

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072120\
 Data File : VW015876.D
 Acq On : 21 Jul 2020 08:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Jul 21 14:54:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 21 06:59:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	459915	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	419395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197545	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	143936	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.72%
7) Chloroethane-d5	2.90	69	125238	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.04%
10) 1,1-Dichloroethene-d2	4.01	63	315463	24.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.16%
20) 2-Butanone-d5	7.08	46	77415	45.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.82%
24) Chloroform-d	7.65	84	295457	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	159306	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.88%
29) Benzene-d6	8.27	84	572599	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	169251	22.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.48%
37) Toluene-d8	10.32	98	518018	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.60%
38) trans-1,3-Dichloropropene-	10.58	79	72725	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.16%
39) 2-Hexanone-d5	10.93	63	60211	47.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132940	22.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	173378	22.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	113736	29.225	ug/L 95
3) Chloromethane	2.21	50	121153	25.740	ug/L 100
5) Vinyl chloride	2.37	62	189041	26.040	ug/L 100
6) Bromomethane	2.79	94	115390	26.643	ug/L 98
8) Chloroethane	2.93	64	116821	27.470	ug/L 98
9) Trichlorofluoromethane	3.26	101	149637	30.665	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	154322	25.872	ug/L 98
12) 1,1-Dichloroethene	4.04	96	155831	26.358	ug/L 97
13) Acetone	4.14	43	77944	54.445	ug/L 99
14) Carbon disulfide	4.37	76	497559	26.648	ug/L 99
15) Methyl Acetate	4.67	43	68654	25.434	ug/L 99
16) Methylene chloride	4.91	84	164303	21.802	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	229404	27.440	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	162237	25.986	ug/L 96
19) 1,1-Dichloroethane	6.21	63	300142	26.088	ug/L 98
21) 2-Butanone	7.18	43	96827	54.695	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	170318	26.075	ug/L 99

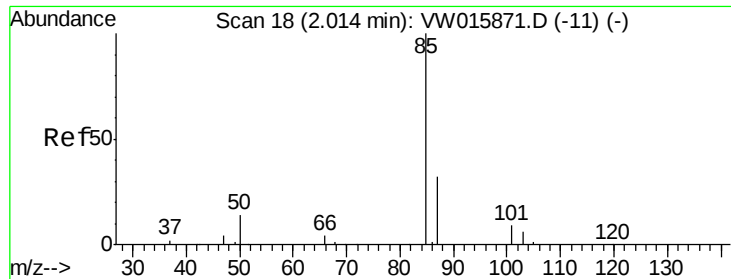
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072120\
 Data File : VW015876.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Jul 21 06:59:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74373	25.966	ug/L	97
25) Chloroform	7.68	83	295417	25.909	ug/L	100
27) 1,2-Dichloroethane	8.40	62	198251	25.552	ug/L	99
30) Cyclohexane	7.96	56	282715	26.734	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	260668	26.618	ug/L	99
32) Carbon tetrachloride	8.07	117	231937	26.118	ug/L	100
34) Benzene	8.32	78	660464	25.929	ug/L	100
35) Trichloroethene	9.09	95	172324	25.574	ug/L	99
36) Methylcyclohexane	9.34	83	307188	26.569	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162139	25.694	ug/L	100
41) Bromodichloromethane	9.65	83	209518	25.710	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	254157	26.445	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	193149	52.440	ug/L	99
44) Toluene	10.39	91	698562	26.148	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	221219	26.556	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	114744	25.287	ug/L	99
47) Tetrachloroethene	10.87	164	131911	25.221	ug/L	96
49) 2-Hexanone	10.97	43	139781	53.479	ug/L	99
50) Dibromochloromethane	11.13	129	136467	25.976	ug/L	98
51) 1,2-Dibromoethane	11.24	107	110156	25.376	ug/L	96
52) Chlorobenzene	11.66	112	436725	25.511	ug/L	100
53) Ethylbenzene	11.73	91	789875	26.293	ug/L	98
54) m,p-Xylene	11.84	106	295998	26.336	ug/L	97
55) o-xylene	12.17	106	279234	26.384	ug/L	100
56) Styrene	12.18	104	484970	26.946	ug/L	98
57) Isopropylbenzene	12.47	105	780084	27.077	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	137836	25.868	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	102723	25.730	ug/L	100
62) Bromoform	12.35	173	74491	25.633	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	323689	25.602	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	325743	25.386	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	290564	25.301	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	22170	25.648	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	230582	25.937	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	183897	26.043	ug/L	98
69) Naphthalene	15.37	128	349276	26.256	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	157951	25.105	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 29.225 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

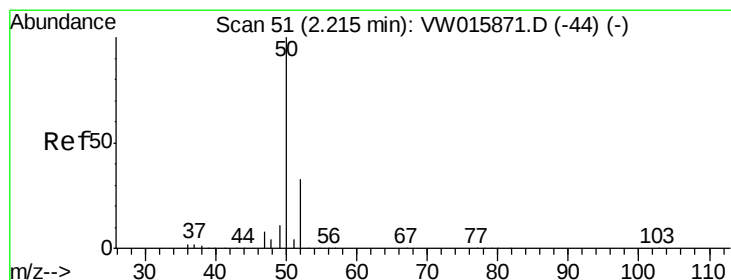
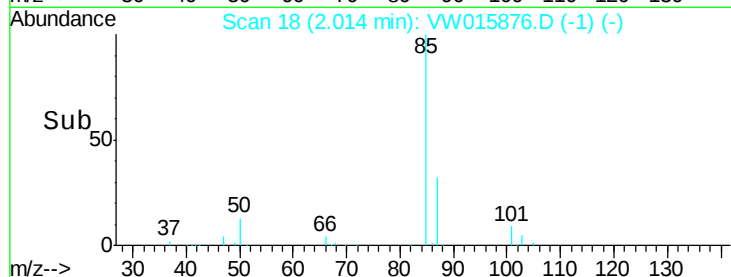
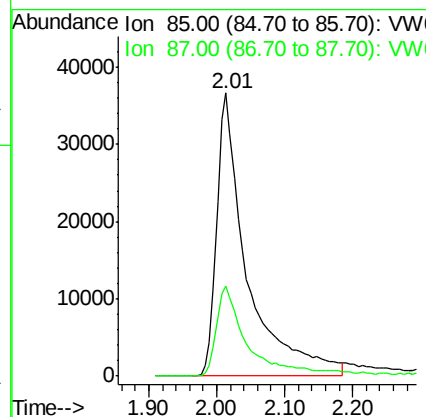
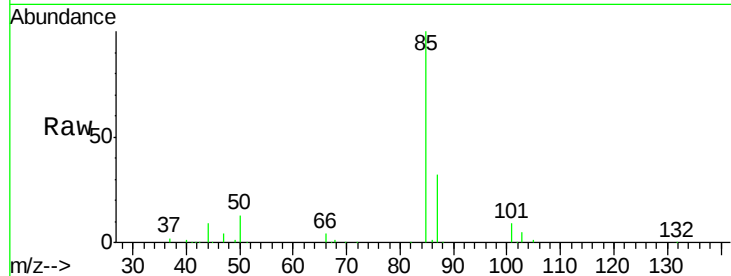
VSTD02528

Tgt Ion: 85 Resp: 113736

Ion Ratio Lower Upper

85 100

87 27.3 21.0 39.0



#3

Chloromethane

Concen: 25.740 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015876.D

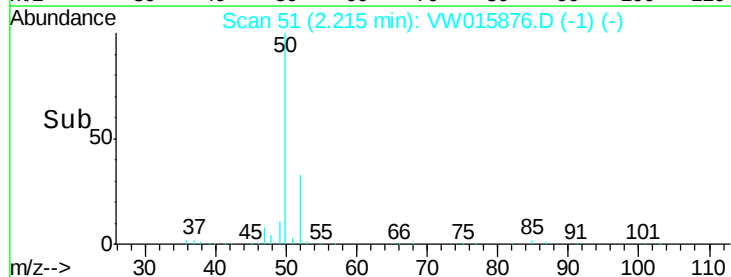
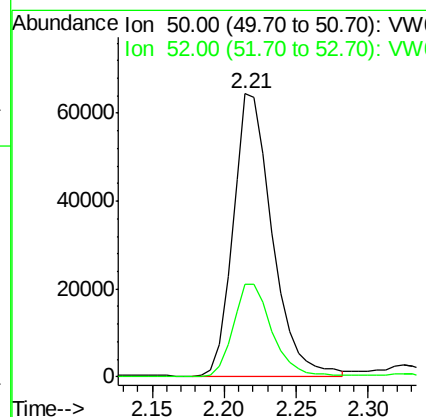
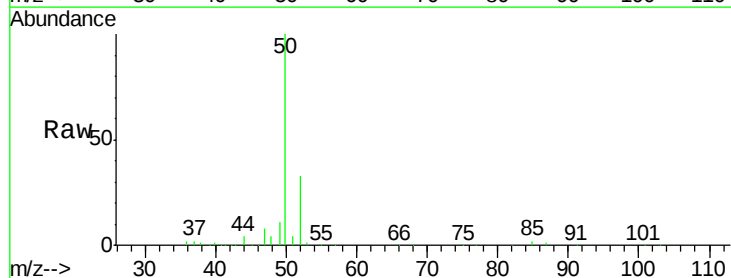
Acq: 21 Jul 2020 08:58

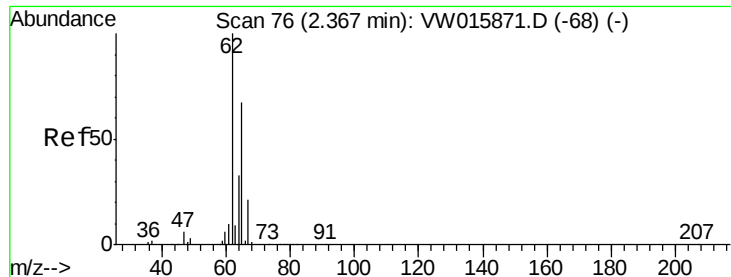
Tgt Ion: 50 Resp: 121153

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4





#5

Vinyl chloride

Concen: 26.040 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

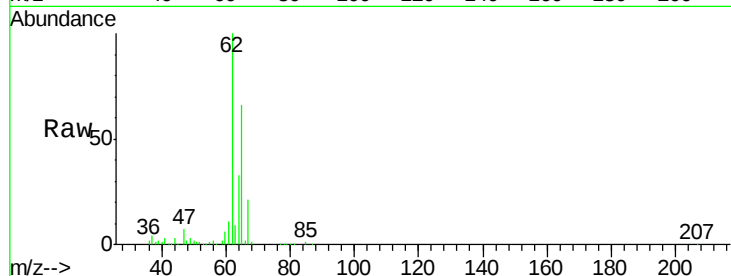
VSTD02528

Tgt Ion: 62 Resp: 189041

Ion Ratio Lower Upper

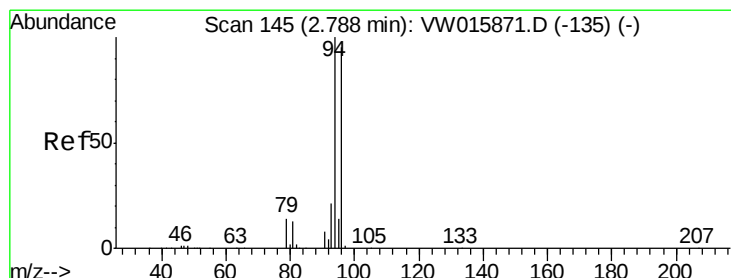
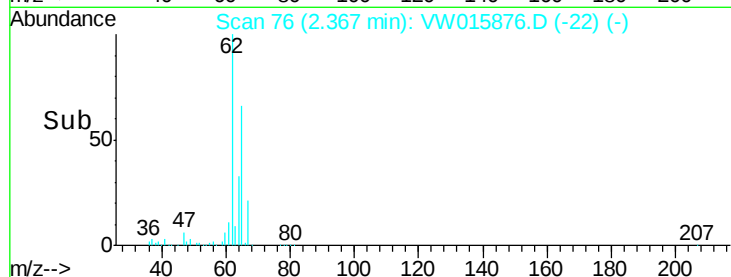
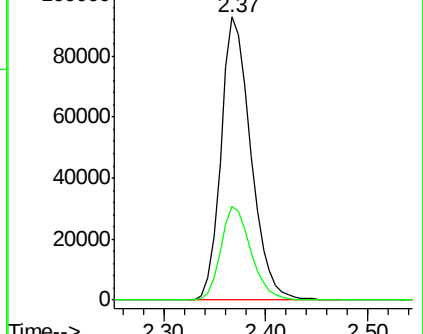
62 100

64 33.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 26.643 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015876.D

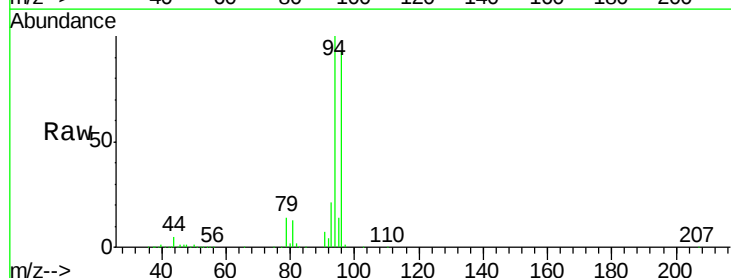
Acq: 21 Jul 2020 08:58

Tgt Ion: 94 Resp: 115390

Ion Ratio Lower Upper

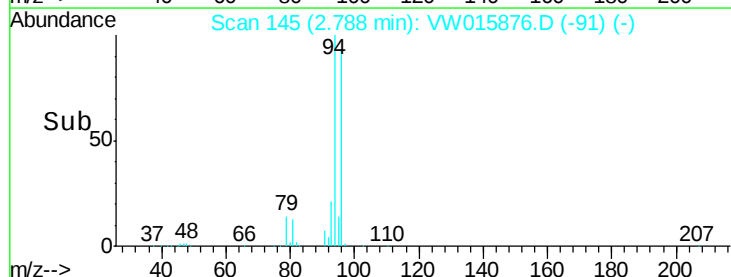
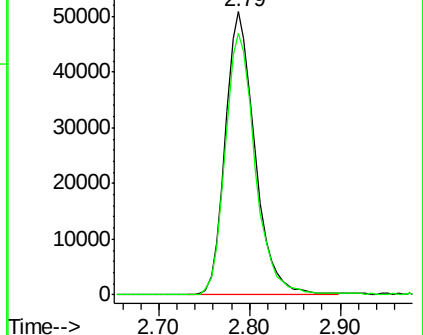
94 100

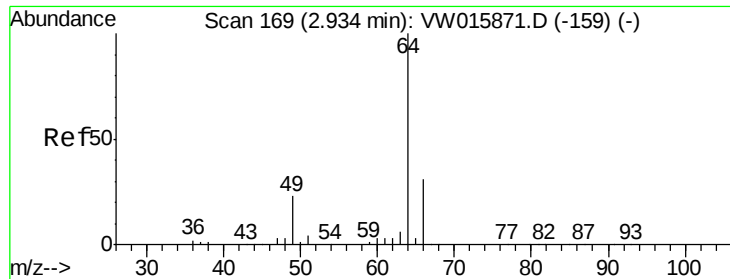
96 92.8 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 27.470 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

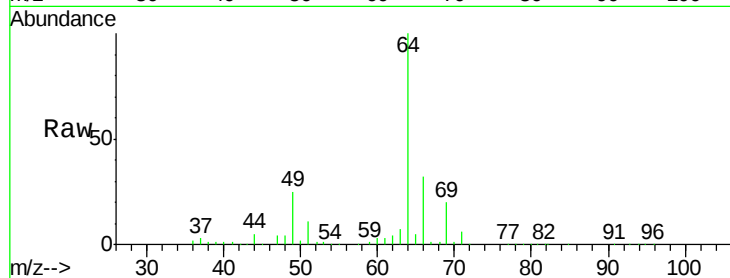
VSTD02528

Tgt Ion: 64 Resp: 116821

Ion Ratio Lower Upper

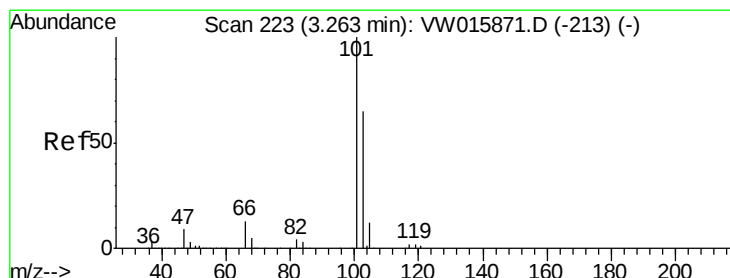
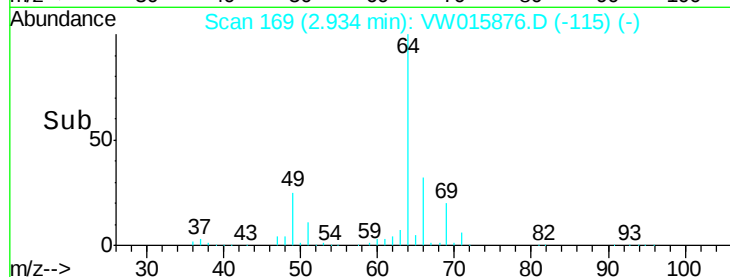
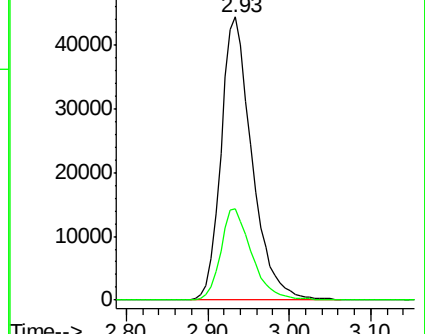
64 100

66 32.5 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 30.665 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015876.D

