

Data File : VW015465.D
Acq On : 26 May 2020 10:30
Operator : SY/VA
Sample : VSTD005
Misc : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: May 26 11:59:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	369673	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332194	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158346	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17634	3.81	ug/L	0.00
7) Chloroethane-d5	2.90	69	17442	3.91	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	42967	4.57	ug/L	0.00
20) 2-Butanone-d5	7.08	46	10857	8.79	ug/L	0.00
24) Chloroform-d	7.65	84	44131	4.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	24370	4.71	ug/L	0.00
29) Benzene-d6	8.27	84	85393	4.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	25337	4.60	ug/L	0.00
37) Toluene-d8	10.33	98	80812	4.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	11254	4.49	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7976	7.84	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	18212	4.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	27711	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	15138	4.666 ug/L	94
3) Chloromethane	2.22	50	18398	5.300 ug/L	97
5) Vinyl chloride	2.37	62	28658	5.313 ug/L	98
6) Bromomethane	2.79	94	18852	5.080 ug/L	100
8) Chloroethane	2.93	64	16725	4.639 ug/L	98
9) Trichlorofluoromethane	3.26	101	18548	4.717 ug/L	100
12) 1,1-Dichloroethene	4.04	96	22979	5.182 ug/L	95
13) Acetone	4.12	43	8126	8.686 ug/L	98
14) Carbon disulfide	4.38	76	78340	5.688 ug/L	99
15) Methyl Acetate	4.67	43	3953	1.932 ug/L #	41
16) Methylene chloride	4.92	84	23748	4.486 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	36475	5.060 ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	24769	5.183 ug/L	98
19) 1,1-Dichloroethane	6.23	63	44055	4.895 ug/L	98
21) 2-Butanone	7.18	43	13020	9.257 ug/L #	74
22) cis-1,2-Dichloroethene	7.18	96	25092	4.872 ug/L	97
23) Bromochloromethane	7.52	128	10756	5.011 ug/L	96
25) Chloroform	7.68	83	44631	5.016 ug/L	99
27) 1,2-Dichloroethane	8.40	62	29546	4.880 ug/L	99
30) Cyclohexane	7.96	56	42781	4.923 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	39365	5.280 ug/L	99
32) Carbon tetrachloride	8.07	117	35444	5.224 ug/L	99
34) Benzene	8.32	78	98418	5.064 ug/L	100
35) Trichloroethene	9.10	95	26477	5.084 ug/L	97
36) Methylcyclohexane	9.34	83	46148	4.990 ug/L	99
40) 1,2-Dichloropropane	9.37	63	23942	4.929 ug/L	100
41) Bromodichloromethane	9.65	83	31217	4.869 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	36595	4.666 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	26185	8.047 ug/L	97
44) Toluene	10.39	91	104923	4.940 ug/L	97

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Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: May 26 11:59:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Tue May 26 11:56:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	31331	4.584	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	16074	4.721	ug/L	98
47) Tetrachloroethene	10.87	164	20351	5.209	ug/L	95
49) 2-Hexanone	10.97	43	17223	8.400	ug/L	97
50) Dibromochloromethane	11.13	129	19546	4.745	ug/L	99
51) 1,2-Dibromoethane	11.24	107	15296	4.707	ug/L	100
52) Chlorobenzene	11.66	112	66078	4.931	ug/L	97
53) Ethylbenzene	11.73	91	119538	4.825	ug/L	99
54) m,p-Xylene	11.84	106	44689	4.829	ug/L	97
55) o-xylene	12.17	106	41265	4.635	ug/L	91
56) Styrene	12.18	104	69357	4.563	ug/L	98
57) Isopropylbenzene	12.46	105	116911	4.754	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	18052	4.457	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	14120	4.590	ug/L	98
62) Bromoform	12.35	173	10563	4.517	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	50140	4.980	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	48654	4.854	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	43463	4.907	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3015	4.223	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	34863	5.036	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	27264	4.769	ug/L	100
69) Naphthalene	15.36	128	46748	4.358	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	23302	4.731	ug/L	98

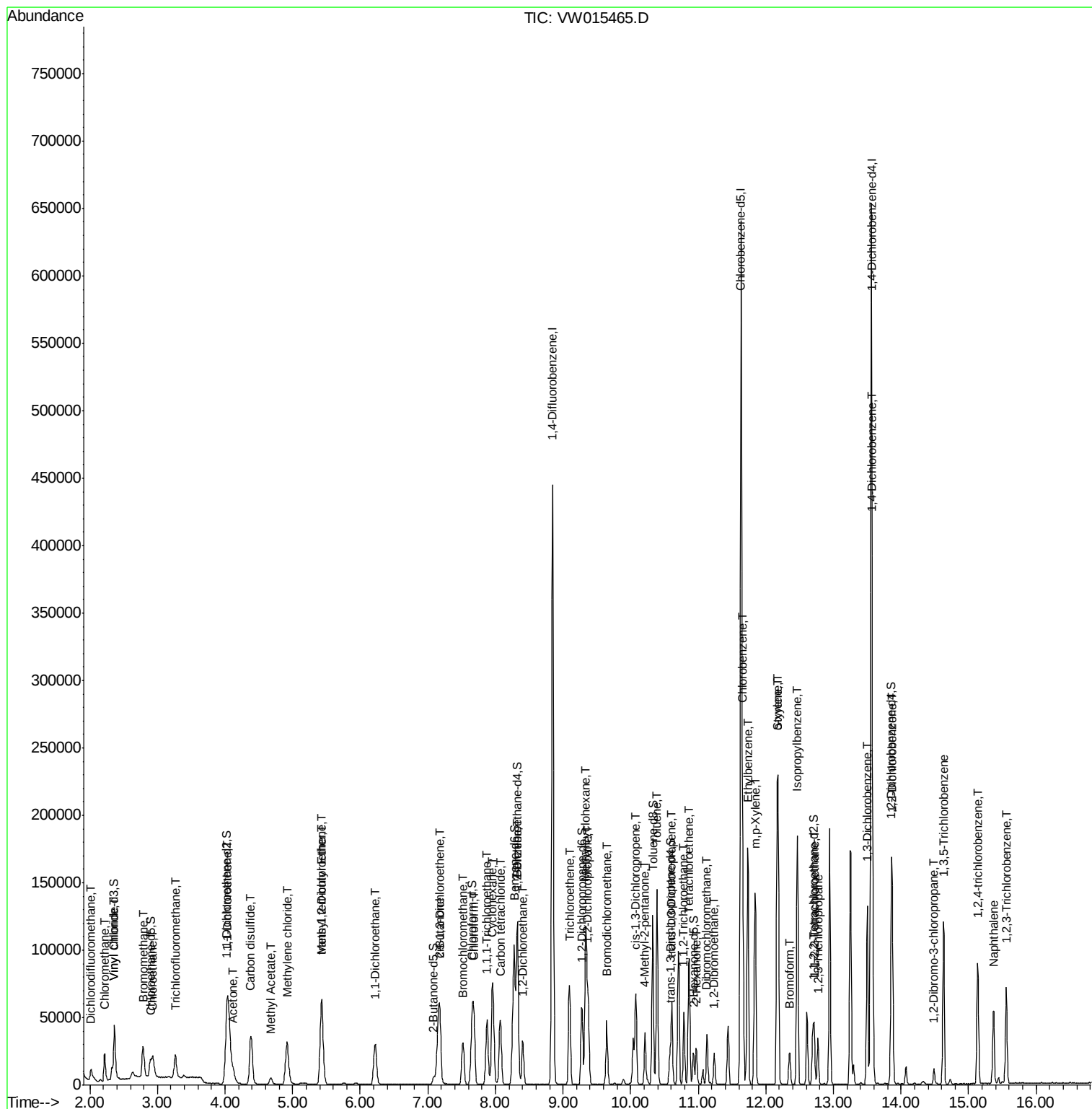
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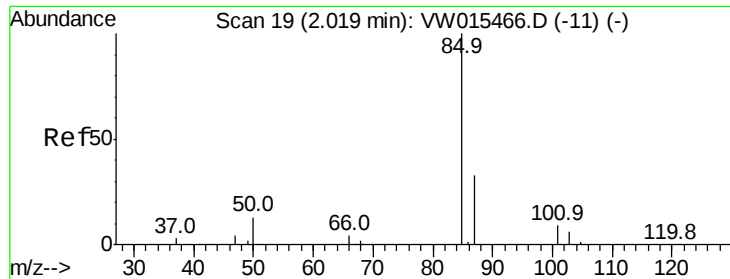
Data File : VW015465.D

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Acq On      : 26 May 2020   10:30
Operator    : SY/VA
Sample      : VSTD005
Misc       : 5.00G/10.0mL/MSVOA_W/SOIL
ALS Vial    : 3      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: May 26 11:59:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM052620S.M
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#2

Dichlorodifluoromethane

Concen: 4.666 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

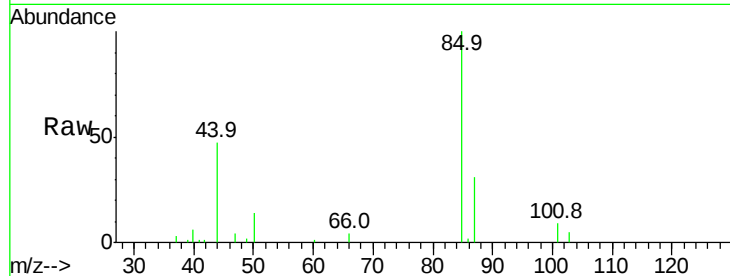
VSTD00504

Tgt Ion: 85 Resp: 15138

Ion Ratio Lower Upper

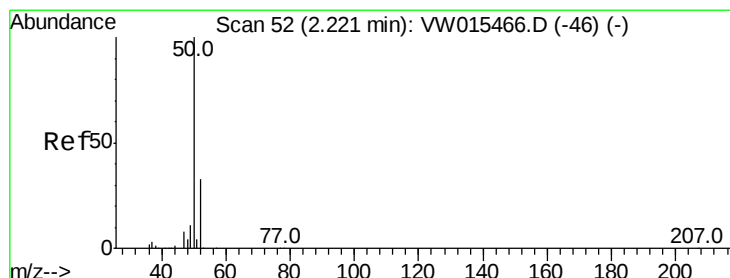
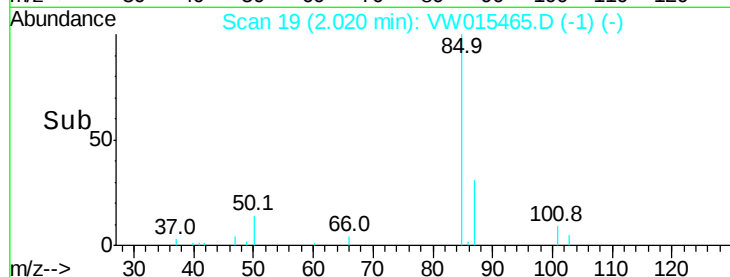
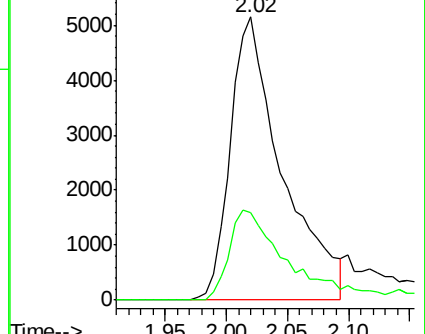
85 100

87 33.2 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.300 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015465.D

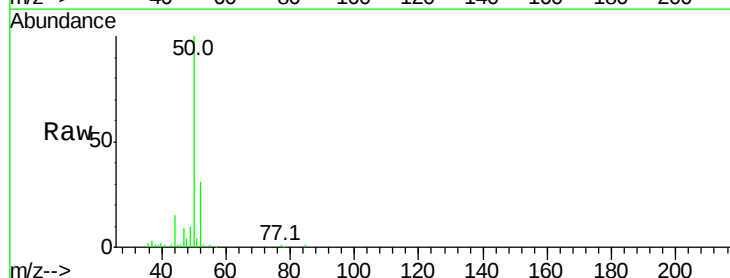
Acq: 26 May 2020 10:30

Tgt Ion: 50 Resp: 18398

Ion Ratio Lower Upper

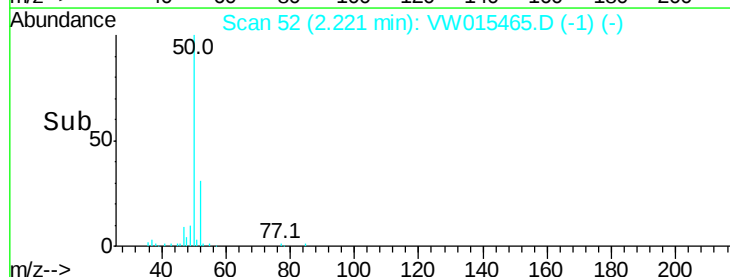
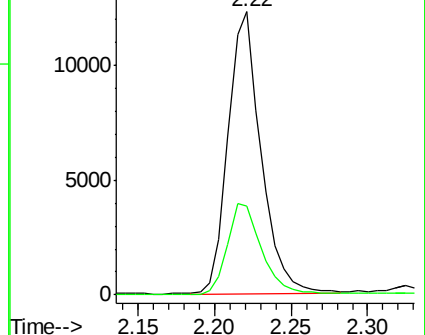
50 100

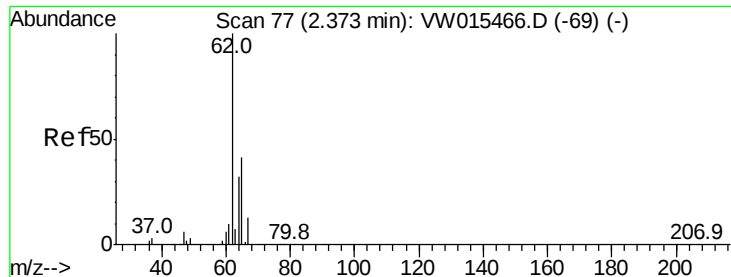
52 31.5 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.313 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

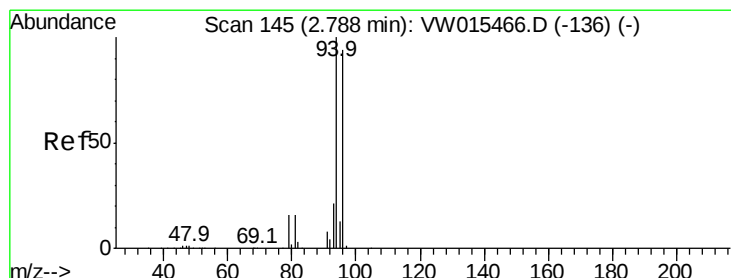
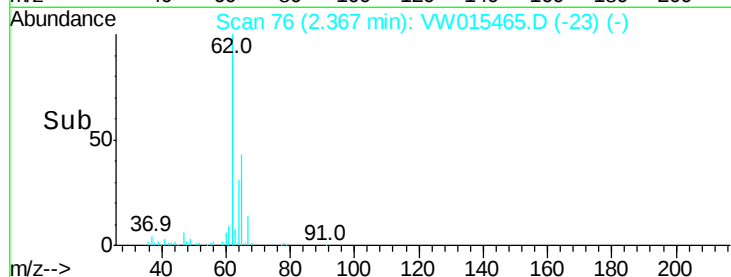
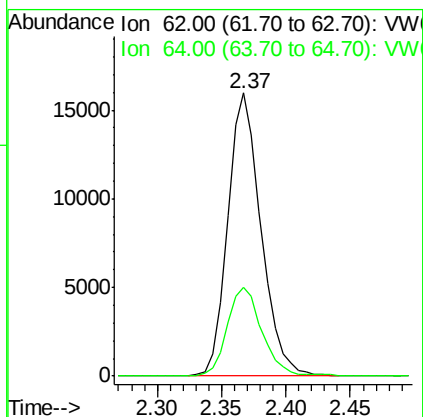
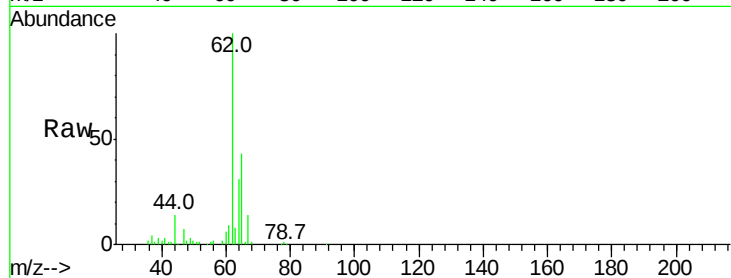
VSTD00504

Tgt Ion: 62 Resp: 28658

Ion Ratio Lower Upper

62 100

64 31.2 22.6 42.0



#6

Bromomethane

Concen: 5.080 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015465.D

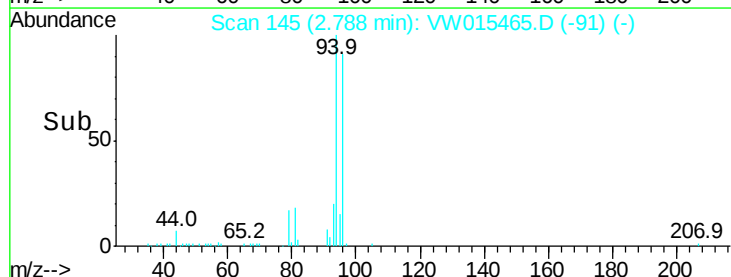
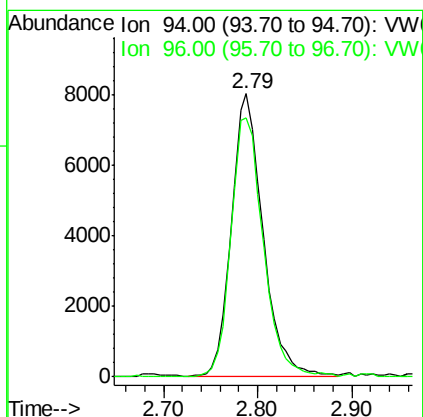
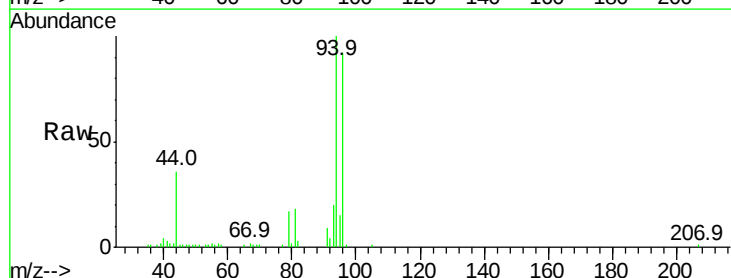
Acq: 26 May 2020 10:30

