

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017893.D
 Acq On : 15 Jan 2021 12:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Jan 18 02:02:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 01:59:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	315000	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	143968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112243	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
7) Chloroethane-d5	2.89	69	103909	25.83	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.32%
10) 1,1-Dichloroethene-d2	4.02	63	214106	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.84%
20) 2-Butanone-d5	7.07	46	25287	32.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.02%
24) Chloroform-d	7.65	84	229766	27.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.64%
26) 1,2-Dichloroethane-d4	8.31	65	118713	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	427640	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	9.27	67	121604	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	402545	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.44%
38) trans-1,3-Dichloropropene-	10.58	79	49158	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.93	63	30503	53.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94974	28.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	127974	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67053	19.280	ug/L 99
3) Chloromethane	2.21	50	73672	23.832	ug/L 97
5) Vinyl chloride	2.37	62	127984	24.472	ug/L 98
6) Bromomethane	2.78	94	95671	24.670	ug/L 100
8) Chloroethane	2.92	64	85323	26.022	ug/L 99
9) Trichlorofluoromethane	3.26	101	97167	22.646	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	104487	26.092	ug/L # 72
12) 1,1-Dichloroethene	4.04	96	96277	24.800	ug/L 92
13) Acetone	4.13	43	28851	42.295	ug/L 93
14) Carbon disulfide	4.39	76	256683	22.143	ug/L 99
15) Methyl Acetate	4.67	43	35148	26.585	ug/L 95
16) Methylene chloride	4.91	84	104862	23.279	ug/L 88
17) Methyl tert-butyl Ether	5.42	73	118587	24.103	ug/L 96
18) trans-1,2-Dichloroethene	5.42	96	103727	24.772	ug/L 95
19) 1,1-Dichloroethane	6.21	63	194376	27.170	ug/L 100
21) 2-Butanone	7.17	43	46707	50.905	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	109745	24.942	ug/L 92

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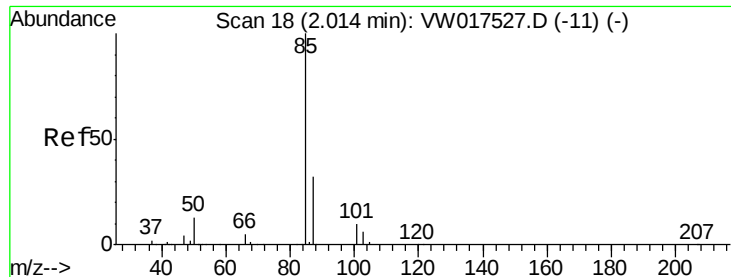
Instrument :
 MSVOA_W
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	46937	25.182	ug/L #	80
25) Chloroform	7.67	83	204019	27.103	ug/L	98
27) 1,2-Dichloroethane	8.40	62	133123	27.339	ug/L #	94
30) Cyclohexane	7.95	56	171024	24.731	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	167607	25.079	ug/L	95
32) Carbon tetrachloride	8.07	117	160287	25.422	ug/L	97
34) Benzene	8.32	78	433937	26.122	ug/L	100
35) Trichloroethene	9.09	95	118231	25.713	ug/L	92
36) Methylcyclohexane	9.34	83	201560	25.076	ug/L	97
40) 1,2-Dichloropropane	9.37	63	104984	26.771	ug/L	98
41) Bromodichloromethane	9.64	83	143243	26.684	ug/L #	99
42) cis-1,3-Dichloropropene	10.07	75	162457	25.960	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	99798	52.381	ug/L	95
44) Toluene	10.38	91	485669	25.639	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	135952	25.512	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	73887	25.348	ug/L	98
47) Tetrachloroethene	10.86	164	88867	24.720	ug/L	96
49) 2-Hexanone	10.97	43	66163	48.946	ug/L	93
50) Dibromochloromethane	11.13	129	86944	25.124	ug/L	98
51) 1,2-Dibromoethane	11.23	107	69487	25.180	ug/L #	99
52) Chlorobenzene	11.65	112	300098	25.378	ug/L	95
53) Ethylbenzene	11.73	91	562697	26.181	ug/L	100
54) m,p-Xylene	11.84	106	209796	24.953	ug/L	97
55) o-xylene	12.16	106	195457	24.720	ug/L	96
56) Styrene	12.18	104	337141	25.634	ug/L	94
57) Isopropylbenzene	12.46	105	568499	25.970	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	85807	26.374	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	62684	26.210	ug/L	98
62) Bromoform	12.35	173	42221	23.968	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	227027	25.549	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	219068	24.532	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	196660	25.187	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	12609	24.519	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.63	180	161933	26.582	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	126126	25.154	ug/L	94
69) Naphthalene	15.36	128	223154	23.370	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	101620	24.000	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 19.280 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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ClientSampleId :

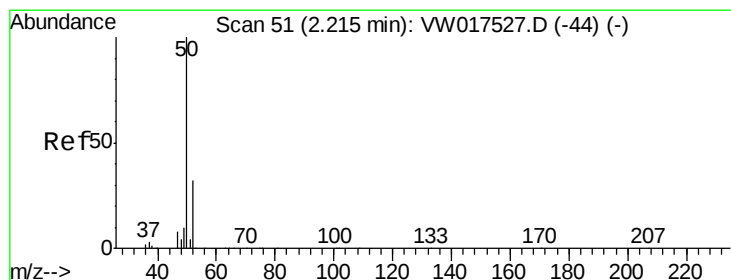
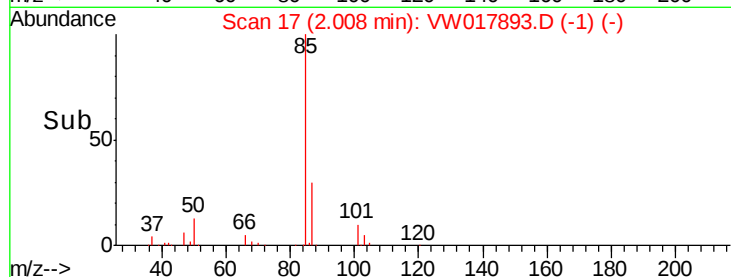
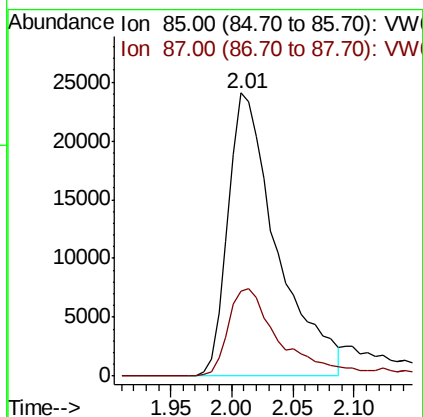
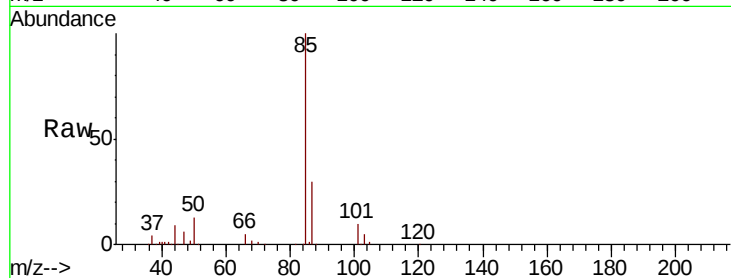
VSTD02521

Tot Ion: 85 Resp: 67053

Ion Ratio Lower Upper

85 100

87 32.6 23.2 43.0



#3

Chloromethane

Concen: 23.832 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017893.D

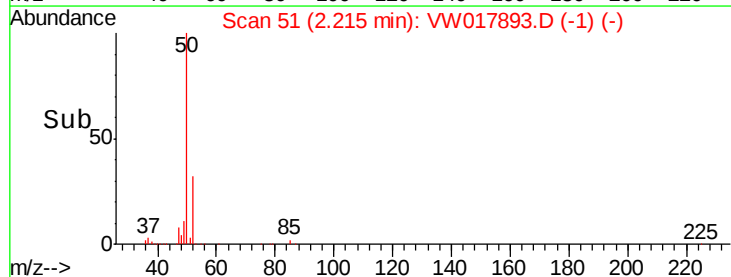
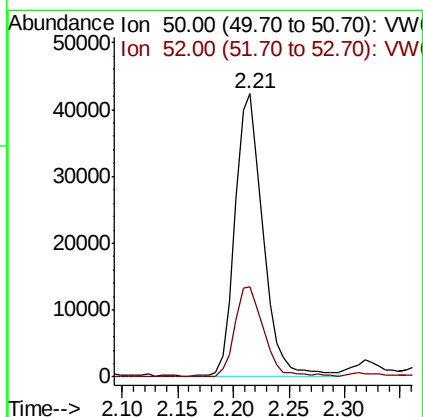
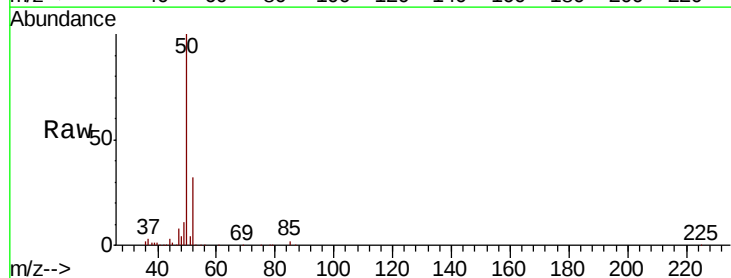
Acq: 15 Jan 2021 12:37

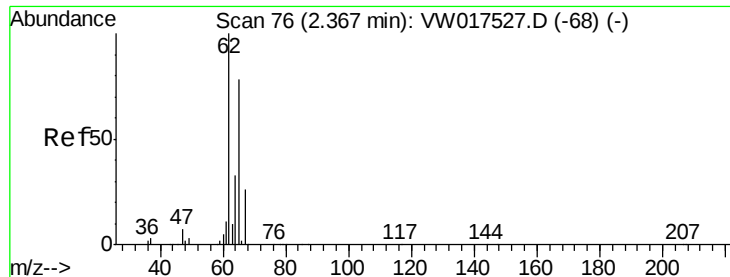
Tgt Ion: 50 Resp: 73672

Ion Ratio Lower Upper

50 100

52 32.0 23.4 43.6





#5

Vinyl chloride

Concen: 24.472 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

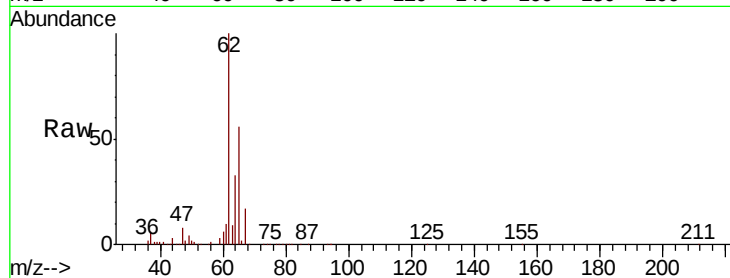
VSTD02521

Tot Ion: 62 Resp: 127984

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

60000

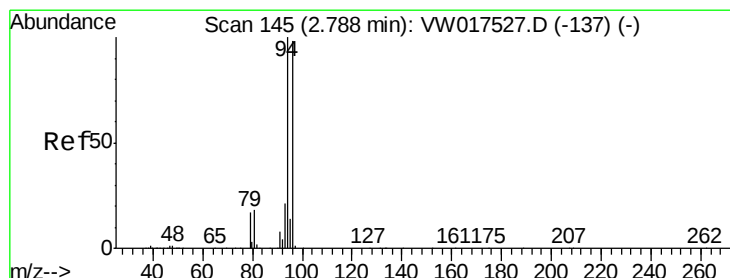
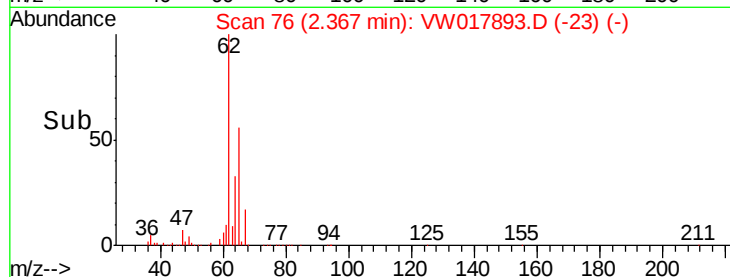
40000

20000

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Time-->

2.30 2.35 2.40 2.45



#6

Bromomethane

Concen: 24.670 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017893.D

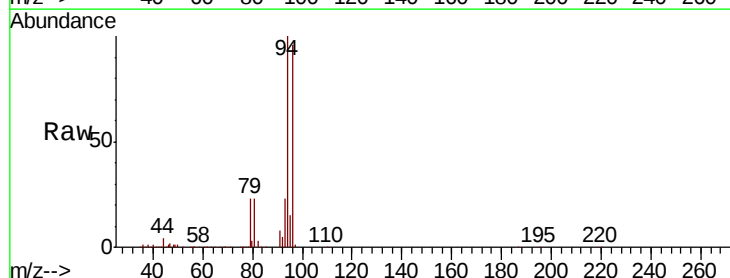
Acq: 15 Jan 2021 12:37

Tgt Ion: 94 Resp: 95671

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

50000

40000

30000

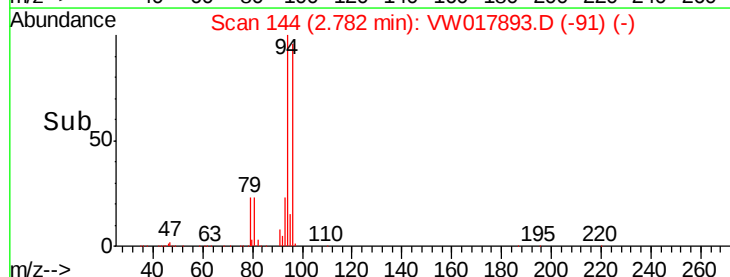
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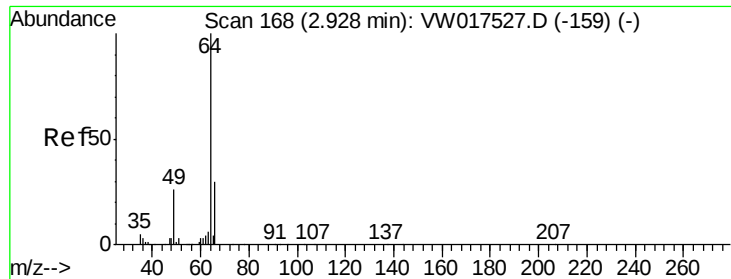
10000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 26.022 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

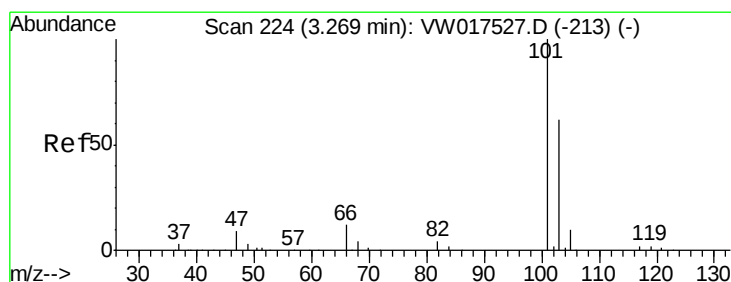
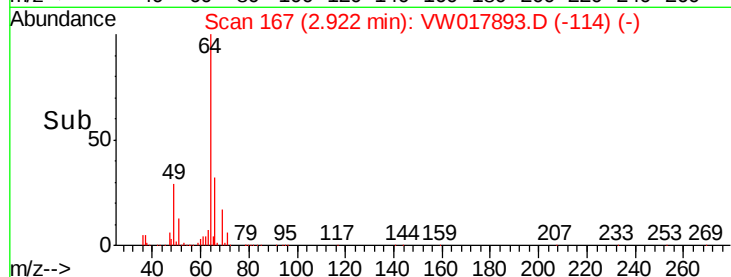
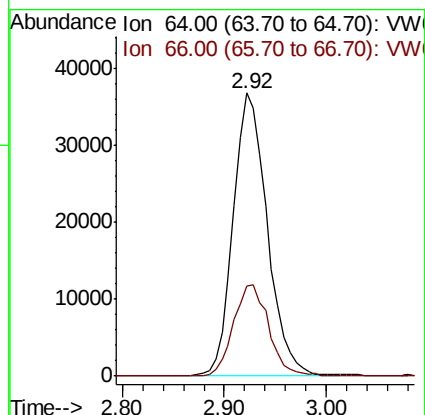
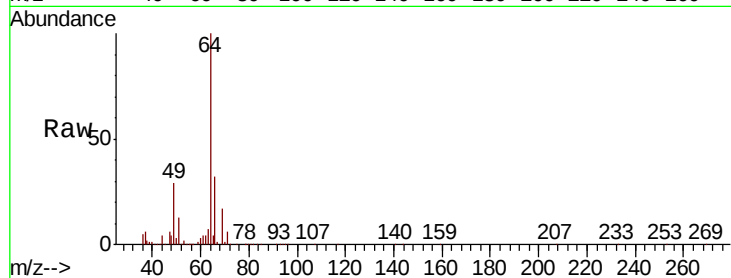
VSTD02521

Tot Ion: 64 Resp: 85323

Ion Ratio Lower Upper

64 100

66 31.8 22.0 41.0



#9

Trichlorofluoromethane

Concen: 22.646 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017893.D

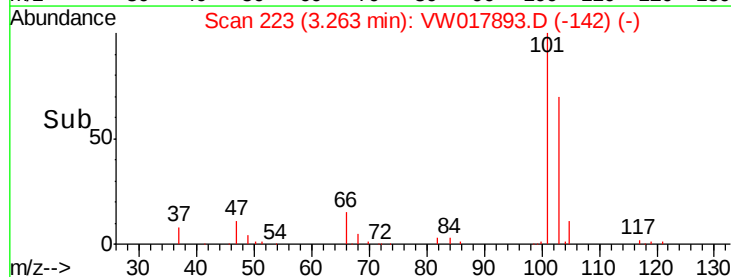
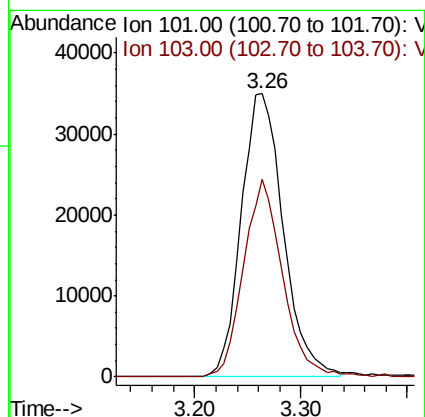
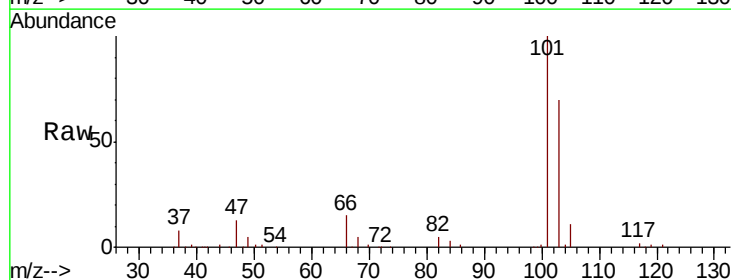
Acq: 15 Jan 2021 12:37

