

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015757.D
 Acq On : 29 Jun 2020 12:11
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Jun 30 02:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 29 12:09:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	333106	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305031	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156123	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119711	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.52%
7) Chloroethane-d5	2.89	69	97710	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
10) 1,1-Dichloroethene-d2	4.02	63	219981	22.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.60%
20) 2-Butanone-d5	7.08	46	57339	50.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.50%
24) Chloroform-d	7.65	84	215856	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.31	65	123361	23.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.44%
29) Benzene-d6	8.27	84	422974	23.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.04%
33) 1,2-Dichloropropane-d6	9.27	67	124380	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.40%
37) Toluene-d8	10.32	98	400578	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.68%
38) trans-1,3-Dichloropropene-	10.58	79	58065	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
39) 2-Hexanone-d5	10.93	63	45856	52.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103991	25.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	142128	23.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	89297	28.431	ug/L 98
3) Chloromethane	2.21	50	83378	24.669	ug/L 97
5) Vinyl chloride	2.37	62	129130	25.508	ug/L 99
6) Bromomethane	2.78	94	83563	24.914	ug/L 98
8) Chloroethane	2.93	64	80775	25.575	ug/L 99
9) Trichlorofluoromethane	3.26	101	89755	24.246	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	101161	25.206	ug/L 98
12) 1,1-Dichloroethene	4.04	96	99890	25.783	ug/L 90
13) Acetone	4.12	43	46430	48.551	ug/L 97
14) Carbon disulfide	4.38	76	311024	25.852	ug/L 99
15) Methyl Acetate	4.68	43	47119	27.503	ug/L 100
16) Methylene chloride	4.92	84	107834	22.063	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	162400	27.357	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	109501	26.328	ug/L 99
19) 1,1-Dichloroethane	6.22	63	193147	25.757	ug/L 100
21) 2-Butanone	7.18	43	61236	51.797	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	114667	26.671	ug/L 98

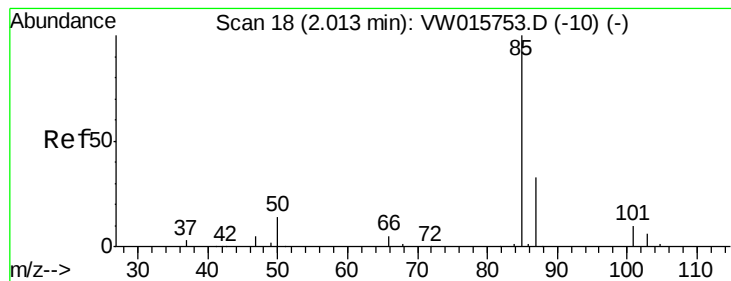
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jun 29 12:09:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50701	26.774	ug/L	95
25) Chloroform	7.68	83	198338	26.186	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141812	27.078	ug/L	100
30) Cyclohexane	7.96	56	181346	26.361	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	170984	25.899	ug/L	99
32) Carbon tetrachloride	8.07	117	154326	25.864	ug/L	100
34) Benzene	8.32	78	443449	26.471	ug/L	100
35) Trichloroethene	9.09	95	116161	26.003	ug/L	99
36) Methylcyclohexane	9.34	83	200580	26.033	ug/L	100
40) 1,2-Dichloropropane	9.37	63	109034	26.742	ug/L	99
41) Bromodichloromethane	9.65	83	142022	26.809	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	172657	27.127	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	135667	57.031	ug/L	99
44) Toluene	10.39	91	490809	26.968	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	154669	27.920	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	80841	27.465	ug/L	98
47) Tetrachloroethene	10.86	164	92062	25.646	ug/L	95
49) 2-Hexanone	10.97	43	95131	56.771	ug/L	99
50) Dibromochloromethane	11.13	129	95594	27.745	ug/L	97
51) 1,2-Dibromoethane	11.24	107	79605	27.901	ug/L	99
52) Chlorobenzene	11.66	112	302327	26.429	ug/L	99
53) Ethylbenzene	11.73	91	547710	26.617	ug/L	98
54) m,p-Xylene	11.84	106	212428	27.619	ug/L	100
55) o-xylene	12.17	106	204034	27.757	ug/L	98
56) Styrene	12.18	104	348355	27.918	ug/L	100
57) Isopropylbenzene	12.46	105	547033	26.942	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	98615	28.155	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	74817	28.284	ug/L	99
62) Bromoform	12.35	173	54343	27.134	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	239870	25.901	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	241047	26.128	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	219476	26.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16171	27.573	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	168339	26.506	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	139722	27.264	ug/L	99
69) Naphthalene	15.37	128	273559	29.176	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	121961	27.527	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 28.431 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

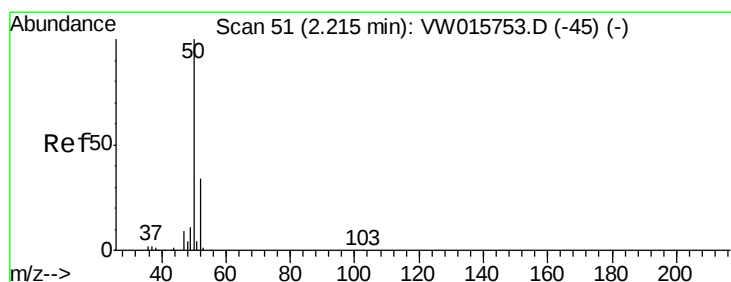
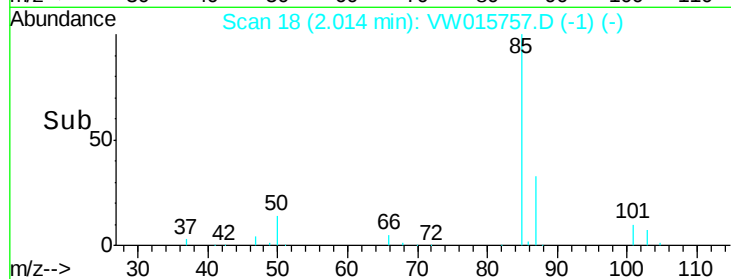
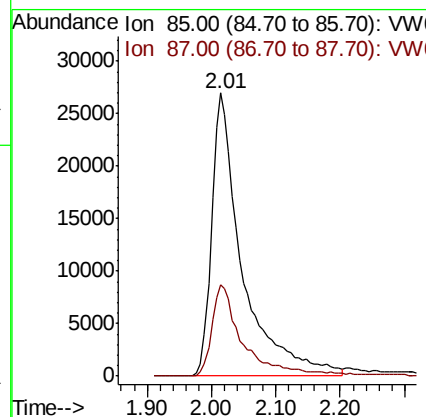
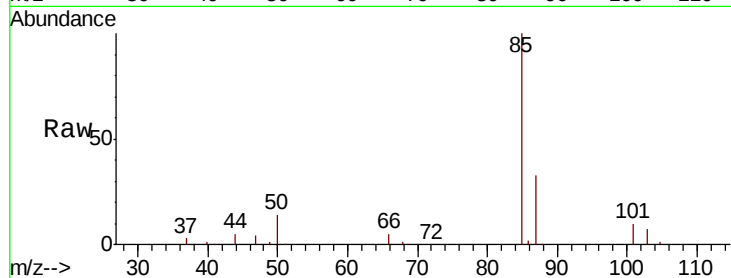
VSTD02516

Tot Ion: 85 Resp: 89297

Ion Ratio Lower Upper

85 100

87 29.1 21.1 39.1



#3

Chloromethane

Concen: 24.669 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015757.D

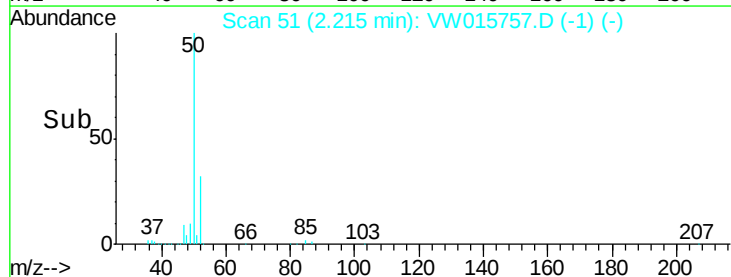
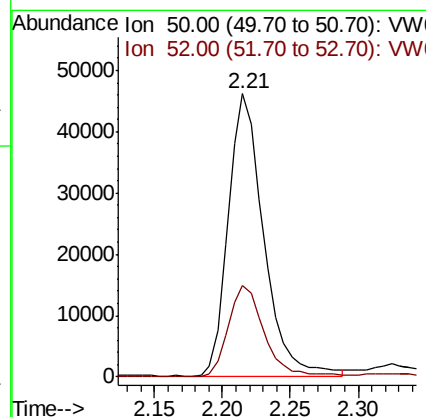
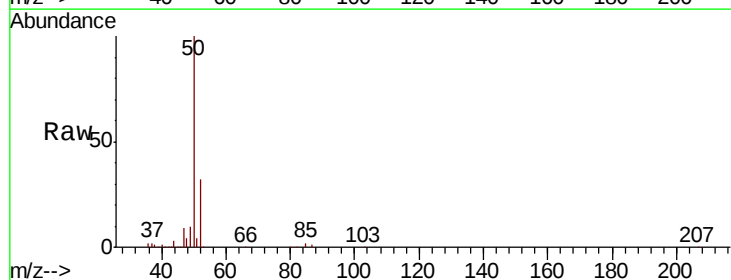
Acq: 29 Jun 2020 12:11

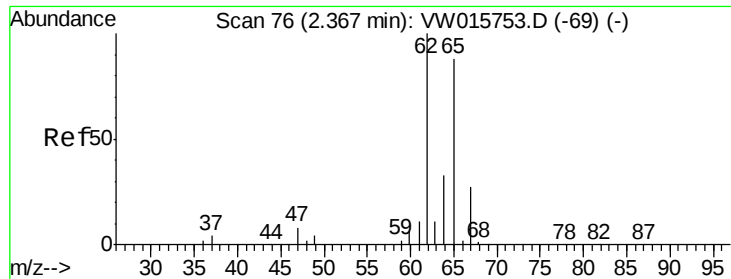
Tgt Ion: 50 Resp: 83378

Ion Ratio Lower Upper

50 100

52 32.1 23.7 44.1

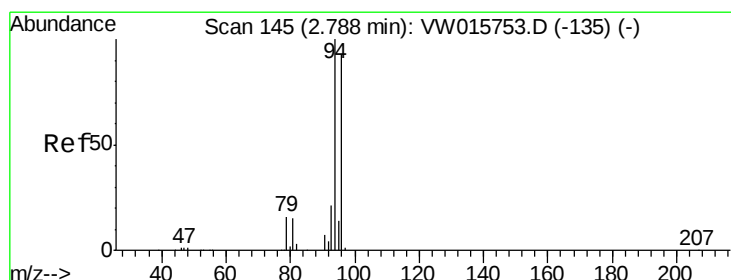
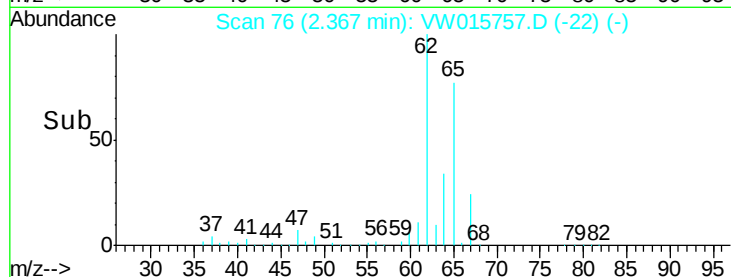
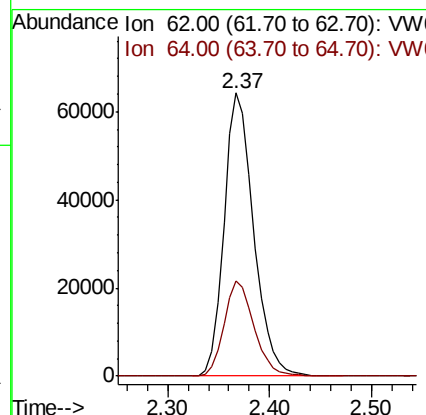
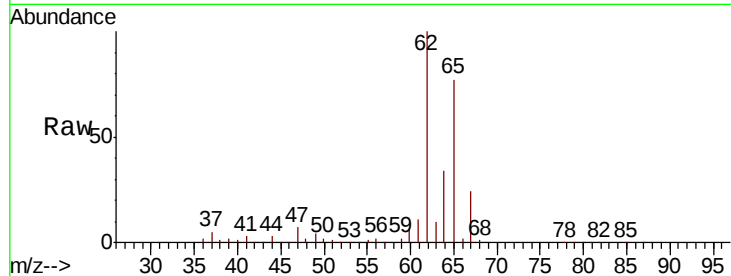




#5
 Vinyl chloride
 Concen: 25.508 ug/L
 RT: 2.37 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

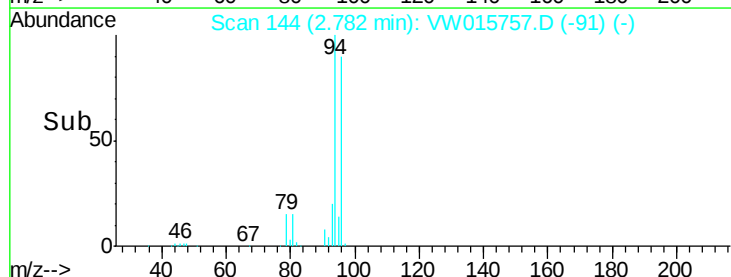
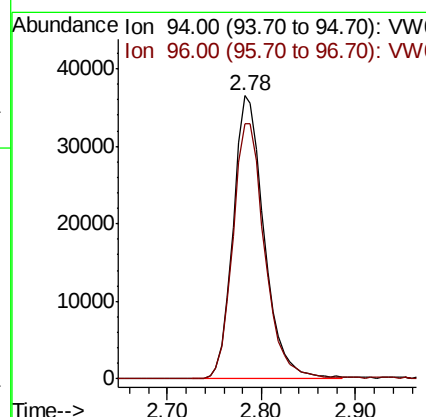
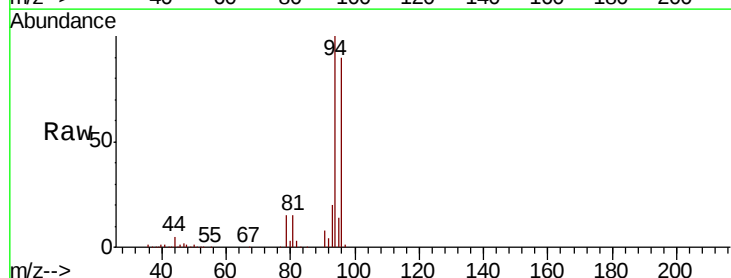
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 ClientSampleId :
 VSTD02516

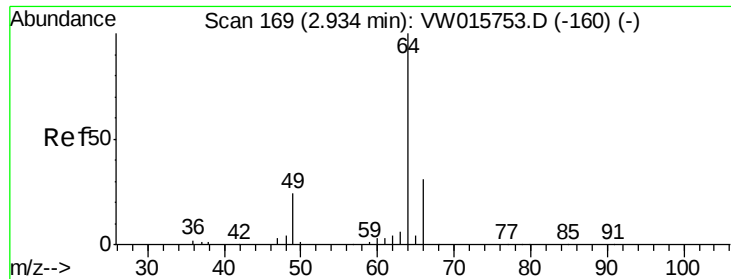
Tot Ion: 62 Resp: 129130
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.2 43.0



#6
 Bromomethane
 Concen: 24.914 ug/L
 RT: 2.78 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion: 94 Resp: 83563
 Ion Ratio Lower Upper
 94 100
 96 92.7 9.4 179.2

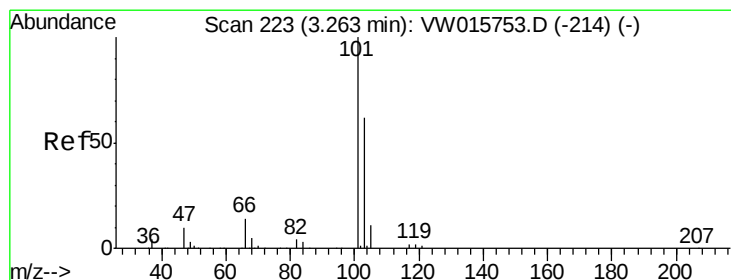
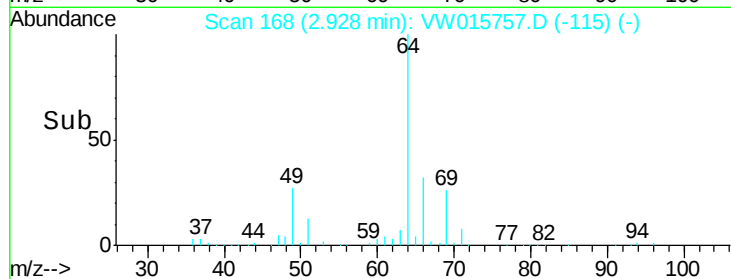
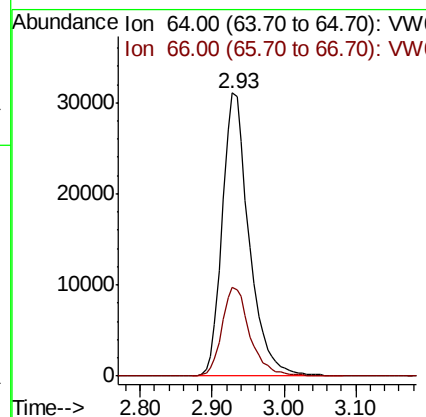
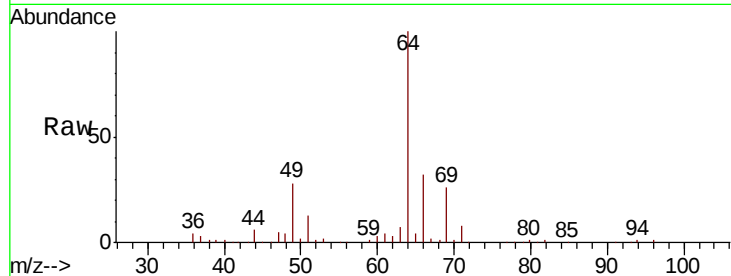




#8
Chloroethane
Concen: 25.575 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

