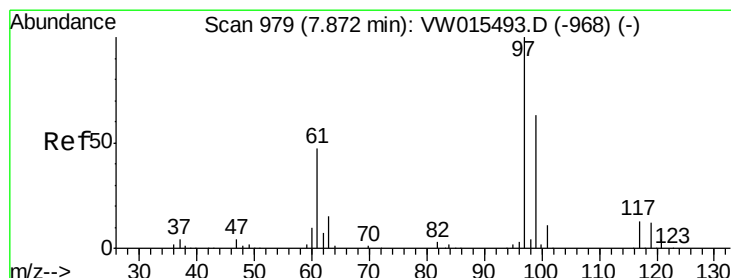
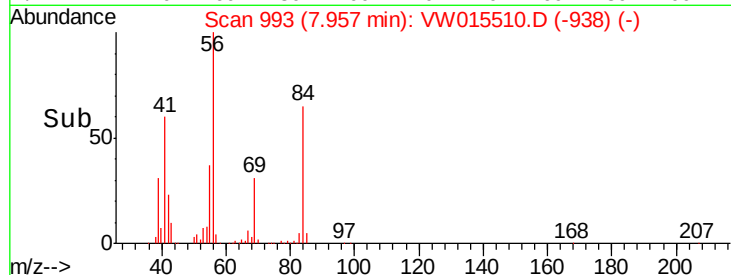
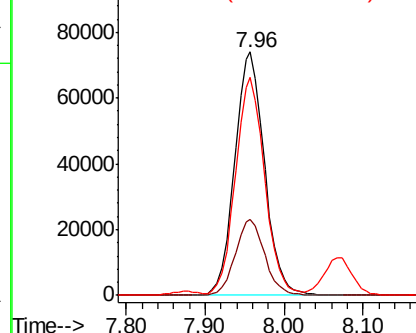
#30
Cyclohexane
Concen: 25.095 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Instrument :
MSVOA_W
ClientSampleID :
VSTD02516

Tot Ion: 56 Resp: 193599
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 88.4 69.6 104.4

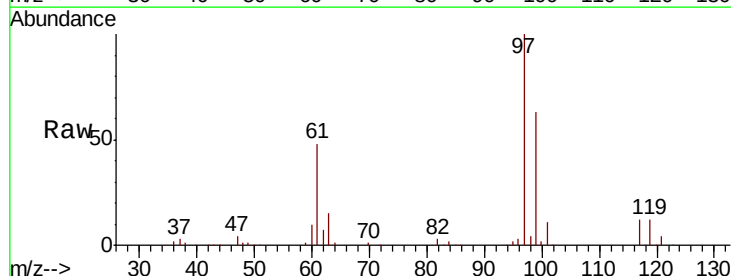


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

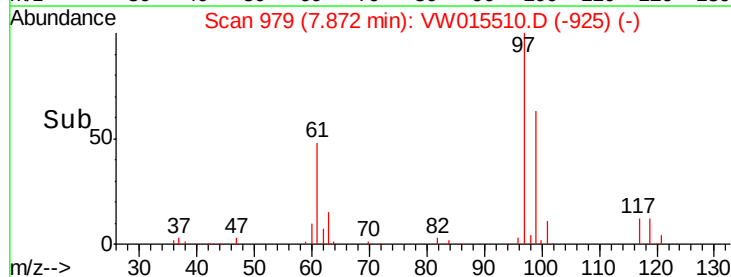
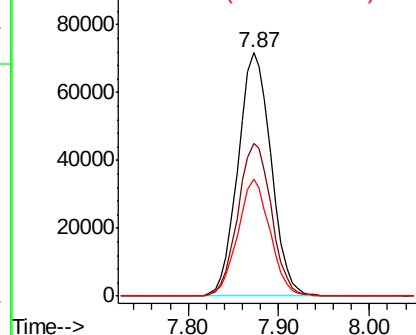


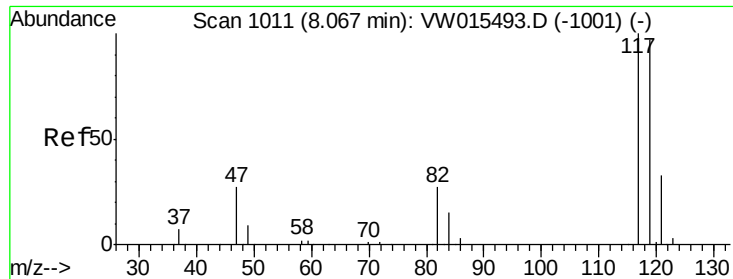
#31
1,1,1-Trichloroethane
Concen: 25.982 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 97 Resp: 181412
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 46.9 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

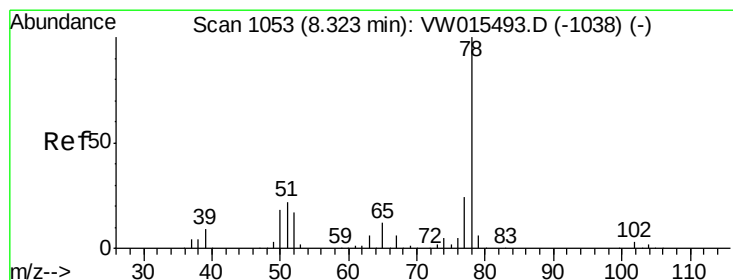
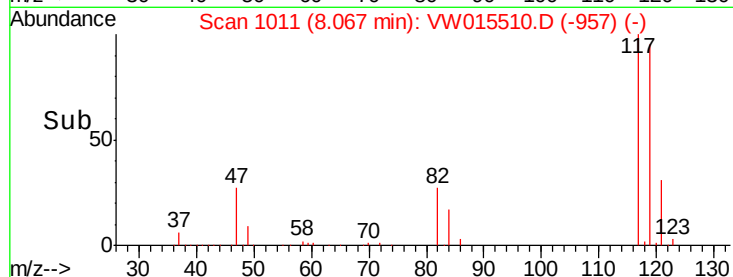
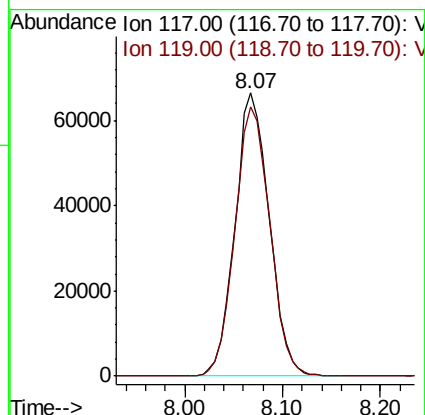
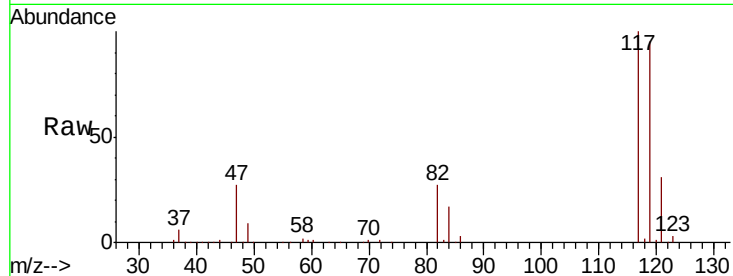




#32
Carbon tetrachloride
Concen: 25.198 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

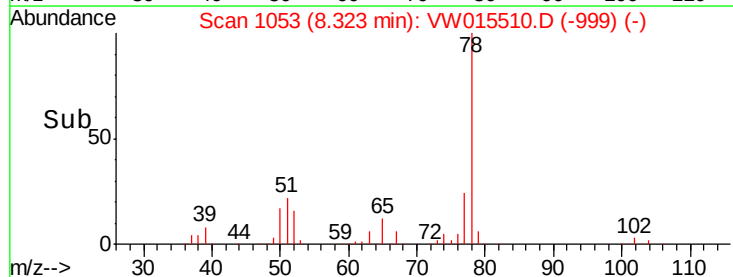
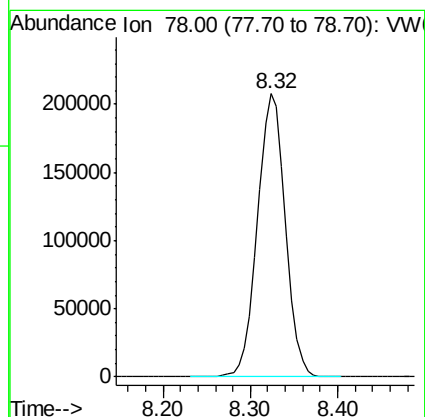
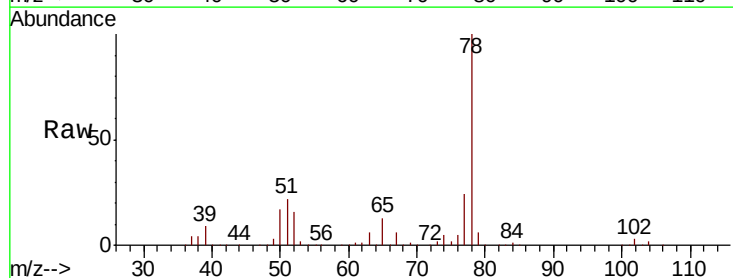
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

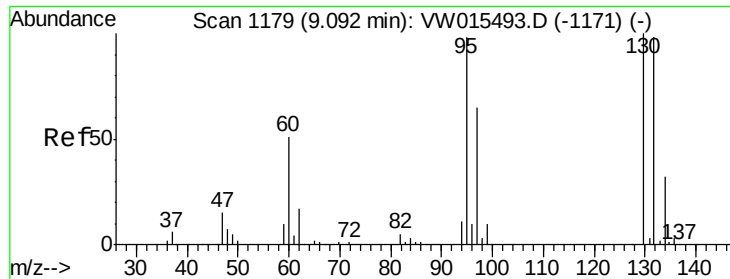
Tot Ion:117 Resp: 161368
Ion Ratio Lower Upper
117 100
119 97.1 76.4 114.6



#34
Benzene
Concen: 26.410 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 78 Resp: 460944





#35

Trichloroethene

Concen: 26.105 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 95 Resp: 122388