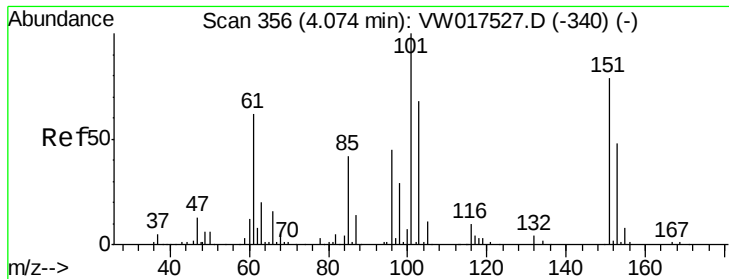
Tgt Ion: 101 Resp: 97167

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 26.092 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

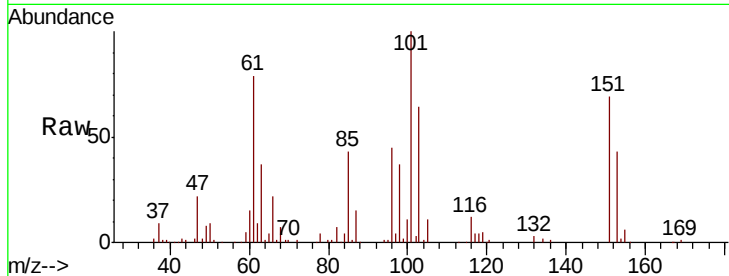
Tot Ion:101 Resp: 104487

Ion Ratio Lower Upper

101 100

85 47.9 34.2 51.4

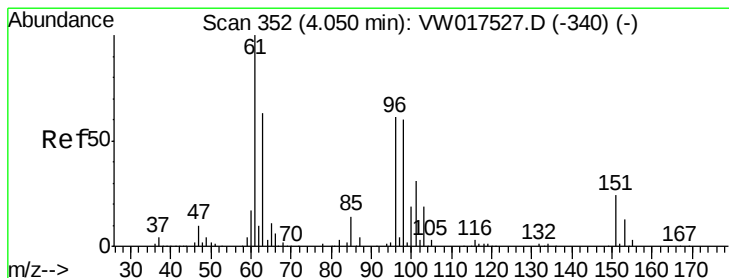
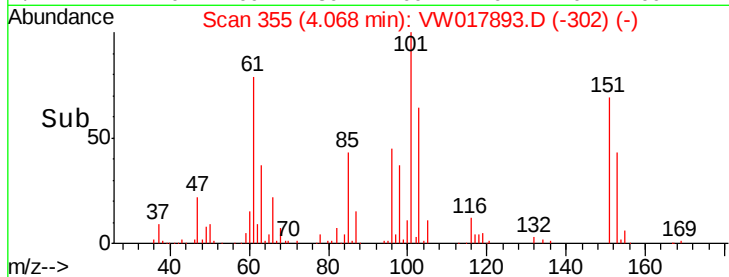
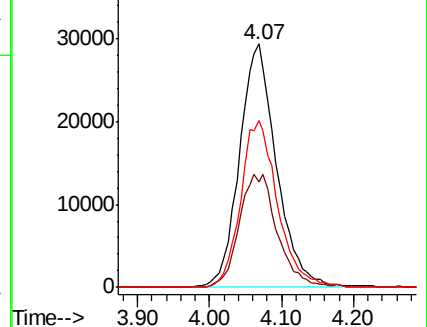
151 68.4 30.4 45.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.800 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

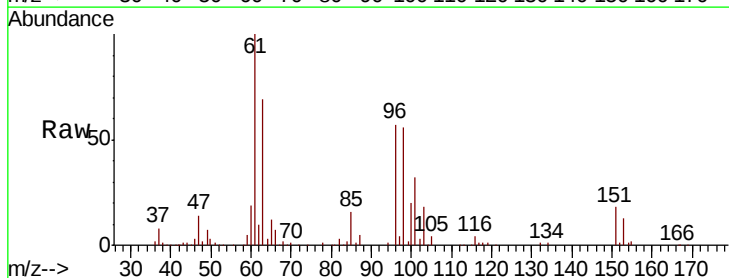
Tgt Ion: 96 Resp: 96277

Ion Ratio Lower Upper

96 100

61 177.0 112.5 208.9

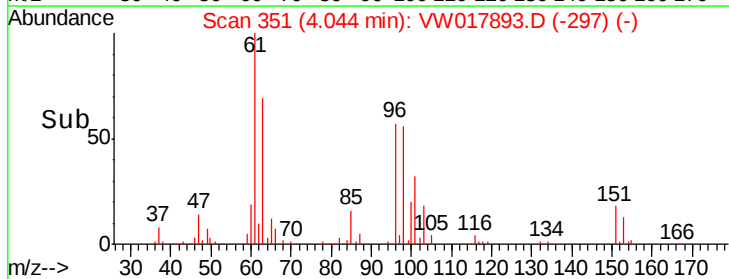
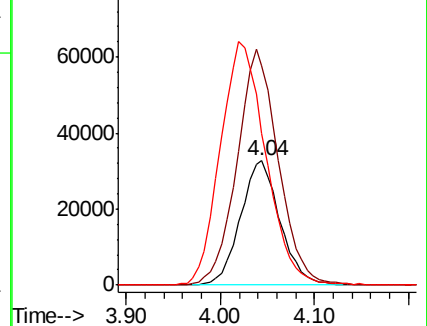
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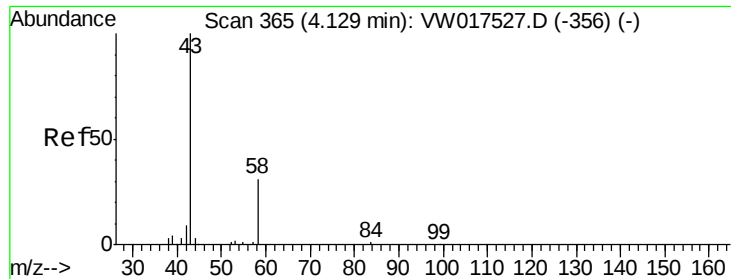


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.295 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

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ClientSampleId :

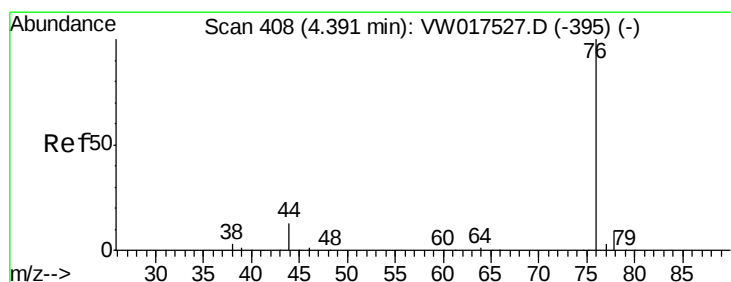
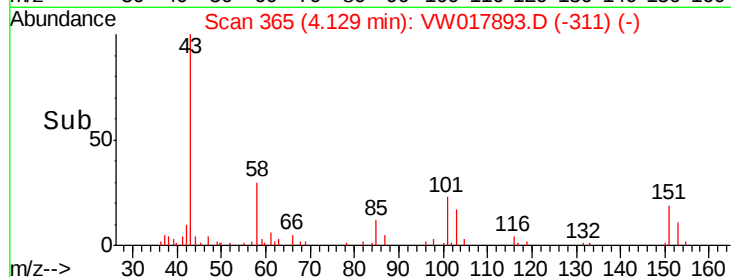
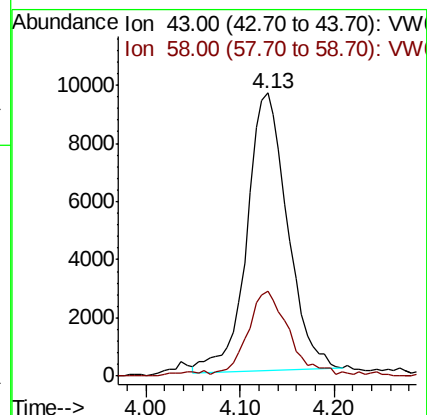
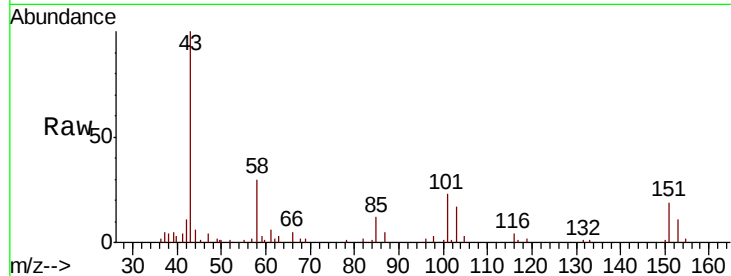
VSTD02521

Tot Ion: 43 Resp: 28851

Ion Ratio Lower Upper

43 100

58 30.4 0.0 68.4



#14

Carbon disulfide

Concen: 22.143 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017893.D

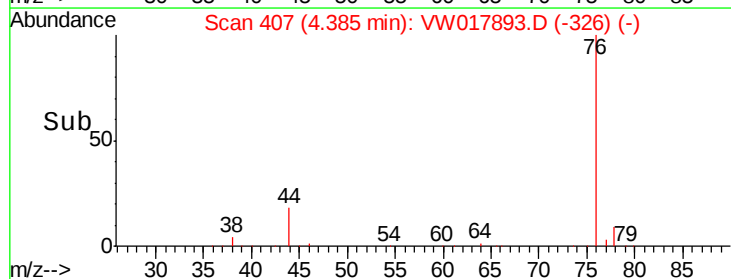
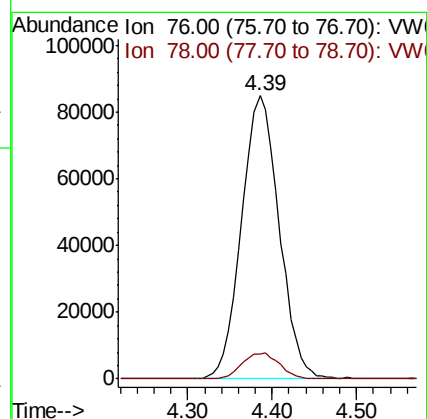
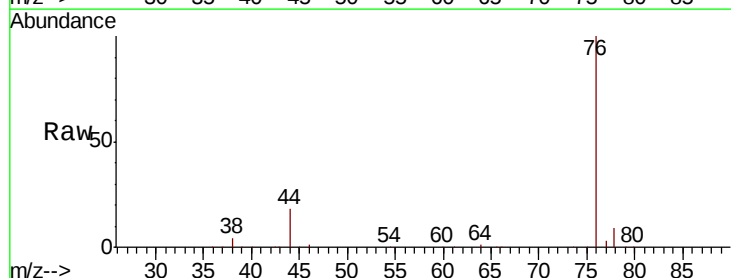
Acq: 15 Jan 2021 12:37

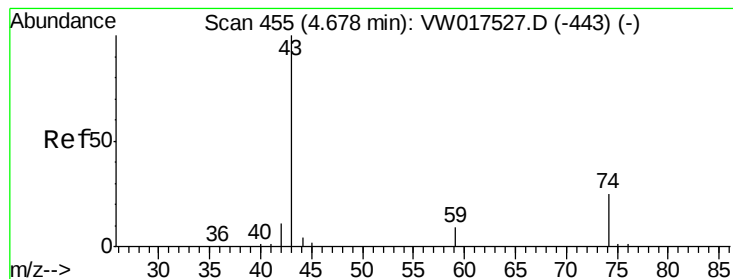
Tgt Ion: 76 Resp: 256683

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4





#15

Methvl Acetate

Concen: 26.585 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

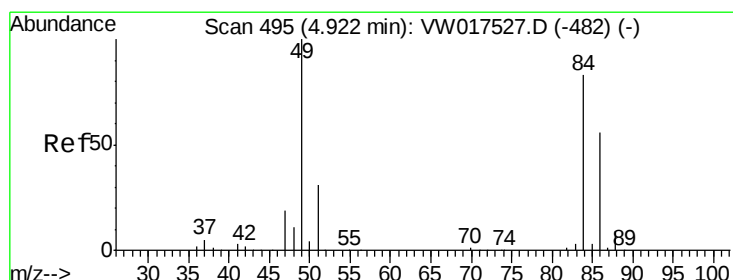
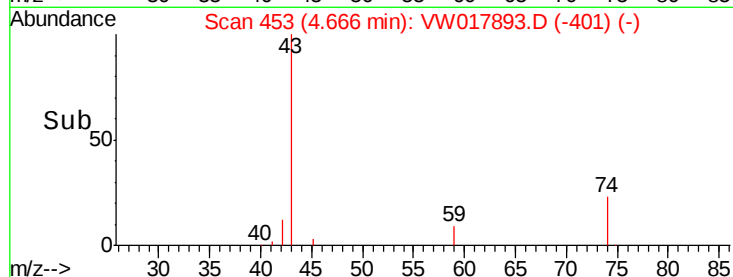
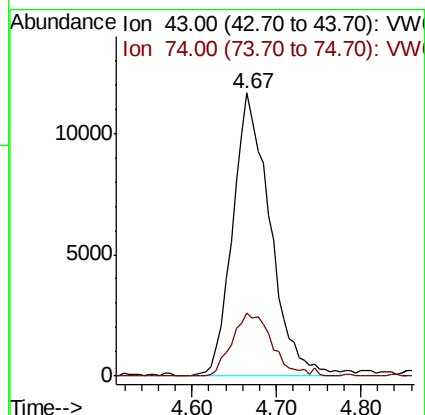
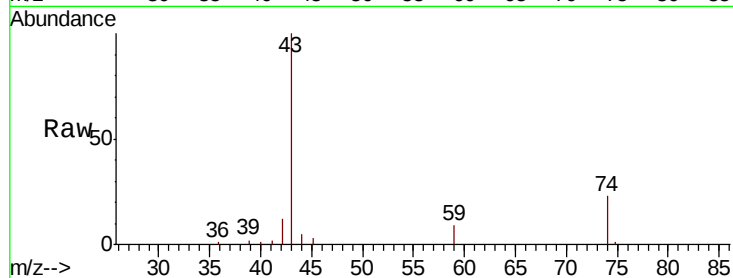
VSTD02521

Tot Ion: 43 Resp: 35148

Ion Ratio Lower Upper

43 100

74 23.2 20.7 31.1



#16

Methylene chloride

Concen: 23.279 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

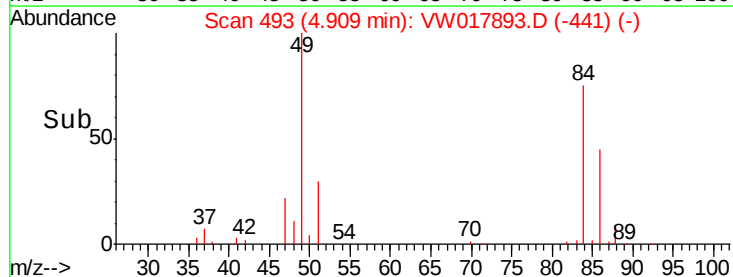
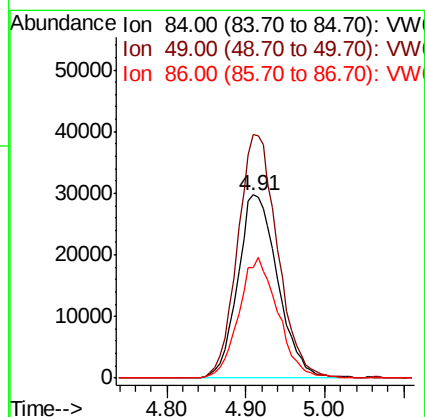
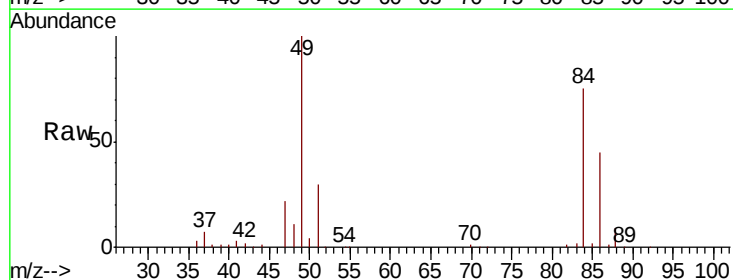
Tgt Ion: 84 Resp: 104862