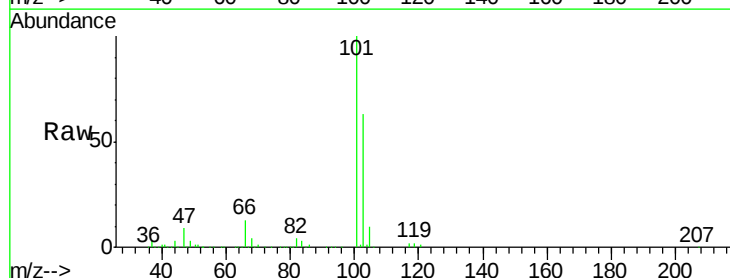
Acq: 21 Jul 2020 08:58

Tgt Ion: 101 Resp: 149637

Ion Ratio Lower Upper

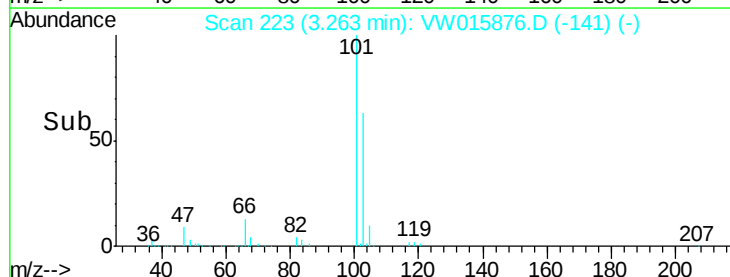
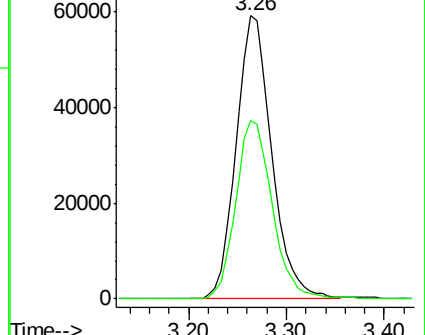
101 100

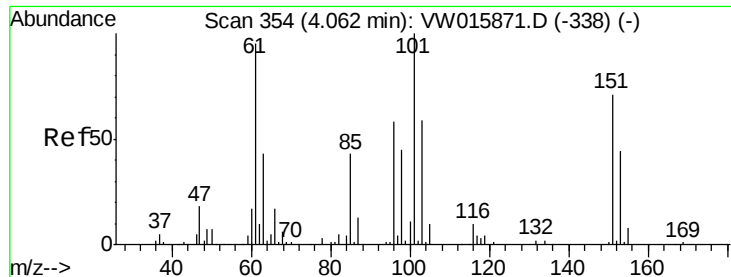
103 64.5 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.872 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

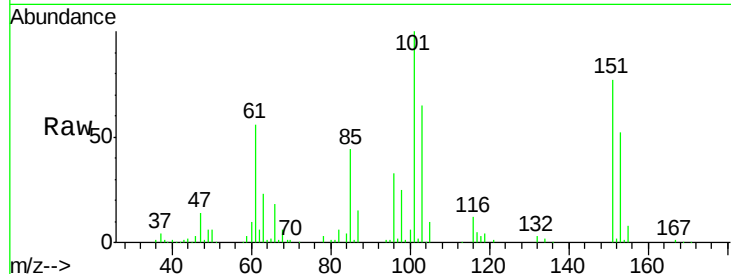
Tgt Ion:101 Resp: 154322

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

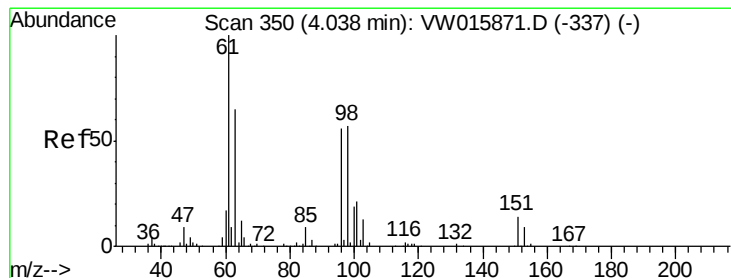
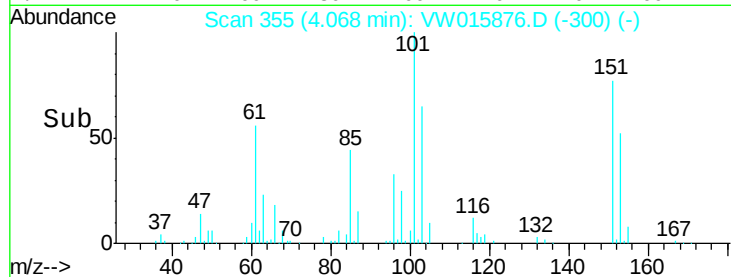
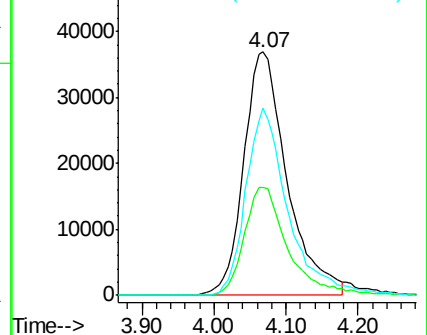
151 75.1 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.358 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

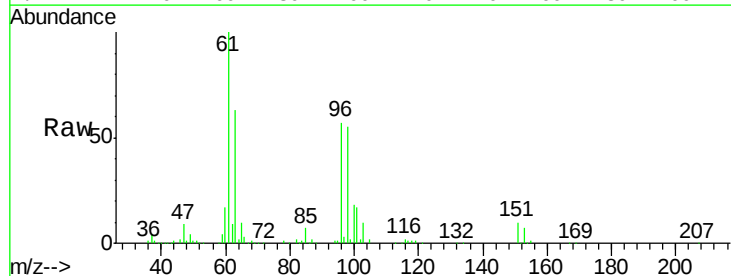
Tgt Ion: 96 Resp: 155831

Ion Ratio Lower Upper

96 100

61 176.4 125.0 232.2

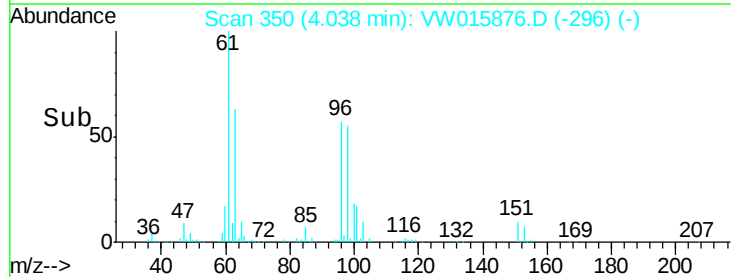
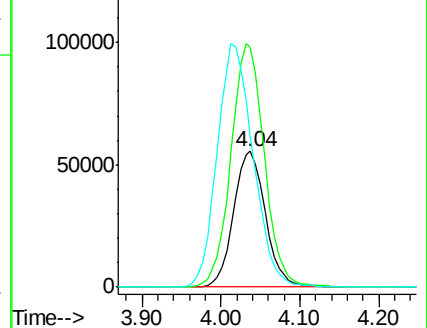
63 111.4 82.3 152.8

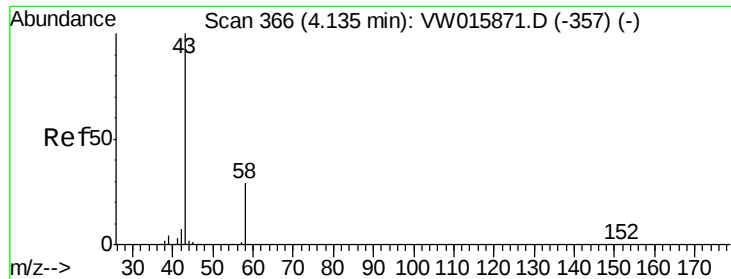


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.445 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

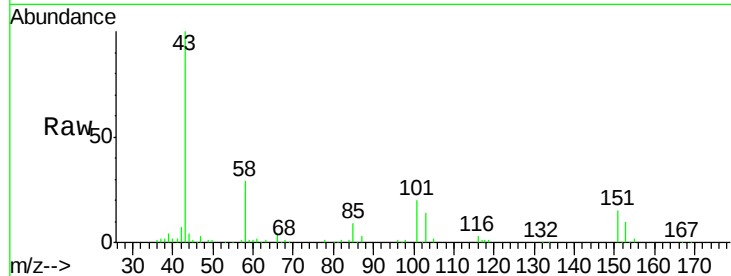
VSTD02528

Tgt Ion: 43 Resp: 77944

Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

30000

25000

20000

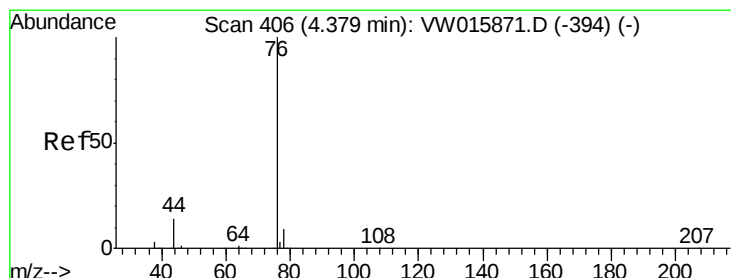
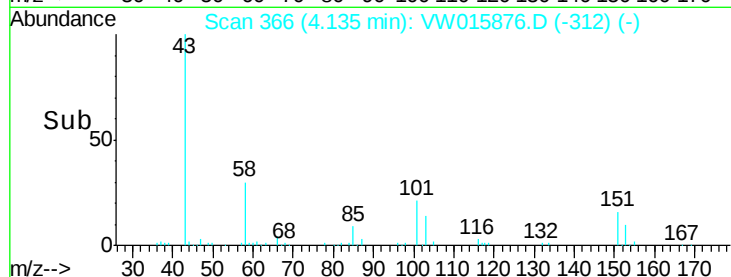
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 26.648 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015876.D

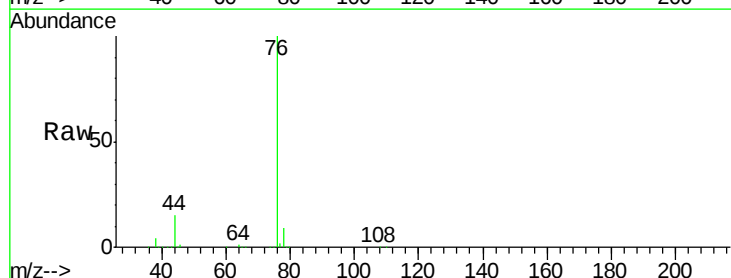
Acq: 21 Jul 2020 08:58

Tgt Ion: 76 Resp: 497559

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

200000

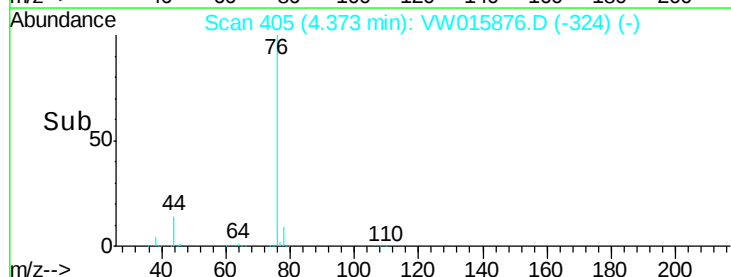
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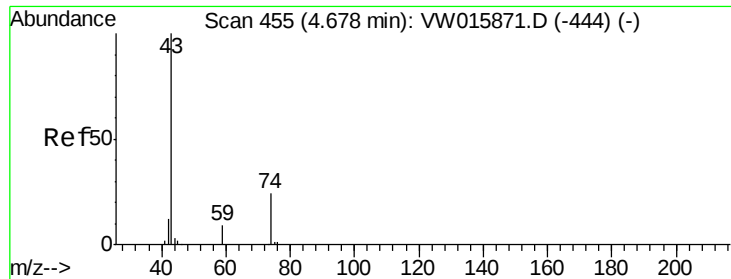
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50000

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Time-->

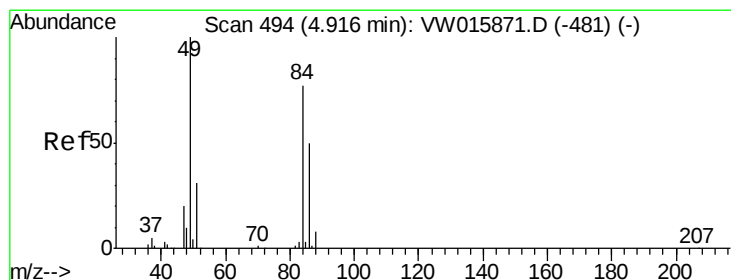
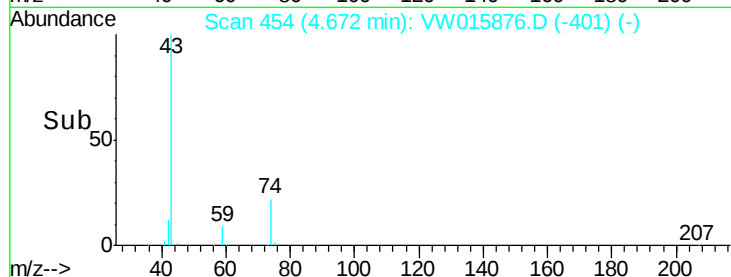
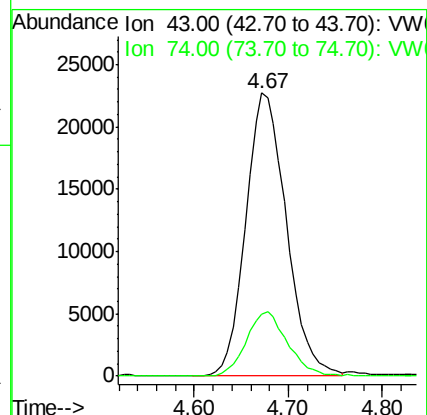
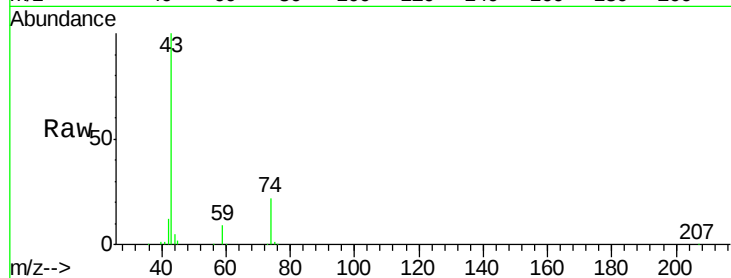




#15
Methyl Acetate
Concen: 25.434 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

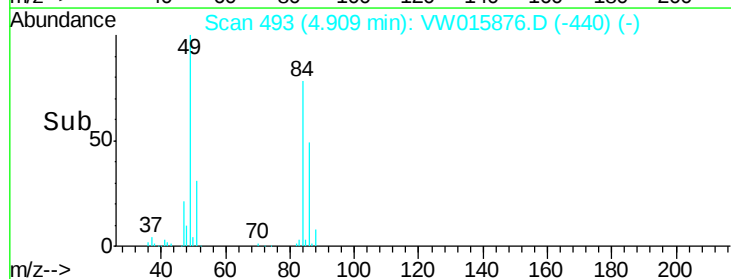
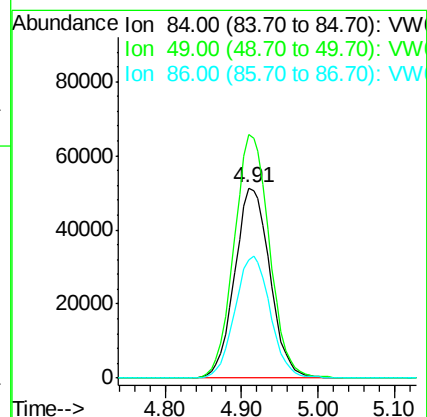
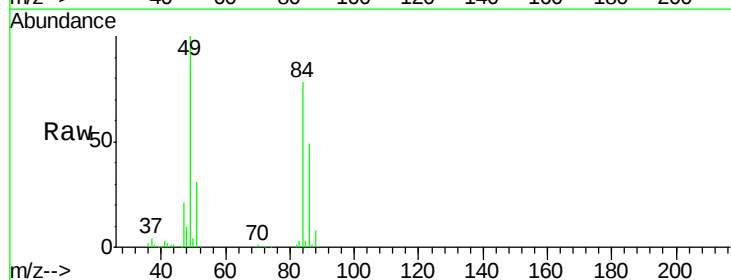
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

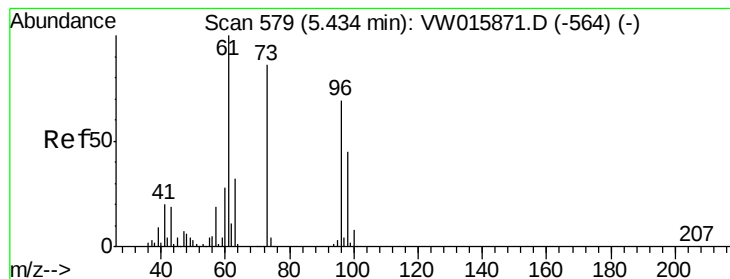
Tgt Ion: 43 Resp: 68654
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 21.802 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion: 84 Resp: 164303
Ion Ratio Lower Upper
84 100
49 128.0 91.1 169.1
86 62.4 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 27.440 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

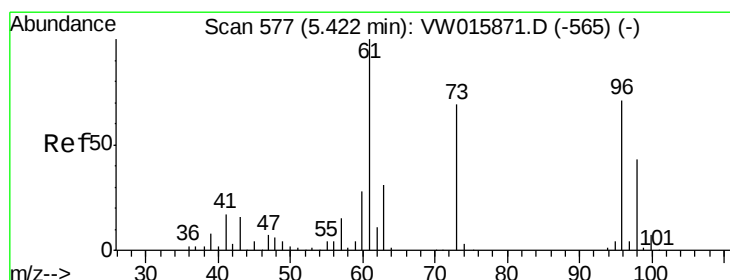
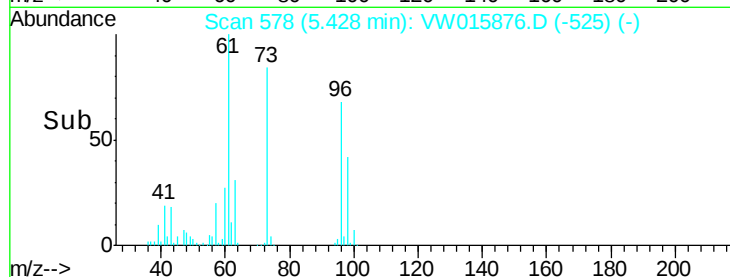
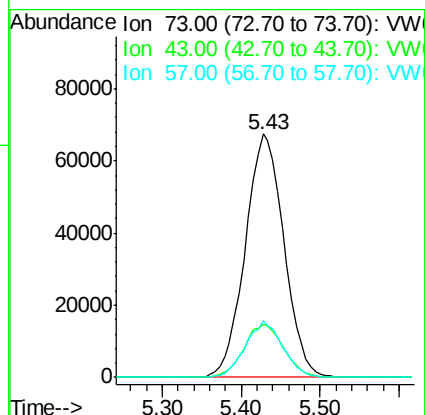
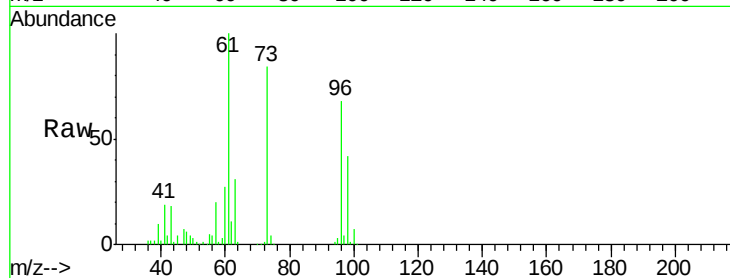
Tgt Ion: 73 Resp: 229404

