

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101220\
 Data File : VW016873.D
 Acq On : 12 Oct 2020 10:08
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Oct 13 06:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Oct 11 23:25:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	549890	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	492299	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	246294	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131333	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
7) Chloroethane-d5	2.89	69	111128	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
10) 1,1-Dichloroethene-d2	4.03	63	286481	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.48%
20) 2-Butanone-d5	7.08	46	57308	46.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.28%
24) Chloroform-d	7.65	84	289950	24.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.96%
26) 1,2-Dichloroethane-d4	8.31	65	132933	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
29) Benzene-d6	8.27	84	555653	24.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.40%
33) 1,2-Dichloropropane-d6	9.27	67	152455	25.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.48%
37) Toluene-d8	10.32	98	525199	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.56%
38) trans-1,3-Dichloropropene-	10.58	79	66922	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.00%
39) 2-Hexanone-d5	10.93	63	47305	50.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118412	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	196140	25.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	189372	28.812	ug/L	95
3) Chloromethane	2.21	50	151678	26.180	ug/L	99
5) Vinyl chloride	2.37	62	212437	28.244	ug/L	100
6) Bromomethane	2.78	94	142164	25.710	ug/L	99
8) Chloroethane	2.93	64	125885	27.118	ug/L	96
9) Trichlorofluoromethane	3.26	101	167486	28.820	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	199480	26.944	ug/L	99
12) 1,1-Dichloroethene	4.04	96	190011	26.726	ug/L	88
13) Acetone	4.12	43	45656	49.101	ug/L	97
14) Carbon disulfide	4.39	76	545601	26.763	ug/L	99
15) Methyl Acetate	4.67	43	54704	24.623	ug/L	99
16) Methylene chloride	4.92	84	181494	23.916	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	206842	25.998	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	195262	26.289	ug/L	98
19) 1,1-Dichloroethane	6.21	63	307365	26.873	ug/L	99
21) 2-Butanone	7.17	43	71733	45.955	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	199164	26.280	ug/L	95

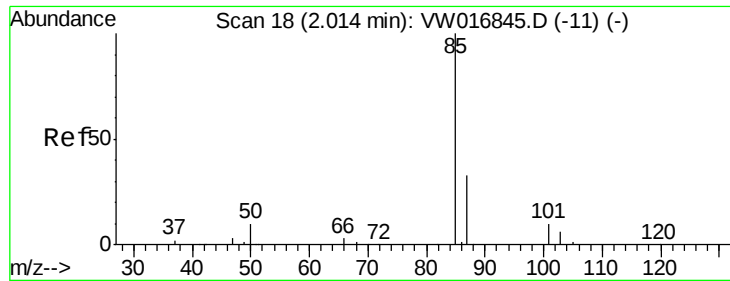
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101220\
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 Quant Title : VOC Analysis
 QLast Update : Sun Oct 11 23:25:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91468	25.701	ug/L	95
25) Chloroform	7.68	83	325128	26.322	ug/L	99
27) 1,2-Dichloroethane	8.40	62	189654	25.667	ug/L	99
30) Cyclohexane	7.96	56	282069	27.629	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	288024	27.511	ug/L	100
32) Carbon tetrachloride	8.07	117	281352	27.539	ug/L	100
34) Benzene	8.32	78	714715	27.034	ug/L	100
35) Trichloroethene	9.09	95	202369	27.062	ug/L	99
36) Methylcyclohexane	9.34	83	344020	27.360	ug/L	100
40) 1,2-Dichloropropane	9.37	63	161377	26.995	ug/L	100
41) Bromodichloromethane	9.65	83	226322	26.949	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	259229	27.198	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	156828	52.109	ug/L	99
44) Toluene	10.39	91	800009	27.278	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	221621	27.632	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	126189	25.967	ug/L	99
47) Tetrachloroethene	10.87	164	178631	25.766	ug/L	98
49) 2-Hexanone	10.97	43	103779	52.242	ug/L	99
50) Dibromochloromethane	11.13	129	162458	26.891	ug/L	99
51) 1,2-Dibromoethane	11.24	107	121330	25.406	ug/L	96
52) Chlorobenzene	11.66	112	528249	26.839	ug/L	98
53) Ethylbenzene	11.73	91	899470	27.339	ug/L	100
54) m,p-Xylene	11.84	106	353406	27.619	ug/L	99
55) o-xylene	12.17	106	333776	27.302	ug/L	99
56) Styrene	12.18	104	552949	27.409	ug/L	97
57) Isopropylbenzene	12.46	105	929884	27.777	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	137873	25.672	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	98480	25.312	ug/L	100
62) Bromoform	12.35	173	94127	27.168	ug/L	95
63) 1,3-Dichlorobenzene	13.50	146	416850	26.594	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	417360	26.624	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	374819	26.707	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20522	24.106	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	331436	28.446	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	254198	26.562	ug/L	95
69) Naphthalene	15.36	128	427208	26.958	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	224450	27.294	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 28.812 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

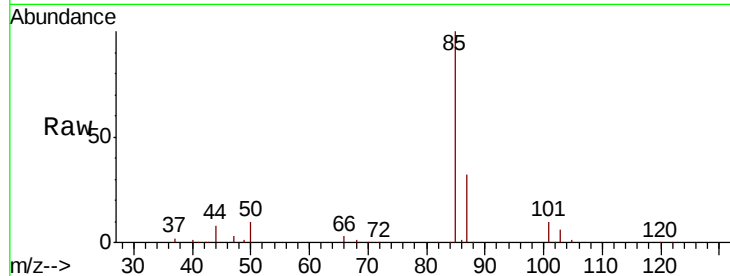
VSTD02525

Tot Ion: 85 Resp: 189372

Ion Ratio Lower Upper

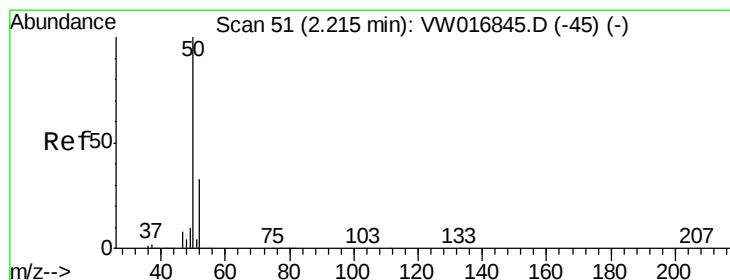
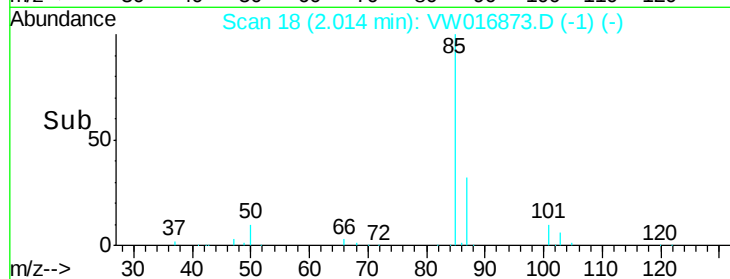
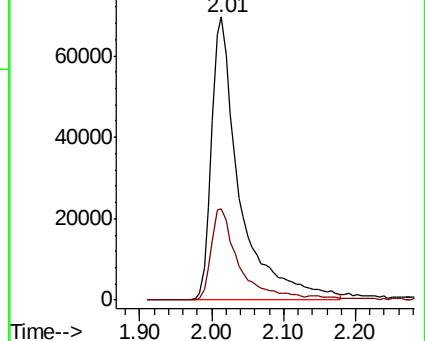
85 100

87 31.6 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.180 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016873.D

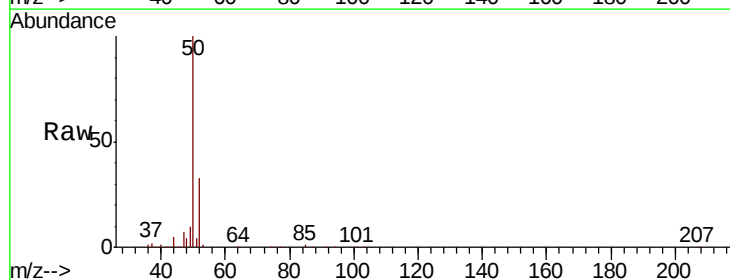
Acq: 12 Oct 2020 10:08

Tgt Ion: 50 Resp: 151678

Ion Ratio Lower Upper

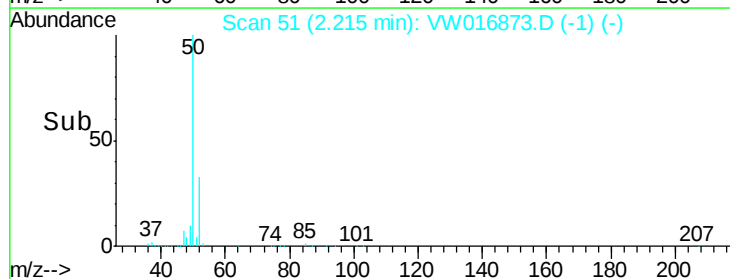
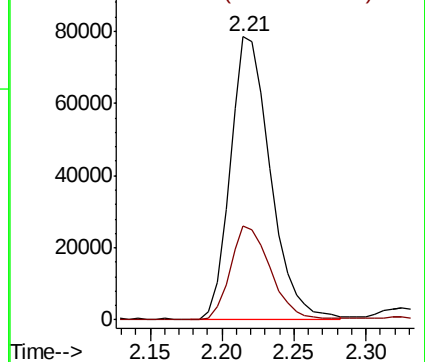
50 100

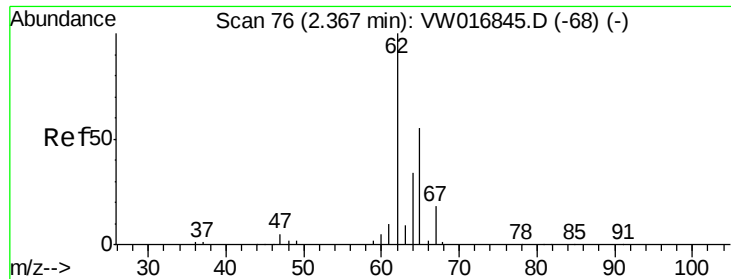
52 33.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.244 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

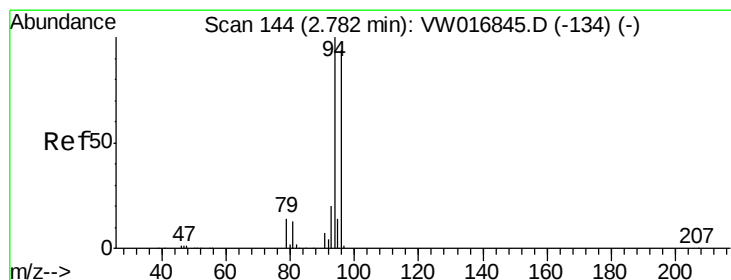
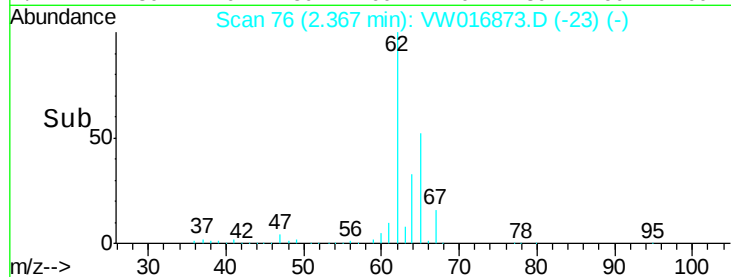
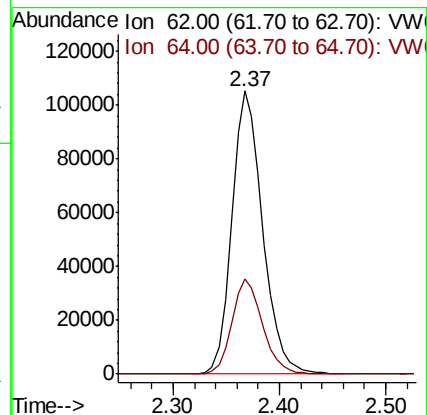
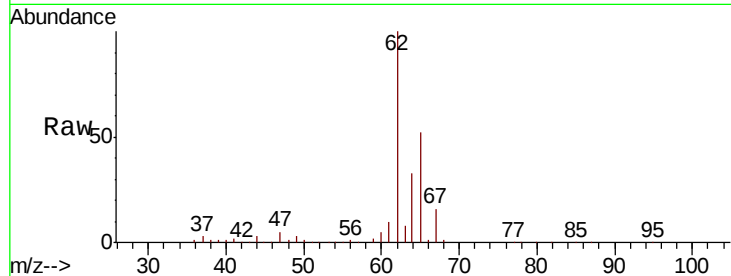
VSTD02525

Tot Ion: 62 Resp: 212437

Ion Ratio Lower Upper

62 100

64 33.5 23.5 43.7



#6

Bromomethane

Concen: 25.710 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW016873.D

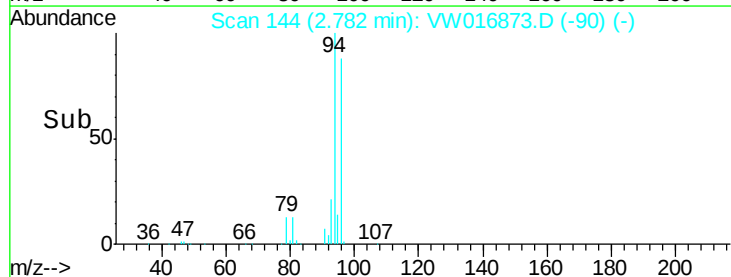
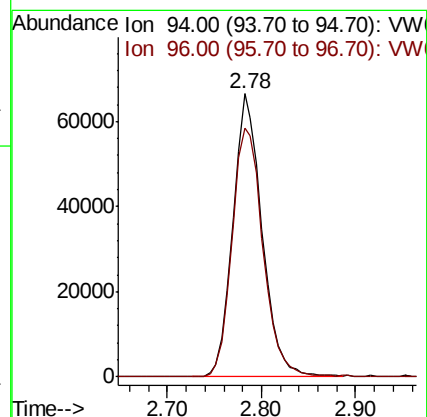
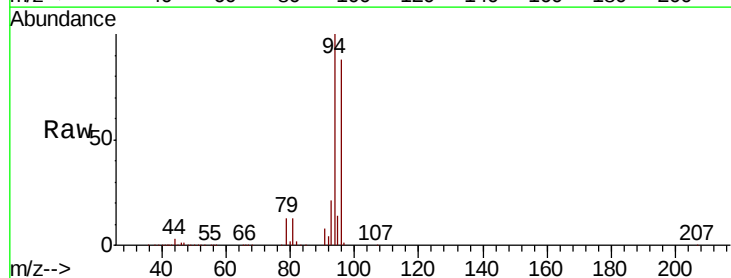
Acq: 12 Oct 2020 10:08

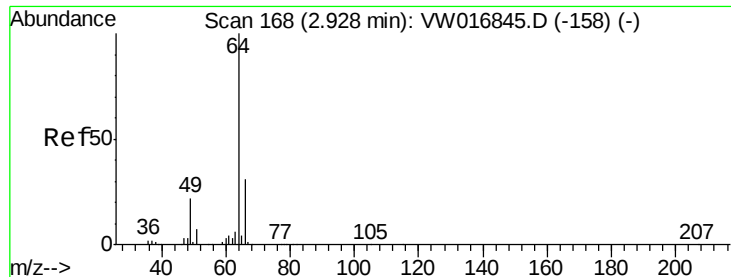
Tgt Ion: 94 Resp: 142164

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.7





#8

Chloroethane

Concen: 27.118 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

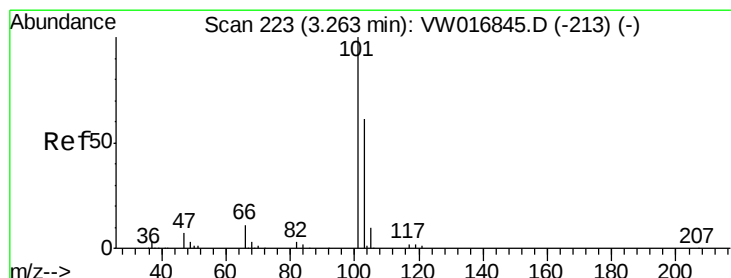
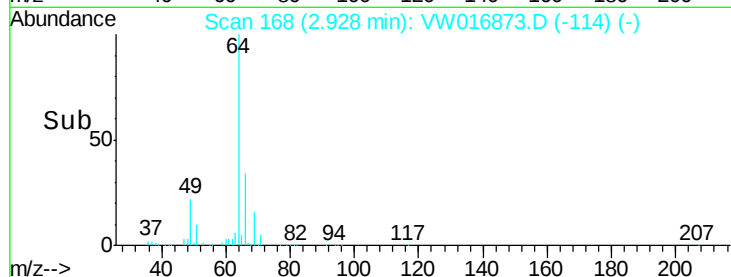
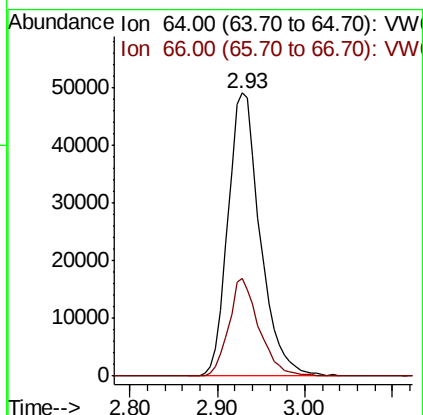
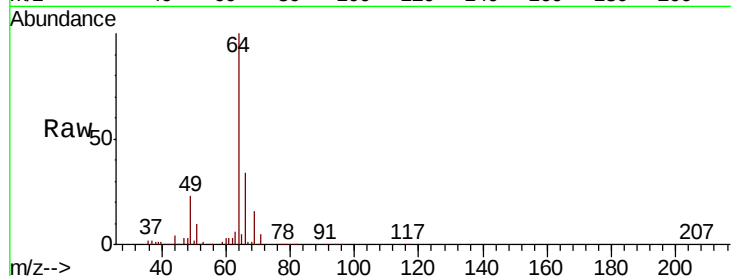
VSTD02525

