

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072220\
 Data File : VW015915.D
 Acq On : 22 Jul 2020 20:17
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Jul 23 03:07:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 03:03:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	389867	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367334	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171713	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	115408	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	2.89	69	102480	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
10) 1,1-Dichloroethene-d2	4.02	63	248052	22.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.20%
20) 2-Butanone-d5	7.09	46	91032	62.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.98%
24) Chloroform-d	7.65	84	257527	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.31	65	144098	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.88%
29) Benzene-d6	8.27	84	500068	22.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.48%
33) 1,2-Dichloropropane-d6	9.27	67	149571	22.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.24%
37) Toluene-d8	10.32	98	451049	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.08%
38) trans-1,3-Dichloropropene-	10.58	79	61339	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.88%
39) 2-Hexanone-d5	10.93	63	69656	62.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140509	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	152892	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	86268	26.150	ug/L 97
3) Chloromethane	2.21	50	103886	26.037	ug/L 98
5) Vinyl chloride	2.37	62	150955	24.530	ug/L 99
6) Bromomethane	2.78	94	91328	24.876	ug/L 99
8) Chloroethane	2.93	64	92262	25.593	ug/L 96
9) Trichlorofluoromethane	3.26	101	107945	26.096	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	129037	25.519	ug/L 98
12) 1,1-Dichloroethene	4.04	96	126185	25.178	ug/L 98
13) Acetone	4.12	43	63339	52.193	ug/L 96
14) Carbon disulfide	4.38	76	379628	23.985	ug/L 99
15) Methyl Acetate	4.68	43	72796	31.814	ug/L 99
16) Methylene chloride	4.92	84	145052	22.706	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	202801	28.616	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	131684	24.882	ug/L 97
19) 1,1-Dichloroethane	6.22	63	247996	25.429	ug/L 98
21) 2-Butanone	7.18	43	96874	64.554	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	142711	25.774	ug/L 99

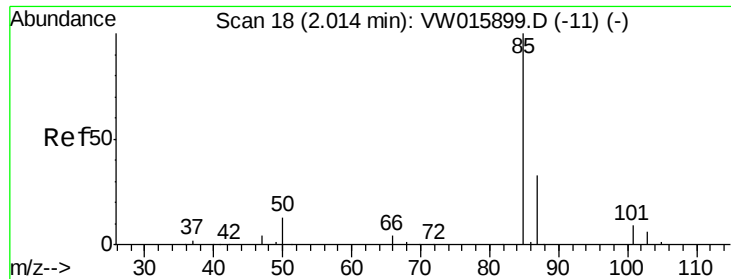
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072220\
 Data File : VW015915.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 03:03:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65367	26.922	ug/L	94
25) Chloroform	7.68	83	250589	25.926	ug/L	98
27) 1,2-Dichloroethane	8.40	62	173458	26.374	ug/L	99
30) Cyclohexane	7.96	56	218745	23.617	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	207409	24.181	ug/L	99
32) Carbon tetrachloride	8.07	117	186098	23.927	ug/L	99
34) Benzene	8.33	78	555171	24.884	ug/L	100
35) Trichloroethene	9.09	95	140885	23.871	ug/L	99
36) Methylcyclohexane	9.34	83	245295	24.222	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139980	25.327	ug/L	100
41) Bromodichloromethane	9.65	83	176412	24.715	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	206195	24.495	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	204210	63.301	ug/L	99
44) Toluene	10.39	91	582732	24.904	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	185947	25.485	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	106425	26.777	ug/L	99
47) Tetrachloroethene	10.87	164	110426	24.105	ug/L	92
49) 2-Hexanone	10.97	43	144229	63.001	ug/L	99
50) Dibromochloromethane	11.13	129	118720	25.801	ug/L	100
51) 1,2-Dibromoethane	11.24	107	104514	27.489	ug/L	99
52) Chlorobenzene	11.66	112	374048	24.947	ug/L	99
53) Ethylbenzene	11.73	91	657500	24.988	ug/L	99
54) m,p-Xylene	11.84	106	247116	25.102	ug/L	97
55) o-xylene	12.17	106	235486	25.404	ug/L	98
56) Styrene	12.18	104	409389	25.970	ug/L	100
57) Isopropylbenzene	12.47	105	638631	25.309	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	137705	29.506	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	104216	29.803	ug/L	100
62) Bromoform	12.35	173	70601	27.950	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	274983	25.021	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	273372	24.510	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	258088	25.854	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	23904	31.814	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	185511	24.007	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	150638	24.542	ug/L	97
69) Naphthalene	15.37	128	347117	30.019	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	145835	26.666	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 26.150 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

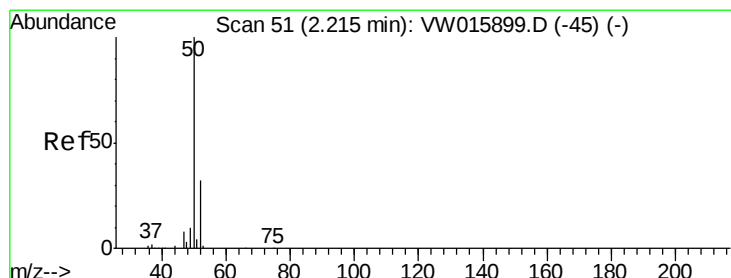
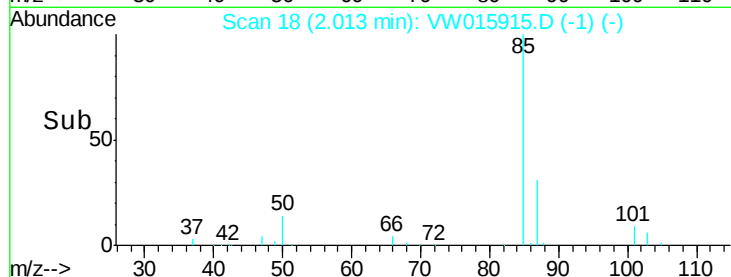
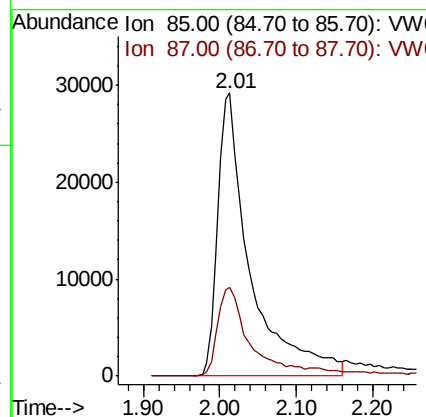
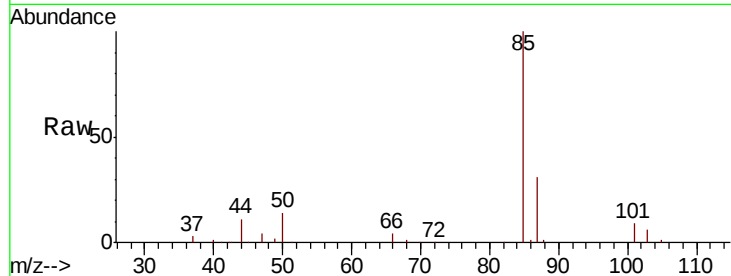
VSTD02508

Tot Ion: 85 Resp: 86268

Ion Ratio Lower Upper

85 100

87 28.6 21.0 39.0



#3

Chloromethane

Concen: 26.037 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015915.D

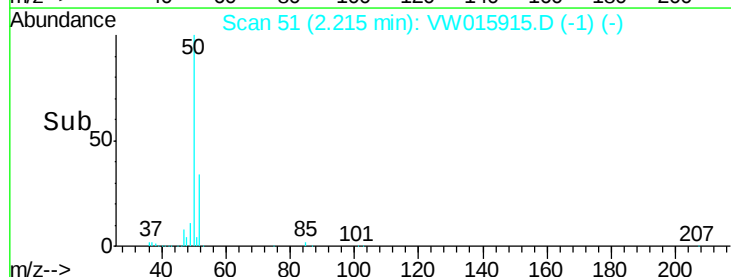
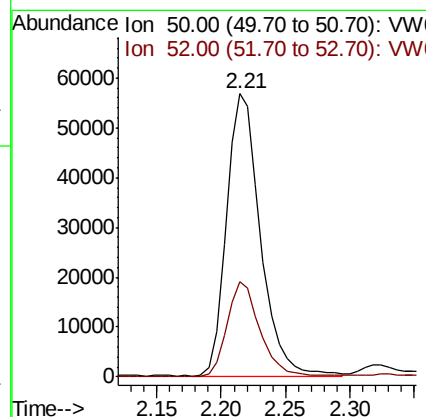
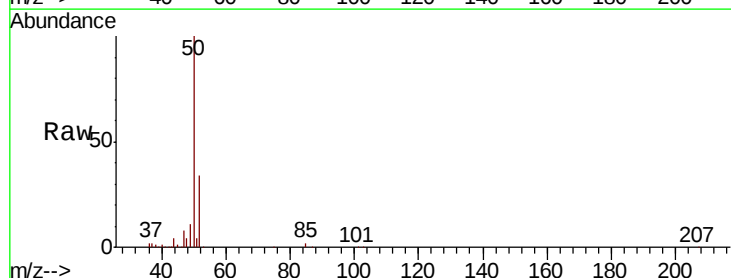
Acq: 22 Jul 2020 20:17

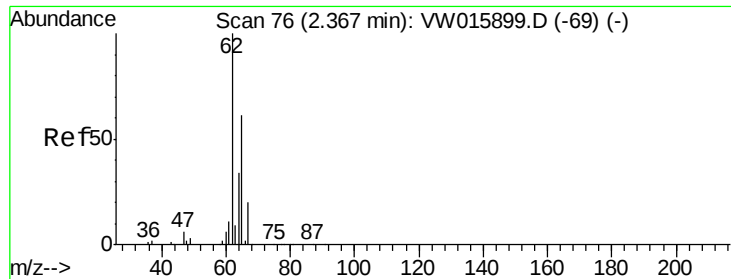
Tgt Ion: 50 Resp: 103886

Ion Ratio Lower Upper

50 100

52 33.7 22.8 42.4





#5

Vinyl chloride

Concen: 24.530 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

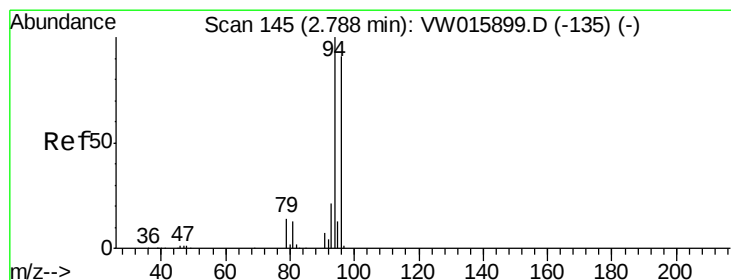
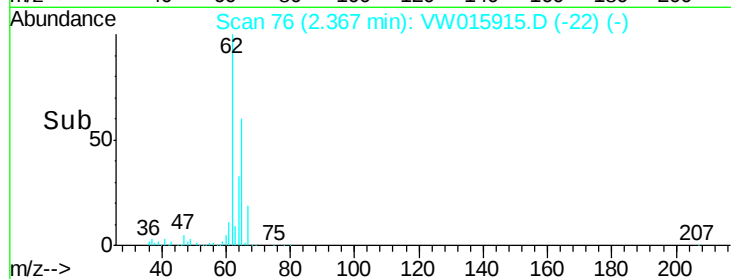
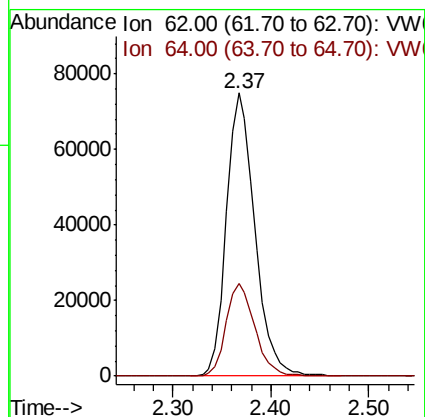
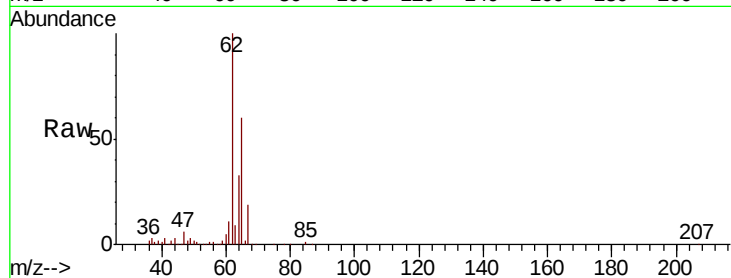
VSTD02508

Tot Ion: 62 Resp: 150955

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#6

Bromomethane

Concen: 24.876 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015915.D

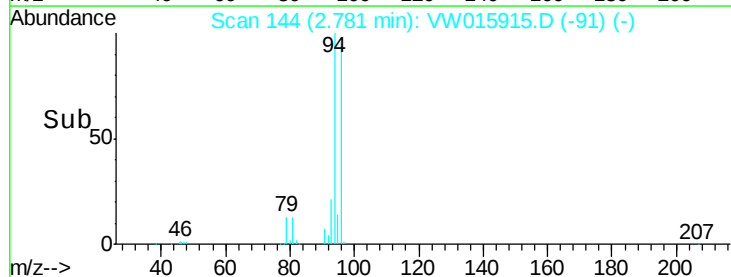
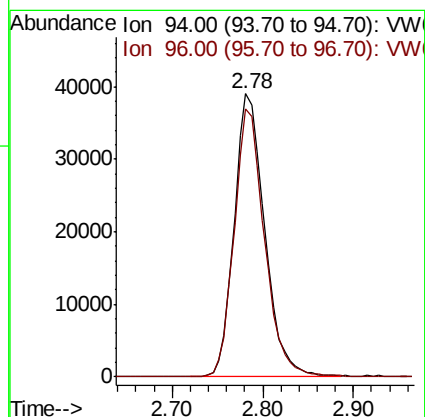
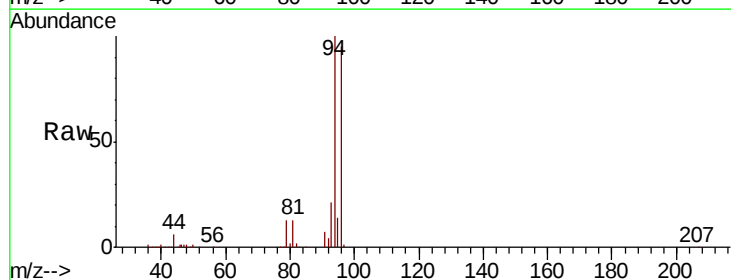
Acq: 22 Jul 2020 20:17

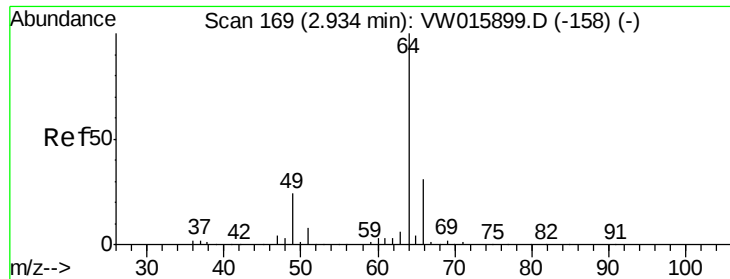
Tgt Ion: 94 Resp: 91328

Ion Ratio Lower Upper

94 100

96 94.3 9.5 180.1





#8

Chloroethane

Concen: 25.593 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

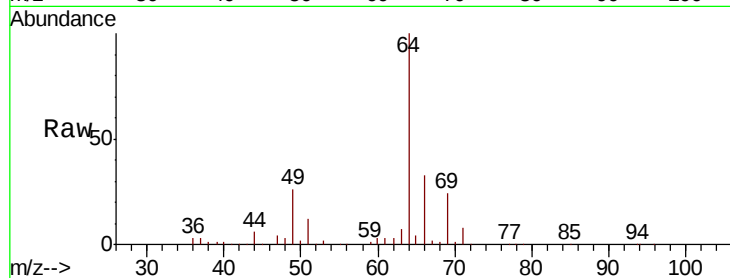
VSTD02508

Tot Ion: 64 Resp: 92262

Ion Ratio Lower Upper

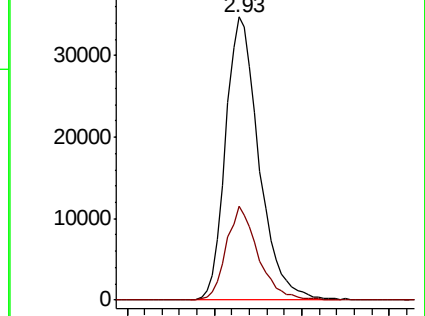
64 100

66 33.3 21.8 40.4

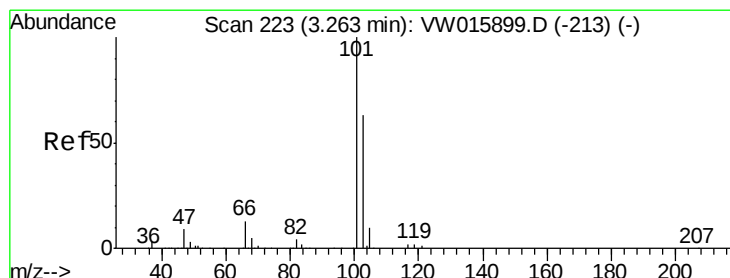
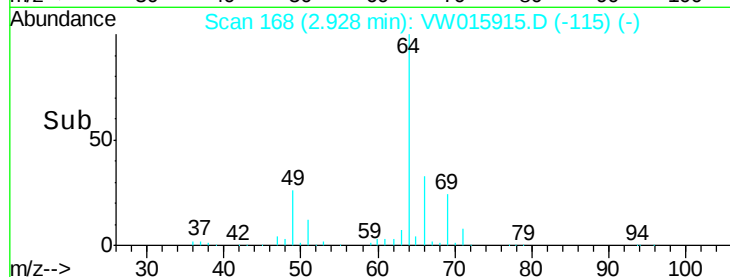


Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



Time-->



#9

Trichlorofluoromethane

Concen: 26.096 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015915.D

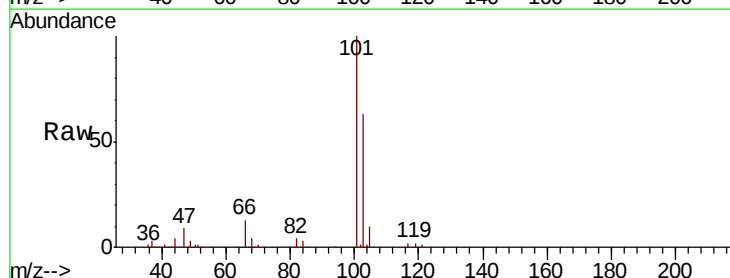
Acq: 22 Jul 2020 20:17

Tgt Ion: 101 Resp: 107945

Ion Ratio Lower Upper

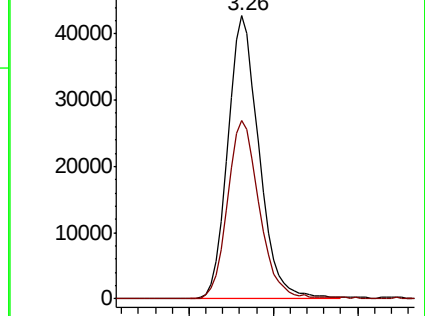
101 100

103 63.8 45.8 85.2

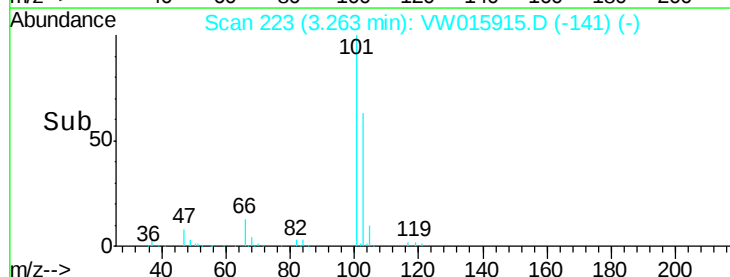


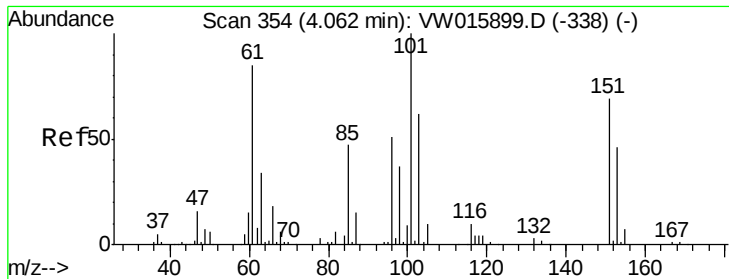
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->





#11

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

Concen: 25.519 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

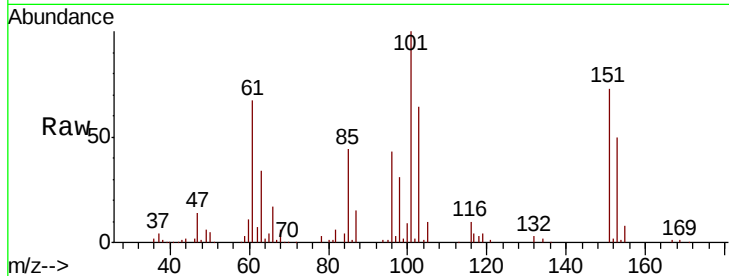
Tot Ion:101 Resp: 129037

Ion Ratio Lower Upper

101 100

85 42.3 35.5 53.3

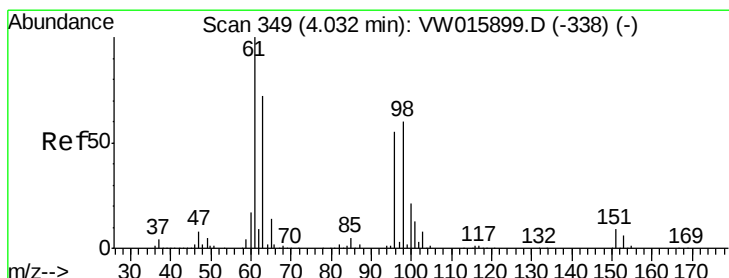
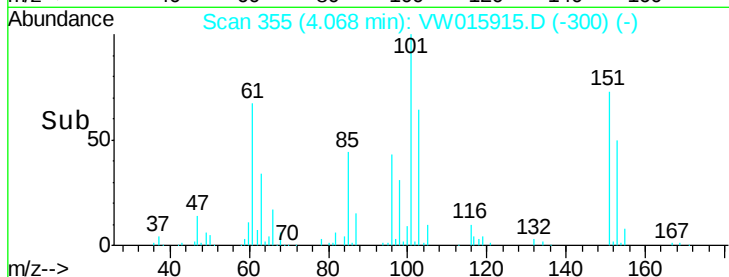
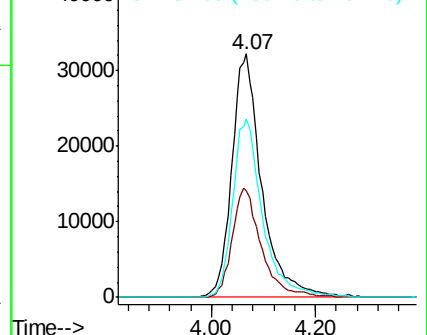
151 72.3 58.4 87.6



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: 25.178 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

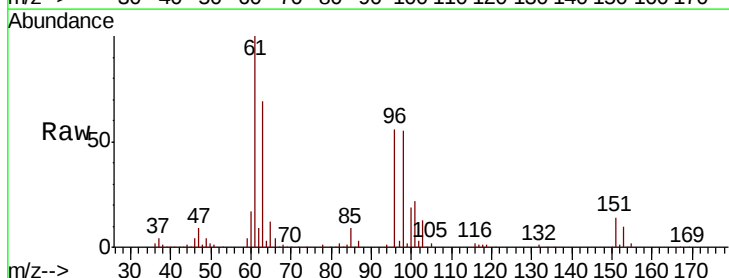
Tgt Ion: 96 Resp: 126185

Ion Ratio Lower Upper

96 100

61 177.4 125.0 232.2

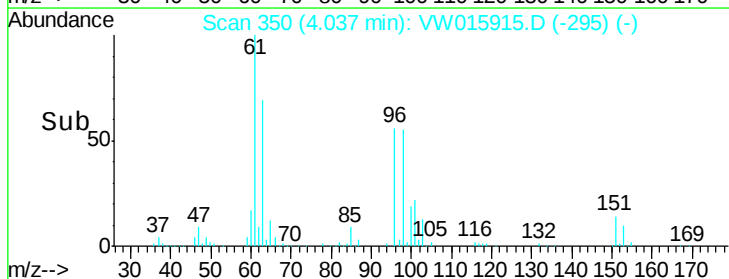
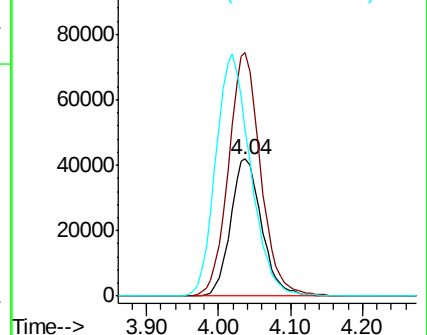
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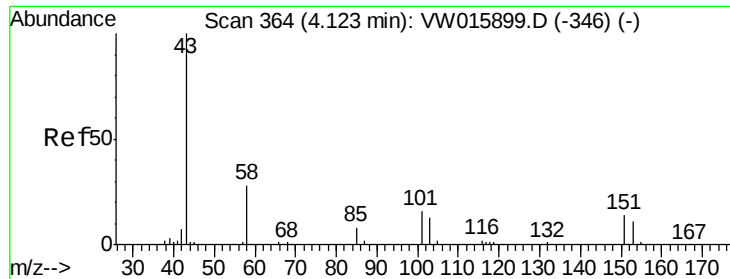


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.193 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampled :

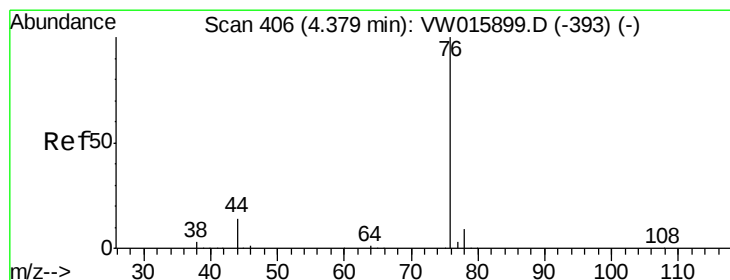
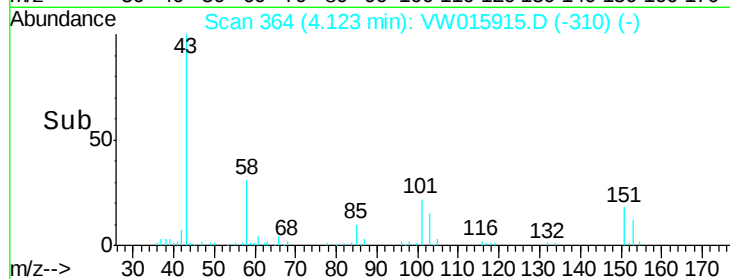
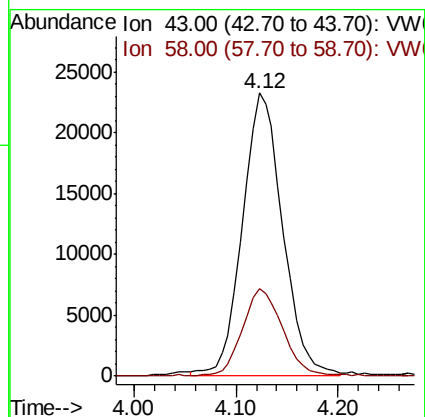
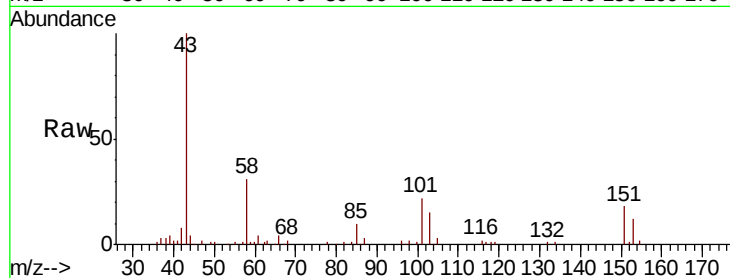
VSTD02508

Tot Ion: 43 Resp: 63339

Ion Ratio Lower Upper

43 100

58 31.3 0.0 58.2



#14

Carbon disulfide

Concen: 23.985 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015915.D

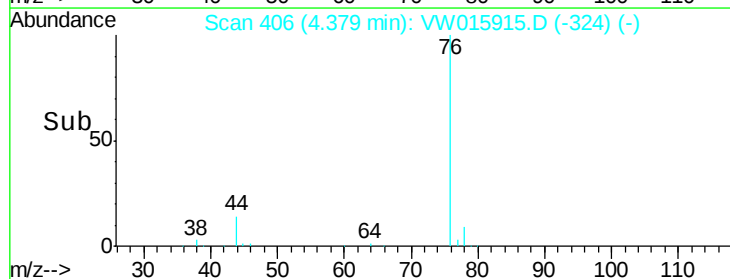
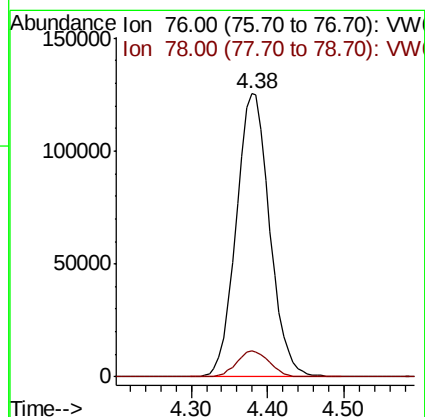
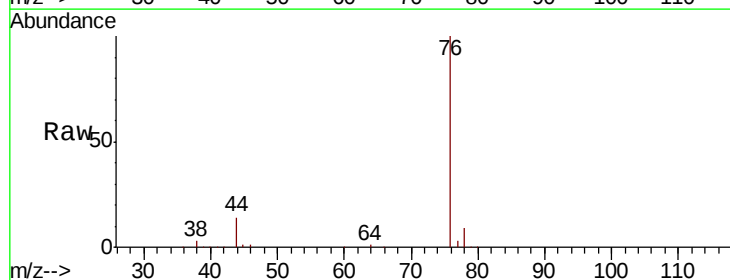
Acq: 22 Jul 2020 20:17

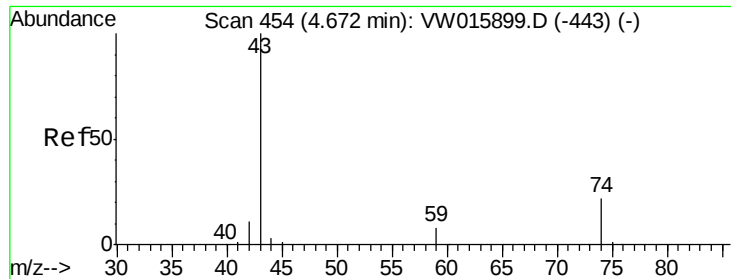
Tgt Ion: 76 Resp: 379628

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

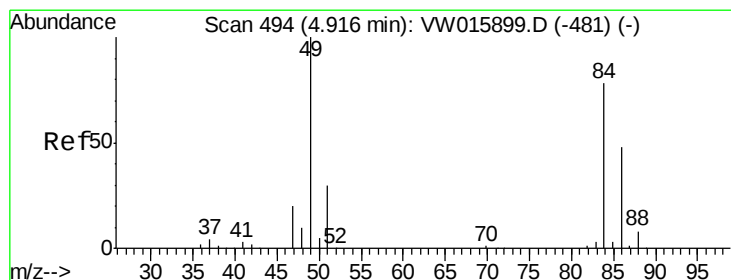
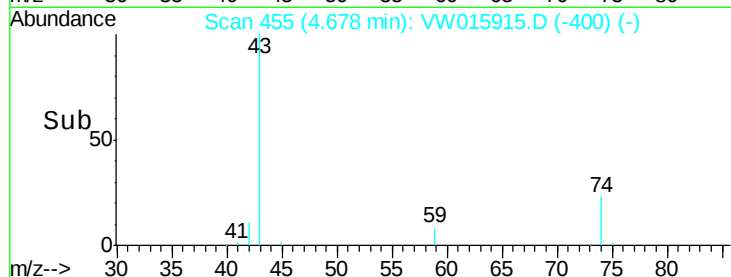
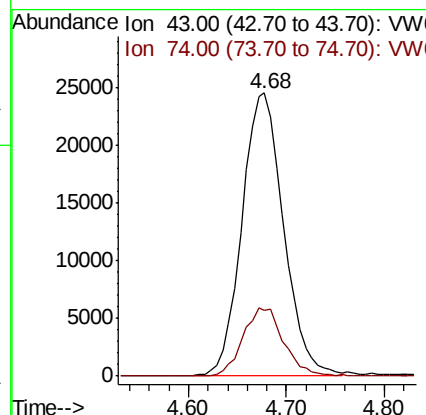
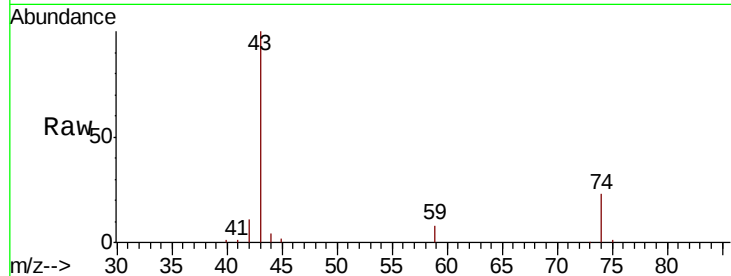




#15
Methvl Acetate
Concen: 31.814 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

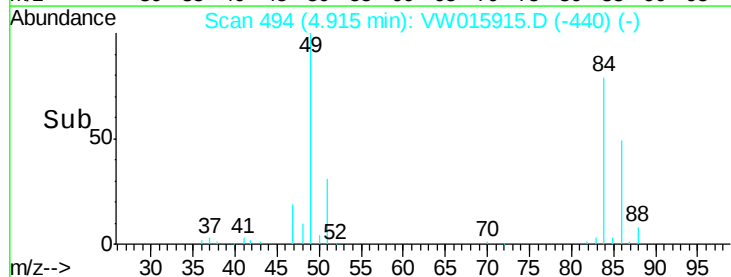
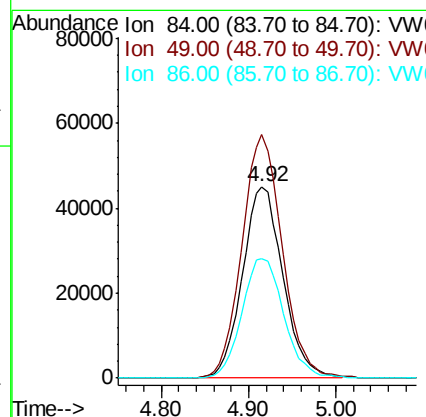
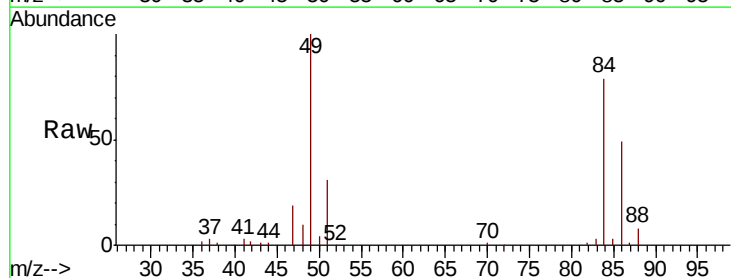
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

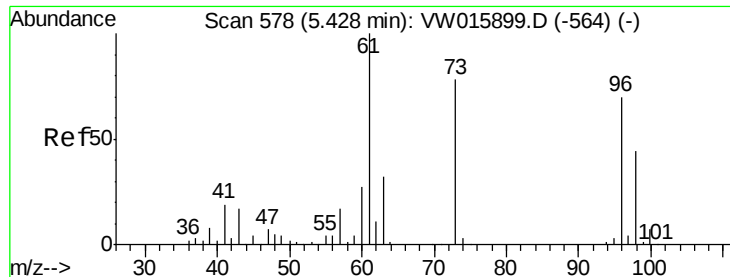
Tot Ion: 43 Resp: 72796
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2



#16
Methylene chloride
Concen: 22.706 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion: 84 Resp: 145052
Ion Ratio Lower Upper
84 100
49 127.4 91.1 169.1
86 62.6 46.0 85.4