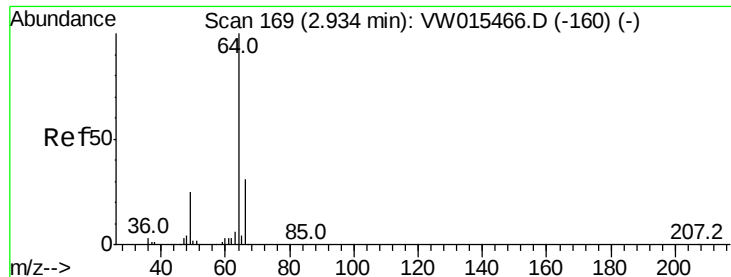
Tgt Ion: 94 Resp: 18852

Ion Ratio Lower Upper

94 100

96 93.8 9.3 177.5





#8

Chloroethane

Concen: 4.639 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

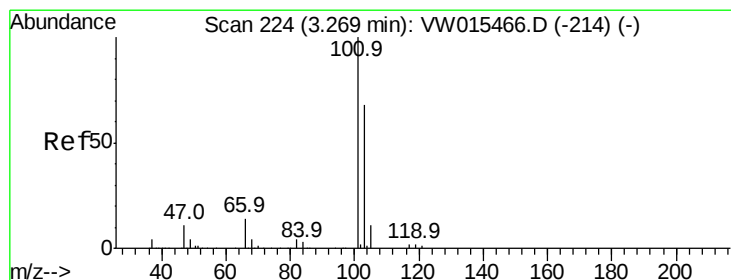
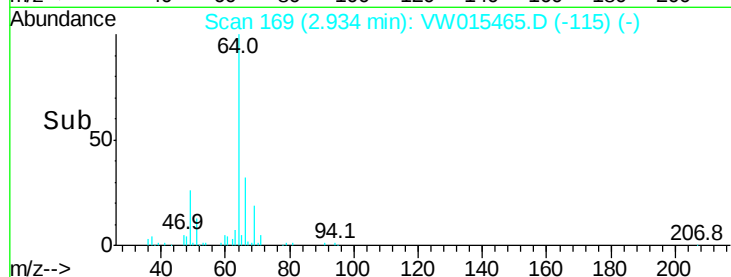
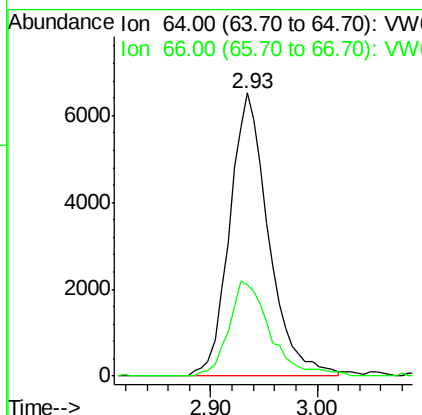
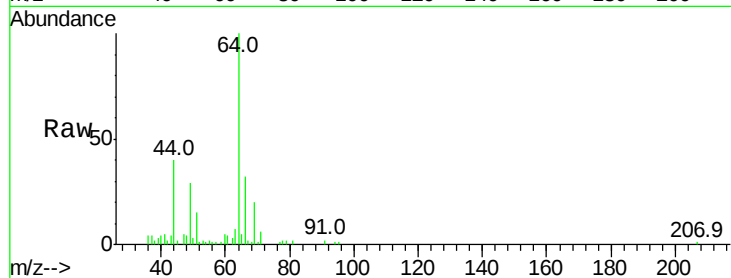
VSTD00504

Tgt Ion: 64 Resp: 16725

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 4.717 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW015465.D

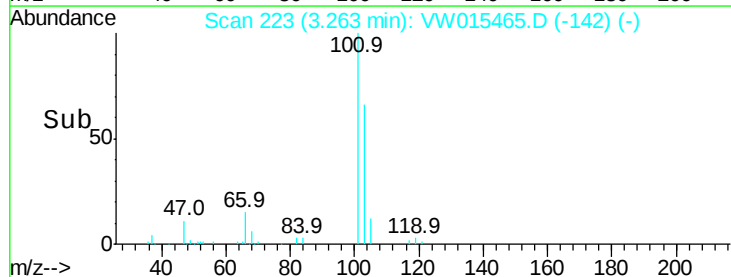
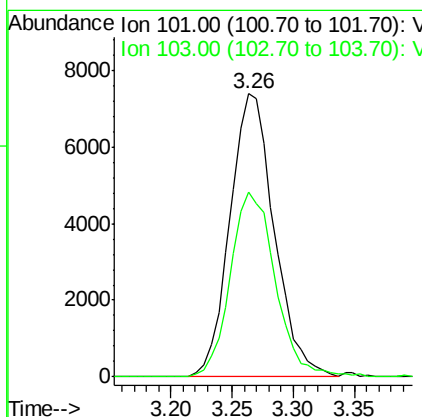
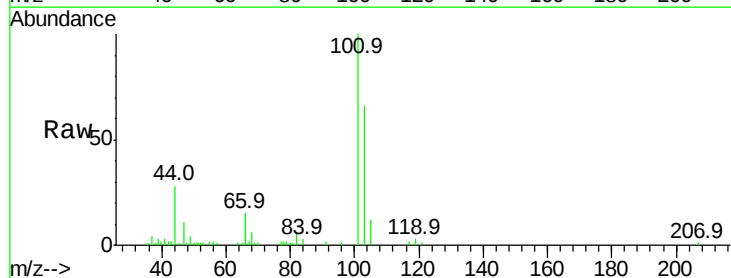
Acq: 26 May 2020 10:30

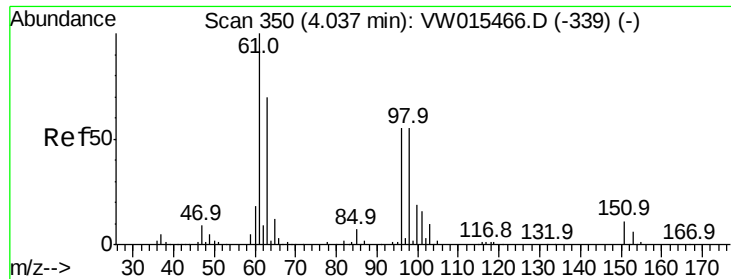
Tgt Ion: 101 Resp: 18548

Ion Ratio Lower Upper

101 100

103 66.2 46.6 86.6





#12

1,1-Dichloroethene

Concen: 5.182 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

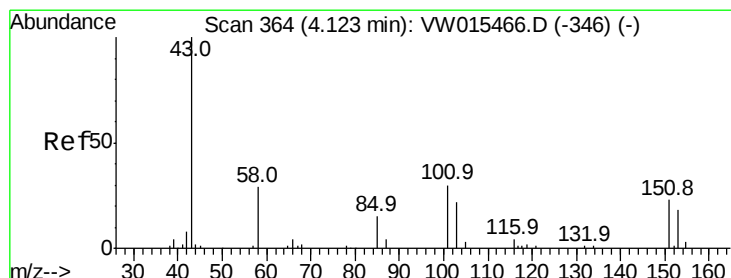
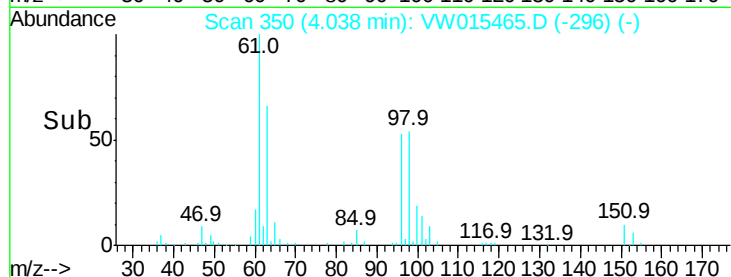
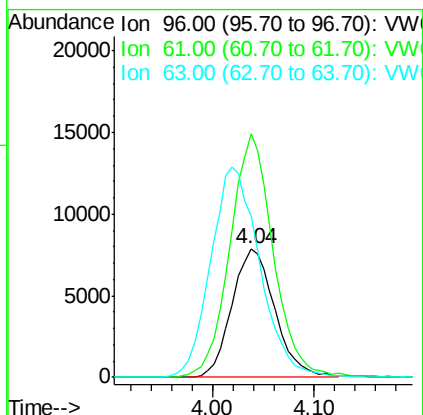
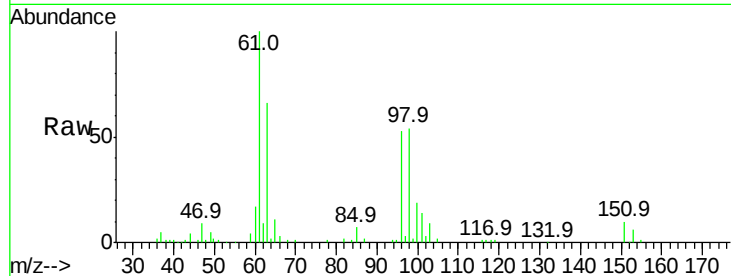
Tgt Ion: 96 Resp: 22979

Ion Ratio Lower Upper

96 100

61 189.6 127.7 237.1

63 125.6 92.3 171.5



#13

Acetone

Concen: 8.686 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015465.D

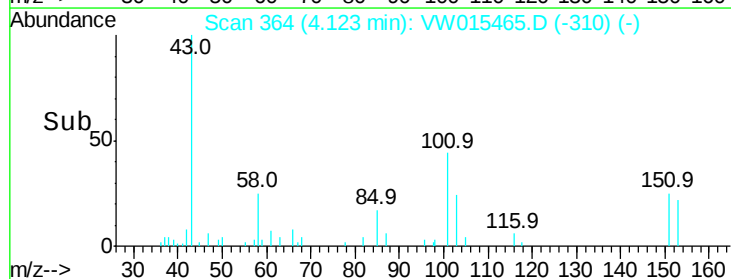
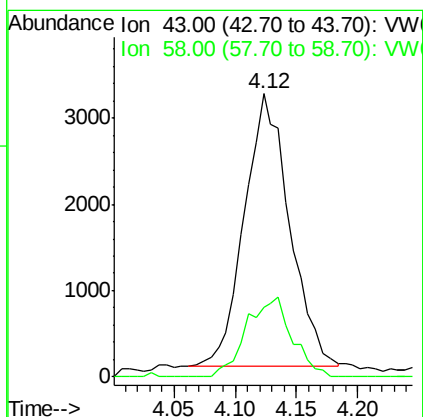
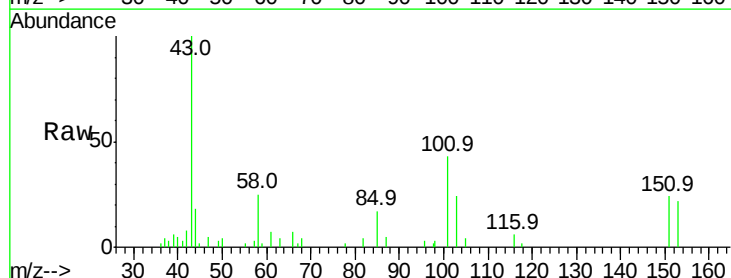
Acq: 26 May 2020 10:30

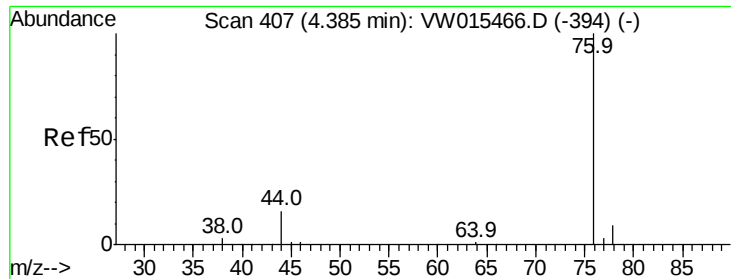
Tgt Ion: 43 Resp: 8126

Ion Ratio Lower Upper

43 100

58 29.5 0.0 56.8





#14

Carbon disulfide

Concen: 5.688 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

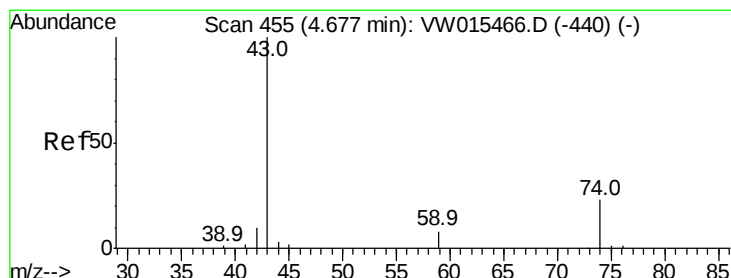
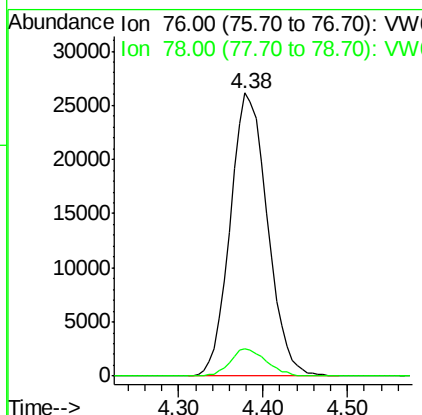
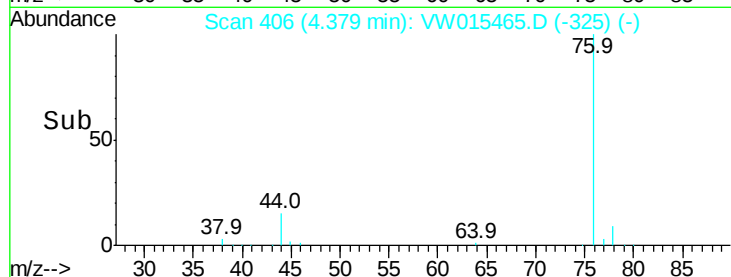
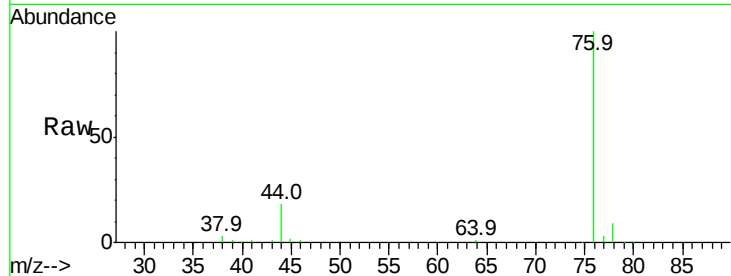
VSTD00504

Tgt Ion: 76 Resp: 78340

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



#15

Methyl Acetate

Concen: 1.932 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015465.D

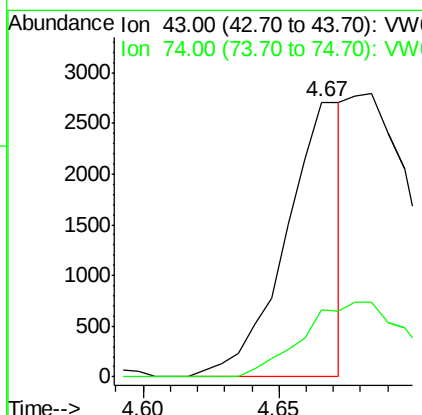
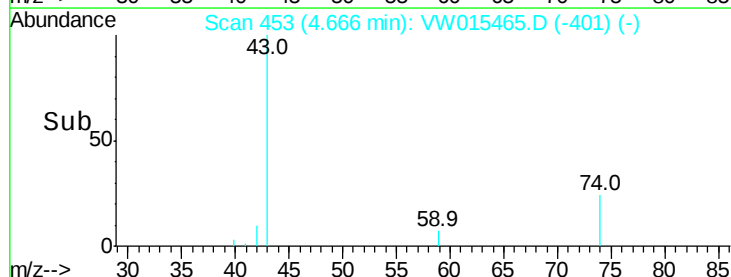
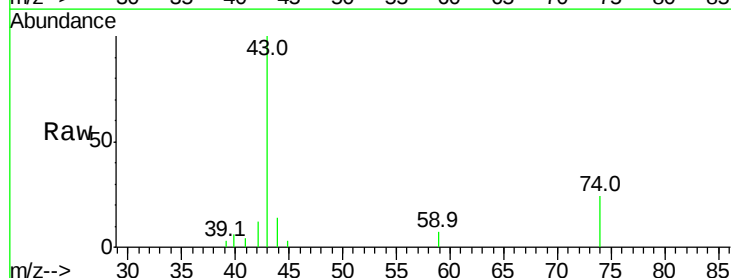
Acq: 26 May 2020 10:30