Ion Ratio Lower Upper

73 100

43 22.5 18.4 27.6

57 22.3 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 25.986 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

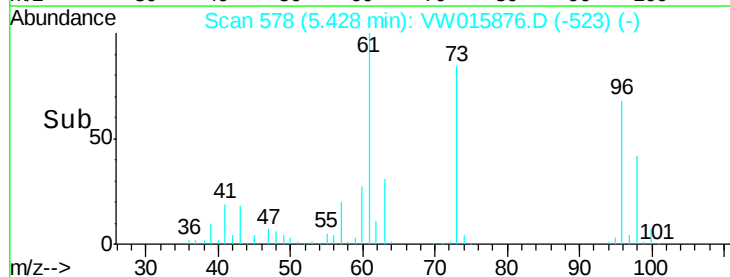
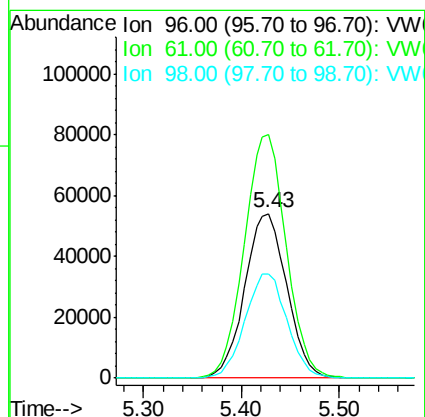
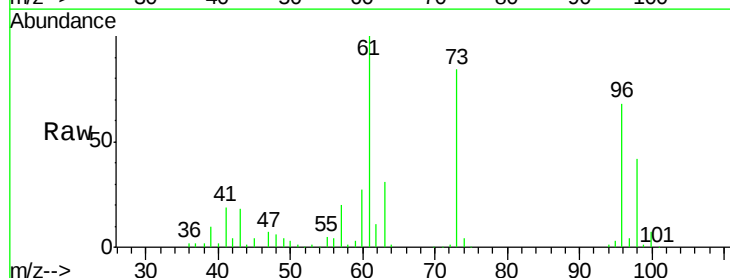
Tgt Ion: 96 Resp: 162237

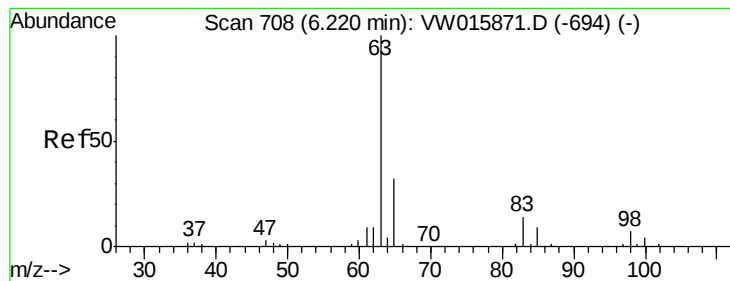
Ion Ratio Lower Upper

96 100

61 148.1 99.3 184.5

98 62.9 42.9 79.7





#19

1,1-Dichloroethane

Concen: 26.088 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampled :

VSTD02528

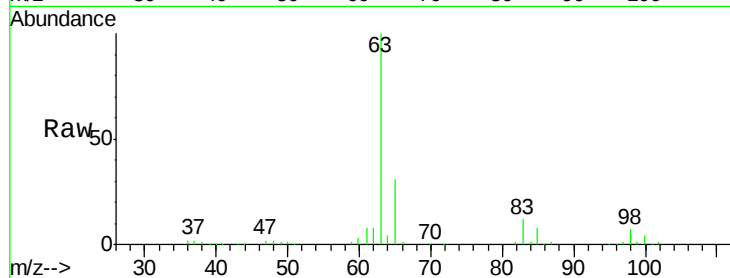
Tgt Ion: 63 Resp: 300142

Ion Ratio Lower Upper

63 100

65 30.6 22.2 41.2

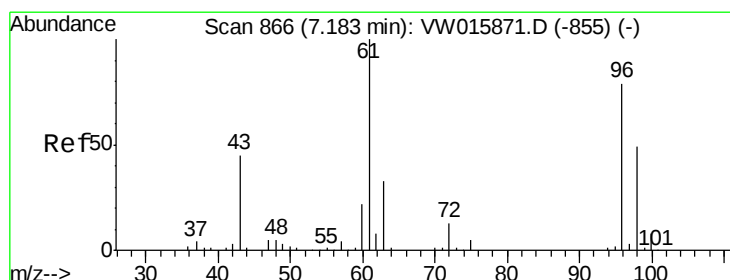
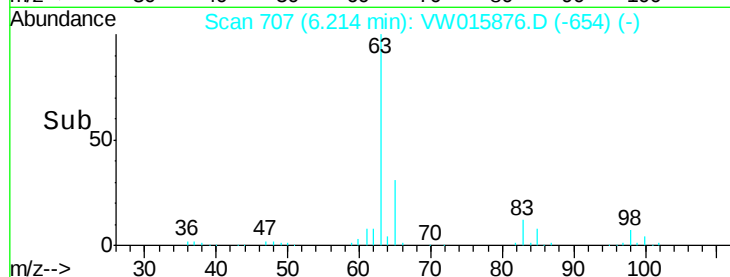
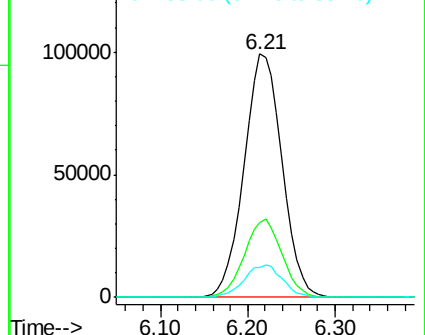
83 12.5 9.8 18.2



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: 54.695 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015876.D

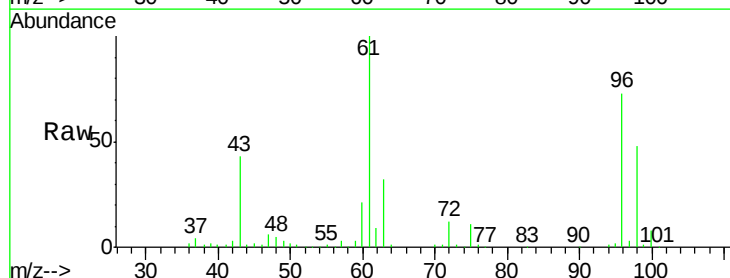
Acq: 21 Jul 2020 08:58

Tgt Ion: 43 Resp: 96827

Ion Ratio Lower Upper

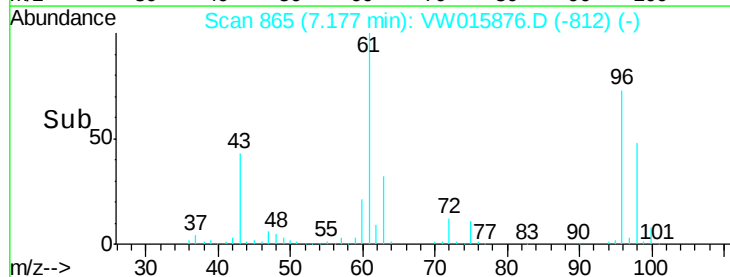
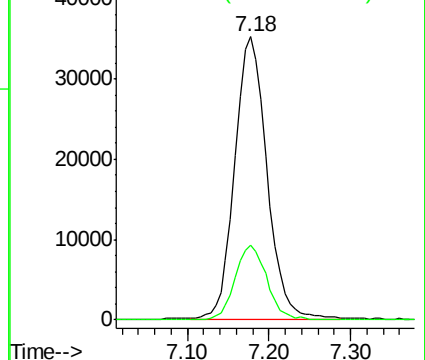
43 100

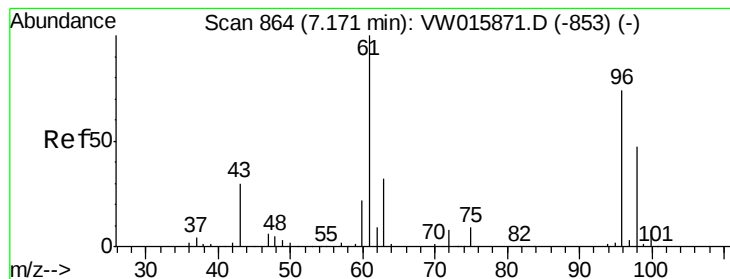
72 25.6 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



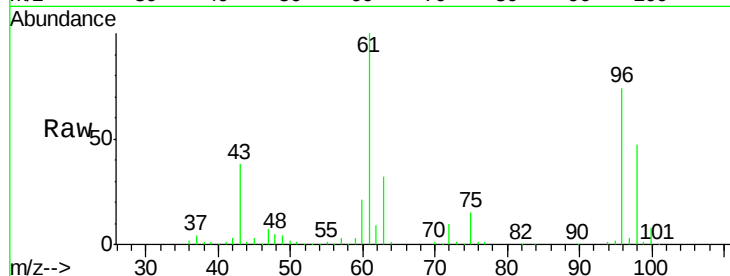


#22

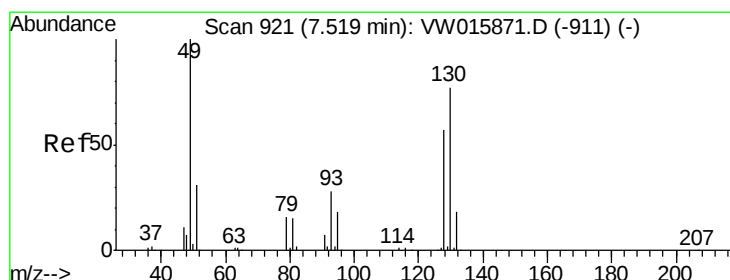
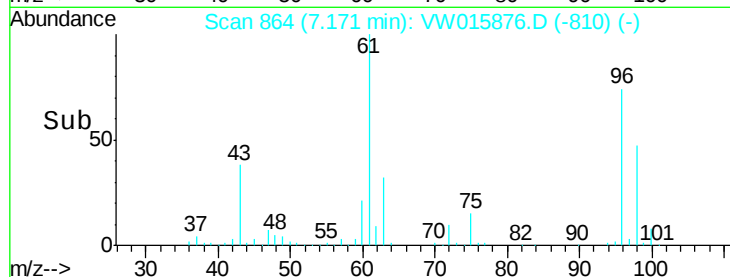
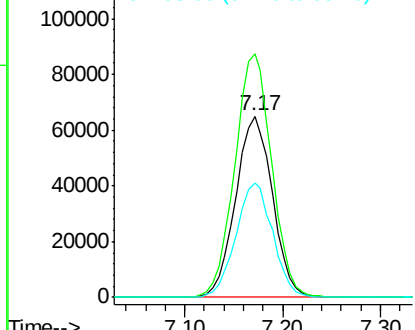
cis-1,2-Dichloroethene
Concen: 26.075 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Tgt Ion: 96 Resp: 170318
Ion Ratio Lower Upper
96 100
61 134.4 94.6 175.8
98 62.9 44.3 82.3



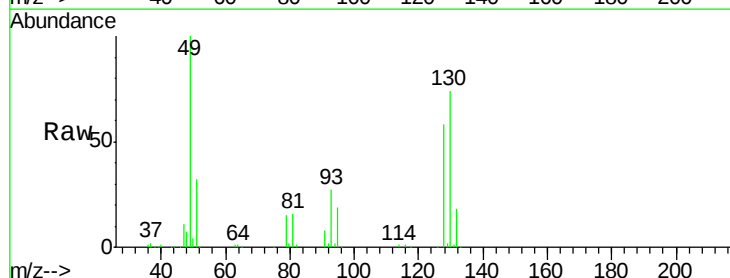
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



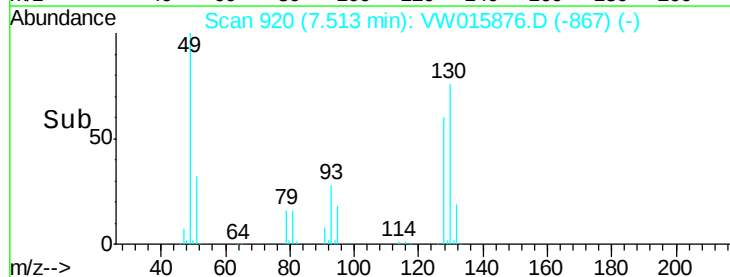
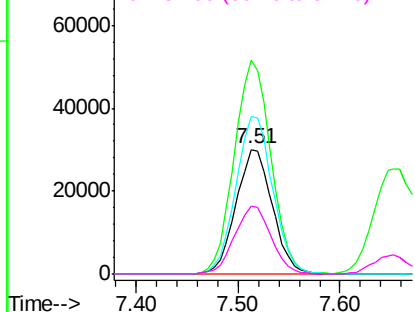
#23

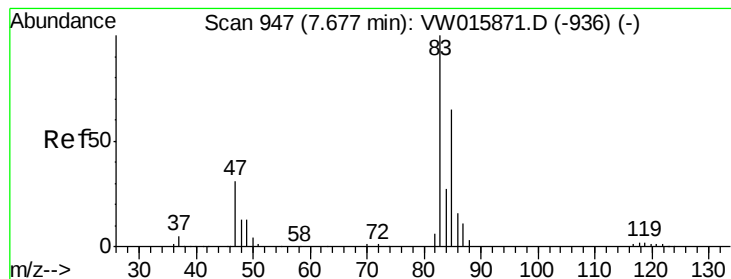
Bromochloromethane
Concen: 25.966 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion: 128 Resp: 74373
Ion Ratio Lower Upper
128 100
49 171.7 122.4 227.2
130 126.8 93.9 174.5
51 54.2 43.2 64.8



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: 25.909 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

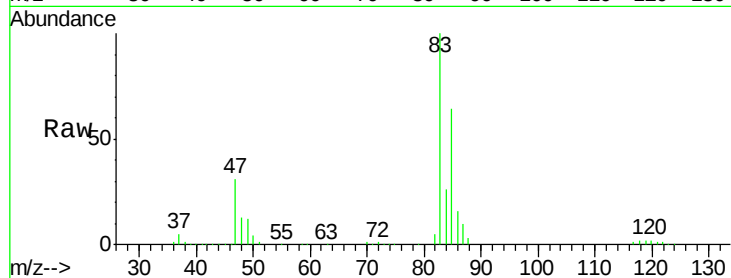
VSTD02528

Tgt Ion: 83 Resp: 295417

Ion Ratio Lower Upper

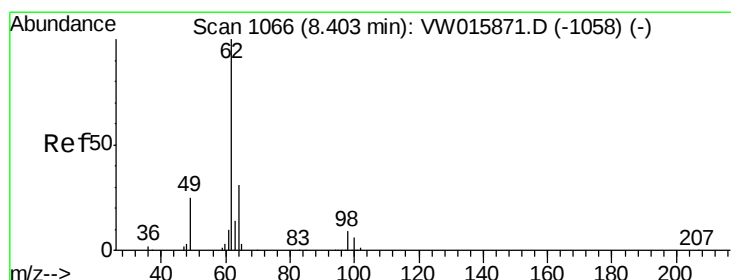
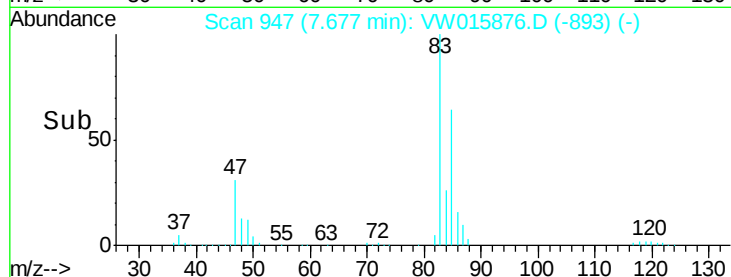
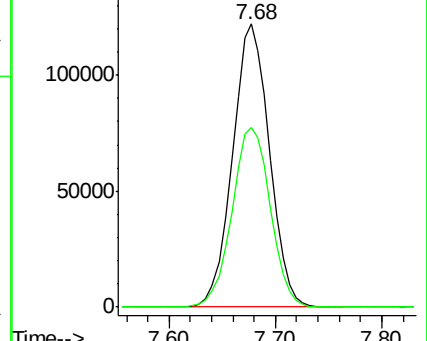
83 100

85 66.2 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 25.552 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015876.D