Tot Ion: 64 Resp: 125885

Ion Ratio Lower Upper

64 100

66 34.4 22.5 41.7



#9

Trichlorofluoromethane

Concen: 28.820 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016873.D

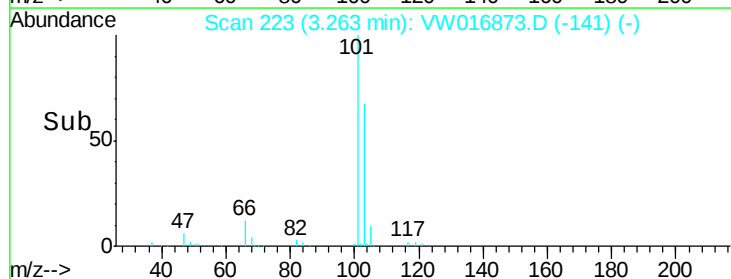
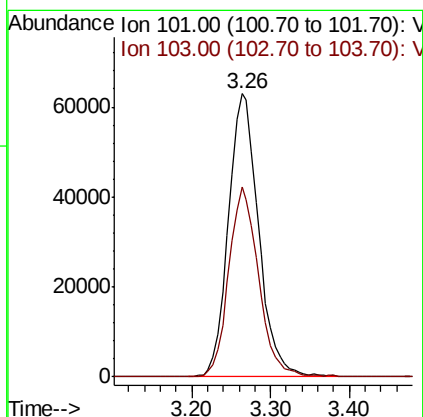
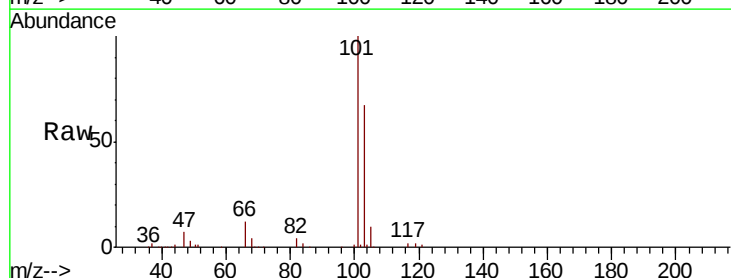
Acq: 12 Oct 2020 10:08

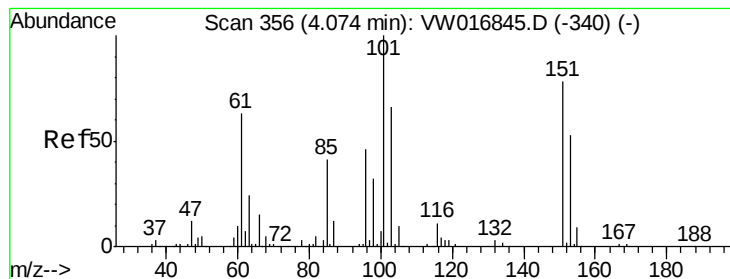
Tgt Ion: 101 Resp: 167486

Ion Ratio Lower Upper

101 100

103 66.3 45.2 84.0





#11

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

Concen: 26.944 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

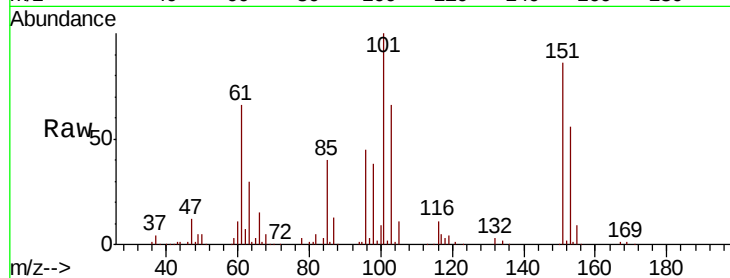
Tot Ion:101 Resp: 199480

Ion Ratio Lower Upper

101 100

85 41.2 31.7 47.5

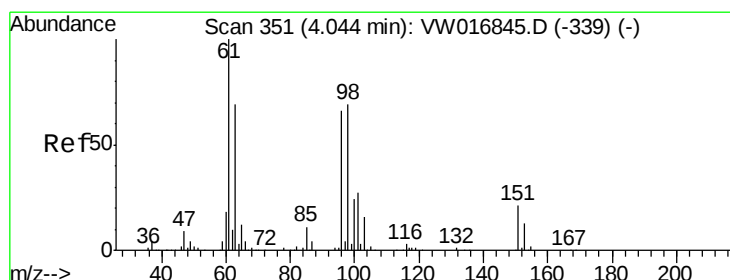
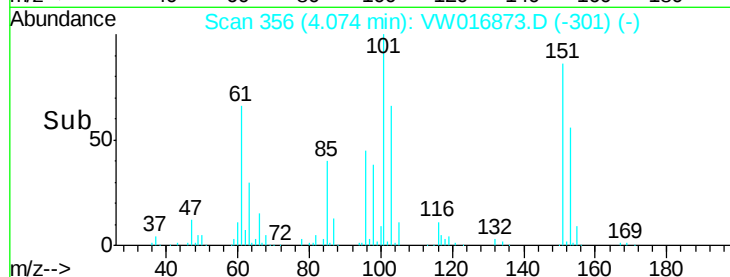
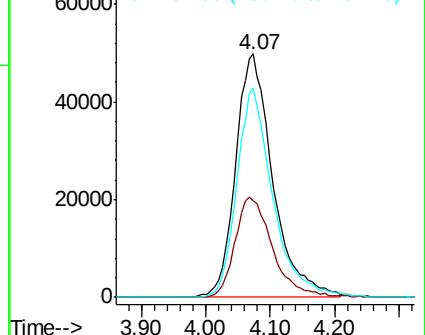
151 83.1 66.6 99.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.726 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

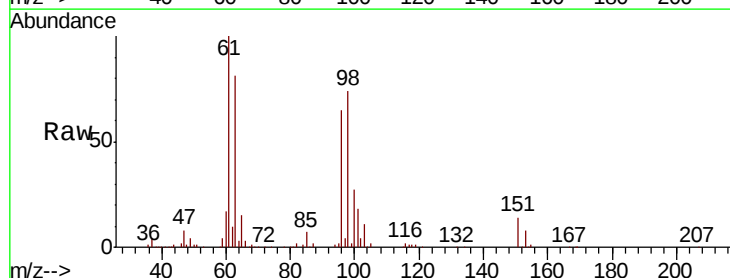
Tgt Ion: 96 Resp: 190011

Ion Ratio Lower Upper

96 100

61 153.9 105.1 195.1

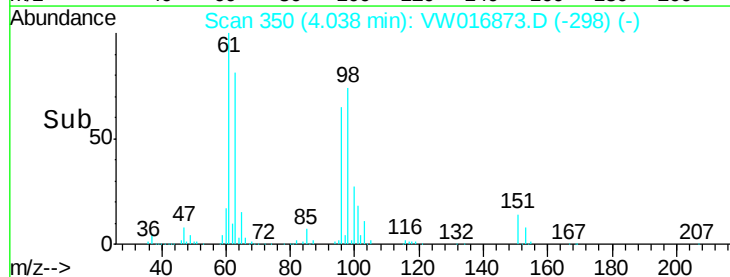
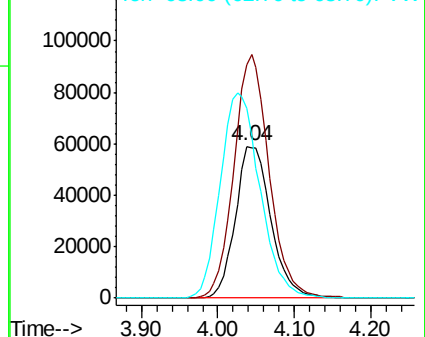
63 125.1 69.9 129.7

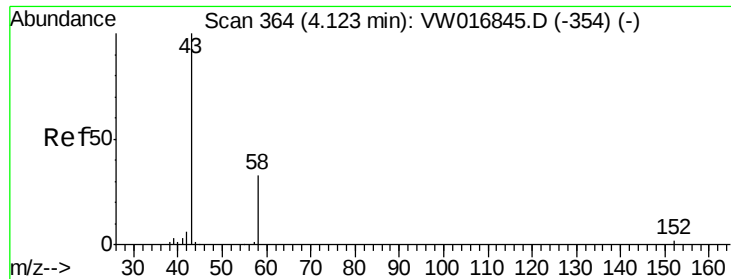


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.101 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

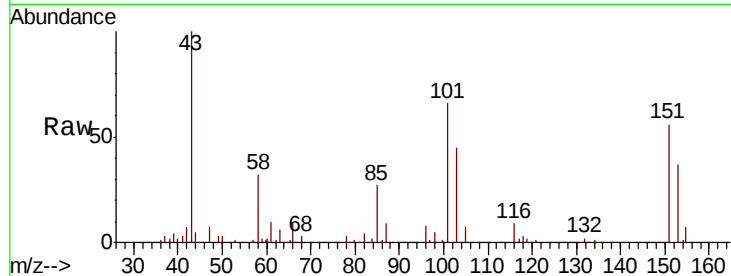
VSTD02525

Tot Ion: 43 Resp: 45656

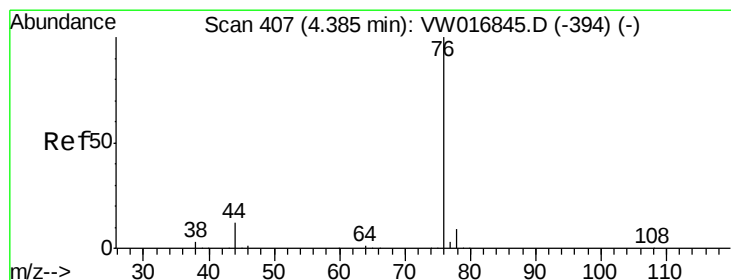
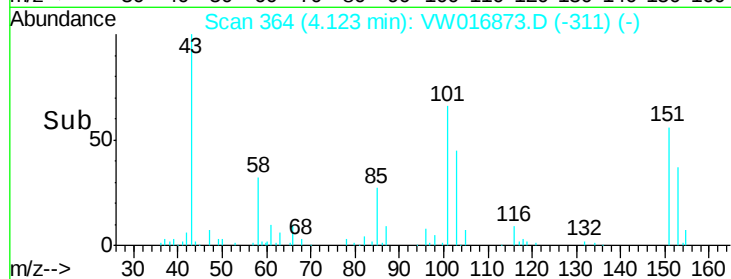
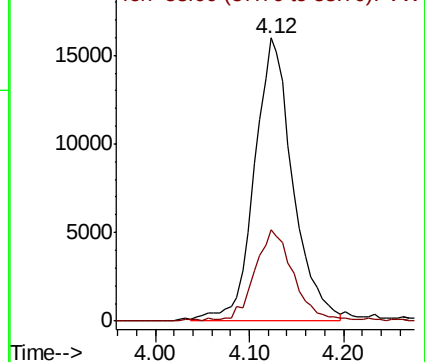
Ion Ratio Lower Upper

43 100

58 32.1 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.763 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016873.D

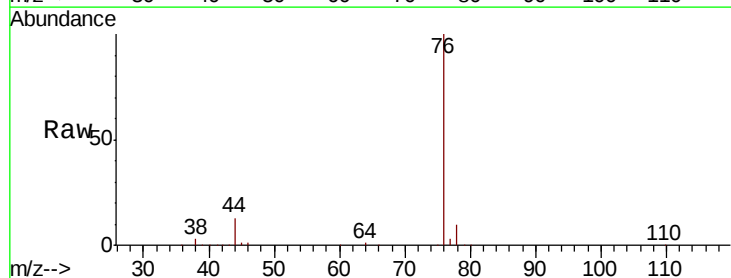
Acq: 12 Oct 2020 10:08

Tgt Ion: 76 Resp: 545601

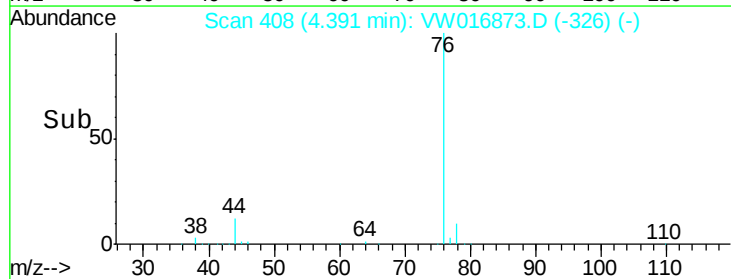
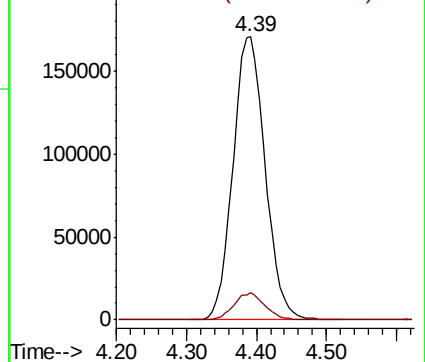
Ion Ratio Lower Upper

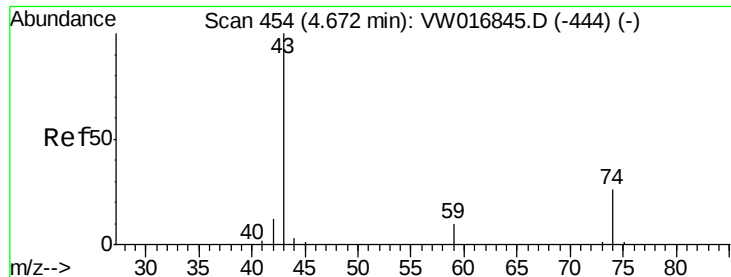
76 100

78 9.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 24.623 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

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ClientSampleId :

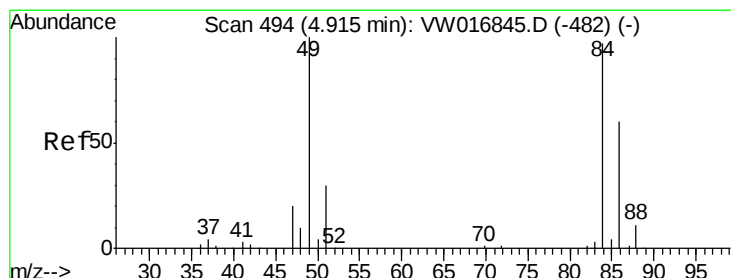
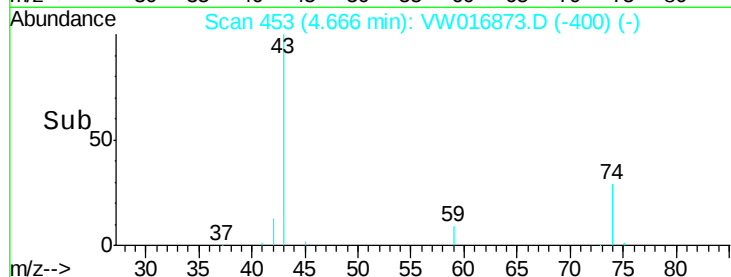
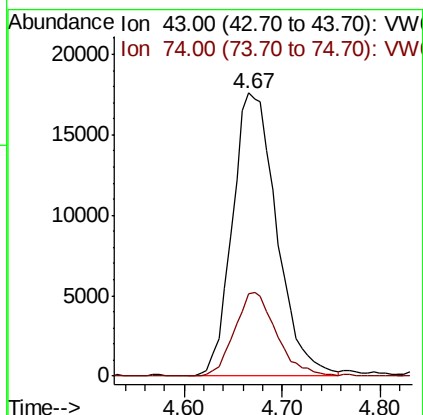
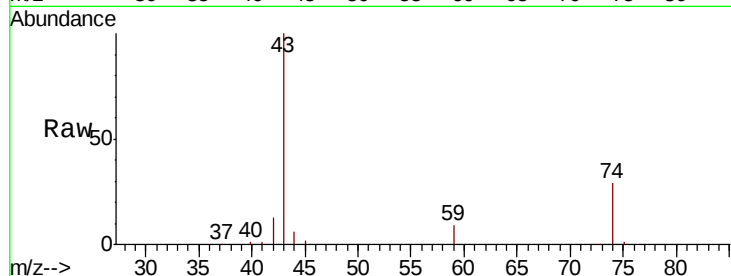
VSTD02525

Tot Ion: 43 Resp: 54704

Ion Ratio Lower Upper

43 100

74 28.1 22.7 34.1



#16

Methylene chloride

Concen: 23.916 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

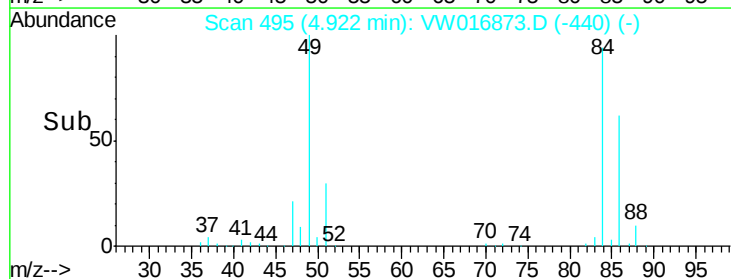
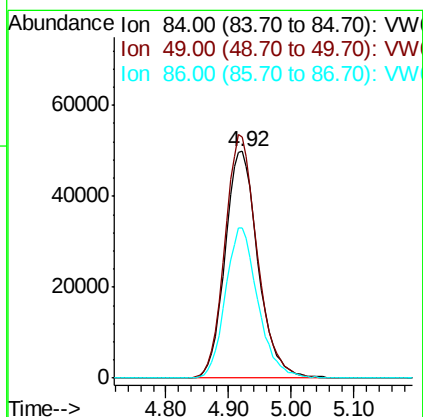
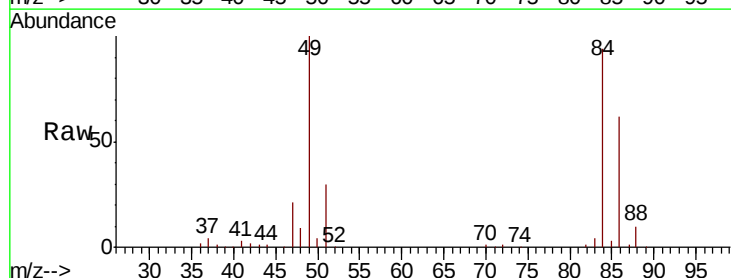
Tgt Ion: 84 Resp: 181494

