

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071420\
 Data File : VW015857.D
 Acq On : 14 Jul 2020 14:18
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Jul 15 06:39:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 15 06:37:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	312530	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312005	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163259	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125415	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.80%
7) Chloroethane-d5	2.90	69	128294	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.80%
10) 1,1-Dichloroethene-d2	4.01	63	152360	20.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.52%
20) 2-Butanone-d5	7.09	46	38857	46.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.18%
24) Chloroform-d	7.65	84	203653	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.31	65	110303	24.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.44%
29) Benzene-d6	8.27	84	411419	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.27	67	112222	22.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.08%
37) Toluene-d8	10.32	98	403216	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.12%
38) trans-1,3-Dichloropropene-	10.58	79	49117	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.32%
39) 2-Hexanone-d5	10.93	63	34876	49.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98311	24.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	151469	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	40813	19.954	ug/L	99
3) Chloromethane	2.21	50	83044	24.480	ug/L	96
5) Vinyl chloride	2.37	62	147959	25.117	ug/L	98
6) Bromomethane	2.79	94	124555	23.235	ug/L	99
8) Chloroethane	2.93	64	107310	25.008	ug/L	99
9) Trichlorofluoromethane	3.26	101	148230	25.461	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	76715	22.053	ug/L	98
12) 1,1-Dichloroethene	4.03	96	73717	22.452	ug/L	92
13) Acetone	4.13	43	28768	45.232	ug/L	100
14) Carbon disulfide	4.38	76	241913	22.261	ug/L	99
15) Methyl Acetate	4.68	43	30288	23.213	ug/L	99
16) Methylene chloride	4.92	84	97372	23.509	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	97406	24.154	ug/L	97
19) 1,1-Dichloroethane	6.21	63	171115	24.497	ug/L	99
21) 2-Butanone	7.17	43	42327	48.977	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	105673	25.008	ug/L	95
23) Bromochloromethane	7.52	128	48974	25.932	ug/L	94

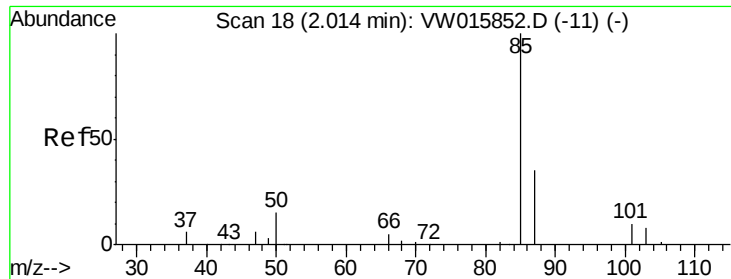
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071420\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jul 15 06:37:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	188969	24.871	ug/L	99
27) 1,2-Dichloroethane	8.40	62	125474	25.280	ug/L	99
30) Cyclohexane	7.96	56	157310	24.701	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170192	24.677	ug/L	100
32) Carbon tetrachloride	8.07	117	160281	24.835	ug/L	100
34) Benzene	8.32	78	439973	25.339	ug/L	100
35) Trichloroethene	9.09	95	117366	24.896	ug/L	98
36) Methylcyclohexane	9.34	83	202493	25.091	ug/L	99
40) 1,2-Dichloropropane	9.37	63	102071	24.718	ug/L	100
41) Bromodichloromethane	9.65	83	141122	25.067	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	161524	26.050	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	97921	50.434	ug/L	99
44) Toluene	10.39	91	501394	25.654	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	141062	25.576	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82169	25.700	ug/L	94
47) Tetrachloroethene	10.87	164	101413	26.431	ug/L	100
49) 2-Hexanone	10.97	43	68982	50.128	ug/L	98
50) Dibromochloromethane	11.13	129	101092	26.367	ug/L	94
51) 1,2-Dibromoethane	11.24	107	79363	26.089	ug/L	100
52) Chlorobenzene	11.66	112	335754	26.153	ug/L	98
53) Ethylbenzene	11.73	91	577268	26.080	ug/L	99
54) m,p-Xylene	11.84	106	225269	26.522	ug/L	96
55) o-xylene	12.17	106	216832	26.859	ug/L	100
56) Styrene	12.18	104	367790	27.040	ug/L	100
57) Isopropylbenzene	12.46	105	596535	26.941	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	95686	26.259	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68433	25.568	ug/L	100
62) Bromoform	12.35	173	55147	25.012	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	269309	26.197	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	269888	25.917	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	239396	25.700	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.49	75	13789	23.944	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	181223	26.444	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	138834	25.944	ug/L	96
69) Naphthalene	15.37	128	264065	27.698	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	127612	26.728	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.954 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

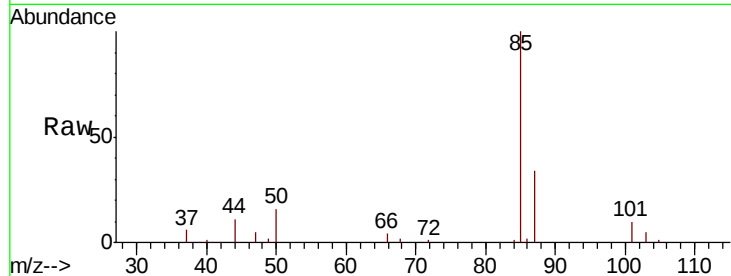
VSTD02527

Tot Ion: 85 Resp: 40813

Ion Ratio Lower Upper

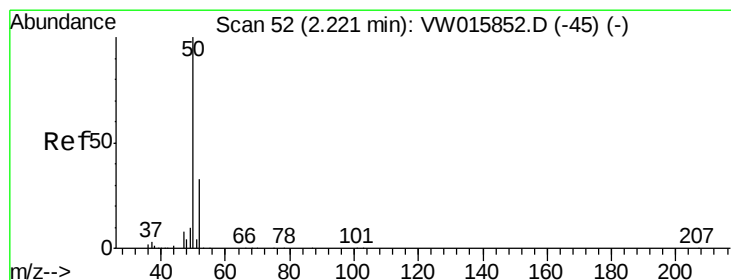
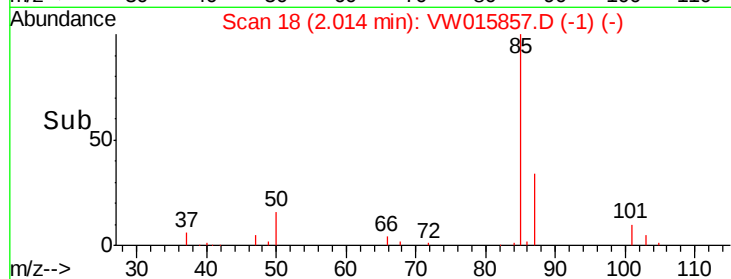
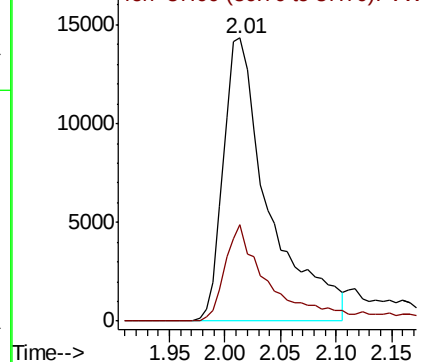
85 100

87 32.3 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.480 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015857.D

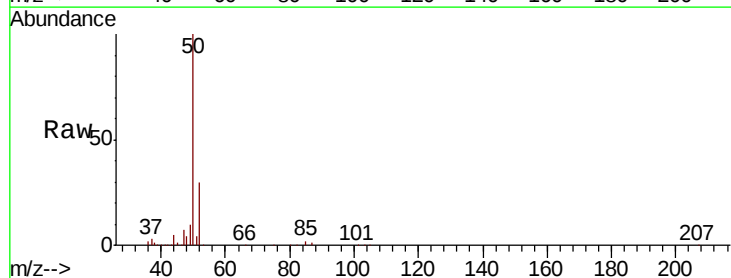
Acq: 14 Jul 2020 14:18

Tgt Ion: 50 Resp: 83044

Ion Ratio Lower Upper

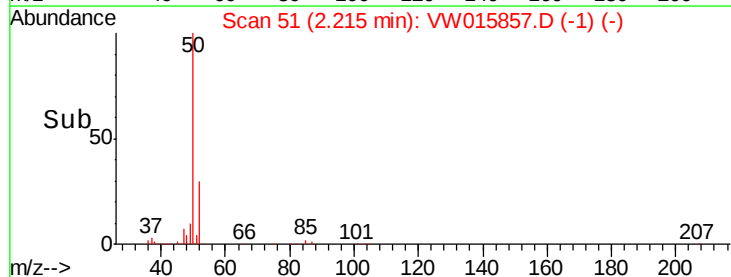
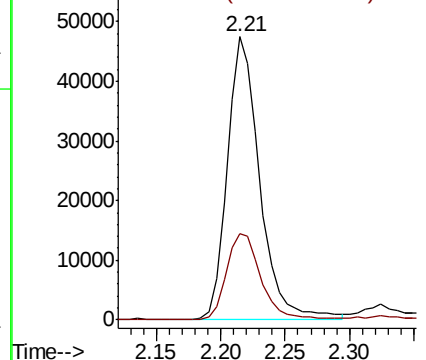
50 100

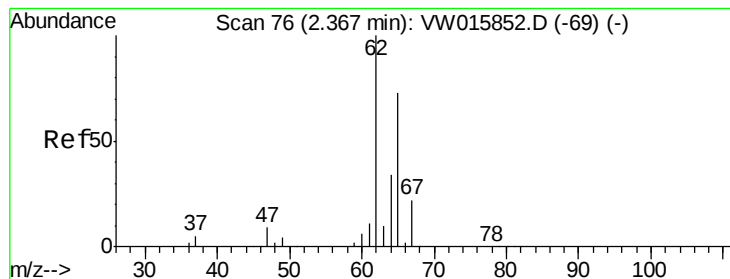
52 30.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.117 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

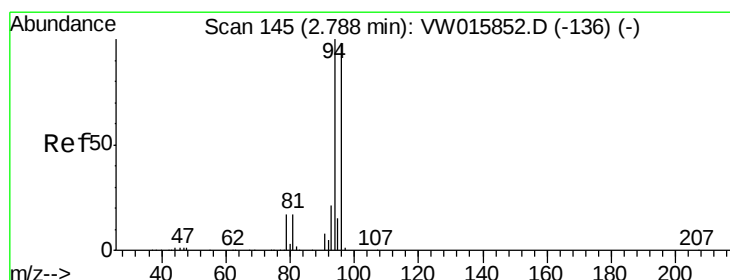
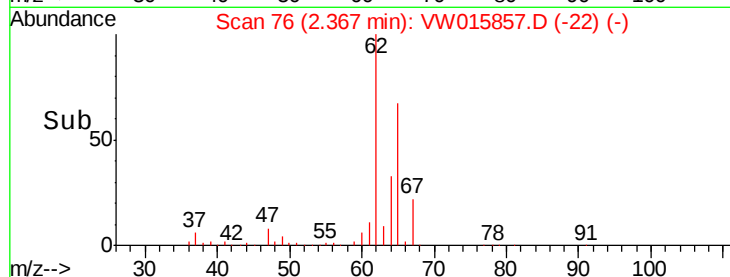
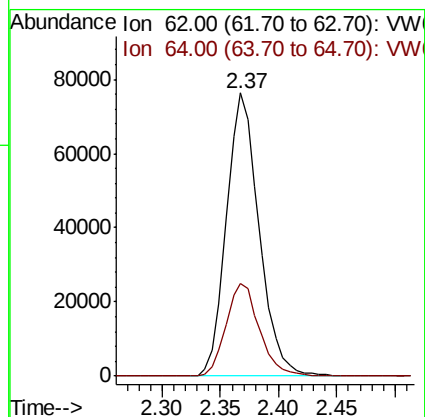
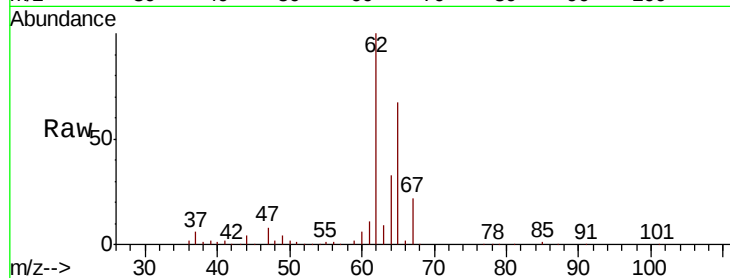
VSTD02527

Tot Ion: 62 Resp: 147959

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



#6

Bromomethane

Concen: 23.235 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015857.D

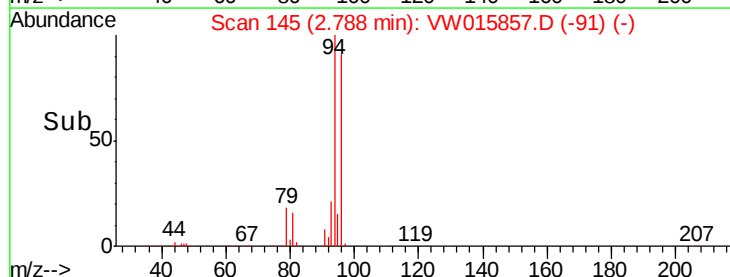
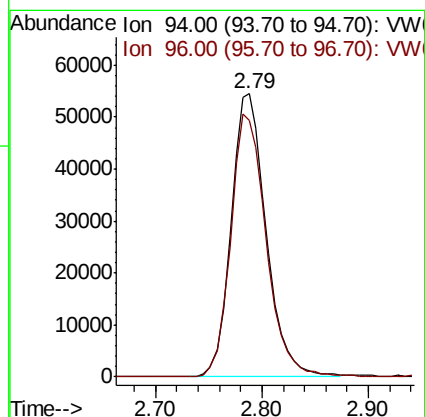
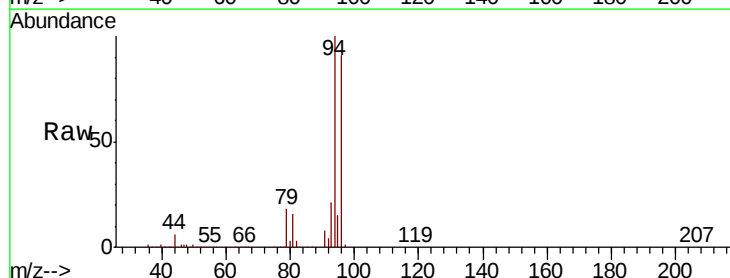
Acq: 14 Jul 2020 14:18

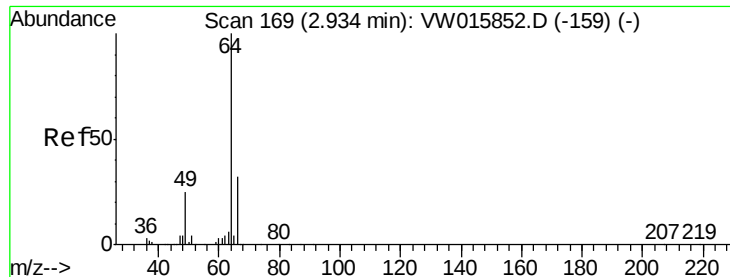
Tgt Ion: 94 Resp: 124555

Ion Ratio Lower Upper

94 100

96 95.4 9.4 179.0

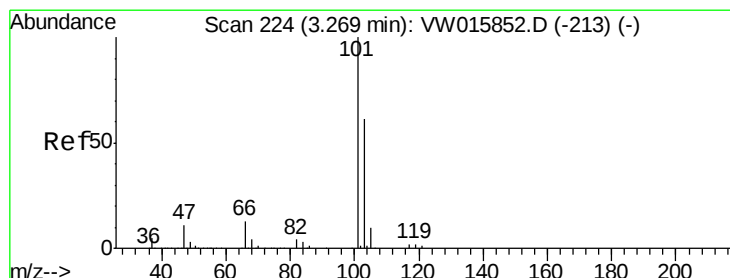
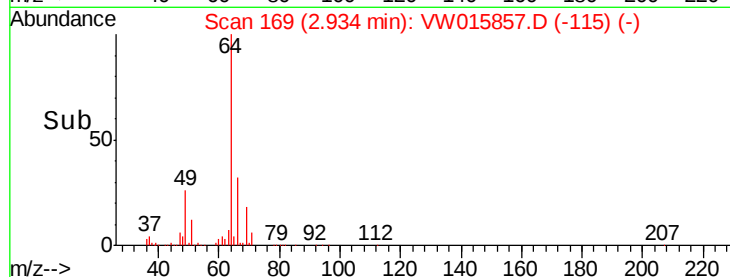
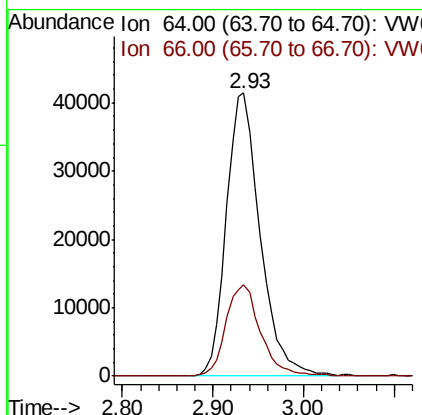
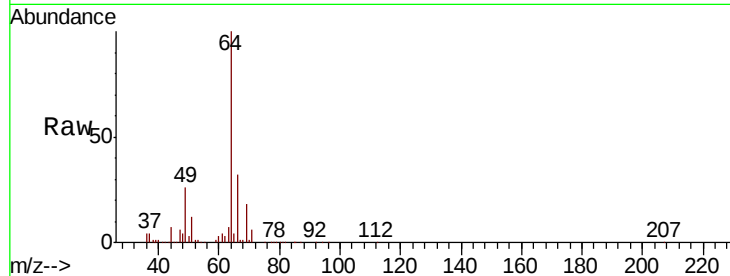




#8
Chloroethane
Concen: 25.008 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