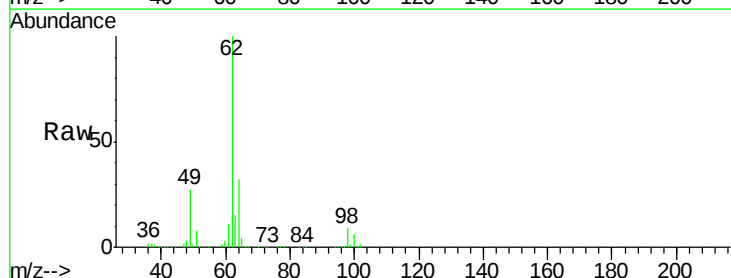
Acq: 21 Jul 2020 08:58

Tgt Ion: 62 Resp: 198251

Ion Ratio Lower Upper

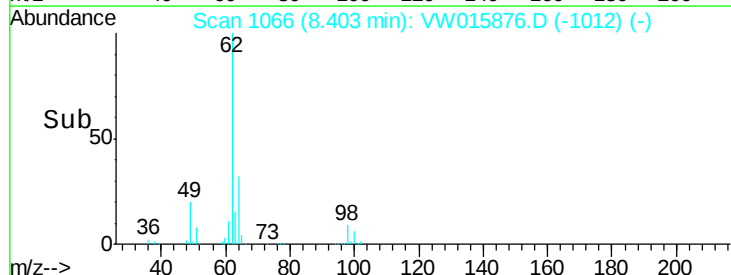
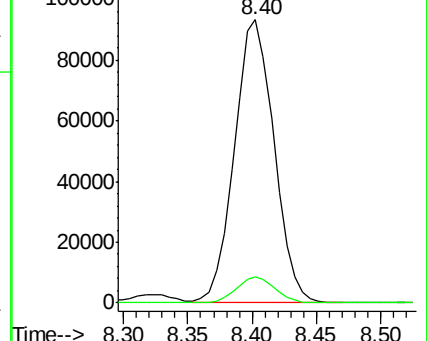
62 100

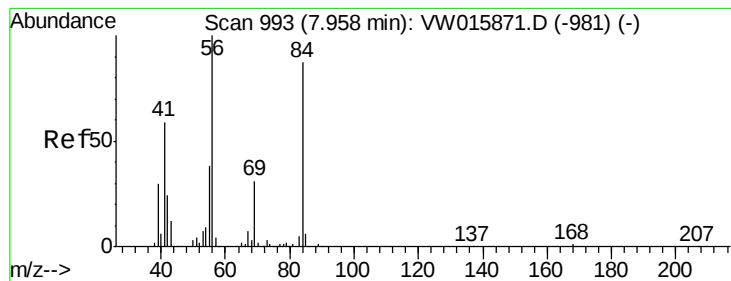
98 9.3 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 26.734 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

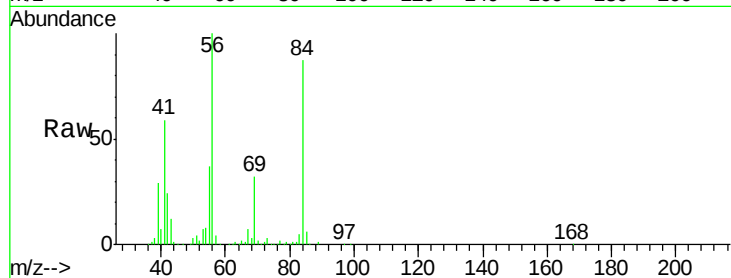
Tgt Ion: 56 Resp: 282715

Ion Ratio Lower Upper

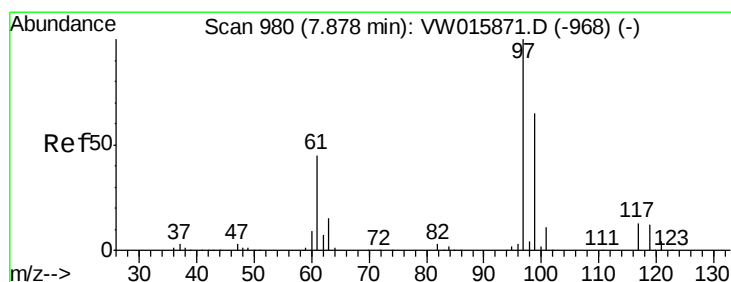
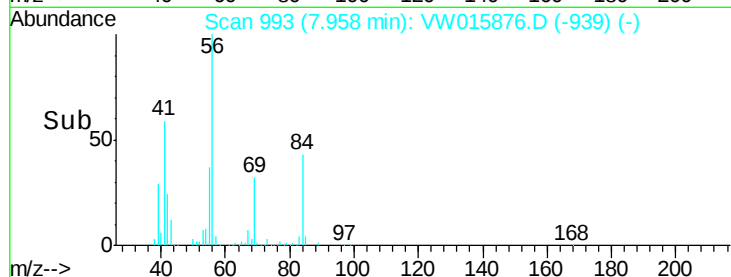
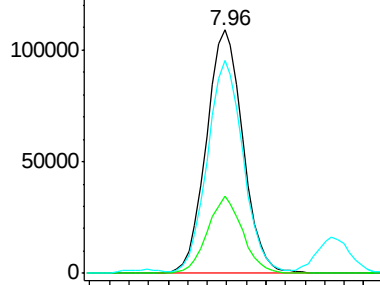
56 100

69 30.3 24.4 36.6

84 86.2 69.3 103.9



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: 26.618 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

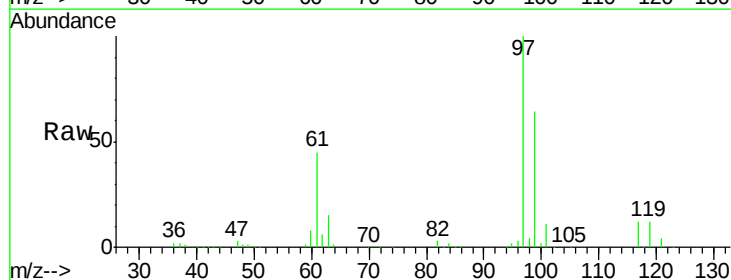
Tgt Ion: 97 Resp: 260668

Ion Ratio Lower Upper

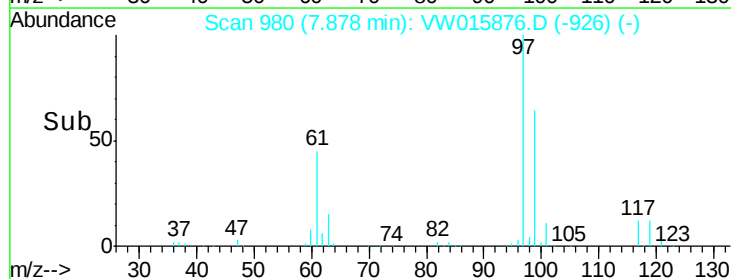
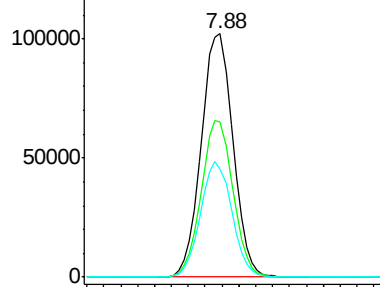
97 100

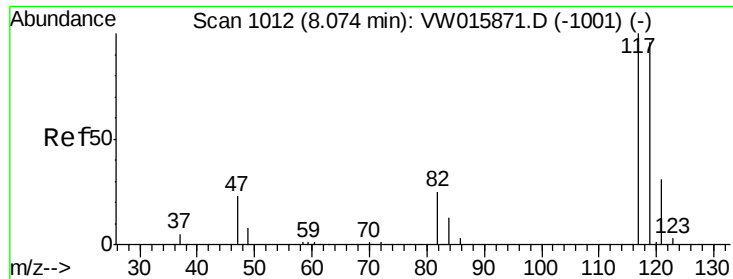
99 64.2 51.9 77.9

61 47.1 37.6 56.4



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: 26.118 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampled :

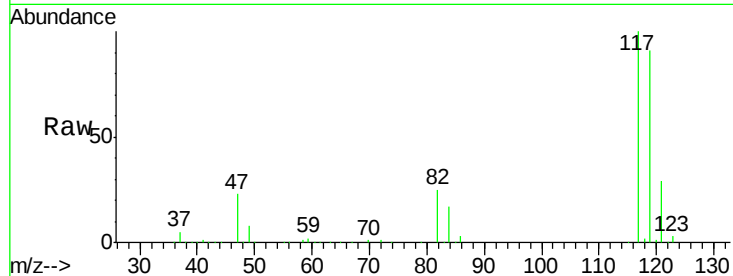
VSTD02528

Tgt Ion:117 Resp: 231937

Ion Ratio Lower Upper

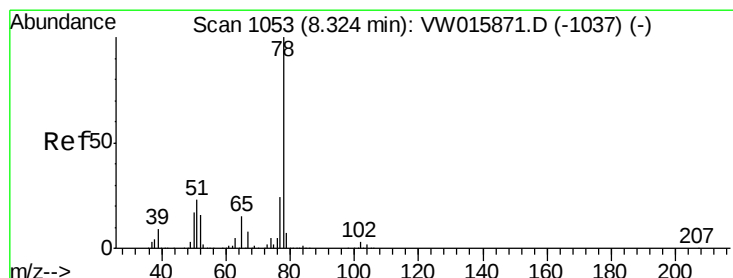
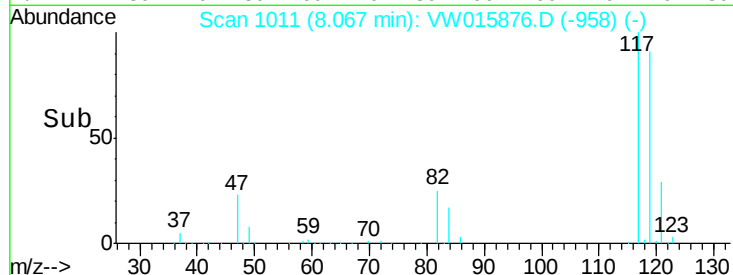
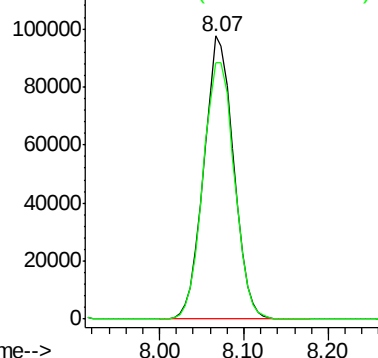
117 100

119 95.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.929 ug/L

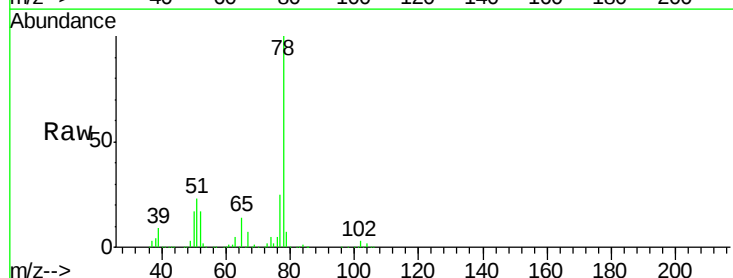
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

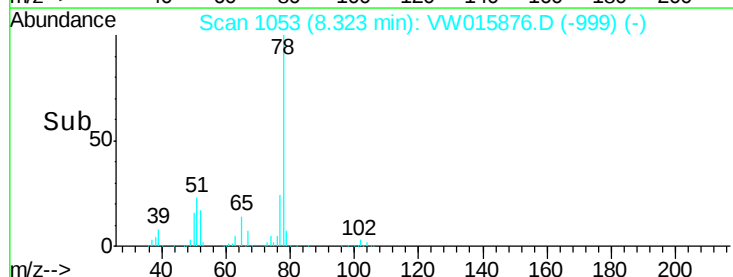
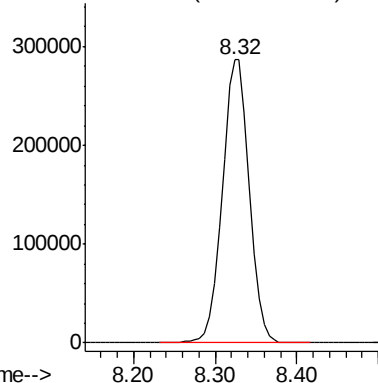
Lab File: VW015876.D

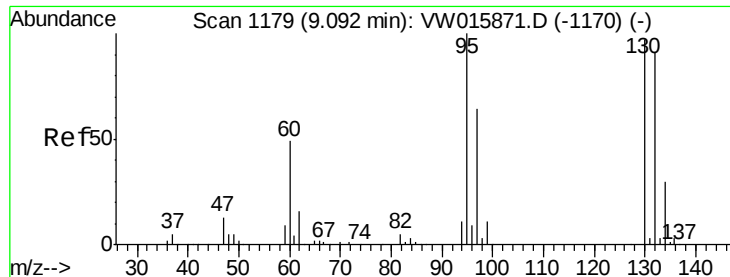
Acq: 21 Jul 2020 08:58

Tgt Ion: 78 Resp: 660464



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.574 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 95 Resp: 172324

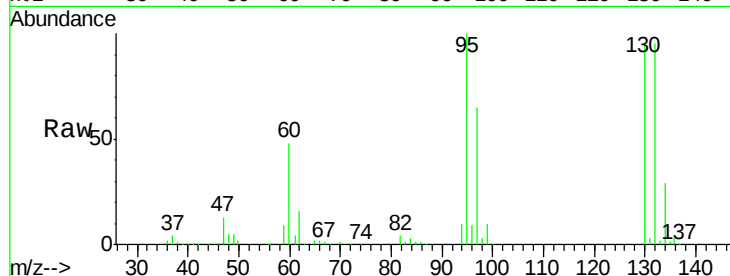
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 94.4 65.1 120.9

130 99.0 68.6 127.4

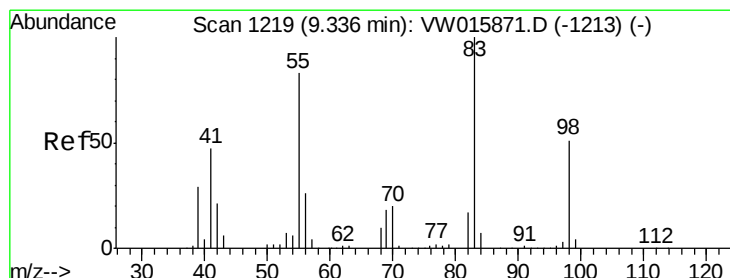
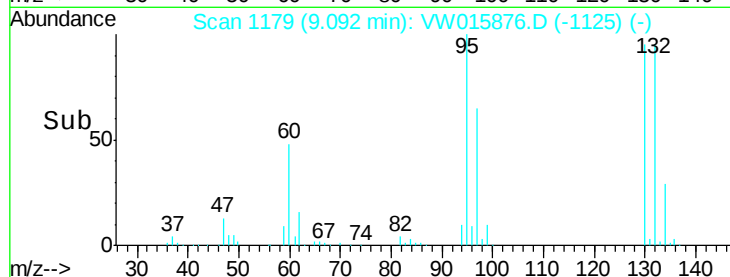
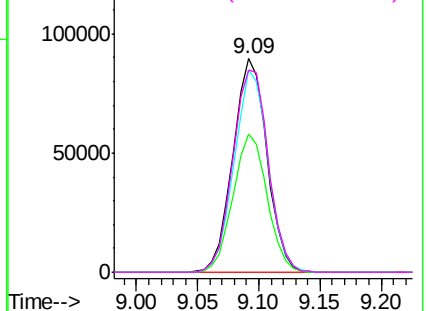


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.569 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

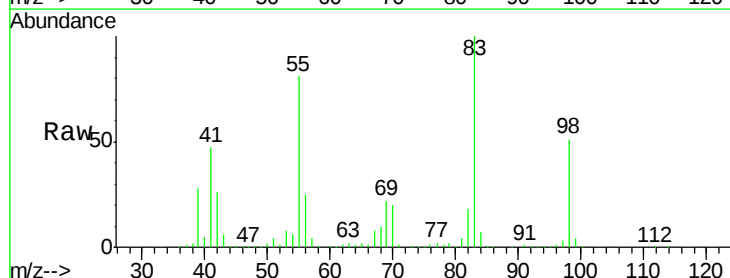
Tgt Ion: 83 Resp: 307188

Ion Ratio Lower Upper

83 100

55 78.4 63.5 95.3

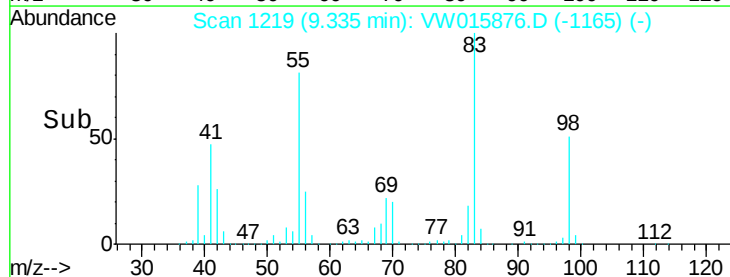
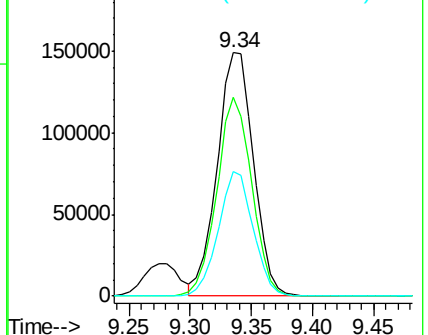
98 49.1 39.0 58.4

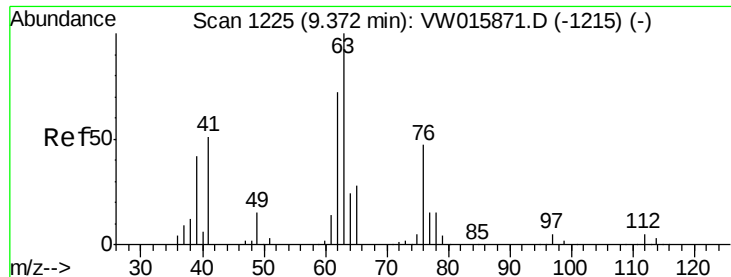


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

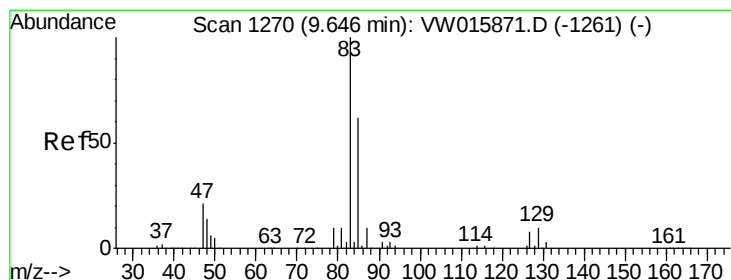
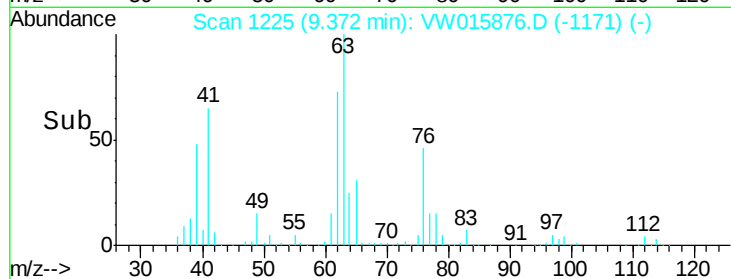
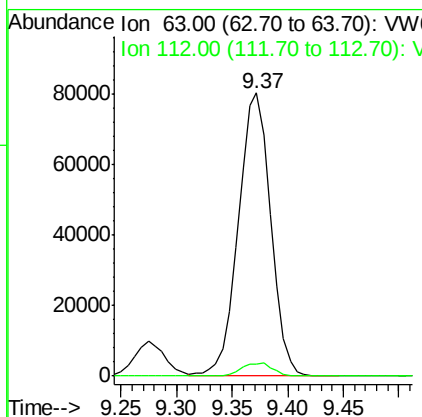
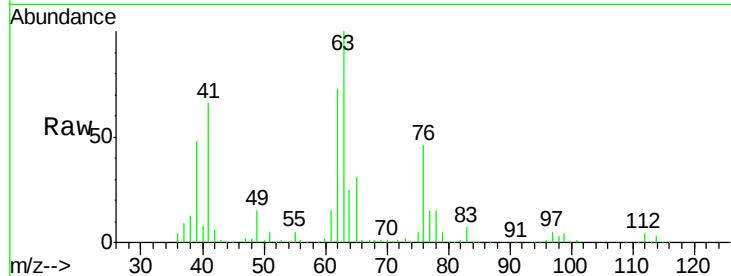