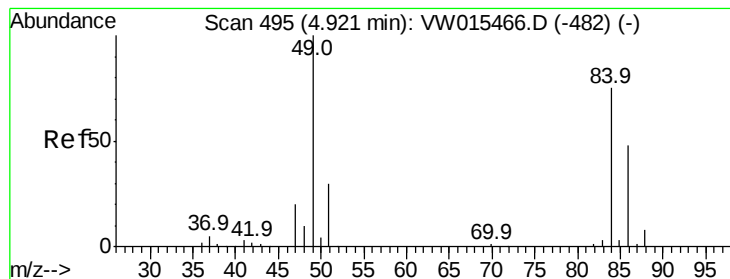
Tgt Ion: 43 Resp: 3953

Ion Ratio Lower Upper

43 100

74 51.3 18.2 27.2#





#16

Methylene chloride

Concen: 4.486 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

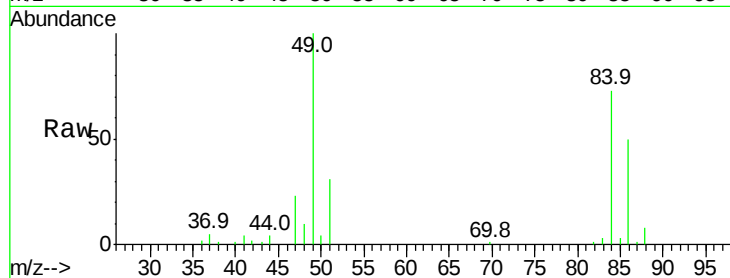
Tgt Ion: 84 Resp: 23748

Ion Ratio Lower Upper

84 100

49 137.4 93.0 172.8

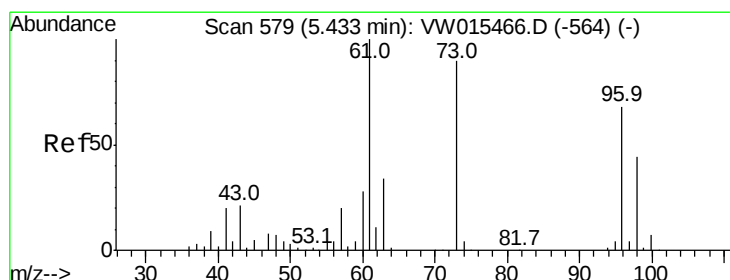
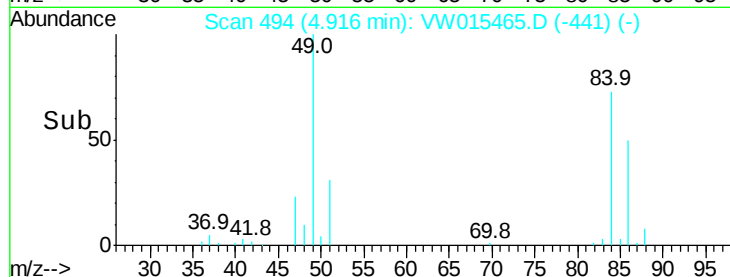
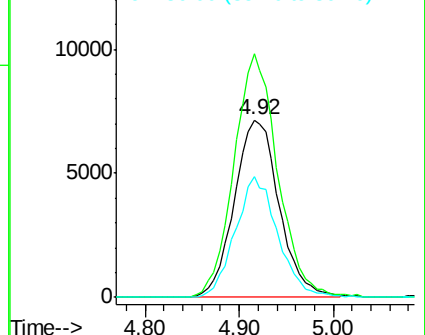
86 68.4 44.7 83.1



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 5.060 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

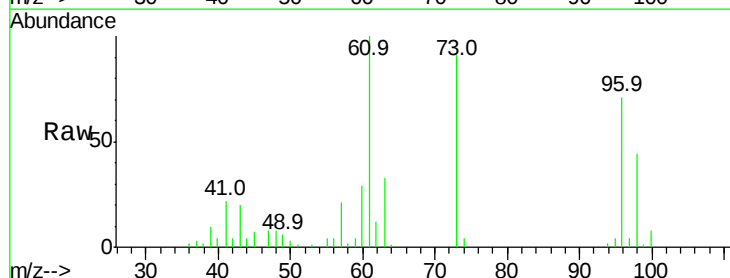
Tgt Ion: 73 Resp: 36475

Ion Ratio Lower Upper

73 100

43 14.4 19.6 29.4#

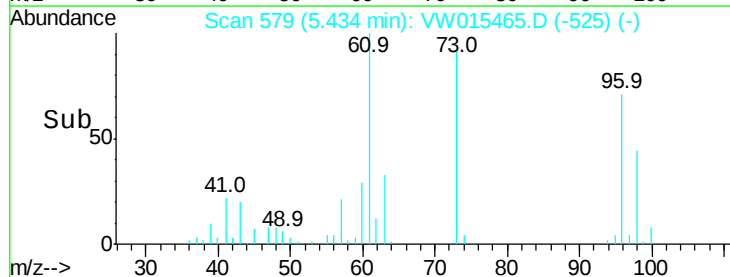
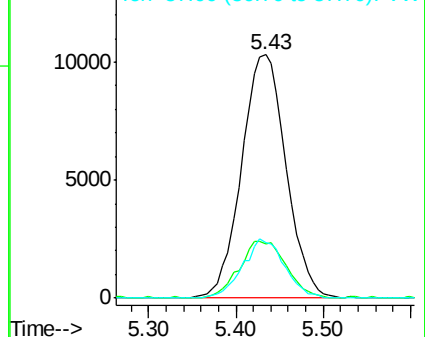
57 22.6 17.7 26.5

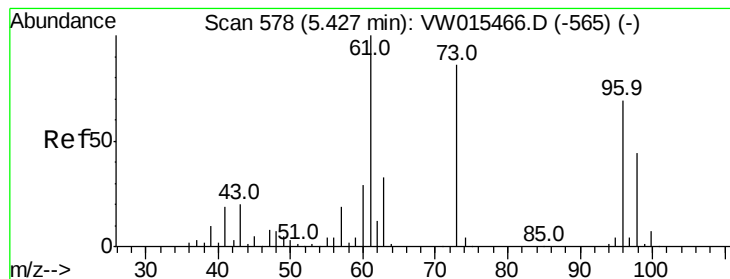


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#18

trans-1,2-Dichloroethene

Concen: 5.183 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

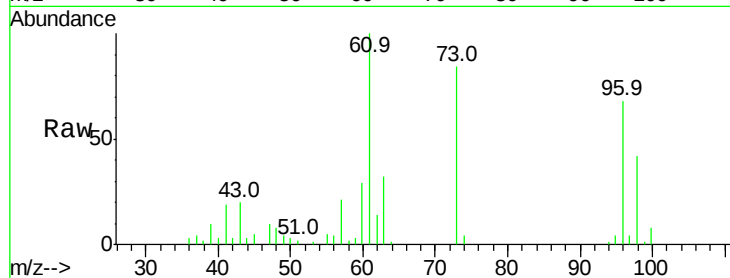
Tgt Ion: 96 Resp: 24769

Ion Ratio Lower Upper

96 100

61 147.8 101.9 189.3

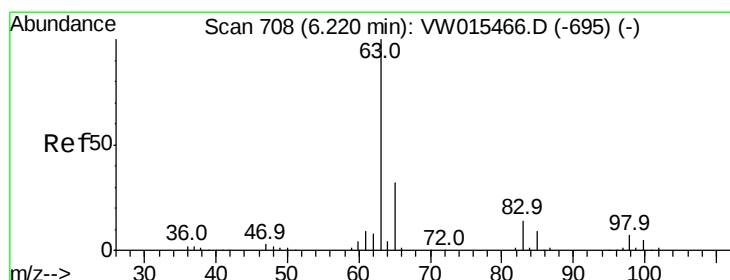
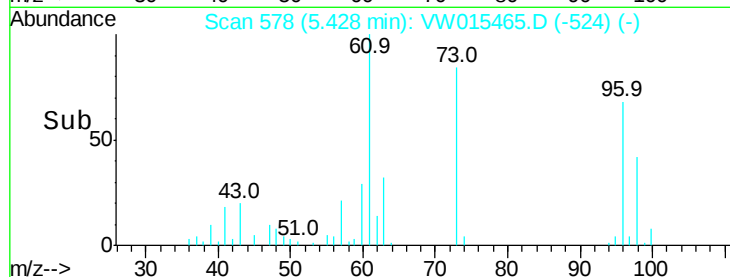
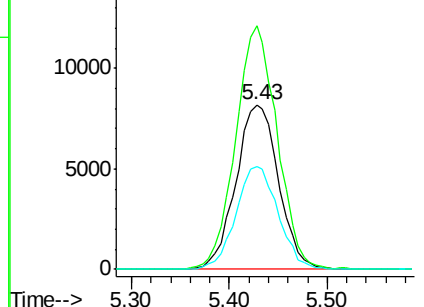
98 62.7 44.9 83.5



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: 4.895 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

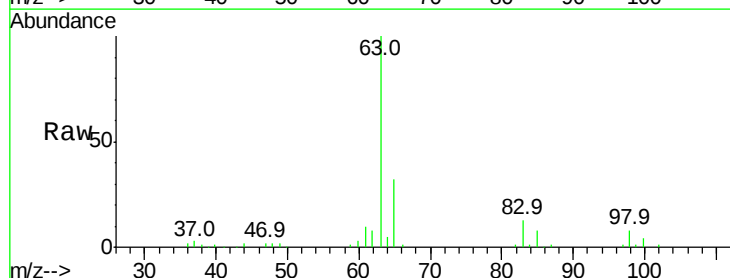
Tgt Ion: 63 Resp: 44055

Ion Ratio Lower Upper

63 100

65 32.2 22.1 41.1

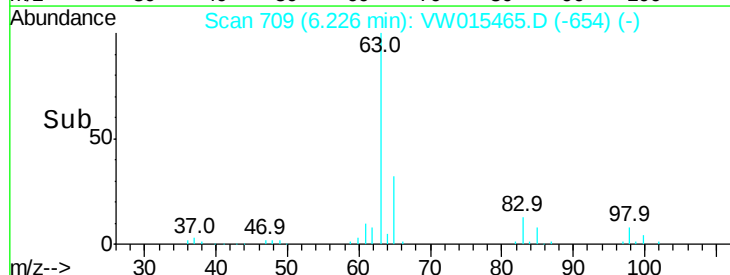
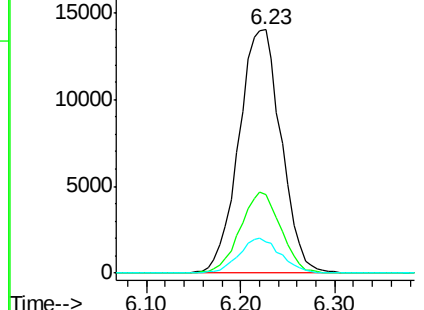
83 12.8 9.7 17.9

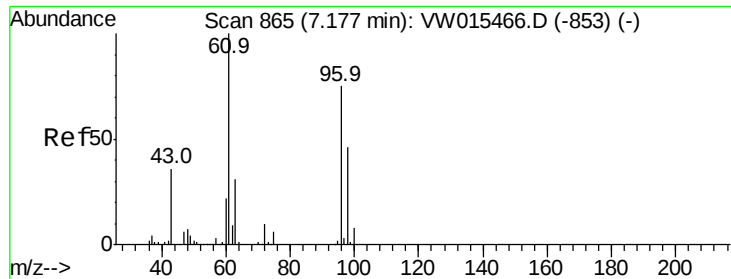


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 9.257 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

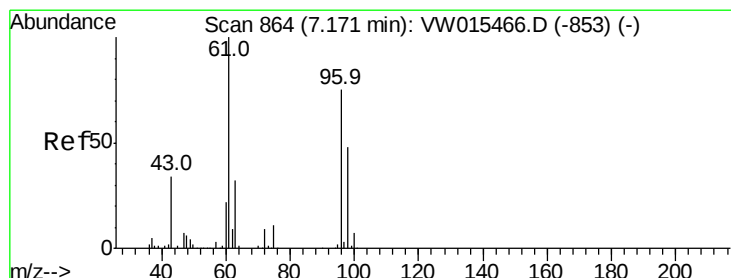
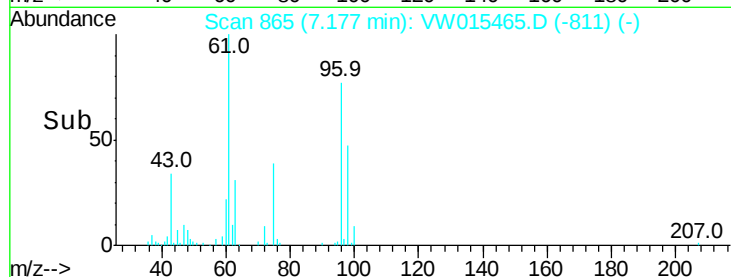
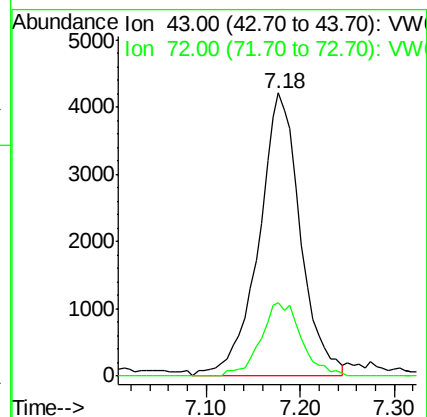
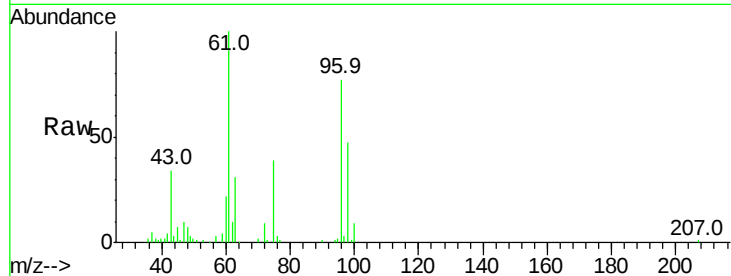
VSTD00504

Tgt Ion: 43 Resp: 13020

Ion Ratio Lower Upper

43 100

72 13.2 13.3 39.9#



#22

cis-1,2-Dichloroethene

Concen: 4.872 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

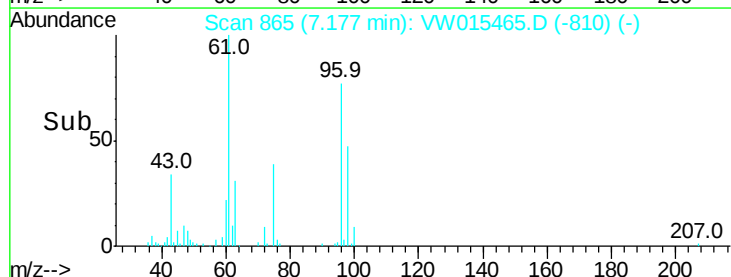
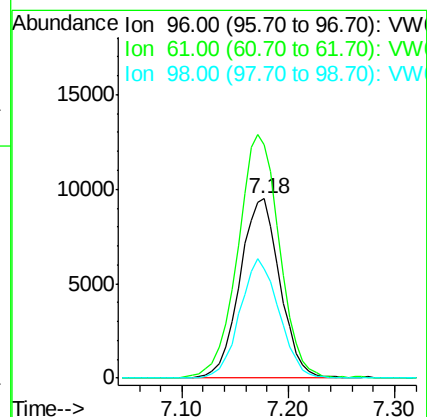
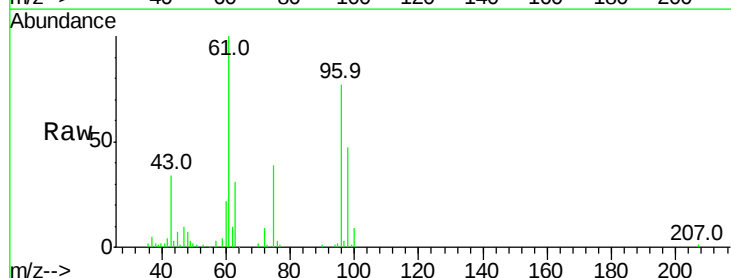
Tgt Ion: 96 Resp: 25092

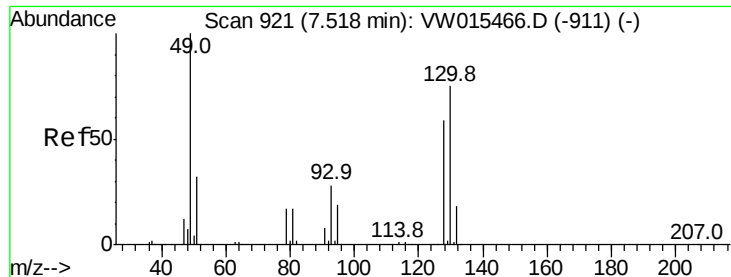
Ion Ratio Lower Upper

96 100

61 130.3 93.7 173.9

98 61.0 45.1 83.9





#23

Bromochloromethane

Concen: 5.011 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion:128 Resp: 10756

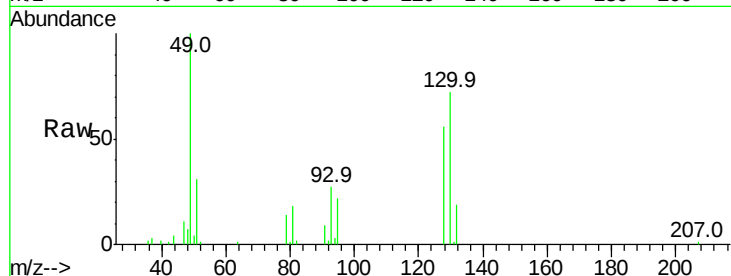
Ion Ratio Lower Upper

128 100

49 177.9 118.1 219.3

130 127.3 88.5 164.3

51 55.1 42.8 64.2

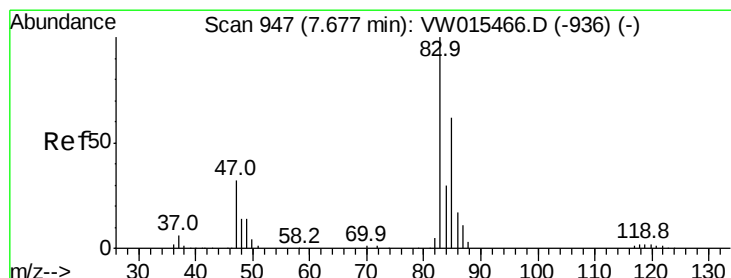
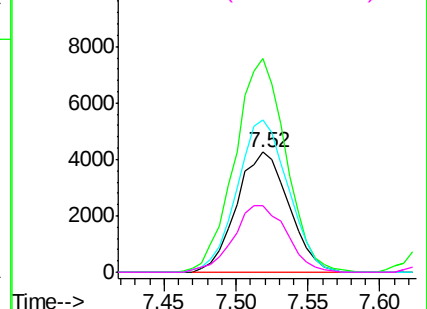
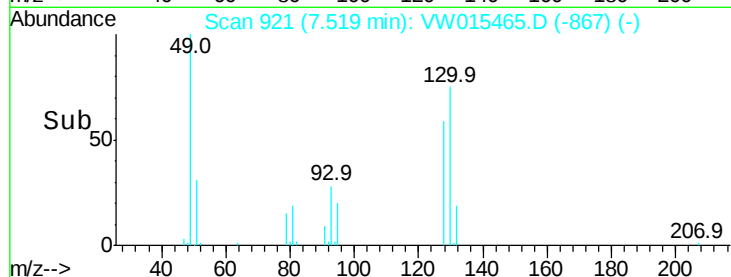


Abundance Ion 128.00 (127.70 to 128.70): V

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: 5.016 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW015465.D

