

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017272.D
 Acq On : 17 Nov 2020 09:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Nov 18 02:10:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 17:42:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	467491	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	416044	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	215239	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113469	19.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.08%
7) Chloroethane-d5	2.90	69	107707	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.96%
10) 1,1-Dichloroethene-d2	4.03	63	245146	23.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.12%
20) 2-Butanone-d5	7.08	46	65672	49.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.74%
24) Chloroform-d	7.65	84	293679	26.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.64%
26) 1,2-Dichloroethane-d4	8.31	65	143655	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	8.27	84	525908	24.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.28%
33) 1,2-Dichloropropane-d6	9.27	67	148885	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	10.32	98	504704	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.04%
38) trans-1,3-Dichloropropene-	10.58	79	67256	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.84%
39) 2-Hexanone-d5	10.93	63	53083	51.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132840	26.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	205586	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	108329	23.096	ug/L 100
3) Chloromethane	2.22	50	84703	19.898	ug/L 96
5) Vinyl chloride	2.37	62	148776	23.829	ug/L 100
6) Bromomethane	2.79	94	114695	26.564	ug/L 99
8) Chloroethane	2.93	64	95230	25.279	ug/L 99
9) Trichlorofluoromethane	3.27	101	146715	28.893	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	159239	26.389	ug/L 98
12) 1,1-Dichloroethene	4.05	96	143200	24.680	ug/L 89
13) Acetone	4.13	43	42523	48.229	ug/L 92
14) Carbon disulfide	4.39	76	331716	21.008	ug/L 99
15) Methyl Acetate	4.68	43	45598	20.866	ug/L 94
16) Methylene chloride	4.92	84	144924	22.994	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	192443	27.162	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	150593	25.073	ug/L 94
19) 1,1-Dichloroethane	6.22	63	243261	25.564	ug/L 98
21) 2-Butanone	7.17	43	61564	43.486	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	164489	25.902	ug/L 99

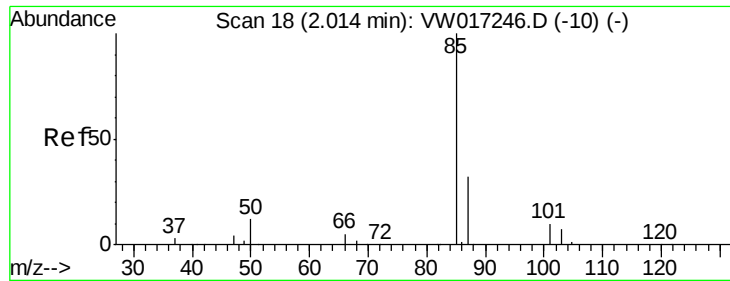
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017272.D
 Acq On : 17 Nov 2020 09:02
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Nov 18 02:10:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 17 17:42:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	79187	25.899	ug/L	89
25) Chloroform	7.68	83	276971	26.735	ug/L	98
27) 1,2-Dichloroethane	8.40	62	164187	26.446	ug/L	98
30) Cyclohexane	7.96	56	194281	24.801	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	254164	29.832	ug/L	98
32) Carbon tetrachloride	8.07	117	246503	29.984	ug/L	98
34) Benzene	8.33	78	560941	25.677	ug/L	100
35) Trichloroethene	9.09	95	163843	26.773	ug/L	98
36) Methylcyclohexane	9.34	83	253076	25.700	ug/L	96
40) 1,2-Dichloropropane	9.37	63	130018	25.459	ug/L	98
41) Bromodichloromethane	9.65	83	198260	28.070	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	219457	27.131	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	139940	44.415	ug/L	98
44) Toluene	10.39	91	643098	26.744	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	191392	27.552	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	112359	25.519	ug/L	97
47) Tetrachloroethene	10.87	164	150274	27.217	ug/L	99
49) 2-Hexanone	10.97	43	91022	47.919	ug/L	96
50) Dibromochloromethane	11.13	129	152152	28.364	ug/L	94
51) 1,2-Dibromoethane	11.24	107	109542	25.609	ug/L	96
52) Chlorobenzene	11.66	112	440209	27.066	ug/L	100
53) Ethylbenzene	11.73	91	747386	27.826	ug/L	99
54) m,p-Xylene	11.84	106	288698	27.477	ug/L	99
55) o-xylene	12.17	106	282473	28.325	ug/L	100
56) Styrene	12.18	104	468689	27.992	ug/L	99
57) Isopropylbenzene	12.46	105	789643	29.176	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	124083	24.395	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	88077	24.090	ug/L	99
62) Bromoform	12.35	173	89117	26.973	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	371417	27.740	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	364606	27.105	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	334603	27.712	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	19329	24.212	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	282777	28.661	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	228318	28.998	ug/L	97
69) Naphthalene	15.37	128	385960	26.637	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	192214	26.718	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.096 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

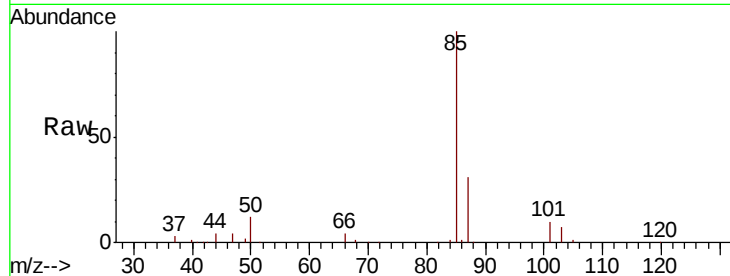
VSTD02509

Tot Ion: 85 Resp: 108329

Ion Ratio Lower Upper

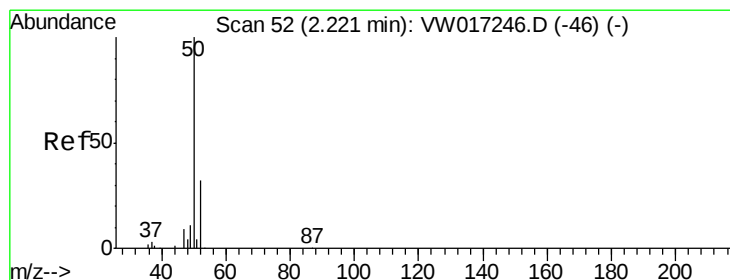
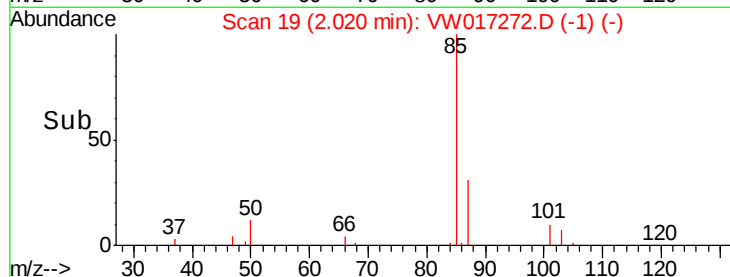
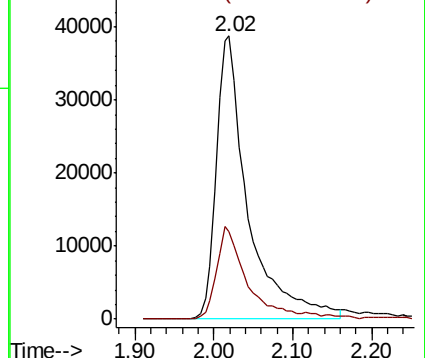
85 100

87 30.7 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.898 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017272.D

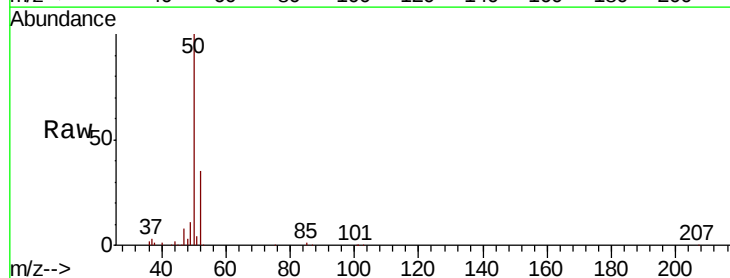
Acq: 17 Nov 2020 09:02

Tgt Ion: 50 Resp: 84703

Ion Ratio Lower Upper

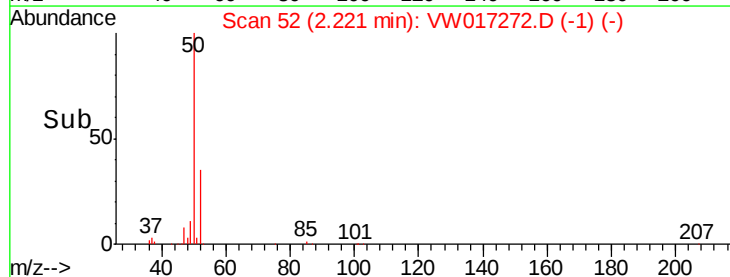
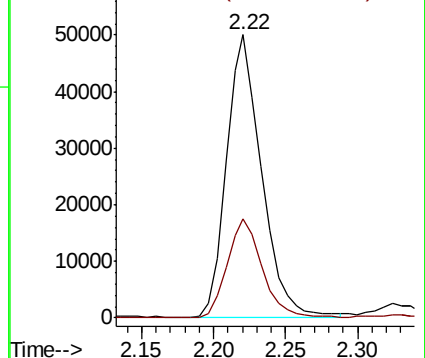
50 100

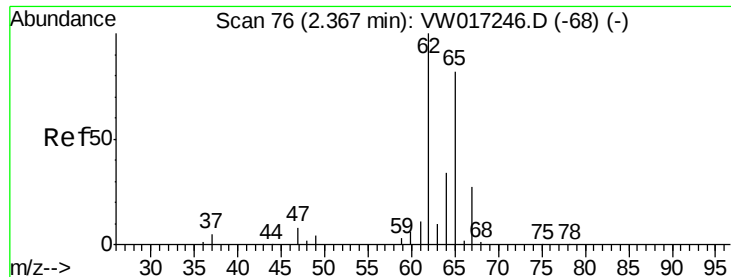
52 35.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.829 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

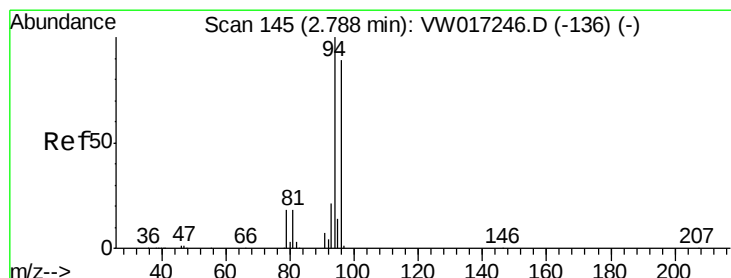
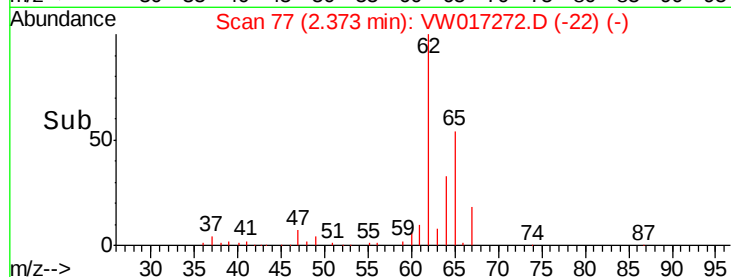
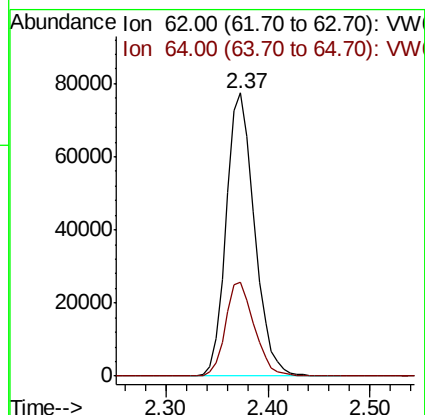
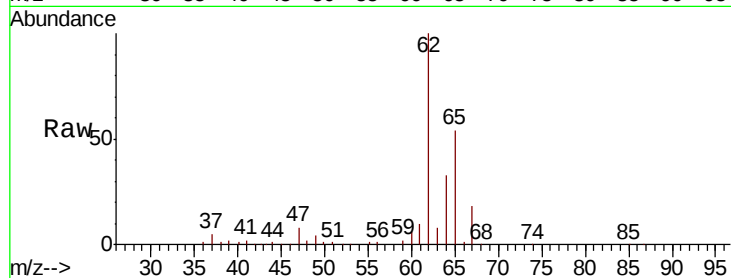
VSTD02509

Tot Ion: 62 Resp: 148776

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 26.564 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017272.D

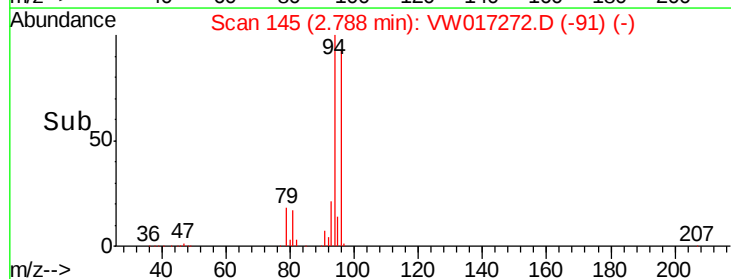
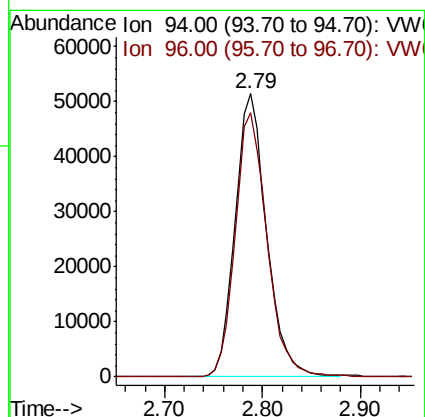
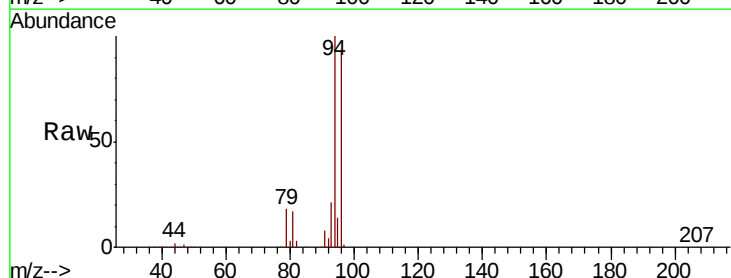
Acq: 17 Nov 2020 09:02

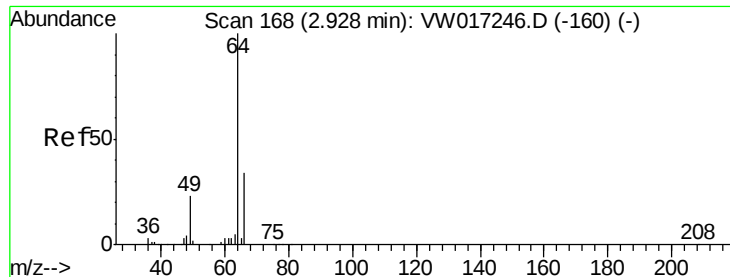
Tgt Ion: 94 Resp: 114695

Ion Ratio Lower Upper

94 100

96 94.7 9.6 181.8





#8

Chloroethane

Concen: 25.279 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

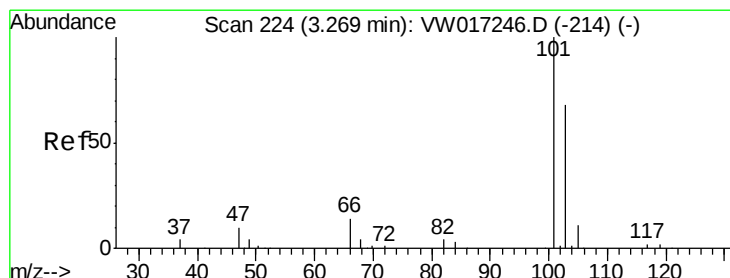
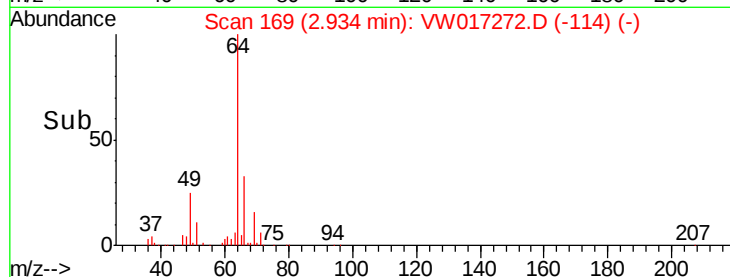
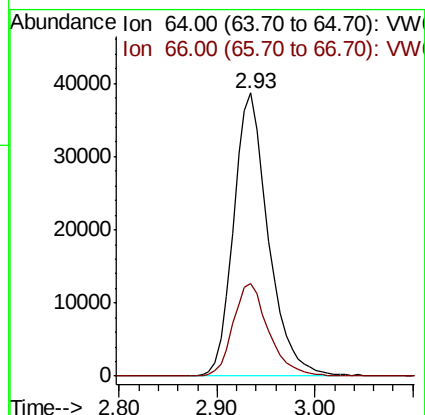
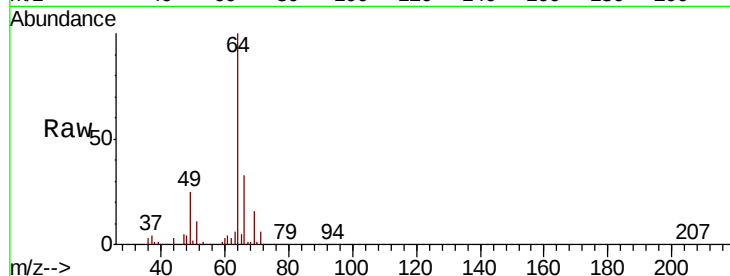
VSTD02509

Tot Ion: 64 Resp: 95230

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 28.893 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017272.D