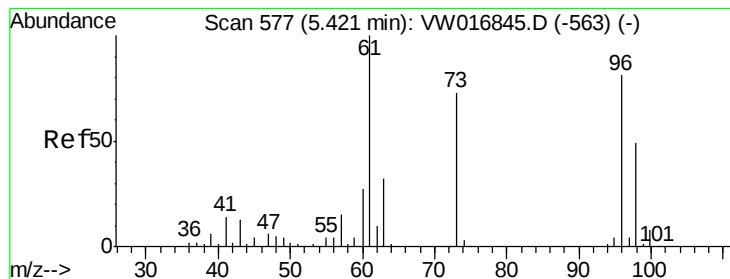
Ion Ratio Lower Upper

84 100

49 106.5 73.1 135.8

86 66.1 46.0 85.4





#17

Methvl tert-butvl Ether

Concen: 25.998 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

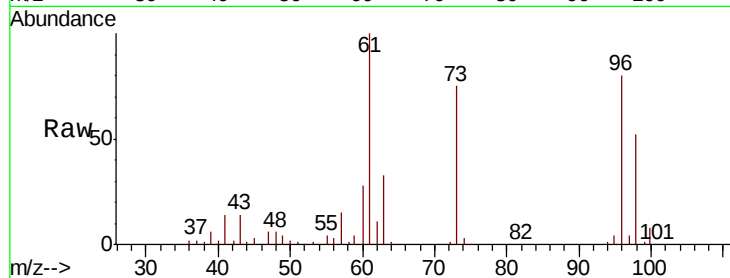
Tot Ion: 73 Resp: 206842

Ion Ratio Lower Upper

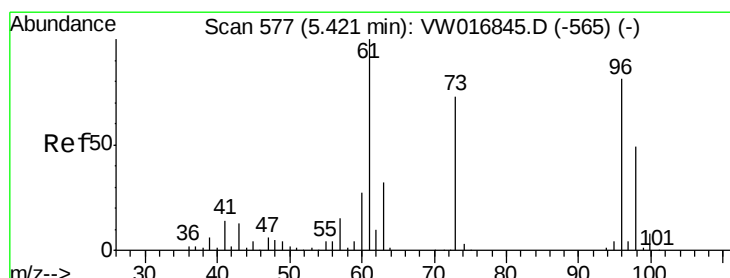
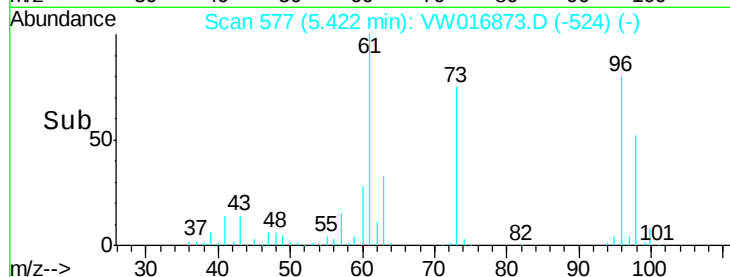
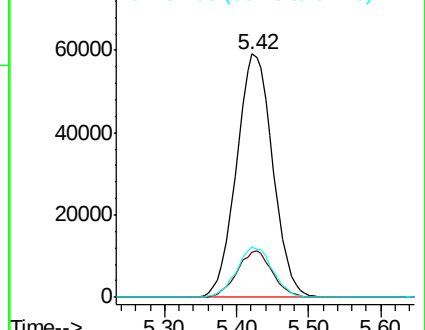
73 100

43 18.6 15.0 22.4

57 20.4 16.4 24.6



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



#18

trans-1,2-Dichloroethene

Concen: 26.289 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

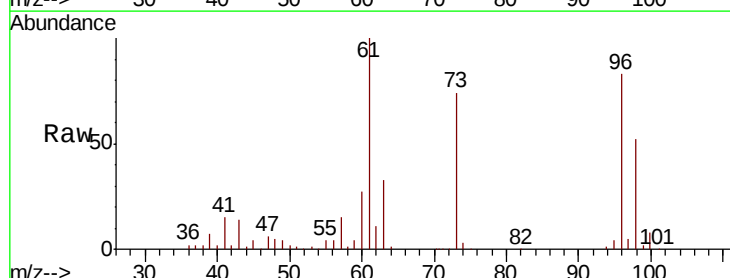
Tgt Ion: 96 Resp: 195262

Ion Ratio Lower Upper

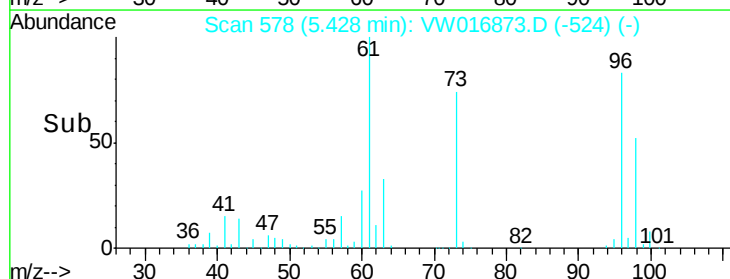
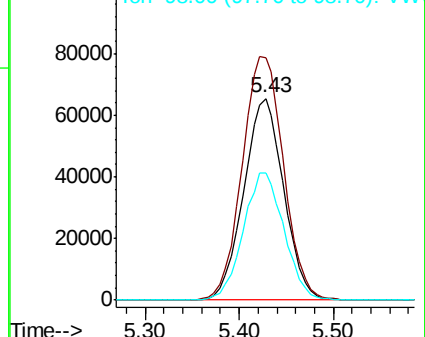
96 100

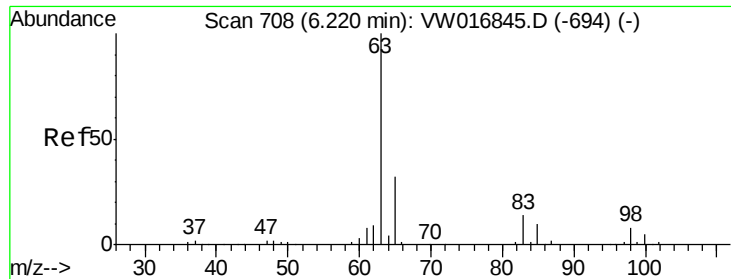
61 120.3 82.5 153.3

98 63.1 43.3 80.5



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

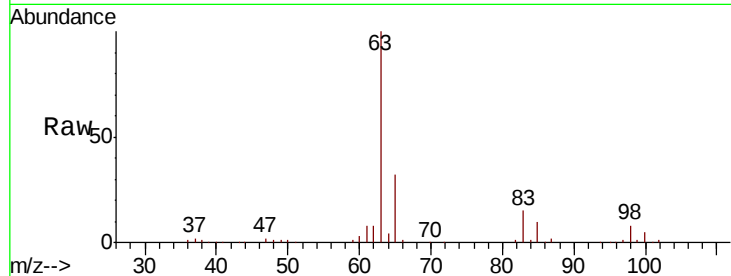




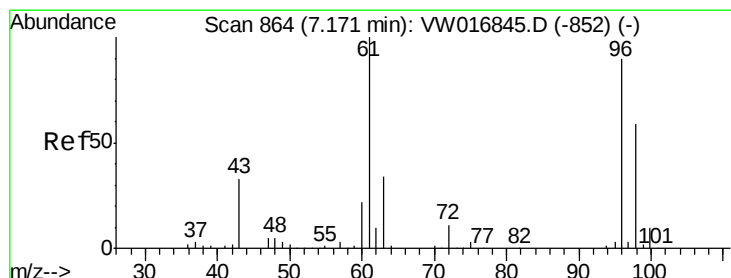
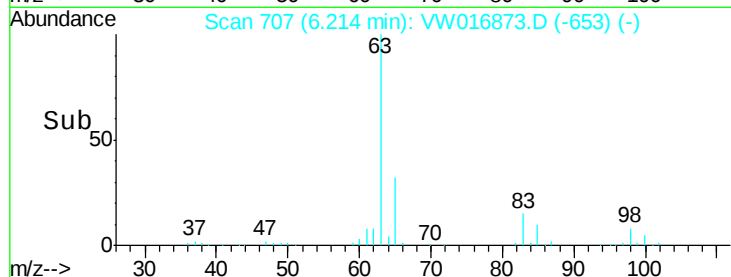
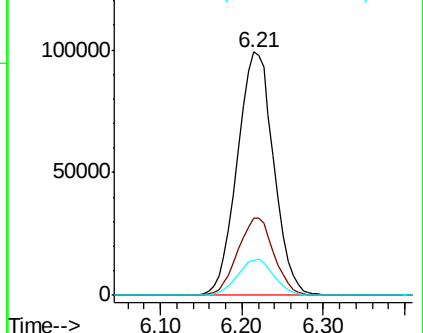
#19
 1,1-Dichloroethane
 Concen: 26.873 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion: 63 Resp: 307365
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.7 42.1
 83 14.6 9.9 18.5

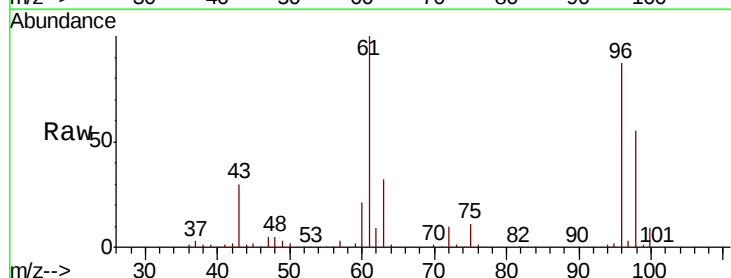


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

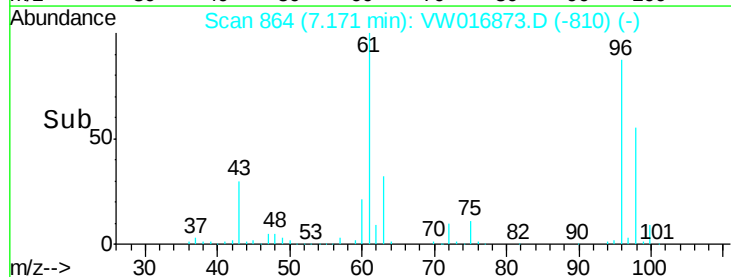
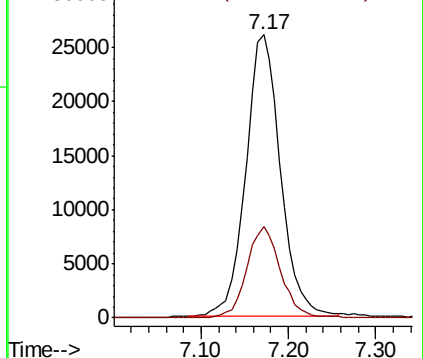


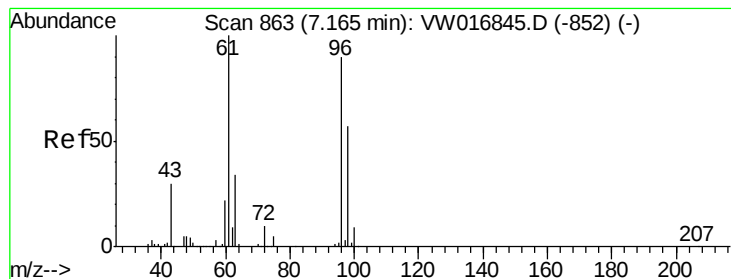
#21
 2-Butanone
 Concen: 45.955 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion: 43 Resp: 71733
 Ion Ratio Lower Upper
 43 100
 72 31.4 16.2 48.5



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



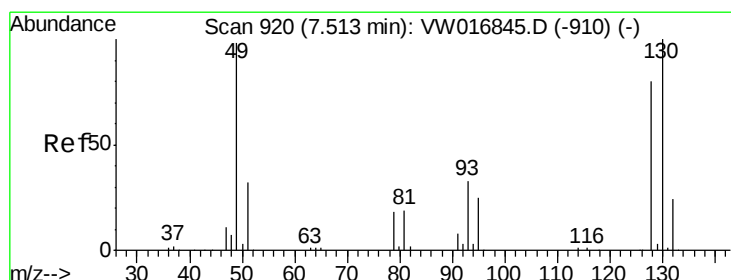
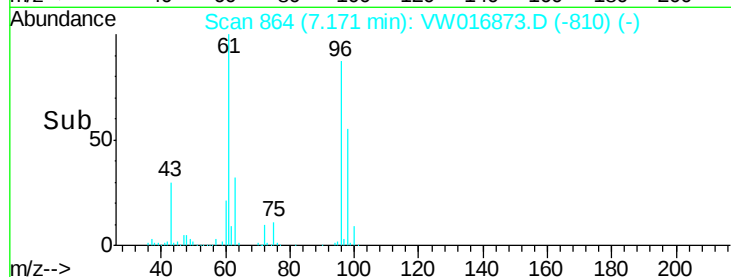
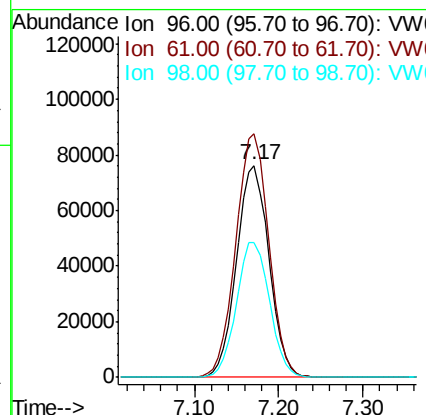
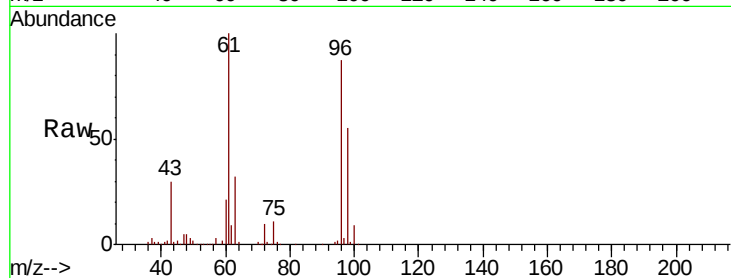


#22

cis-1,2-Dichloroethene
 Concen: 26.280 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

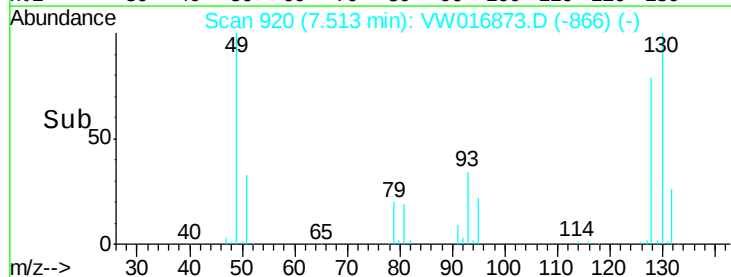
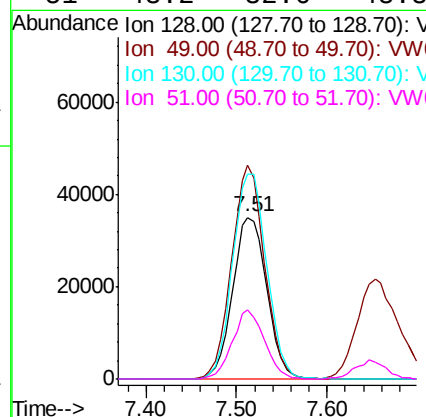
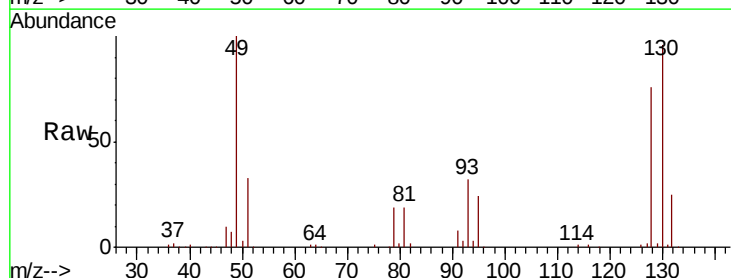
Tot Ion: 96 Resp: 199164
 Ion Ratio Lower Upper
 96 100
 61 115.0 76.0 141.2
 98 63.8 42.7 79.3

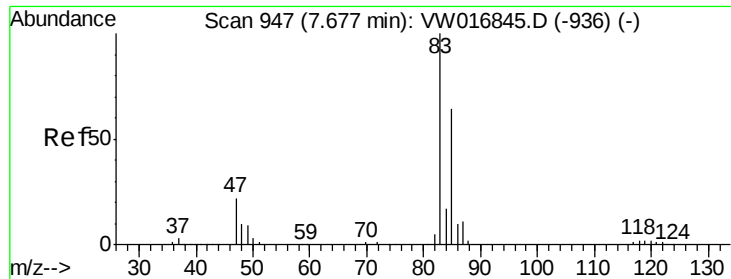


#23

Bromochloromethane
 Concen: 25.701 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion: 128 Resp: 91468
 Ion Ratio Lower Upper
 128 100
 49 132.2 88.5 164.3
 130 126.5 92.9 172.5
 51 43.2 32.6 48.8

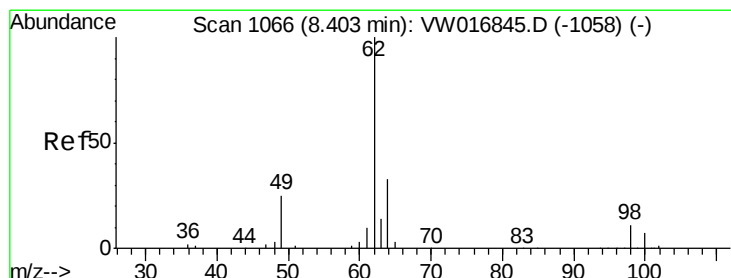
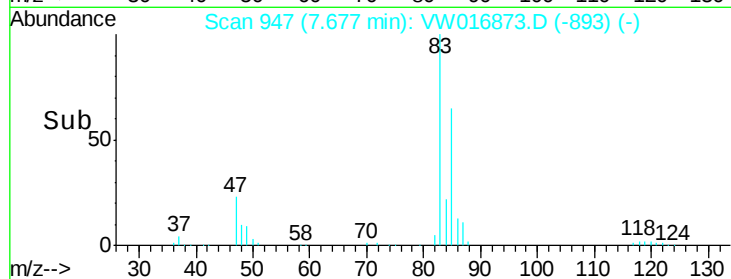
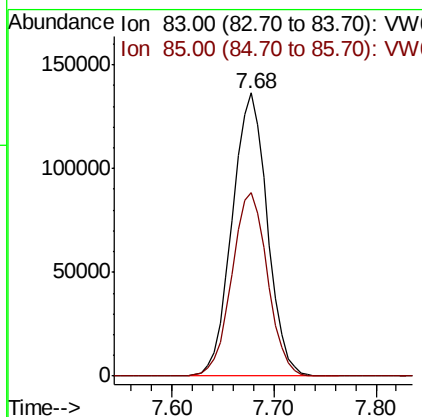
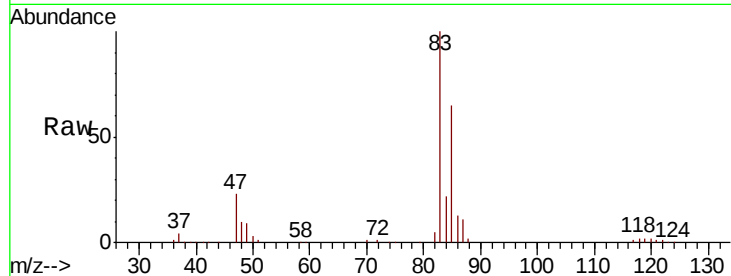




