

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017916.D
 Acq On : 15 Jan 2021 22:28
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Jan 18 02:11:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385425	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348583	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	179552	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131548	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	2.89	69	121899	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
10) 1,1-Dichloroethene-d2	4.02	63	237325	22.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.36%
20) 2-Butanone-d5	7.10	46	61128	63.24	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.48%
24) Chloroform-d	7.65	84	268084	26.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.48%
26) 1,2-Dichloroethane-d4	8.31	65	145569	27.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.68%
29) Benzene-d6	8.27	84	495765	25.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.00%
33) 1,2-Dichloropropane-d6	9.27	67	144777	26.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.00%
37) Toluene-d8	10.32	98	471924	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	10.58	79	60065	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.60%
39) 2-Hexanone-d5	10.93	63	43391	63.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118405	29.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	164461	26.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	75426	17.725 ug/L	89
3) Chloromethane	2.21	50	89053	23.544 ug/L	100
5) Vinyl chloride	2.35	62	157585	24.627 ug/L	96
6) Bromomethane	2.78	94	102180	21.534 ug/L	99
8) Chloroethane	2.92	64	107782	26.866 ug/L	98
9) Trichlorofluoromethane	3.25	101	117869	22.451 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122263	24.952 ug/L #	72
12) 1,1-Dichloroethene	4.04	96	115184	24.249 ug/L	94
13) Acetone	4.17	43	36646	43.906 ug/L	72
14) Carbon disulfide	4.39	76	290179	20.458 ug/L	99
15) Methyl Acetate	4.68	43	46070	28.479 ug/L	92
16) Methylene chloride	4.91	84	136042	24.683 ug/L	91
17) Methyl tert-butyl Ether	5.43	73	162675	27.023 ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	125775	24.549 ug/L	98
19) 1,1-Dichloroethane	6.21	63	230066	26.283 ug/L	98
21) 2-Butanone	7.19	43	58594	52.191 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	139494	25.910 ug/L	96

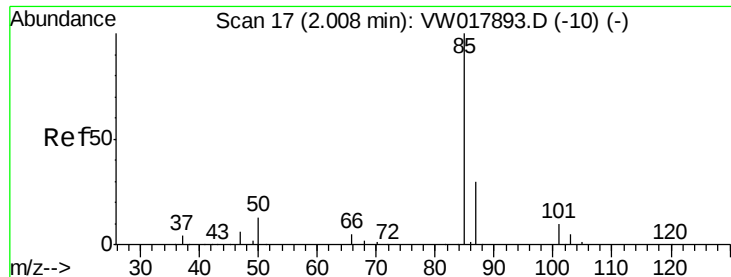
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
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 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 02:07:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	60257	26.421	ug/L	95
25) Chloroform	7.68	83	251092	27.261	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163931	27.515	ug/L	97
30) Cyclohexane	7.95	56	193725	23.348	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198002	24.694	ug/L	96
32) Carbon tetrachloride	8.07	117	189294	25.022	ug/L	100
34) Benzene	8.32	78	518685	26.024	ug/L	100
35) Trichloroethene	9.09	95	141861	25.714	ug/L	95
36) Methylcyclohexane	9.34	83	228682	23.712	ug/L	98
40) 1,2-Dichloropropane	9.37	63	128494	27.309	ug/L	98
41) Bromodichloromethane	9.65	83	177621	27.578	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	200960	26.765	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	140526	61.475	ug/L	98
44) Toluene	10.39	91	575167	25.307	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	169607	26.527	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97469	27.869	ug/L	96
47) Tetrachloroethene	10.86	164	104950	24.332	ug/L	93
49) 2-Hexanone	10.97	43	93714	57.783	ug/L	91
50) Dibromochloromethane	11.13	129	116778	28.125	ug/L	96
51) 1,2-Dibromoethane	11.24	107	92216	27.851	ug/L #	98
52) Chlorobenzene	11.66	112	374184	26.374	ug/L	96
53) Ethylbenzene	11.73	91	657956	25.515	ug/L	95
54) m,p-Xylene	11.84	106	249079	24.692	ug/L	96
55) o-xylene	12.16	106	242483	25.560	ug/L	95
56) Styrene	12.18	104	410460	26.011	ug/L	99
57) Isopropylbenzene	12.46	105	660061	25.131	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	111419	28.543	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	81712	28.476	ug/L	99
62) Bromoform	12.35	173	59844	27.239	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	290352	26.200	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	286660	25.740	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	258240	26.519	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	17290	26.958	ug/L	81
67) 1,3,5-Trichlorobenzene	14.63	180	201867	26.570	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	169640	27.127	ug/L	94
69) Naphthalene	15.36	128	332515	27.922	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	144465	27.357	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 17.725 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

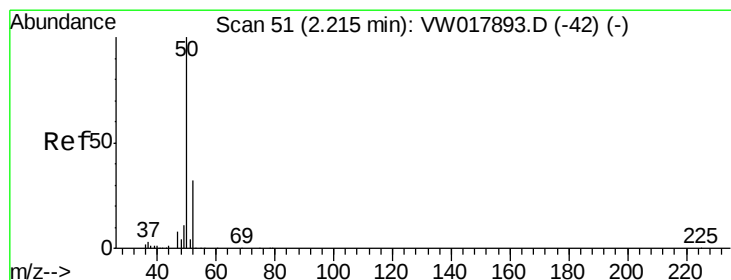
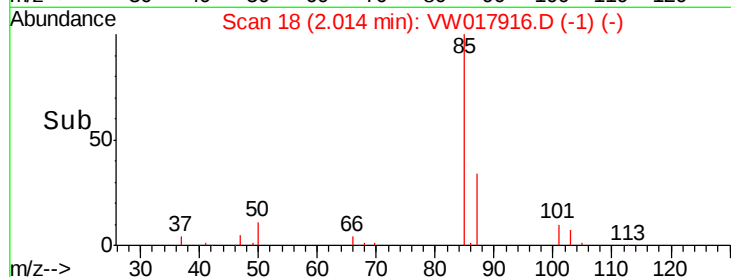
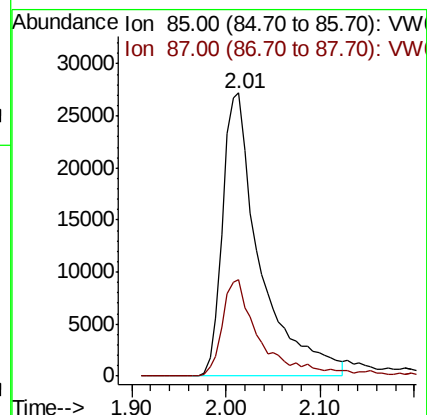
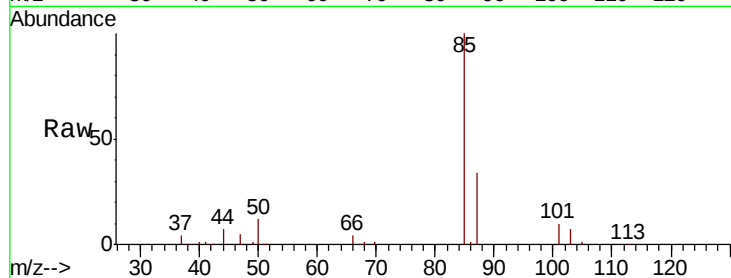
VSTD02522

Tot Ion: 85 Resp: 75426

Ion Ratio Lower Upper

85 100

87 26.9 23.2 43.0



#3

Chloromethane

Concen: 23.544 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017916.D

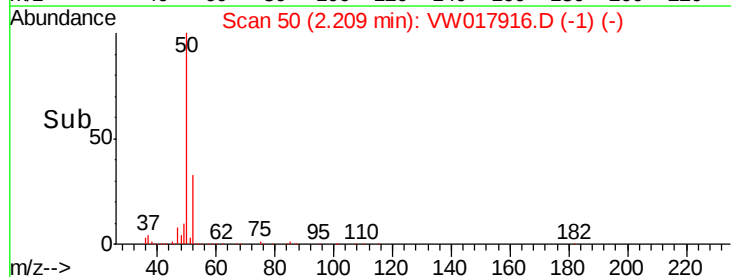
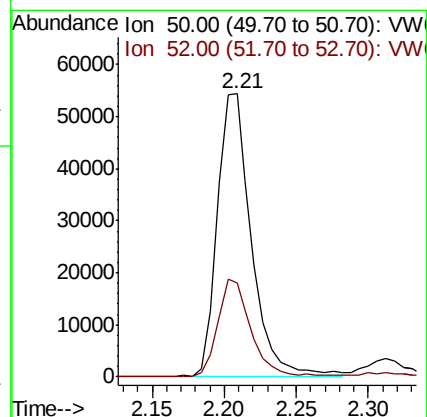
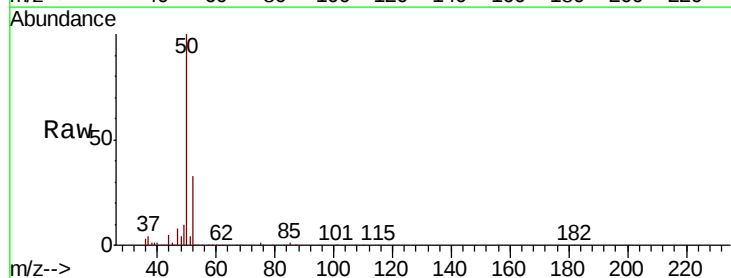
Acq: 15 Jan 2021 22:28

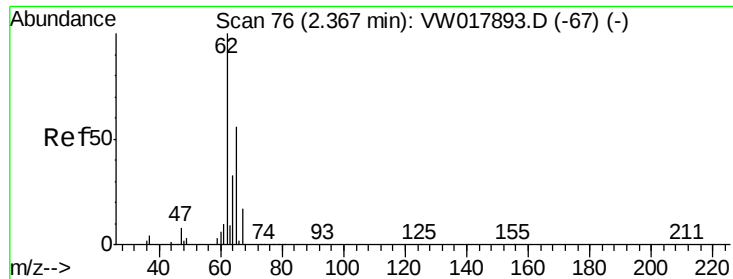
Tgt Ion: 50 Resp: 89053

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.6





#5

Vinyl chloride

Concen: 24.627 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

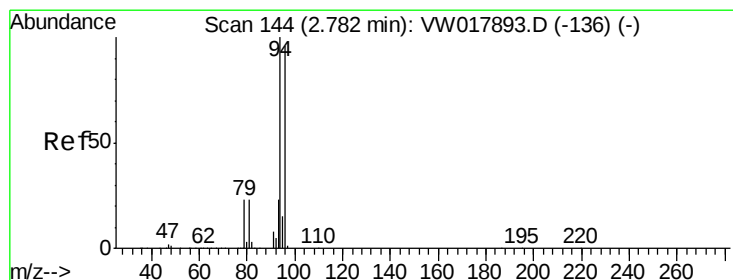
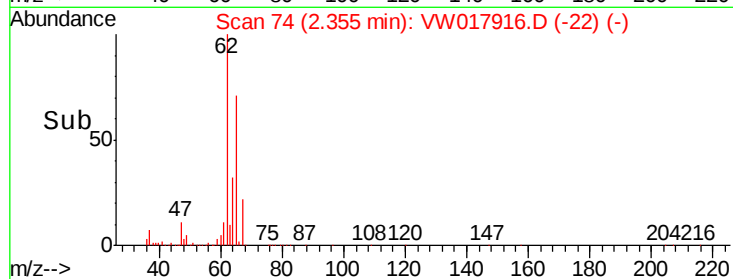
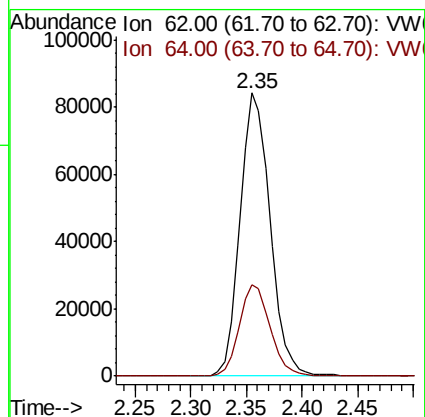
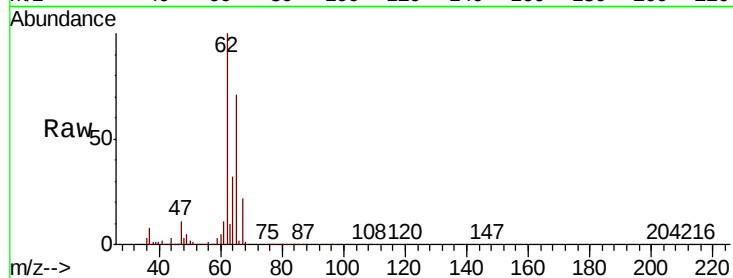
VSTD02522

Tot Ion: 62 Resp: 157585

Ion Ratio Lower Upper

62 100

64 32.1 23.9 44.5



#6

Bromomethane

Concen: 21.534 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017916.D

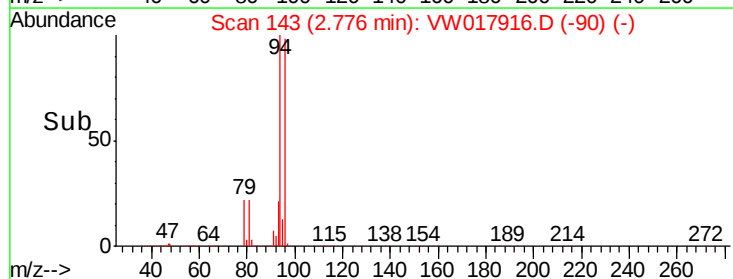
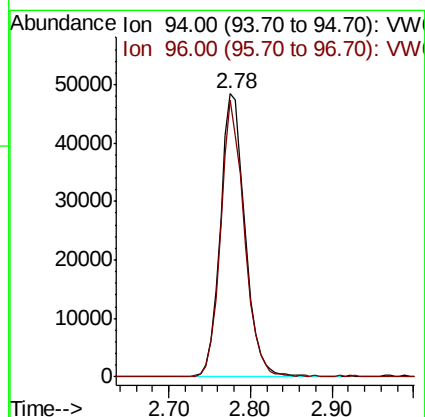
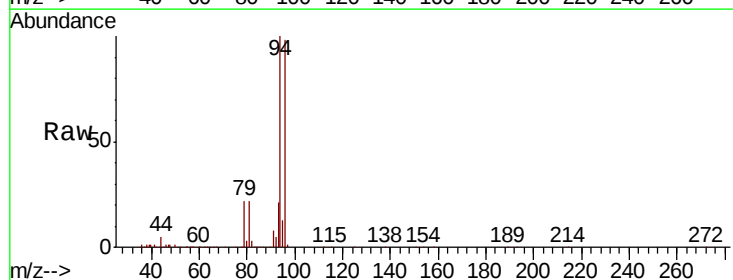
Acq: 15 Jan 2021 22:28

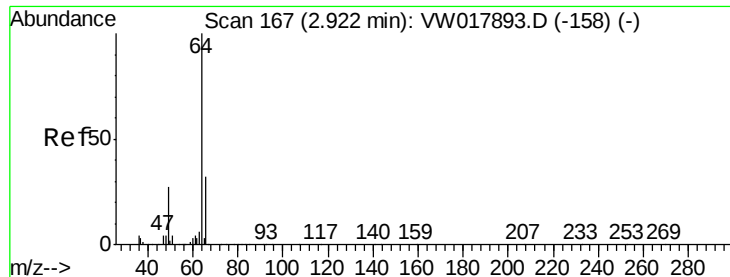
Tgt Ion: 94 Resp: 102180

Ion Ratio Lower Upper

94 100

96 93.0 9.4 178.0

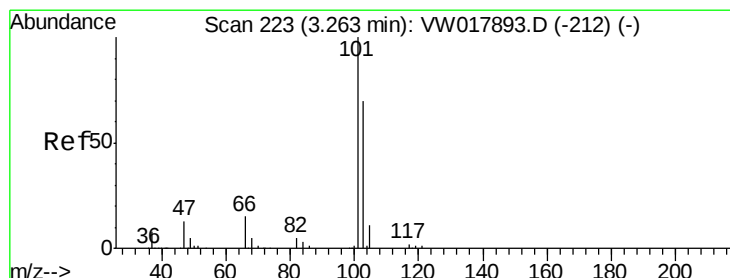
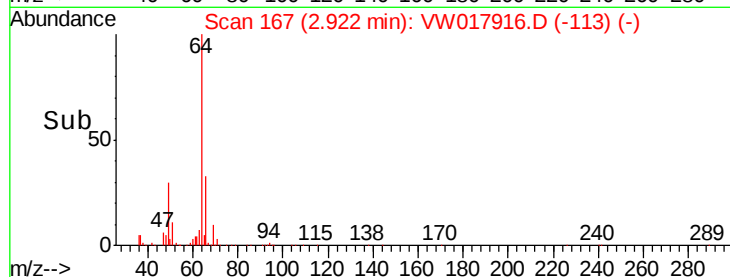
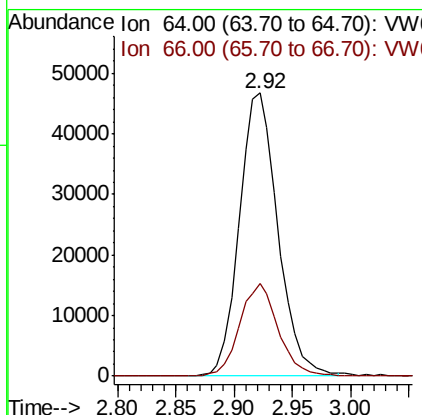
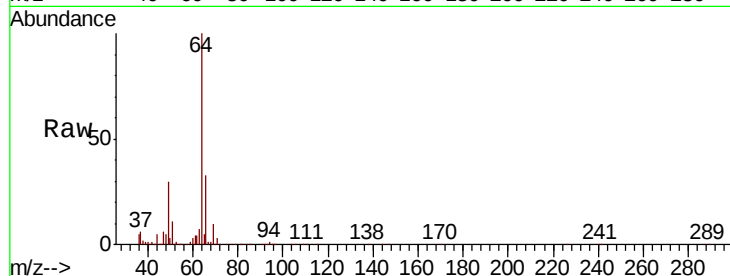




#8
Chloroethane
Concen: 26.866 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