#40
 1,2-Dichloropropane
 Concen: 25.694 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

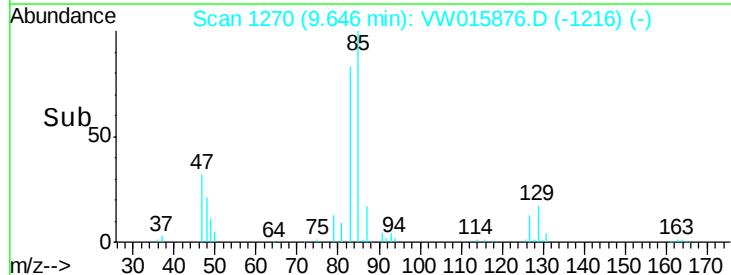
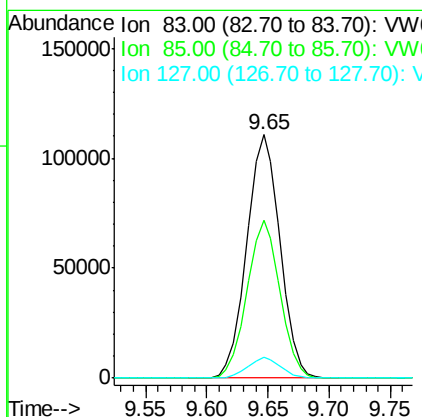
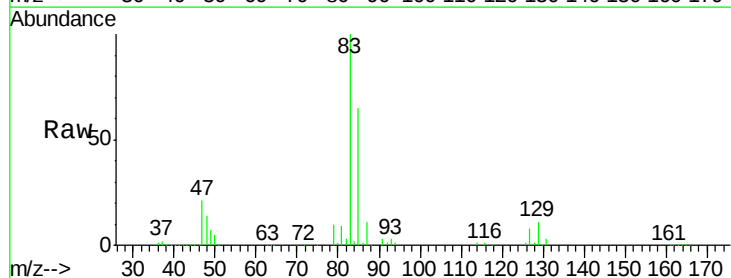
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

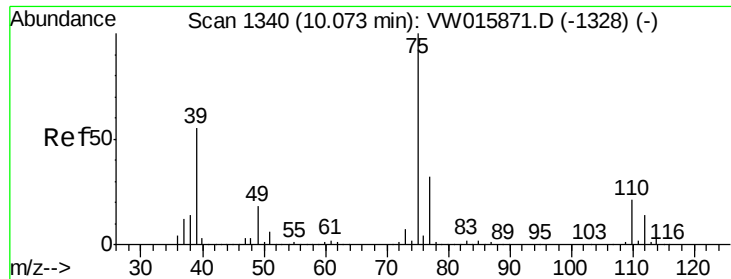
Tgt Ion: 63 Resp: 162139
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 25.710 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

Tgt Ion: 83 Resp: 209518
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.7 81.1
 127 8.5 6.5 9.7

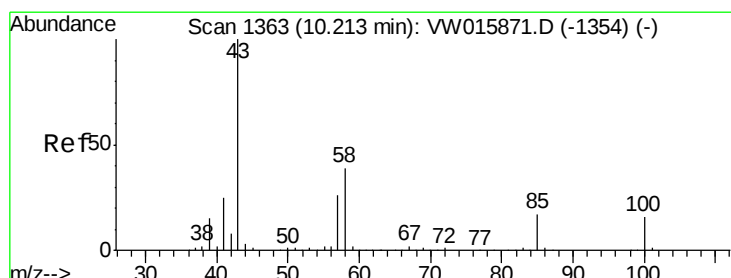
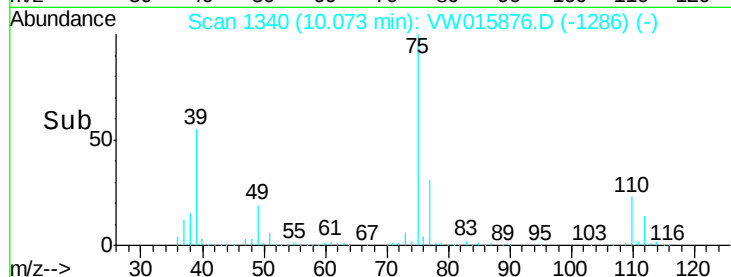
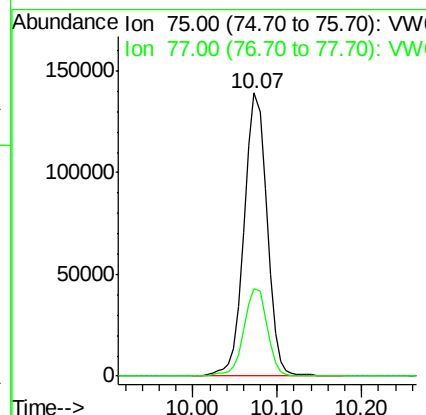
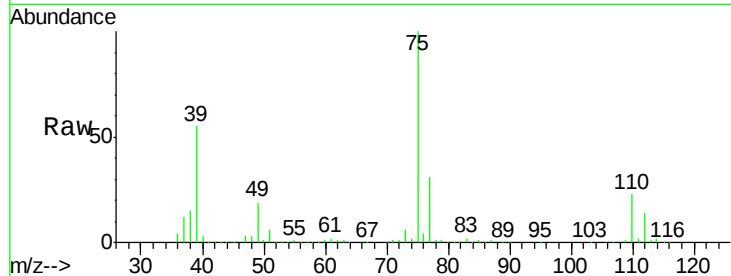




#42
 cis-1,3-Dichloropropene
 Concen: 26.445 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

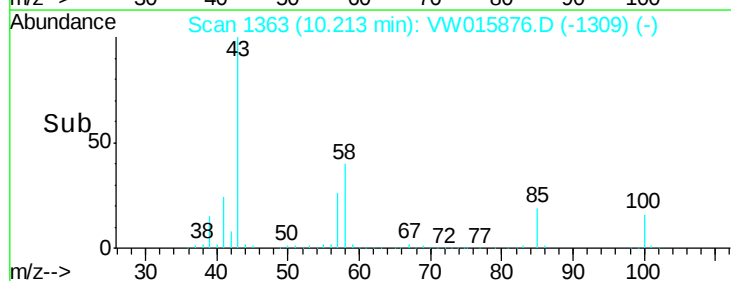
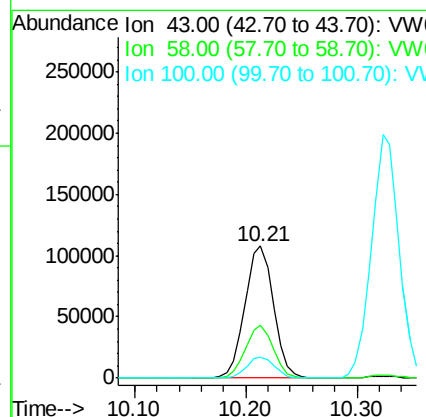
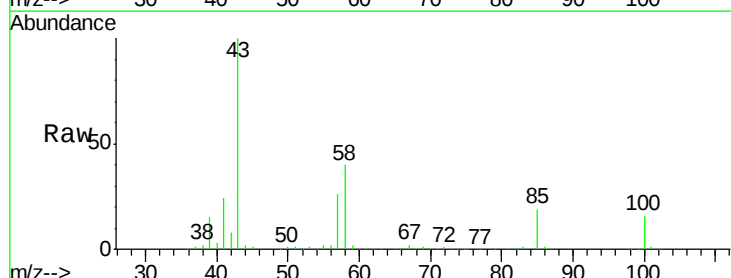
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

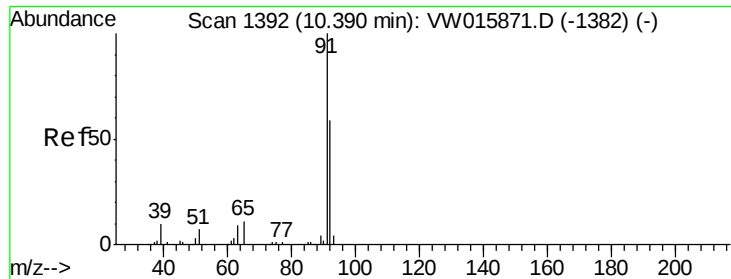
Tgt Ion: 75 Resp: 254157
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 52.440 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

Tgt Ion: 43 Resp: 193149
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.0 46.4
 100 15.7 12.6 19.0





#44

Toluene

Concen: 26.148 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

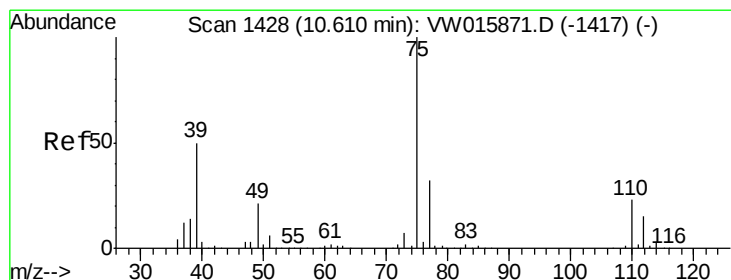
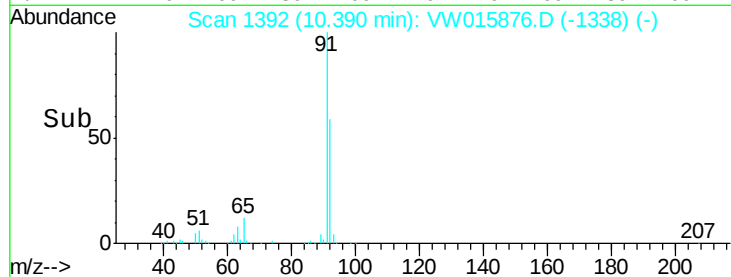
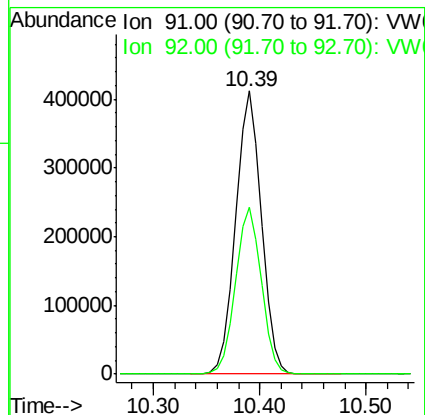
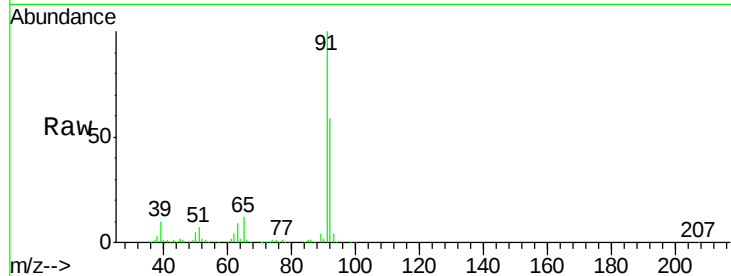
VSTD02528

Tgt Ion: 91 Resp: 698562

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 26.556 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015876.D

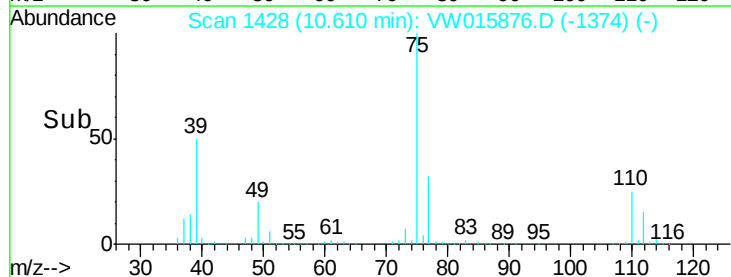
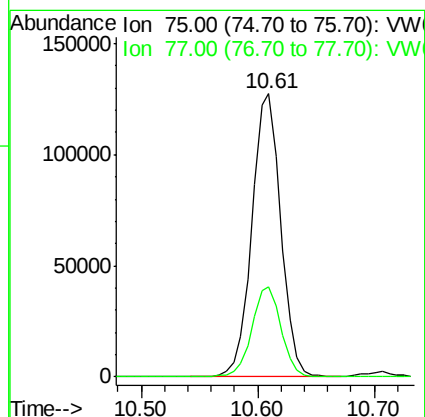
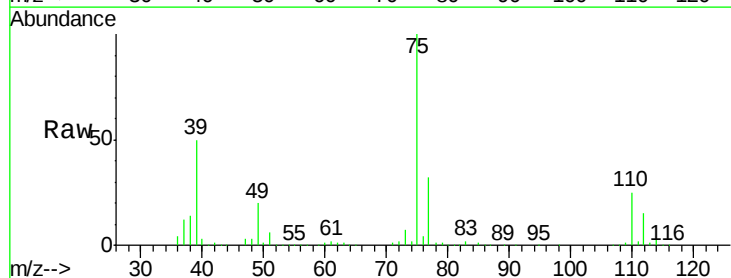
Acq: 21 Jul 2020 08:58

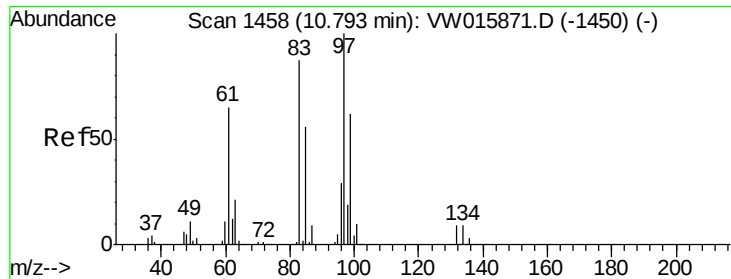
Tgt Ion: 75 Resp: 221219

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 25.287 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 97 Resp: 114744

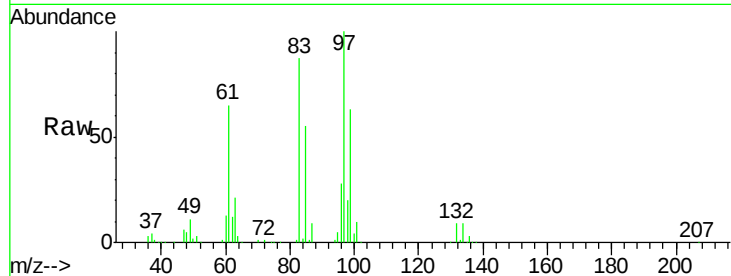
Ion Ratio Lower Upper

97 100

83 86.7 60.6 112.6

85 54.9 38.9 72.2

99 63.0 43.1 80.1

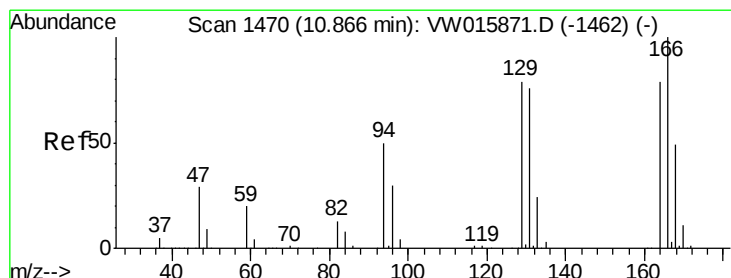
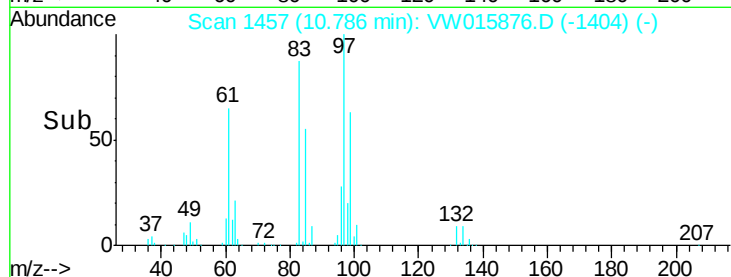
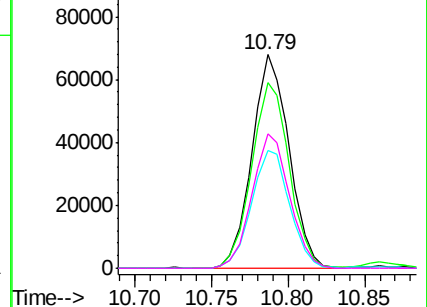


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.221 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Tgt Ion: 164 Resp: 131911