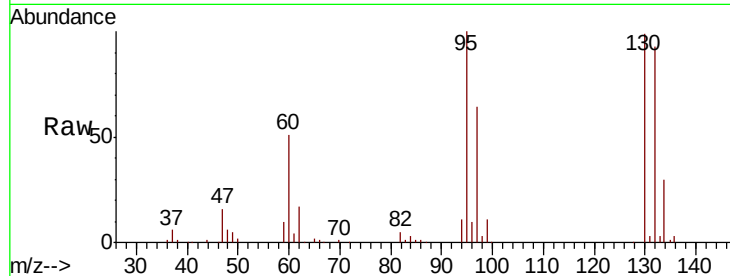
Ion Ratio Lower Upper

95 100

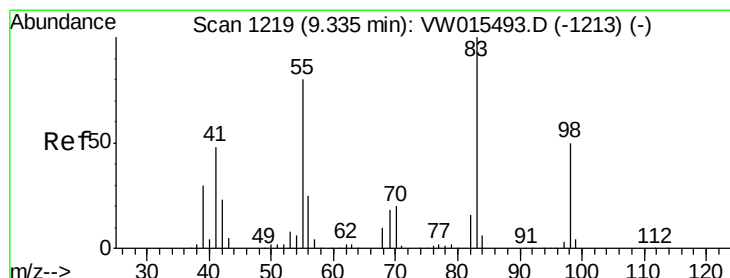
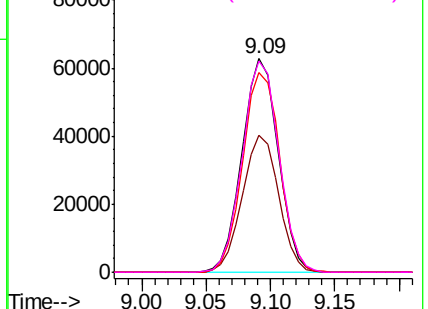
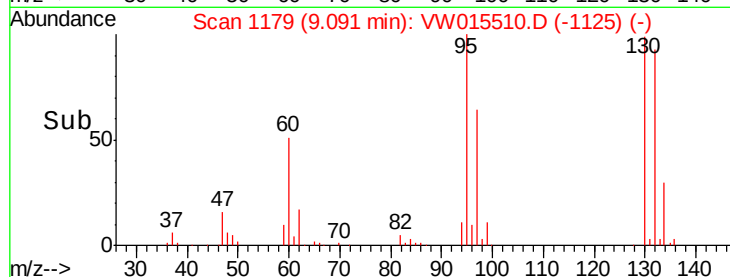
97 64.6 45.4 84.2

132 95.8 67.1 124.7

130 100.1 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: 25.792 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

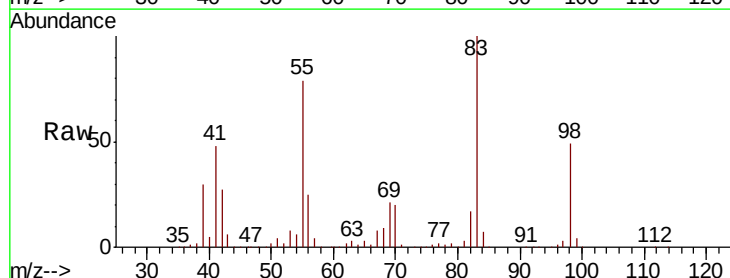
Tgt Ion: 83 Resp: 215658

Ion Ratio Lower Upper

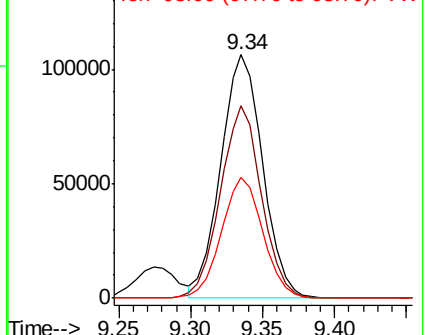
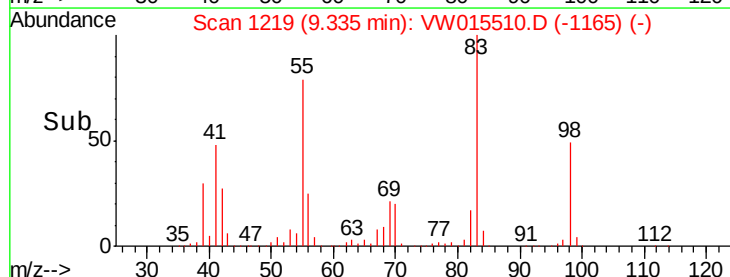
83 100

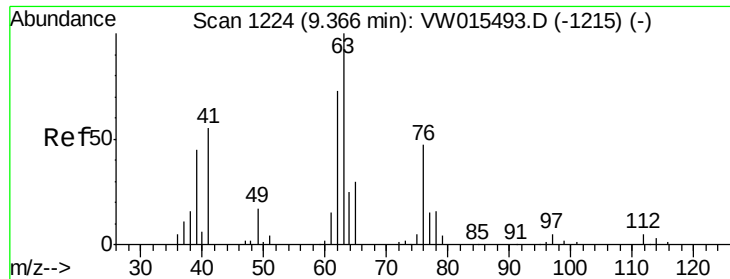
55 77.6 62.8 94.2

98 49.3 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: 26.674 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

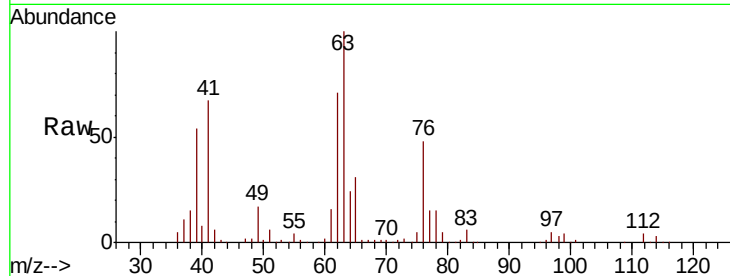
VSTD02516

Tot Ion: 63 Resp: 114645

Ion Ratio Lower Upper

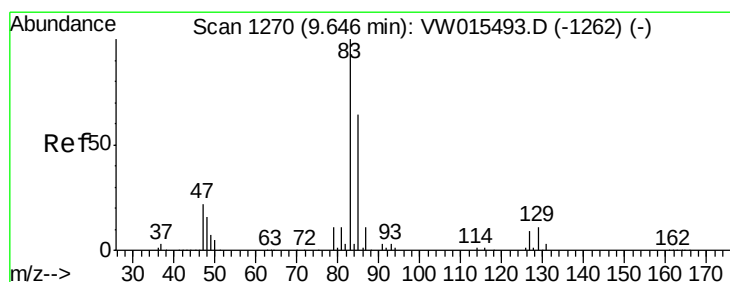
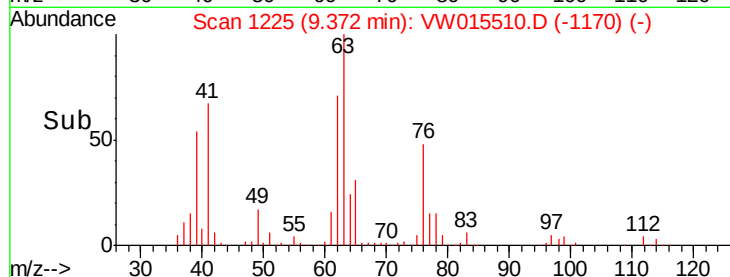
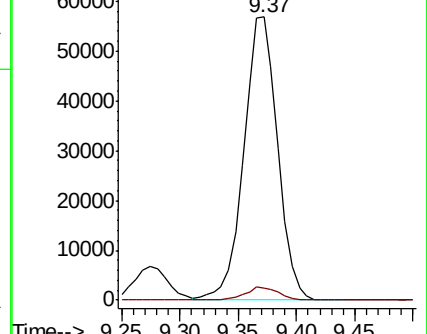
63 100

112 4.5 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: 26.274 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

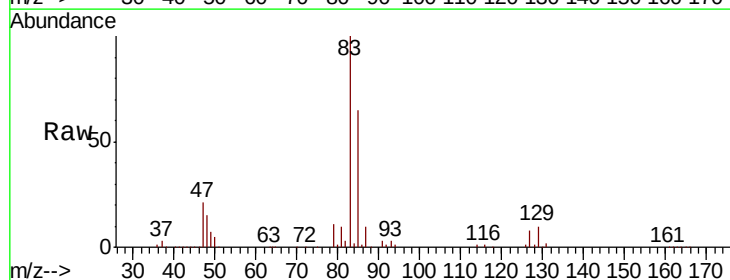
Tgt Ion: 83 Resp: 150867

Ion Ratio Lower Upper

83 100

85 65.2 44.8 83.2

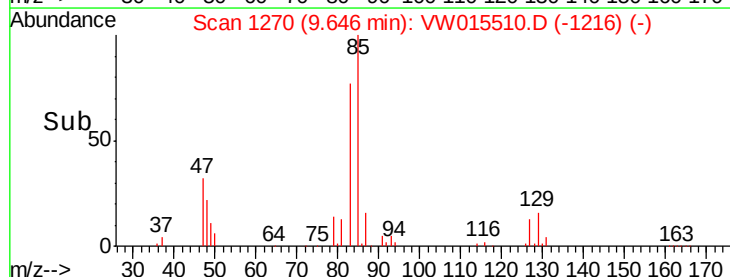
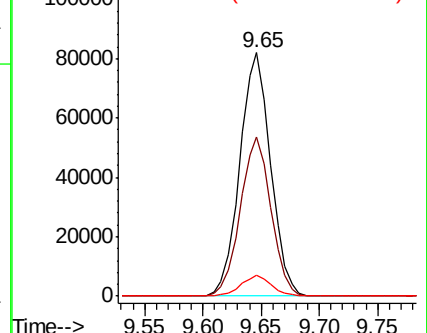
127 8.4 7.0 10.6

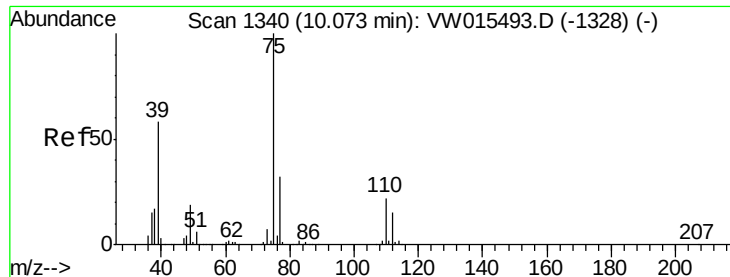


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.617 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

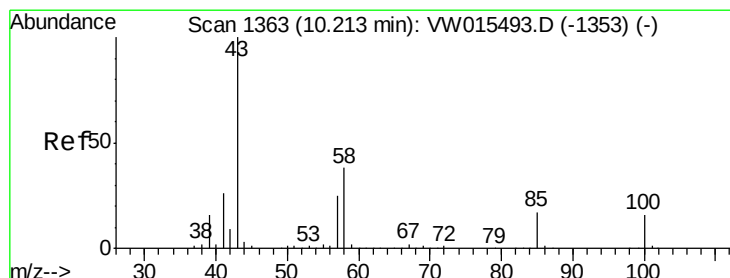
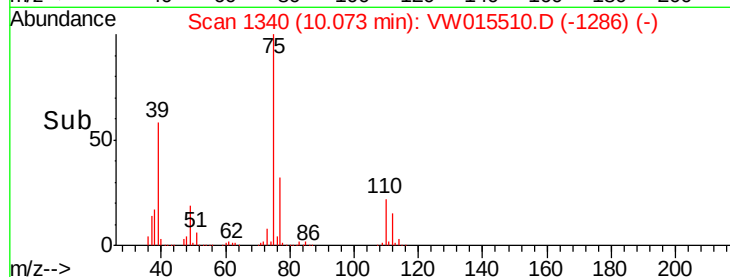
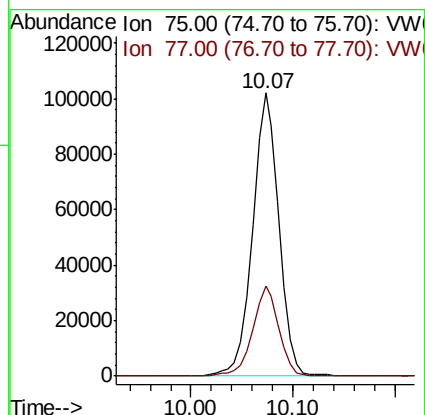
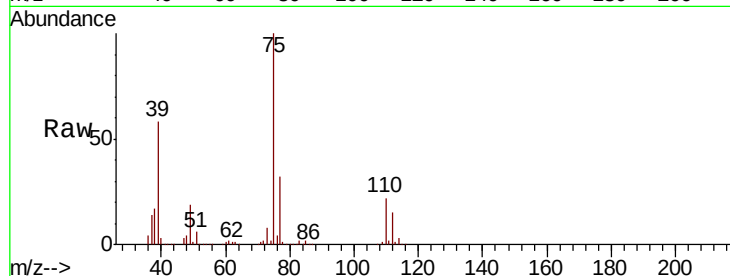
VSTD02516