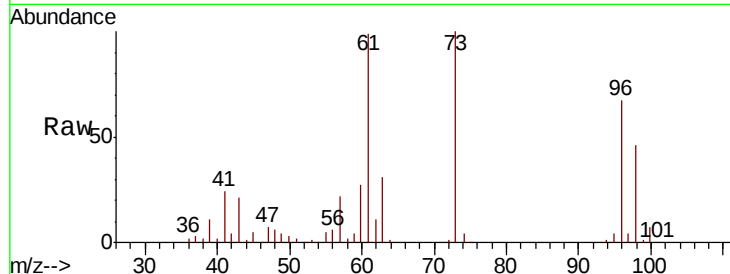




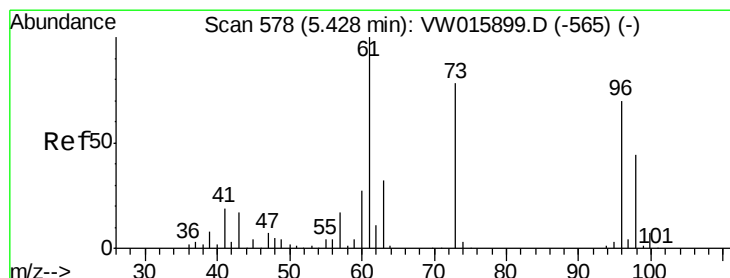
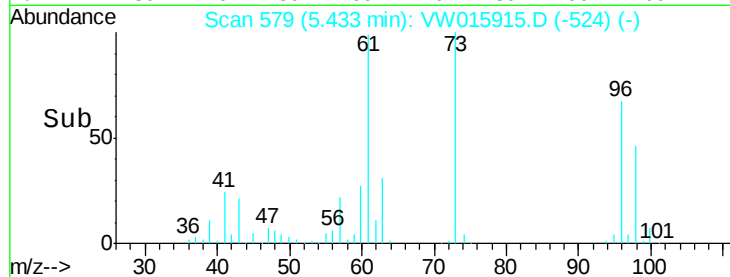
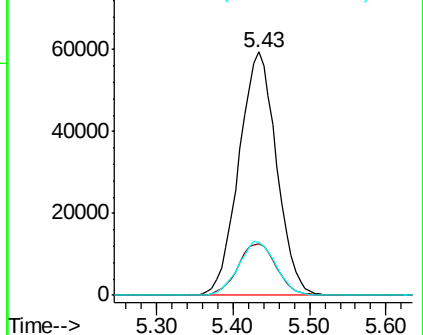
#17
Methvl tert-butvl Ether
Concen: 28.616 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion: 73 Resp: 202801
Ion Ratio Lower Upper
73 100
43 22.1 18.4 27.6
57 22.2 17.8 26.8

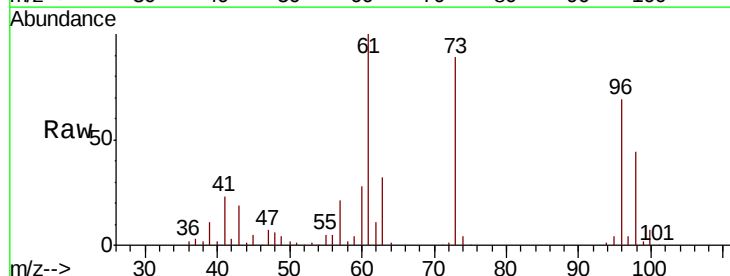


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

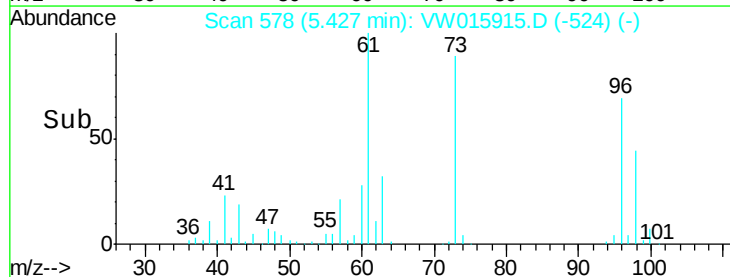
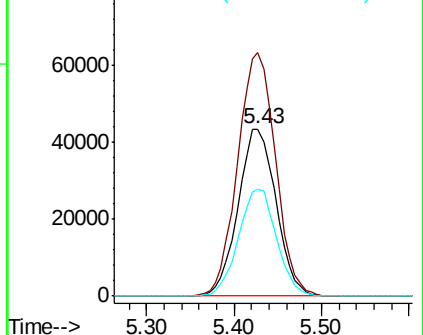


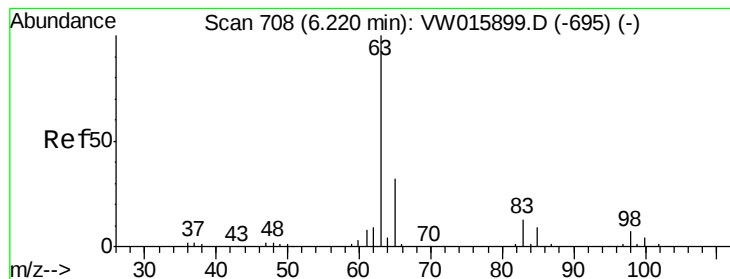
#18
trans-1,2-Dichloroethene
Concen: 24.882 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion: 96 Resp: 131684
Ion Ratio Lower Upper
96 100
61 145.5 99.3 184.5
98 63.8 42.9 79.7



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





#19

1,1-Dichloroethane

Concen: 25.429 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

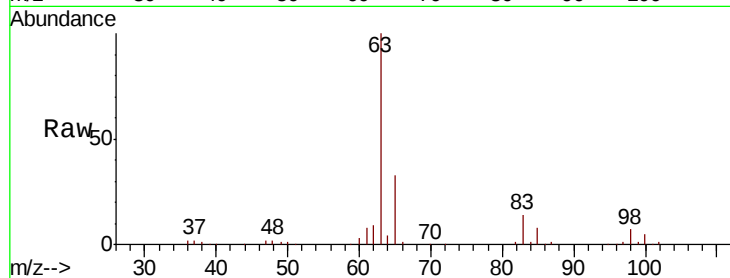
Tot Ion: 63 Resp: 247996

Ion Ratio Lower Upper

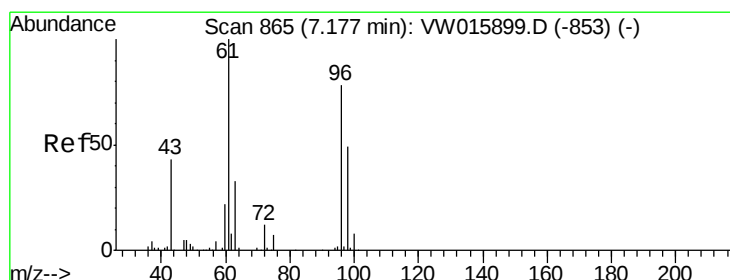
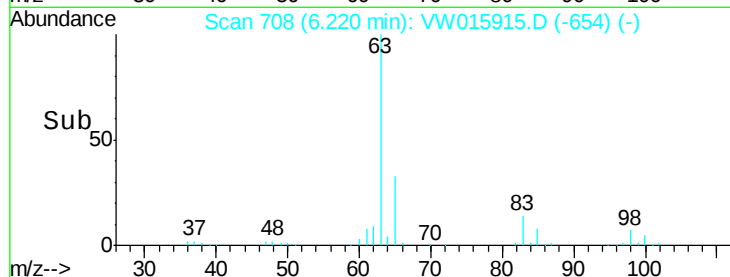
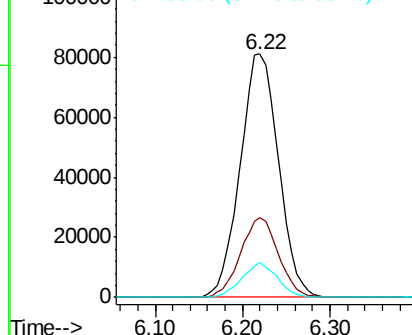
63 100

65 32.8 22.2 41.2

83 14.3 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: 64.554 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015915.D

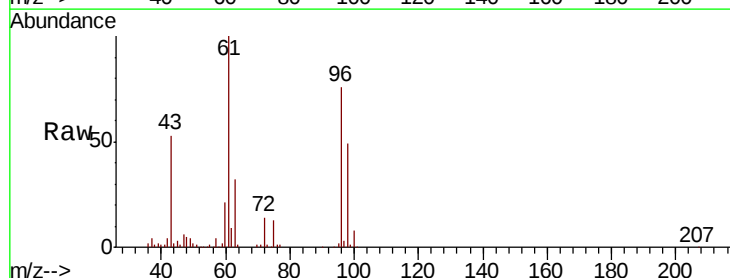
Acq: 22 Jul 2020 20:17

Tgt Ion: 43 Resp: 96874

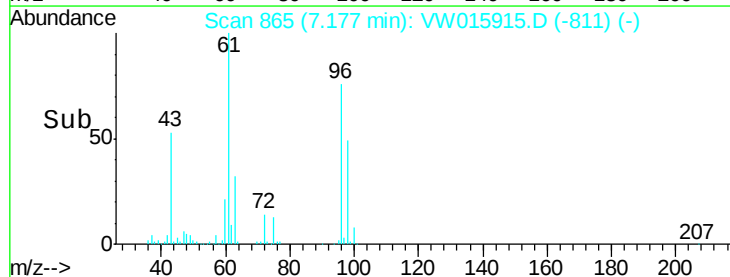
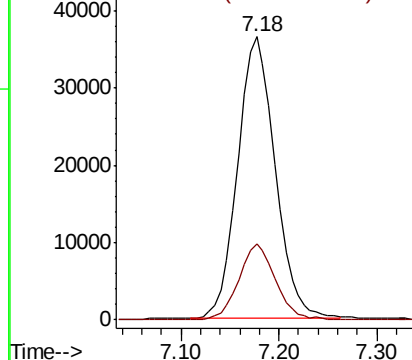
Ion Ratio Lower Upper

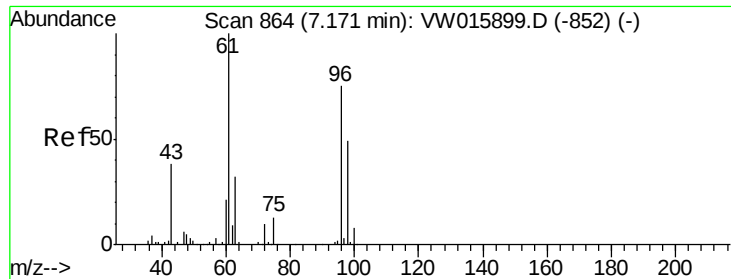
43 100

72 26.4 13.9 41.7



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



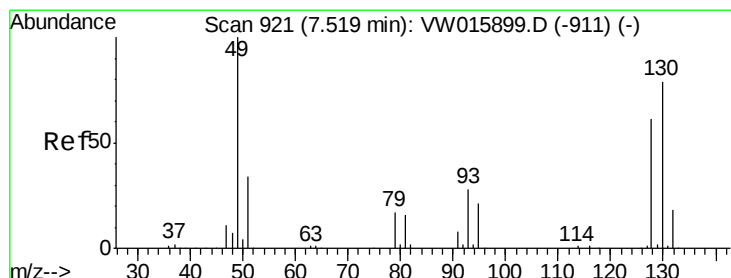
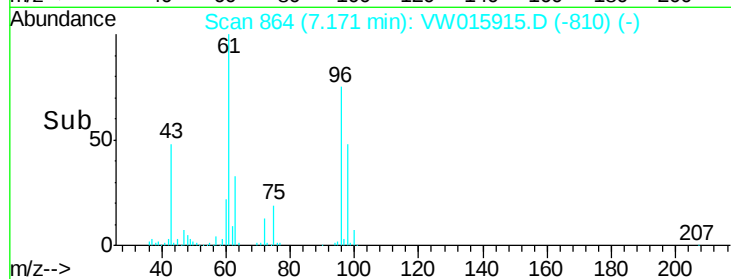
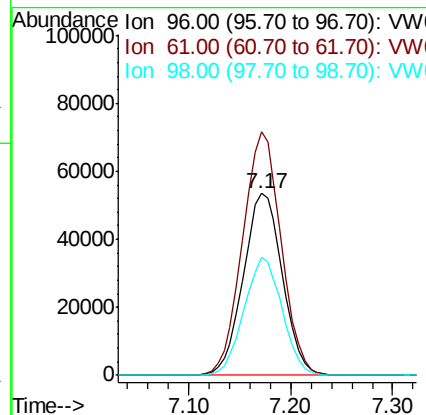
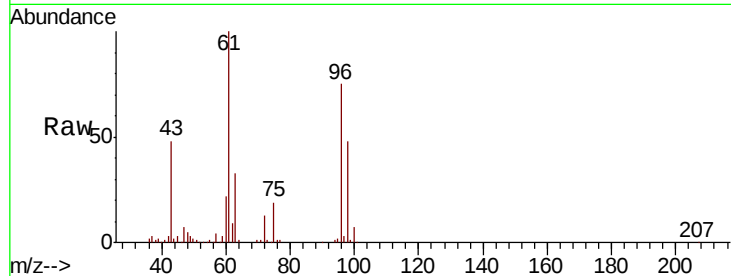


#22

cis-1,2-Dichloroethene
Concen: 25.774 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

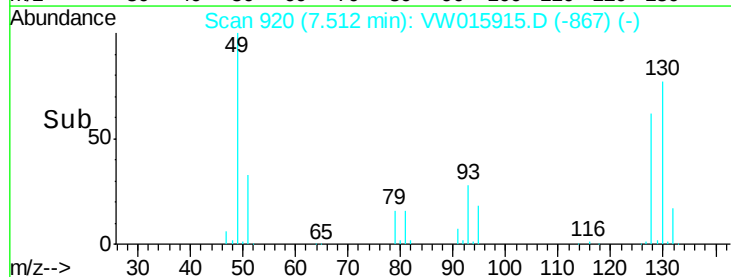
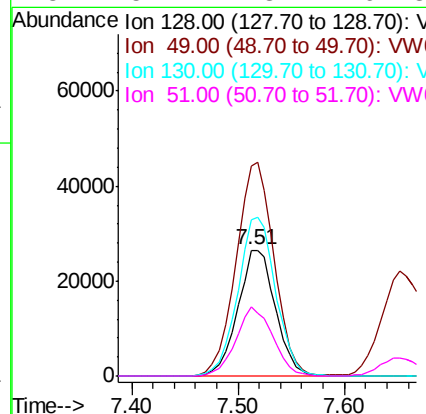
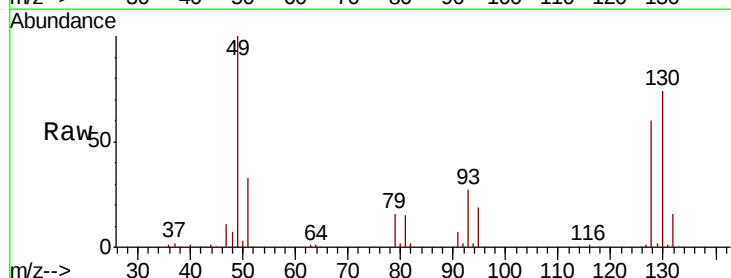
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	133.8	94.6	175.8	
98	64.6	44.3	82.3	

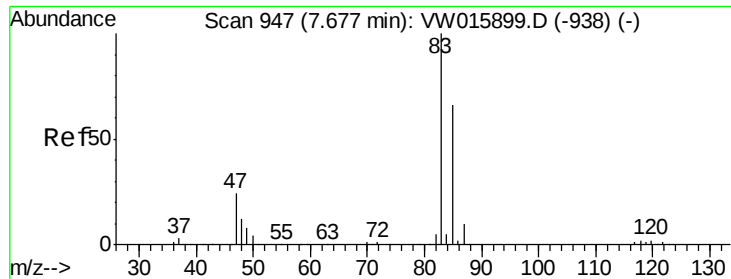


#23

Bromochloromethane
Concen: 26.922 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
49	166.3	122.4	227.2	
130	123.7	93.9	174.5	
51	54.4	43.2	64.8	

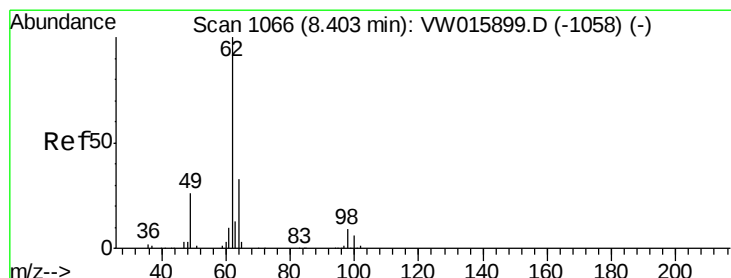
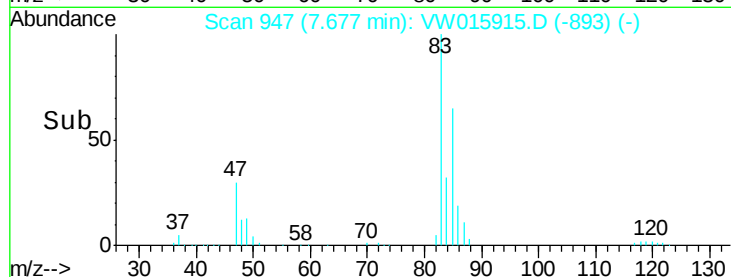
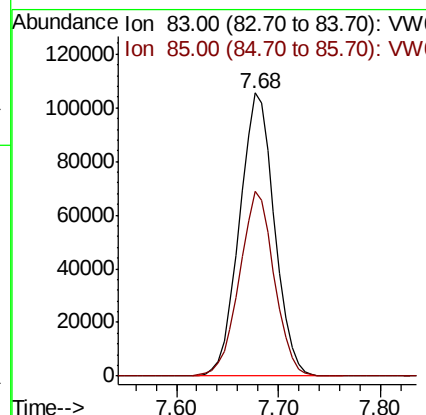
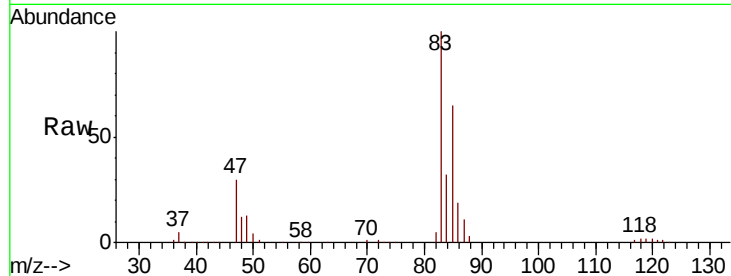