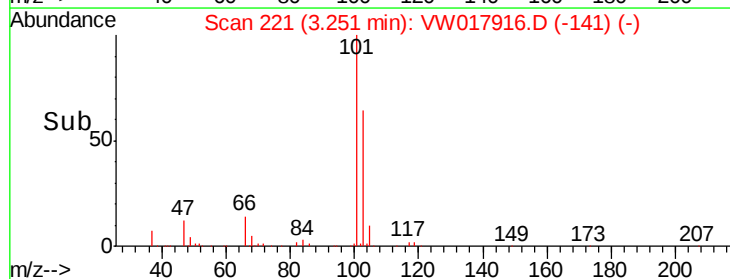
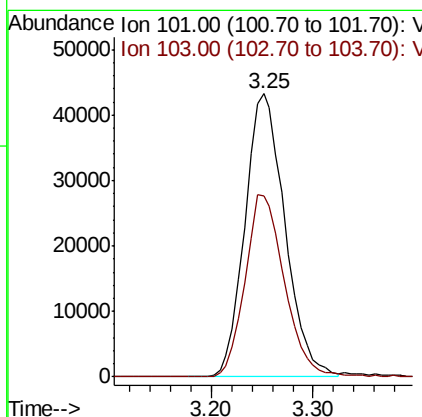
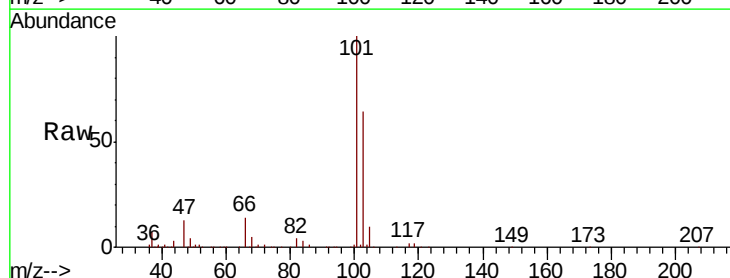
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

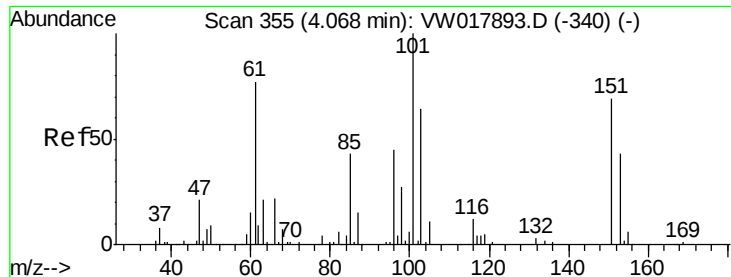
Tot Ion: 64 Resp: 107782
Ion Ratio Lower Upper
64 100
66 32.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.451 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion: 101 Resp: 117869
Ion Ratio Lower Upper
101 100
103 63.1 45.0 83.6





#11

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

Concen: 24.952 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

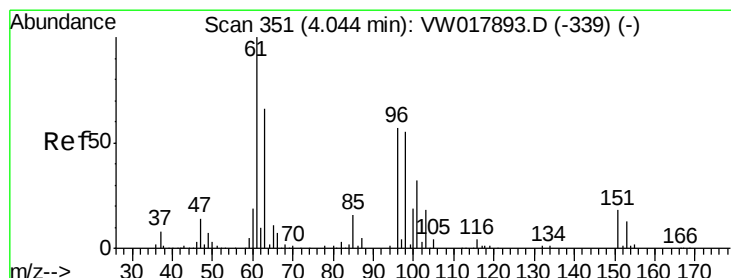
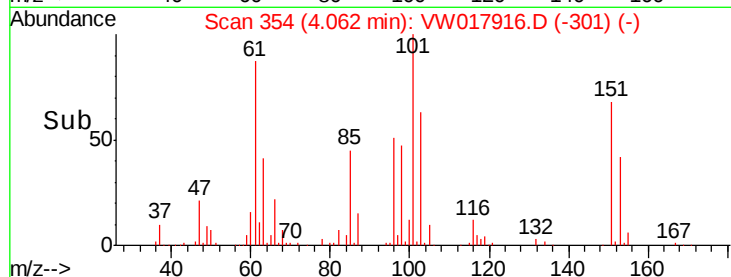
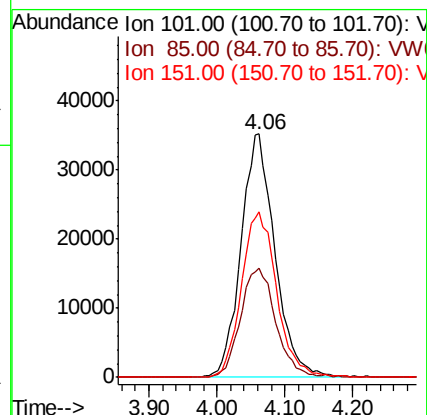
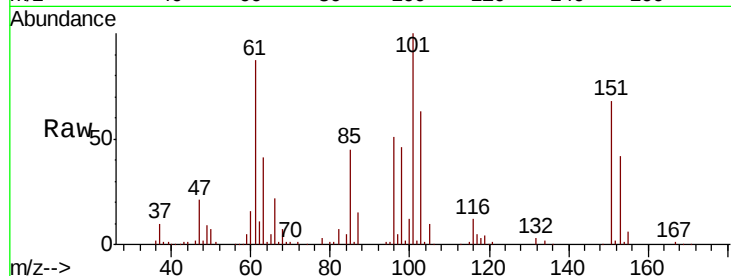
Tot Ion:101 Resp: 122263

Ion Ratio Lower Upper

101 100

85 46.3 34.2 51.4

151 70.4 30.4 45.6#



#12

1,1-Dichloroethene

Concen: 24.249 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

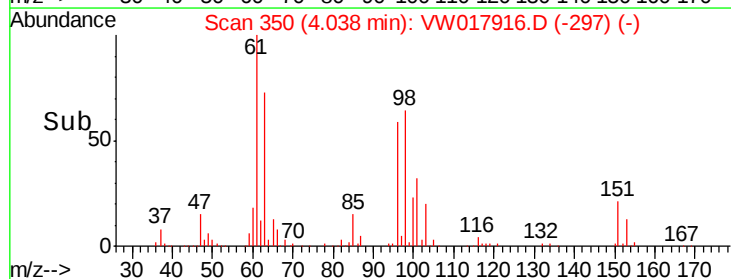
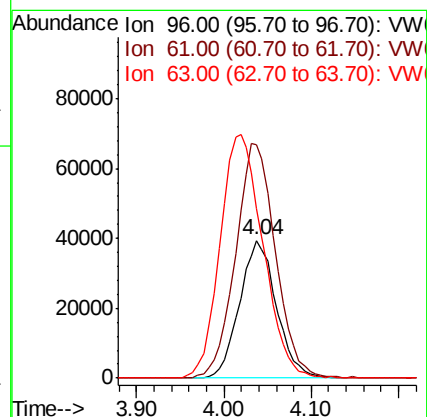
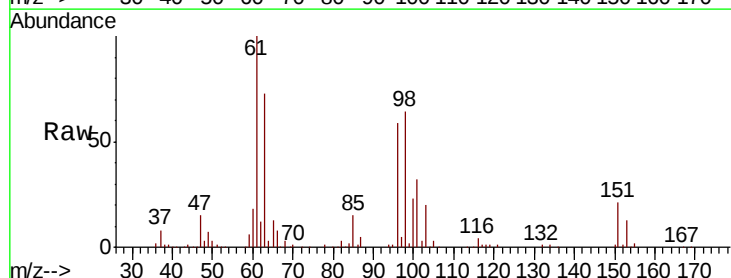
Tgt Ion: 96 Resp: 115184

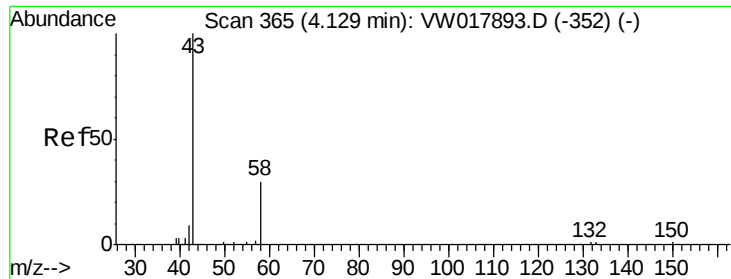
Ion Ratio Lower Upper

96 100

61 170.0 112.5 208.9

63 123.6 83.1 154.3





#13

Acetone

Concen: 43.906 ug/L

RT: 4.17 min Scan# 372

Delta R.T. 0.04 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

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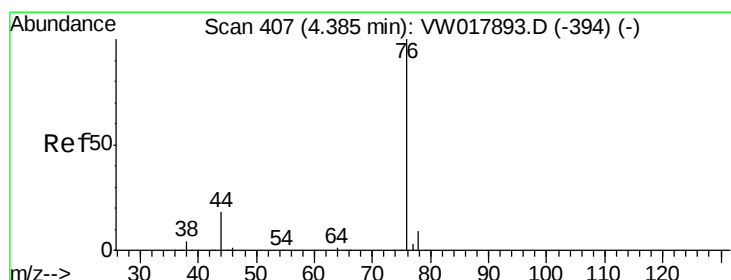
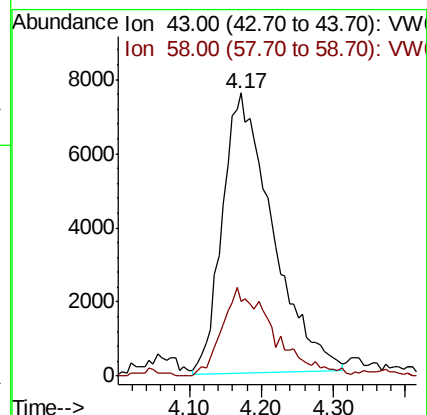
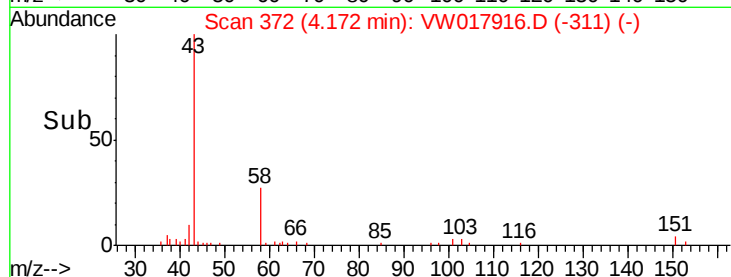
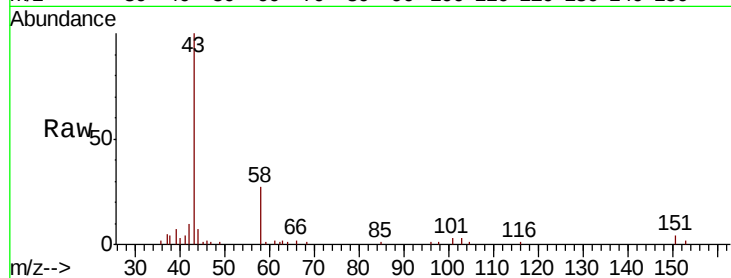
VSTD02522

Tot Ion: 43 Resp: 36646

Ion Ratio Lower Upper

43 100

58 18.4 0.0 68.4



#14

Carbon disulfide

Concen: 20.458 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017916.D

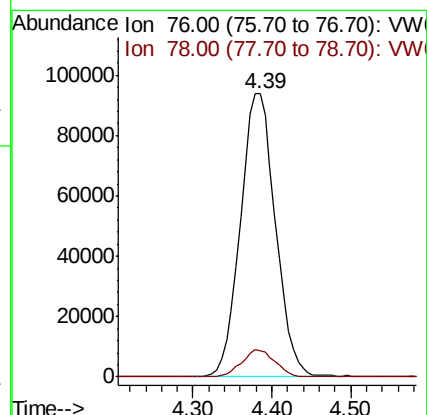
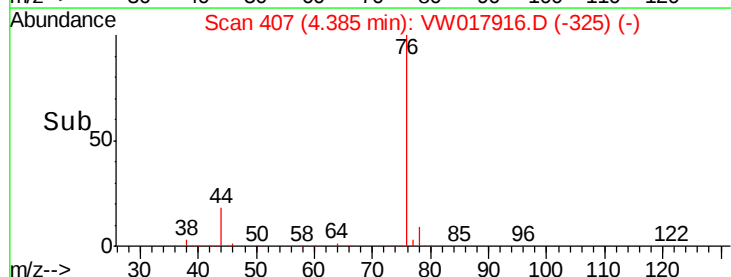
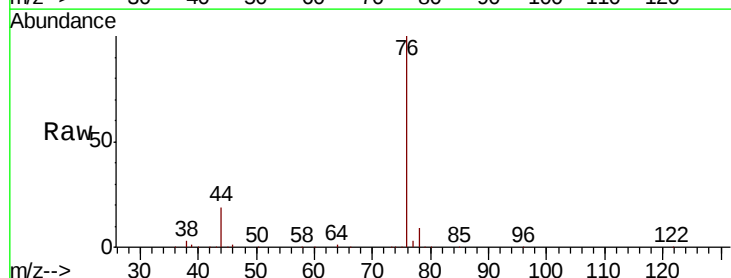
Acq: 15 Jan 2021 22:28

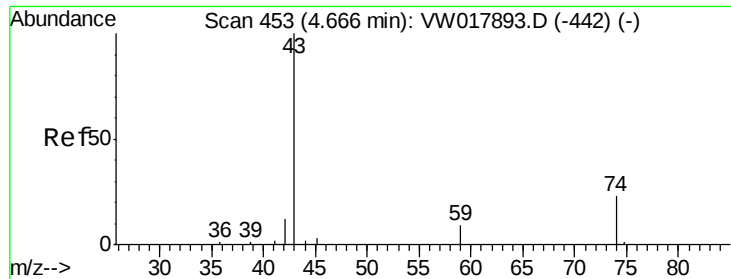
Tgt Ion: 76 Resp: 290179

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

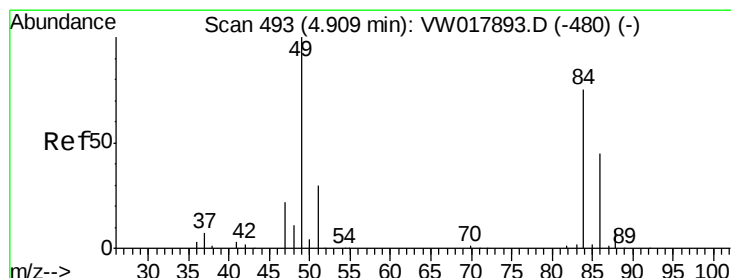
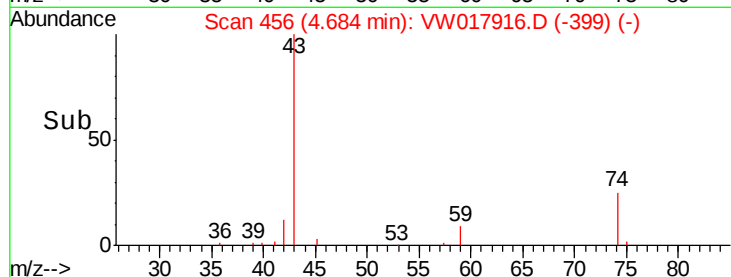
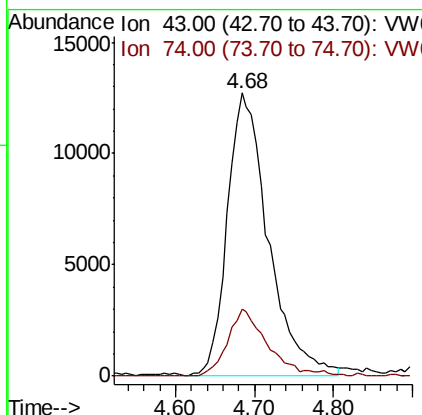
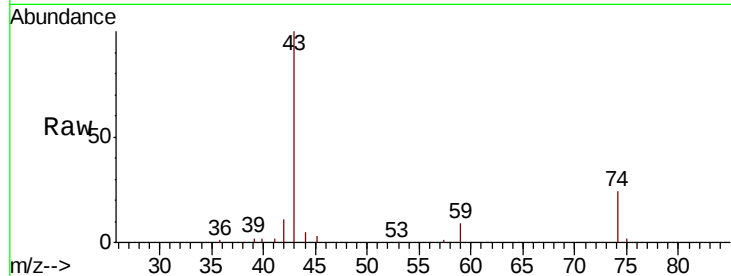




#15
Methyl Acetate
Concen: 28.479 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

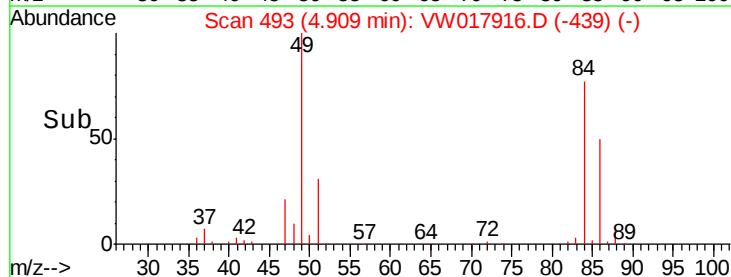
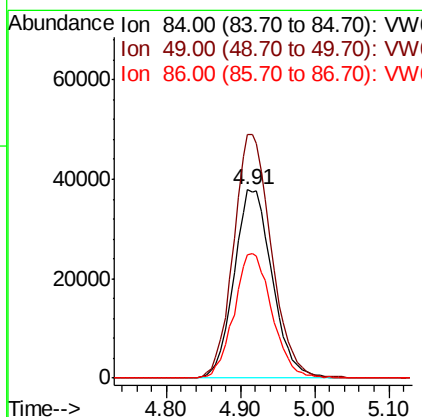
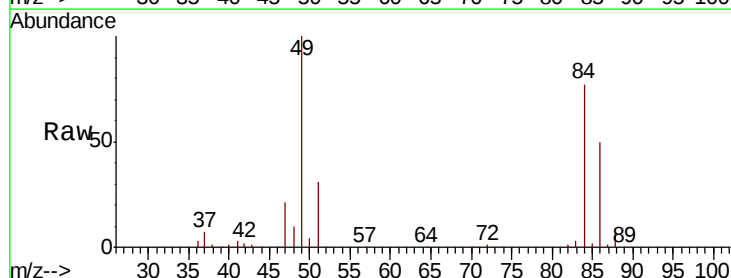
Instrument :
MSVOA_W
ClientSampled :
VSTD02522

