

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072920\
 Data File : VW015988.D
 Acq On : 29 Jul 2020 11:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Jul 30 03:28:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 29 04:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	432800	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	395275	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184280	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119643	19.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.36%
7) Chloroethane-d5	2.89	69	114217	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
10) 1,1-Dichloroethene-d2	4.01	63	279612	22.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.60%
20) 2-Butanone-d5	7.08	46	96728	60.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.60%
24) Chloroform-d	7.65	84	295437	24.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	8.31	65	156408	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.76%
29) Benzene-d6	8.27	84	587637	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	178219	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.84%
37) Toluene-d8	10.32	98	511203	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.58	79	71640	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.20%
39) 2-Hexanone-d5	10.93	63	73469	61.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	150842	27.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	180342	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	87224	23.817	ug/L 98
3) Chloromethane	2.22	50	106983	24.153	ug/L 99
5) Vinyl chloride	2.37	62	155826	22.810	ug/L 98
6) Bromomethane	2.79	94	92054	22.587	ug/L 100
8) Chloroethane	2.93	64	95932	23.971	ug/L 99
9) Trichlorofluoromethane	3.27	101	128183	27.914	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	139871	24.918	ug/L 98
12) 1,1-Dichloroethene	4.04	96	136682	24.567	ug/L 96
13) Acetone	4.12	43	80245	59.564	ug/L 95
14) Carbon disulfide	4.38	76	405819	23.096	ug/L 100
15) Methyl Acetate	4.68	43	65597	25.824	ug/L 99
16) Methylene chloride	4.92	84	155197	21.884	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	204961	26.052	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	142149	24.195	ug/L 96
19) 1,1-Dichloroethane	6.22	63	261752	24.177	ug/L 99
21) 2-Butanone	7.17	43	90845	54.531	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	151631	24.669	ug/L 97

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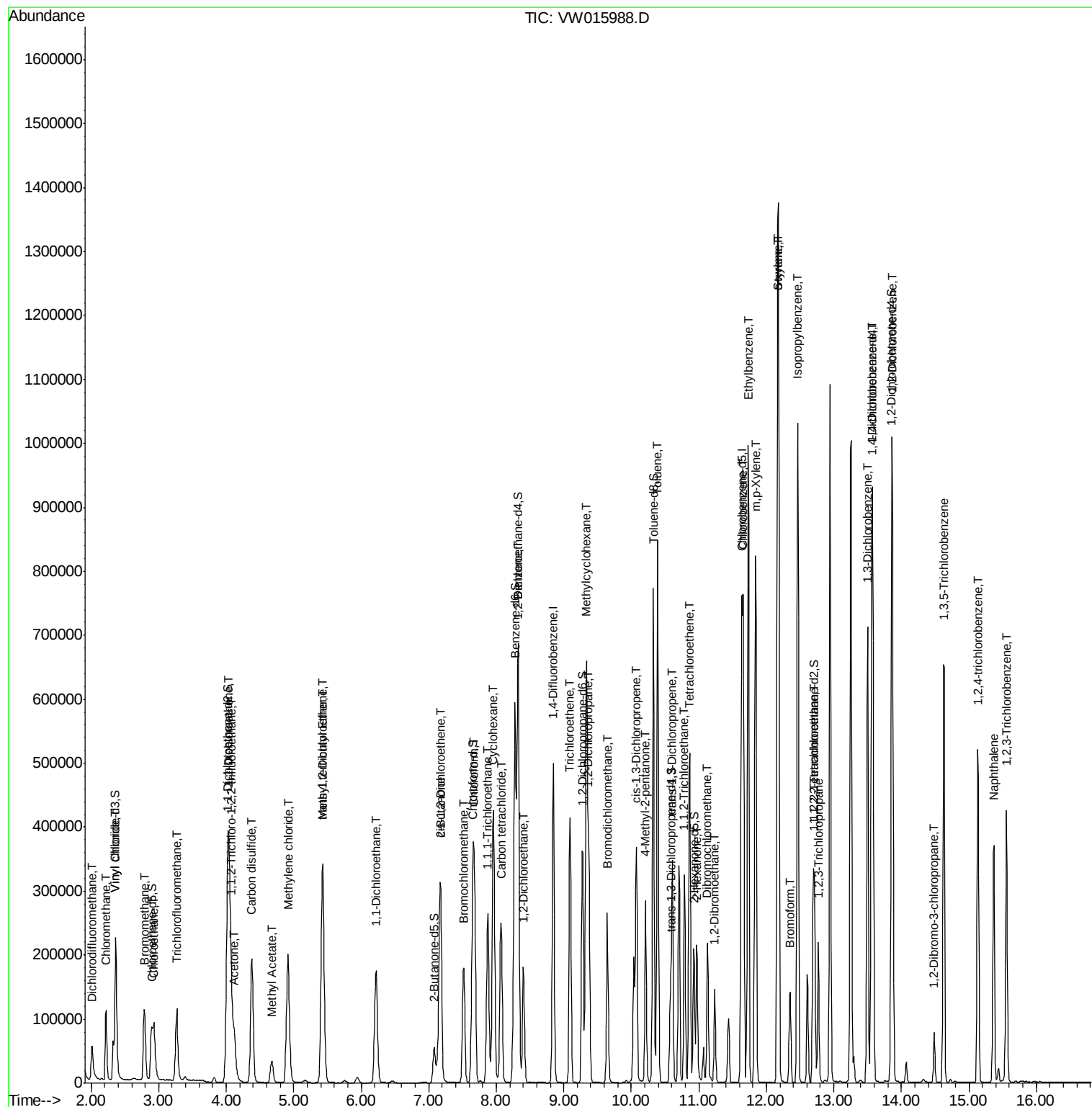
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66110	24.527	ug/L	97
25) Chloroform	7.68	83	260009	24.232	ug/L	99
27) 1,2-Dichloroethane	8.40	62	162227	22.219	ug/L	97
30) Cyclohexane	7.96	56	241324	24.213	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	219359	23.767	ug/L	99
32) Carbon tetrachloride	8.07	117	197865	23.641	ug/L	100
34) Benzene	8.32	78	587308	24.464	ug/L	100
35) Trichloroethene	9.09	95	150420	23.685	ug/L	97
36) Methylcyclohexane	9.34	83	269097	24.694	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144704	24.331	ug/L	100
41) Bromodichloromethane	9.65	83	181203	23.592	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	221885	24.496	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	179786	51.790	ug/L	99
44) Toluene	10.39	91	622544	24.724	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	191116	24.342	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105298	24.621	ug/L	99
47) Tetrachloroethene	10.87	164	122203	24.790	ug/L	95
49) 2-Hexanone	10.97	43	133887	54.349	ug/L	96
50) Dibromochloromethane	11.13	129	119055	24.045	ug/L	94
51) 1,2-Dibromoethane	11.24	107	99113	24.225	ug/L	96
52) Chlorobenzene	11.66	112	387168	23.996	ug/L	98
53) Ethylbenzene	11.73	91	694776	24.538	ug/L	95
54) m,p-Xylene	11.84	106	265209	25.036	ug/L	95
55) o-xylene	12.17	106	246459	24.708	ug/L	95
56) Styrene	12.18	104	433210	25.539	ug/L	96
57) Isopropylbenzene	12.46	105	683297	25.165	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	129044	25.696	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	95468	25.372	ug/L	100
62) Bromoform	12.35	173	68575	25.296	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	293574	24.891	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	291551	24.357	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	262457	24.499	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	20568	25.508	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	208779	25.175	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	163956	24.891	ug/L	98
69) Naphthalene	15.37	128	327296	26.374	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	148195	25.250	ug/L	97

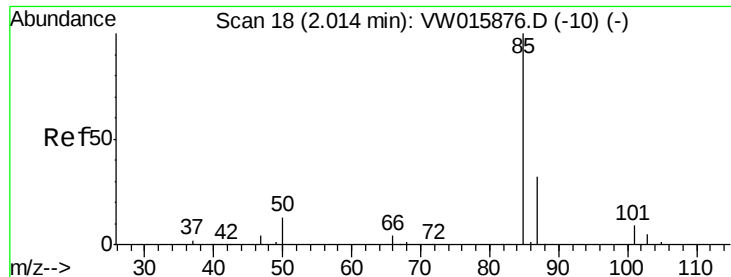
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.817 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

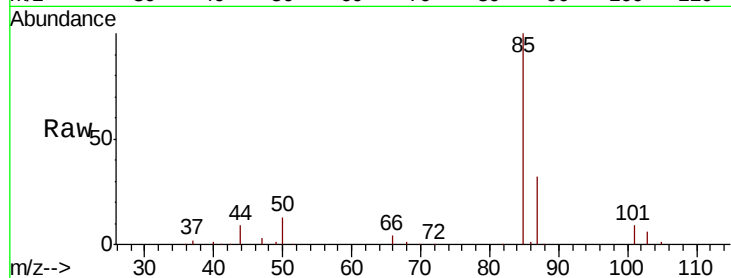
VSTD02517

Tot Ion: 85 Resp: 87224

Ion Ratio Lower Upper

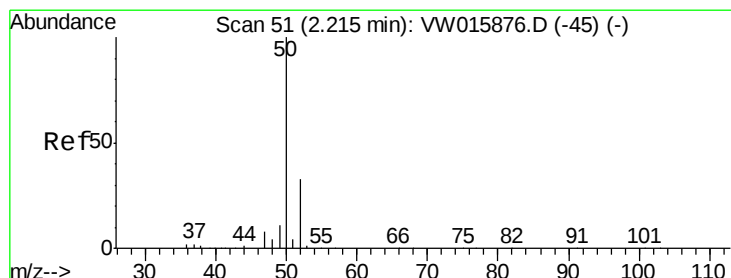
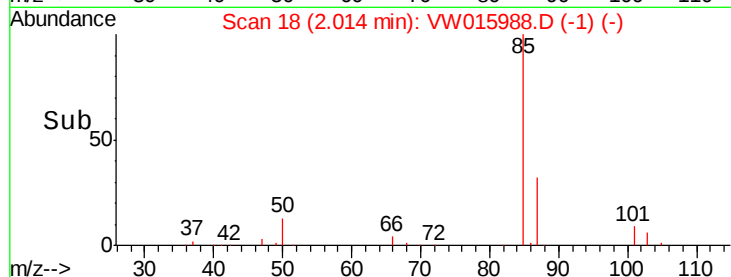
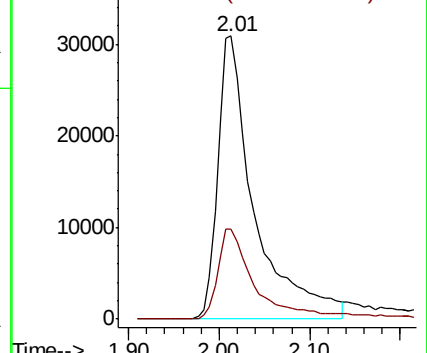
85 100

87 30.9 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.153 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015988.D

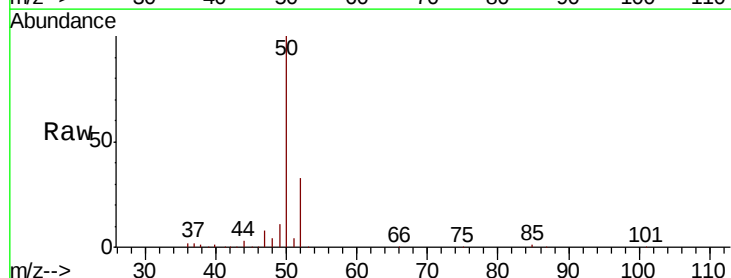
Acq: 29 Jul 2020 11:14

Tgt Ion: 50 Resp: 106983

Ion Ratio Lower Upper

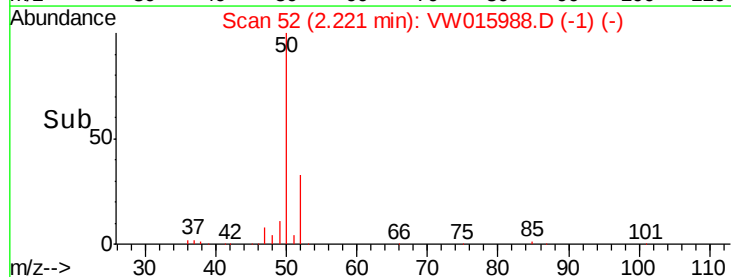
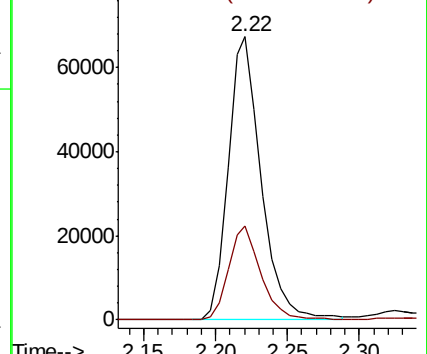
50 100

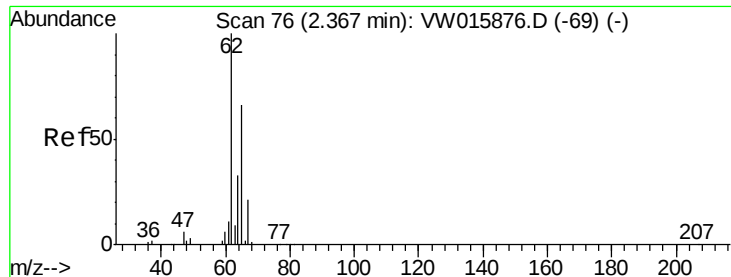
52 33.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.810 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

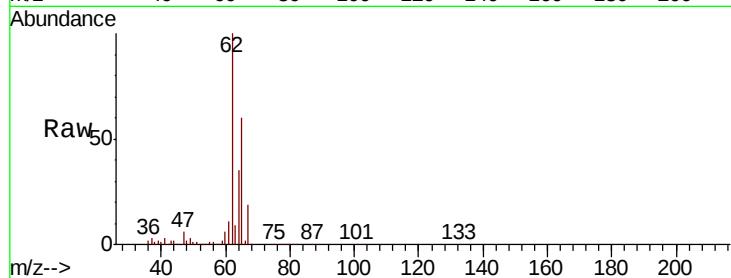
VSTD02517

Tot Ion: 62 Resp: 155826

Ion Ratio Lower Upper

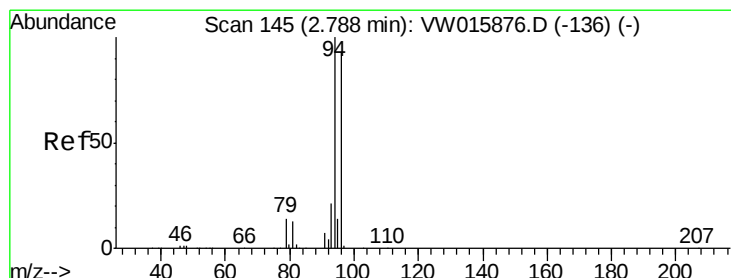
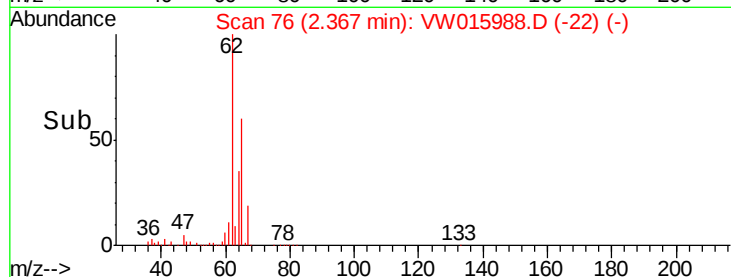
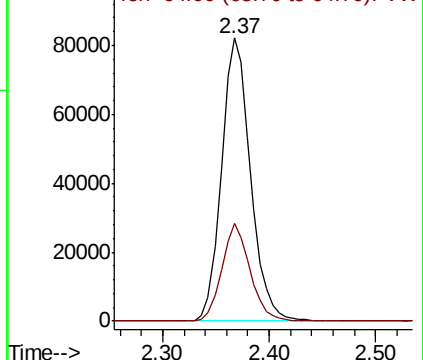
62 100

64 34.5 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.587 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015988.D

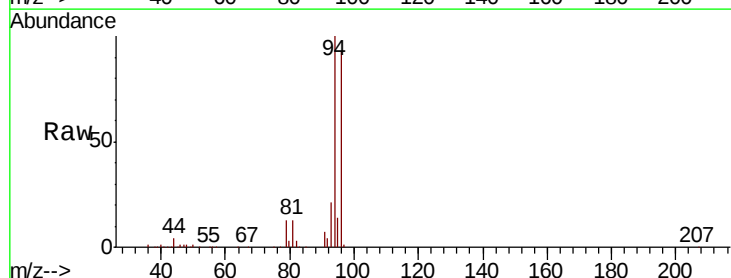
Acq: 29 Jul 2020 11:14

Tgt Ion: 94 Resp: 92054

Ion Ratio Lower Upper

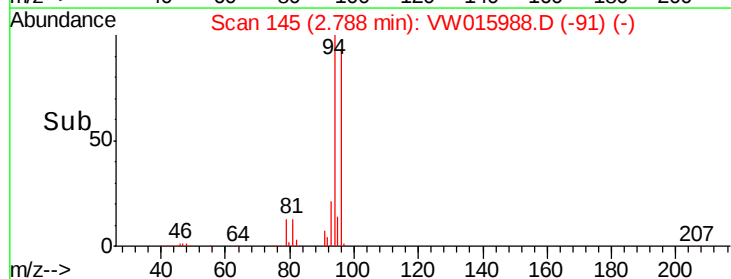
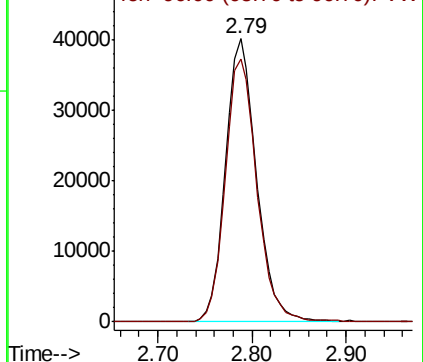
94 100

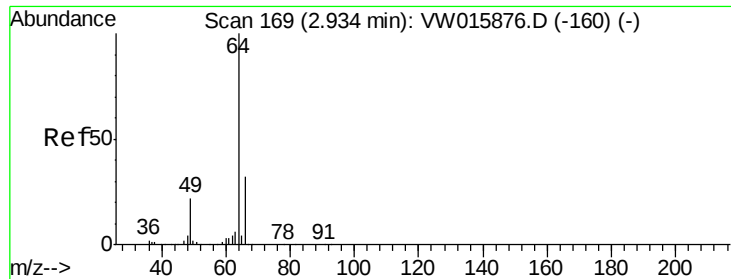
96 94.9 9.5 180.1



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.971 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