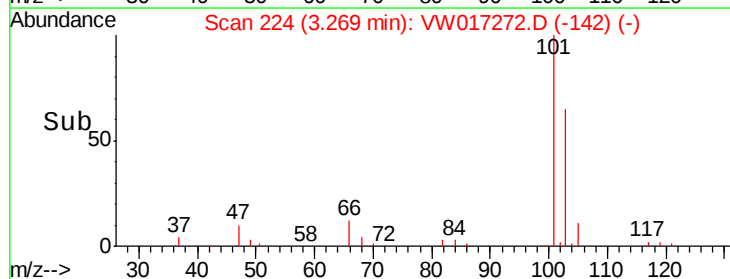
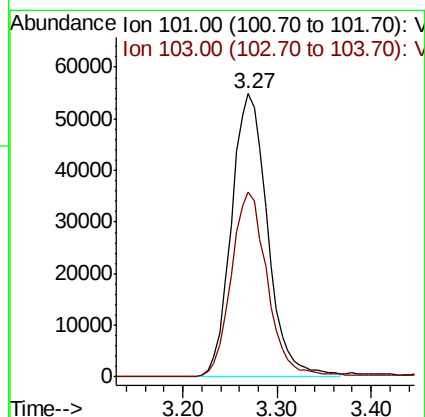
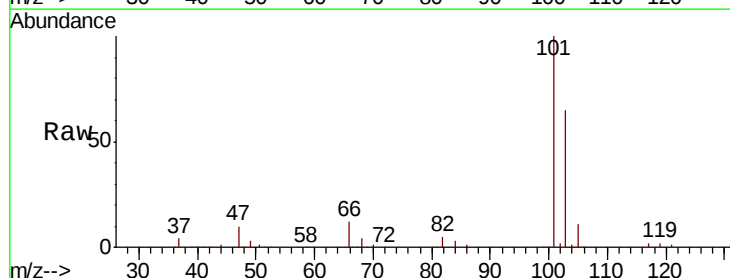
Acq: 17 Nov 2020 09:02

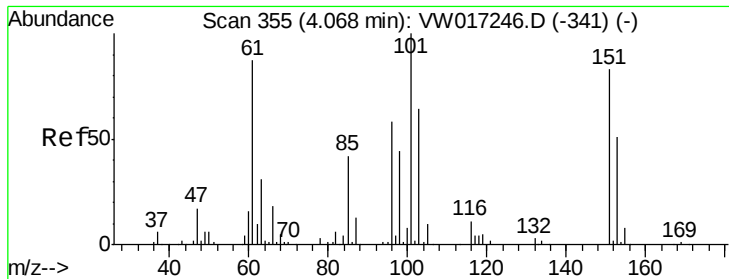
Tgt Ion: 101 Resp: 146715

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.2





#11

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

Concen: 26.389 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

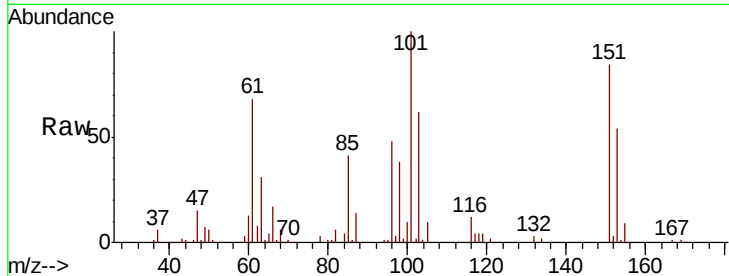
Tot Ion: 101 Resp: 159239

Ion Ratio Lower Upper

101 100

85 42.7 32.8 49.2

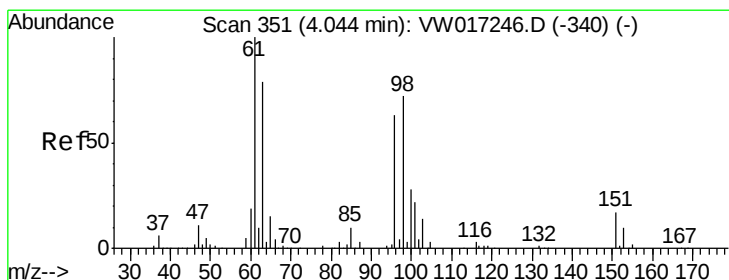
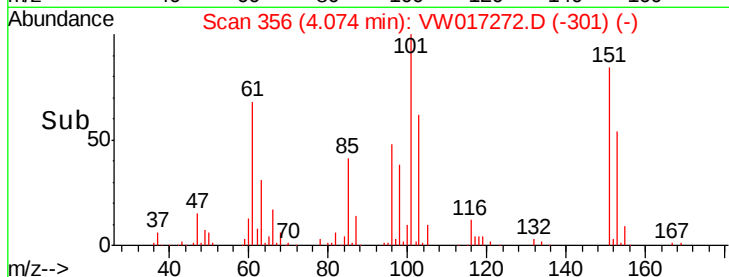
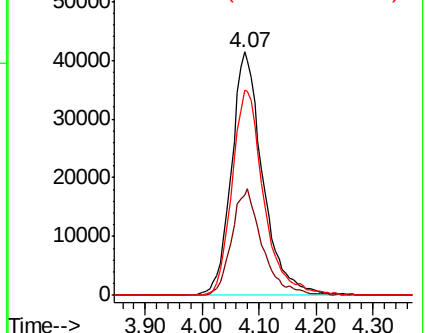
151 82.8 65.4 98.2



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: 24.680 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

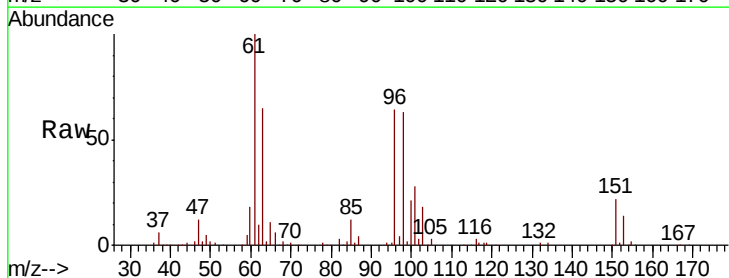
Tgt Ion: 96 Resp: 143200

Ion Ratio Lower Upper

96 100

61 156.5 103.8 192.8

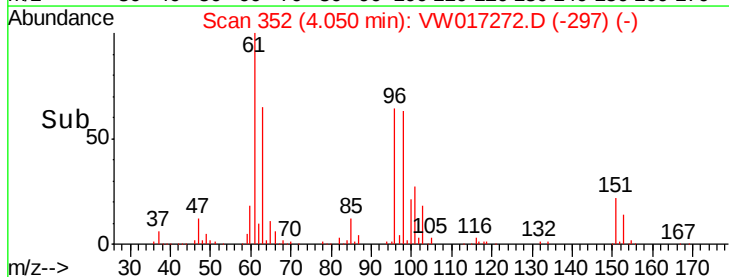
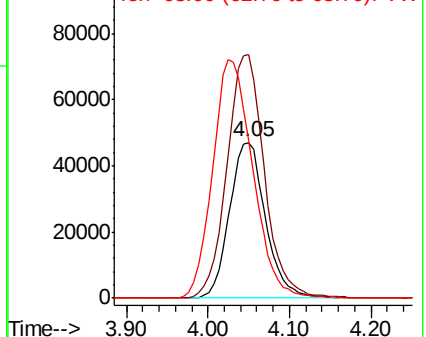
63 101.6 84.4 156.7

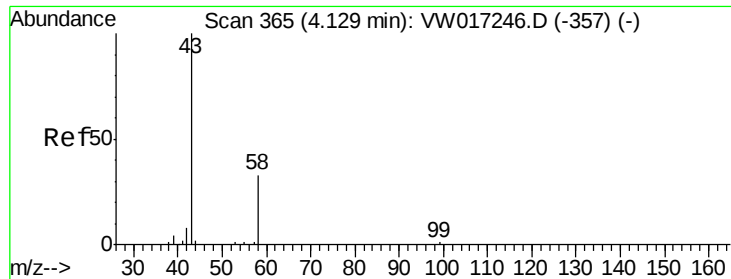


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.229 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

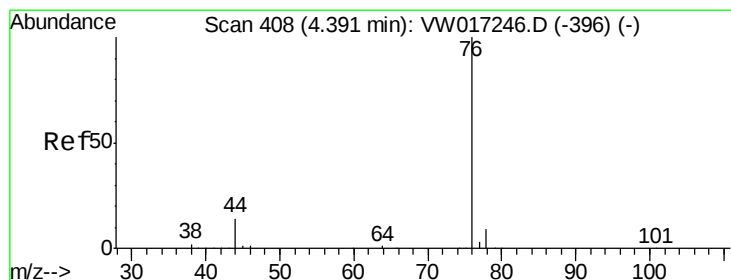
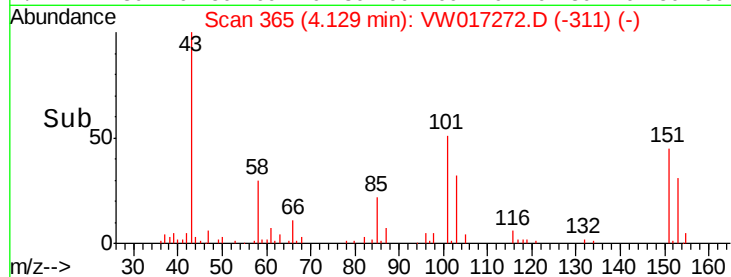
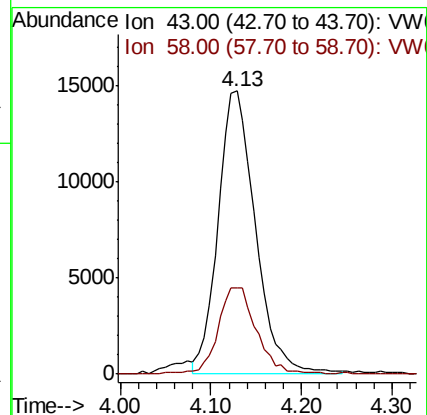
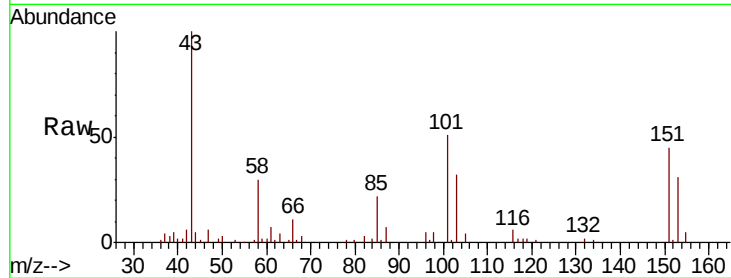
VSTD02509

Tot Ion: 43 Resp: 42523

Ion Ratio Lower Upper

43 100

58 29.9 0.0 69.2



#14

Carbon disulfide

Concen: 21.008 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017272.D

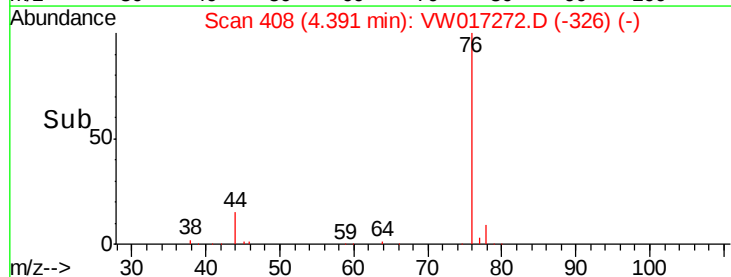
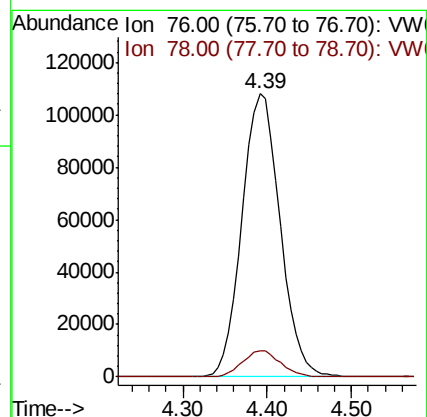
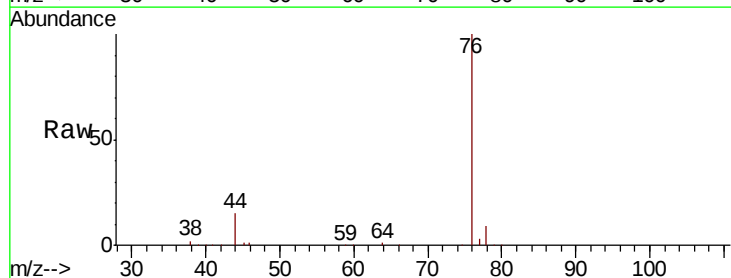
Acq: 17 Nov 2020 09:02

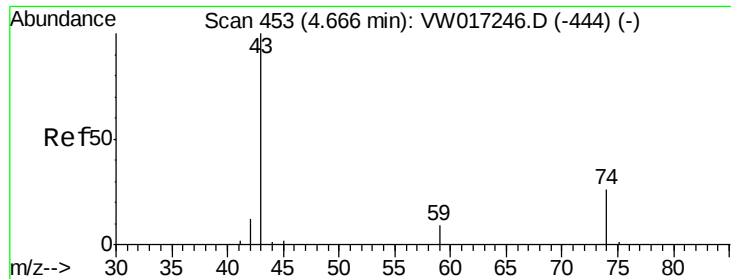
Tgt Ion: 76 Resp: 331716

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

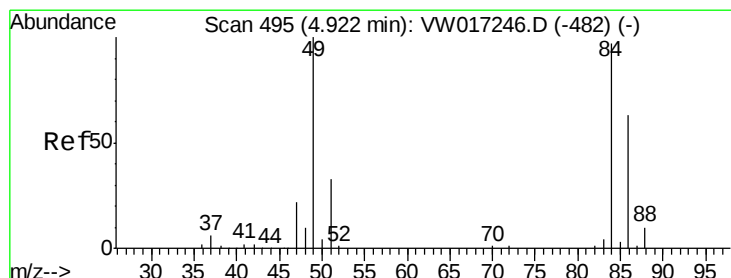
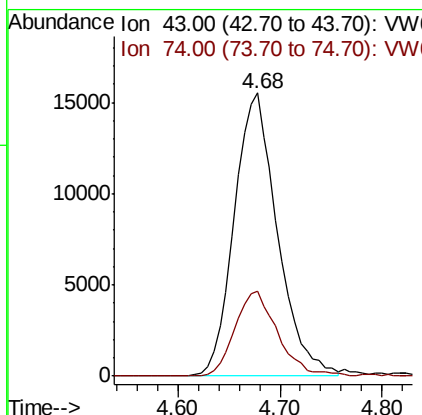
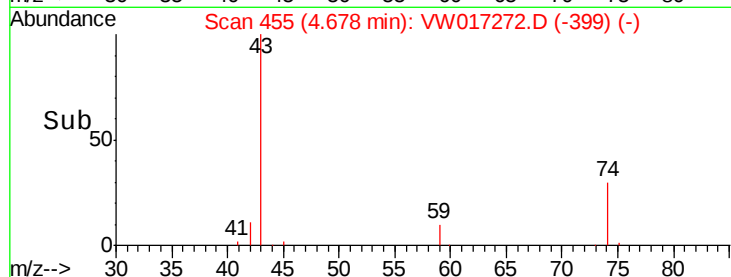
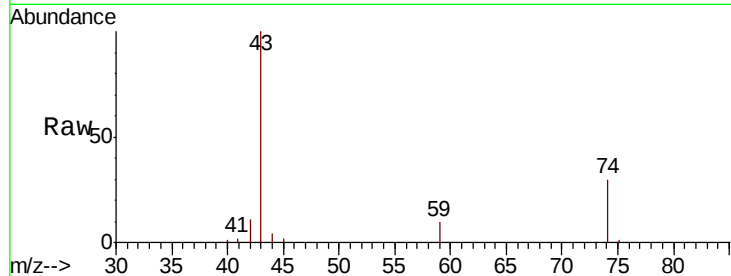




#15
Methyl Acetate
Concen: 20.866 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

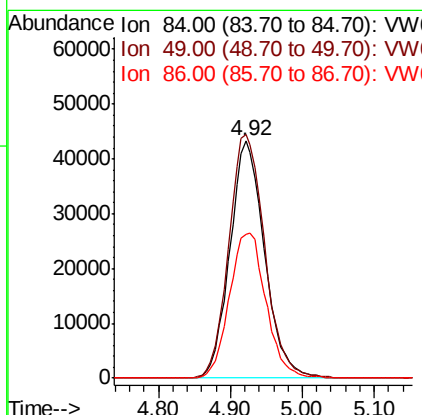
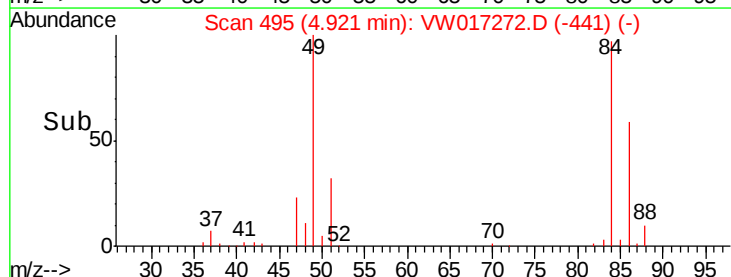
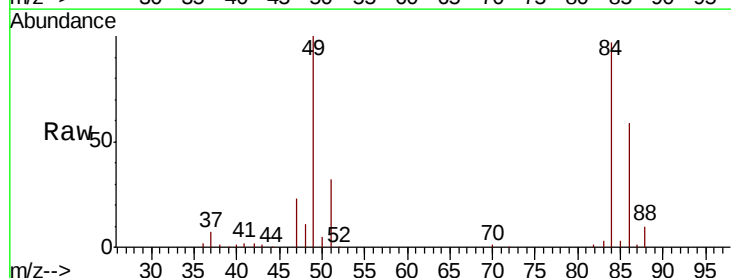
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

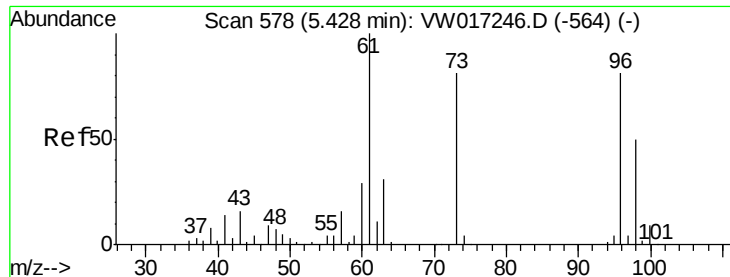
Tot Ion: 43 Resp: 45598
Ion Ratio Lower Upper
43 100
74 29.8 21.5 32.3



#16
Methylene chloride
Concen: 22.994 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion: 84 Resp: 144924
Ion Ratio Lower Upper
84 100
49 102.6 72.3 134.3
86 60.4 45.1 83.7

