

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113020\
 Data File : VW017509.D
 Acq On : 30 Nov 2020 09:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Nov 30 12:30:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 07:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	483469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	429215	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228032	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	159959	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.60%
7) Chloroethane-d5	2.89	69	125337	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
10) 1,1-Dichloroethene-d2	4.03	63	339222	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.84%
20) 2-Butanone-d5	7.08	46	79977	59.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.26%
24) Chloroform-d	7.65	84	352021	25.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.52%
26) 1,2-Dichloroethane-d4	8.31	65	178632	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	674414	25.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.20%
33) 1,2-Dichloropropane-d6	9.27	67	193075	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.76%
37) Toluene-d8	10.32	98	619613	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.12%
38) trans-1,3-Dichloropropene-	10.58	79	89171	27.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.28%
39) 2-Hexanone-d5	10.93	63	57068	63.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153768	29.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	224000	26.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	93742	20.405 ug/L	98
3) Chloromethane	2.22	50	92678	19.595 ug/L	99
5) Vinyl chloride	2.37	62	144372	24.613 ug/L	97
6) Bromomethane	2.79	94	92356	21.866 ug/L	98
8) Chloroethane	2.93	64	89054	22.597 ug/L	97
9) Trichlorofluoromethane	3.27	101	137326	20.445 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	160486	23.344 ug/L #	67
12) 1,1-Dichloroethene	4.05	96	155782	23.238 ug/L	96
13) Acetone	4.14	43	62865	48.711 ug/L	93
14) Carbon disulfide	4.39	76	437347	22.809 ug/L	97
15) Methyl Acetate	4.67	43	61002	27.155 ug/L	98
16) Methylene chloride	4.92	84	156339	21.538 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	187102	25.949 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	163962	23.793 ug/L	98
19) 1,1-Dichloroethane	6.22	63	278260	23.916 ug/L	99
21) 2-Butanone	7.18	43	82131	53.180 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	171303	23.825 ug/L	98

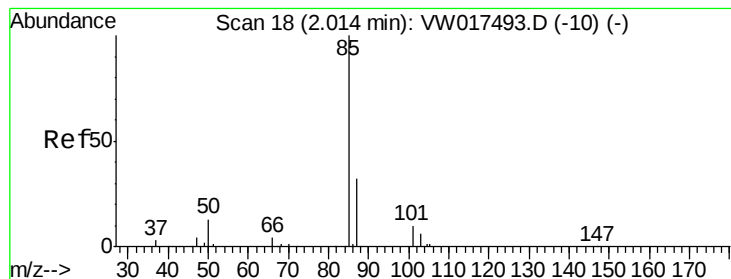
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 26 07:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	77313	23.672	ug/L	98
25) Chloroform	7.68	83	296873	24.169	ug/L	100
27) 1,2-Dichloroethane	8.40	62	182376	24.653	ug/L	99
30) Cyclohexane	7.96	56	249995	24.418	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	249277	24.539	ug/L	99
32) Carbon tetrachloride	8.07	117	245827	24.922	ug/L	99
34) Benzene	8.32	78	624362	24.203	ug/L	100
35) Trichloroethene	9.09	95	171902	24.036	ug/L	99
36) Methylcyclohexane	9.34	83	284918	24.091	ug/L	98
40) 1,2-Dichloropropane	9.37	63	149484	24.670	ug/L	100
41) Bromodichloromethane	9.65	83	210055	25.090	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	243774	25.974	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	161878	58.029	ug/L	98
44) Toluene	10.39	91	691225	24.900	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	213440	26.538	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	115568	25.454	ug/L	99
47) Tetrachloroethene	10.87	164	142598	23.402	ug/L	89
49) 2-Hexanone	10.97	43	116258	59.011	ug/L	93
50) Dibromochloromethane	11.13	129	148853	26.247	ug/L	99
51) 1,2-Dibromoethane	11.24	107	112269	25.802	ug/L	96
52) Chlorobenzene	11.66	112	446487	24.562	ug/L	97
53) Ethylbenzene	11.73	91	777782	24.711	ug/L	97
54) m,p-Xylene	11.84	106	294364	24.512	ug/L	93
55) o-xylene	12.16	106	282534	25.260	ug/L	97
56) Styrene	12.18	104	479975	25.509	ug/L	99
57) Isopropylbenzene	12.46	105	772760	25.153	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	132352	27.084	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	96344	26.711	ug/L	100
62) Bromoform	12.35	173	87988	27.219	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	355514	24.179	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	353002	24.234	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	319609	24.956	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22491	27.276	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	262701	24.940	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	220184	25.858	ug/L	94
69) Naphthalene	15.37	128	379438	28.859	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	190817	26.865	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.405 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW017509.D

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Instrument :

MSVOA_W

ClientSampleId :

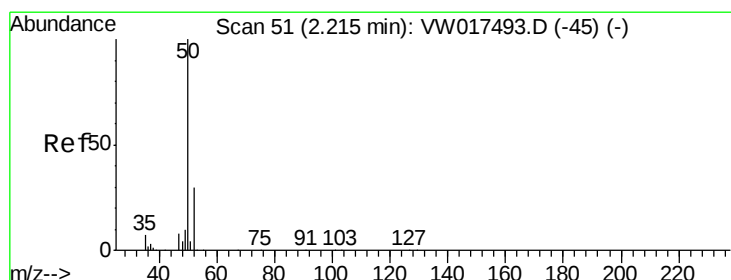
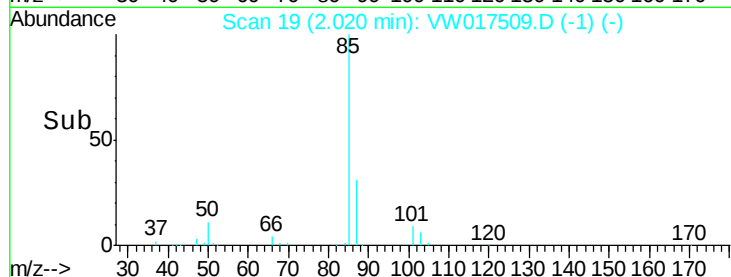
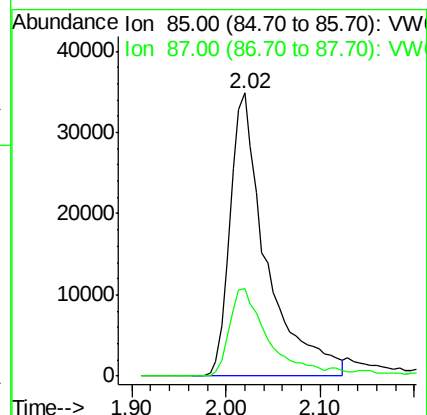
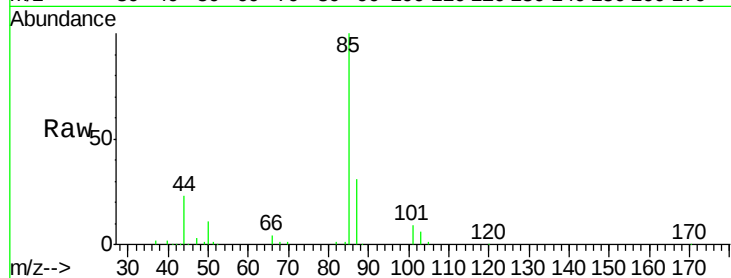
VSTD02524

Tgt Ion: 85 Resp: 93742

Ion Ratio Lower Upper

85 100

87 32.3 23.2 43.0



#3

Chloromethane

Concen: 19.595 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017509.D

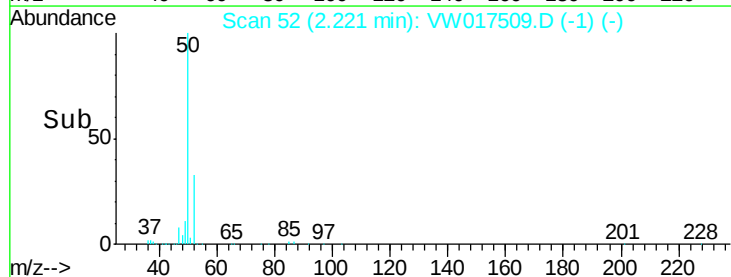
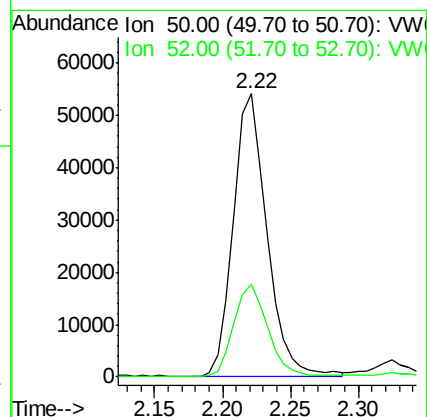
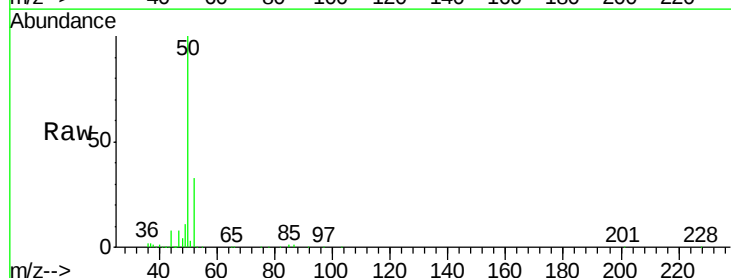
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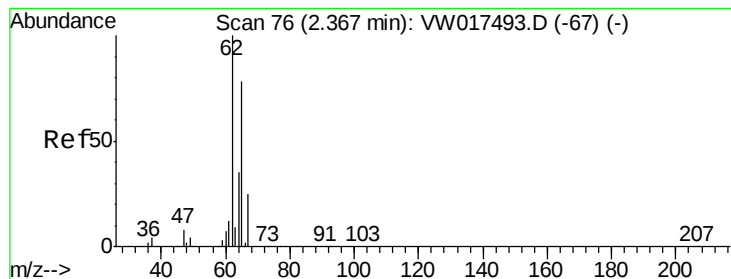
Tgt Ion: 50 Resp: 92678

