

Data File : VW015565.D
Acq On : 09 Jun 2020 11:10
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Jun 10 03:29:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 09 12:46:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	359965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323687	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158032	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	79463	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.36%
7) Chloroethane-d5	2.90	69	84755	25.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.32%
10) 1,1-Dichloroethene-d2	4.01	63	191922	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.08	46	54530	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
24) Chloroform-d	7.65	84	199064	23.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	8.31	65	111444	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	8.27	84	376743	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
33) 1,2-Dichloropropane-d6	9.27	67	115365	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	10.32	98	358639	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.96%
38) trans-1,3-Dichloropropene-	10.58	79	49471	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.68%
39) 2-Hexanone-d5	10.93	63	43930	52.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93233	25.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	124599	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	77769	24.455	ug/L 100
3) Chloromethane	2.21	50	78126	22.317	ug/L 98
5) Vinyl chloride	2.37	62	127497	24.218	ug/L 100
6) Bromomethane	2.79	94	80182	23.433	ug/L 98
8) Chloroethane	2.93	64	78405	24.466	ug/L 99
9) Trichlorofluoromethane	3.26	101	98950	26.411	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	107755	24.250	ug/L 100
12) 1,1-Dichloroethene	4.04	96	101932	23.748	ug/L 91
13) Acetone	4.12	43	51493	61.847	ug/L 99
14) Carbon disulfide	4.38	76	321344	22.442	ug/L 100
15) Methyl Acetate	4.67	43	46906	26.040	ug/L 99
16) Methylene chloride	4.92	84	108223	24.497	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	163628	24.023	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	110933	24.117	ug/L 98
19) 1,1-Dichloroethane	6.21	63	200429	24.225	ug/L 99
21) 2-Butanone	7.17	43	66243	51.793	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	115104	23.987	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50667	24.486	ug/L	96
25) Chloroform	7.68	83	206000	24.727	ug/L	99
27) 1,2-Dichloroethane	8.40	62	142153	25.223	ug/L	98
30) Cyclohexane	7.96	56	188242	23.527	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	182324	25.178	ug/L	99
32) Carbon tetrachloride	8.07	117	161098	24.256	ug/L	98
34) Benzene	8.32	78	447516	24.722	ug/L	100
35) Trichloroethene	9.09	95	118164	24.302	ug/L	99
36) Methylcyclohexane	9.34	83	208279	24.017	ug/L	99
40) 1,2-Dichloropropane	9.37	63	110261	24.735	ug/L	100
41) Bromodichloromethane	9.65	83	147125	24.705	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	173996	24.392	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	133160	50.960	ug/L	99
44) Toluene	10.39	91	486502	24.669	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	153862	24.785	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	80049	25.668	ug/L	99
47) Tetrachloroethene	10.87	164	94601	24.544	ug/L	96
49) 2-Hexanone	10.97	43	94918	53.816	ug/L	98
50) Dibromochloromethane	11.13	129	94143	24.847	ug/L	94
51) 1,2-Dibromoethane	11.24	107	75491	25.214	ug/L	98
52) Chlorobenzene	11.66	112	305647	24.708	ug/L	99
53) Ethylbenzene	11.73	91	560472	24.750	ug/L	100
54) m,p-Xylene	11.84	106	210608	24.785	ug/L	99
55) o-xylene	12.17	106	197593	24.497	ug/L	97
56) Styrene	12.18	104	343004	24.888	ug/L	99
57) Isopropylbenzene	12.46	105	555706	24.733	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	95068	26.331	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	71379	26.073	ug/L	100
62) Bromoform	12.35	173	53628	24.355	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	238246	24.637	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	236587	24.969	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	208608	24.824	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16181	25.382	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	171067	25.552	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	138370	25.661	ug/L	99
69) Naphthalene	15.37	128	255698	26.116	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	114691	25.001	ug/L	97

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

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VSTD02525

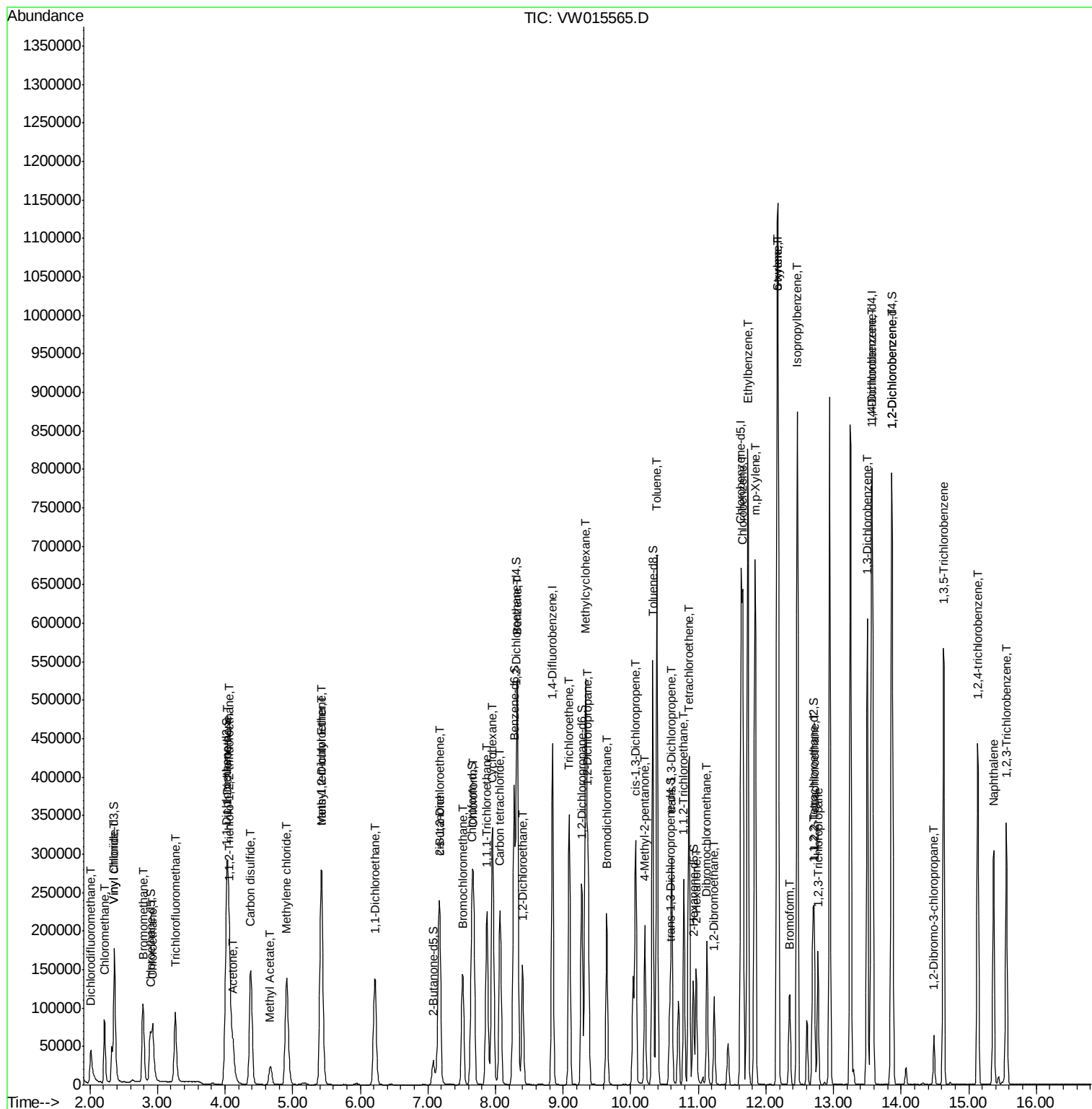
Quant Time: Jun 10 03:29:11 2020

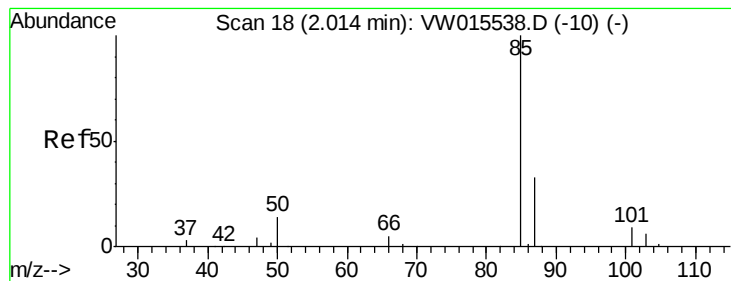
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM052620S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 24.455 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampled :

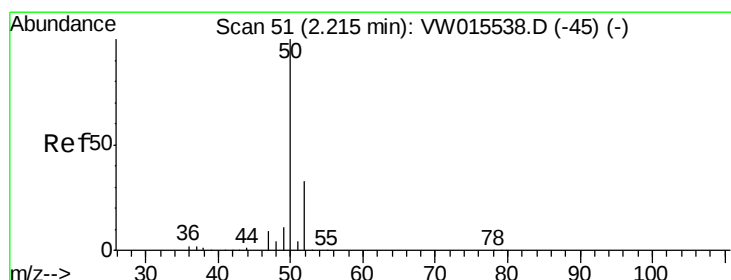
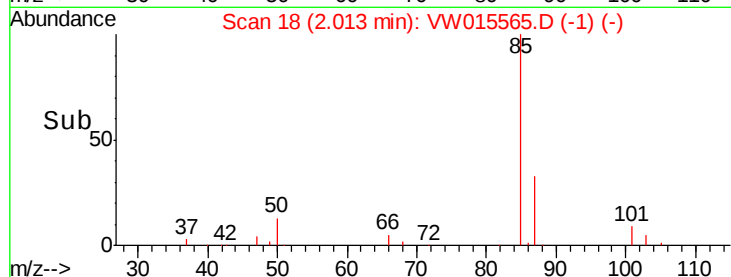
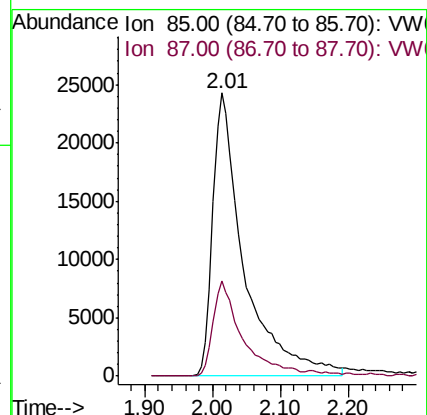
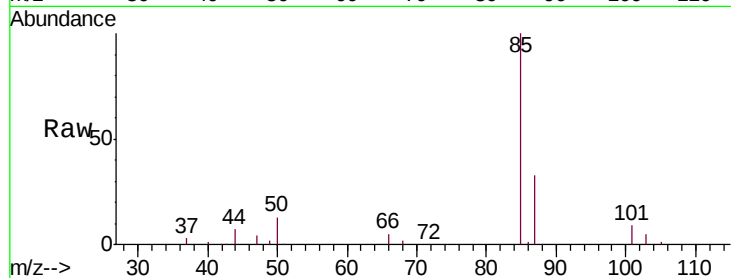
VSTD02525

Tgt Ion: 85 Resp: 77769

Ion Ratio Lower Upper

85 100

87 30.0 21.1 39.1



#3

Chloromethane

Concen: 22.317 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015565.D

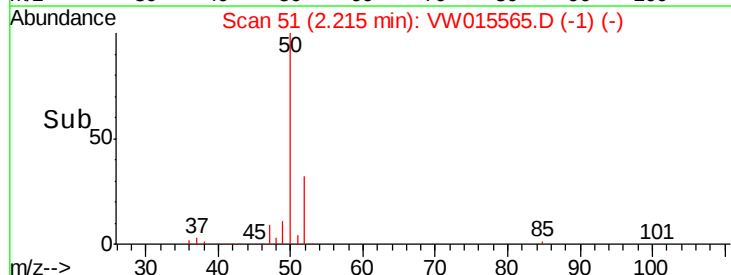
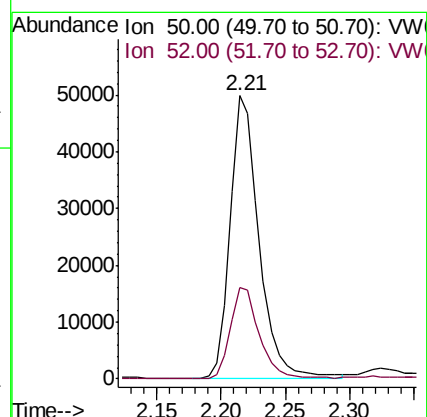
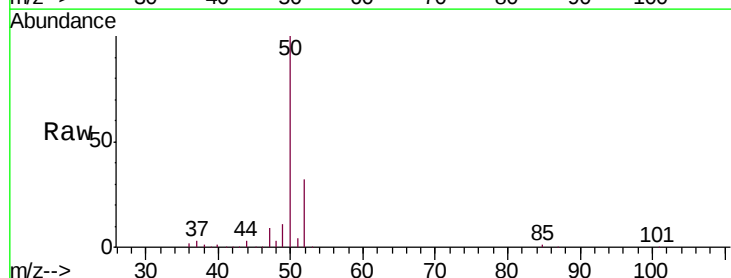
Acq: 09 Jun 2020 11:10

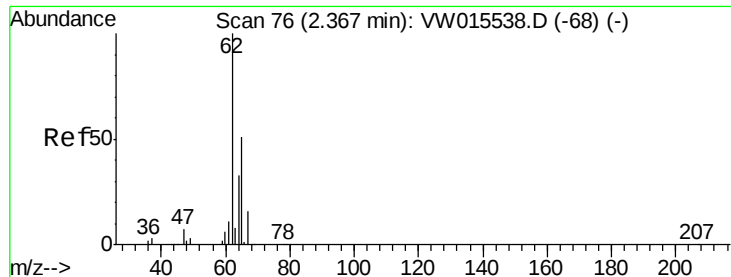
Tgt Ion: 50 Resp: 78126

Ion Ratio Lower Upper

50 100

52 32.1 23.3 43.3





#5

Vinyl chloride

Concen: 24.218 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

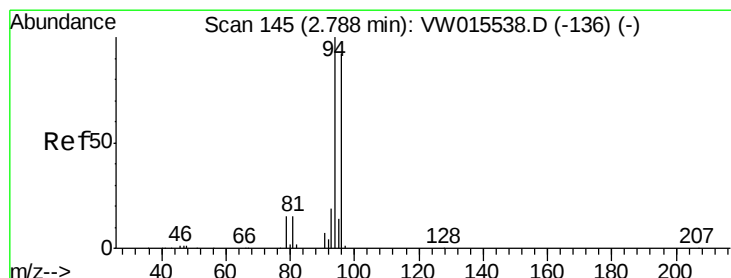
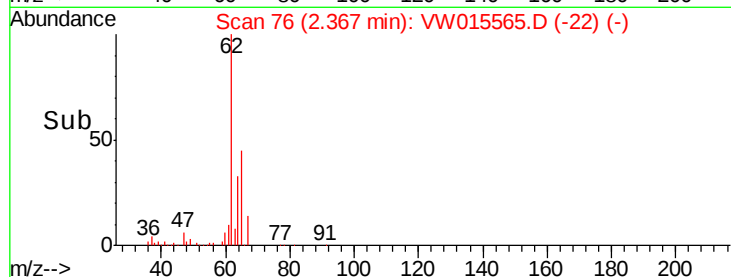
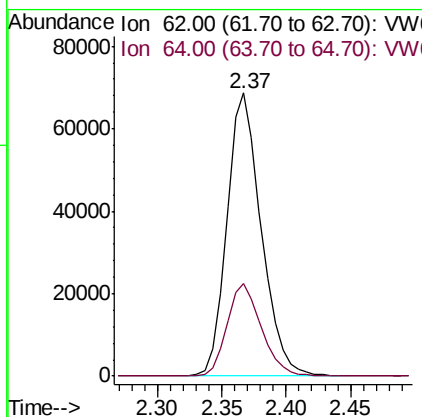
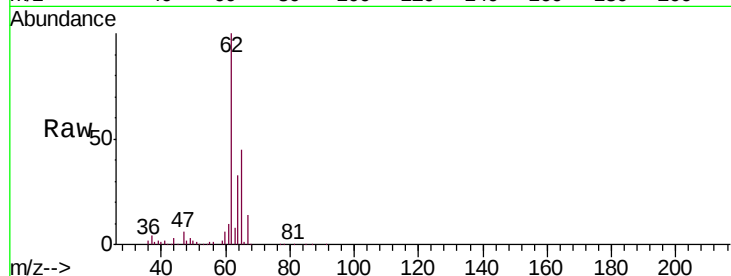
VSTD02525

Tgt Ion: 62 Resp: 127497

Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



#6

Bromomethane

Concen: 23.433 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015565.D

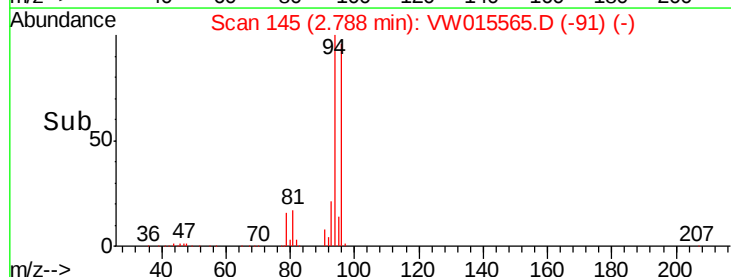
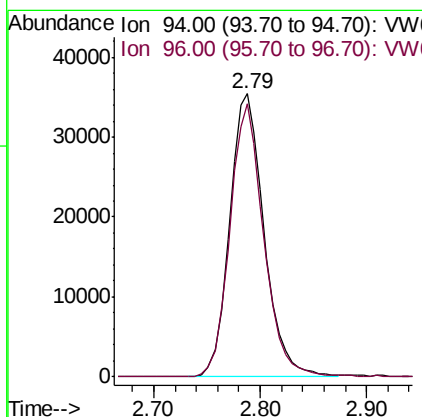
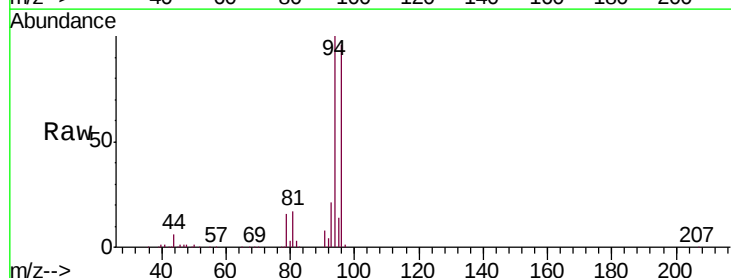
Acq: 09 Jun 2020 11:10