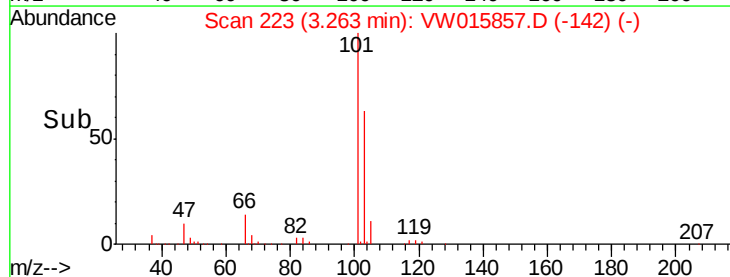
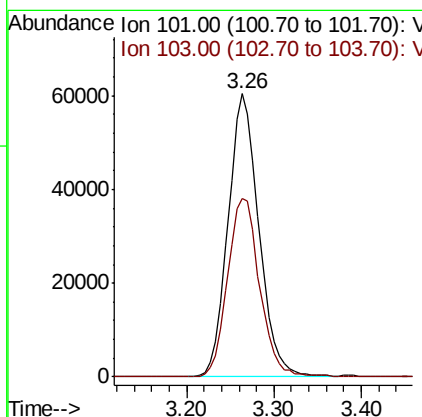
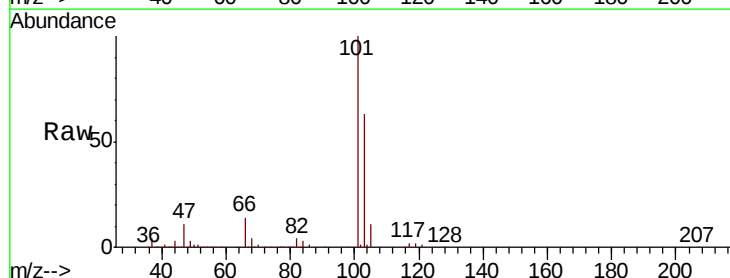
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

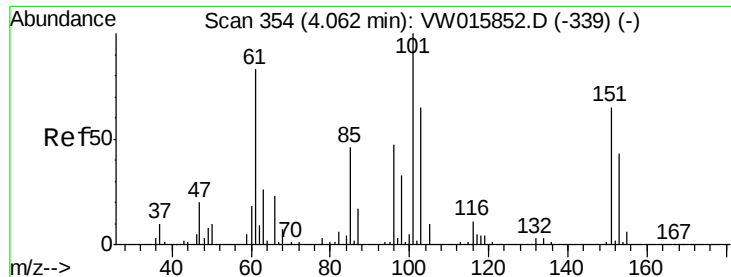
Tot Ion: 64 Resp: 107310
Ion Ratio Lower Upper
64 100
66 32.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 25.461 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion: 101 Resp: 148230
Ion Ratio Lower Upper
101 100
103 65.7 46.1 85.5





#11

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

Concen: 22.053 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02527

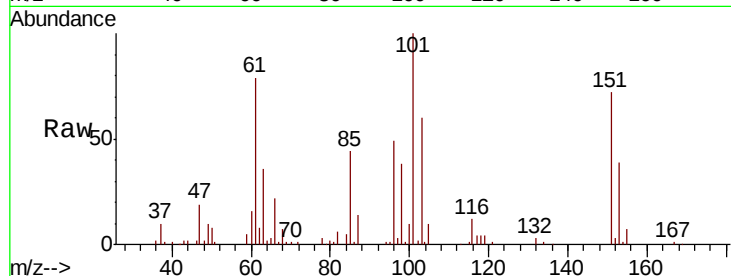
Tot Ion: 101 Resp: 76715

Ion Ratio Lower Upper

101 100

85 46.3 38.8 58.2

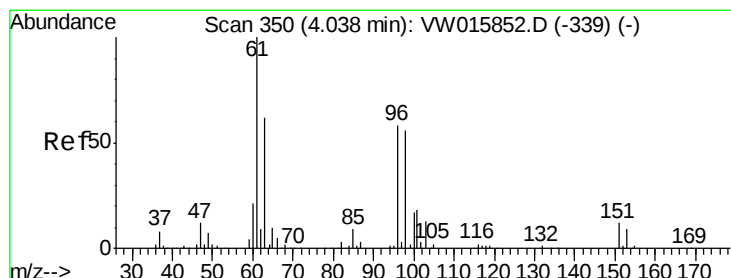
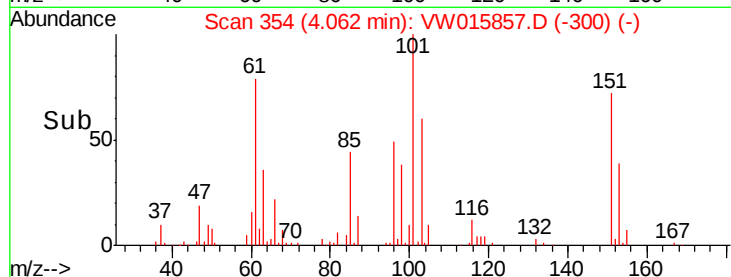
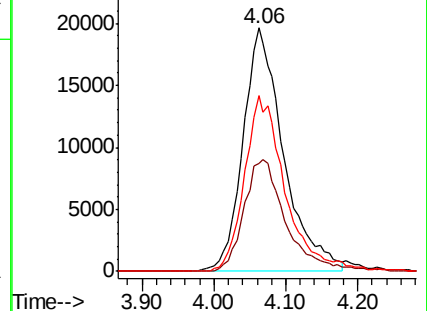
151 70.3 55.9 83.9



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: 22.452 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

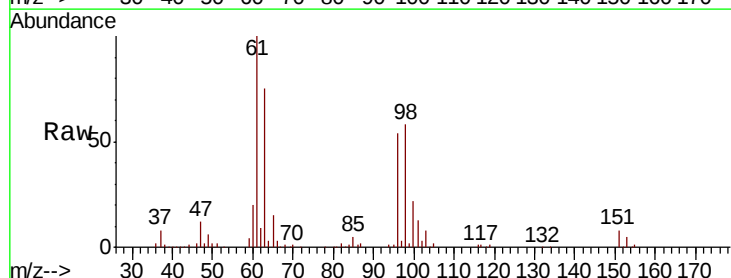
Tgt Ion: 96 Resp: 73717

Ion Ratio Lower Upper

96 100

61 184.5 131.7 244.5

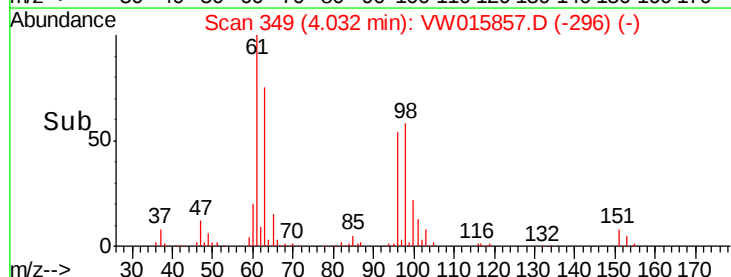
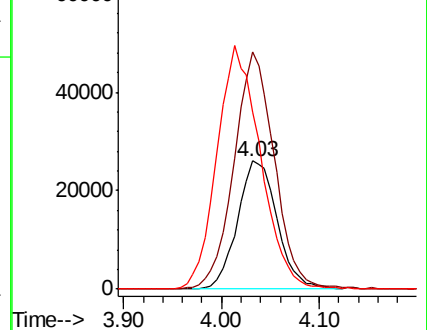
63 137.8 110.4 205.0

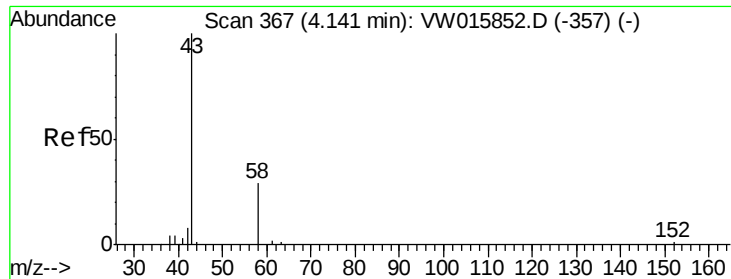


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

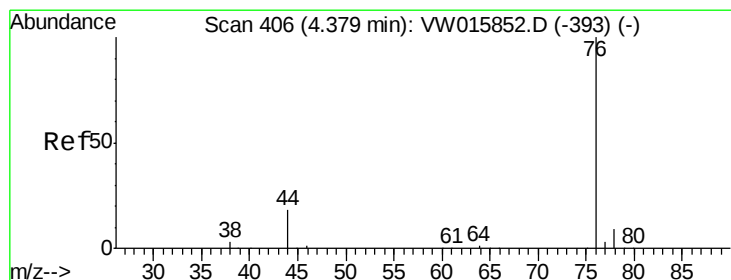
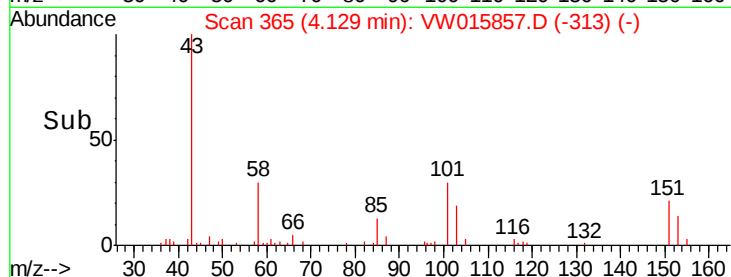
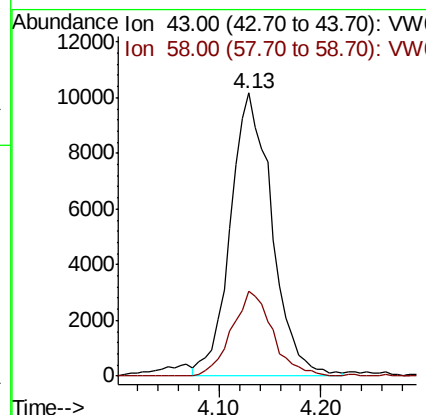
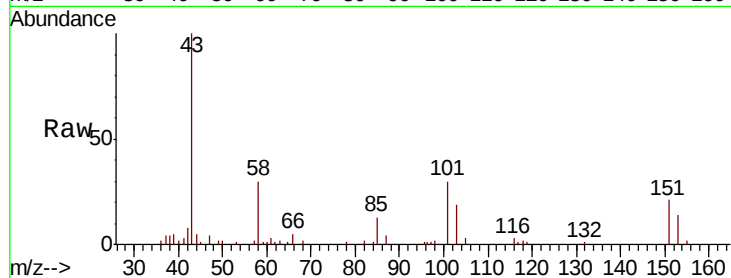




#13
Acetone
Concen: 45.232 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

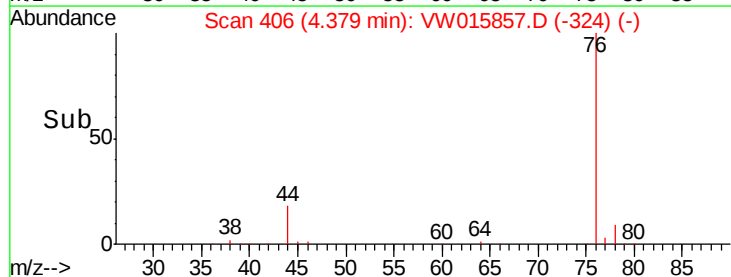
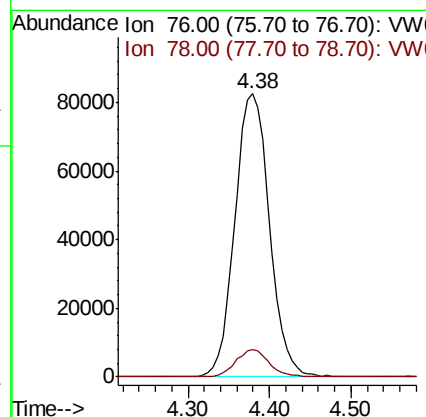
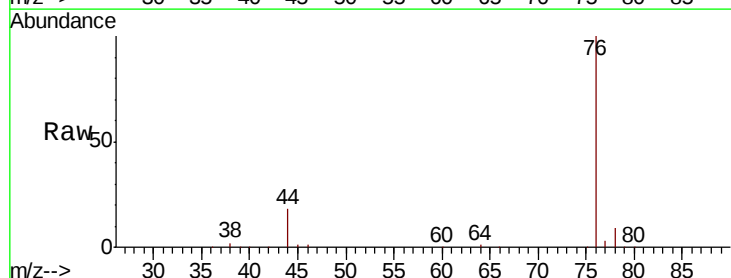
Instrument :
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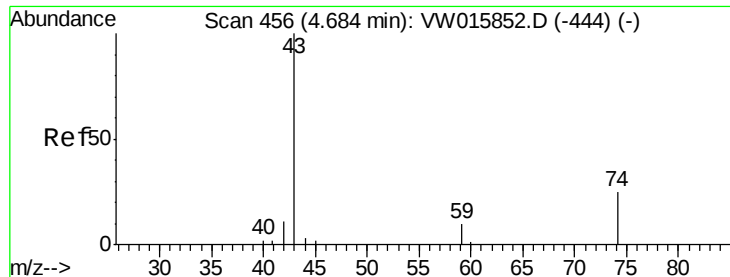
Tot Ion: 43 Resp: 28768
Ion Ratio Lower Upper
43 100
58 29.5 0.0 59.4



#14
Carbon disulfide
Concen: 22.261 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion: 76 Resp: 241913
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 23.213 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

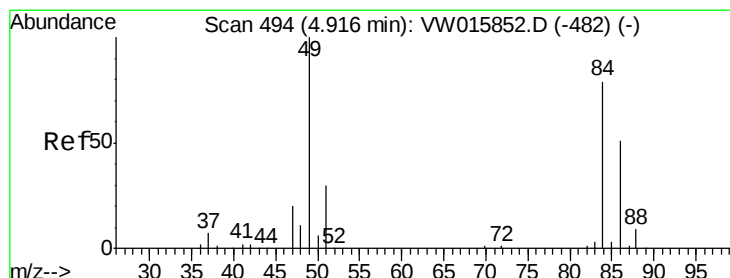
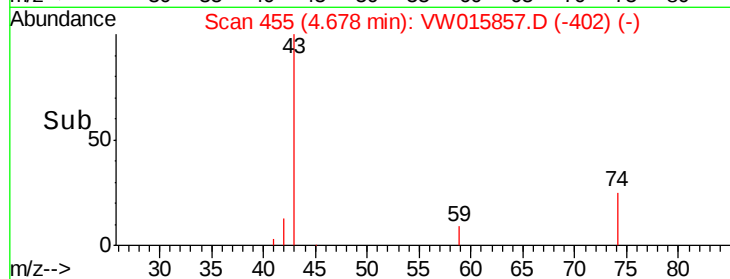
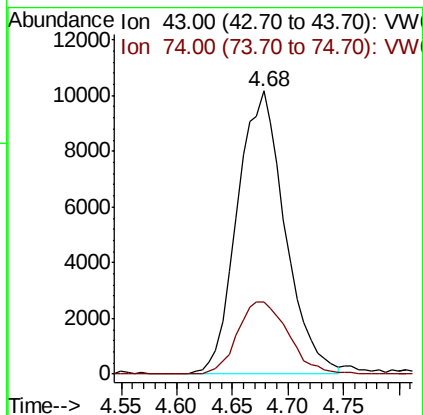
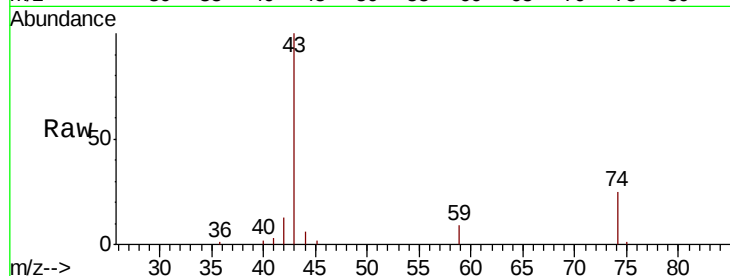
VSTD02527

Tot Ion: 43 Resp: 30288

Ion Ratio Lower Upper

43 100

74 27.0 21.4 32.0



#16

Methylene chloride

Concen: 23.509 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

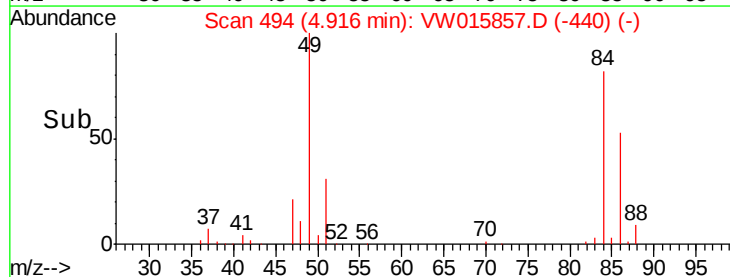
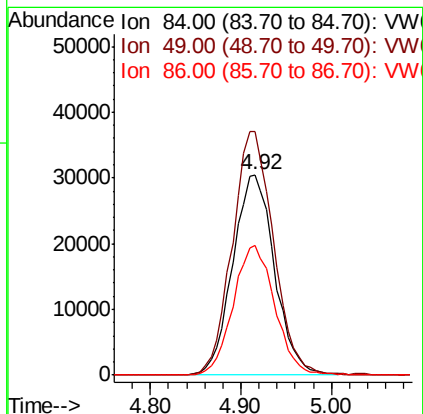
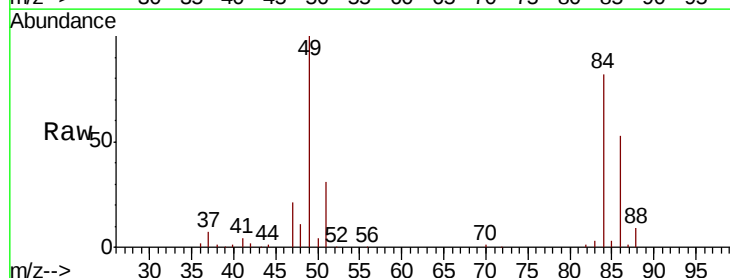
Tgt Ion: 84 Resp: 97372