#25
Chloroform
Concen: 25.926 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

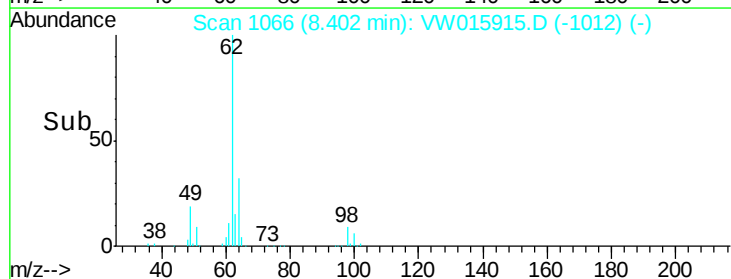
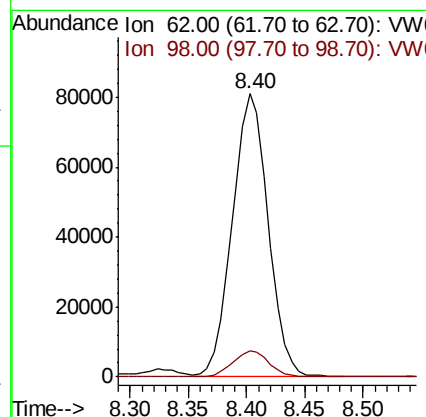
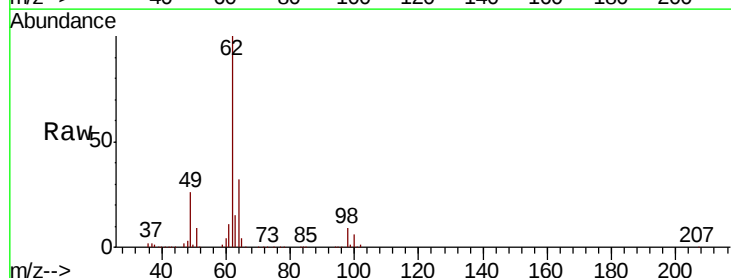
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

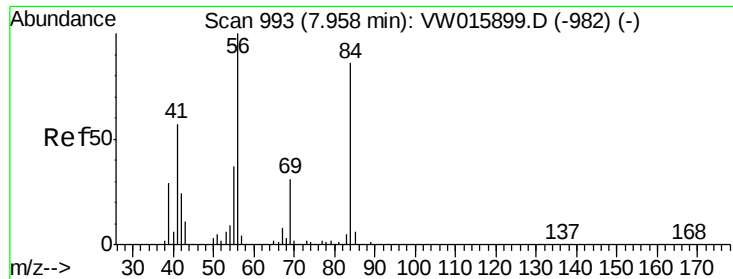
Tot Ion: 83 Resp: 250589
Ion Ratio Lower Upper
83 100
85 65.0 46.5 86.5



#27
1,2-Dichloroethane
Concen: 26.374 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion: 62 Resp: 173458
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6

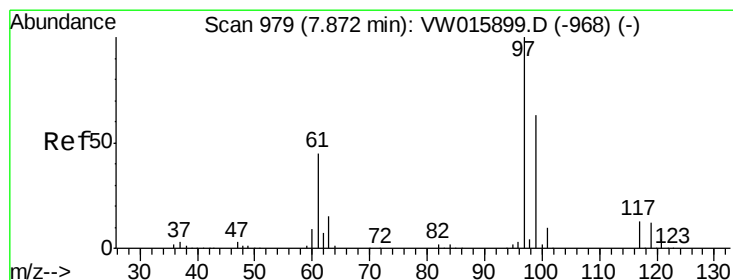
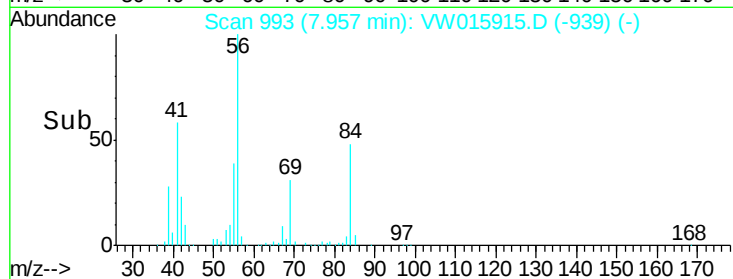
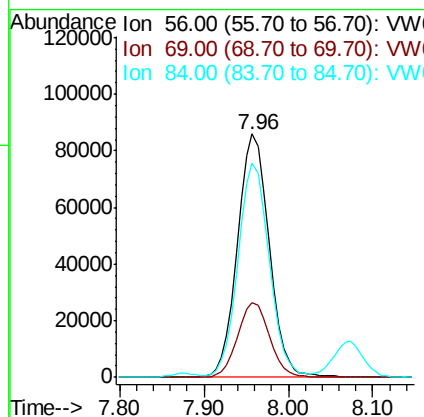
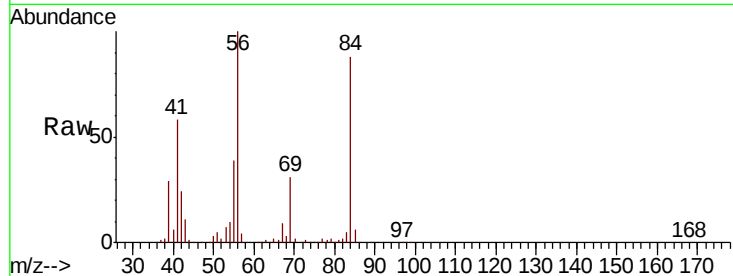




#30
Cyclohexane
Concen: 23.617 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

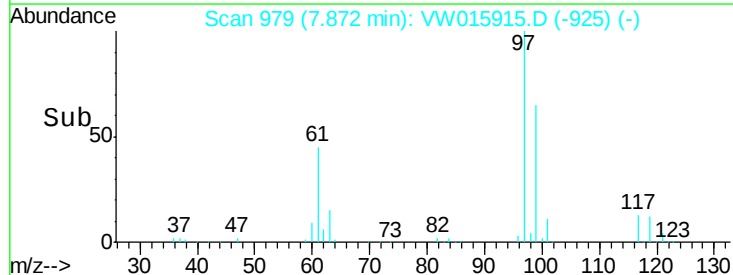
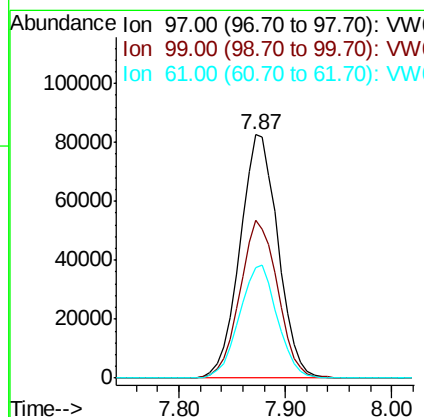
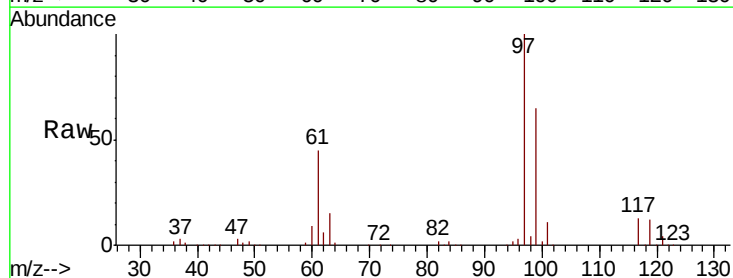
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

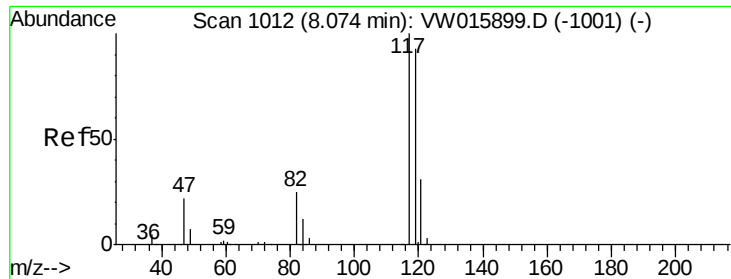
Tot Ion: 56 Resp: 218745
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 87.2 69.3 103.9



#31
1,1,1-Trichloroethane
Concen: 24.181 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion: 97 Resp: 207409
Ion Ratio Lower Upper
97 100
99 64.6 51.9 77.9
61 46.3 37.6 56.4





#32

Carbon tetrachloride

Concen: 23.927 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

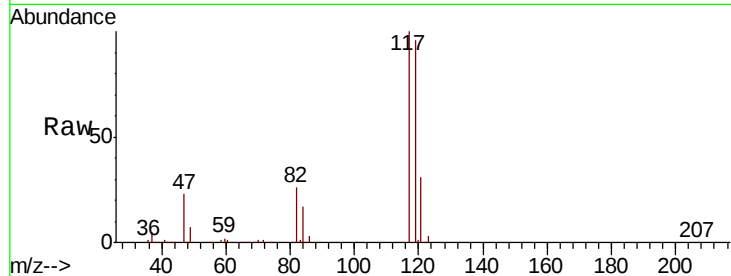
VSTD02508

Tot Ion:117 Resp: 186098

Ion Ratio Lower Upper

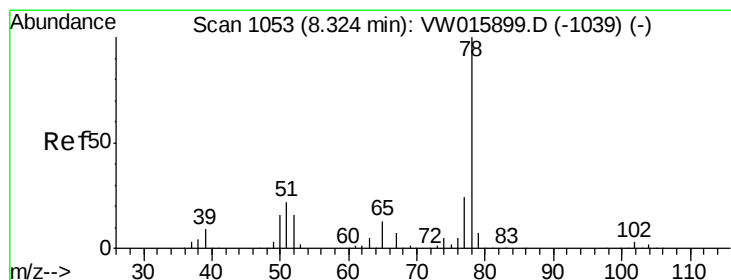
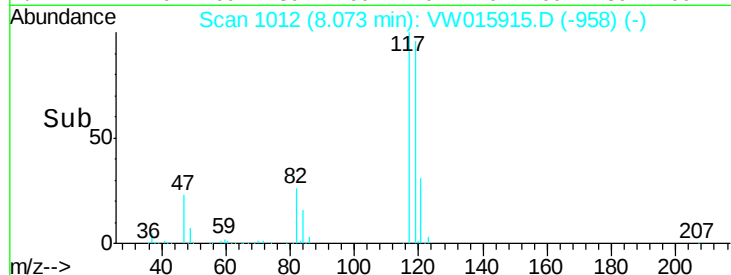
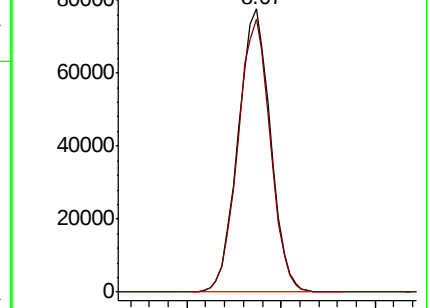
117 100

119 96.5 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: 24.884 ug/L

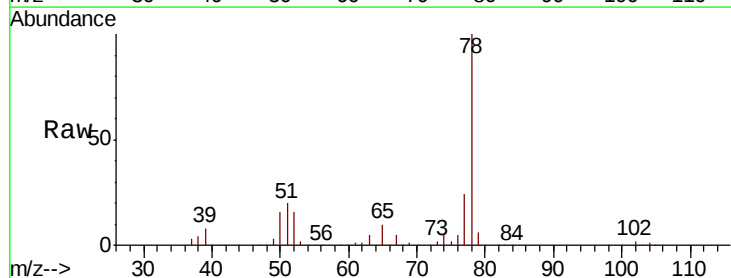
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

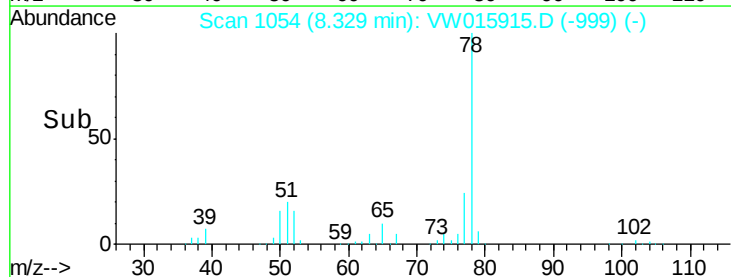
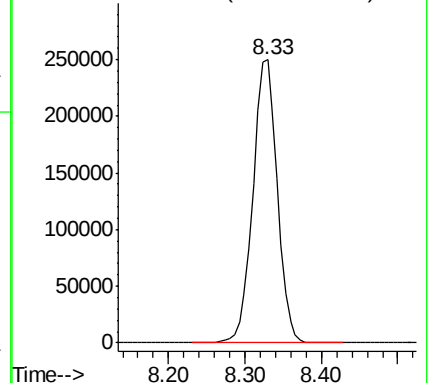
Lab File: VW015915.D

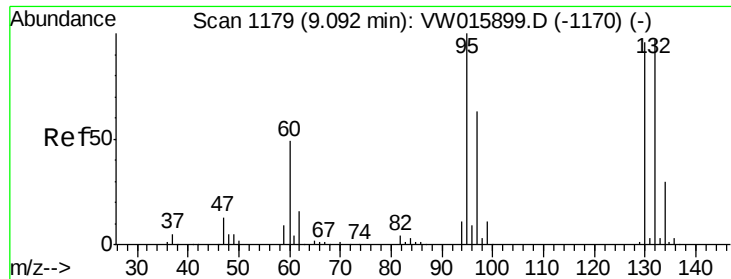
Acq: 22 Jul 2020 20:17

Tgt Ion: 78 Resp: 555171



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.871 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 95 Resp: 140885

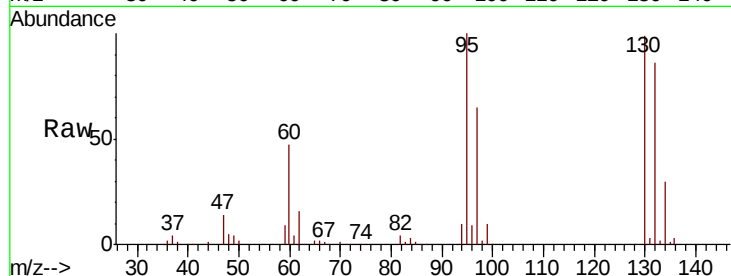
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.4

132 93.5 65.1 120.9

130 100.2 68.6 127.4



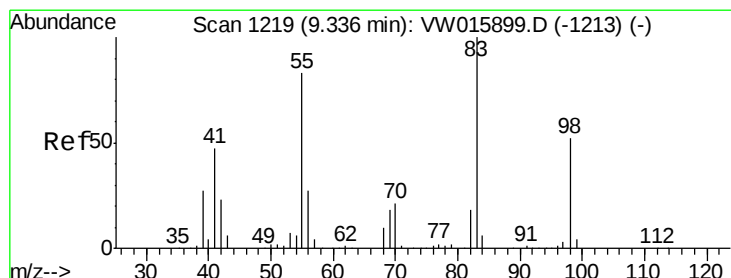
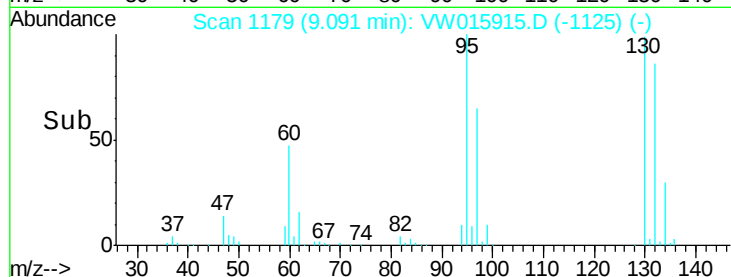
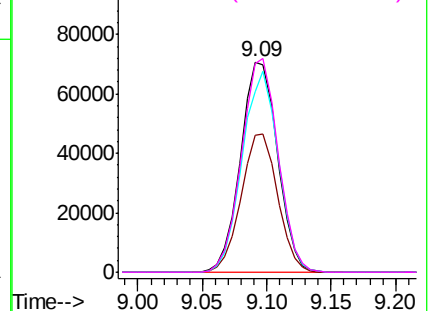
Abundance

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: 24.222 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

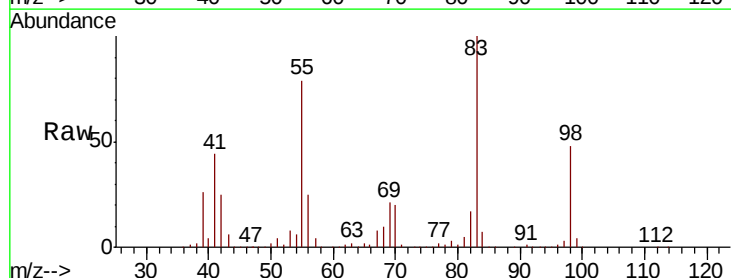
Tgt Ion: 83 Resp: 245295

Ion Ratio Lower Upper

83 100

55 78.5 63.5 95.3

98 49.0 39.0 58.4

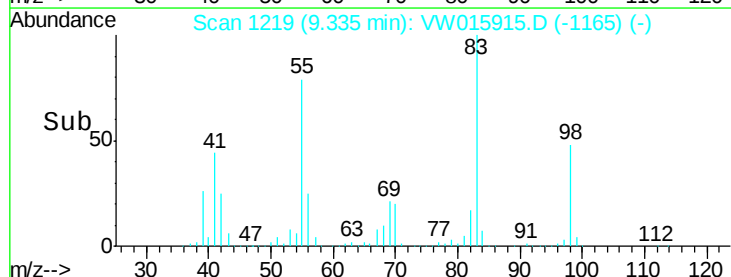
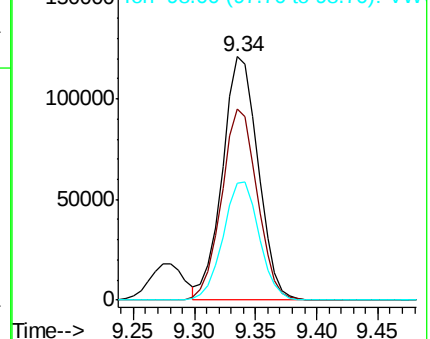