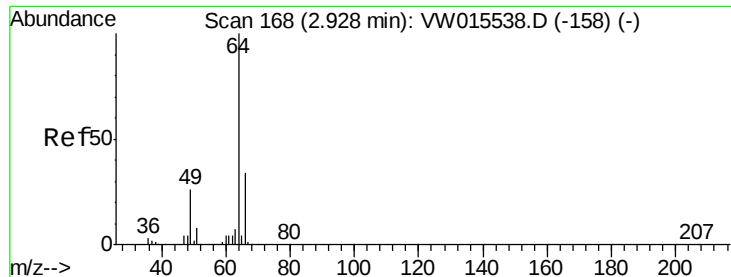
Tgt Ion: 94 Resp: 80182

Ion Ratio Lower Upper

94 100

96 95.0 9.3 177.5





#8

Chloroethane

Concen: 24.466 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

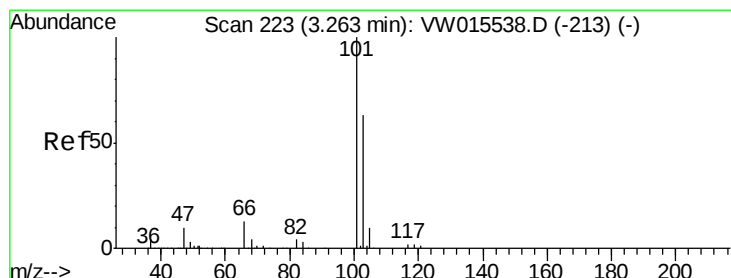
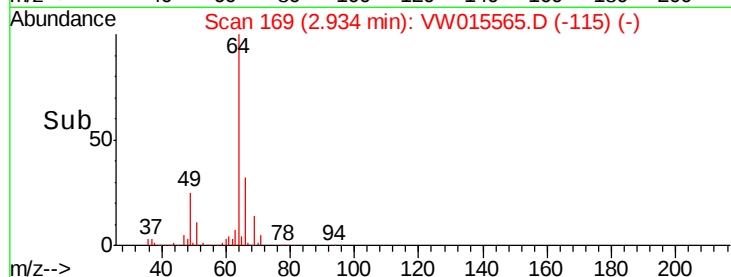
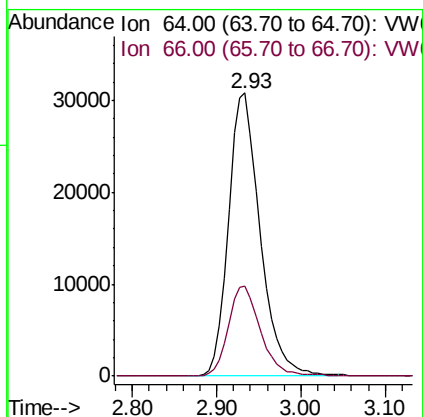
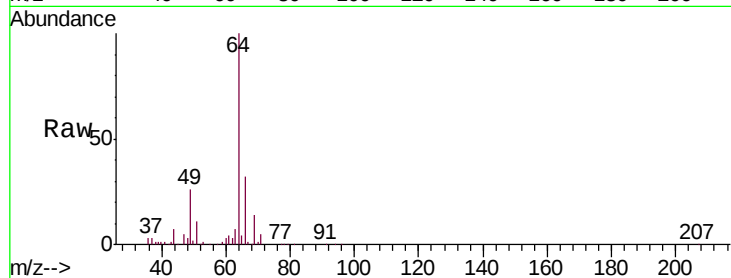
VSTD02525

Tgt Ion: 64 Resp: 78405

Ion Ratio Lower Upper

64 100

66 31.9 22.0 40.8



#9

Trichlorofluoromethane

Concen: 26.411 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015565.D

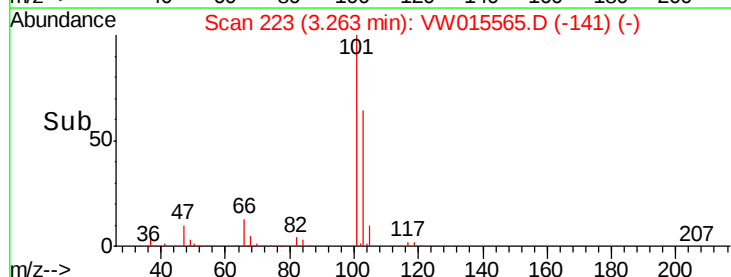
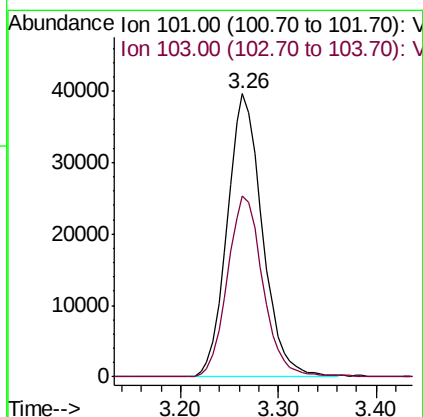
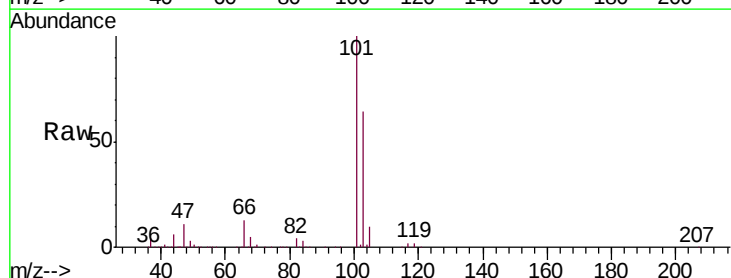
Acq: 09 Jun 2020 11:10

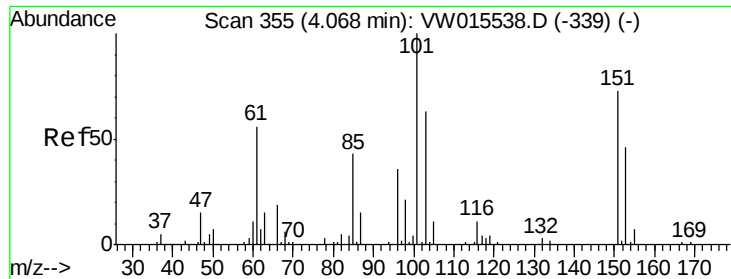
Tgt Ion: 101 Resp: 98950

Ion Ratio Lower Upper

101 100

103 64.6 46.6 86.6





#11

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

Concen: 24.250 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

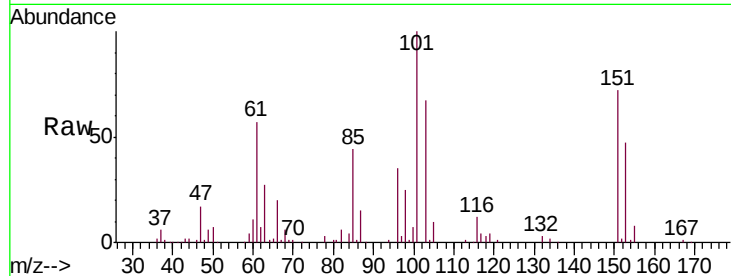
Tgt Ion: 101 Resp: 107755

Ion Ratio Lower Upper

101 100

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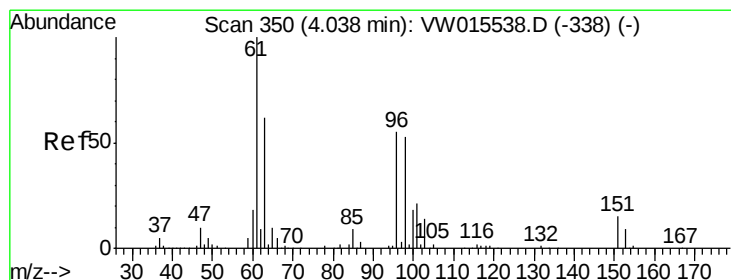
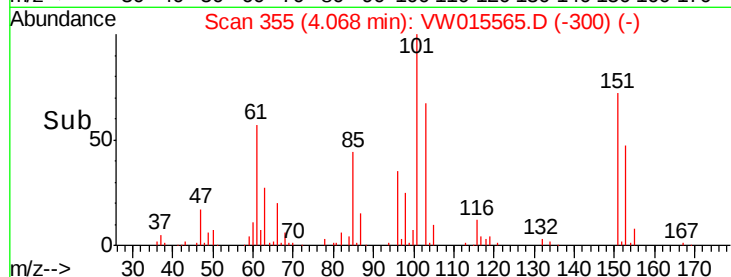
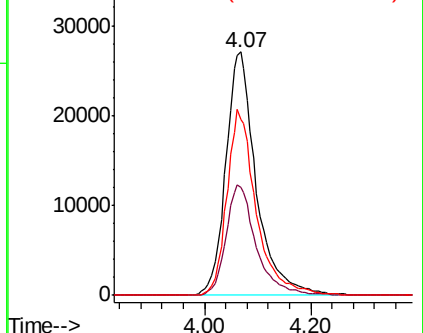
151 73.7 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.748 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

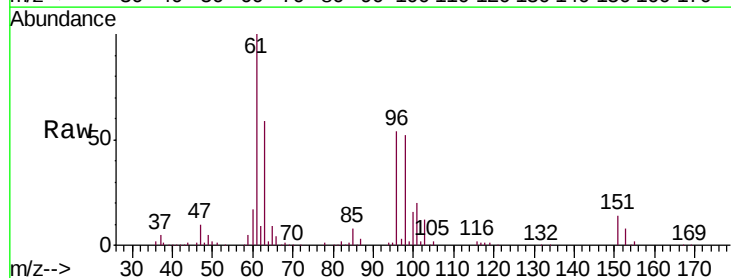
Tgt Ion: 96 Resp: 101932

Ion Ratio Lower Upper

96 100

61 185.5 127.7 237.1

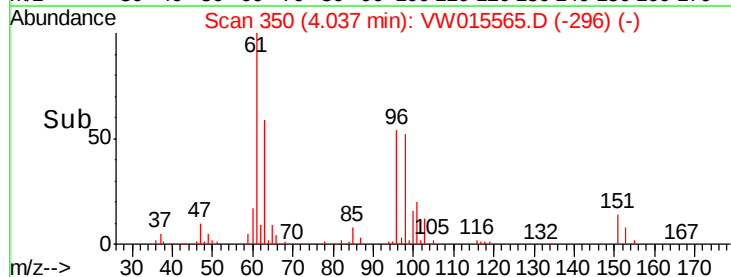
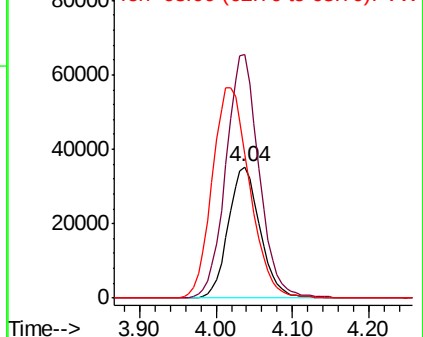
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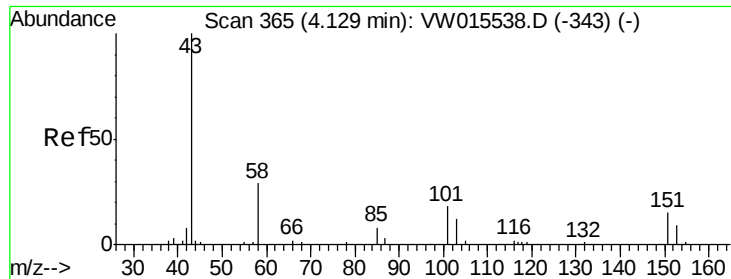


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

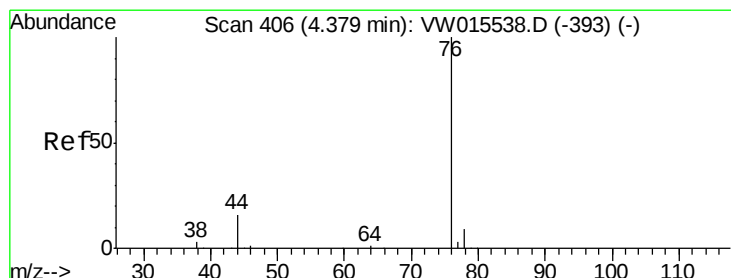
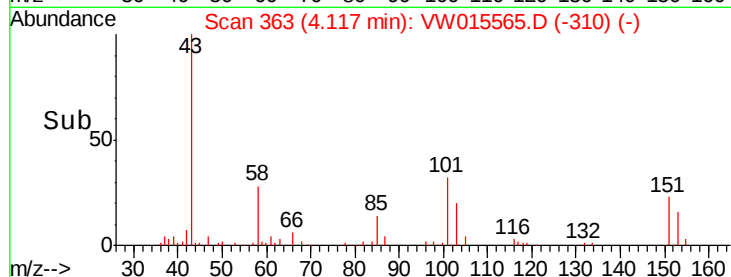
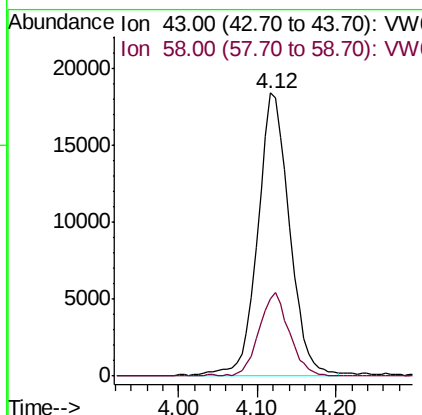
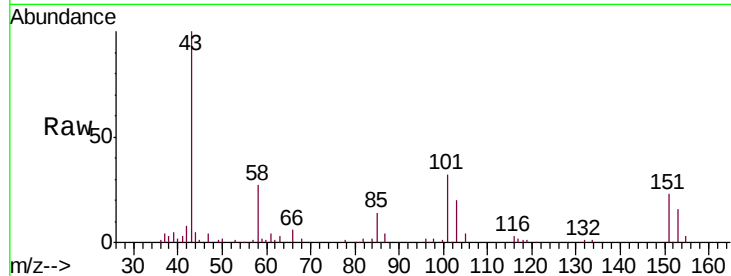




#13
Acetone
Concen: 61.847 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

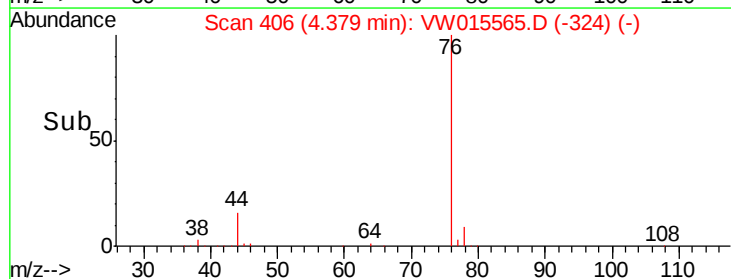
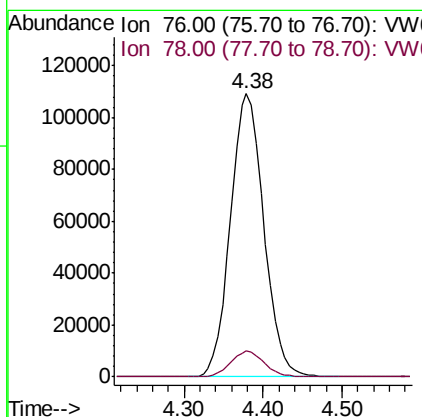
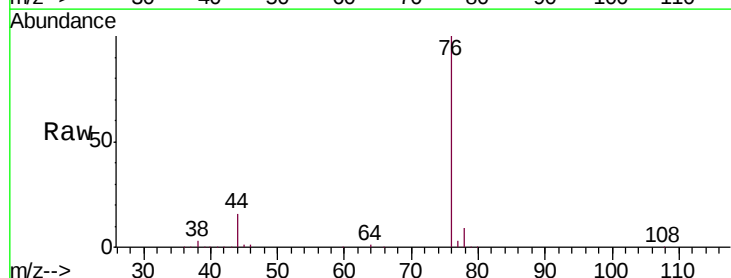
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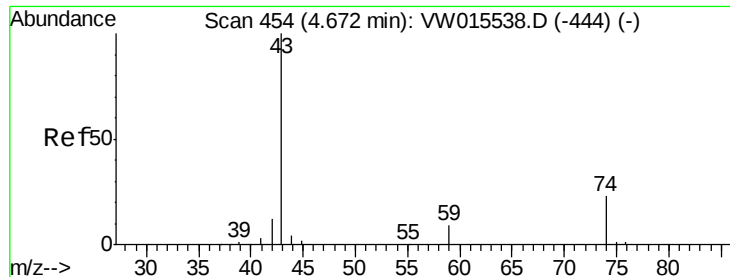
Tgt Ion: 43 Resp: 51493
Ion Ratio Lower Upper
43 100
58 28.0 0.0 56.8



#14
Carbon disulfide
Concen: 22.442 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 76 Resp: 321344
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

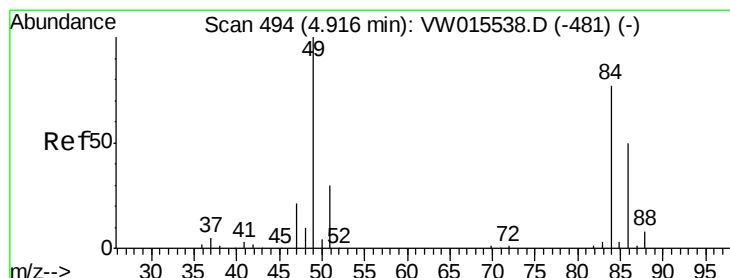
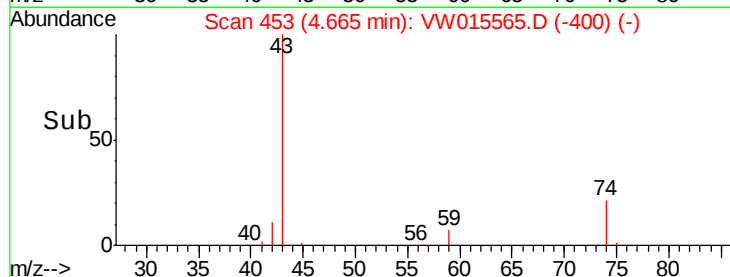
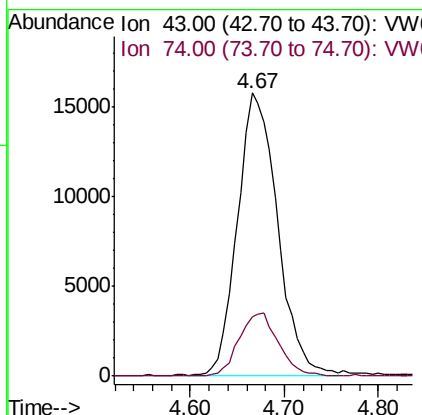
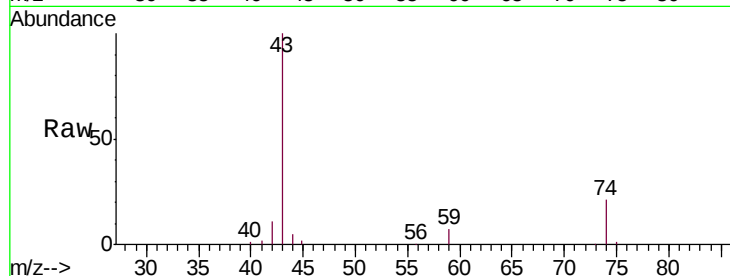