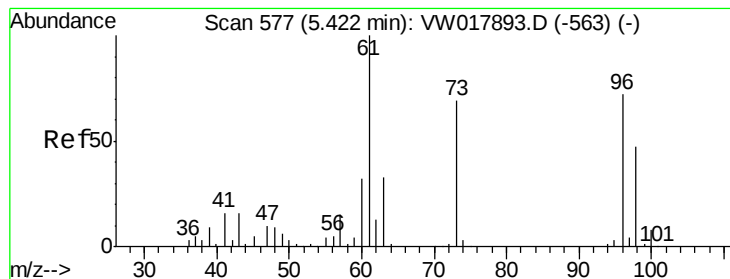
Tot Ion: 43 Resp: 46070
Ion Ratio Lower Upper
43 100
74 22.0 20.7 31.1



#16
Methylene chloride
Concen: 24.683 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion: 84 Resp: 136042
Ion Ratio Lower Upper
84 100
49 129.2 81.2 150.8
86 65.2 44.5 82.7





#17

Methyl tert-butyl Ether

Concen: 27.023 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

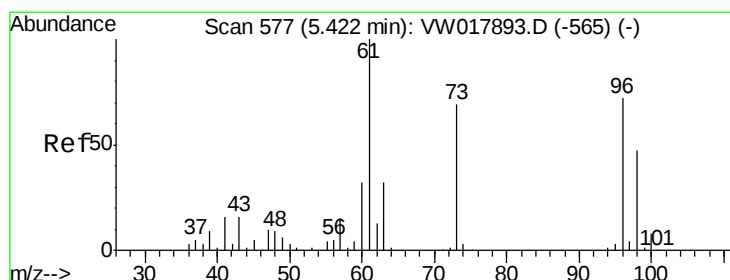
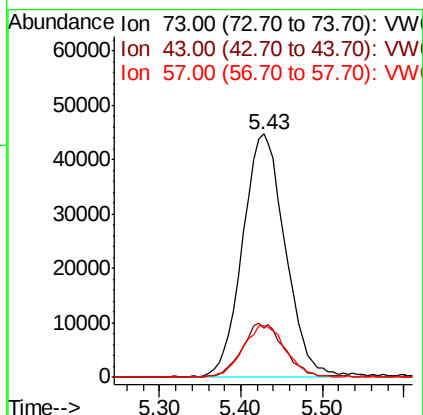
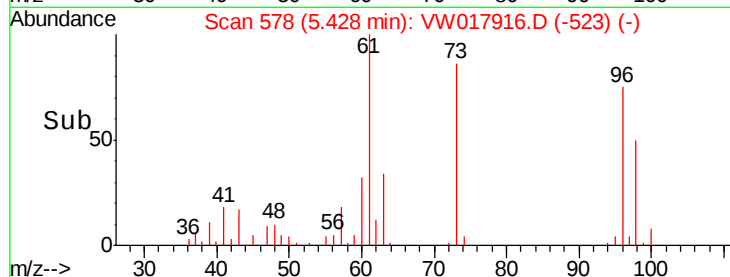
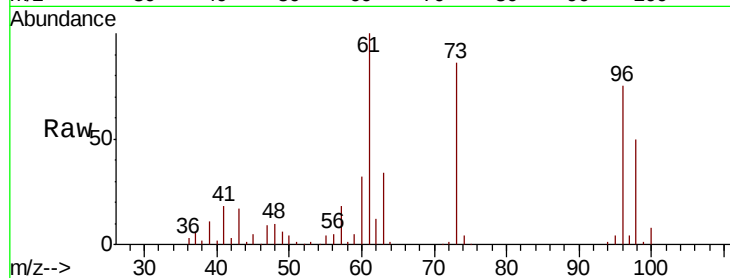
Tot Ion: 73 Resp: 162675

Ion Ratio Lower Upper

73 100

43 11.5 16.2 24.4#

57 21.5 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 24.549 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

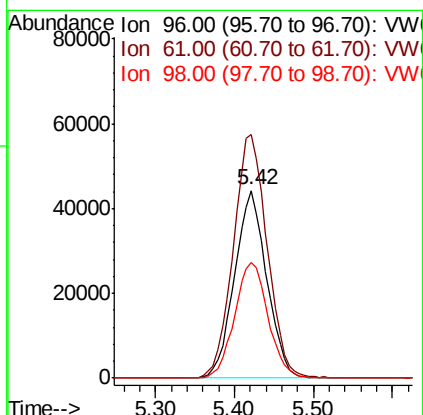
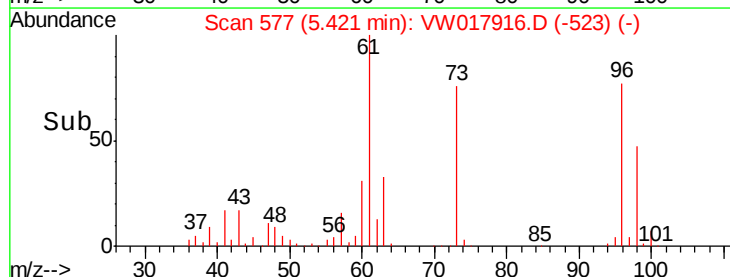
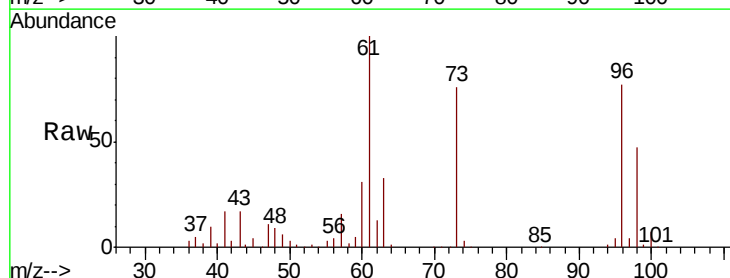
Tgt Ion: 96 Resp: 125775

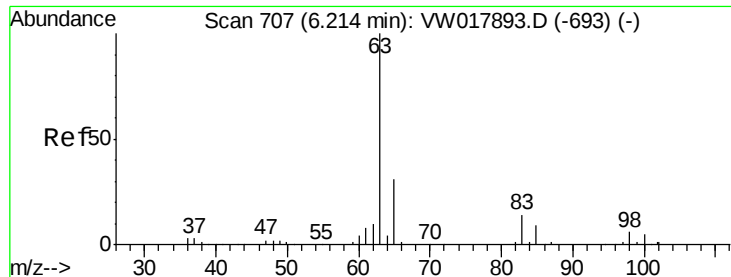
Ion Ratio Lower Upper

96 100

61 129.6 92.7 172.1

98 61.3 43.3 80.3

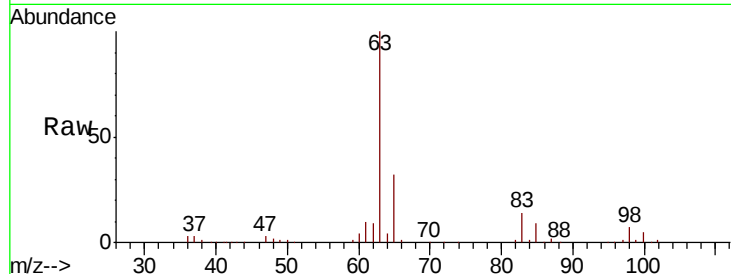




#19
 1,1-Dichloroethane
 Concen: 26.283 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.9	40.7
83	14.3	9.4	17.6

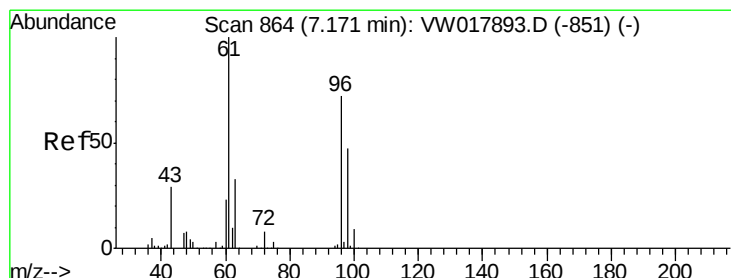
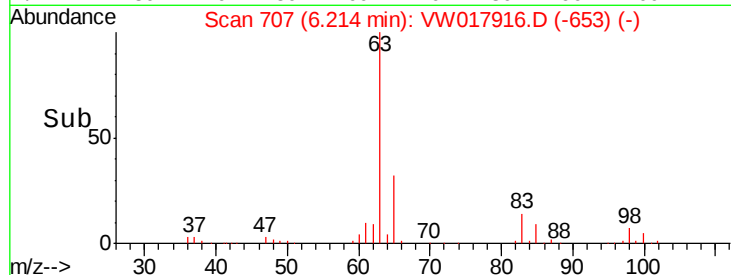
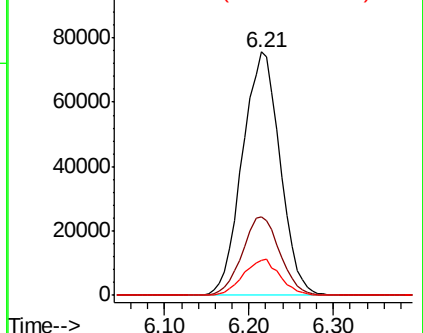


Abundance

Ion 63.00 (62.70 to 63.70): VW

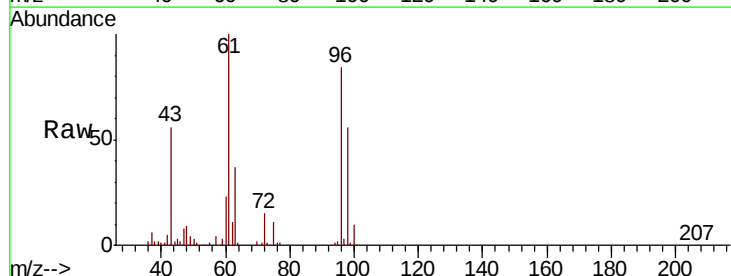
Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21
 2-Butanone
 Concen: 52.191 ug/L
 RT: 7.19 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

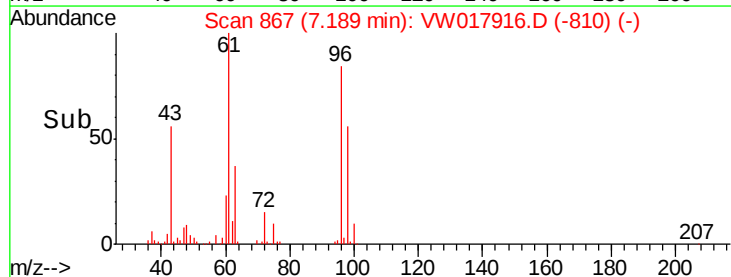
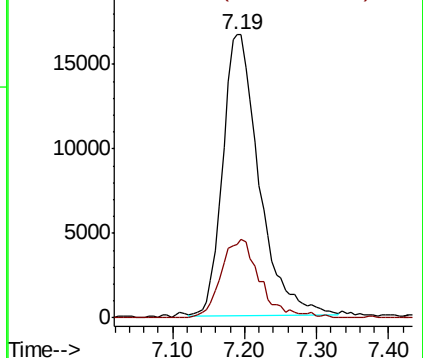
Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.9	14.4	43.2

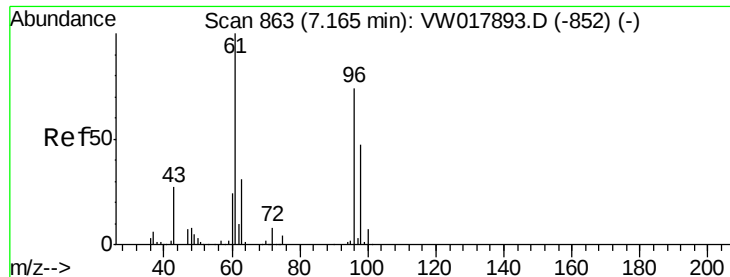


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



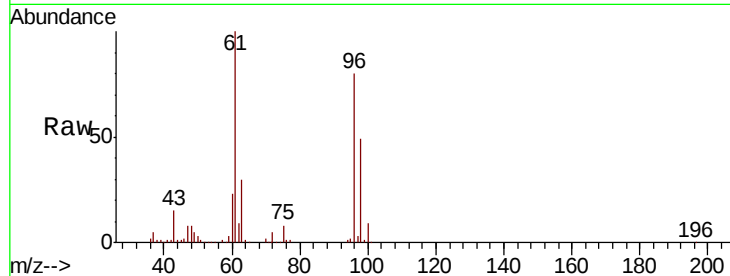


#22

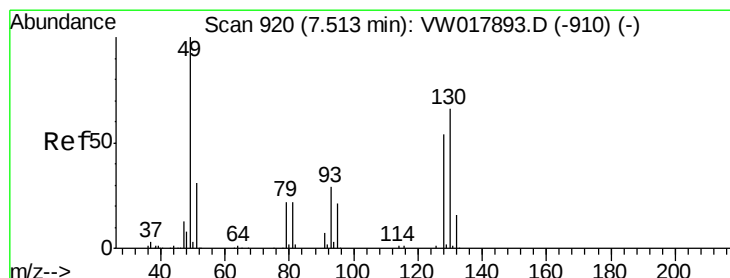
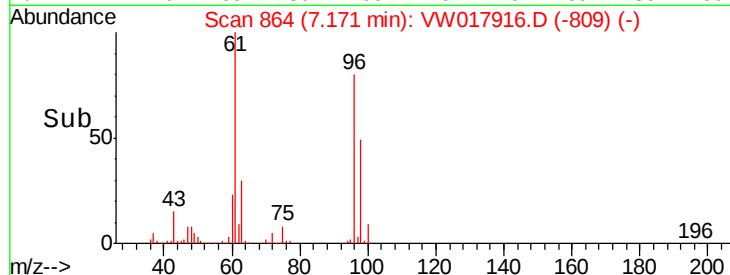
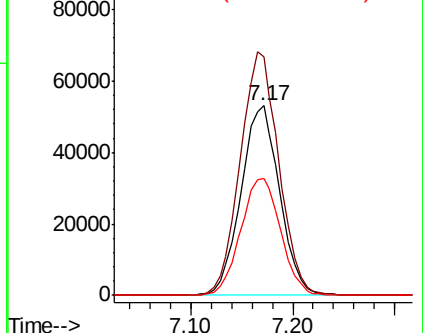
cis-1,2-Dichloroethene
 Concen: 25.910 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion: 96 Resp: 139494
 Ion Ratio Lower Upper
 96 100
 61 125.7 84.6 157.2
 98 61.9 44.7 82.9



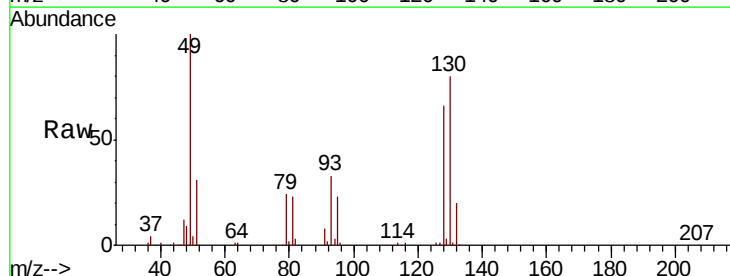
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



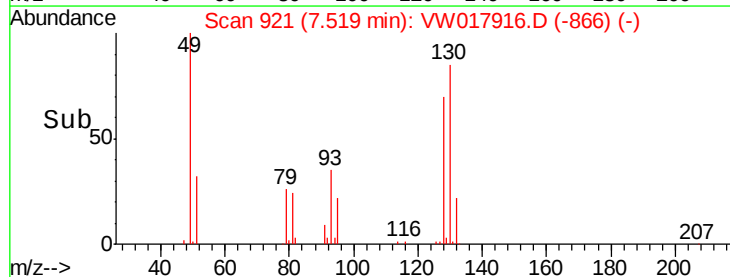
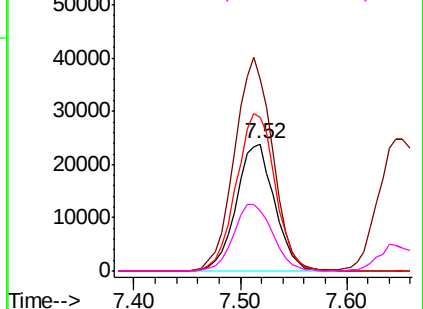
#23

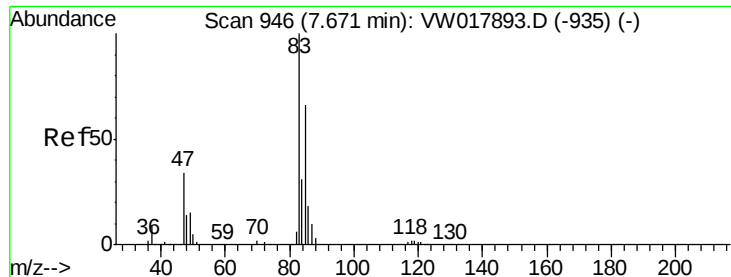
Bromochloromethane
 Concen: 26.421 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion:128 Resp: 60257
 Ion Ratio Lower Upper
 128 100
 49 150.8 101.6 188.6
 130 121.2 90.4 167.8
 51 47.0 37.7 56.5