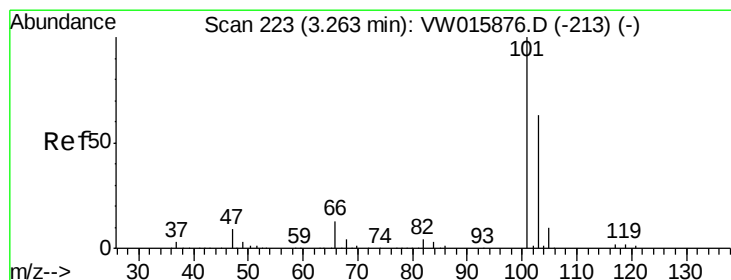
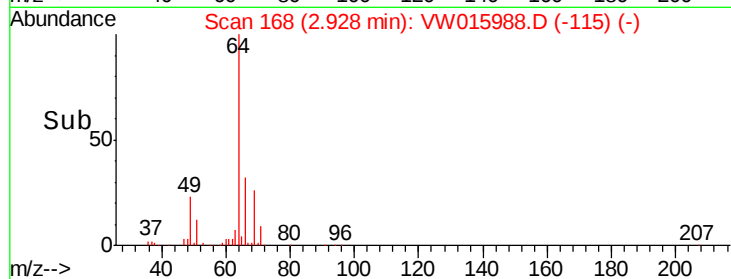
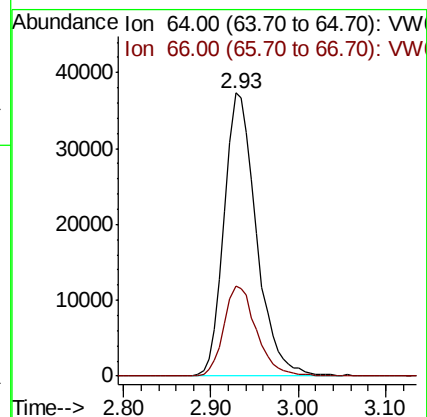
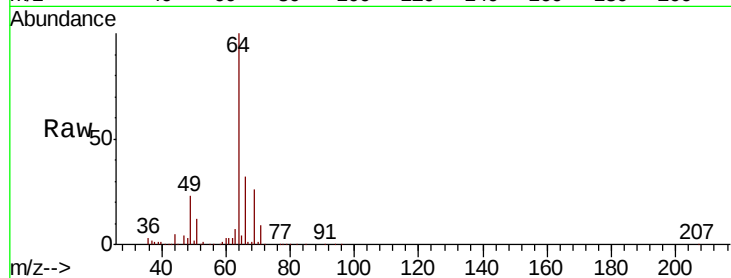
VSTD02517

Tot Ion: 64 Resp: 95932

Ion Ratio Lower Upper

64 100

66 31.7 21.8 40.4



#9

Trichlorofluoromethane

Concen: 27.914 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW015988.D

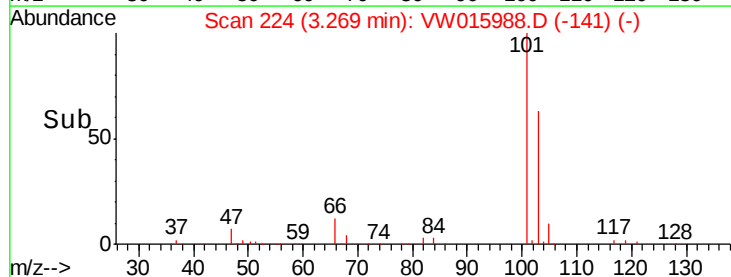
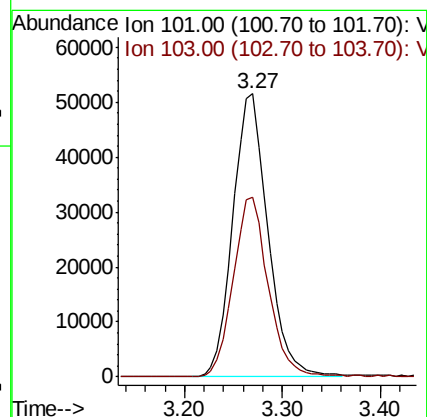
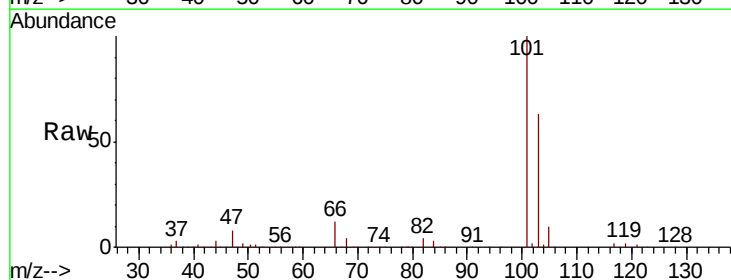
Acq: 29 Jul 2020 11:14

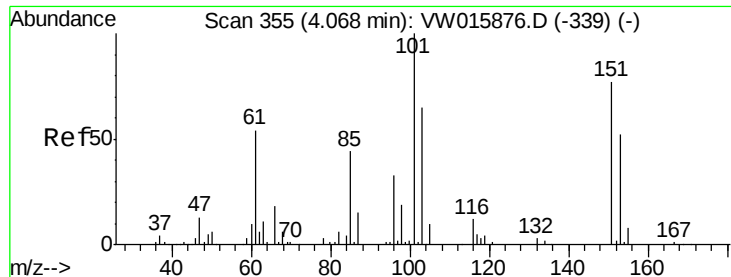
Tgt Ion:101 Resp: 128183

Ion Ratio Lower Upper

101 100

103 63.3 45.8 85.2





#11

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

Concen: 24.918 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

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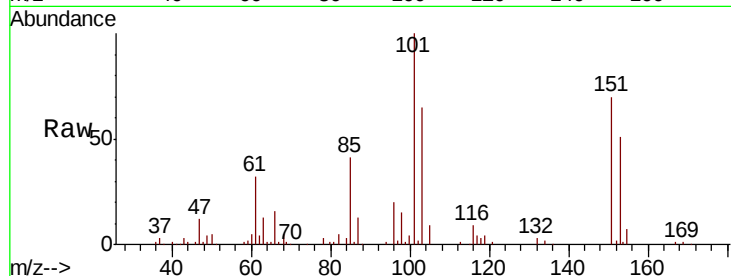
Tot Ion:101 Resp: 139871

Ion Ratio Lower Upper

101 100

85 41.9 35.5 53.3

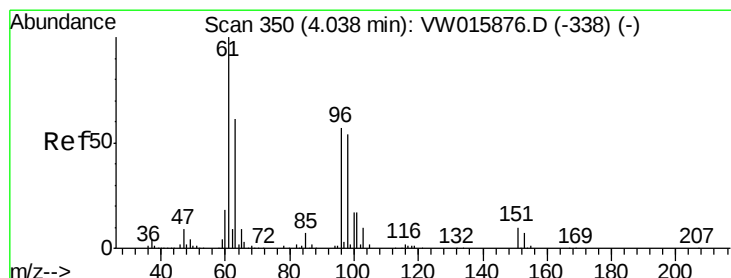
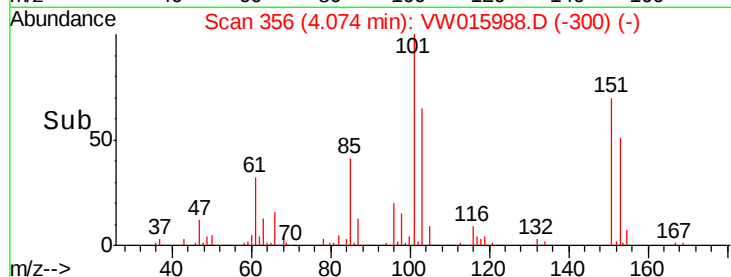
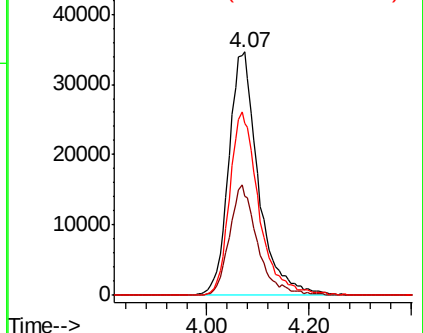
151 73.1 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.567 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

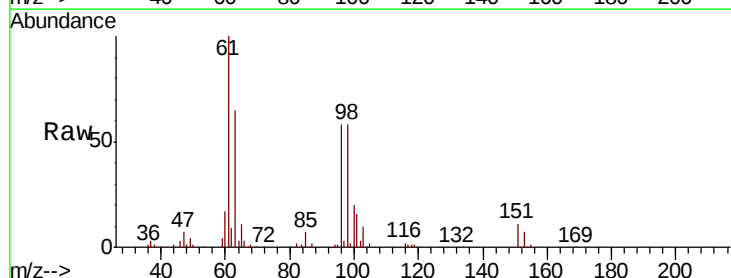
Tgt Ion: 96 Resp: 136682

Ion Ratio Lower Upper

96 100

61 173.3 125.0 232.2

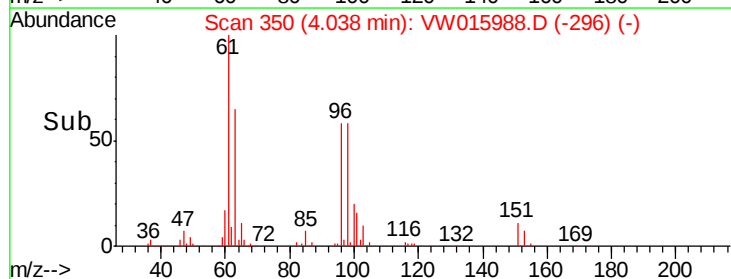
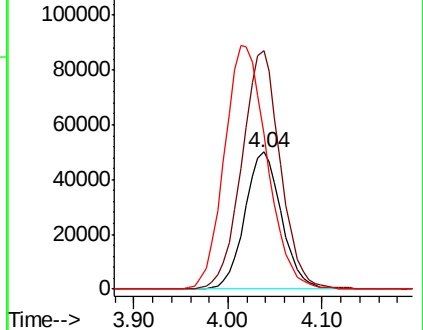
63 112.9 82.3 152.8

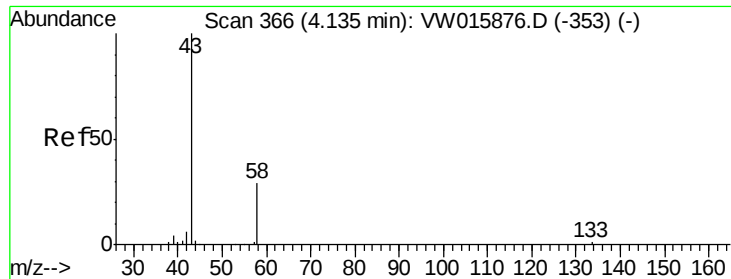


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 59.564 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

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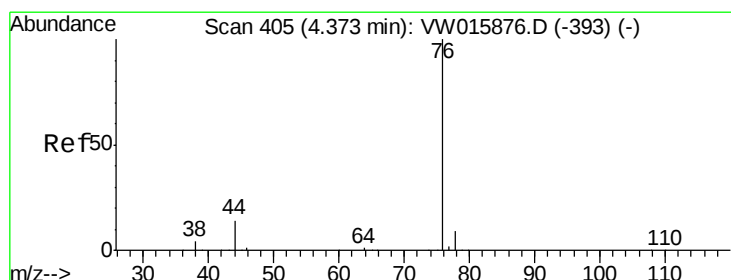
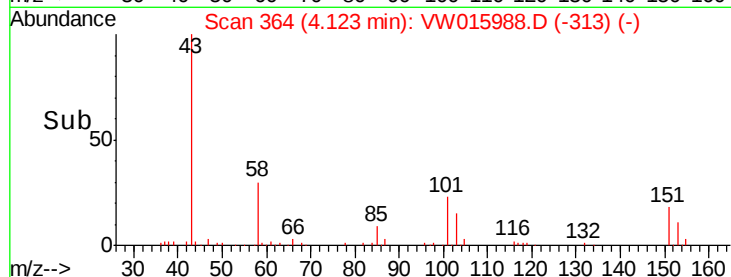
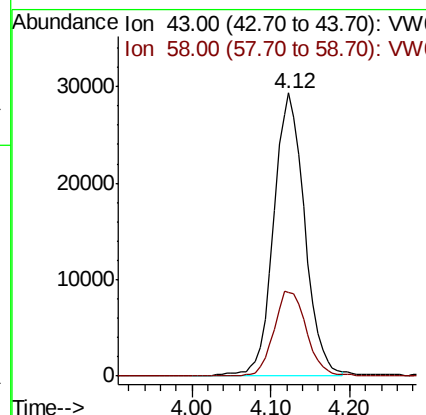
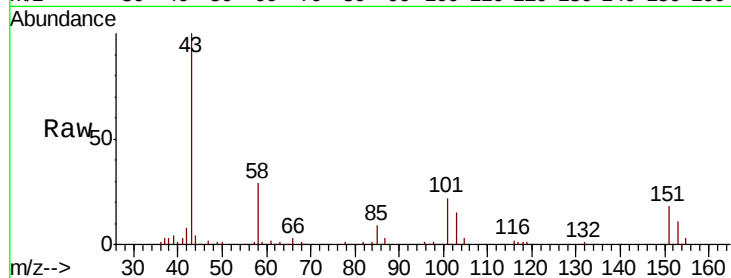
VSTD02517

Tot Ion: 43 Resp: 80245

Ion Ratio Lower Upper

43 100

58 31.6 0.0 58.2



#14

Carbon disulfide

Concen: 23.096 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015988.D

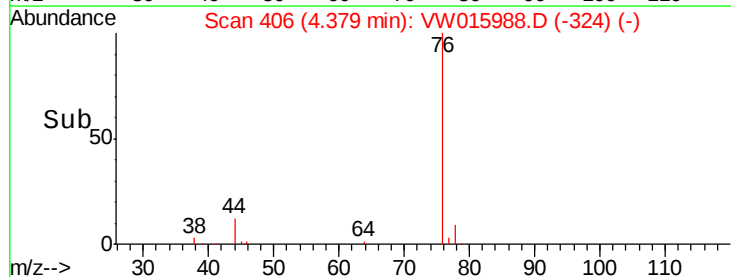
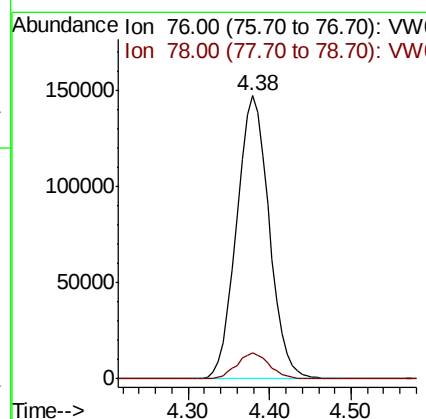
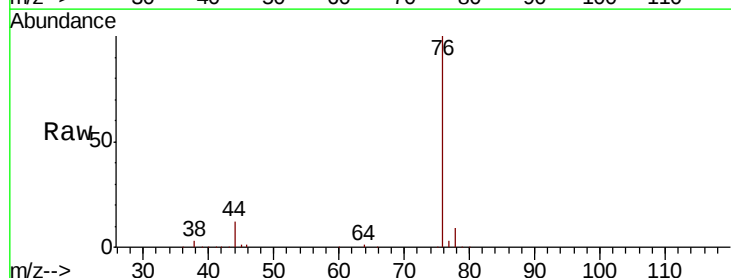
Acq: 29 Jul 2020 11:14

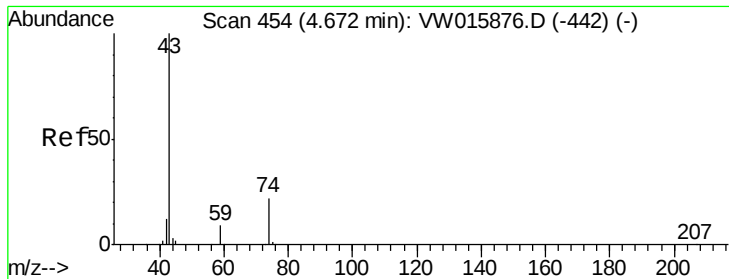
Tgt Ion: 76 Resp: 405819

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

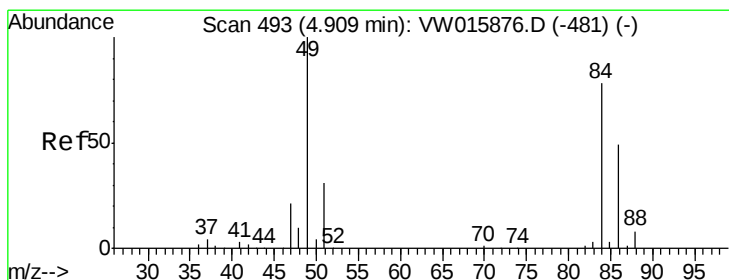
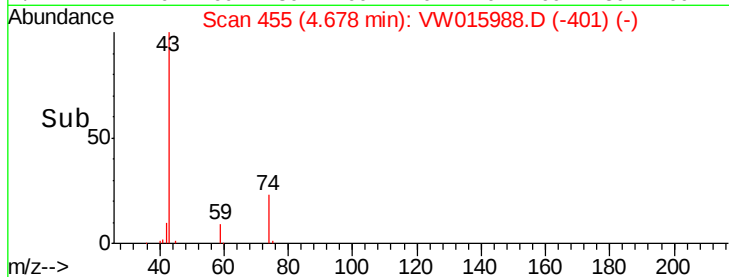
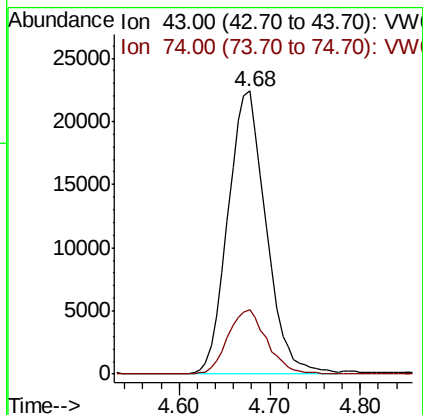
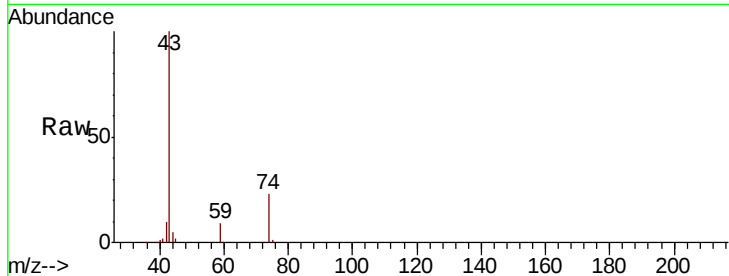




#15
Methyl Acetate
Concen: 25.824 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