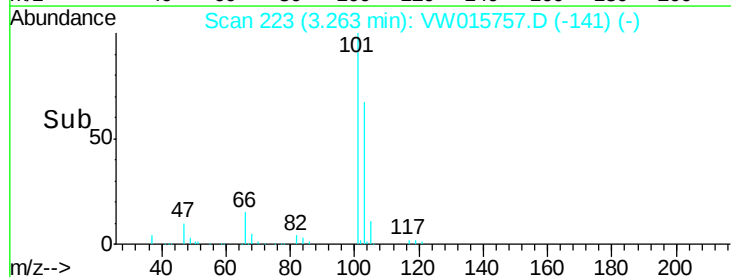
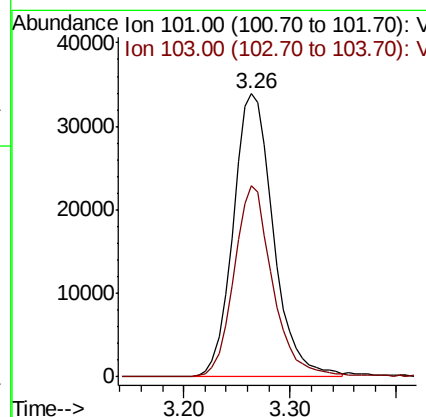
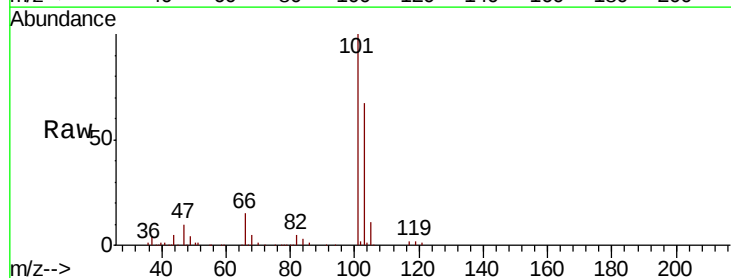
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

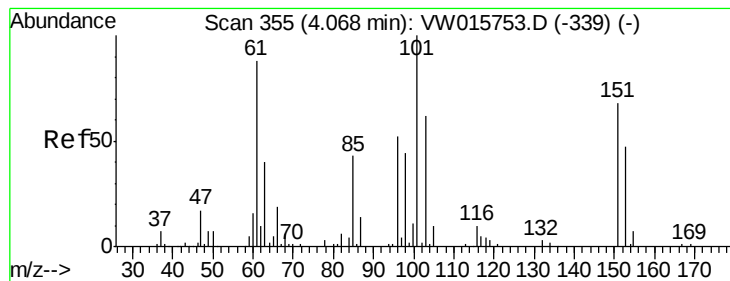
Tot Ion: 64 Resp: 80775
Ion Ratio Lower Upper
64 100
66 31.6 21.6 40.2



#9
Trichlorofluoromethane
Concen: 24.246 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion:101 Resp: 89755
Ion Ratio Lower Upper
101 100
103 64.5 44.4 82.4





#11

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

Concen: 25.206 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

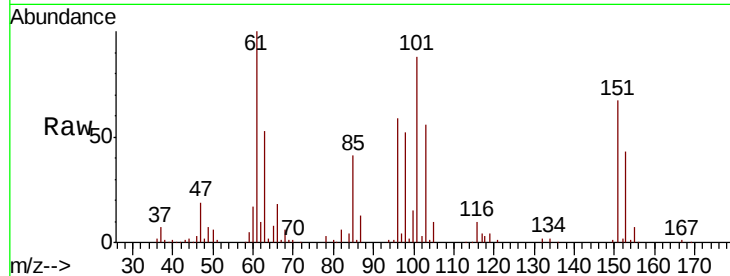
Tot Ion:101 Resp: 101161

Ion Ratio Lower Upper

101 100

85 44.7 34.4 51.6

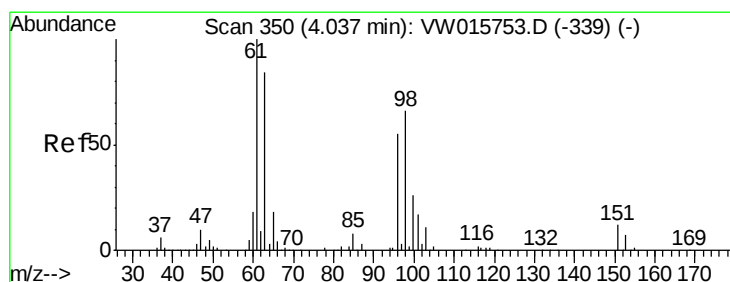
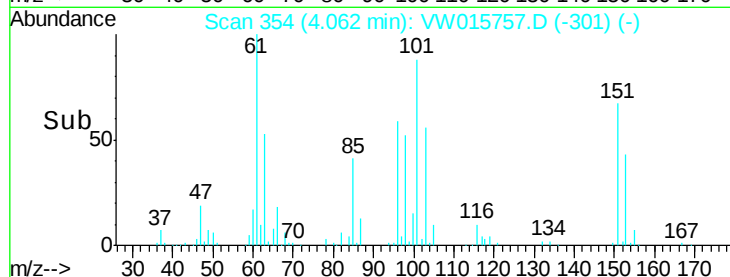
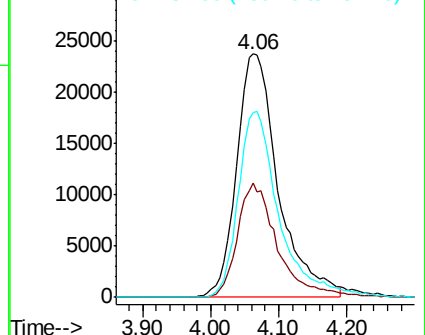
151 74.8 58.6 88.0



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: 25.783 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

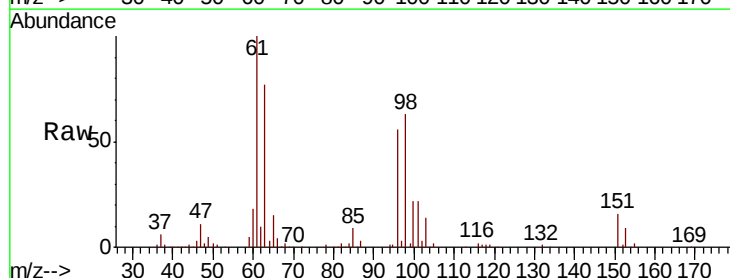
Tgt Ion: 96 Resp: 99890

Ion Ratio Lower Upper

96 100

61 177.8 128.0 237.6

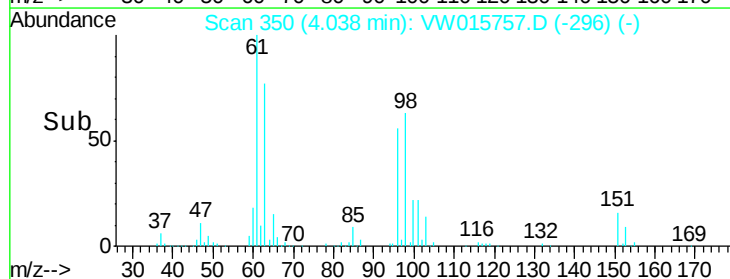
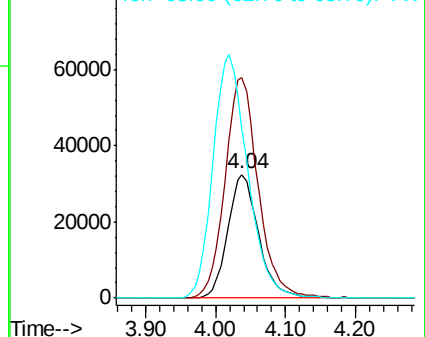
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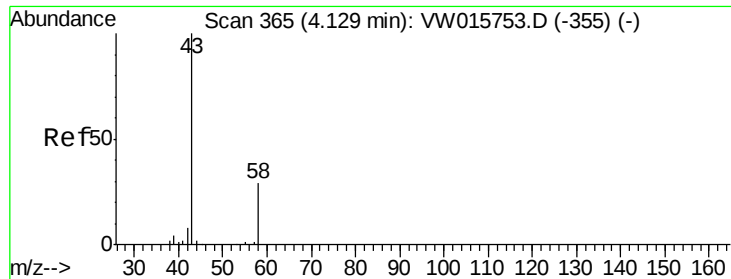


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.551 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

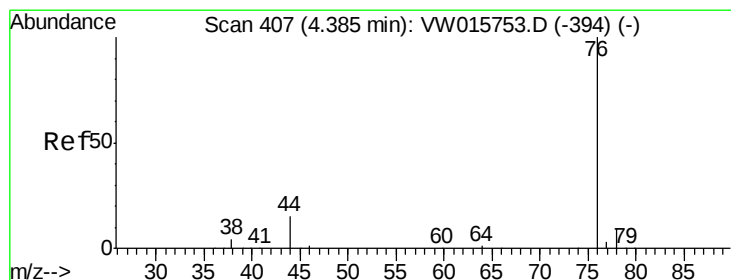
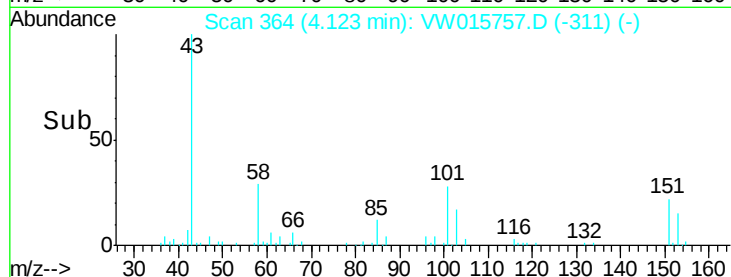
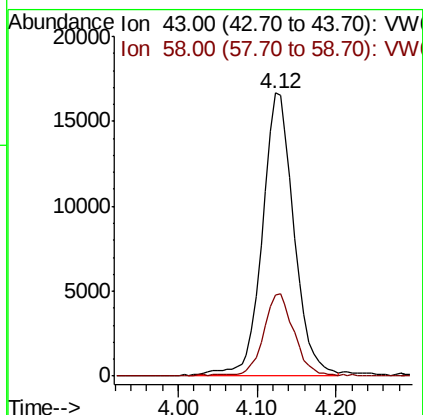
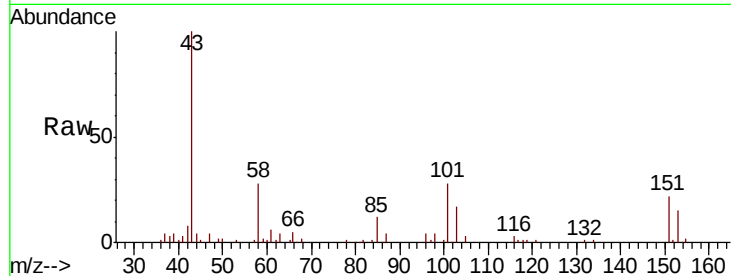
VSTD02516

Tot Ion: 43 Resp: 46430

Ion Ratio Lower Upper

43 100

58 28.1 0.0 59.4



#14

Carbon disulfide

Concen: 25.852 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015757.D

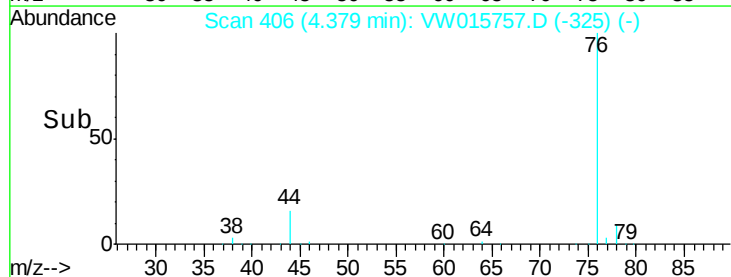
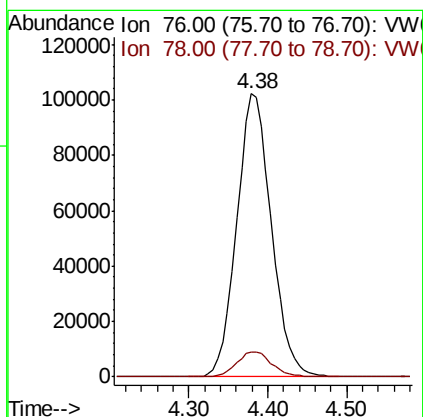
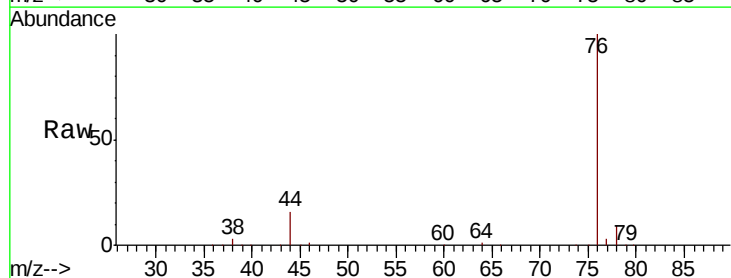
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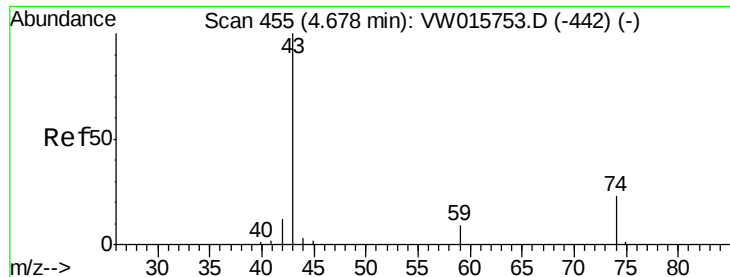
Tgt Ion: 76 Resp: 311024

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3

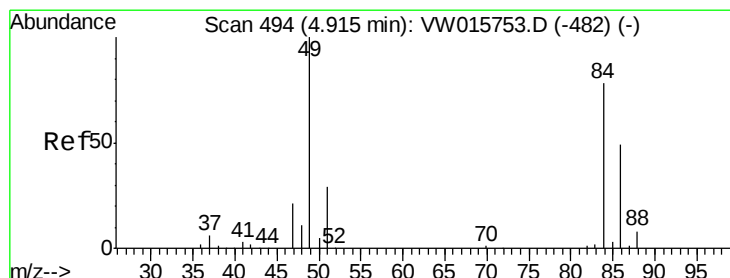
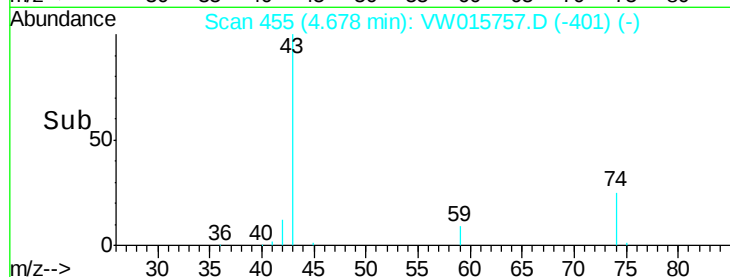
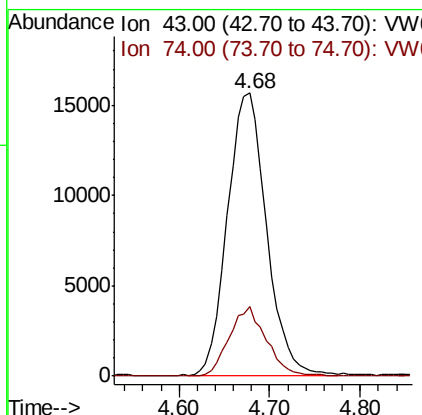
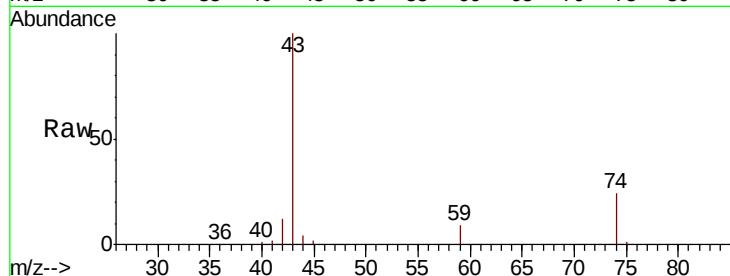




#15
Methvl Acetate
Concen: 27.503 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

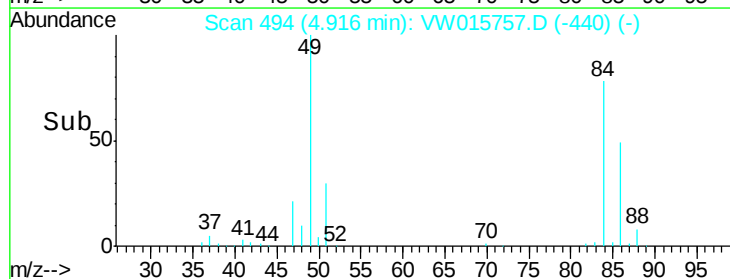
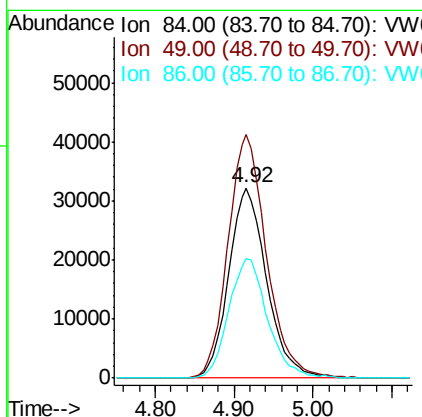
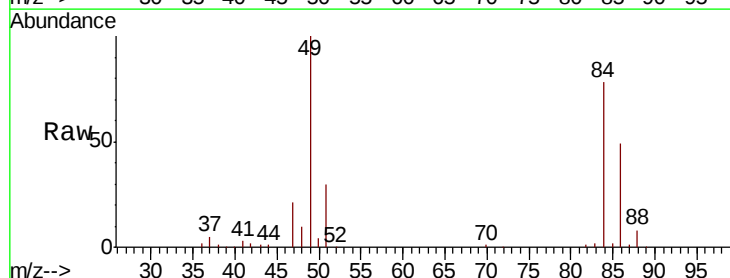
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