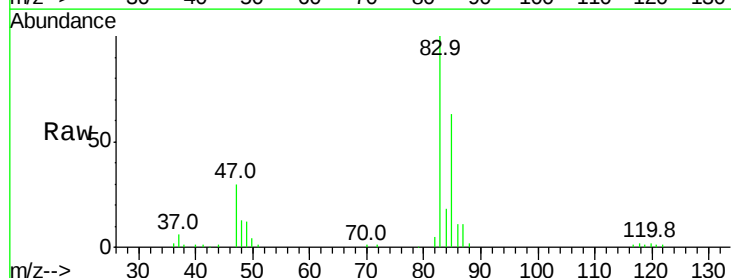
Acq: 26 May 2020 10:30

Tgt Ion: 83 Resp: 44631

Ion Ratio Lower Upper

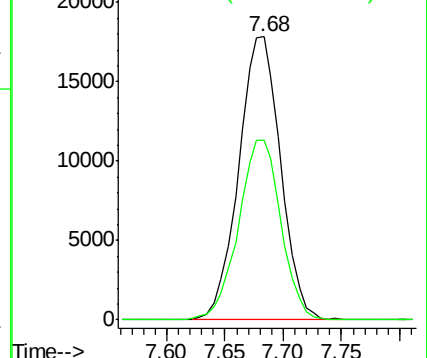
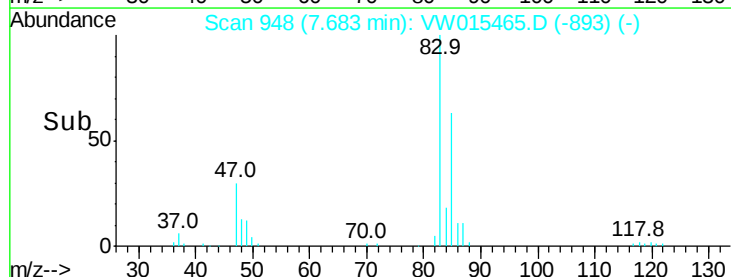
83 100

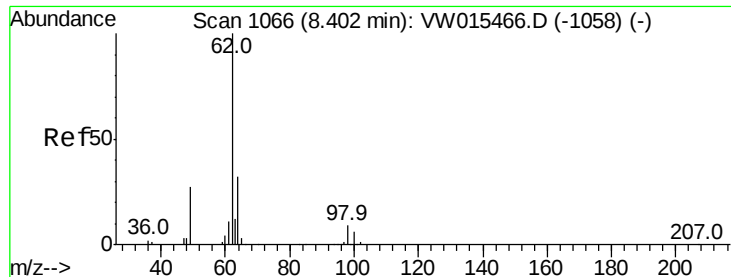
85 64.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 4.880 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

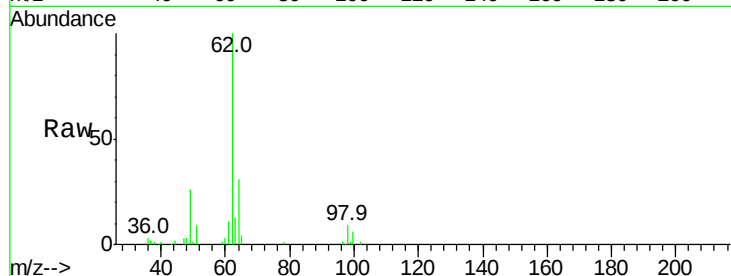
VSTD00504

Tgt Ion: 62 Resp: 29546

Ion Ratio Lower Upper

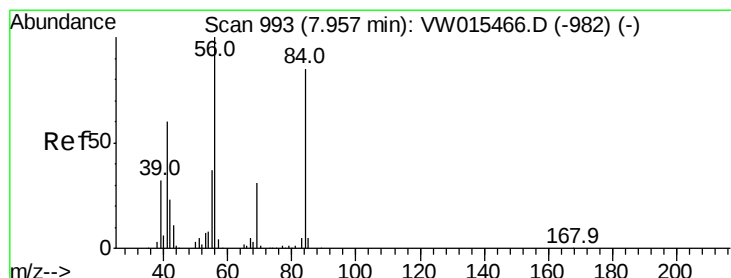
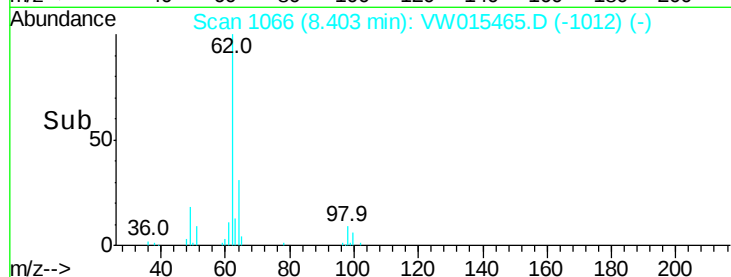
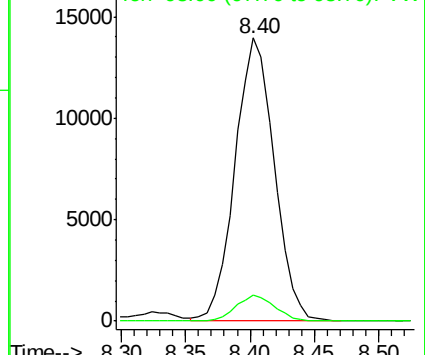
62 100

98 9.1 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



#30

Cyclohexane

Concen: 4.923 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

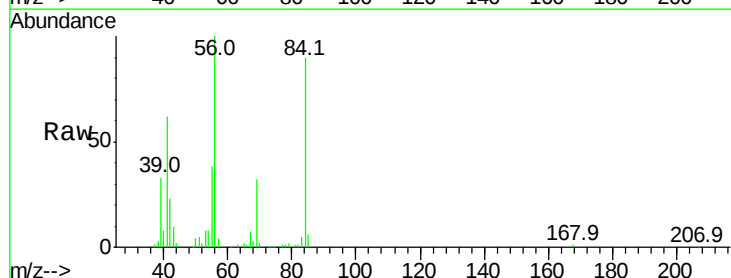
Tgt Ion: 56 Resp: 42781

Ion Ratio Lower Upper

56 100

69 31.2 24.6 37.0

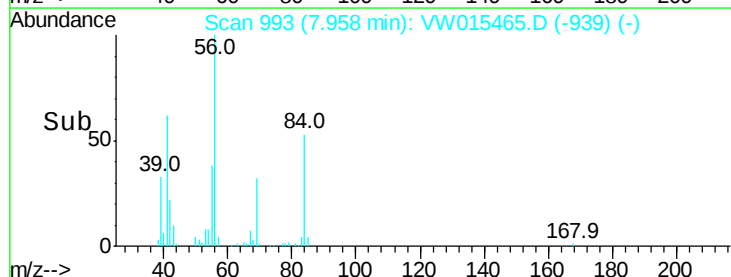
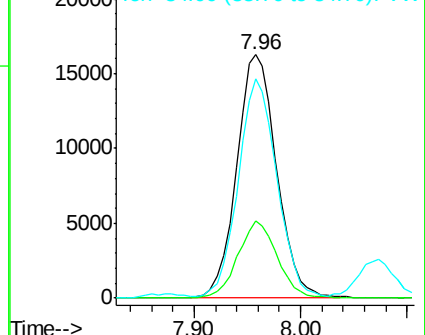
84 87.8 69.6 104.4

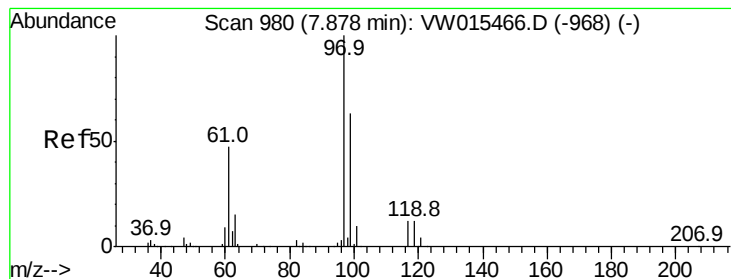


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#31

1,1,1-Trichloroethane

Concen: 5.280 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

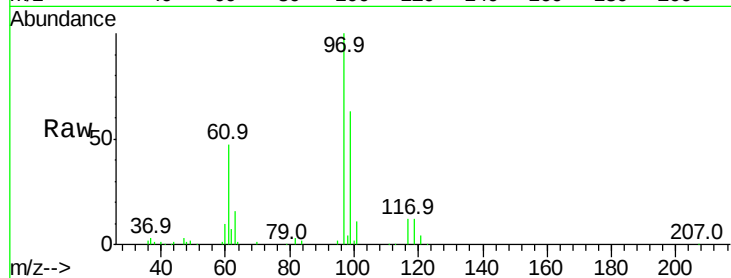
Tgt Ion: 97 Resp: 39365

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.0

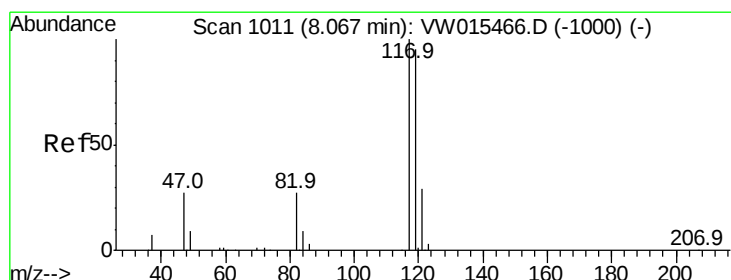
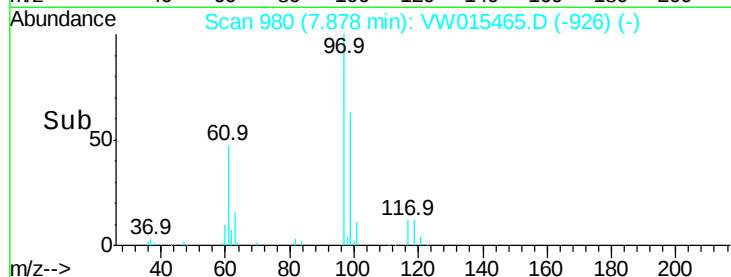
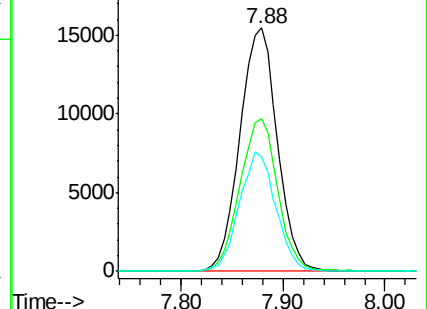
61 47.7 38.1 57.1



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: 5.224 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015465.D

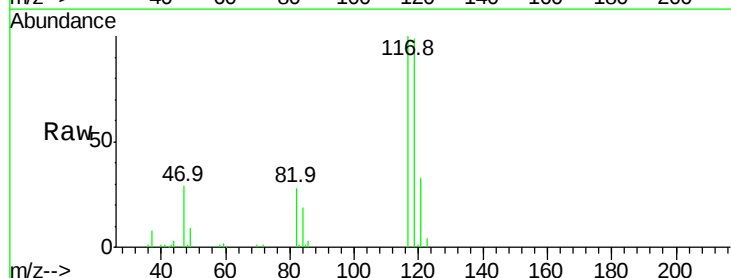
Acq: 26 May 2020 10:30

Tgt Ion: 117 Resp: 35444

Ion Ratio Lower Upper

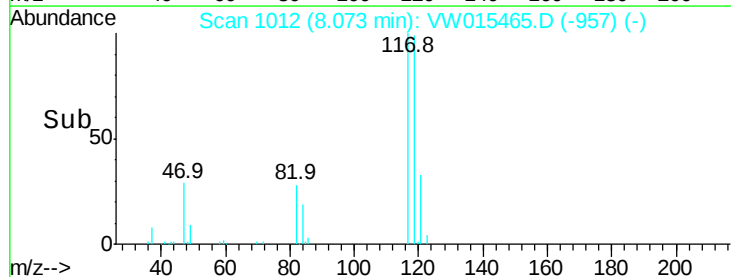
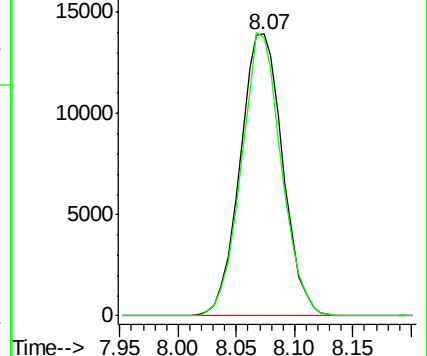
117 100

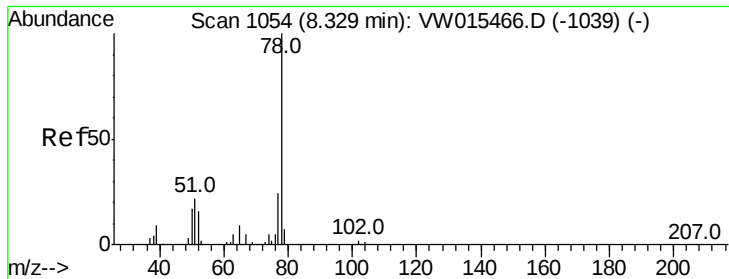
119 94.5 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 5.064 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

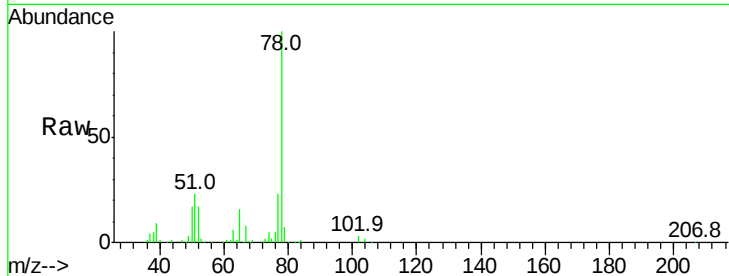
Instrument :

MSVOA_W

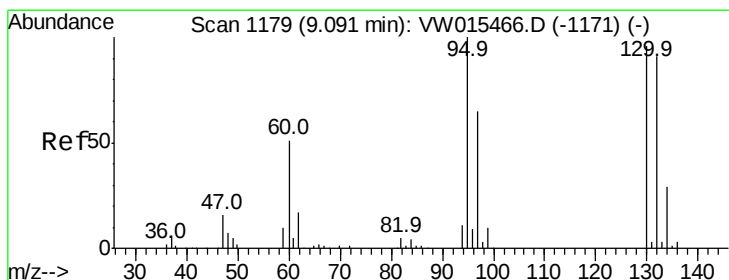
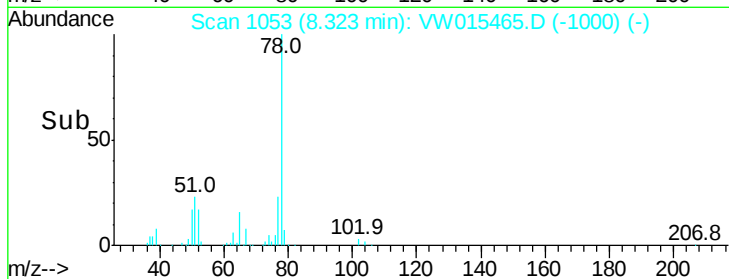
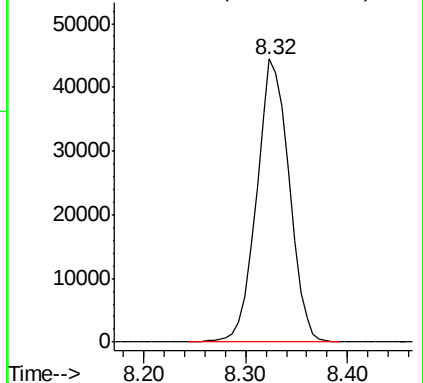
ClientSampleId :

VSTD00504

Tgt Ion: 78 Resp: 98418



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.084 ug/L

RT: 9.10 min Scan# 1180

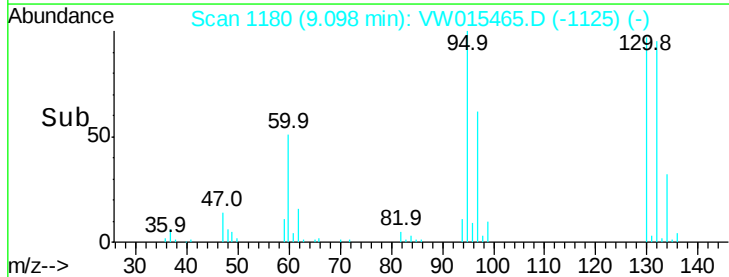
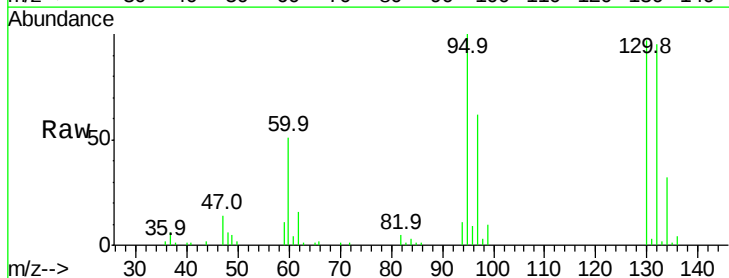
Delta R.T. 0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Tgt Ion: 95 Resp: 26477

Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.4	84.2
132	92.9	67.1	124.7
130	95.7	69.4	128.8