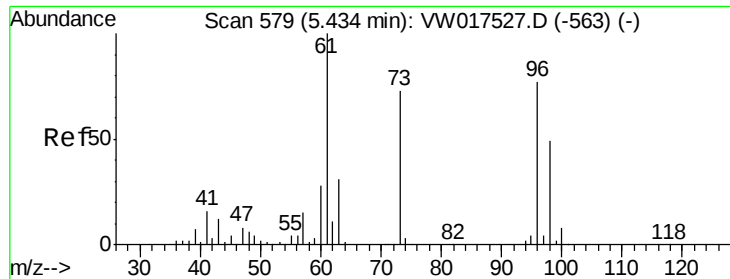
Ion Ratio Lower Upper

84 100

49 133.1 81.2 150.8

86 60.3 44.5 82.7

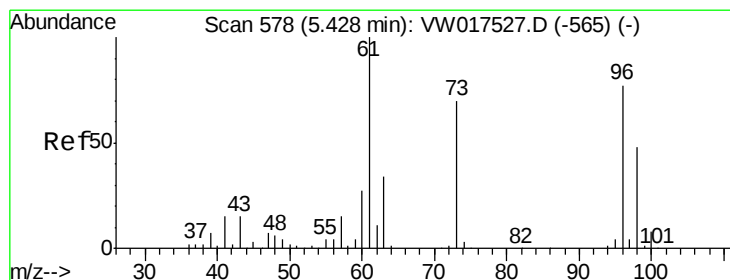
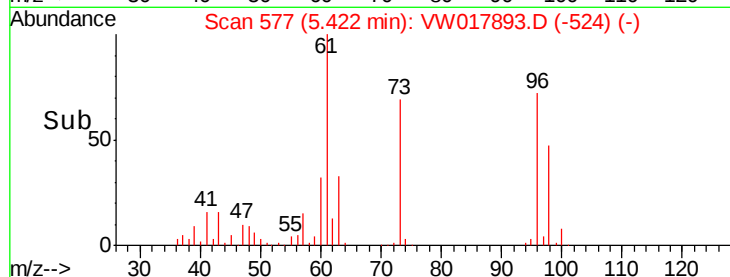
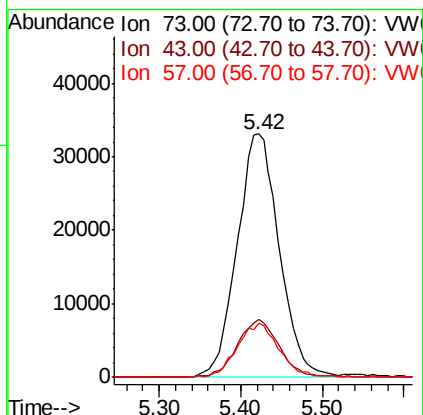
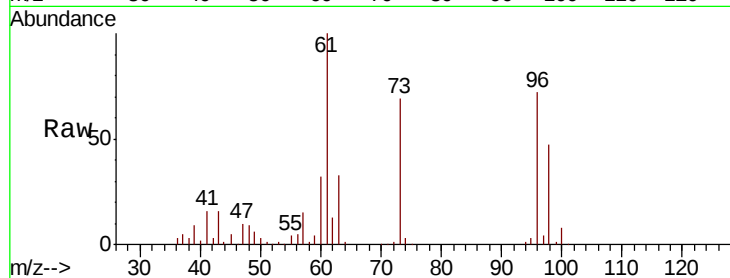




#17
Methvl tert-butvl Ether
Concen: 24.103 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

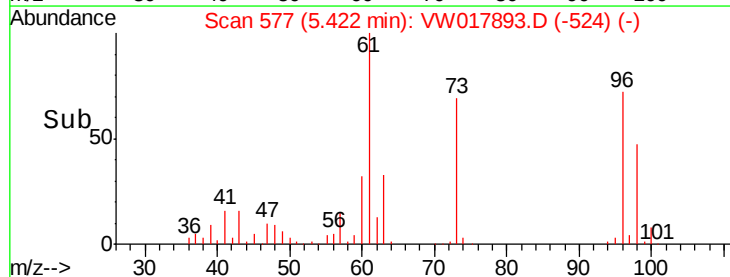
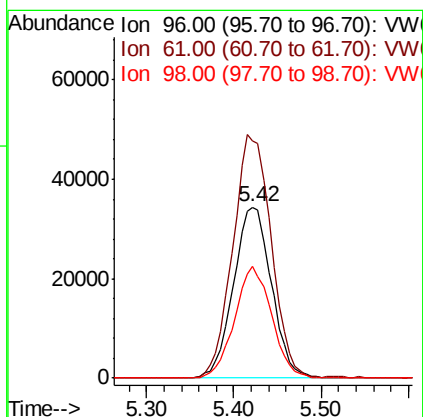
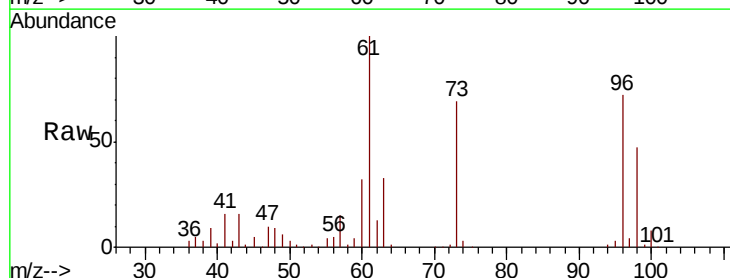
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

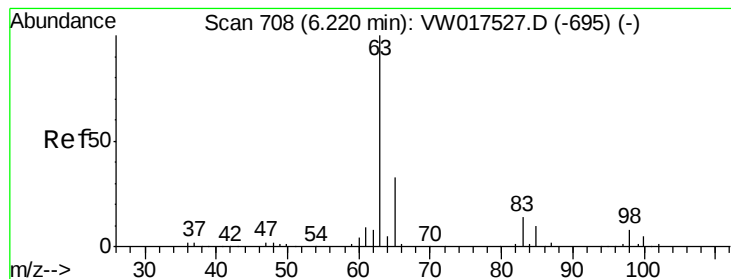
Tot Ion: 73 Resp: 118587
Ion Ratio Lower Upper
73 100
43 23.4 16.2 24.4
57 21.0 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.772 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 96 Resp: 103727
Ion Ratio Lower Upper
96 100
61 138.8 92.7 172.1
98 65.1 43.3 80.3





#19

1,1-Dichloroethane

Concen: 27.170 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

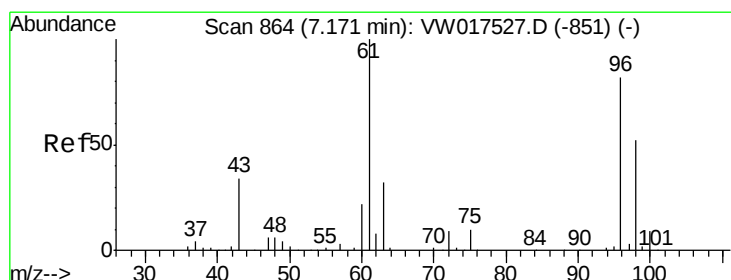
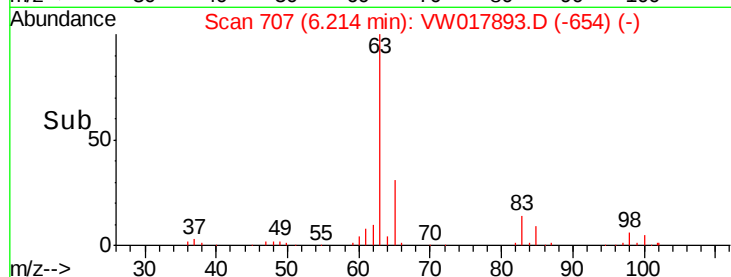
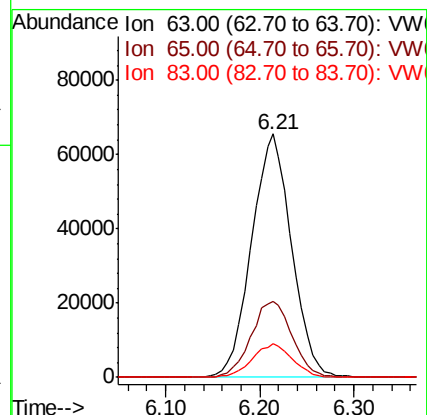
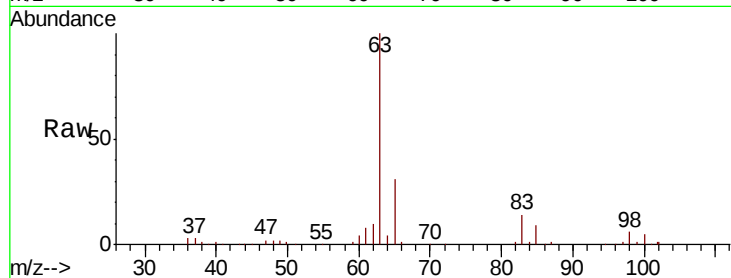
Tot Ion: 63 Resp: 194376

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

83 13.7 9.4 17.6



#21

2-Butanone

Concen: 50.905 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017893.D

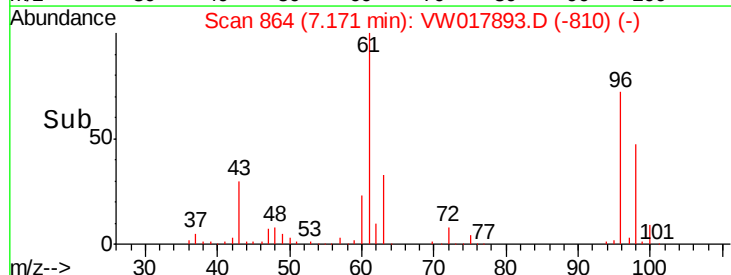
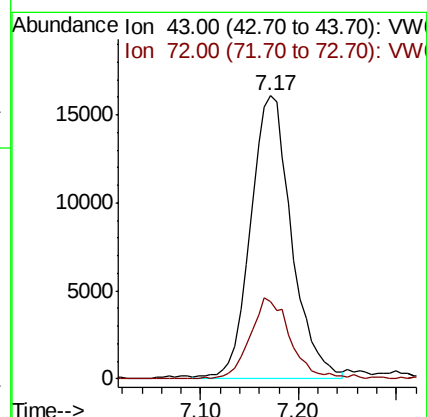
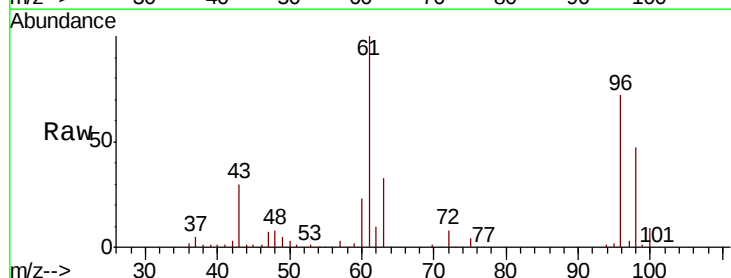
Acq: 15 Jan 2021 12:37

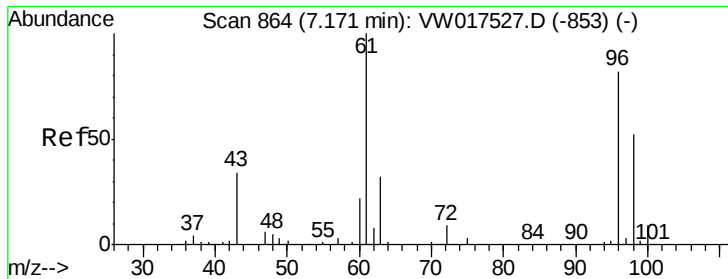
Tgt Ion: 43 Resp: 46707

Ion Ratio Lower Upper

43 100

72 27.4 14.4 43.2



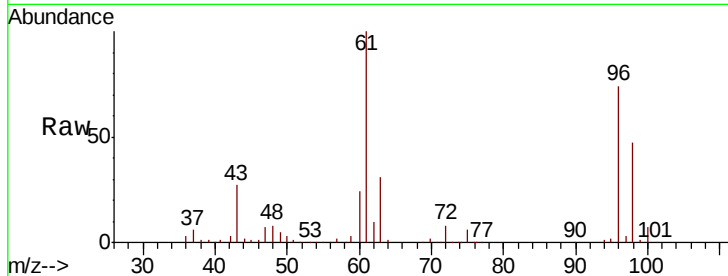


#22

cis-1,2-Dichloroethene
 Concen: 24.942 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	84.6	157.2
98	63.4	44.7	82.9

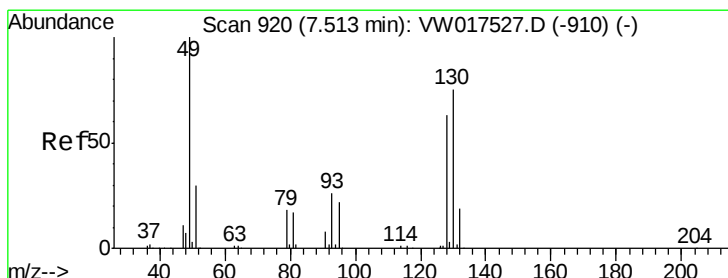
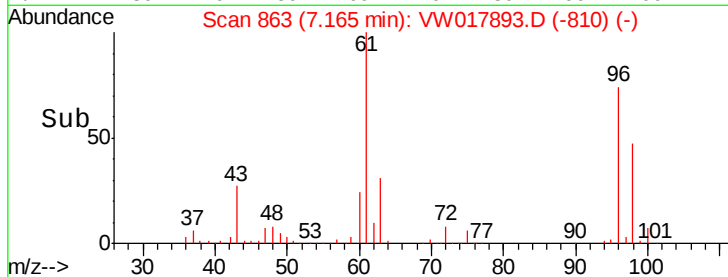
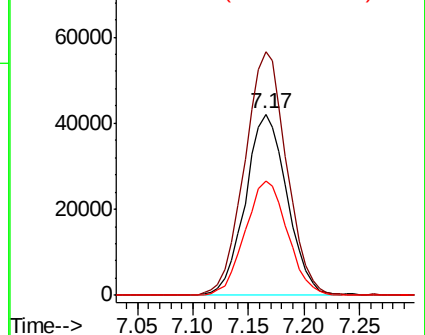


Abundance

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: 25.182 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	186.6	101.6	188.6
130	122.6	90.4	167.8
51	57.4	37.7	56.5

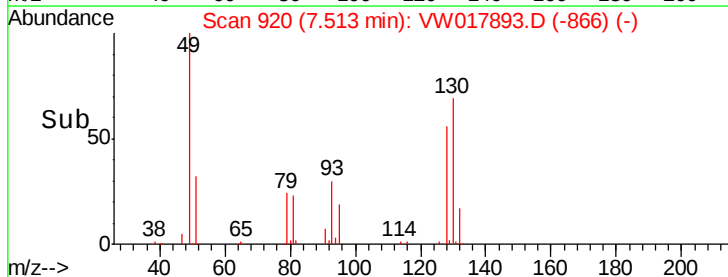
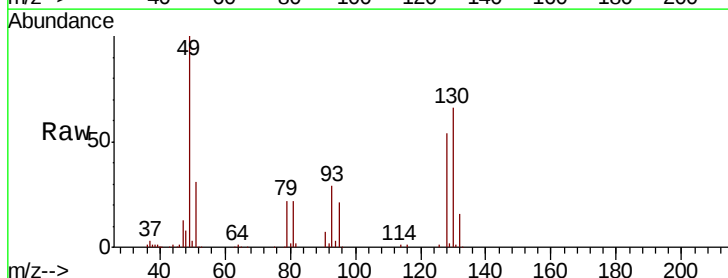
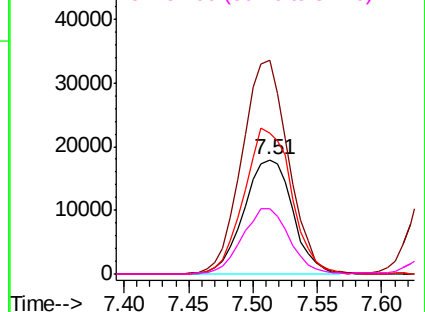
Abundance

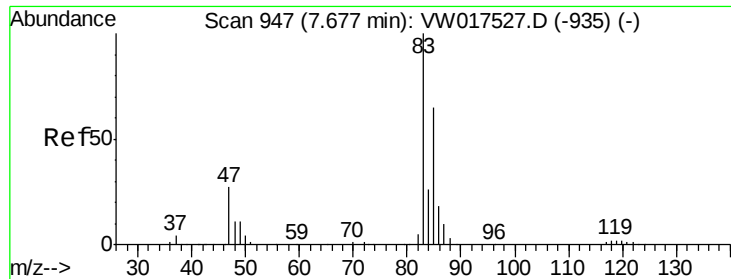
Ion 128.00 (127.70 to 128.70): V

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

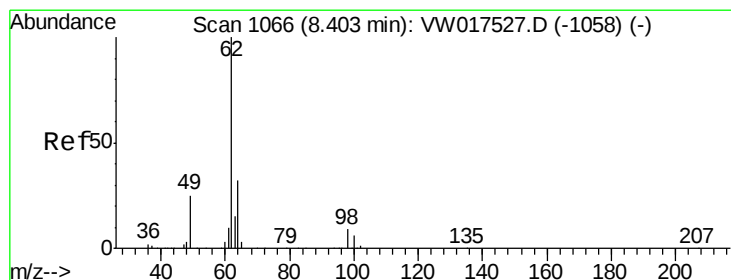
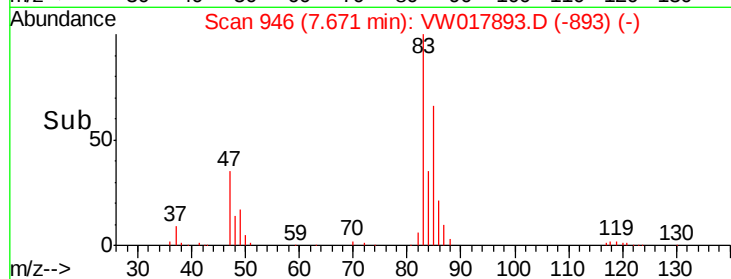
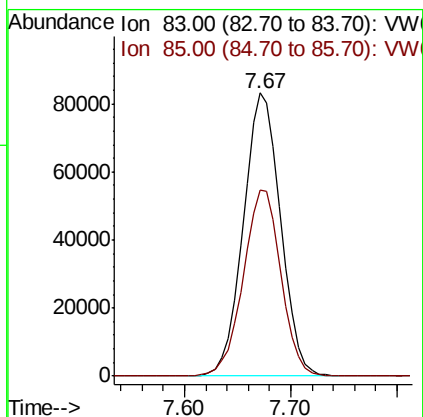
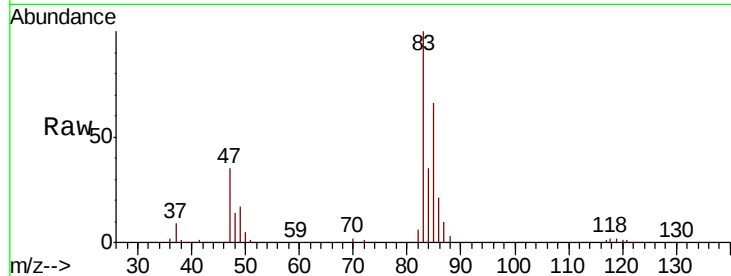




#25
Chloroform
Concen: 27.103 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