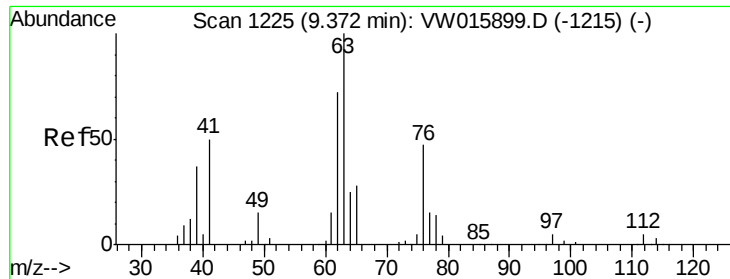
Abundance

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

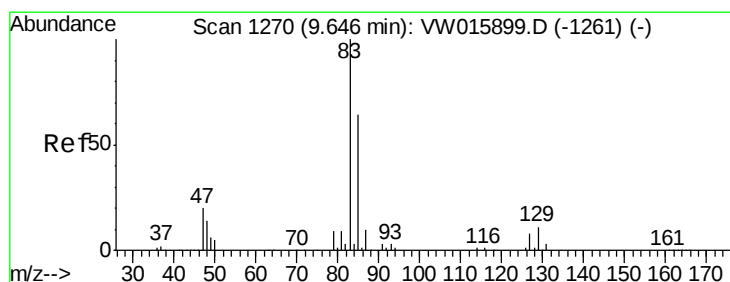
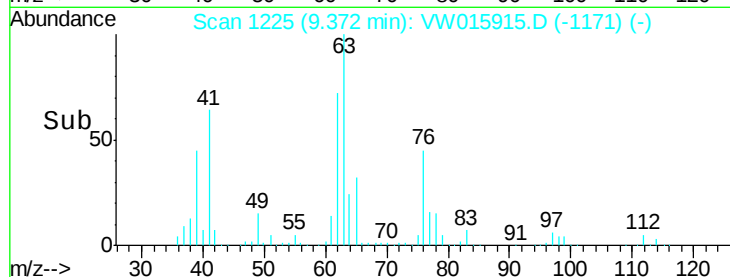
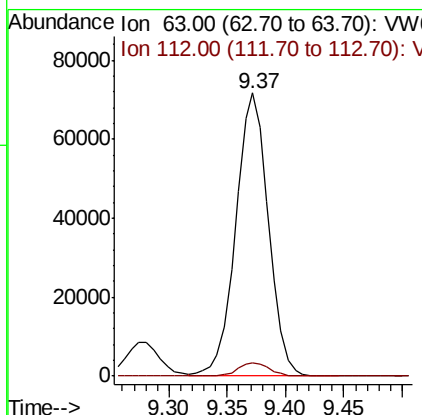
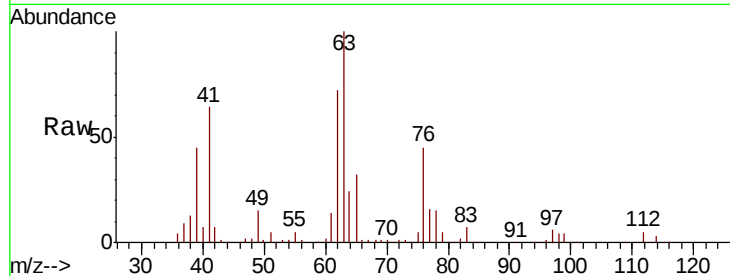




#40
 1,2-Dichloropropane
 Concen: 25.327 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

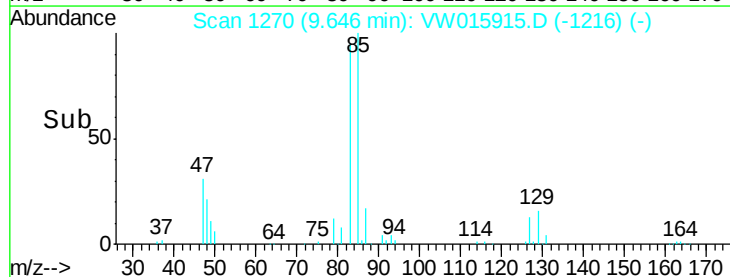
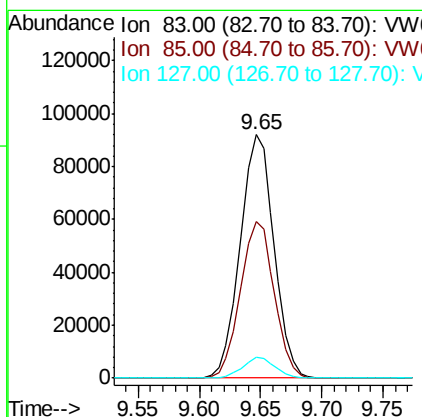
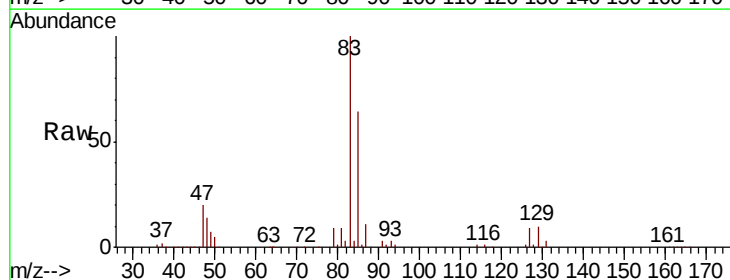
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

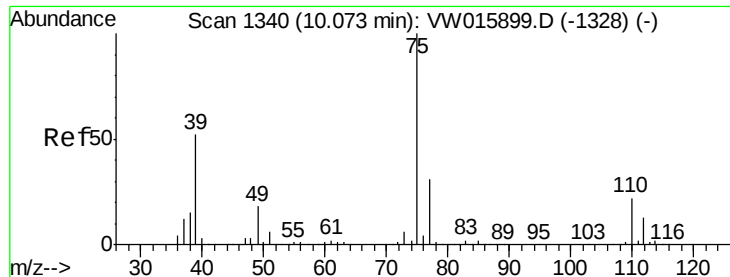
Tot Ion: 63 Resp: 139980
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.715 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

Tgt Ion: 83 Resp: 176412
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.7 81.1
 127 8.5 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.495 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

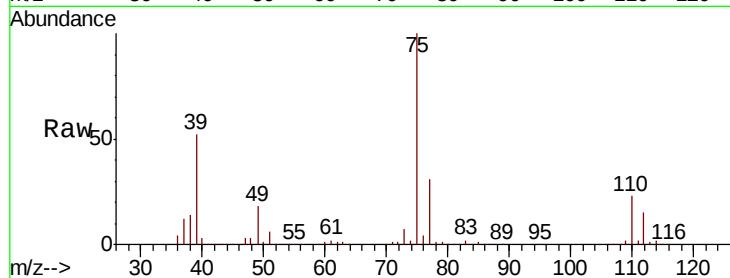
VSTD02508

Tot Ion: 75 Resp: 206195

Ion Ratio Lower Upper

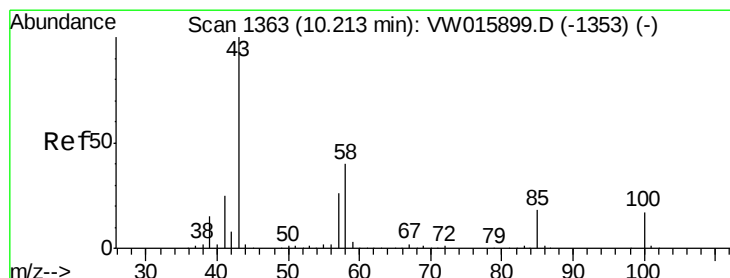
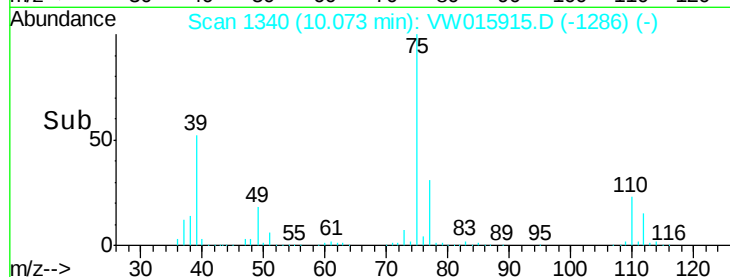
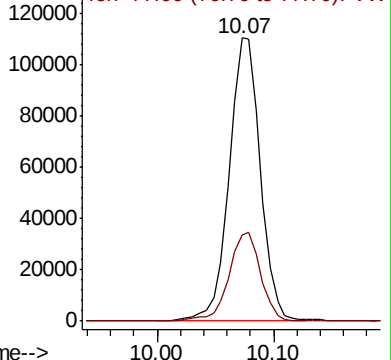
75 100

77 30.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 63.301 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

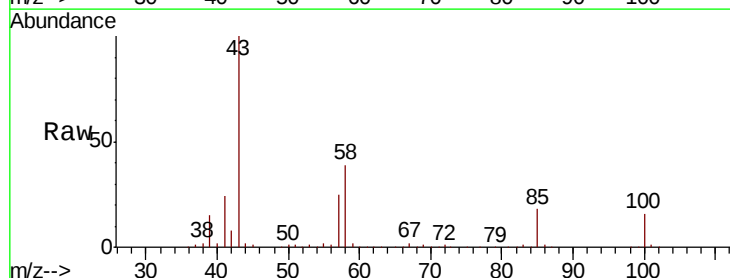
Tgt Ion: 43 Resp: 204210

Ion Ratio Lower Upper

43 100

58 39.2 31.0 46.4

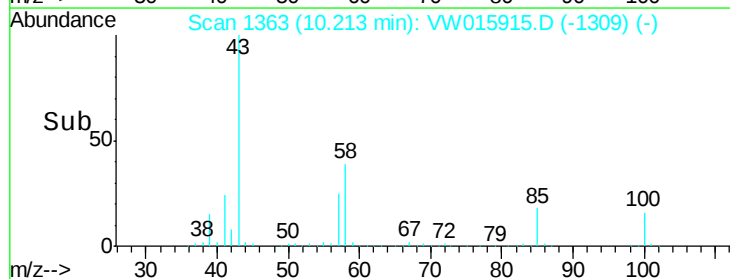
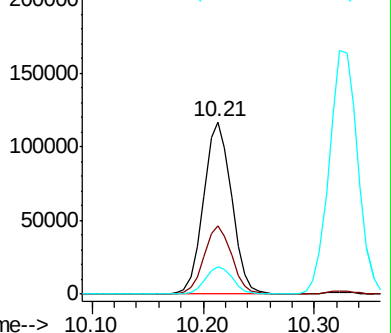
100 15.6 12.6 19.0

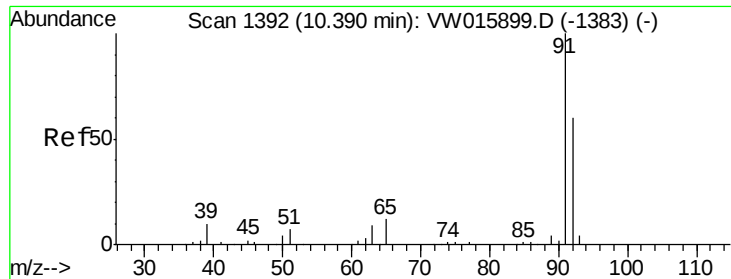


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.904 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

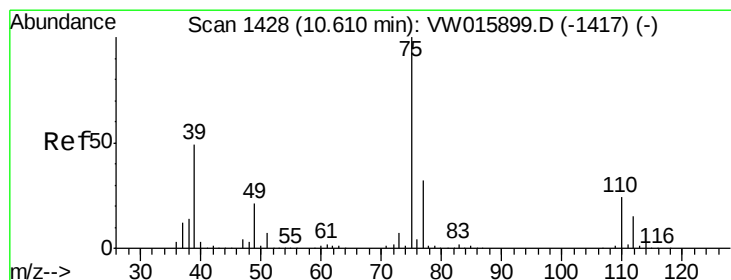
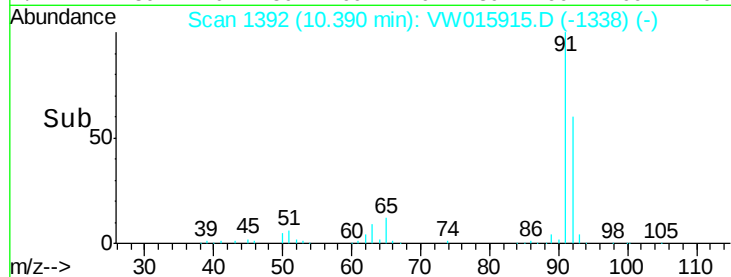
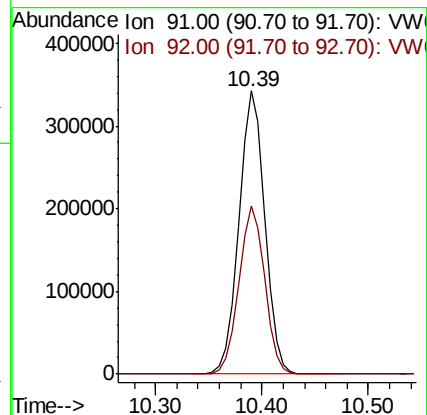
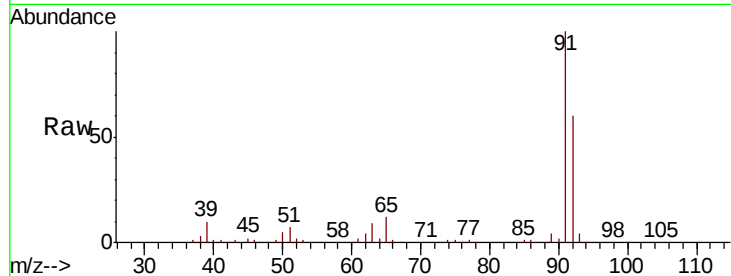
VSTD02508

Tot Ion: 91 Resp: 582732

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.485 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015915.D

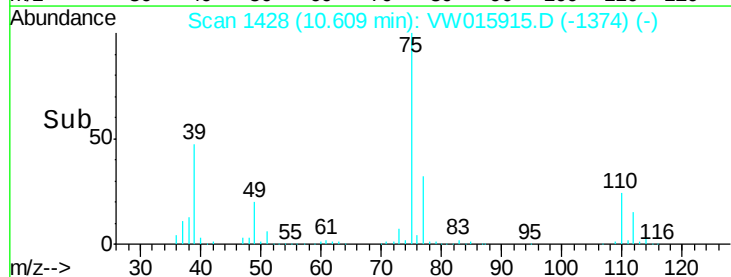
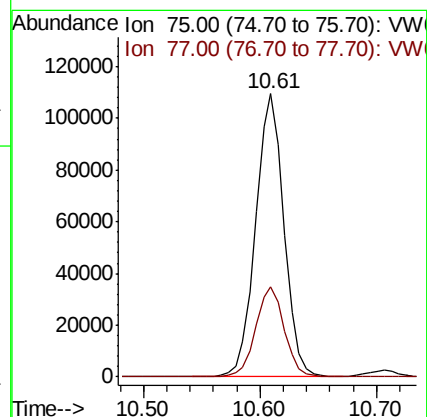
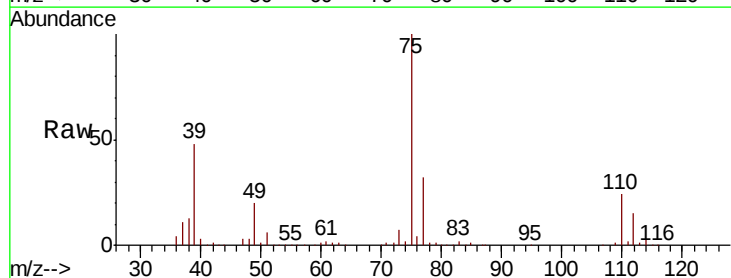
Acq: 22 Jul 2020 20:17

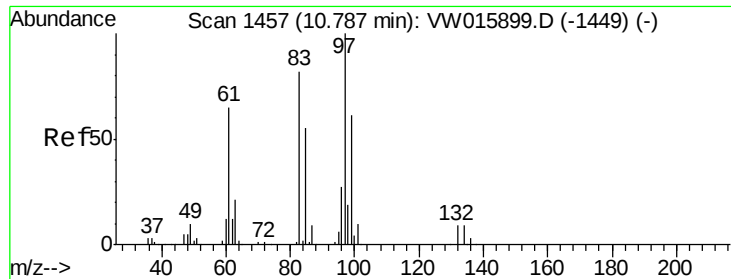
Tgt Ion: 75 Resp: 185947

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9

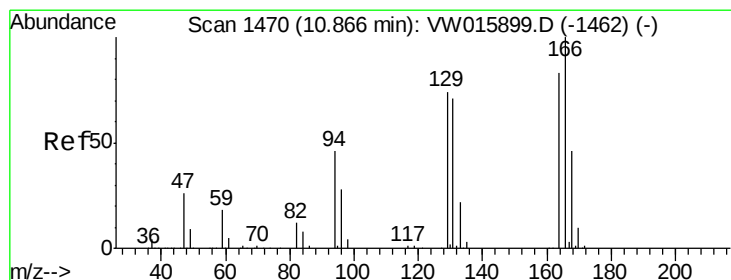
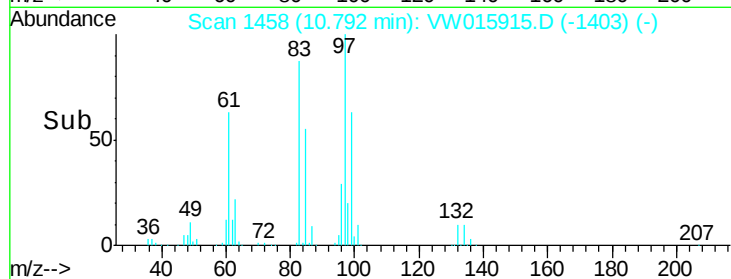
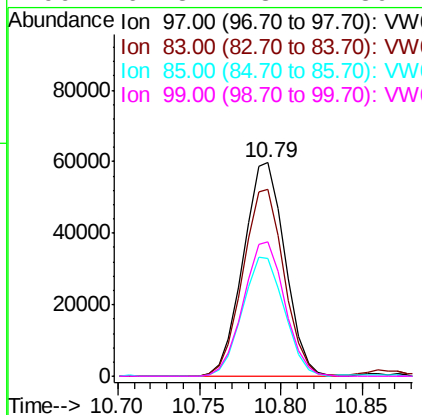
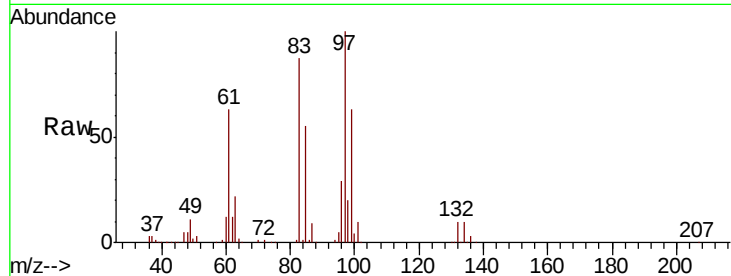