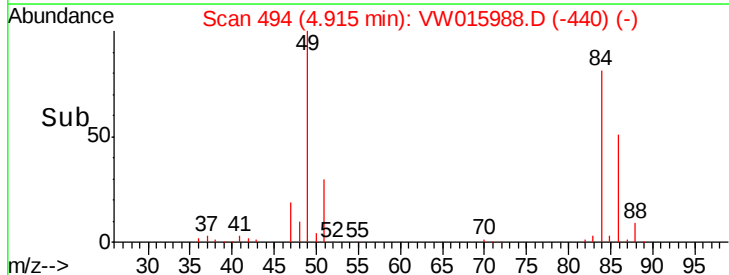
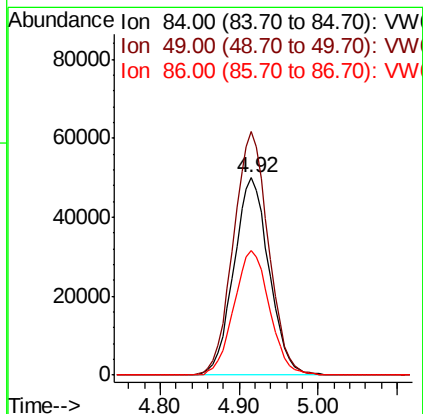
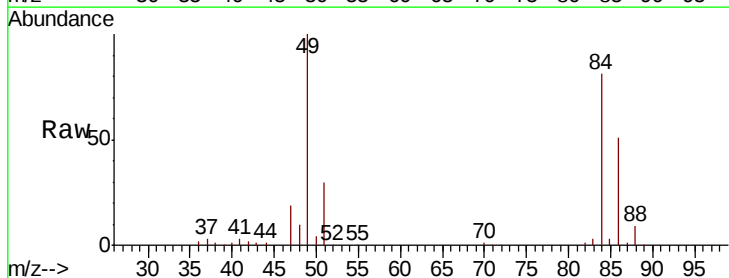
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

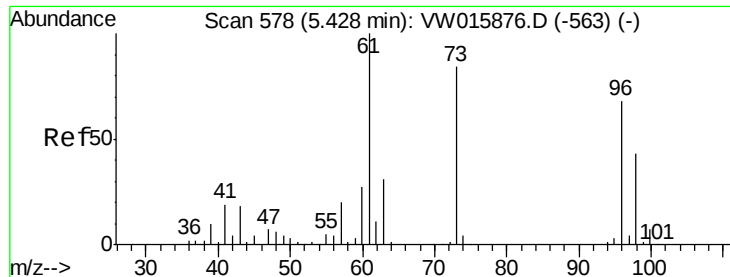
Tot Ion: 43 Resp: 65597
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#16
Methylene chloride
Concen: 21.884 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion: 84 Resp: 155197
Ion Ratio Lower Upper
84 100
49 123.3 91.1 169.1
86 63.3 46.0 85.4

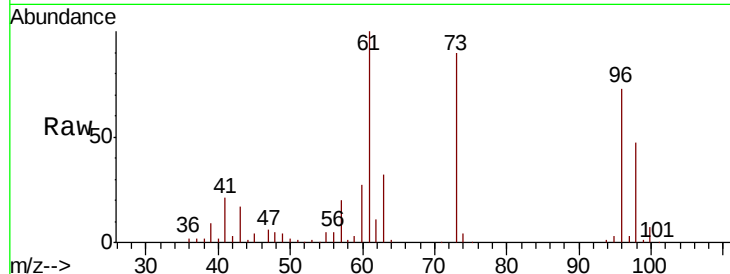




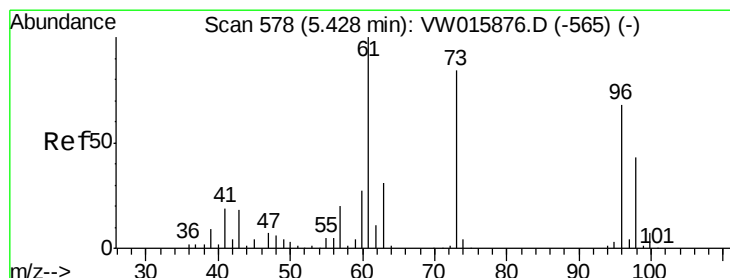
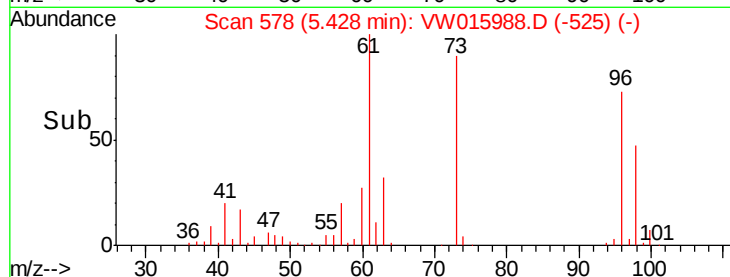
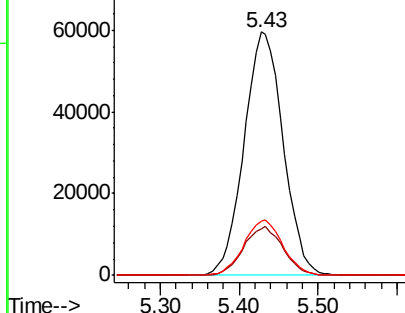
#17
Methvl tert-butvl Ether
Concen: 26.052 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tot Ion: 73 Resp: 204961
Ion Ratio Lower Upper
73 100
43 20.3 18.4 27.6
57 22.6 17.8 26.8

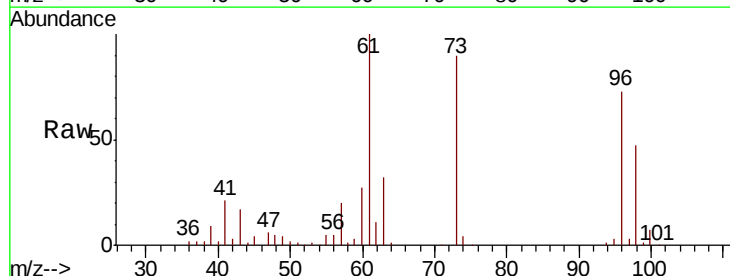


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

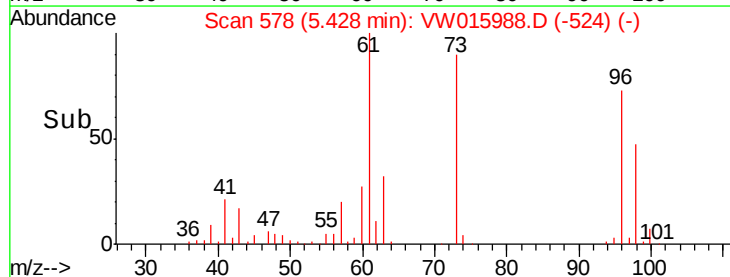
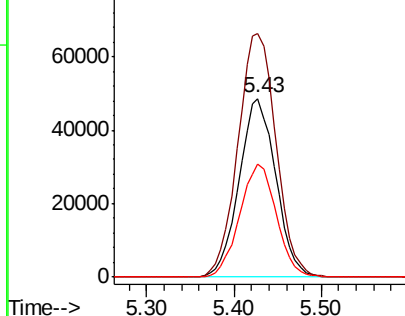


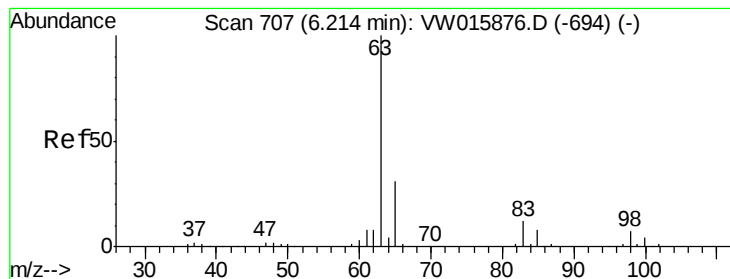
#18
trans-1,2-Dichloroethene
Concen: 24.195 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion: 96 Resp: 142149
Ion Ratio Lower Upper
96 100
61 136.1 99.3 184.5
98 63.5 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: 24.177 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

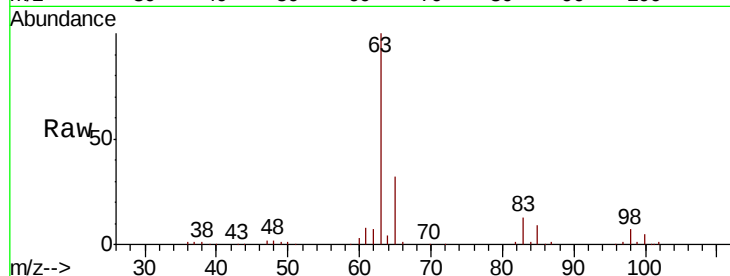
Tot Ion: 63 Resp: 261752

Ion Ratio Lower Upper

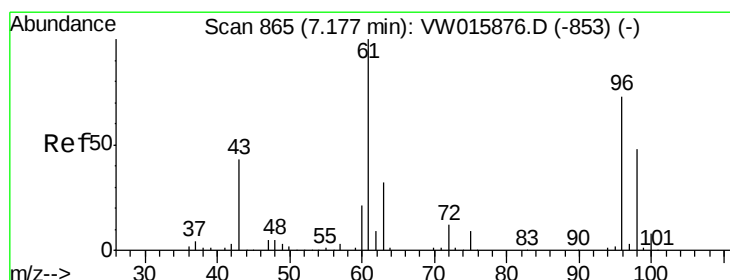
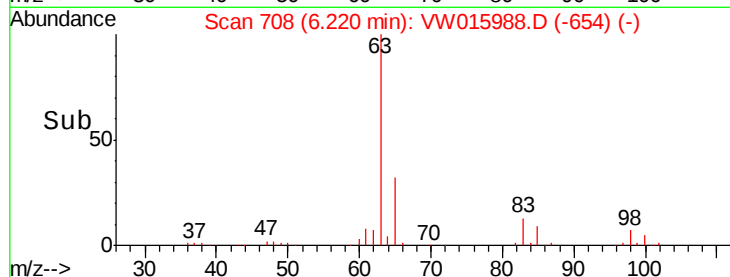
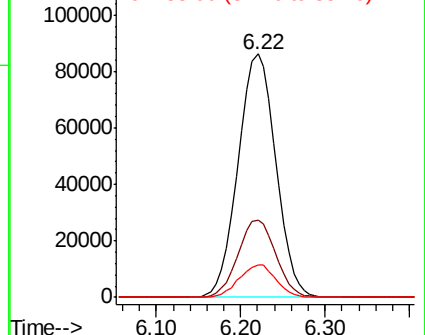
63 100

65 31.7 22.2 41.2

83 13.4 9.8 18.2



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



#21

2-Butanone

Concen: 54.531 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW015988.D

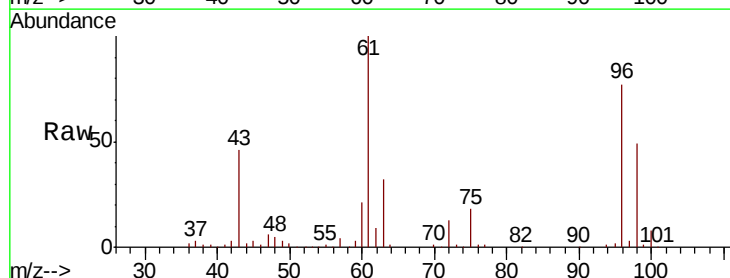
Acq: 29 Jul 2020 11:14

Tgt Ion: 43 Resp: 90845

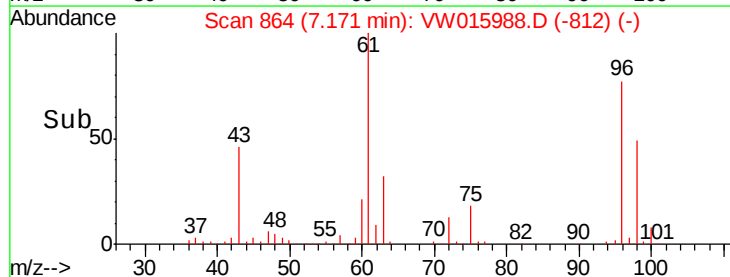
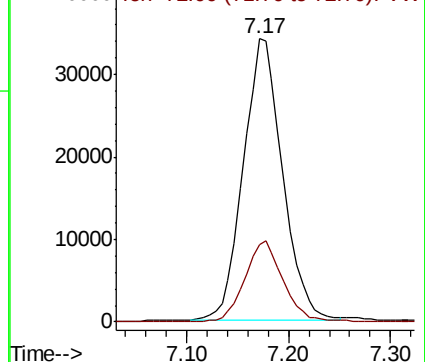
Ion Ratio Lower Upper

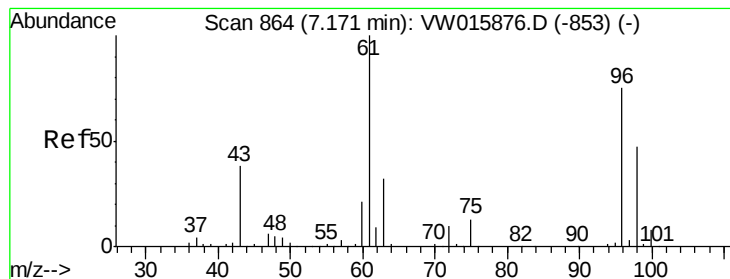
43 100

72 28.0 13.9 41.7



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



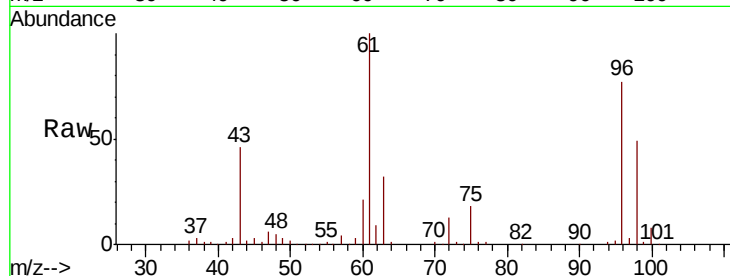


#22

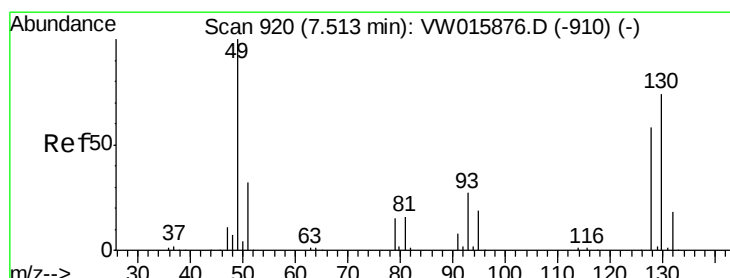
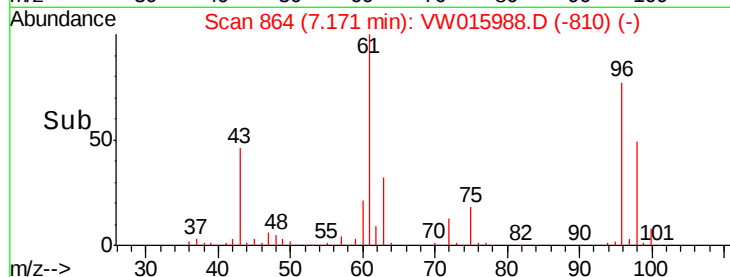
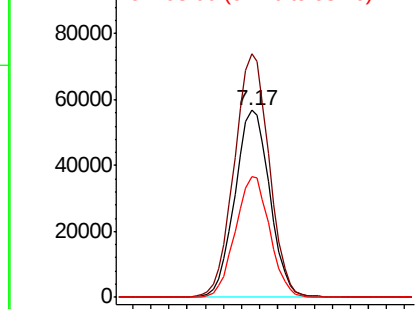
cis-1,2-Dichloroethene
Concen: 24.669 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tot Ion: 96 Resp: 151631
Ion Ratio Lower Upper
96 100
61 130.2 94.6 175.8
98 64.4 44.3 82.3



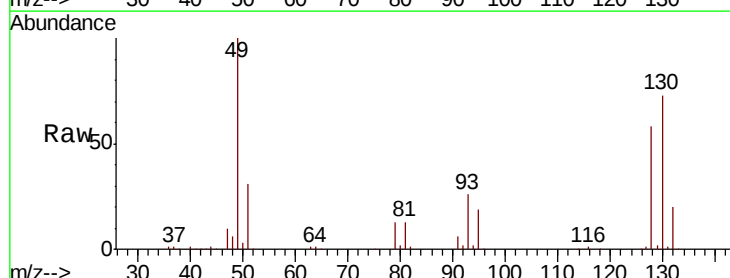
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



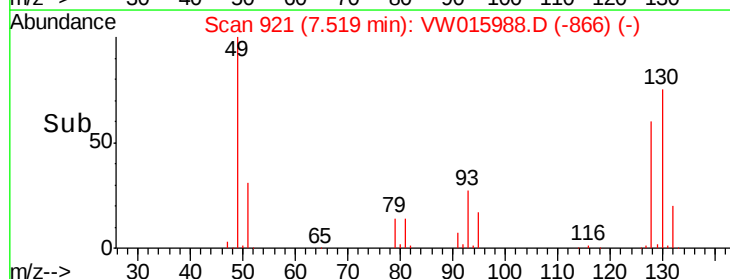
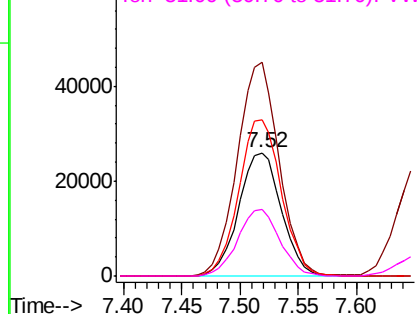
#23

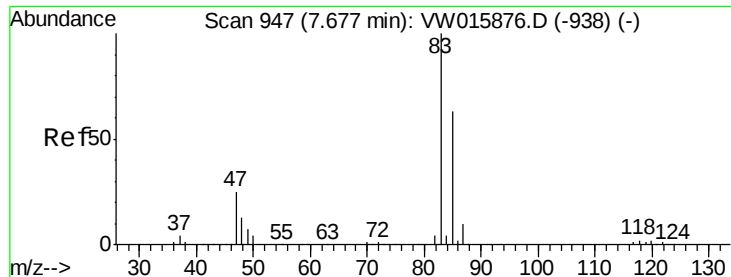
Bromochloromethane
Concen: 24.527 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion: 128 Resp: 66110
Ion Ratio Lower Upper
128 100
49 173.2 122.4 227.2
130 126.2 93.9 174.5
51 53.7 43.2 64.8