#15
Methyl Acetate
Concen: 26.040 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

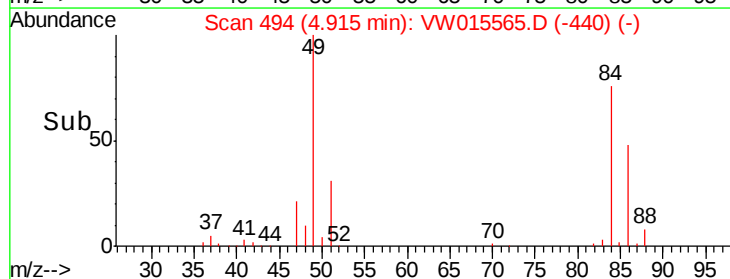
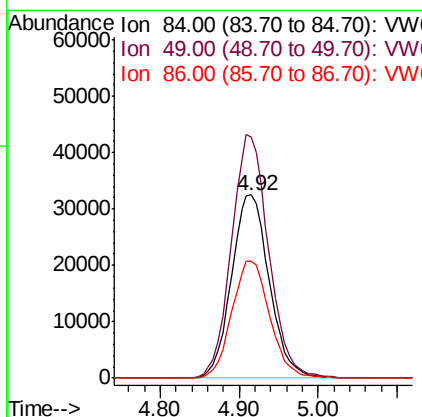
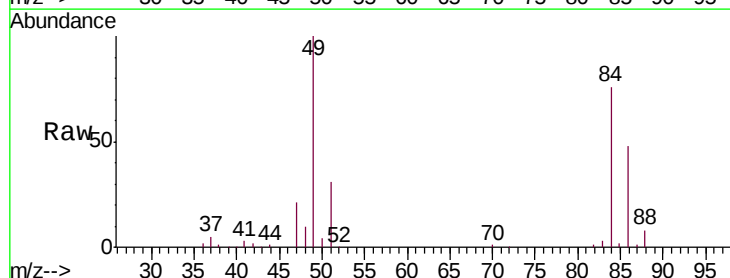
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

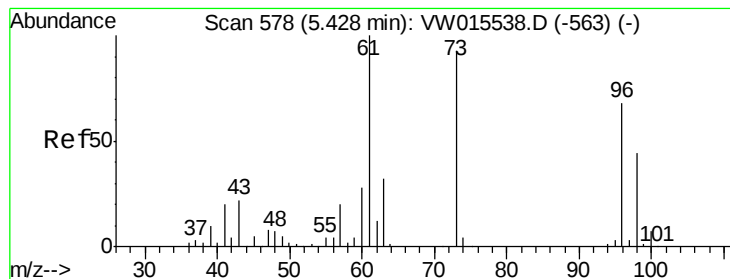
Tgt Ion: 43 Resp: 46906
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.2



#16
Methylene chloride
Concen: 24.497 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 84 Resp: 108223
Ion Ratio Lower Upper
84 100
49 131.4 93.0 172.8
86 63.5 44.7 83.1





#17

Methyl tert-butyl Ether

Concen: 24.023 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

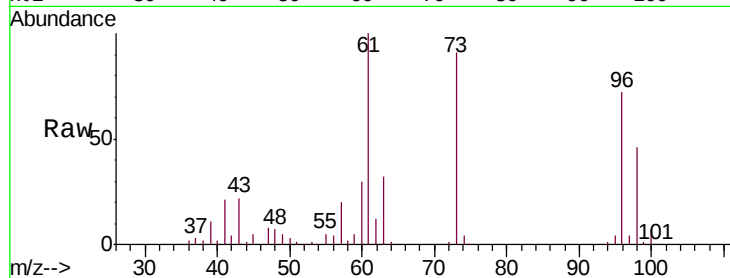
Tgt Ion: 73 Resp: 163628

Ion Ratio Lower Upper

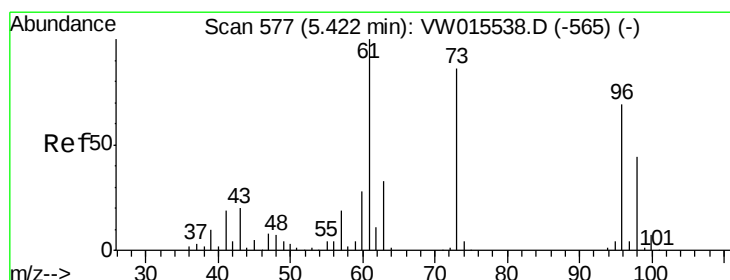
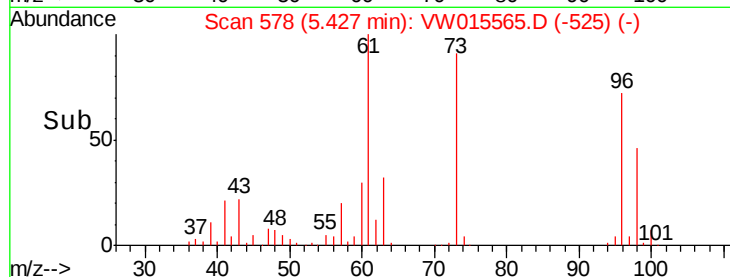
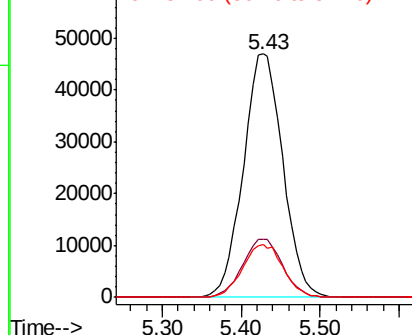
73 100

43 24.3 19.6 29.4

57 22.2 17.7 26.5



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: 24.117 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

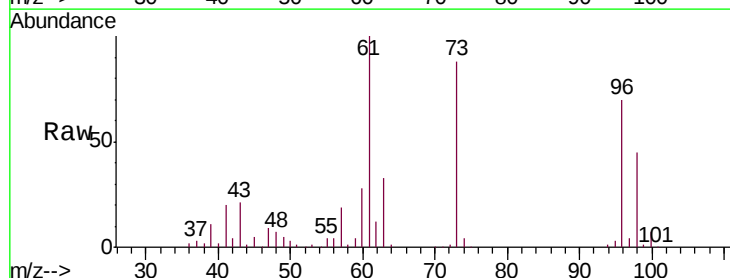
Tgt Ion: 96 Resp: 110933

Ion Ratio Lower Upper

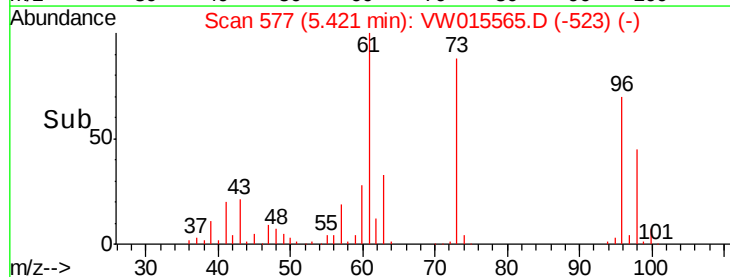
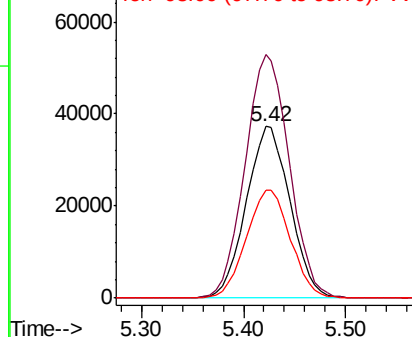
96 100

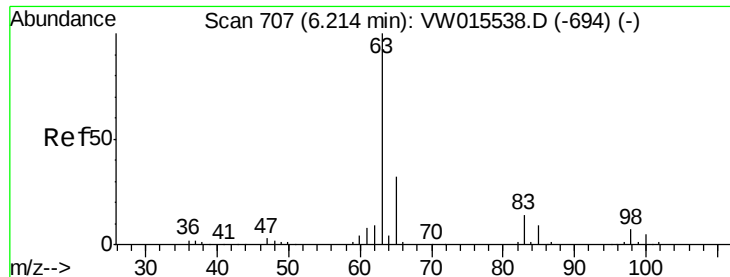
61 142.0 101.9 189.3

98 63.3 44.9 83.5



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

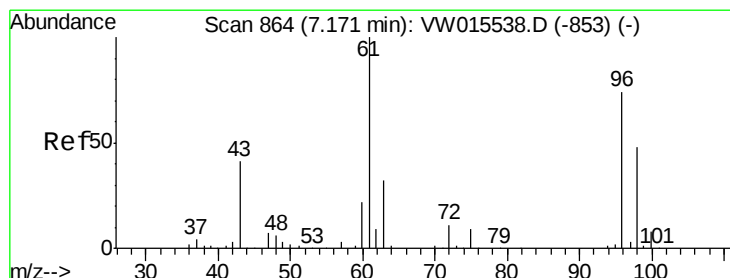
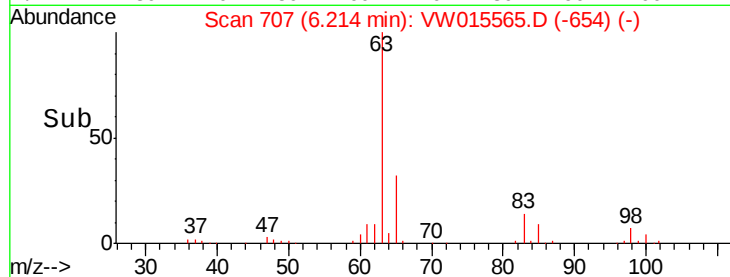
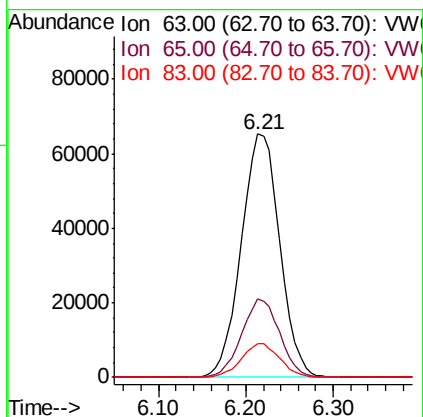
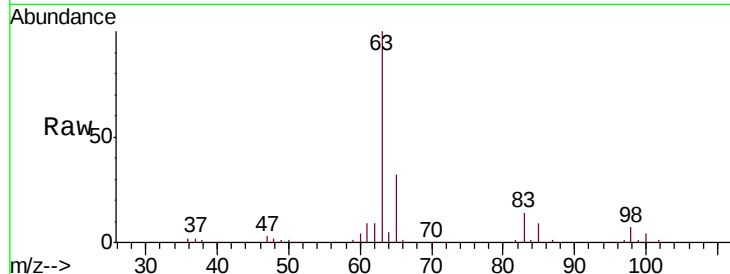




#19
 1,1-Dichloroethane
 Concen: 24.225 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

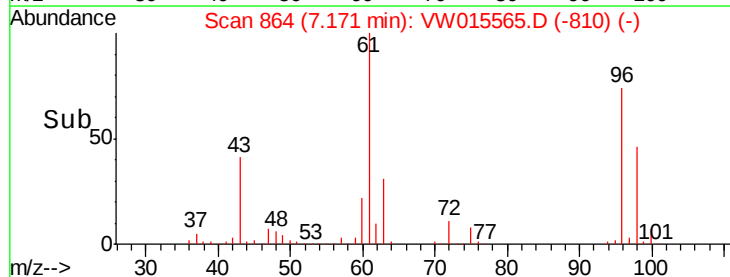
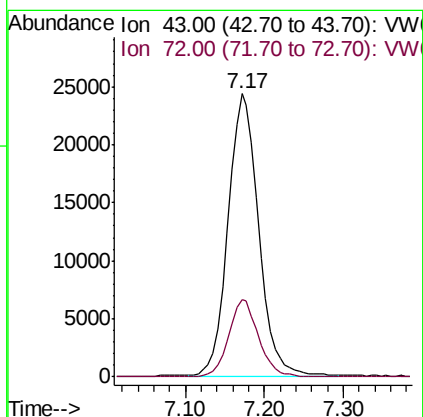
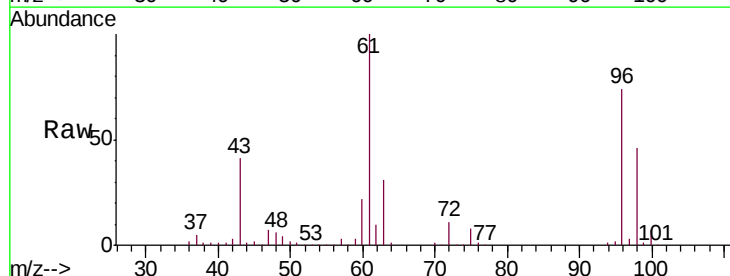
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

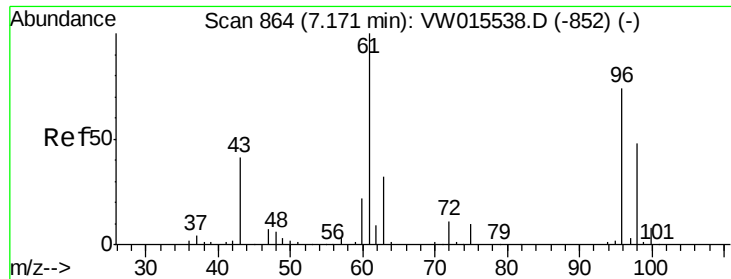
Tgt Ion: 63 Resp: 200429
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.1 41.1
 83 13.6 9.7 17.9



#21
 2-Butanone
 Concen: 51.793 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion: 43 Resp: 66243
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.3 39.9



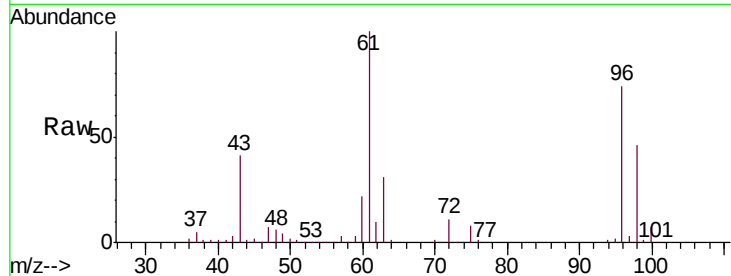


#22

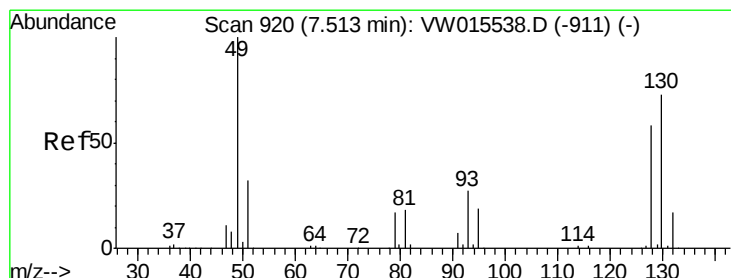
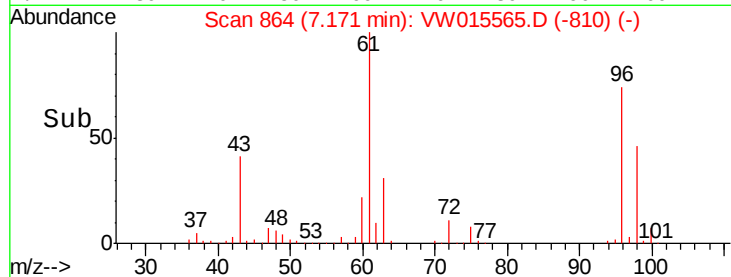
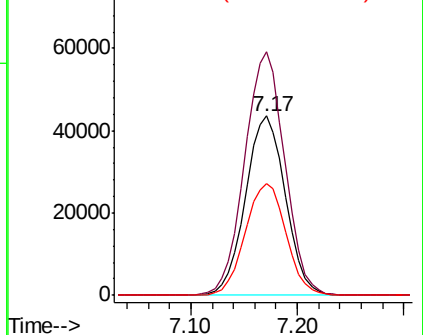
cis-1,2-Dichloroethene
 Concen: 23.987 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion: 96 Resp: 115104
 Ion Ratio Lower Upper
 96 100
 61 135.9 93.7 173.9
 98 62.1 45.1 83.9



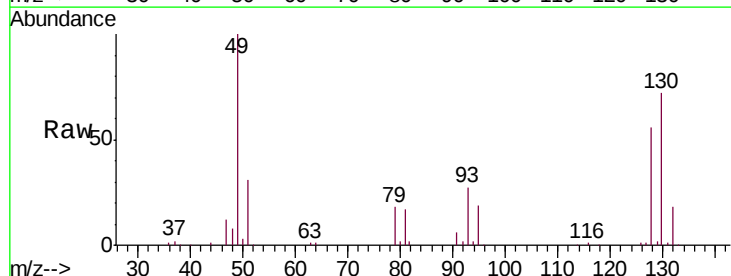
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



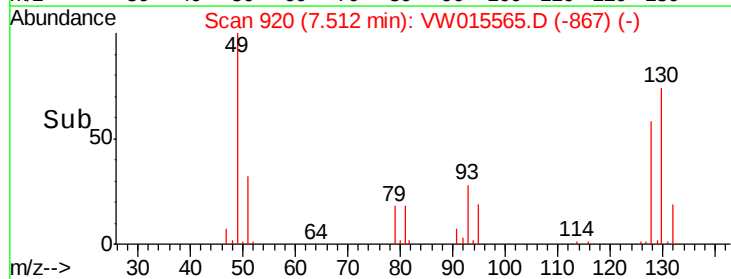
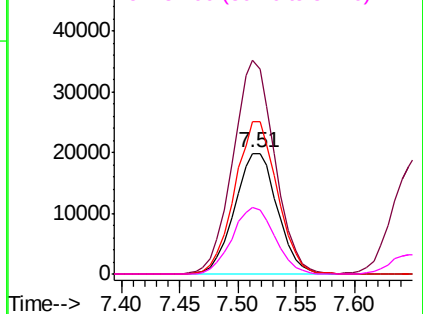
#23

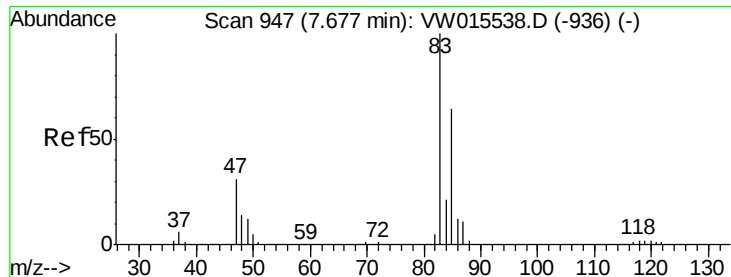
Bromochloromethane
 Concen: 24.486 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion: 128 Resp: 50667
 Ion Ratio Lower Upper
 128 100
 49 177.4 118.1 219.3
 130 126.9 88.5 164.3
 51 55.7 42.8 64.2