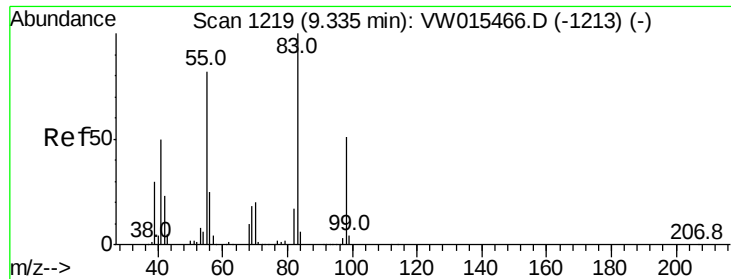


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

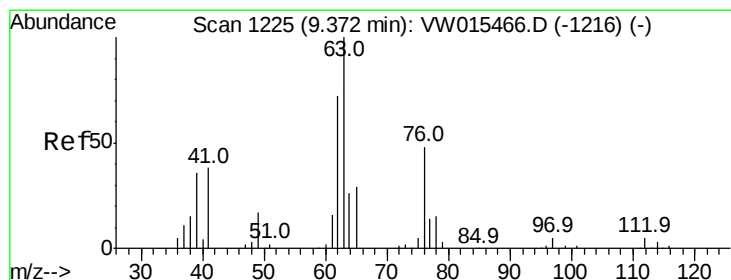
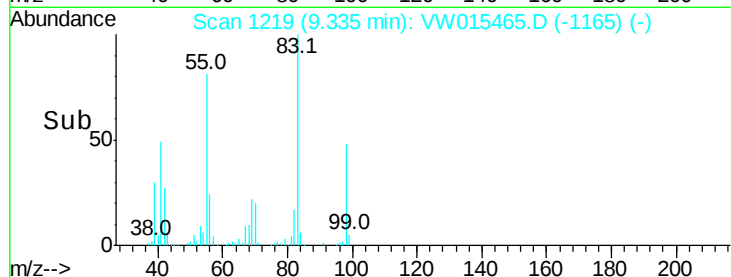
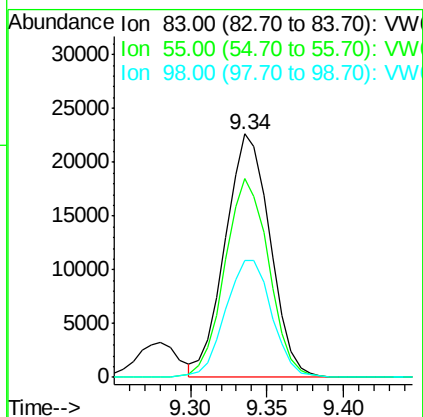
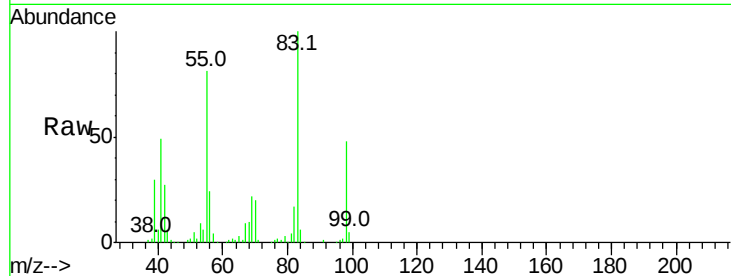
Ion 130.00 (129.70 to 130.70): V



#36
Methylcyclohexane
Concen: 4.990 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015465.D
Acq: 26 May 2020 10:30

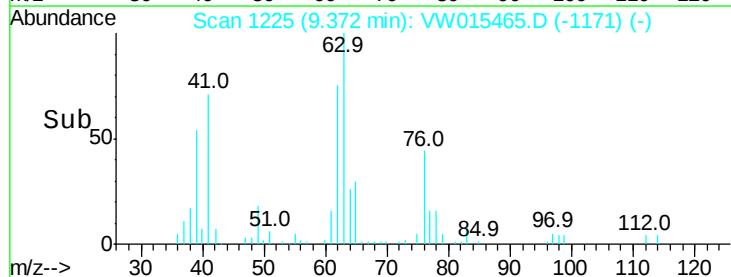
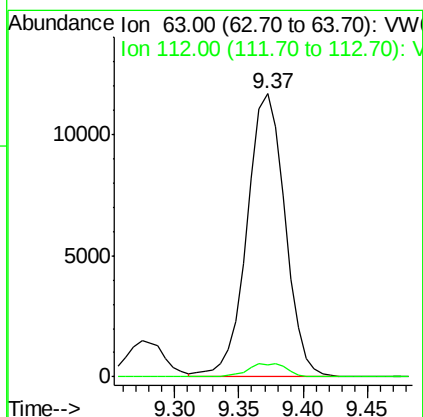
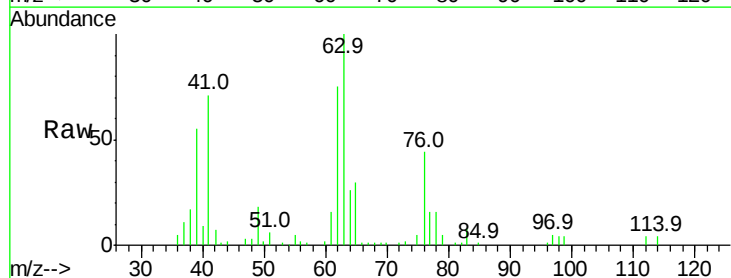
Instrument :
MSVOA_W
ClientSampled :
VSTD00504

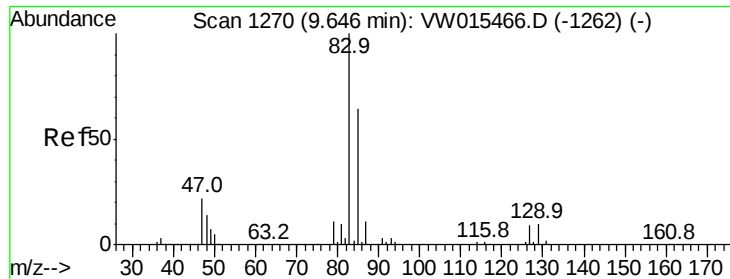
Tgt Ion: 83 Resp: 46148
Ion Ratio Lower Upper
83 100
55 79.8 62.8 94.2
98 49.6 39.2 58.8



#40
1,2-Dichloropropane
Concen: 4.929 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW015465.D
Acq: 26 May 2020 10:30

Tgt Ion: 63 Resp: 23942
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.8





#41

Bromodichloromethane

Concen: 4.869 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

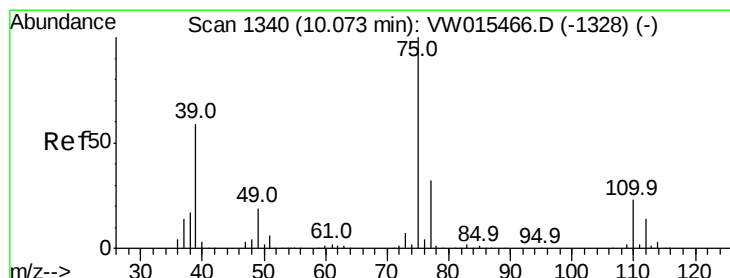
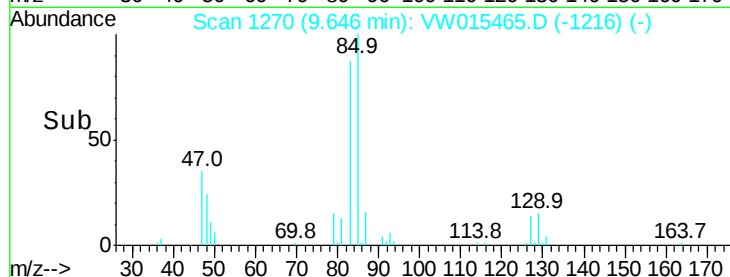
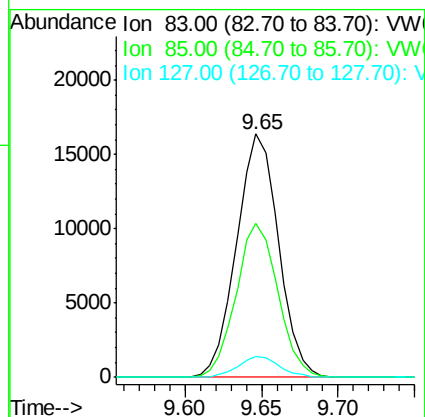
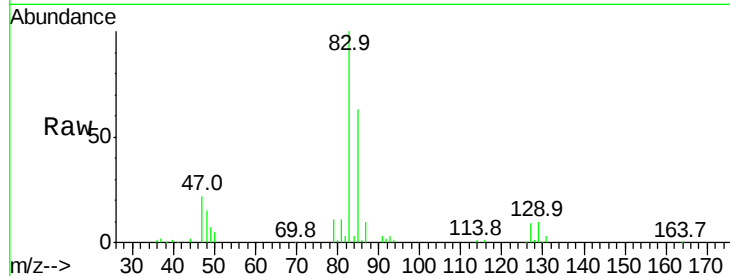
Tgt Ion: 83 Resp: 31217

Ion Ratio Lower Upper

83 100

85 63.0 44.8 83.2

127 8.7 7.0 10.6



#42

cis-1,3-Dichloropropene

Concen: 4.666 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015465.D

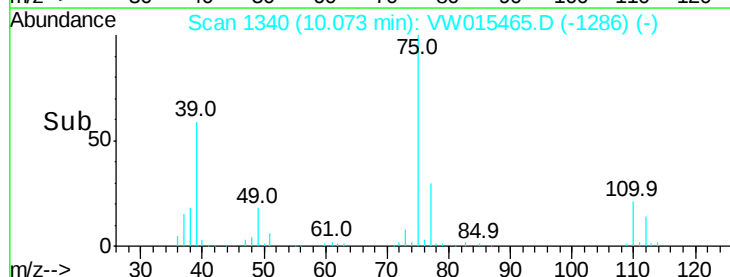
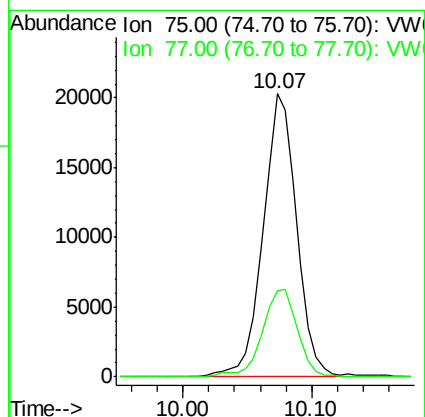
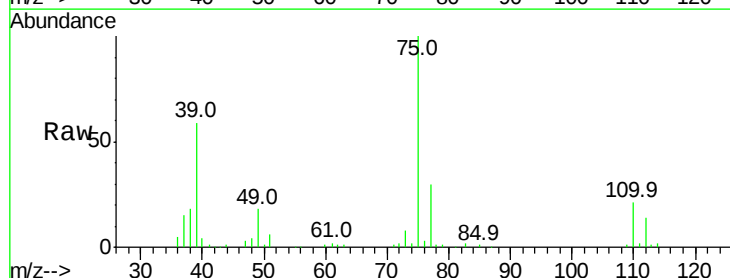
Acq: 26 May 2020 10:30

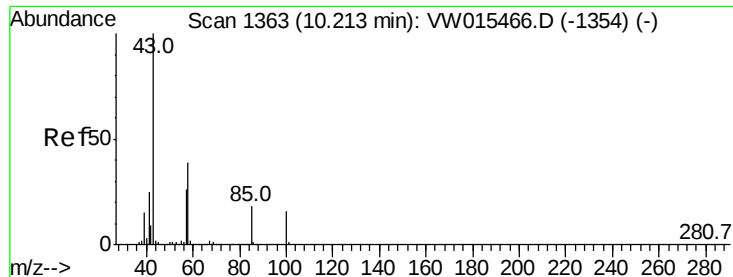
Tgt Ion: 75 Resp: 36595

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5

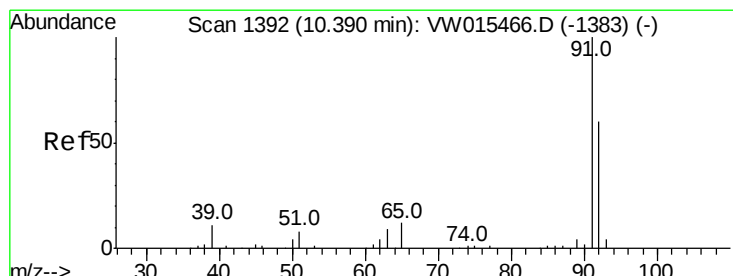
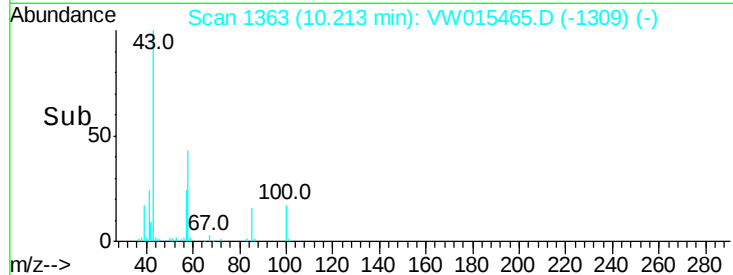
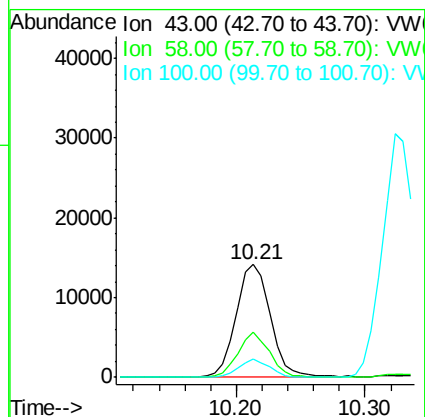
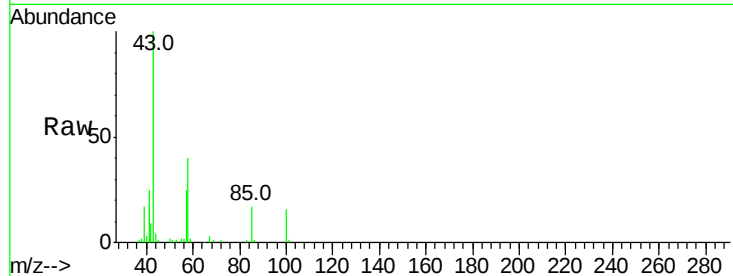




#43
4-Methyl-2-pentanone
Concen: 8.047 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015465.D
Acq: 26 May 2020 10:30

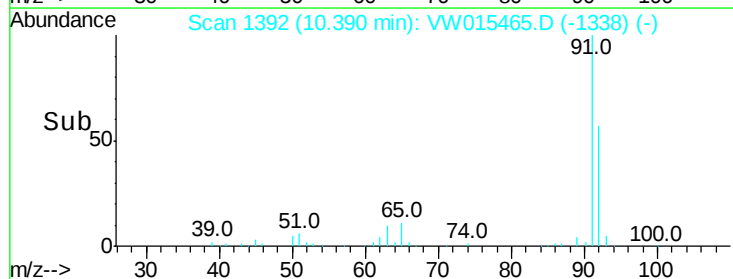
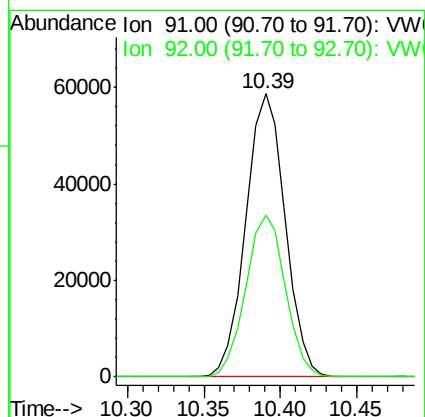
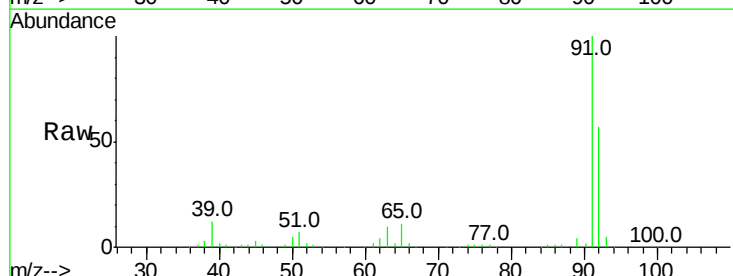
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

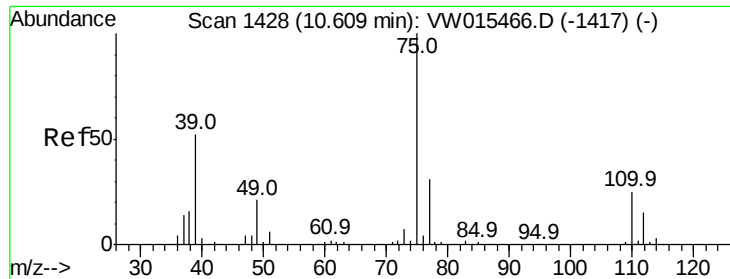
Tgt Ion: 43 Resp: 26185
Ion Ratio Lower Upper
43 100
58 36.8 30.6 46.0
100 14.3 12.5 18.7



#44
Toluene
Concen: 4.940 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015465.D
Acq: 26 May 2020 10:30

Tgt Ion: 91 Resp: 104923
Ion Ratio Lower Upper
91 100
92 57.1 41.7 77.5





#45

trans-1,3-Dichloropropene

Concen: 4.584 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

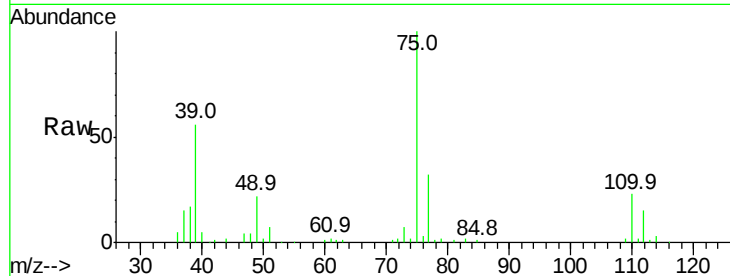
VSTD00504

Tgt Ion: 75 Resp: 31331

Ion Ratio Lower Upper

75 100

77 32.2 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

20000

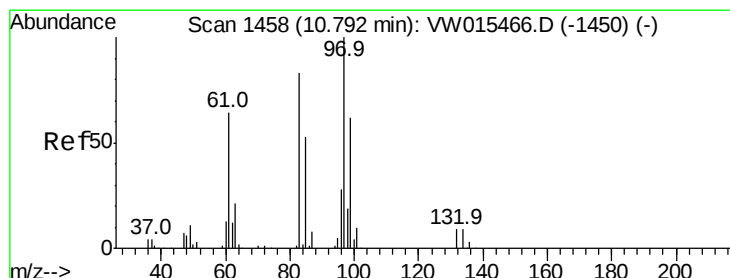
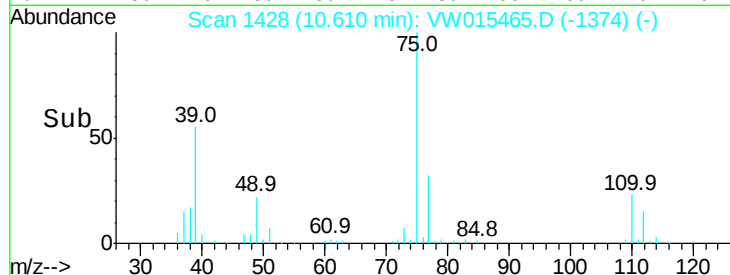
15000