Tot Ion: 75 Resp: 183069

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 60.973 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

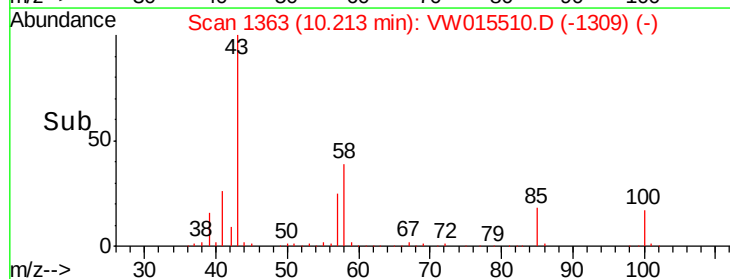
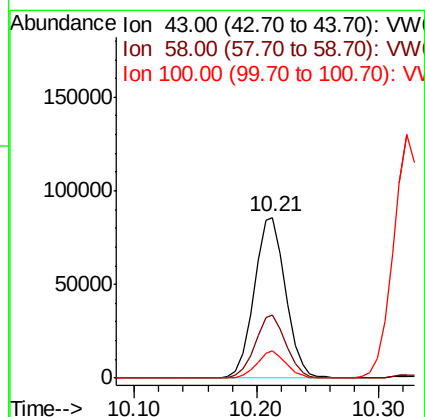
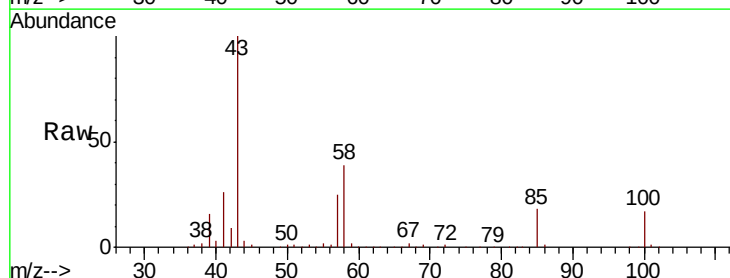
Tgt Ion: 43 Resp: 153620

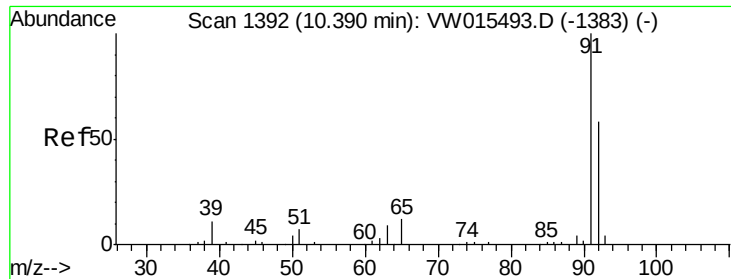
Ion Ratio Lower Upper

43 100

58 38.5 30.6 46.0

100 15.7 12.5 18.7





#44

Toluene

Concen: 26.721 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

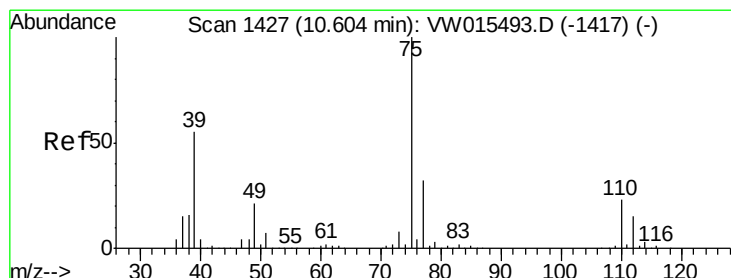
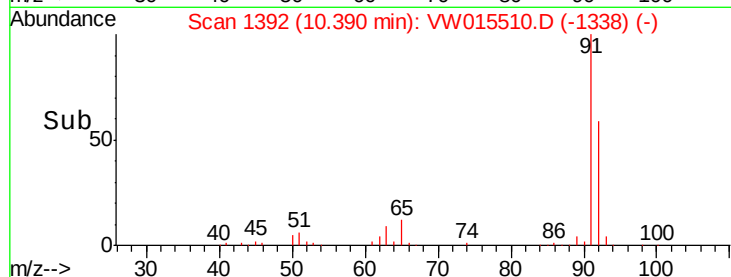
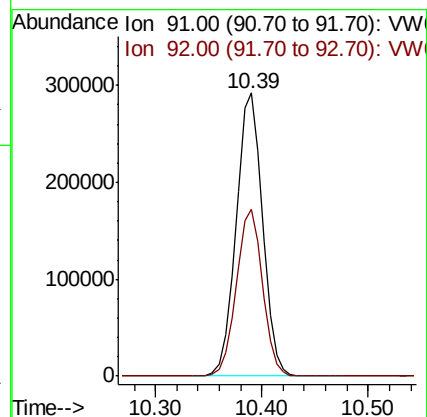
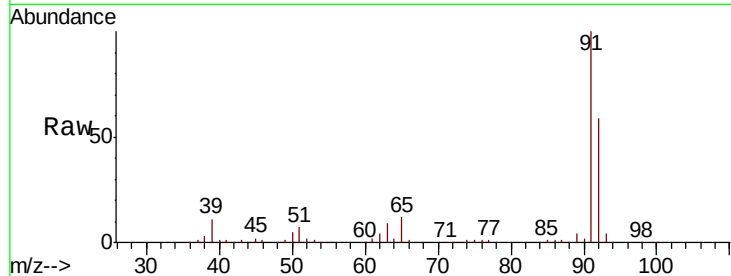
VSTD02516

Tot Ion: 91 Resp: 508104

Ion Ratio Lower Upper

91 100

92 59.0 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 27.177 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015510.D

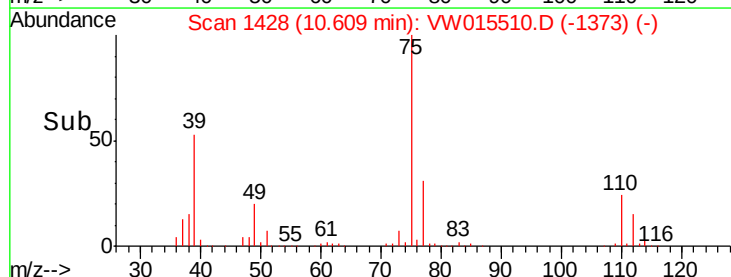
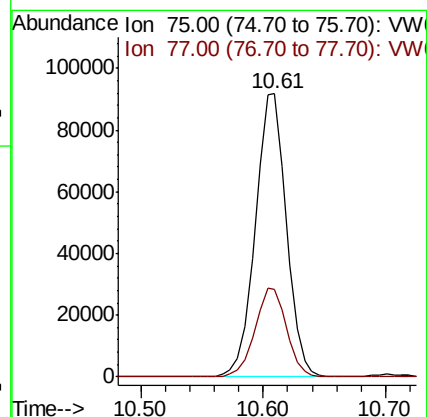
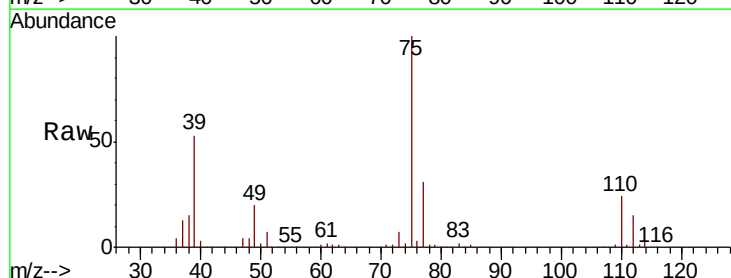
Acq: 27 May 2020 17:32

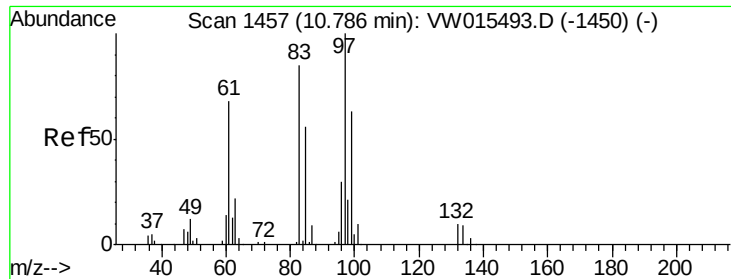
Tgt Ion: 75 Resp: 162668

Ion Ratio Lower Upper

75 100

77 30.8 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 28.998 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 97 Resp: 87196

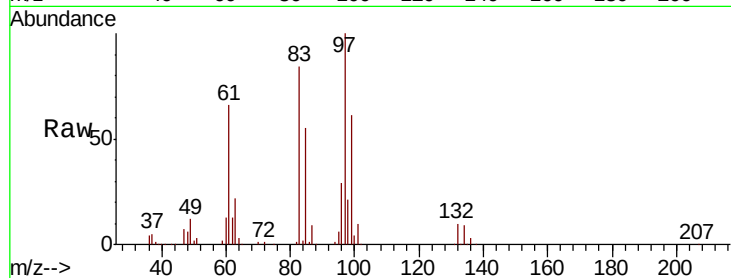
Ion Ratio Lower Upper

97 100

83 84.0 58.2 108.2

85 55.2 37.4 69.4

99 61.3 43.7 81.1



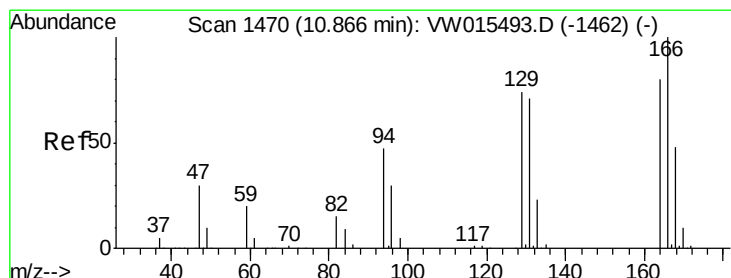
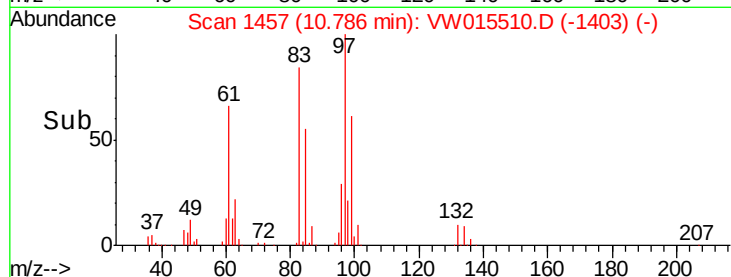
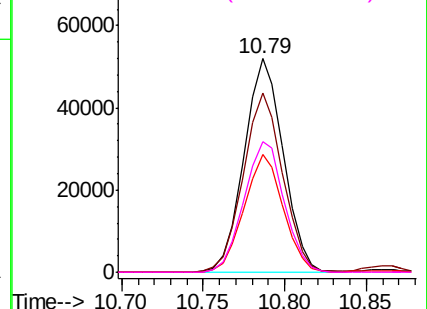
Abundance