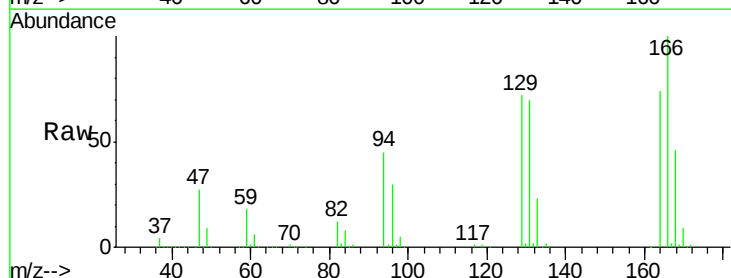
Ion Ratio Lower Upper

164 100

129 96.9 70.0 130.0

131 94.2 67.3 124.9

166 134.4 88.5 164.3

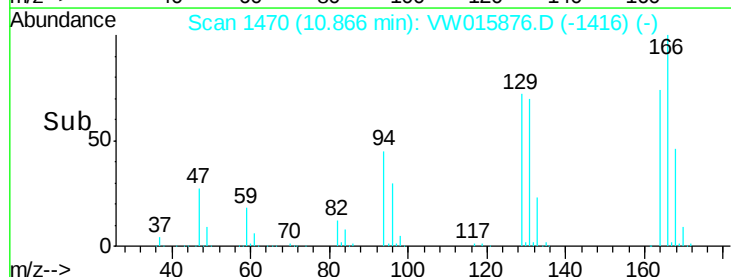
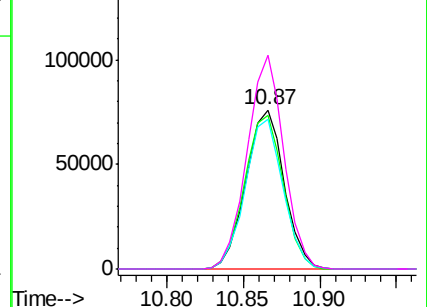


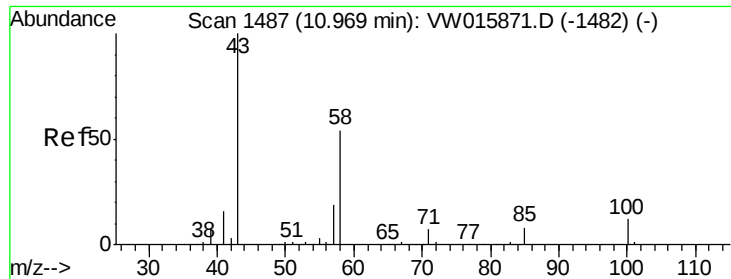
Abundance Ion 164.00 (163.70 to 164.70): V

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

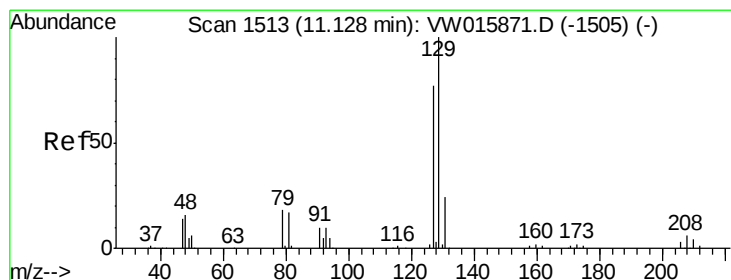
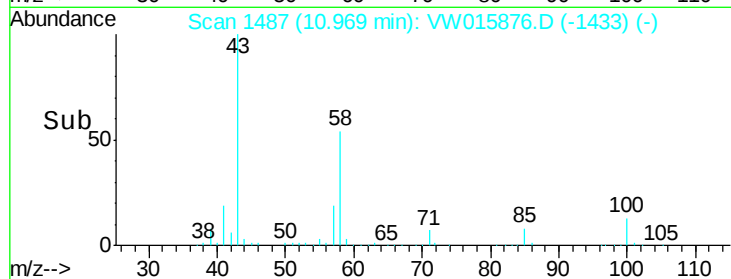
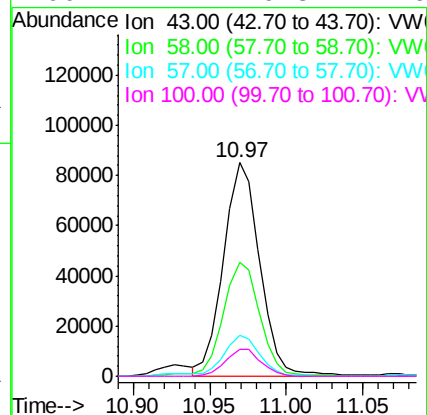
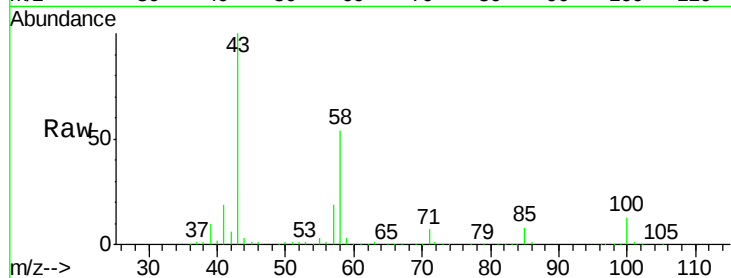




#49
2-Hexanone
Concen: 53.479 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

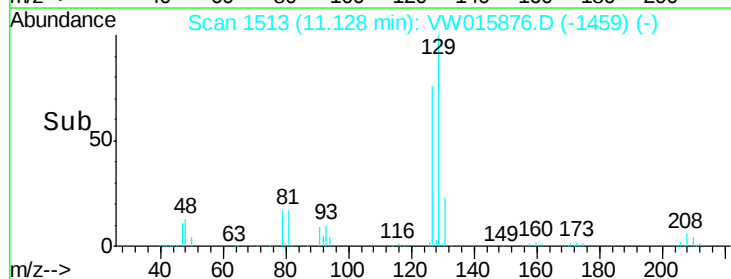
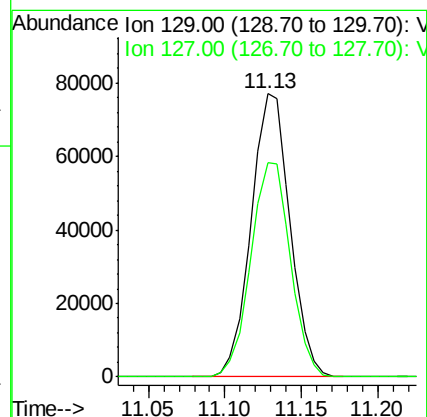
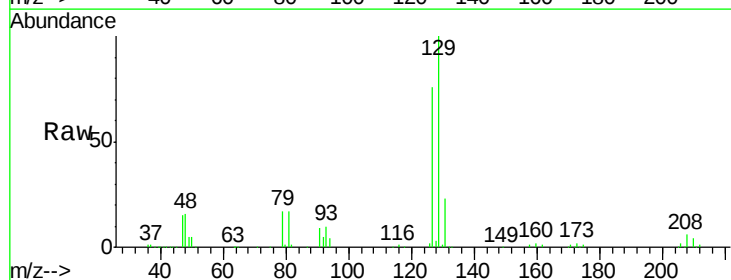
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

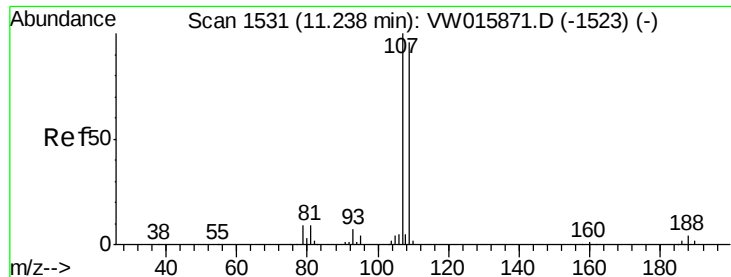
Tgt Ion: 43 Resp: 139781
Ion Ratio Lower Upper
43 100
58 53.9 42.4 63.6
57 19.0 15.6 23.4
100 12.7 9.8 14.6



#50
Dibromochloromethane
Concen: 25.976 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion: 129 Resp: 136467
Ion Ratio Lower Upper
129 100
127 75.5 53.8 100.0

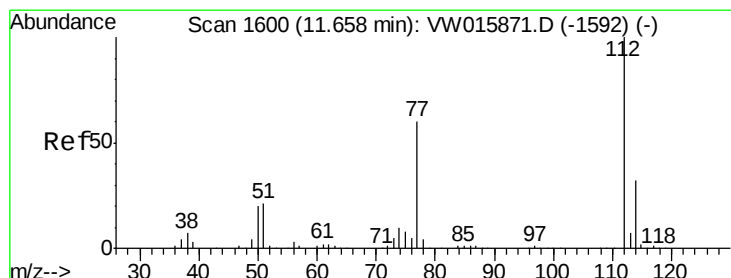
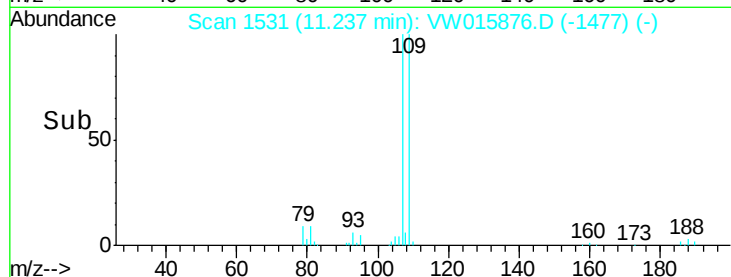
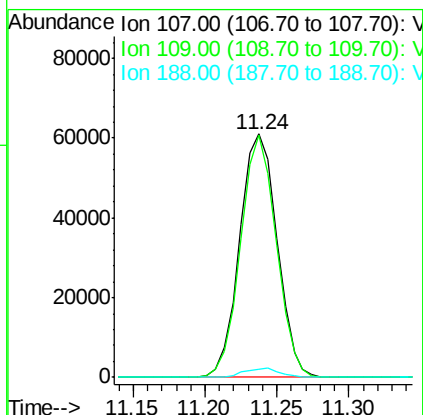
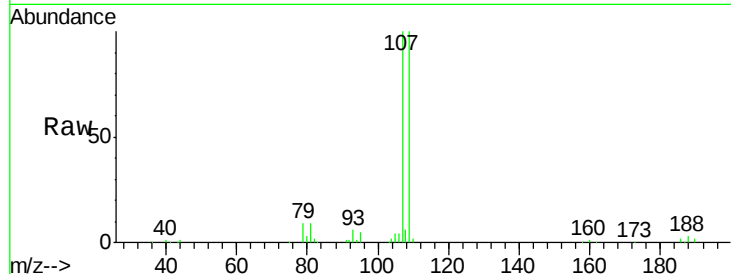




#51
1,2-Dibromoethane
Concen: 25.376 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

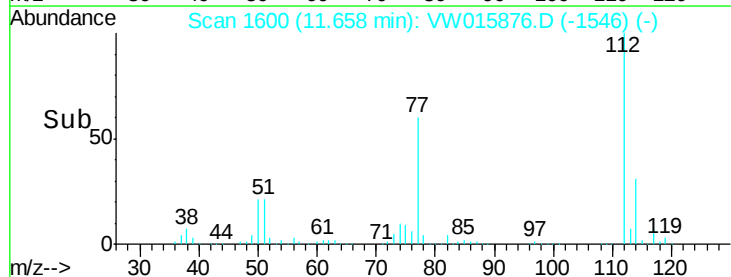
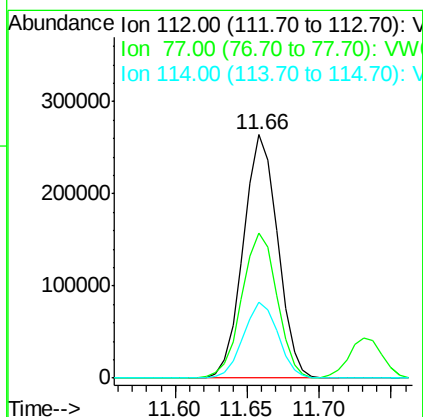
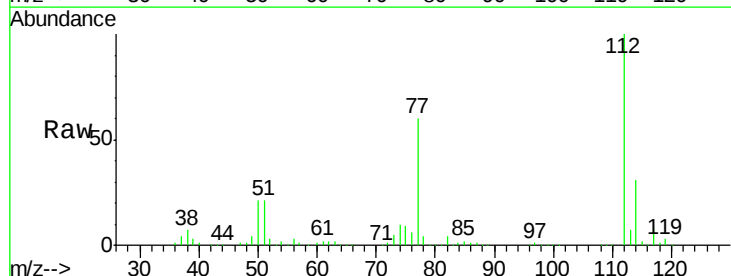
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

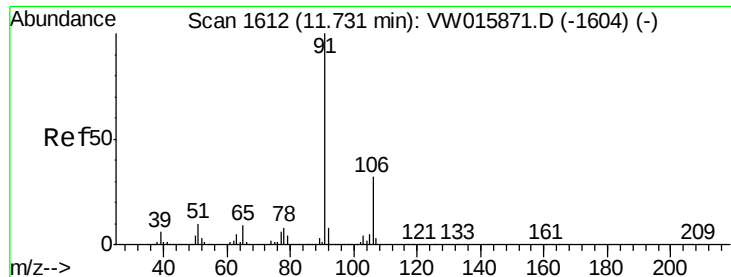
Tgt Ion:107 Resp: 110156
Ion Ratio Lower Upper
107 100
109 99.6 66.9 124.3
188 3.5 3.2 4.8



#52
Chlorobenzene
Concen: 25.511 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion:112 Resp: 436725
Ion Ratio Lower Upper
112 100
77 59.6 47.8 71.6
114 31.2 22.1 41.1

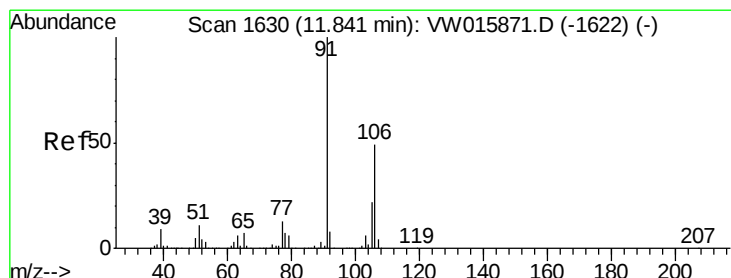
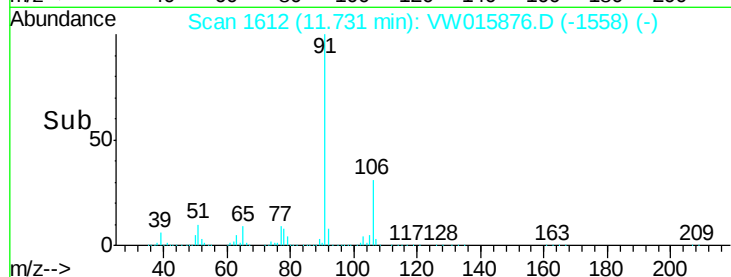
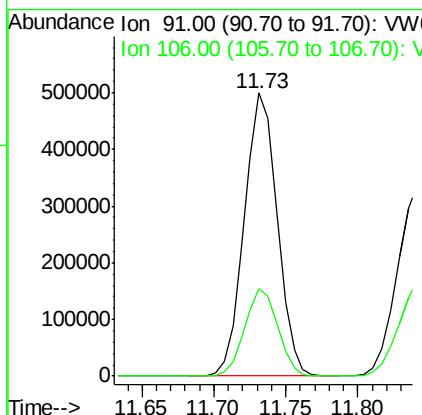
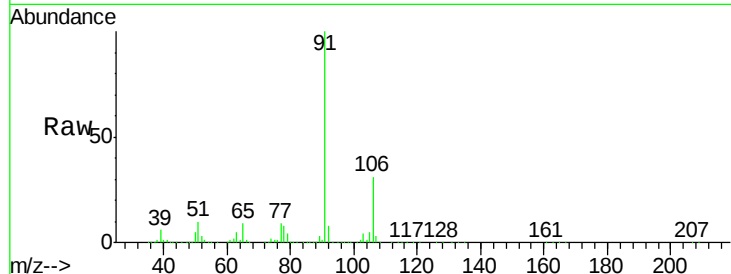




#53
Ethylbenzene
Concen: 26.293 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

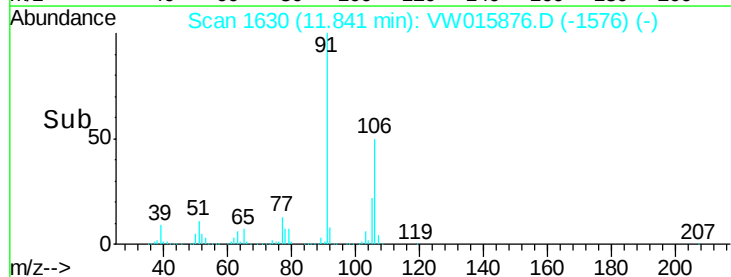
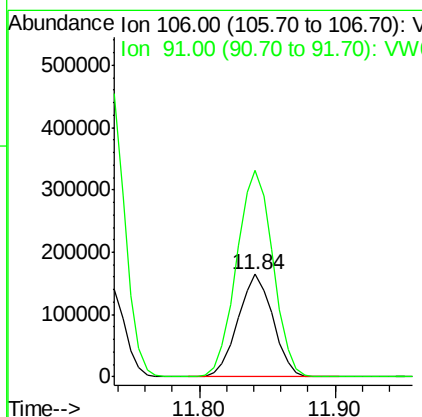
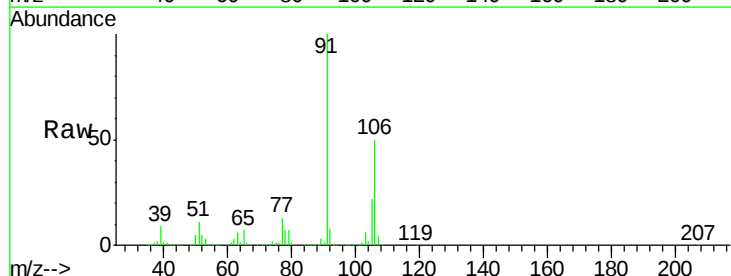
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

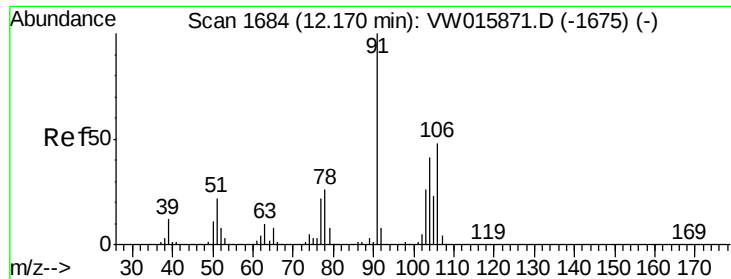
Tgt Ion: 91 Resp: 789875
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#54
m,p-Xylene
Concen: 26.336 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion: 106 Resp: 295998
Ion Ratio Lower Upper
106 100
91 201.4 144.1 267.5