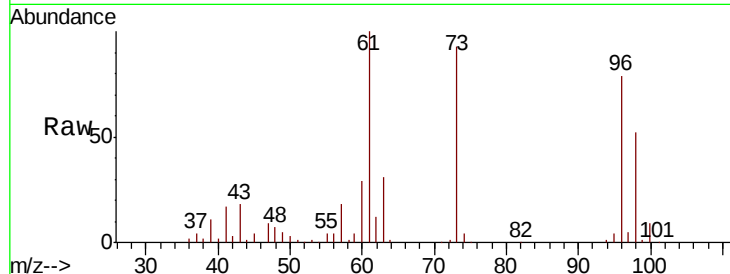




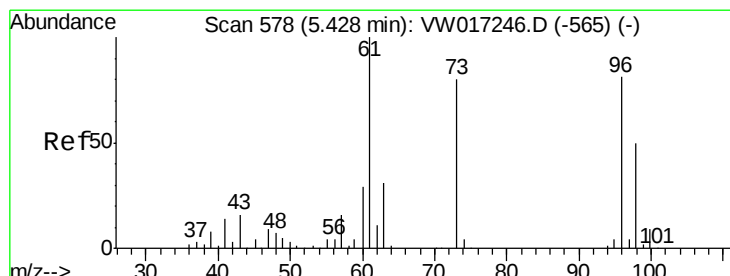
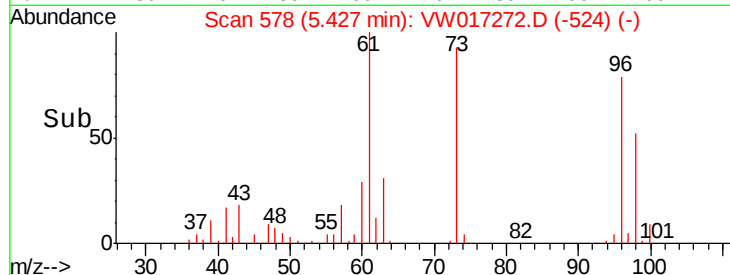
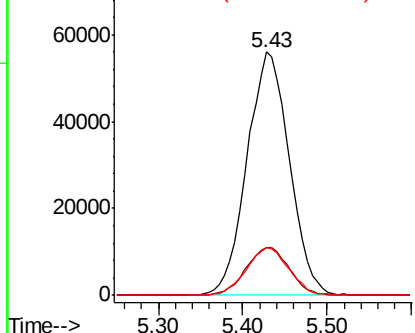
#17
Methvl tert-butvl Ether
Concen: 27.162 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion: 73 Resp: 192443
Ion Ratio Lower Upper
73 100
43 20.1 14.5 21.7
57 19.7 16.3 24.5

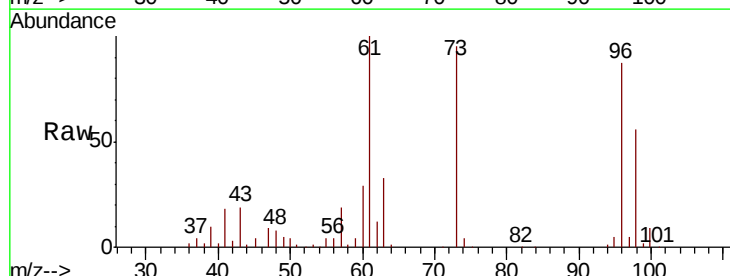


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

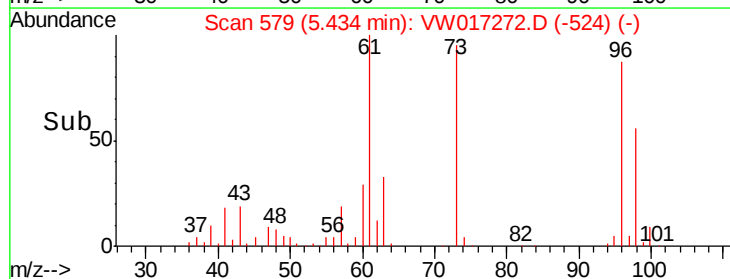
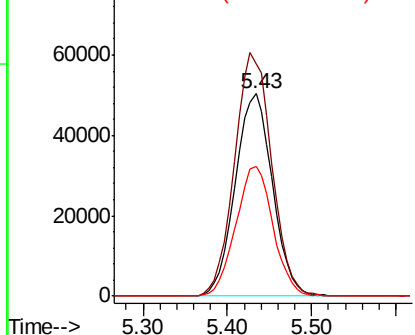


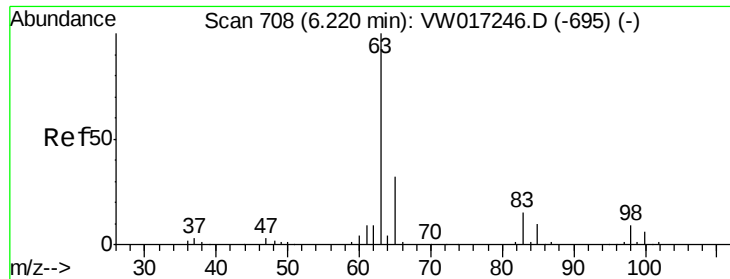
#18
trans-1,2-Dichloroethene
Concen: 25.073 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion: 96 Resp: 150593
Ion Ratio Lower Upper
96 100
61 115.1 86.8 161.2
98 64.2 44.4 82.4



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





#19

1,1-Dichloroethane

Concen: 25.564 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

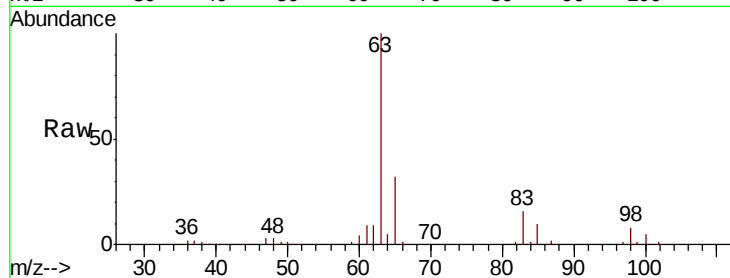
Tot Ion: 63 Resp: 243261

Ion Ratio Lower Upper

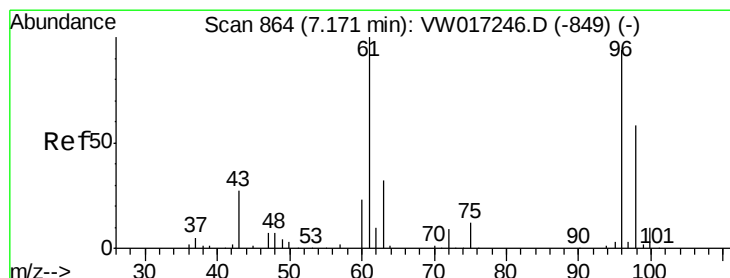
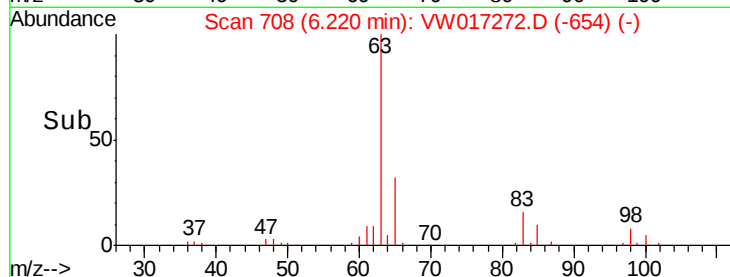
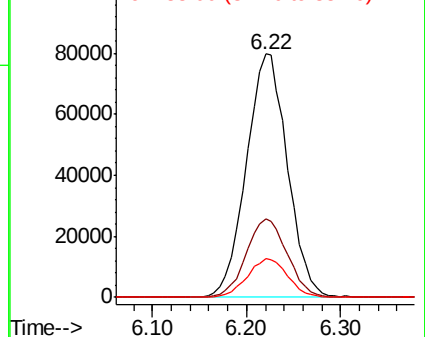
63 100

65 32.3 22.1 41.1

83 15.9 10.0 18.6



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: 43.486 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017272.D

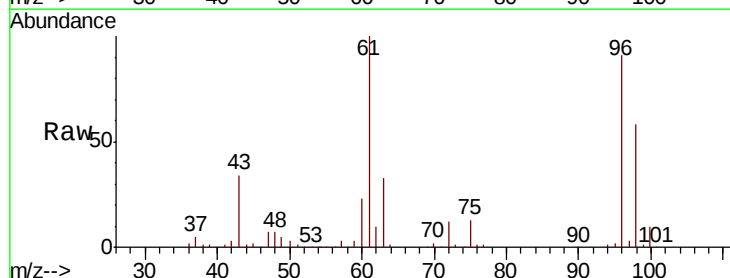
Acq: 17 Nov 2020 09:02

Tgt Ion: 43 Resp: 61564

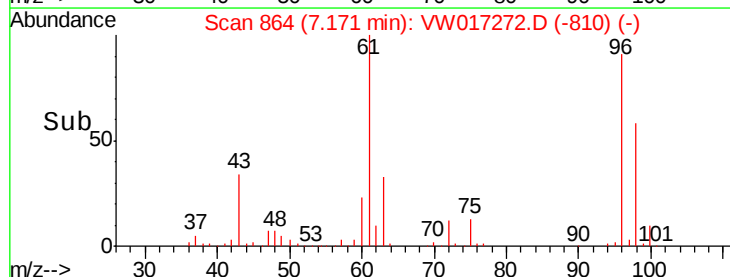
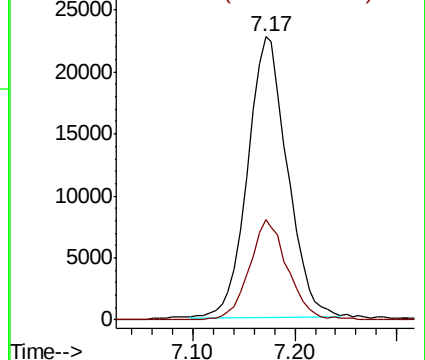
Ion Ratio Lower Upper

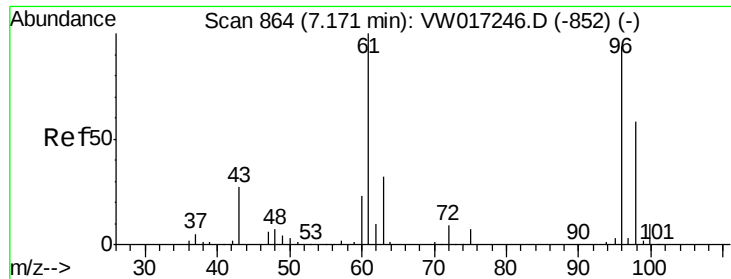
43 100

72 34.0 16.1 48.3



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



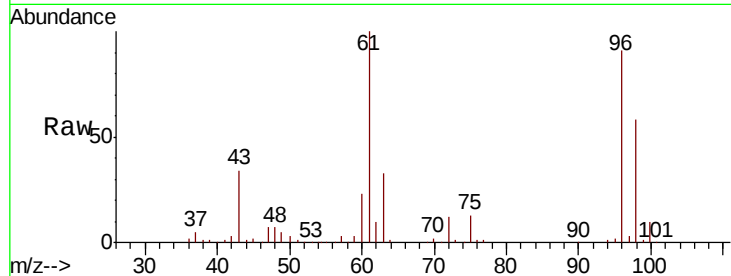


#22

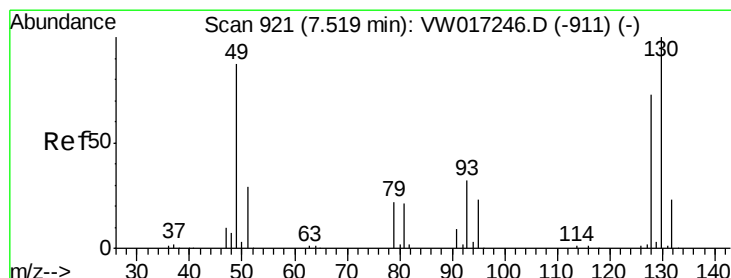
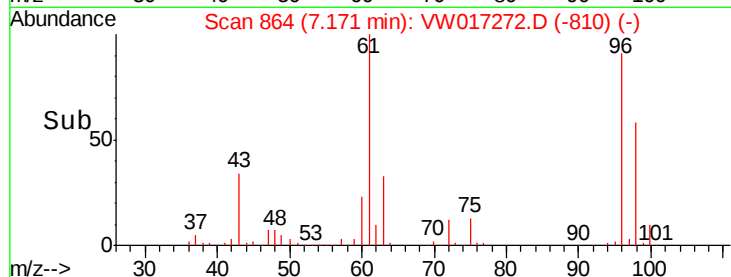
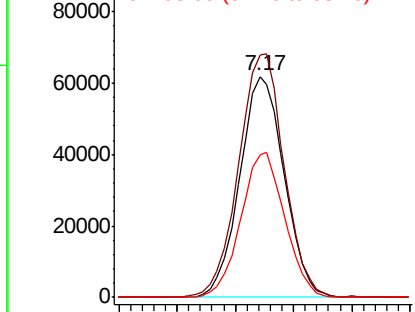
cis-1,2-Dichloroethene
Concen: 25.902 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion: 96 Resp: 164489
Ion Ratio Lower Upper
96 100
61 109.8 77.4 143.8
98 64.2 45.1 83.7



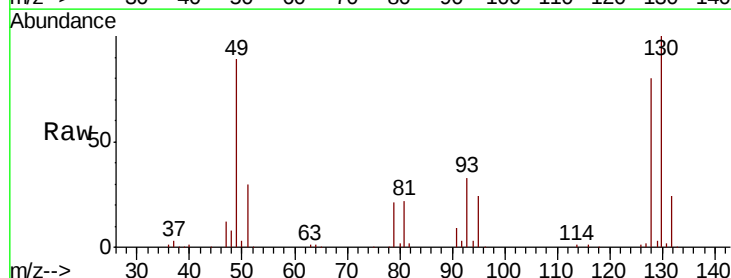
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



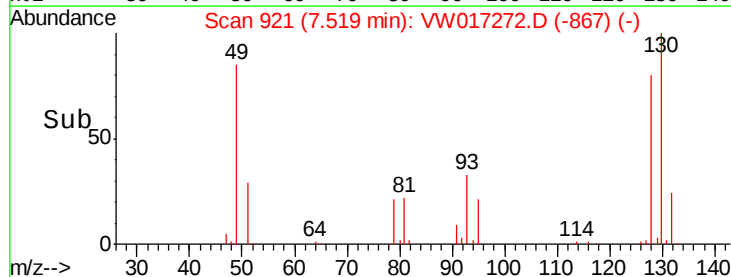
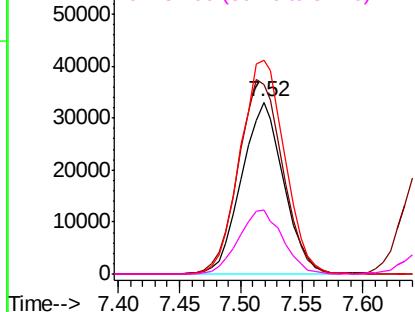
#23

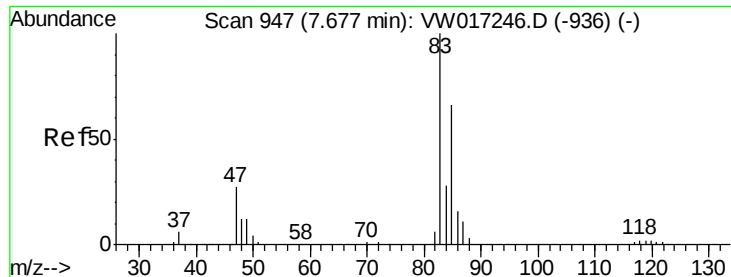
Bromochloromethane
Concen: 25.899 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion: 128 Resp: 79187
Ion Ratio Lower Upper
128 100
49 110.6 88.3 163.9
130 124.4 95.6 177.6
51 37.1 32.2 48.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

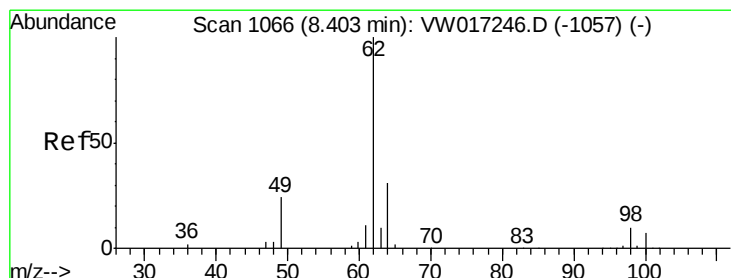
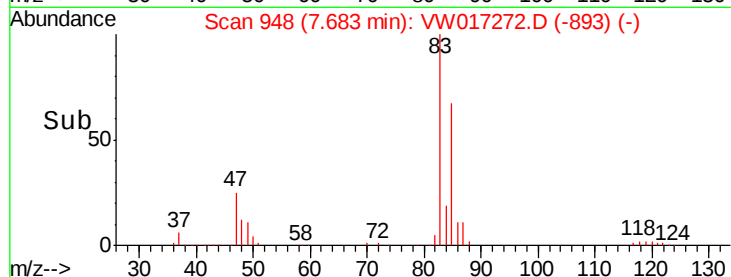
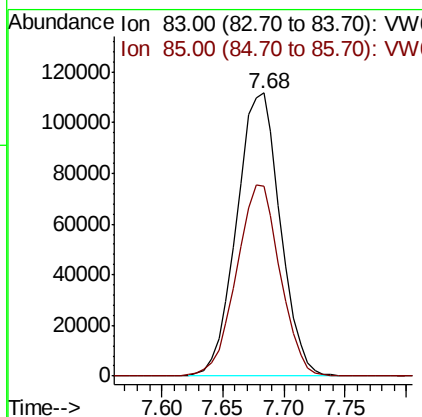
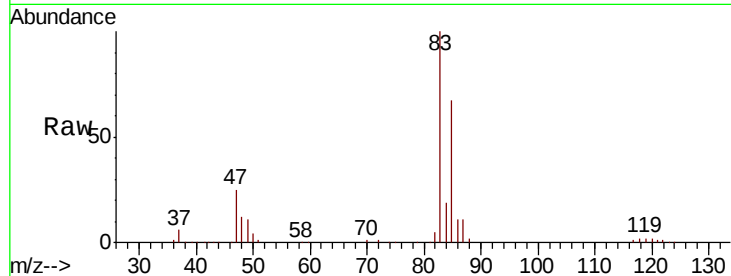




#25
Chloroform
Concen: 26.735 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