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

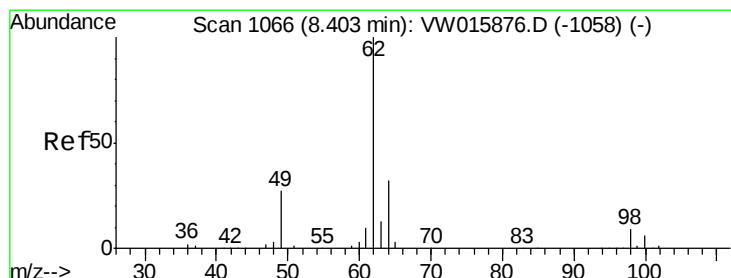
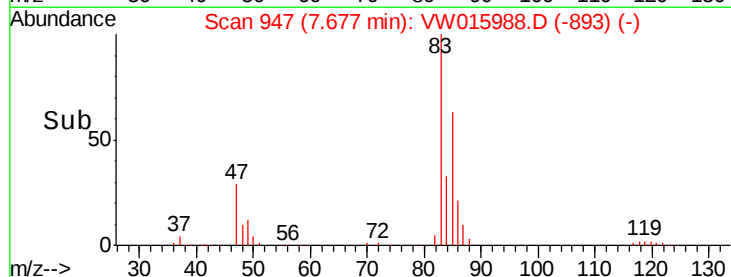
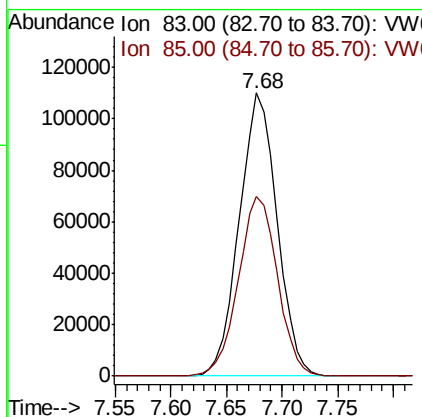
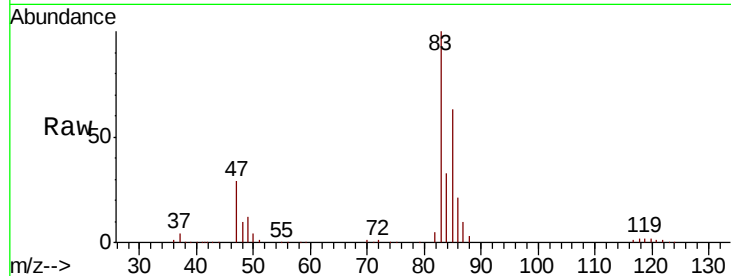




#25
Chloroform
Concen: 24.232 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

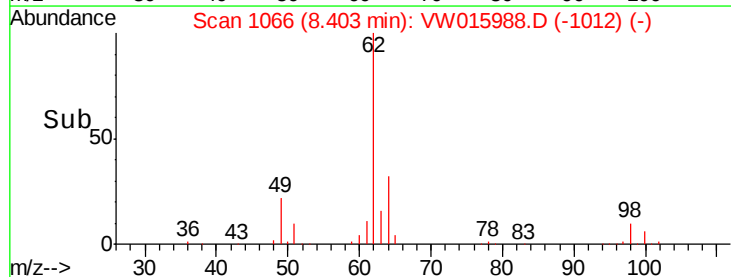
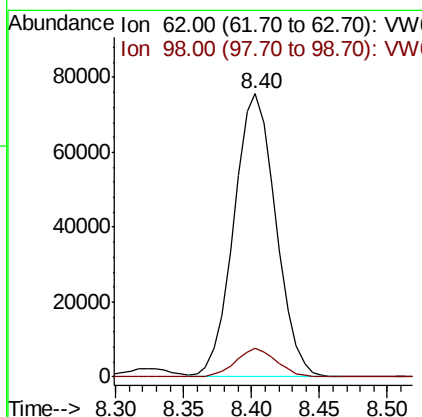
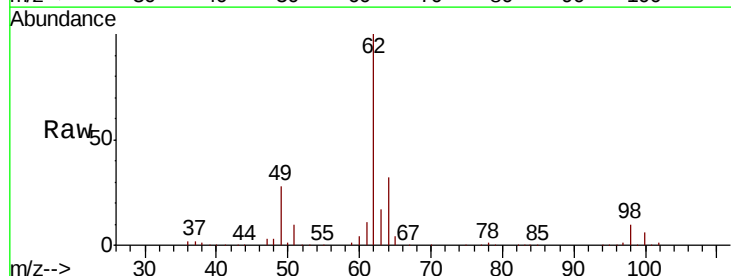
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

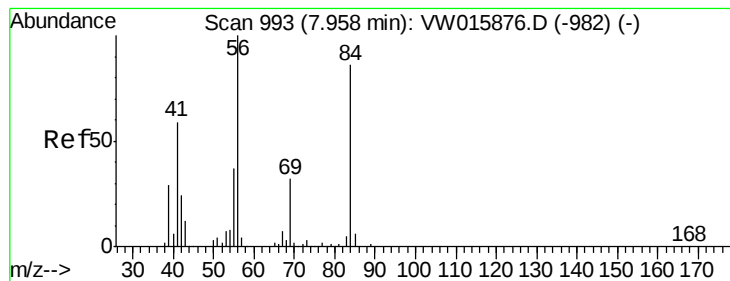
Tot Ion: 83 Resp: 260009
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 22.219 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion: 62 Resp: 162227
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.6





#30

Cyclohexane

Concen: 24.213 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

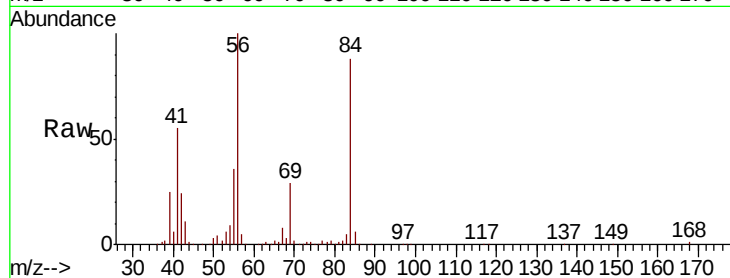
Tot Ion: 56 Resp: 241324

Ion Ratio Lower Upper

56 100

69 31.0 24.4 36.6

84 87.3 69.3 103.9

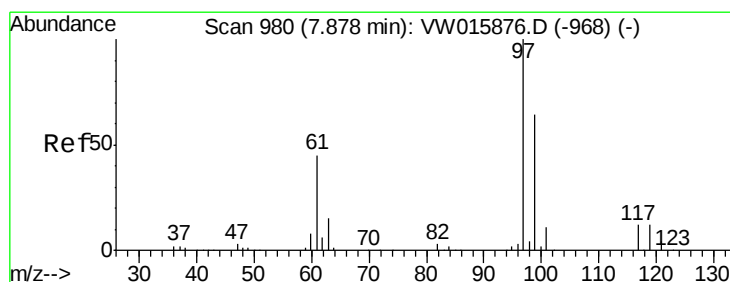
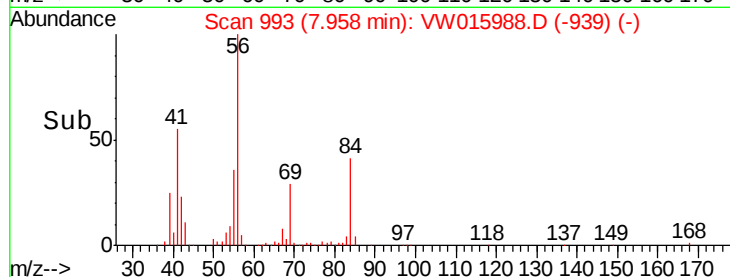
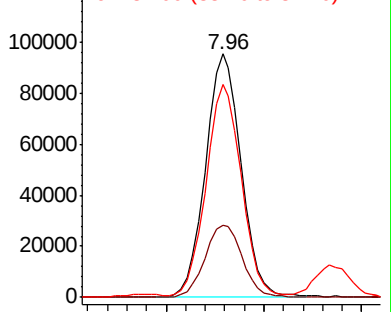


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 23.767 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

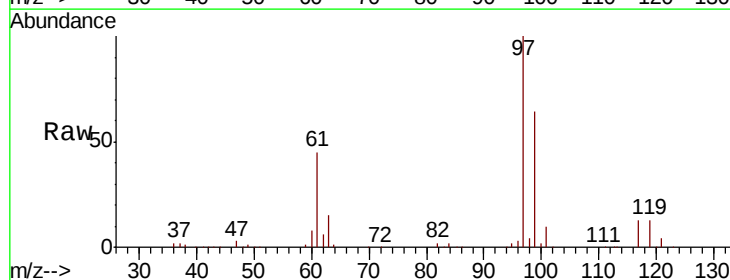
Tgt Ion: 97 Resp: 219359

Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 45.7 37.6 56.4

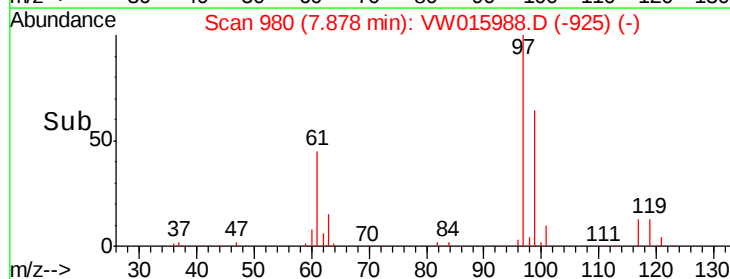
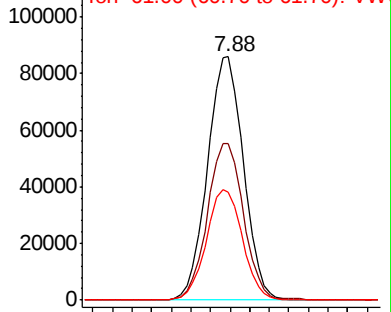


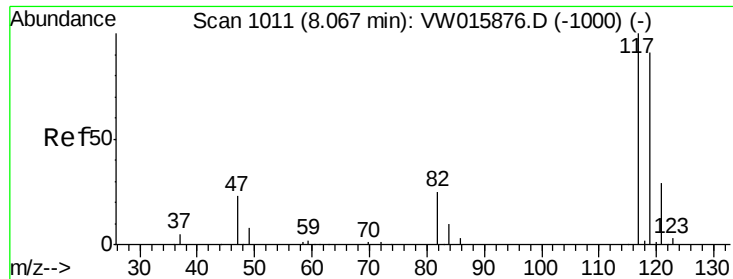
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.641 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

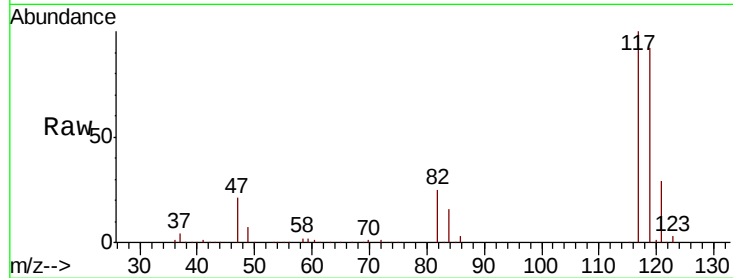
VSTD02517

Tot Ion:117 Resp: 197865

Ion Ratio Lower Upper

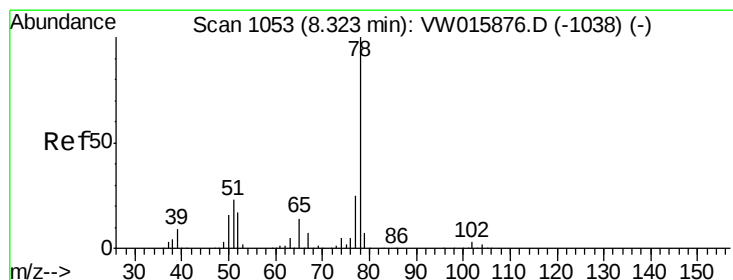
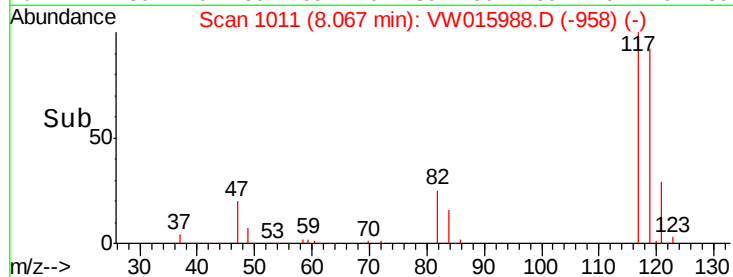
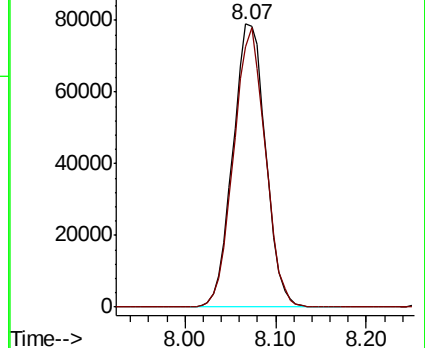
117 100

119 95.3 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: 24.464 ug/L

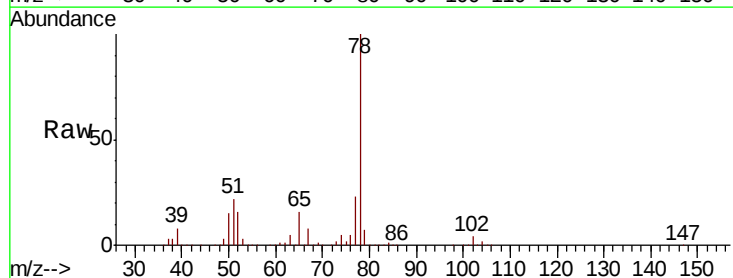
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

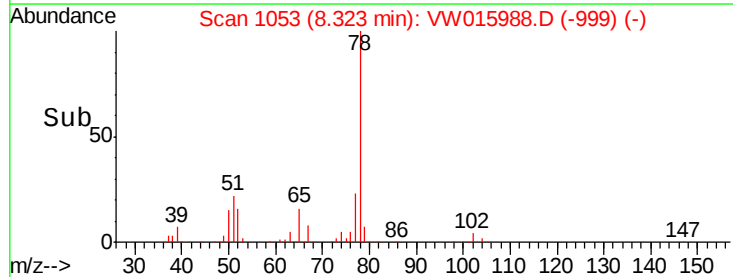
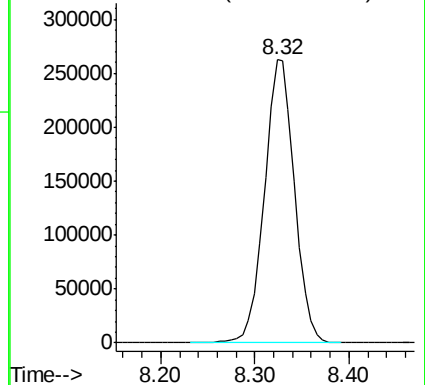
Lab File: VW015988.D

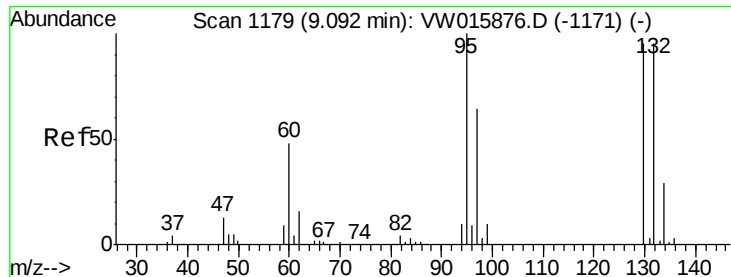
Acq: 29 Jul 2020 11:14

Tgt Ion: 78 Resp: 587308



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.685 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tot Ion: 95 Resp: 150420

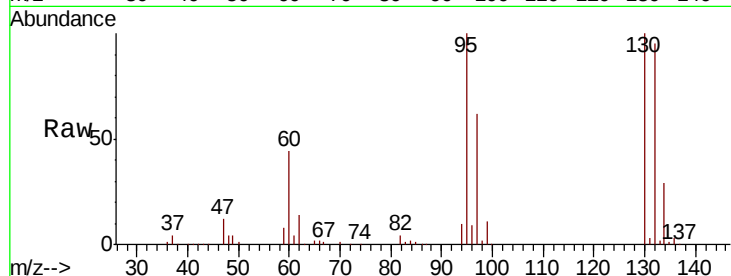
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 97.5 65.1 120.9

130 100.9 68.6 127.4



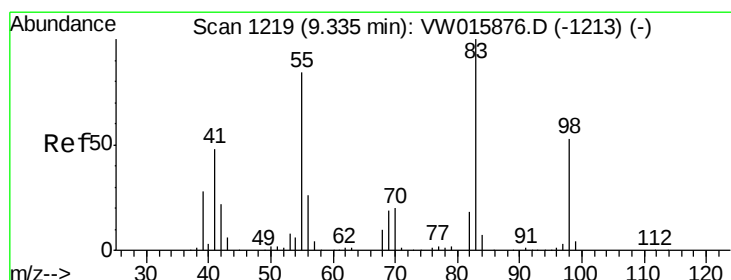
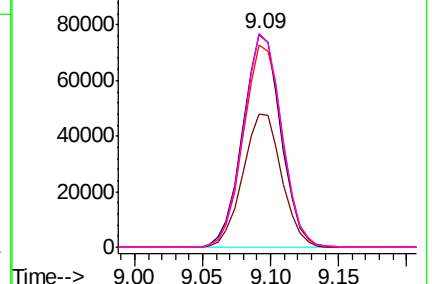
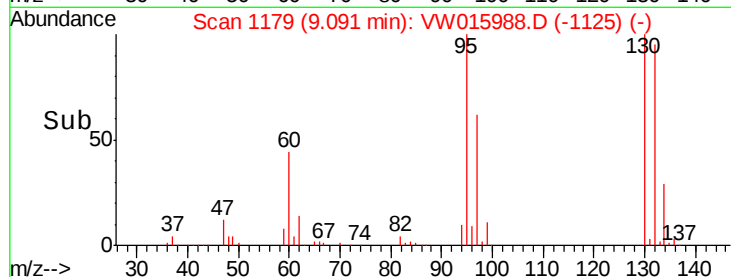
Abundance

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: 24.694 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