Ion Ratio Lower Upper

50 100

52 32.8 23.4 43.6





#5

Vinyl chloride

Concen: 24.613 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

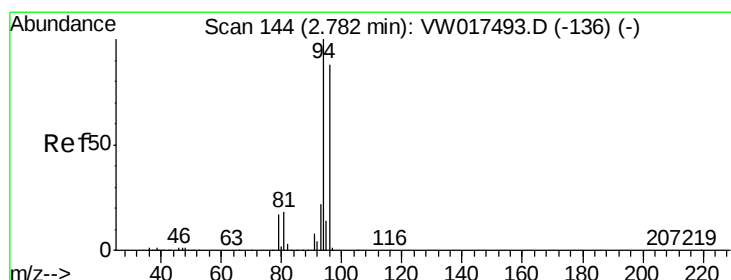
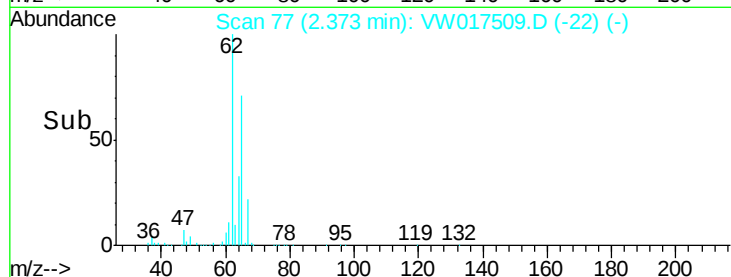
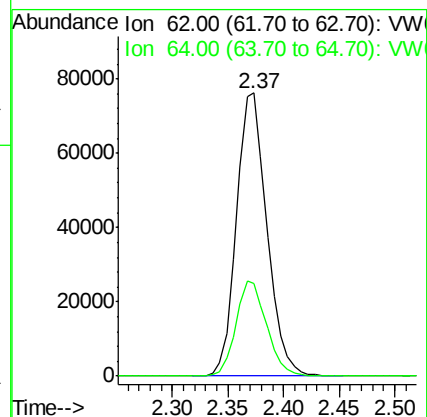
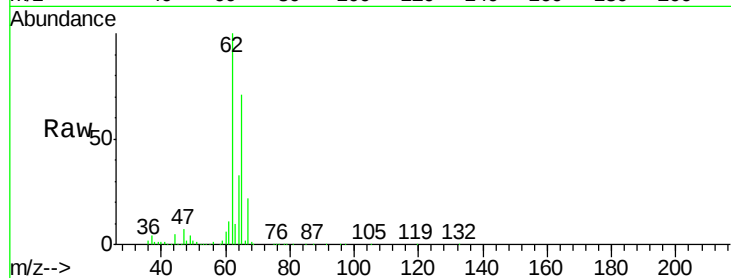
VSTD02524

Tgt Ion: 62 Resp: 144372

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



#6

Bromomethane

Concen: 21.866 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017509.D

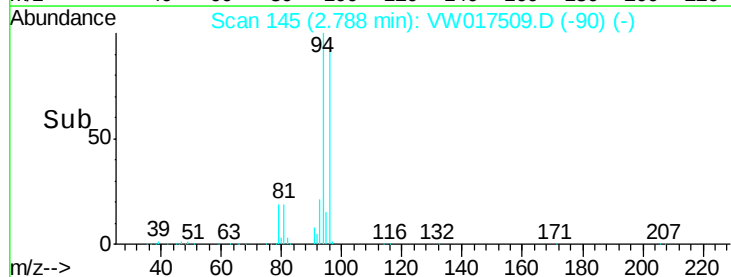
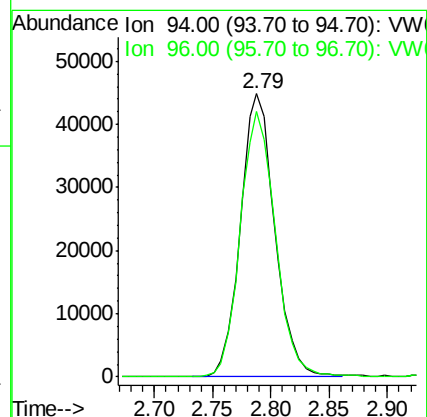
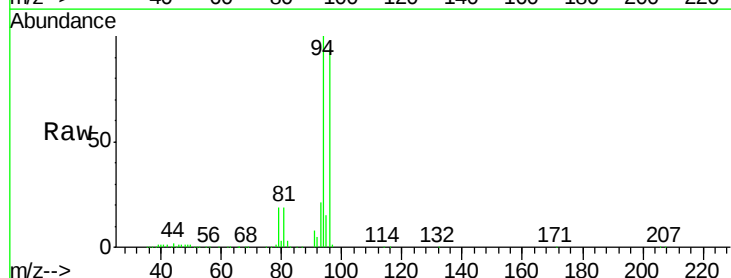
Acq: 30 Nov 2020 09:47

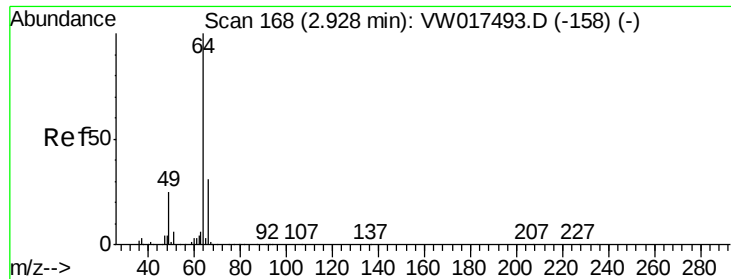
Tgt Ion: 94 Resp: 92356

Ion Ratio Lower Upper

94 100

96 95.9 9.4 178.0

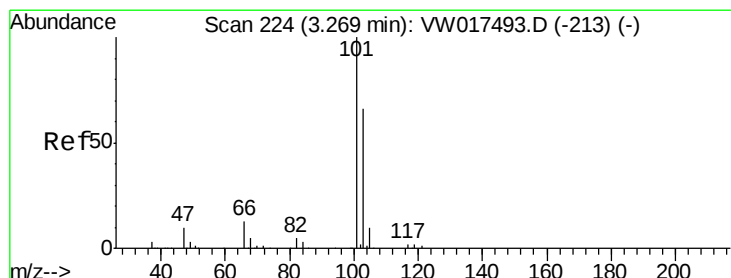
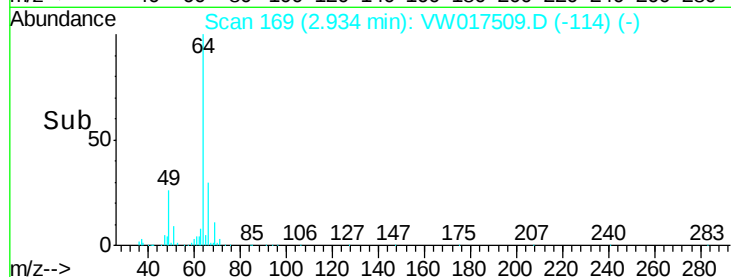
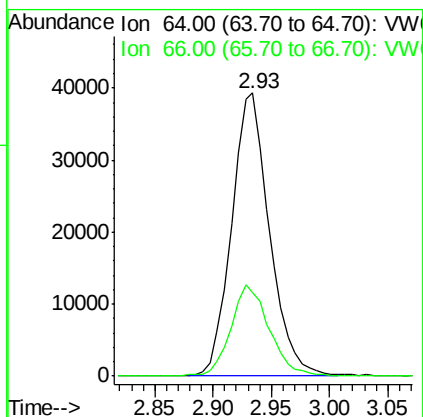
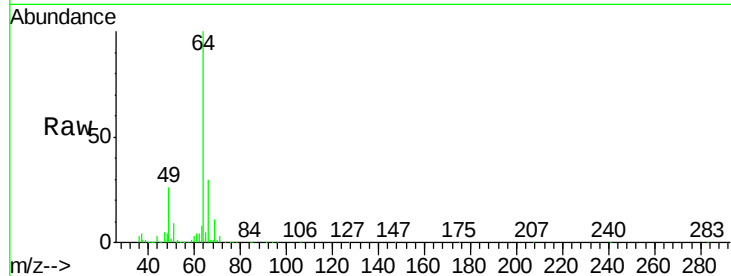