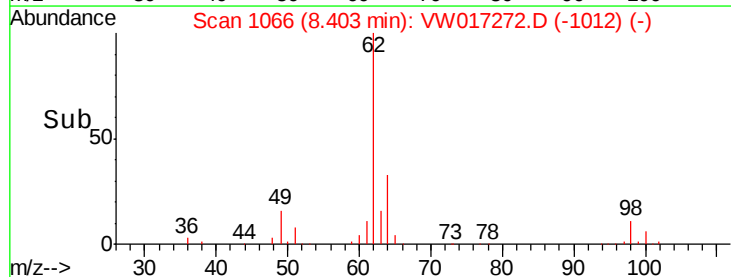
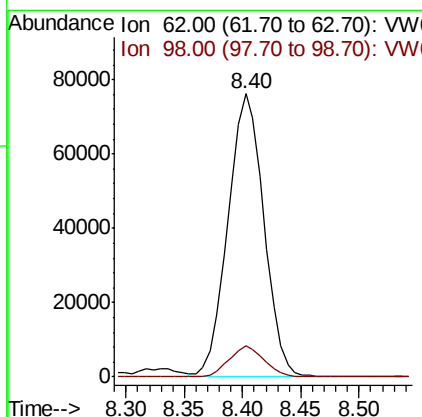
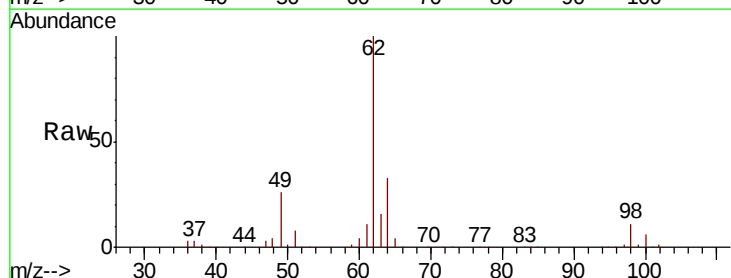
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

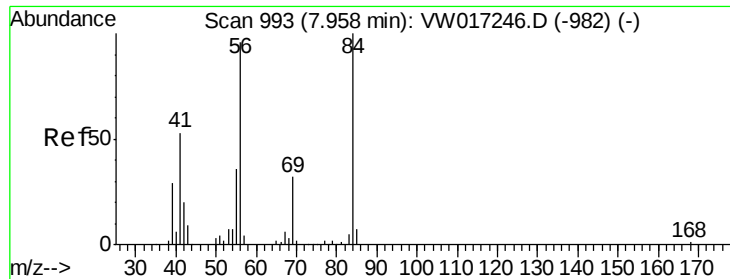
Tot Ion: 83 Resp: 276971
Ion Ratio Lower Upper
83 100
85 67.7 46.4 86.2



#27
1,2-Dichloroethane
Concen: 26.446 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion: 62 Resp: 164187
Ion Ratio Lower Upper
62 100
98 10.9 9.4 14.0

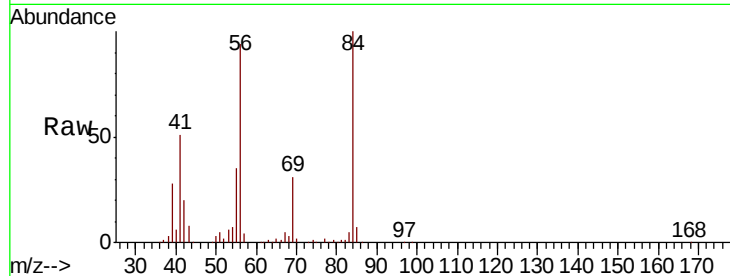




#30
Cyclohexane
Concen: 24.801 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.1	39.1
84	103.8	79.1	118.7

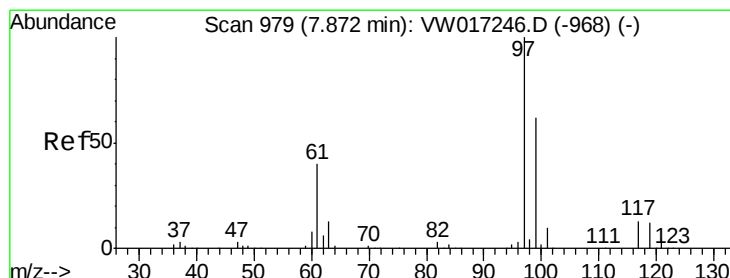
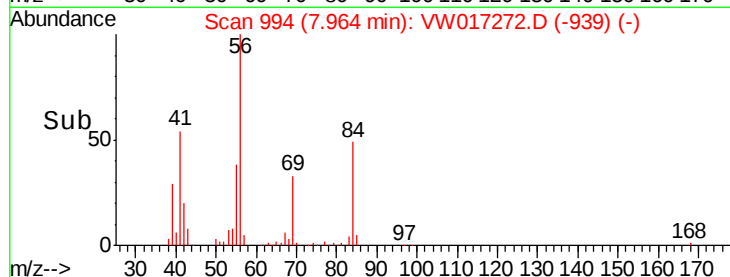
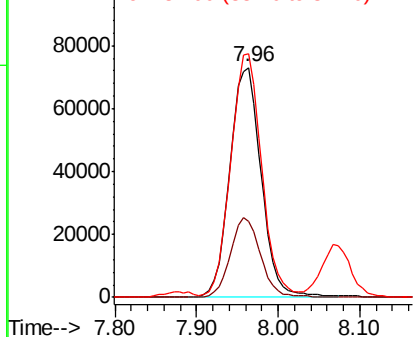


Abundance

Ion 56.00 (55.70 to 56.70): VW

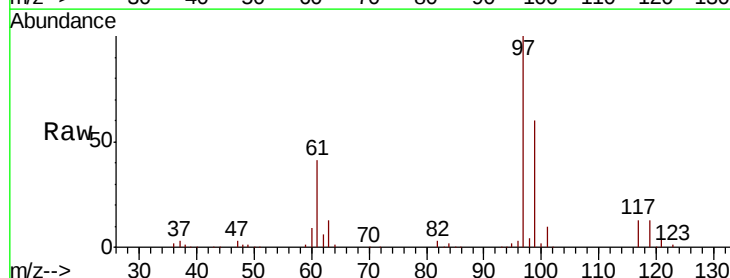
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31
1,1,1-Trichloroethane
Concen: 29.832 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	42.0	31.6	47.4

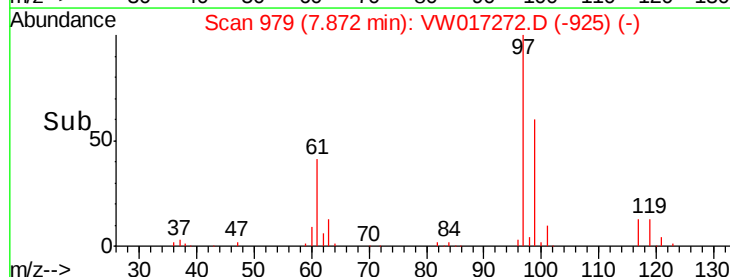
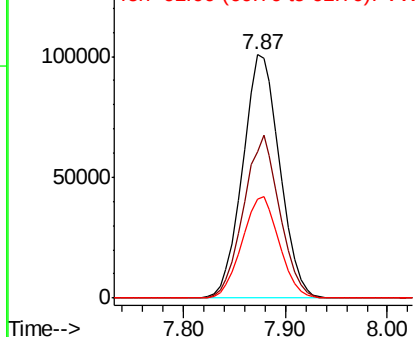


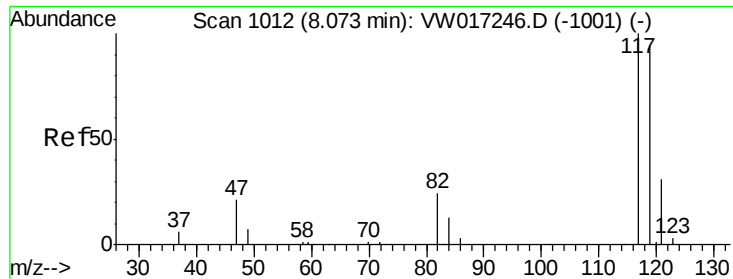
Abundance

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: 29.984 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampled :

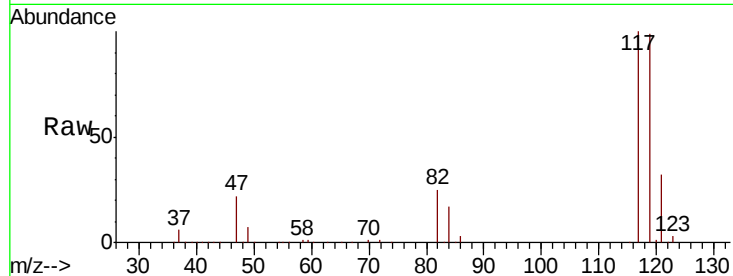
VSTD02509

Tot Ion:117 Resp: 246503

Ion Ratio Lower Upper

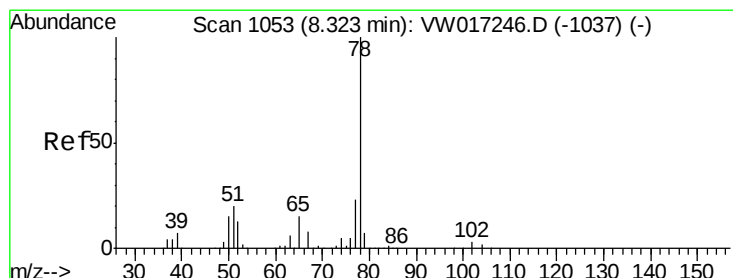
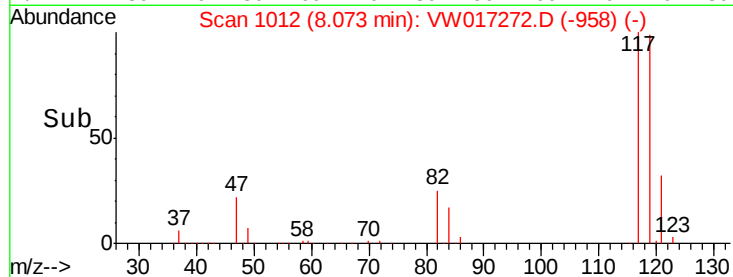
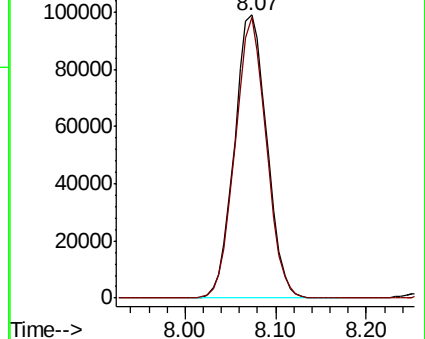
117 100

119 94.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.677 ug/L

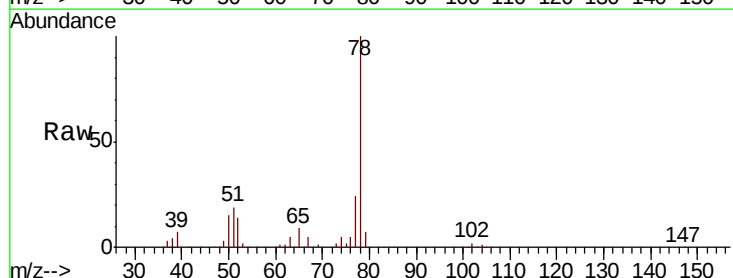
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

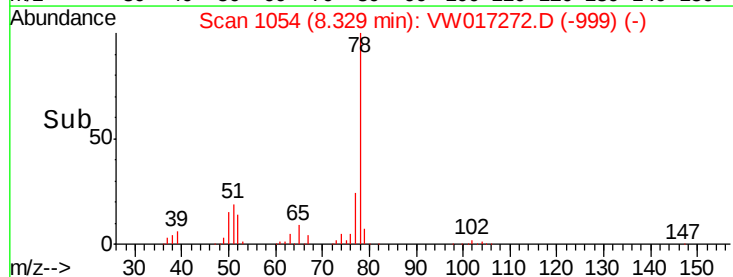
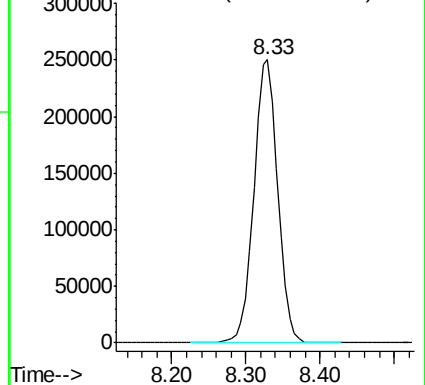
Lab File: VW017272.D

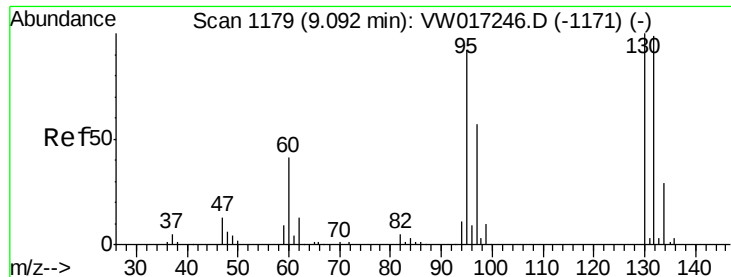
Acq: 17 Nov 2020 09:02

Tgt Ion: 78 Resp: 560941



Abundance Ion 78.00 (77.70 to 78.70): VW

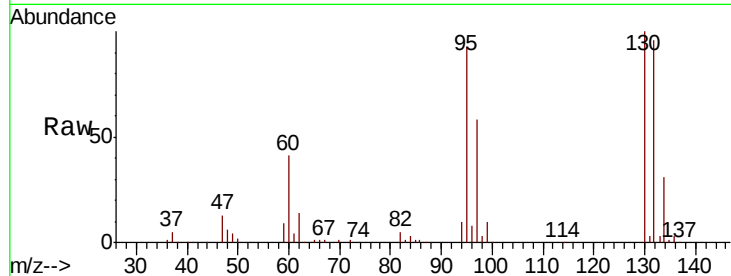




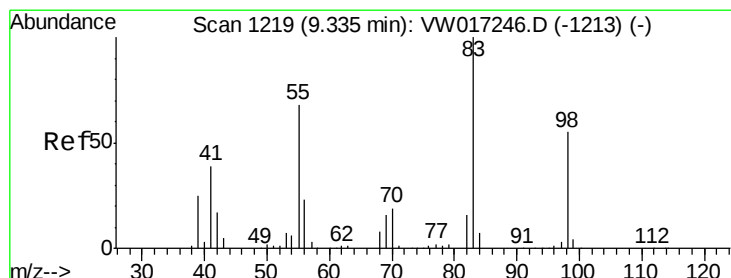
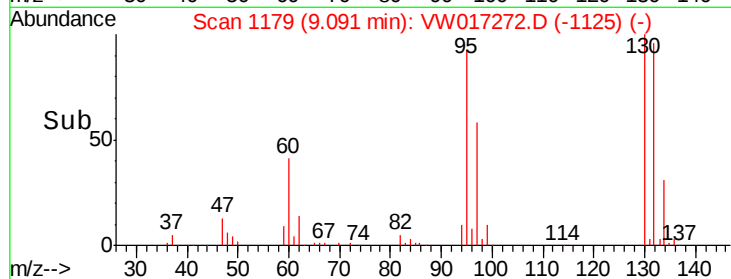
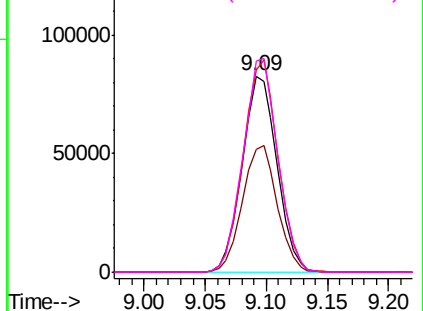
#35
 Trichloroethene
 Concen: 26.773 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion: 95 Resp: 163843
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.0 83.6
 132 108.1 73.7 136.9
 130 108.9 77.1 143.1

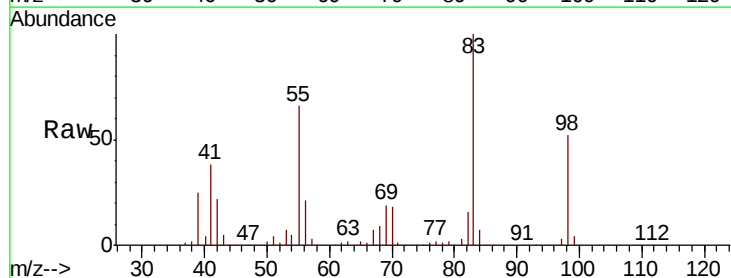


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

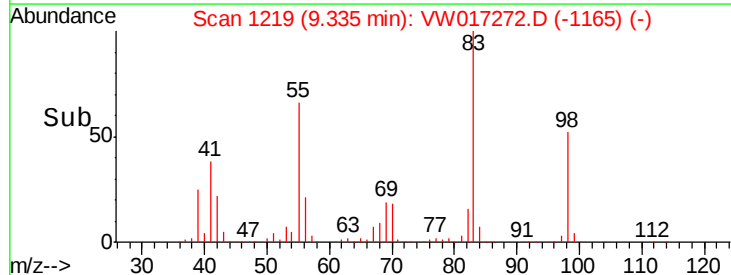
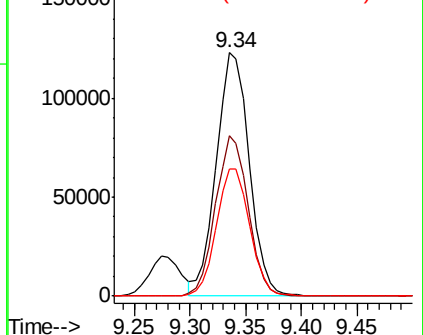


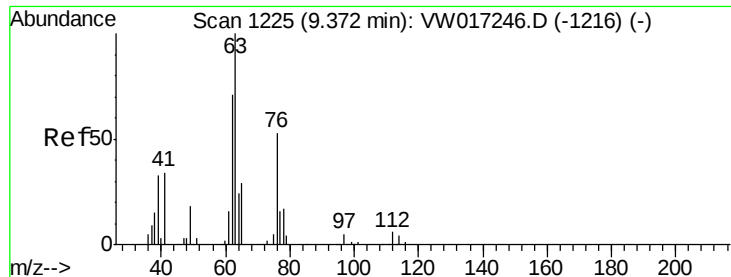
#36
 Methylcyclohexane
 Concen: 25.700 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion: 83 Resp: 253076
 Ion Ratio Lower Upper
 83 100
 55 65.0 54.4 81.6
 98 52.9 40.5 60.7