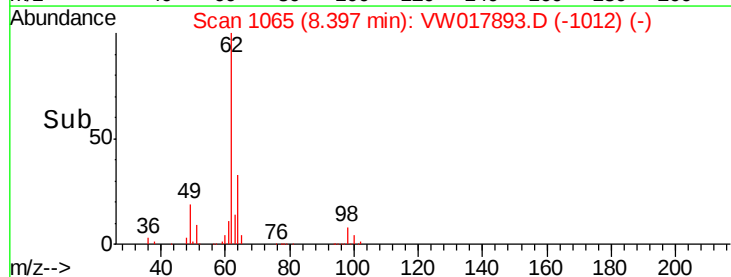
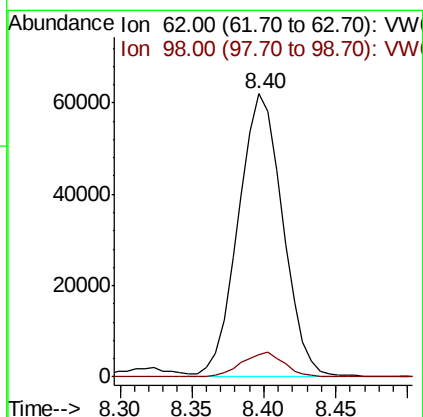
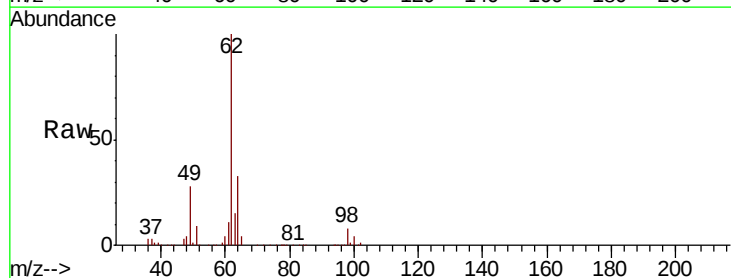
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

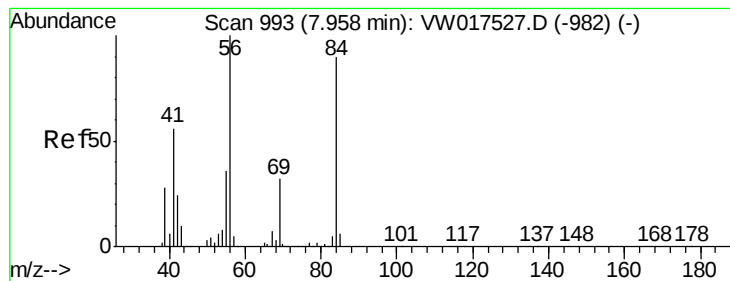
Tot Ion: 83 Resp: 204019
Ion Ratio Lower Upper
83 100
85 66.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.339 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion: 62 Resp: 133123
Ion Ratio Lower Upper
62 100
98 7.8 8.0 12.0#





#30

Cyclohexane

Concen: 24.731 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

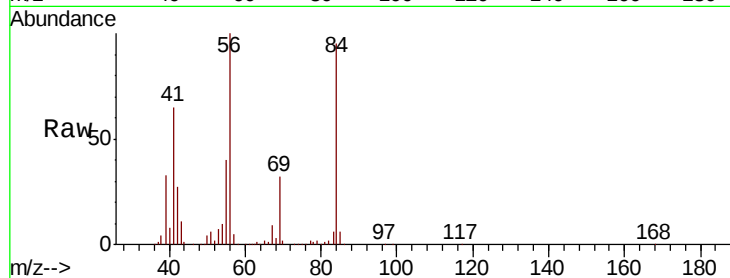
Tot Ion: 56 Resp: 171024

Ion Ratio Lower Upper

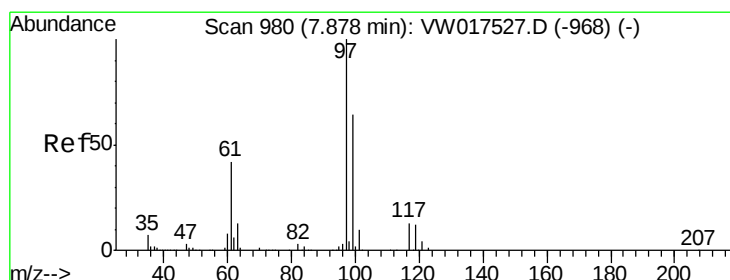
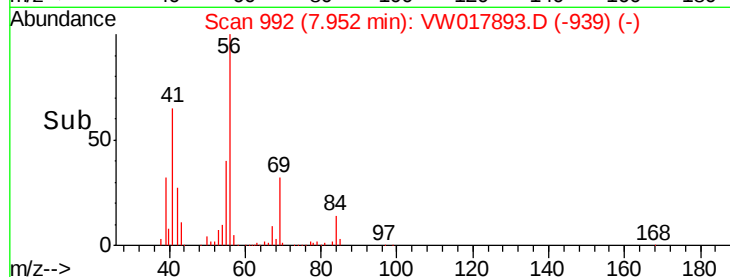
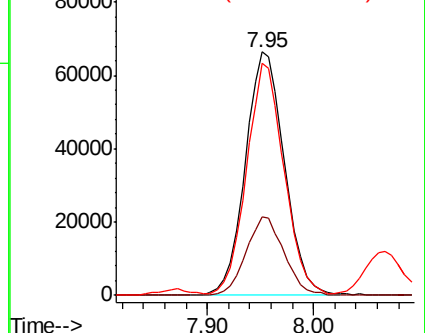
56 100

69 31.3 24.8 37.2

84 91.7 74.2 111.4



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



#31

1,1,1-Trichloroethane

Concen: 25.079 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

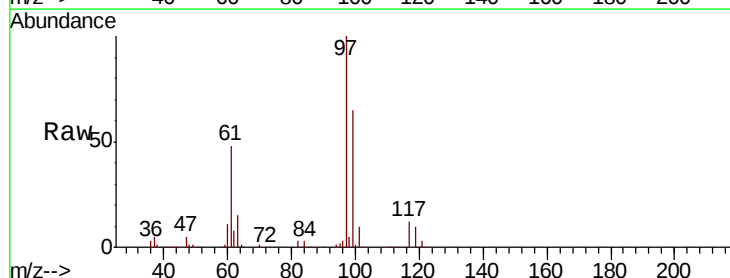
Tgt Ion: 97 Resp: 167607

Ion Ratio Lower Upper

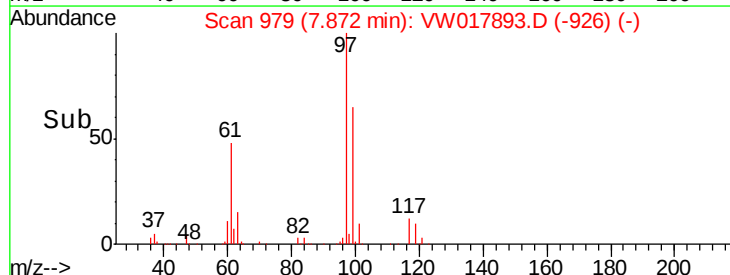
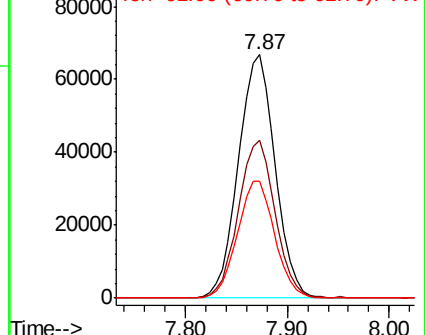
97 100

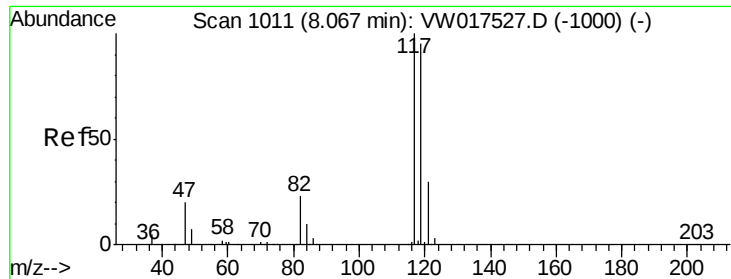
99 64.7 51.0 76.4

61 48.6 33.6 50.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.422 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

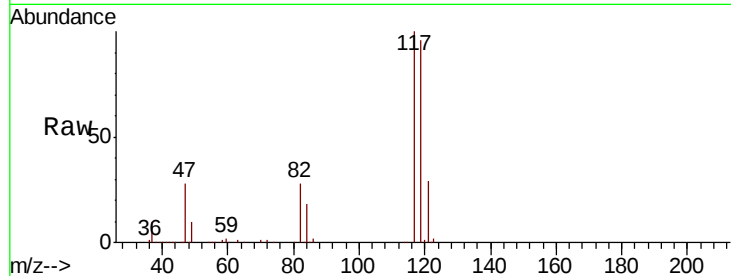
VSTD02521

Tot Ion:117 Resp: 160287

Ion Ratio Lower Upper

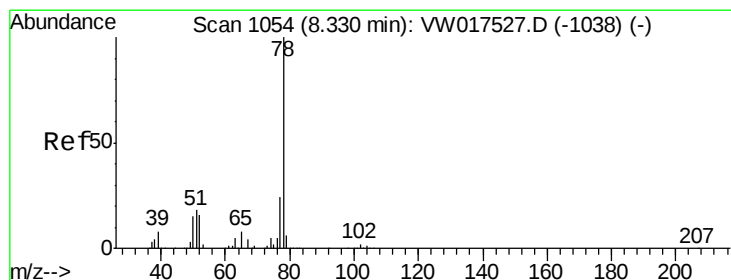
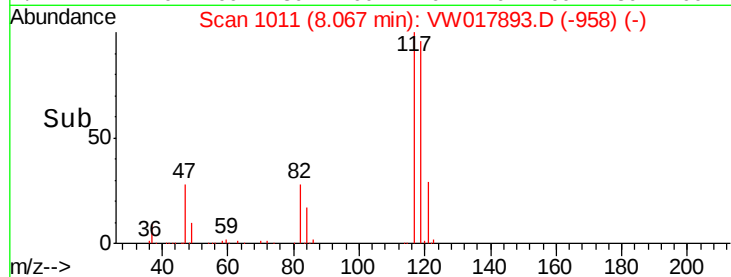
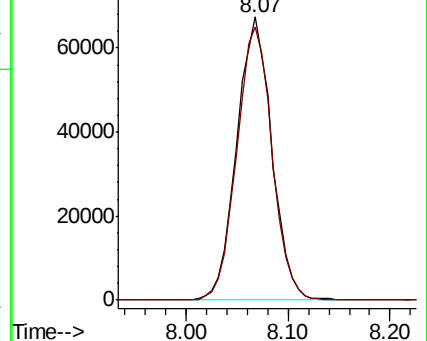
117 100

119 97.3 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: 26.122 ug/L

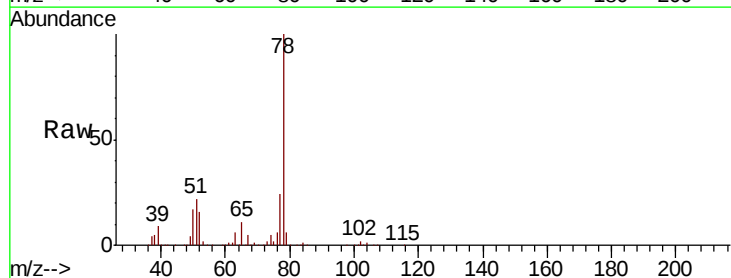
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

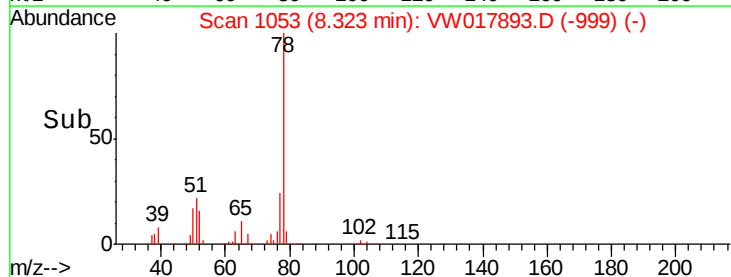
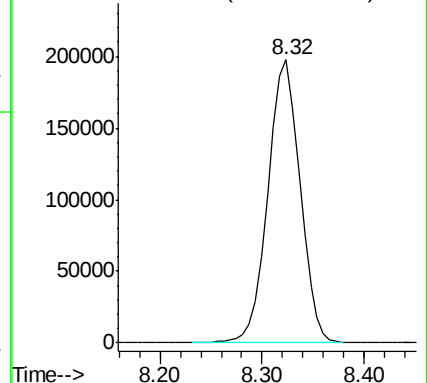
Lab File: VW017893.D

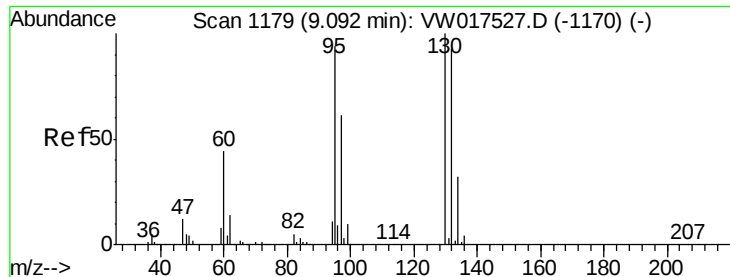
Acq: 15 Jan 2021 12:37

Tgt Ion: 78 Resp: 433937



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.713 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 95 Resp: 118231

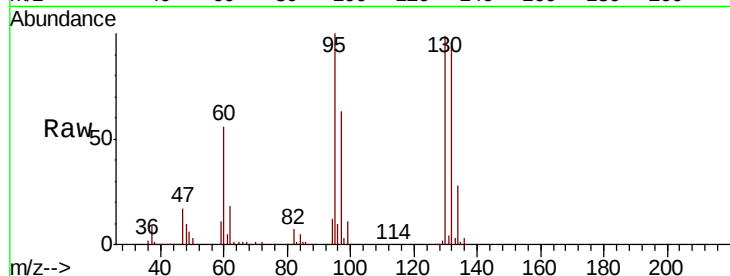
Ion Ratio Lower Upper

95 100

97 63.5 45.0 83.6

132 92.7 71.0 131.8

130 96.8 75.6 140.4

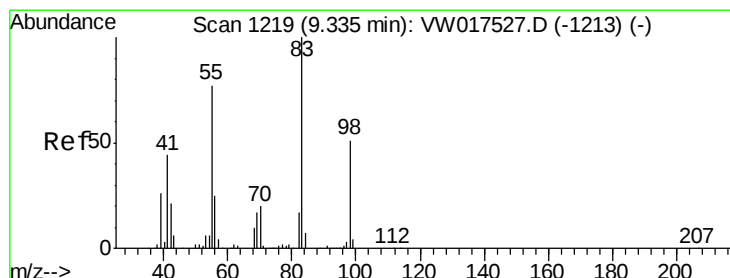
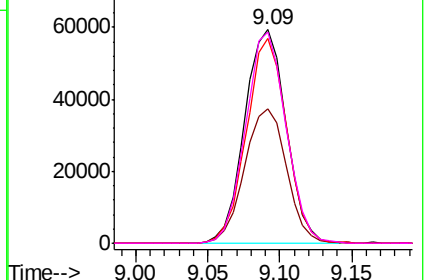
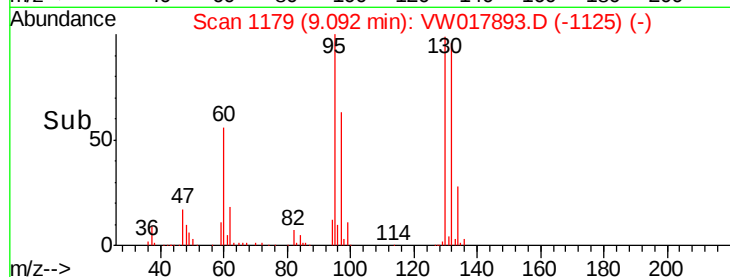


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.076 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

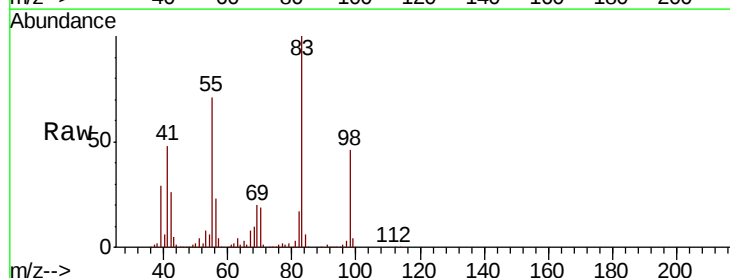
Tgt Ion: 83 Resp: 201560

Ion Ratio Lower Upper

83 100

55 76.2 59.4 89.0

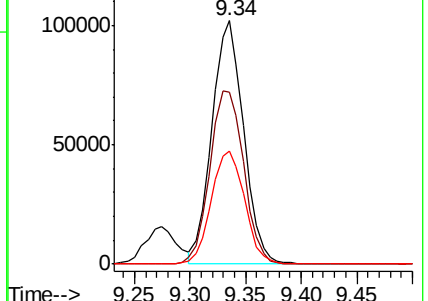
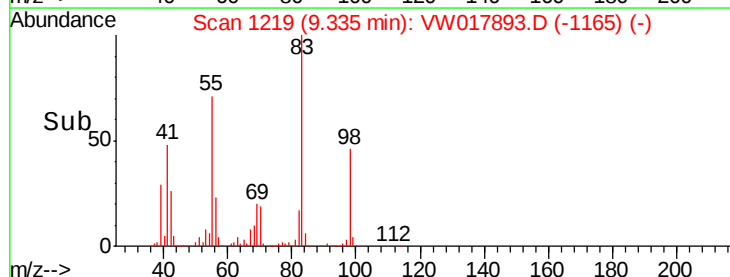
98 48.6 40.7 61.1