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

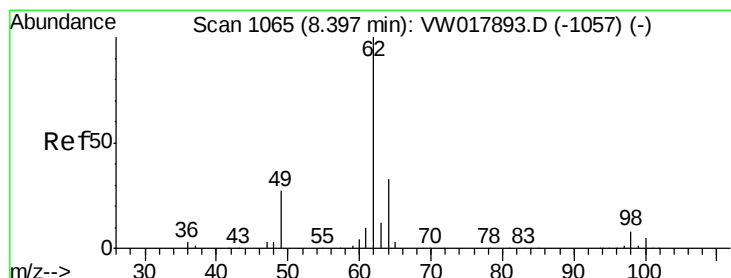
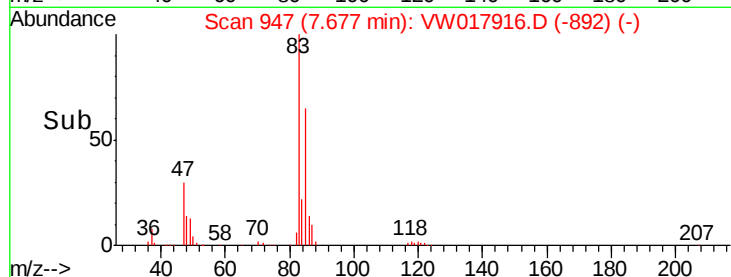
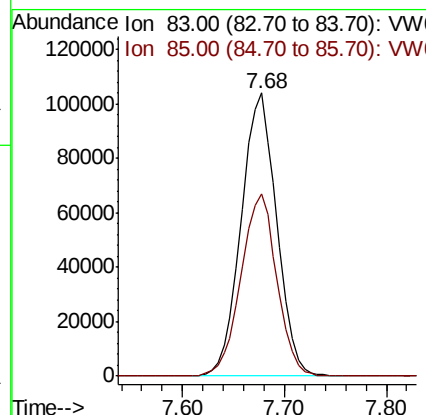
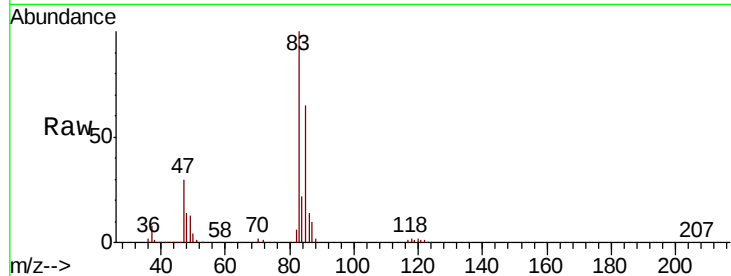




#25
Chloroform
Concen: 27.261 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

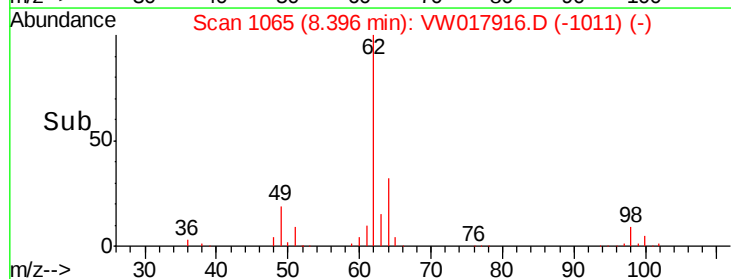
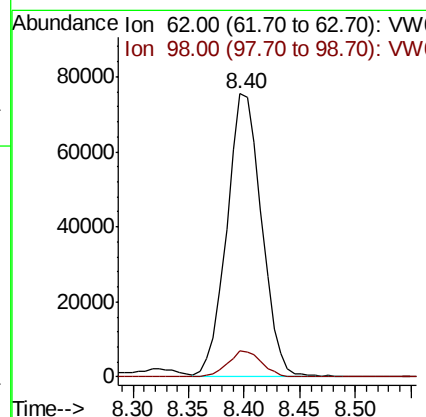
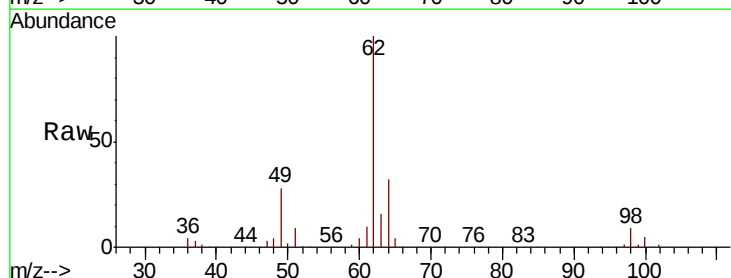
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

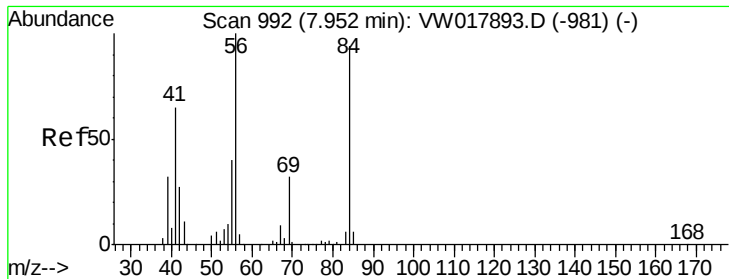
Tot Ion: 83 Resp: 251092
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.515 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion: 62 Resp: 163931
Ion Ratio Lower Upper
62 100
98 9.0 8.0 12.0

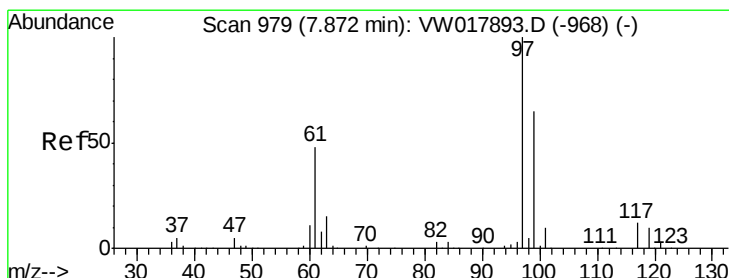
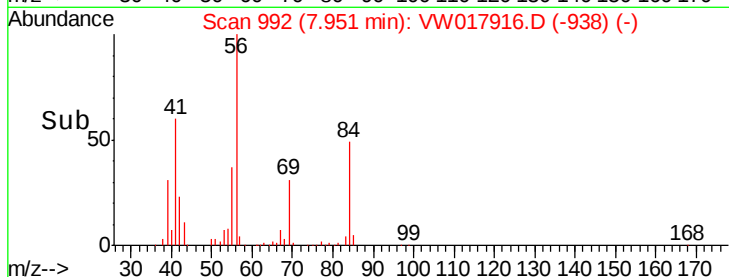
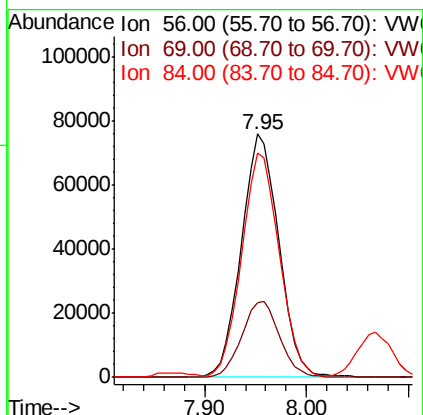
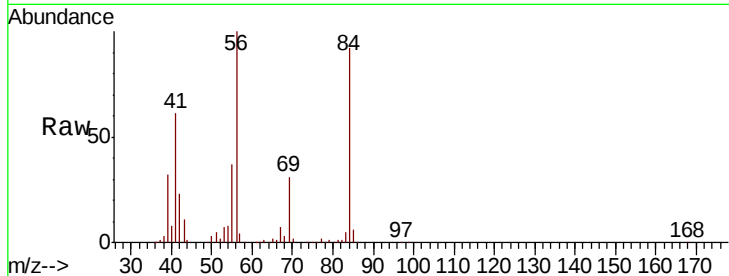




#30
Cyclohexane
Concen: 23.348 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

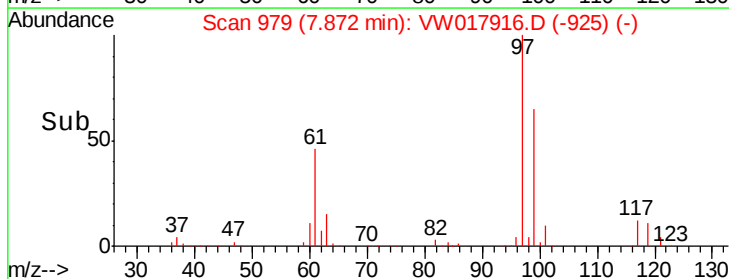
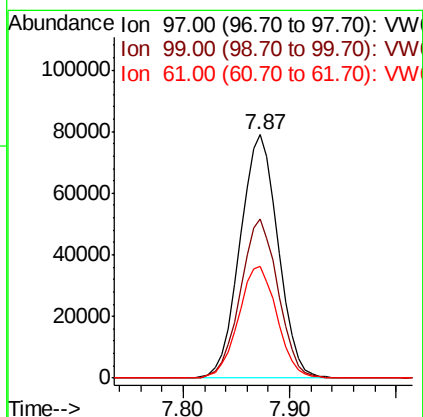
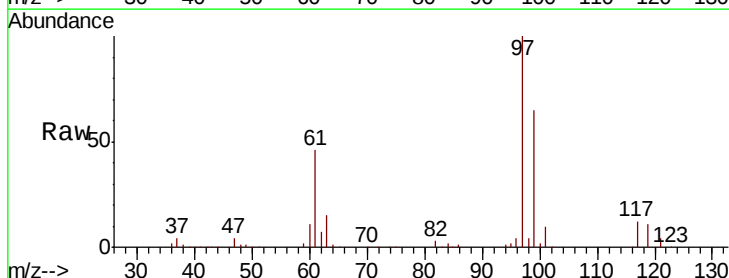
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

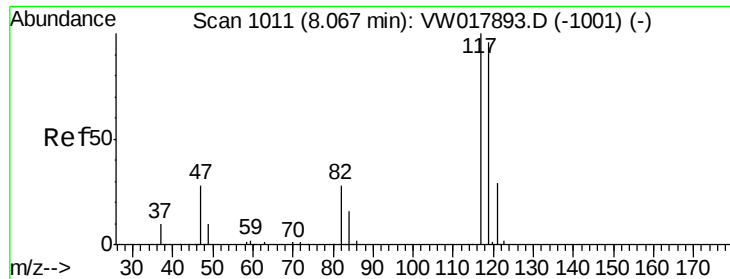
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.8	37.2
84	92.7	74.2	111.4



#31
1,1,1-Trichloroethane
Concen: 24.694 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	46.6	33.6	50.4





#32

Carbon tetrachloride

Concen: 25.022 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

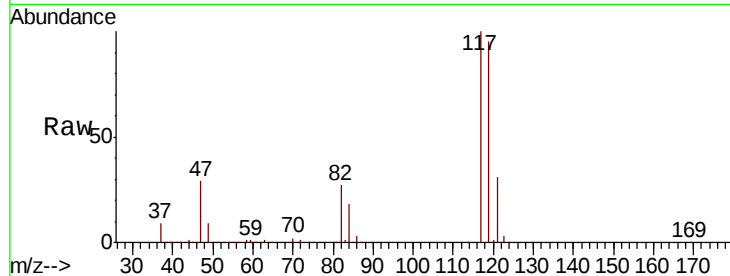
VSTD02522

Tot Ion:117 Resp: 189294

Ion Ratio Lower Upper

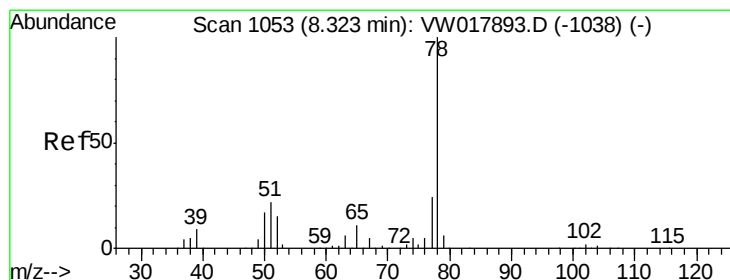
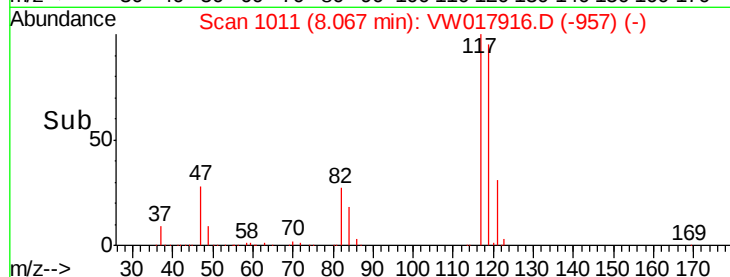
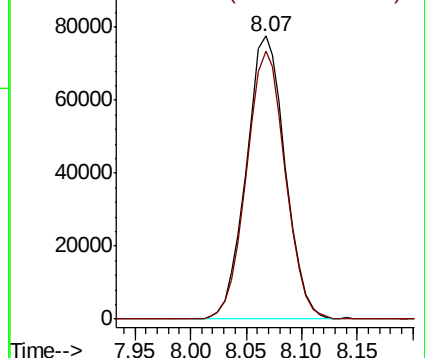
117 100

119 94.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.024 ug/L

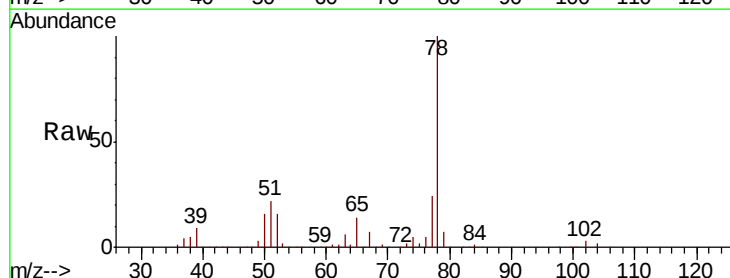
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

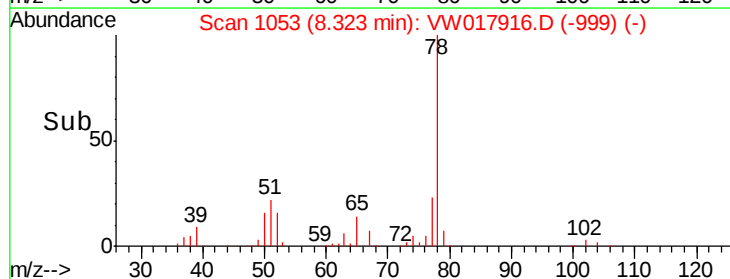
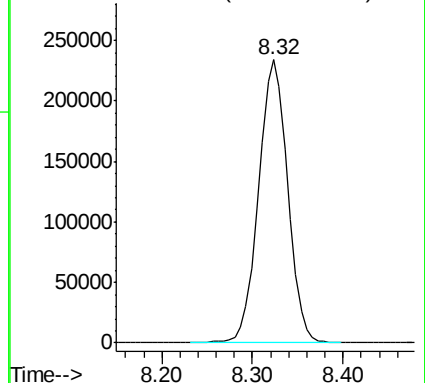
Lab File: VW017916.D

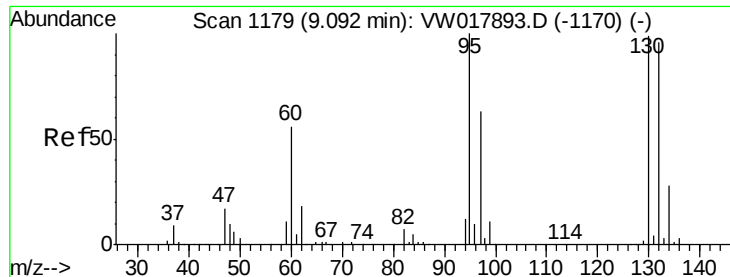
Acq: 15 Jan 2021 22:28

Tgt Ion: 78 Resp: 518685



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.714 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

Tot Ion: 95 Resp: 141861

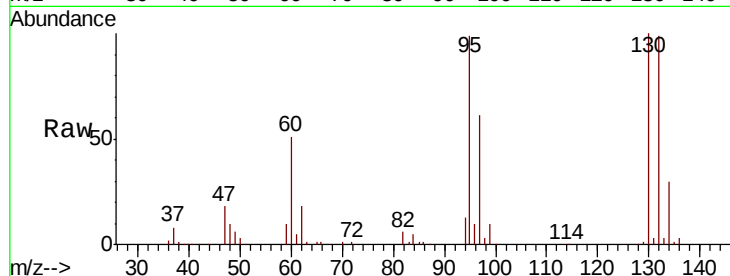
Ion Ratio Lower Upper

95 100

97 63.6 45.0 83.6

132 98.0 71.0 131.8

130 98.8 75.6 140.4

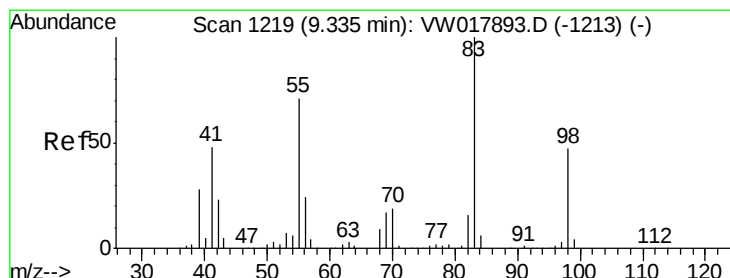
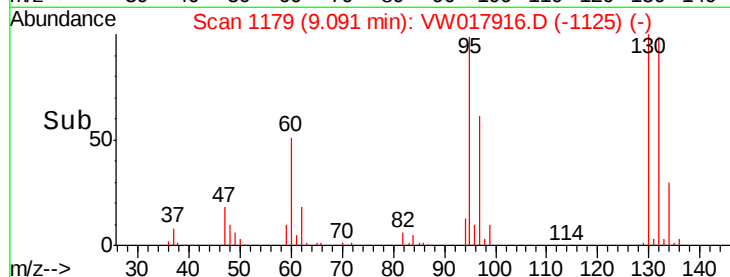
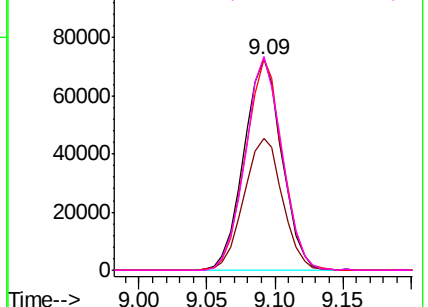


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.712 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