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

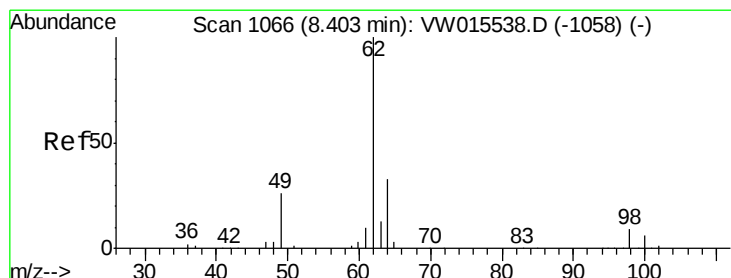
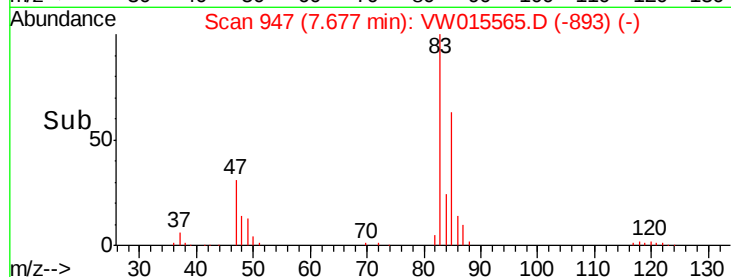
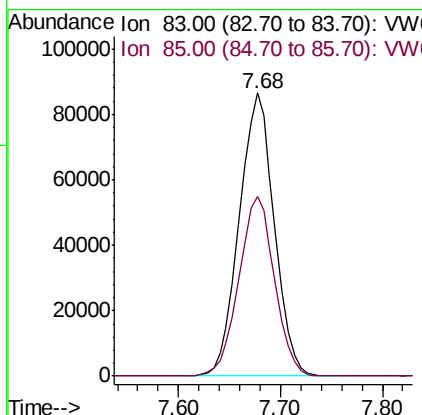
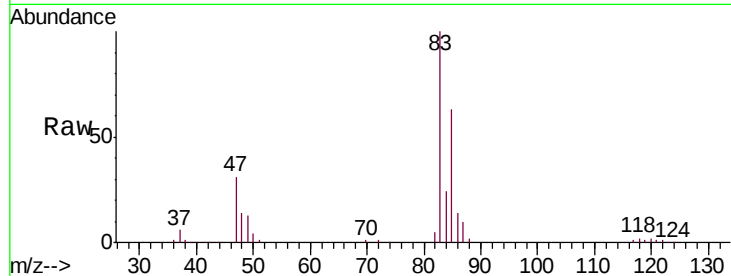




#25
Chloroform
Concen: 24.727 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

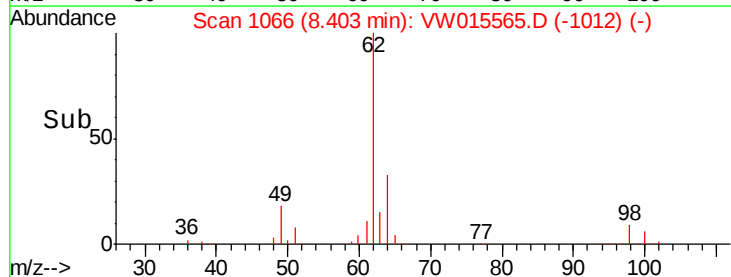
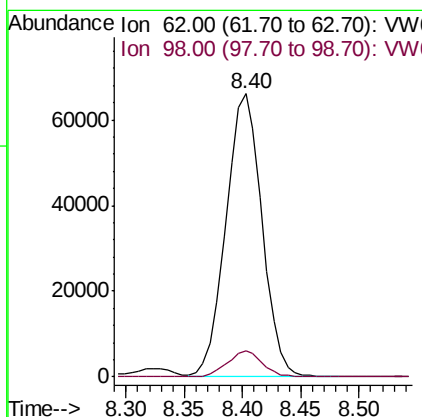
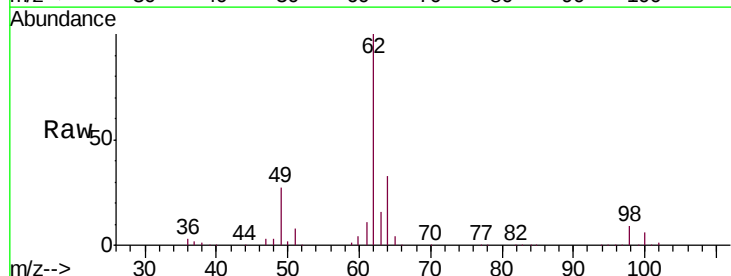
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

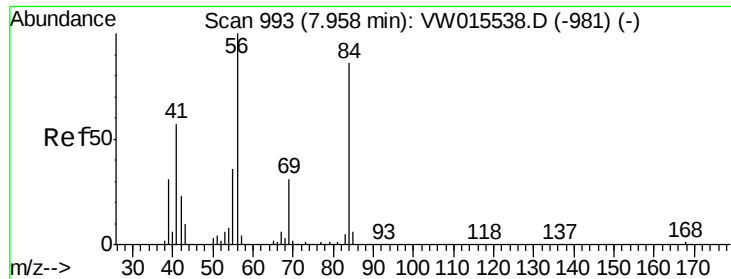
Tgt Ion: 83 Resp: 206000
Ion Ratio Lower Upper
83 100
85 64.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.223 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 62 Resp: 142153
Ion Ratio Lower Upper
62 100
98 9.4 7.0 10.4

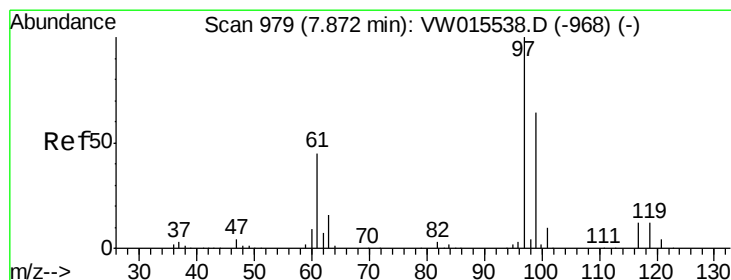
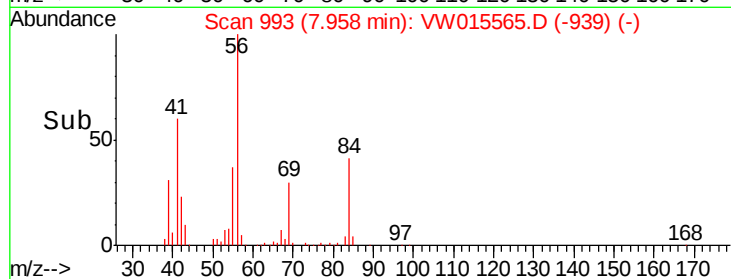
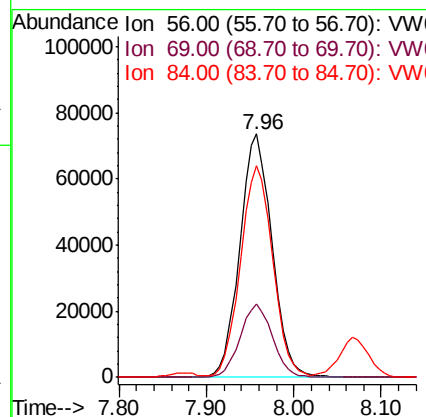
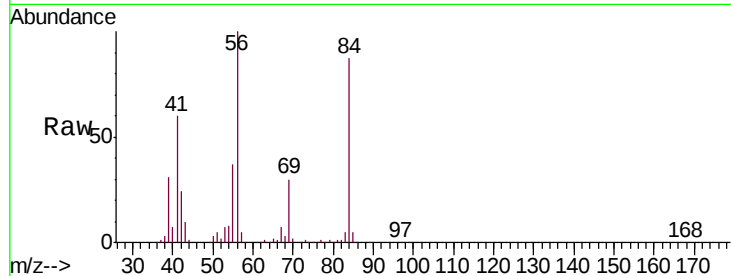




#30
Cyclohexane
Concen: 23.527 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

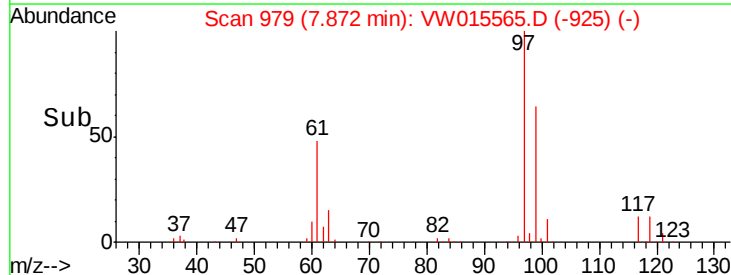
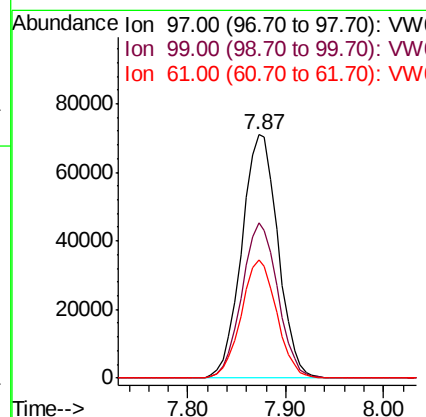
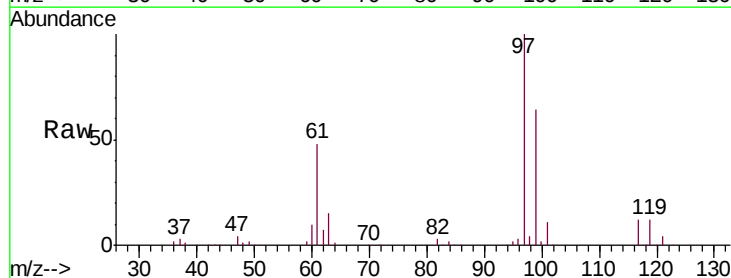
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

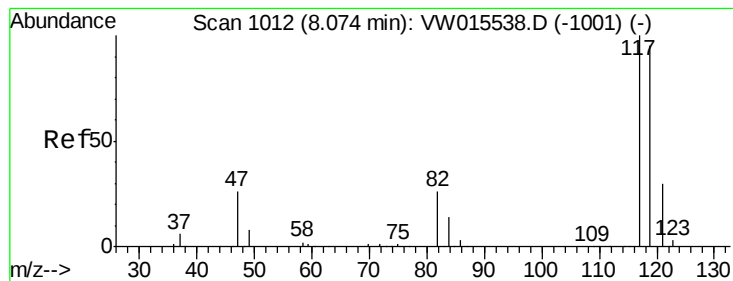
Tgt Ion: 56 Resp: 188242
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 87.4 69.6 104.4



#31
1,1,1-Trichloroethane
Concen: 25.178 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 97 Resp: 182324
Ion Ratio Lower Upper
97 100
99 63.0 51.4 77.0
61 47.3 38.1 57.1





#32

Carbon tetrachloride

Concen: 24.256 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

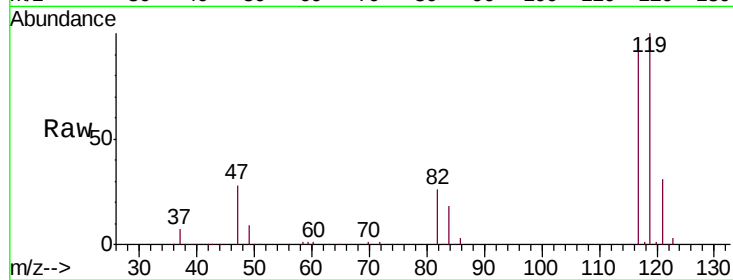
VSTD02525

Tgt Ion:117 Resp: 161098

Ion Ratio Lower Upper

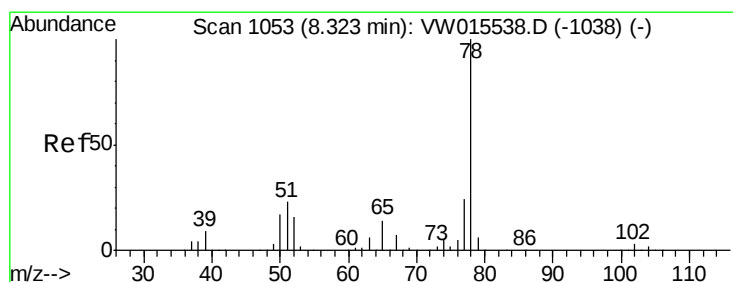
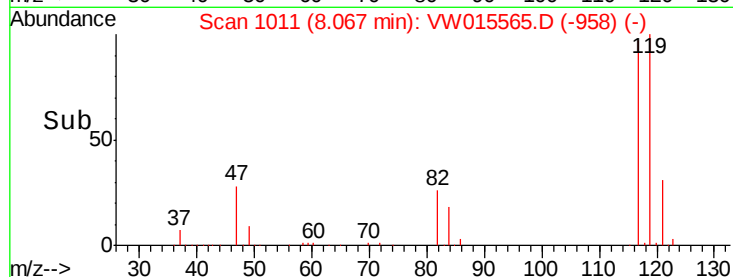
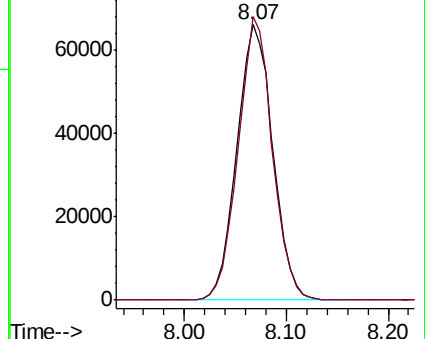
117 100

119 97.9 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.722 ug/L

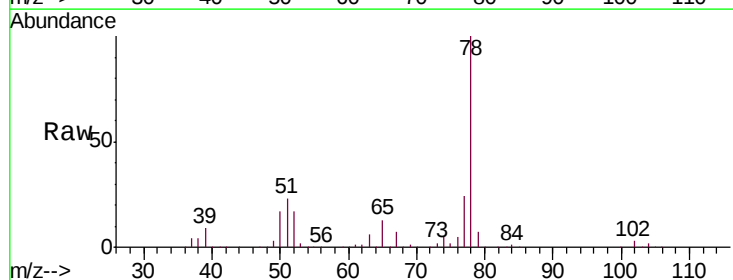
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

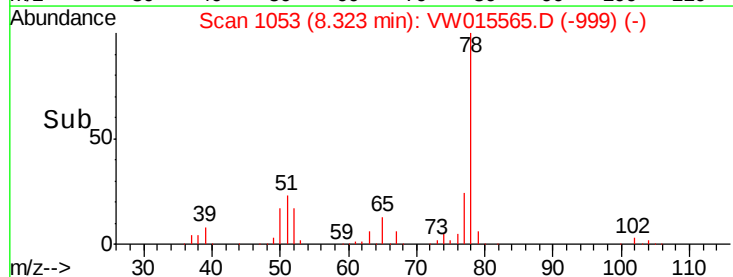
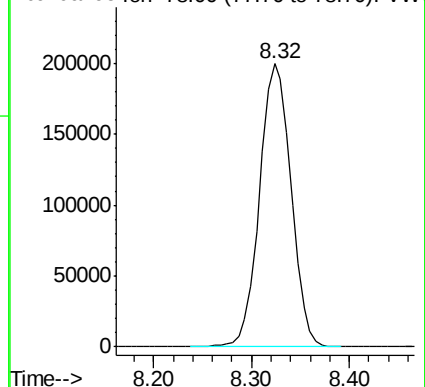
Lab File: VW015565.D

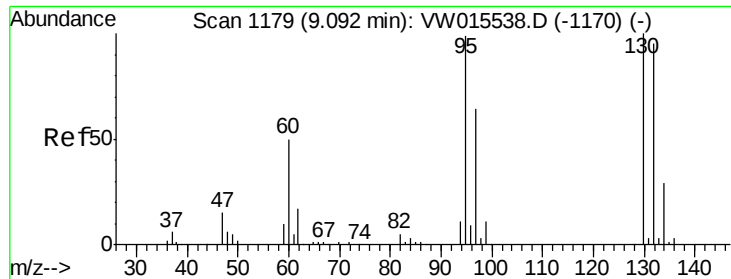
Acq: 09 Jun 2020 11:10

Tgt Ion: 78 Resp: 447516



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.302 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 95 Resp: 118164

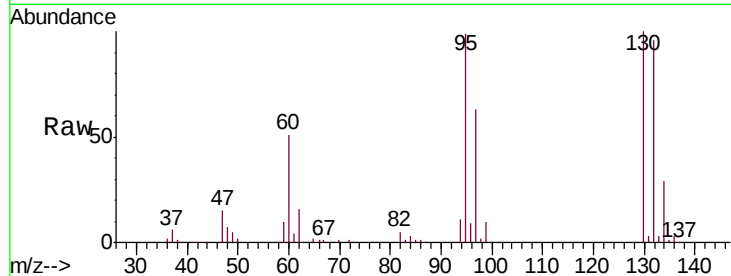
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.2

132 96.8 67.1 124.7

130 101.3 69.4 128.8

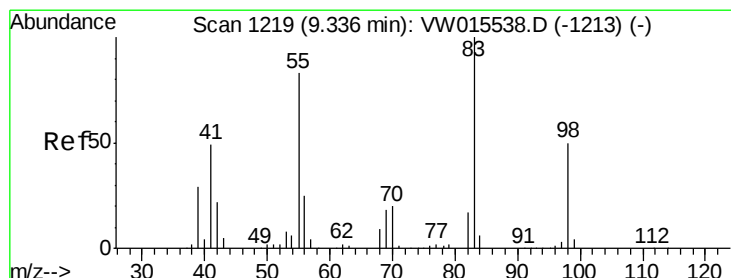
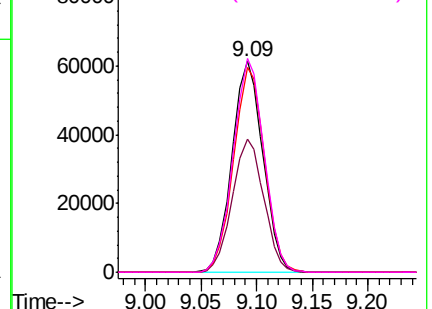
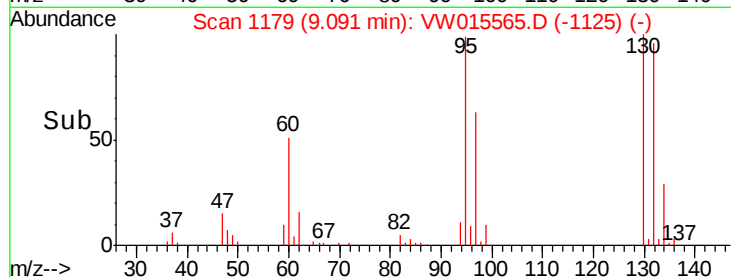