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: 25.921 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Tgt Ion: 164 Resp: 96332

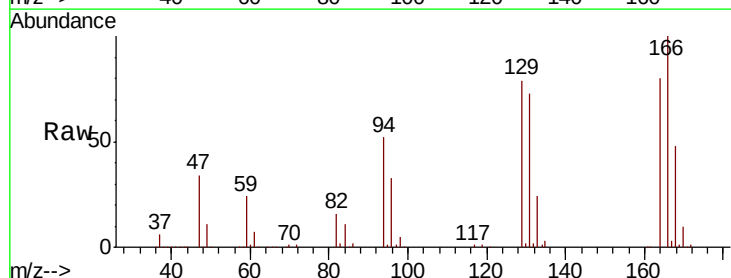
Ion Ratio Lower Upper

164 100

129 99.0 66.3 123.1

131 91.1 65.1 120.9

166 125.3 90.8 168.6



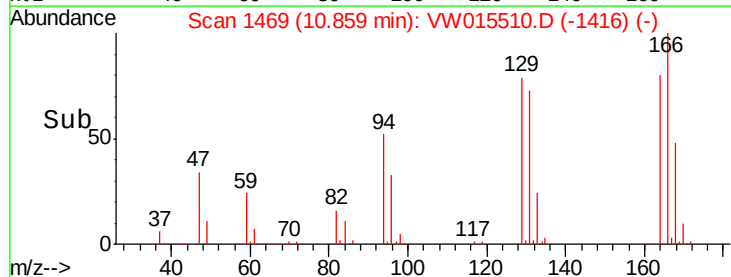
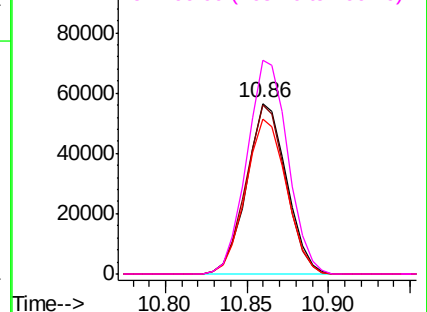
Abundance

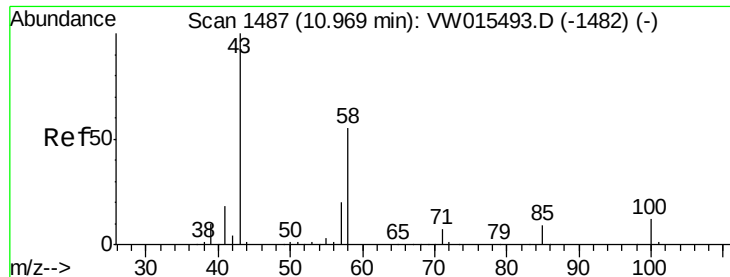
Ion 164.00 (163.70 to 164.70): V

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: 63.809 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 43 Resp: 108515

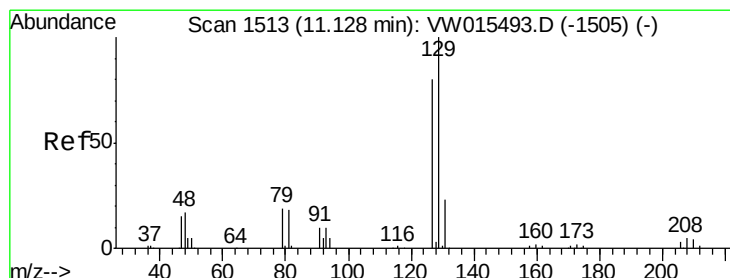
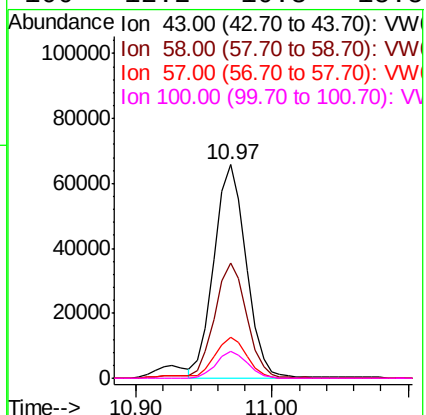
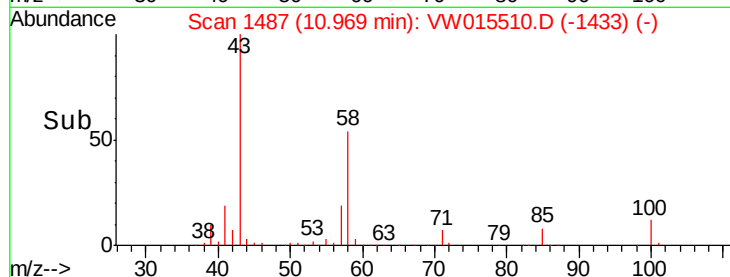
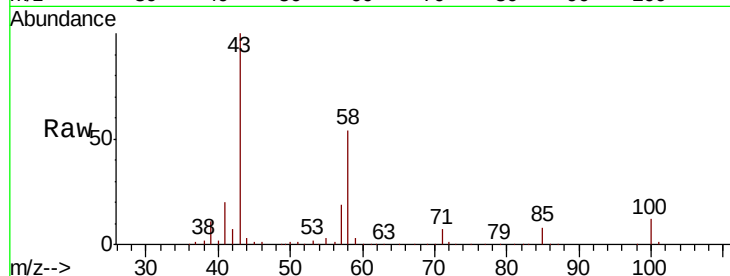
Ion Ratio Lower Upper

43 100

58 53.8 42.6 64.0

57 19.0 15.5 23.3

100 12.2 10.3 15.5



#50

Dibromochloromethane

Concen: 27.927 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015510.D

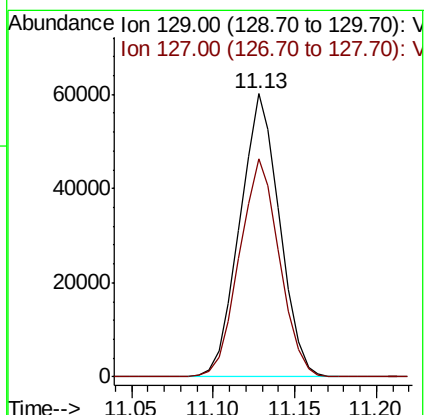
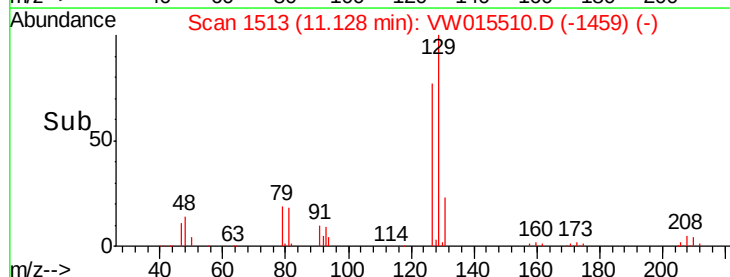
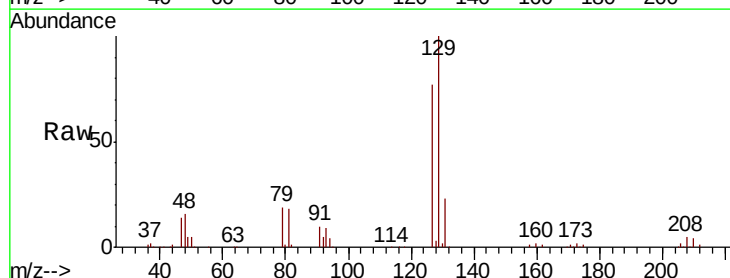
Acq: 27 May 2020 17:32

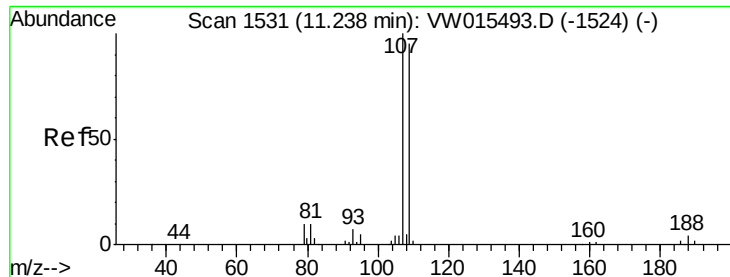
Tgt Ion: 129 Resp: 102027

Ion Ratio Lower Upper

129 100

127 76.8 53.0 98.4

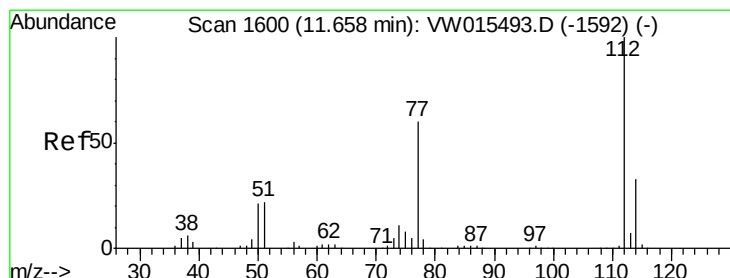
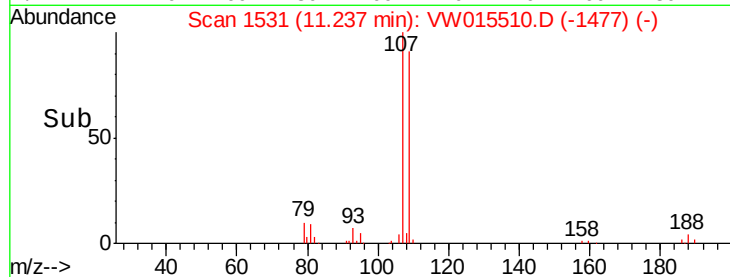
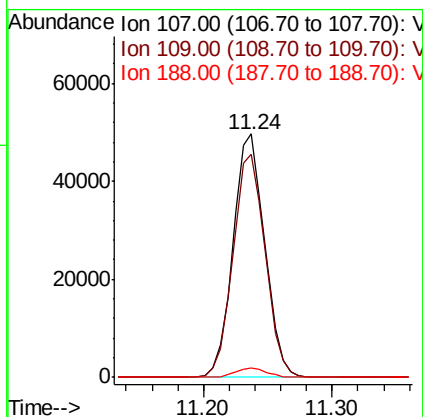
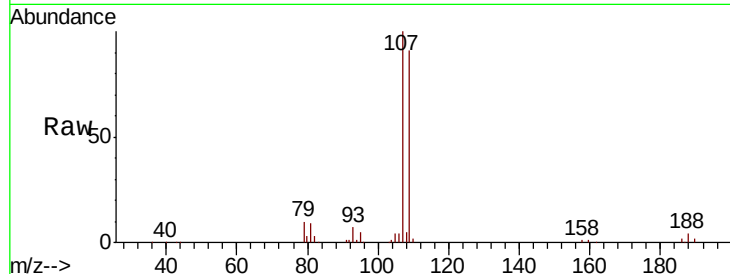