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

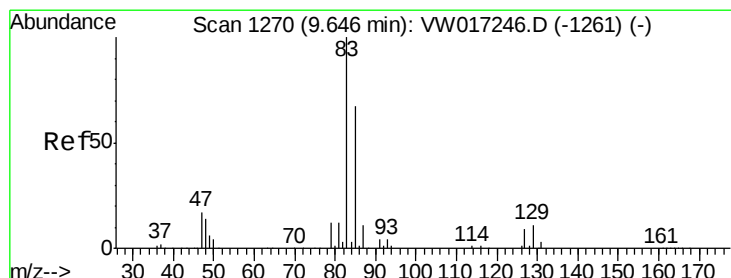
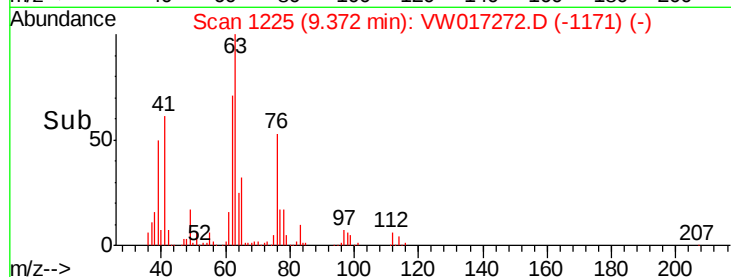
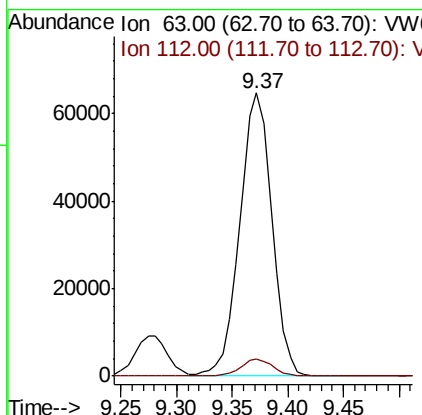
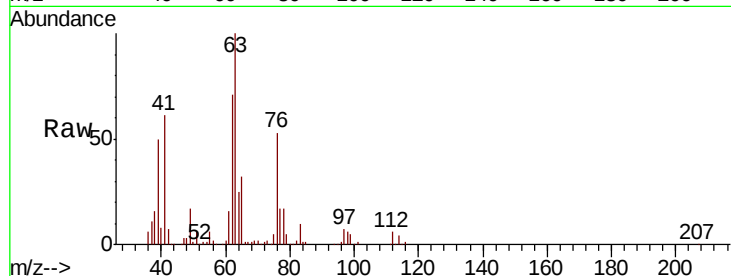




#40
 1,2-Dichloropropane
 Concen: 25.459 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

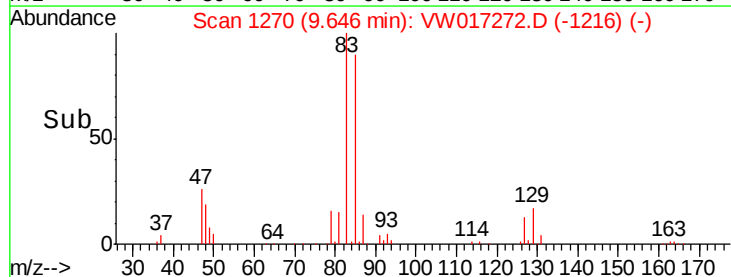
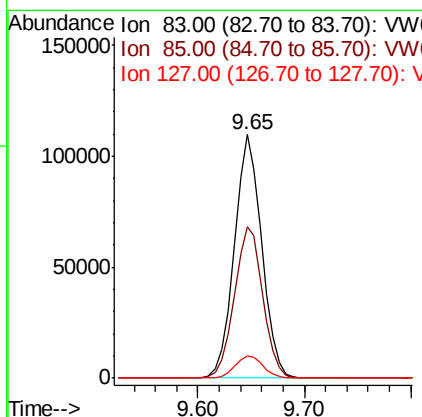
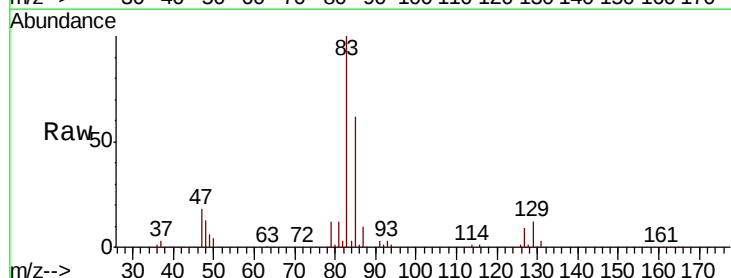
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

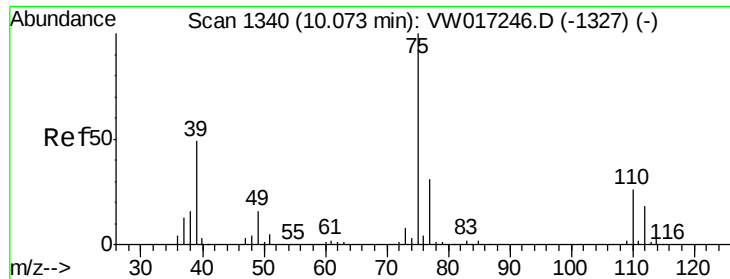
Tot Ion: 63 Resp: 130018
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.2 6.2



#41
 Bromodichloromethane
 Concen: 28.070 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion: 83 Resp: 198260
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.4 82.4
 127 9.1 7.3 10.9

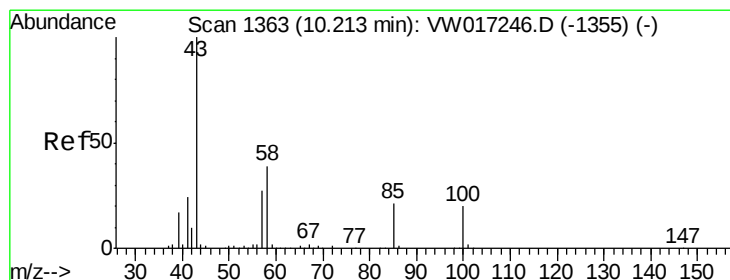
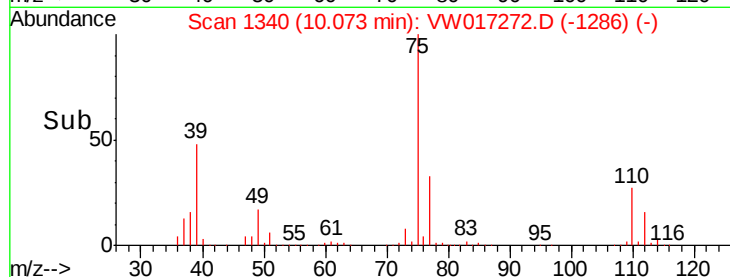
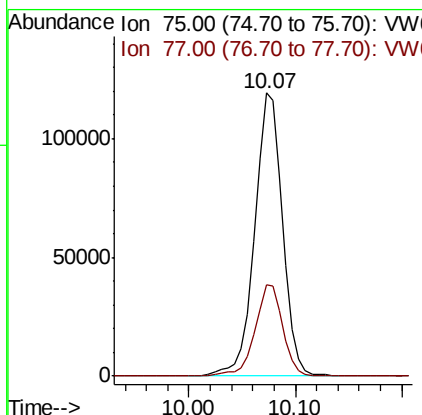
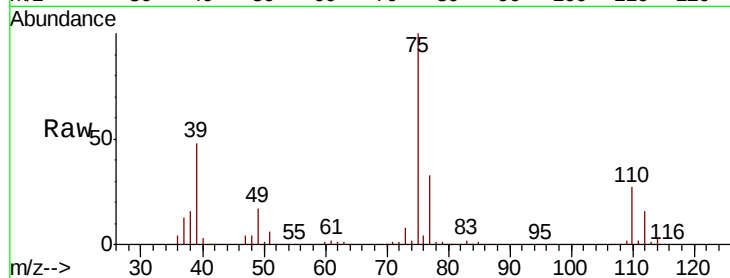




#42
 cis-1,3-Dichloropropene
 Concen: 27.131 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

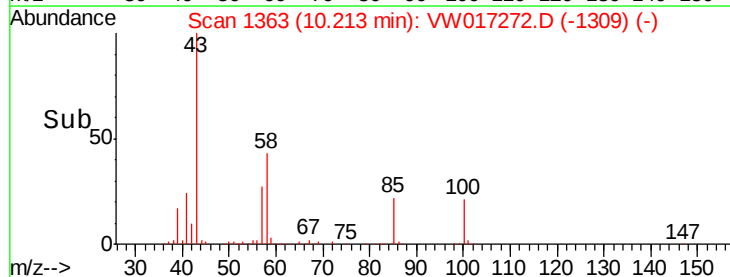
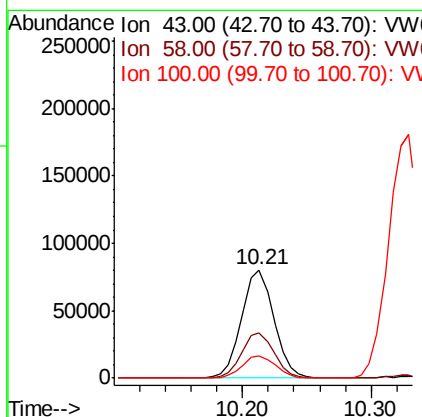
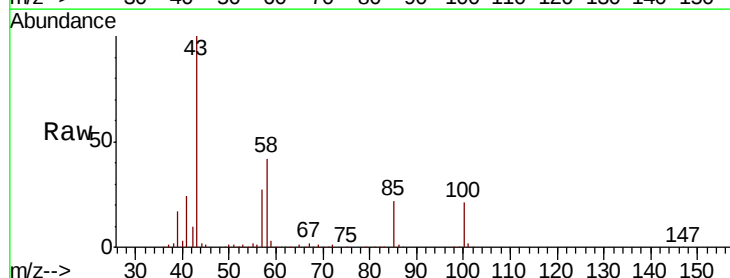
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

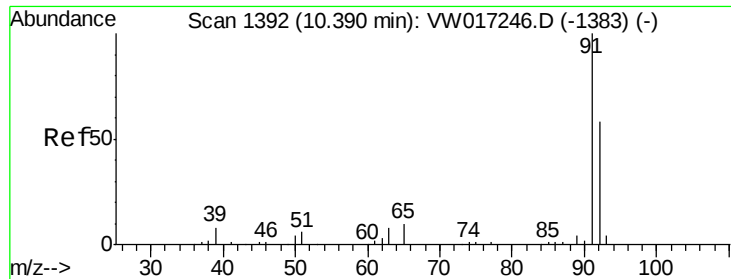
Tot Ion: 75 Resp: 219457
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 44.415 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion: 43 Resp: 139940
 Ion Ratio Lower Upper
 43 100
 58 41.9 35.0 52.6
 100 20.9 16.6 24.8





#44

Toluene

Concen: 26.744 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

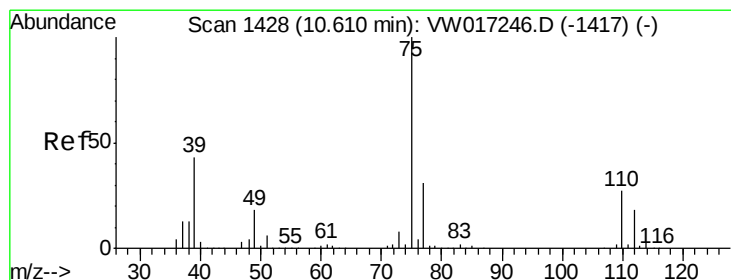
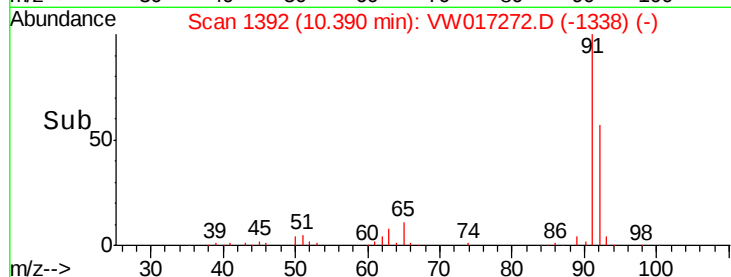
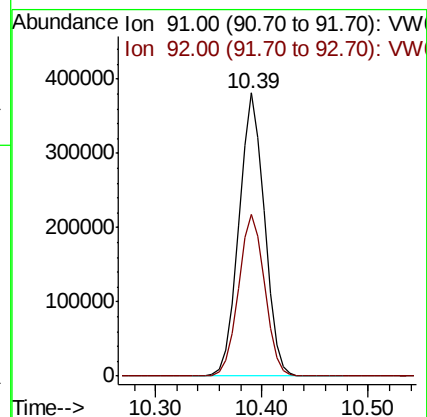
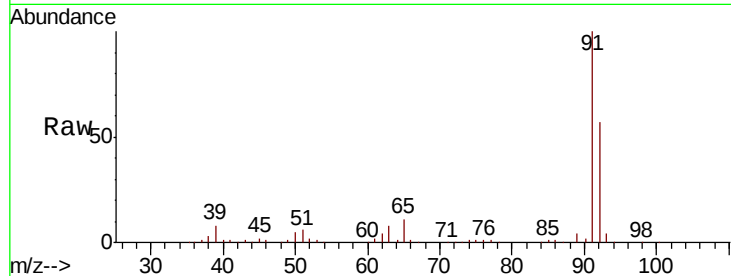
VSTD02509

Tot Ion: 91 Resp: 643098

Ion Ratio Lower Upper

91 100

92 57.2 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 27.552 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017272.D

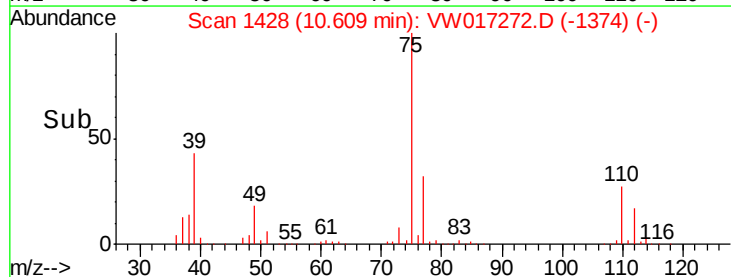
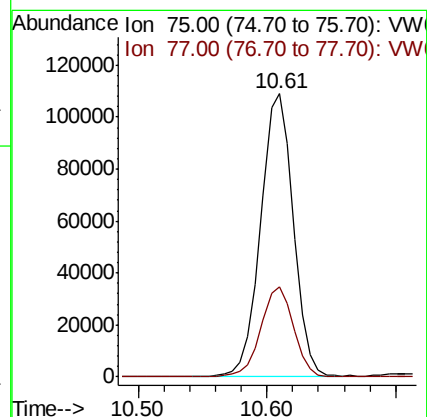
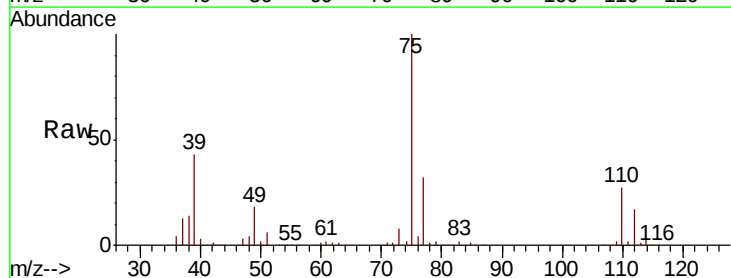
Acq: 17 Nov 2020 09:02

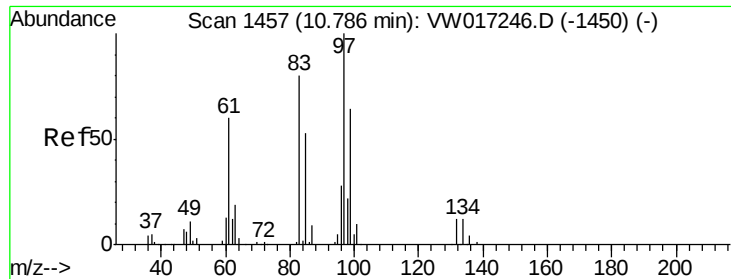
Tgt Ion: 75 Resp: 191392

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1

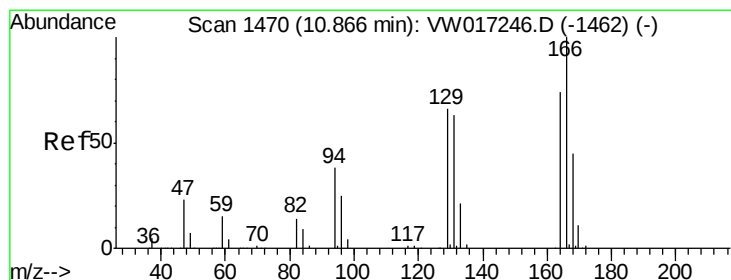
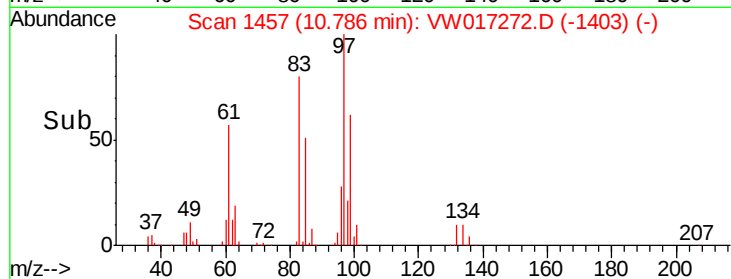
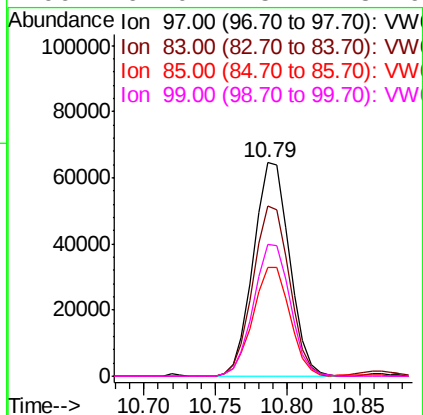
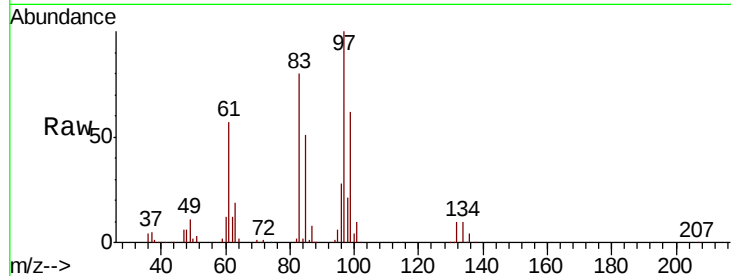