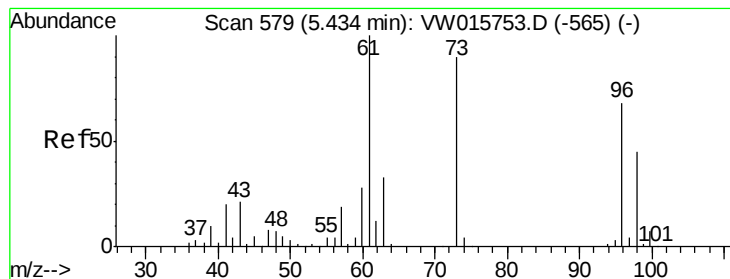
Tot Ion: 43 Resp: 47119
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 22.063 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion: 84 Resp: 107834
Ion Ratio Lower Upper
84 100
49 128.0 90.0 167.2
86 62.8 44.0 81.8





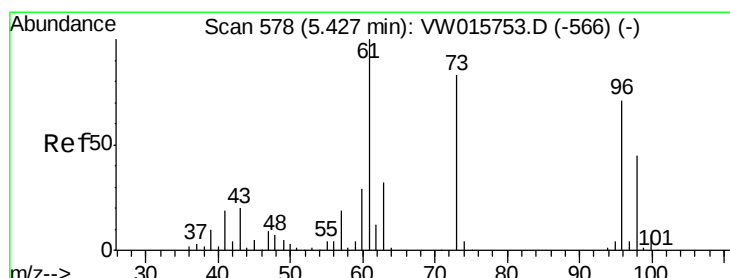
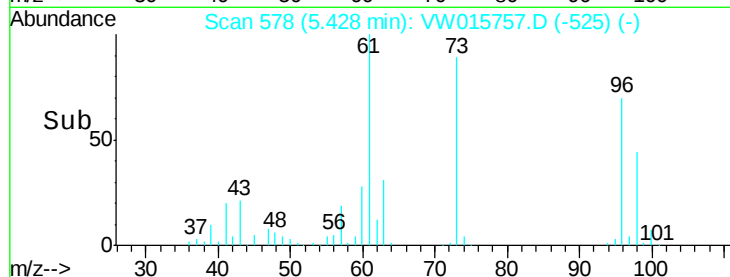
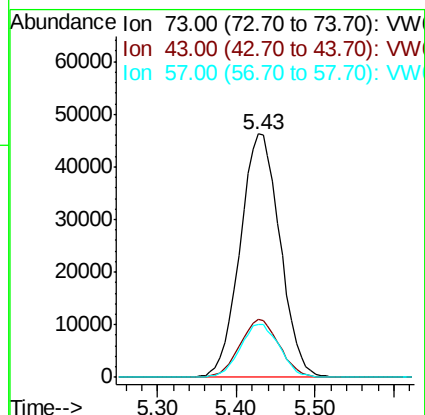
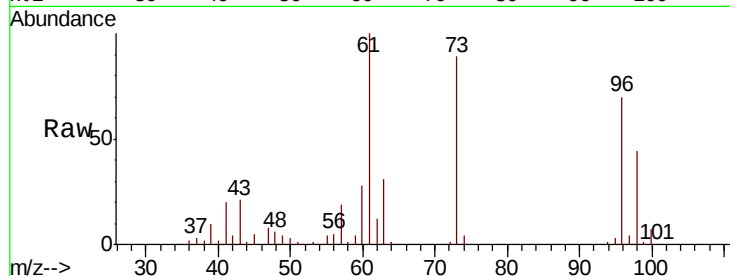
#17

Methyl tert-butyl Ether
 Concen: 27.357 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

Tot Ion: 73 Resp: 162400

Ion	Ratio	Lower	Upper
73	100		
43	23.4	19.0	28.4
57	21.6	17.3	25.9

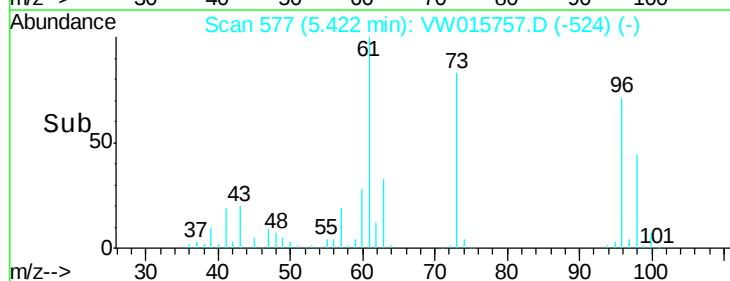
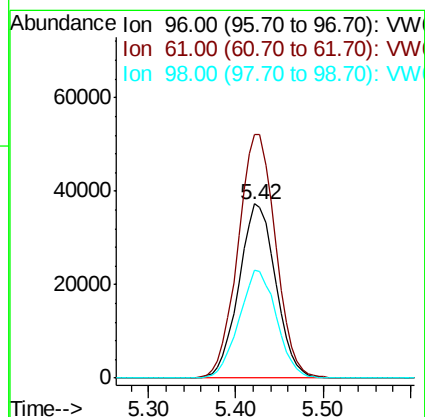
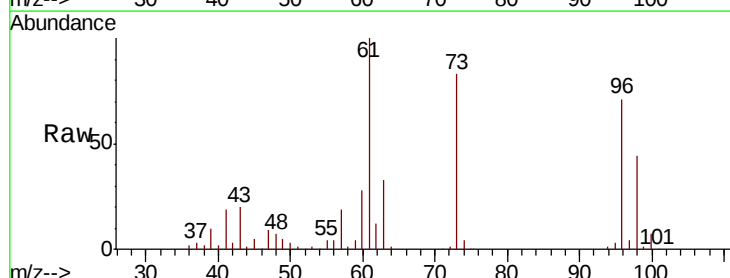


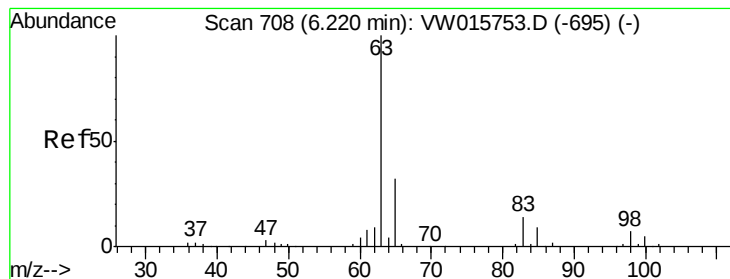
#18

trans-1,2-Dichloroethene
 Concen: 26.328 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion: 96 Resp: 109501

Ion	Ratio	Lower	Upper
96	100		
61	139.9	98.5	182.9
98	62.1	44.4	82.4





#19

1,1-Dichloroethane

Concen: 25.757 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

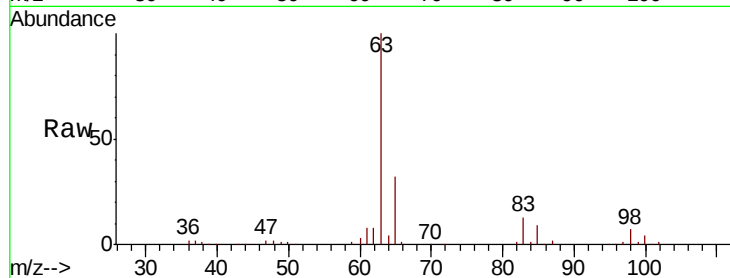
Tot Ion: 63 Resp: 193147

Ion Ratio Lower Upper

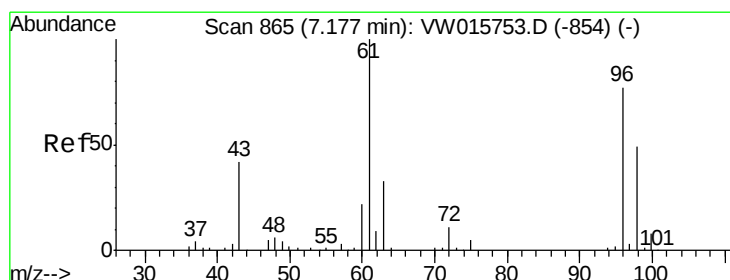
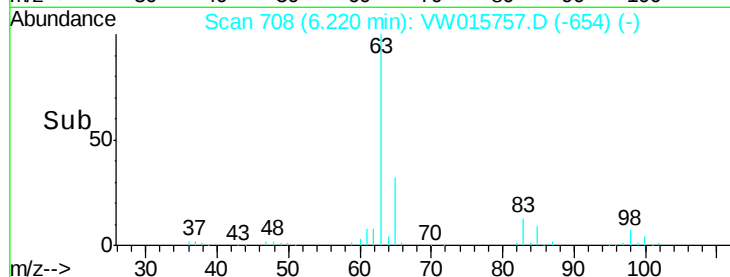
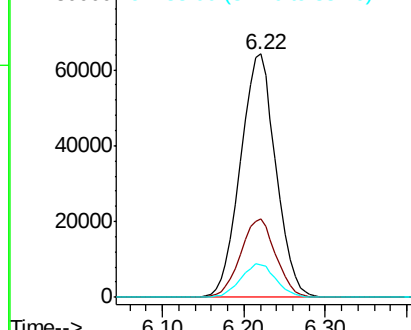
63 100

65 32.1 22.3 41.3

83 13.4 9.5 17.7



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: 51.797 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015757.D

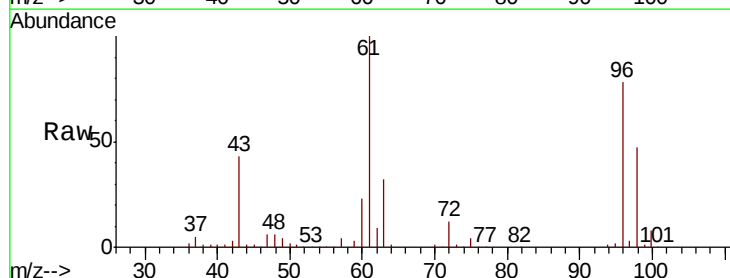
Acq: 29 Jun 2020 12:11

Tgt Ion: 43 Resp: 61236

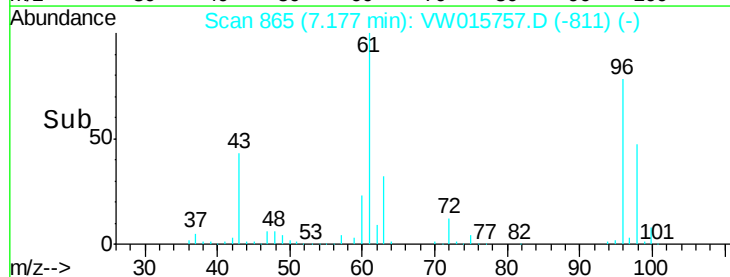
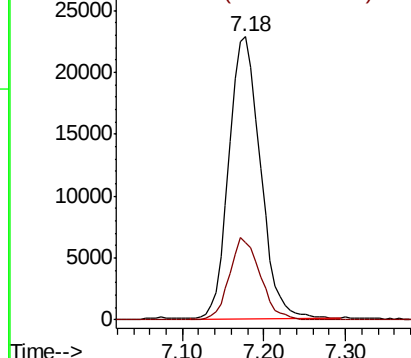
Ion Ratio Lower Upper

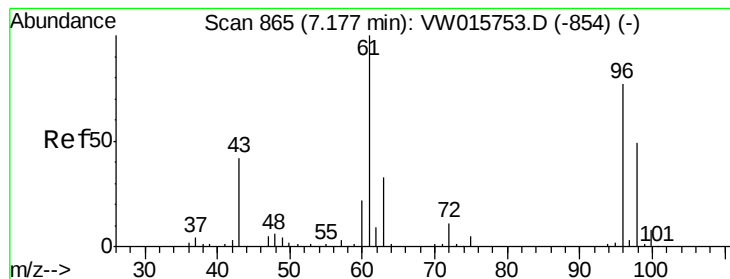
43 100

72 28.2 13.7 41.1



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



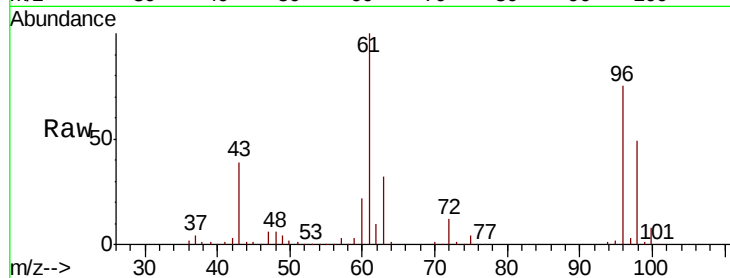


#22

cis-1,2-Dichloroethene
Concen: 26.671 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

Tot Ion	96	Resp	114667
Ion Ratio	Lower	Upper	
96	100		
61	132.6	90.8	168.6
98	64.6	44.1	81.9

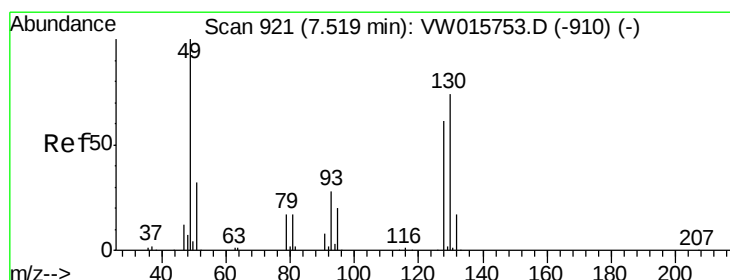
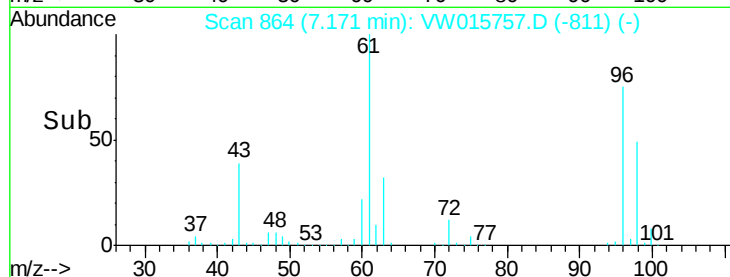
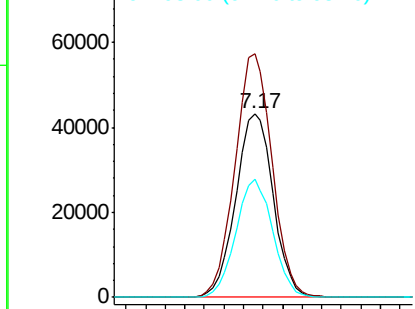


Abundance

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: 26.774 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion	128	Resp	50701
Ion Ratio	Lower	Upper	
128	100		
49	170.0	115.0	213.6
130	128.2	85.1	158.1
51	50.7	42.6	64.0

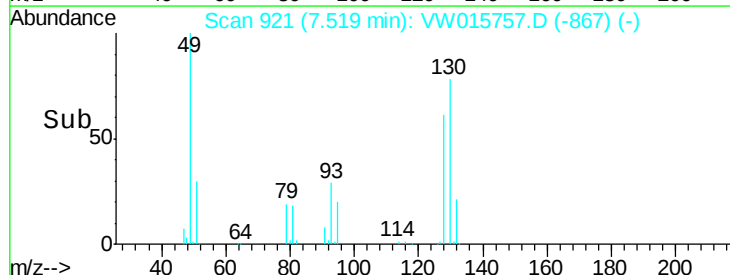
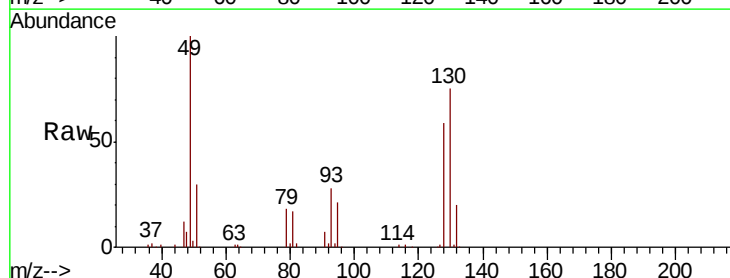
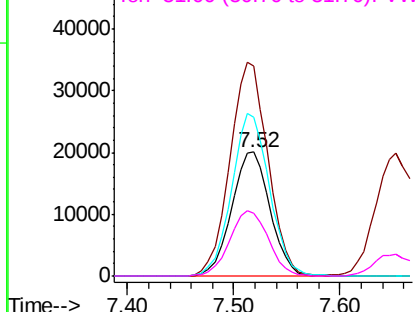
Abundance

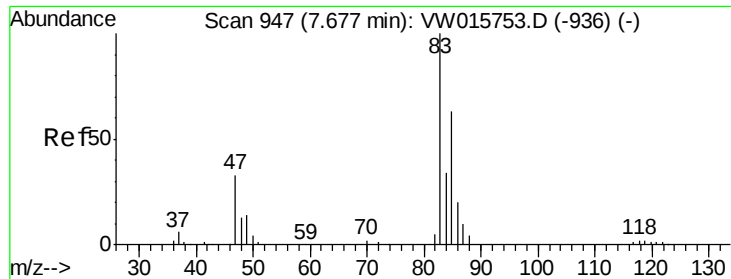
Ion 128.00 (127.70 to 128.70): V

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

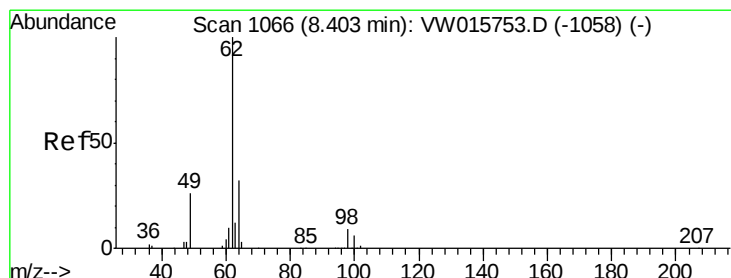
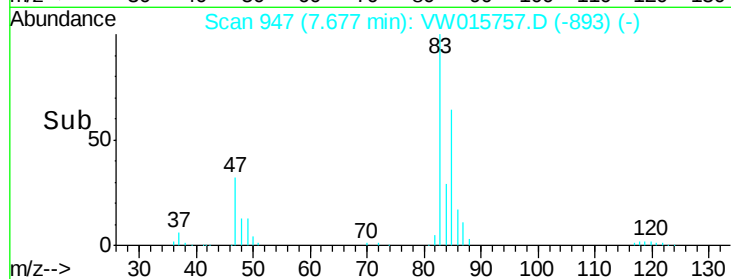
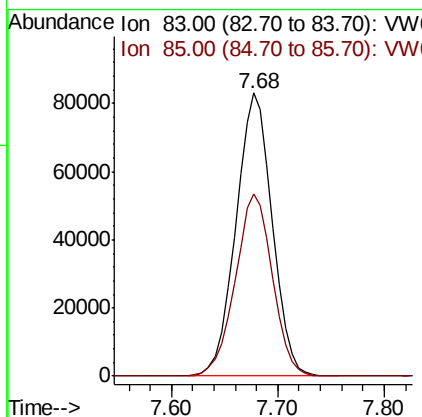
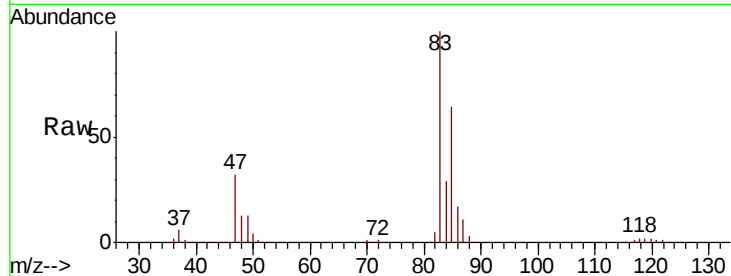