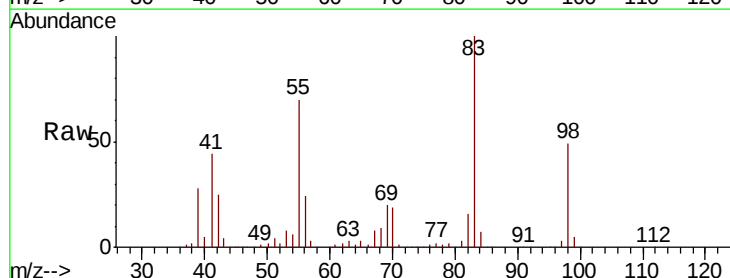
Tgt Ion: 83 Resp: 228682

Ion Ratio Lower Upper

83 100

55 72.8 59.4 89.0

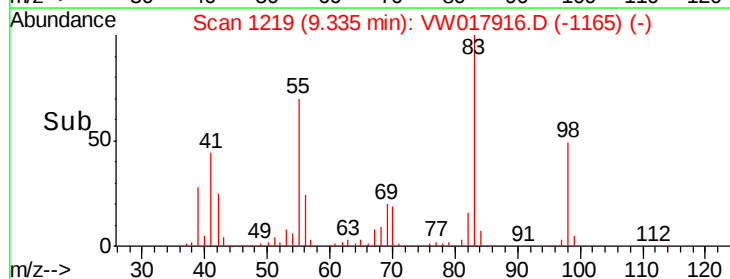
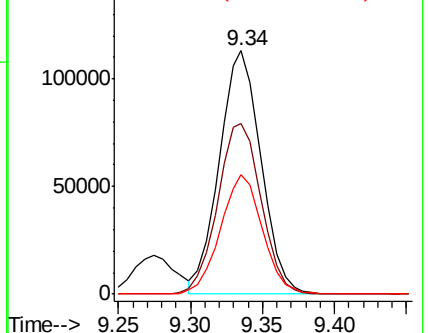
98 49.5 40.7 61.1

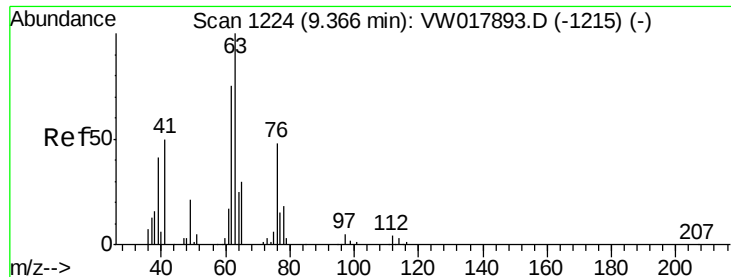


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.309 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

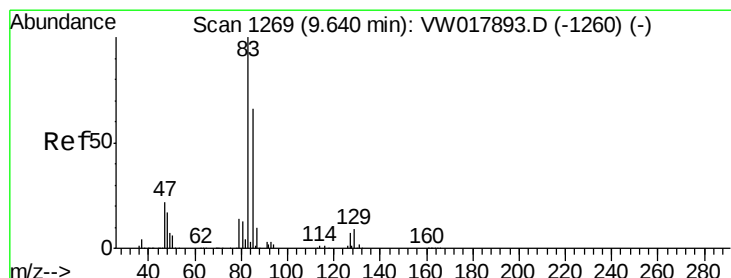
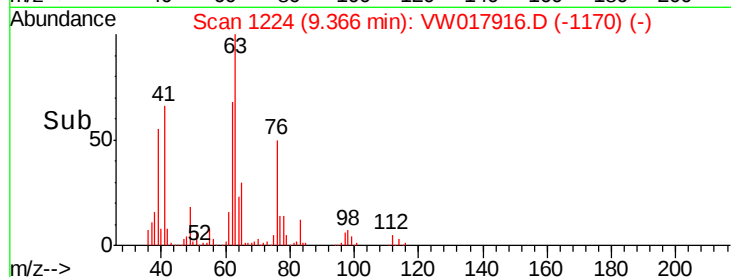
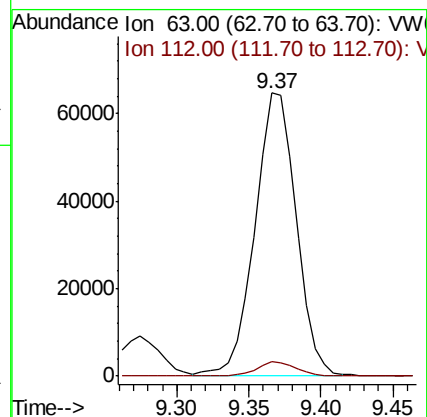
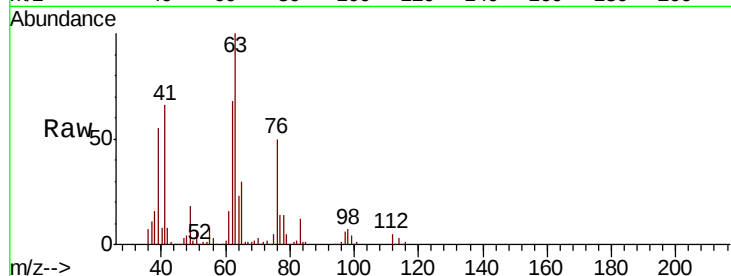
VSTD02522

Tot Ion: 63 Resp: 128494

Ion Ratio Lower Upper

63 100

112 4.8 4.2 6.4



#41

Bromodichloromethane

Concen: 27.578 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

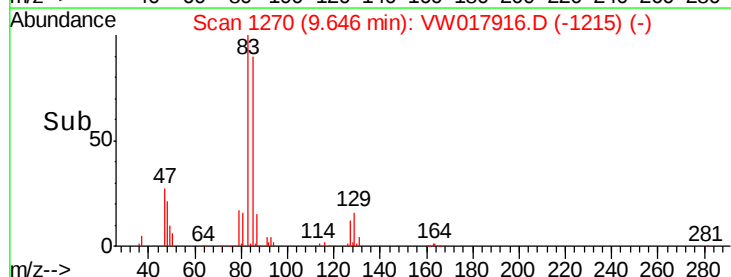
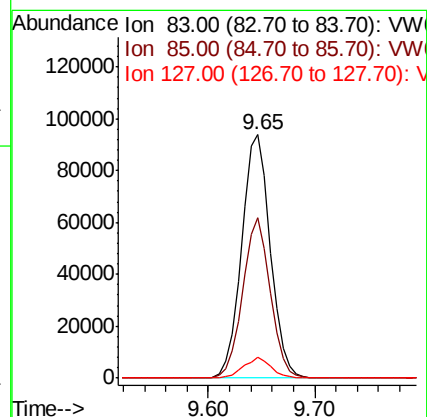
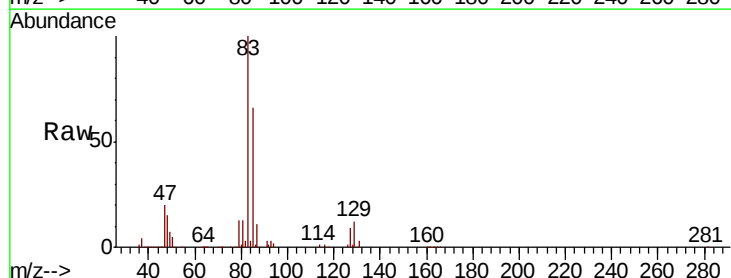
Tgt Ion: 83 Resp: 177621

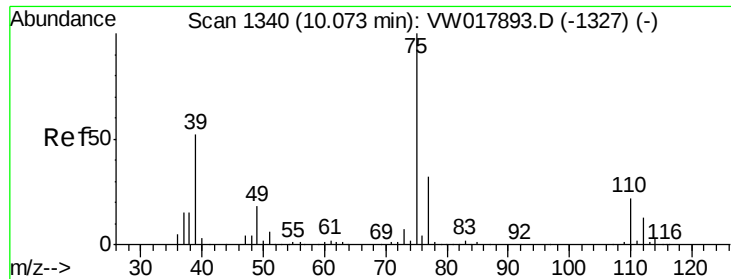
Ion Ratio Lower Upper

83 100

85 66.1 46.8 86.8

127 8.7 7.6 11.4

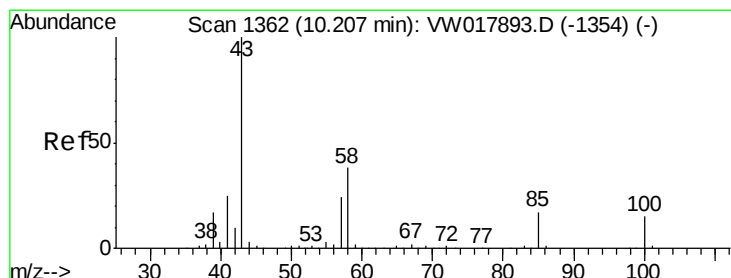
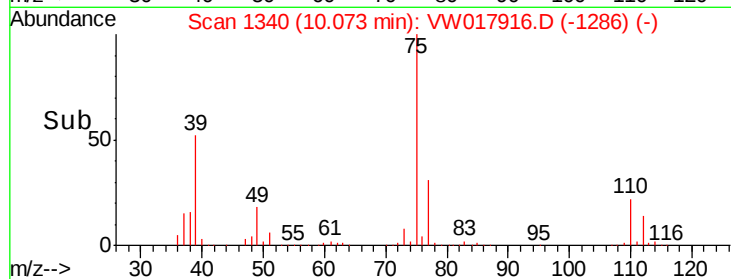
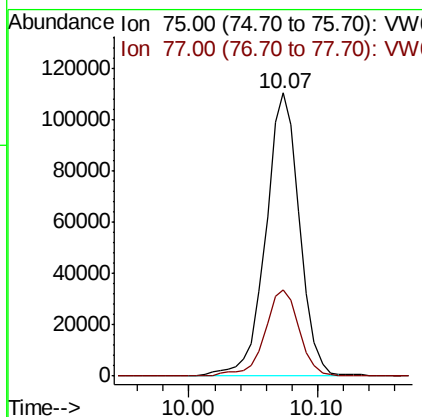
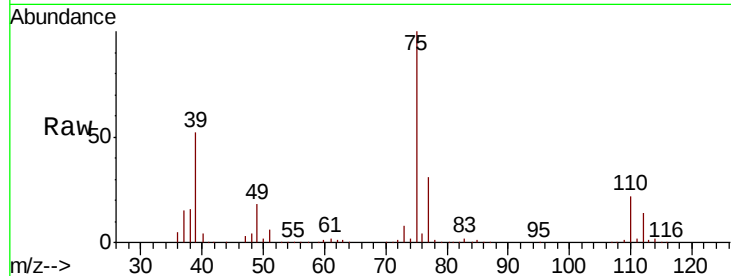




#42
 cis-1,3-Dichloropropene
 Concen: 26.765 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

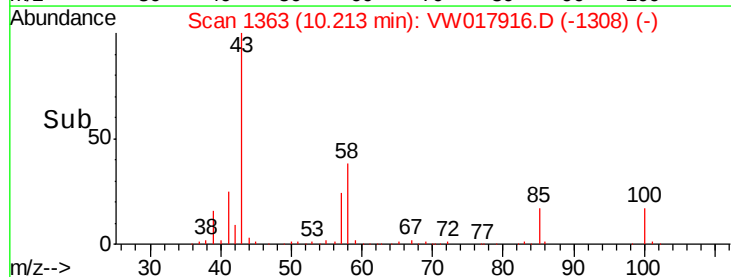
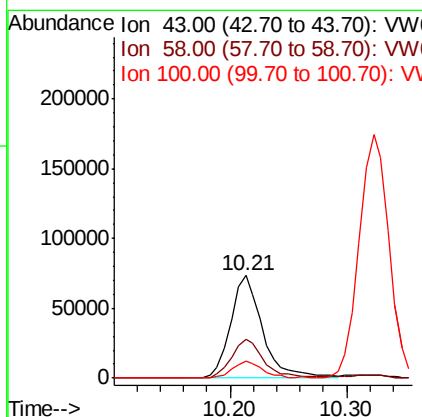
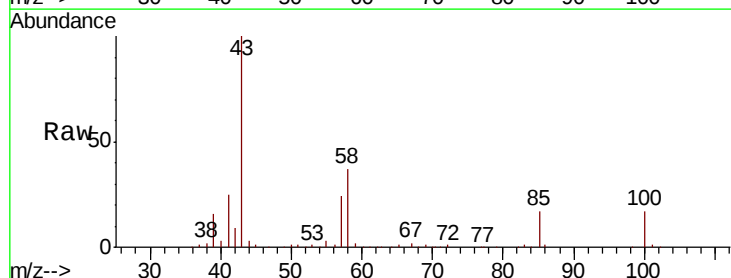
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

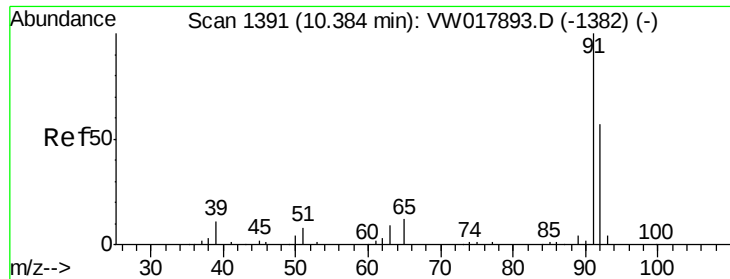
Tot Ion: 75 Resp: 200960
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 61.475 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion: 43 Resp: 140526
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.6 47.4
 100 15.2 14.1 21.1





#44

Toluene

Concen: 25.307 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

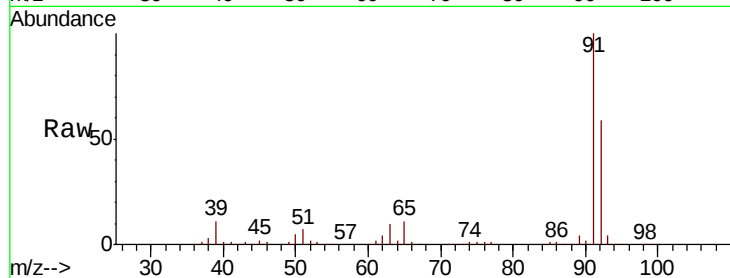
VSTD02522

Tot Ion: 91 Resp: 575167

Ion Ratio Lower Upper

91 100

92 58.6 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

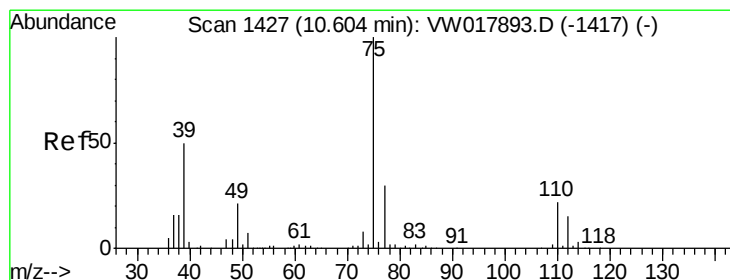
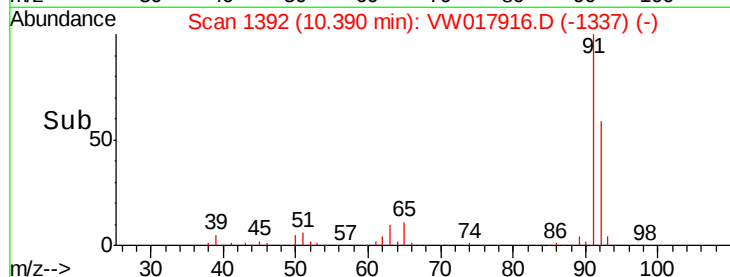
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.527 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW017916.D

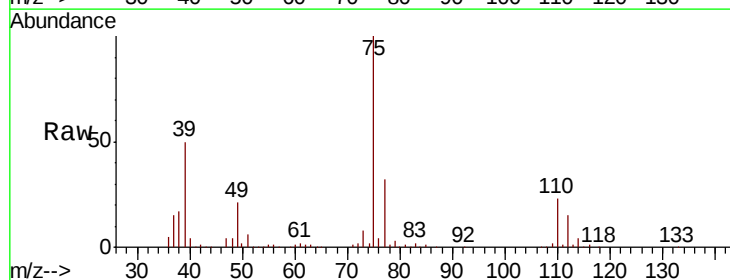
Acq: 15 Jan 2021 22:28

Tgt Ion: 75 Resp: 169607

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

100000

80000

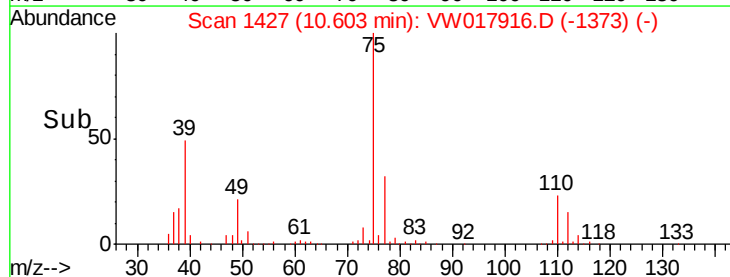
60000

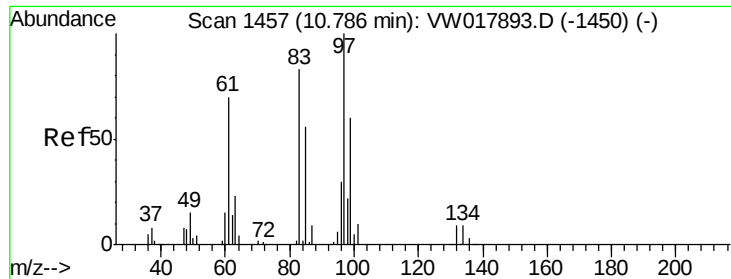
40000

20000

0

Time-->

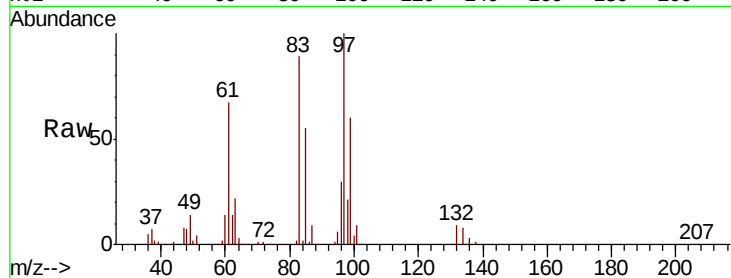




#46
 1,1,2-Trichloroethane
 Concen: 27.869 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion:	97	Resp:	97469
Ion	Ratio	Lower	Upper
97	100		
83	88.9	58.5	108.7
85	54.7	37.8	70.2
99	59.6	43.7	81.1