#51
1,2-Dibromoethane
Concen: 29.316 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

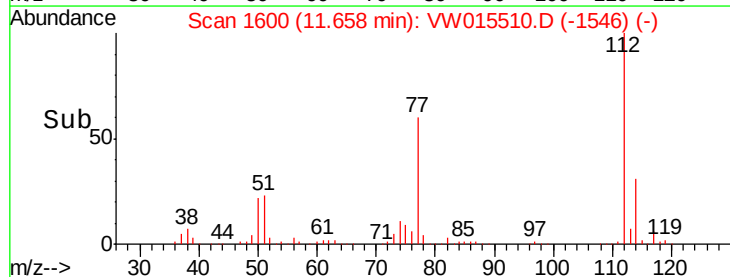
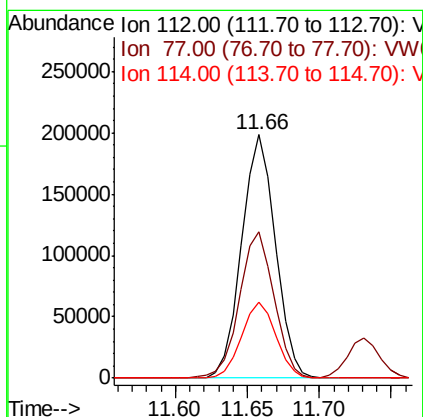
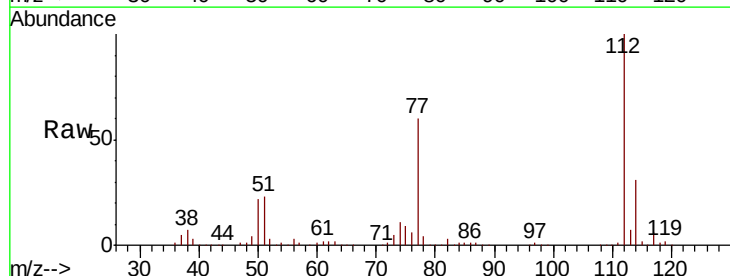
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

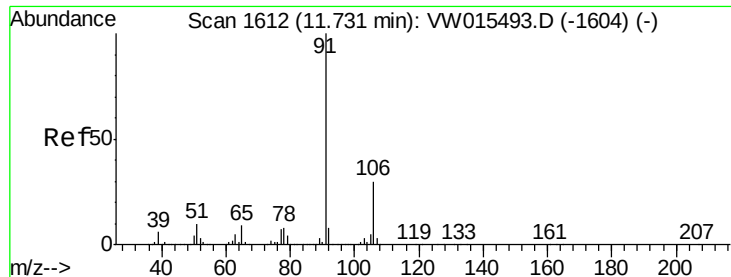
Tot Ion:107 Resp: 84630
Ion Ratio Lower Upper
107 100
109 91.4 64.6 120.0
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 27.024 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion:112 Resp: 322322
Ion Ratio Lower Upper
112 100
77 60.1 49.7 74.5
114 31.4 21.8 40.6

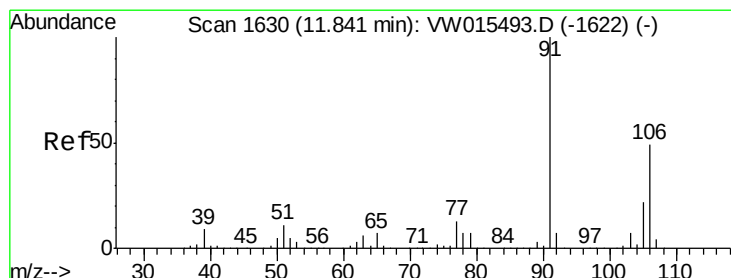
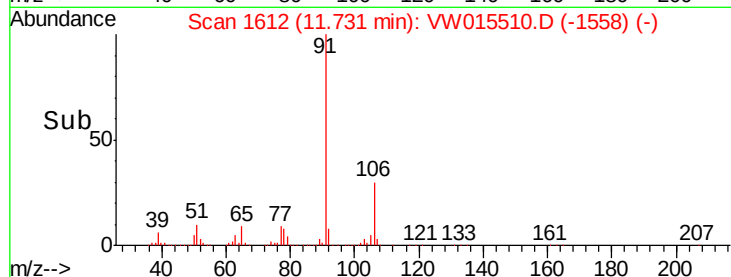
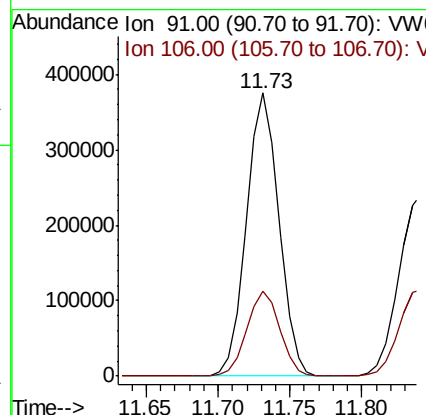
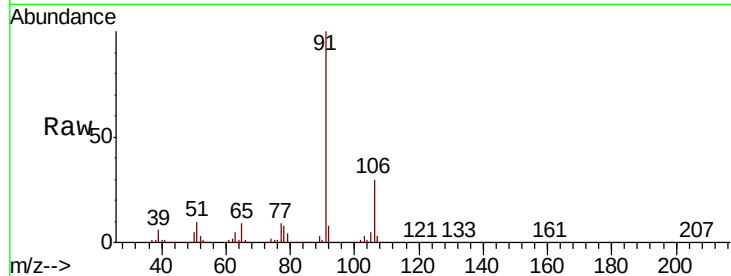




#53
Ethylbenzene
Concen: 26.810 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

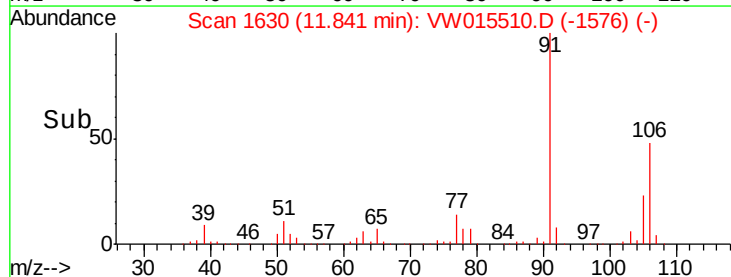
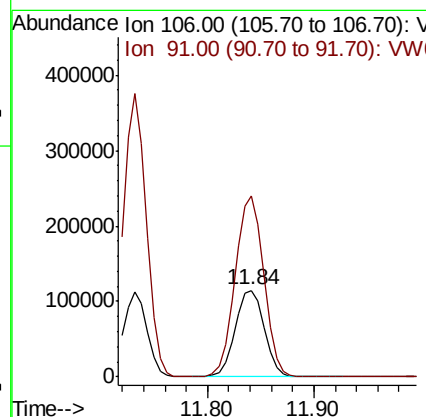
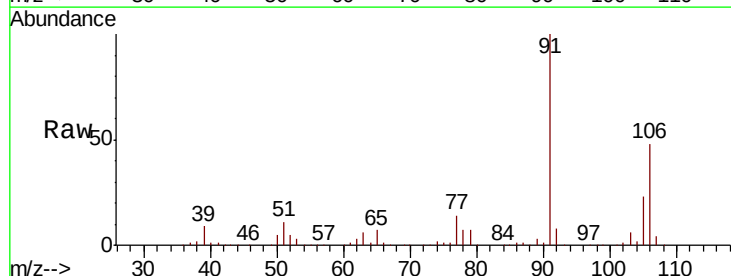
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

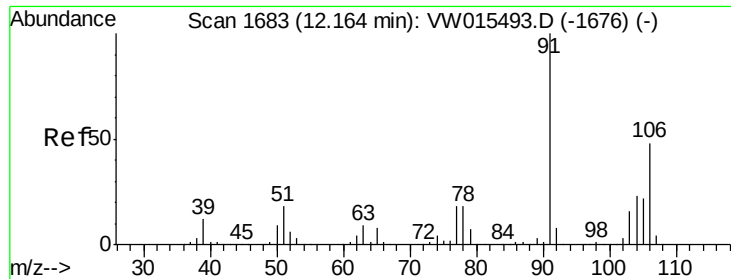
Tot Ion: 91 Resp: 585374
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.6



#54
m,p-Xylene
Concen: 26.791 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015510.D
Acq: 27 May 2020 17:32

Tgt Ion: 106 Resp: 219506
Ion Ratio Lower Upper
106 100
91 209.5 142.6 264.8





#55

o-xylene

Concen: 26.979 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

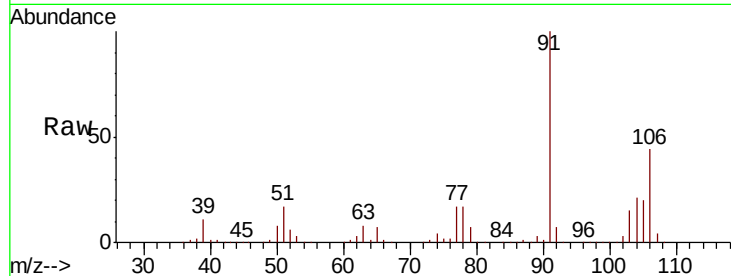
VSTD02516

Tot Ion:106 Resp: 209821

Ion Ratio Lower Upper

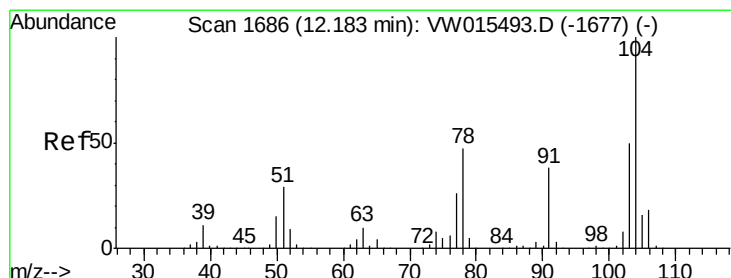
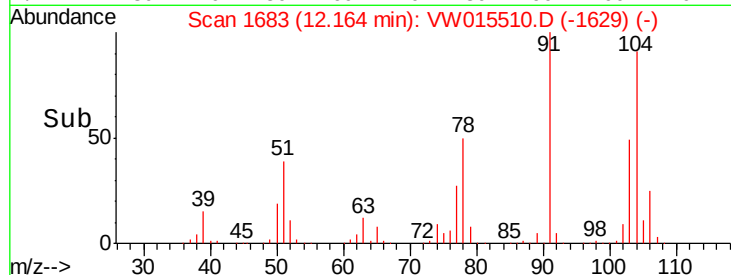
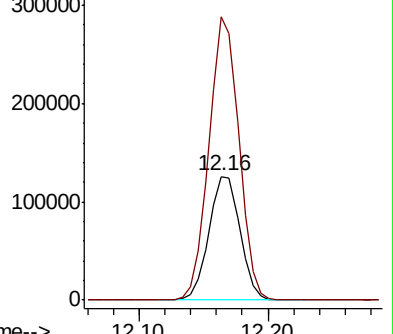
106 100