#8
 Chloroethane
 Concen: 22.597 ug/L
 RT: 2.93 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

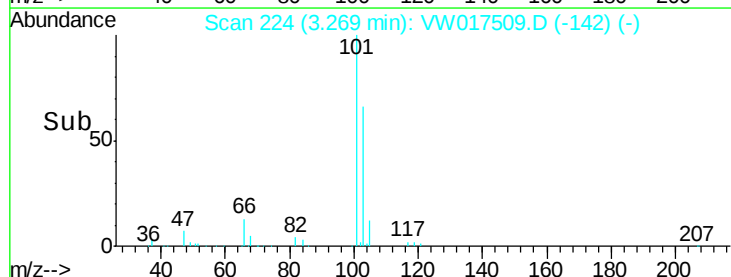
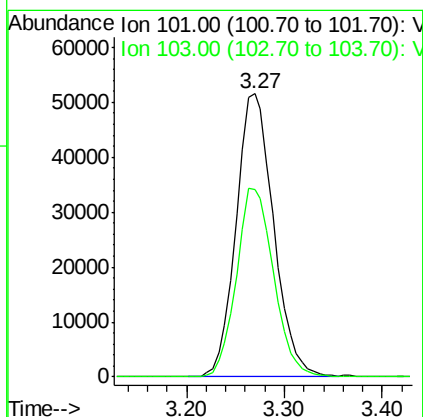
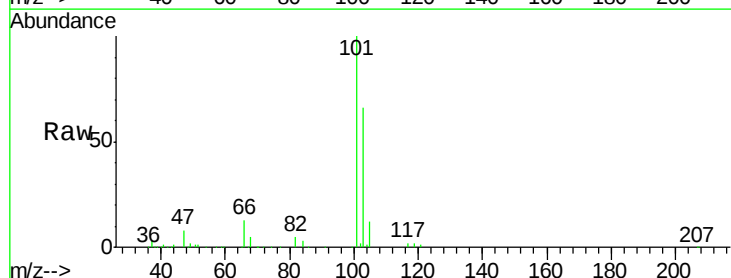
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

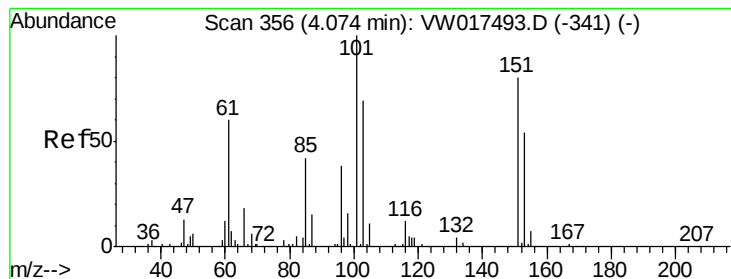
Tgt Ion: 64 Resp: 89054
 Ion Ratio Lower Upper
 64 100
 66 29.7 22.0 41.0



#9
 Trichlorofluoromethane
 Concen: 20.445 ug/L
 RT: 3.27 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Tgt Ion: 101 Resp: 137326
 Ion Ratio Lower Upper
 101 100
 103 66.1 45.0 83.6





#11

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

Concen: 23.344 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

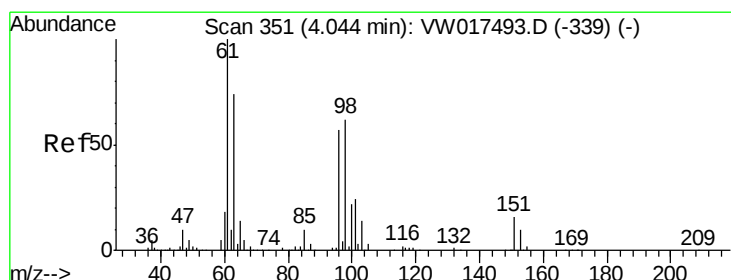
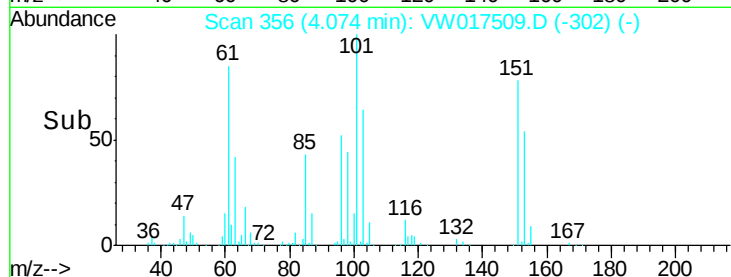
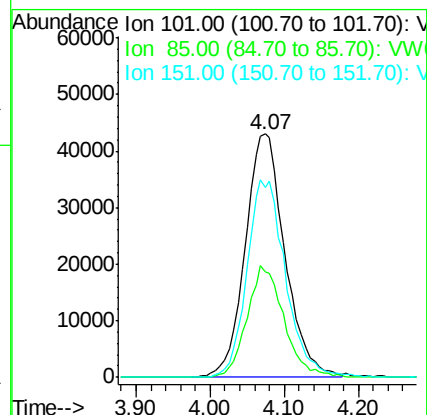
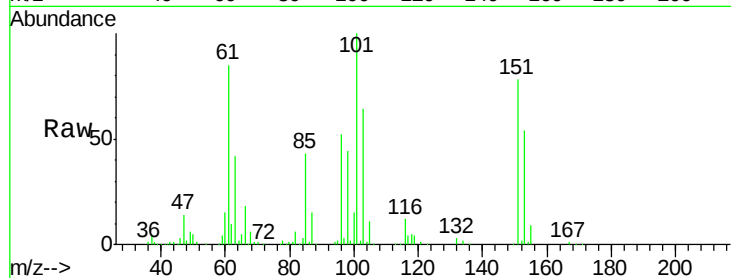
Tgt Ion:101 Resp: 160486

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

151 79.3 30.4 45.6#



#12

1,1-Dichloroethene

Concen: 23.238 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

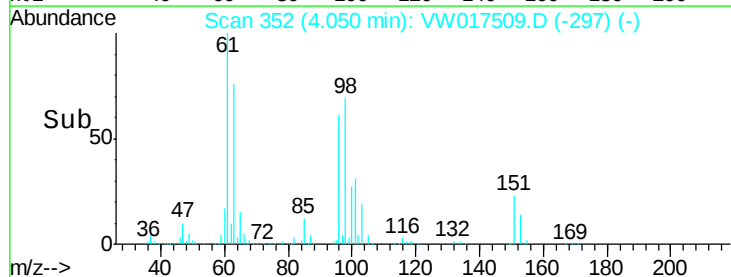
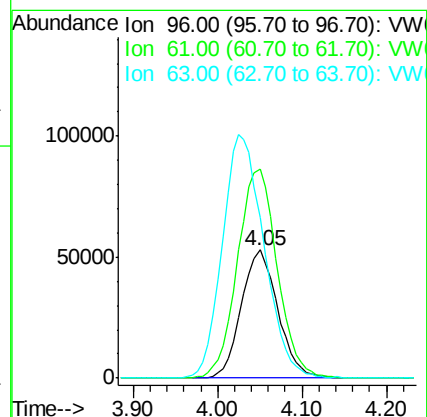
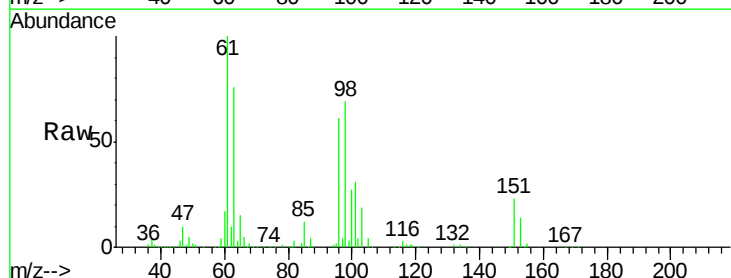
Tgt Ion: 96 Resp: 155782