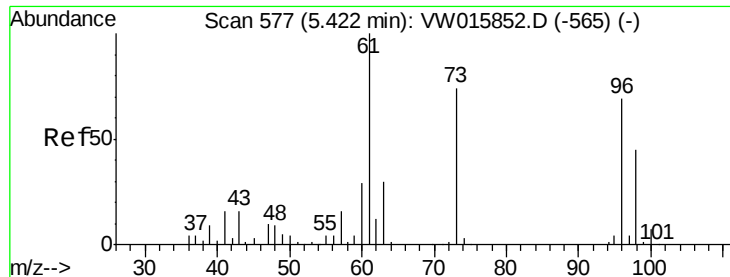
Ion Ratio Lower Upper

84 100

49 121.3 82.5 153.1

86 64.9 45.4 84.2

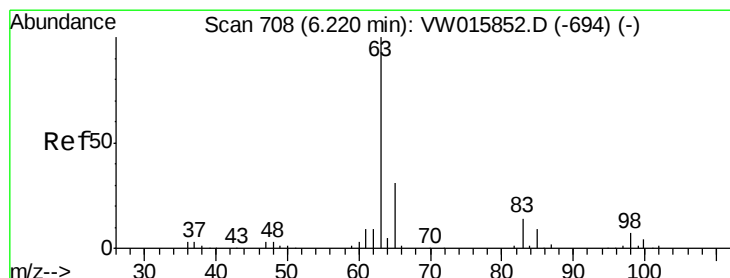
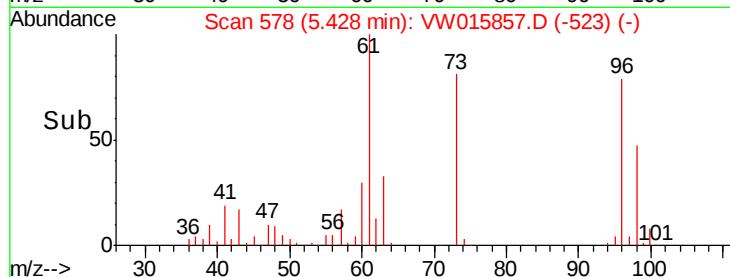
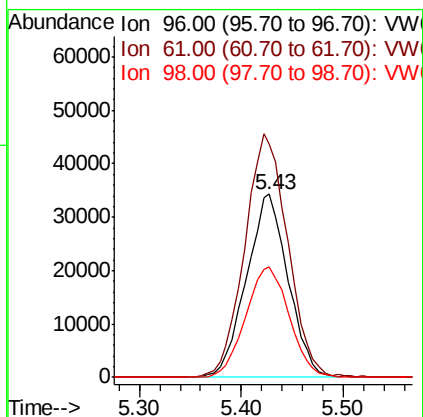
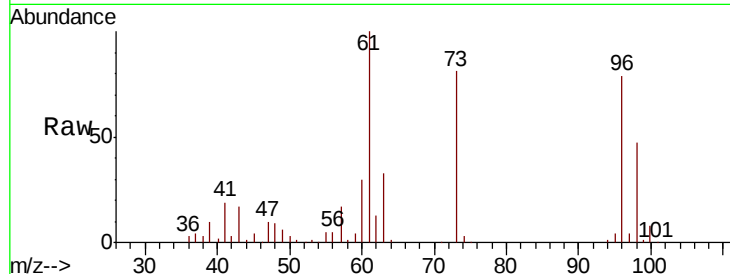




#18
 trans-1,2-Dichloroethene
 Concen: 24.154 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

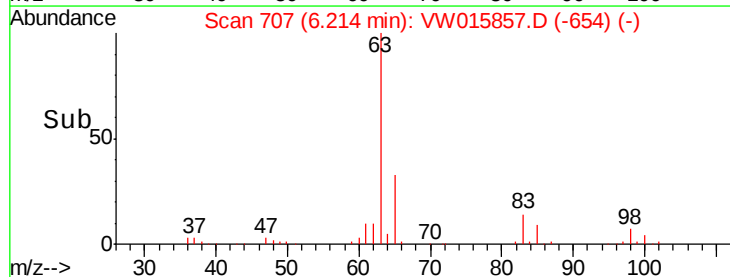
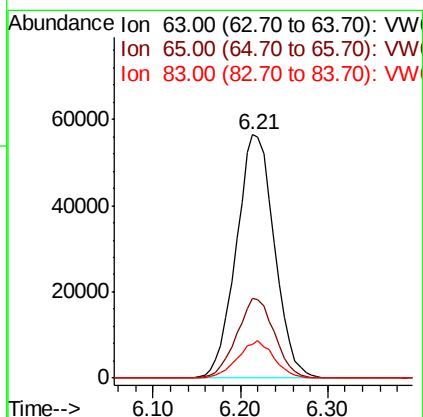
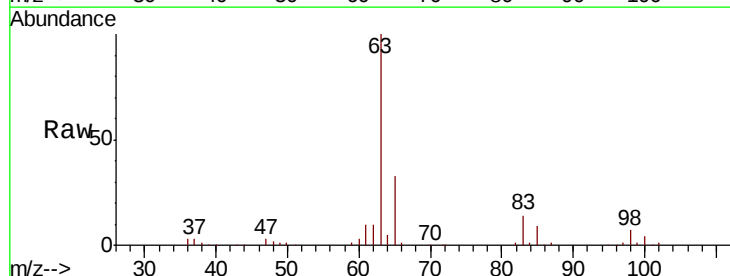
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

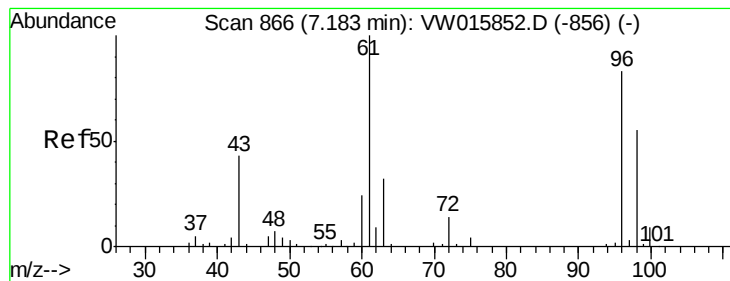
Tot Ion: 96 Resp: 97406
 Ion Ratio Lower Upper
 96 100
 61 127.2 92.5 171.7
 98 60.1 41.1 76.3



#19
 1,1-Dichloroethane
 Concen: 24.497 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

Tgt Ion: 63 Resp: 171115
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.5 41.7
 83 14.0 9.9 18.5





#21

2-Butanone

Concen: 48.977 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

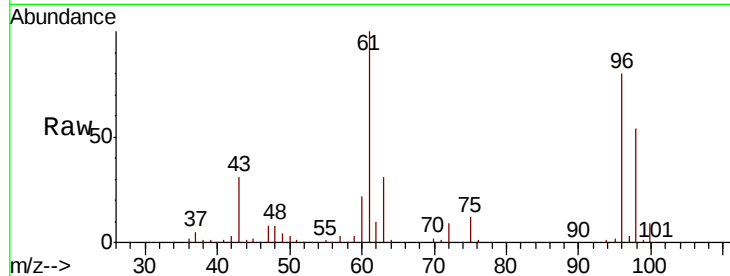
VSTD02527

Tot Ion: 43 Resp: 42327

Ion Ratio Lower Upper

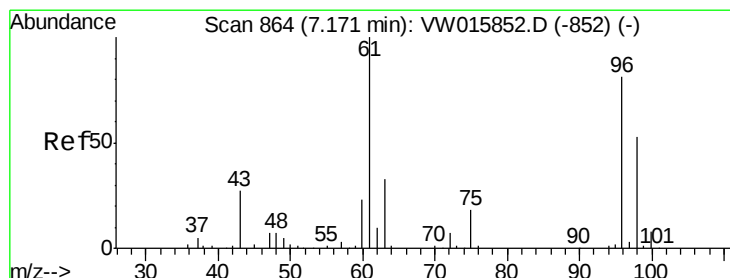
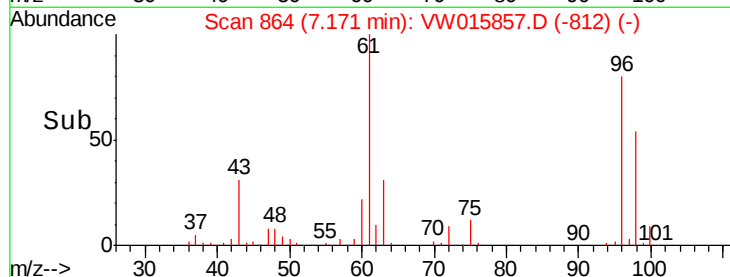
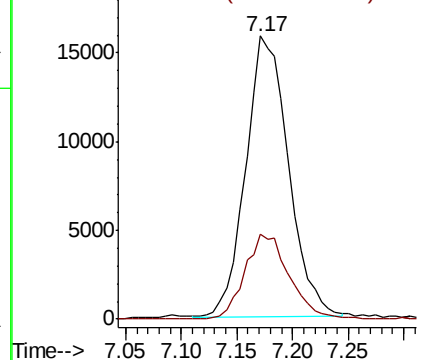
43 100

72 31.2 15.6 46.7



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: 25.008 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

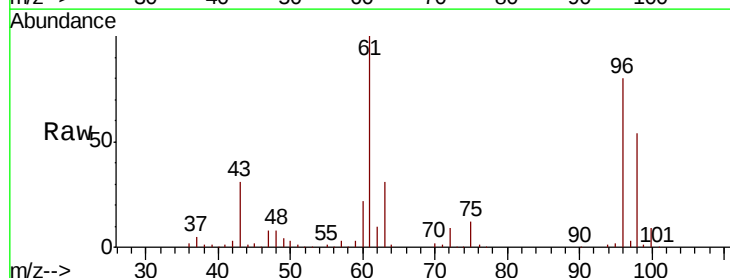
Tgt Ion: 96 Resp: 105673

Ion Ratio Lower Upper

96 100

61 124.6 83.7 155.5

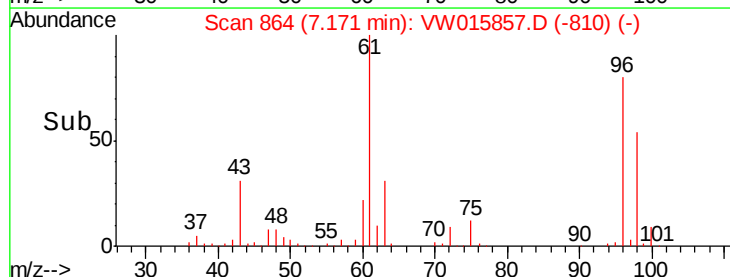
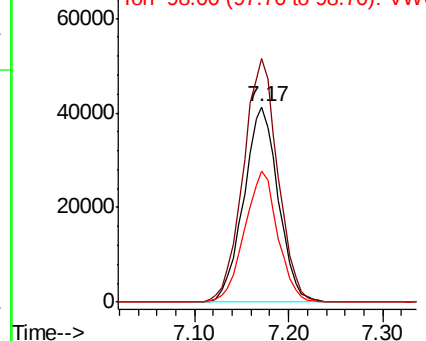
98 66.8 43.0 80.0

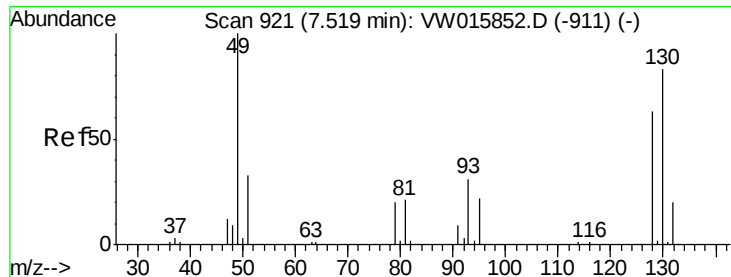


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

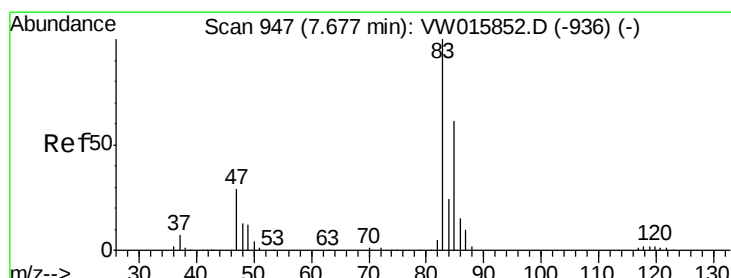
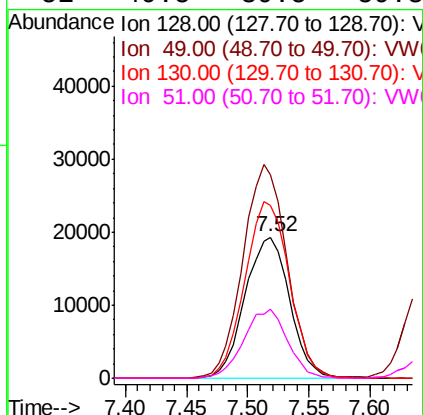
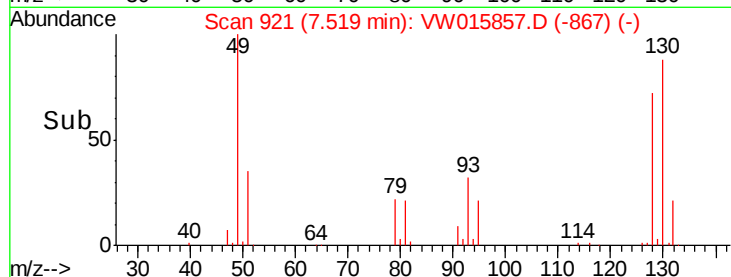
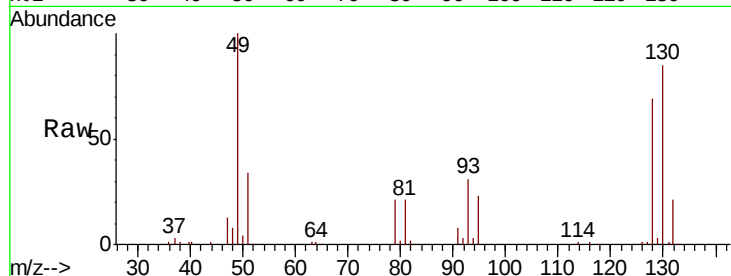




#23
 Bromochloromethane
 Concen: 25.932 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

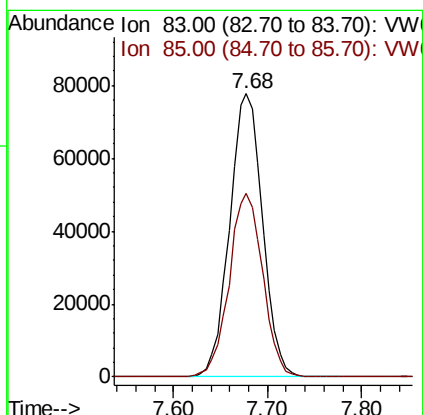
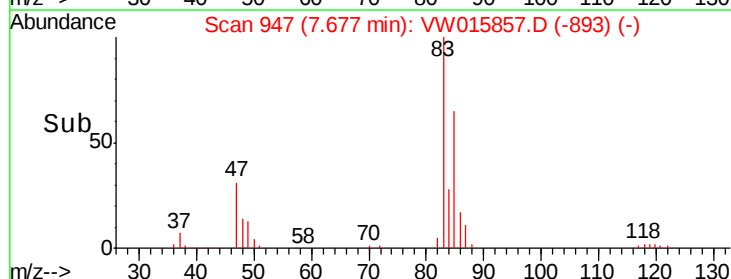
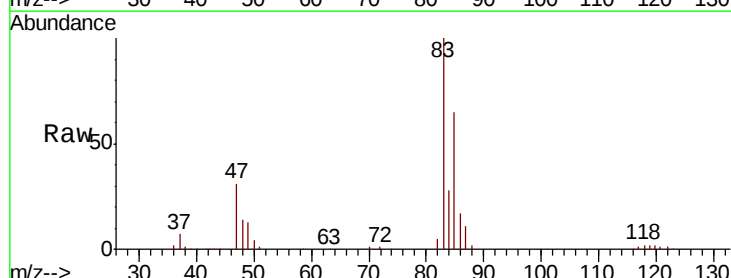
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

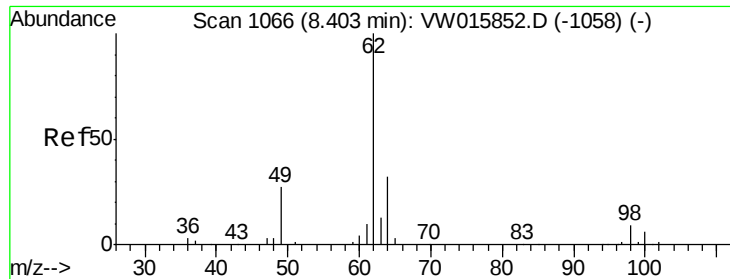
Tot Ion:	128	Resp:	48974
Ion	Ratio	Lower	Upper
128	100		
49	144.8	108.8	202.2
130	122.6	89.8	166.8
51	49.5	39.5	59.3



#25
 Chloroform
 Concen: 24.871 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

Tgt Ion:	83	Resp:	188969
Ion	Ratio	Lower	Upper
83	100		
85	66.1	45.6	84.8

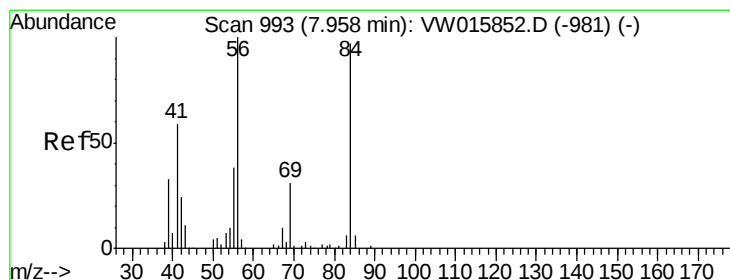
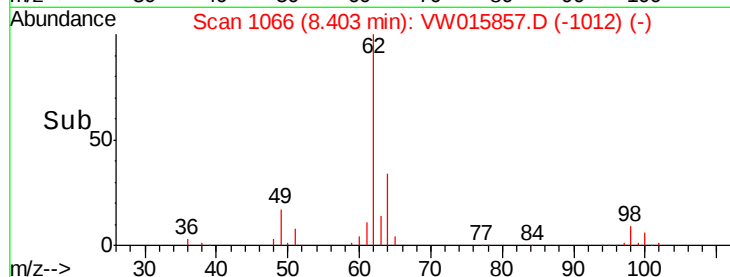
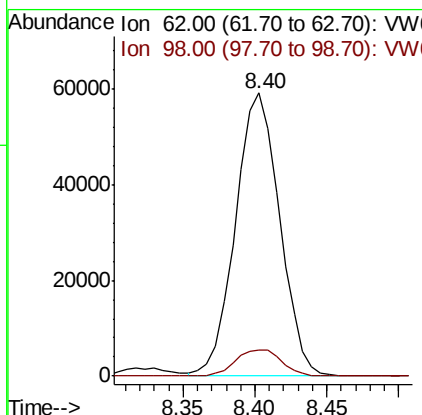
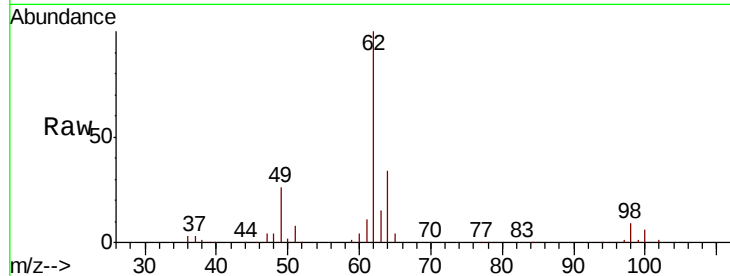