91 228.4 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.808 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW015510.D

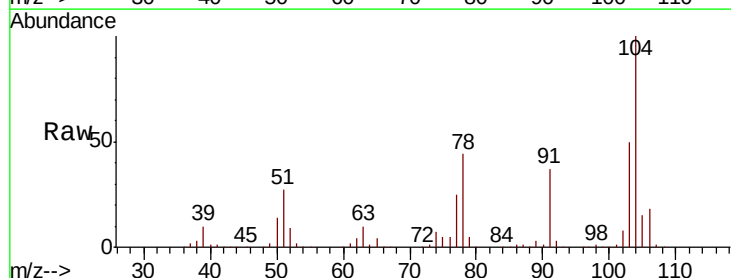
Acq: 27 May 2020 17:32

Tgt Ion:104 Resp: 369529

Ion Ratio Lower Upper

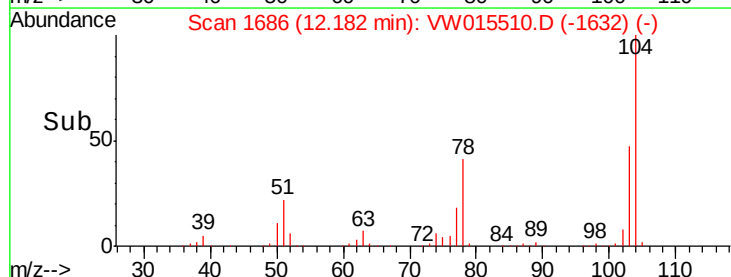
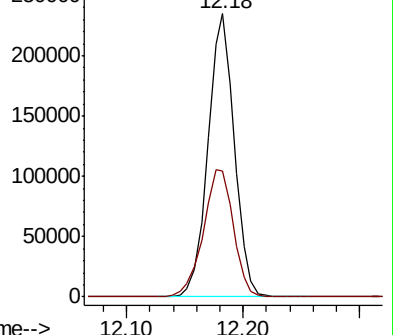
104 100

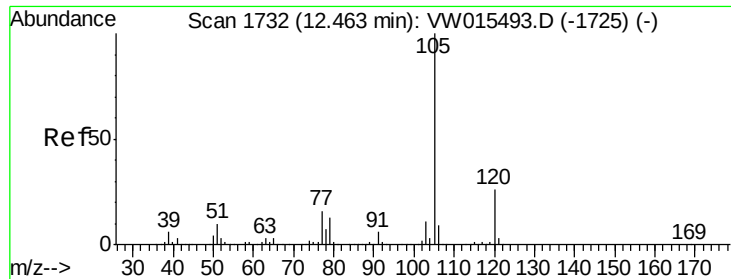
78 44.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.948 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

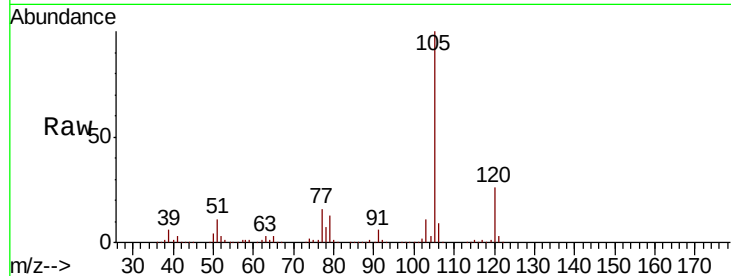
Tot Ion:105 Resp: 583800

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

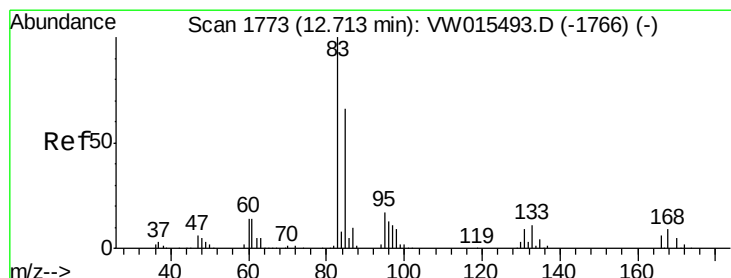
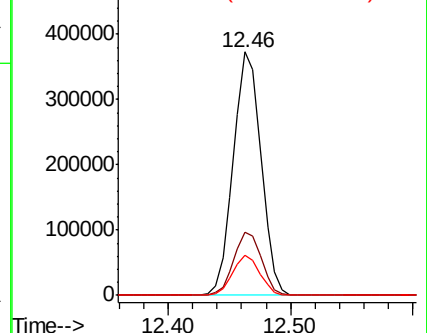
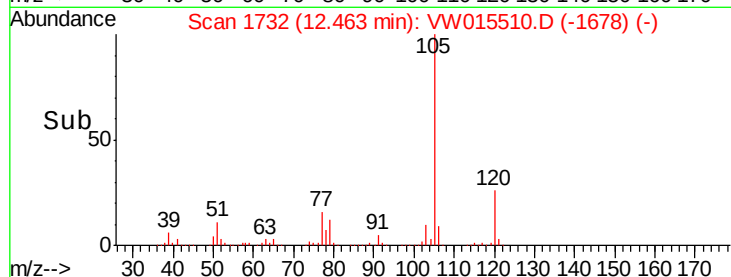
77 16.2 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): 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: 30.807 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

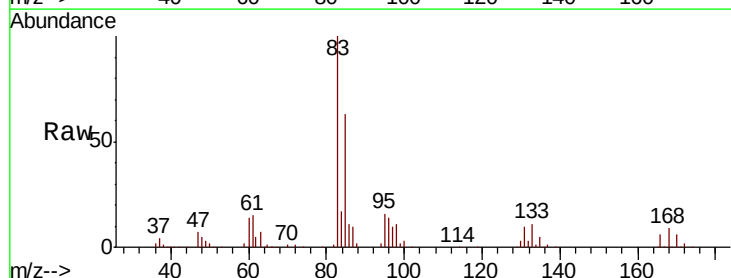
Tgt Ion: 83 Resp: 107247

Ion Ratio Lower Upper

83 100

85 62.9 44.7 82.9

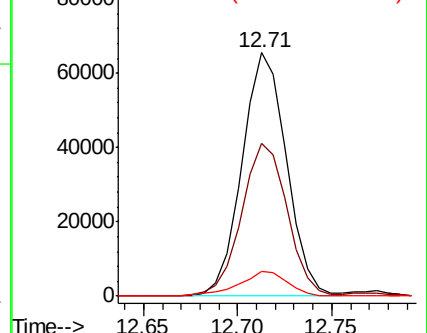
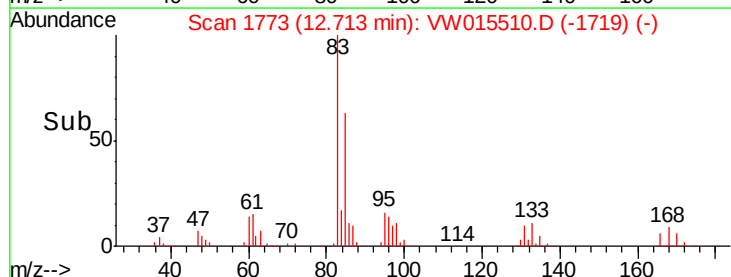
131 10.1 9.1 13.7

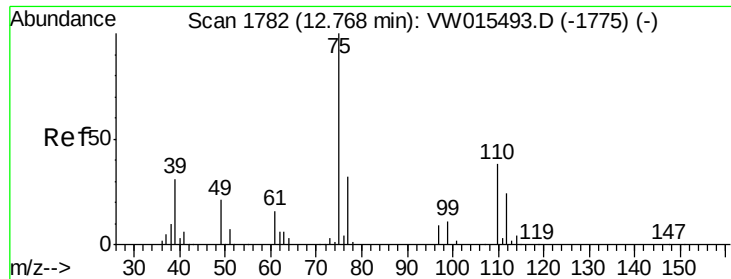


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

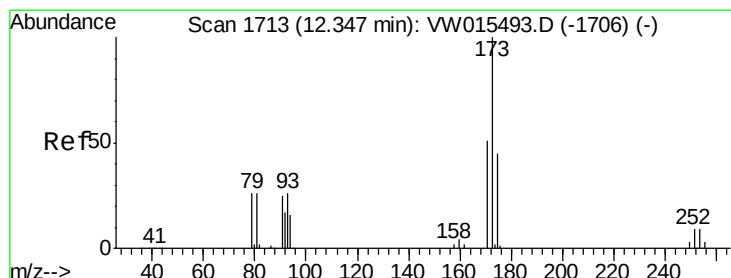
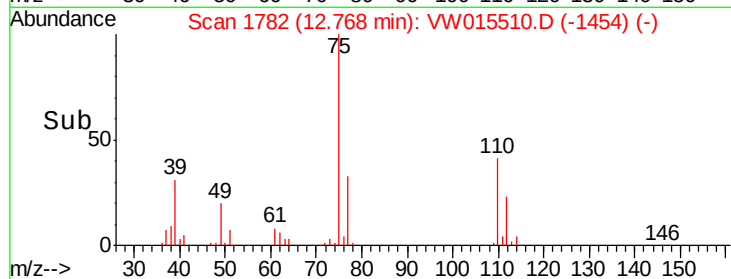
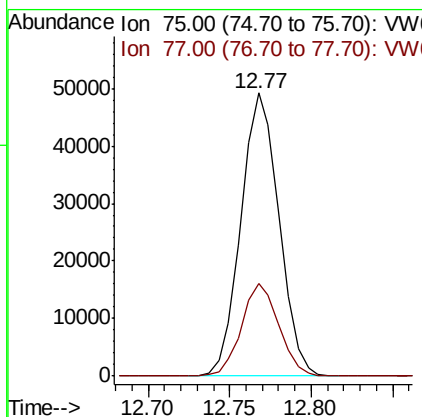
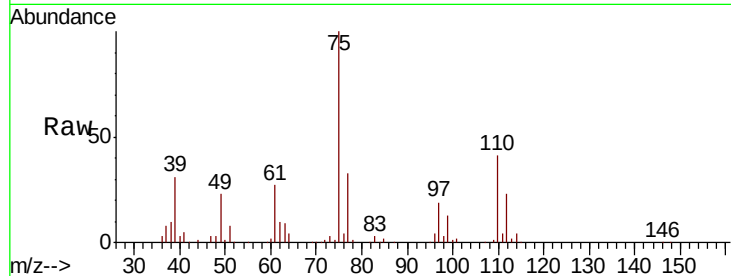




#59
 1,2,3-Trichloropropane
 Concen: 30.314 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