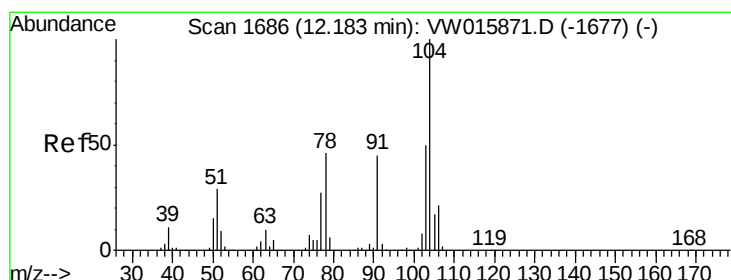
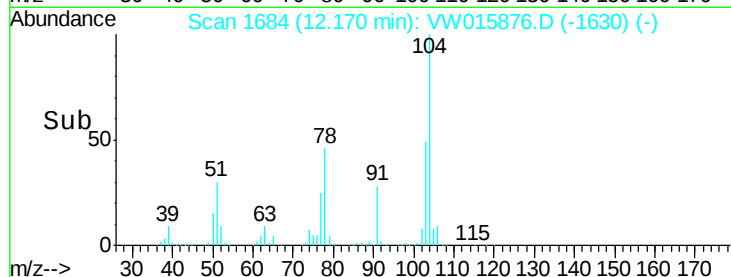
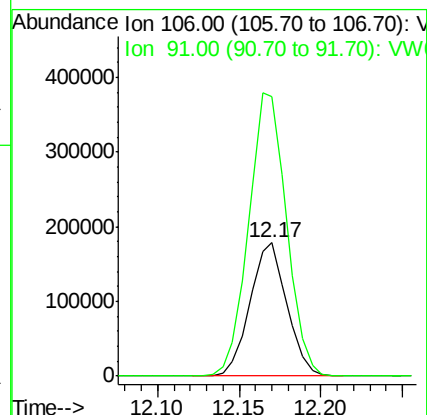
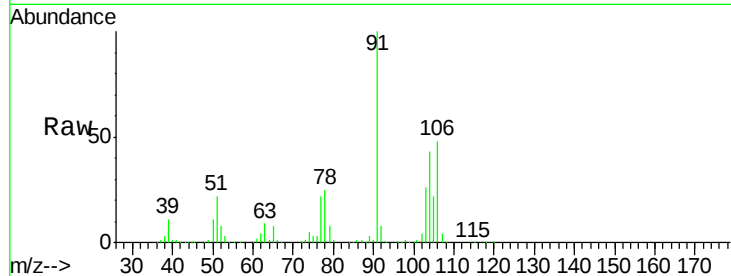




#55
o-xylene
Concen: 26.384 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

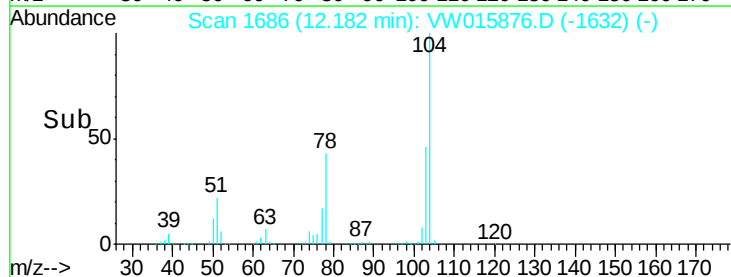
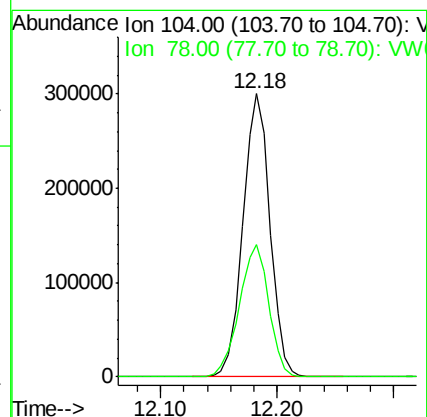
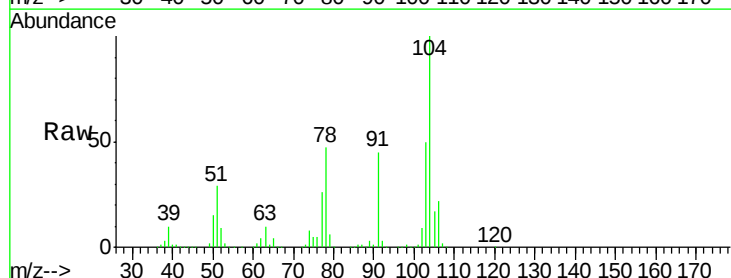
Instrument :
MSVOA_W
ClientSampled :
VSTD02528

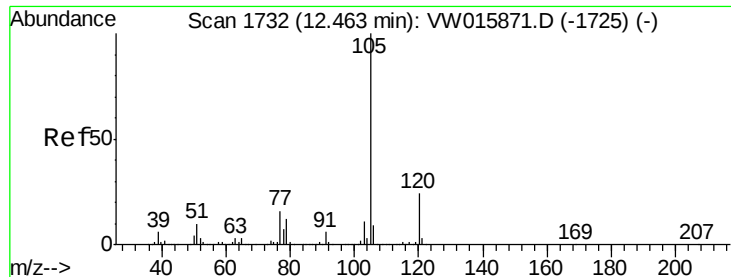
Tgt Ion:106 Resp: 279234
Ion Ratio Lower Upper
106 100
91 210.2 146.8 272.6



#56
Styrene
Concen: 26.946 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015876.D
Acq: 21 Jul 2020 08:58

Tgt Ion:104 Resp: 484970
Ion Ratio Lower Upper
104 100
78 46.8 32.0 59.4





#57

Isopropylbenzene

Concen: 27.077 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

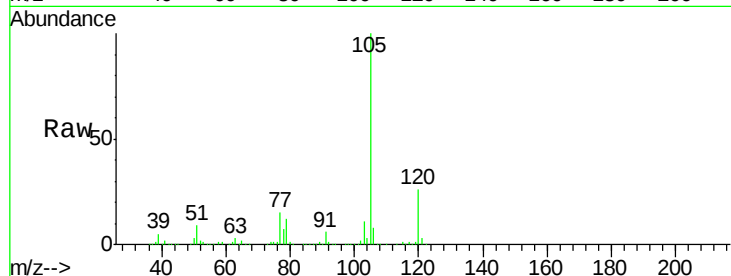
Tgt Ion: 105 Resp: 780084

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

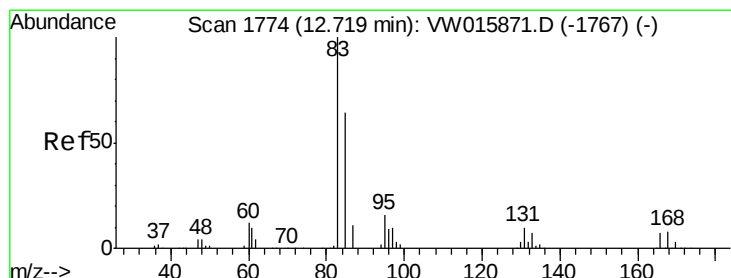
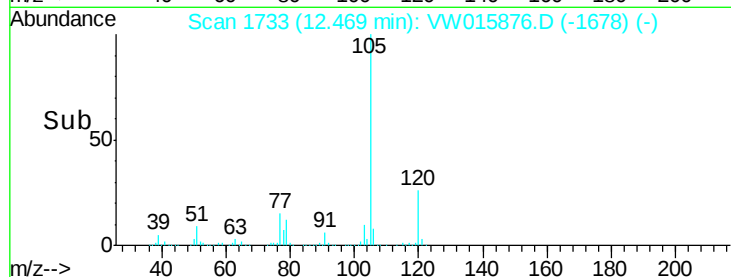
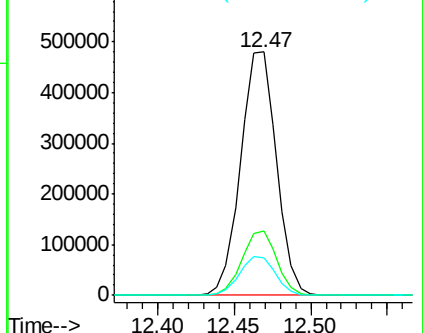
77 15.9 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.868 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

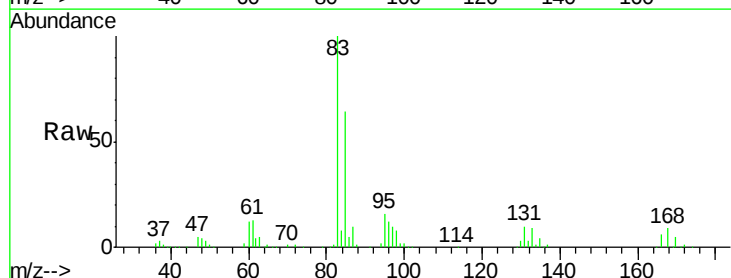
Tgt Ion: 83 Resp: 137836

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

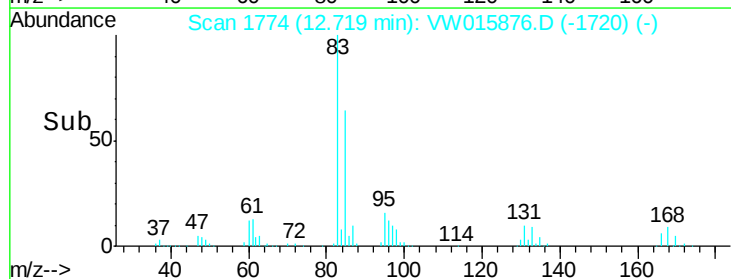
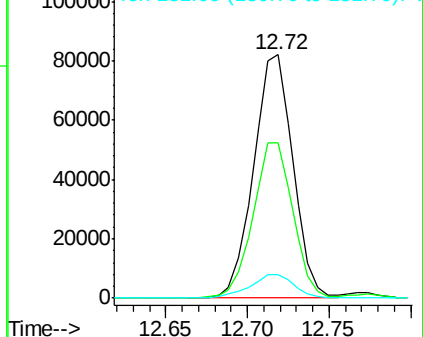
131 9.7 8.2 12.4

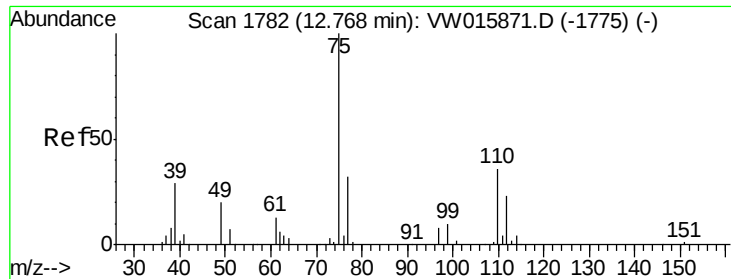


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.730 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

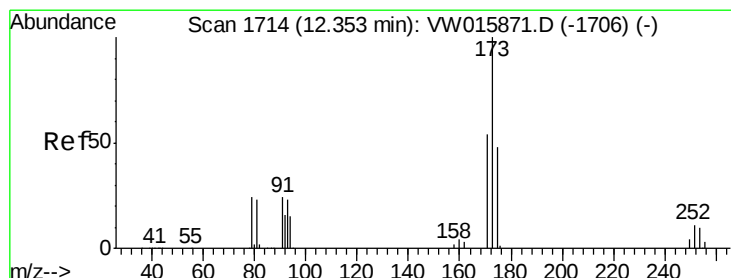
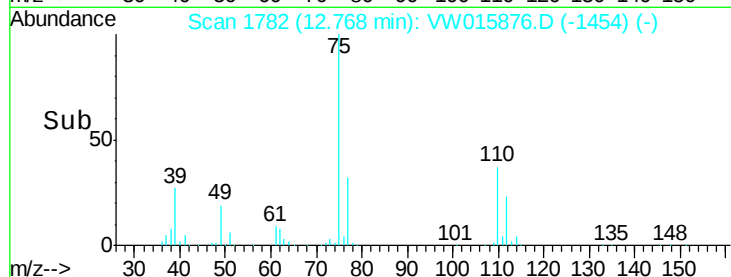
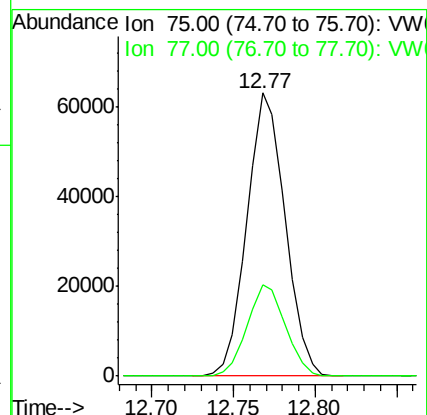
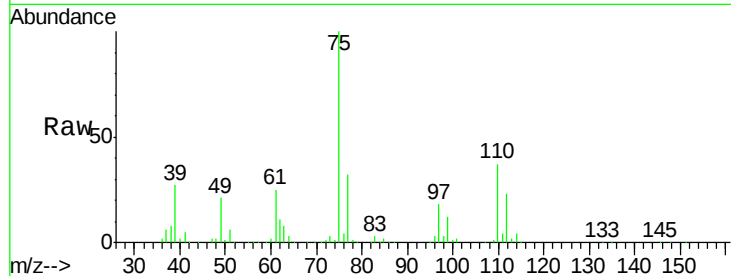
VSTD02528

Tgt Ion: 75 Resp: 102723

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#62

Bromoform

Concen: 25.633 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

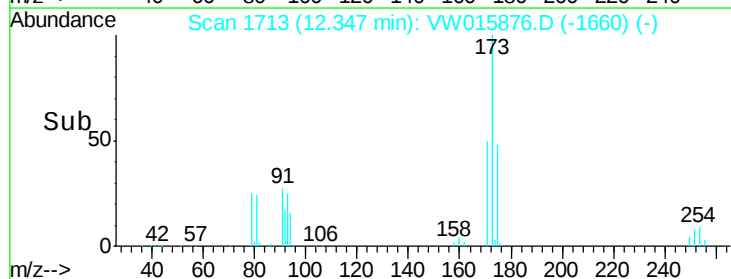
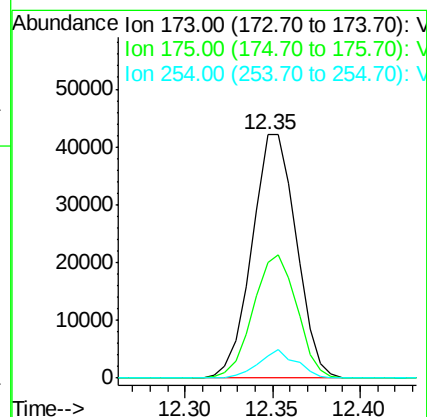
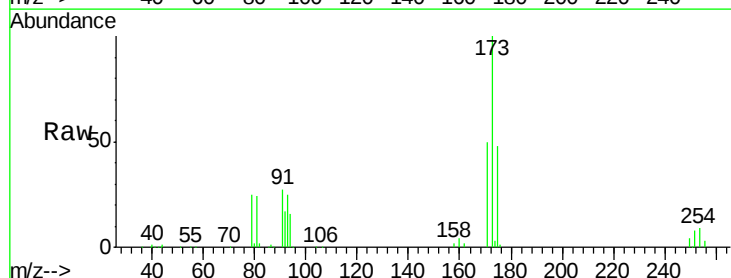
Tgt Ion: 173 Resp: 74491

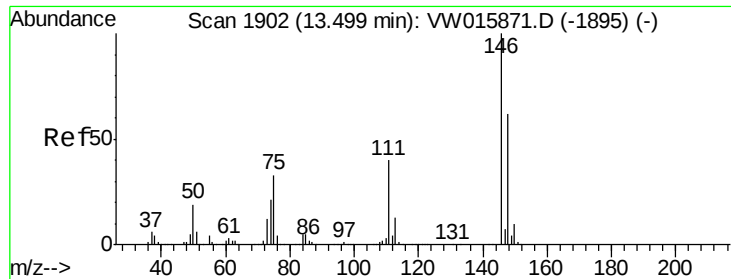
Ion Ratio Lower Upper

173 100

175 49.8 38.7 58.1

254 10.0 7.9 11.9

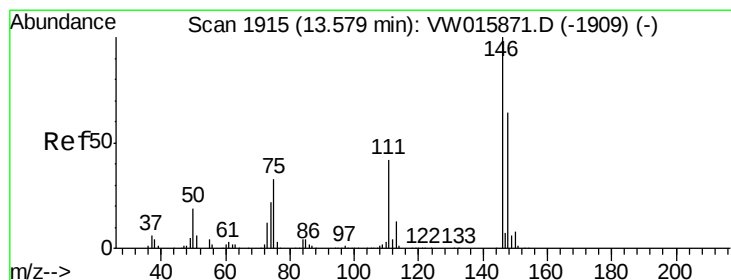
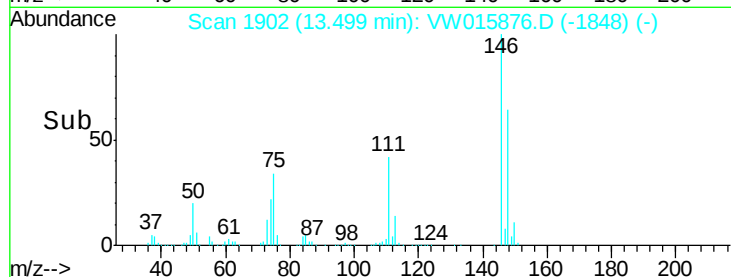
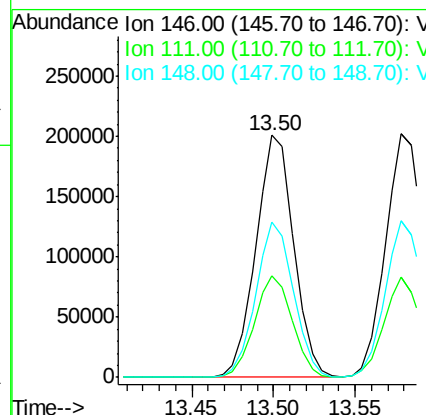
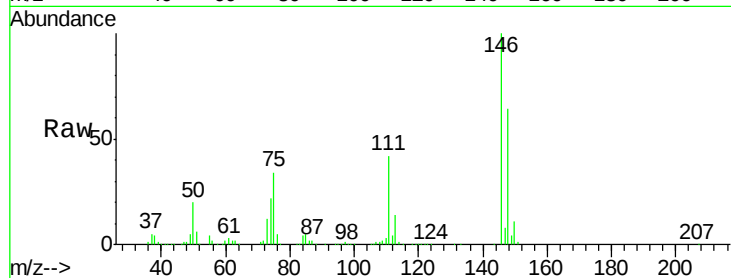