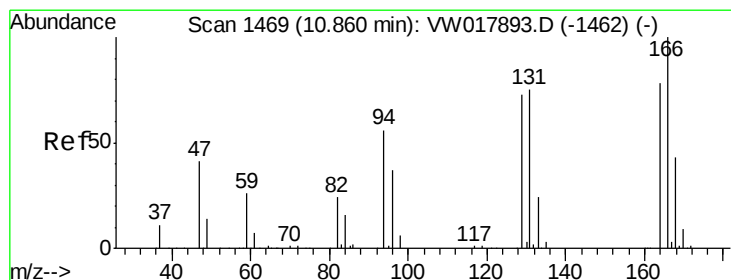
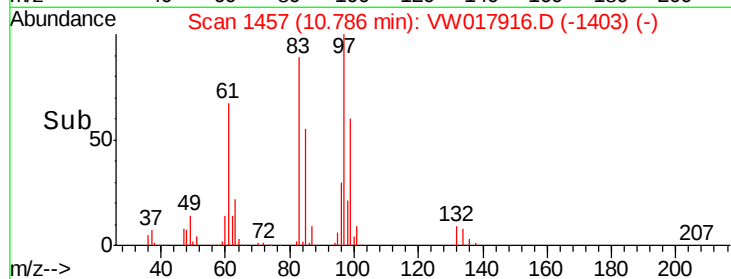
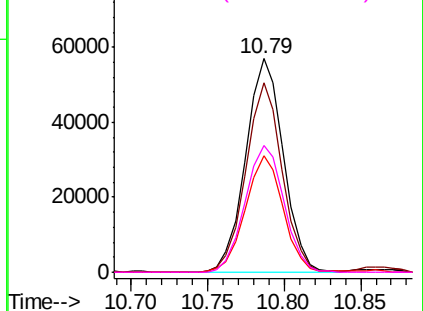
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

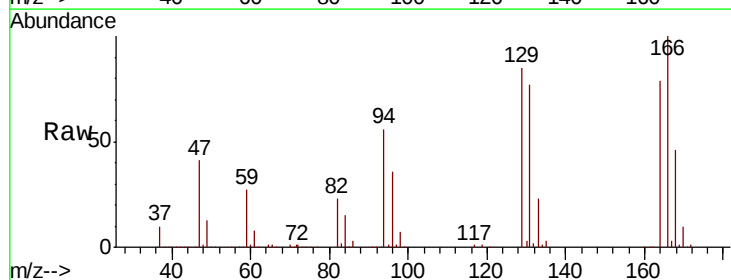
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.332 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion:	164	Resp:	104950
Ion	Ratio	Lower	Upper
164	100		
129	108.2	67.6	125.6
131	98.1	65.2	121.2
166	126.8	93.2	173.2



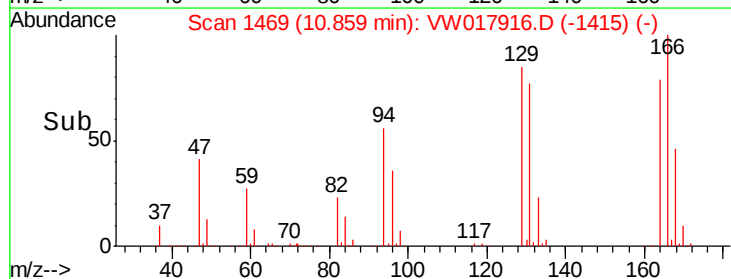
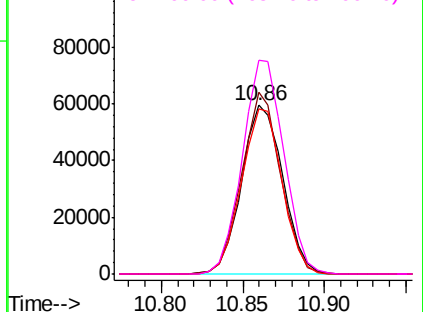
Abundance

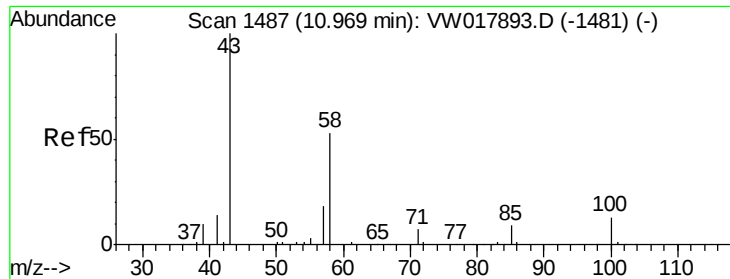
Ion 164.00 (163.70 to 164.70): V

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

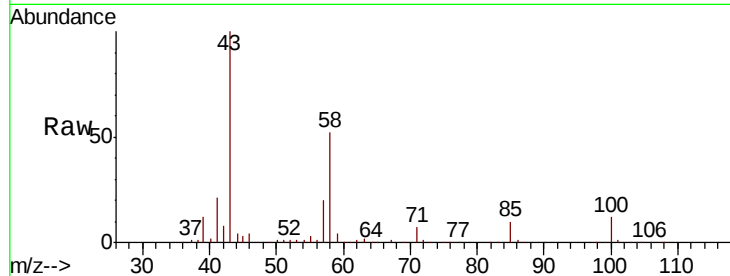




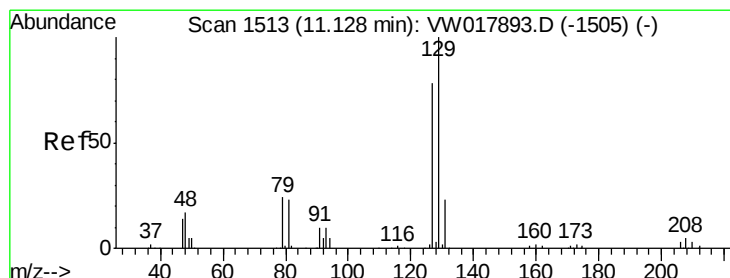
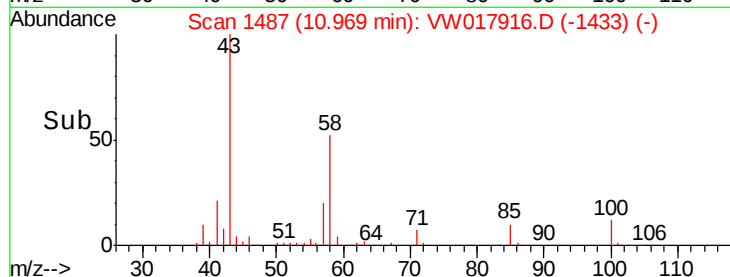
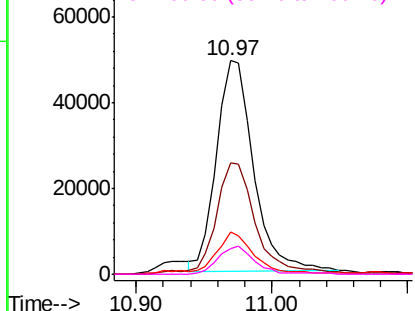
#49
2-Hexanone
Concen: 57.783 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

Tot Ion:	43	Resp:	93714
Ion	Ratio	Lower	Upper
43	100		
58	56.0	51.3	76.9
57	16.7	15.0	22.6
100	12.7	12.2	18.2

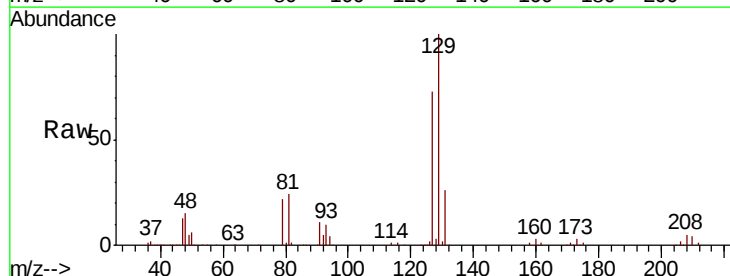


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

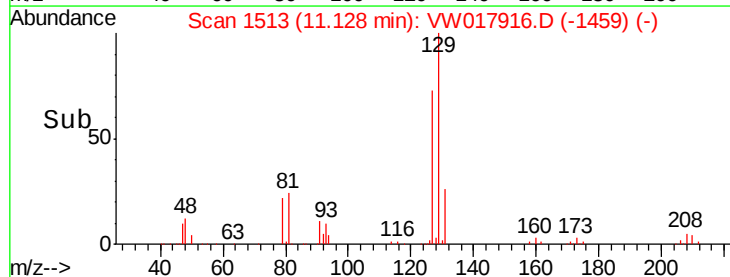
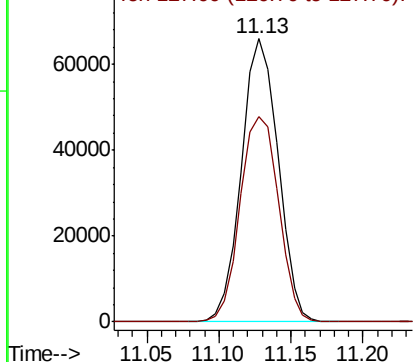


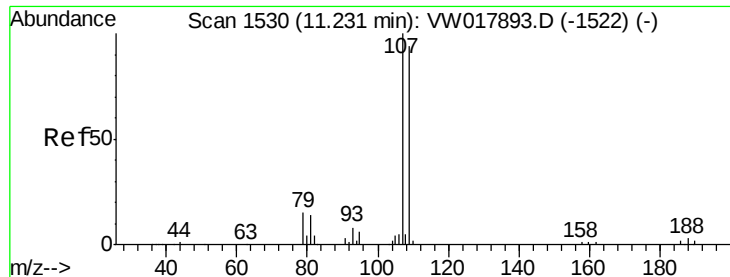
#50
Dibromochloromethane
Concen: 28.125 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion:	129	Resp:	116778
Ion	Ratio	Lower	Upper
129	100		
127	72.8	53.2	98.8



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

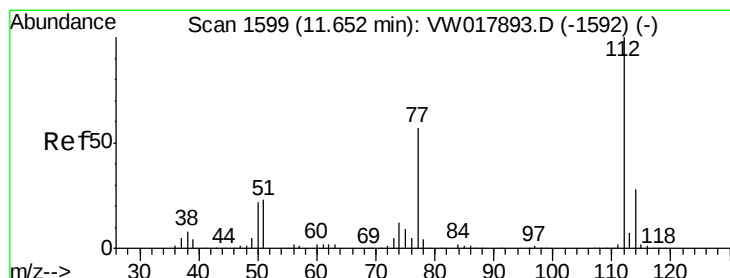
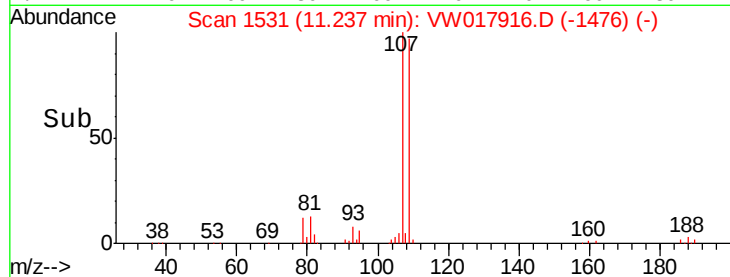
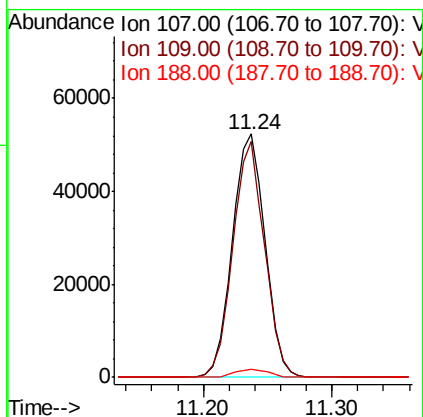
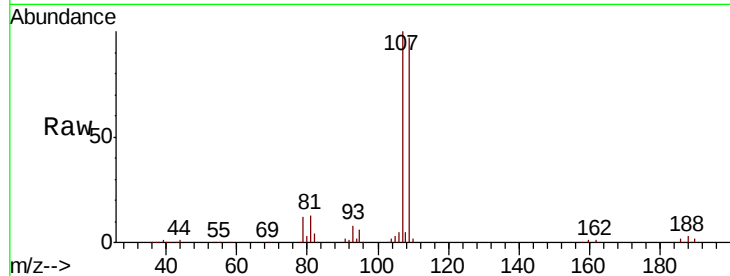




#51
 1,2-Dibromoethane
 Concen: 27.851 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

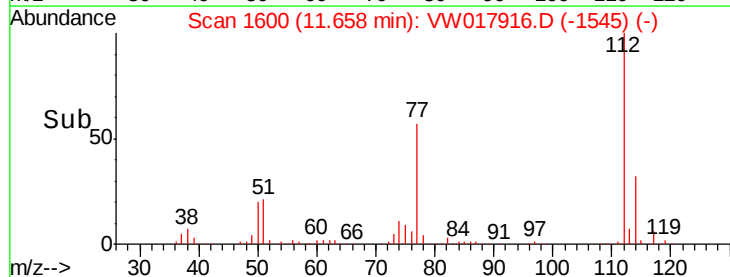
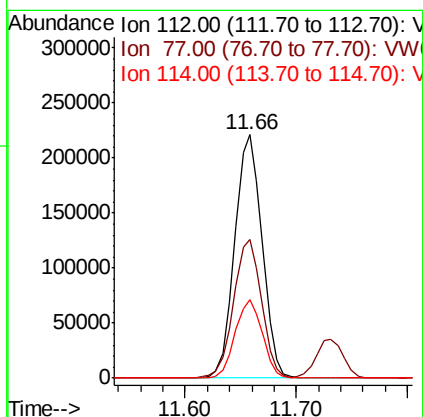
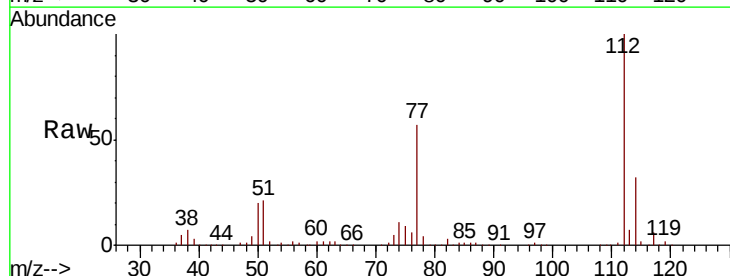
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

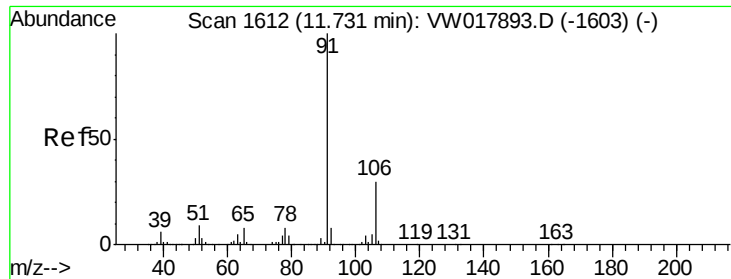
Tot Ion:107 Resp: 92216
 Ion Ratio Lower Upper
 107 100
 109 97.0 66.4 123.2
 188 3.5 4.0 6.0#



#52
 Chlorobenzene
 Concen: 26.374 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion:112 Resp: 374184
 Ion Ratio Lower Upper
 112 100
 77 56.9 42.6 64.0
 114 32.0 21.6 40.2

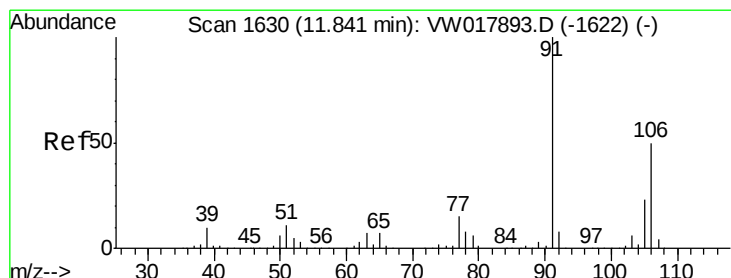
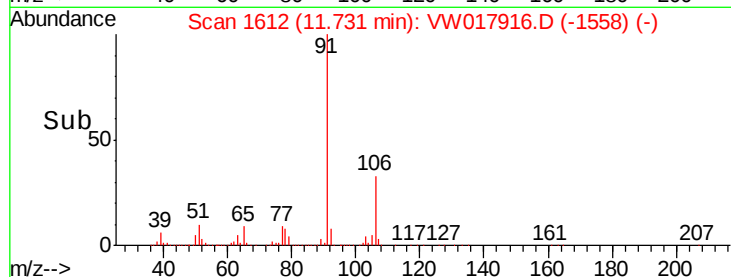
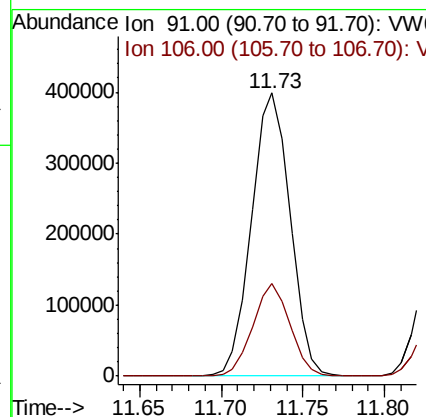
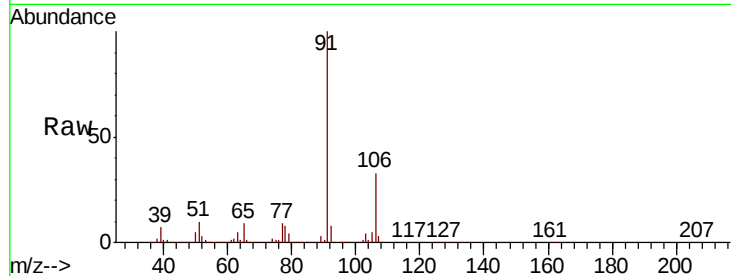




#53
Ethylbenzene
Concen: 25.515 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