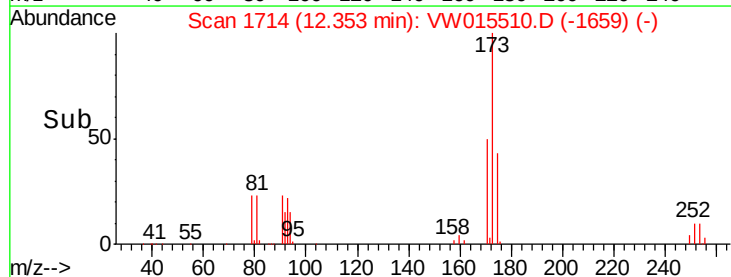
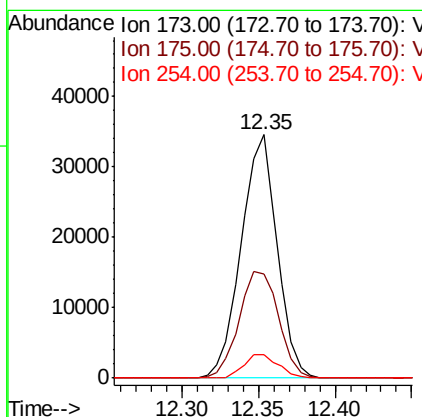
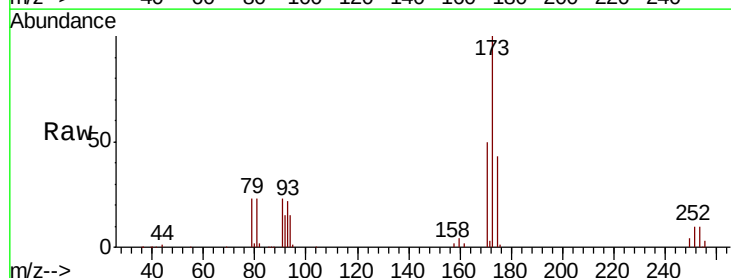
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

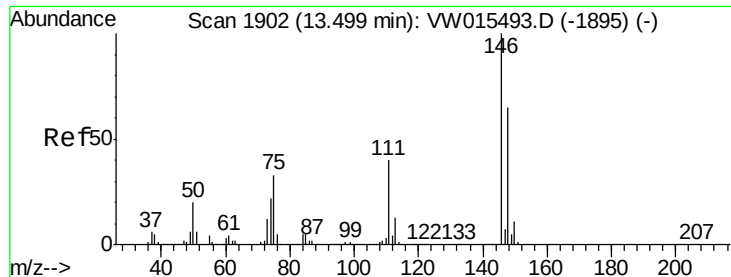
Tot Ion: 75 Resp: 80018
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#62
 Bromoform
 Concen: 26.212 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion:173 Resp: 56485
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.9 56.9
 254 9.5 6.8 10.2

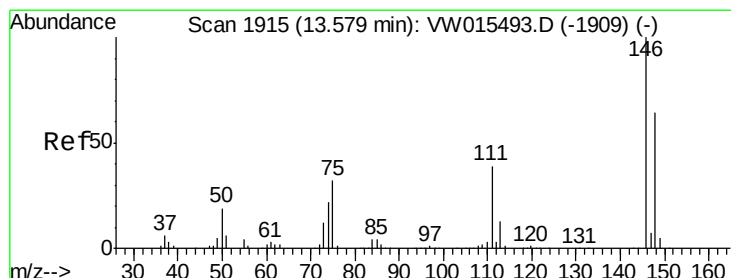
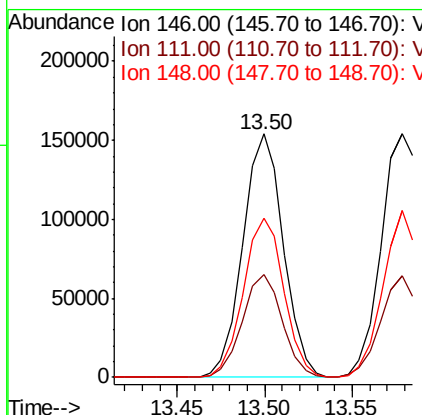
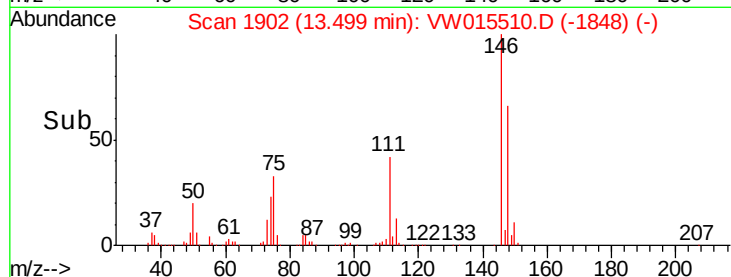
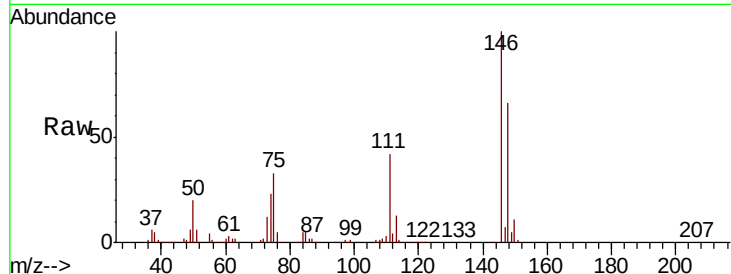




#63
 1,3-Dichlorobenzene
 Concen: 26.373 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

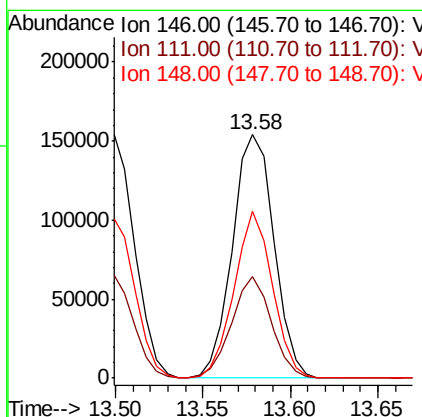
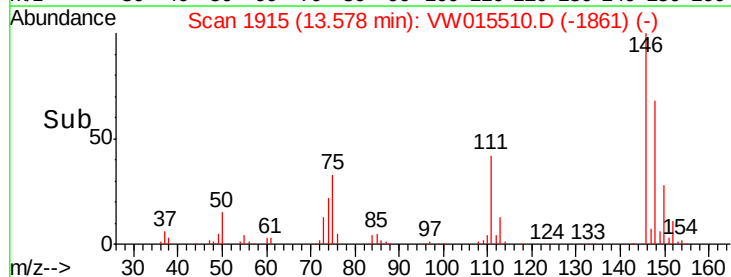
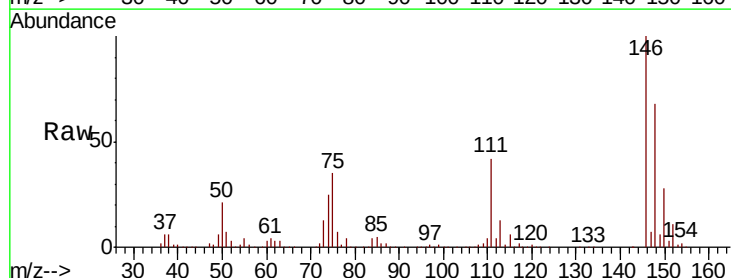
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

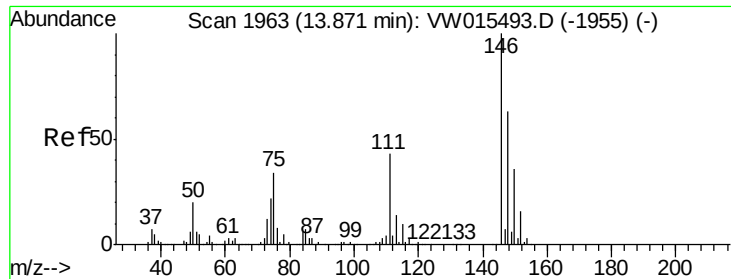
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.3	54.5
148	65.5	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 27.496 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.1	52.1
148	68.5	43.3	80.3

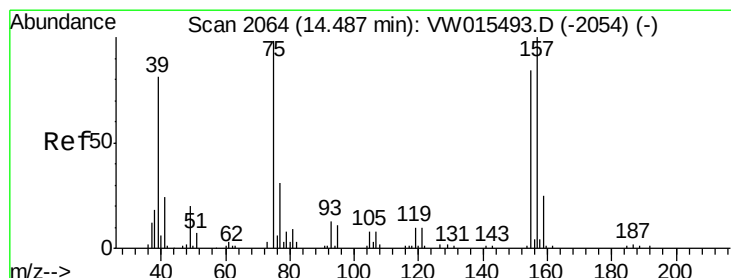
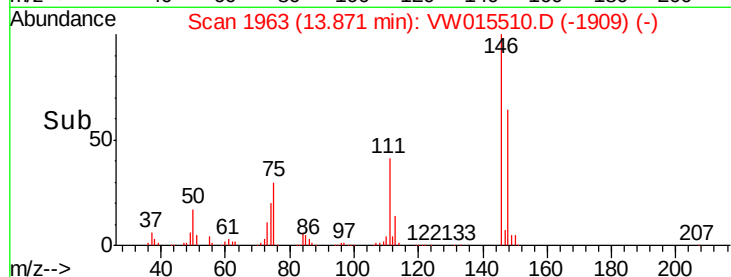
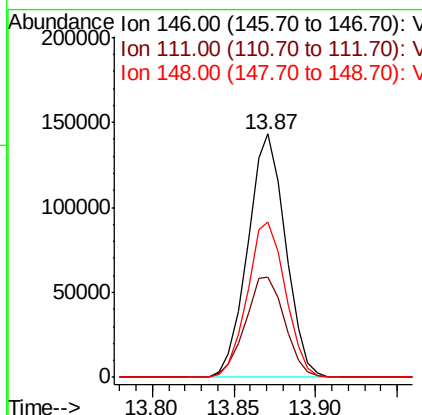
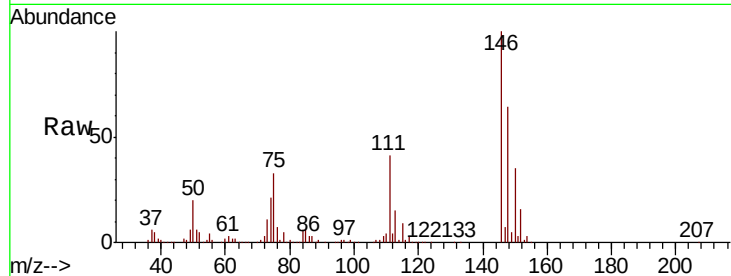




#65
 1,2-Dichlorobenzene
 Concen: 28.081 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