#63
 1,3-Dichlorobenzene
 Concen: 25.602 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

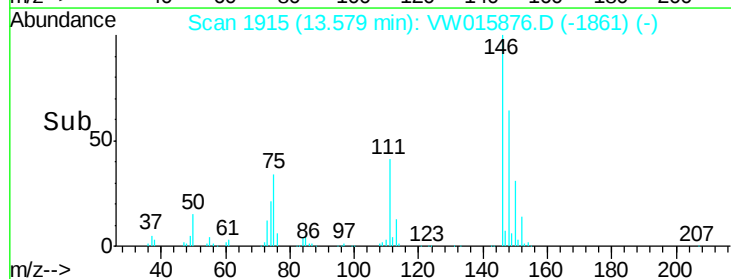
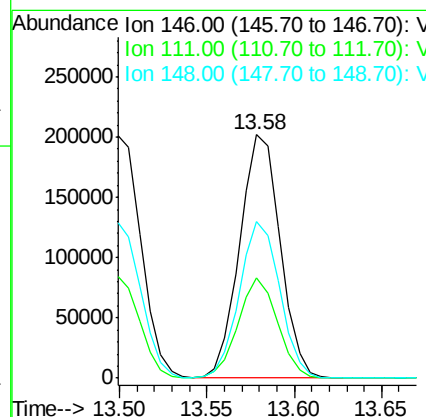
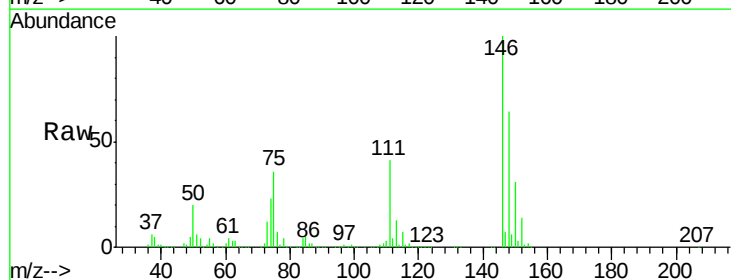
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

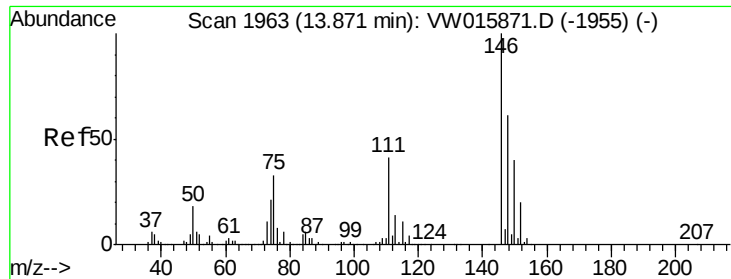
Tgt Ion:146 Resp: 323689
 Ion Ratio Lower Upper
 146 100
 111 41.8 27.9 51.7
 148 64.4 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.386 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

Tgt Ion:146 Resp: 325743
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.3
 148 64.1 44.5 82.7

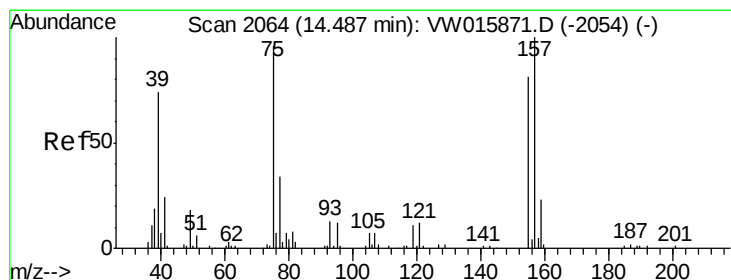
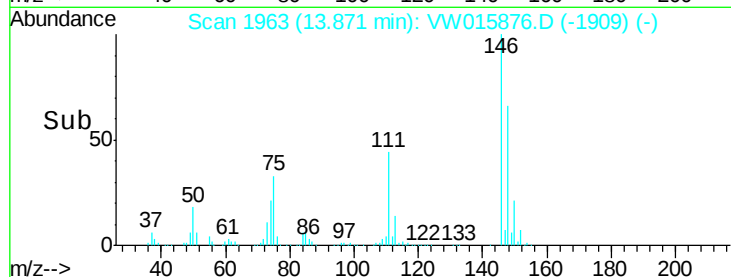
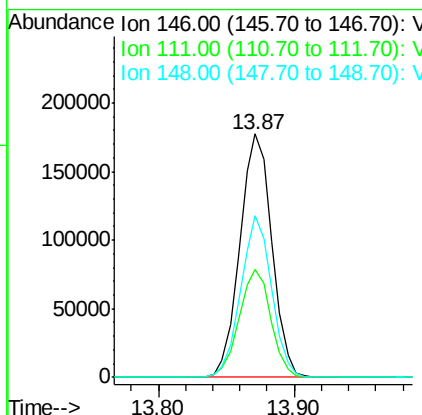
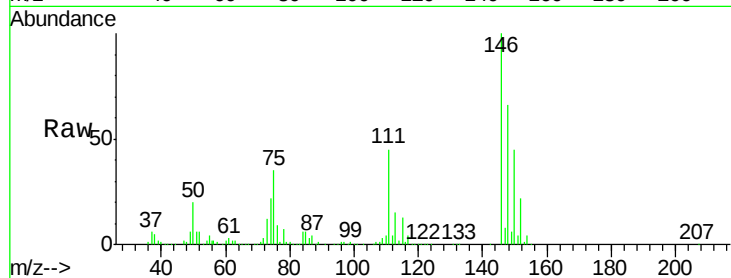




#65
 1,2-Dichlorobenzene
 Concen: 25.301 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

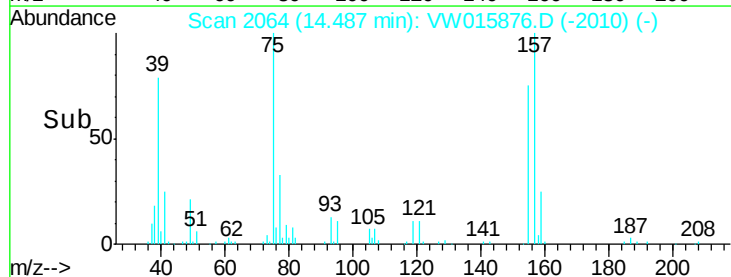
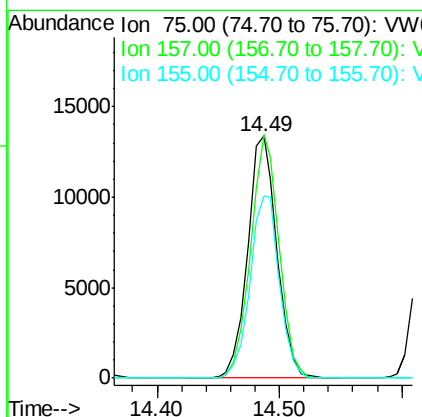
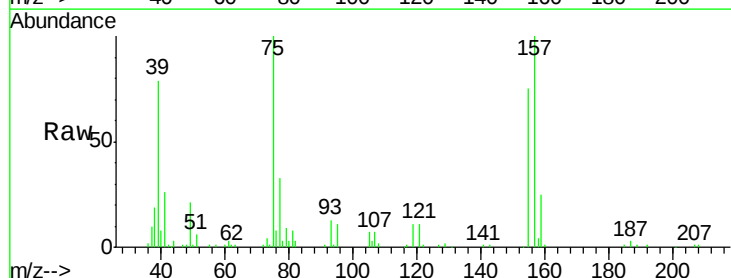
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

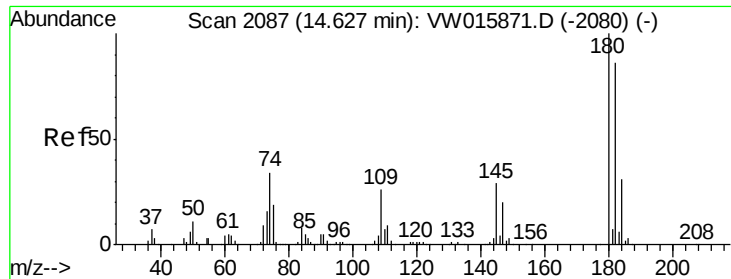
Tgt Ion: 146 Resp: 290564
 Ion Ratio Lower Upper
 146 100
 111 44.6 32.9 49.3
 148 66.3 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.648 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

Tgt Ion: 75 Resp: 22170
 Ion Ratio Lower Upper
 75 100
 157 100.5 83.0 124.4
 155 75.2 66.9 100.3

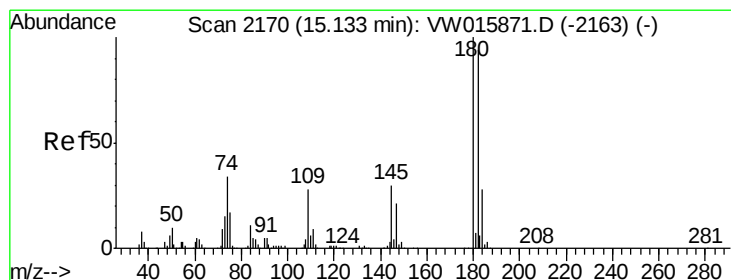
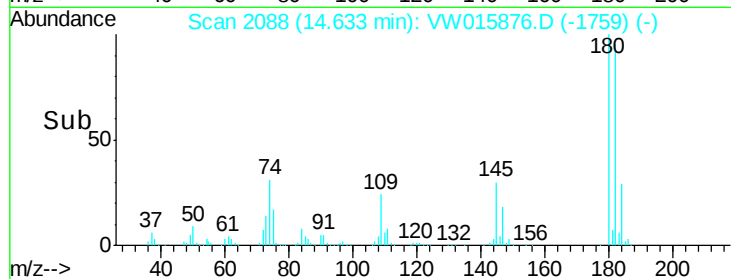
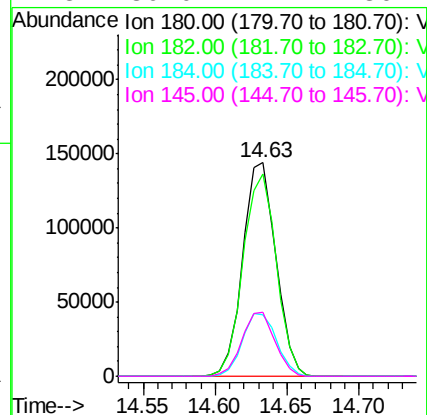
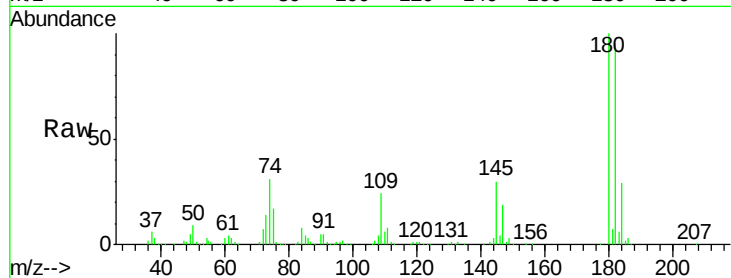




#67
 1,3,5-Trichlorobenzene
 Concen: 25.937 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

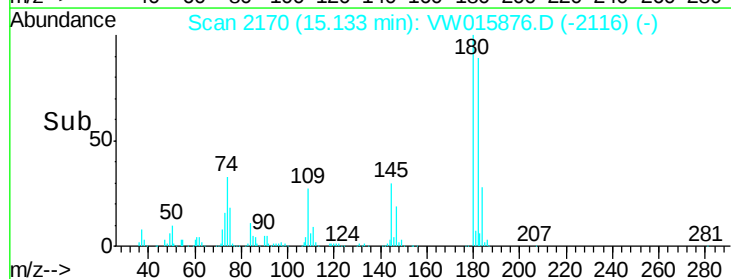
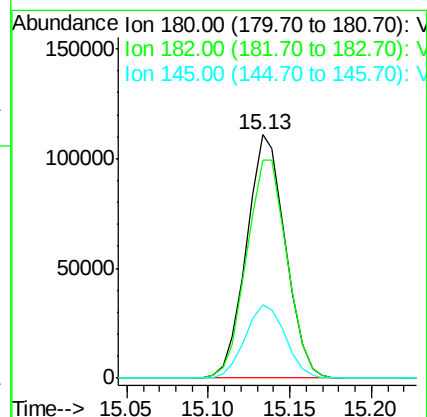
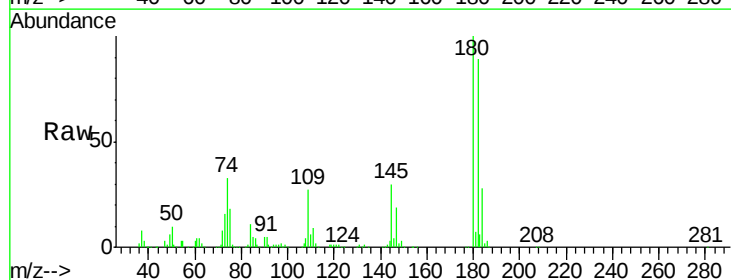
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

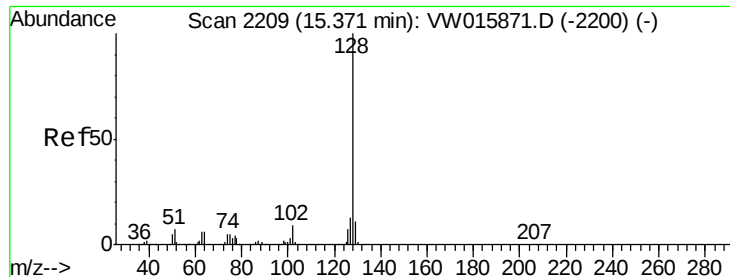
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	30.4	24.6	37.0
145	30.0	24.1	36.1



#68
 1,2,4-trichlorobenzene
 Concen: 26.043 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015876.D
 Acq: 21 Jul 2020 08:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.0	114.0
145	30.9	24.3	36.5





#69

Naphthalene

Concen: 26.256 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

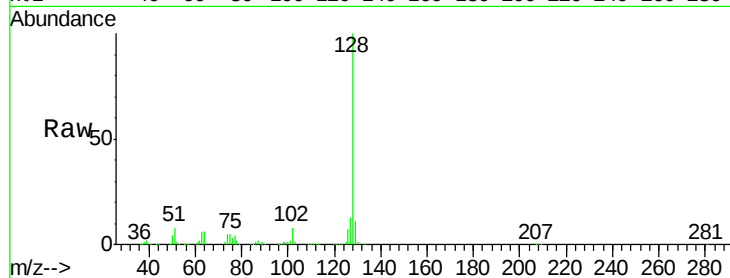
Tgt Ion:128 Resp: 349276

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

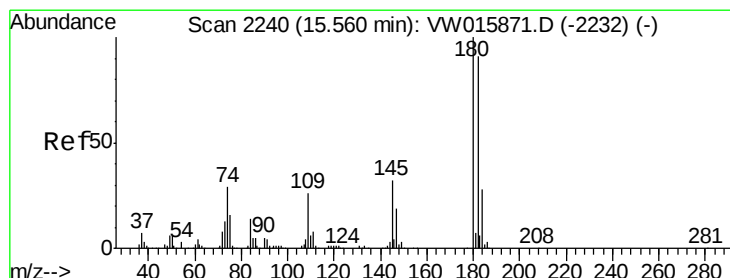
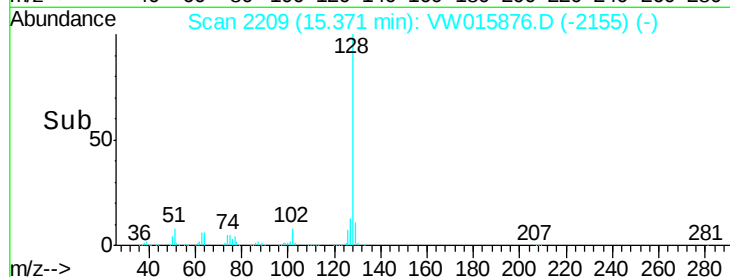
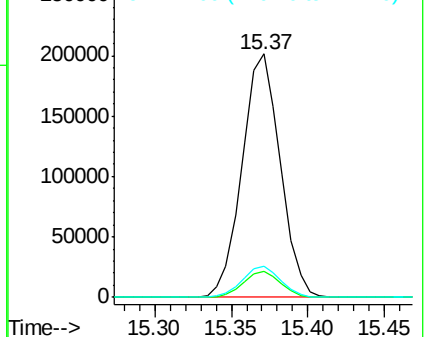
127 12.9 10.5 15.7



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: 25.105 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015876.D

Acq: 21 Jul 2020 08:58

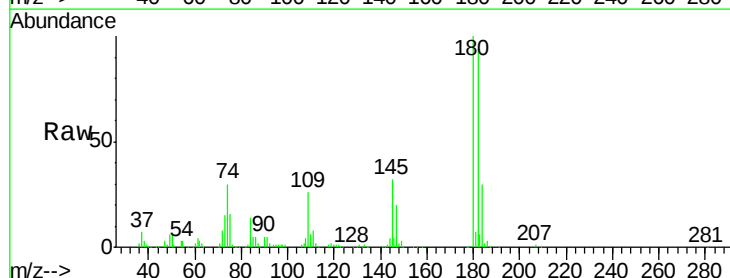
Tgt Ion:180 Resp: 157951

Ion Ratio Lower Upper

180 100

182 97.1 74.0 111.0

145 32.4 25.9 38.9



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