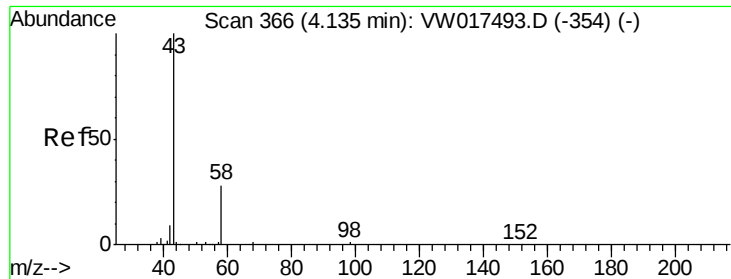
Ion Ratio Lower Upper

96 100

61 163.7 112.5 208.9

63 125.2 83.1 154.3





#13

Acetone

Concen: 48.711 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

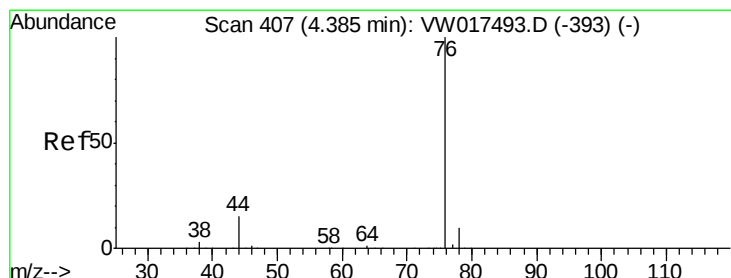
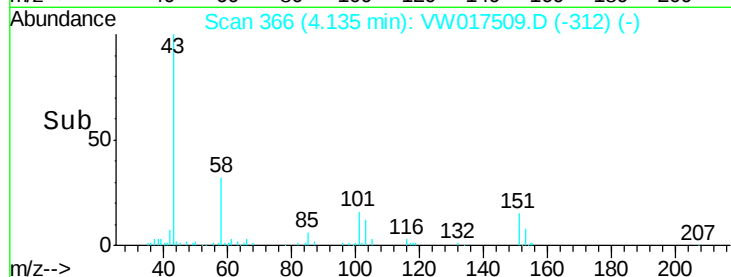
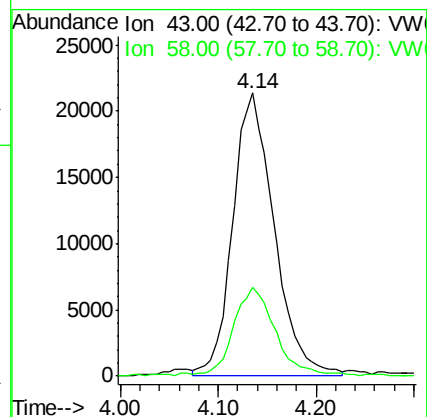
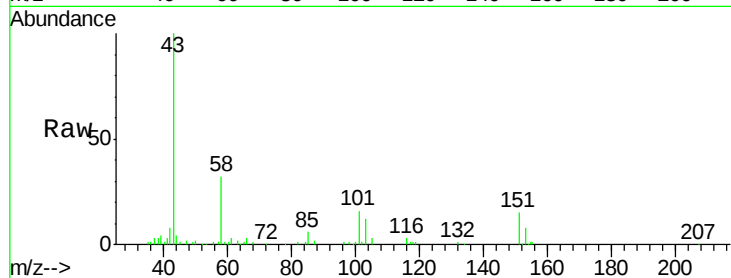
VSTD02524

Tgt Ion: 43 Resp: 62865

Ion Ratio Lower Upper

43 100

58 30.2 0.0 68.4



#14

Carbon disulfide

Concen: 22.809 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017509.D

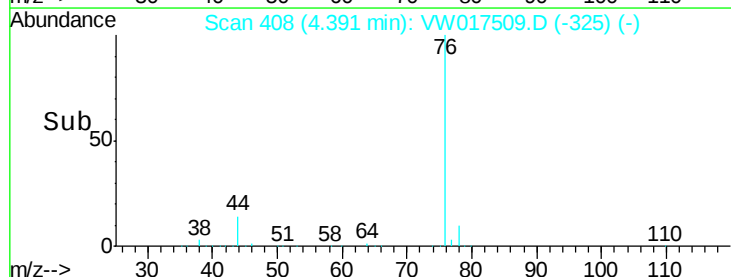
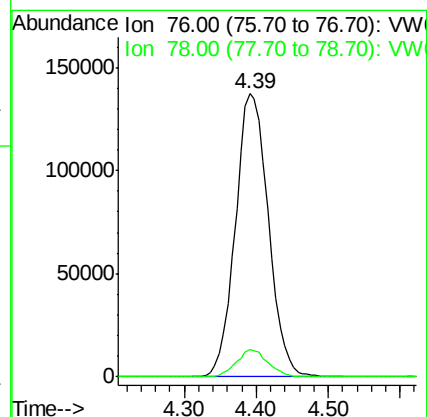
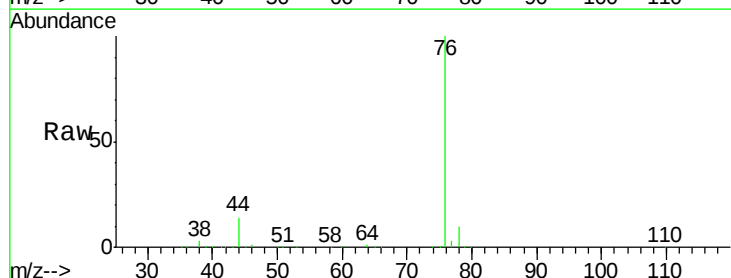
Acq: 30 Nov 2020 09:47

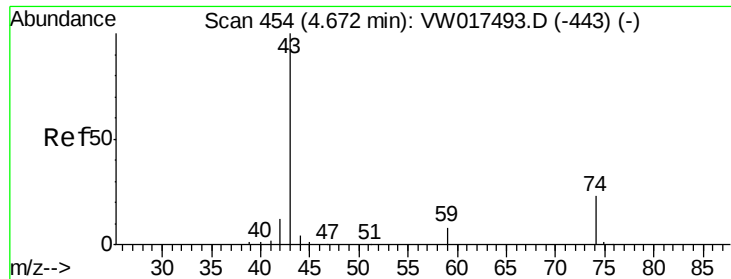
Tgt Ion: 76 Resp: 437347

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4





#15

Methyl Acetate

Concen: 27.155 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

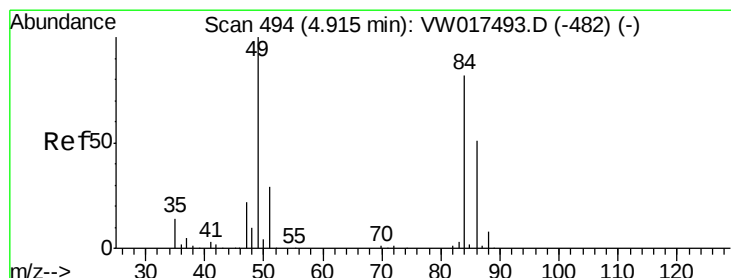
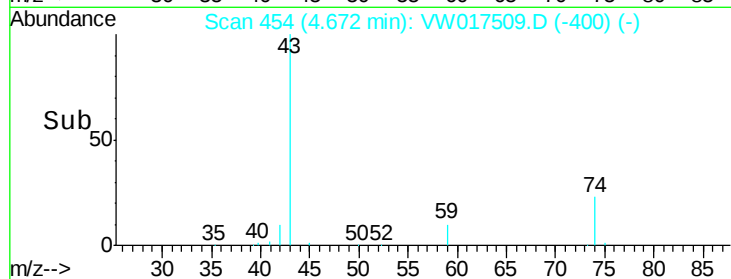
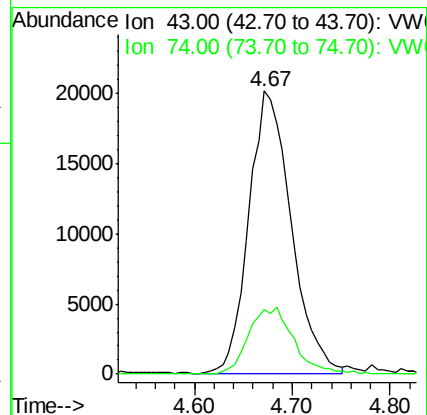
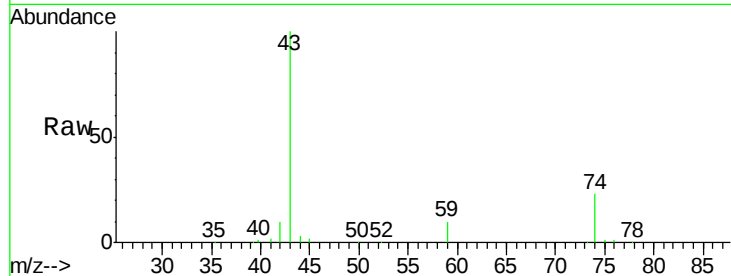
VSTD02524