#27
 1,2-Dichloroethane
 Concen: 25.280 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

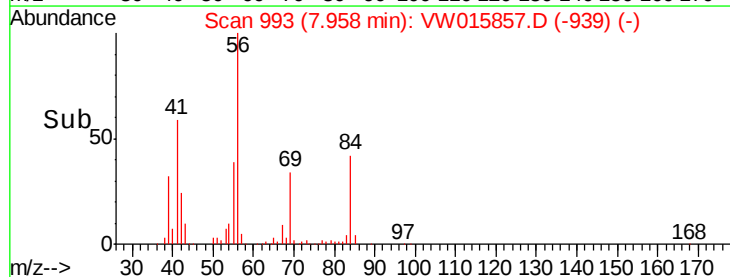
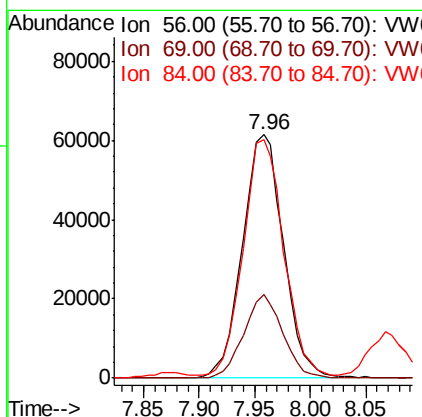
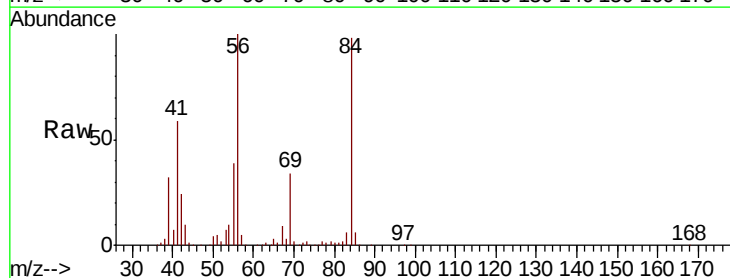
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

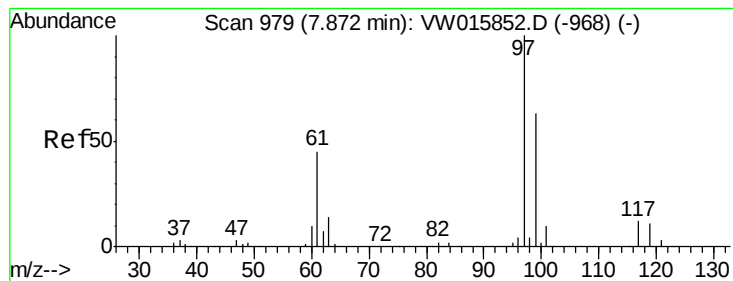
Tot Ion: 62 Resp: 125474
 Ion Ratio Lower Upper
 62 100
 98 9.4 7.7 11.5



#30
 Cyclohexane
 Concen: 24.701 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

Tgt Ion: 56 Resp: 157310
 Ion Ratio Lower Upper
 56 100
 69 32.8 25.8 38.8
 84 98.3 78.3 117.5





#31

1,1,1-Trichloroethane

Concen: 24.677 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

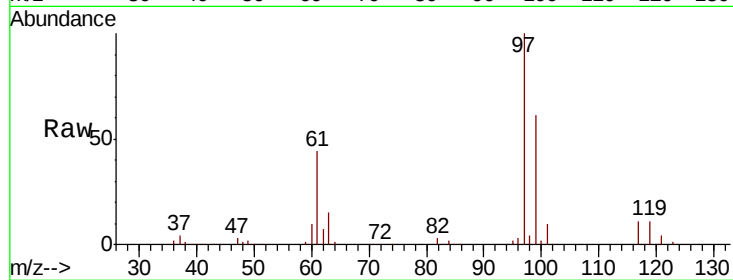
Tot Ion: 97 Resp: 170192

Ion Ratio Lower Upper

97 100

99 63.4 50.9 76.3

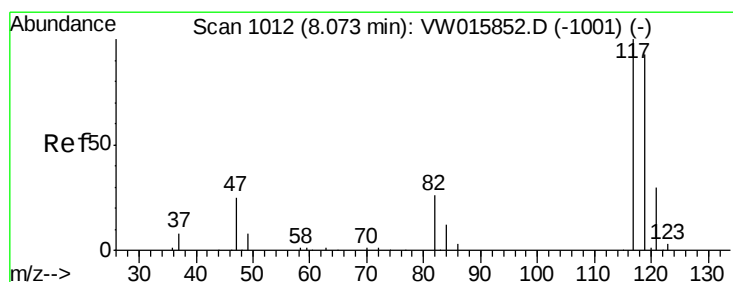
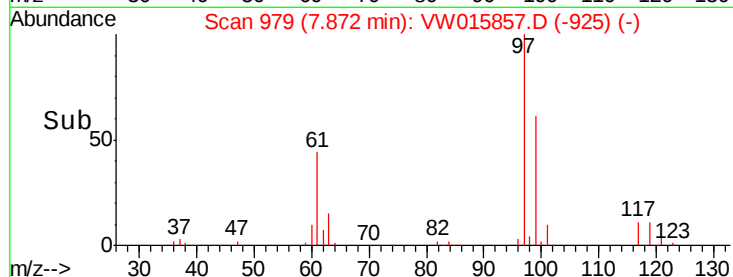
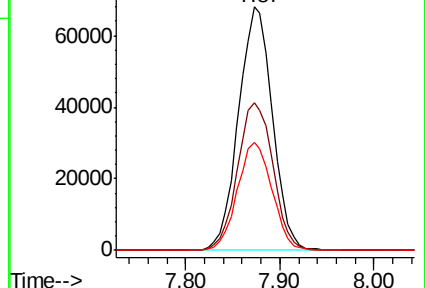
61 45.1 36.2 54.2



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: 24.835 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015857.D

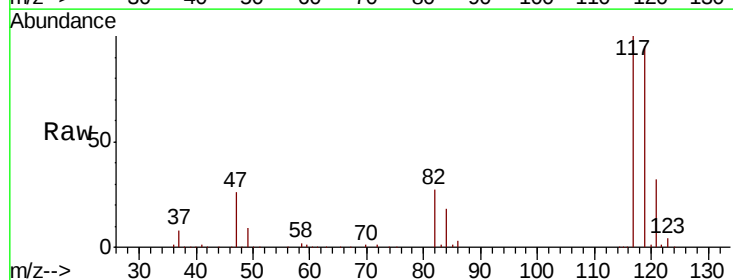
Acq: 14 Jul 2020 14:18

Tgt Ion: 117 Resp: 160281

Ion Ratio Lower Upper

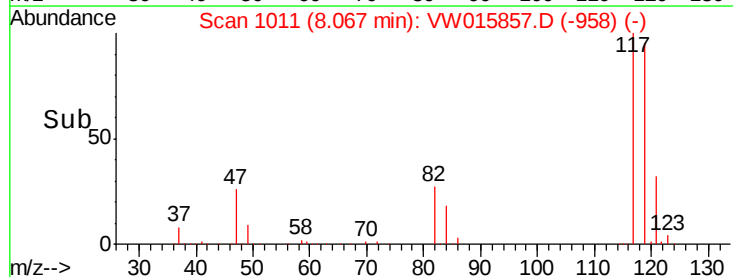
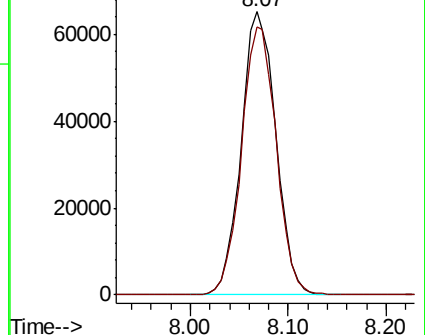
117 100

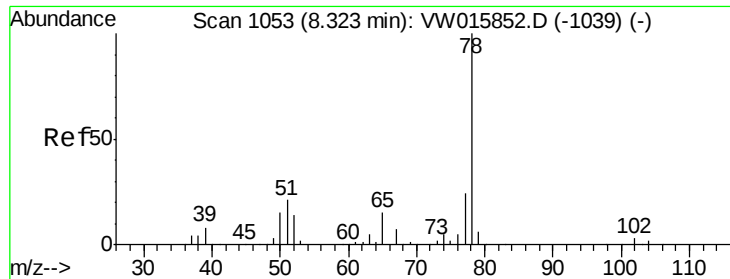
119 95.1 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.339 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

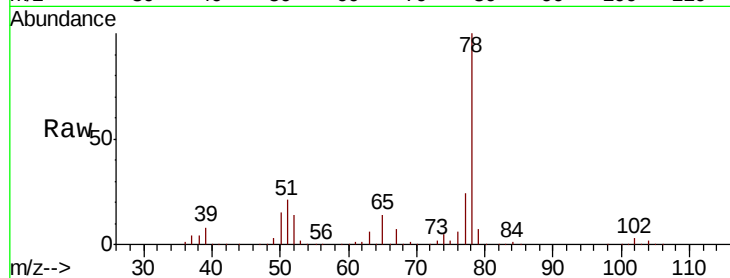
Instrument :

MSVOA_W

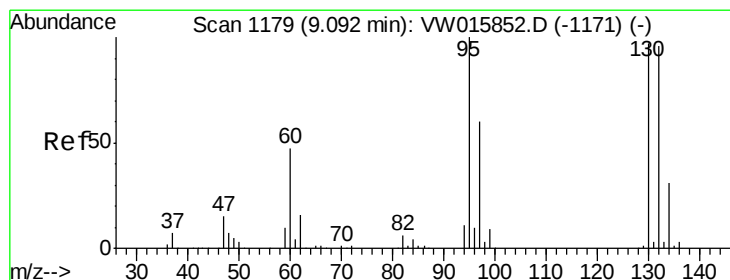
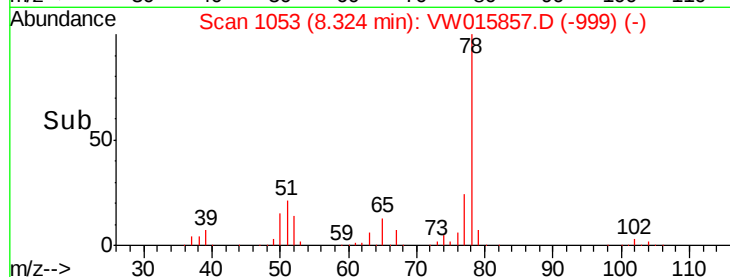
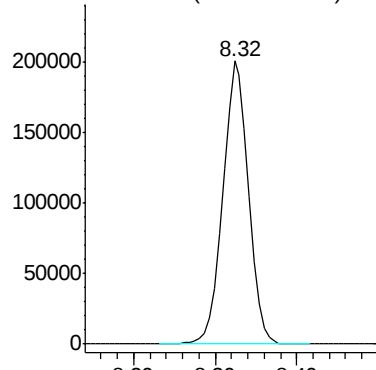
ClientSampleId :

VSTD02527

Tgt Ion: 78 Resp: 439973



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.896 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Tgt Ion: 95 Resp: 117366

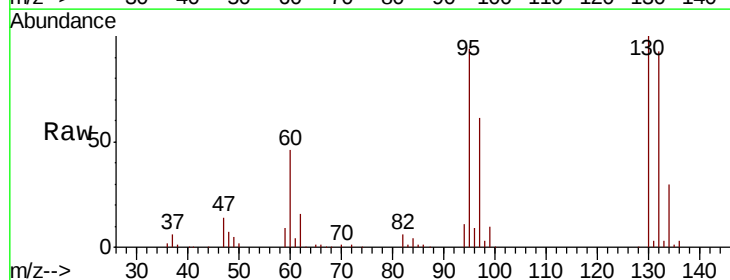
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.6	82.8
132	98.5	67.0	124.4
130	101.5	70.1	130.1

95 100

97 64.6 44.6 82.8

132 98.5 67.0 124.4

130 101.5 70.1 130.1



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

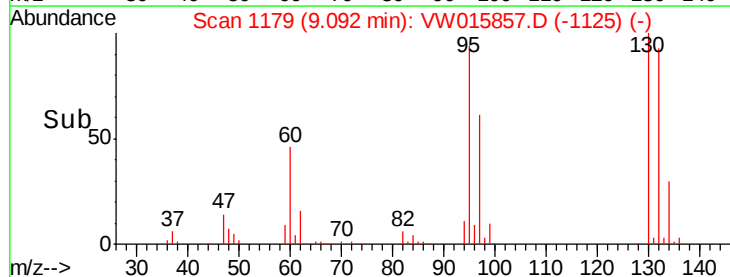
Ion 130.00 (129.70 to 130.70): V

95 100

97 64.6 44.6 82.8

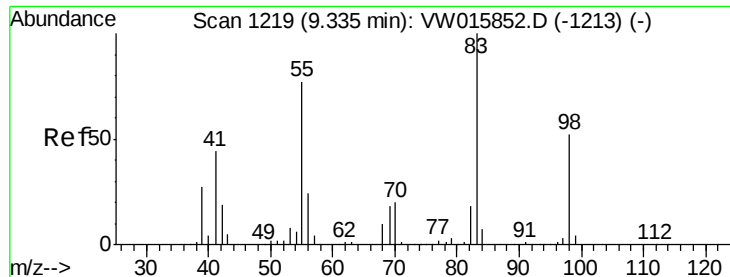
132 98.5 67.0 124.4

130 101.5 70.1 130.1



Time-->

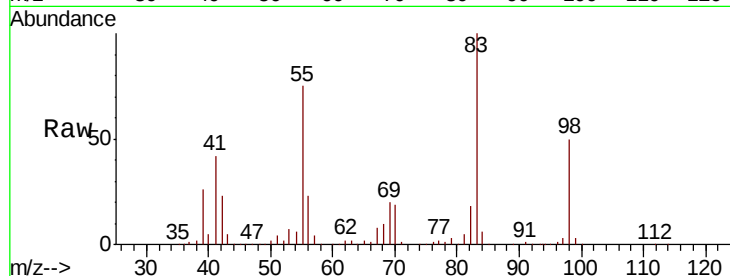
9.09



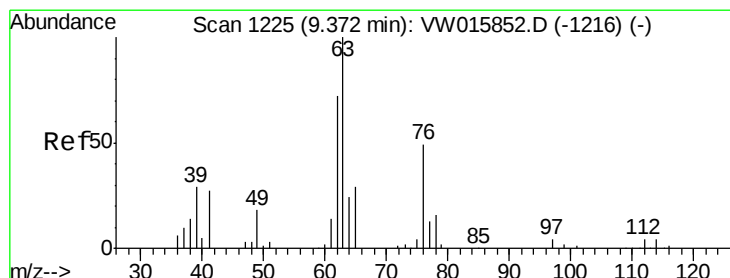
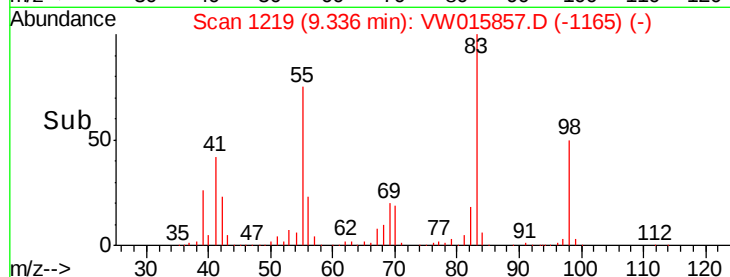
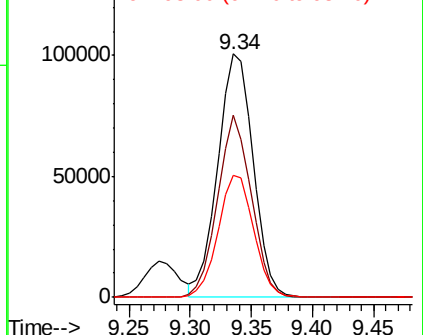
#36
Methylcyclohexane
Concen: 25.091 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 83 Resp: 202493
Ion Ratio Lower Upper
83 100
55 71.1 55.5 83.3
98 50.4 40.2 60.4