#46
 1,1,2-Trichloroethane
 Concen: 25.519 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

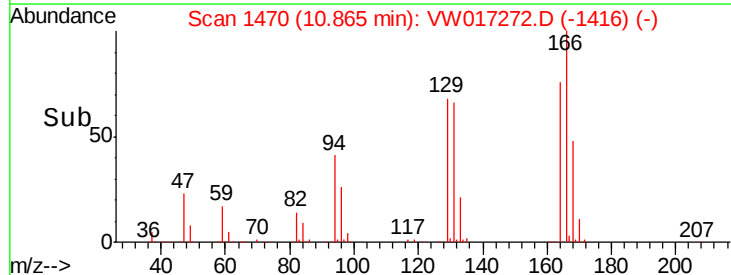
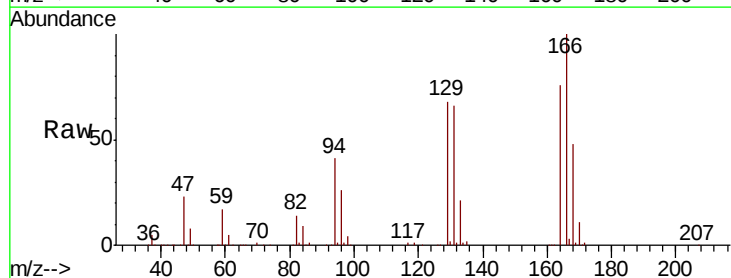
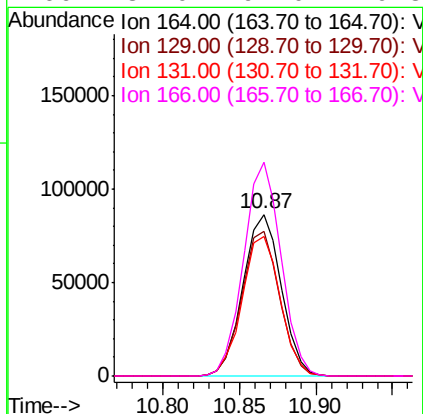
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

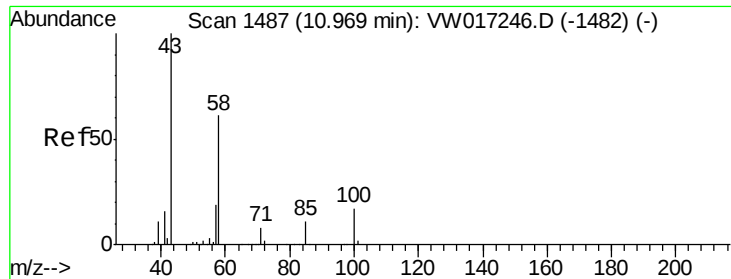
Tot Ion	97	Resp	112359
Ion	Ratio	Lower	Upper
97	100		
83	79.7	57.3	106.5
85	50.9	37.2	69.0
99	62.0	45.7	84.9



#47
 Tetrachloroethene
 Concen: 27.217 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion	164	Resp	150274
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.9	116.7
131	86.6	63.3	117.5
166	132.0	92.0	170.8





#49

2-Hexanone

Concen: 47.919 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 43 Resp: 91022

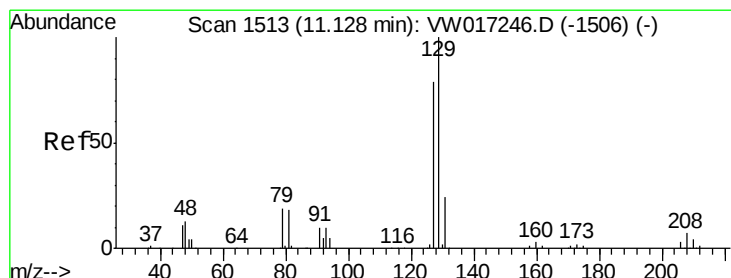
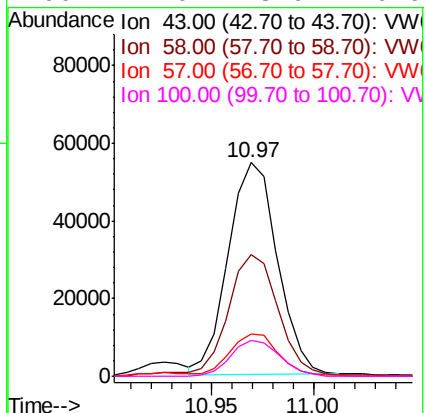
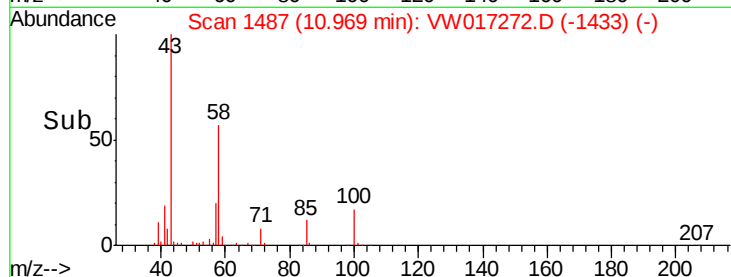
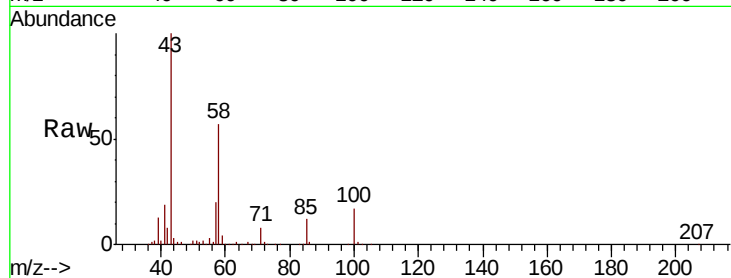
Ion Ratio Lower Upper

43 100

58 59.2 50.6 75.8

57 20.3 17.8 26.6

100 17.0 13.9 20.9



#50

Dibromochloromethane

Concen: 28.364 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017272.D

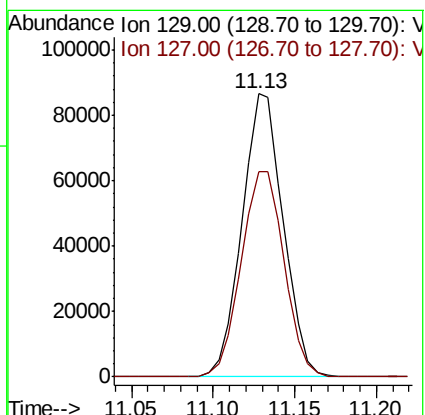
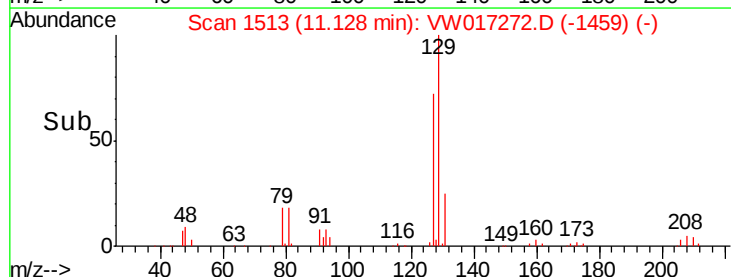
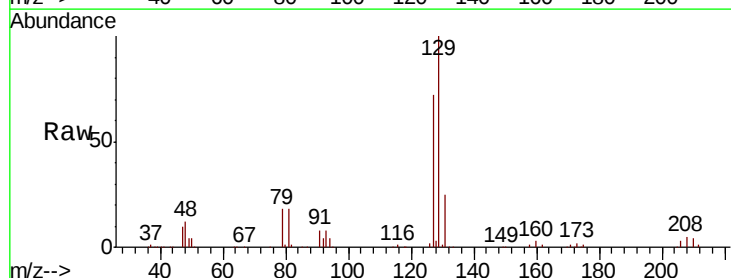
Acq: 17 Nov 2020 09:02

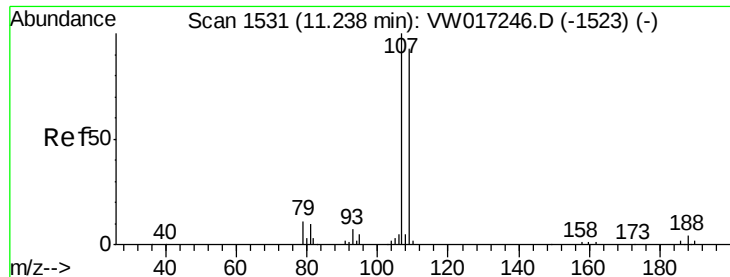
Tgt Ion: 129 Resp: 152152

Ion Ratio Lower Upper

129 100

127 72.3 54.3 100.9

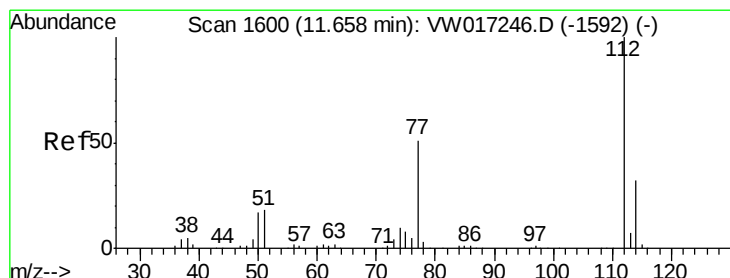
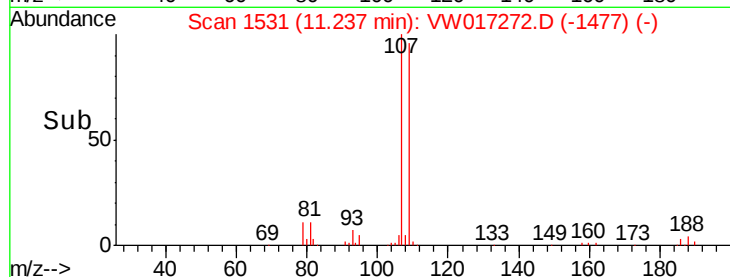
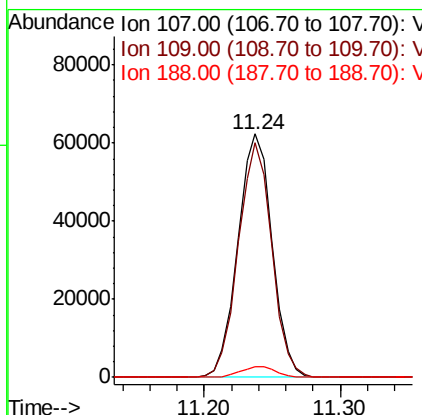
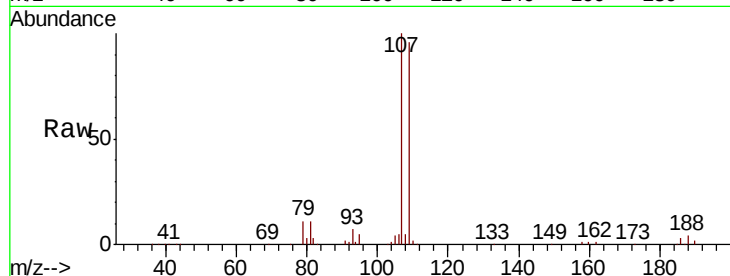




#51
1,2-Dibromoethane
Concen: 25.609 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

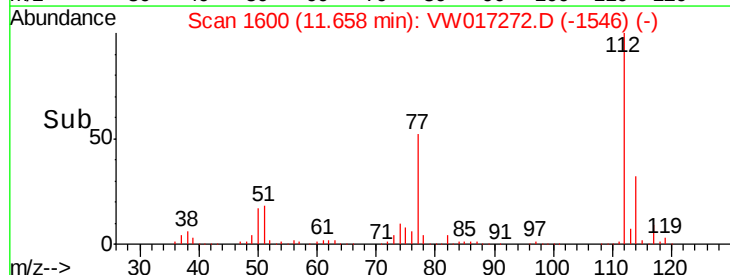
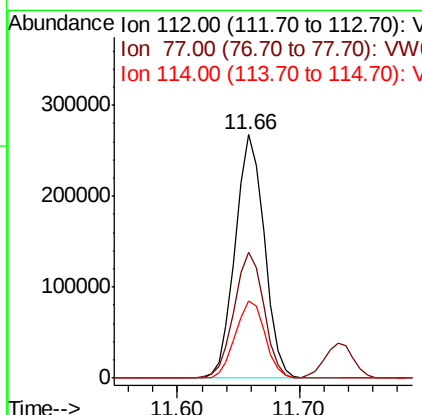
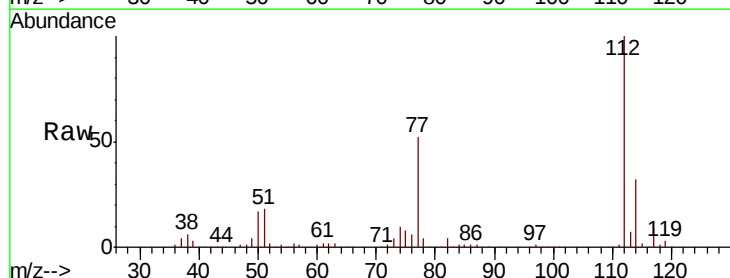
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

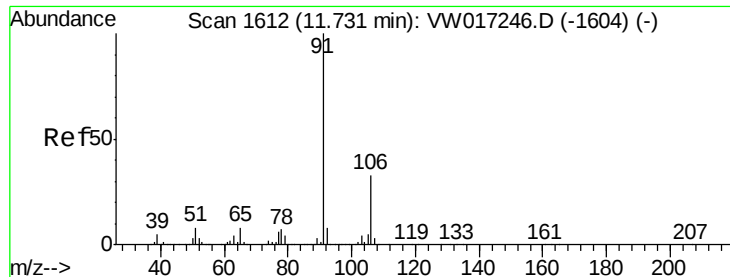
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	64.3	119.5
188	4.5	3.3	4.9



#52
Chlorobenzene
Concen: 27.066 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion	Ratio	Lower	Upper
112	100		
77	51.7	41.7	62.5
114	31.8	22.3	41.3





#53

Ethylbenzene

Concen: 27.826 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

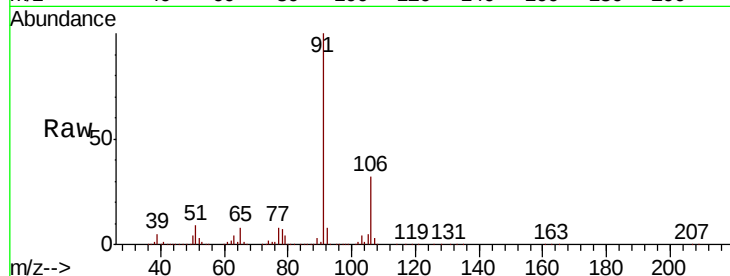
VSTD02509

Tot Ion: 91 Resp: 747386

Ion Ratio Lower Upper

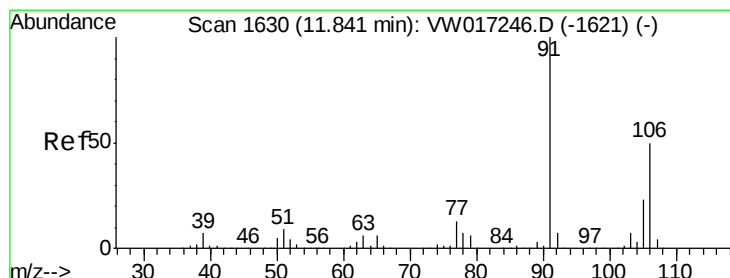
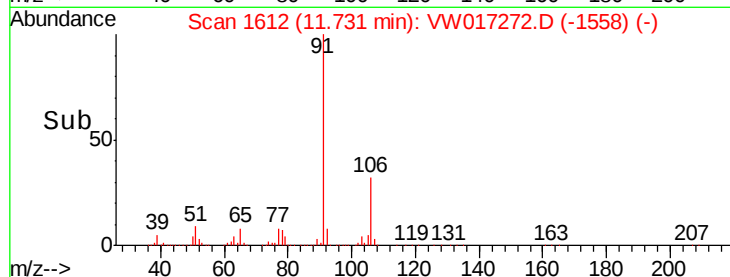
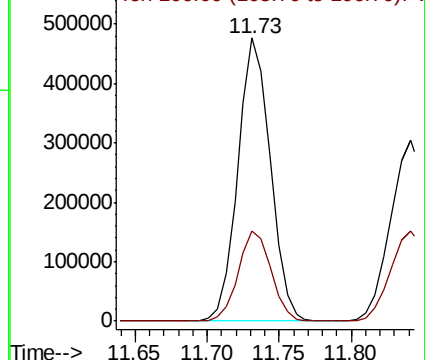
91 100

106 32.0 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.477 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017272.D

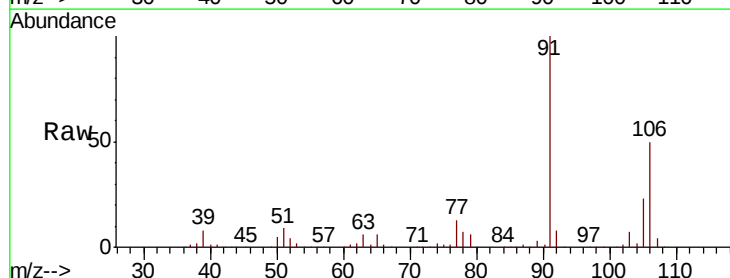
Acq: 17 Nov 2020 09:02

Tgt Ion: 106 Resp: 288698

Ion Ratio Lower Upper

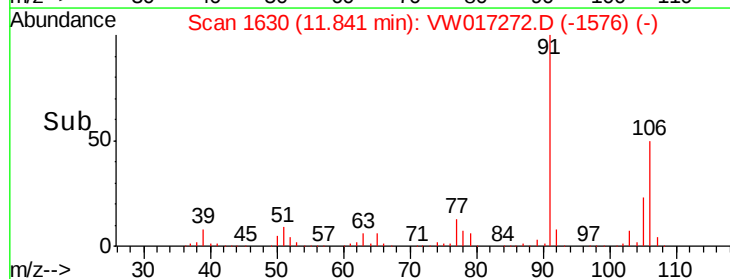
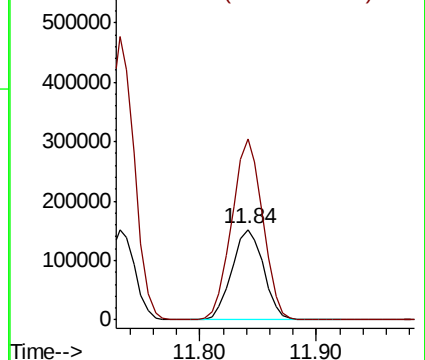
106 100