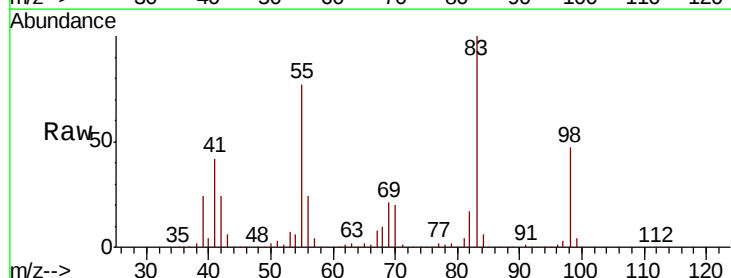
Tgt Ion: 83 Resp: 269097

Ion Ratio Lower Upper

83 100

55 77.6 63.5 95.3

98 48.4 39.0 58.4

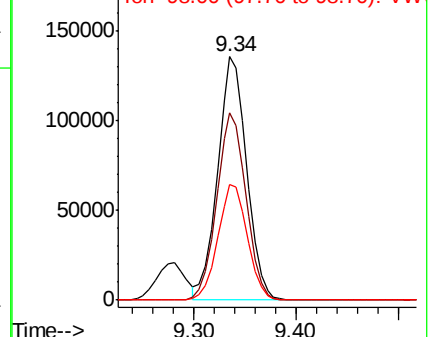
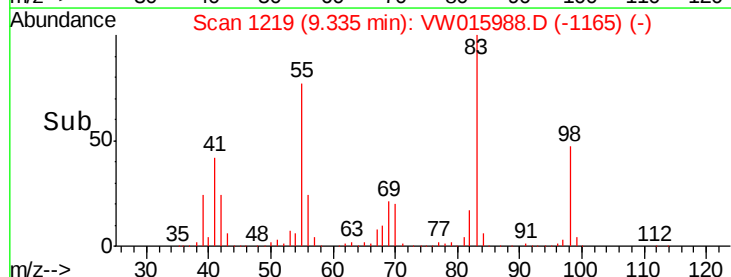


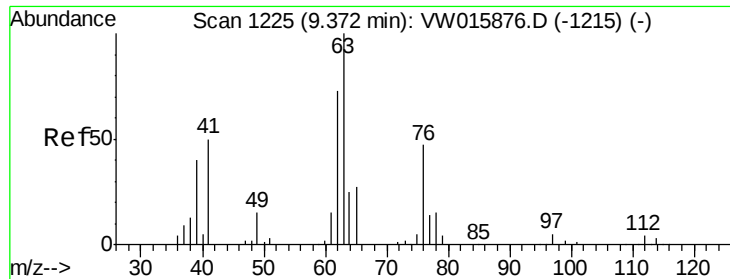
Abundance

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

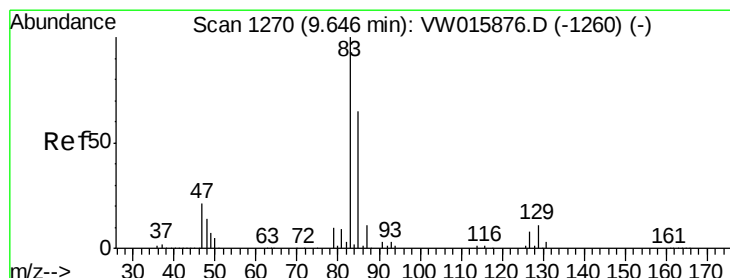
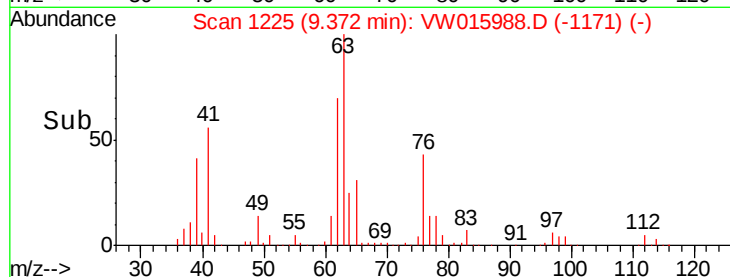
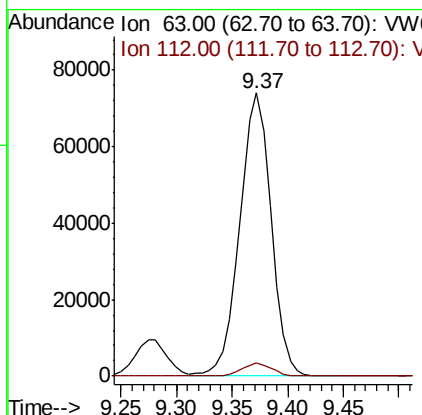
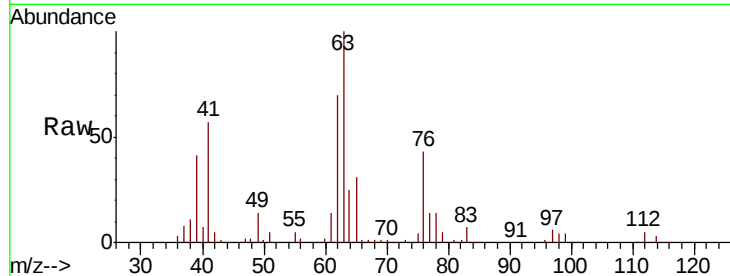




#40
 1,2-Dichloropropane
 Concen: 24.331 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

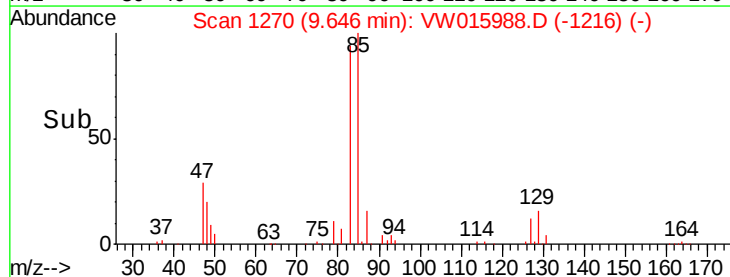
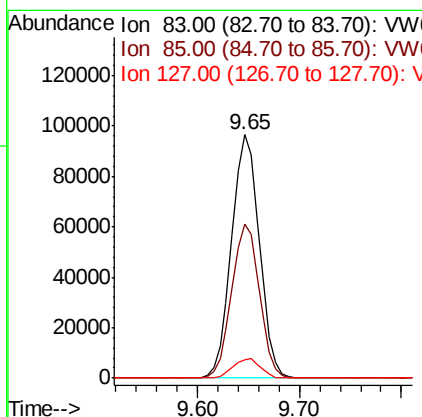
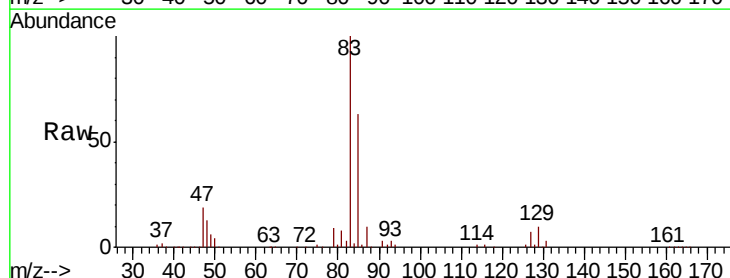
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

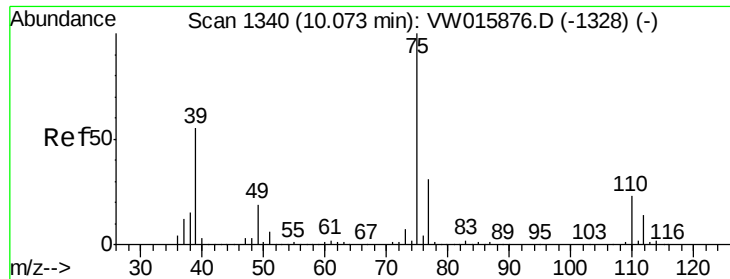
Tot Ion: 63 Resp: 144704
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.592 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion: 83 Resp: 181203
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.7 81.1
 127 7.4 6.5 9.7

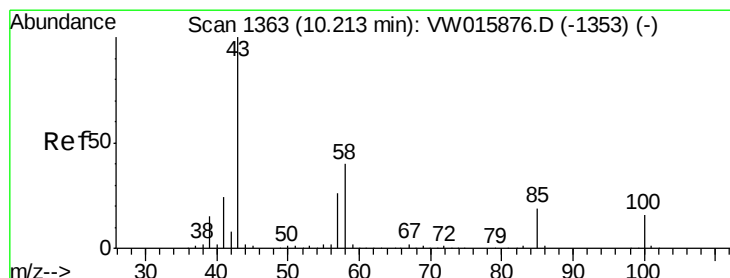
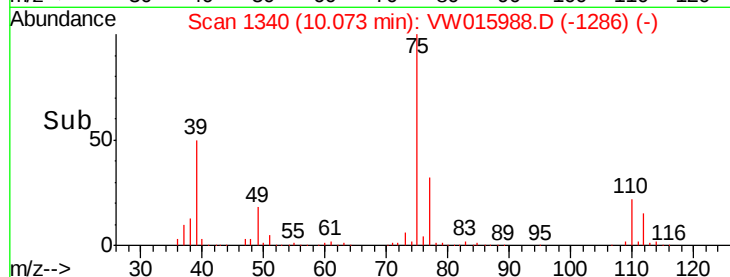
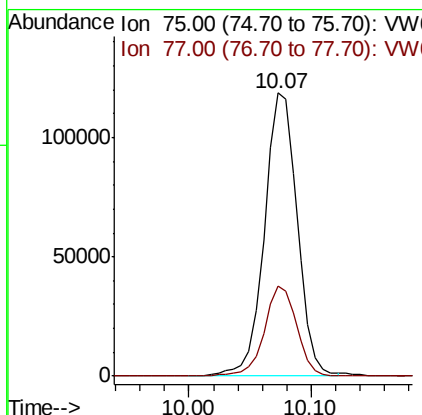
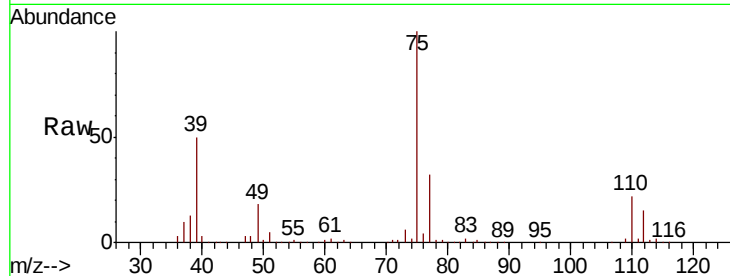




#42
 cis-1,3-Dichloropropene
 Concen: 24.496 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

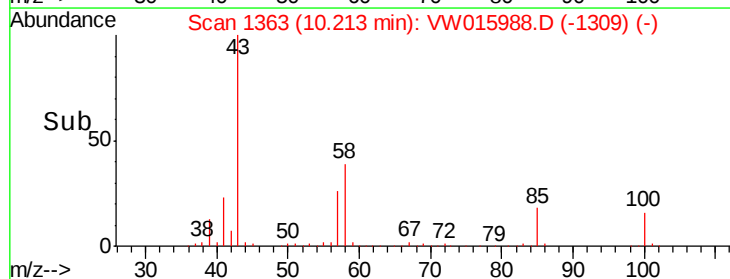
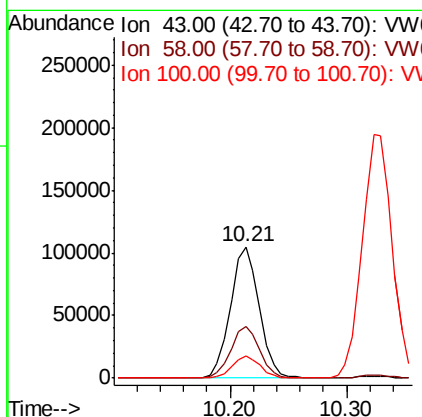
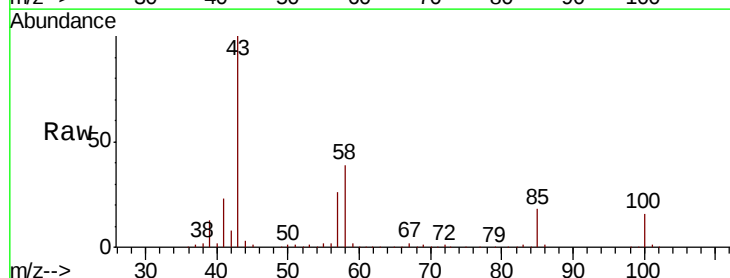
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02517

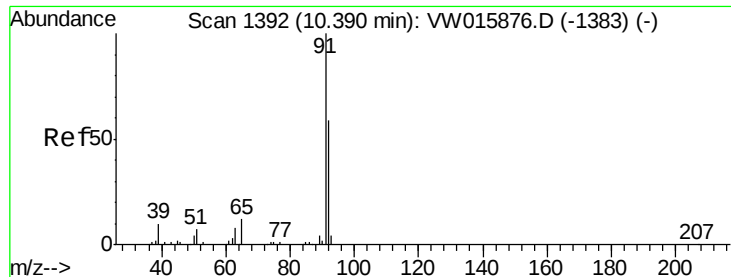
Tot Ion: 75 Resp: 221885
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 51.790 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion: 43 Resp: 179786
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.4
 100 16.4 12.6 19.0





#44

Toluene

Concen: 24.724 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

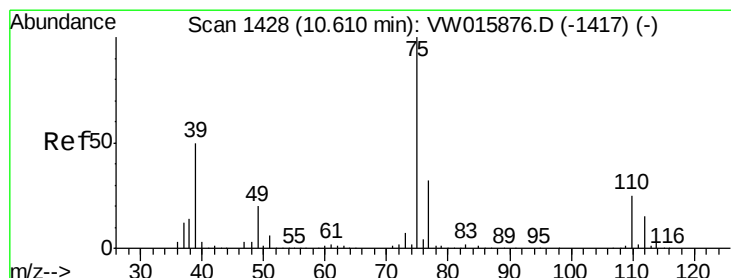
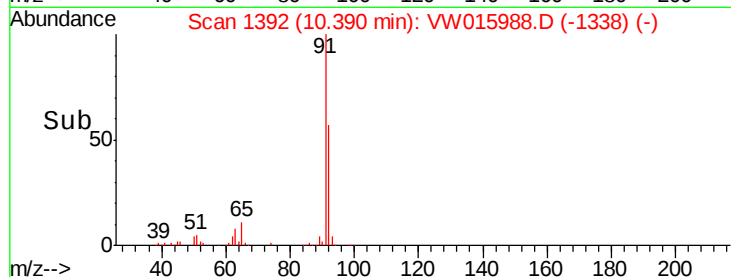
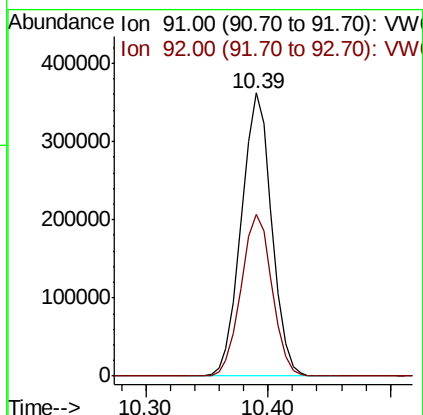
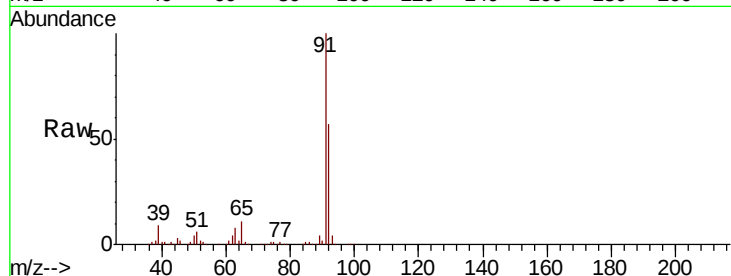
VSTD02517

Tot Ion: 91 Resp: 622544

Ion Ratio Lower Upper

91 100

92 57.3 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.342 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015988.D

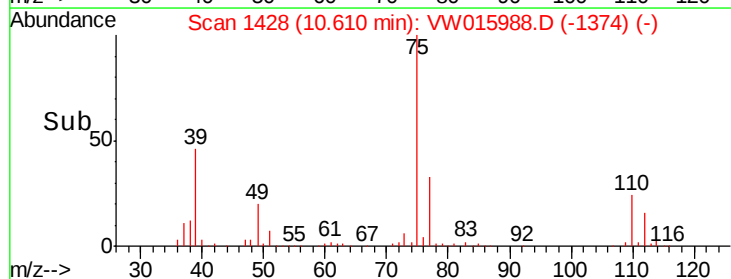
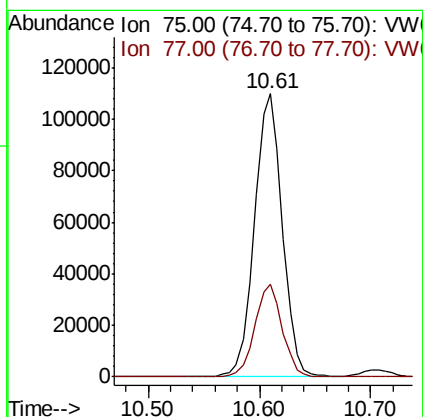
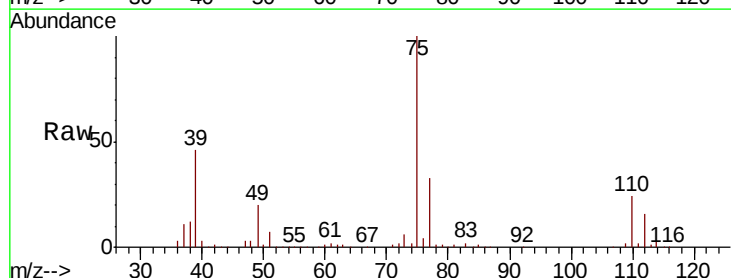
Acq: 29 Jul 2020 11:14

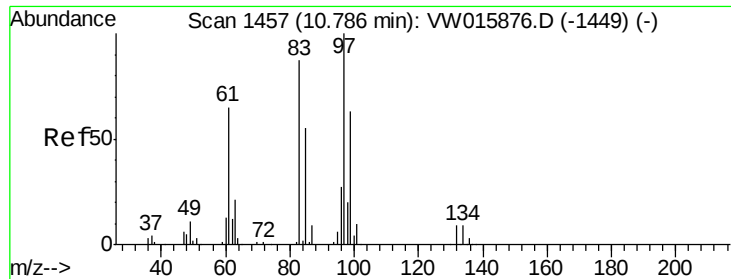
Tgt Ion: 75 Resp: 191116

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.9

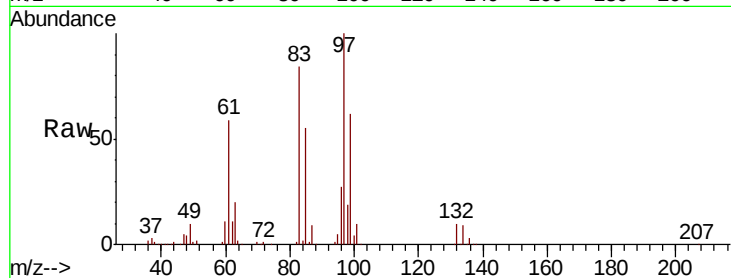




#46
 1,1,2-Trichloroethane
 Concen: 24.621 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