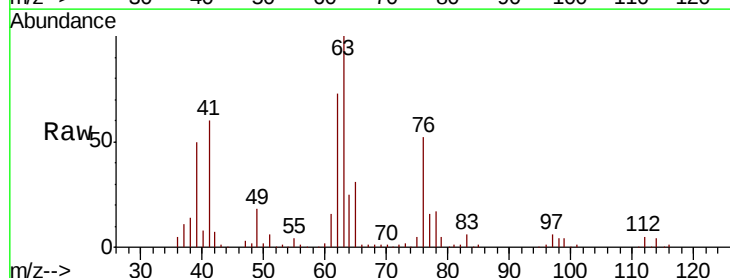


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

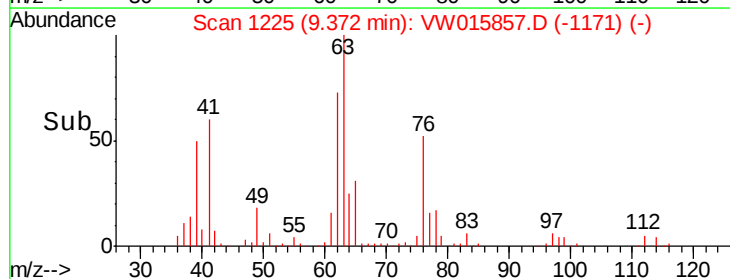
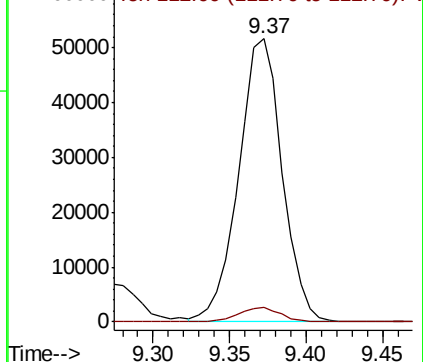


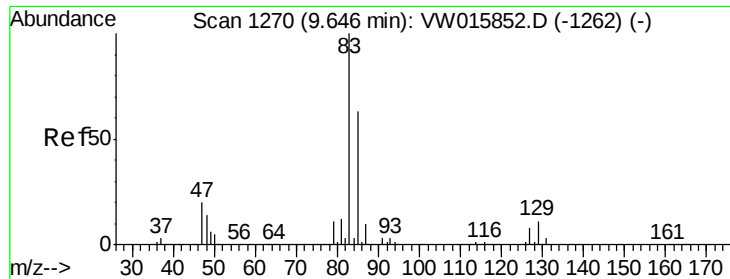
#40
1,2-Dichloropropane
Concen: 24.718 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion: 63 Resp: 102071
Ion Ratio Lower Upper
63 100
112 5.0 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 25.067 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

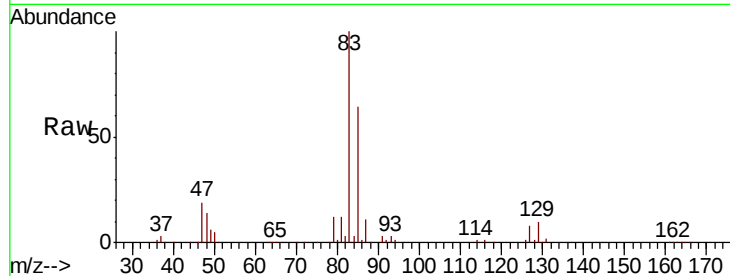
Tot Ion: 83 Resp: 141122

Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

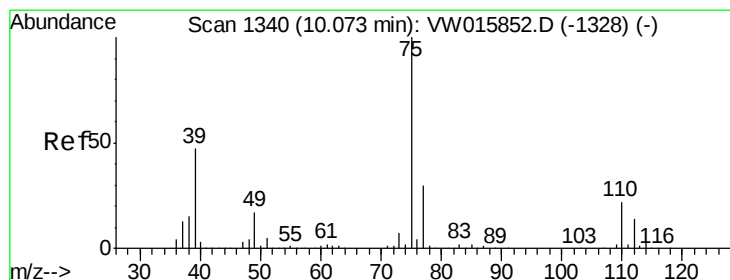
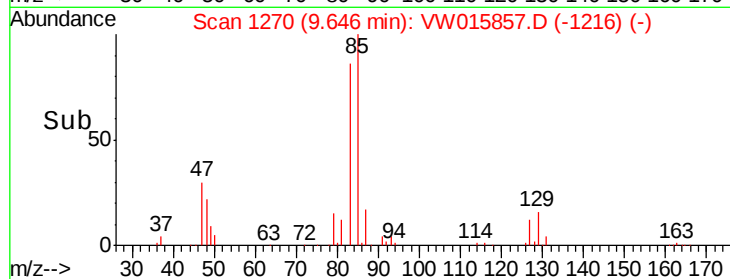
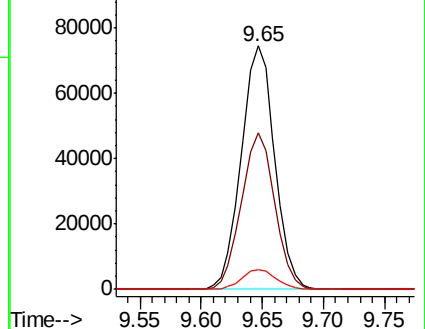
127 7.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 26.050 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015857.D

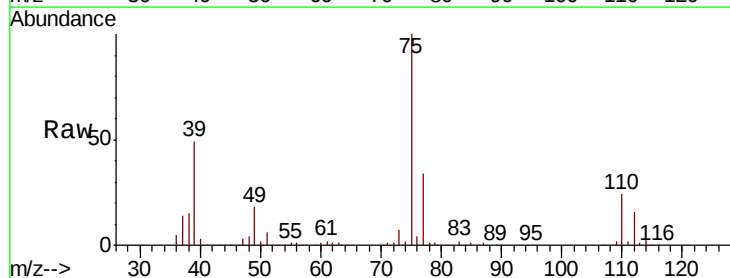
Acq: 14 Jul 2020 14:18

Tgt Ion: 75 Resp: 161524

Ion Ratio Lower Upper

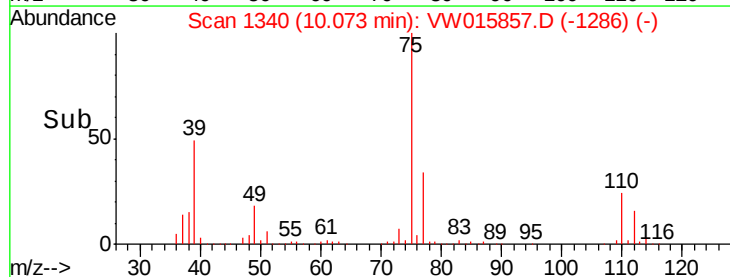
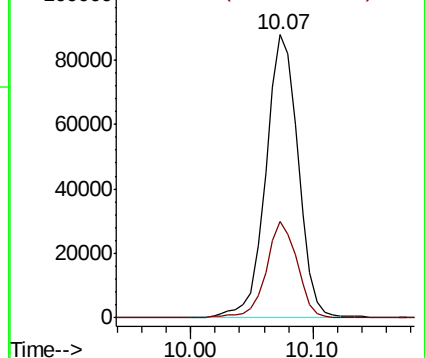
75 100

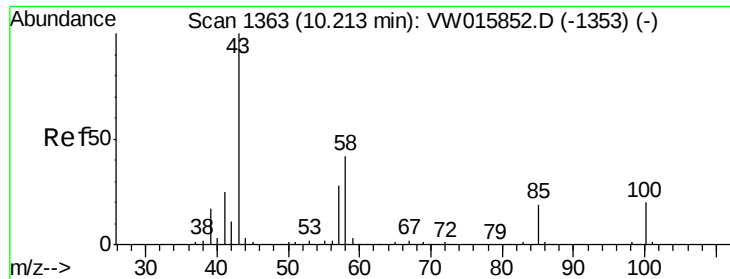
77 33.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

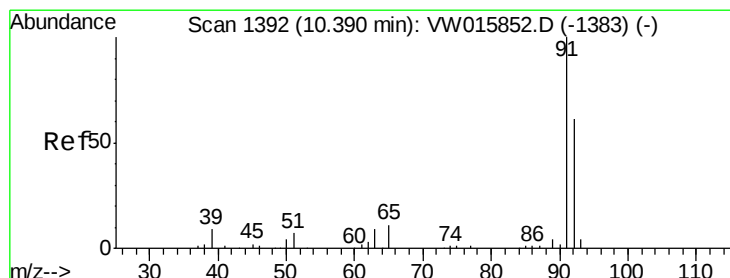
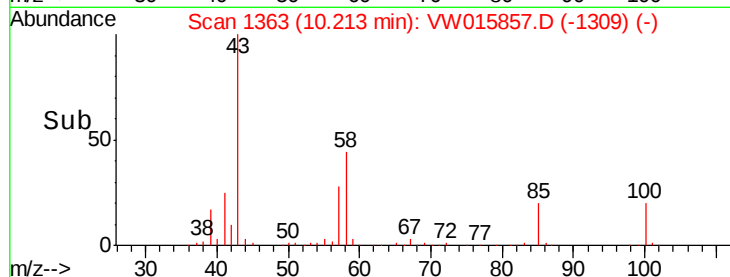
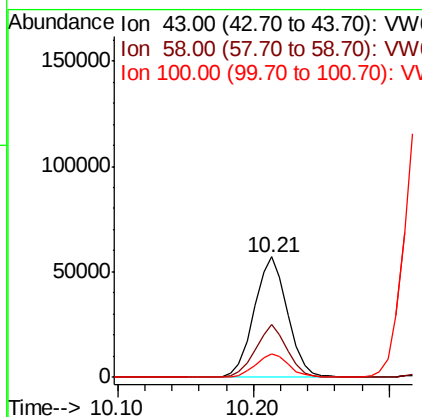
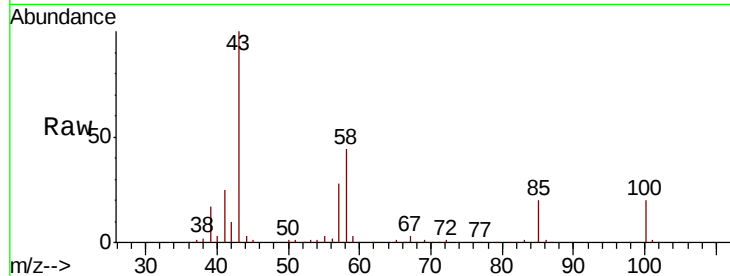




#43
4-Methyl-2-pentanone
Concen: 50.434 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

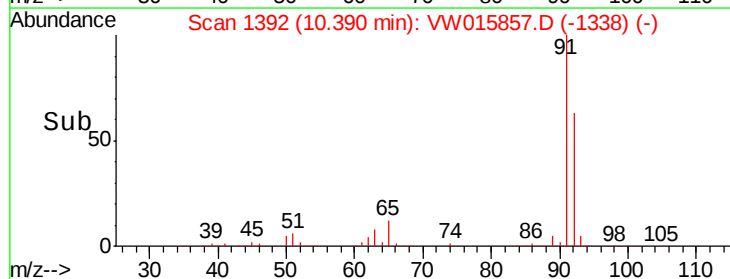
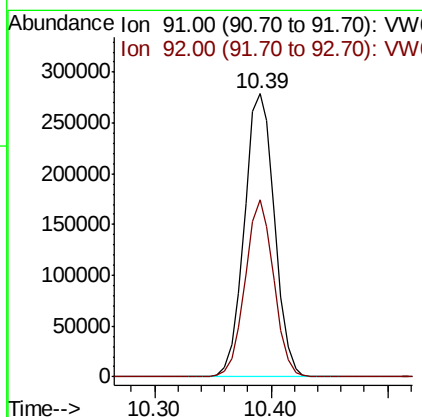
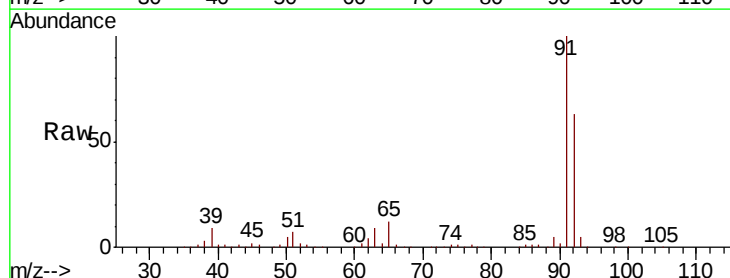
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

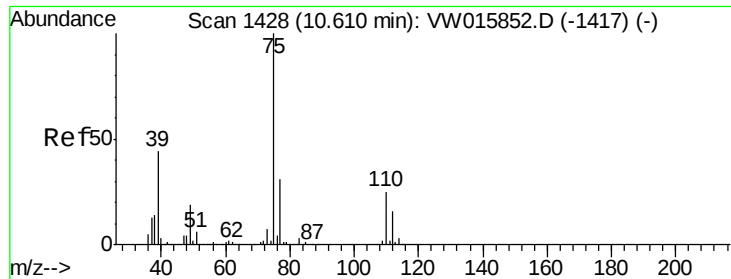
Tot Ion: 43 Resp: 97921
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.4
100 19.6 15.0 22.6



#44
Toluene
Concen: 25.654 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion: 91 Resp: 501394
Ion Ratio Lower Upper
91 100
92 62.6 41.6 77.2





#45

trans-1,3-Dichloropropene

Concen: 25.576 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

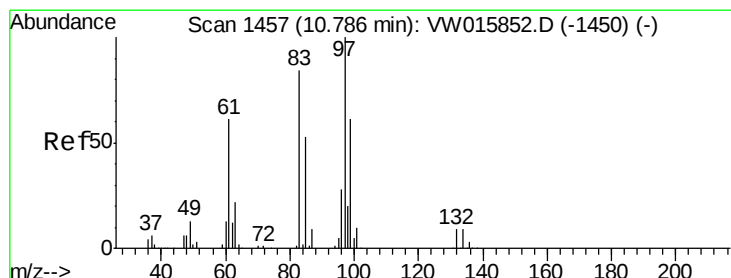
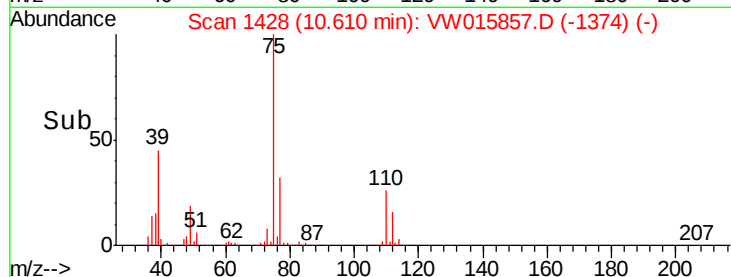
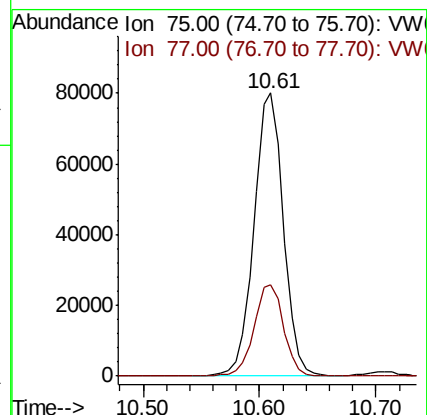
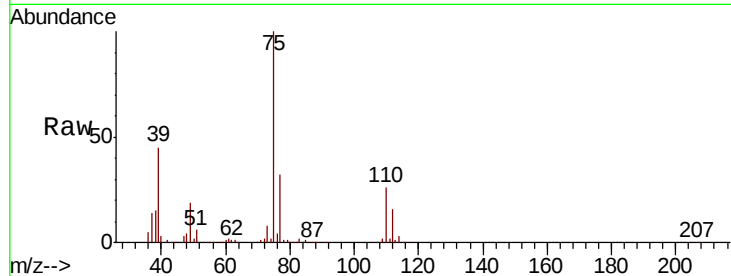
VSTD02527

Tot Ion: 75 Resp: 141062

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



#46

1,1,2-Trichloroethane

Concen: 25.700 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Tgt Ion: 97 Resp: 82169

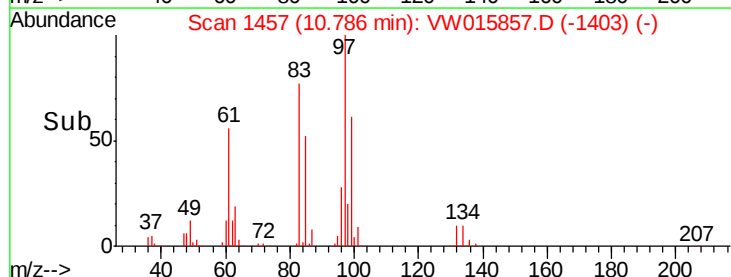
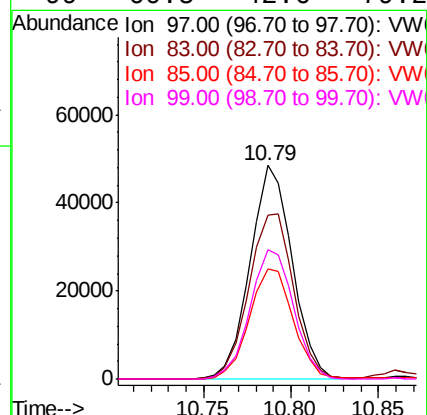
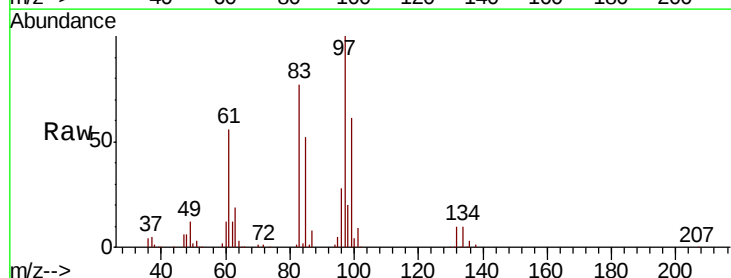
Ion Ratio Lower Upper

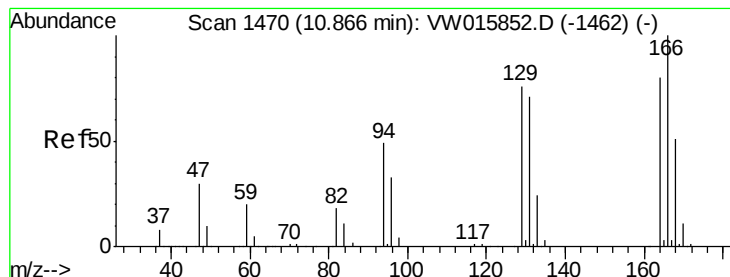
97 100

83 77.0 60.3 112.1

85 51.6 38.6 71.6

99 60.5 42.6 79.2





#47

Tetrachloroethene

Concen: 26.431 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion:164 Resp: 101413