Tgt Ion: 43 Resp: 61002

Ion Ratio Lower Upper

43 100

74 25.1 20.7 31.1



#16

Methylene chloride

Concen: 21.538 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

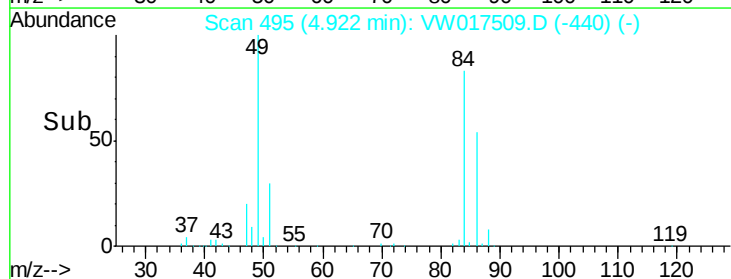
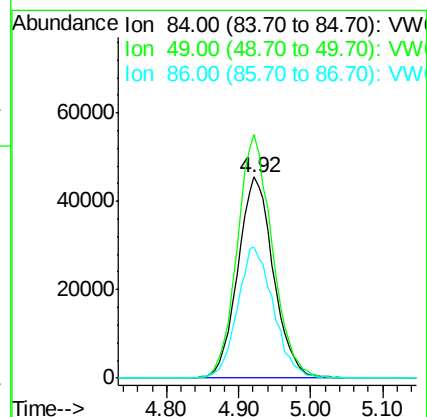
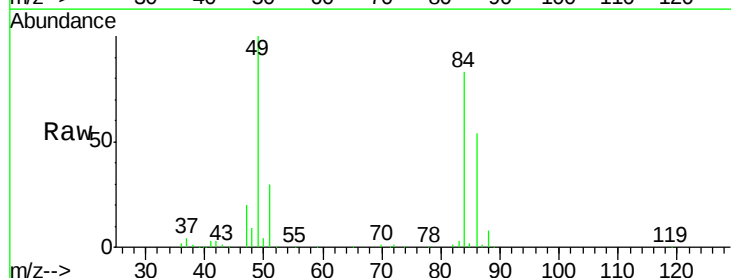
Tgt Ion: 84 Resp: 156339

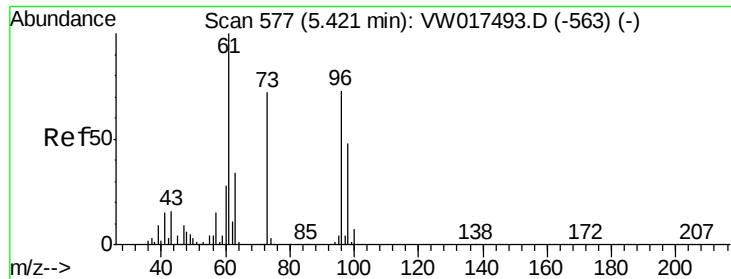
Ion Ratio Lower Upper

84 100

49 121.2 81.2 150.8

86 65.4 44.5 82.7

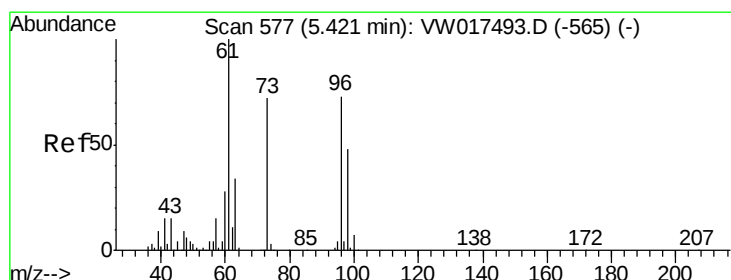
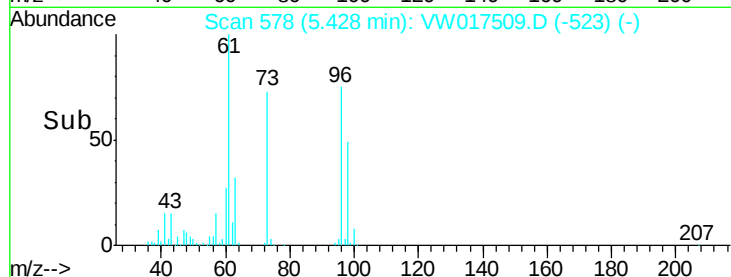
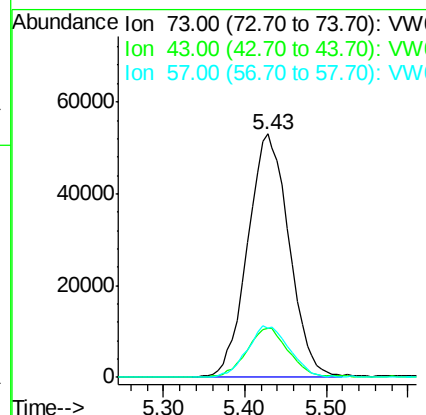
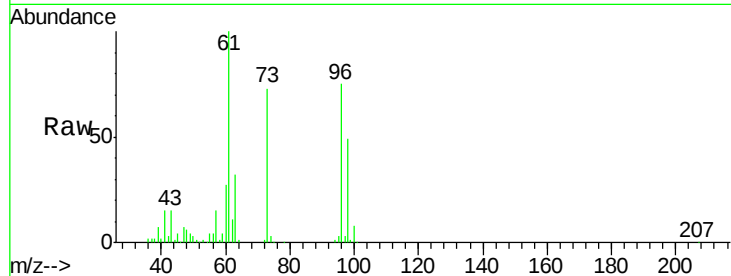




#17
Methyl tert-butyl Ether
Concen: 25.949 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

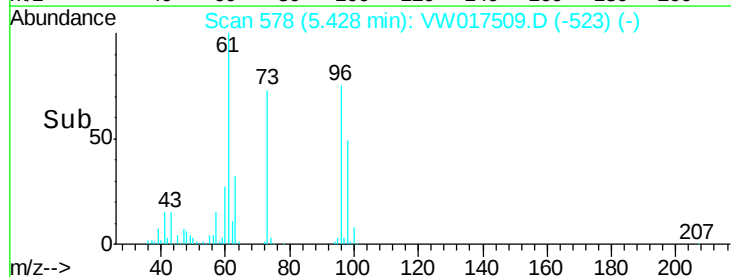
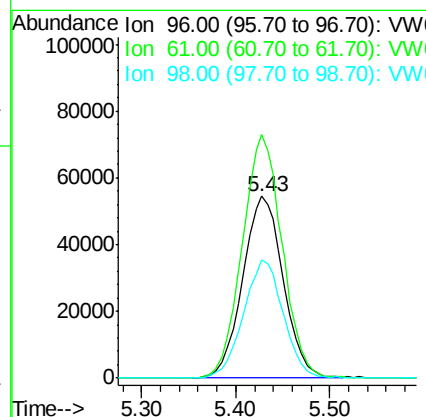
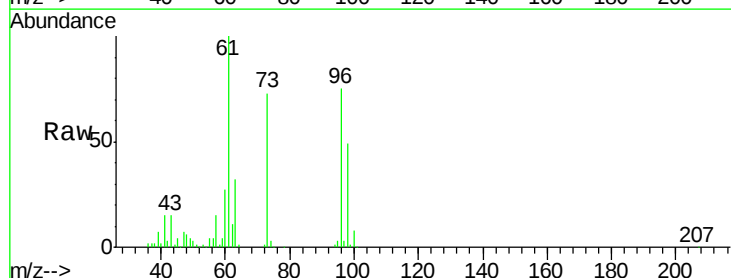
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

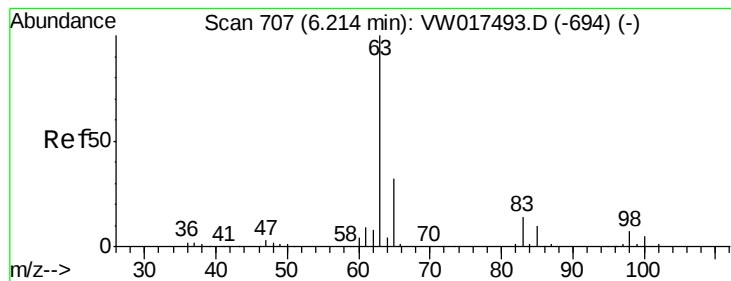
Tgt Ion: 73 Resp: 187102
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.4
57 21.4 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 23.793 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion: 96 Resp: 163962
Ion Ratio Lower Upper
96 100
61 133.9 92.7 172.1
98 65.0 43.3 80.3