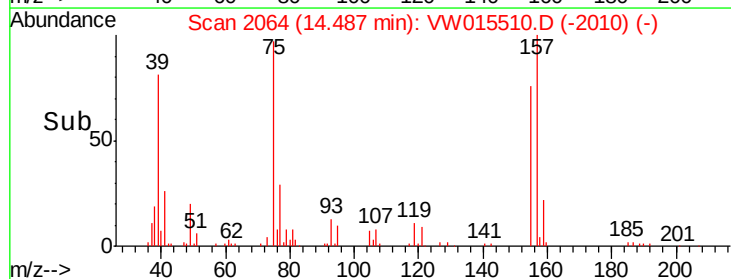
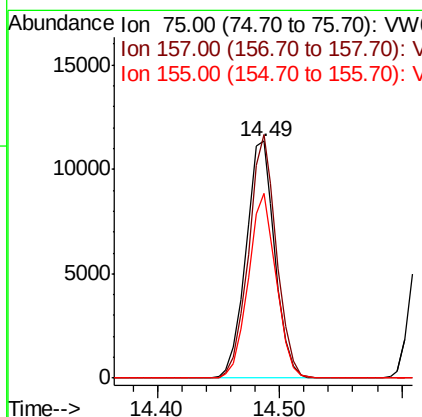
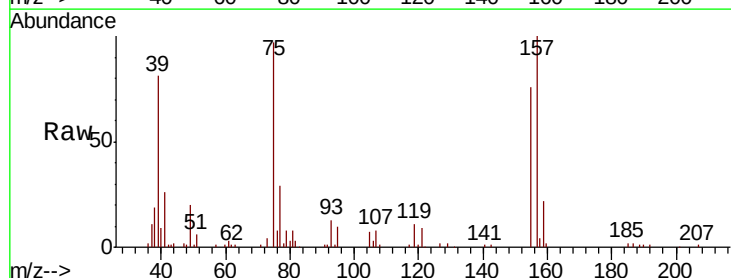
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

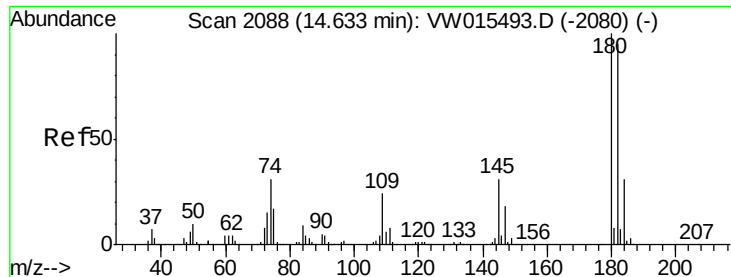
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.9	52.3
148	63.7	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.799 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.7	87.4	131.0
155	77.8	64.6	96.8

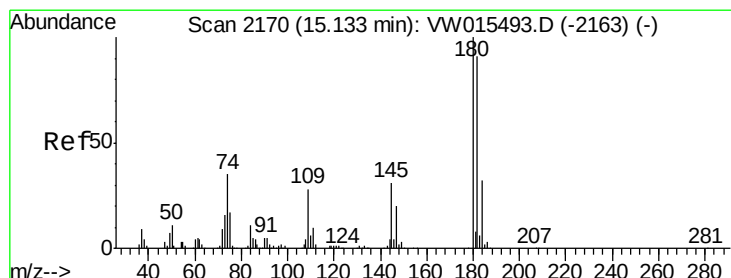
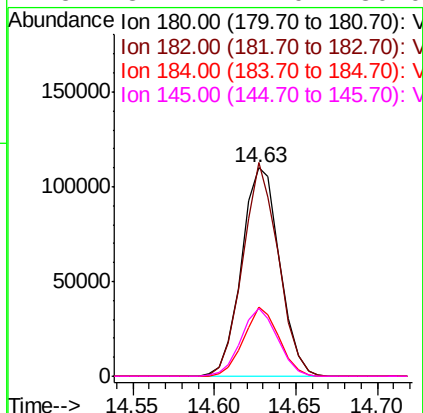
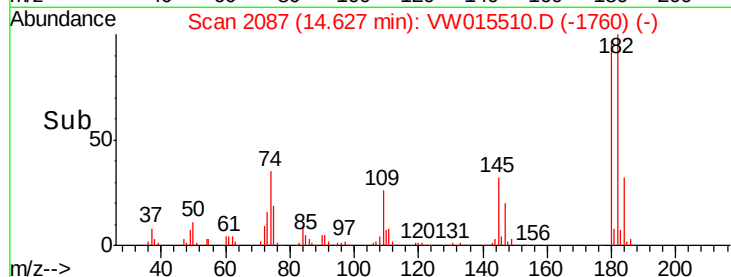
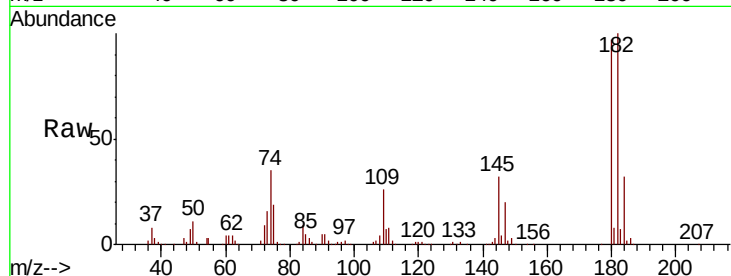




#67
 1,3,5-Trichlorobenzene
 Concen: 27.232 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

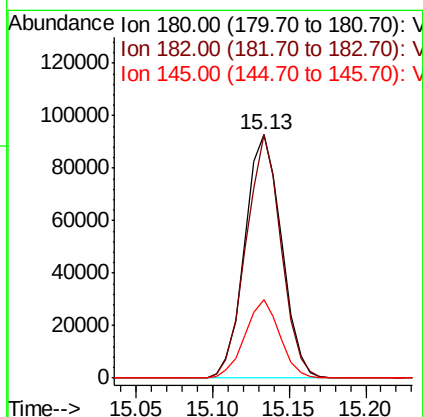
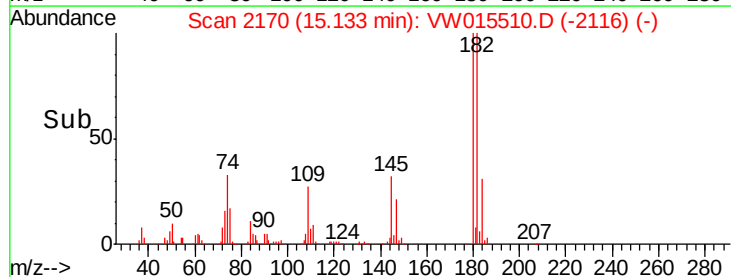
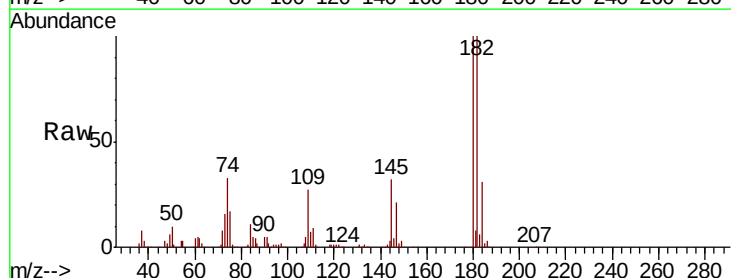
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

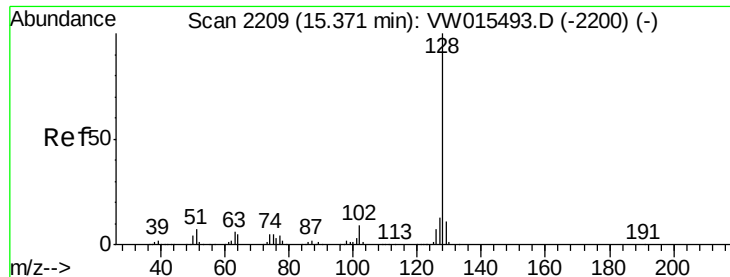
Tot Ion:180	Resp:	178432
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.6 114.8
184	30.8	24.4 36.6
145	31.4	24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 29.358 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015510.D
 Acq: 27 May 2020 17:32

Tgt Ion:180	Resp:	154930
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.1 114.1
145	30.5	25.2 37.8





#69

Naphthalene

Concen: 32.192 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

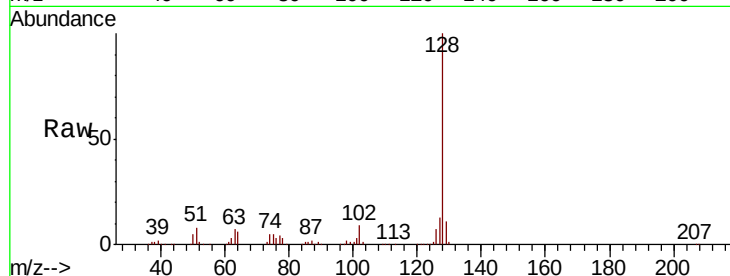
Tot Ion:128 Resp: 308471

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

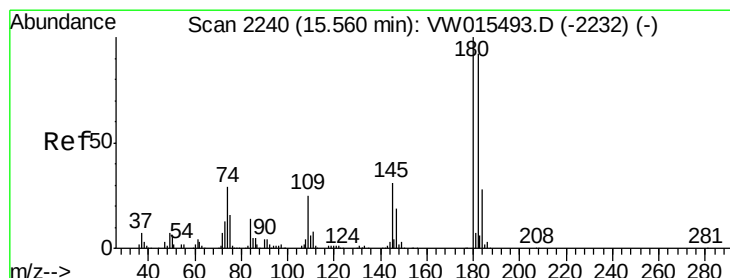
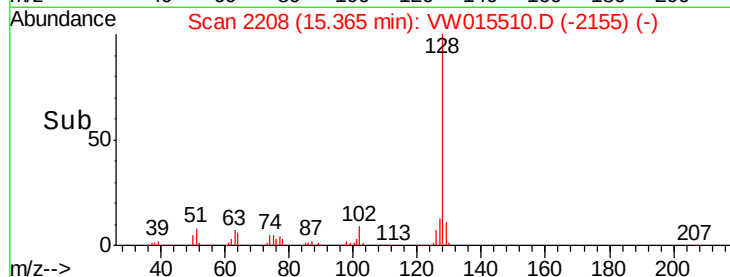
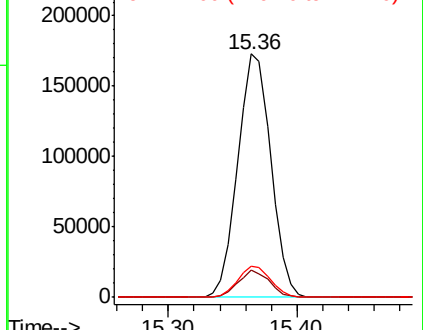
127 12.8 10.6 15.8



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: 30.182 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015510.D

Acq: 27 May 2020 17:32

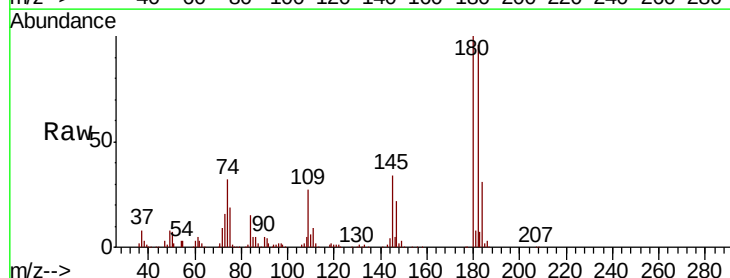
Tgt Ion:180 Resp: 135502

Ion Ratio Lower Upper

180 100

182 94.8 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