#25
Chloroform
Concen: 26.322 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016873.D
Acq: 12 Oct 2020 10:08

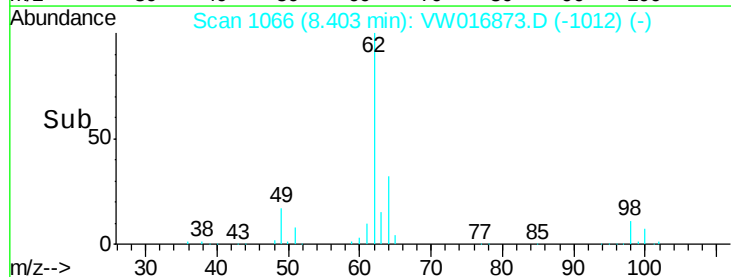
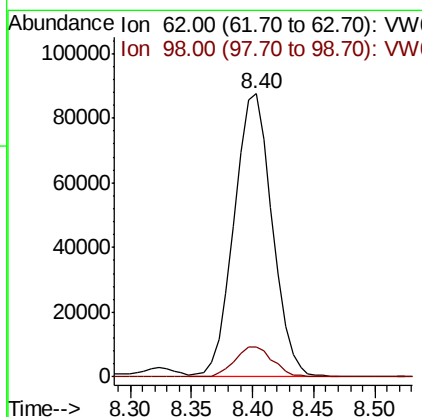
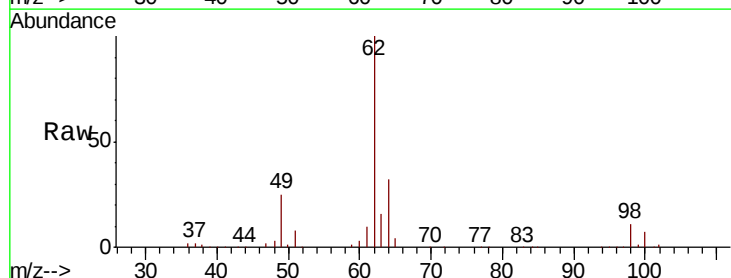
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

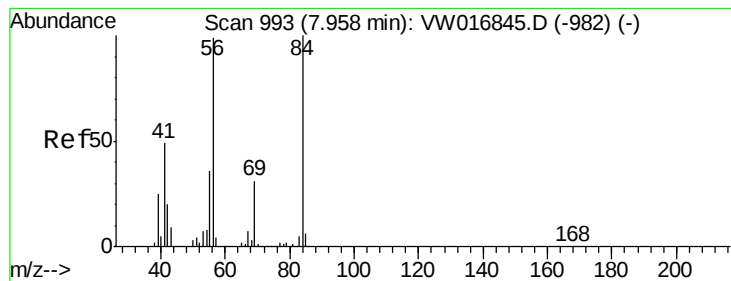
Tot Ion: 83 Resp: 325128
Ion Ratio Lower Upper
83 100
85 66.2 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.667 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016873.D
Acq: 12 Oct 2020 10:08

Tgt Ion: 62 Resp: 189654
Ion Ratio Lower Upper
62 100
98 10.5 8.6 12.8





#30

Cvclohexane

Concen: 27.629 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

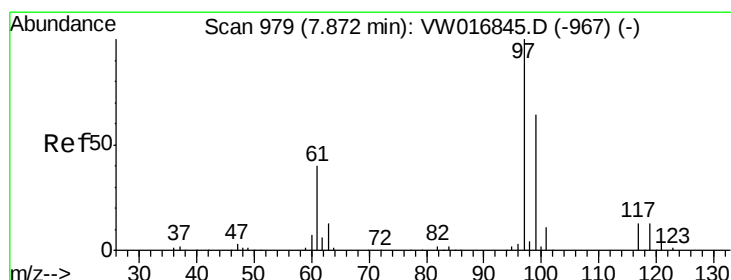
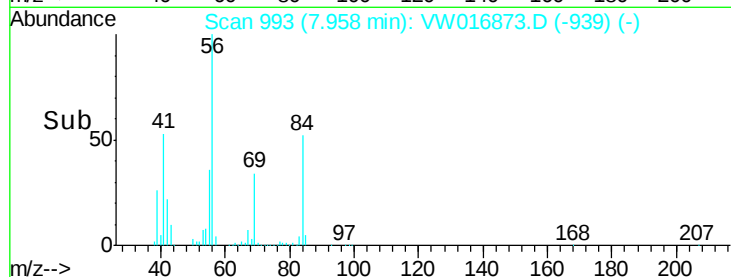
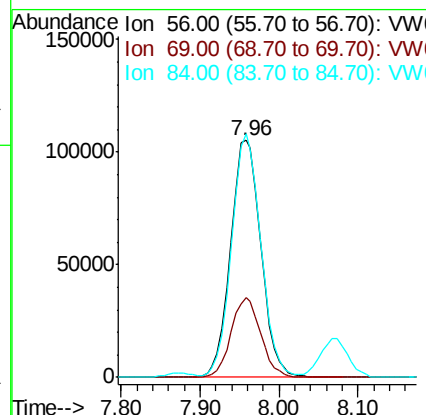
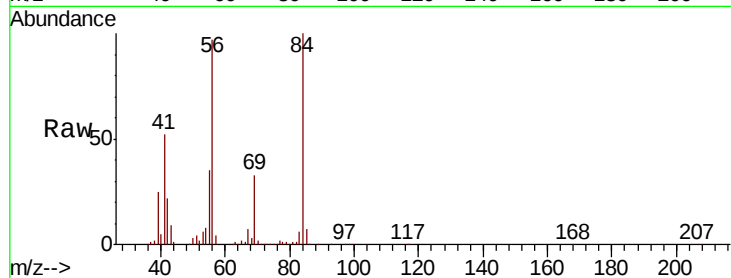
Tot Ion: 56 Resp: 282069

Ion Ratio Lower Upper

56 100

69 32.8 26.1 39.1

84 99.2 79.3 118.9



#31

1,1,1-Trichloroethane

Concen: 27.511 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

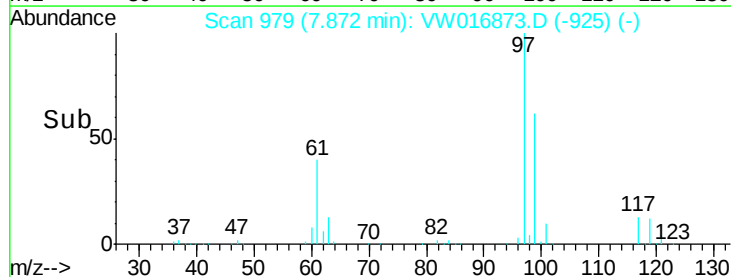
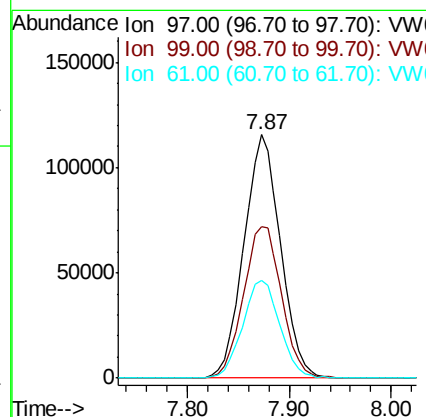
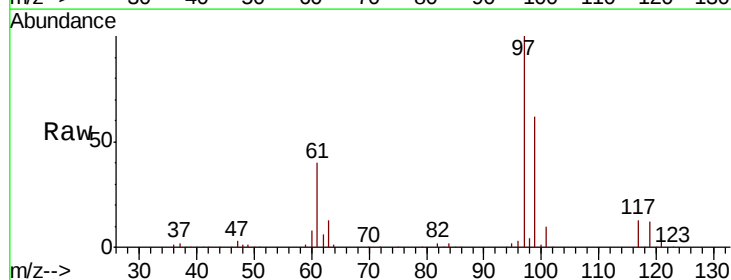
Tgt Ion: 97 Resp: 288024

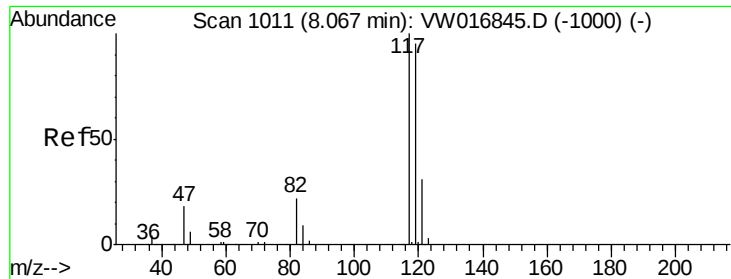
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 40.8 32.5 48.7





#32

Carbon tetrachloride

Concen: 27.539 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

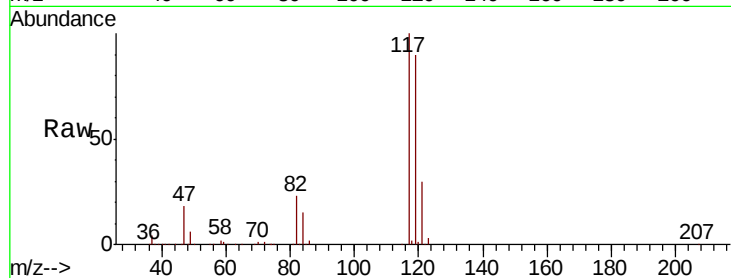
VSTD02525

Tot Ion:117 Resp: 281352

Ion Ratio Lower Upper

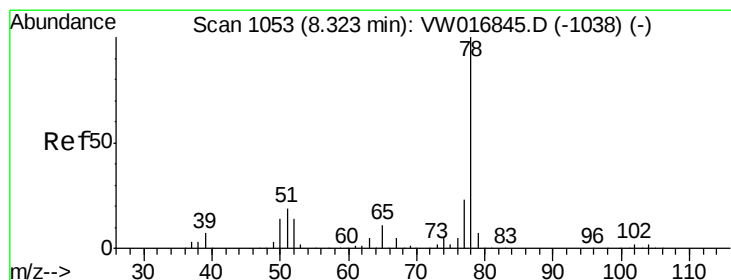
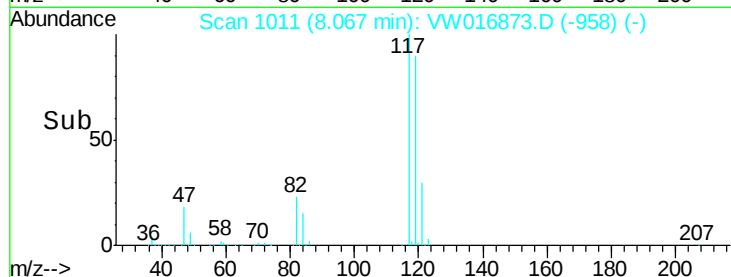
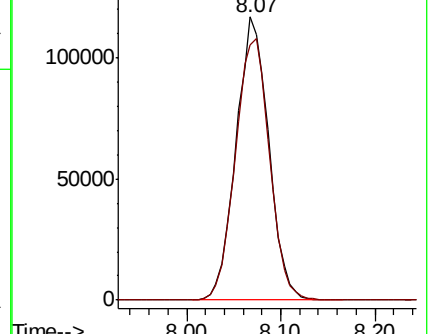
117 100

119 96.8 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.034 ug/L

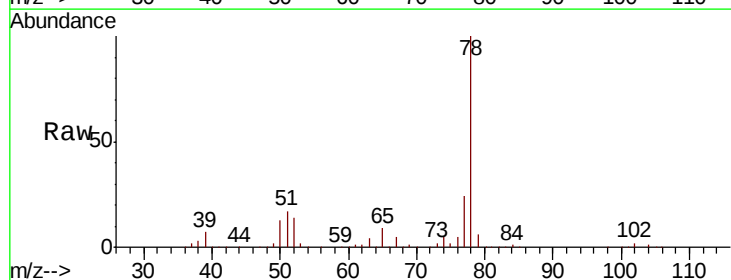
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

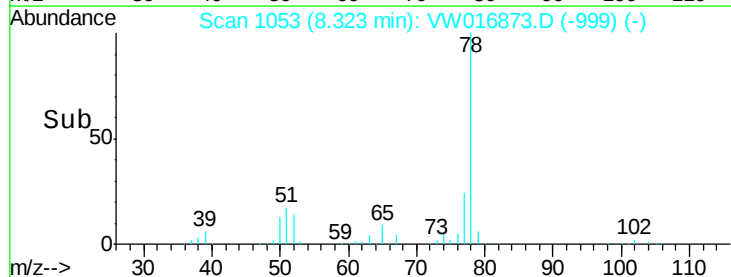
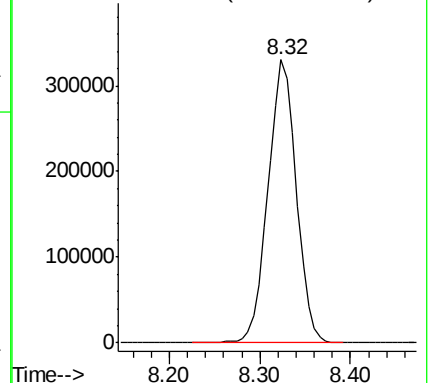
Lab File: VW016873.D

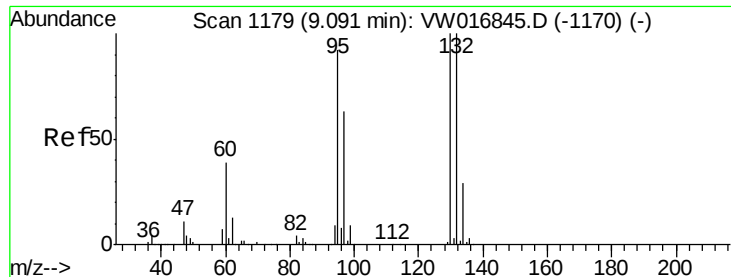
Acq: 12 Oct 2020 10:08

Tgt Ion: 78 Resp: 714715



Abundance Ion 78.00 (77.70 to 78.70): VW

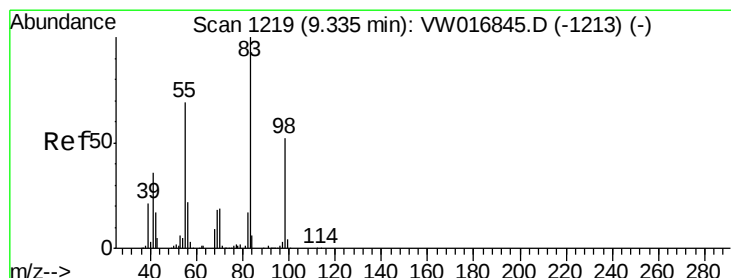
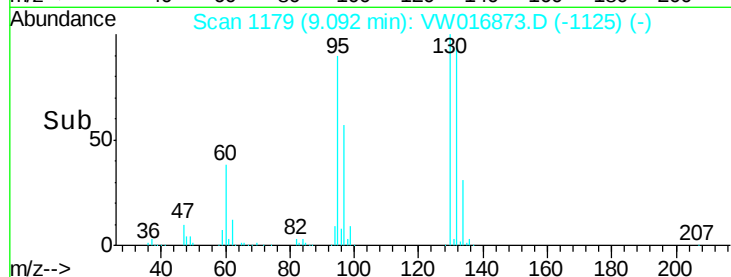
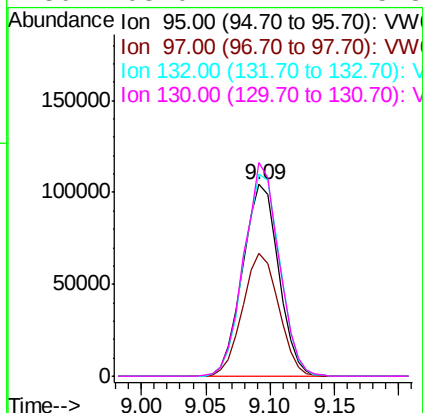
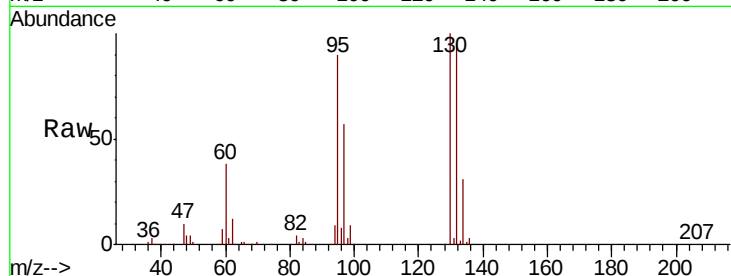




#35
 Trichloroethene
 Concen: 27.062 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

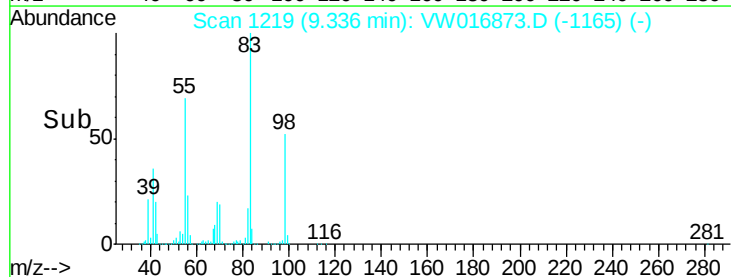
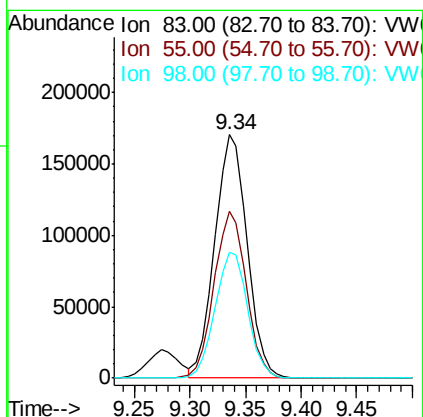
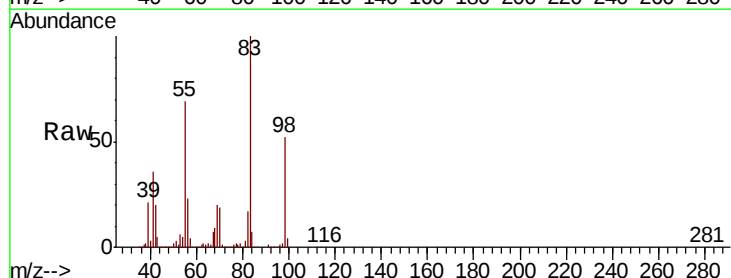
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