#19

1,1-Dichloroethane

Concen: 23.916 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

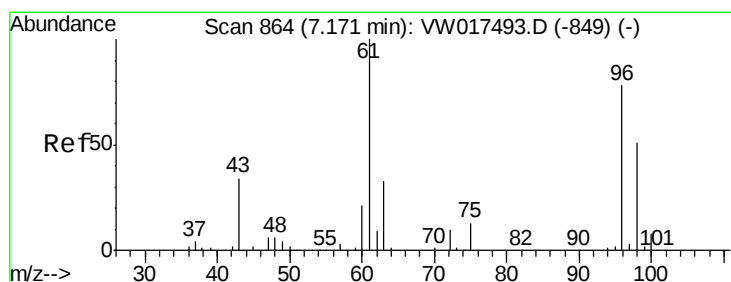
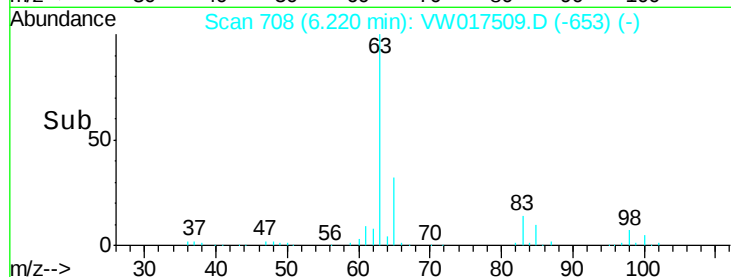
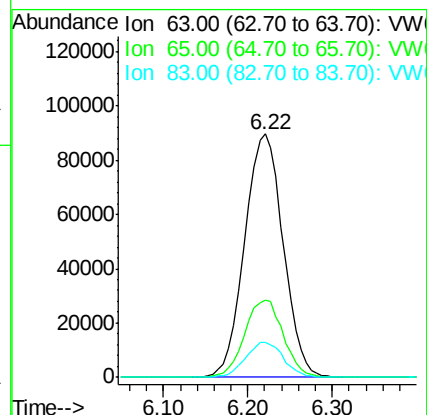
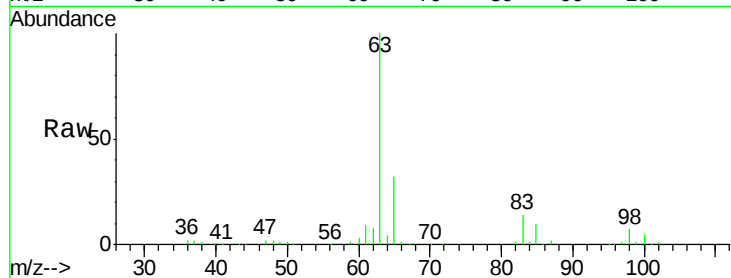
Tgt Ion: 63 Resp: 278260

Ion Ratio Lower Upper

63 100

65 31.5 21.9 40.7

83 14.1 9.4 17.6



#21

2-Butanone

Concen: 53.180 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017509.D

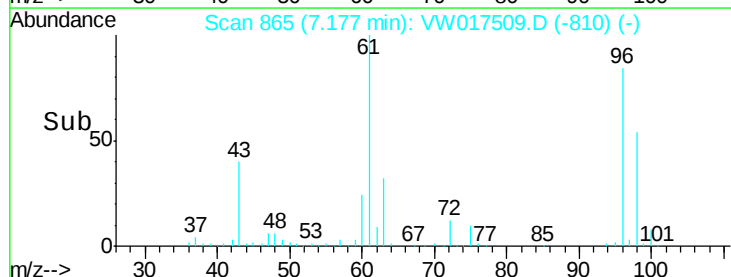
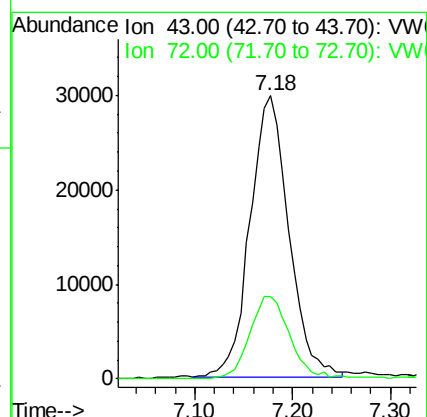
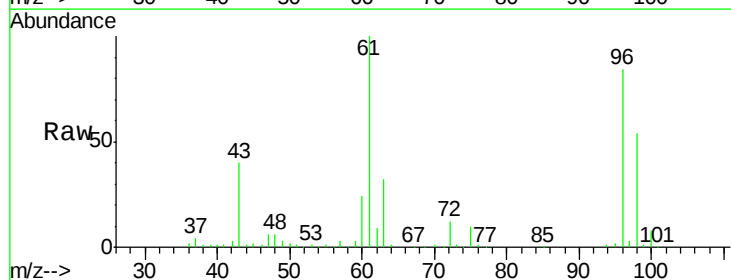
Acq: 30 Nov 2020 09:47

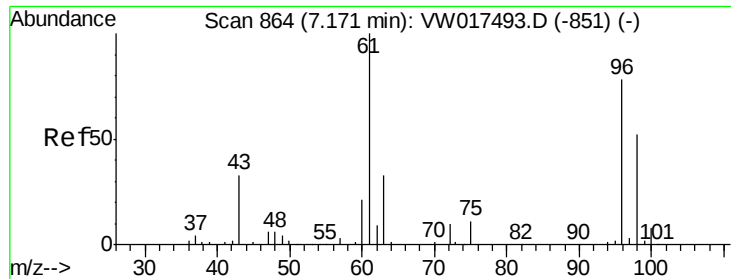
Tgt Ion: 43 Resp: 82131

Ion Ratio Lower Upper

43 100

72 29.7 14.4 43.2



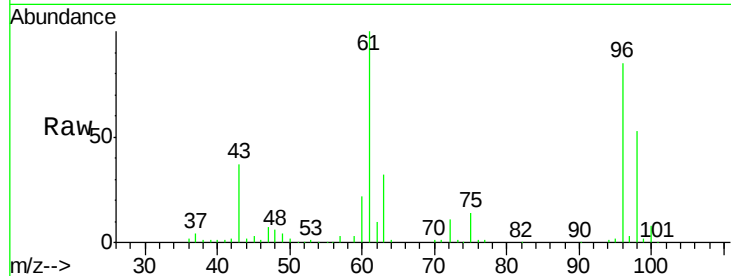


#22

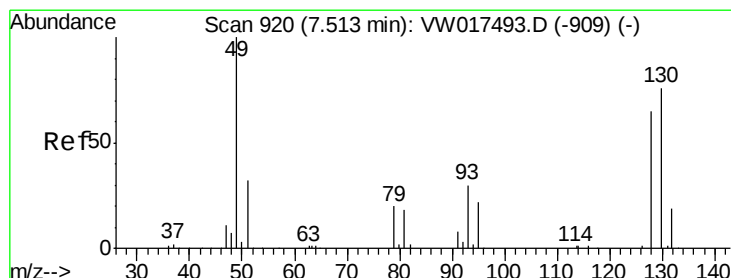
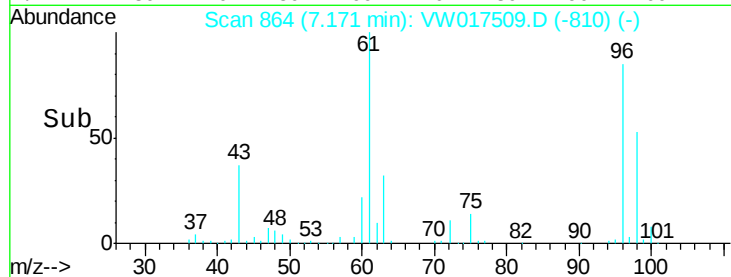
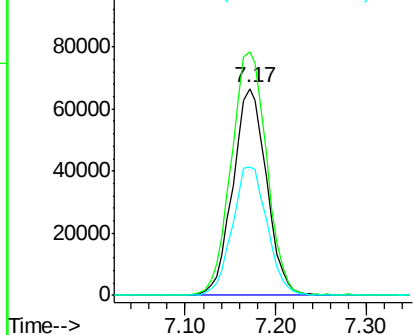
cis-1,2-Dichloroethene
Concen: 23.825 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Instrument :
MSVOA_W
ClientSampled :
VSTD02524

Tgt Ion: 96 Resp: 171303
Ion Ratio Lower Upper
96 100
61 117.8 84.6 157.2
98 62.4 44.7 82.9



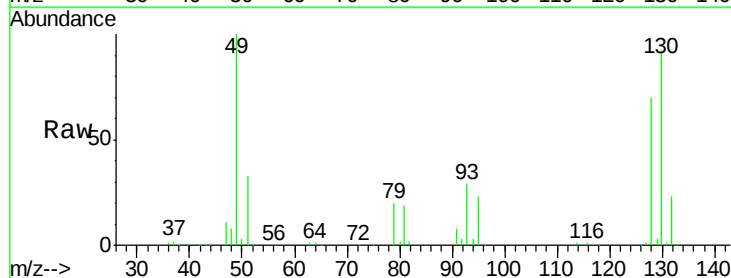
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