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.017 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

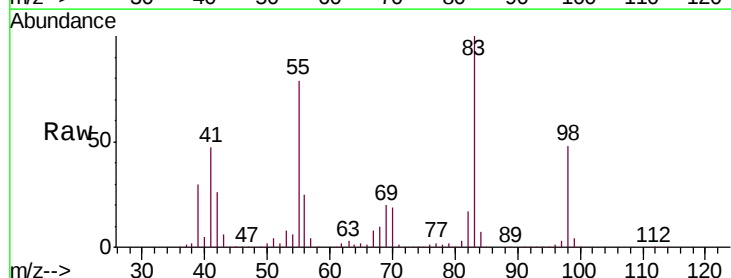
Tgt Ion: 83 Resp: 208279

Ion Ratio Lower Upper

83 100

55 79.1 62.8 94.2

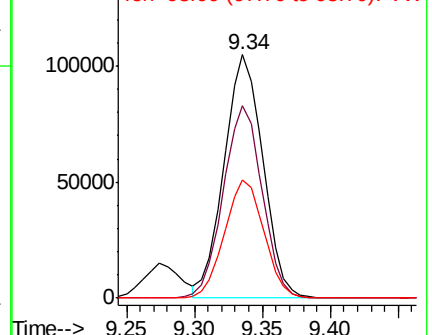
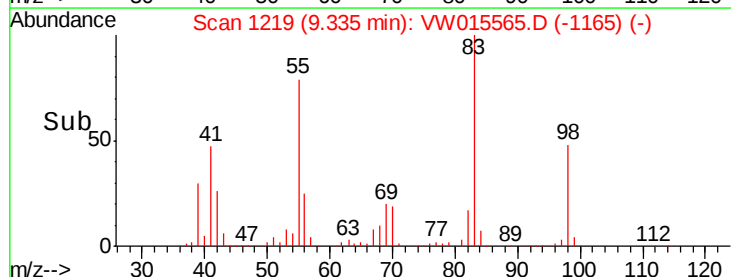
98 49.2 39.2 58.8

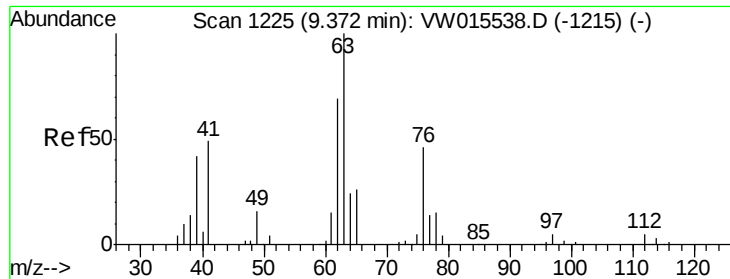


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

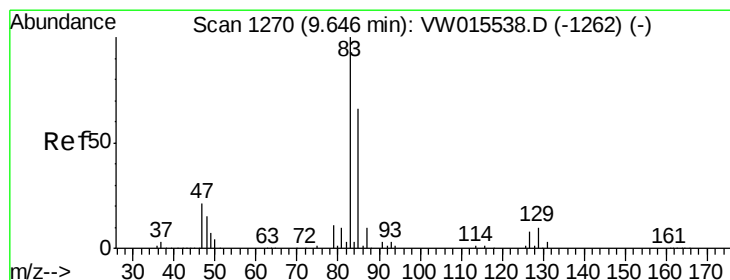
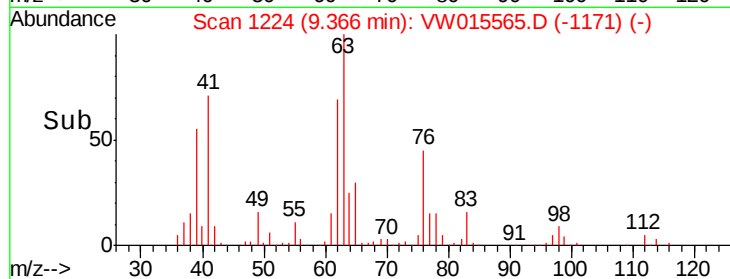
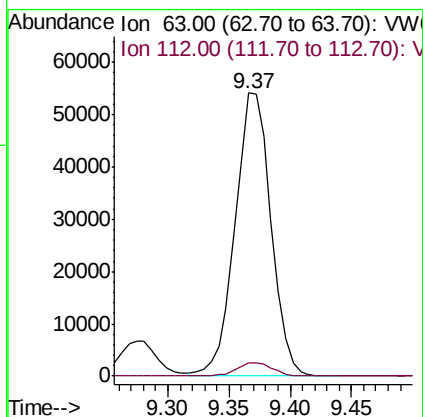
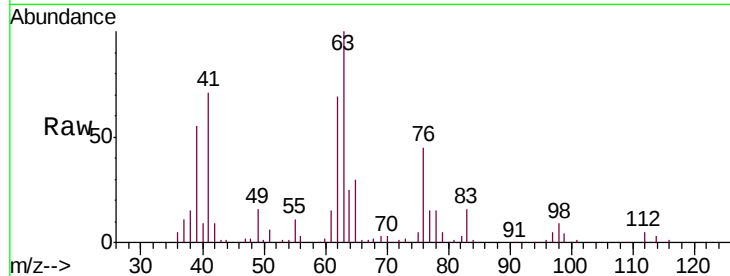




#40
 1,2-Dichloropropane
 Concen: 24.735 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

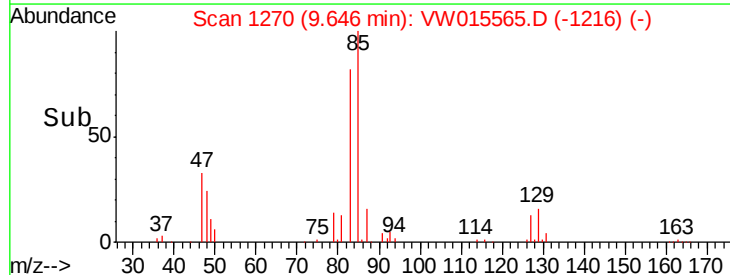
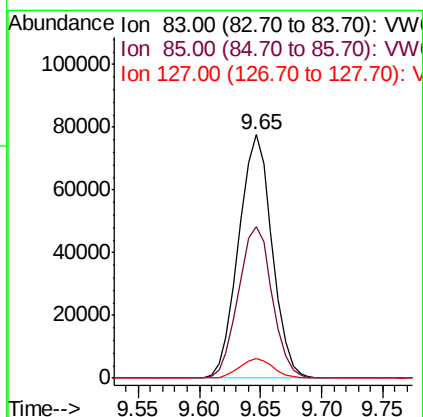
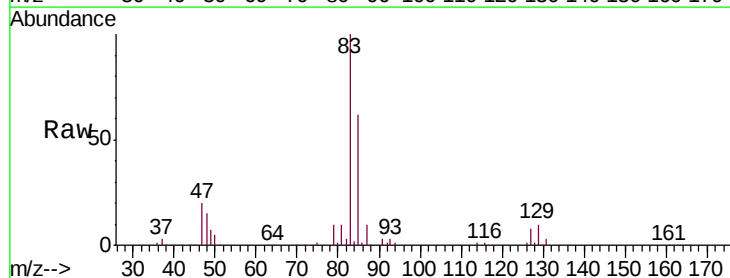
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

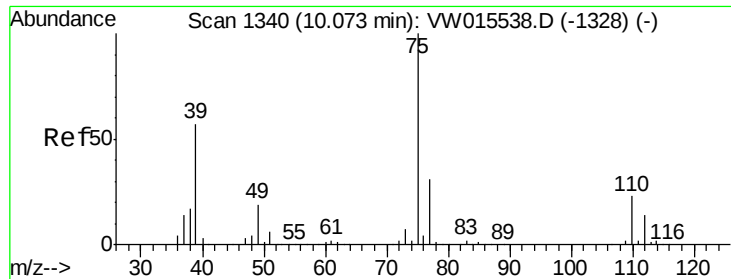
Tgt Ion: 63 Resp: 110261
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.705 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion: 83 Resp: 147125
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.8 83.2
 127 8.1 7.0 10.6

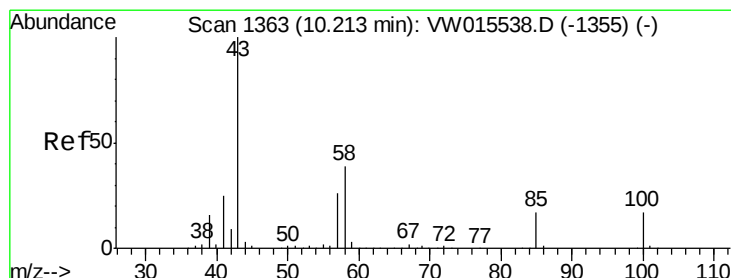
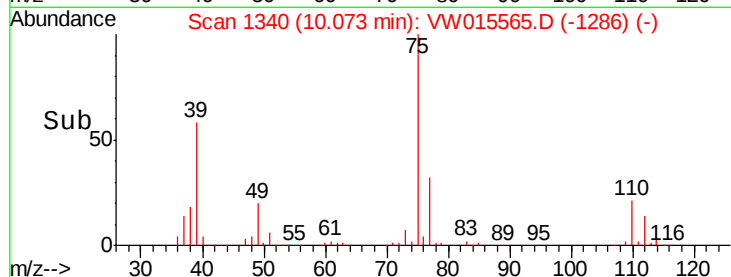
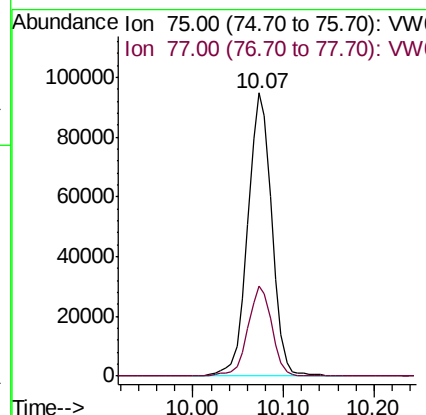
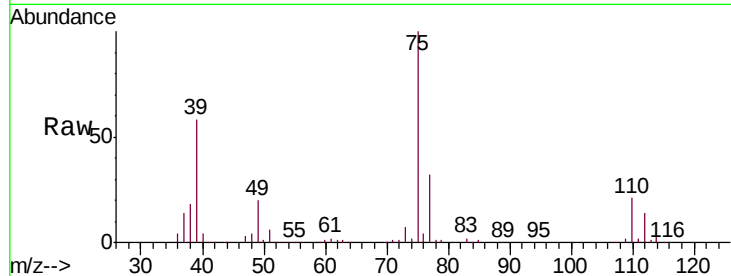




#42
 cis-1,3-Dichloropropene
 Concen: 24.392 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

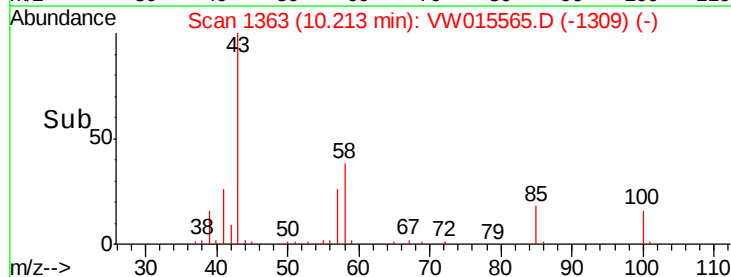
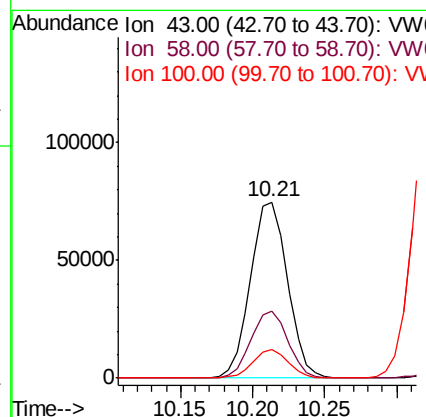
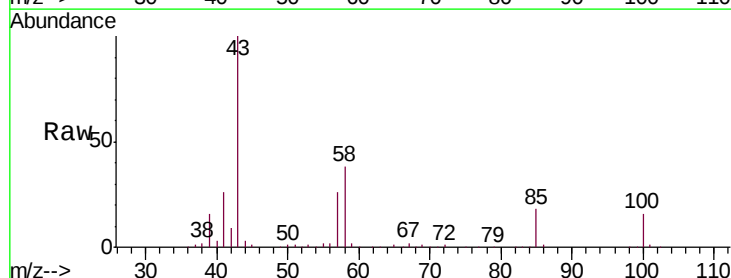
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

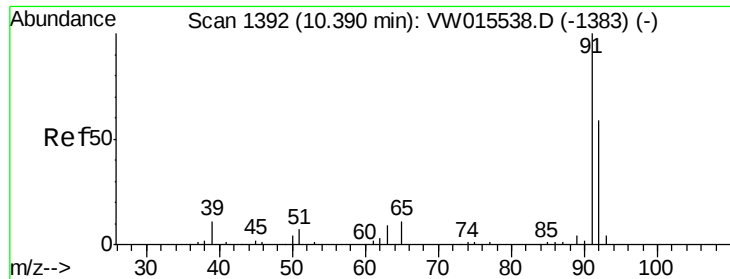
Tgt Ion: 75 Resp: 173996
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 50.960 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion: 43 Resp: 133160
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.6 46.0
 100 15.7 12.5 18.7





#44

Toluene

Concen: 24.669 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

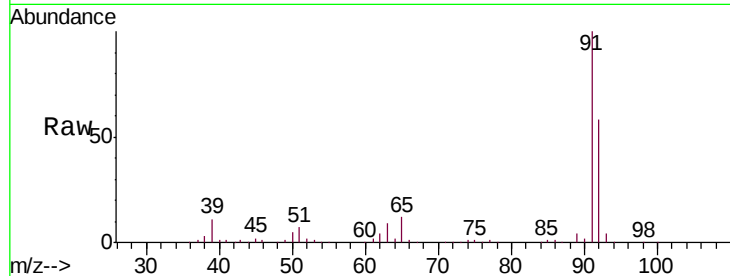
VSTD02525

Tgt Ion: 91 Resp: 486502

Ion Ratio Lower Upper

91 100

92 57.5 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

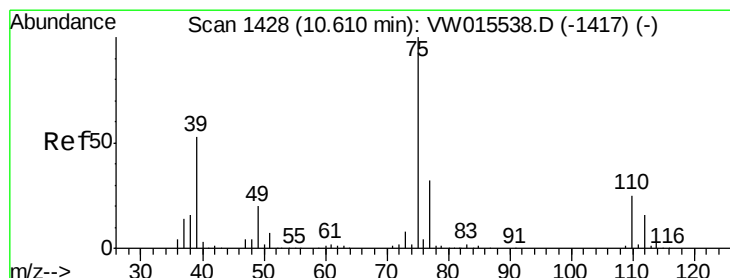
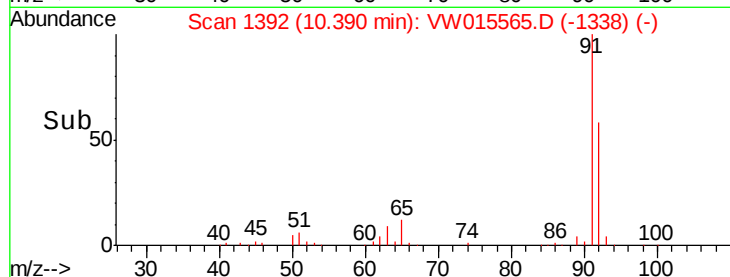
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.785 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015565.D

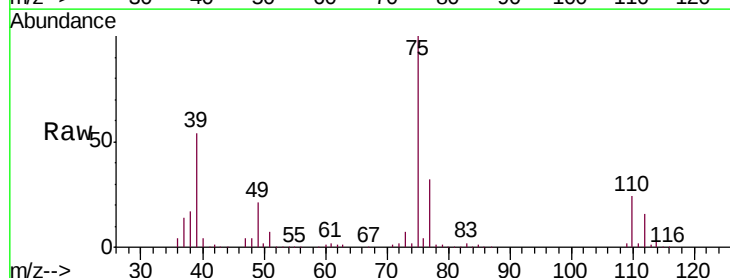
Acq: 09 Jun 2020 11:10

Tgt Ion: 75 Resp: 153862

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

100000

80000

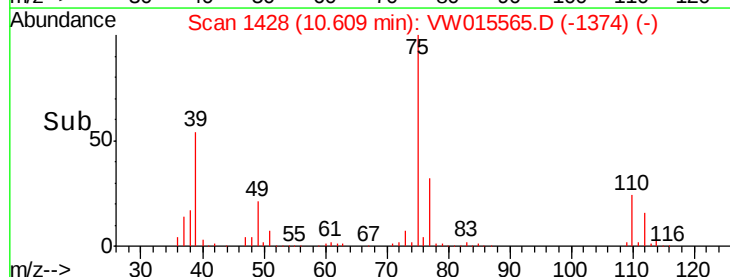
60000

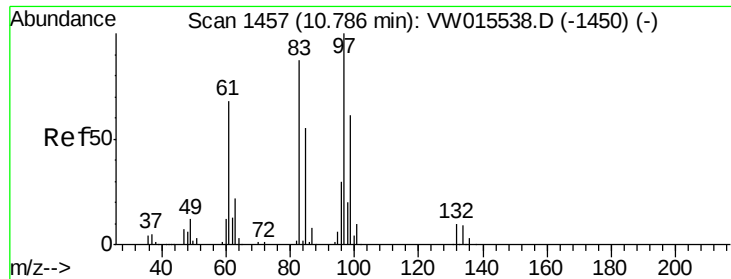
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.668 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 80049

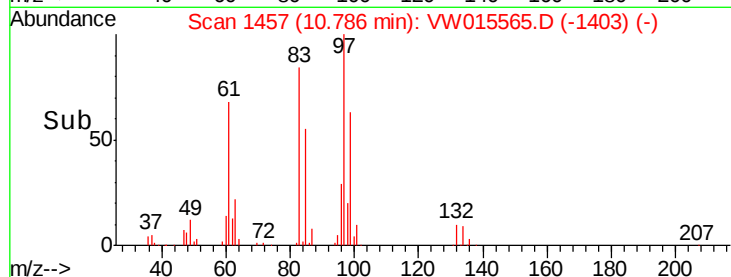
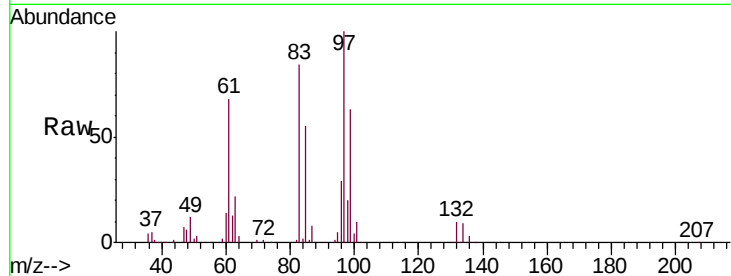
Ion Ratio Lower Upper