#46
 1,1,2-Trichloroethane
 Concen: 26.777 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

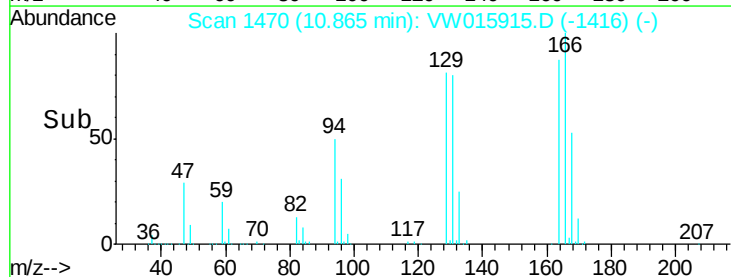
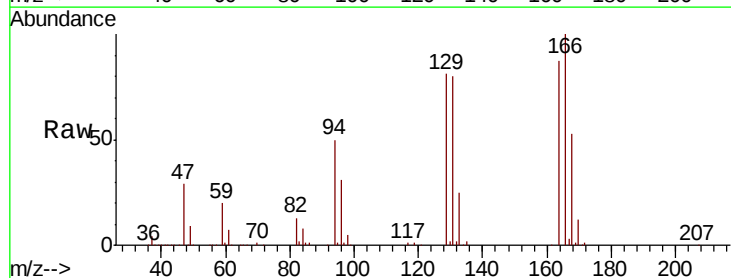
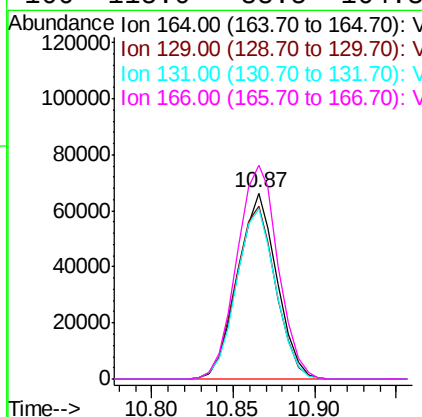
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

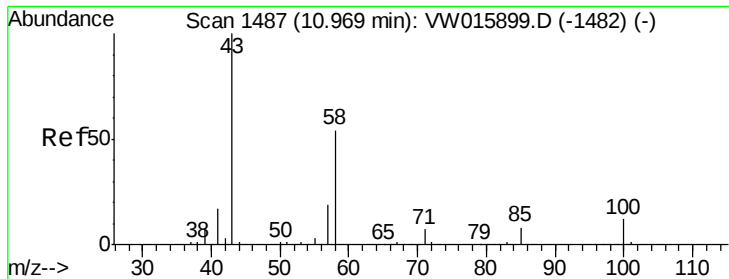
Tot Ion	97	Resp	106425
Ion	Ratio	Lower	Upper
97	100		
83	87.2	60.6	112.6
85	54.9	38.9	72.2
99	62.8	43.1	80.1



#47
 Tetrachloroethene
 Concen: 24.105 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

Tgt Ion	164	Resp	110426
Ion	Ratio	Lower	Upper
164	100		
129	93.0	70.0	130.0
131	91.4	67.3	124.9
166	115.0	88.5	164.3

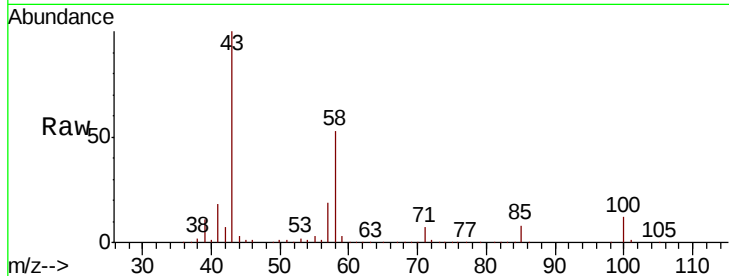




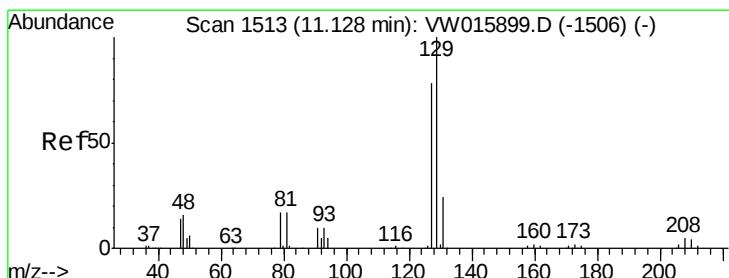
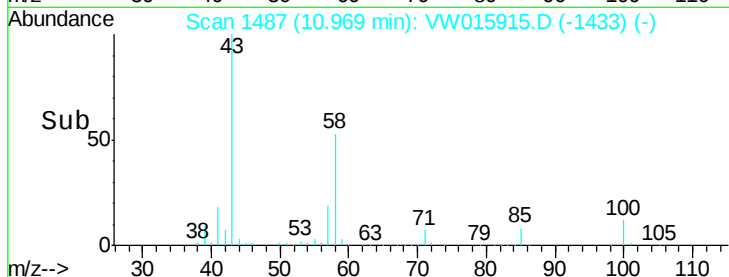
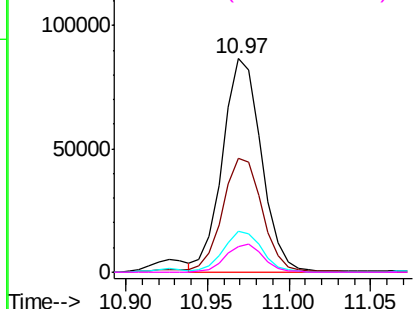
#49
2-Hexanone
Concen: 63.001 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tot Ion: 43 Resp: 144229
Ion Ratio Lower Upper
43 100
58 54.0 42.4 63.6
57 19.4 15.6 23.4
100 12.7 9.8 14.6

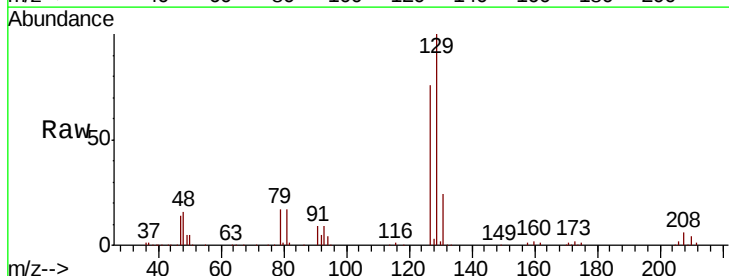


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

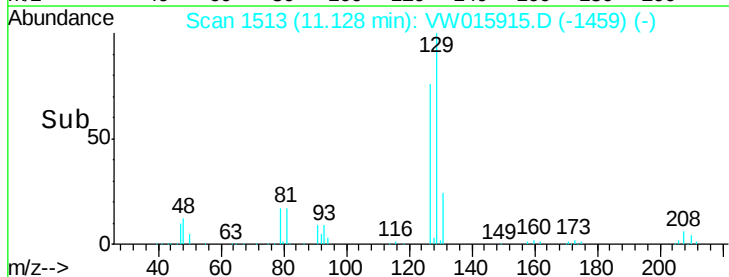
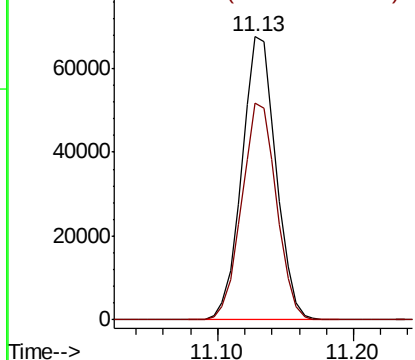


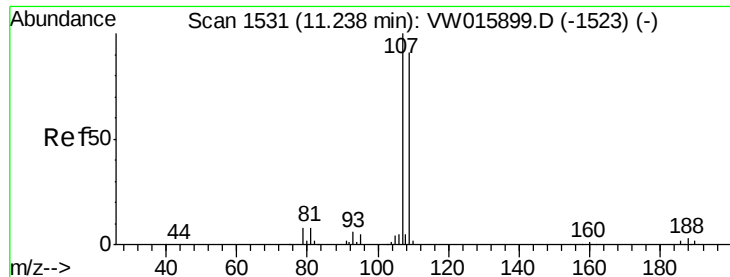
#50
Dibromochloromethane
Concen: 25.801 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion: 129 Resp: 118720
Ion Ratio Lower Upper
129 100
127 76.5 53.8 100.0



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

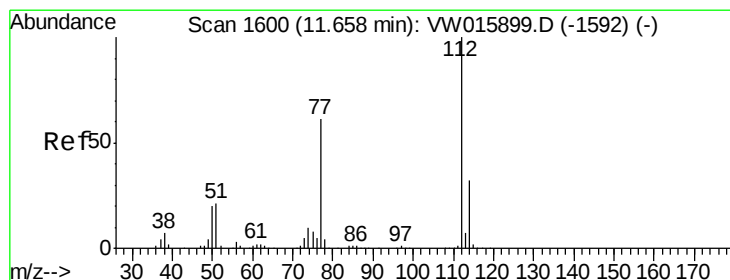
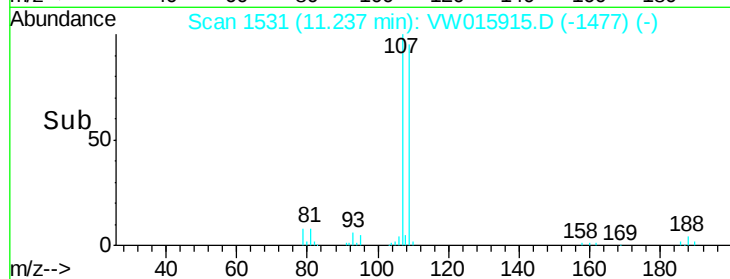
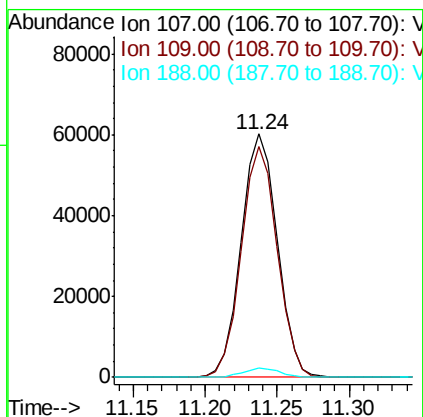
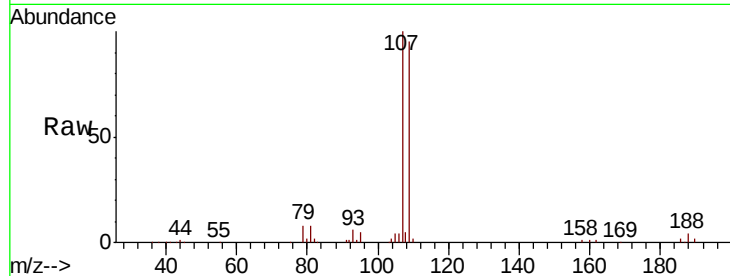




#51
1,2-Dibromoethane
Concen: 27.489 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

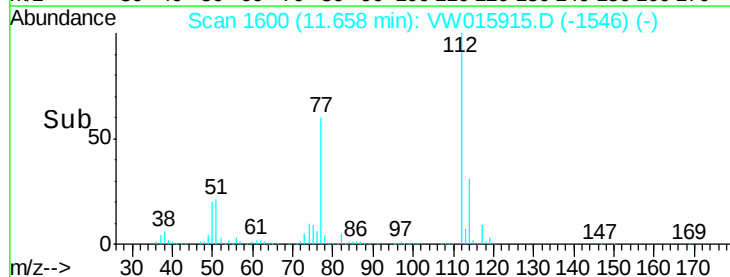
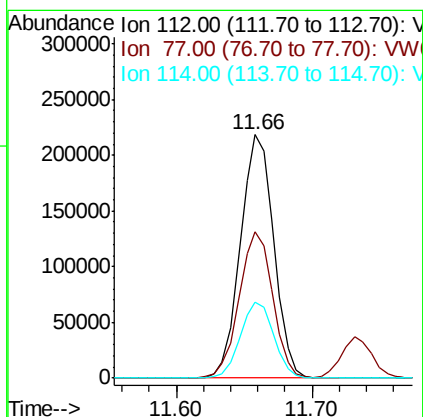
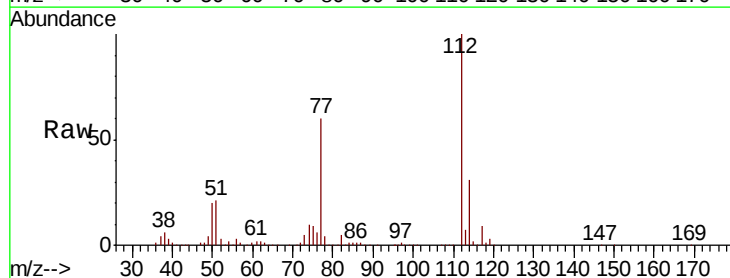
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

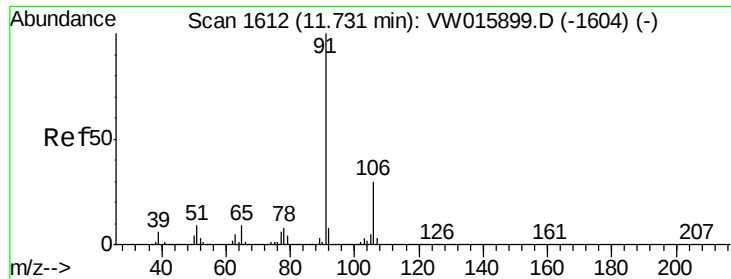
Tot Ion:107 Resp: 104514
Ion Ratio Lower Upper
107 100
109 94.6 66.9 124.3
188 3.7 3.2 4.8



#52
Chlorobenzene
Concen: 24.947 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion:112 Resp: 374048
Ion Ratio Lower Upper
112 100
77 60.0 47.8 71.6
114 31.0 22.1 41.1





#53

Ethylbenzene

Concen: 24.988 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

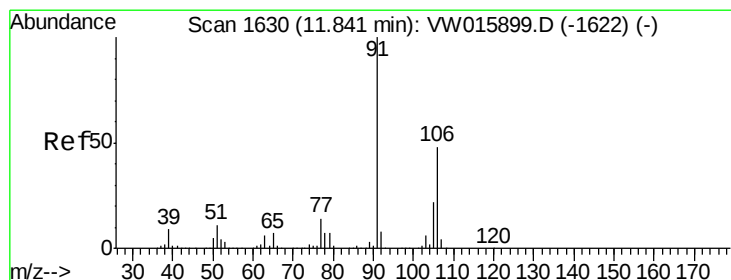
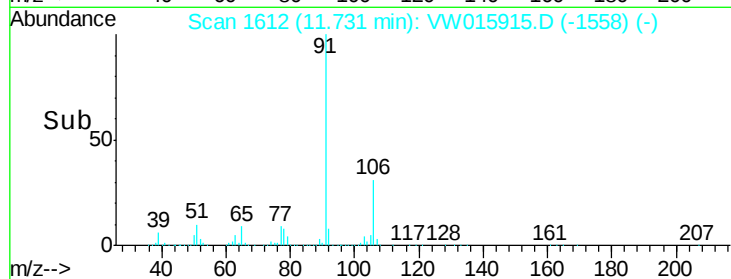
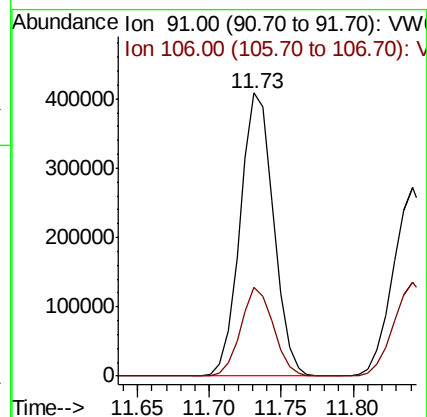
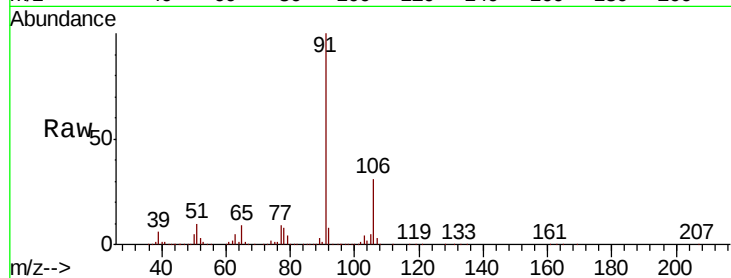
VSTD02508

Tot Ion: 91 Resp: 657500

Ion Ratio Lower Upper

91 100

106 31.3 22.4 41.6



#54

m,p-Xylene

Concen: 25.102 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015915.D

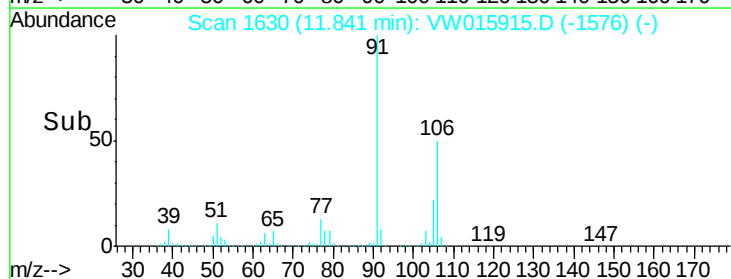
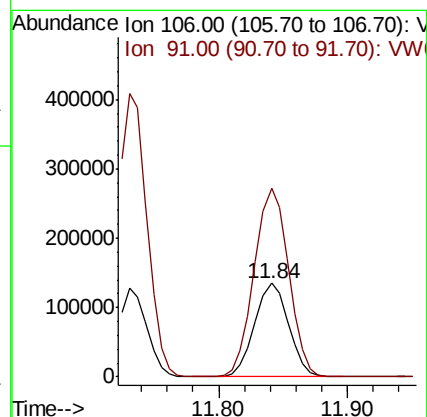
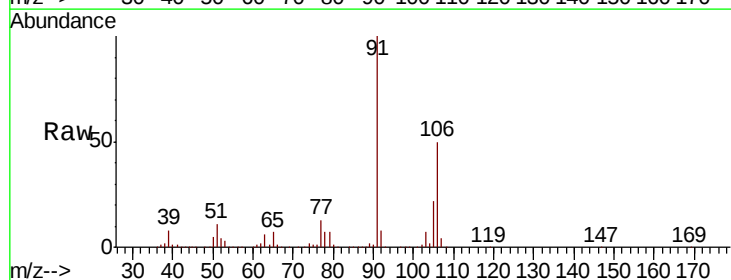
Acq: 22 Jul 2020 20:17