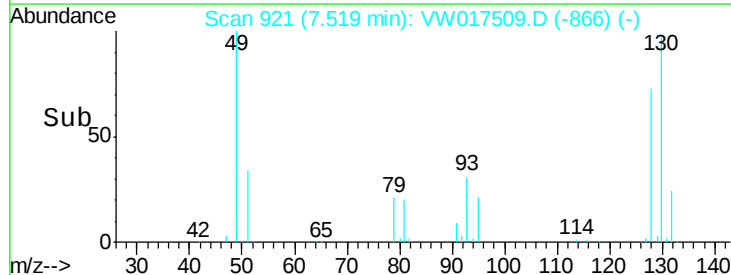
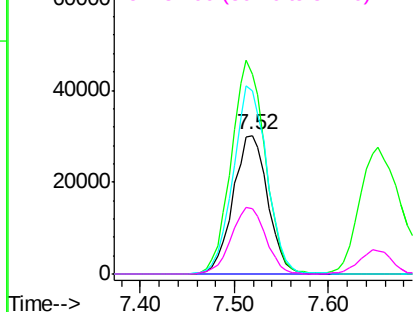
#23

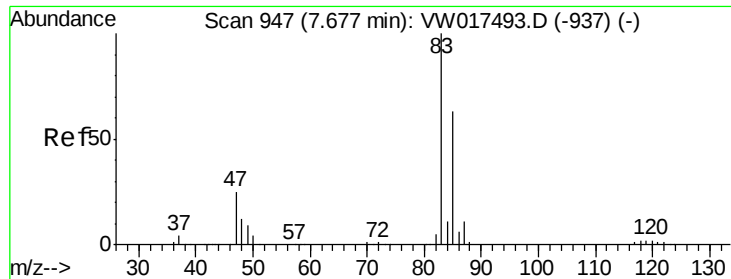
Bromochloromethane
Concen: 23.672 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion: 128 Resp: 77313
Ion Ratio Lower Upper
128 100
49 143.7 101.6 188.6
130 132.2 90.4 167.8
51 46.9 37.7 56.5



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

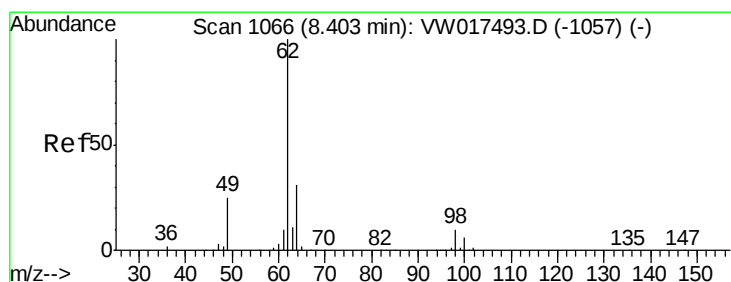
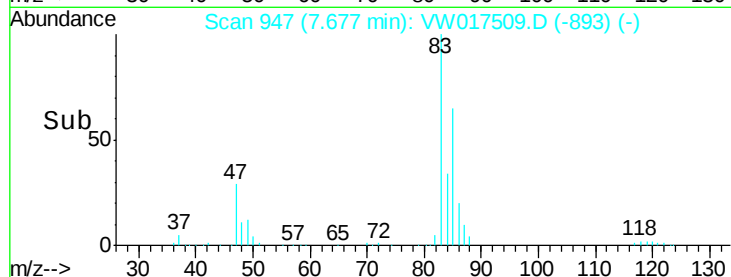
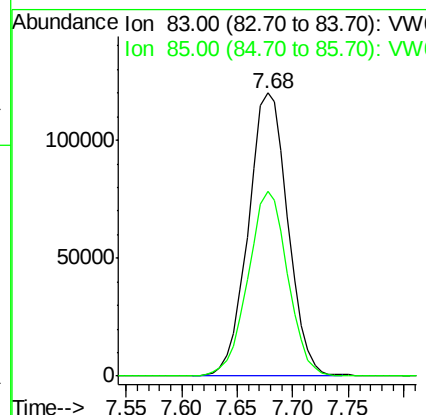
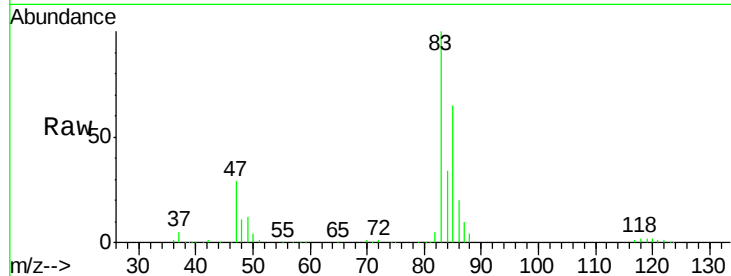




#25
Chloroform
Concen: 24.169 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

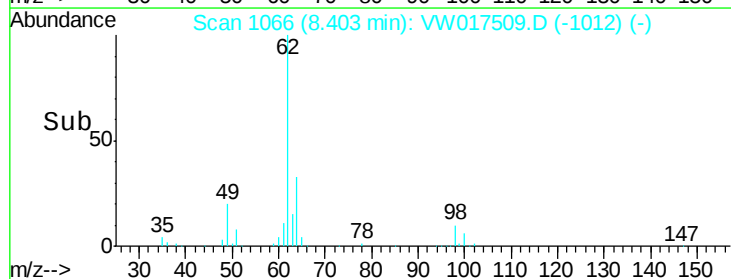
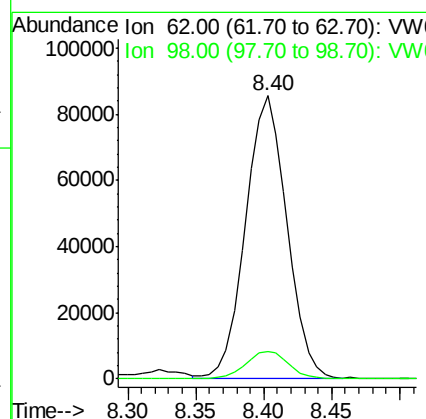
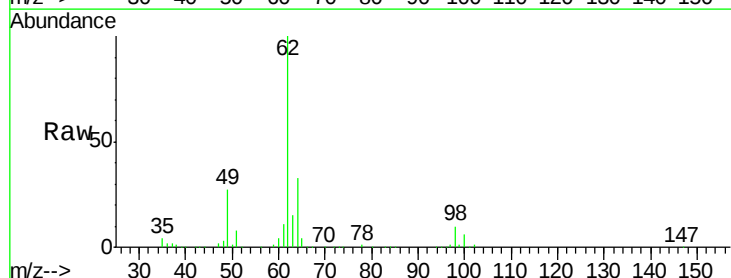
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

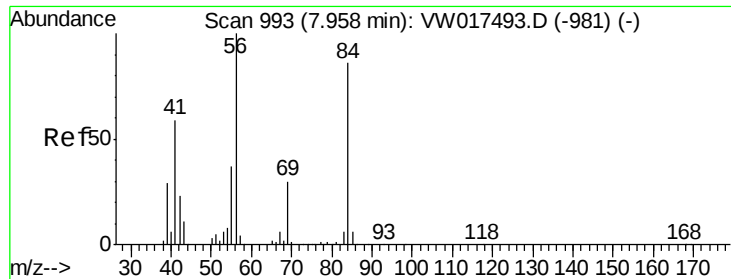
Tgt Ion: 83 Resp: 296873
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.653 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion: 62 Resp: 182376
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0

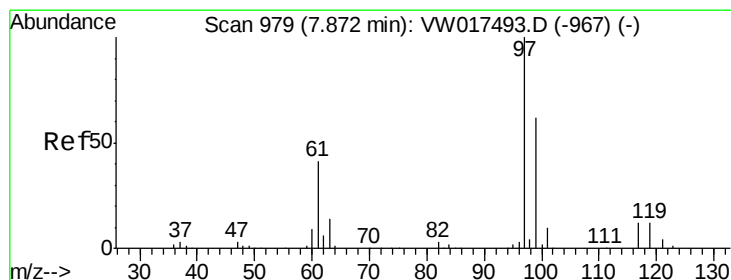
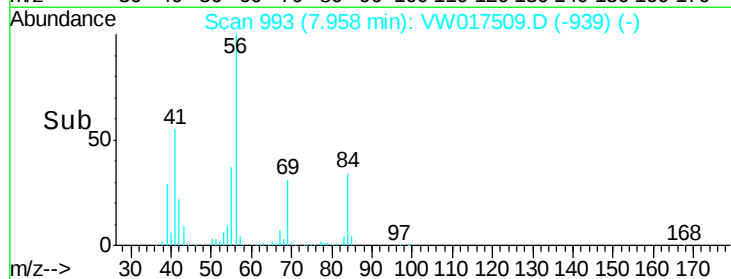
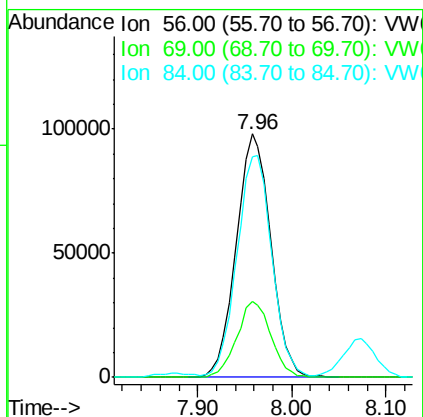
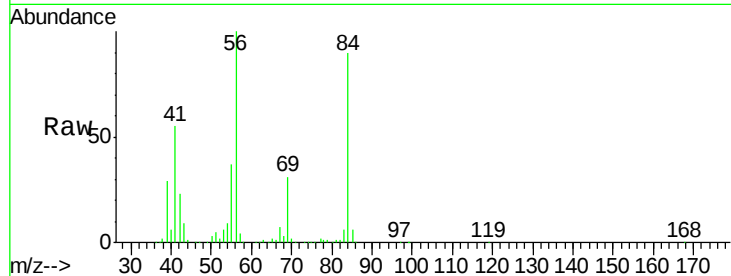