97 100

83 84.5 58.2 108.2

85 54.8 37.4 69.4

99 63.0 43.7 81.1

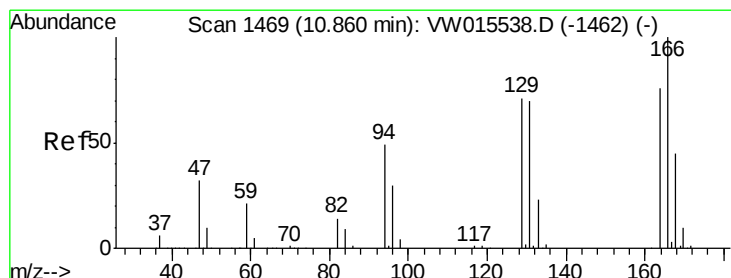
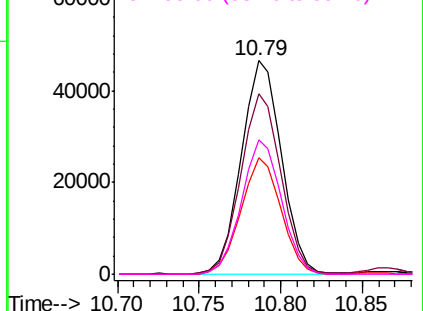


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.544 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Tgt Ion: 164 Resp: 94601

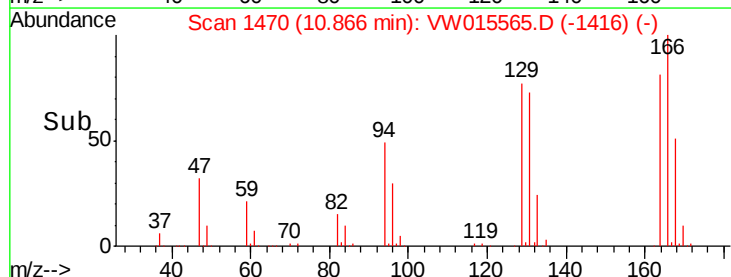
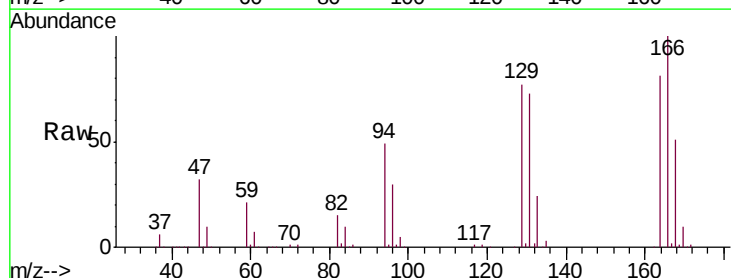
Ion Ratio Lower Upper

164 100

129 94.0 66.3 123.1

131 89.1 65.1 120.9

166 122.7 90.8 168.6

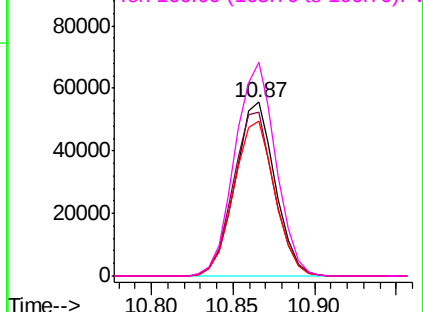


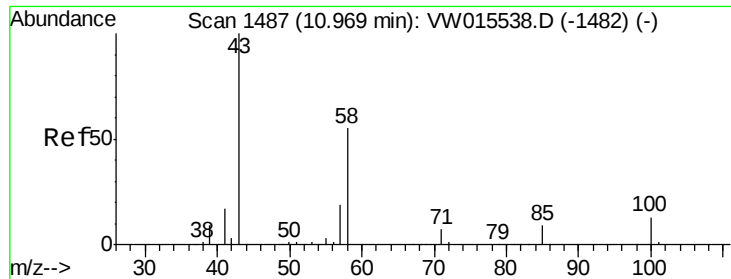
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

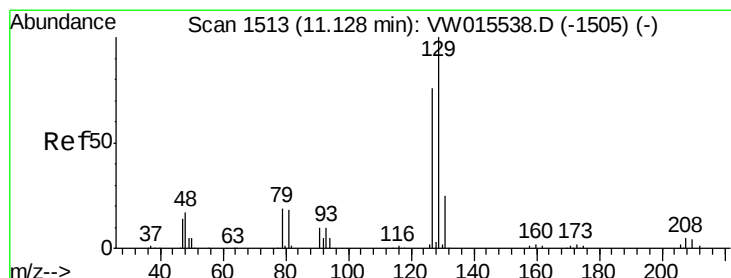
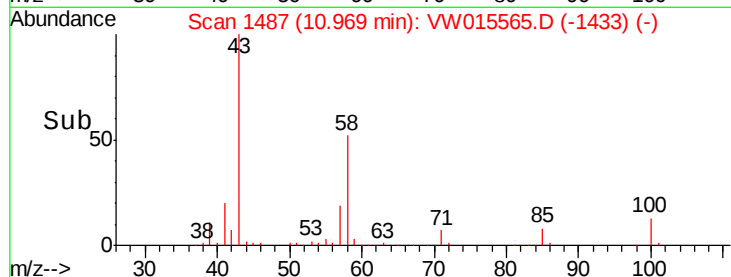
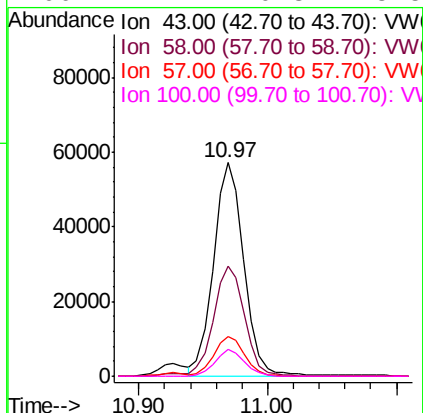
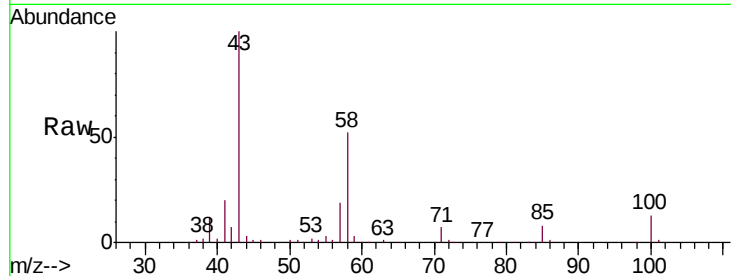




#49
2-Hexanone
Concen: 53.816 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

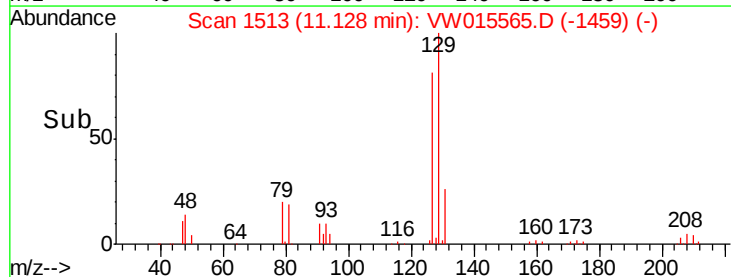
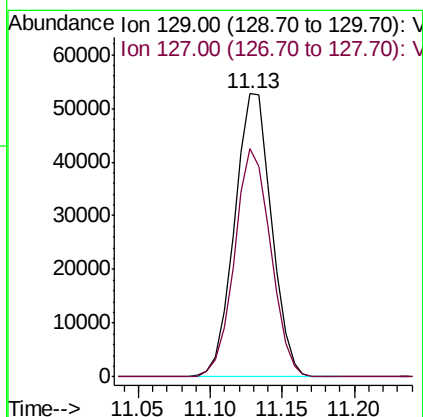
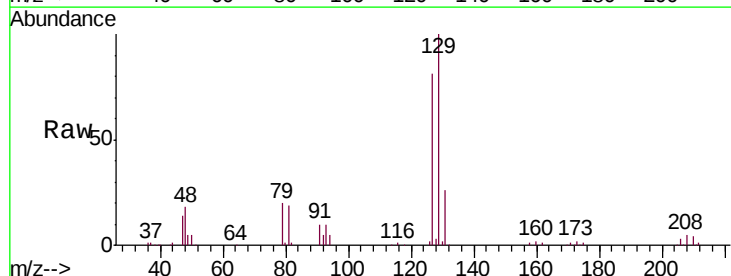
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

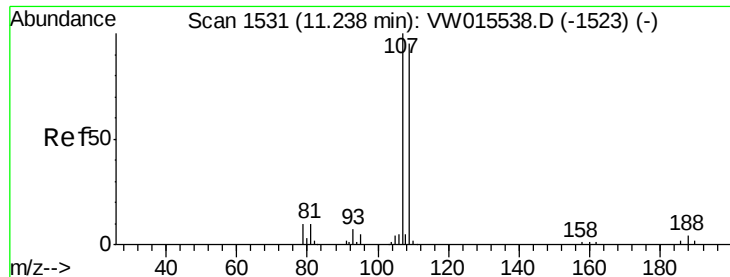
Tgt Ion: 43 Resp: 94918
Ion Ratio Lower Upper
43 100
58 52.2 42.6 64.0
57 18.7 15.5 23.3
100 12.2 10.3 15.5



#50
Dibromochloromethane
Concen: 24.847 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 129 Resp: 94143
Ion Ratio Lower Upper
129 100
127 80.7 53.0 98.4

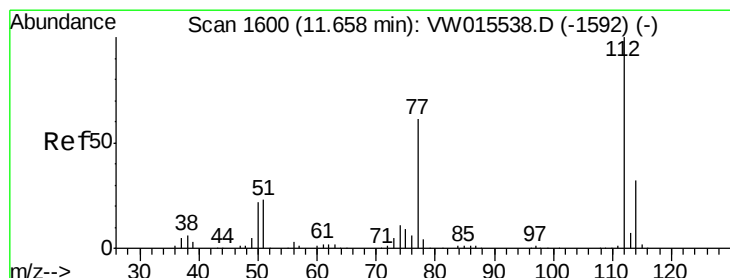
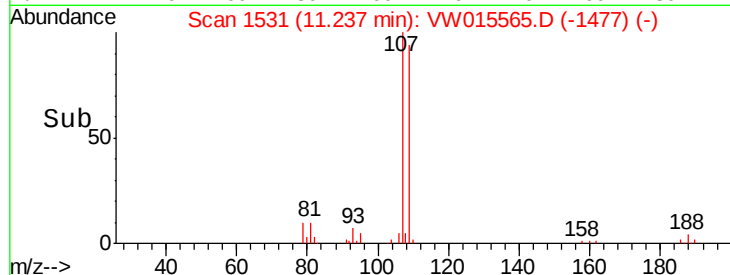
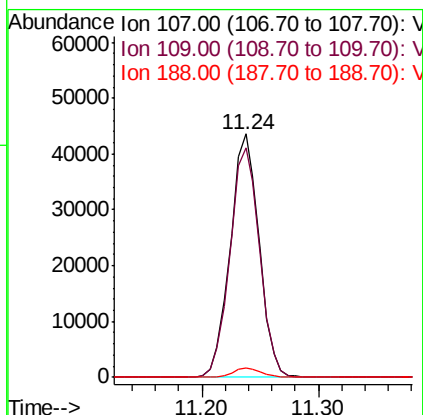
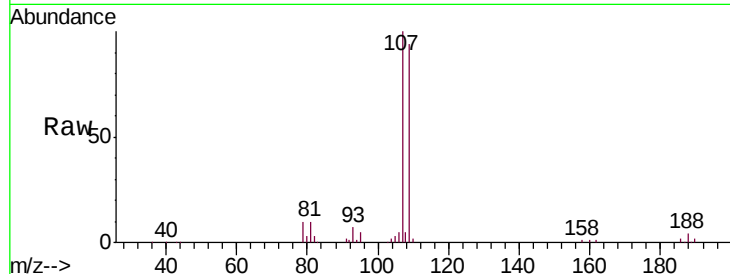




#51
1,2-Dibromoethane
Concen: 25.214 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

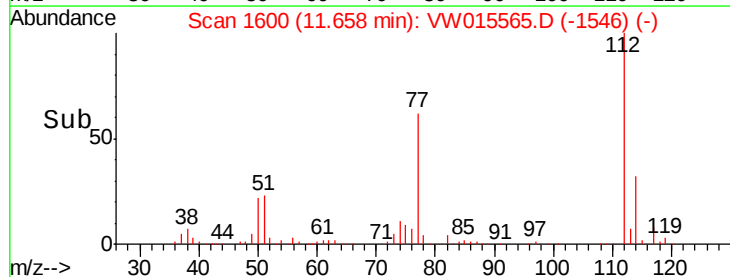
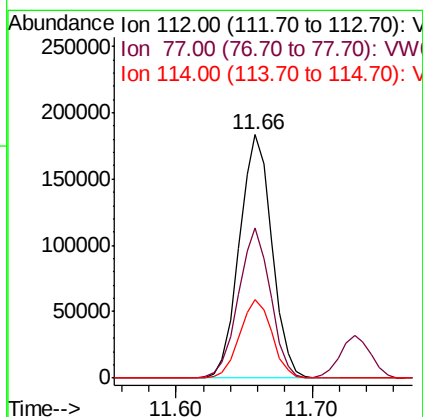
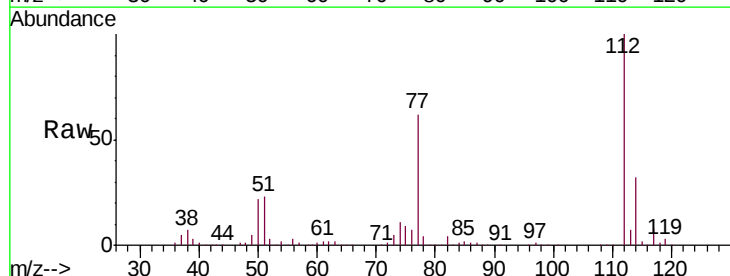
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

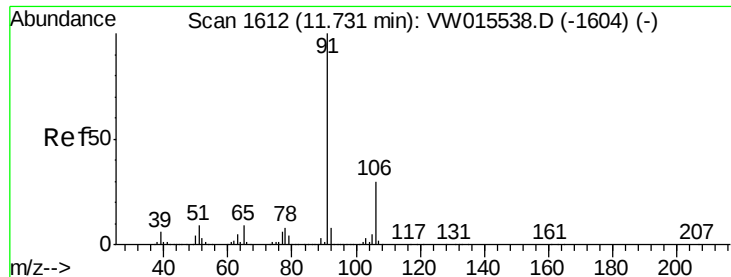
Tgt Ion:107 Resp: 75491
Ion Ratio Lower Upper
107 100
109 94.2 64.6 120.0
188 3.8 2.8 4.2



#52
Chlorobenzene
Concen: 24.708 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion:112 Resp: 305647
Ion Ratio Lower Upper
112 100
77 61.6 49.7 74.5
114 32.5 21.8 40.6

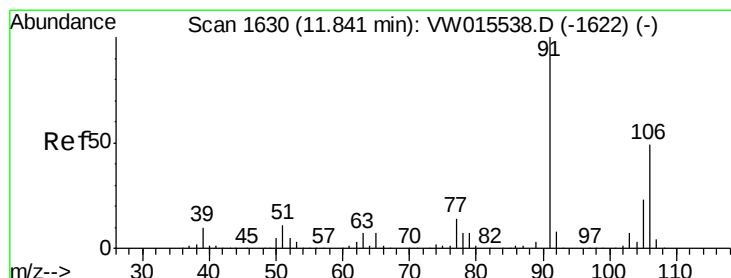
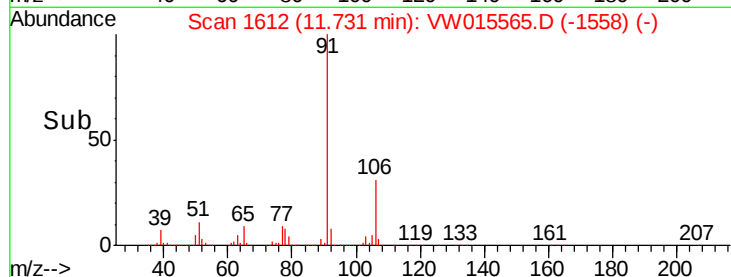
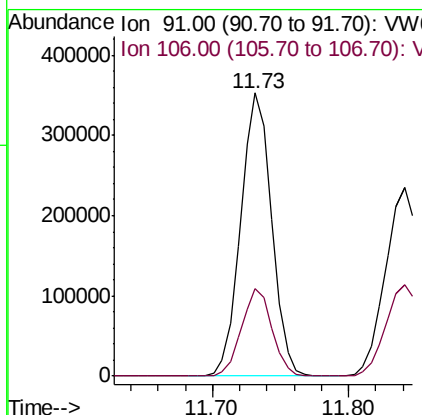
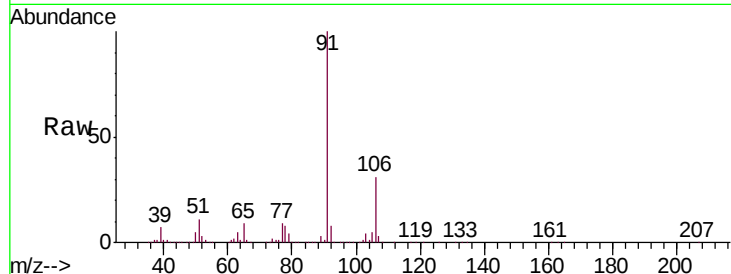




#53
Ethylbenzene
Concen: 24.750 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