#25
Chloroform
Concen: 26.186 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

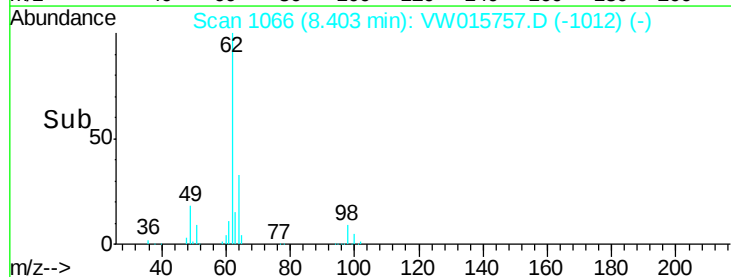
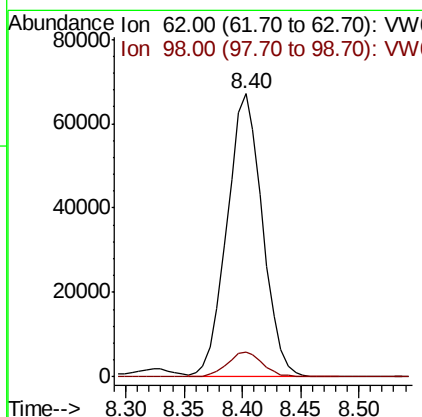
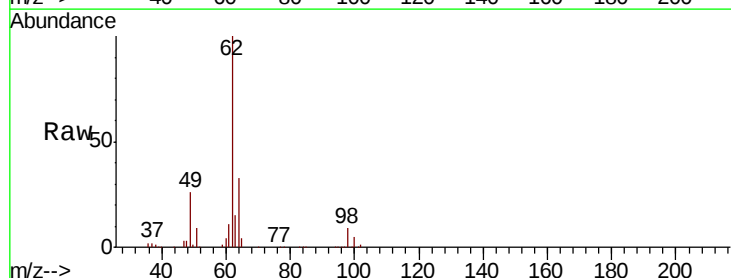
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

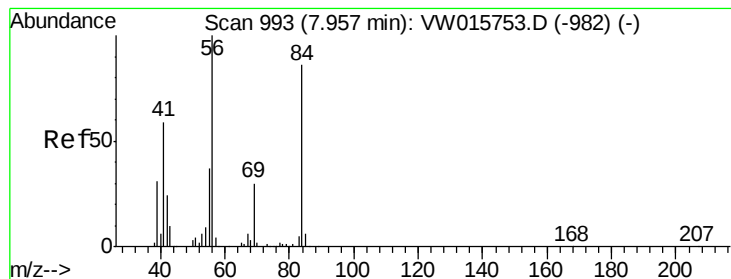
Tot Ion: 83 Resp: 198338
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.078 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion: 62 Resp: 141812
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4





#30

Cyclohexane

Concen: 26.361 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

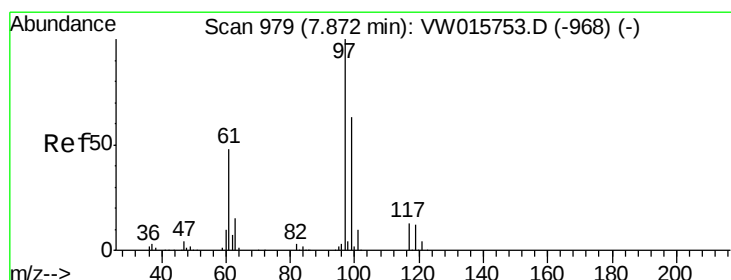
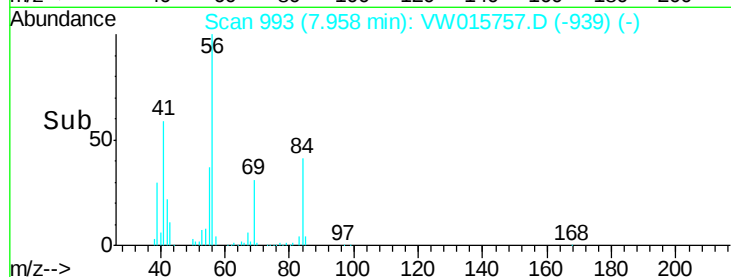
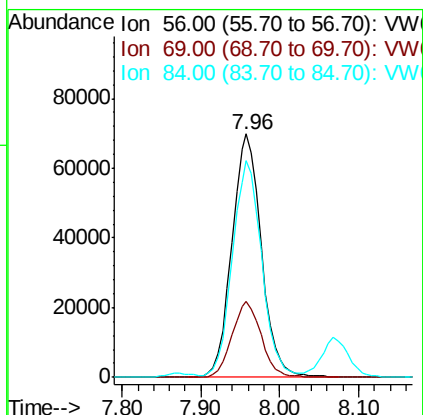
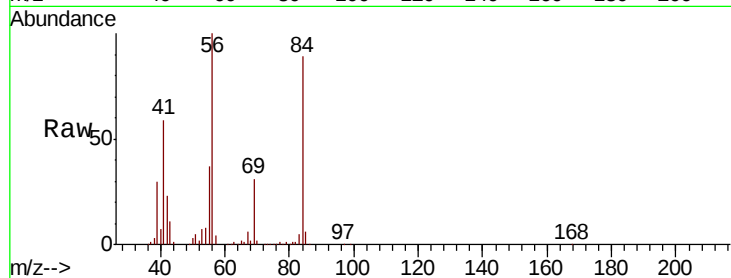
Tot Ion: 56 Resp: 181346

Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 88.7 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 25.899 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

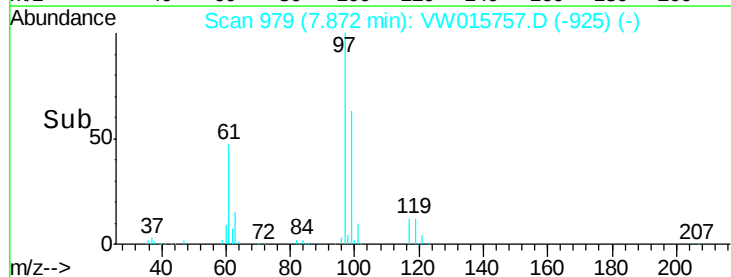
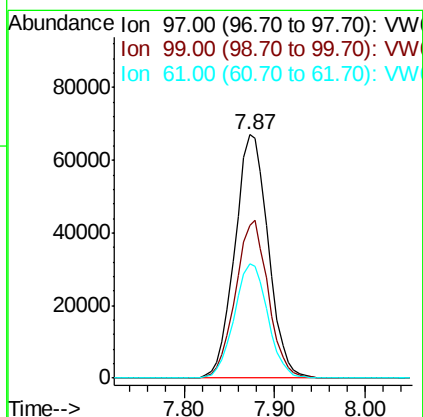
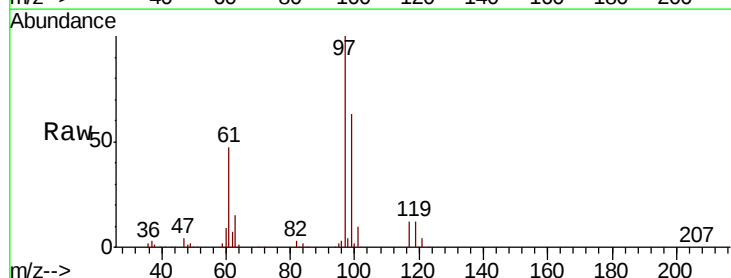
Tgt Ion: 97 Resp: 170984

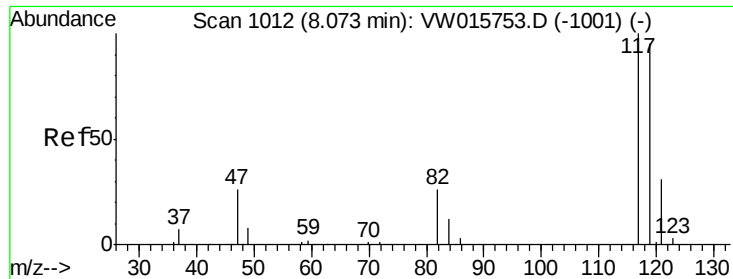
Ion Ratio Lower Upper

97 100

99 63.8 50.5 75.7

61 47.4 37.9 56.9





#32

Carbon tetrachloride

Concen: 25.864 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

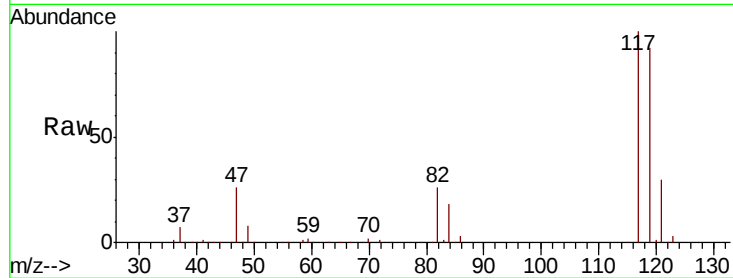
VSTD02516

Tot Ion:117 Resp: 154326

Ion Ratio Lower Upper

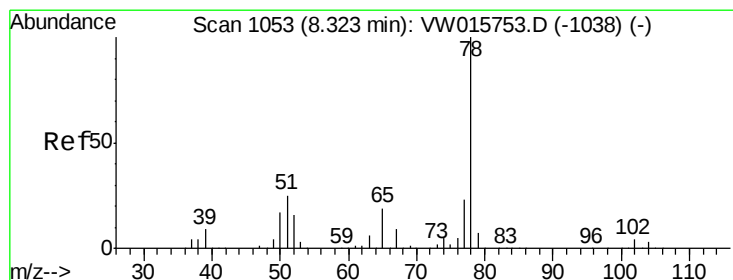
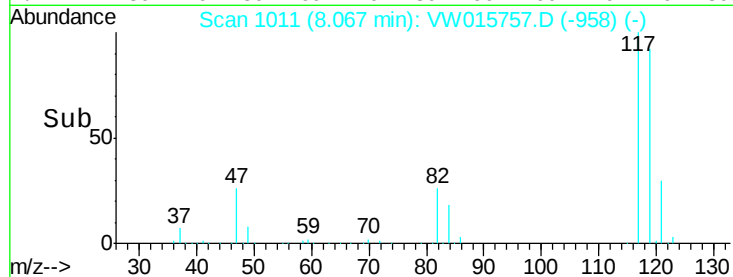
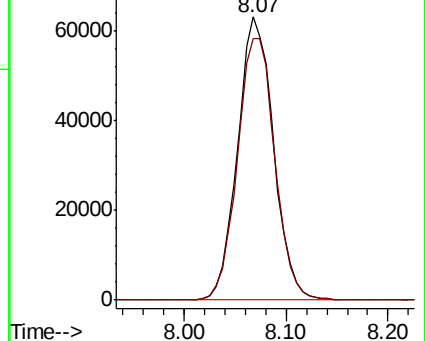
117 100

119 96.4 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.471 ug/L

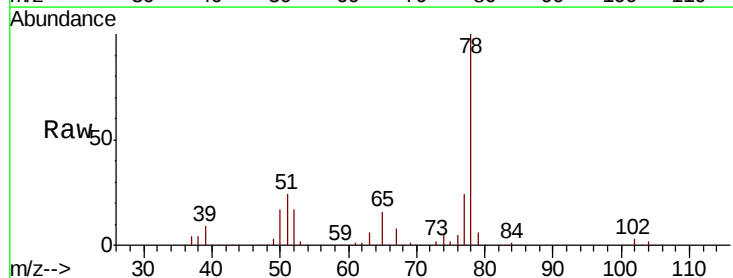
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

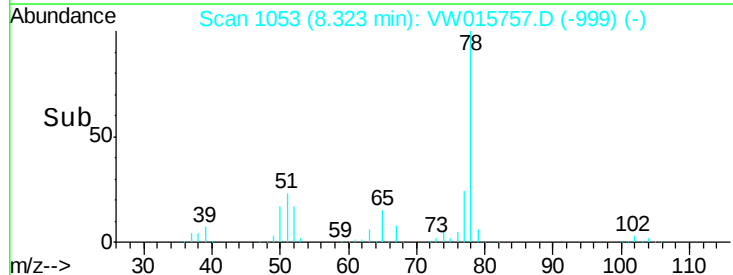
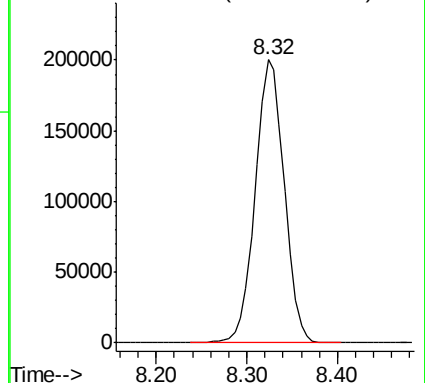
Lab File: VW015757.D

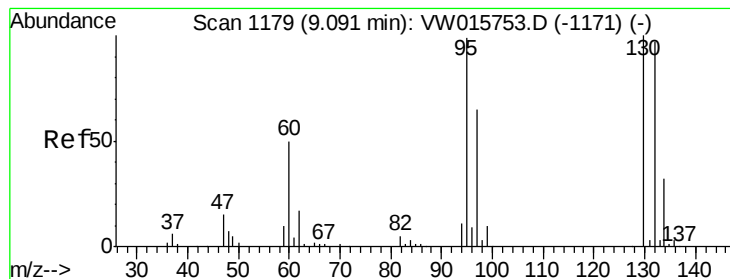
Acq: 29 Jun 2020 12:11

Tgt Ion: 78 Resp: 443449



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.003 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 95 Resp: 116161

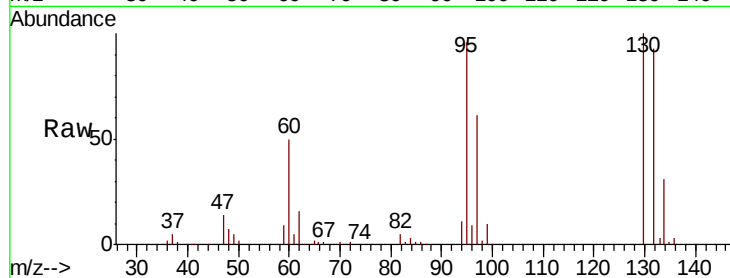
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.3

132 94.3 67.8 126.0

130 100.2 70.1 130.1

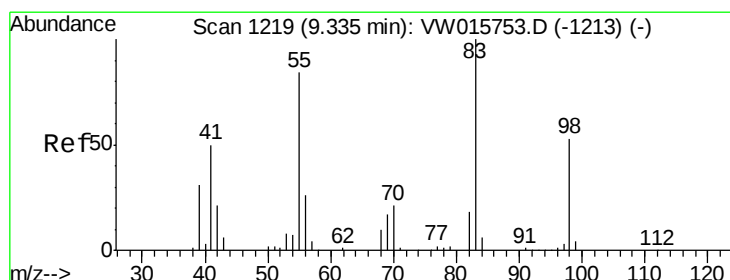
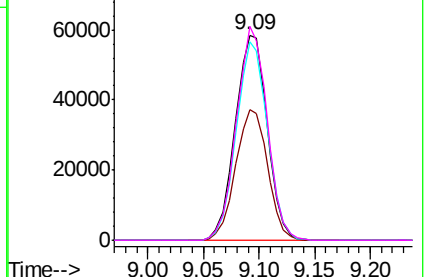
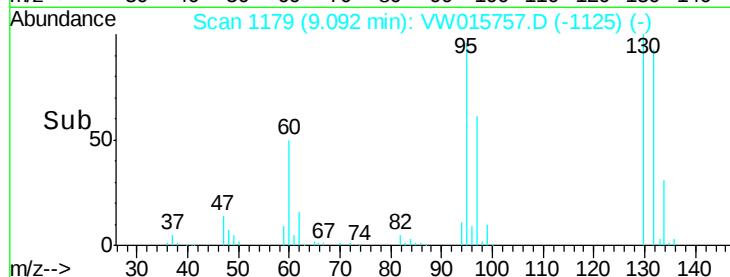


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.033 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

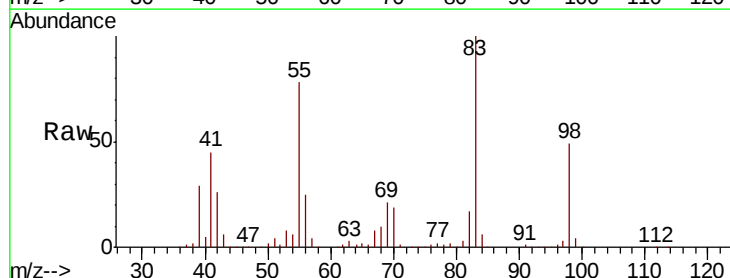
Tgt Ion: 83 Resp: 200580

Ion Ratio Lower Upper

83 100

55 78.2 62.7 94.1

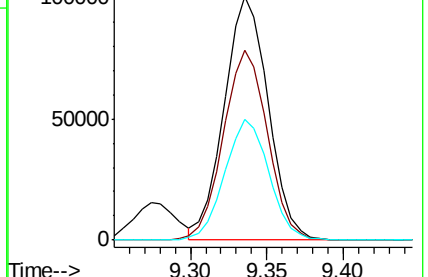
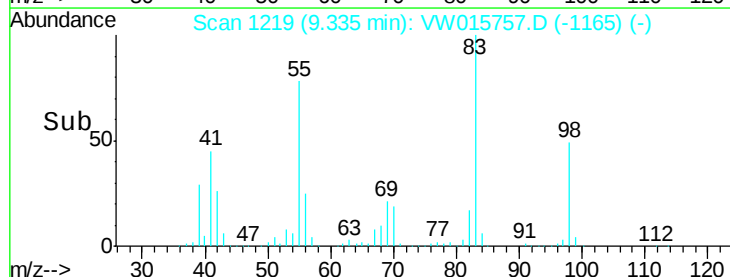
98 49.6 39.4 59.2