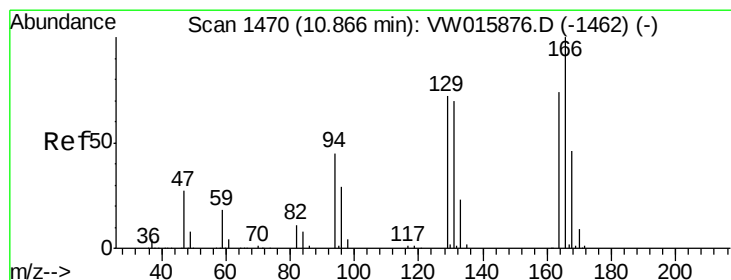
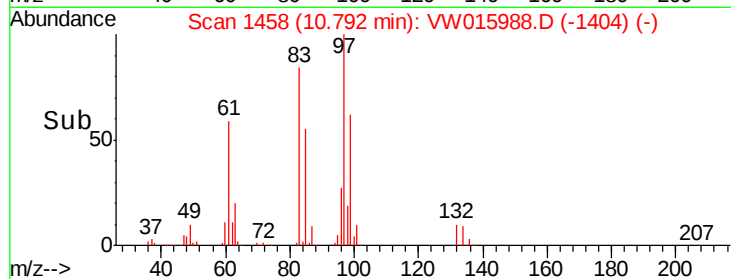
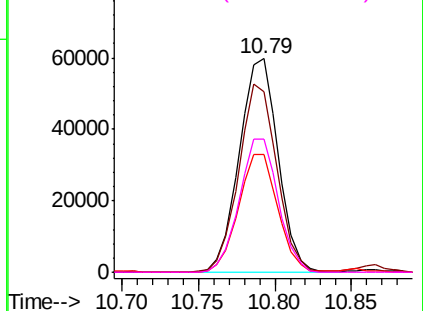
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion:	97	Resp:	105298
Ion	Ratio	Lower	Upper
97	100		
83	84.4	60.6	112.6
85	55.3	38.9	72.2
99	62.1	43.1	80.1



Abundance

Ion 97.00 (96.70 to 97.70): VW

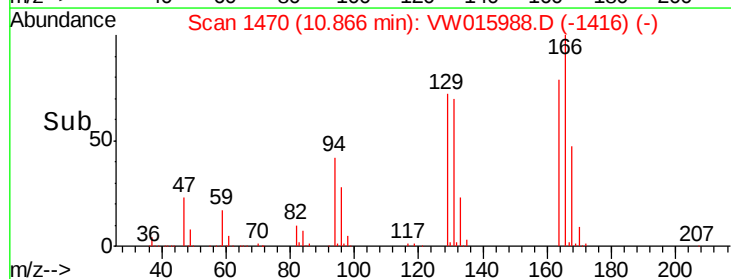
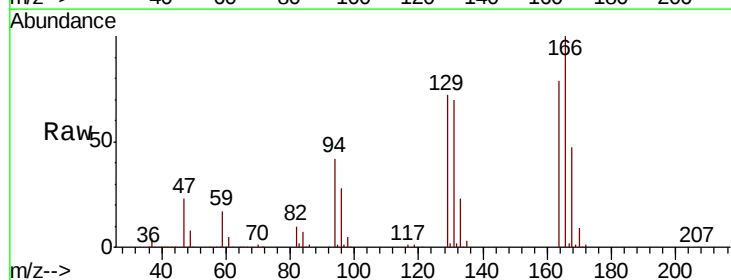
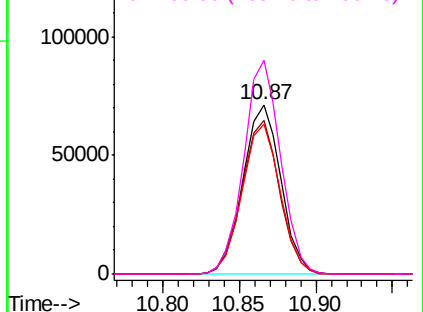


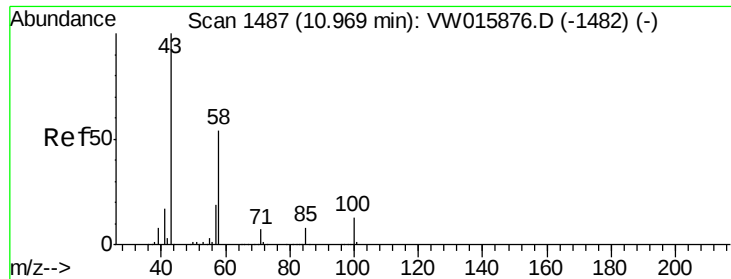
#47
 Tetrachloroethene
 Concen: 24.790 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion:	164	Resp:	122203
Ion	Ratio	Lower	Upper
164	100		
129	91.0	70.0	130.0
131	88.8	67.3	124.9
166	126.4	88.5	164.3

Abundance

Ion 164.00 (163.70 to 164.70): V

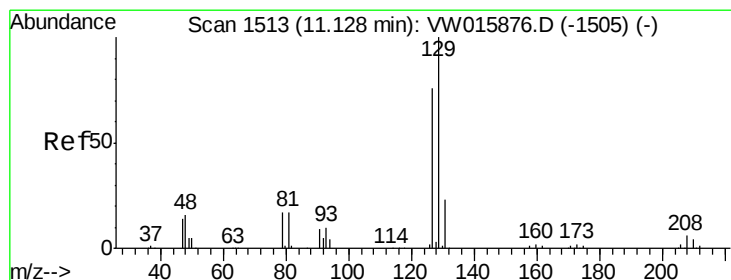
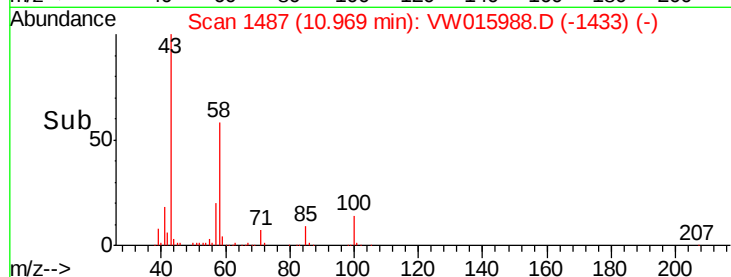
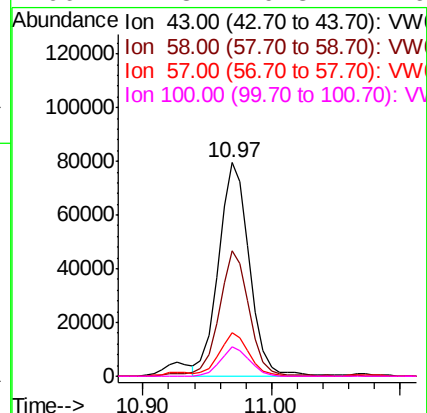
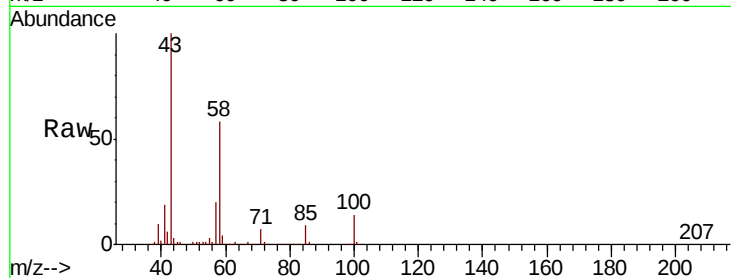




#49
2-Hexanone
Concen: 54.349 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

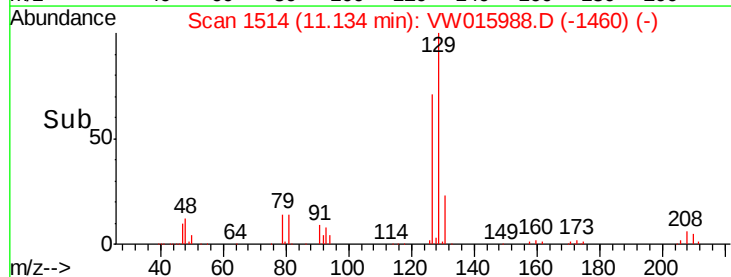
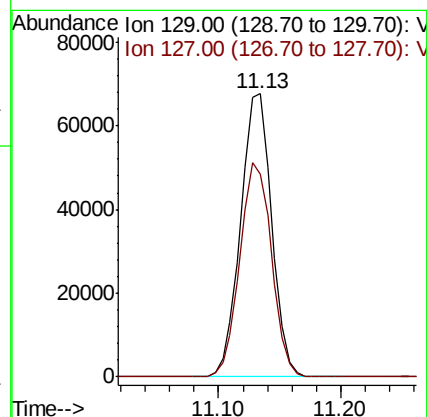
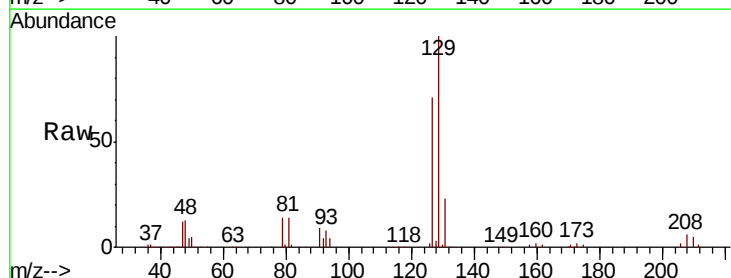
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

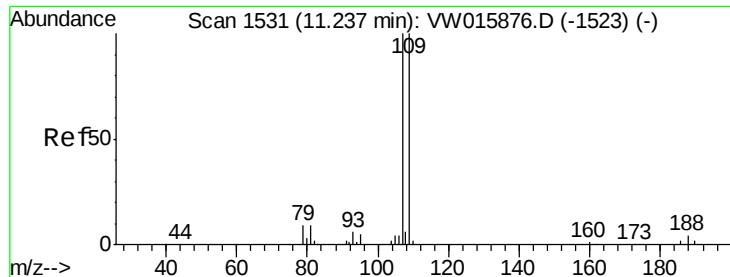
Tot Ion: 43 Resp: 133887
Ion Ratio Lower Upper
43 100
58 57.7 42.4 63.6
57 19.8 15.6 23.4
100 12.8 9.8 14.6



#50
Dibromochloromethane
Concen: 24.045 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion: 129 Resp: 119055
Ion Ratio Lower Upper
129 100
127 71.4 53.8 100.0





#51

1,2-Dibromoethane

Concen: 24.225 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

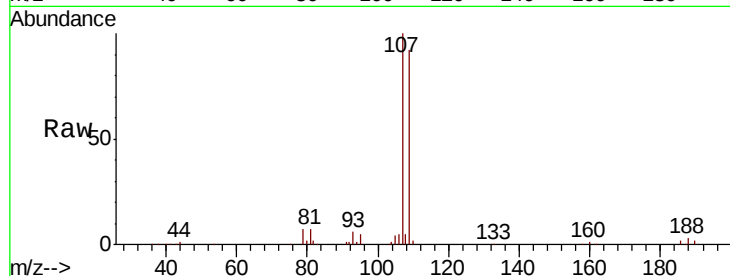
Tot Ion:107 Resp: 99113

Ion Ratio Lower Upper

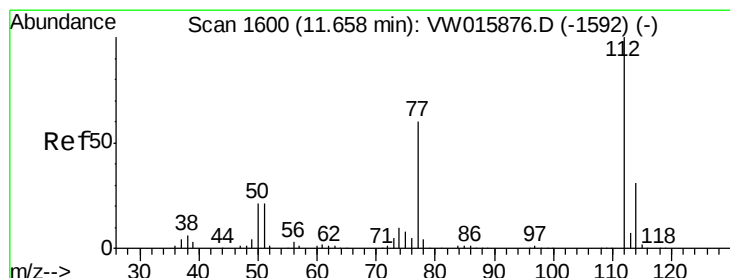
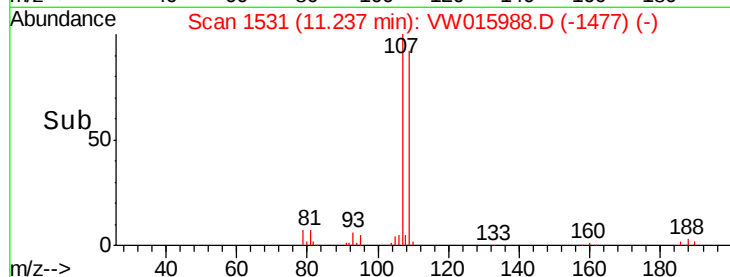
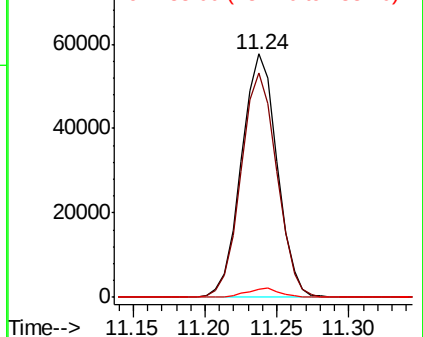
107 100

109 92.1 66.9 124.3

188 3.4 3.2 4.8



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: 23.996 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

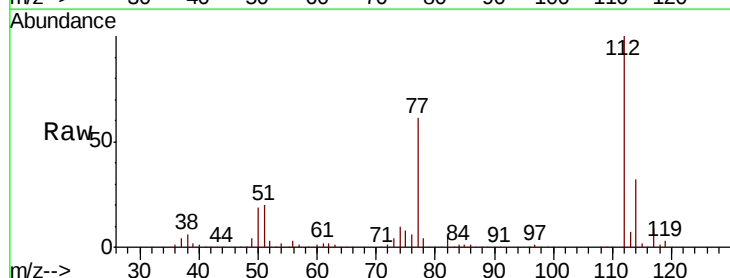
Tgt Ion:112 Resp: 387168

Ion Ratio Lower Upper

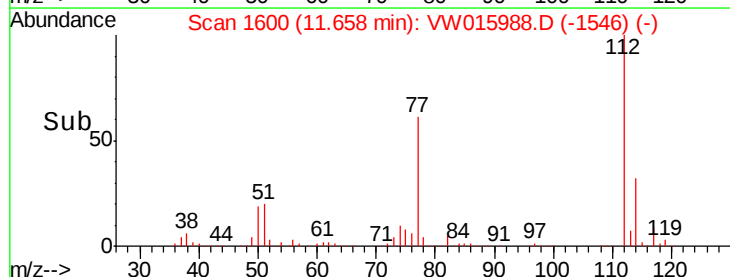
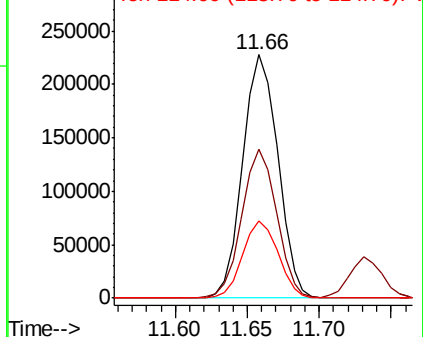
112 100

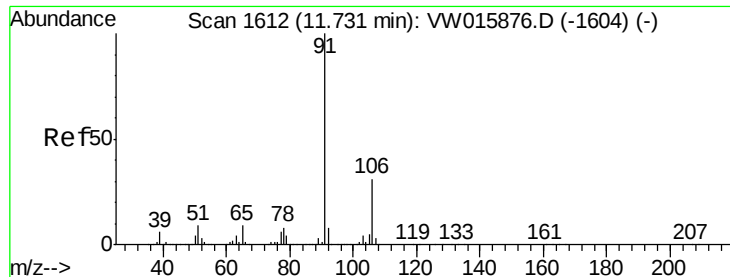
77 61.2 47.8 71.6

114 31.9 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.538 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

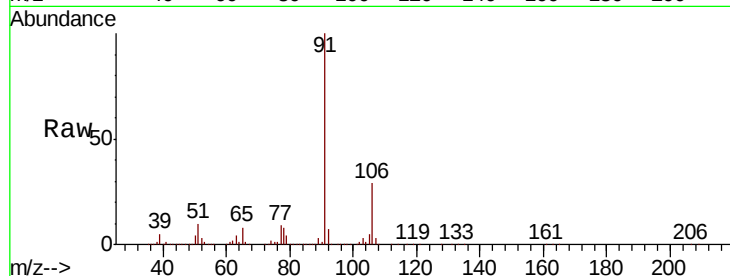
VSTD02517

Tot Ion: 91 Resp: 694776

Ion Ratio Lower Upper

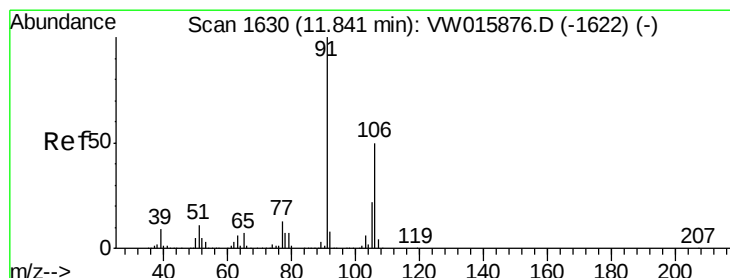
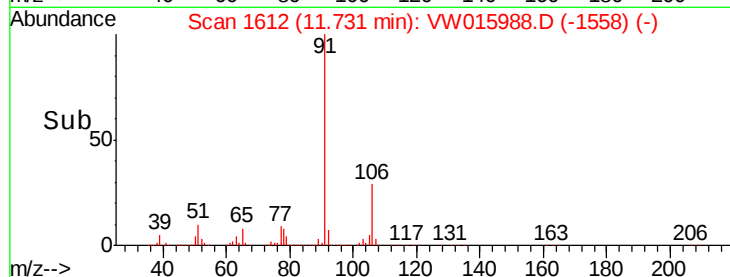
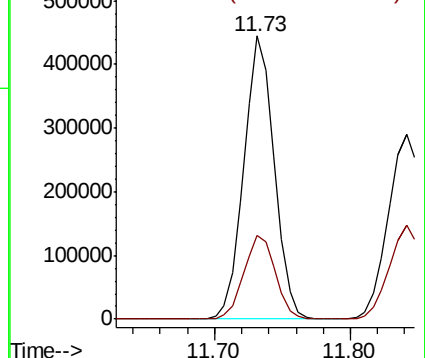
91 100

106 29.4 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.036 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015988.D