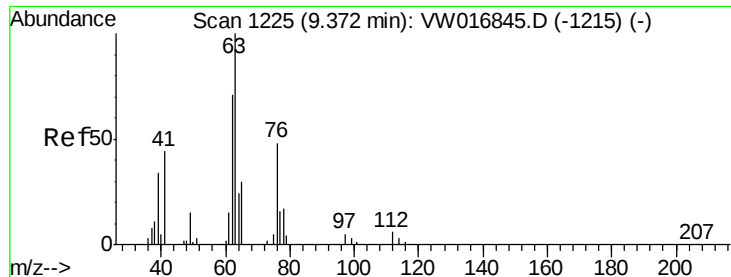
Tot Ion	95	Resp	202369
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	106.3	73.8	137.2
130	108.0	77.1	143.3



#36
 Methylcyclohexane
 Concen: 27.360 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion	83	Resp	344020
Ion	Ratio	Lower	Upper
83	100		
55	67.6	54.2	81.4
98	52.3	41.4	62.2





#40

1,2-Dichloropropane

Concen: 26.995 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

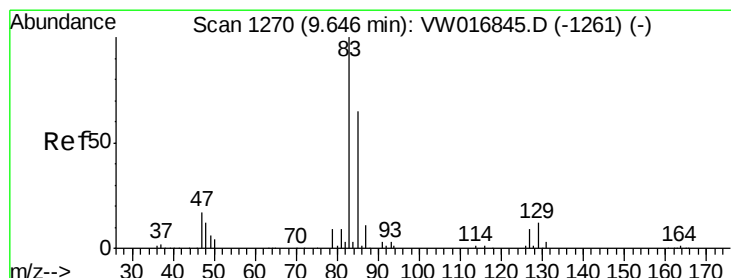
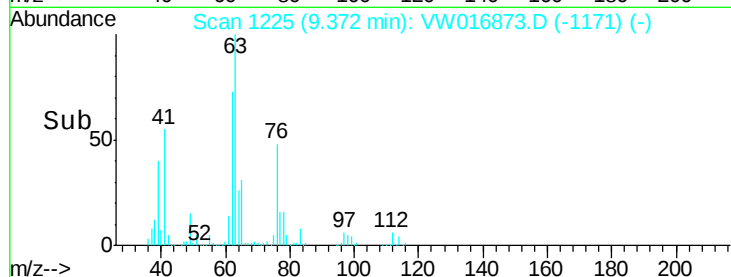
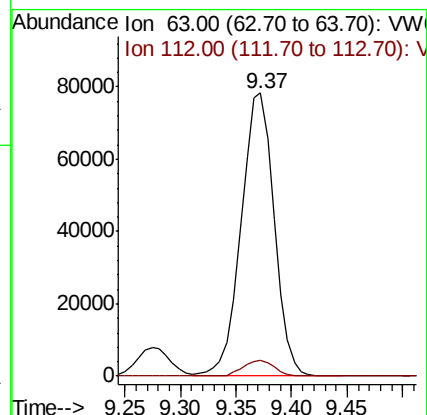
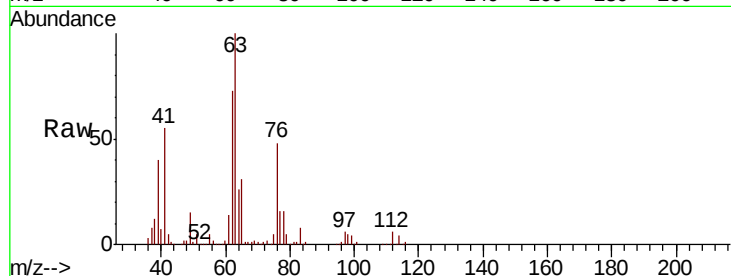
VSTD02525

Tot Ion: 63 Resp: 161377

Ion Ratio Lower Upper

63 100

112 5.5 4.5 6.7



#41

Bromodichloromethane

Concen: 26.949 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

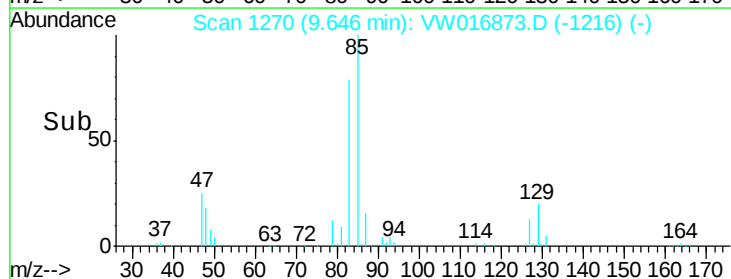
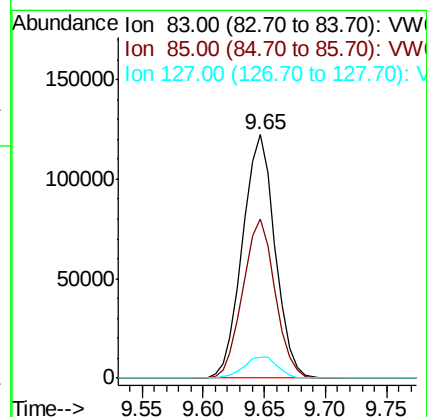
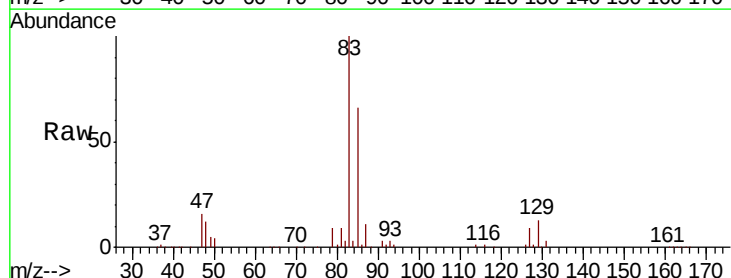
Tgt Ion: 83 Resp: 226322

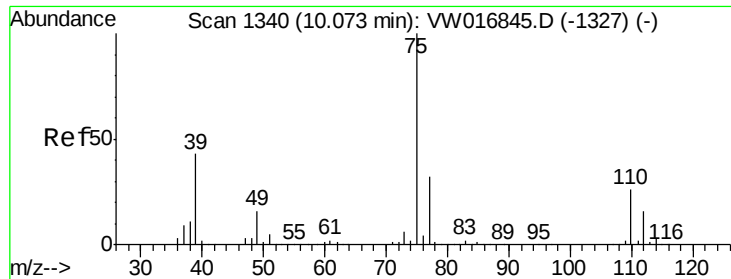
Ion Ratio Lower Upper

83 100

85 65.6 46.2 85.8

127 8.8 7.5 11.3

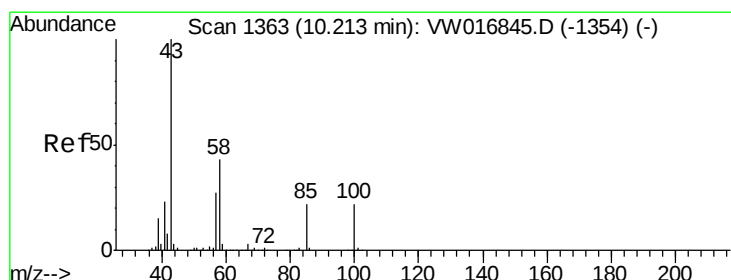
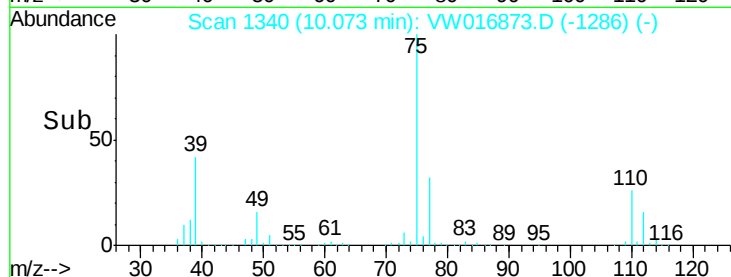
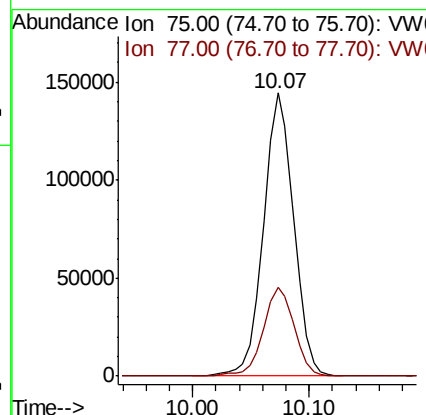
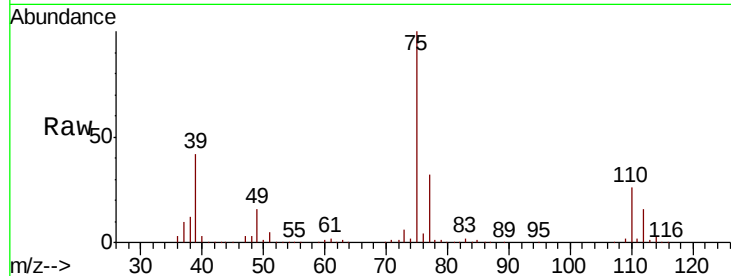




#42
 cis-1,3-Dichloropropene
 Concen: 27.198 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

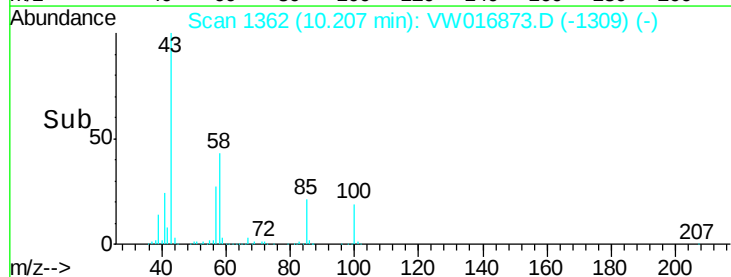
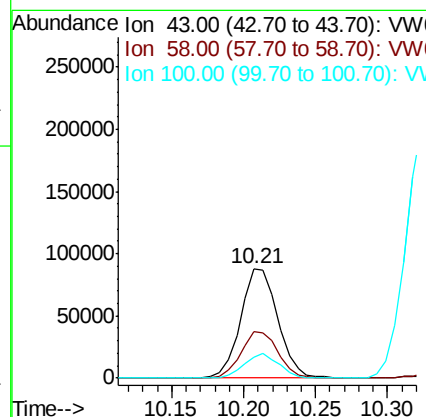
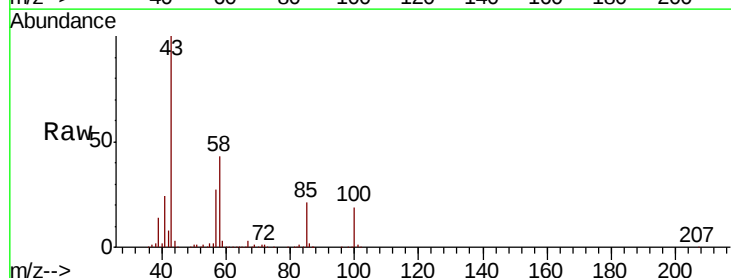
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

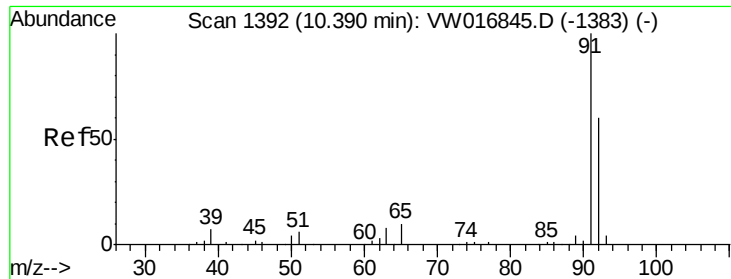
Tot Ion: 75 Resp: 259229
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 52.109 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion: 43 Resp: 156828
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.7 52.1
 100 20.8 16.9 25.3





#44

Toluene

Concen: 27.278 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampled :

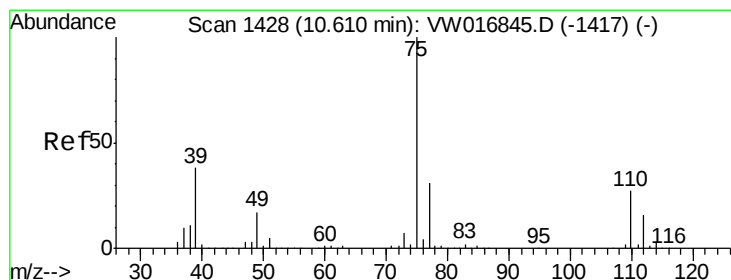
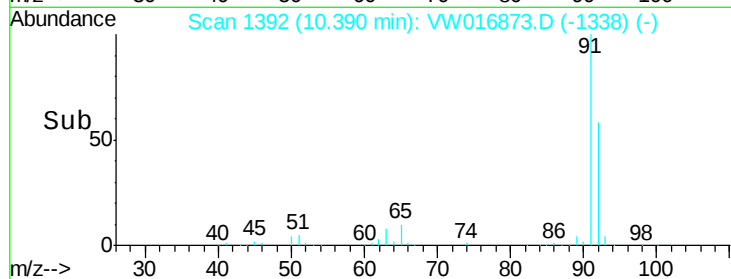
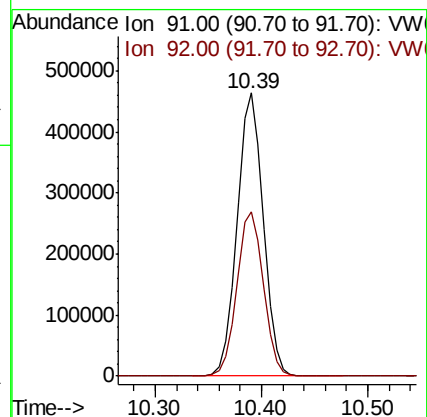
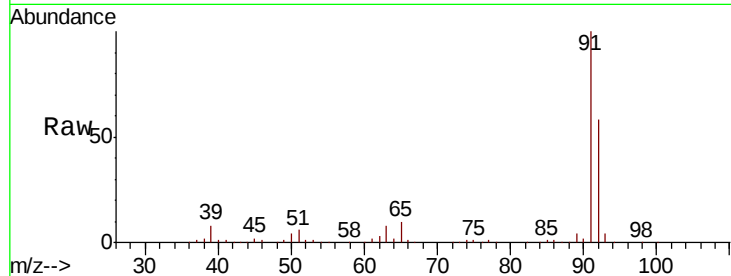
VSTD02525

Tot Ion: 91 Resp: 800009

Ion Ratio Lower Upper

91 100

92 58.2 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 27.632 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016873.D

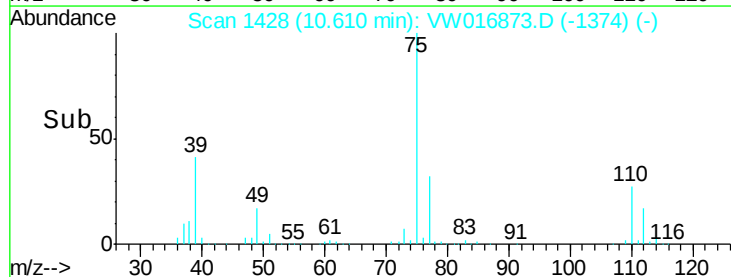
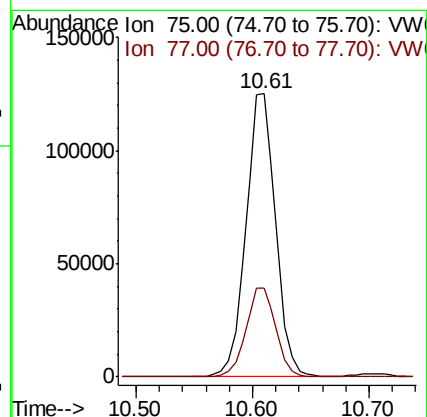
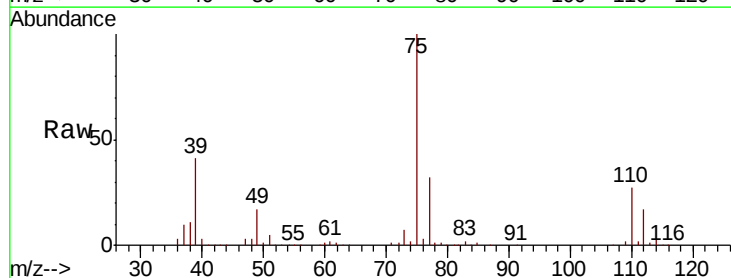
Acq: 12 Oct 2020 10:08

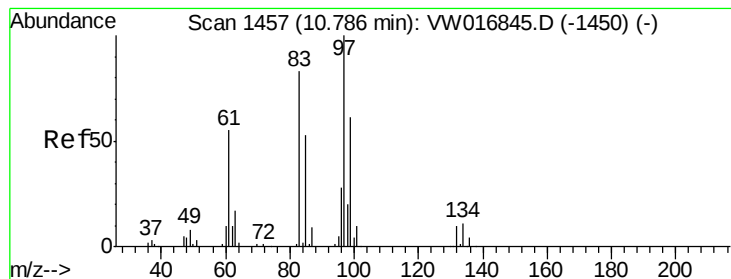
Tgt Ion: 75 Resp: 221621

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 25.967 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 97 Resp: 126189