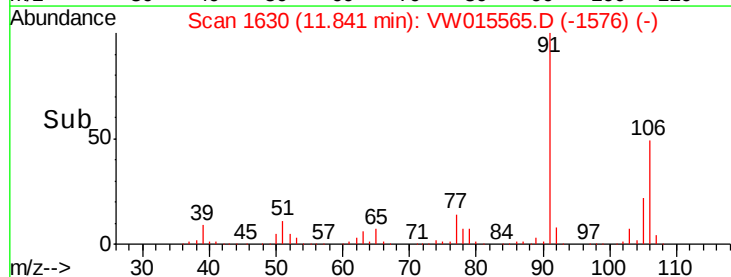
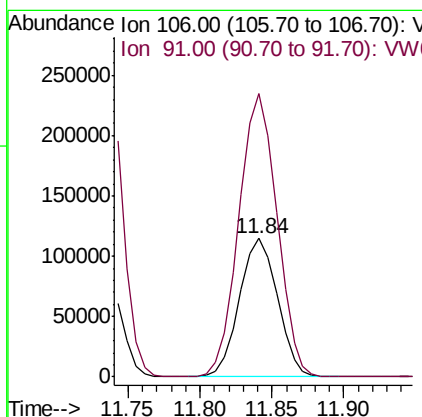
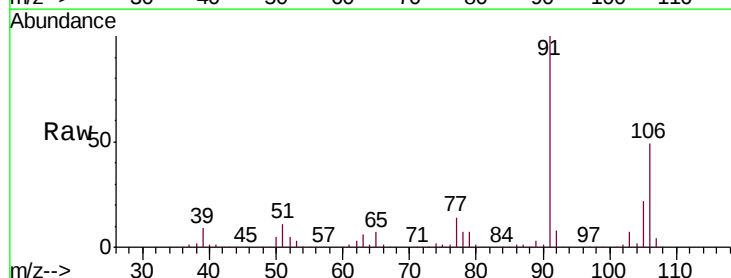
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

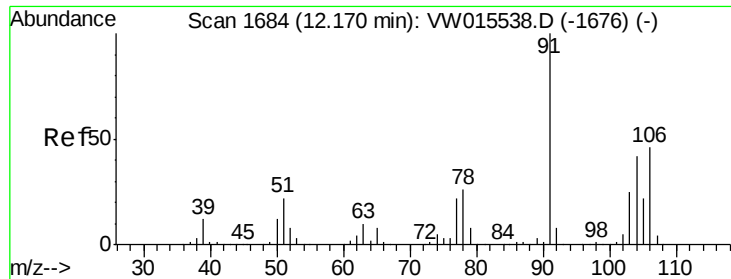
Tgt Ion: 91 Resp: 560472
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#54
m,p-Xylene
Concen: 24.785 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion: 106 Resp: 210608
Ion Ratio Lower Upper
106 100
91 204.9 142.6 264.8

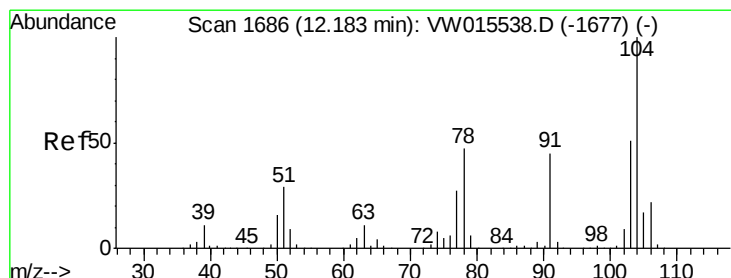
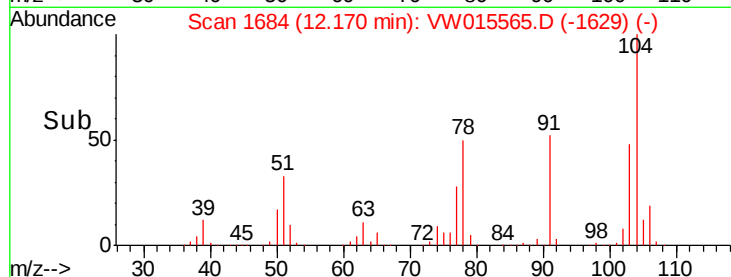
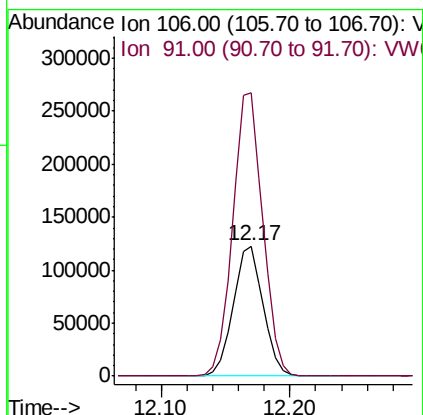
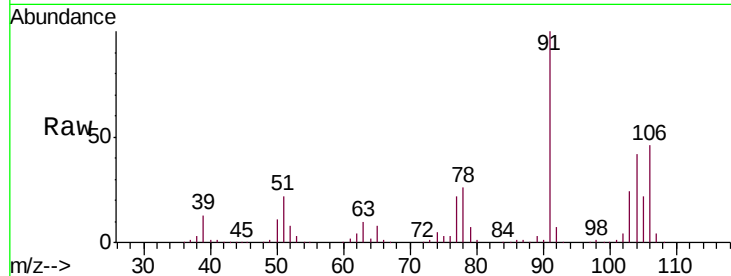




#55
o-xylene
Concen: 24.497 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

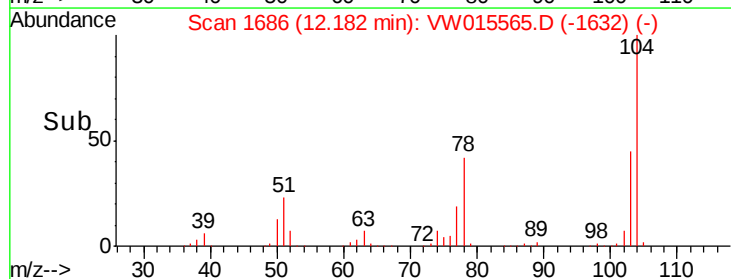
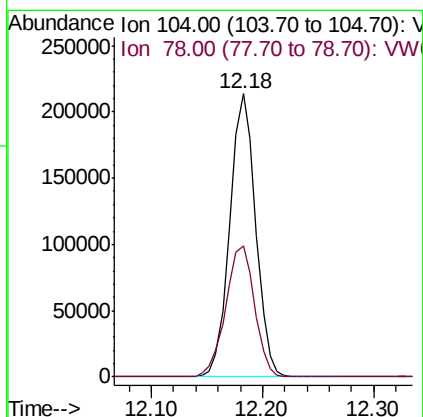
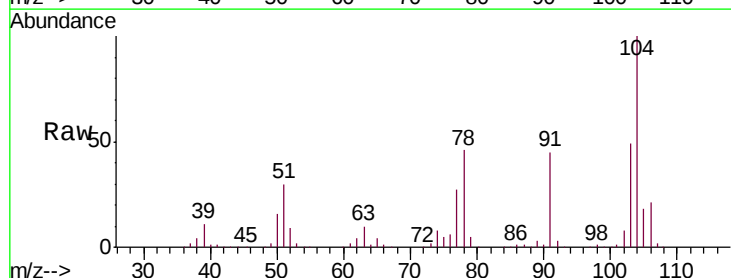
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

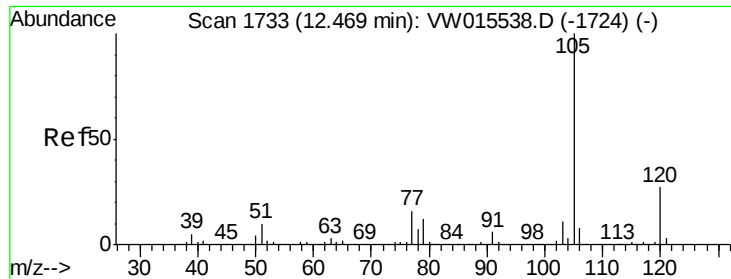
Tgt Ion:106 Resp: 197593
Ion Ratio Lower Upper
106 100
91 217.2 149.0 276.6



#56
Styrene
Concen: 24.888 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015565.D
Acq: 09 Jun 2020 11:10

Tgt Ion:104 Resp: 343004
Ion Ratio Lower Upper
104 100
78 46.2 32.9 61.1





#57

Isopropylbenzene

Concen: 24.733 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

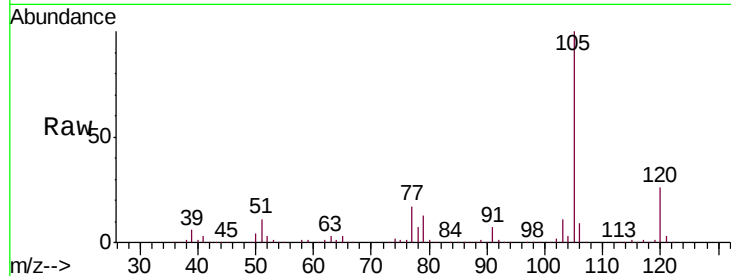
Tgt Ion: 105 Resp: 555706

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

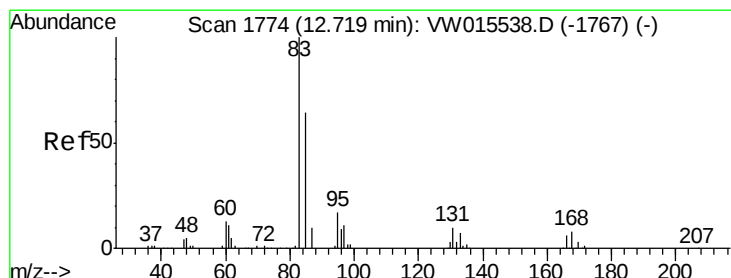
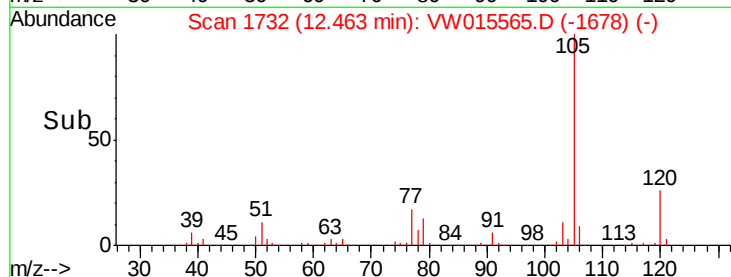
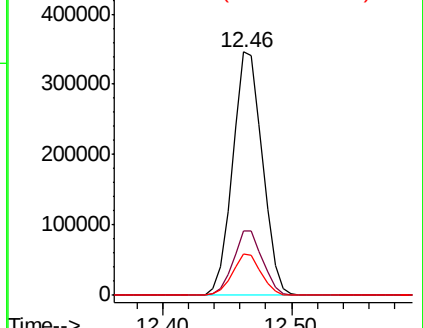
77 16.5 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.331 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

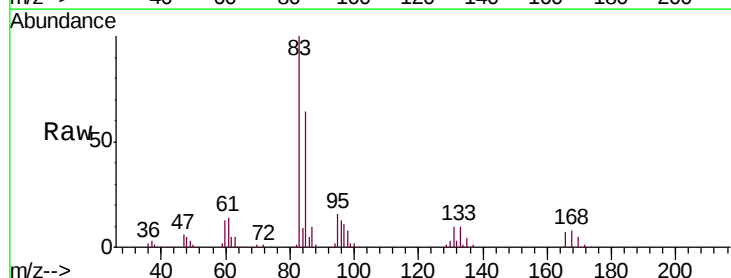
Tgt Ion: 83 Resp: 95068

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

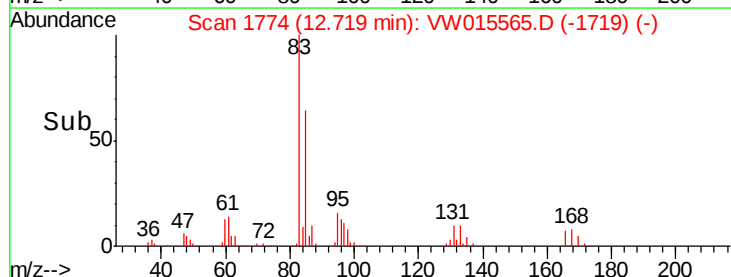
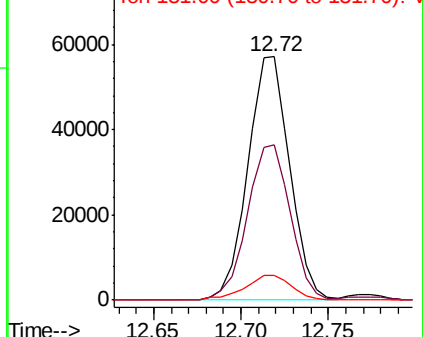
131 10.1 9.1 13.7

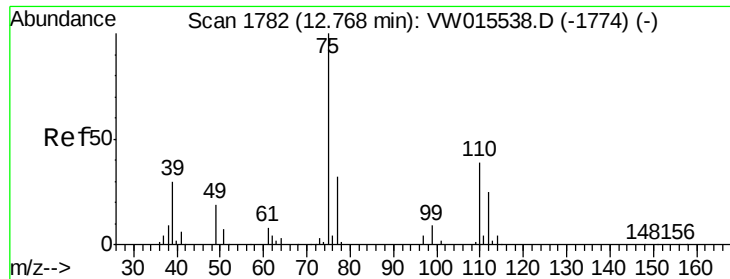


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.073 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

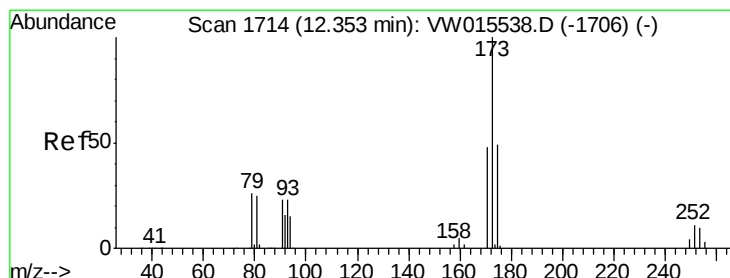
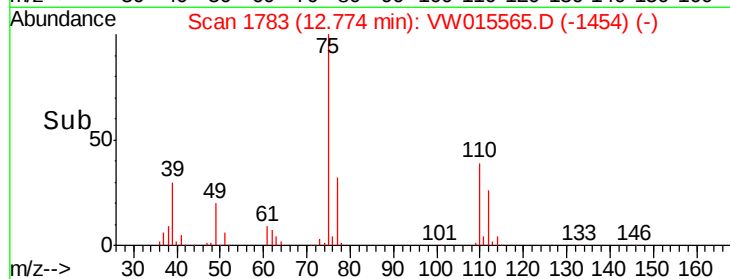
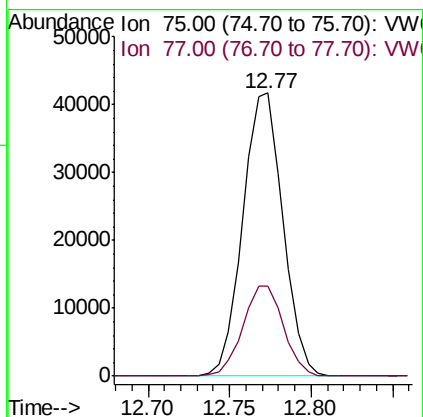
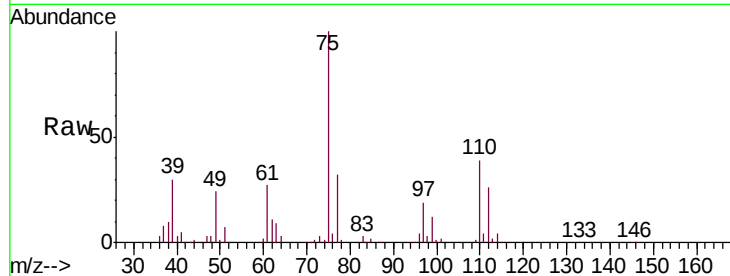
VSTD02525

Tgt Ion: 75 Resp: 71379

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 24.355 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

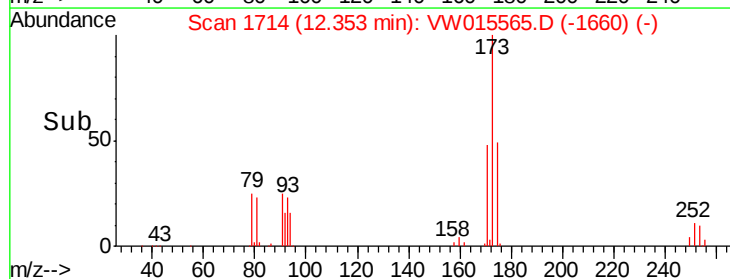
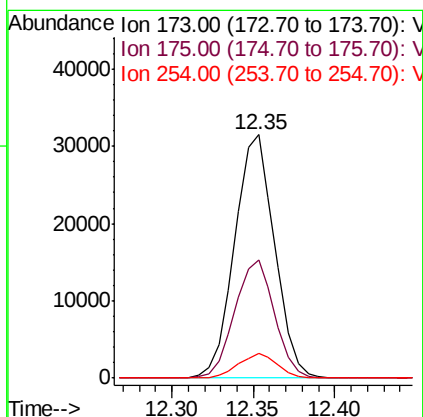
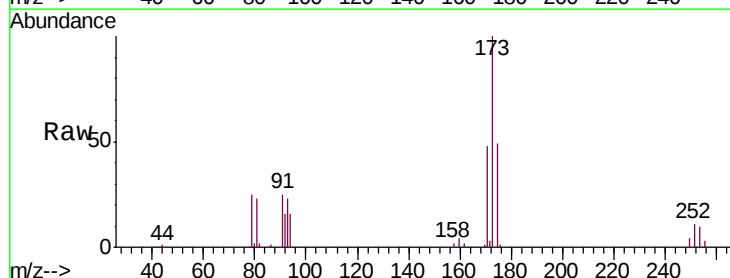
Tgt Ion: 173 Resp: 53628