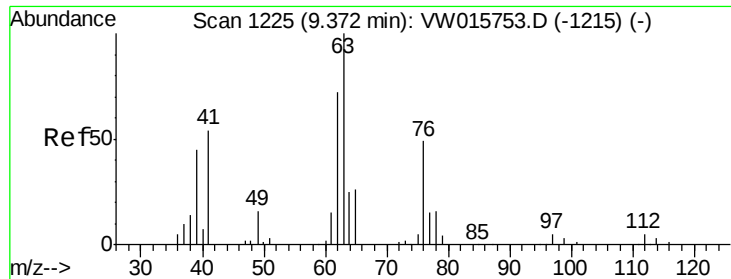


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

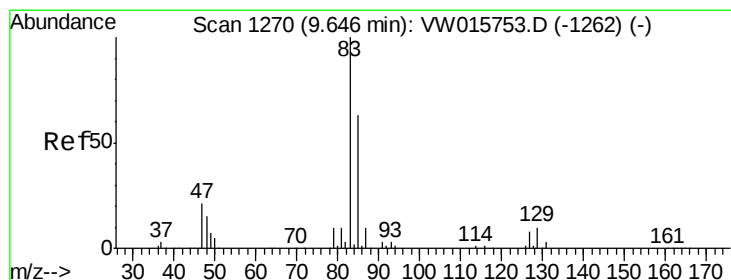
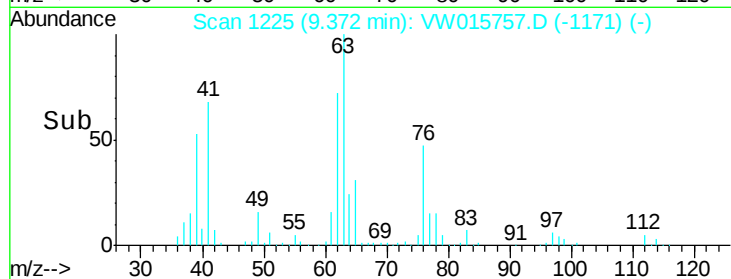
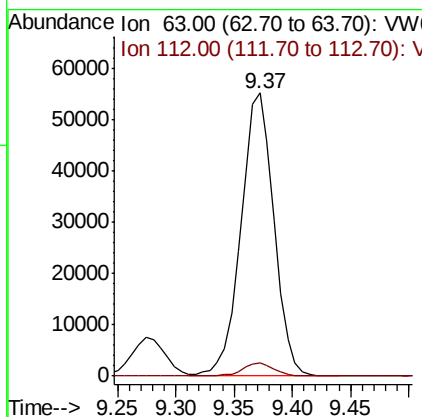
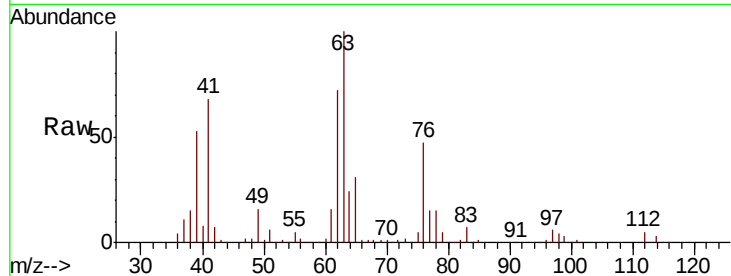




#40
 1,2-Dichloropropane
 Concen: 26.742 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

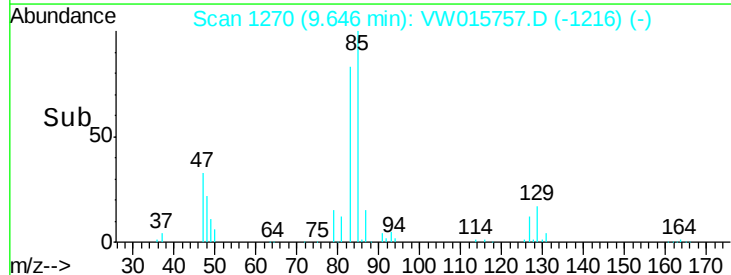
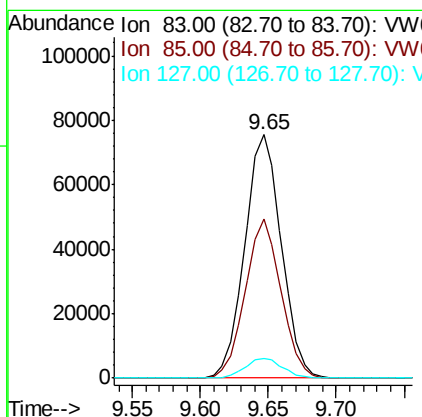
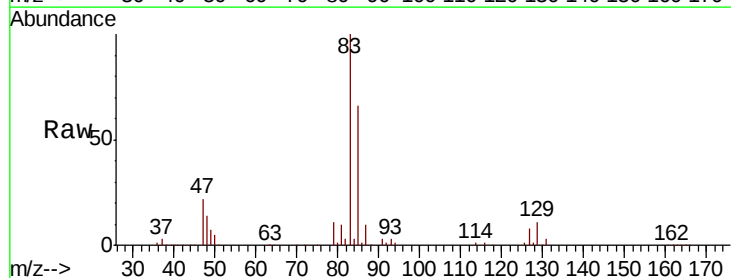
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

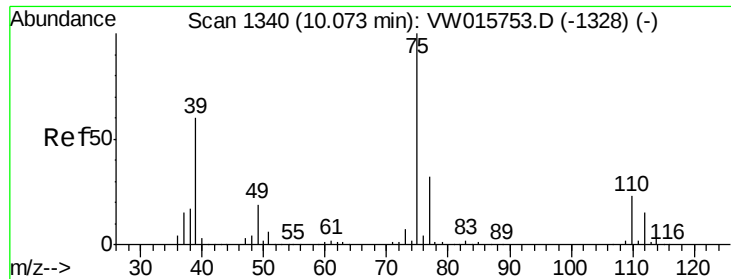
Tot Ion: 63 Resp: 109034
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.809 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion: 83 Resp: 142022
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.1 81.9
 127 7.9 6.6 10.0

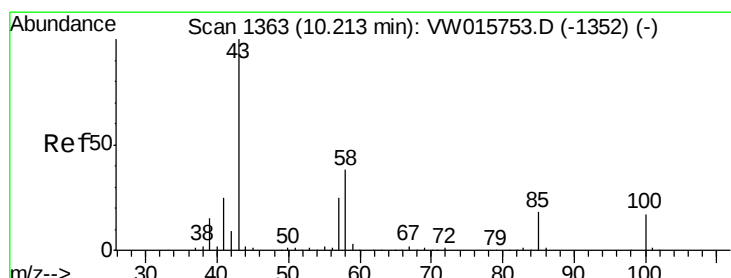
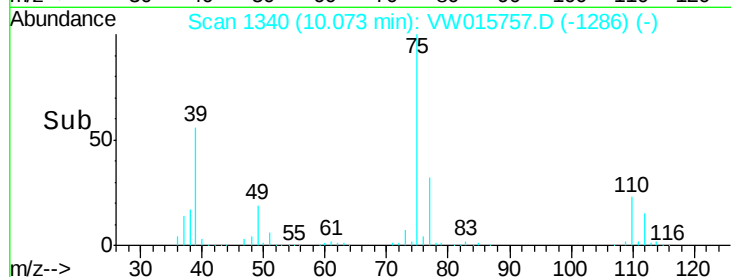
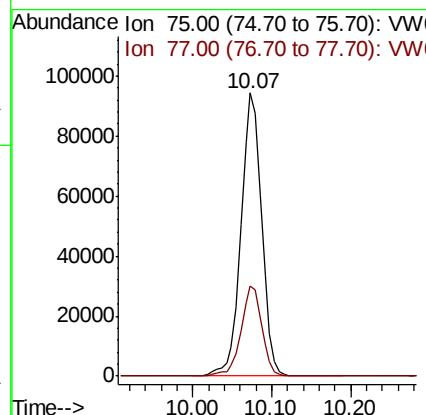
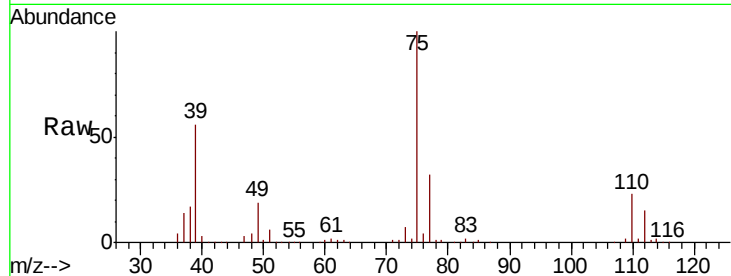




#42
 cis-1,3-Dichloropropene
 Concen: 27.127 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

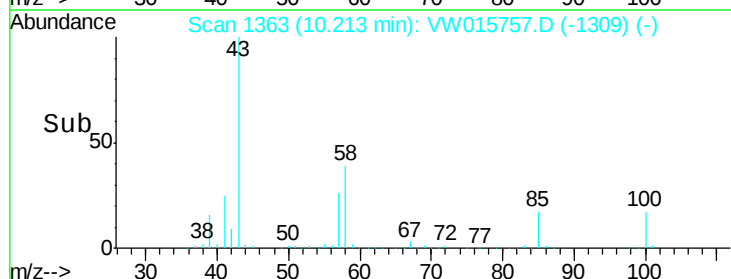
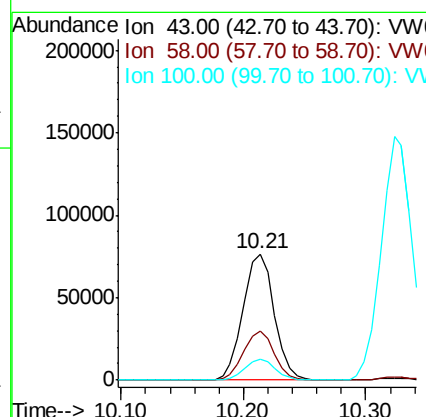
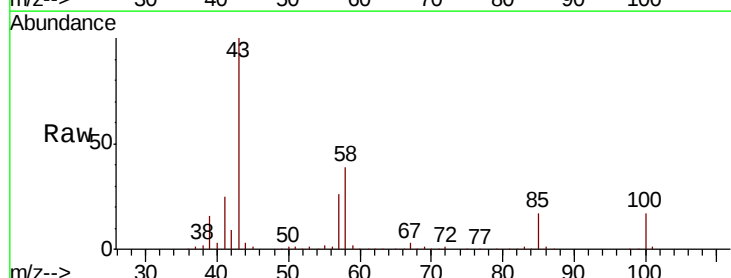
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02516

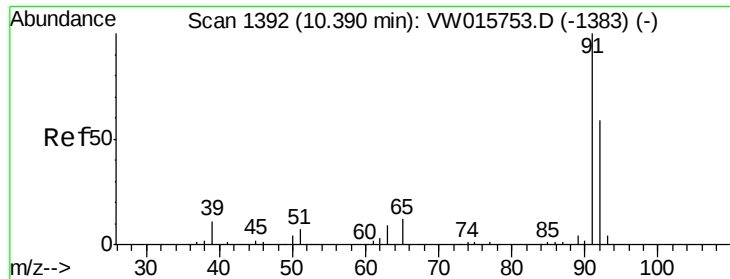
Tot Ion: 75 Resp: 172657
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 57.031 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion: 43 Resp: 135667
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.3 45.5
 100 16.0 12.8 19.2





#44

Toluene

Concen: 26.968 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

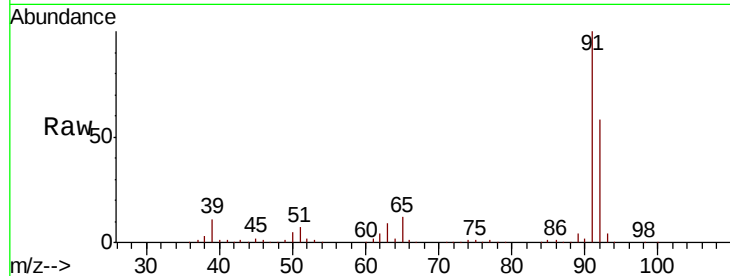
VSTD02516

Tot Ion: 91 Resp: 490809

Ion Ratio Lower Upper

91 100

92 57.9 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

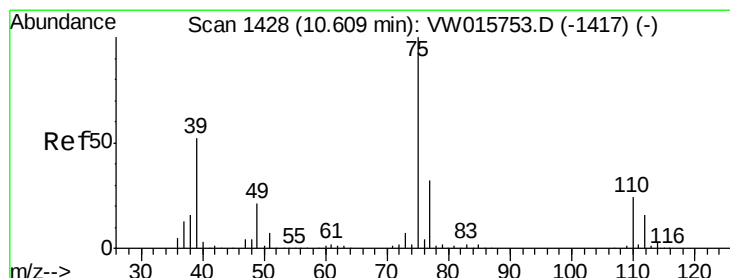
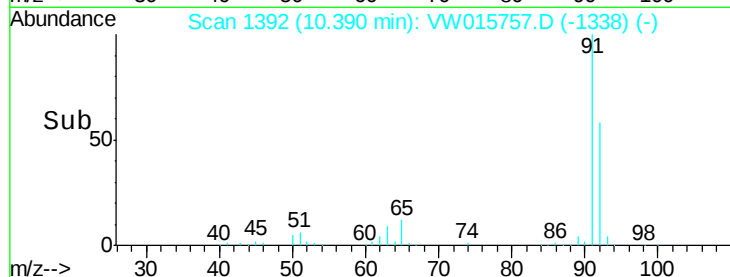
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.920 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015757.D

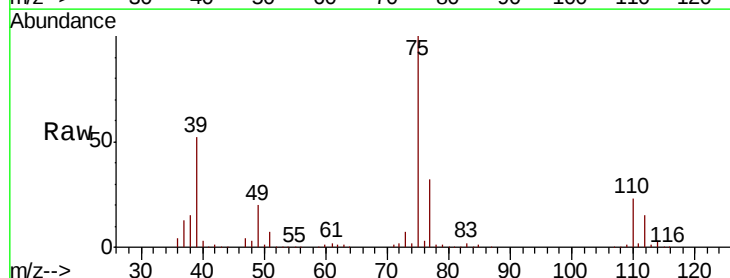
Acq: 29 Jun 2020 12:11

Tgt Ion: 75 Resp: 154669

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

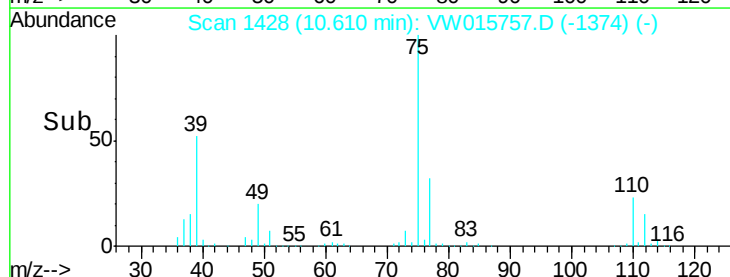
60000

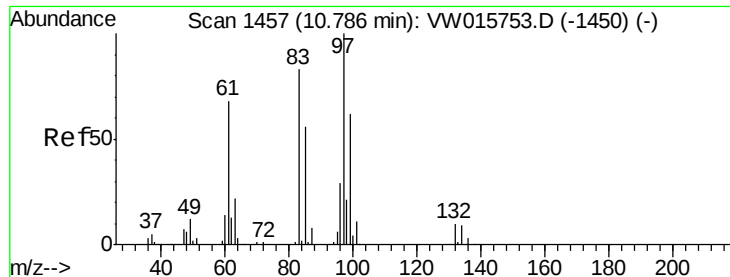
40000

20000

0

Time-->

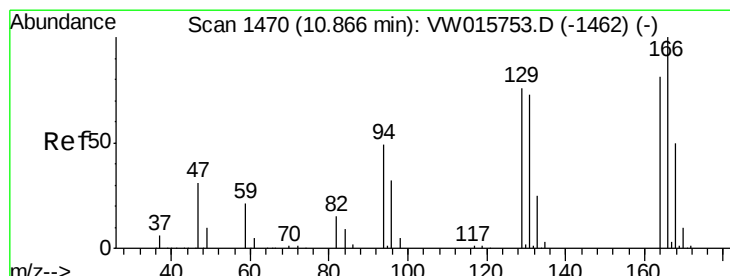
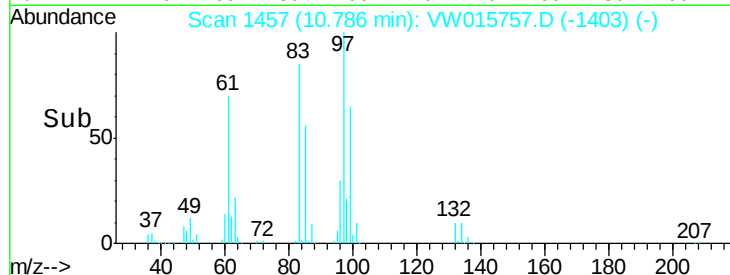
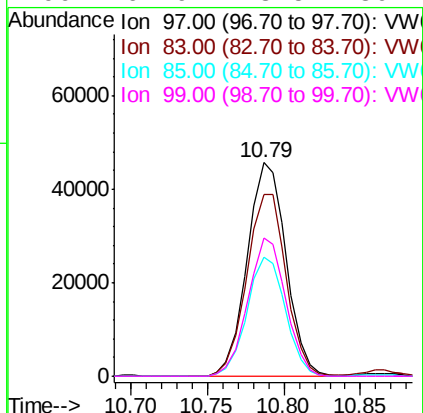
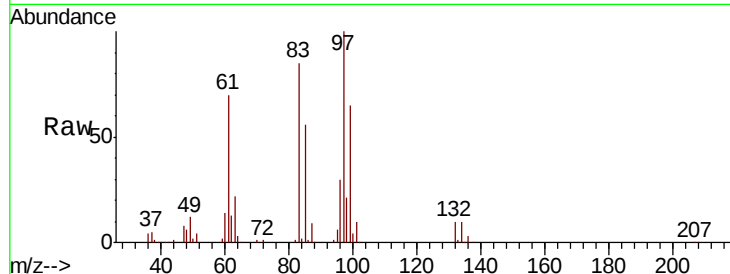