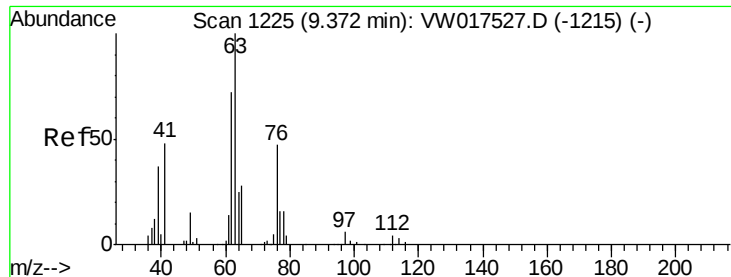


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

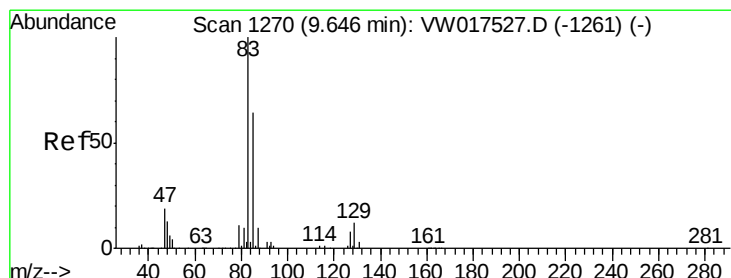
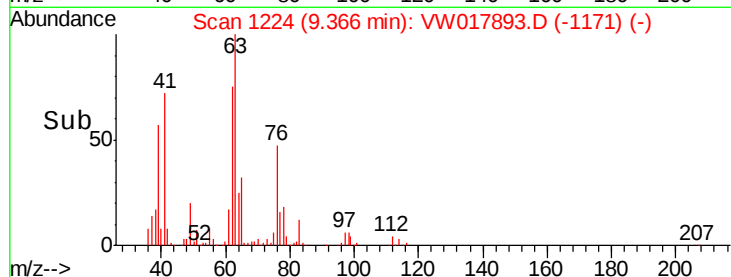
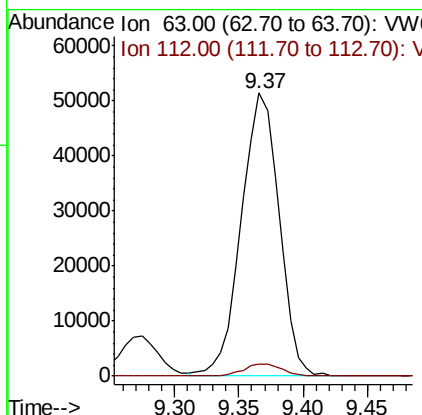
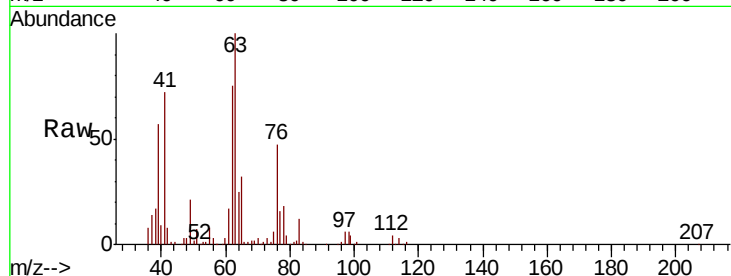




#40
 1,2-Dichloropropane
 Concen: 26.771 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

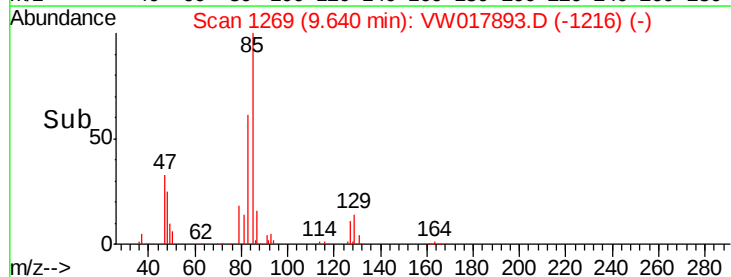
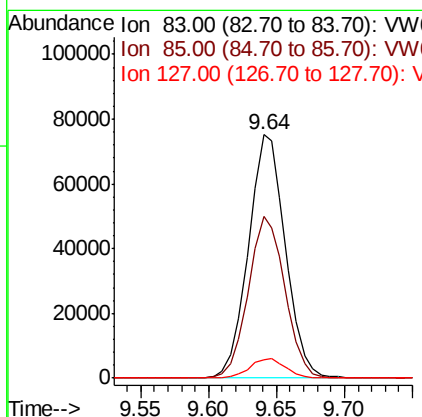
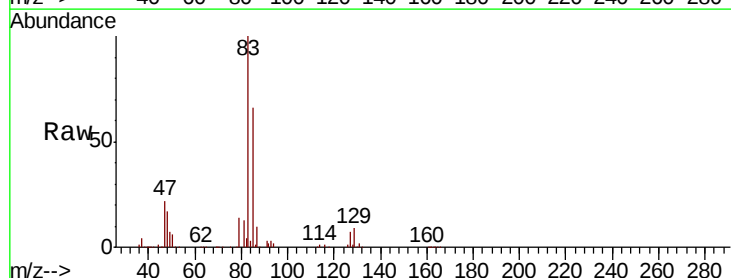
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

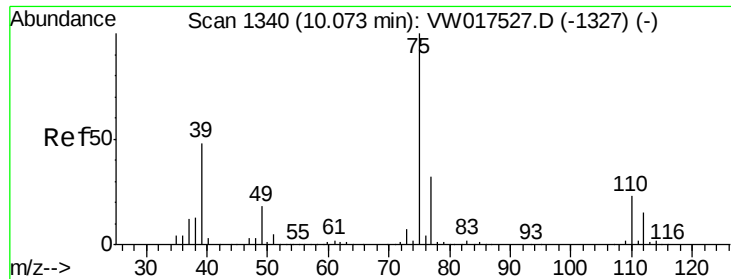
Tot Ion: 63 Resp: 104984
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.2 6.4



#41
 Bromodichloromethane
 Concen: 26.684 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion: 83 Resp: 143243
 Ion Ratio Lower Upper
 83 100
 85 66.2 46.8 86.8
 127 7.4 7.6 11.4#

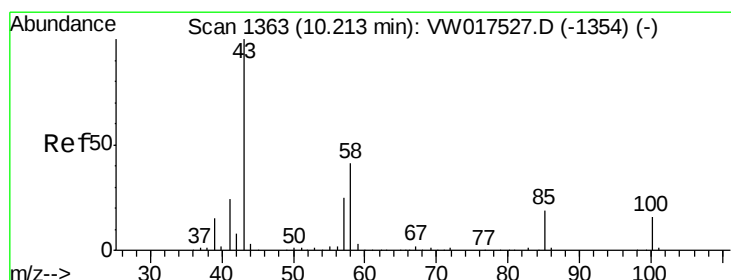
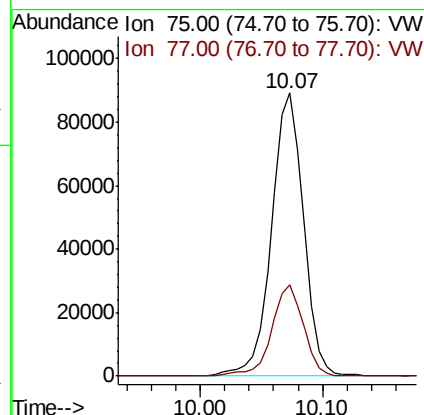
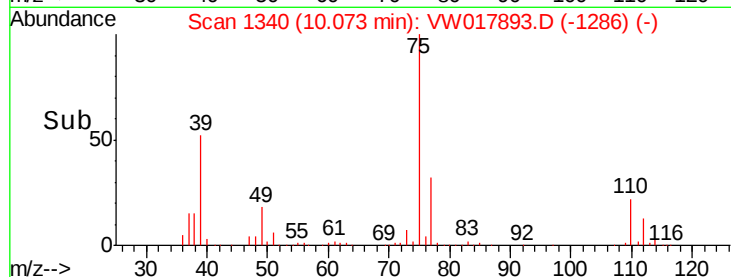
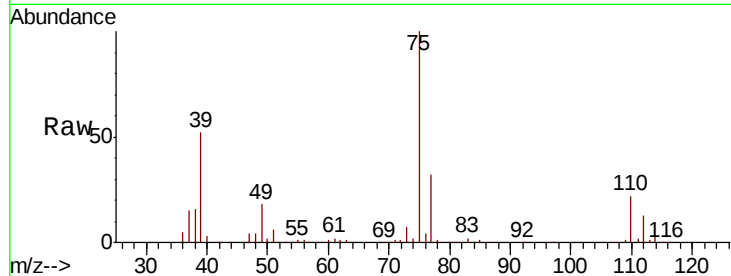




#42
 cis-1,3-Dichloropropene
 Concen: 25.960 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

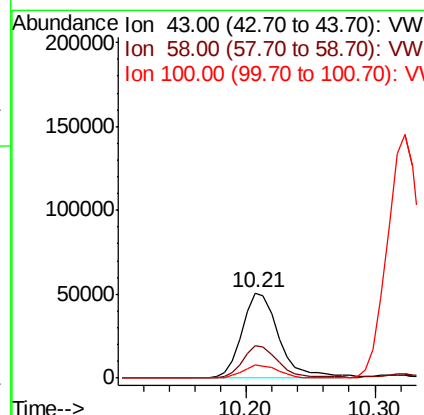
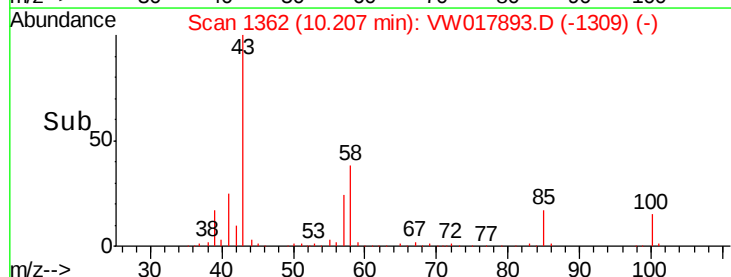
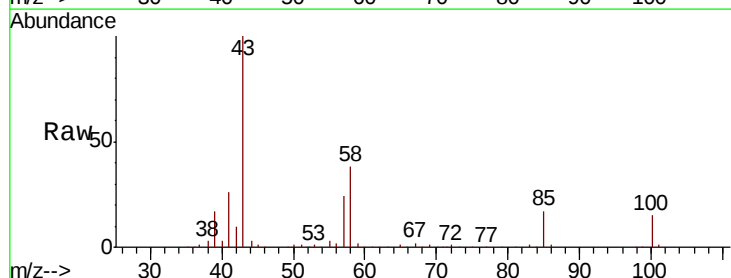
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

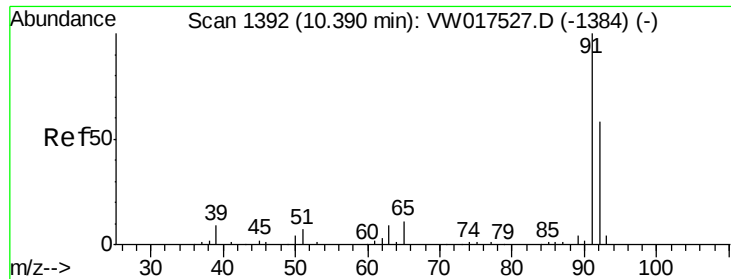
Tot Ion: 75 Resp: 162457
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 52.381 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion: 43 Resp: 99798
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.6 47.4
 100 14.9 14.1 21.1





#44

Toluene

Concen: 25.639 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

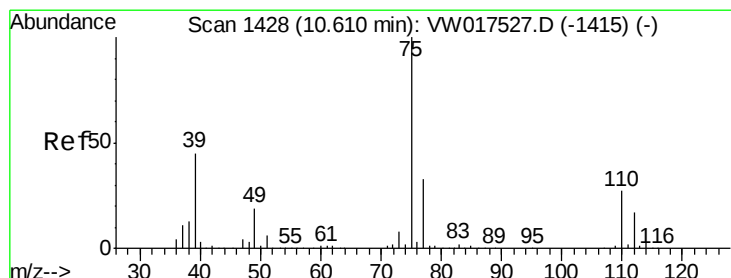
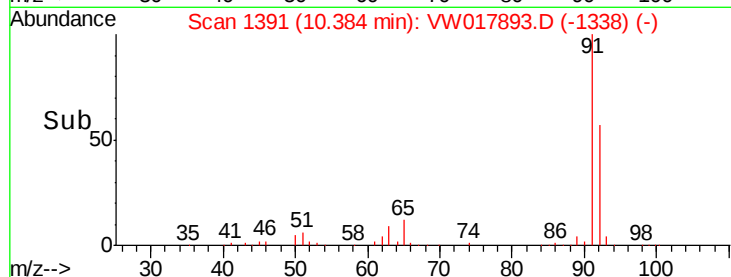
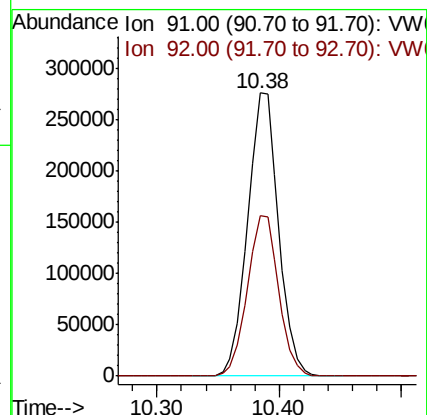
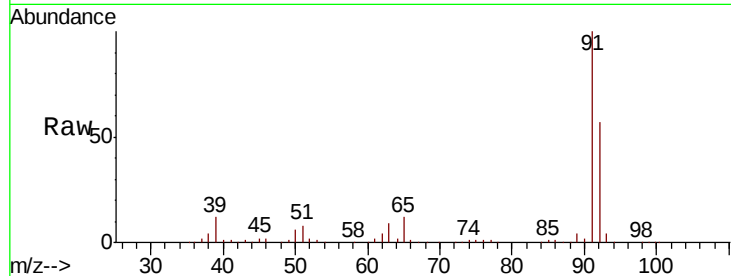
VSTD02521

Tot Ion: 91 Resp: 485669

Ion Ratio Lower Upper

91 100

92 56.7 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 25.512 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017893.D

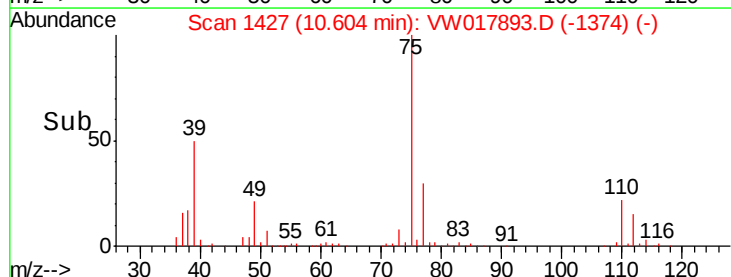
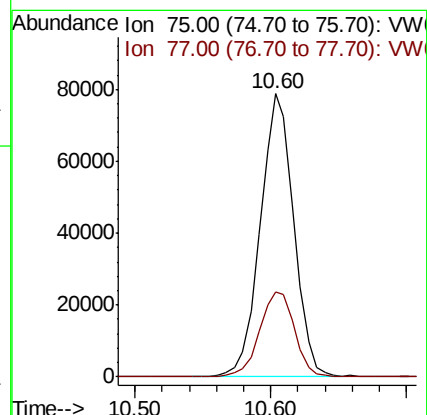
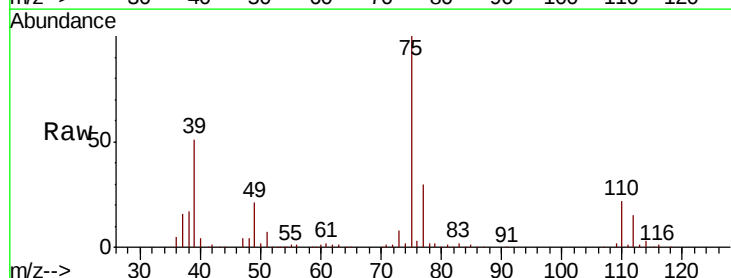
Acq: 15 Jan 2021 12:37

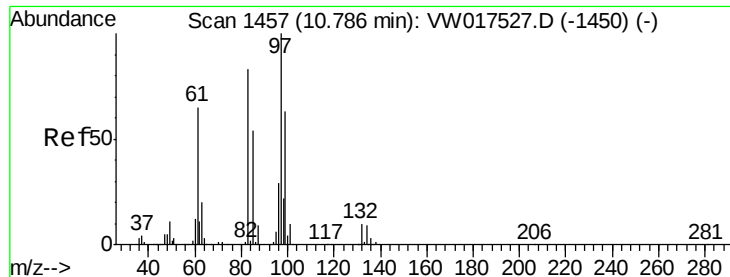
Tgt Ion: 75 Resp: 135952

Ion Ratio Lower Upper

75 100

77 30.0 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 25.348 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 97 Resp: 73887

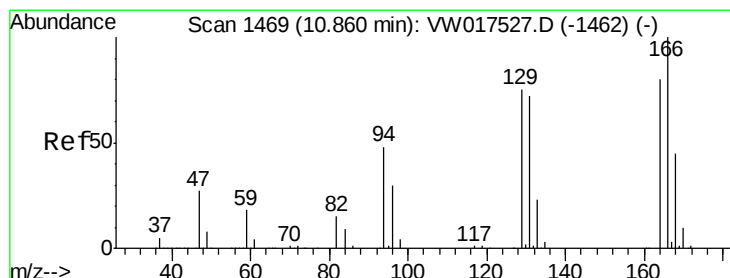
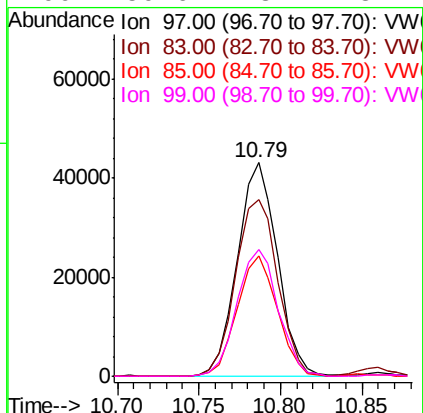
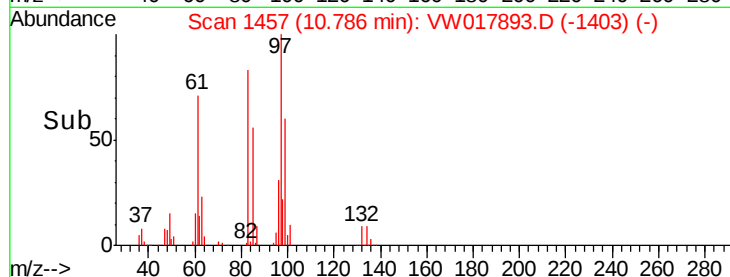
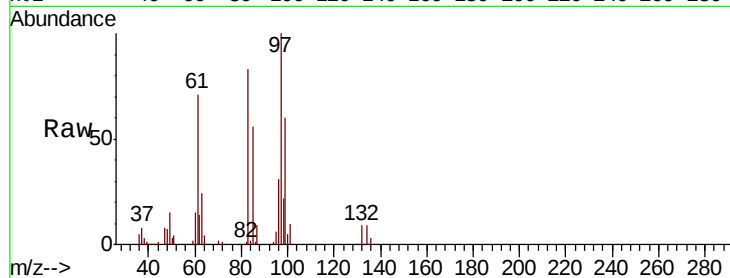
Ion	Ratio	Lower	Upper
97	100		
83	83.0	58.5	108.7
85	56.2	37.8	70.2
99	59.6	43.7	81.1