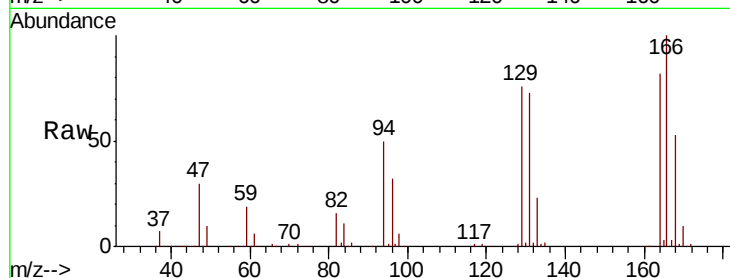
Ion Ratio Lower Upper

164 100

129 92.7 65.1 120.9

131 88.3 62.0 115.2

166 121.3 84.6 157.0



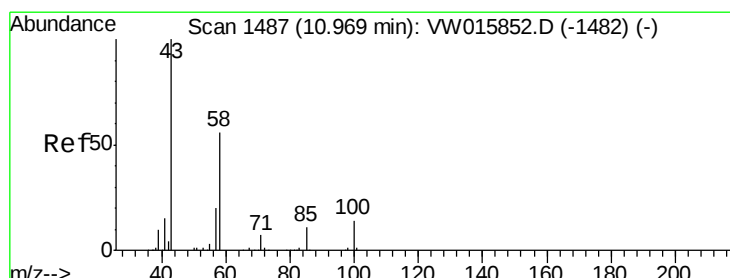
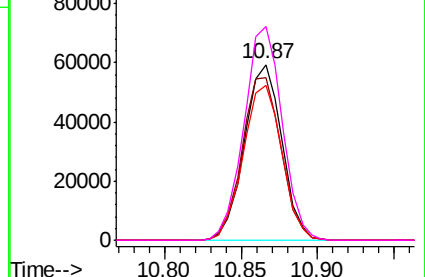
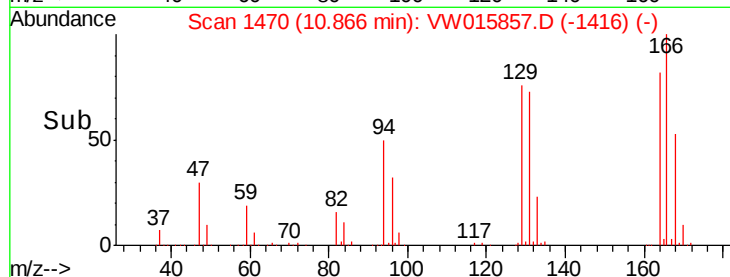
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 50.128 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Tgt Ion: 43 Resp: 68982

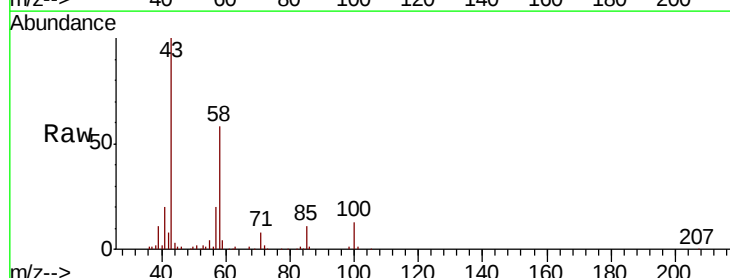
Ion Ratio Lower Upper

43 100

58 59.2 45.8 68.8

57 20.9 16.9 25.3

100 15.3 12.2 18.4



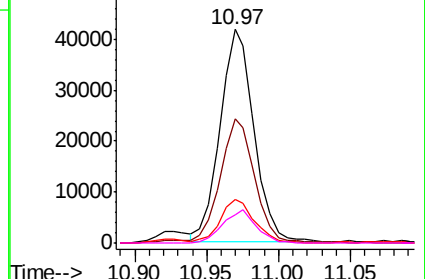
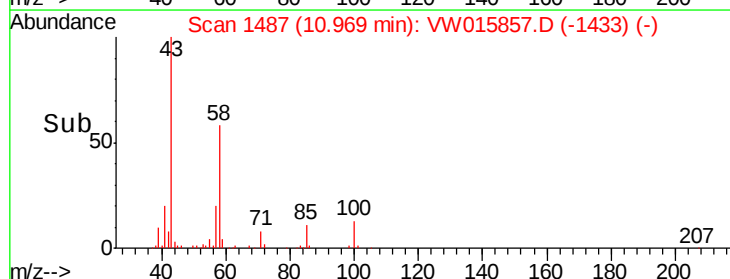
Abundance Ion 43.00 (42.70 to 43.70): V

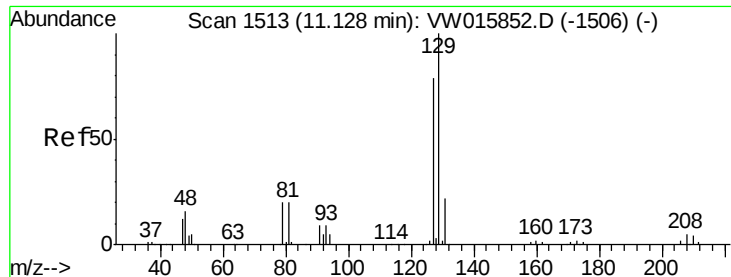
Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V

Time-->





#50

Dibromochloromethane

Concen: 26.367 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

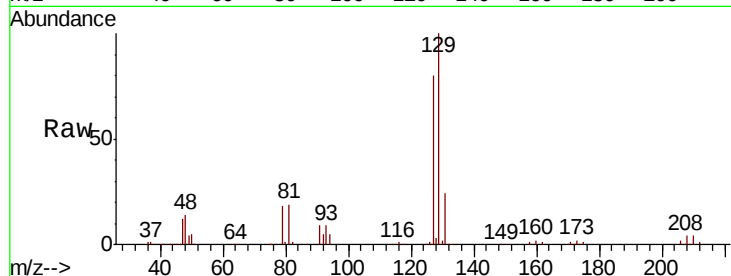
VSTD02527

Tot Ion:129 Resp: 101092

Ion Ratio Lower Upper

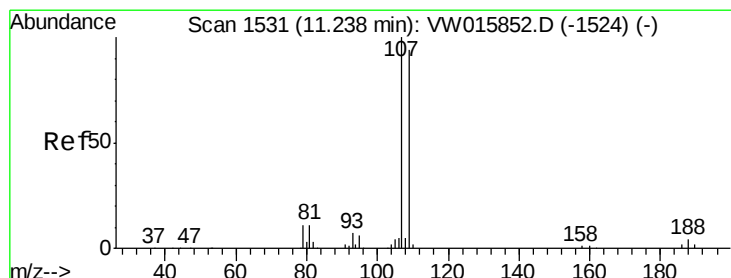
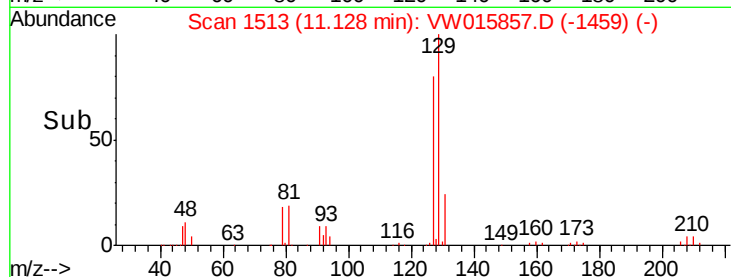
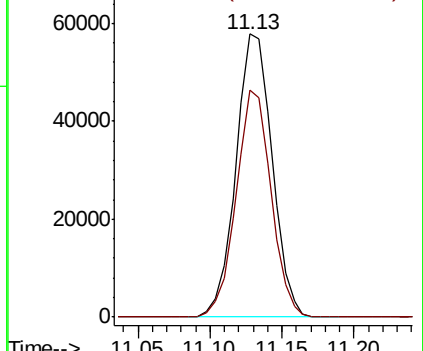
129 100

127 80.3 52.6 97.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 26.089 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

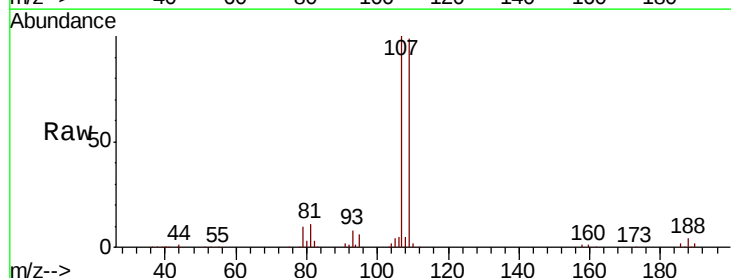
Tgt Ion:107 Resp: 79363

Ion Ratio Lower Upper

107 100

109 99.1 69.3 128.7

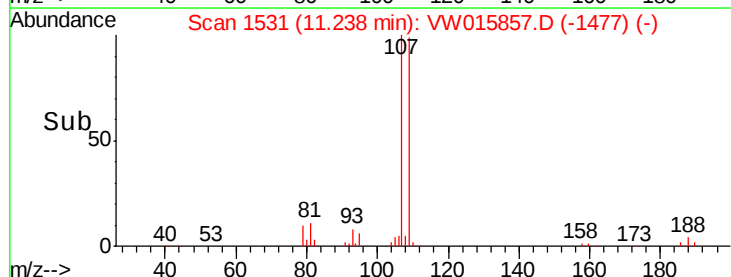
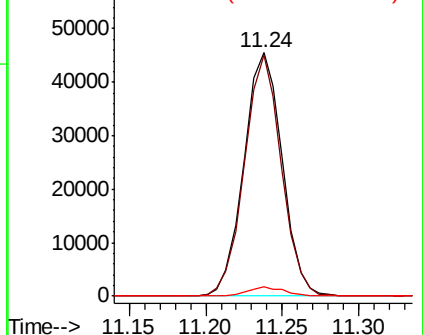
188 3.9 3.3 4.9

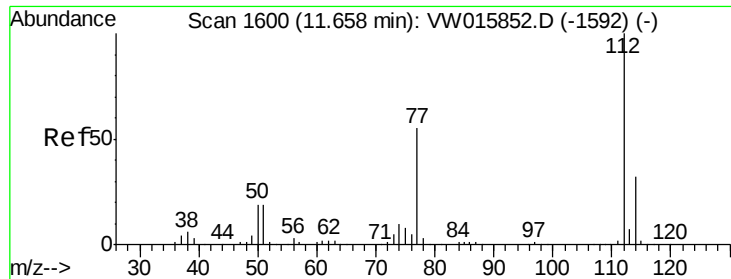


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

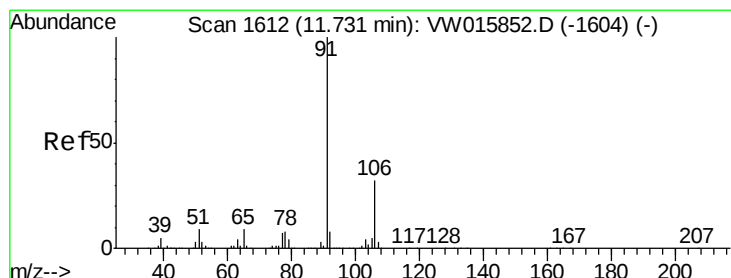
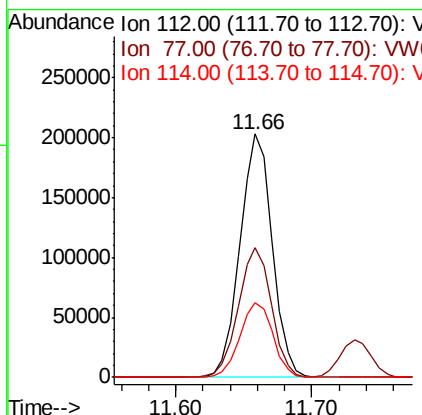
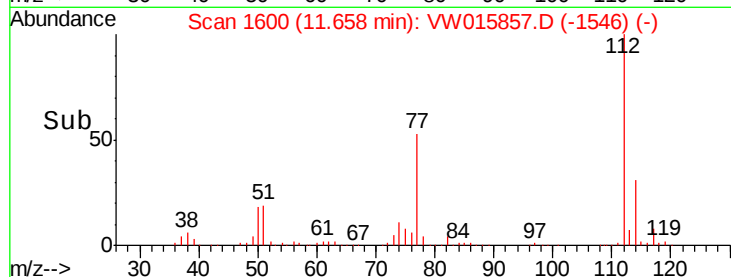
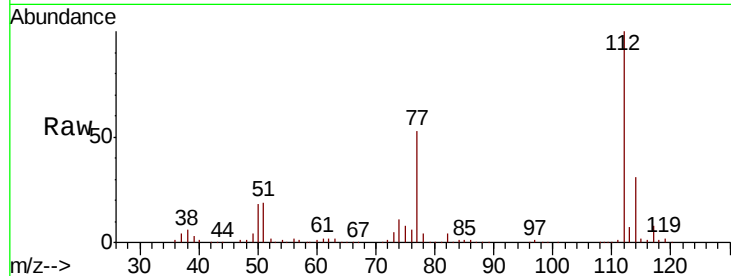




#52
Chlorobenzene
Concen: 26.153 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

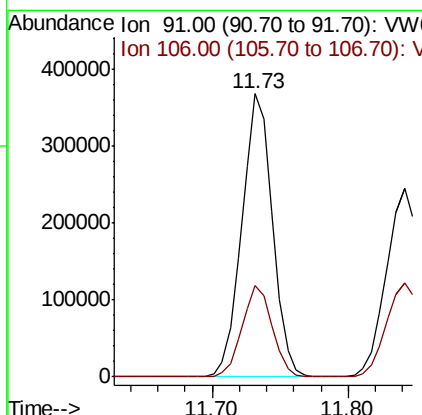
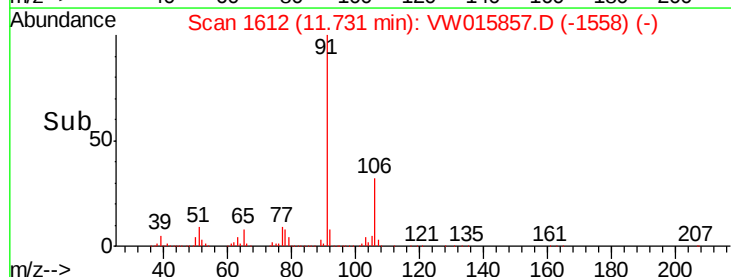
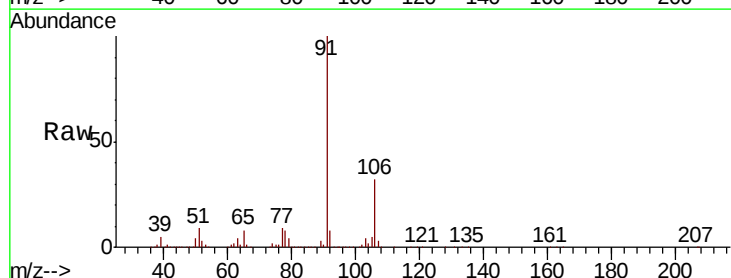
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

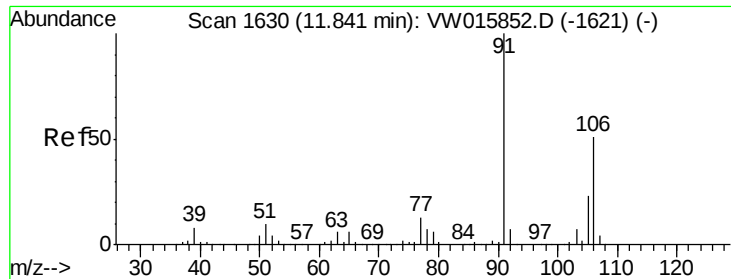
Tot Ion:112 Resp: 335754
Ion Ratio Lower Upper
112 100
77 53.1 43.9 65.9
114 30.7 20.9 38.9



#53
Ethylbenzene
Concen: 26.080 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion: 91 Resp: 577268
Ion Ratio Lower Upper
91 100
106 32.1 22.7 42.3





#54

m,p-Xylene

Concen: 26.522 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

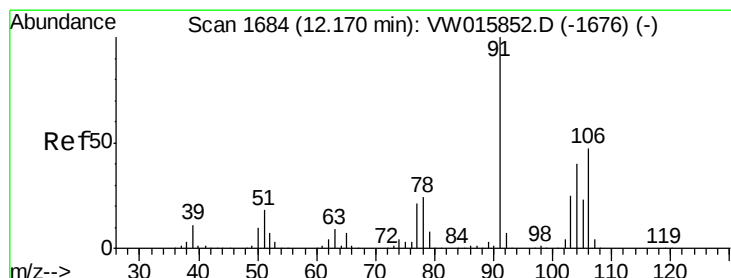
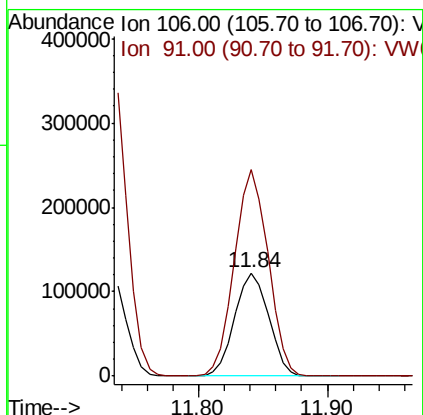
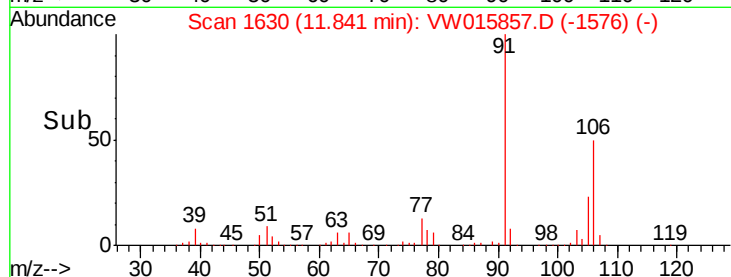
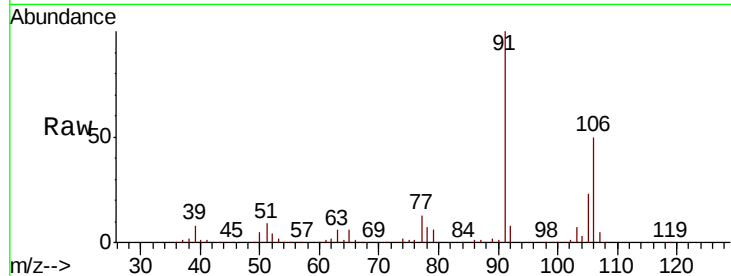
VSTD02527