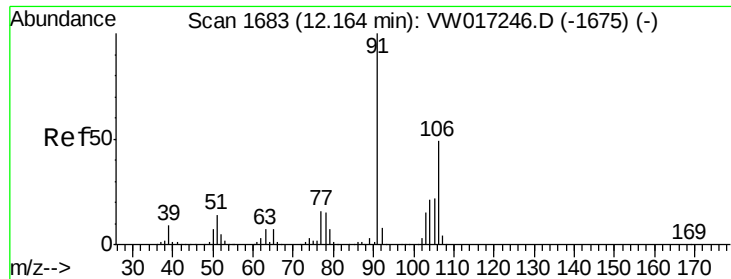
91 199.7 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

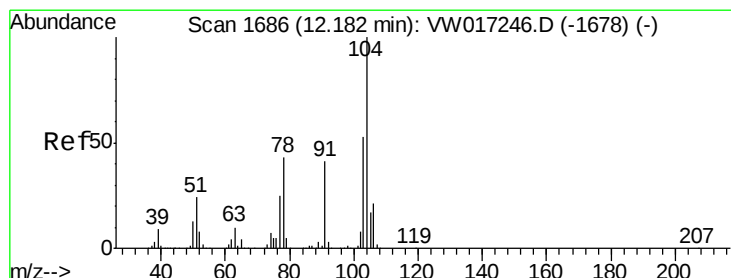
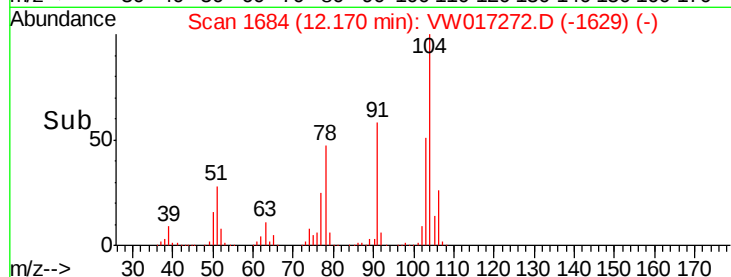
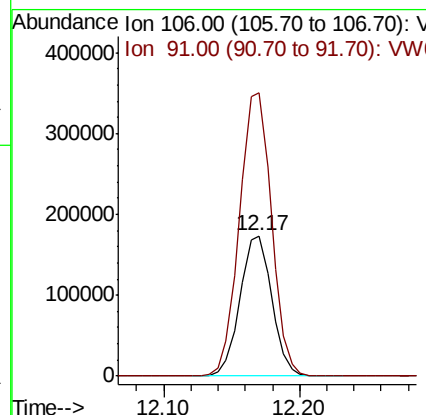
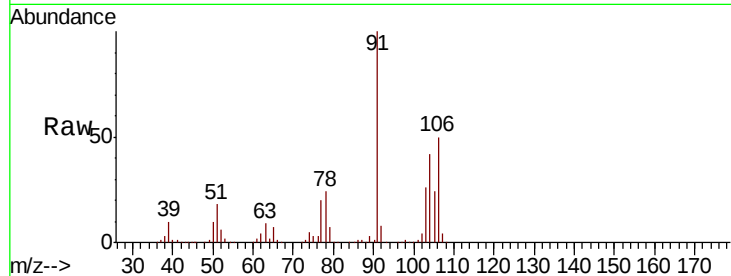




#55
o-xylene
Concen: 28.325 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

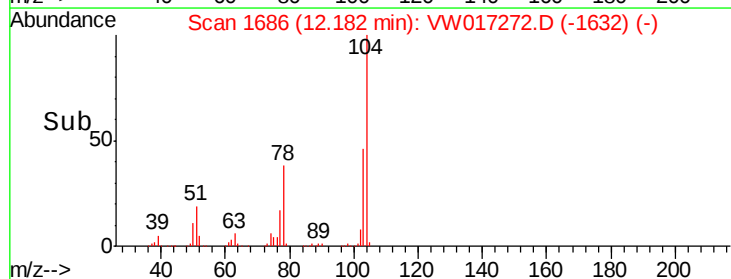
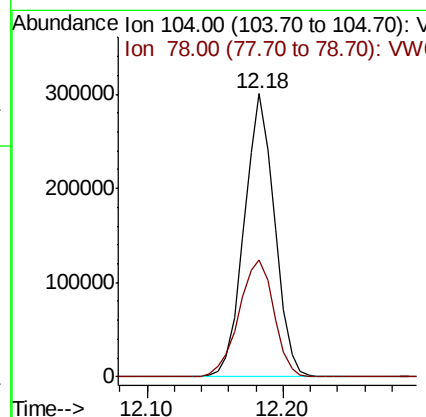
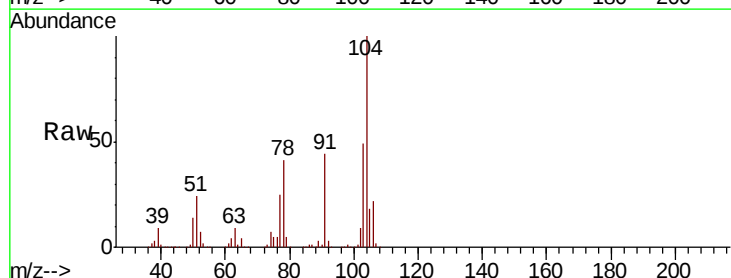
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

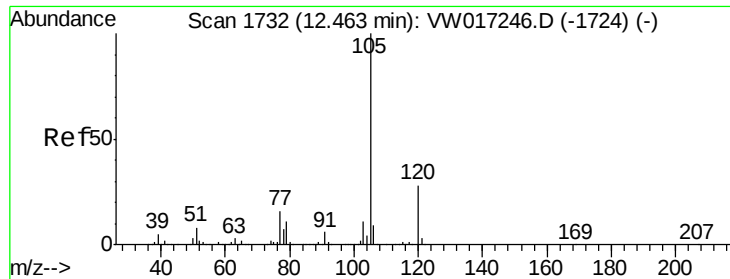
Tot Ion:106 Resp: 282473
Ion Ratio Lower Upper
106 100
91 201.8 140.8 261.4



#56
Styrene
Concen: 27.992 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017272.D
Acq: 17 Nov 2020 09:02

Tgt Ion:104 Resp: 468689
Ion Ratio Lower Upper
104 100
78 41.2 28.2 52.4





#57

Isopropylbenzene

Concen: 29.176 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

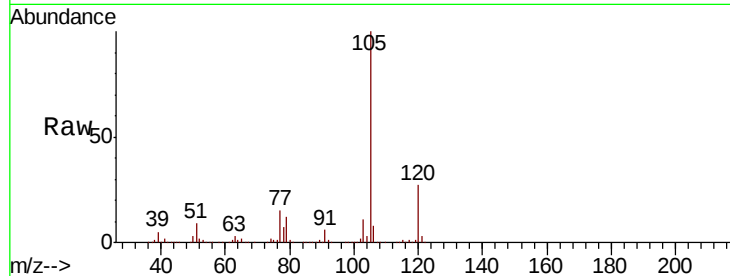
Tot Ion:105 Resp: 789643

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.6

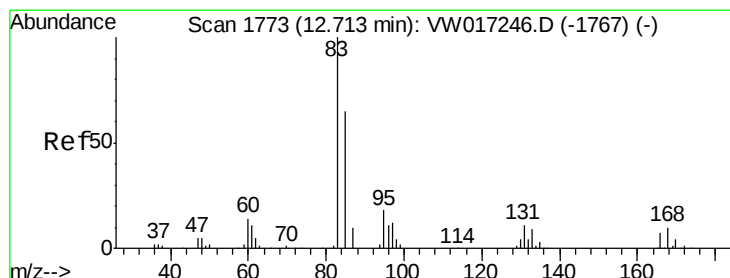
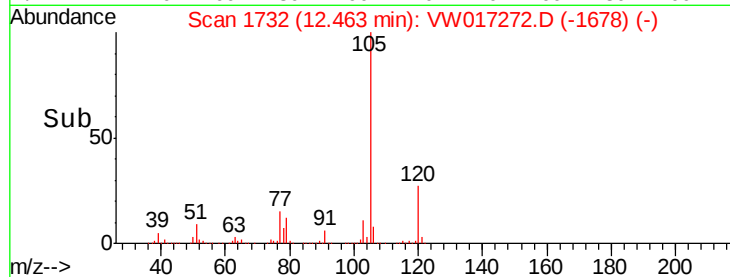
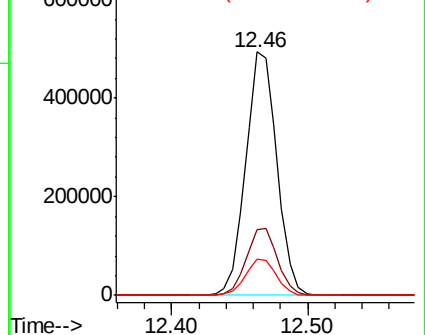
77 14.7 11.4 17.0



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: 24.395 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

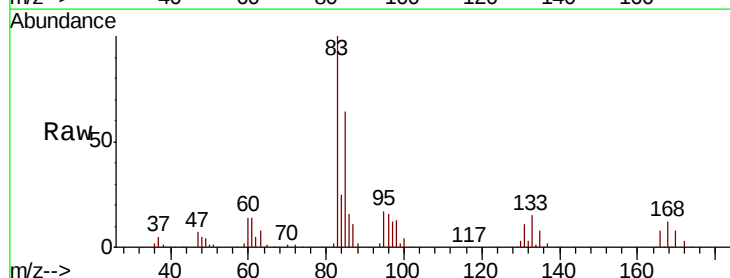
Tgt Ion: 83 Resp: 124083

Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.5

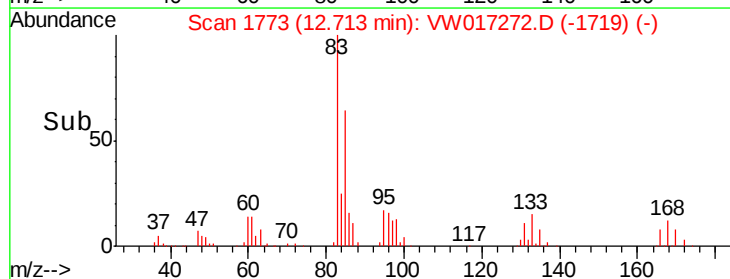
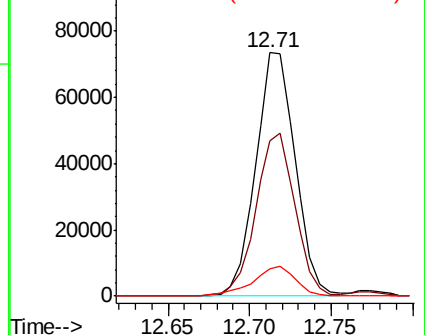
131 11.3 8.8 13.2

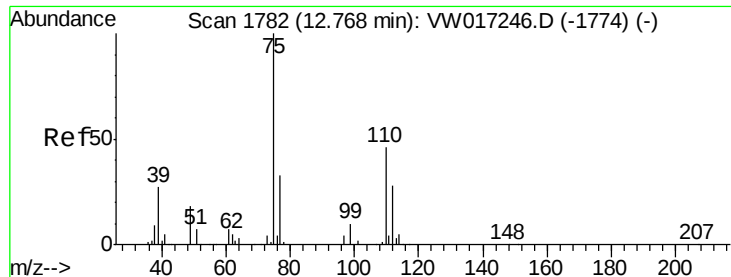


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.090 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

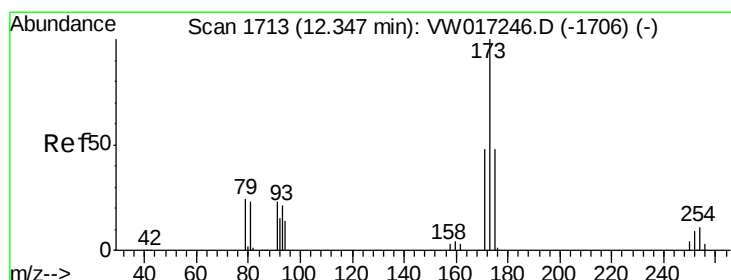
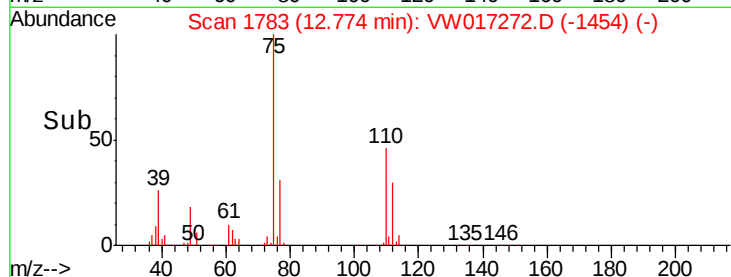
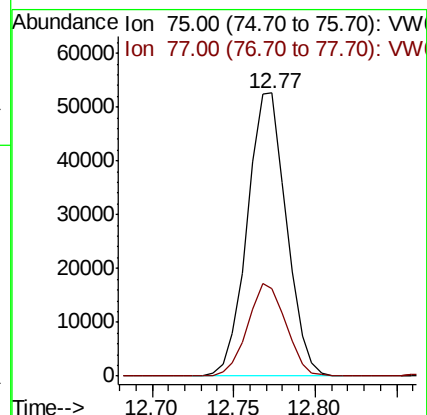
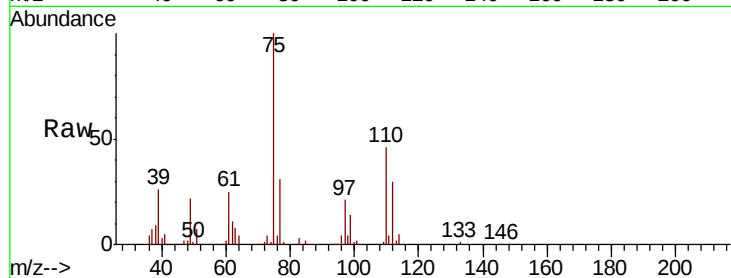
VSTD02509

Tot Ion: 75 Resp: 88077

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6



#62

Bromoform

Concen: 26.973 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

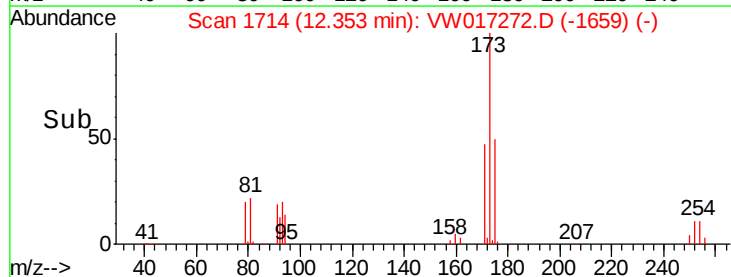
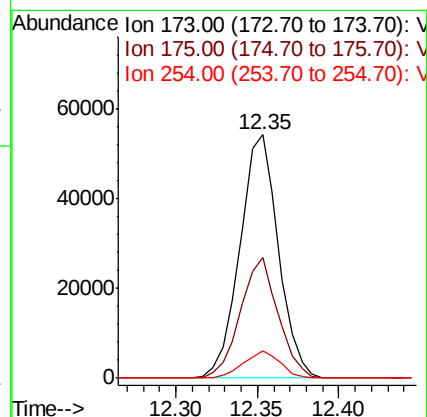
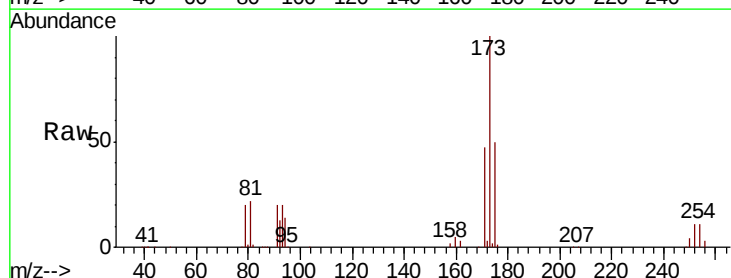
Tgt Ion: 173 Resp: 89117

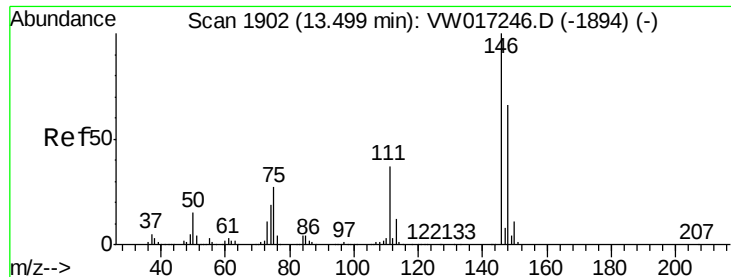
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 10.5 8.1 12.1