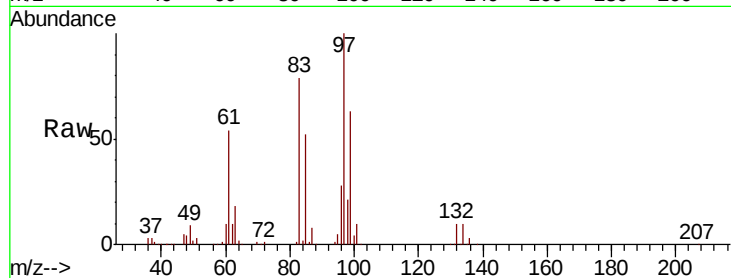
Ion Ratio Lower Upper

97 100

83 78.7 56.8 105.4

85 52.4 37.0 68.6

99 62.7 44.2 82.2

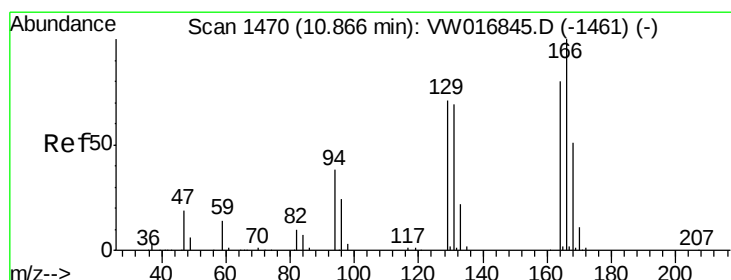
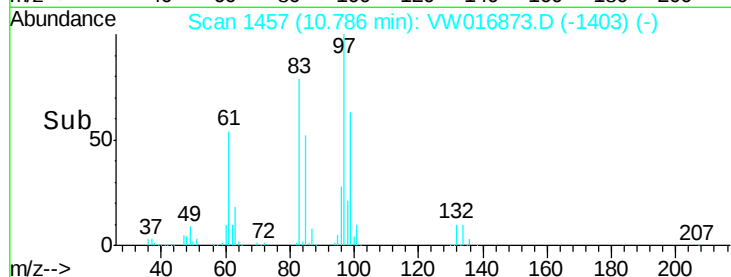
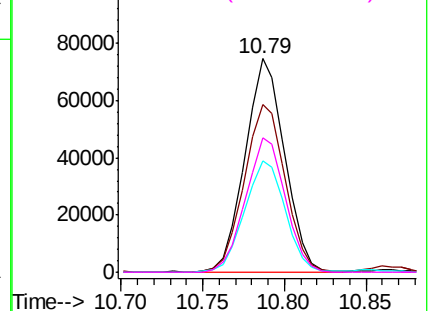


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.766 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Tgt Ion: 164 Resp: 178631

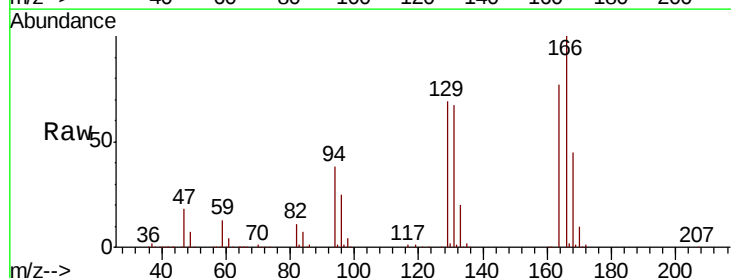
Ion Ratio Lower Upper

164 100

129 89.2 61.7 114.7

131 86.1 59.7 110.9

166 129.2 88.3 164.1

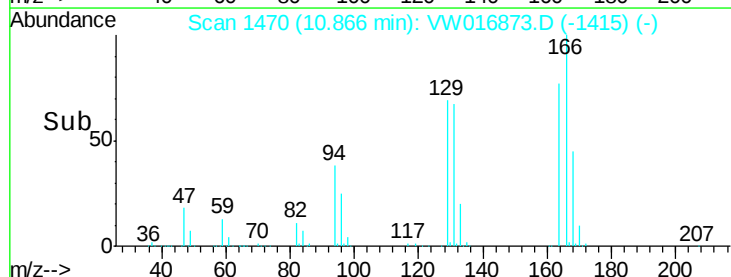
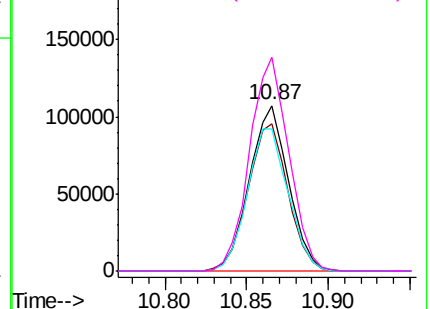


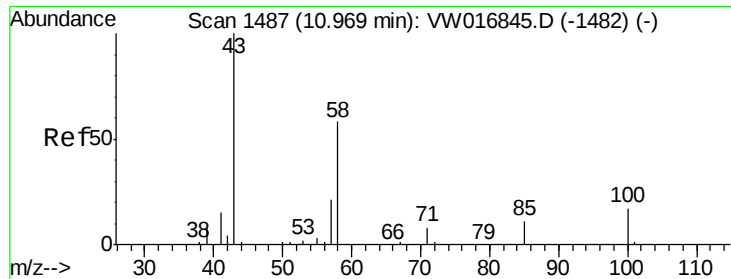
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 52.242 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tot Ion: 43 Resp: 103779

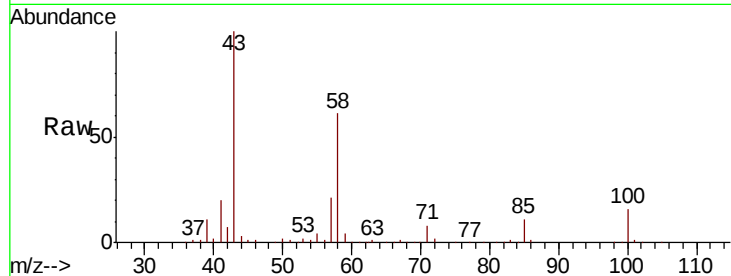
Ion Ratio Lower Upper

43 100

58 59.9 47.1 70.7

57 21.5 16.2 24.4

100 16.4 13.3 19.9

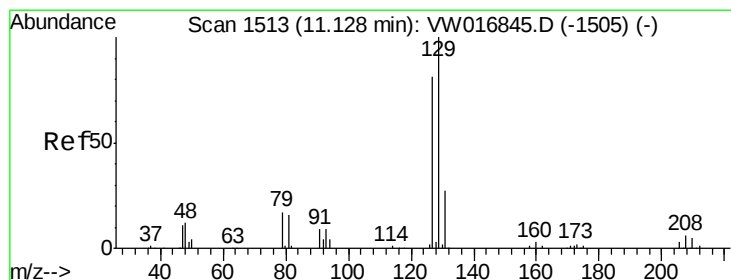
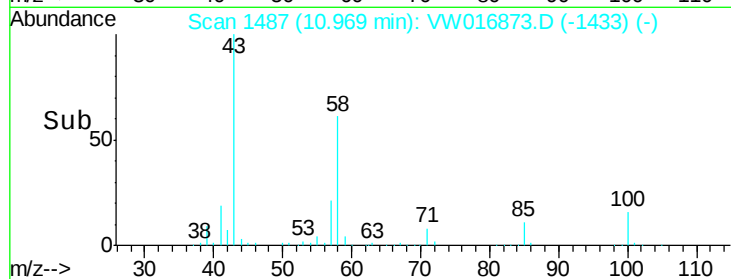
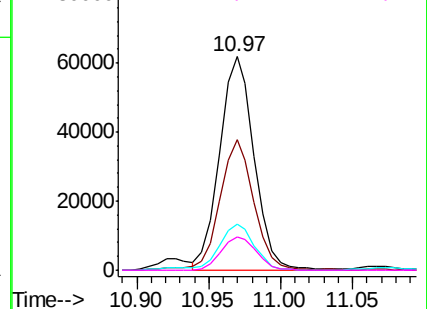


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.891 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016873.D

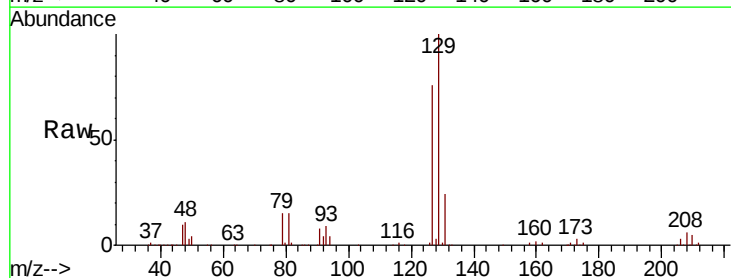
Acq: 12 Oct 2020 10:08

Tgt Ion: 129 Resp: 162458

Ion Ratio Lower Upper

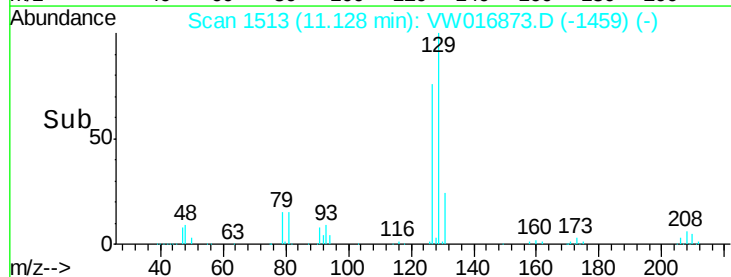
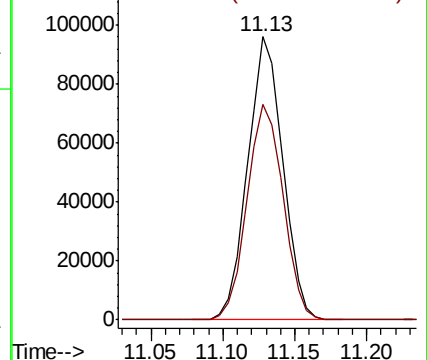
129 100

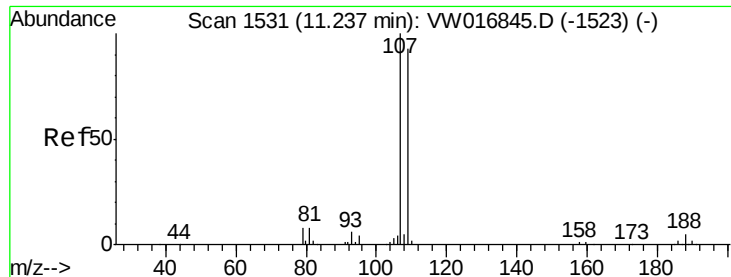
127 76.2 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 25.406 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

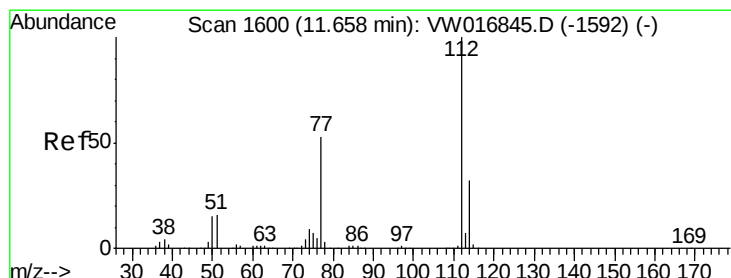
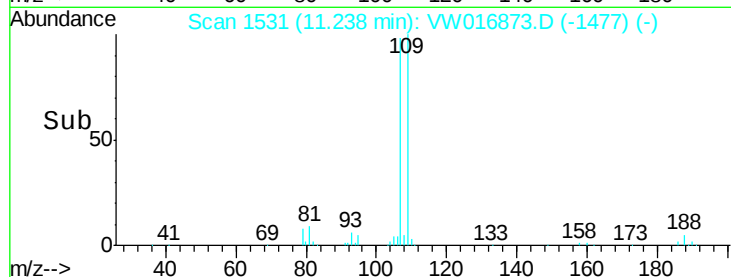
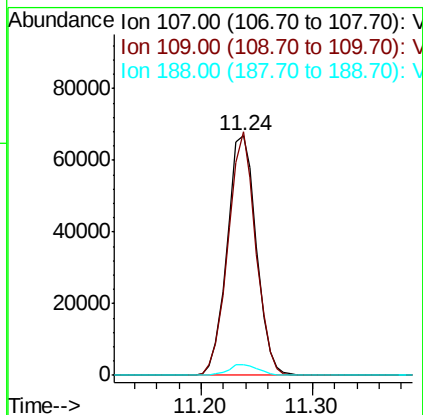
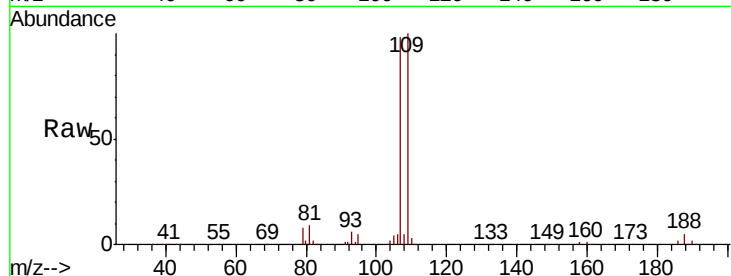
Tot Ion:107 Resp: 121330

Ion Ratio Lower Upper

107 100

109 101.7 68.4 127.0

188 4.7 3.4 5.0



#52

Chlorobenzene

Concen: 26.839 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

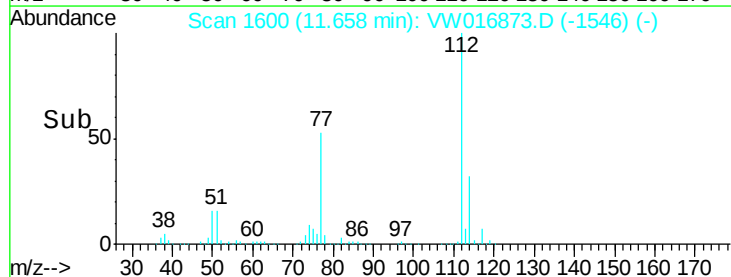
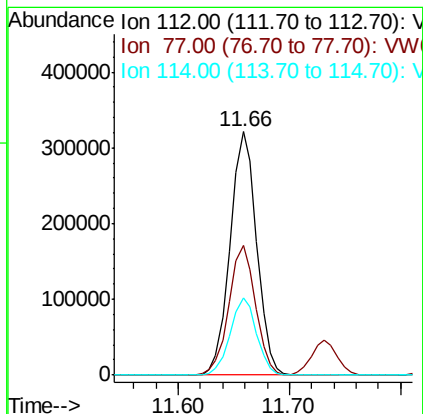
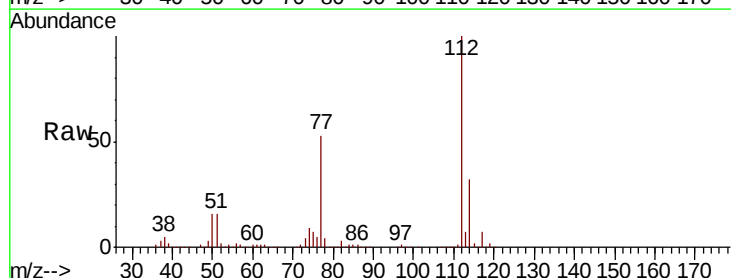
Tgt Ion:112 Resp: 528249

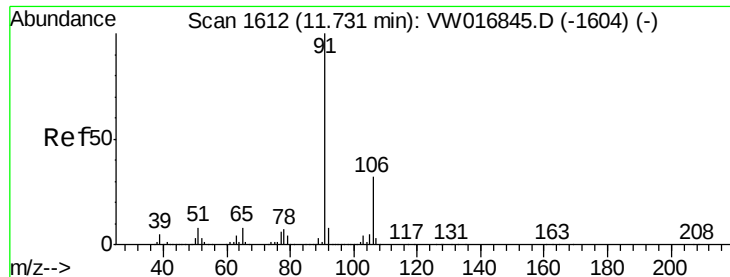
Ion Ratio Lower Upper

112 100

77 53.0 44.0 66.0

114 32.0 22.3 41.3





#53

Ethylbenzene

Concen: 27.339 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

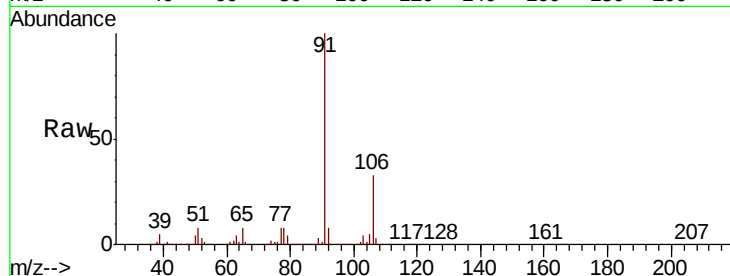
VSTD02525

Tot Ion: 91 Resp: 899470

Ion Ratio Lower Upper

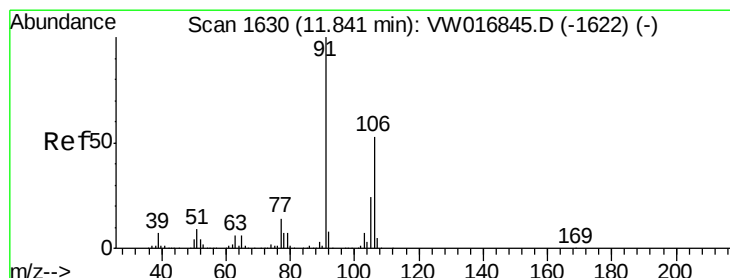
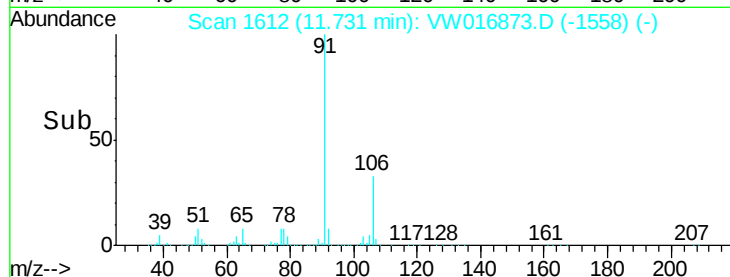
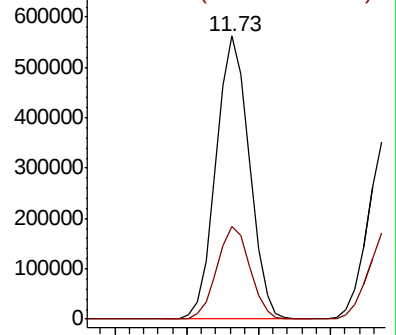
91 100