10000

5000

0

Time--> 10.50 10.60 10.70



#46

1,1,2-Trichloroethane

Concen: 4.721 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Tgt Ion: 97 Resp: 16074

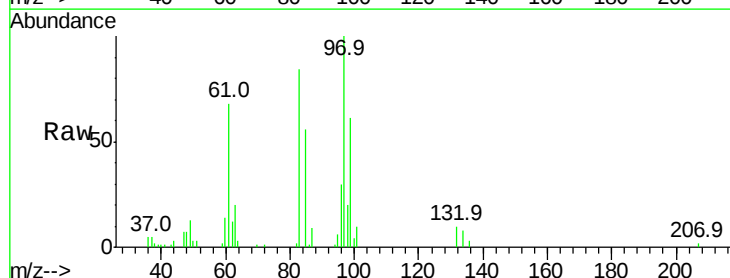
Ion Ratio Lower Upper

97 100

83 84.2 58.2 108.2

85 55.6 37.4 69.4

99 60.7 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

10.79

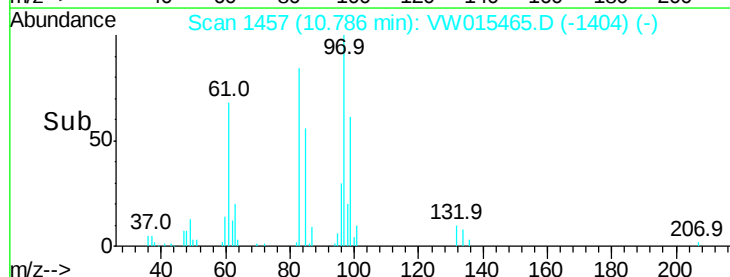
15000

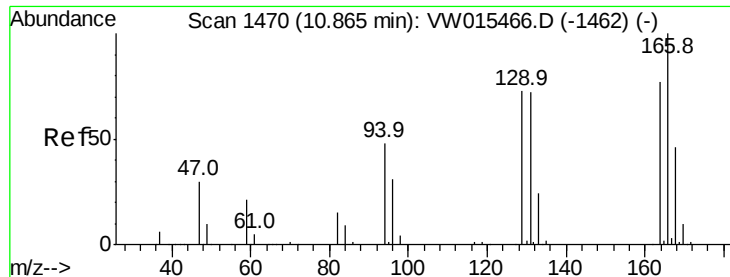
10000

5000

0

Time--> 10.75 10.80 10.85





#47

Tetrachloroethene

Concen: 5.209 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015465.D

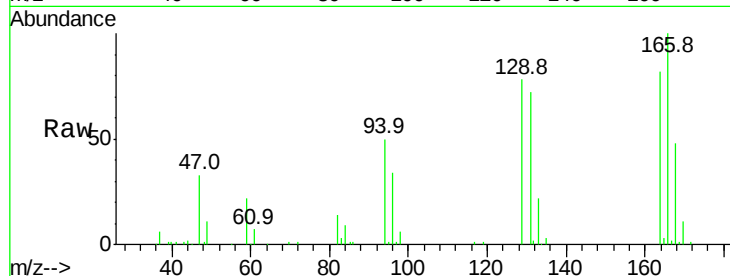
Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

VSTD00504



Tgt Ion:164 Resp: 20351

Ion Ratio Lower Upper

164 100

129 95.7 66.3 123.1

131 87.8 65.1 120.9

166 122.2 90.8 168.6

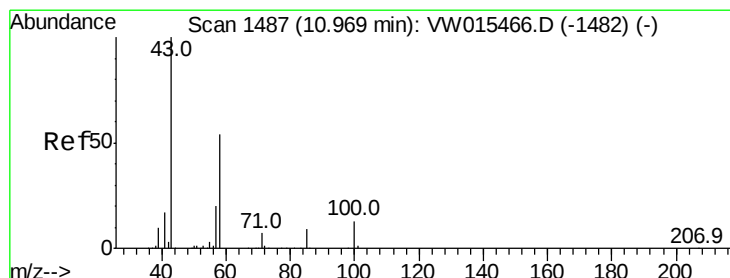
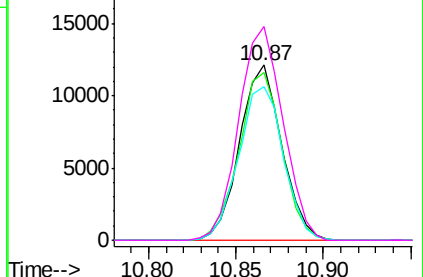
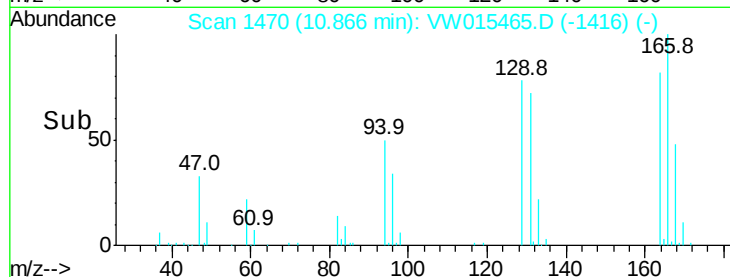
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 8.400 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Tgt Ion: 43 Resp: 17223

Ion Ratio Lower Upper

43 100

58 54.9 42.6 64.0

57 21.2 15.5 23.3

100 11.7 10.3 15.5

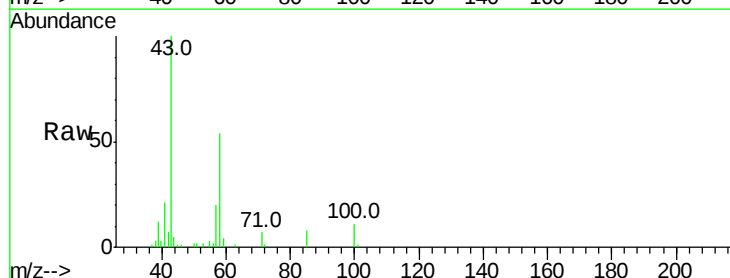
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

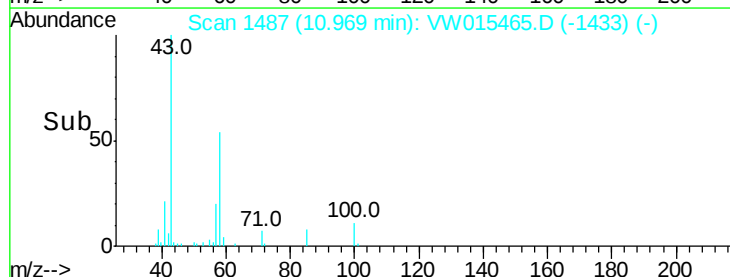
Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

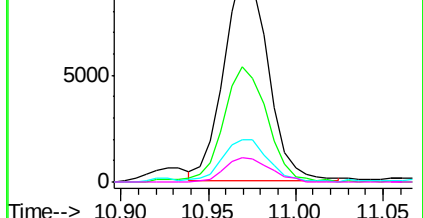
Time-->

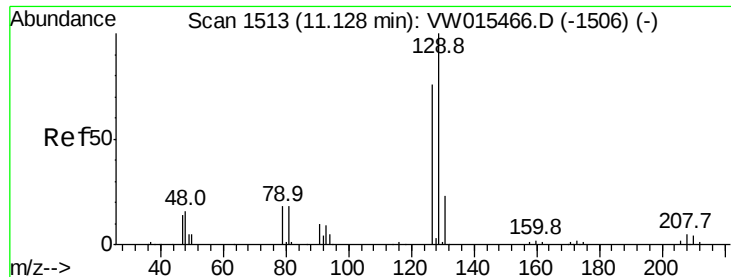


Abundance



Time-->





#50

Dibromochloromethane

Concen: 4.745 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

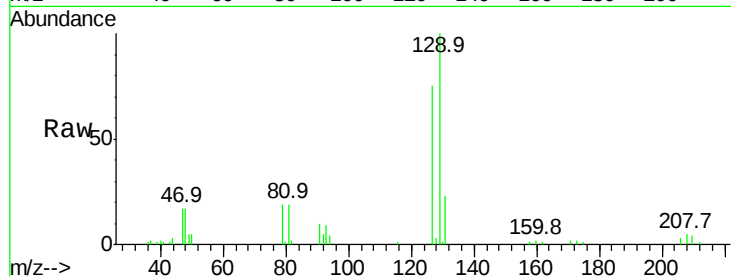
VSTD00504

Tgt Ion:129 Resp: 19546

Ion Ratio Lower Upper

129 100

127 74.7 53.0 98.4

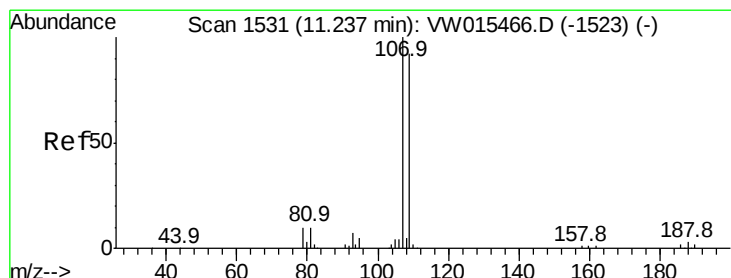
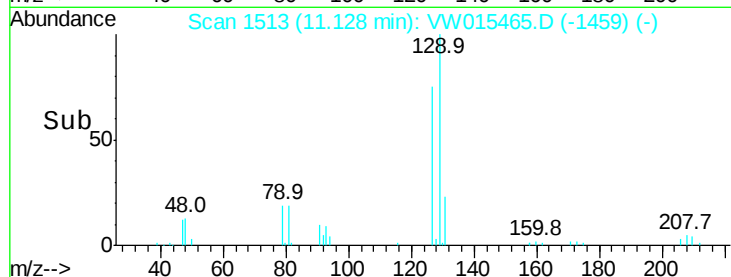


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

Time--> 11.05 11.10 11.15 11.20



#51

1,2-Dibromoethane

Concen: 4.707 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

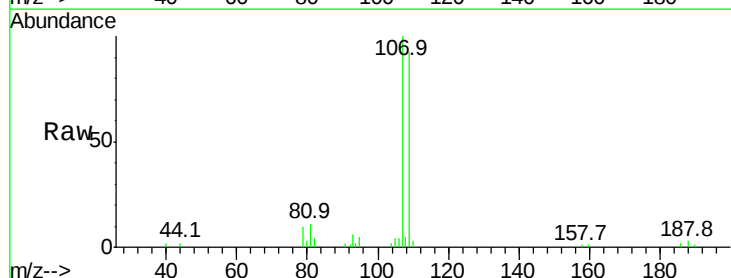
Tgt Ion:107 Resp: 15296

Ion Ratio Lower Upper

107 100

109 92.2 64.6 120.0

188 3.4 2.8 4.2



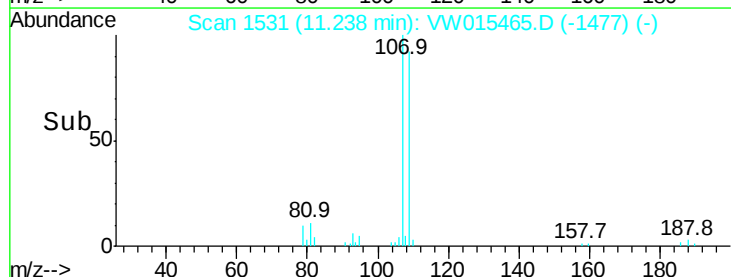
Abundance Ion 107.00 (106.70 to 107.70): V

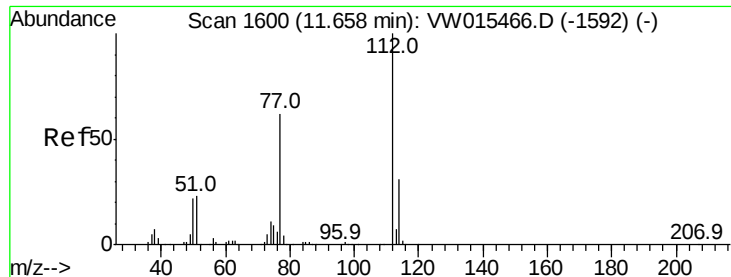
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.24

Time--> 11.15 11.20 11.25 11.30





#52

Chlorobenzene

Concen: 4.931 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

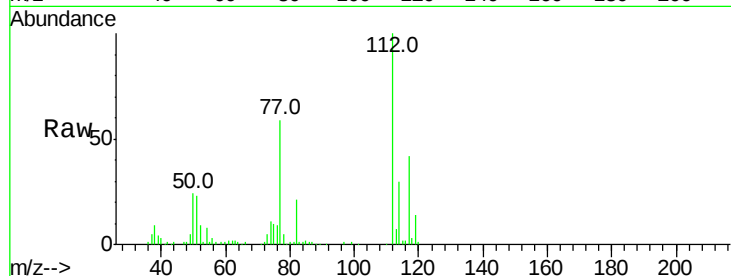
Tgt Ion:112 Resp: 66078

Ion Ratio Lower Upper

112 100

77 59.3 49.7 74.5

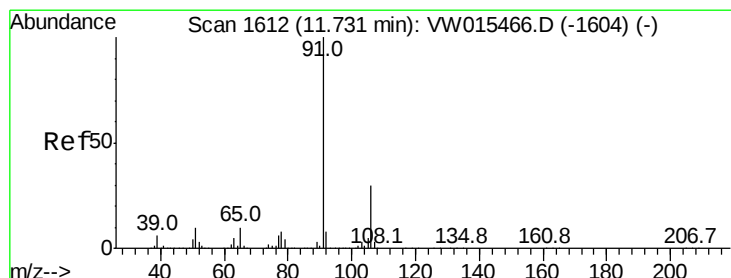
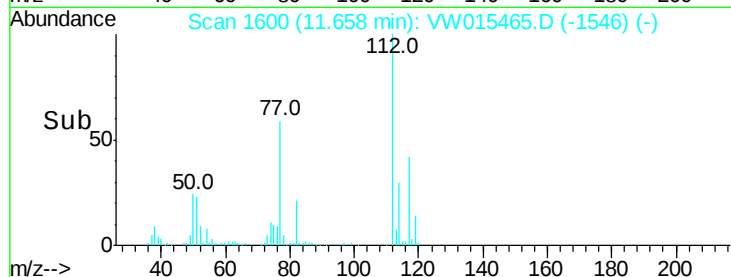
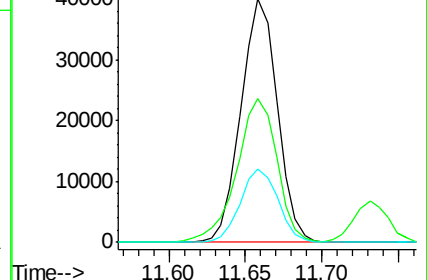
114 30.4 21.8 40.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.825 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015465.D

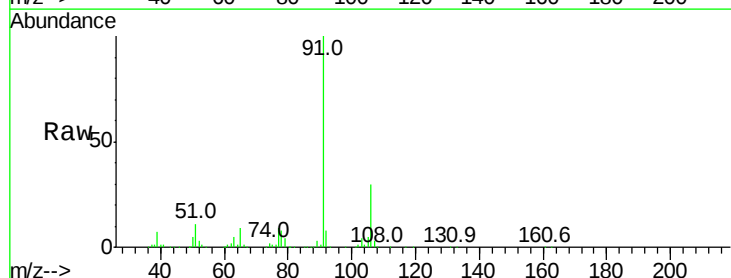
Acq: 26 May 2020 10:30

Tgt Ion: 91 Resp: 119538

Ion Ratio Lower Upper

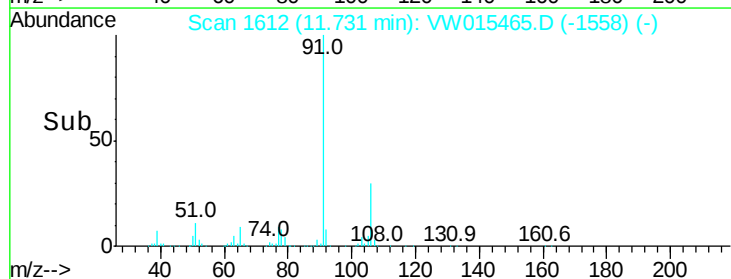
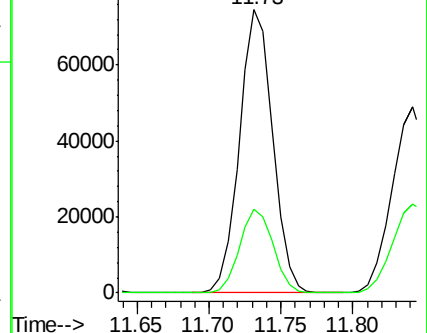
91 100

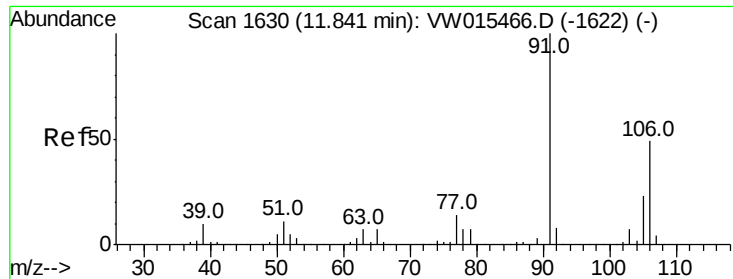
106 29.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.829 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