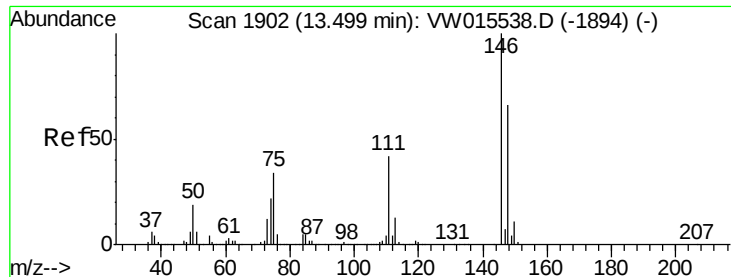
Ion Ratio Lower Upper

173 100

175 48.3 37.9 56.9

254 9.7 6.8 10.2

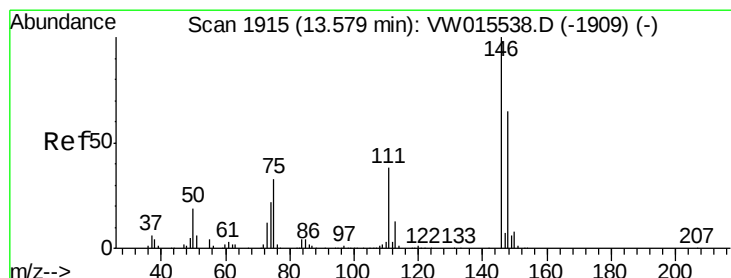
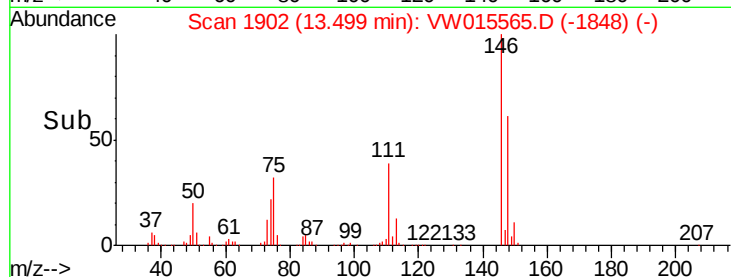
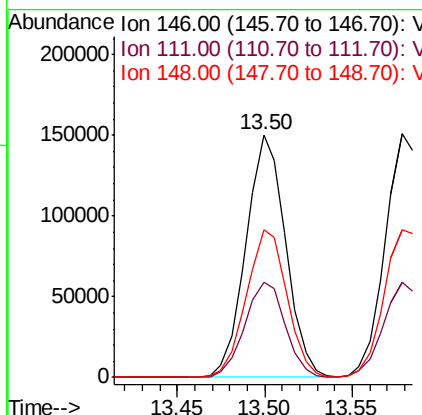
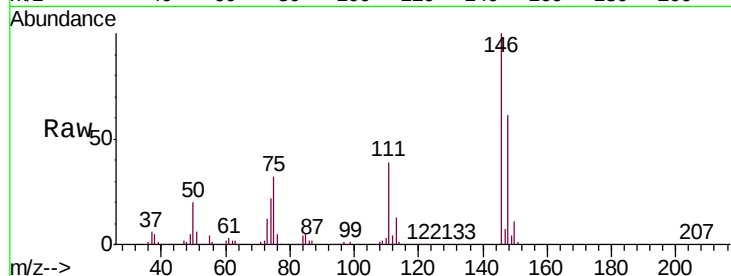




#63
 1,3-Dichlorobenzene
 Concen: 24.637 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

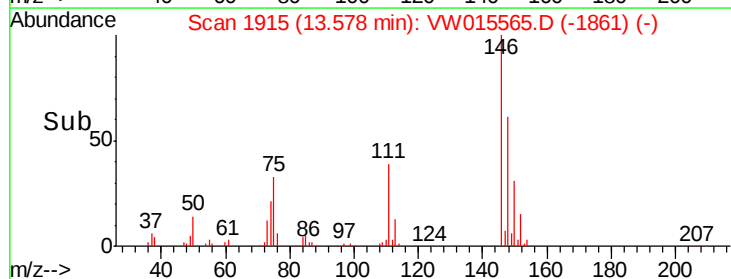
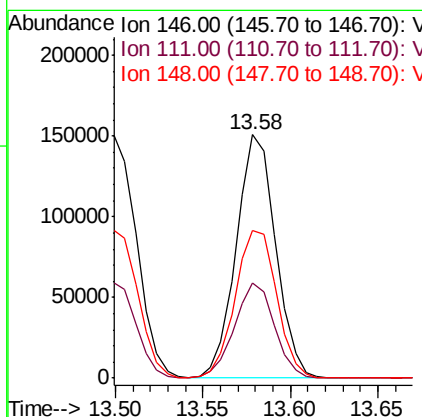
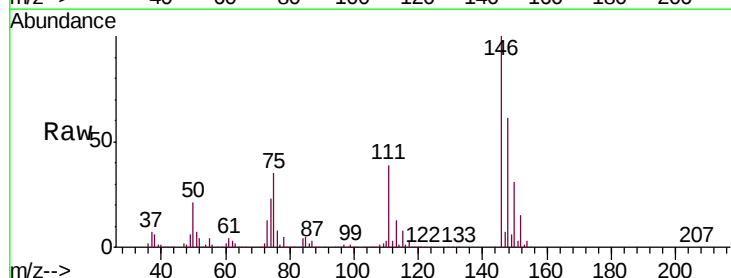
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

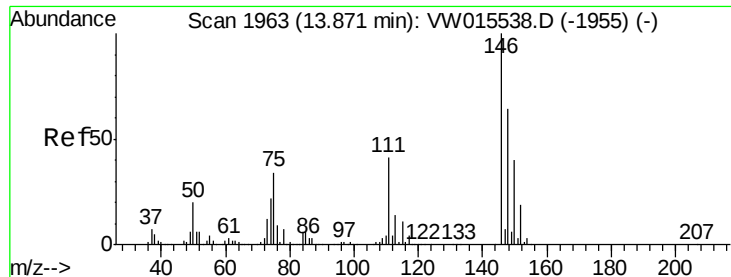
Tgt Ion:146 Resp: 238246
 Ion Ratio Lower Upper
 146 100
 111 39.1 29.3 54.5
 148 61.0 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 24.969 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion:146 Resp: 236587
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.1 52.1
 148 60.9 43.3 80.3

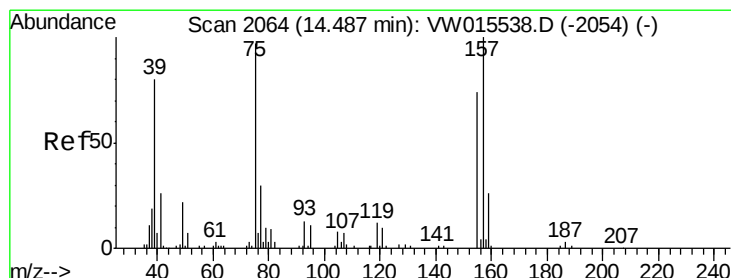
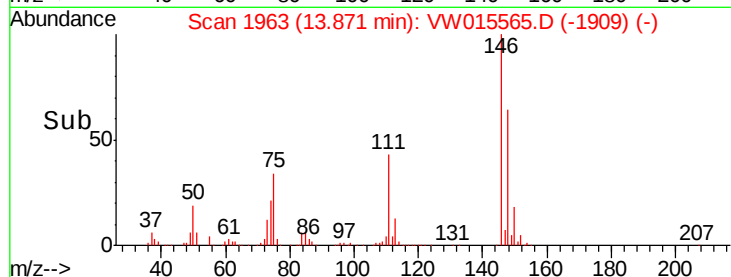
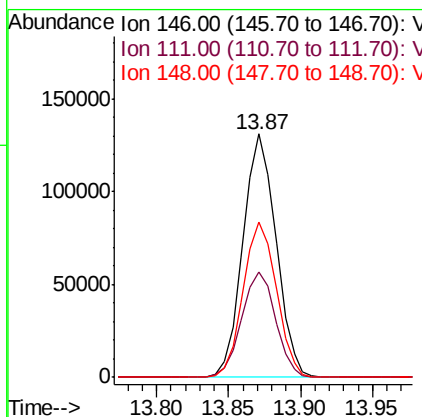
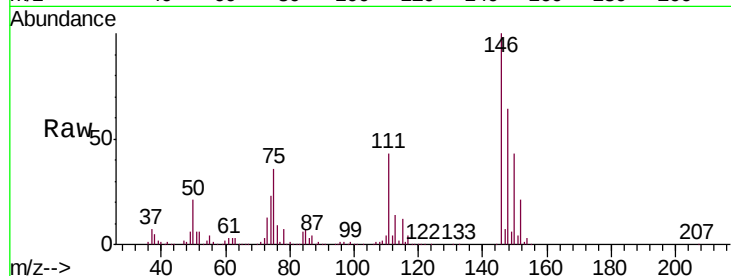




#65
 1,2-Dichlorobenzene
 Concen: 24.824 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

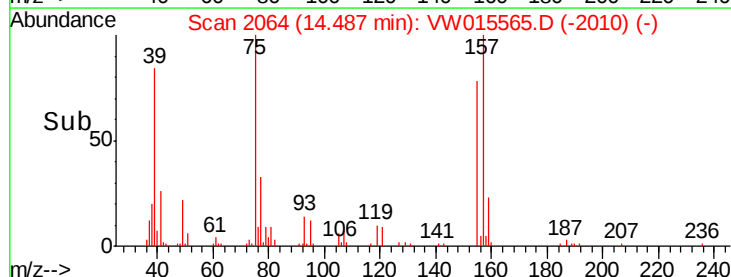
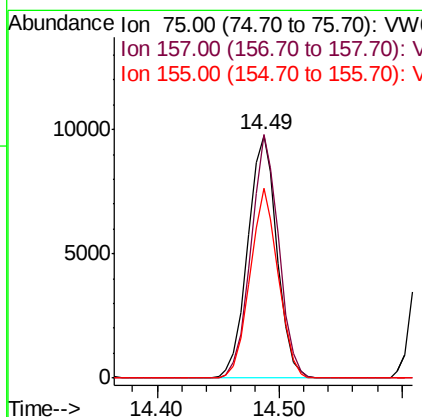
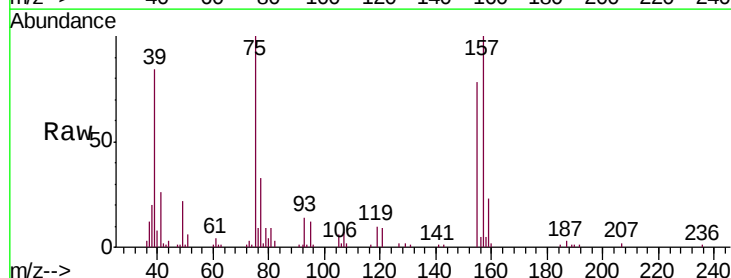
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

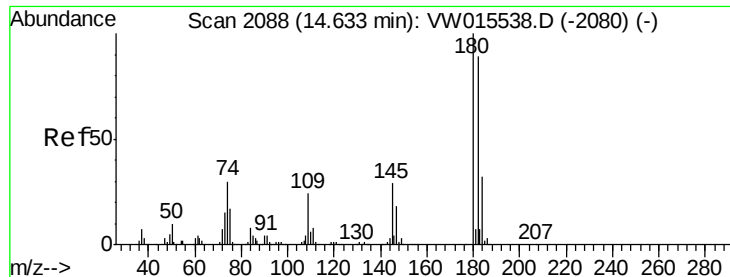
Tgt Ion: 146 Resp: 208608
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.9 52.3
 148 63.8 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.382 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion: 75 Resp: 16181
 Ion Ratio Lower Upper
 75 100
 157 100.2 87.4 131.0
 155 78.2 64.6 96.8

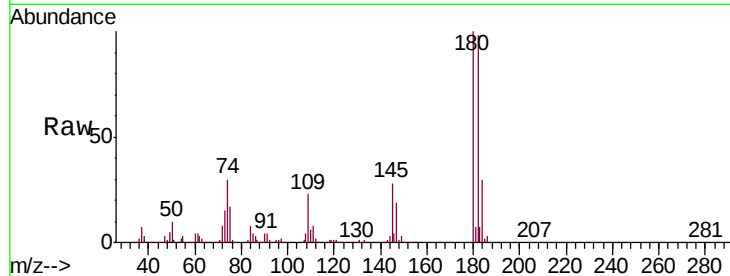




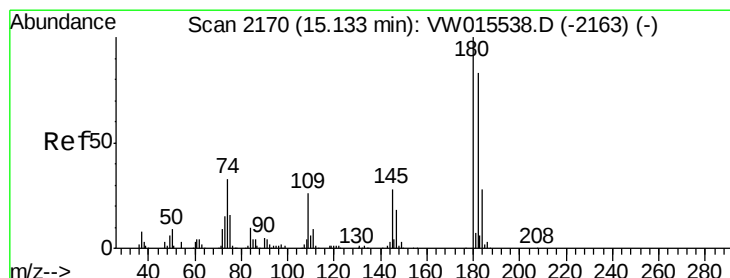
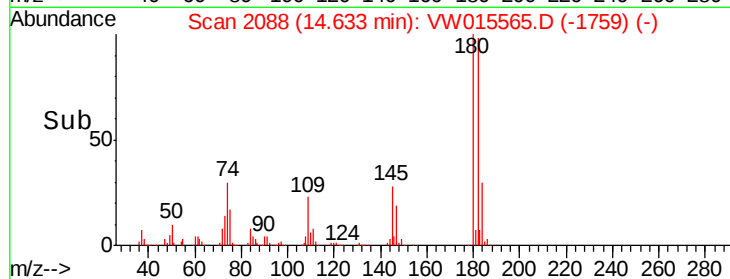
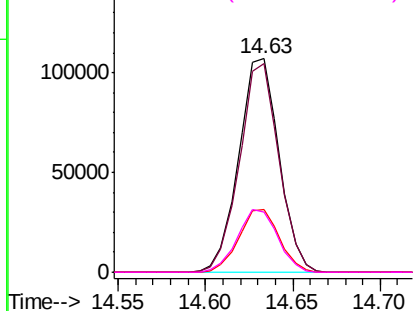
#67
 1,3,5-Trichlorobenzene
 Concen: 25.552 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion:	180	Resp:	171067
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	29.7	24.4	36.6
145	29.4	24.0	36.0

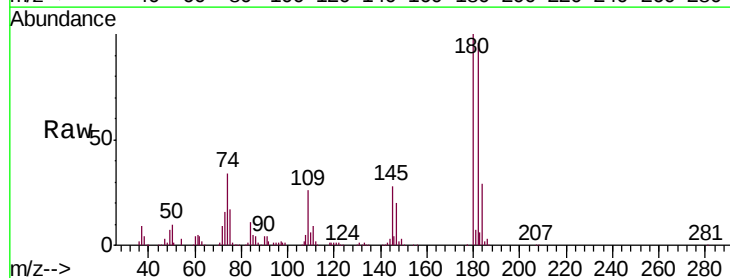


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

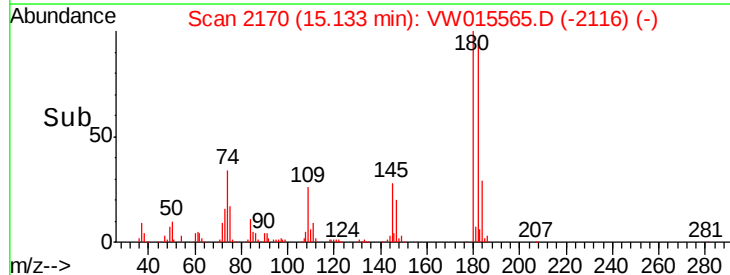
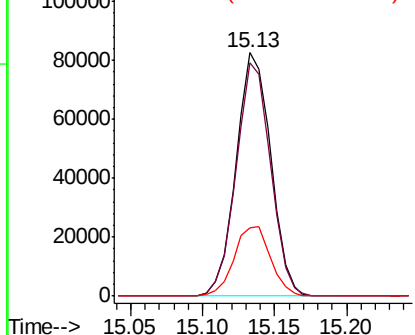


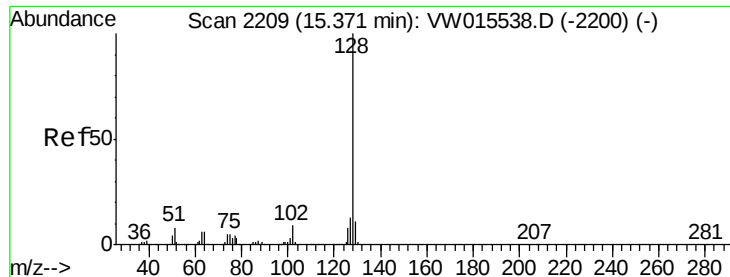
#68
 1,2,4-trichlorobenzene
 Concen: 25.661 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015565.D
 Acq: 09 Jun 2020 11:10

Tgt Ion:	180	Resp:	138370
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	30.0	25.2	37.8



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: 26.116 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

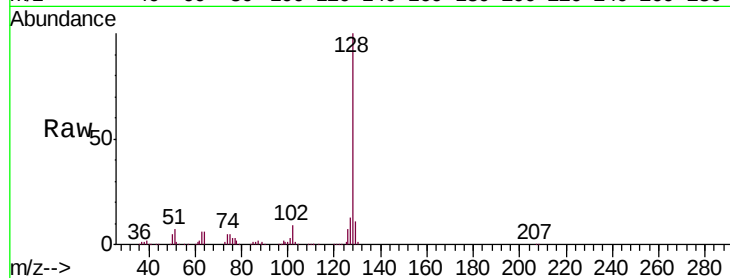
Tgt Ion:128 Resp: 255698

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

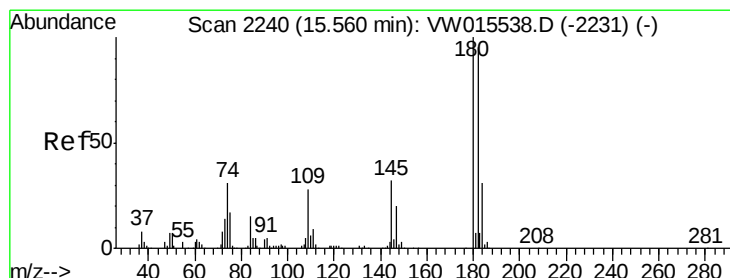
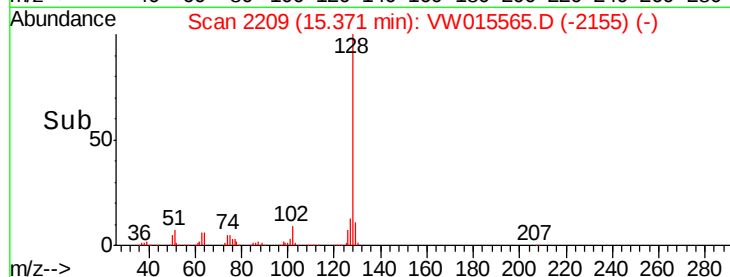
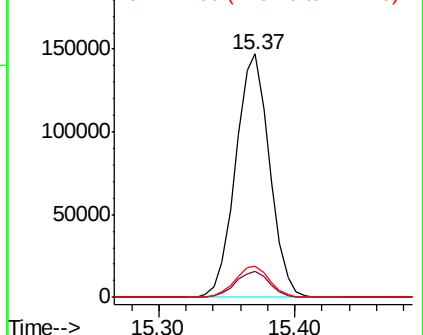
127 13.0 10.6 15.8



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: 25.001 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015565.D

Acq: 09 Jun 2020 11:10

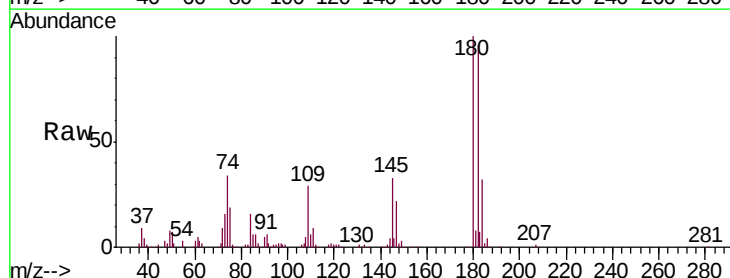
Tgt Ion:180 Resp: 114691

Ion Ratio Lower Upper

180 100

182 98.6 75.4 113.2

145 33.7 26.7 40.1



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