#46
 1,1,2-Trichloroethane
 Concen: 27.465 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

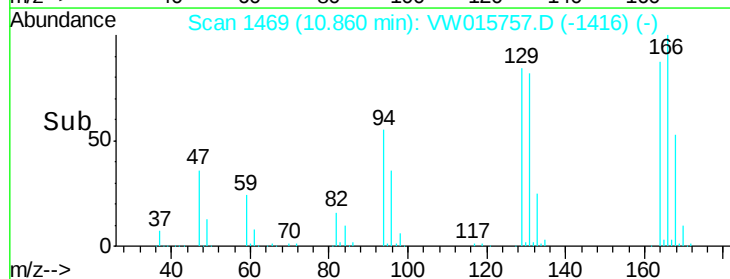
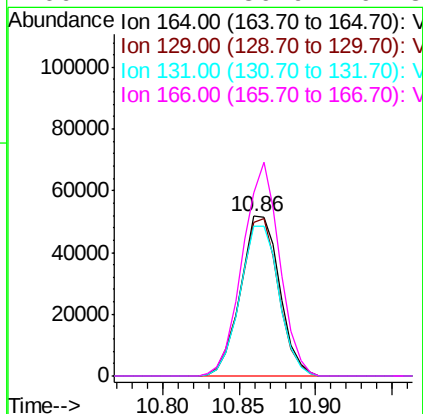
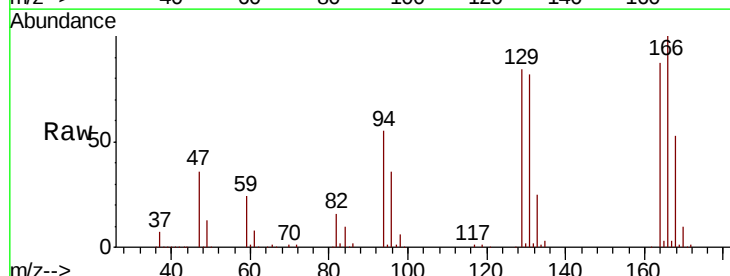
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

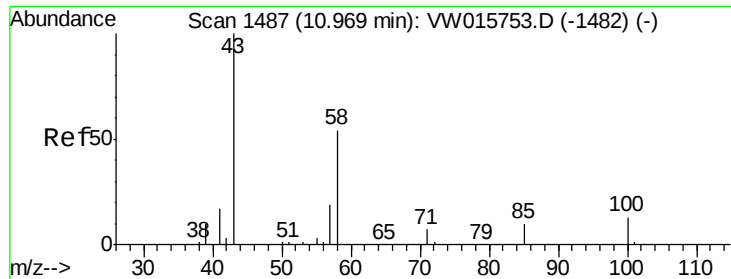
Tot Ion:	97	Resp:	80841
Ion	Ratio	Lower	Upper
97	100		
83	85.1	58.4	108.4
85	55.6	39.2	72.8
99	64.9	43.5	80.7



#47
 Tetrachloroethene
 Concen: 25.646 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion:	164	Resp:	92062
Ion	Ratio	Lower	Upper
164	100		
129	96.4	66.1	122.8
131	94.0	63.6	118.0
166	114.7	86.9	161.3





#49

2-Hexanone

Concen: 56.771 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 43 Resp: 95131

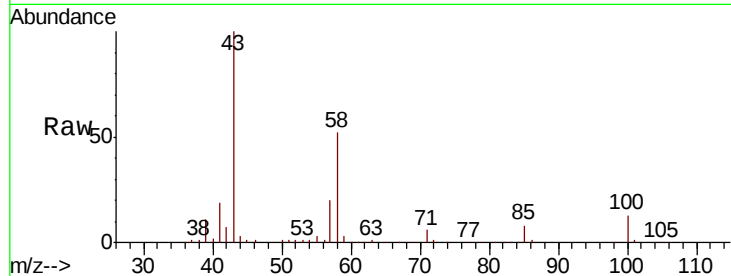
Ion Ratio Lower Upper

43 100

58 53.7 43.5 65.3

57 19.4 15.4 23.0

100 12.6 10.0 15.0

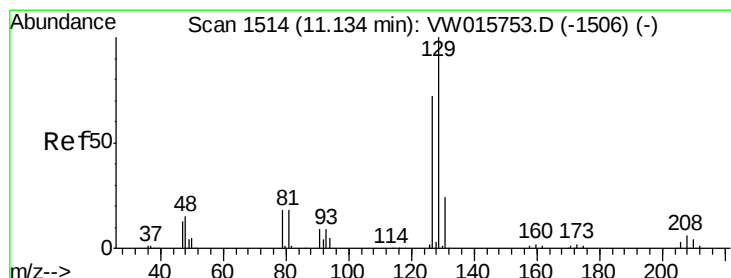
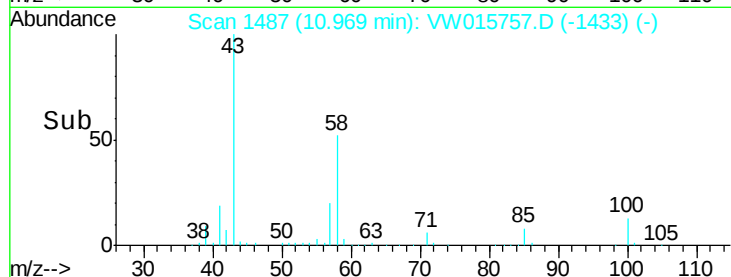
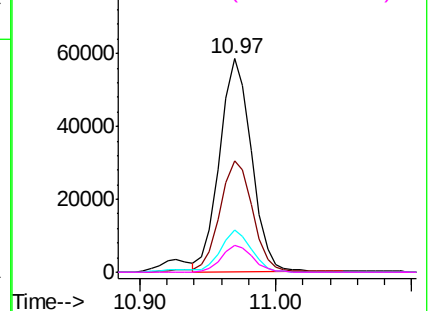


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.745 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015757.D

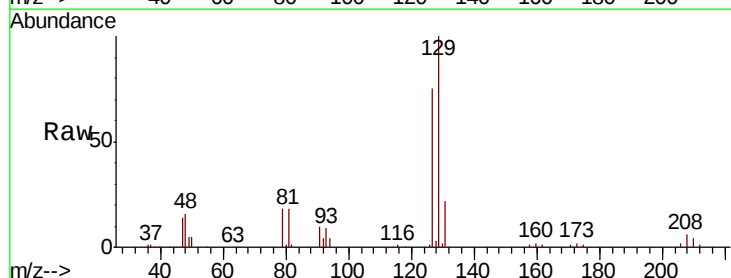
Acq: 29 Jun 2020 12:11

Tgt Ion: 129 Resp: 95594

Ion Ratio Lower Upper

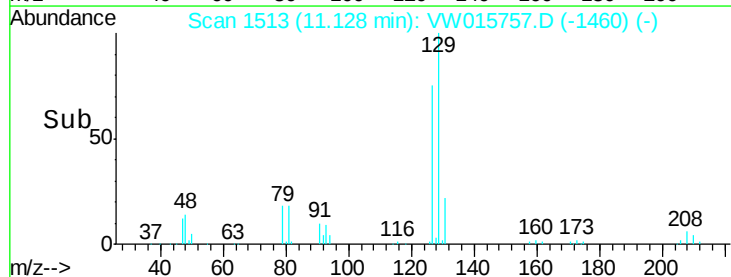
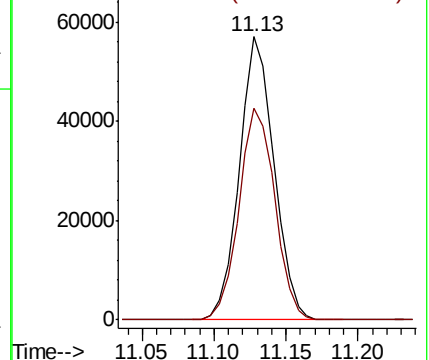
129 100

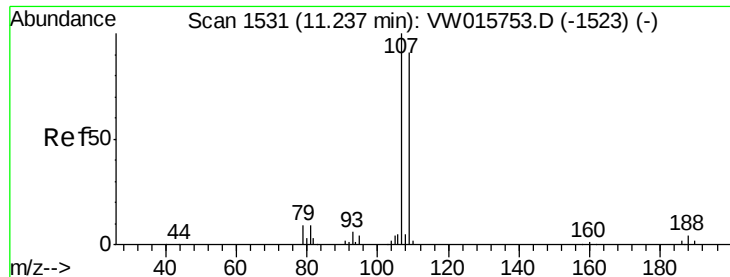
127 74.9 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

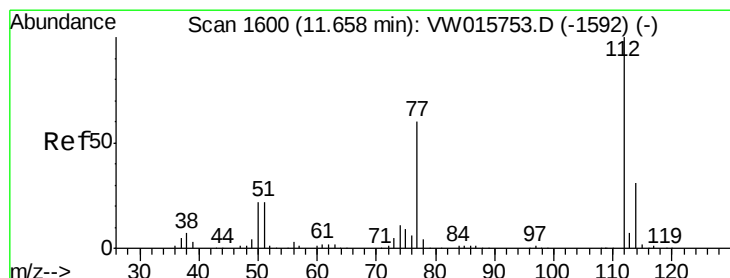
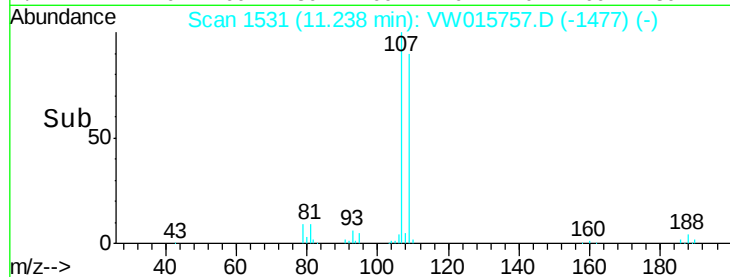
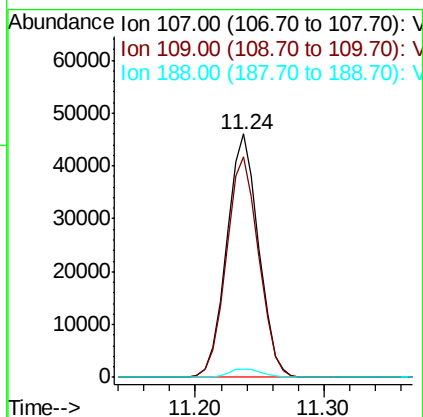
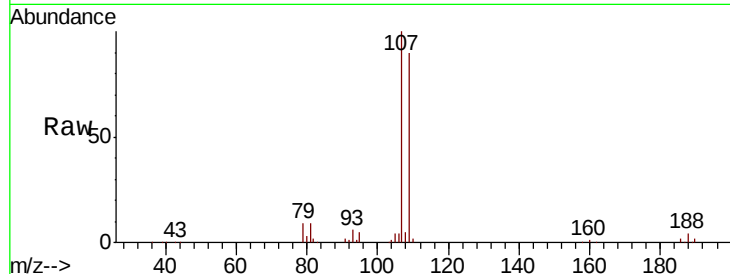




#51
 1,2-Dibromoethane
 Concen: 27.901 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

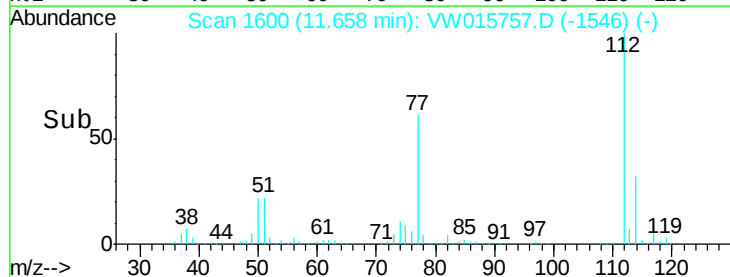
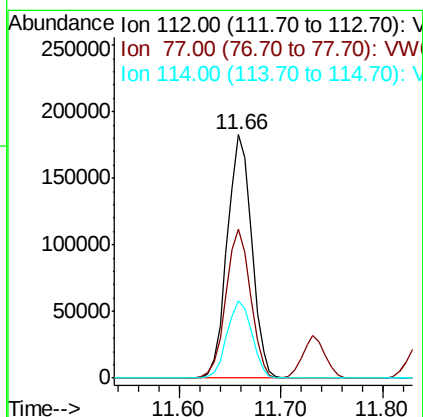
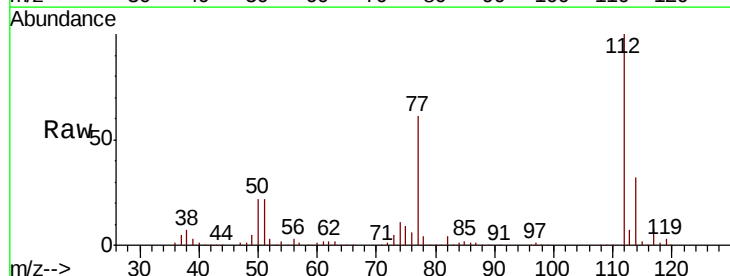
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

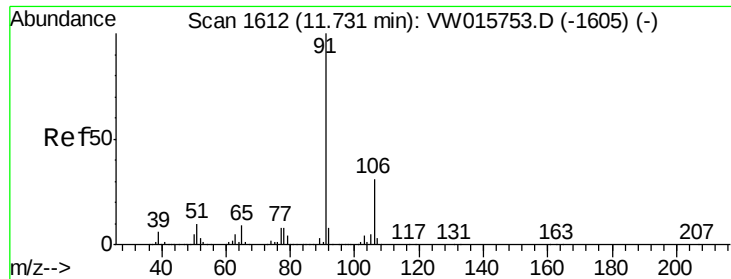
Tot Ion:107 Resp: 79605
 Ion Ratio Lower Upper
 107 100
 109 90.4 64.0 118.8
 188 3.6 3.1 4.7



#52
 Chlorobenzene
 Concen: 26.429 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion:112 Resp: 302327
 Ion Ratio Lower Upper
 112 100
 77 61.1 48.4 72.6
 114 31.8 21.8 40.4

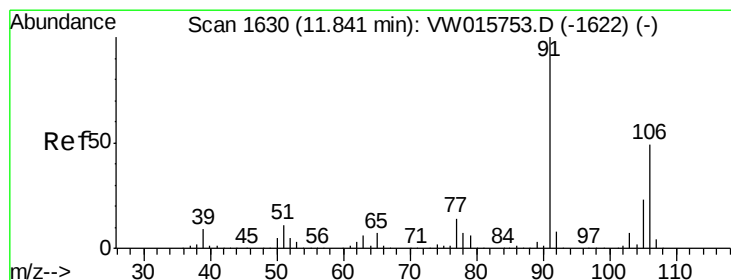
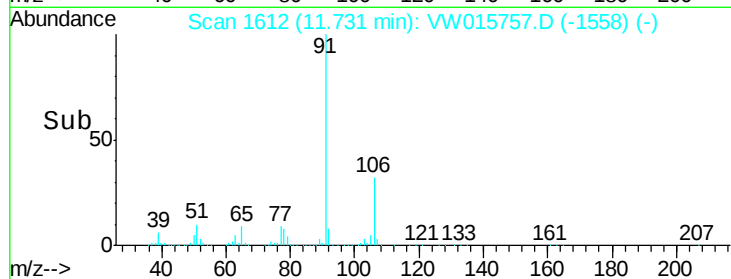
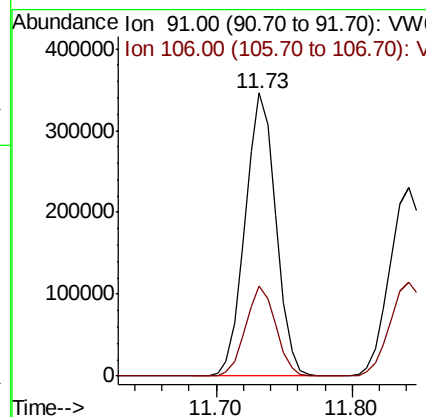
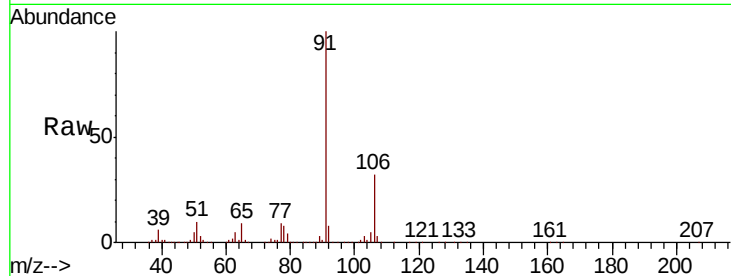




#53
Ethylbenzene
Concen: 26.617 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

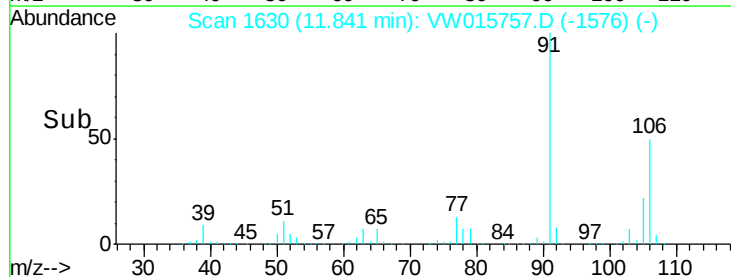
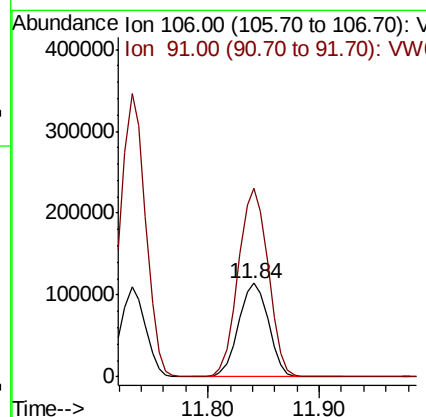
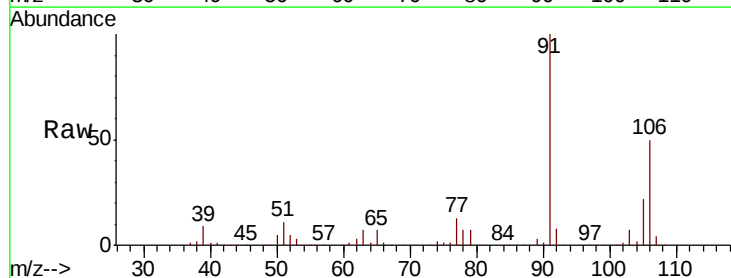
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