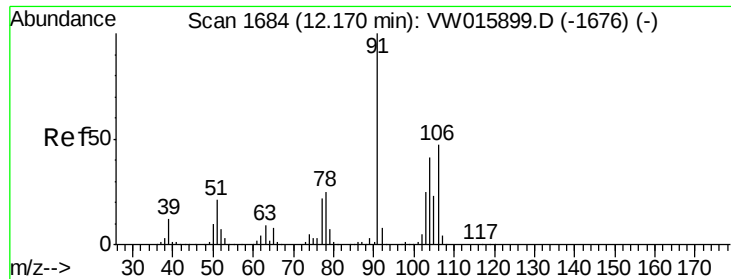
Tgt Ion: 106 Resp: 247116

Ion Ratio Lower Upper

106 100

91 200.7 144.1 267.5

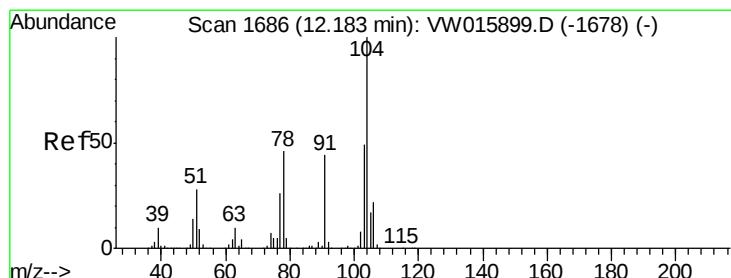
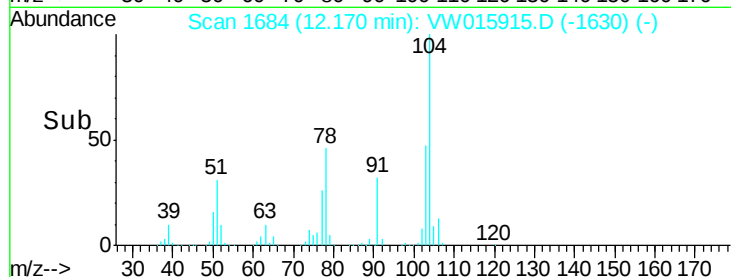
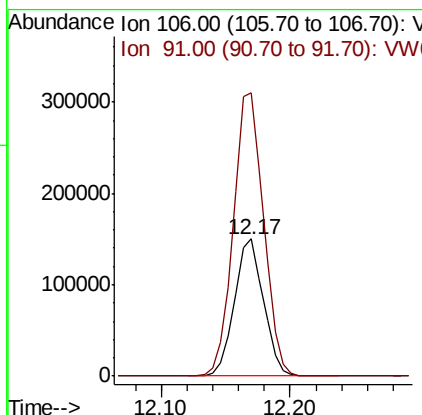
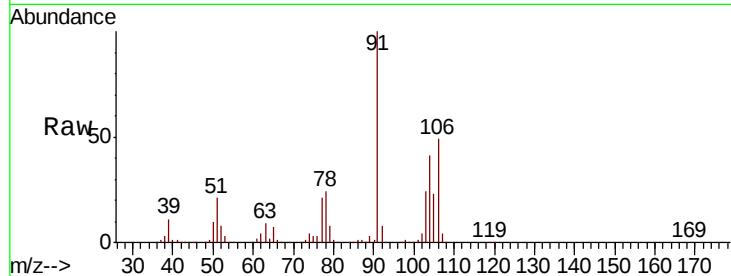




#55
o-xylene
Concen: 25.404 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

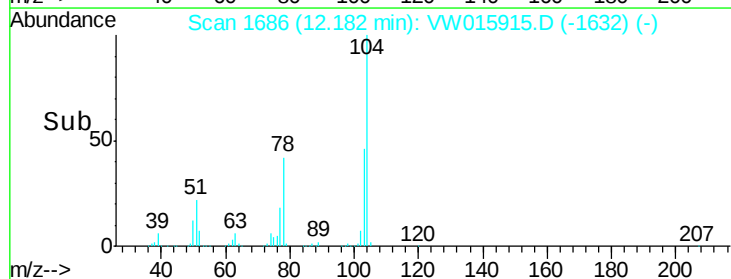
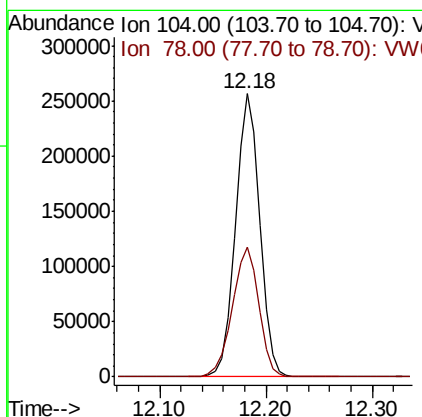
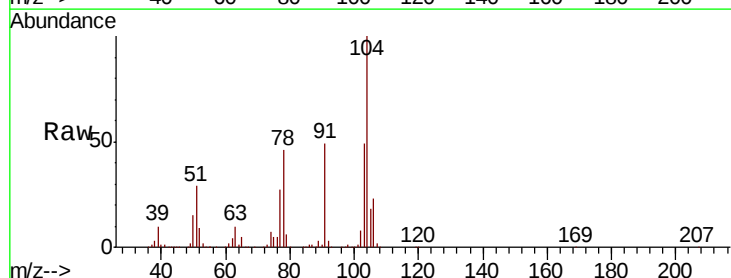
Instrument :
MSVOA_W
ClientSampleID :
VSTD02508

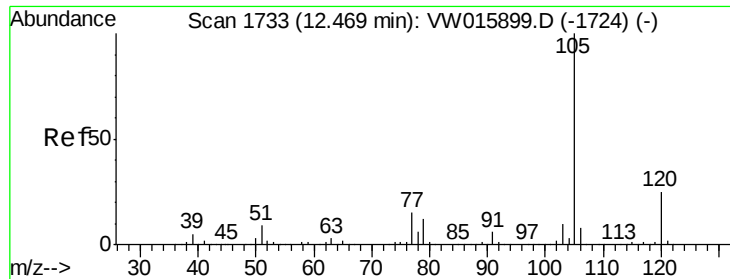
Tot Ion:106 Resp: 235486
Ion Ratio Lower Upper
106 100
91 206.2 146.8 272.6



#56
Styrene
Concen: 25.970 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015915.D
Acq: 22 Jul 2020 20:17

Tgt Ion:104 Resp: 409389
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4





#57

Isopropylbenzene

Concen: 25.309 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

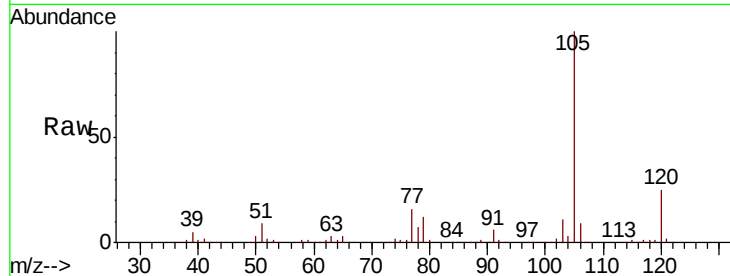
Tot Ion:105 Resp: 638631

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

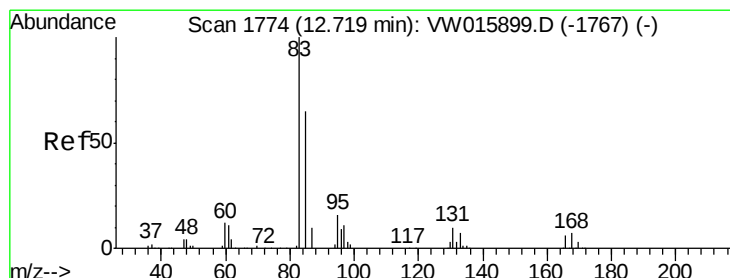
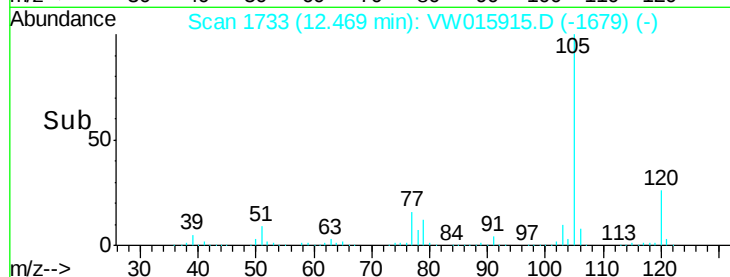
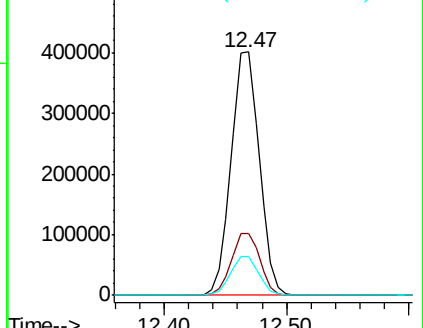
77 16.0 12.9 19.3



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: 29.506 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

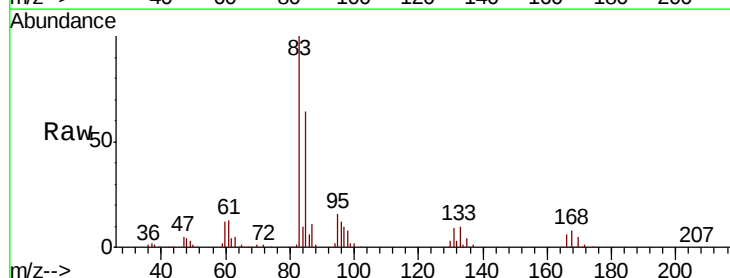
Tgt Ion: 83 Resp: 137705

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

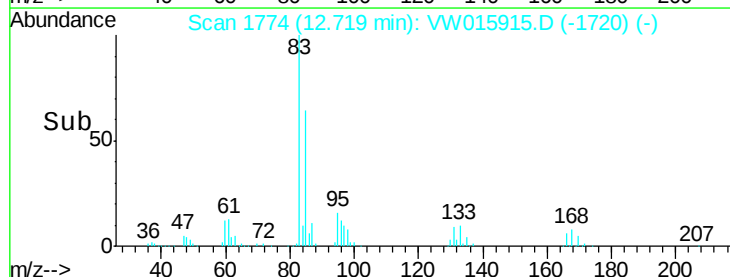
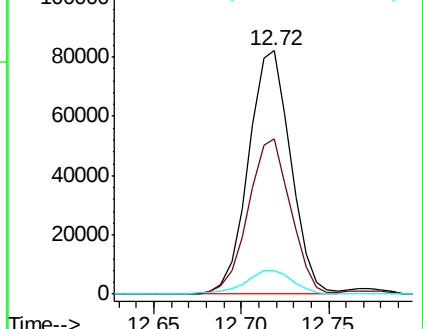
131 9.5 8.2 12.4

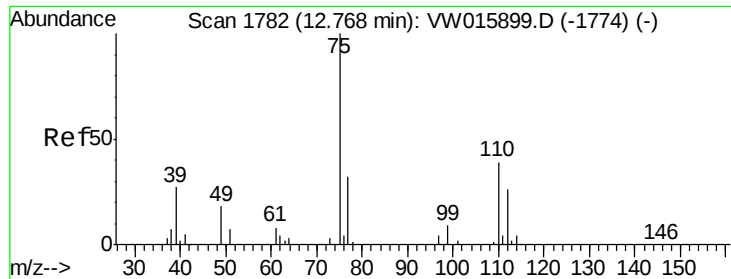


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

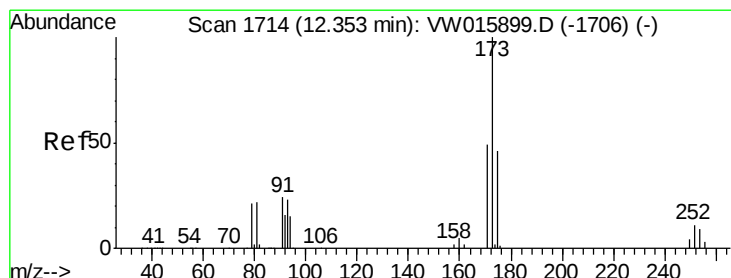
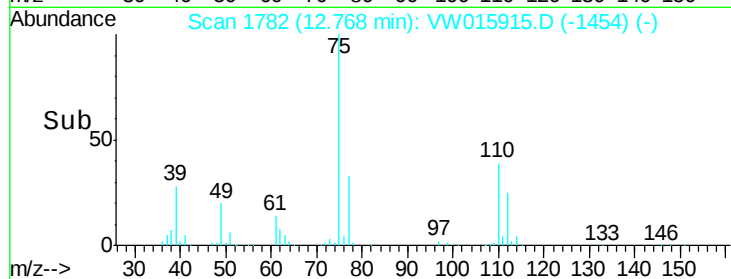
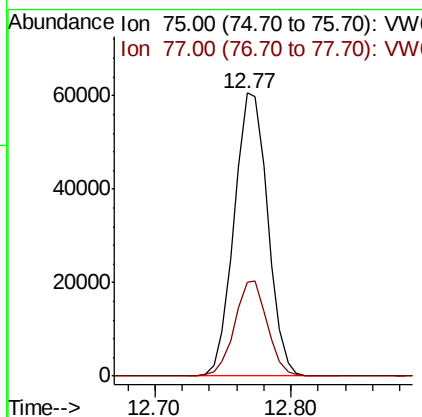
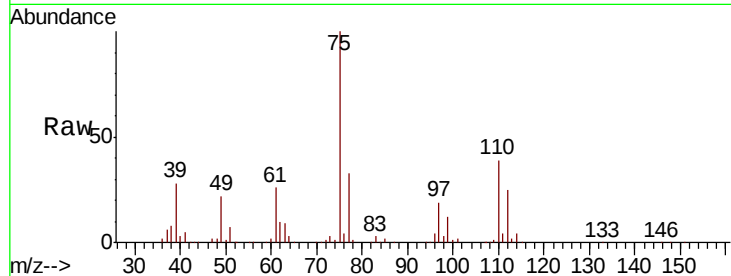




#59
 1,2,3-Trichloropropane
 Concen: 29.803 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

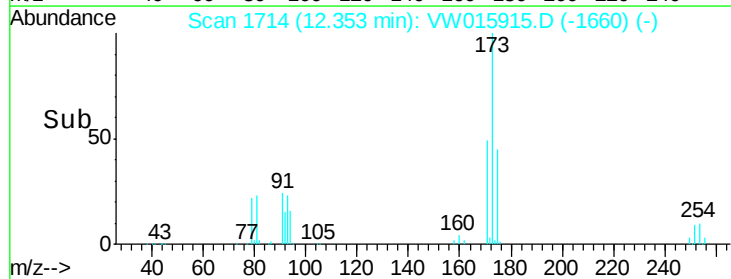
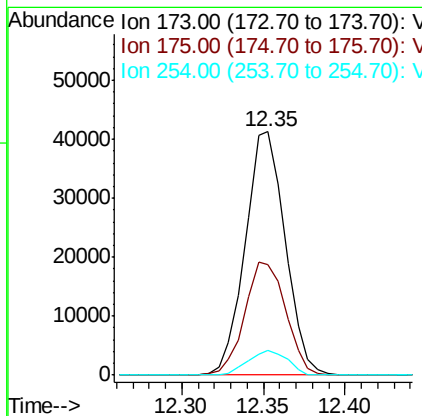
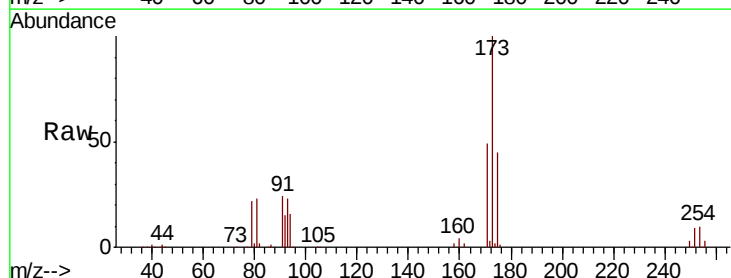
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

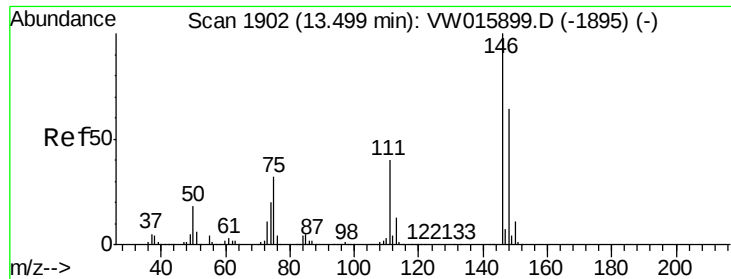
Tot Ion: 75 Resp: 104216
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.0 39.0



#62
 Bromoform
 Concen: 27.950 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

Tgt Ion: 173 Resp: 70601
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.7 58.1
 254 10.0 7.9 11.9