Tot Ion:106 Resp: 225269

Ion Ratio Lower Upper

106 100

91 199.8 143.9 267.3



#55

o-xylene

Concen: 26.859 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015857.D

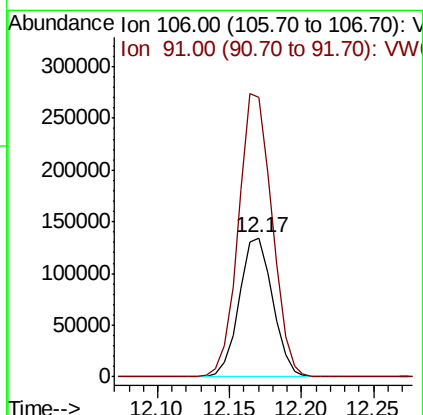
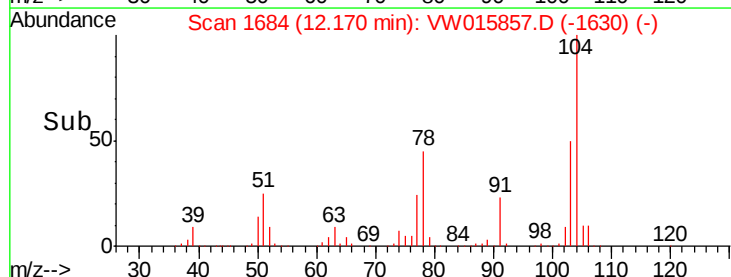
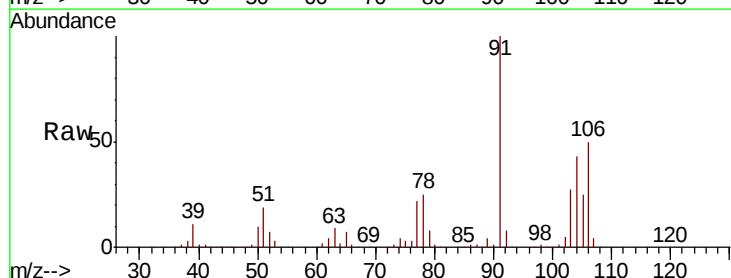
Acq: 14 Jul 2020 14:18

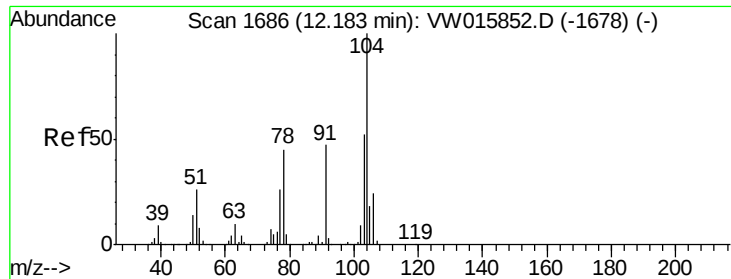
Tgt Ion:106 Resp: 216832

Ion Ratio Lower Upper

106 100

91 201.8 141.1 262.0





#56

Stvrene

Concen: 27.040 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

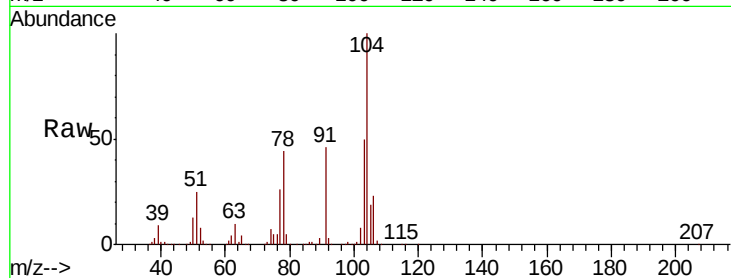
VSTD02527

Tot Ion:104 Resp: 367790

Ion Ratio Lower Upper

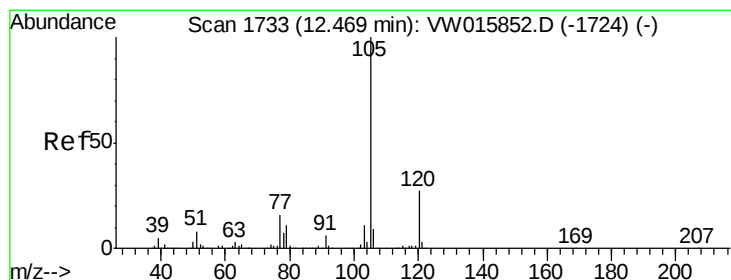
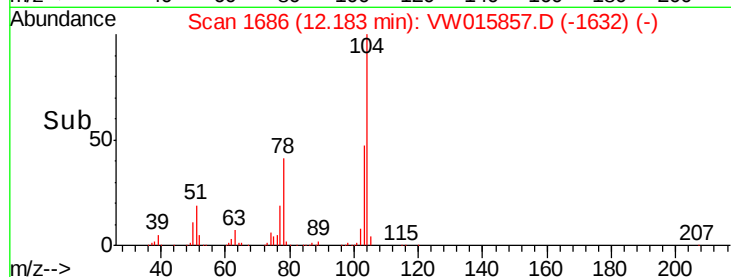
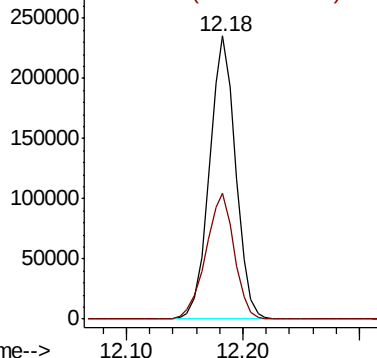
104 100

78 44.3 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 26.941 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

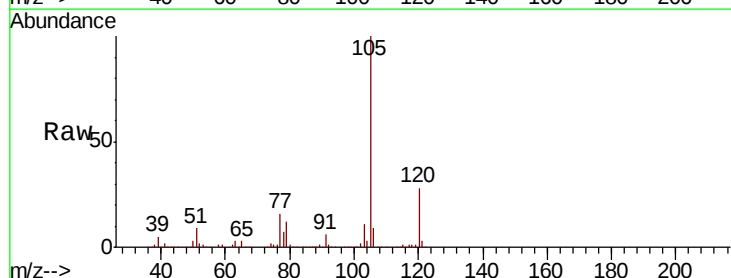
Tgt Ion:105 Resp: 596535

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

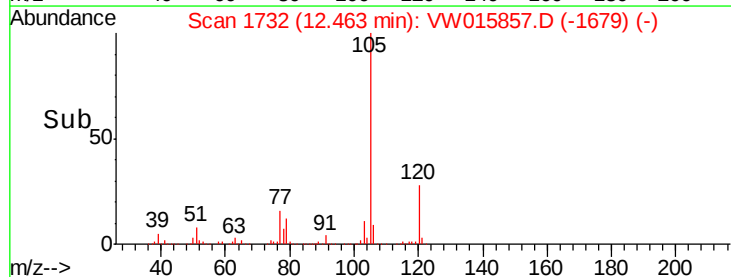
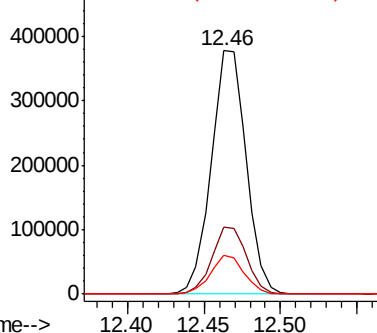
77 15.3 12.2 18.2

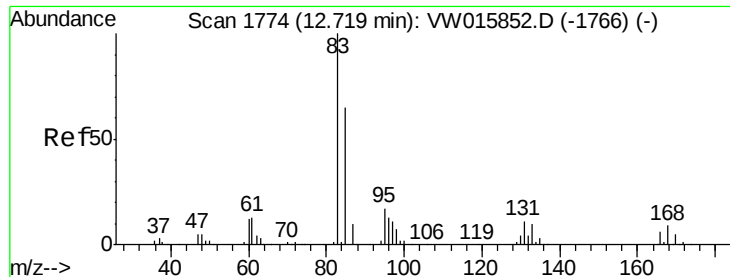


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 26.259 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

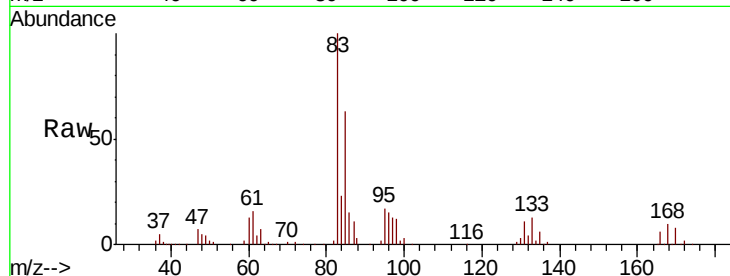
Tot Ion: 83 Resp: 95686

Ion Ratio Lower Upper

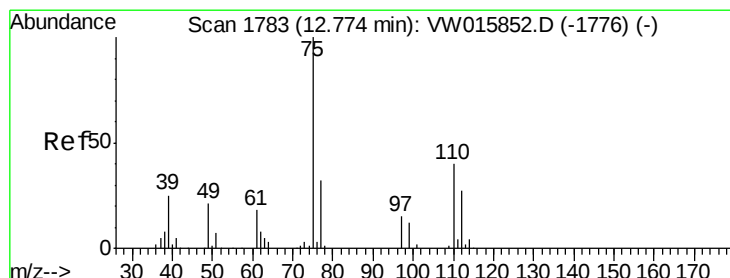
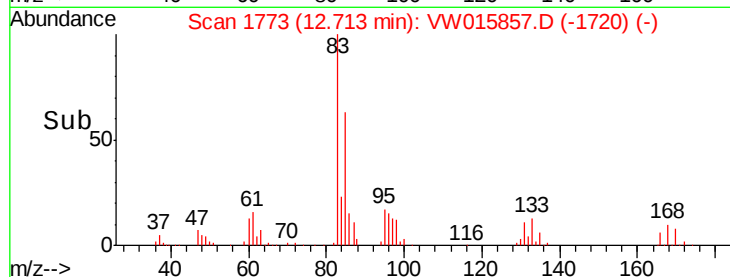
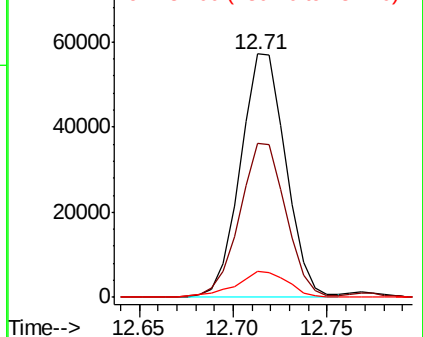
83 100

85 63.1 46.2 85.8

131 10.6 8.1 12.1



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): VW



#59

1,2,3-Trichloropropane

Concen: 25.568 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW015857.D

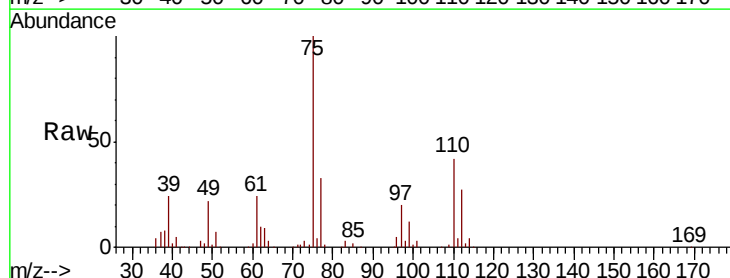
Acq: 14 Jul 2020 14:18

Tgt Ion: 75 Resp: 68433

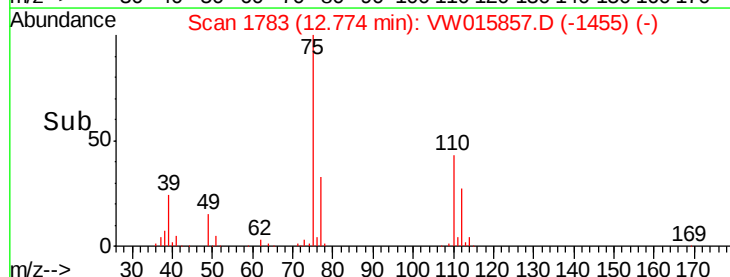
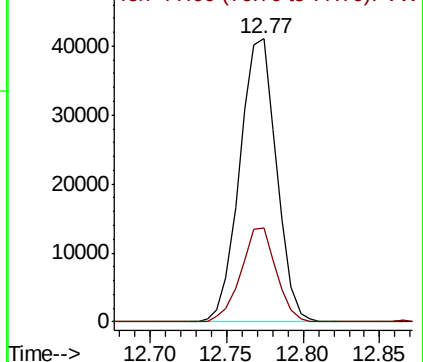
Ion Ratio Lower Upper

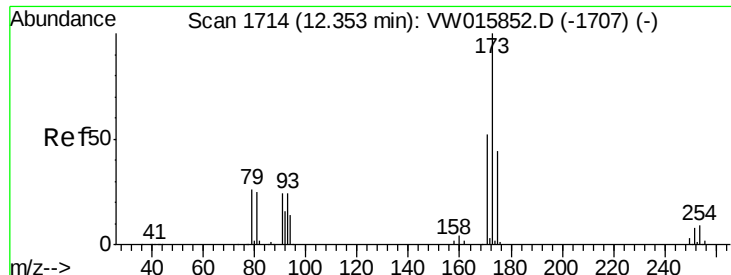
75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

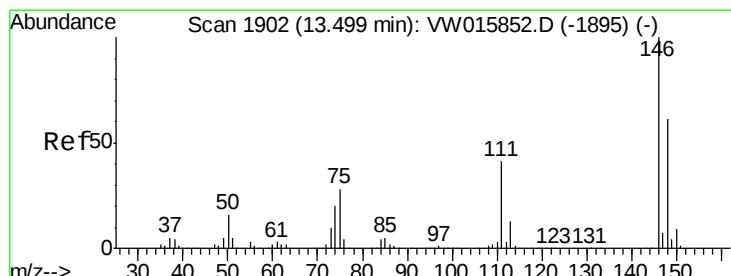
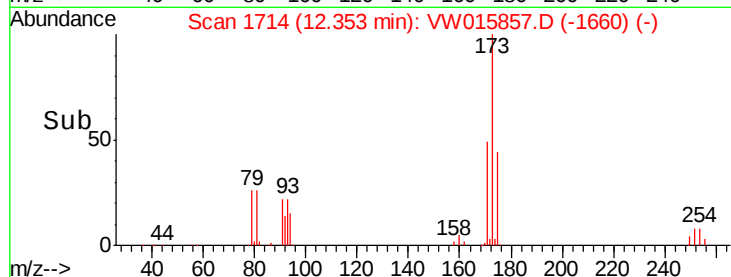
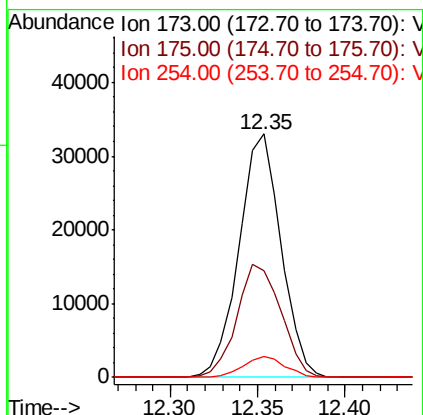
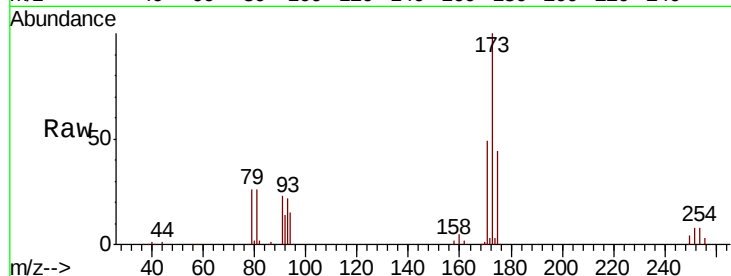




#62
Bromoform
Concen: 25.012 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

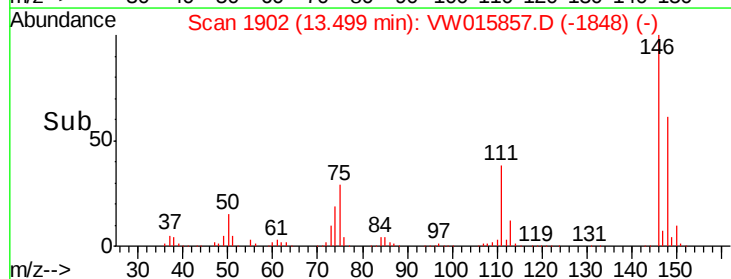
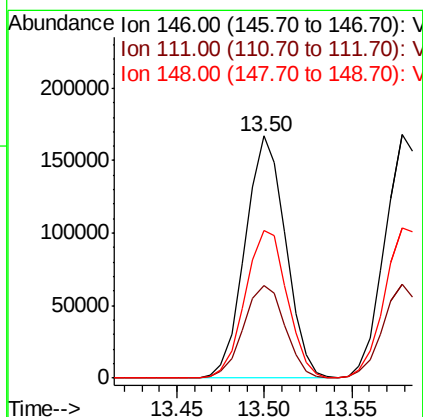
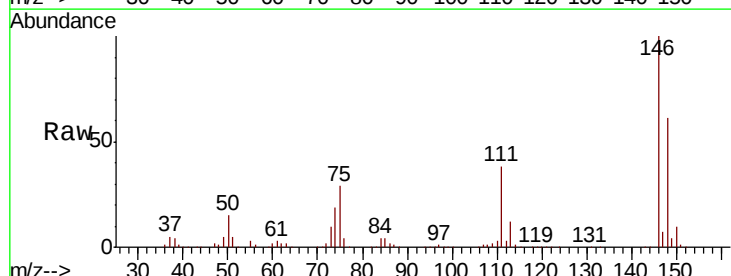
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