97 100

83 83.0 58.5 108.7

85 56.2 37.8 70.2

99 59.6 43.7 81.1



#47

Tetrachloroethene

Concen: 24.720 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Tgt Ion: 164 Resp: 88867

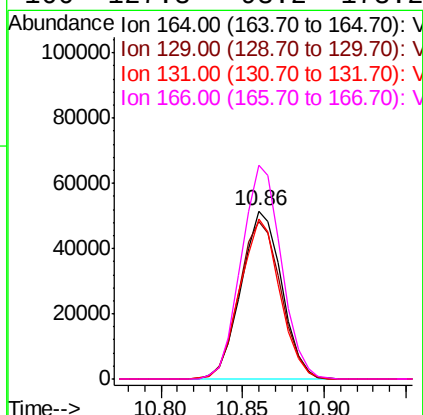
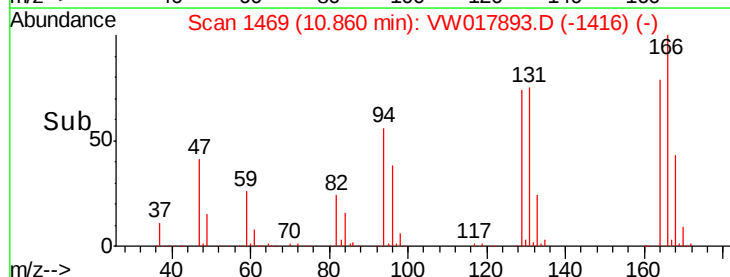
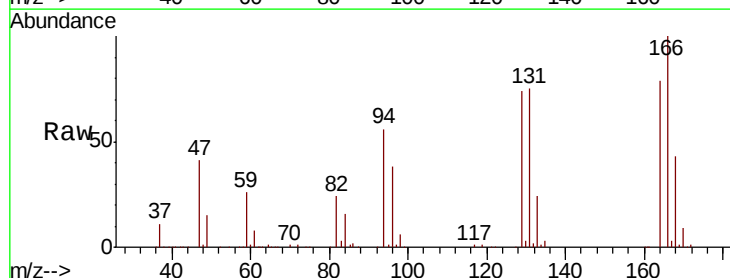
Ion	Ratio	Lower	Upper
164	100		
129	93.5	67.6	125.6
131	95.6	65.2	121.2
166	127.3	93.2	173.2

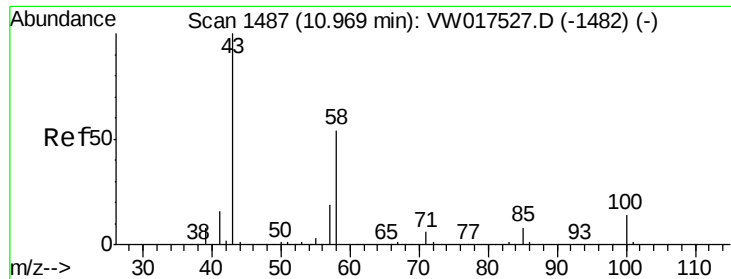
164 100

129 93.5 67.6 125.6

131 95.6 65.2 121.2

166 127.3 93.2 173.2





#49

2-Hexanone

Concen: 48.946 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tot Ion: 43 Resp: 66163

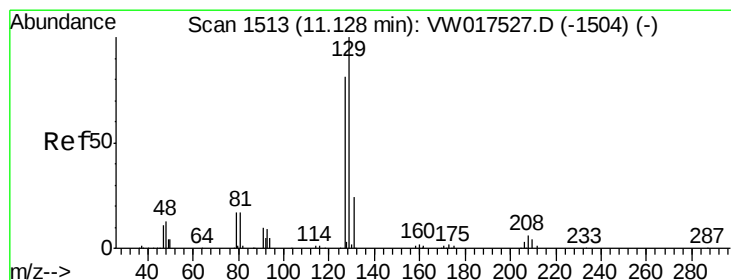
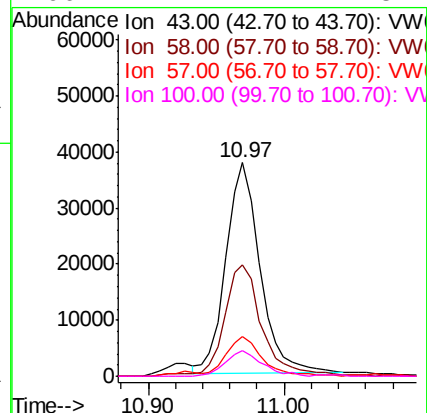
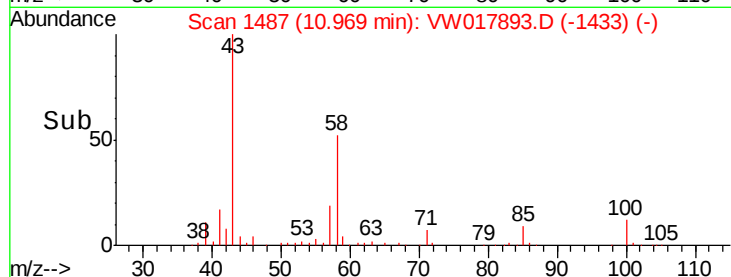
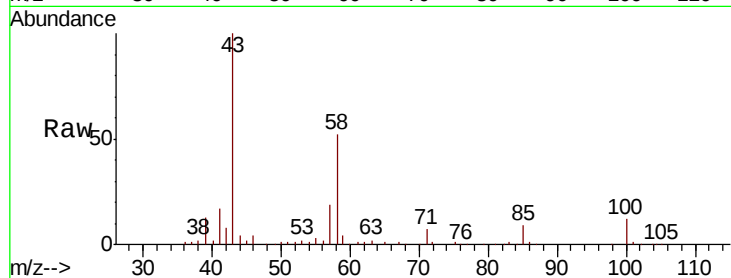
Ion Ratio Lower Upper

43 100

58 57.1 51.3 76.9

57 18.8 15.0 22.6

100 12.4 12.2 18.2



#50

Dibromochloromethane

Concen: 25.124 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017893.D

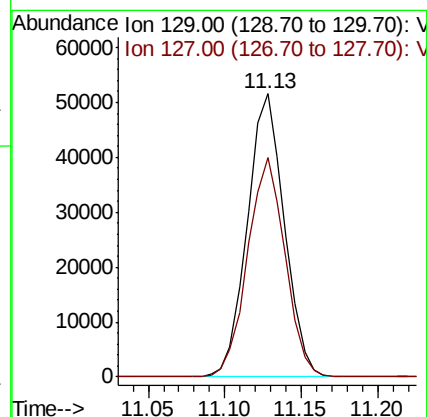
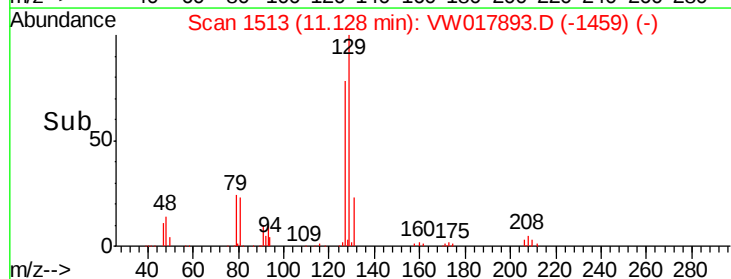
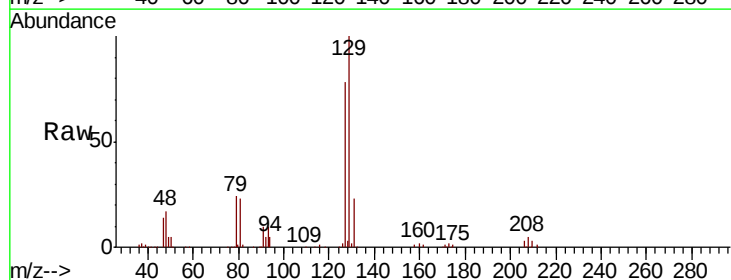
Acq: 15 Jan 2021 12:37

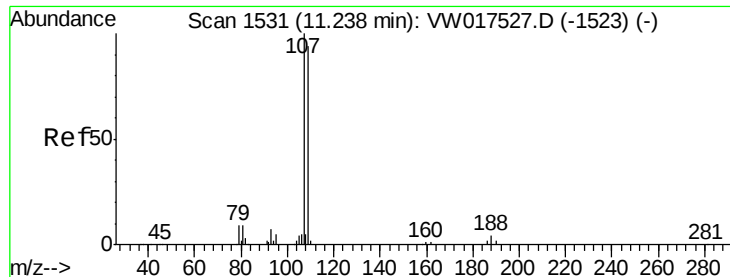
Tgt Ion:129 Resp: 86944

Ion Ratio Lower Upper

129 100

127 77.7 53.2 98.8

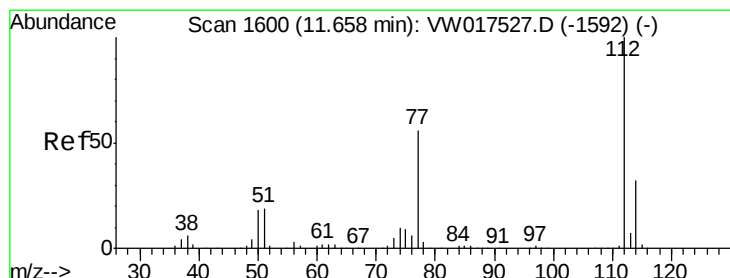
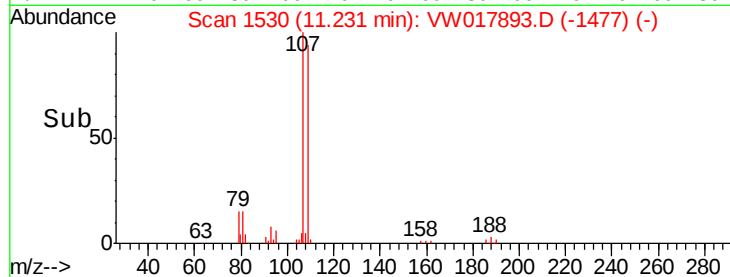
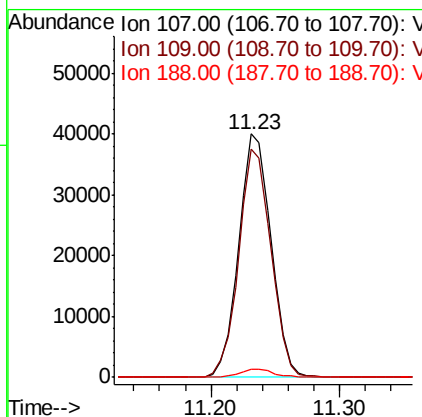
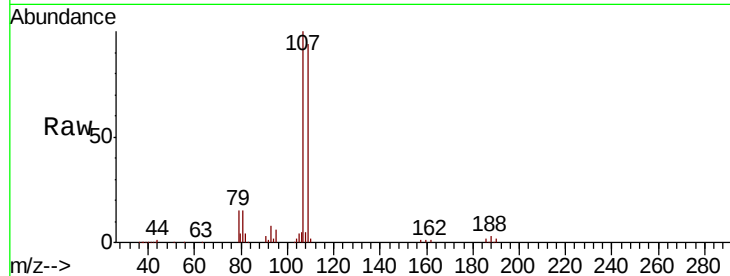




#51
 1,2-Dibromoethane
 Concen: 25.180 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

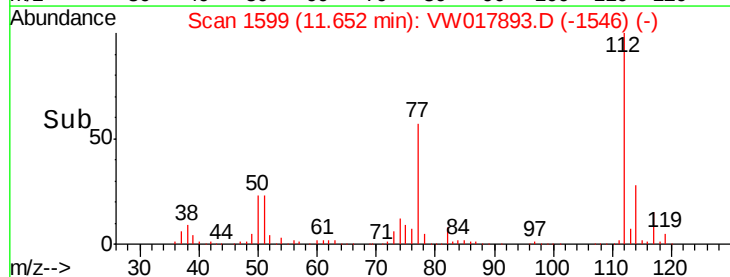
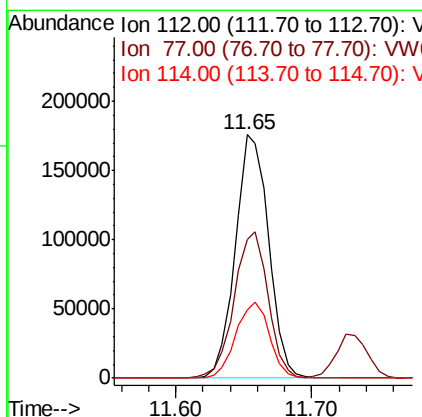
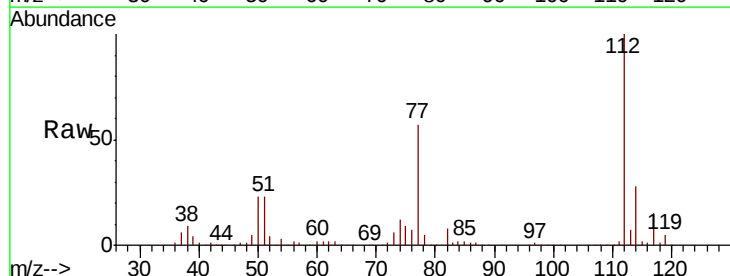
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

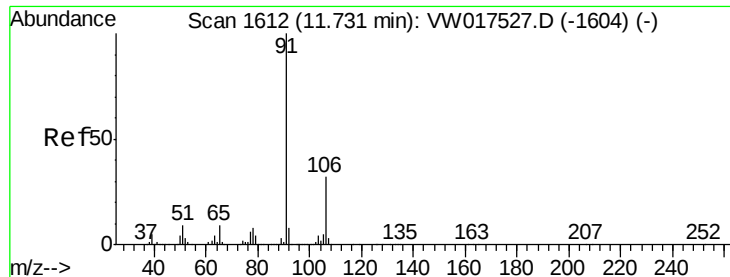
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.4	123.2
188	3.4	4.0	6.0#



#52
 Chlorobenzene
 Concen: 25.378 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.2	42.6	64.0
114	28.2	21.6	40.2





#53

Ethylbenzene

Concen: 26.181 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

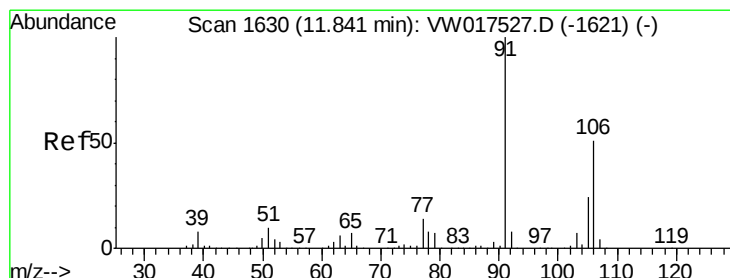
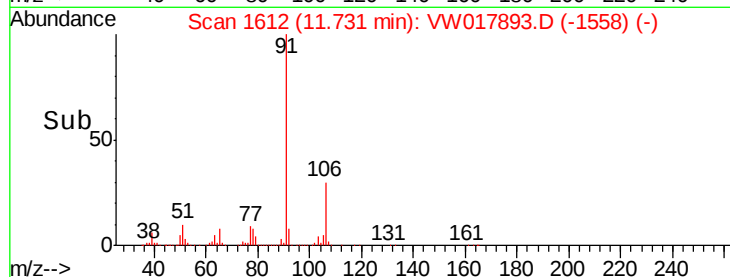
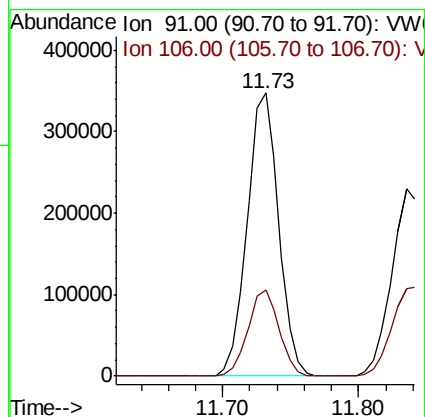
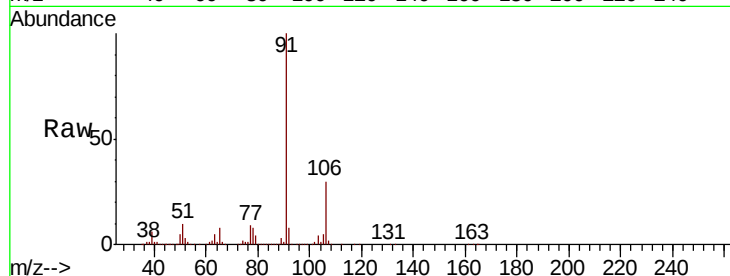
VSTD02521

Tot Ion: 91 Resp: 562697

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#54

m,p-Xylene

Concen: 24.953 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017893.D

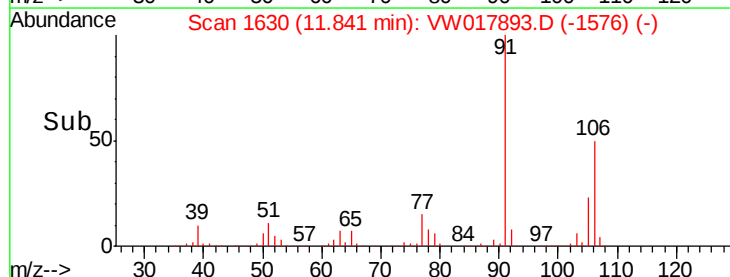
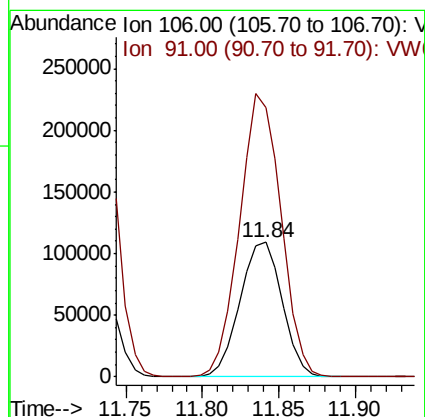
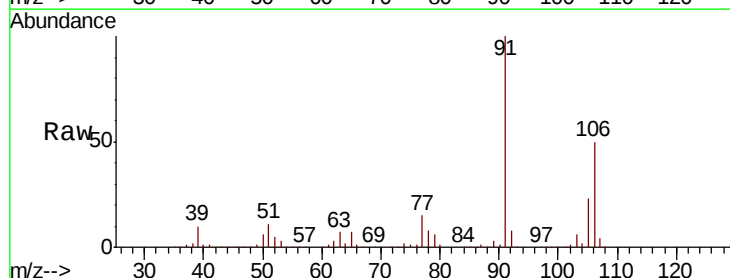
Acq: 15 Jan 2021 12:37