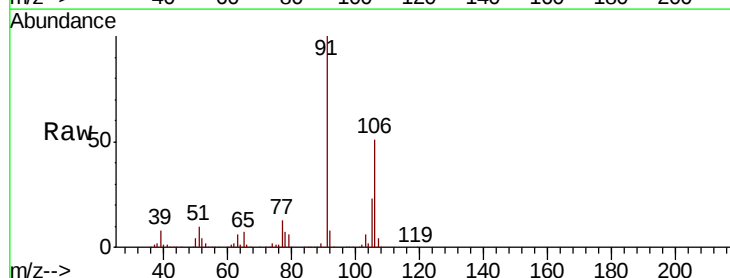
Acq: 29 Jul 2020 11:14

Tgt Ion: 106 Resp: 265209

Ion Ratio Lower Upper

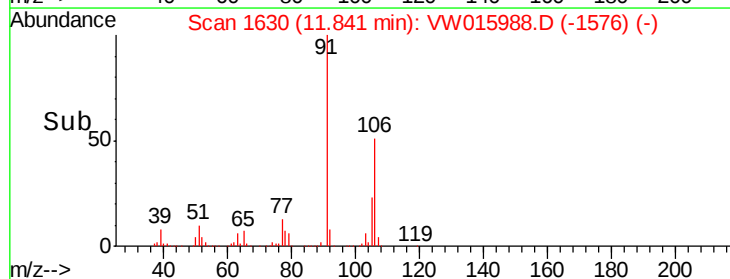
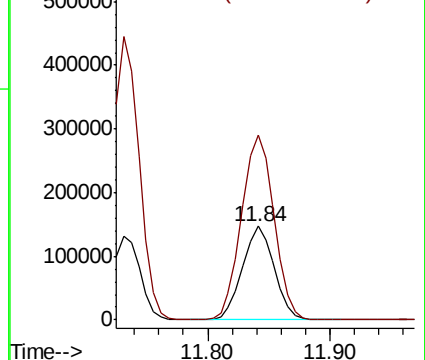
106 100

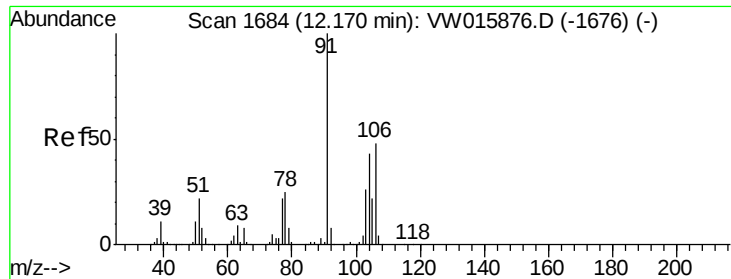
91 197.8 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

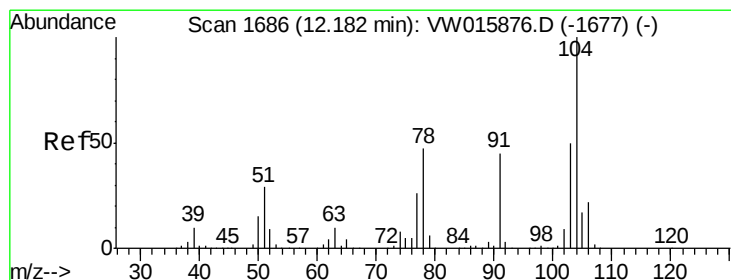
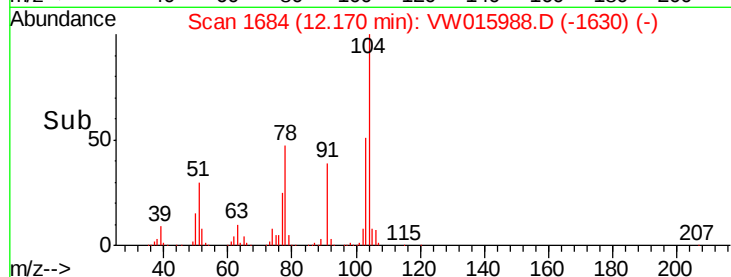
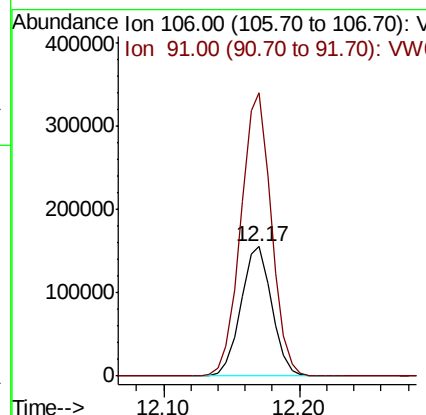
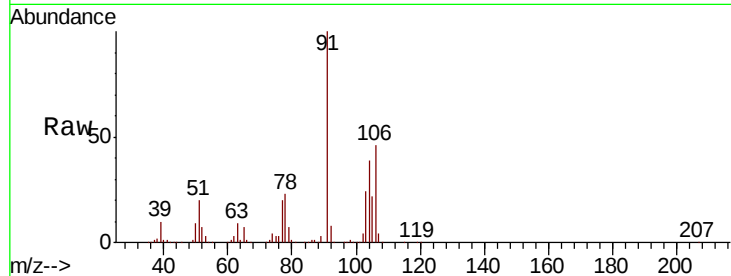




#55
o-xylene
Concen: 24.708 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

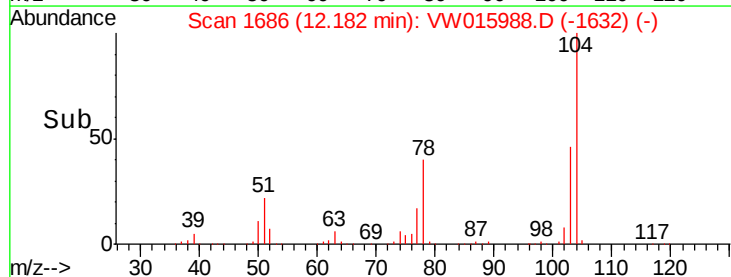
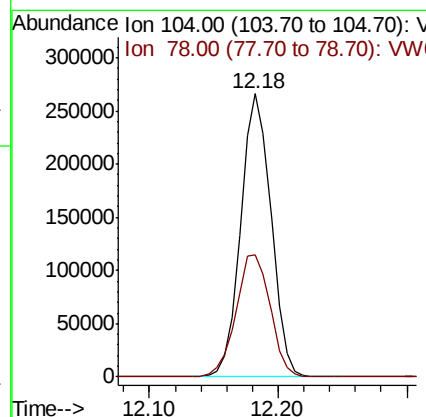
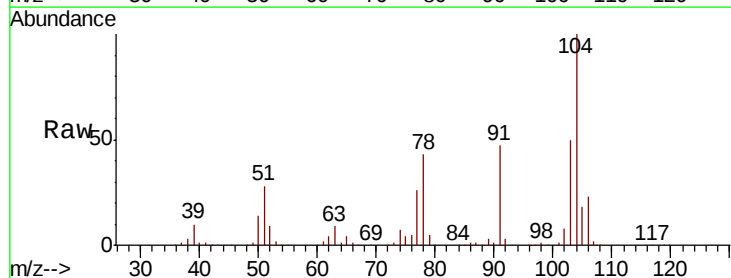
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

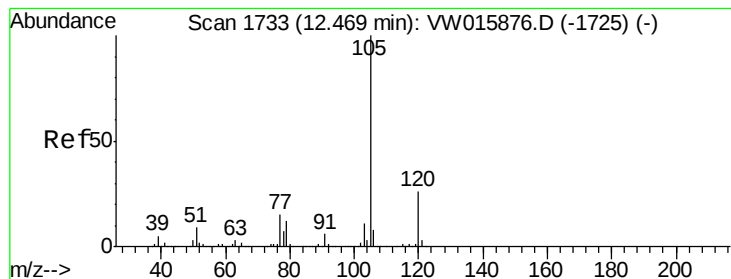
Tot Ion:106 Resp: 246459
Ion Ratio Lower Upper
106 100
91 218.2 146.8 272.6



#56
Styrene
Concen: 25.539 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015988.D
Acq: 29 Jul 2020 11:14

Tgt Ion:104 Resp: 433210
Ion Ratio Lower Upper
104 100
78 43.3 32.0 59.4





#57

Isopropylbenzene

Concen: 25.165 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

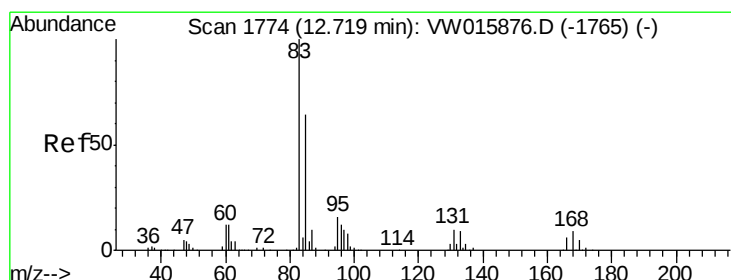
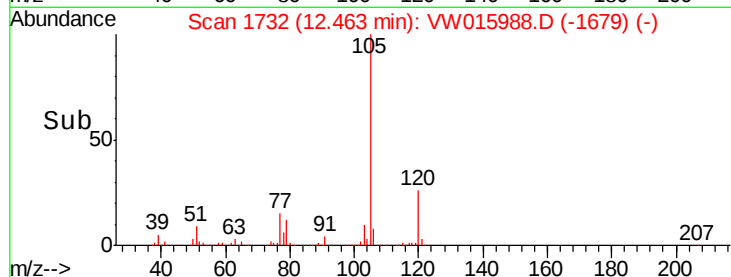
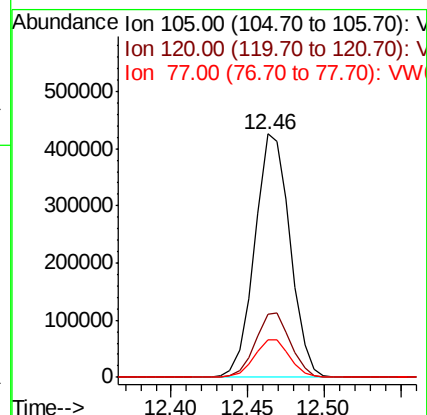
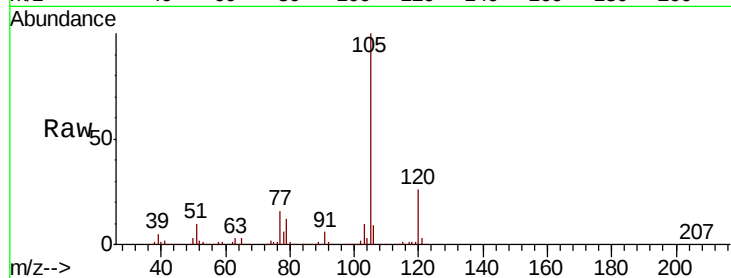
Instrument :

MSVOA_W

ClientSampled :

VSTD02517

Tot Ion:	105	Resp:	683297
Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.4	30.6
77	15.5	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 25.696 ug/L

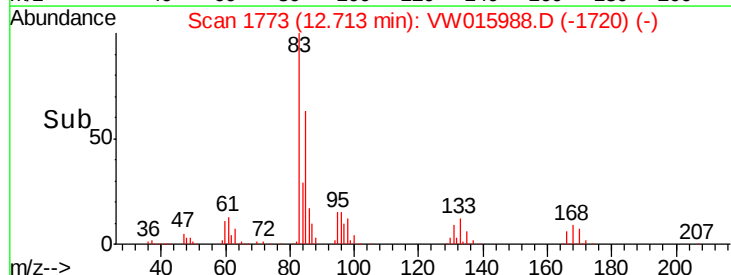
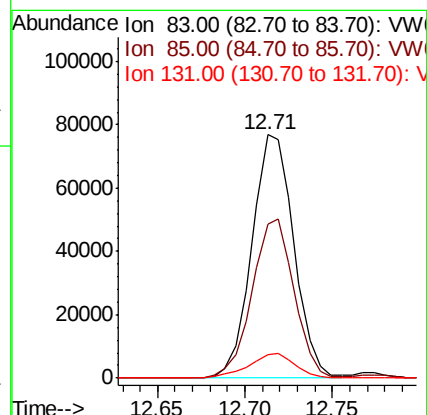
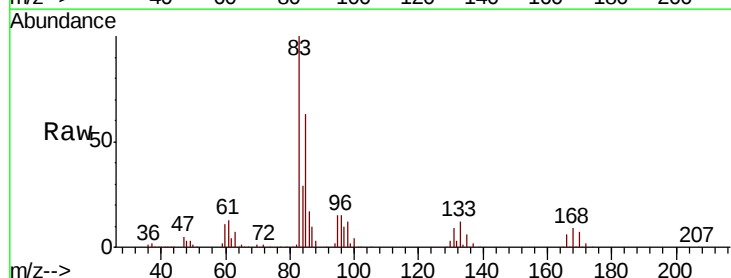
RT: 12.71 min Scan# 1773

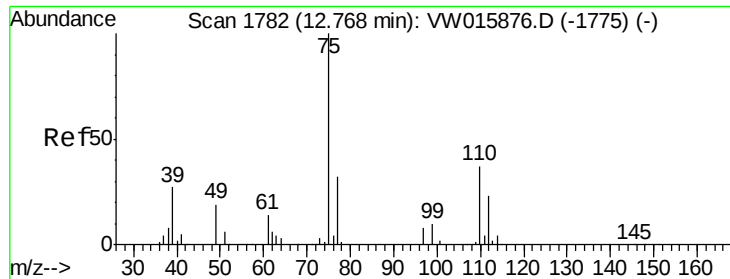
Delta R.T. -0.01 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Tgt Ion:	83	Resp:	129044
Ion	Ratio	Lower	Upper
83	100		
85	63.2	45.1	83.7
131	9.4	8.2	12.4





#59

1,2,3-Trichloropropane

Concen: 25.372 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

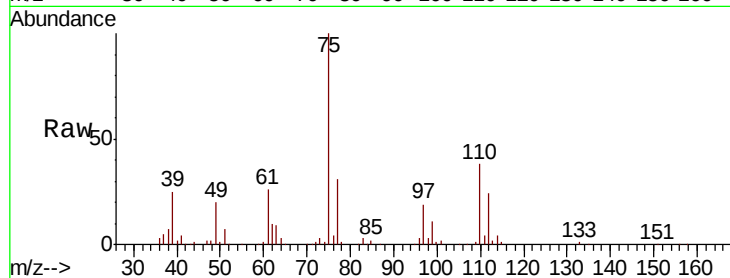
VSTD02517

Tot Ion: 75 Resp: 95468

Ion Ratio Lower Upper

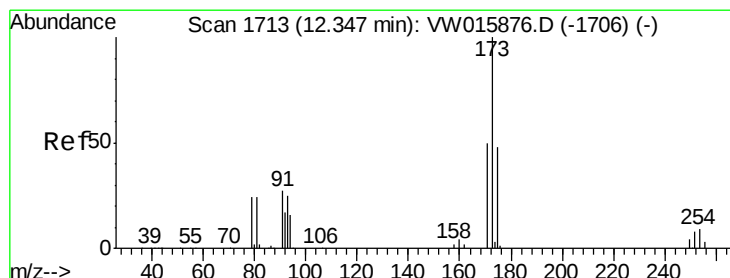
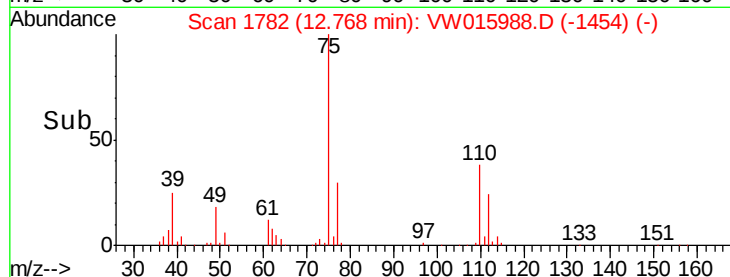
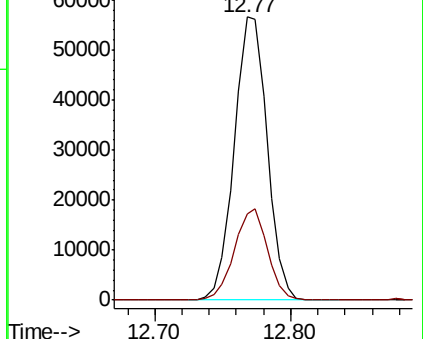
75 100

77 32.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 25.296 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

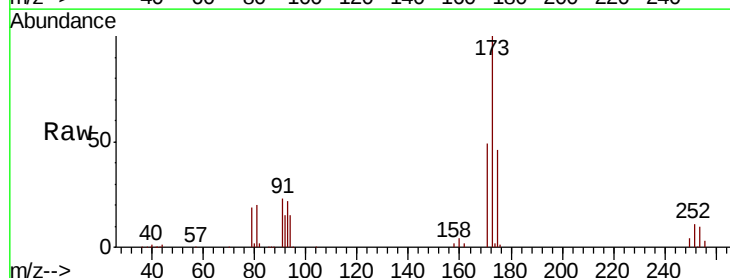
Tgt Ion: 173 Resp: 68575

Ion Ratio Lower Upper

173 100

175 46.2 38.7 58.1

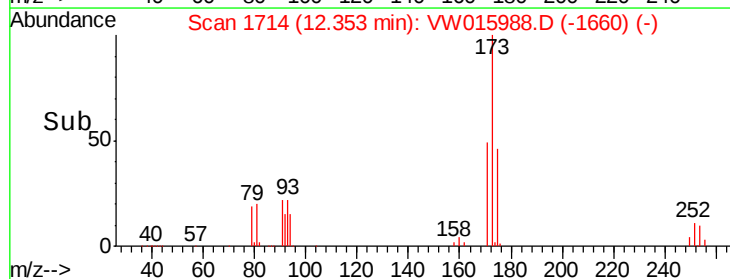
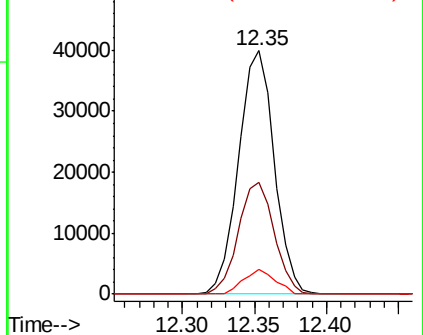
254 9.0 7.9 11.9