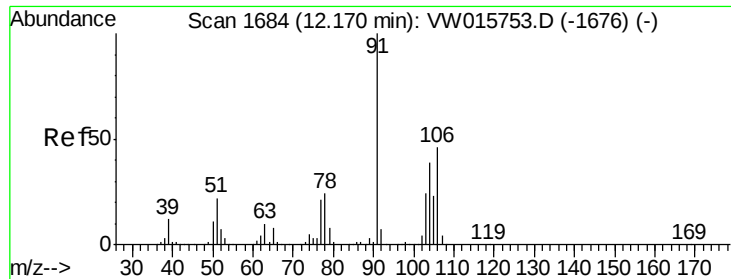
Tot Ion: 91 Resp: 547710
Ion Ratio Lower Upper
91 100
106 31.7 21.4 39.8



#54
m,p-Xylene
Concen: 27.619 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion: 106 Resp: 212428
Ion Ratio Lower Upper
106 100
91 201.7 141.5 262.9

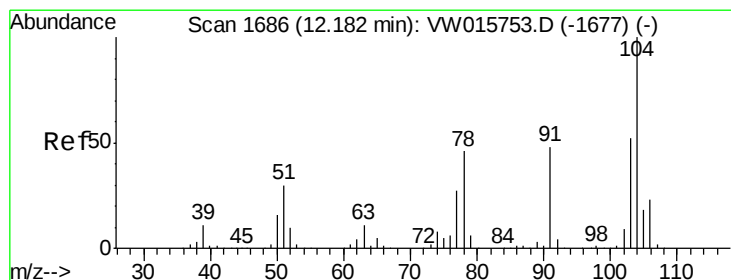
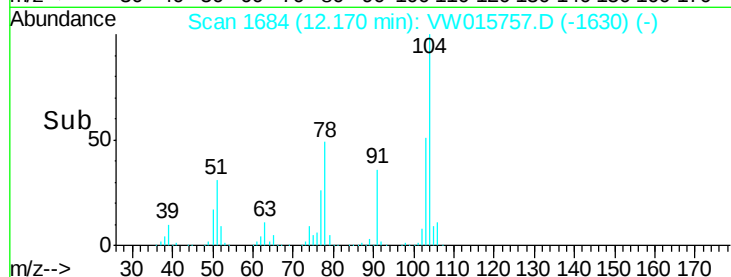
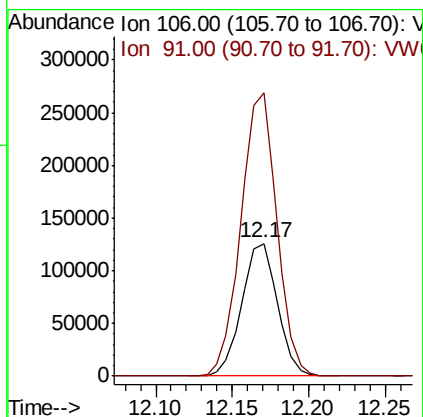
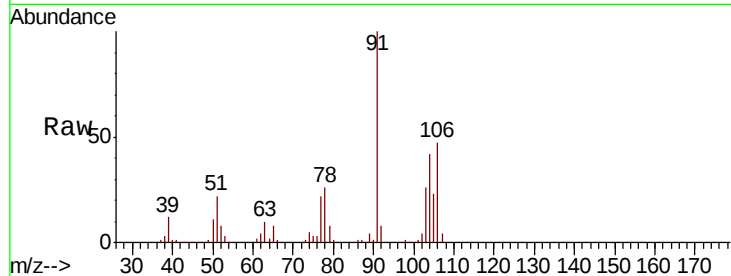




#55
o-xylene
Concen: 27.757 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

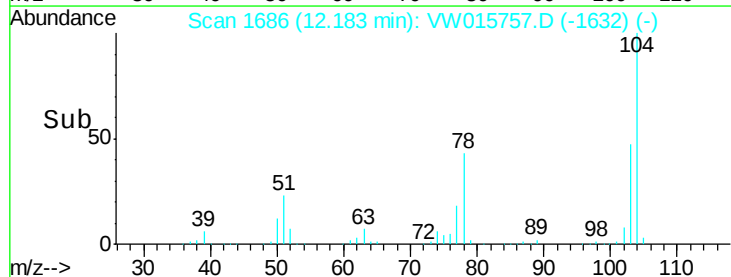
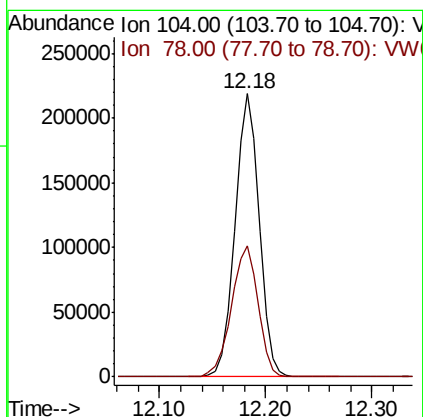
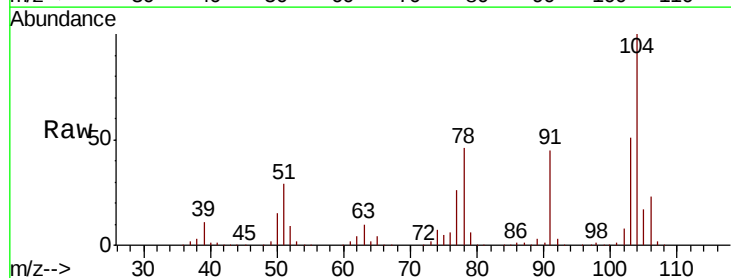
Instrument :
MSVOA_W
ClientSampled :
VSTD02516

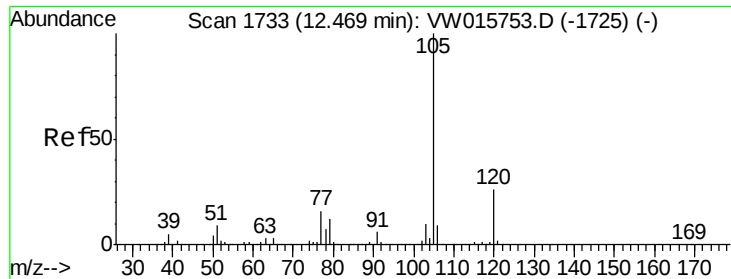
Tot Ion:106 Resp: 204034
Ion Ratio Lower Upper
106 100
91 213.3 151.3 280.9



#56
Styrene
Concen: 27.918 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015757.D
Acq: 29 Jun 2020 12:11

Tgt Ion:104 Resp: 348355
Ion Ratio Lower Upper
104 100
78 46.5 32.4 60.2





#57

Isopropylbenzene

Concen: 26.942 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

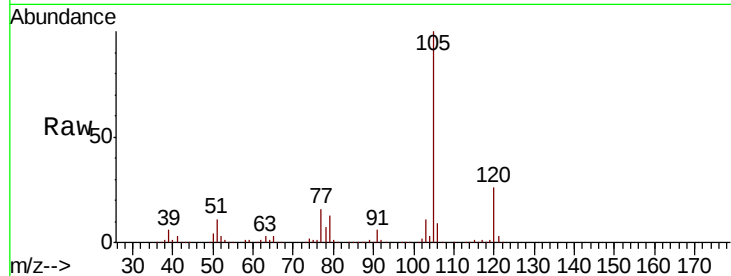
Tot Ion:105 Resp: 547033

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

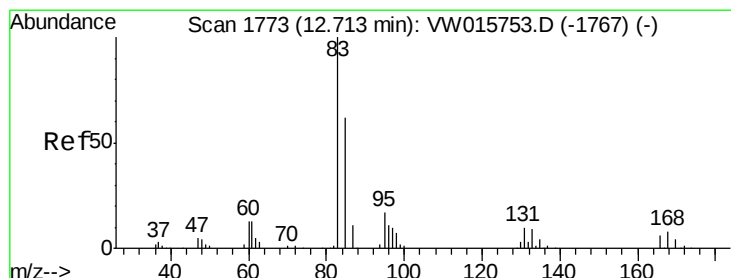
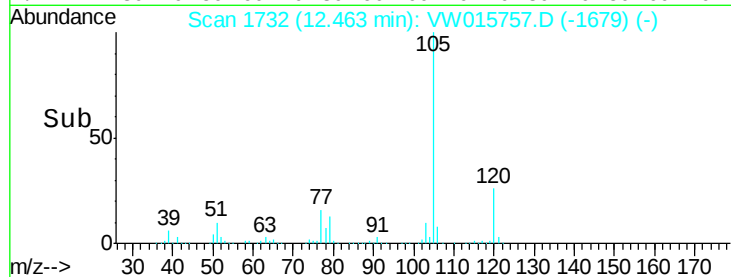
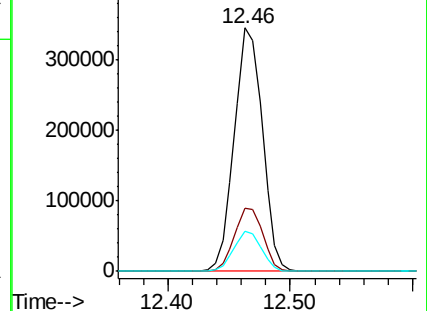
77 16.2 12.9 19.3



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: 28.155 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

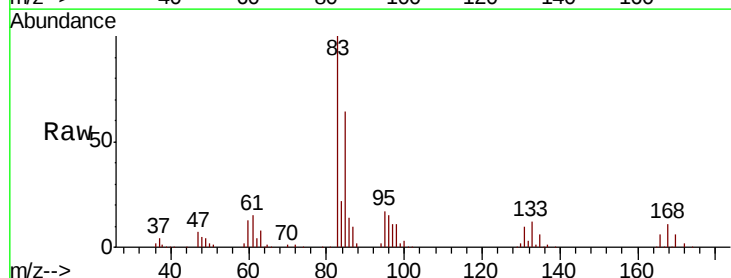
Tgt Ion: 83 Resp: 98615

Ion Ratio Lower Upper

83 100

85 64.1 43.5 80.9

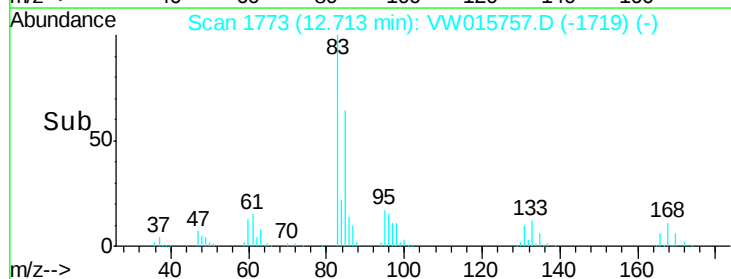
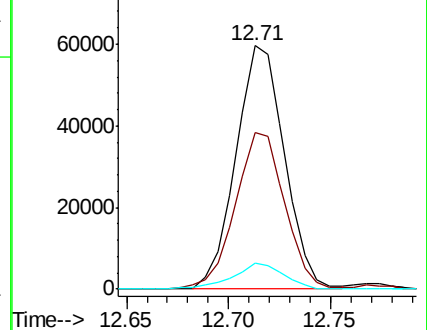
131 10.5 8.2 12.4

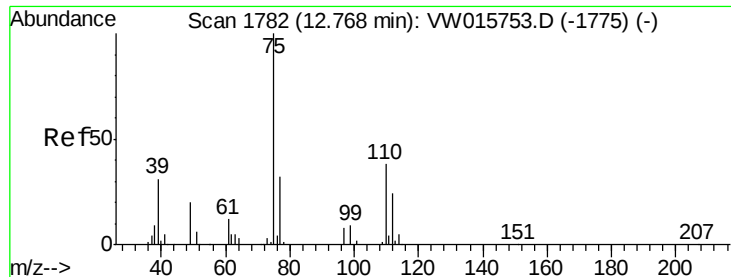


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.284 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

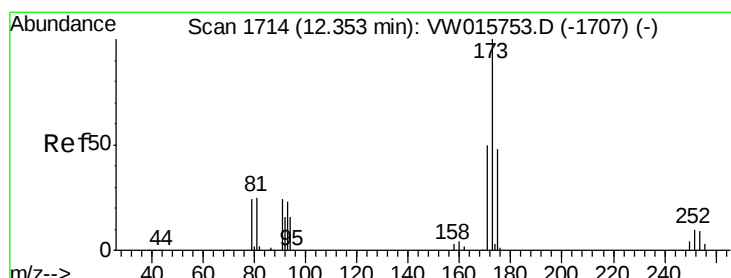
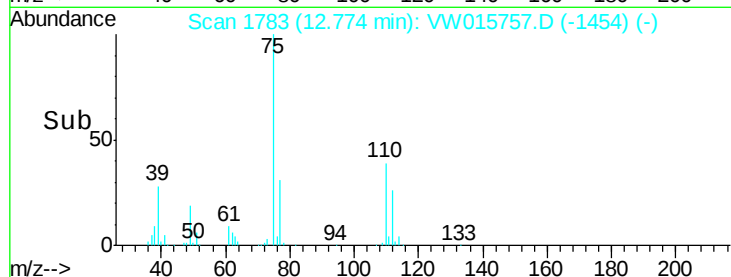
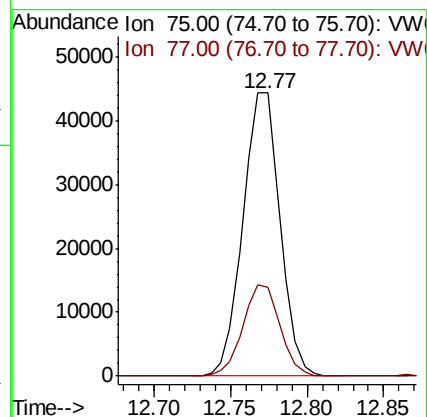
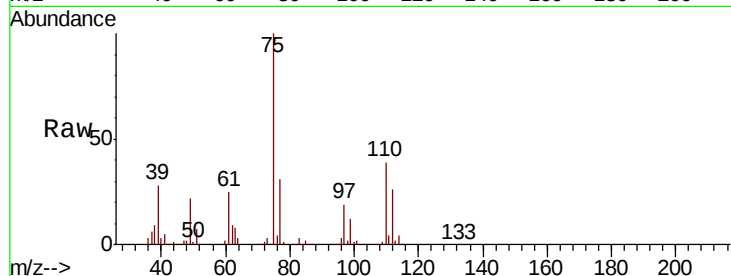
VSTD02516

Tot Ion: 75 Resp: 74817

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



#62

Bromoform

Concen: 27.134 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

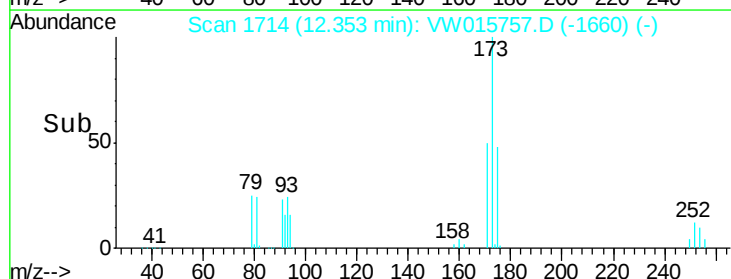
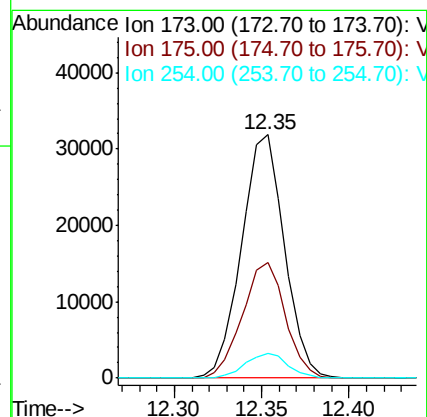
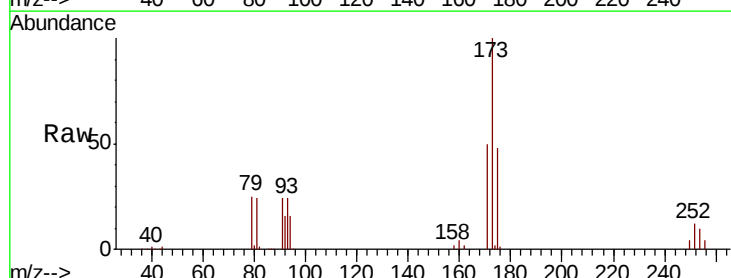
Tgt Ion: 173 Resp: 54343

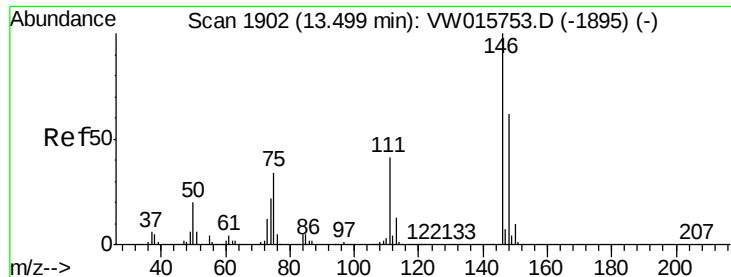
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.2