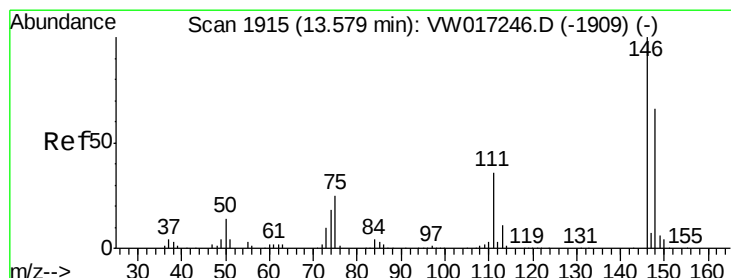
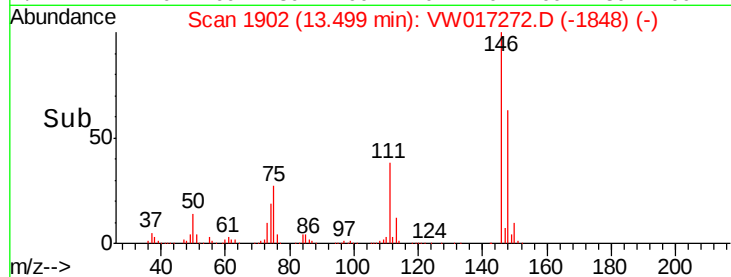
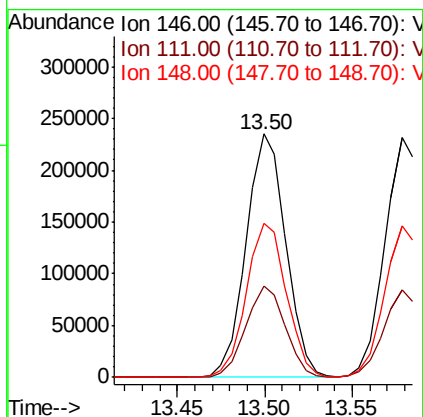
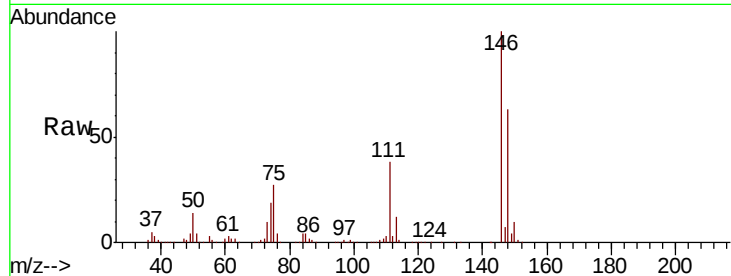




#63
 1,3-Dichlorobenzene
 Concen: 27.740 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

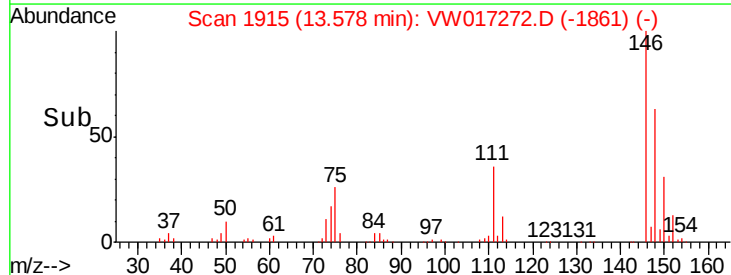
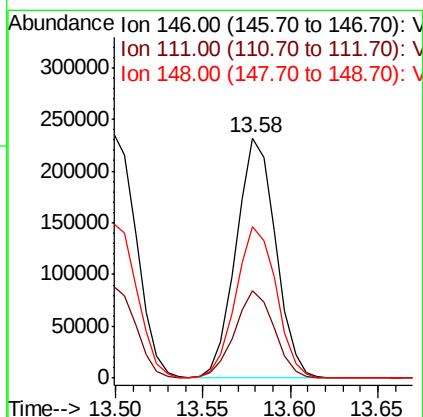
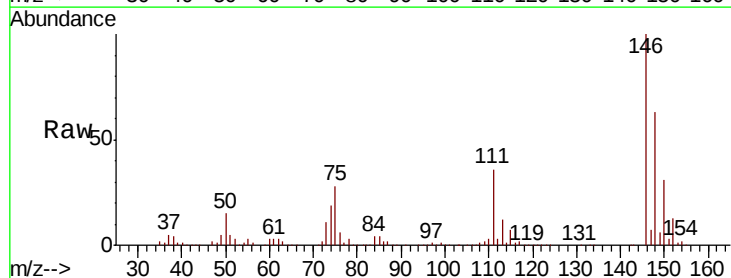
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

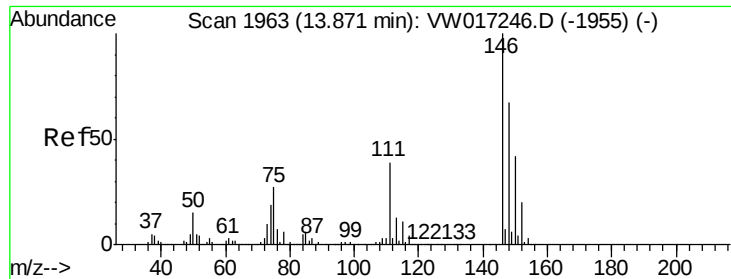
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.4	49.0
148	63.5	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 27.105 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	24.5	45.5
148	63.0	45.5	84.5

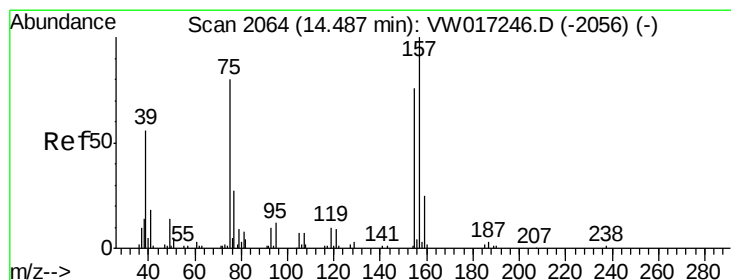
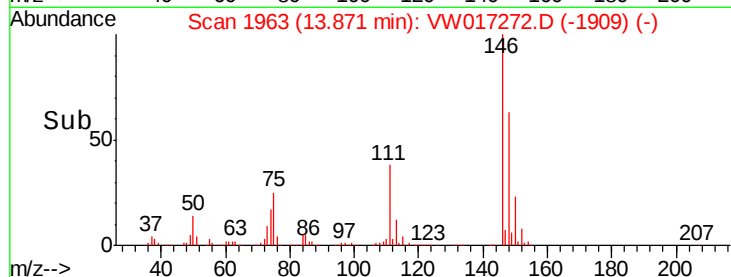
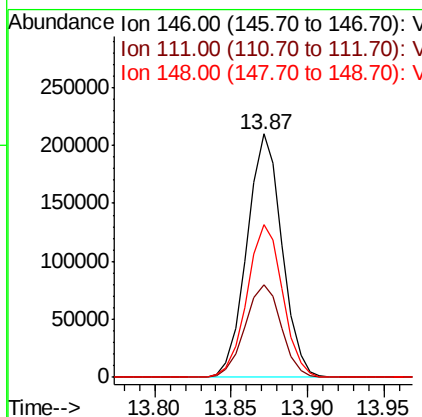
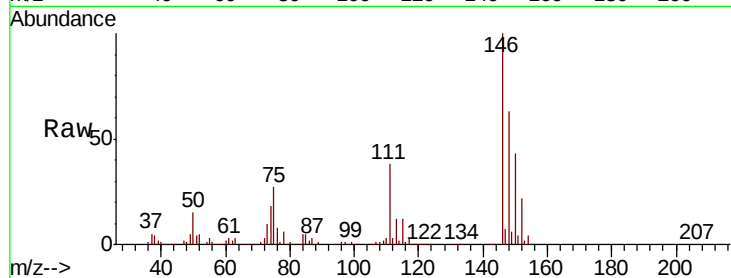




#65
 1,2-Dichlorobenzene
 Concen: 27.712 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

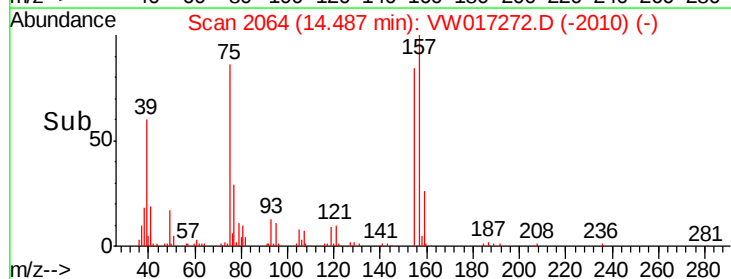
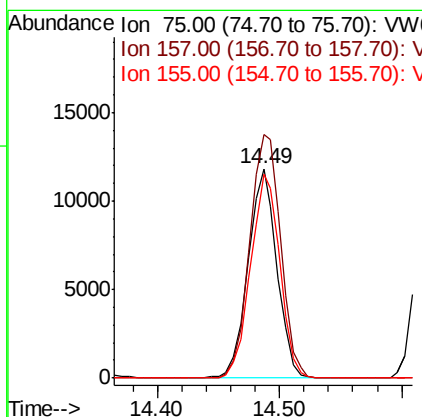
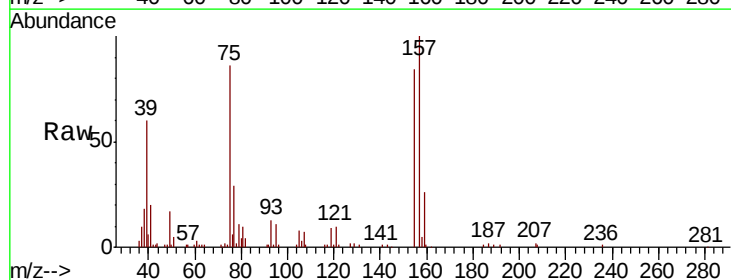
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

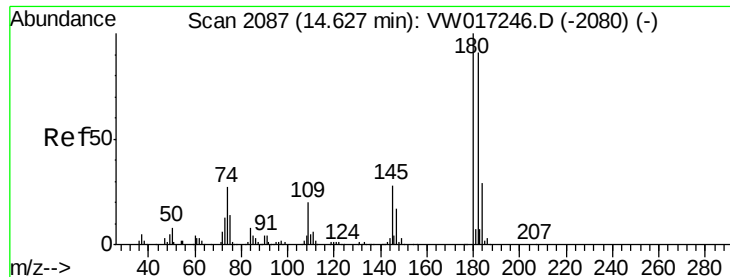
Tot Ion:146 Resp: 334603
 Ion Ratio Lower Upper
 146 100
 111 37.9 30.5 45.7
 148 63.0 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.212 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017272.D
 Acq: 17 Nov 2020 09:02

Tgt Ion: 75 Resp: 19329
 Ion Ratio Lower Upper
 75 100
 157 116.3 108.2 162.4
 155 97.5 79.1 118.7





#67

1,3,5-Trichlorobenzene

Concen: 28.661 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion:180 Resp: 282777

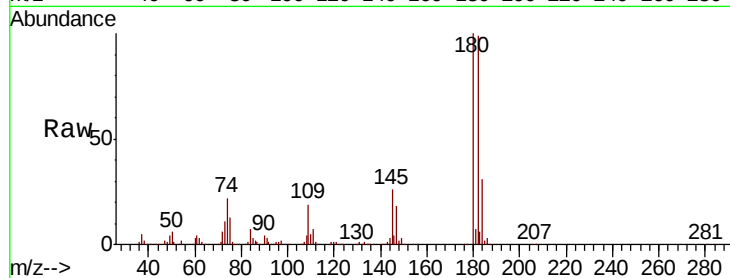
Ion Ratio Lower Upper

180 100

182 98.6 77.2 115.8

184 30.1 24.2 36.4

145 27.6 23.5 35.3

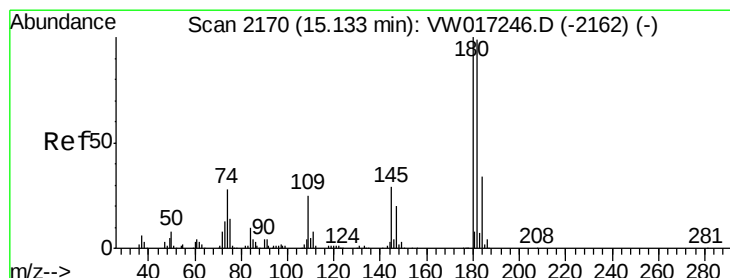
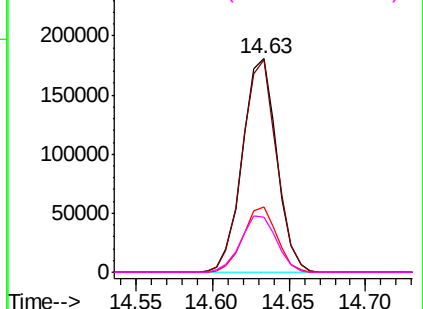
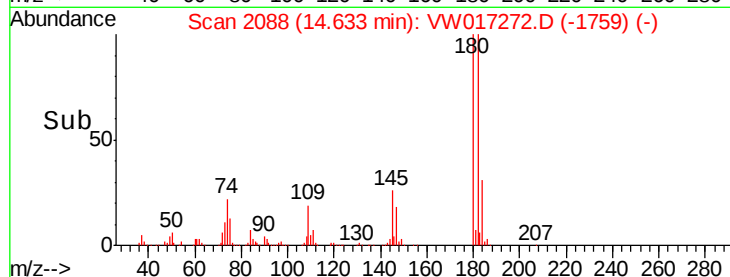


Abundance Ion 180.00 (179.70 to 180.70): V

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: 28.998 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

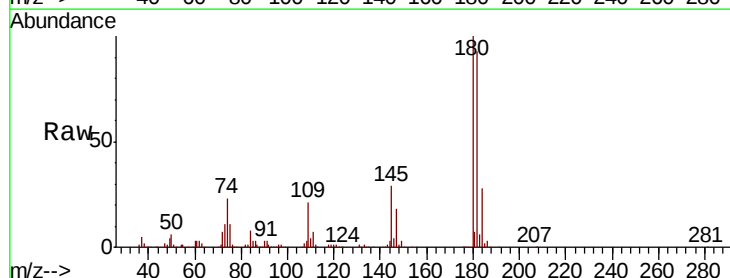
Tgt Ion:180 Resp: 228318

Ion Ratio Lower Upper

180 100

182 92.7 76.7 115.1

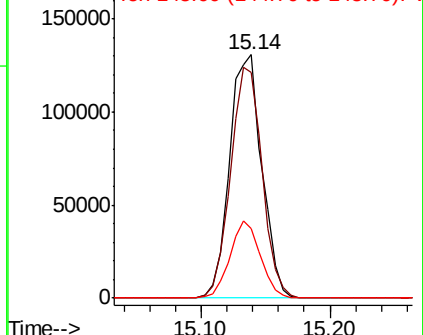
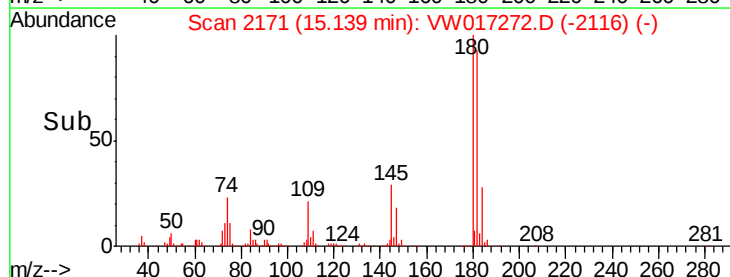
145 29.8 23.6 35.4

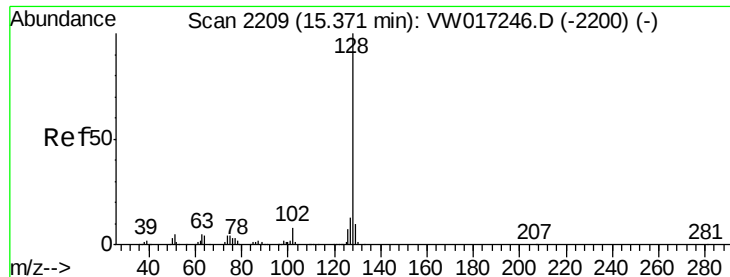


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.637 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

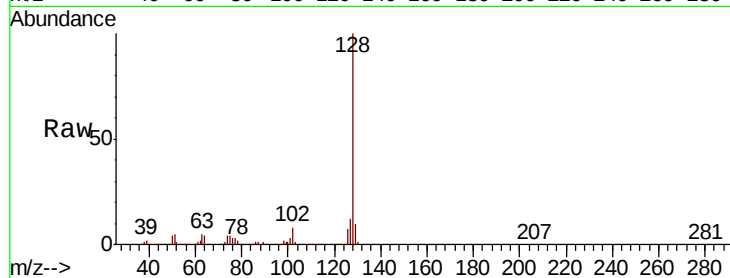
Tot Ion:128 Resp: 385960

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

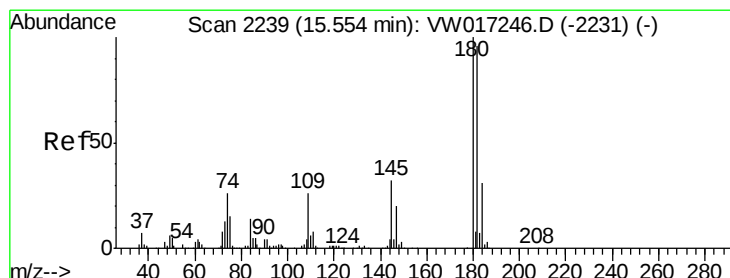
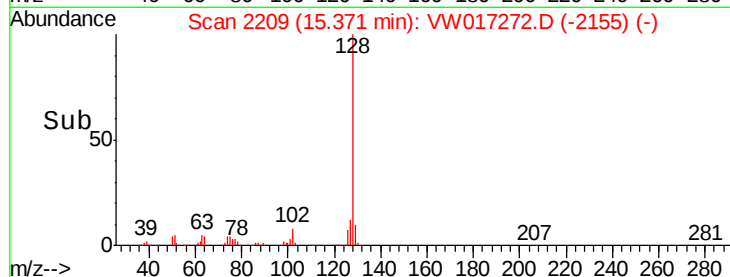
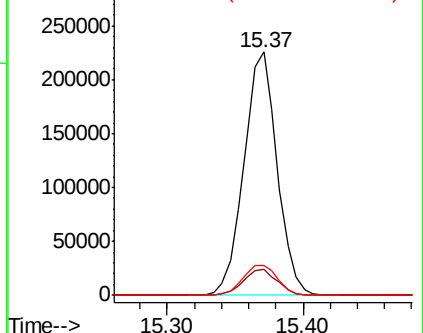
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.718 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017272.D

Acq: 17 Nov 2020 09:02

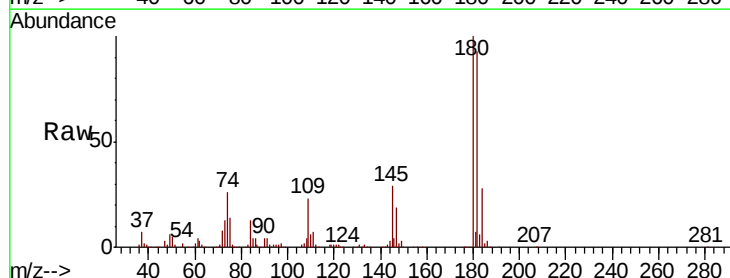
Tgt Ion:180 Resp: 192214

Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

145 32.0 24.5 36.7



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