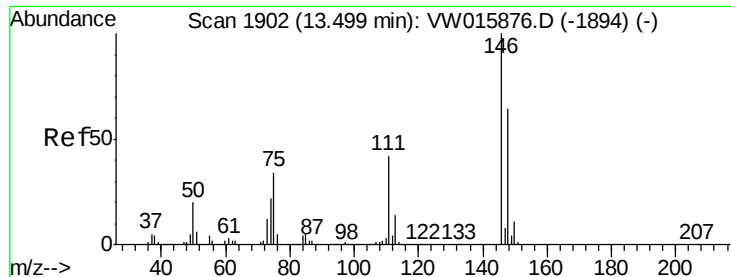


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

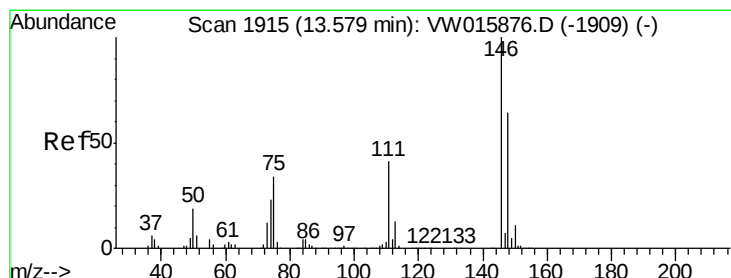
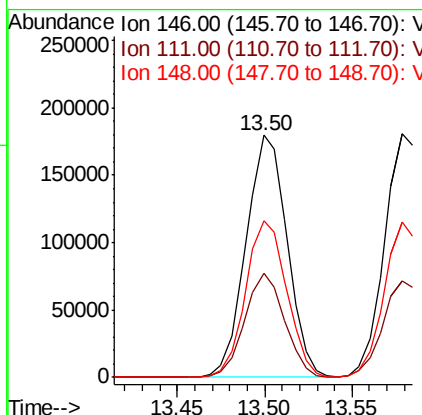
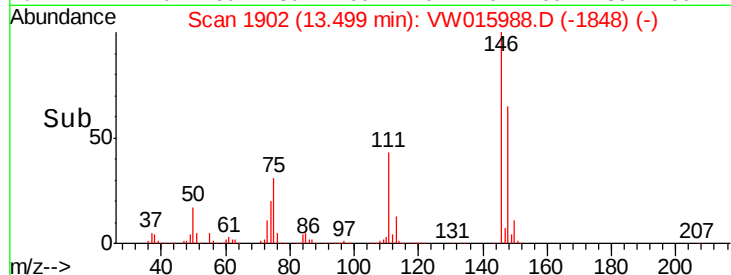
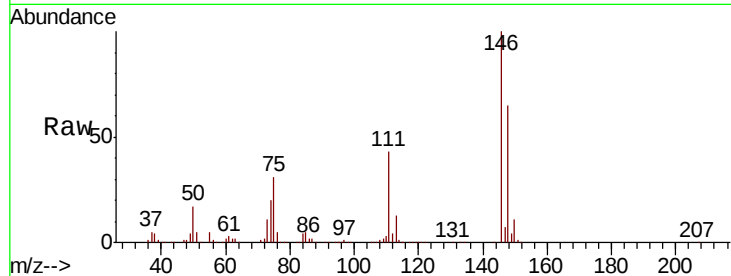




#63
 1,3-Dichlorobenzene
 Concen: 24.891 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

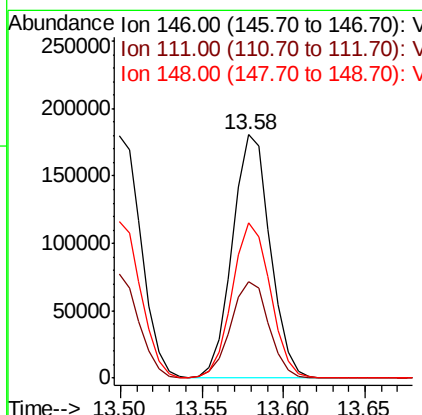
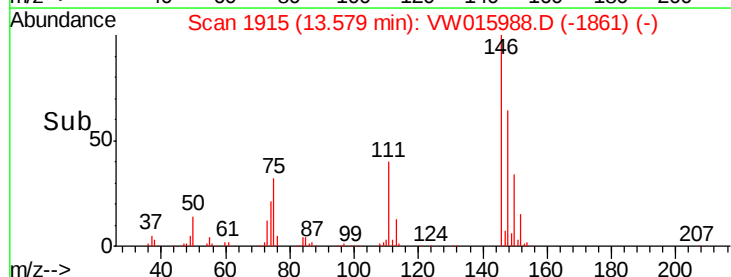
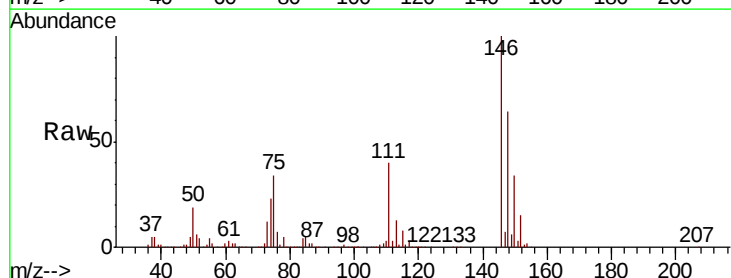
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

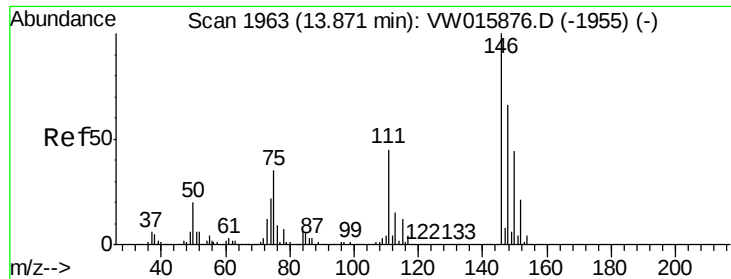
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	27.9	51.7
148	64.8	43.2	80.2



#64
 1,4-Dichlorobenzene
 Concen: 24.357 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	29.3	54.3
148	63.5	44.5	82.7

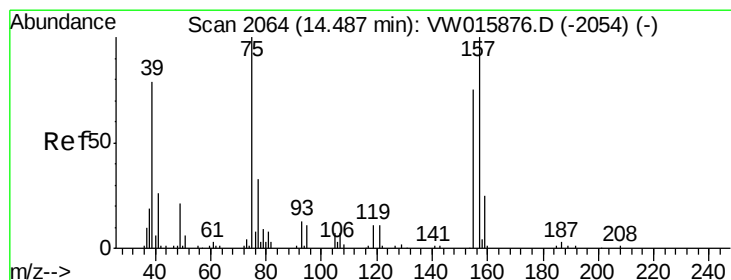
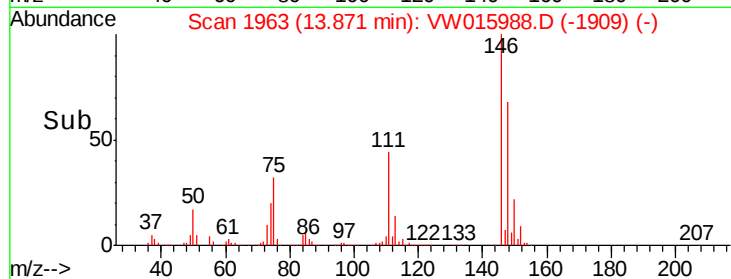
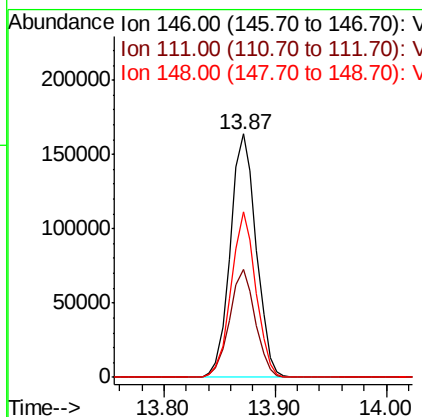
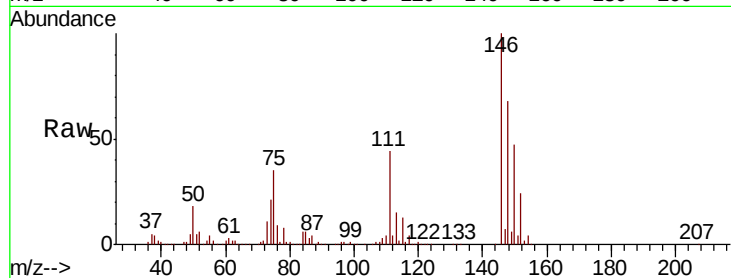




#65
 1,2-Dichlorobenzene
 Concen: 24.499 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

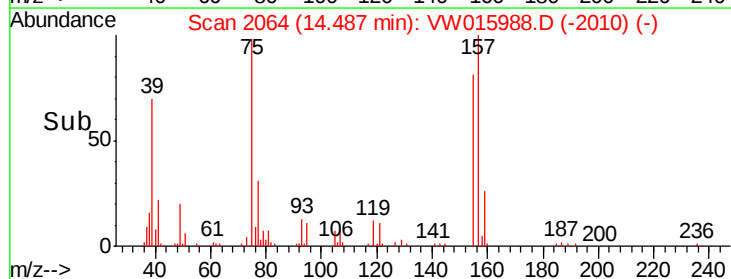
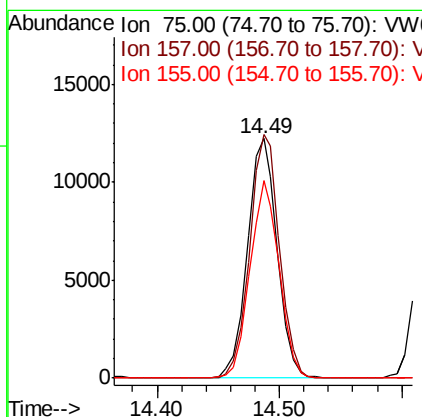
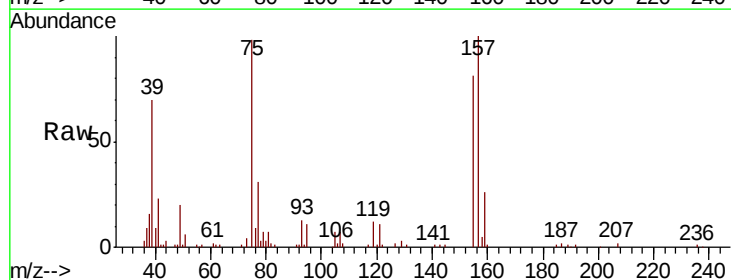
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

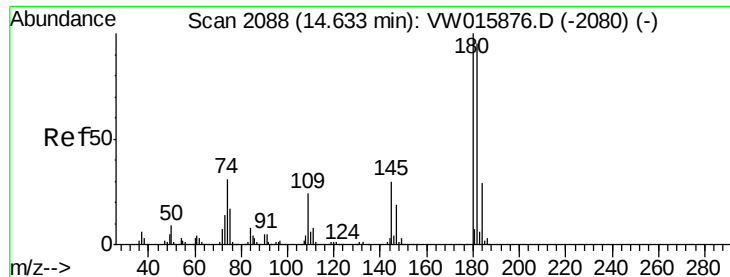
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	32.9	49.3
148	68.1	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.508 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
157	101.6	83.0	124.4
155	82.4	66.9	100.3

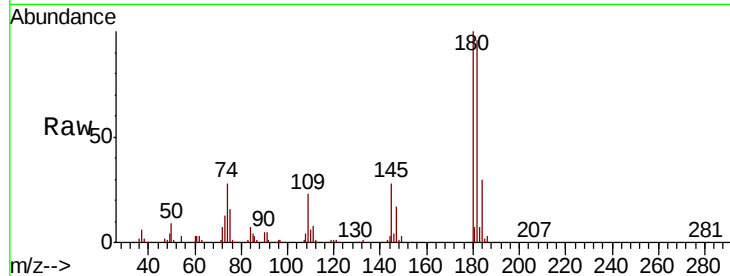




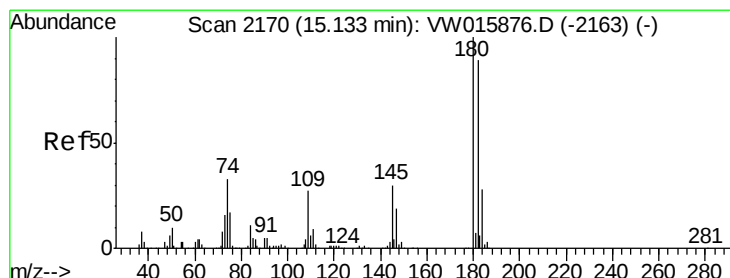
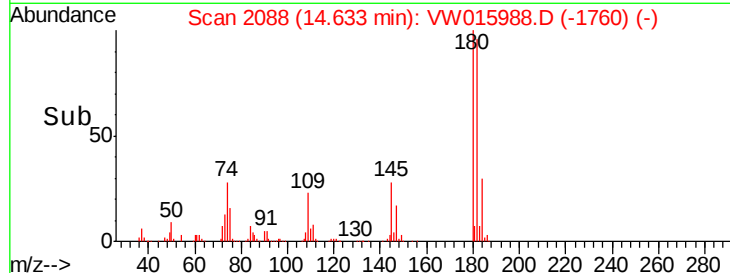
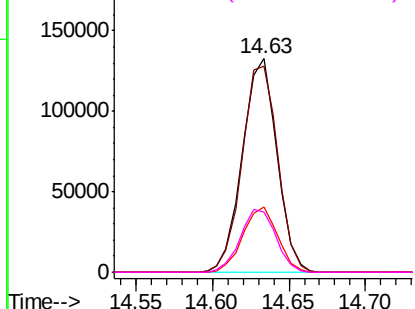
#67
 1,3,5-Trichlorobenzene
 Concen: 25.175 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tot Ion:180	Resp:	208779
Ion	Ratio	Lower Upper
180	100	
182	99.5	75.4 113.0
184	30.7	24.6 37.0
145	30.1	24.1 36.1

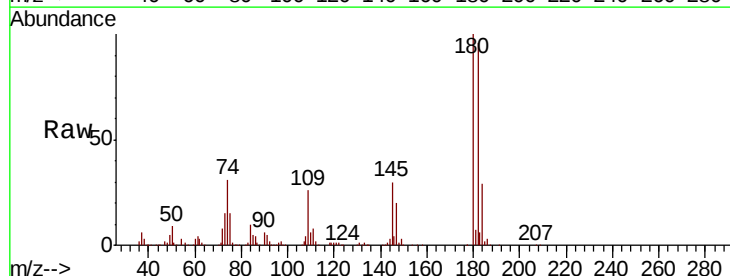


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

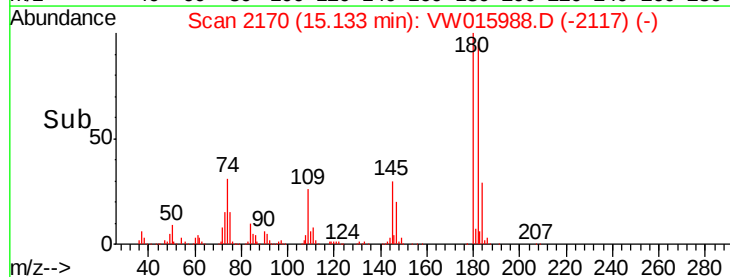
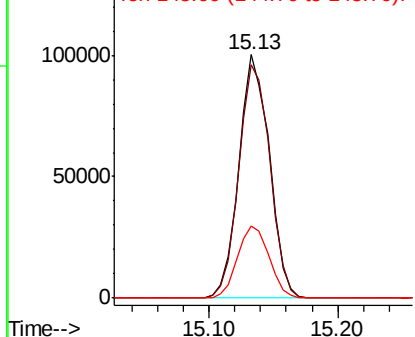


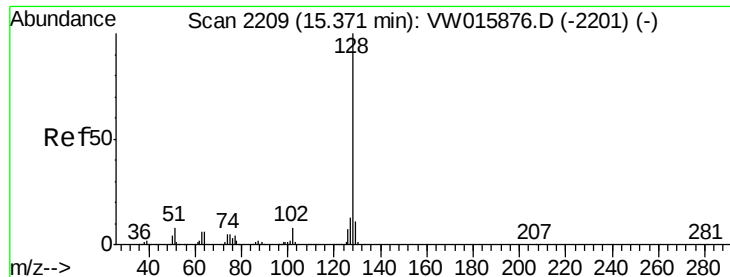
#68
 1,2,4-trichlorobenzene
 Concen: 24.891 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015988.D
 Acq: 29 Jul 2020 11:14

Tgt Ion:180	Resp:	163956
Ion	Ratio	Lower Upper
180	100	
182	97.9	76.0 114.0
145	30.6	24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.374 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

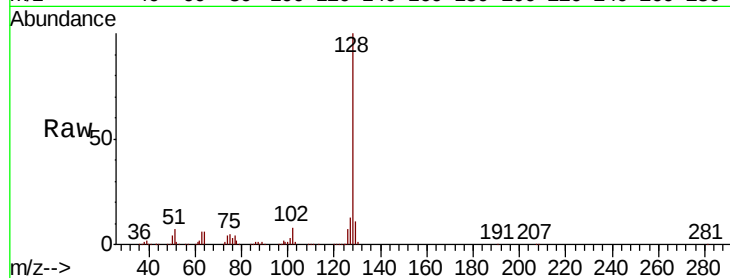
Tot Ion:128 Resp: 327296

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

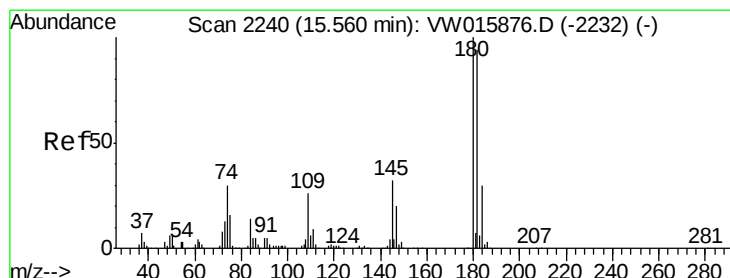
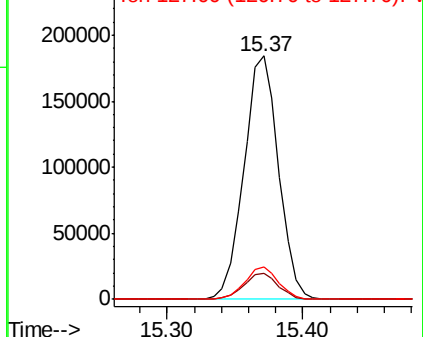
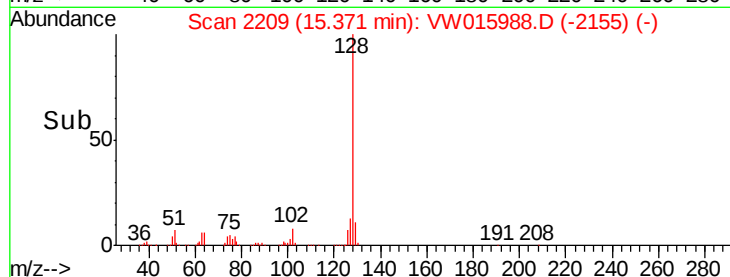
127 12.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.250 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015988.D

Acq: 29 Jul 2020 11:14

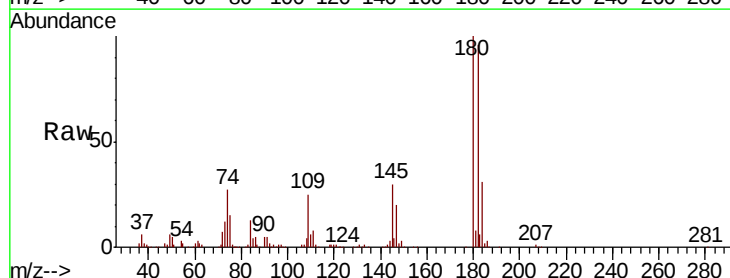
Tgt Ion:180 Resp: 148195

Ion Ratio Lower Upper

180 100

182 95.8 74.0 111.0

145 32.7 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