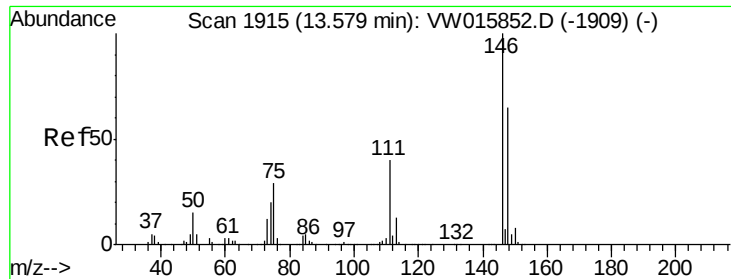
Tot Ion:173 Resp: 55147
Ion Ratio Lower Upper
173 100
175 48.6 38.2 57.4
254 8.5 6.6 9.8



#63
1,3-Dichlorobenzene
Concen: 26.197 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion:146 Resp: 269309
Ion Ratio Lower Upper
146 100
111 38.4 29.2 54.2
148 61.0 47.7 88.7

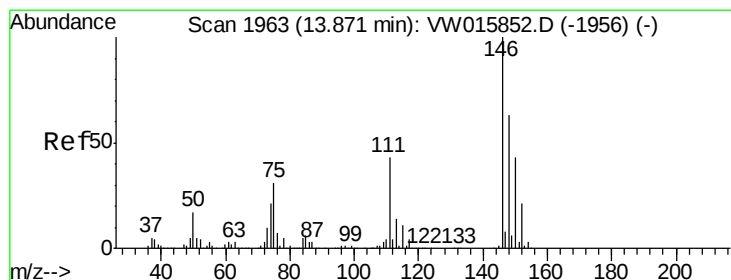
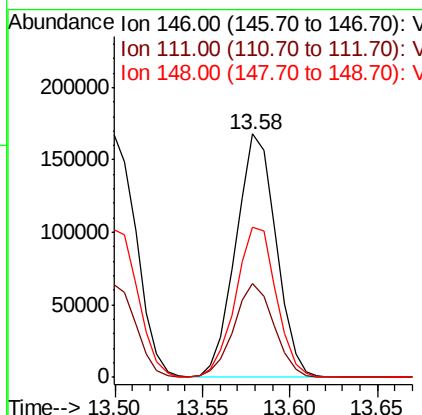
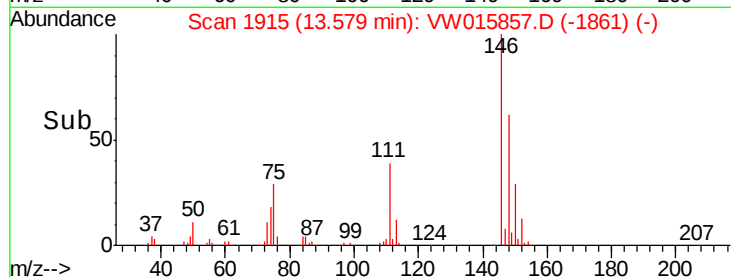
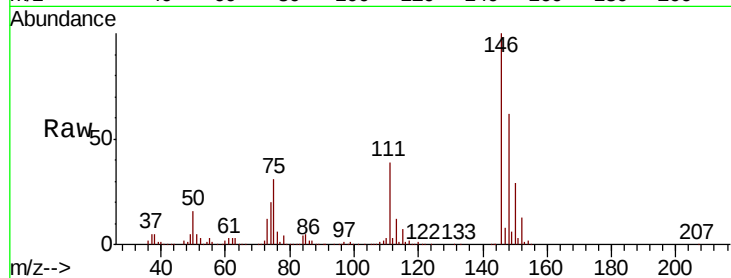




#64
1,4-Dichlorobenzene
Concen: 25.917 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

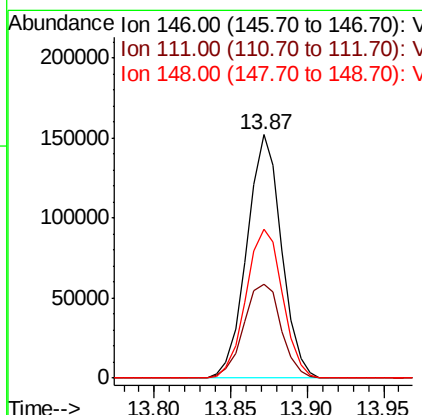
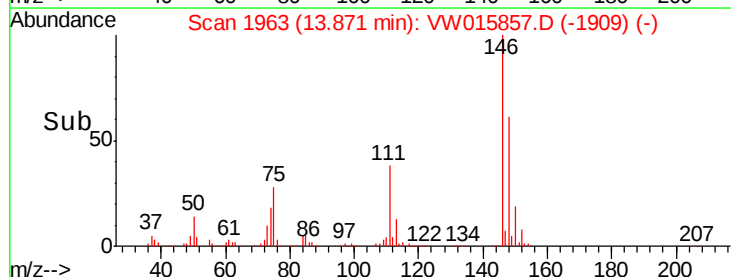
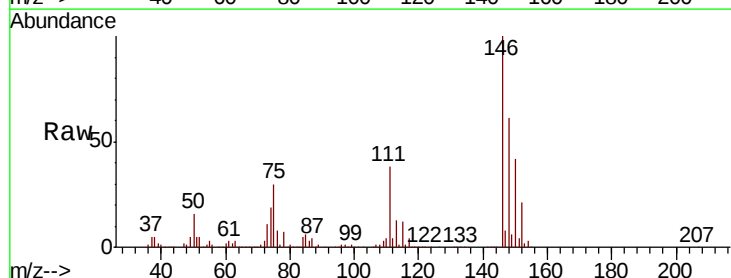
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

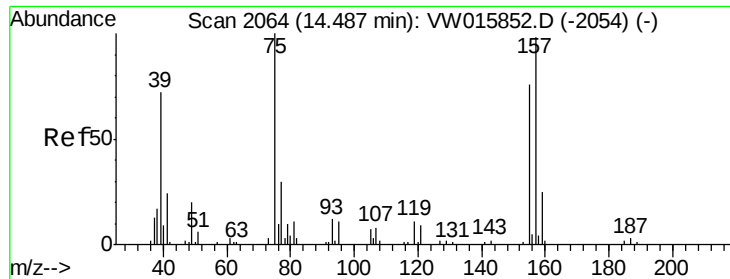
Tot Ion:146 Resp: 269888
Ion Ratio Lower Upper
146 100
111 38.7 27.6 51.2
148 61.6 45.3 84.1



#65
1,2-Dichlorobenzene
Concen: 25.700 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion:146 Resp: 239396
Ion Ratio Lower Upper
146 100
111 38.4 36.2 54.4
148 61.2 55.1 82.7





#66

1,2-Dibromo-3-chloropropane

Concen: 23.944 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

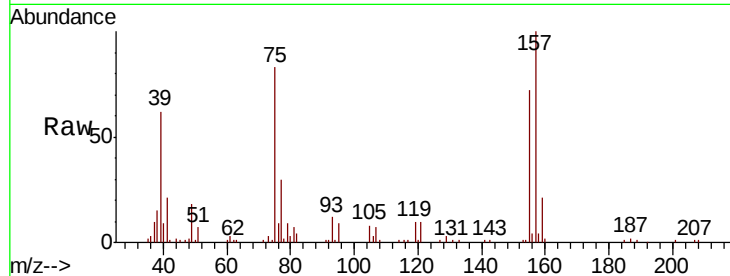
Tot Ion: 75 Resp: 13789

Ion Ratio Lower Upper

75 100

157 119.9 82.2 123.2

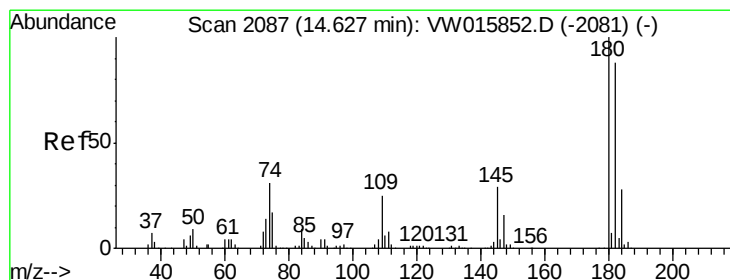
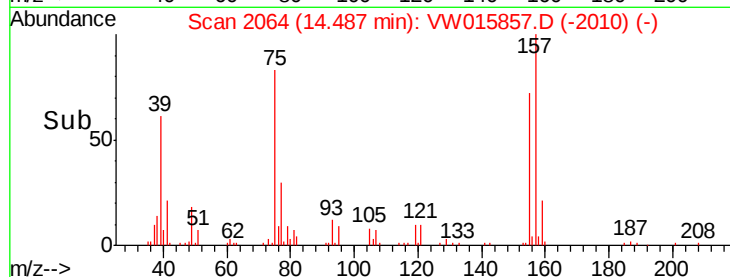
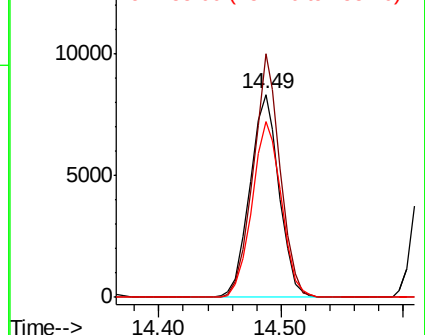
155 86.4 67.7 101.5



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: 26.444 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW015857.D

Acq: 14 Jul 2020 14:18

Tgt Ion: 180 Resp: 181223

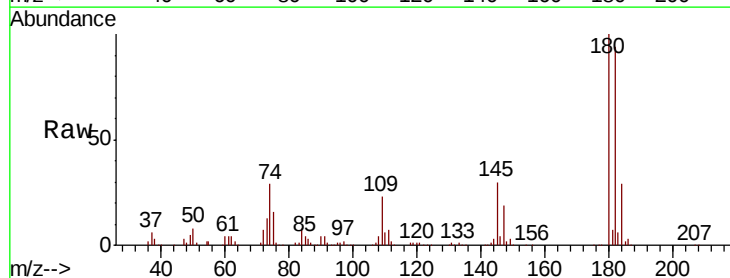
Ion Ratio Lower Upper

180 100

182 96.8 75.3 112.9

184 30.5 22.8 34.2

145 31.5 24.6 37.0

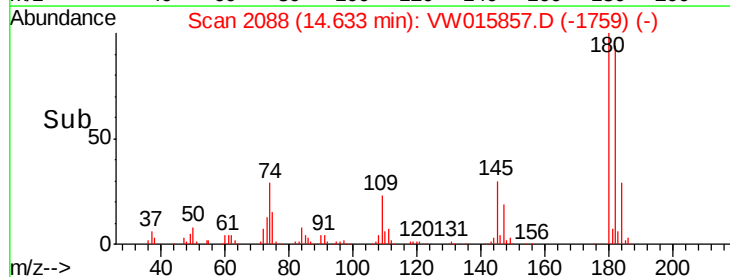
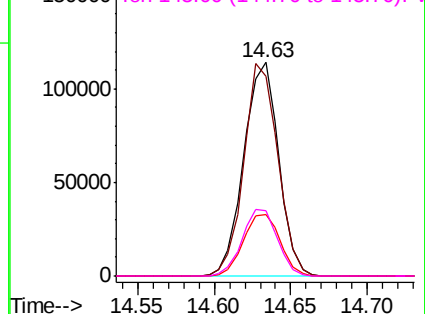


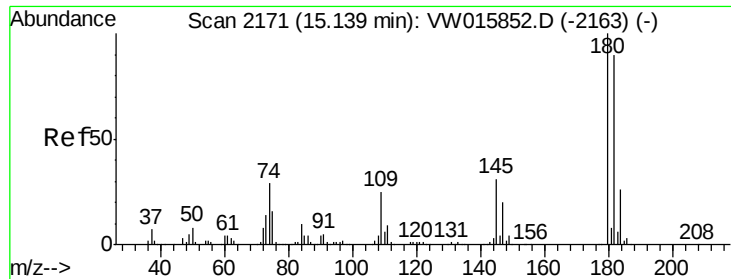
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

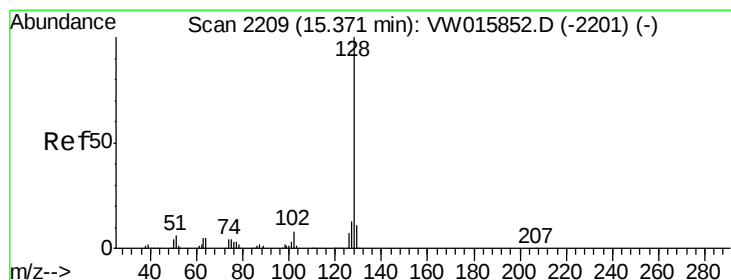
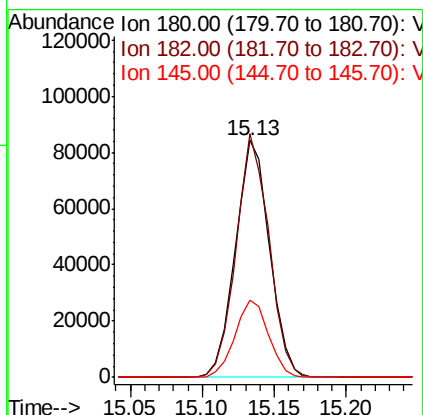
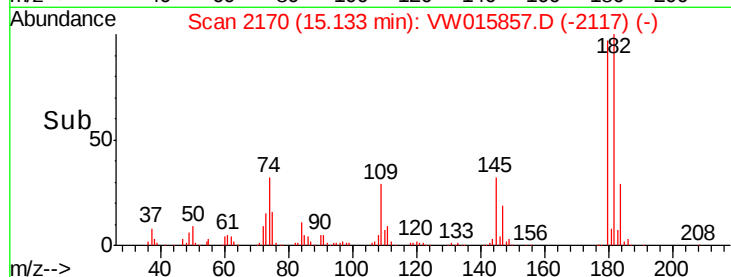
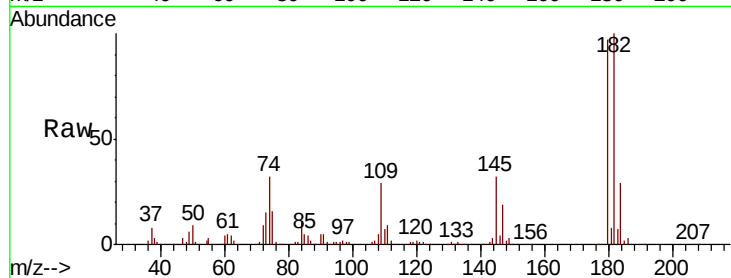




#68
1,2,4-trichlorobenzene
Concen: 25.944 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

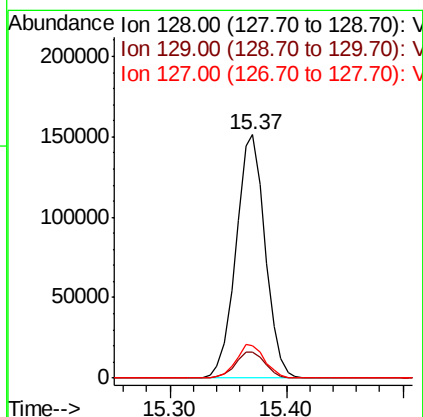
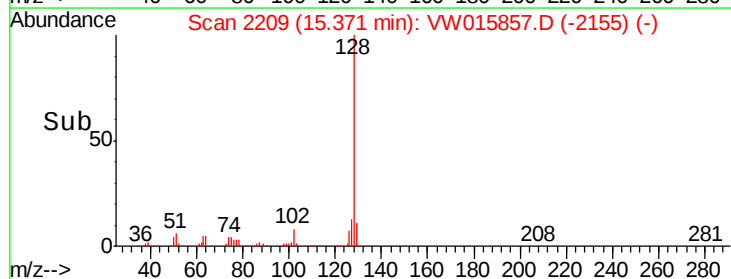
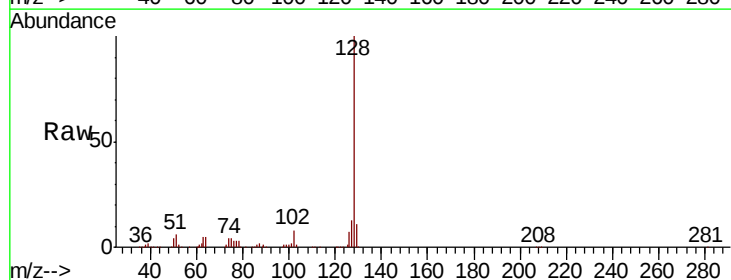
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

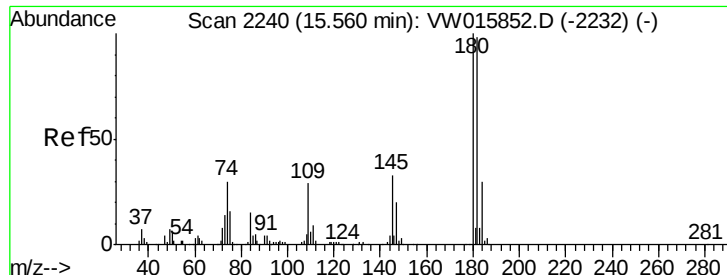
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.2	112.8
145	32.2	25.0	37.4



#69
Naphthalene
Concen: 27.698 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015857.D
Acq: 14 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.4	10.7	16.1

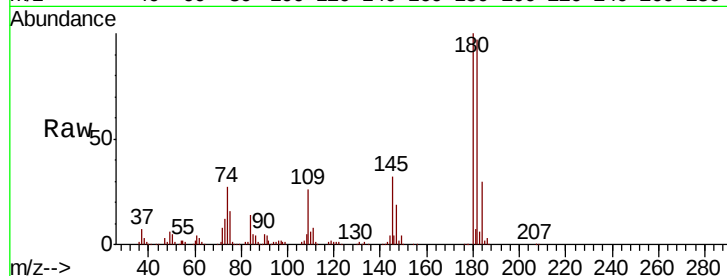




#70
 1,2,3-Trichlorobenzene
 Concen: 26.728 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW015857.D
 Acq: 14 Jul 2020 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	73.1	109.7
145	32.9	26.6	40.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