254 10.2 8.2 12.2

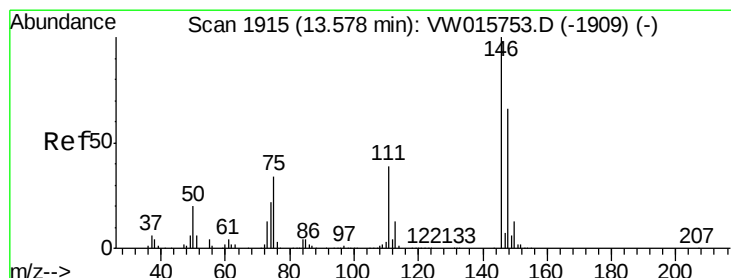
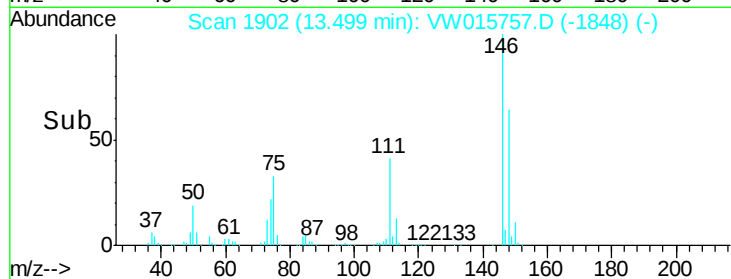
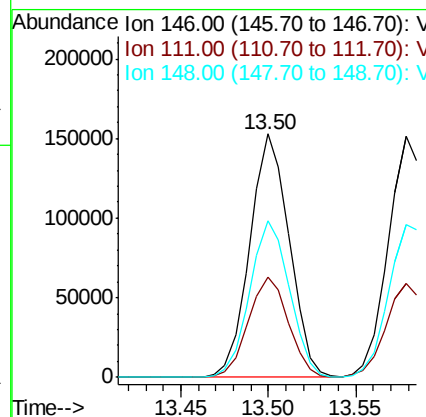
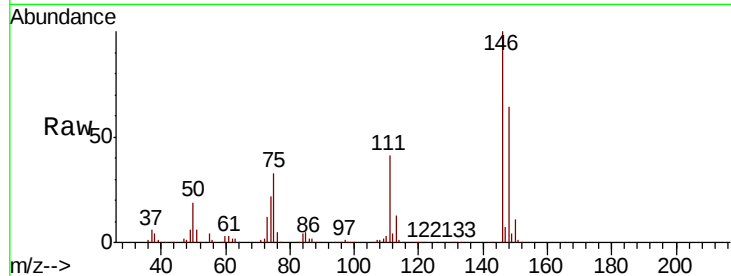




#63
 1,3-Dichlorobenzene
 Concen: 25.901 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

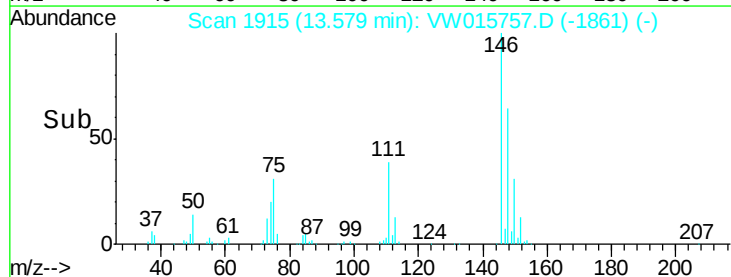
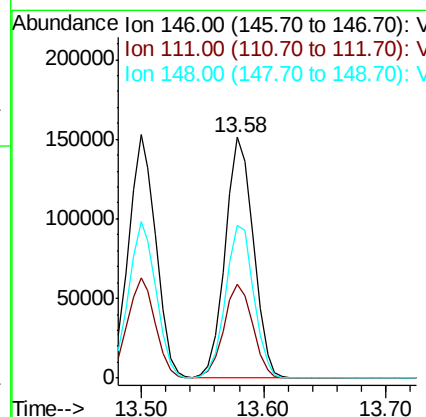
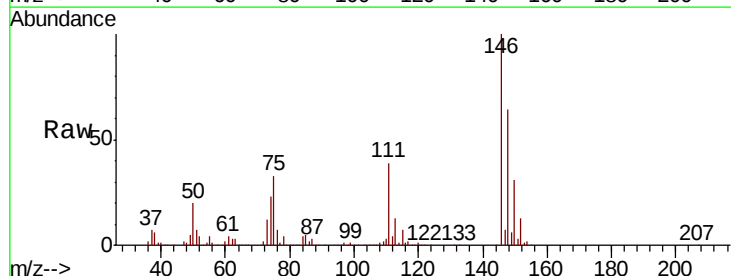
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

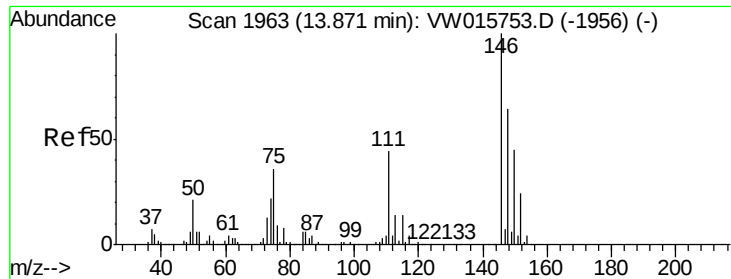
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.8	53.6
148	64.1	43.6	81.0



#64
 1,4-Dichlorobenzene
 Concen: 26.128 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.8	51.6
148	63.6	46.0	85.4

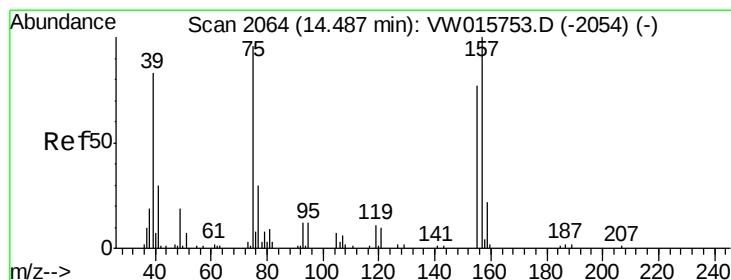
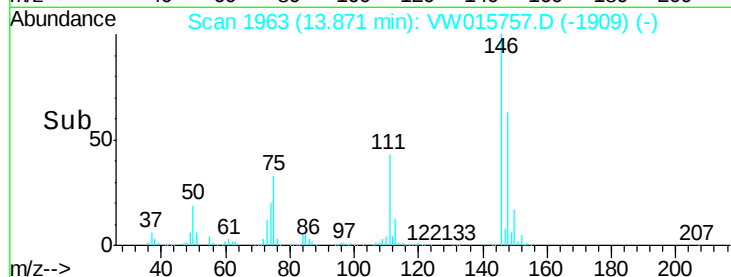
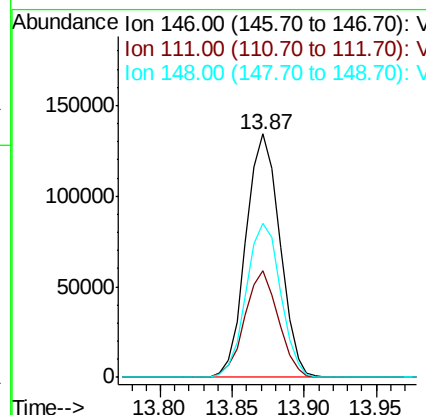
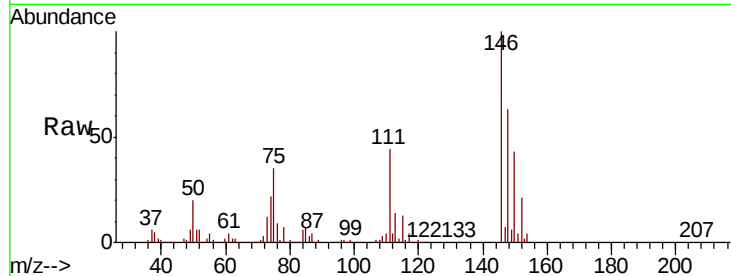




#65
 1,2-Dichlorobenzene
 Concen: 26.803 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

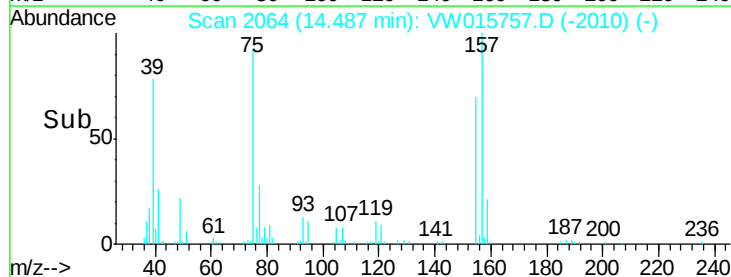
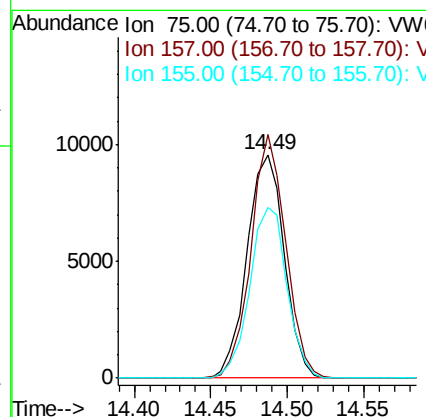
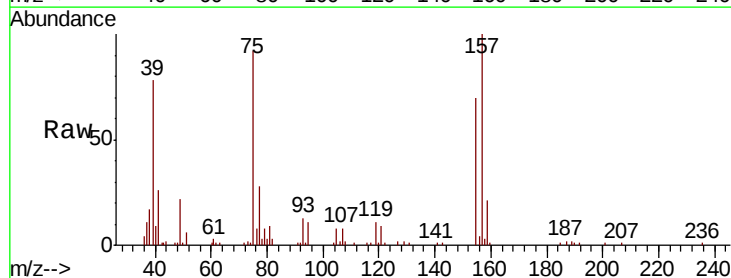
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

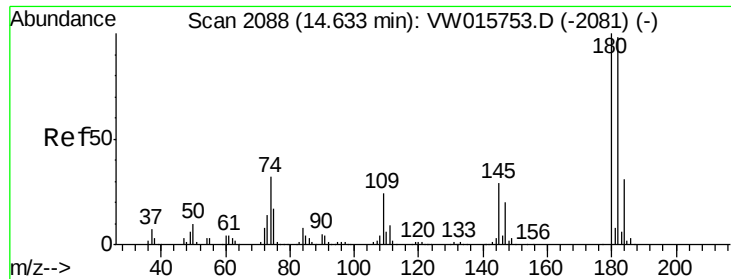
Tot Ion	146	Resp	219476
Ion Ratio	Lower	Upper	
146	100		
111	43.7	35.5	53.3
148	63.2	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.573 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion	75	Resp	16171
Ion Ratio	Lower	Upper	
75	100		
157	108.9	83.2	124.8
155	76.0	64.2	96.4

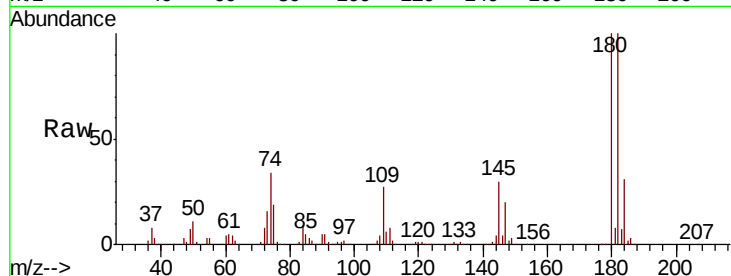




#67
 1,3,5-Trichlorobenzene
 Concen: 26.506 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.5	24.2	36.2
145	29.9	23.8	35.6



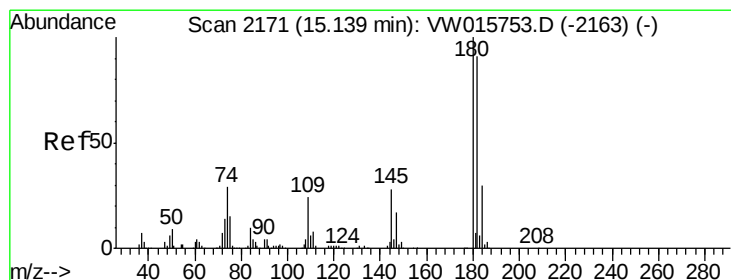
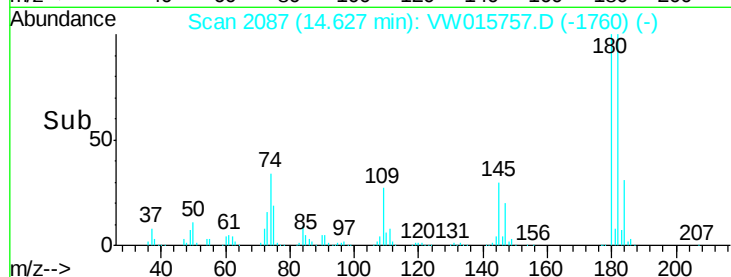
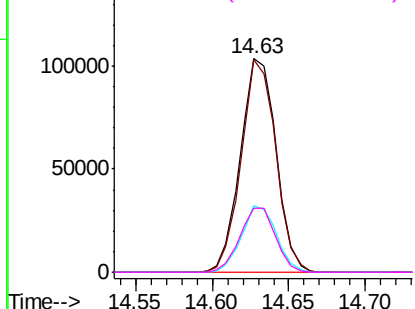
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

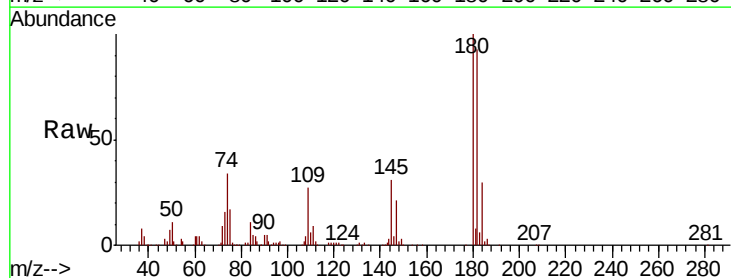
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.264 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015757.D
 Acq: 29 Jun 2020 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
145	30.2	24.6	37.0

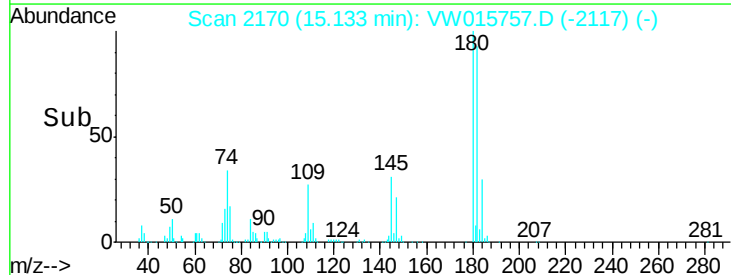
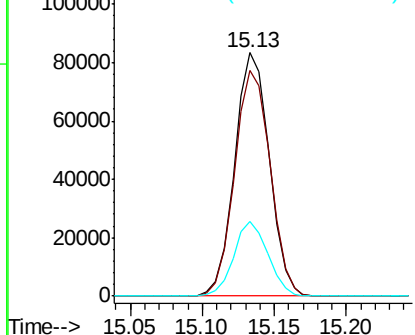


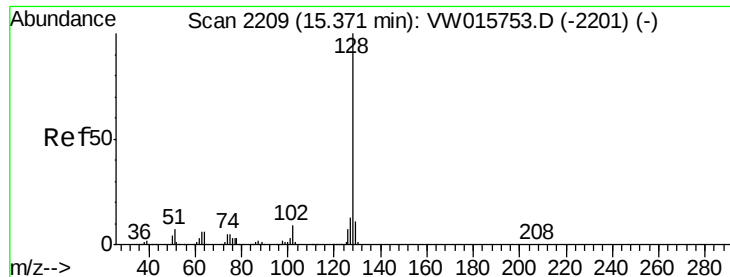
Abundance

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: 29.176 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

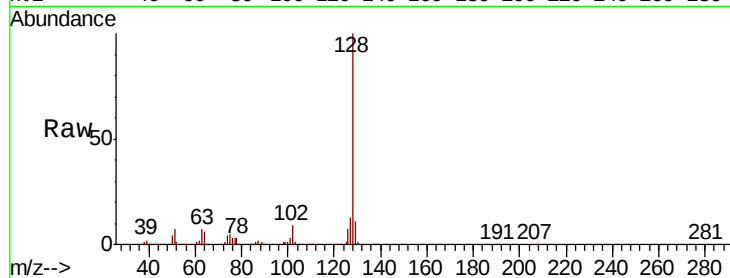
Tot Ion:128 Resp: 273559

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

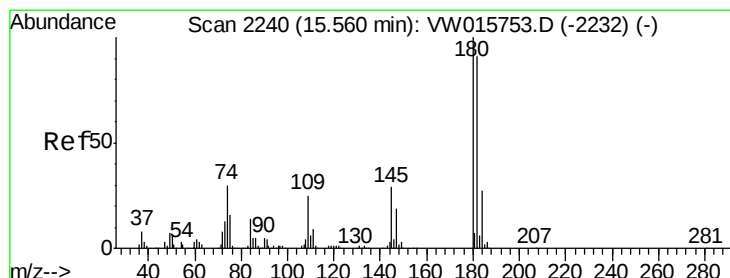
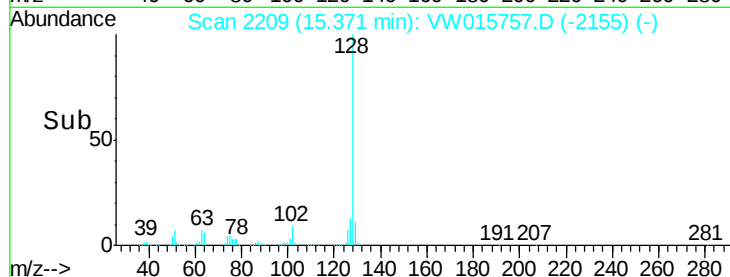
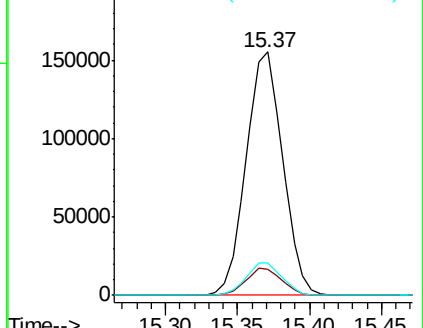
127 13.2 10.6 16.0



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: 27.527 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015757.D

Acq: 29 Jun 2020 12:11

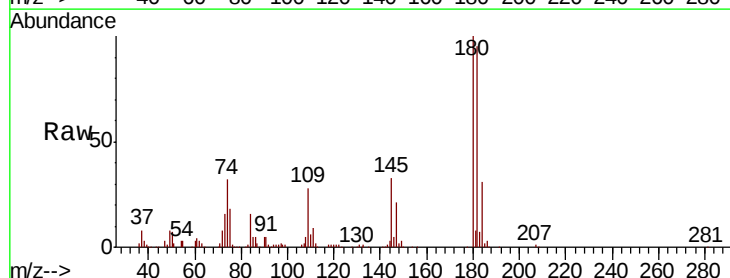
Tgt Ion:180 Resp: 121961

Ion Ratio Lower Upper

180 100

182 96.2 75.5 113.3

145 33.5 25.4 38.0



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