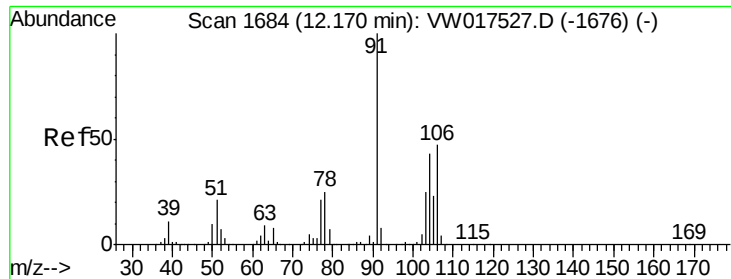
Tgt Ion: 106 Resp: 209796

Ion Ratio Lower Upper

106 100

91 199.6 136.4 253.4

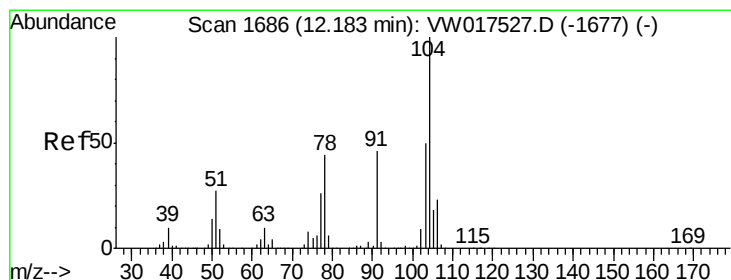
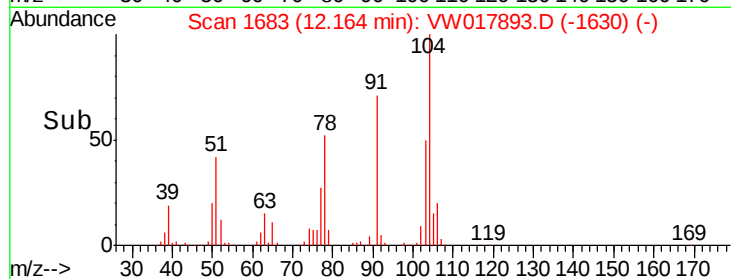
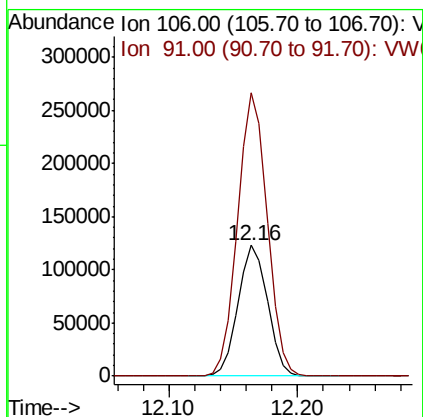
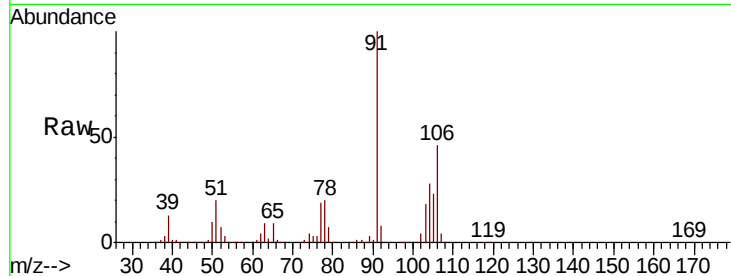




#55
o-xylene
Concen: 24.720 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

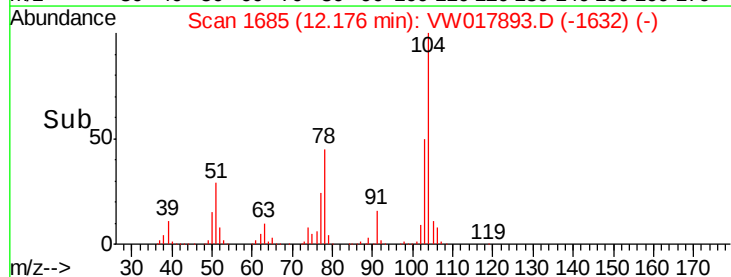
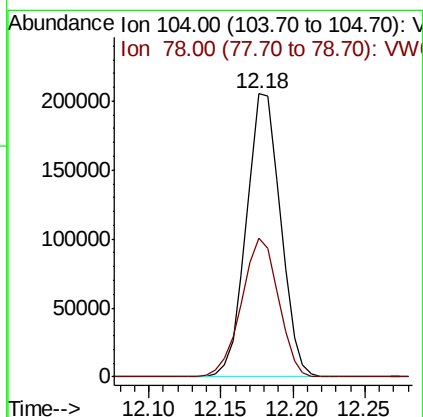
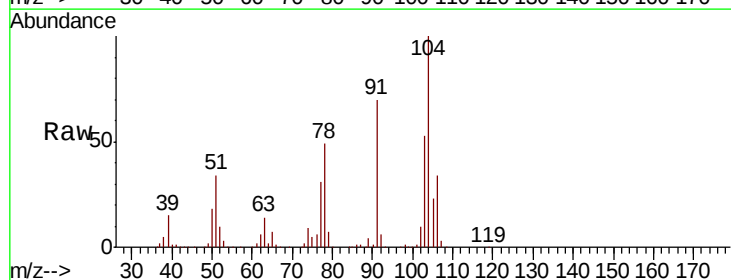
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

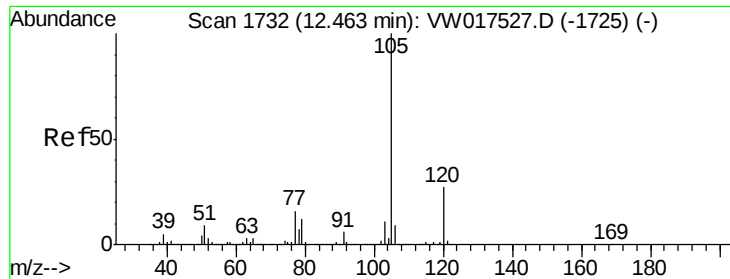
Tot Ion:106 Resp: 195457
Ion Ratio Lower Upper
106 100
91 216.9 147.6 274.2



#56
Styrene
Concen: 25.634 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW017893.D
Acq: 15 Jan 2021 12:37

Tgt Ion:104 Resp: 337141
Ion Ratio Lower Upper
104 100
78 48.9 31.3 58.1





#57

Isopropylbenzene

Concen: 25.970 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

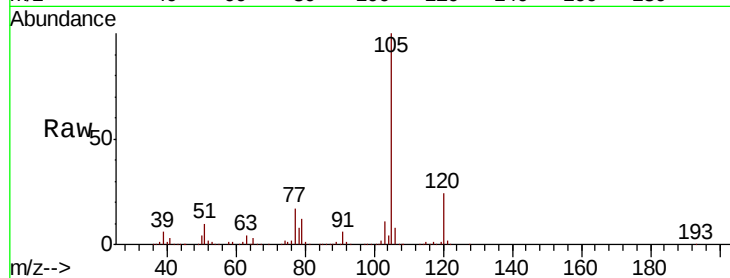
Tot Ion:105 Resp: 568499

Ion Ratio Lower Upper

105 100

120 25.7 21.4 32.2

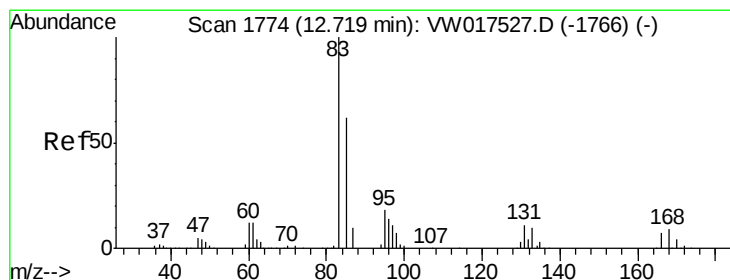
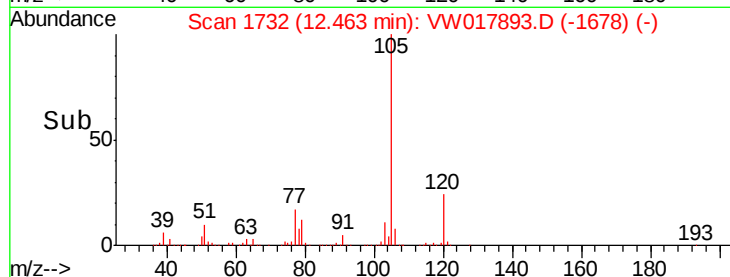
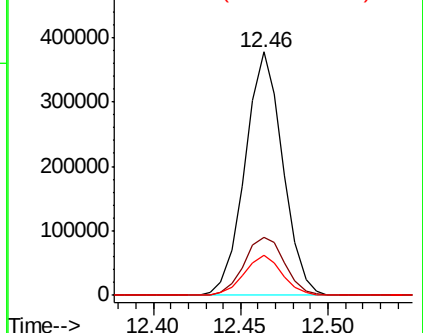
77 16.5 12.1 18.1



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: 26.374 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

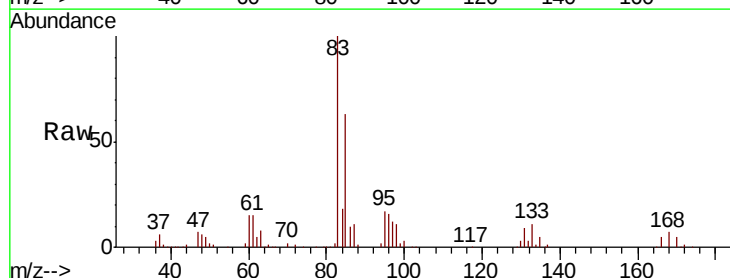
Tgt Ion: 83 Resp: 85807

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

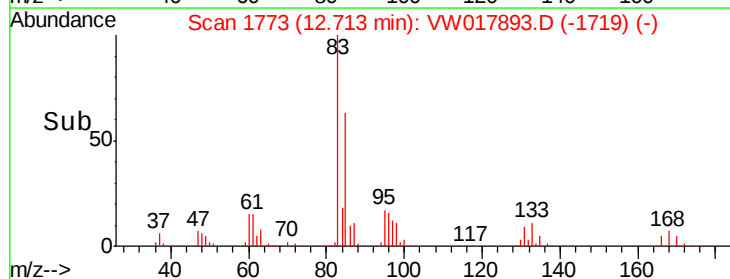
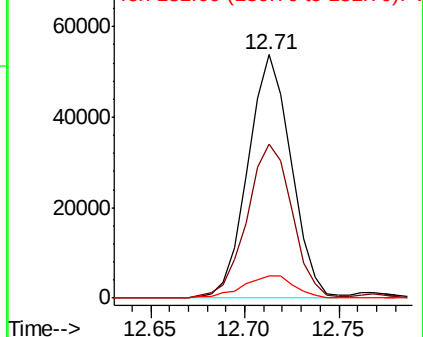
131 9.1 8.3 12.5

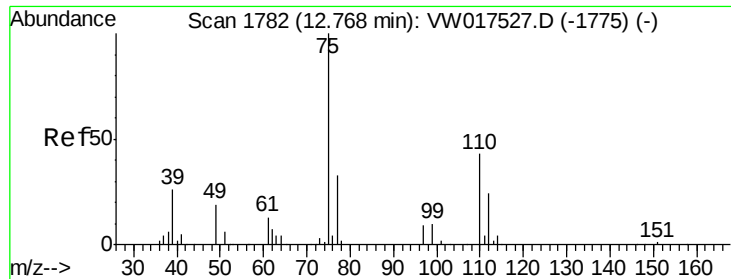


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

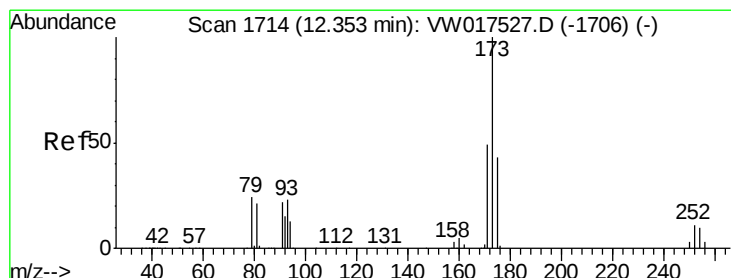
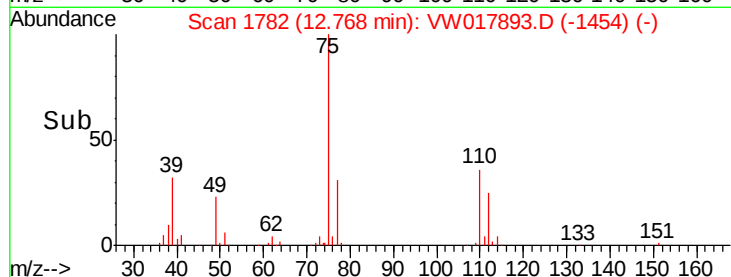
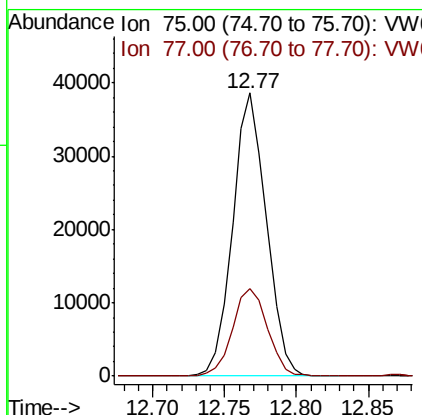
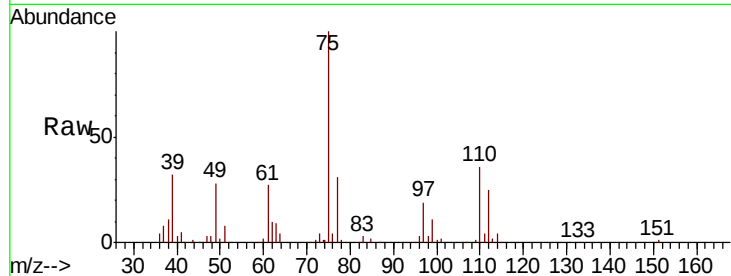




#59
 1,2,3-Trichloropropane
 Concen: 26.210 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

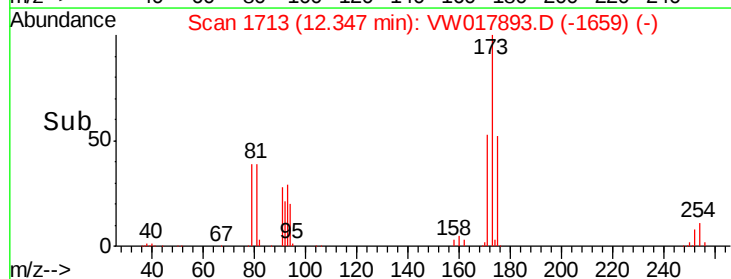
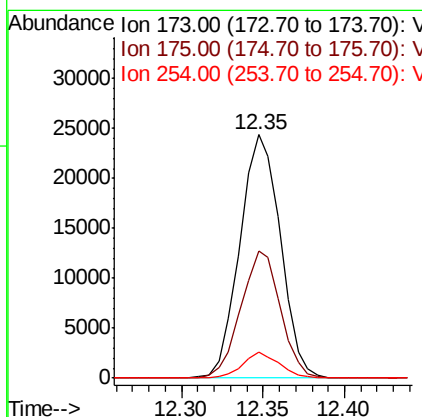
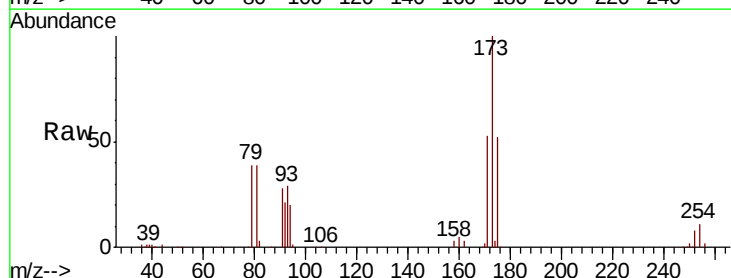
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

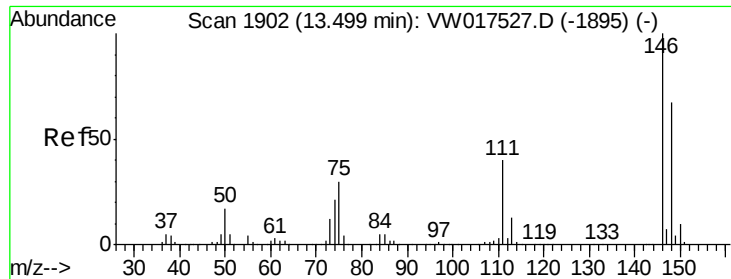
Tot Ion: 75 Resp: 62684
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.6 39.8



#62
 Bromoform
 Concen: 23.968 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion: 173 Resp: 42221
 Ion Ratio Lower Upper
 173 100
 175 51.1 39.1 58.7
 254 9.5 7.1 10.7