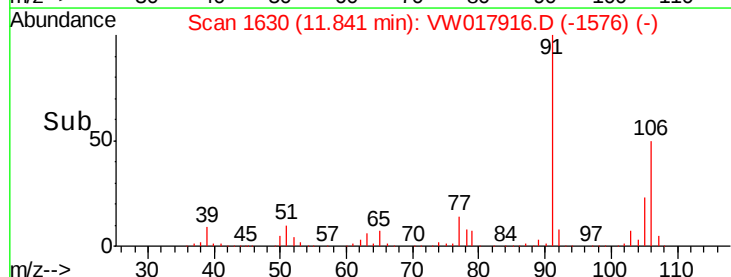
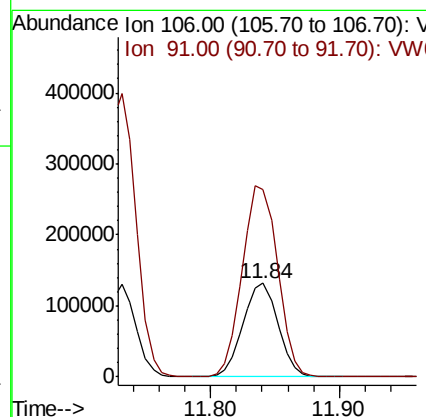
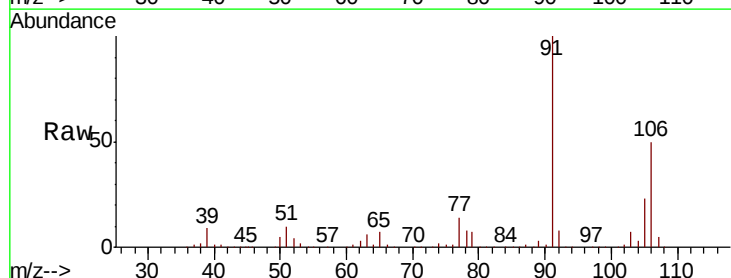
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

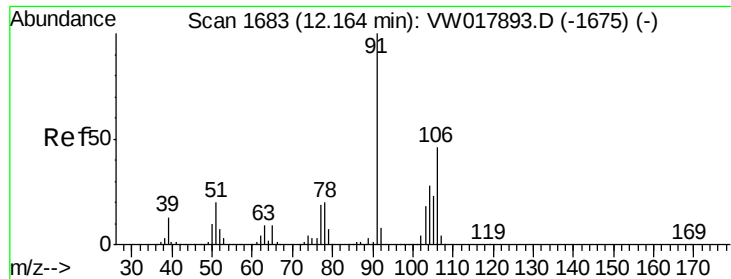
Tot Ion: 91 Resp: 657956
Ion Ratio Lower Upper
91 100
106 32.5 21.1 39.1



#54
m,p-Xylene
Concen: 24.692 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017916.D
Acq: 15 Jan 2021 22:28

Tgt Ion: 106 Resp: 249079
Ion Ratio Lower Upper
106 100
91 200.4 136.4 253.4





#55

o-xylene

Concen: 25.560 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

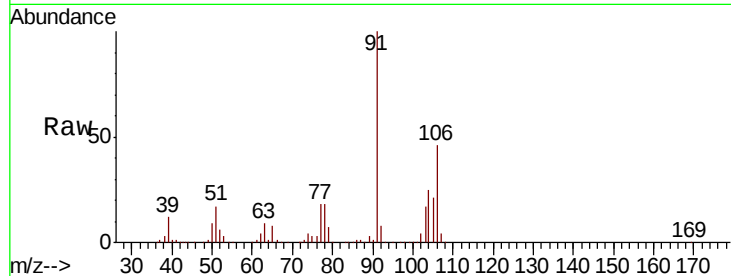
VSTD02522

Tot Ion:106 Resp: 242483

Ion Ratio Lower Upper

106 100

91 219.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

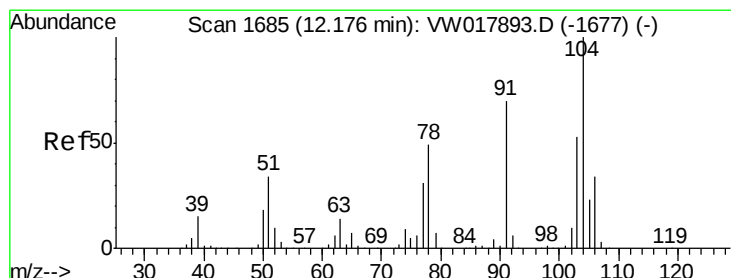
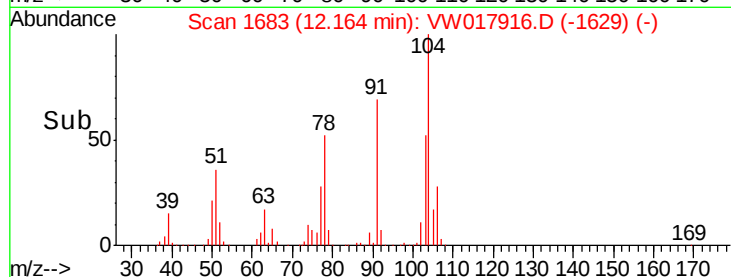
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 26.011 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW017916.D

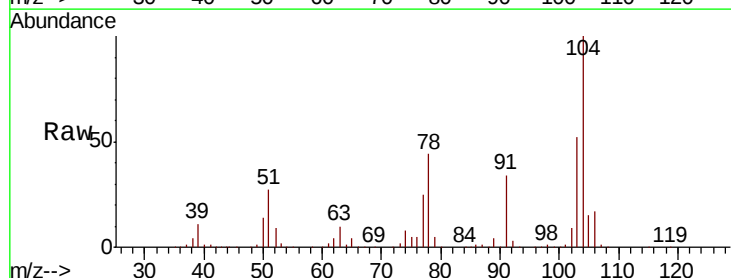
Acq: 15 Jan 2021 22:28

Tgt Ion:104 Resp: 410460

Ion Ratio Lower Upper

104 100

78 43.9 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

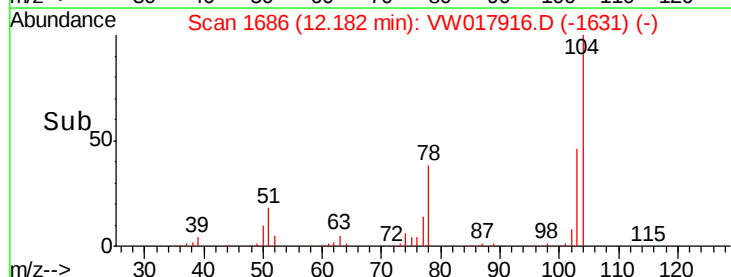
100000

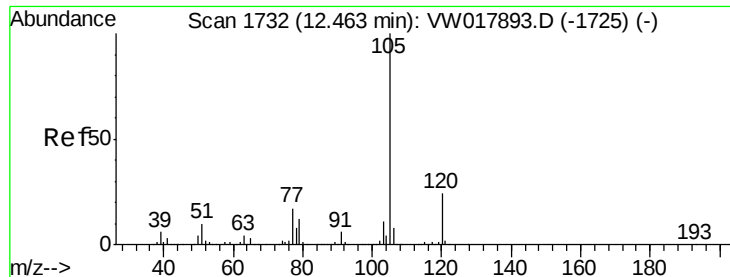
50000

0

12.10 12.20 12.30

Time-->





#57

Isopropylbenzene

Concen: 25.131 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

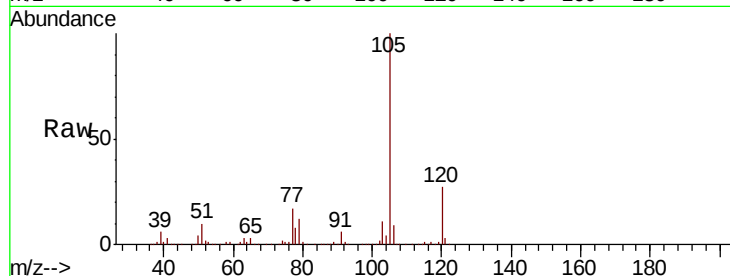
Tot Ion: 105 Resp: 660061

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

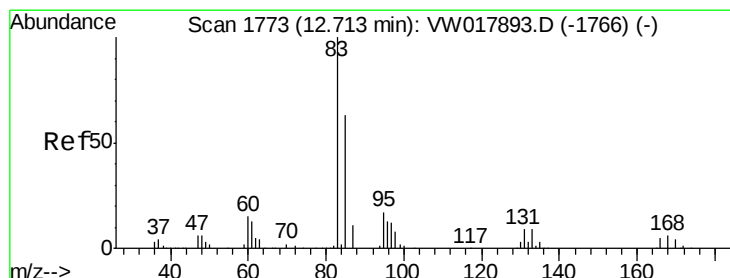
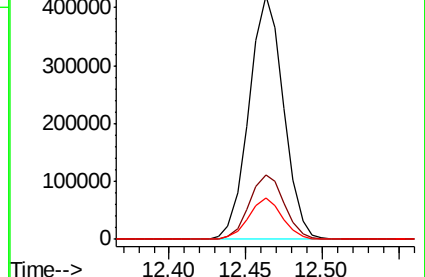
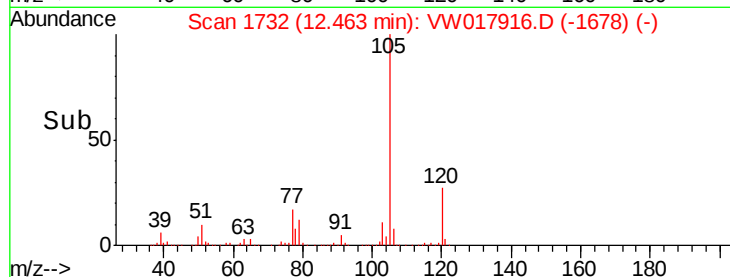
77 16.5 12.1 18.1



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: 28.543 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

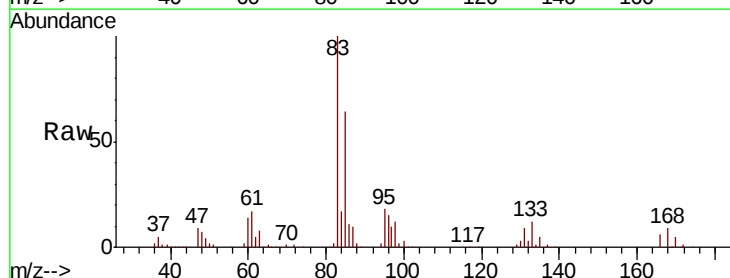
Tgt Ion: 83 Resp: 111419

Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1

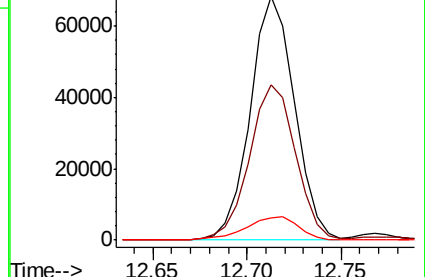
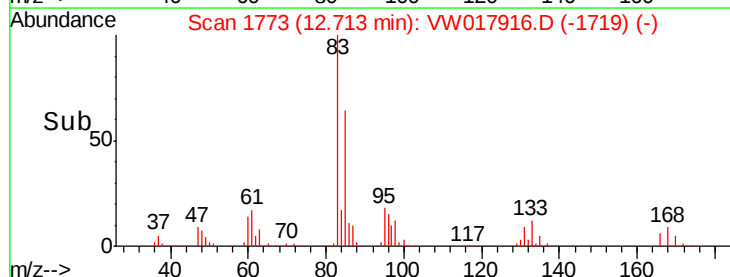
131 8.9 8.3 12.5

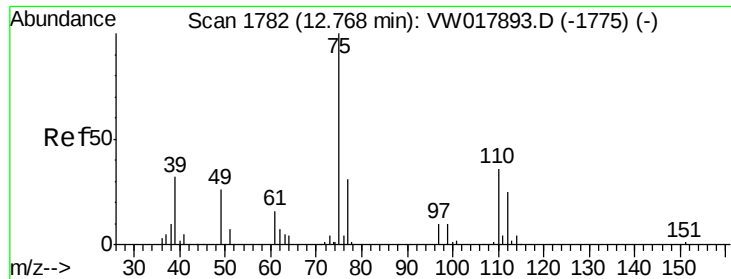


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.476 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

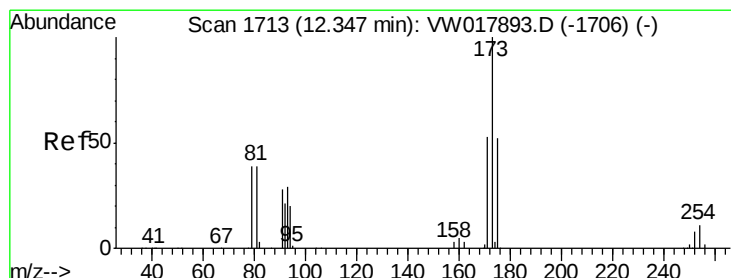
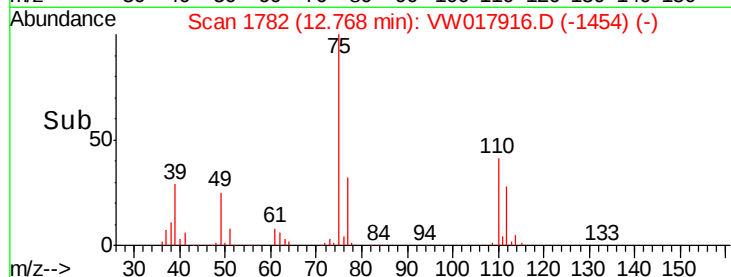
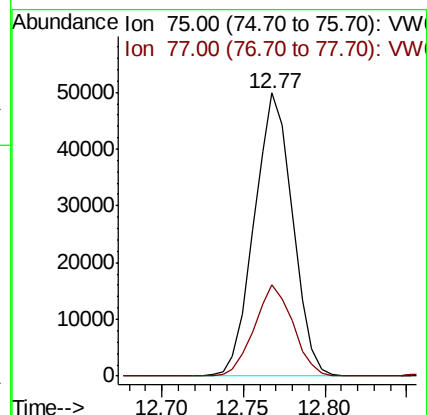
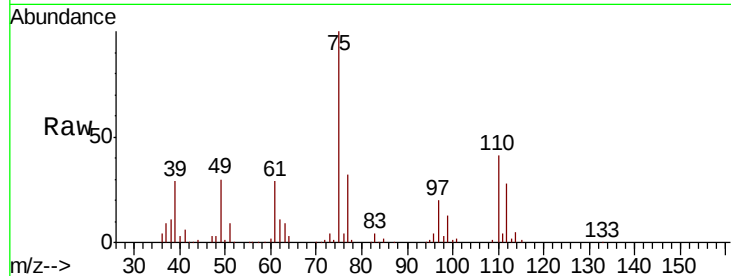
VSTD02522

Tot Ion: 75 Resp: 81712

Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8



#62

Bromoform

Concen: 27.239 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

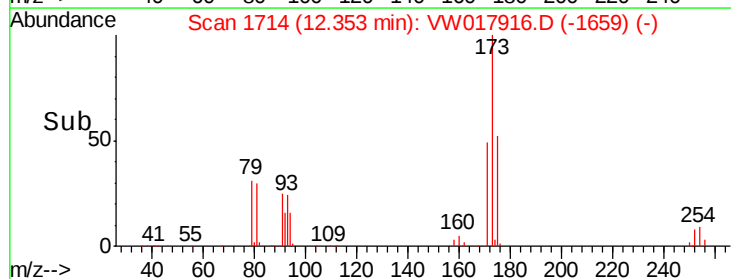
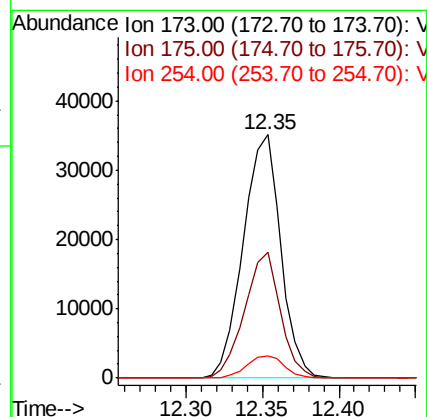
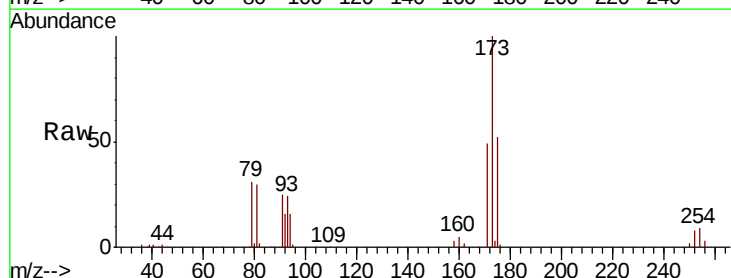
Tgt Ion: 173 Resp: 59844

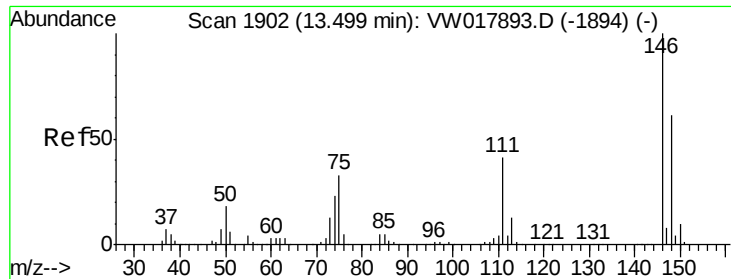
Ion Ratio Lower Upper

173 100

175 49.4 39.1 58.7

254 9.3 7.1 10.7





#63

1,3-Dichlorobenzene

Concen: 26.200 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

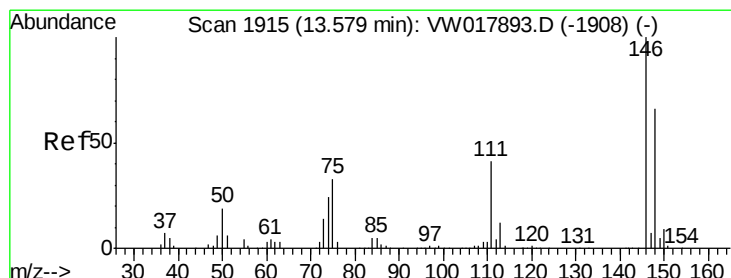
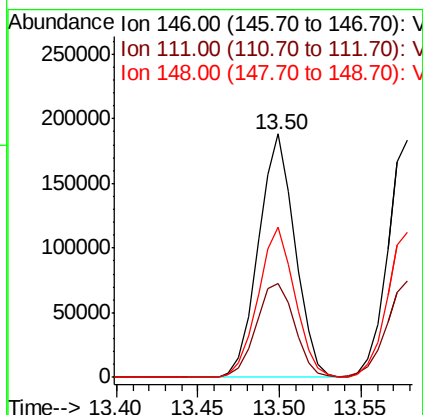
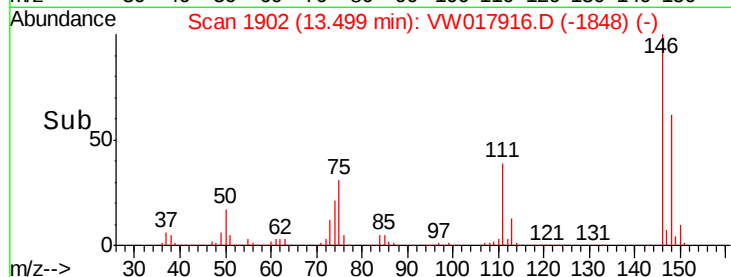
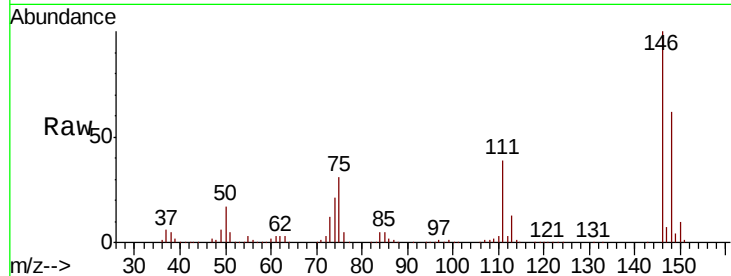
Tot Ion:146 Resp: 290352