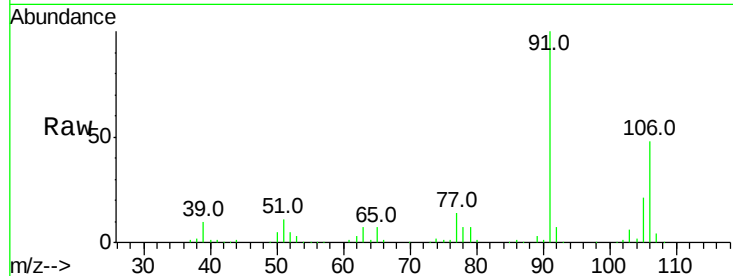
VSTD00504

Tgt Ion:106 Resp: 44689

Ion Ratio Lower Upper

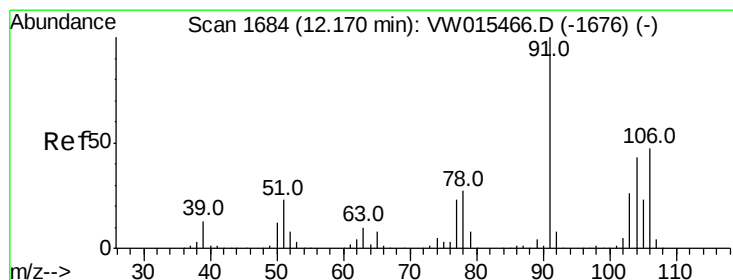
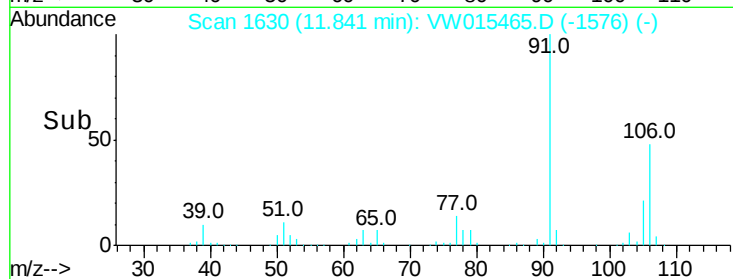
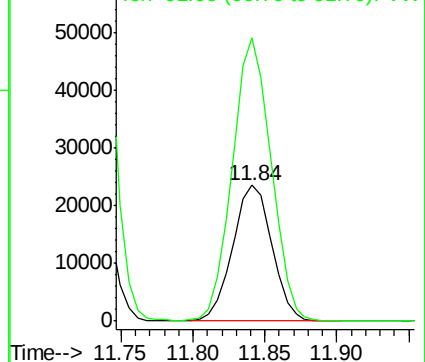
106 100

91 208.7 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.635 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW015465.D

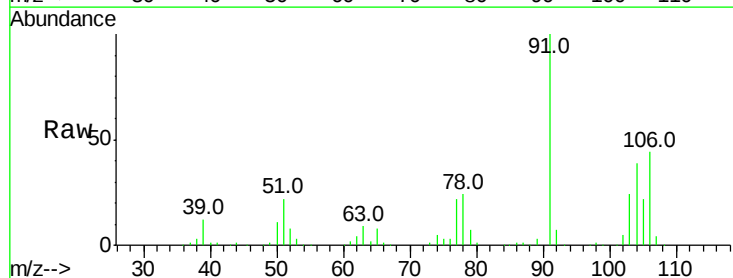
Acq: 26 May 2020 10:30

Tgt Ion:106 Resp: 41265

Ion Ratio Lower Upper

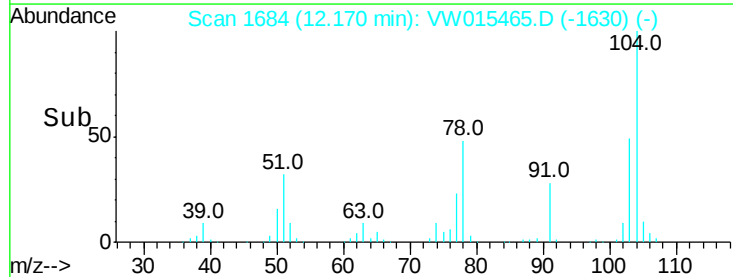
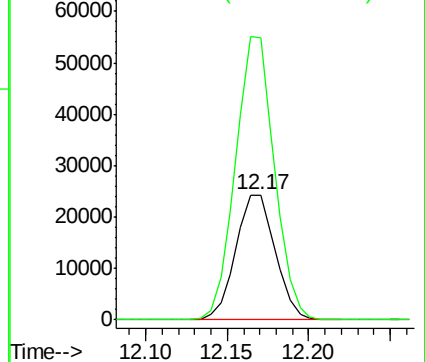
106 100

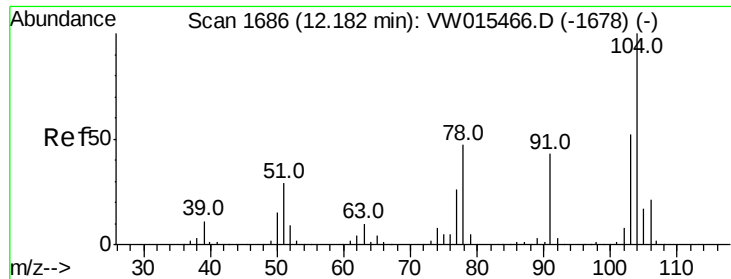
91 226.3 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.563 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

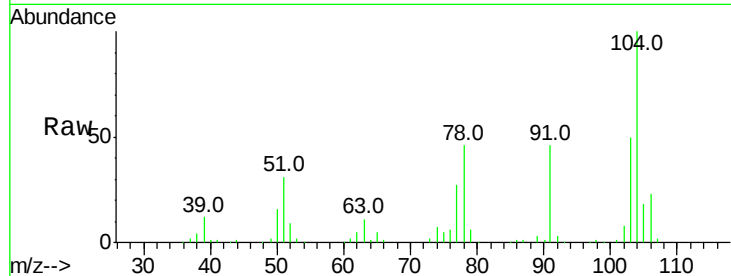
VSTD00504

Tgt Ion:104 Resp: 69357

Ion Ratio Lower Upper

104 100

78 45.9 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

40000

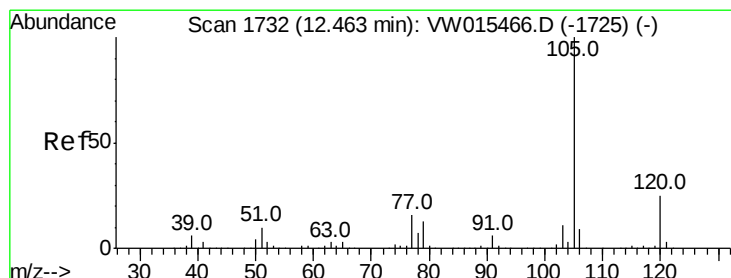
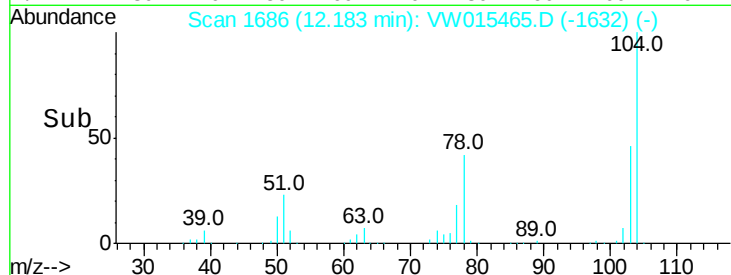
30000

20000

10000

0

Time-->



#57

Isopropylbenzene

Concen: 4.754 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

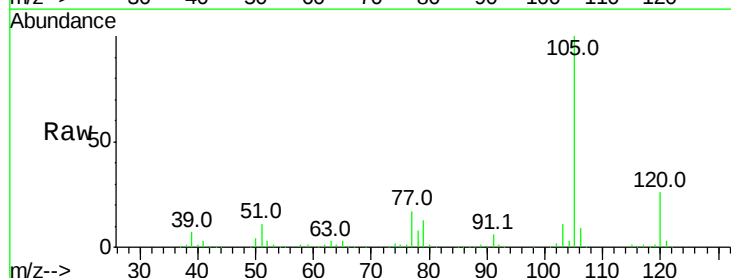
Tgt Ion:105 Resp: 116911

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 16.3 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): VW

12.46

100000

80000

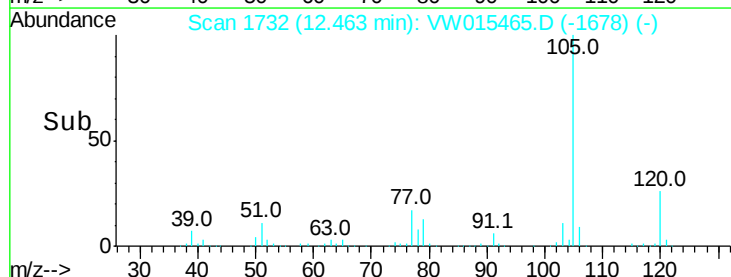
60000

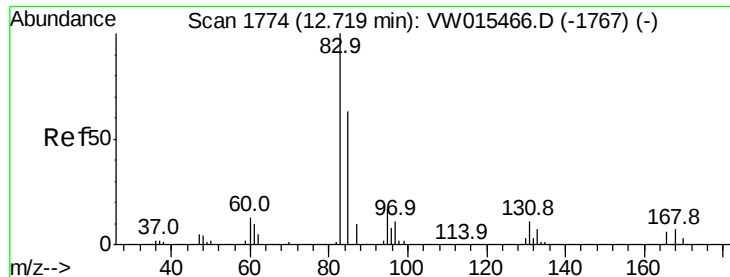
40000

20000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 4.457 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

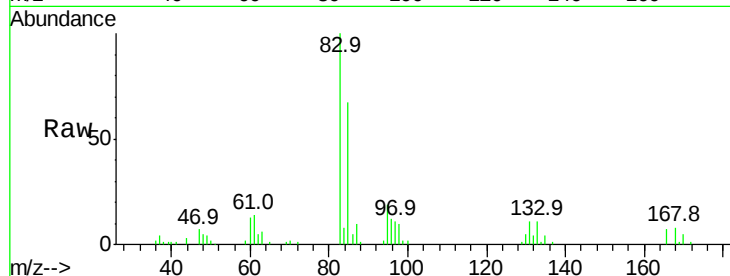
Tgt Ion: 83 Resp: 18052

Ion Ratio Lower Upper

83 100

85 67.3 44.7 82.9

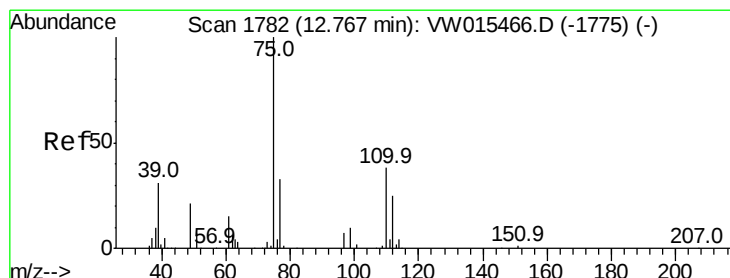
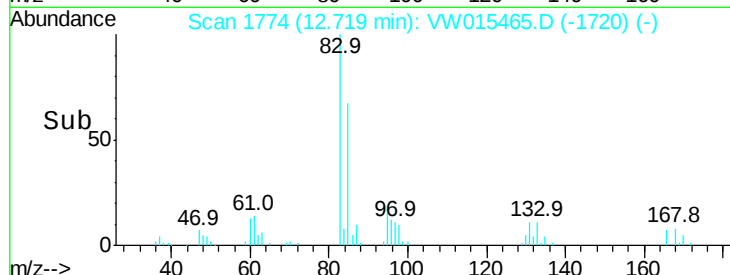
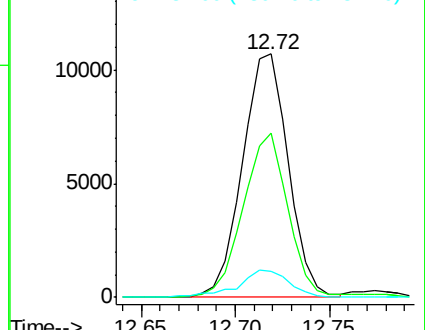
131 10.5 9.1 13.7



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): VW



#59

1,2,3-Trichloropropane

Concen: 4.590 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015465.D

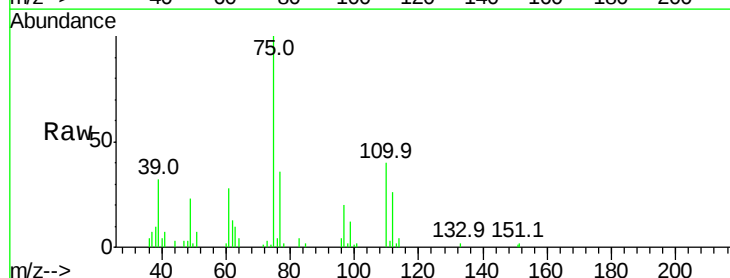
Acq: 26 May 2020 10:30

Tgt Ion: 75 Resp: 14120

Ion Ratio Lower Upper

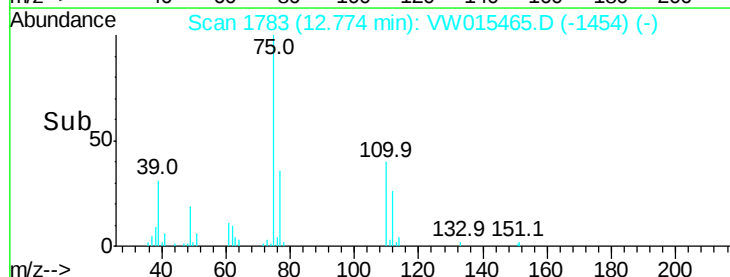
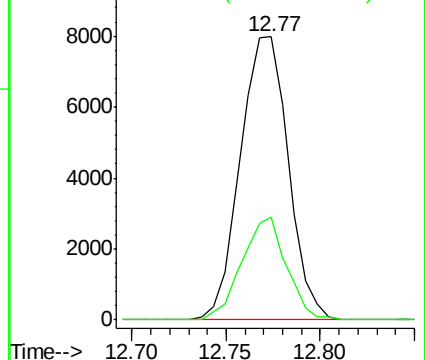
75 100

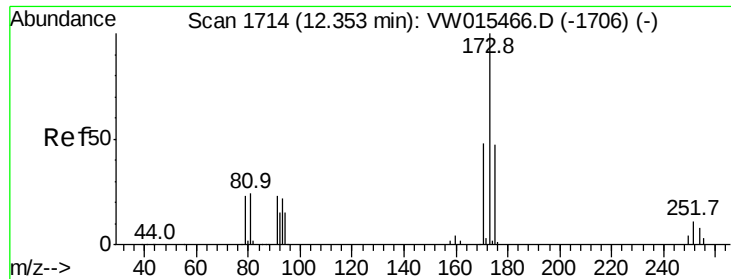
77 33.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 4.517 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

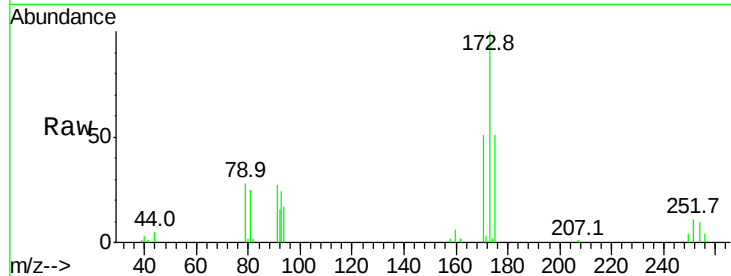
Tgt Ion:173 Resp: 10563

Ion Ratio Lower Upper

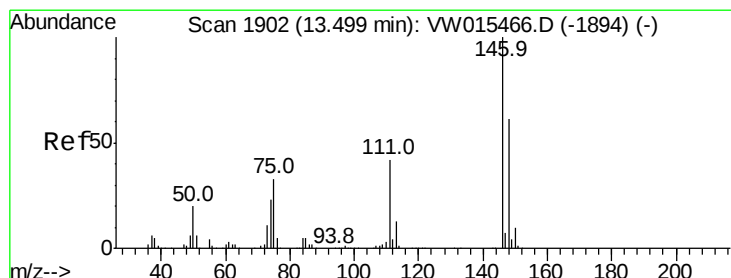
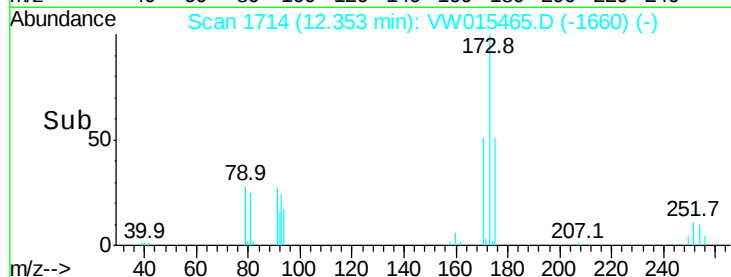
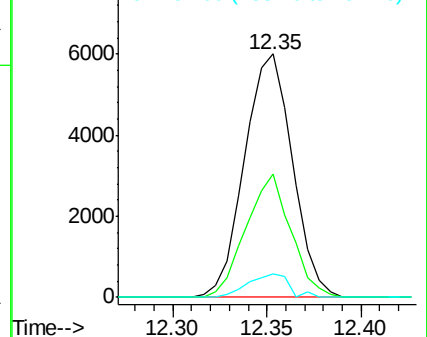
173 100

175 47.5 37.9 56.9

254 7.6 6.8 10.2



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: 4.980 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015465.D

Acq: 26 May 2020 10:30

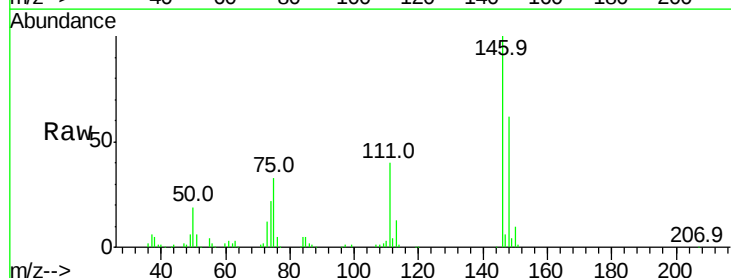
Tgt Ion:146 Resp: 50140

Ion Ratio Lower Upper

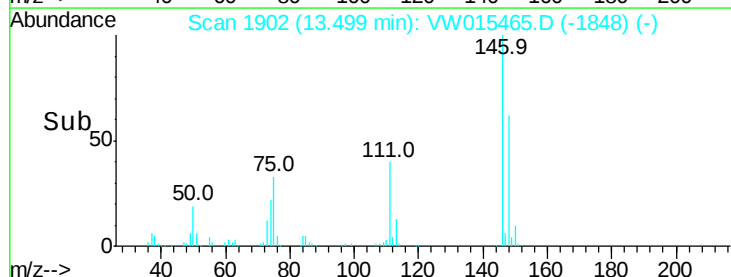
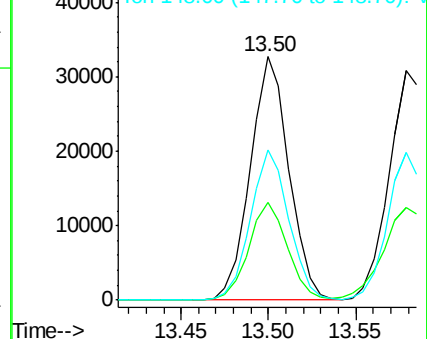
146 100