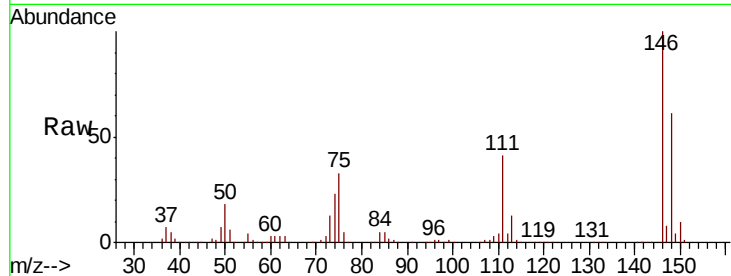




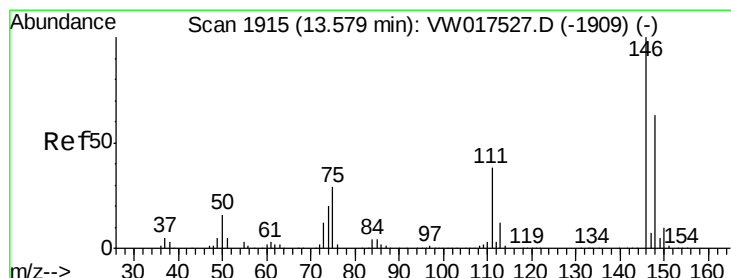
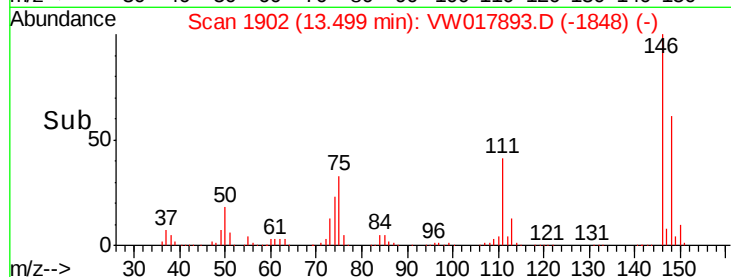
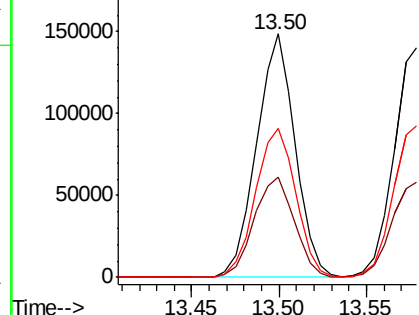
#63
 1,3-Dichlorobenzene
 Concen: 25.549 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion:146 Resp: 227027
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.5 52.9
 148 61.2 47.8 88.8

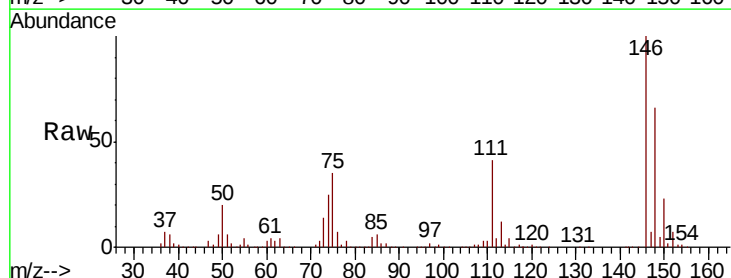


Abundance Ion 146.00 (145.70 to 146.70): V
 200000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

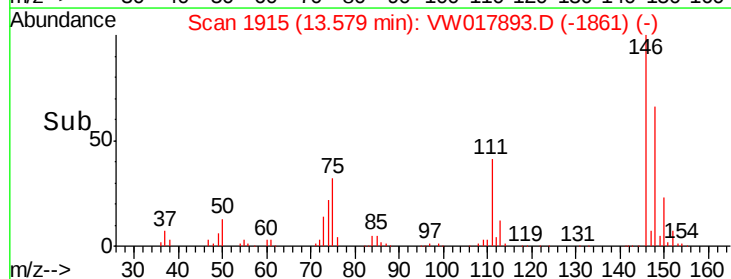
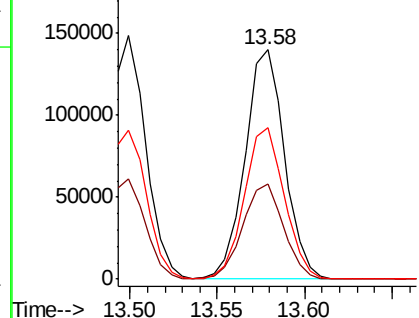


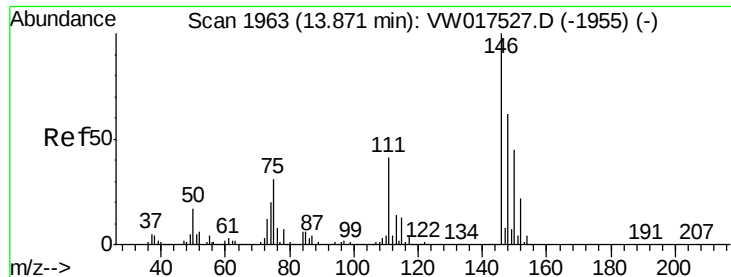
#64
 1,4-Dichlorobenzene
 Concen: 24.532 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion:146 Resp: 219068
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.7 51.5
 148 65.9 47.0 87.2



Abundance Ion 146.00 (145.70 to 146.70): V
 200000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

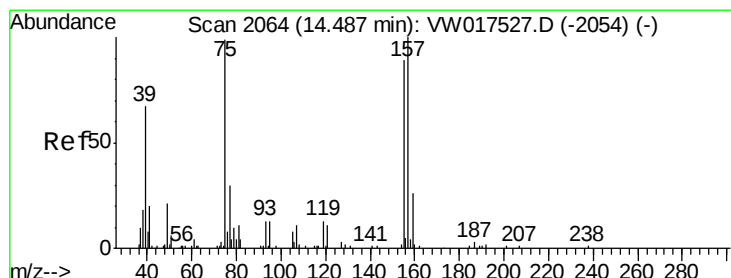
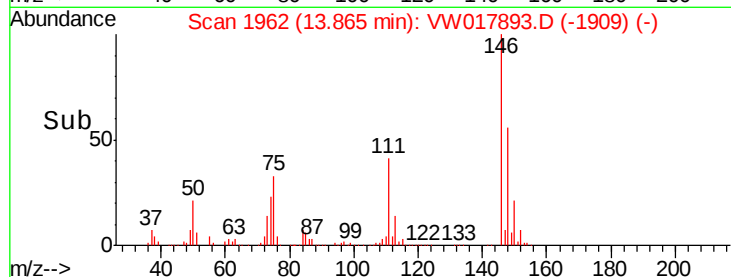
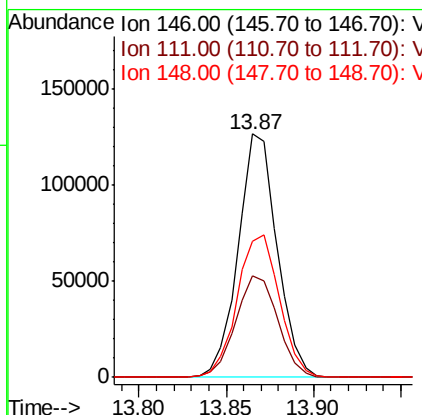
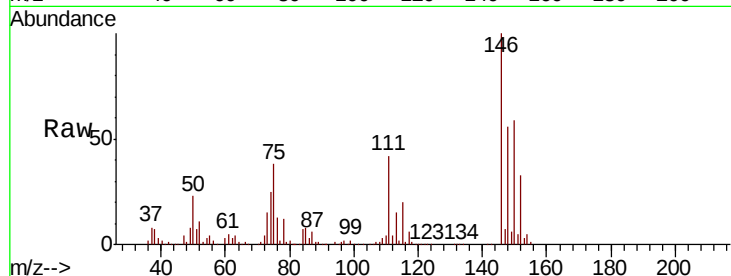




#65
 1,2-Dichlorobenzene
 Concen: 25.187 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

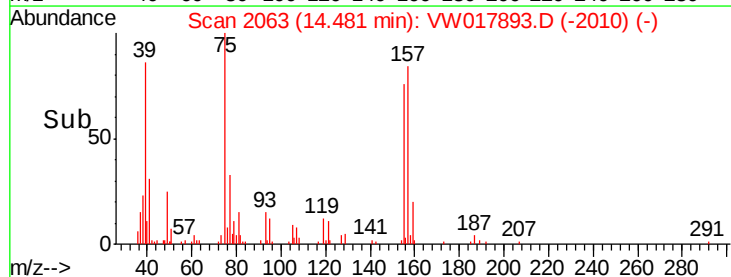
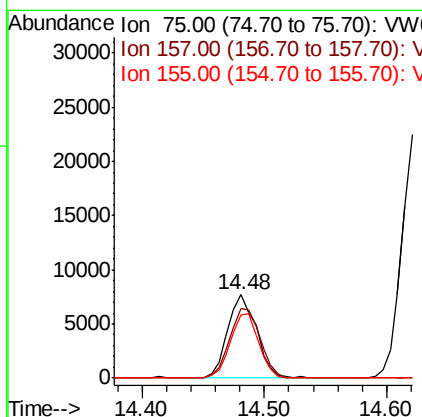
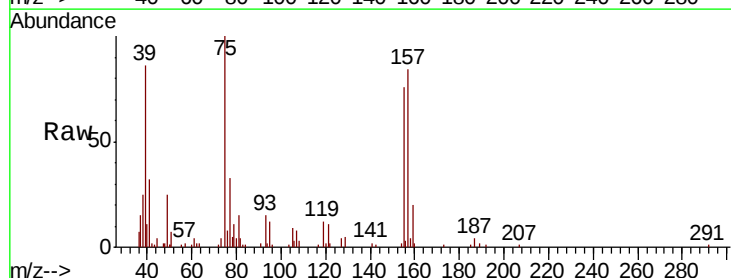
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

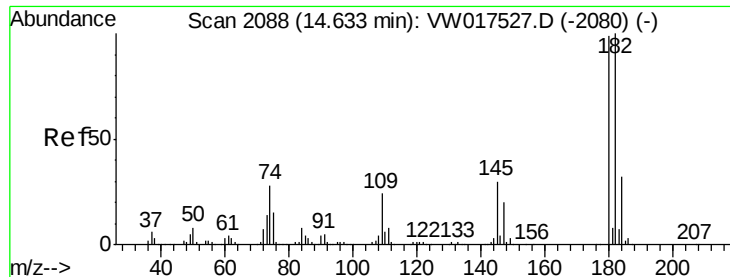
Tot Ion:146 Resp: 196660
 Ion Ratio Lower Upper
 146 100
 111 41.9 31.7 47.5
 148 55.9 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.519 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion: 75 Resp: 12609
 Ion Ratio Lower Upper
 75 100
 157 84.4 99.9 149.9#
 155 75.6 71.4 107.0

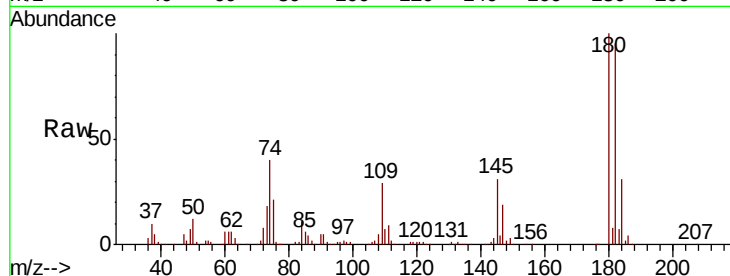




#67
 1,3,5-Trichlorobenzene
 Concen: 26.582 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tot Ion:	180	Resp:	161933
Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.0	115.6
184	29.4	24.2	36.4
145	30.8	23.5	35.3



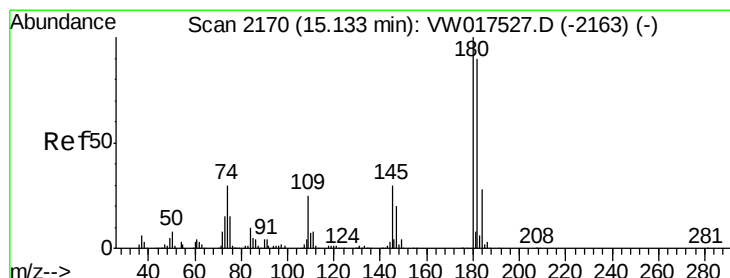
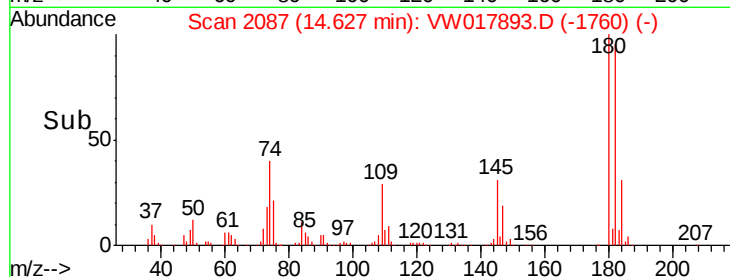
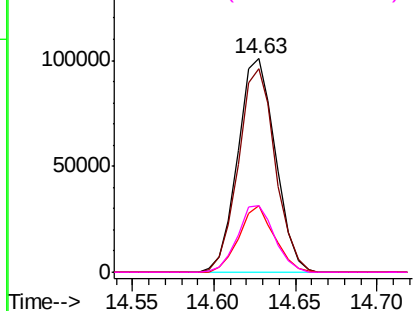
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

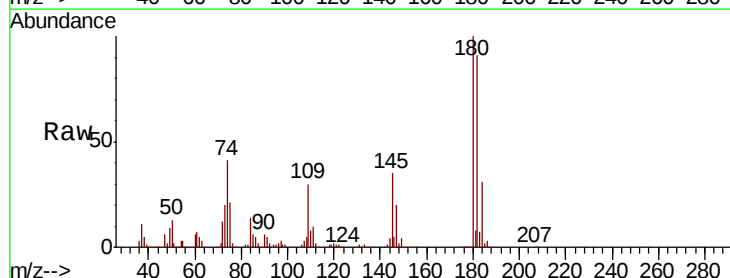
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.154 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017893.D
 Acq: 15 Jan 2021 12:37

Tgt Ion:	180	Resp:	126126
Ion	Ratio	Lower	Upper
180	100		
182	93.7	71.3	106.9
145	34.1	24.0	36.0

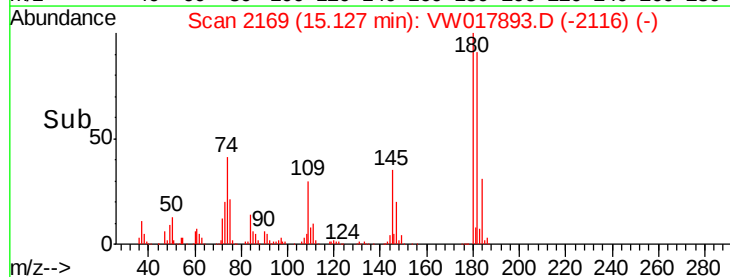
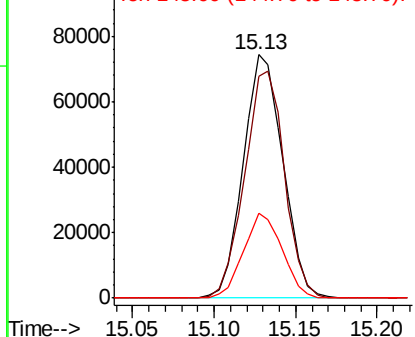


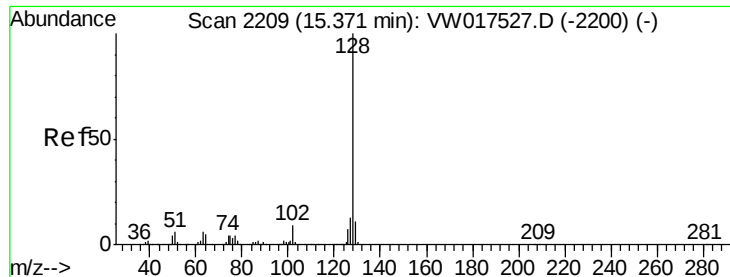
Abundance

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: 23.370 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

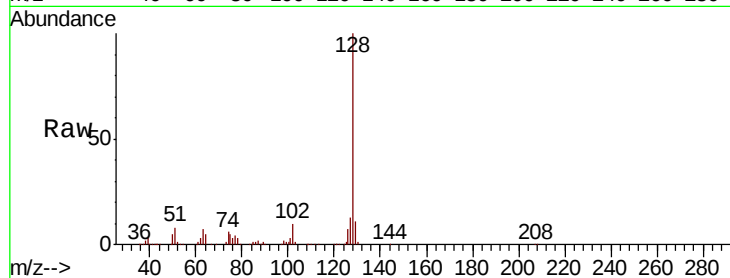
Tot Ion:128 Resp: 223154

Ion Ratio Lower Upper

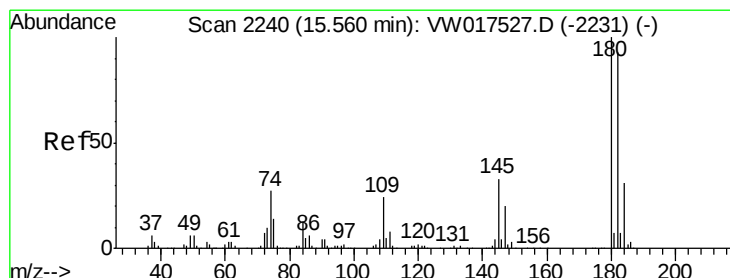
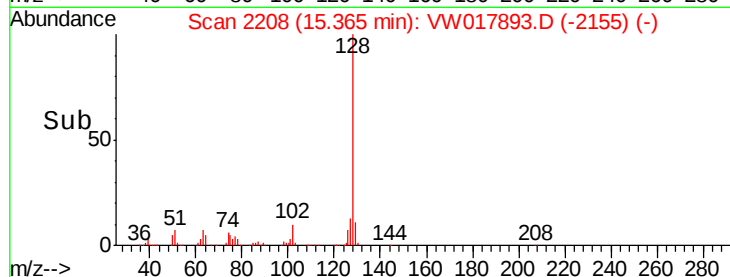
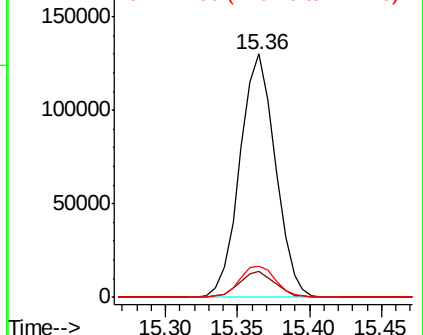
128 100

129 10.7 8.7 13.1

127 13.2 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: 24.000 ug/L

RT: 15.55 min Scan# 2238

Delta R.T. -0.01 min

Lab File: VW017893.D

Acq: 15 Jan 2021 12:37

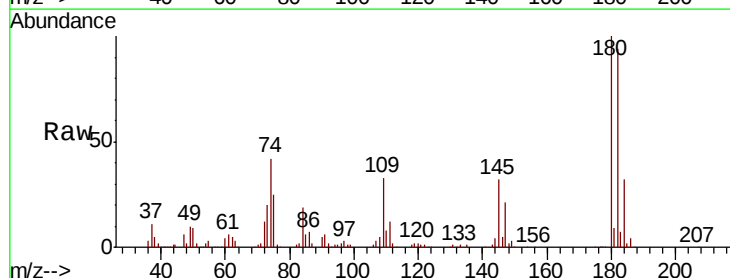
Tgt Ion:180 Resp: 101620

Ion Ratio Lower Upper

180 100

182 99.8 74.7 112.1

145 35.9 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