106 32.5 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW



#54

m,p-Xylene

Concen: 27.619 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016873.D

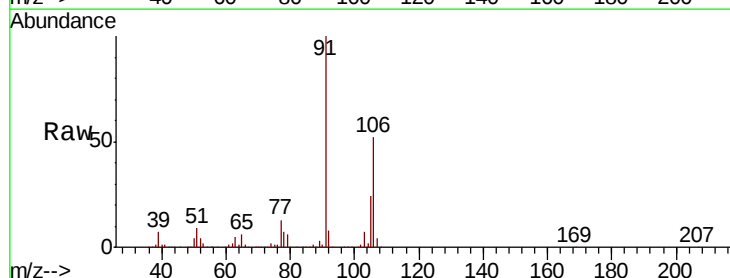
Acq: 12 Oct 2020 10:08

Tgt Ion: 106 Resp: 353406

Ion Ratio Lower Upper

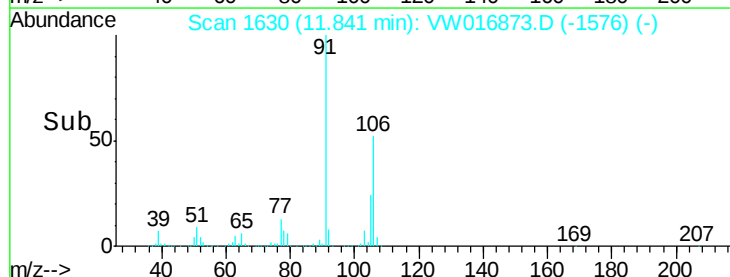
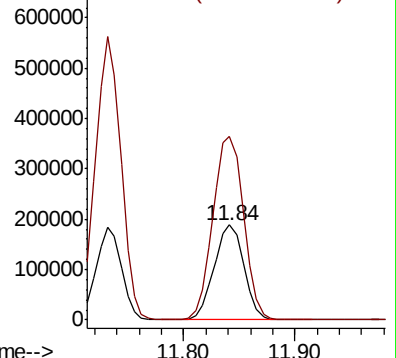
106 100

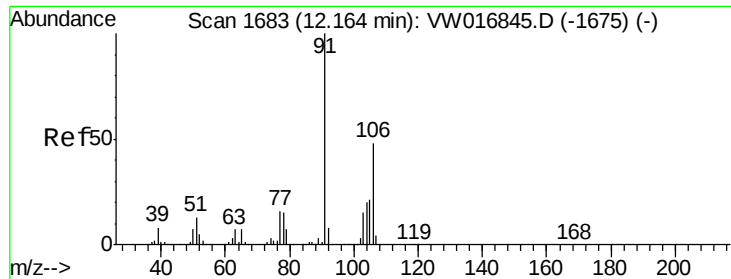
91 192.8 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): VW

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.302 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

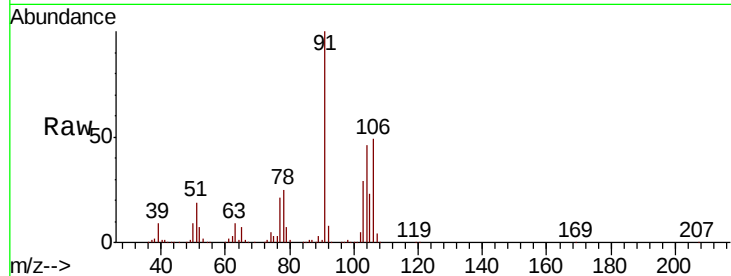
VSTD02525

Tot Ion:106 Resp: 333776

Ion Ratio Lower Upper

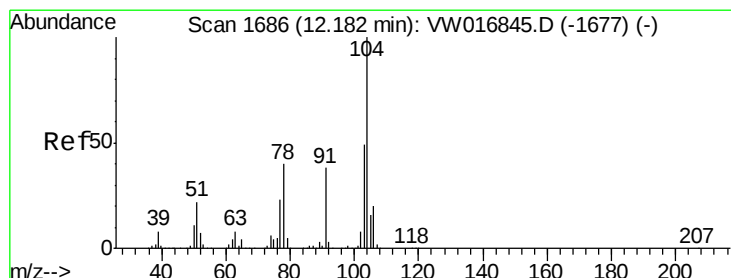
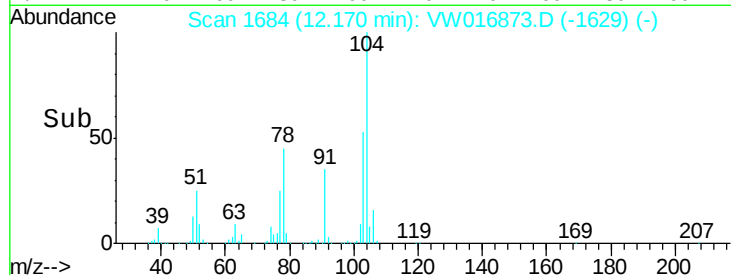
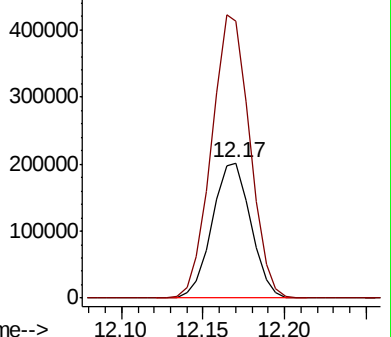
106 100

91 205.3 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.409 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016873.D

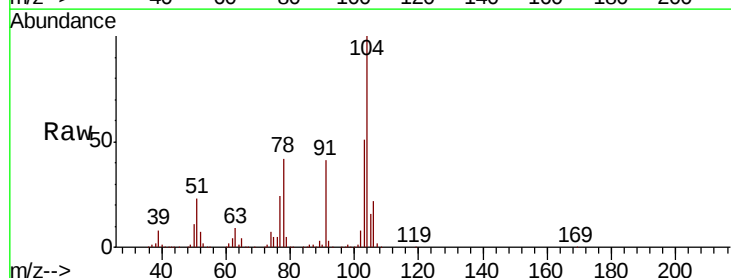
Acq: 12 Oct 2020 10:08

Tgt Ion:104 Resp: 552949

Ion Ratio Lower Upper

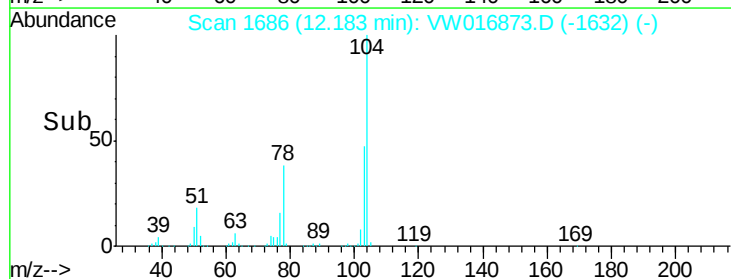
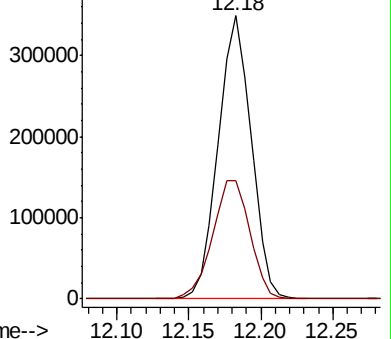
104 100

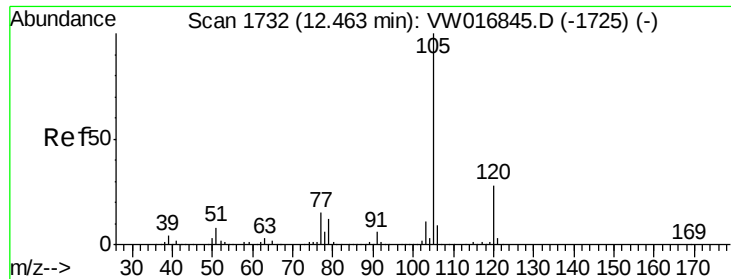
78 41.8 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.777 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

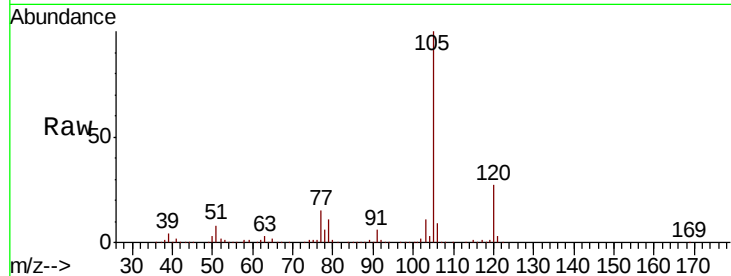
Tot Ion:105 Resp: 929884

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

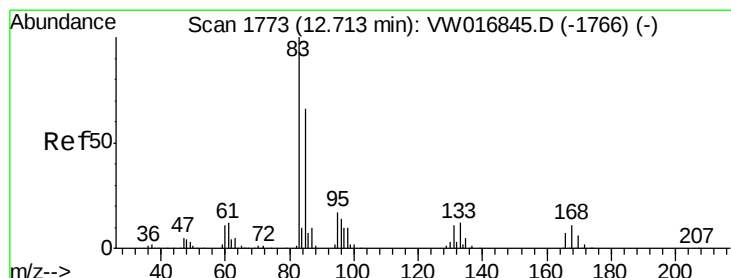
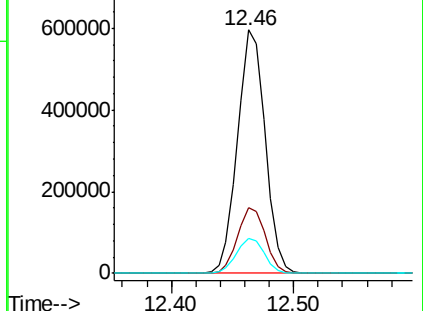
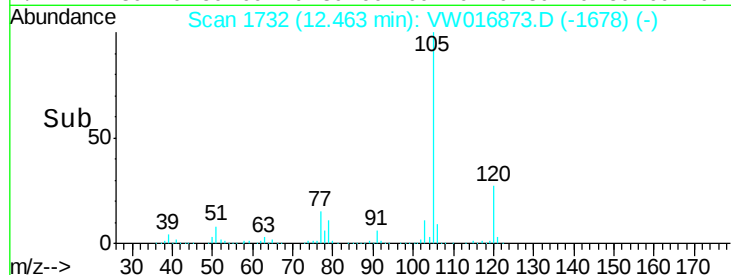
77 14.6 11.4 17.2



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: 25.672 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

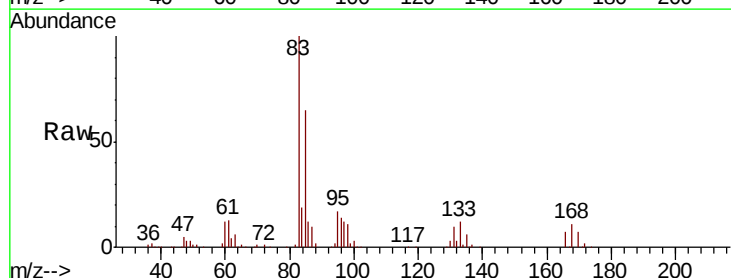
Tgt Ion: 83 Resp: 137873

Ion Ratio Lower Upper

83 100

85 64.6 43.3 80.5

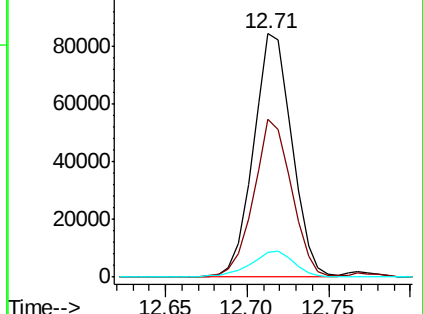
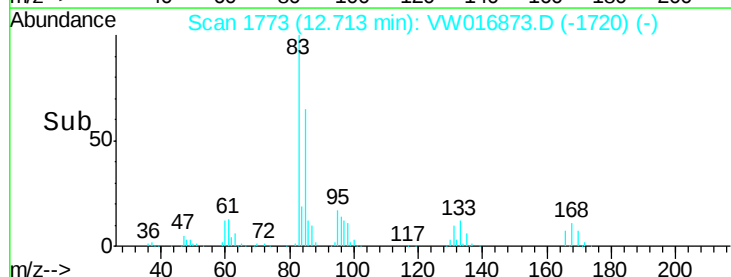
131 10.2 9.0 13.4

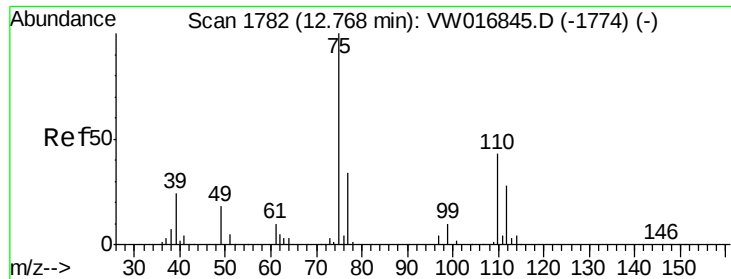


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.312 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

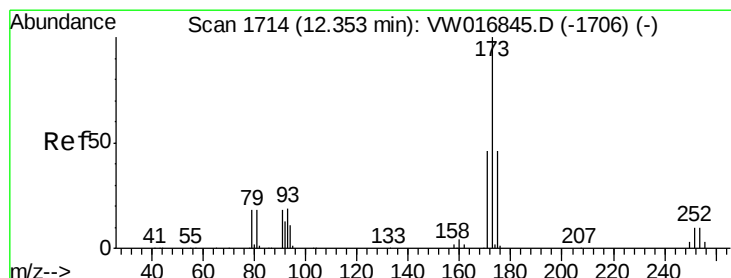
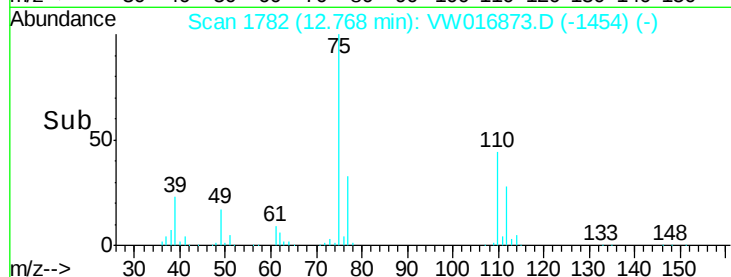
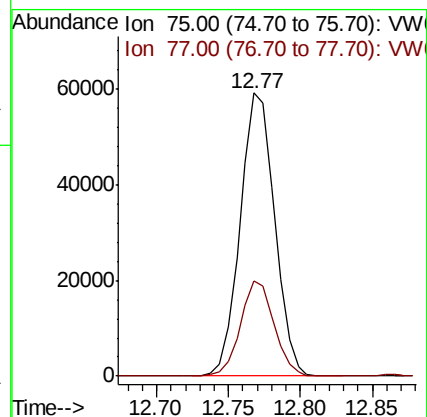
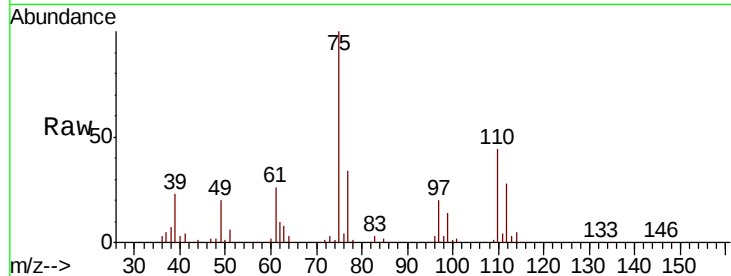
VSTD02525

Tot Ion: 75 Resp: 98480

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



#62

Bromoform

Concen: 27.168 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

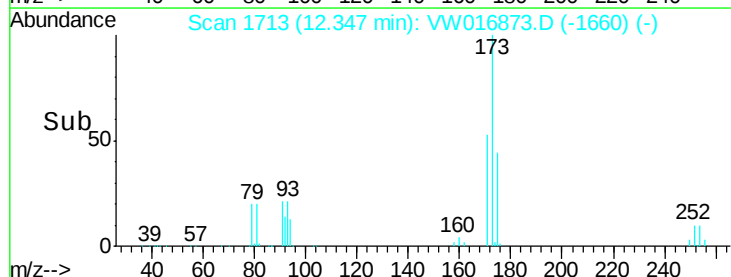
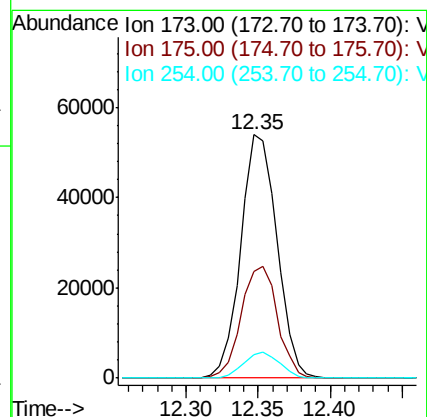
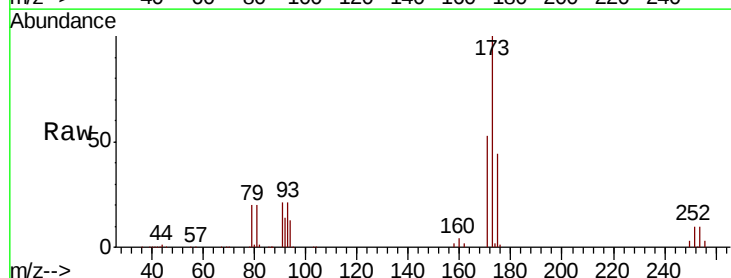
Tgt Ion: 173 Resp: 94127

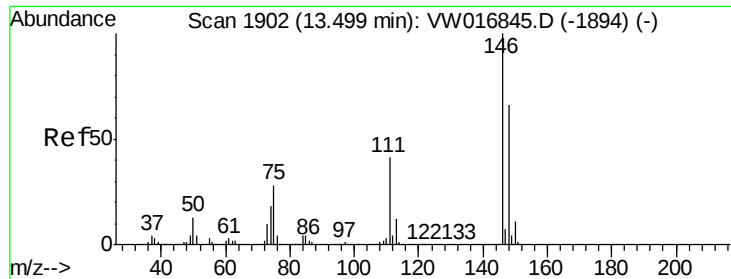
Ion Ratio Lower Upper

173 100

175 45.9 39.9 59.9

254 10.5 8.7 13.1

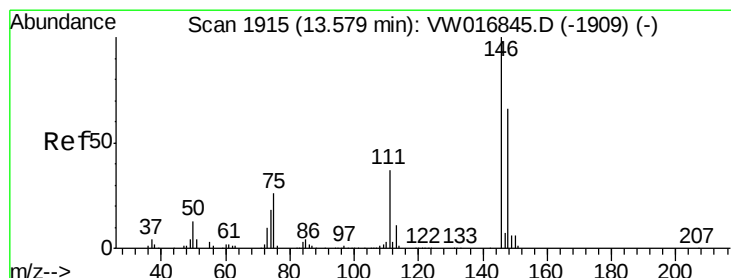
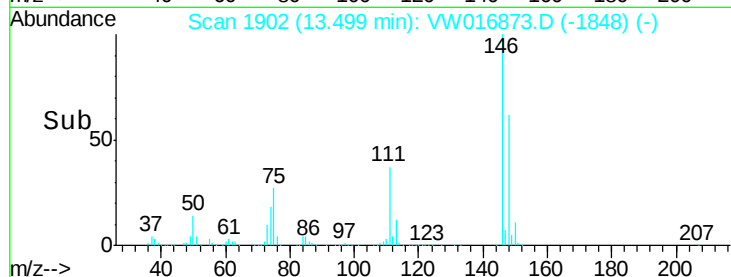
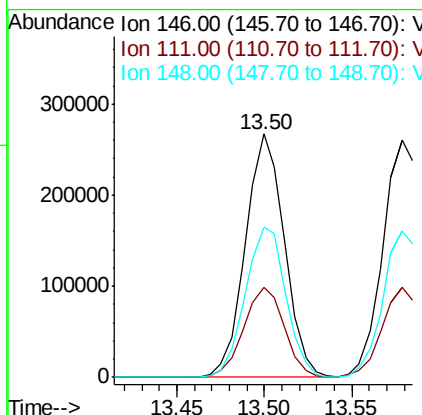
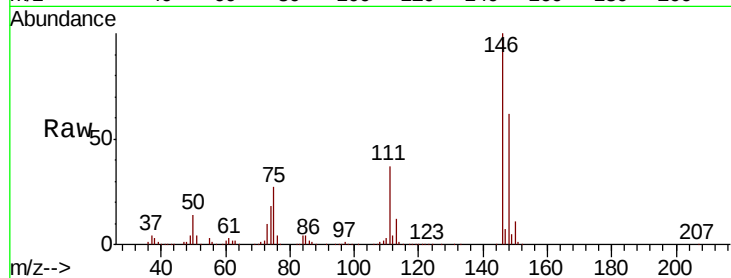