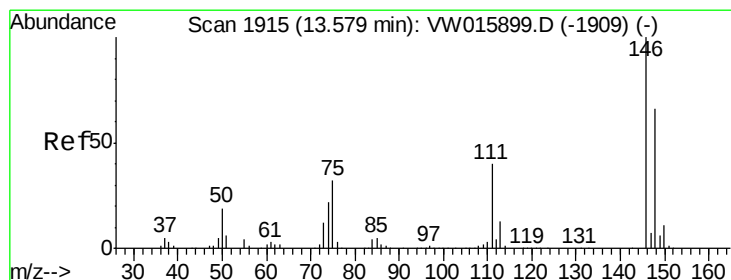
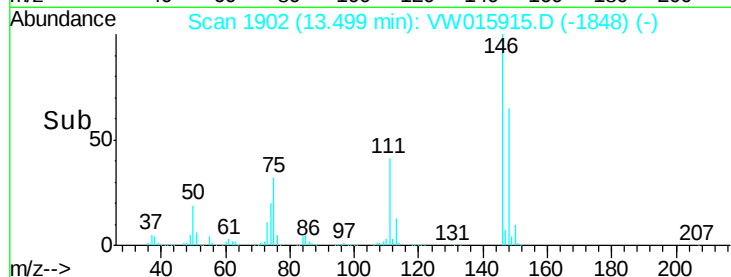
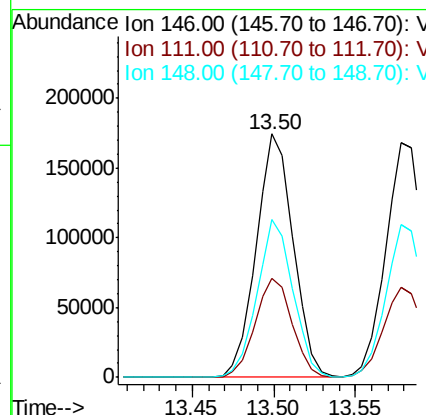
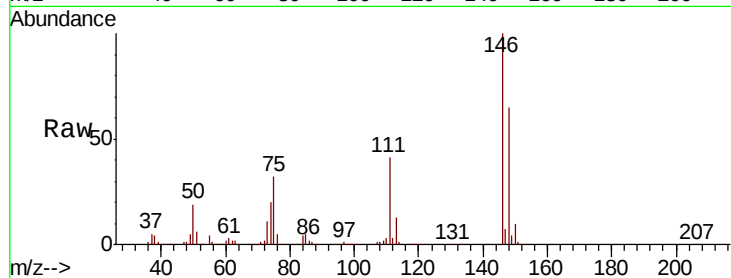




#63
 1,3-Dichlorobenzene
 Concen: 25.021 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

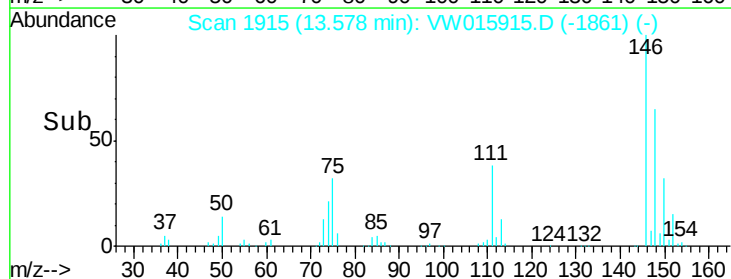
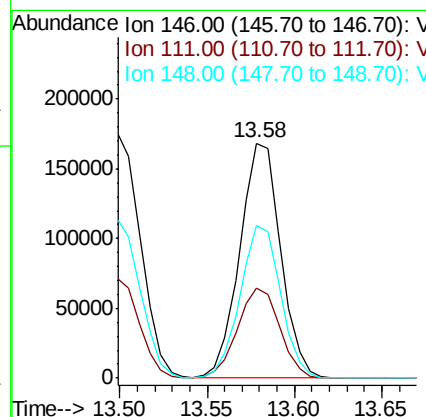
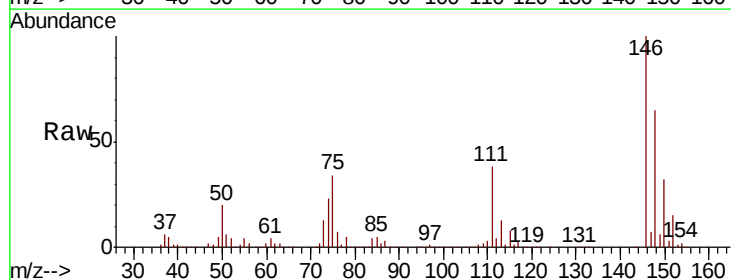
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

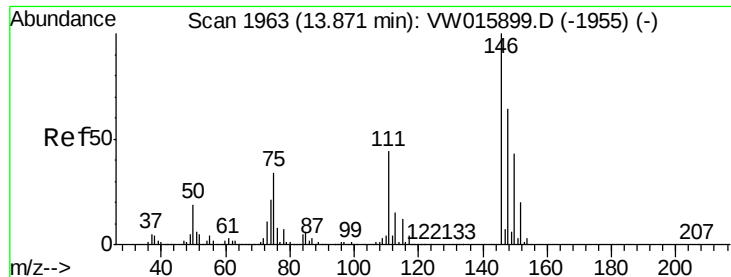
Tot Ion:146 Resp: 274983
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.9 51.7
 148 64.9 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 24.510 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

Tgt Ion:146 Resp: 273372
 Ion Ratio Lower Upper
 146 100
 111 38.3 29.3 54.3
 148 65.2 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 25.854 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

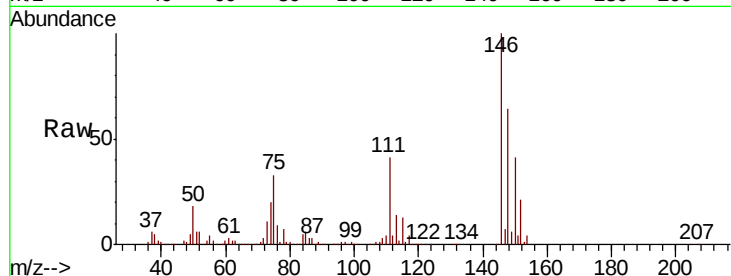
Tot Ion:146 Resp: 258088

Ion Ratio Lower Upper

146 100

111 40.8 32.9 49.3

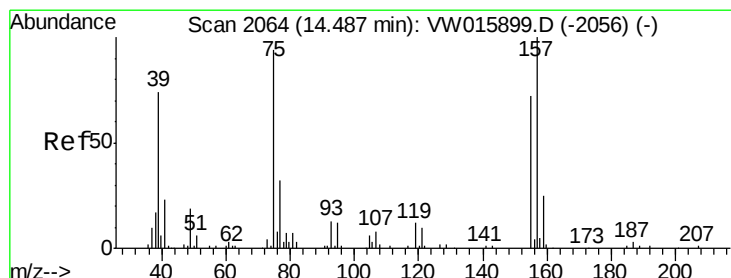
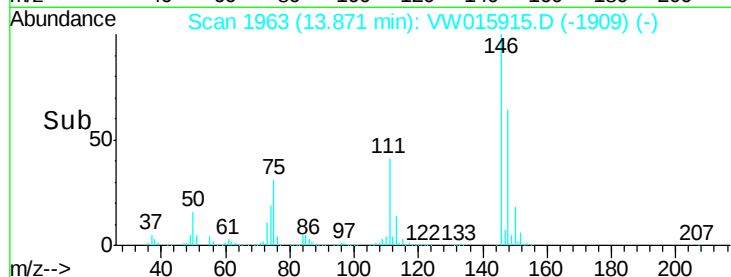
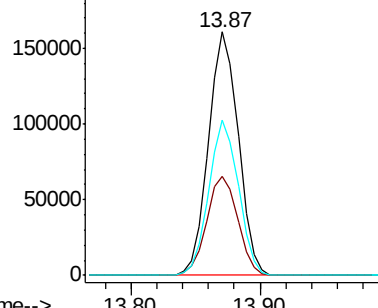
148 63.8 48.8 73.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 31.814 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

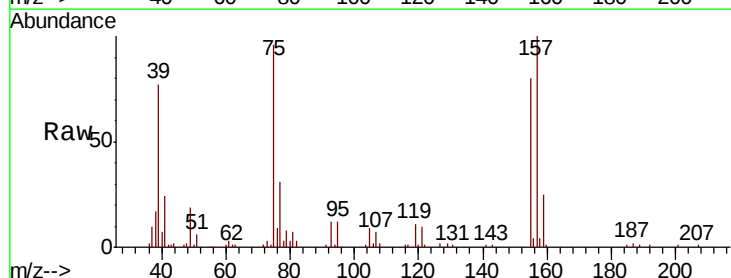
Tgt Ion: 75 Resp: 23904

Ion Ratio Lower Upper

75 100

157 104.4 83.0 124.4

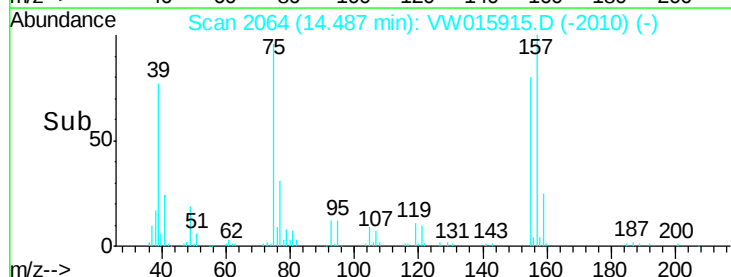
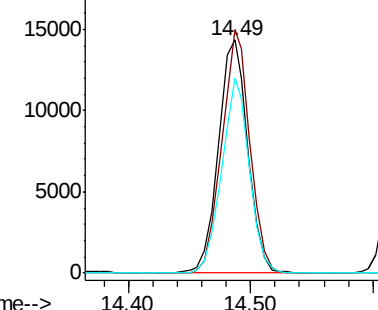
155 83.6 66.9 100.3

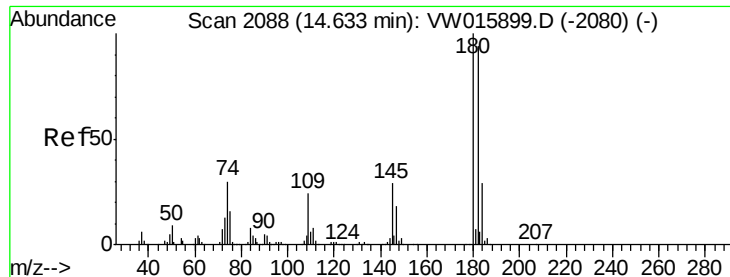


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

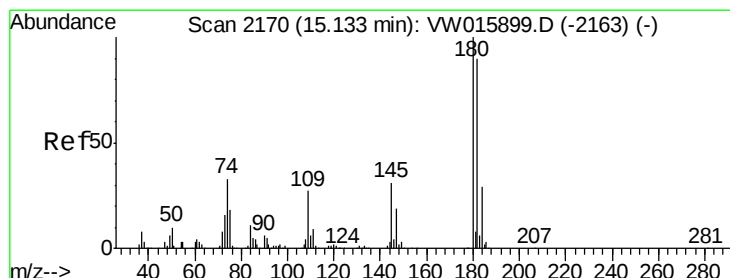
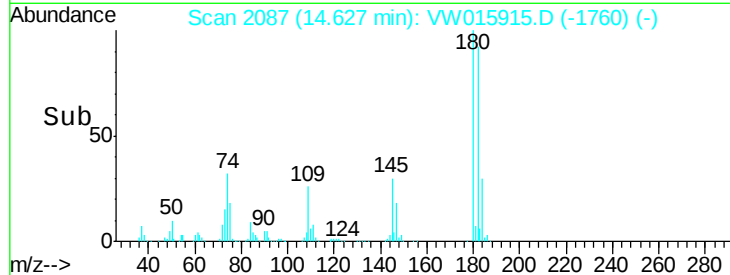
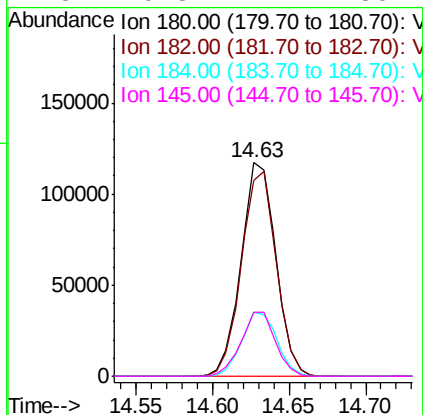
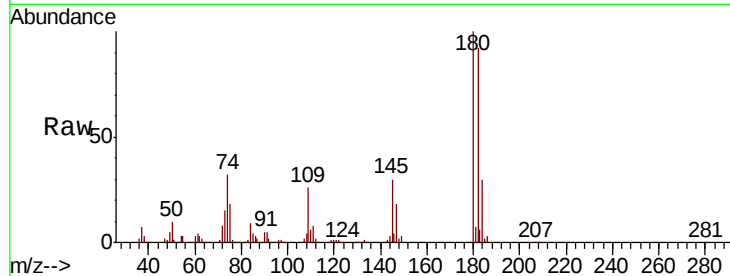




#67
 1,3,5-Trichlorobenzene
 Concen: 24.007 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

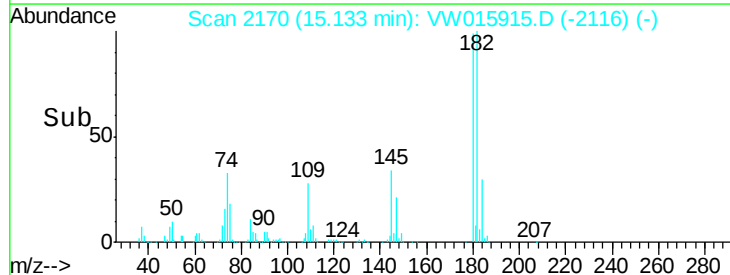
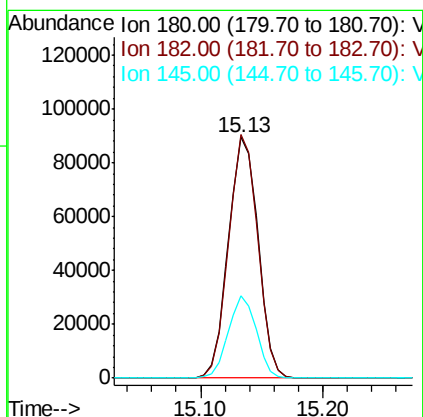
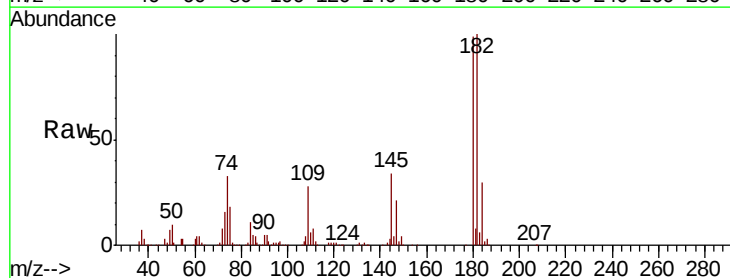
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

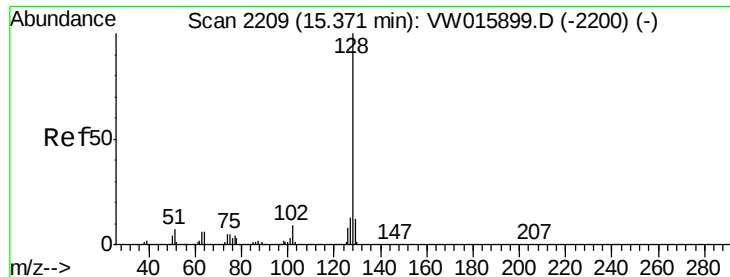
Tot Ion	180	Resp	185511
Ion Ratio	100	Lower	Upper
180	100		
182	95.8	75.4	113.0
184	30.4	24.6	37.0
145	29.8	24.1	36.1



#68
 1,2,4-trichlorobenzene
 Concen: 24.542 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015915.D
 Acq: 22 Jul 2020 20:17

Tgt Ion	180	Resp	150638
Ion Ratio	100	Lower	Upper
180	100		
182	98.4	76.0	114.0
145	32.1	24.3	36.5





#69

Naphthalene

Concen: 30.019 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

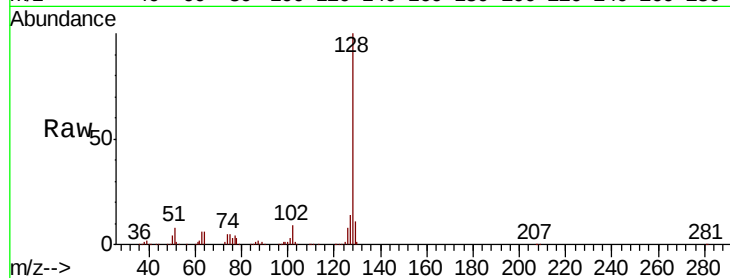
Tot Ion:128 Resp: 347117

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

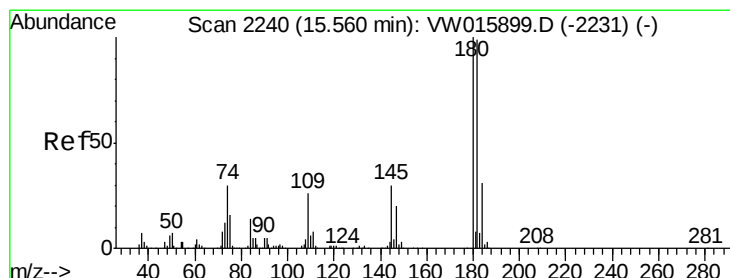
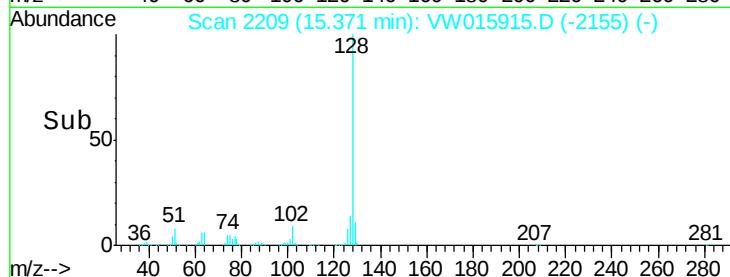
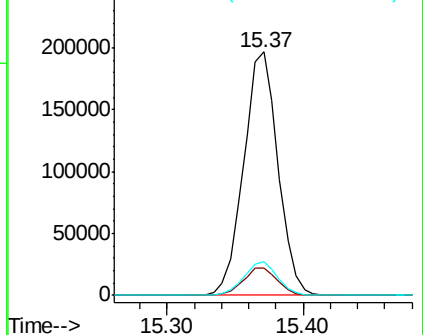
127 13.5 10.5 15.7



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: 26.666 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015915.D

Acq: 22 Jul 2020 20:17

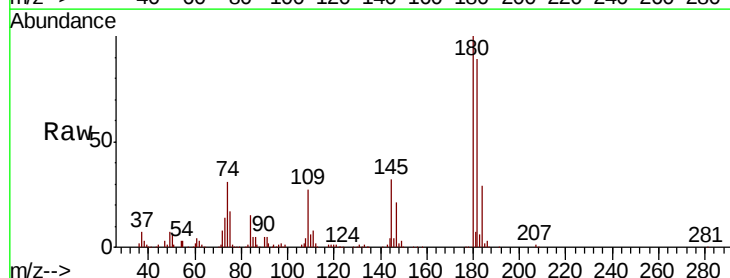
Tgt Ion:180 Resp: 145835

Ion Ratio Lower Upper

180 100

182 92.9 74.0 111.0

145 32.6 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