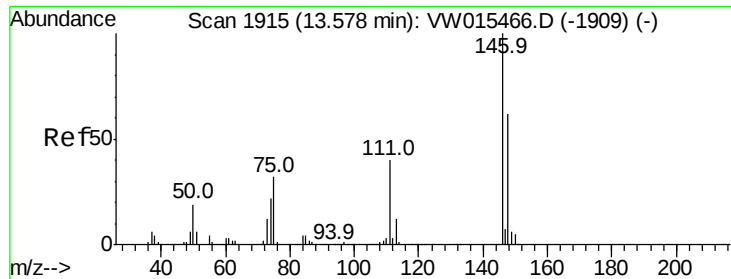
111 40.2 29.3 54.5

148 61.8 42.5 78.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

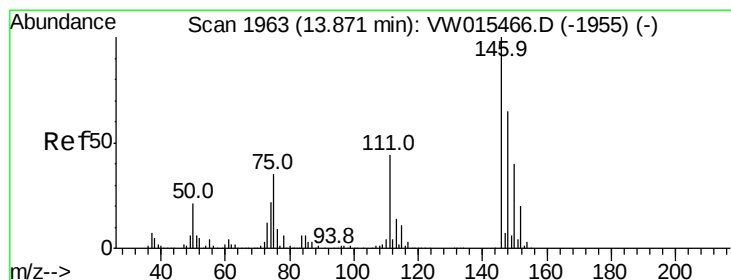
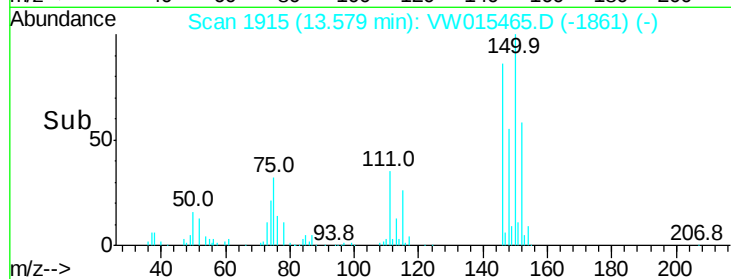
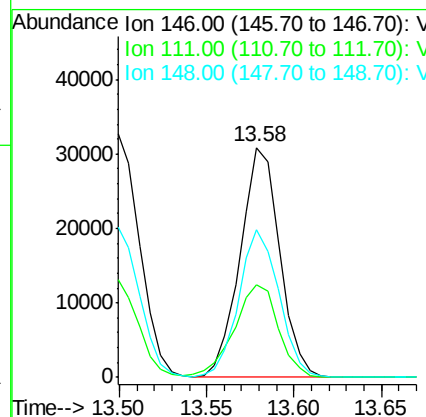
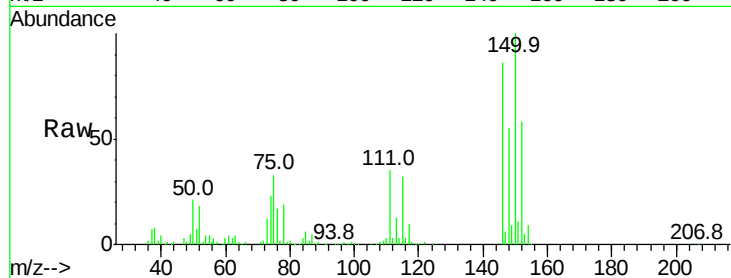




#64
 1,4-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

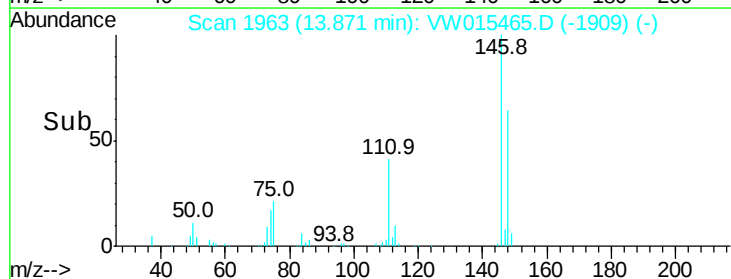
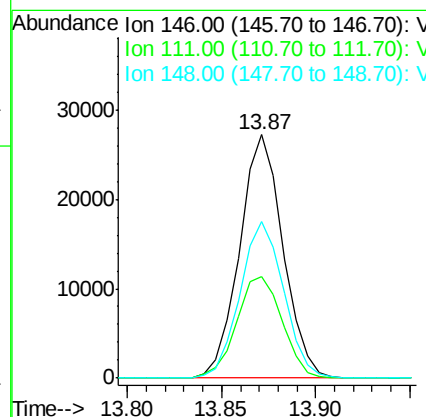
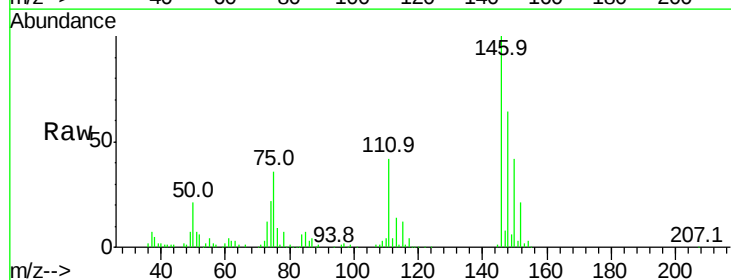
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

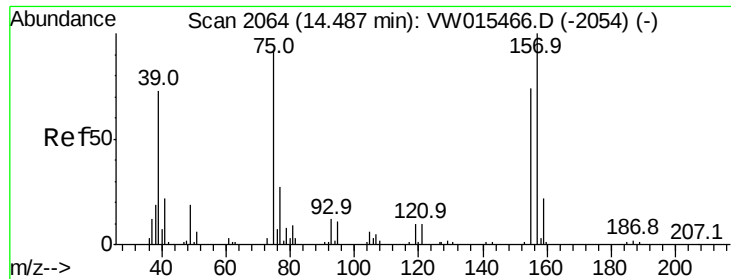
Tgt Ion:146 Resp: 48654
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.1 52.1
 148 64.4 43.3 80.3



#65
 1,2-Dichlorobenzene
 Concen: 4.907 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

Tgt Ion:146 Resp: 43463
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.9 52.3
 148 64.3 51.8 77.8

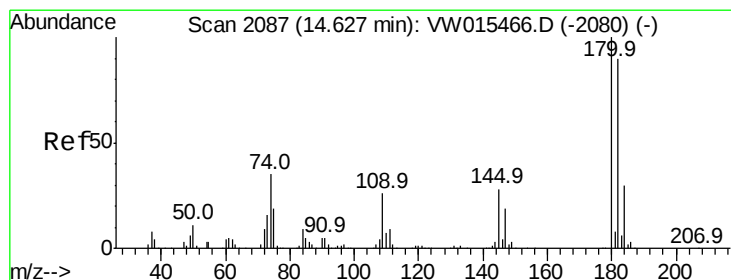
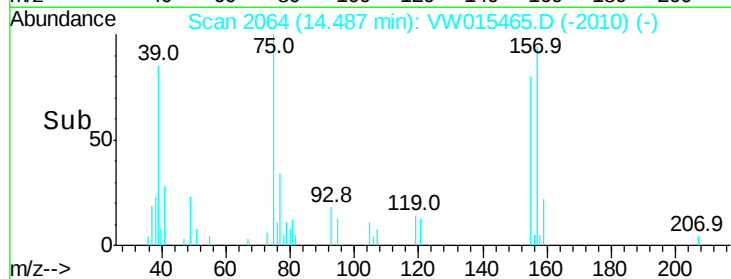
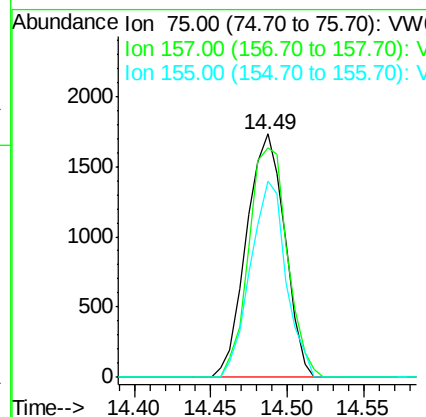
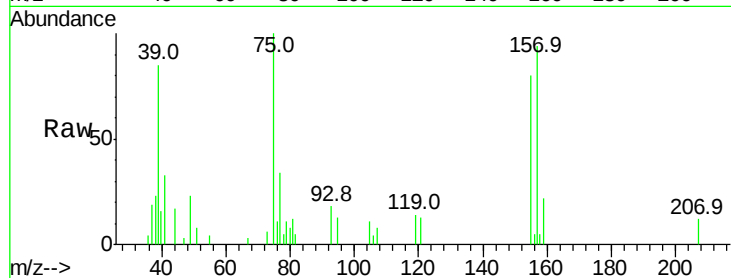




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.223 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

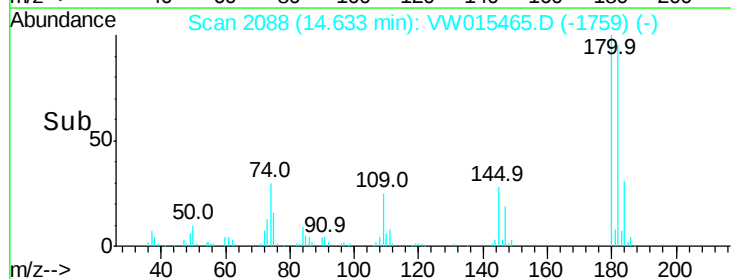
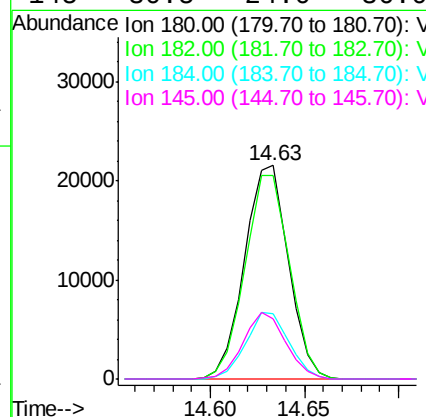
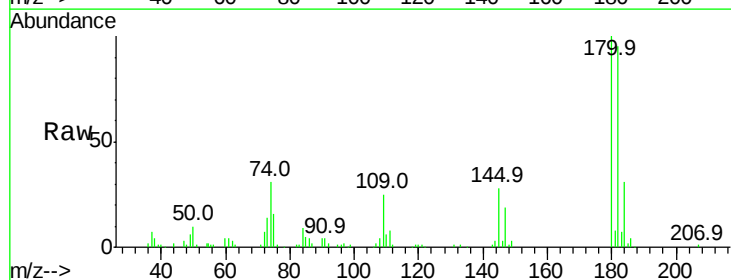
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

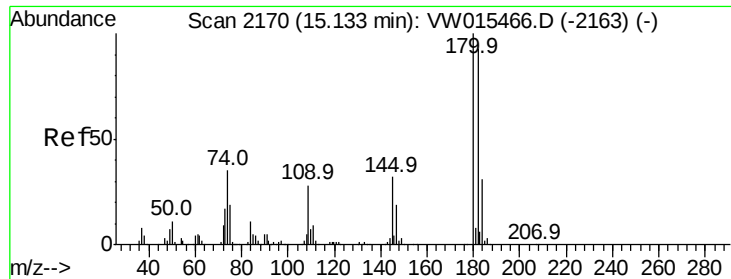
Tgt Ion: 75 Resp: 3015
 Ion Ratio Lower Upper
 75 100
 157 94.4 87.4 131.0
 155 80.5 64.6 96.8



#67
 1,3,5-Trichlorobenzene
 Concen: 5.036 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

Tgt Ion: 180 Resp: 34863
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 114.8
 184 30.7 24.4 36.6
 145 30.5 24.0 36.0

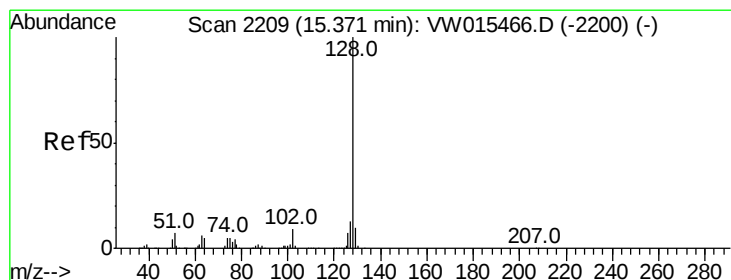
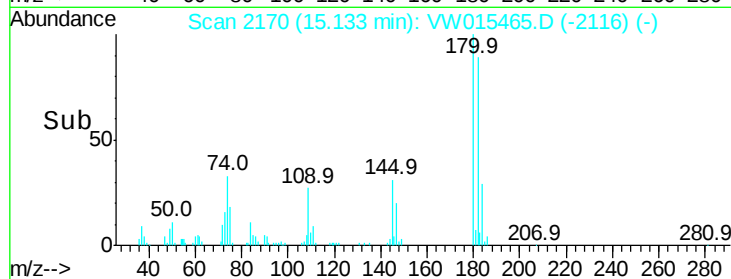
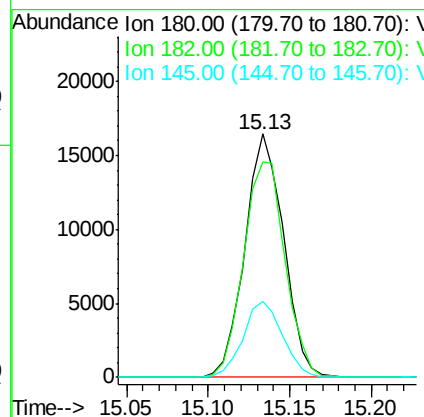
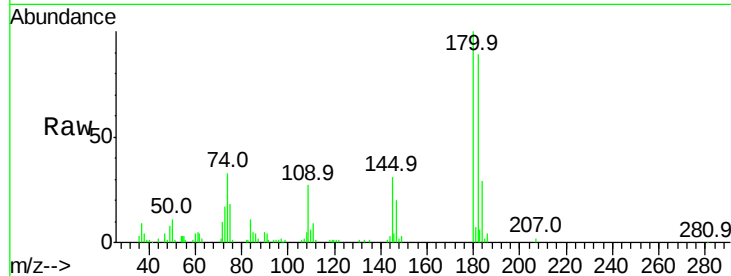




#68
 1,2,4-trichlorobenzene
 Concen: 4.769 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

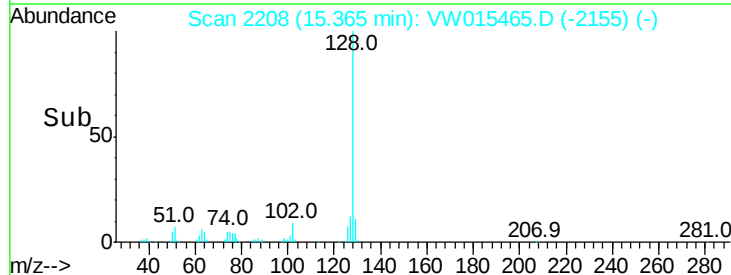
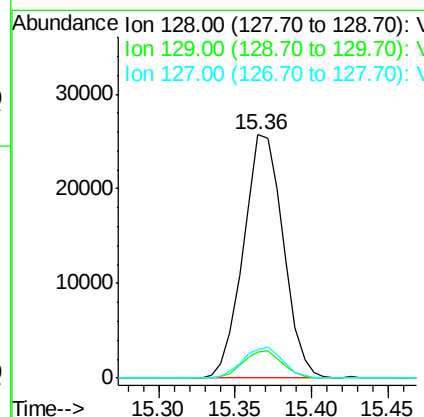
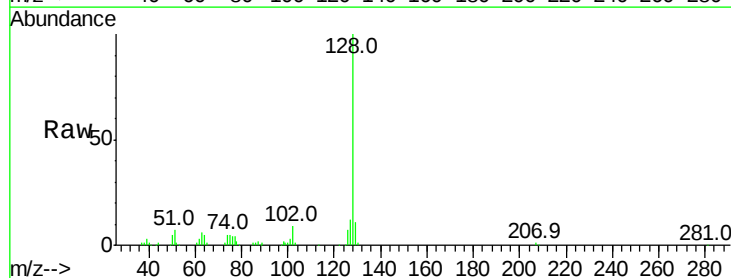
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

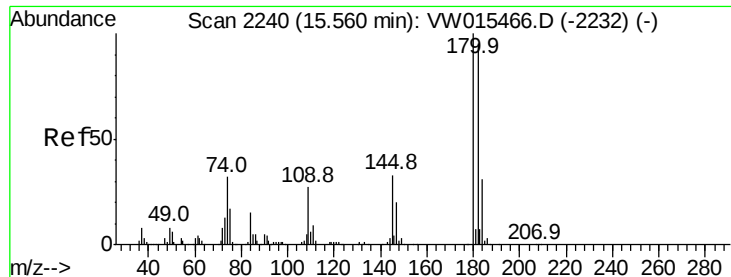
Tgt Ion:180 Resp: 27264
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.1 114.1
 145 31.7 25.2 37.8



#69
 Naphthalene
 Concen: 4.358 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

Tgt Ion:128 Resp: 46748
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 12.8
 127 12.8 10.6 15.8

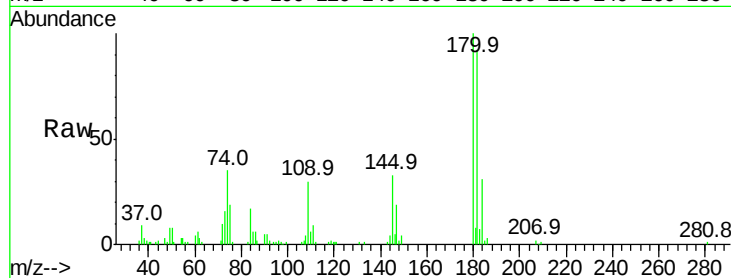




#70
 1,2,3-Trichlorobenzene
 Concen: 4.731 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: VW015465.D
 Acq: 26 May 2020 10:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion:180 Resp: 23302
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.4 113.2
 145 33.5 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