#63
 1,3-Dichlorobenzene
 Concen: 26.594 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

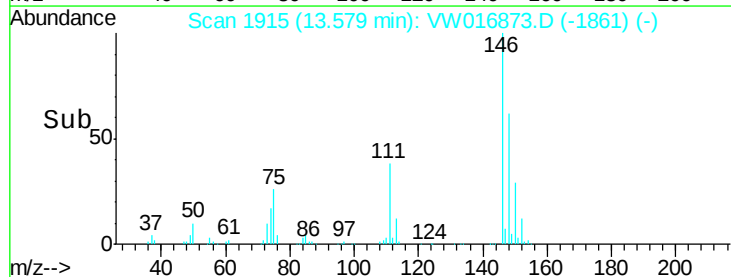
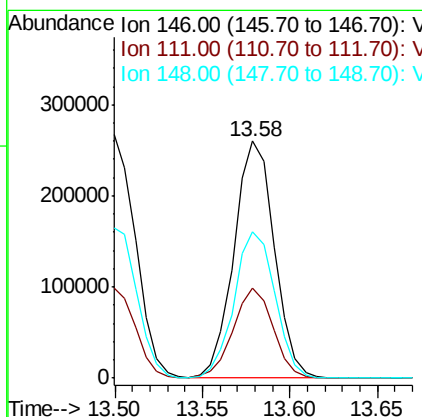
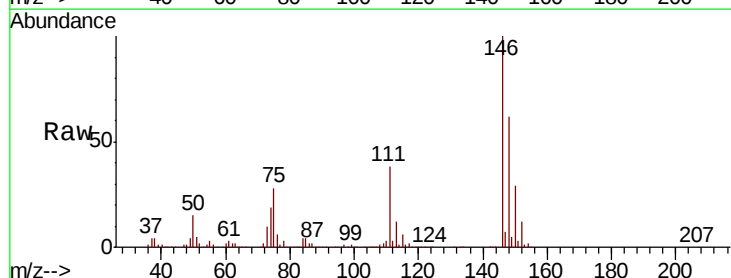
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

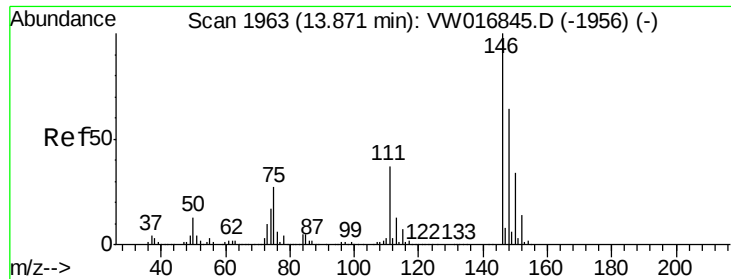
Tot Ion:146 Resp: 416850
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.9 49.9
 148 61.9 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.624 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion:146 Resp: 417360
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.0 48.4
 148 62.0 43.9 81.5

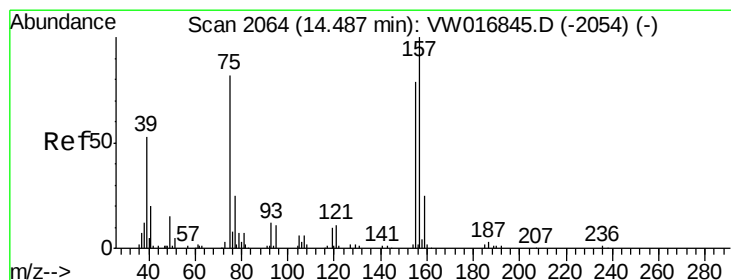
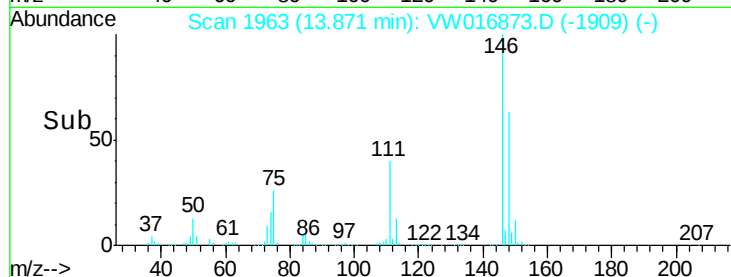
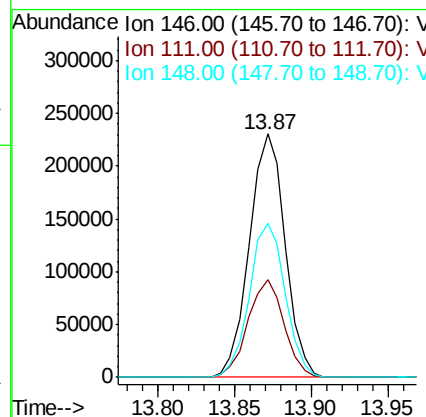
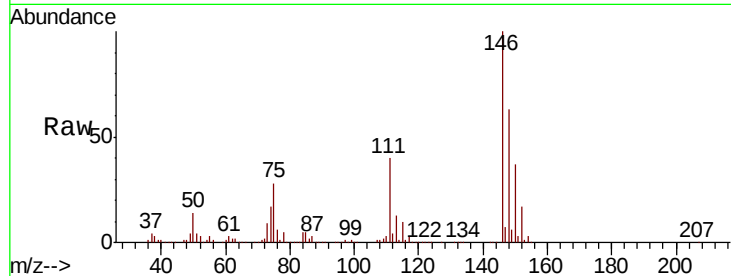




#65
 1,2-Dichlorobenzene
 Concen: 26.707 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

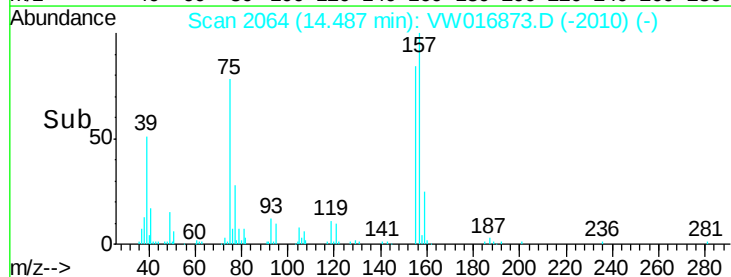
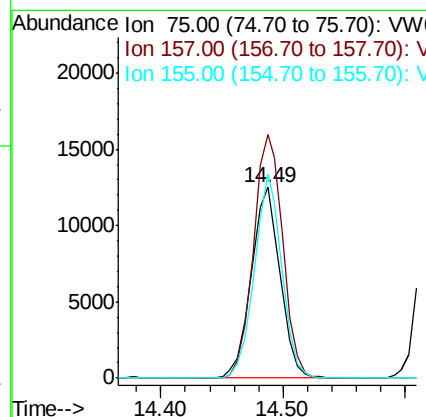
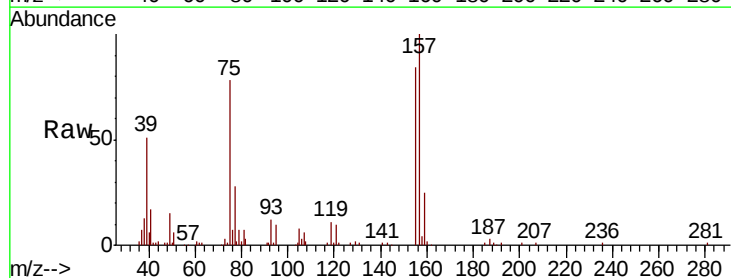
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

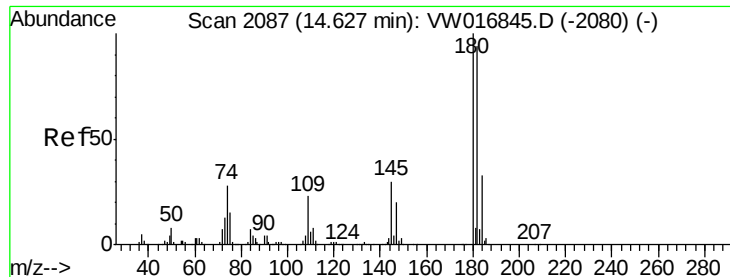
Tot Ion:146 Resp: 374819
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.1 48.1
 148 63.1 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.106 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion: 75 Resp: 20522
 Ion Ratio Lower Upper
 75 100
 157 127.8 100.5 150.7
 155 106.9 74.7 112.1

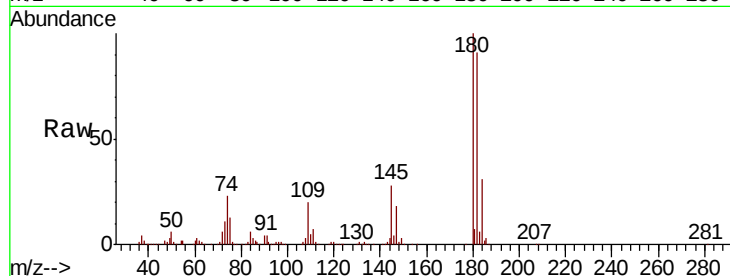




#67
 1,3,5-Trichlorobenzene
 Concen: 28.446 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tot Ion	180	Resp	331436
Ion Ratio	Lower	Upper	
180	100		
182	94.8	79.0	118.6
184	30.0	24.9	37.3
145	28.4	23.0	34.4



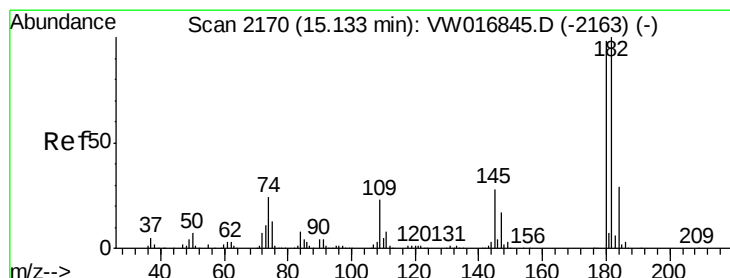
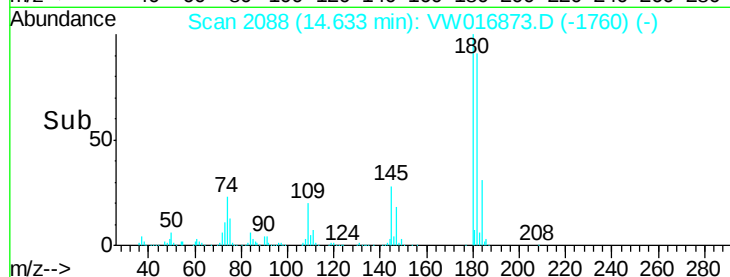
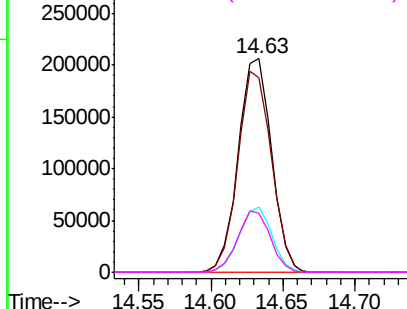
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

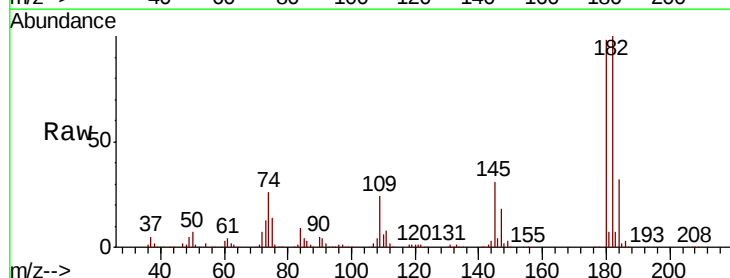
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.562 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016873.D
 Acq: 12 Oct 2020 10:08

Tgt Ion	180	Resp	254198
Ion Ratio	Lower	Upper	
180	100		
182	97.8	74.2	111.2
145	31.0	23.4	35.0

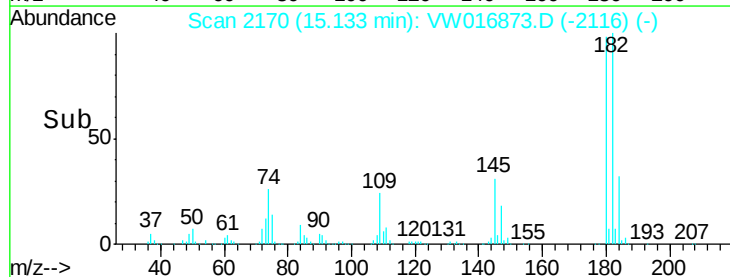
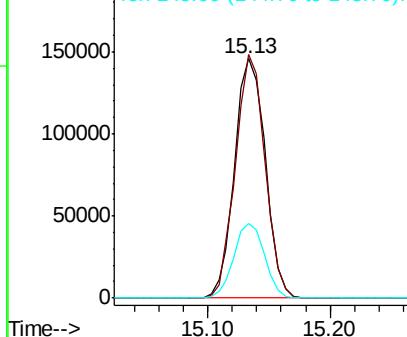


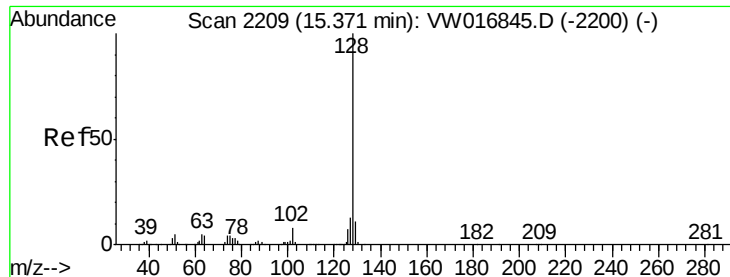
Abundance

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: 26.958 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

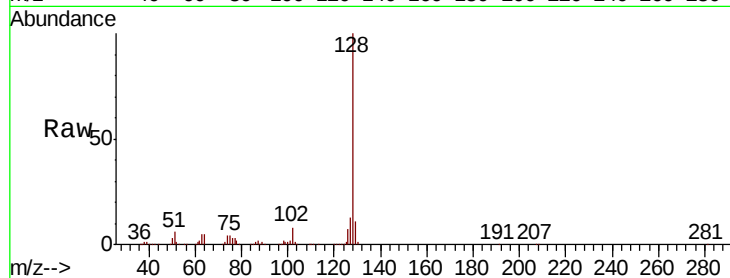
Tot Ion:128 Resp: 427208

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

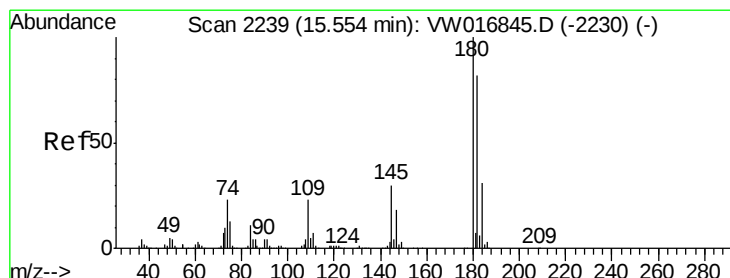
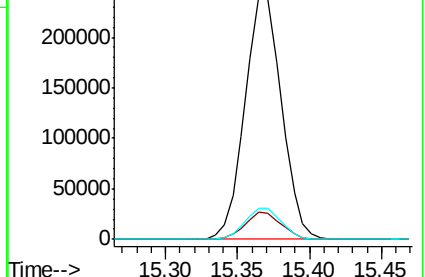
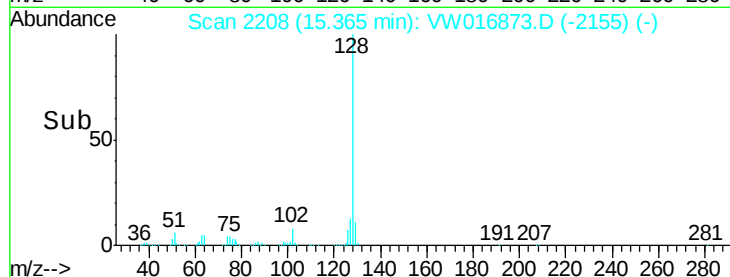
127 13.0 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.294 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016873.D

Acq: 12 Oct 2020 10:08

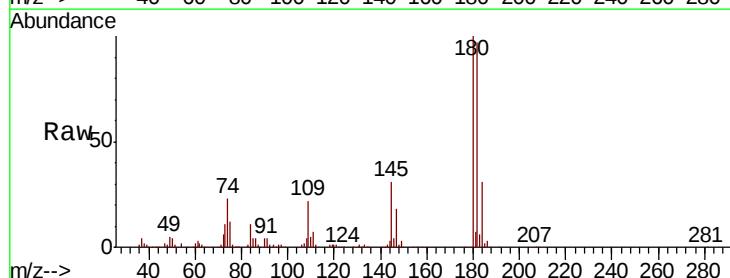
Tgt Ion:180 Resp: 224450

Ion Ratio Lower Upper

180 100

182 96.4 74.1 111.1

145 30.9 24.8 37.2



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