Ion Ratio Lower Upper

146 100

111 38.8 28.5 52.9

148 61.5 47.8 88.8



#64

1,4-Dichlorobenzene

Concen: 25.740 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

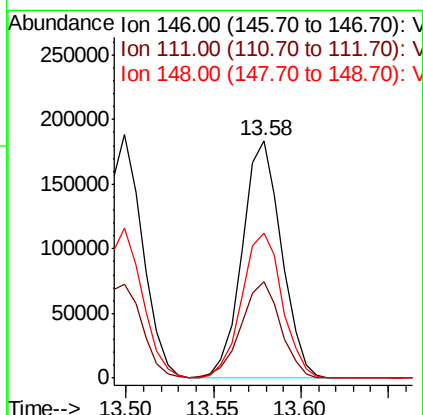
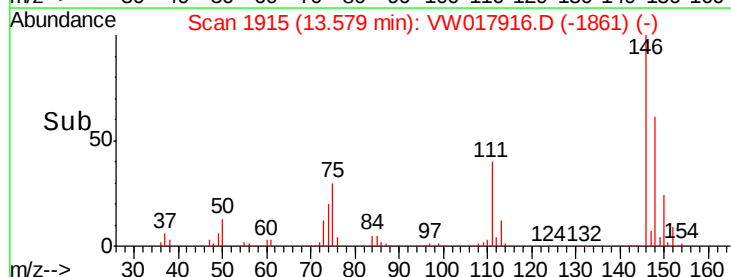
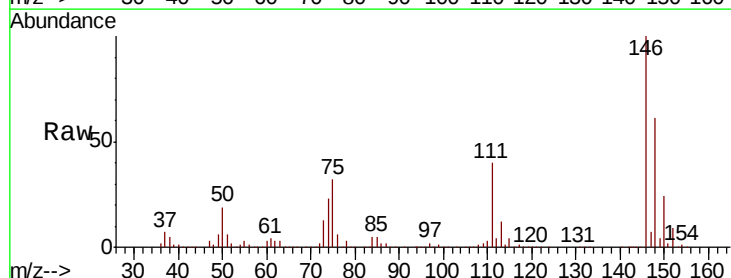
Tgt Ion:146 Resp: 286660

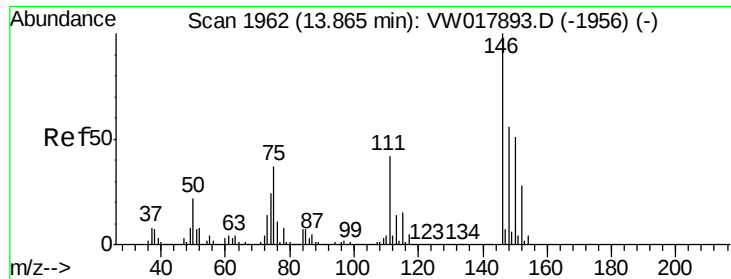
Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

148 61.0 47.0 87.2

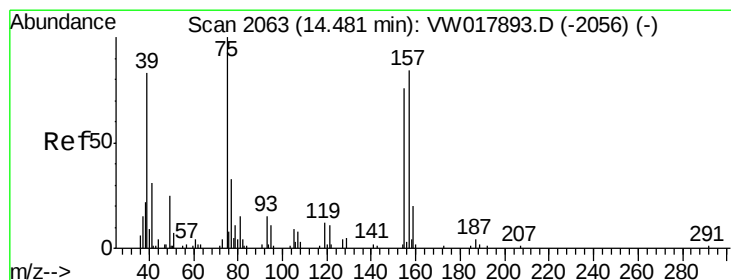
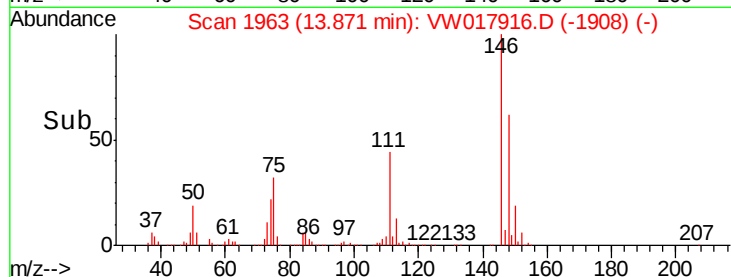
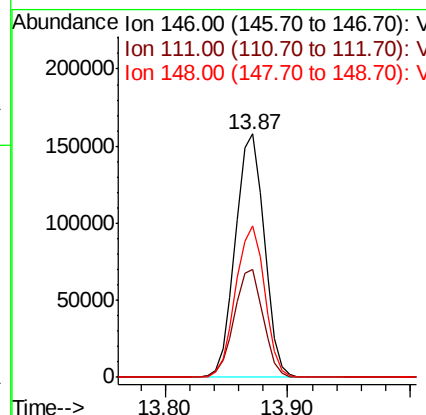
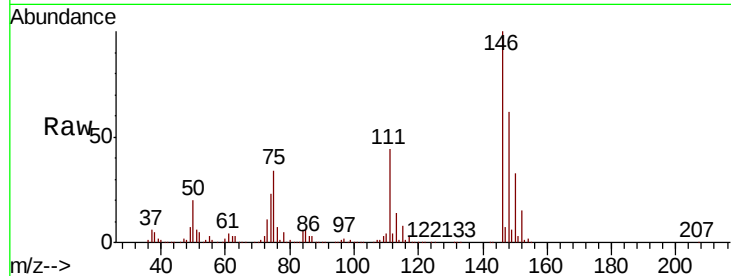




#65
 1,2-Dichlorobenzene
 Concen: 26.519 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

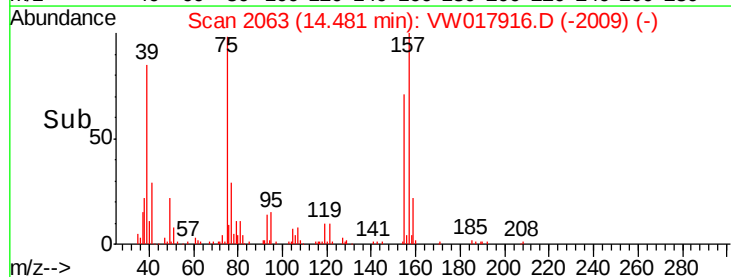
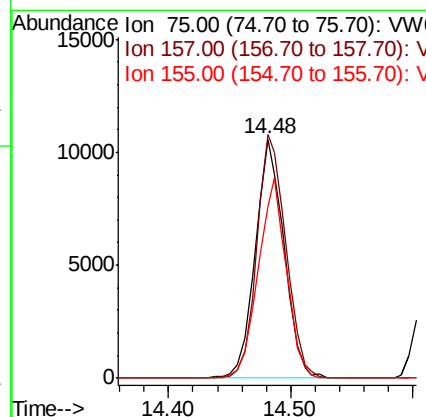
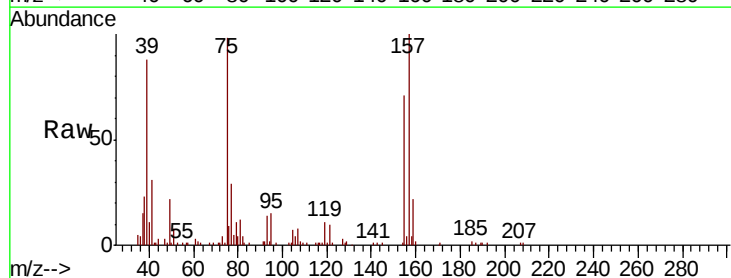
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

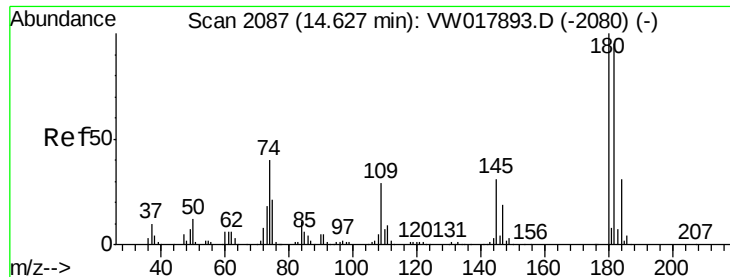
Tot Ion:146 Resp: 258240
 Ion Ratio Lower Upper
 146 100
 111 44.4 31.7 47.5
 148 62.4 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.958 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion: 75 Resp: 17290
 Ion Ratio Lower Upper
 75 100
 157 101.9 99.9 149.9
 155 72.2 71.4 107.0

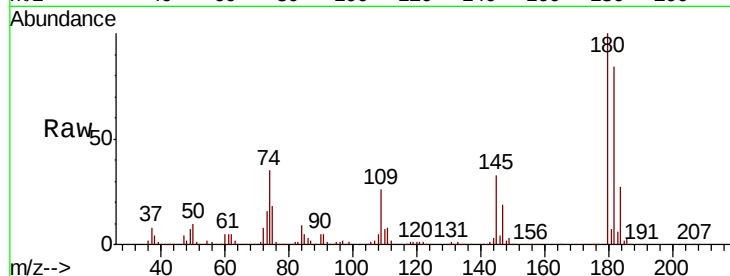




#67
 1,3,5-Trichlorobenzene
 Concen: 26.570 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion:180	Resp:	201867
Ion	Ratio	Lower Upper
180	100	
182	94.3	77.0 115.6
184	29.0	24.2 36.4
145	32.5	23.5 35.3



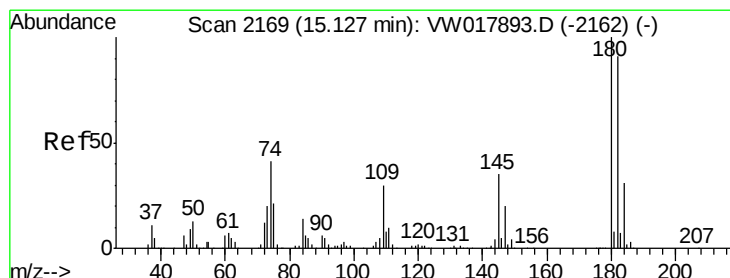
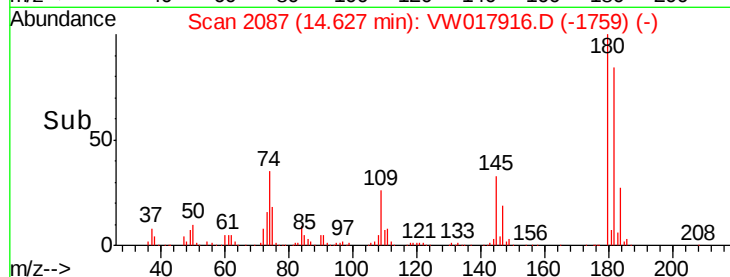
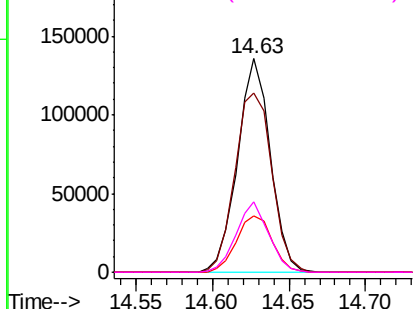
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

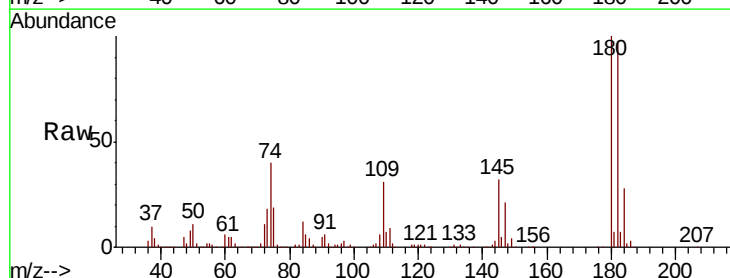
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.127 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VW017916.D
 Acq: 15 Jan 2021 22:28

Tgt Ion:180	Resp:	169640
Ion	Ratio	Lower Upper
180	100	
182	95.7	71.3 106.9
145	32.3	24.0 36.0

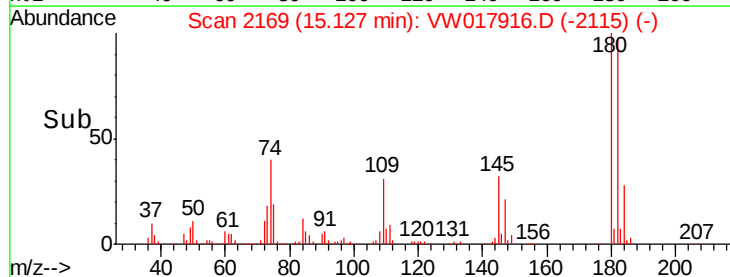
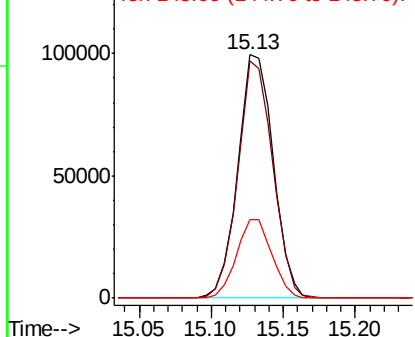


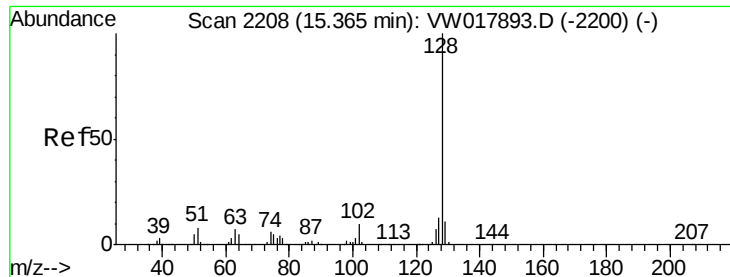
Abundance

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: 27.922 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

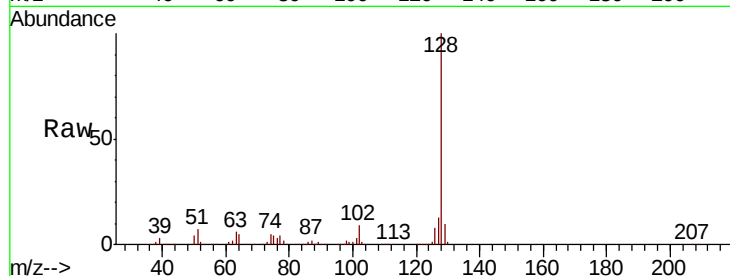
Tot Ion:128 Resp: 332515

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

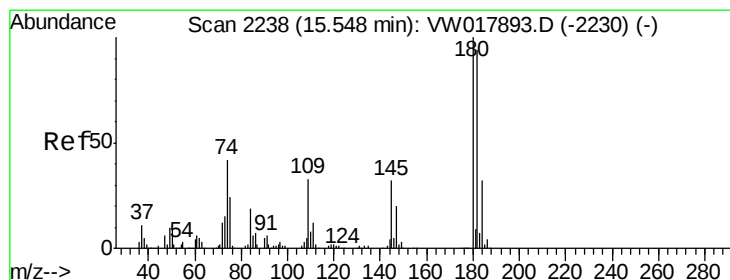
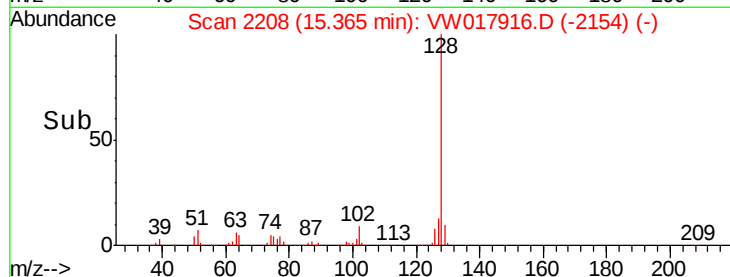
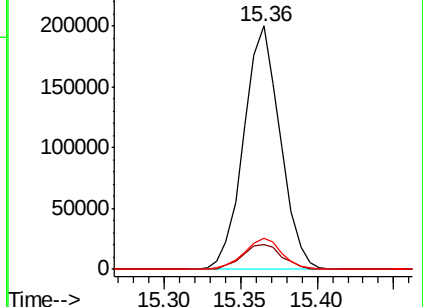
127 13.3 10.7 16.1



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: 27.357 ug/L

RT: 15.55 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VW017916.D

Acq: 15 Jan 2021 22:28

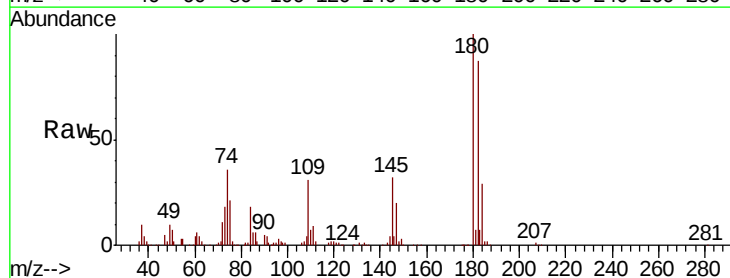
Tgt Ion:180 Resp: 144465

Ion Ratio Lower Upper

180 100

182 94.1 74.7 112.1

145 34.7 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