#30
Cyclohexane
Concen: 24.418 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

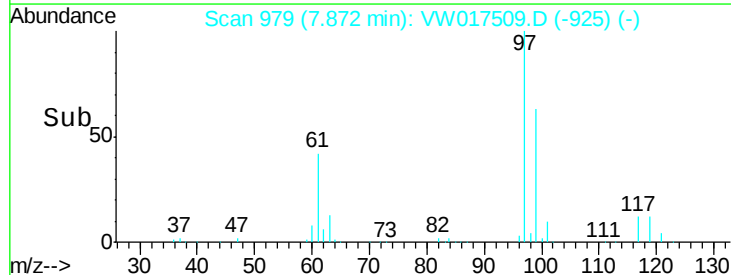
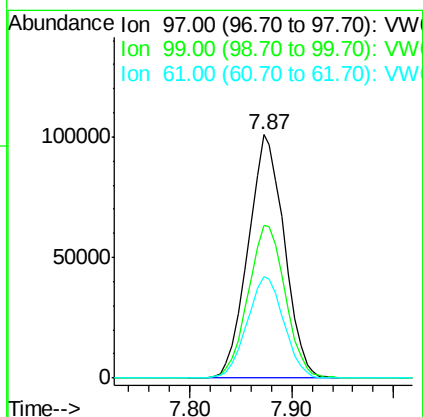
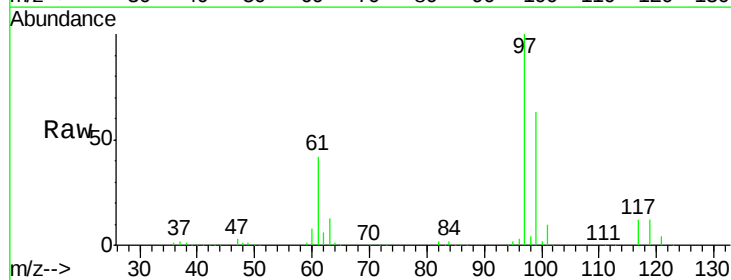
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

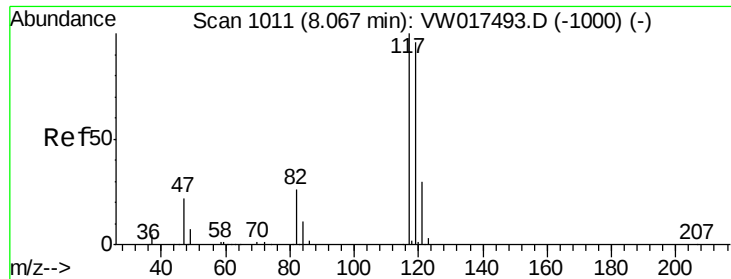
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.8	37.2
84	92.3	74.2	111.4



#31
1,1,1-Trichloroethane
Concen: 24.539 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	42.3	33.6	50.4





#32

Carbon tetrachloride

Concen: 24.922 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

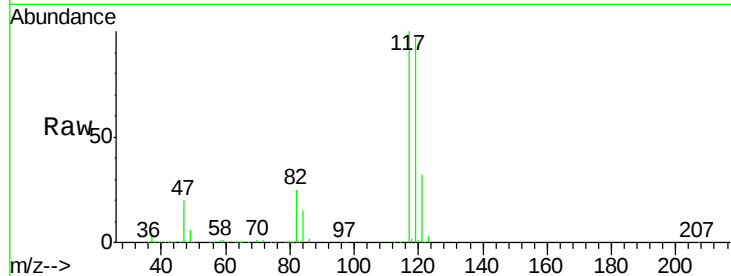
VSTD02524

Tgt Ion:117 Resp: 245827

Ion Ratio Lower Upper

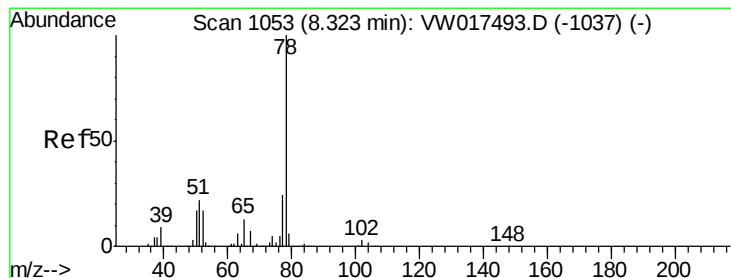
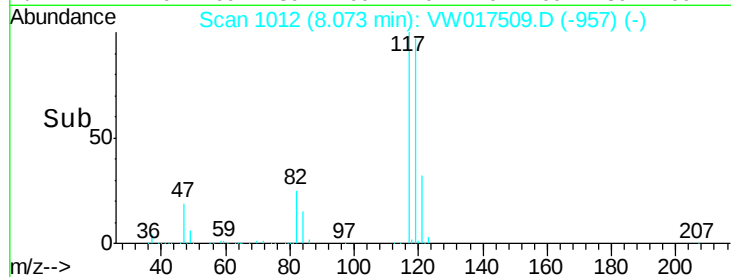
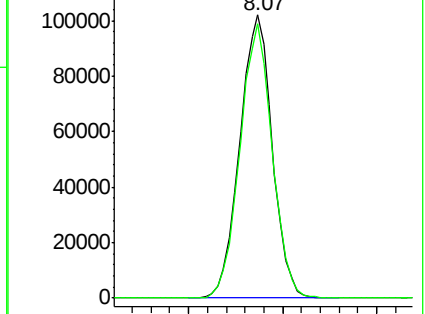
117 100

119 96.1 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.203 ug/L

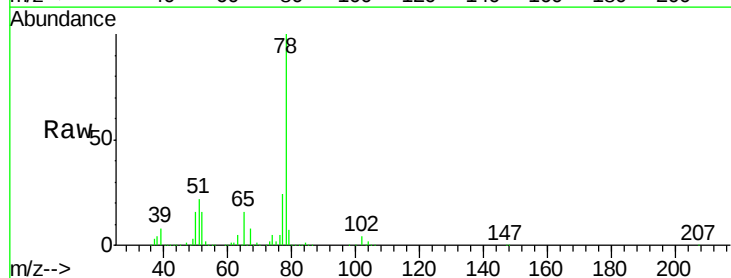
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

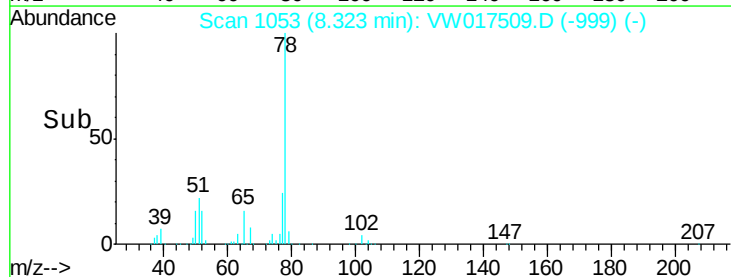
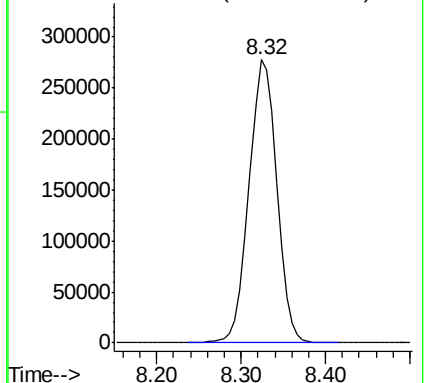
Lab File: VW017509.D

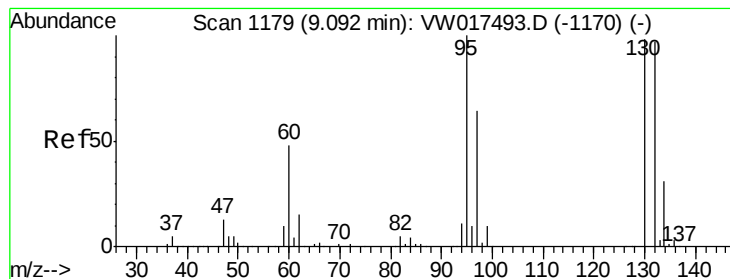
Acq: 30 Nov 2020 09:47

Tgt Ion: 78 Resp: 624362



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.036 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02524

Tgt Ion: 95 Resp: 171902

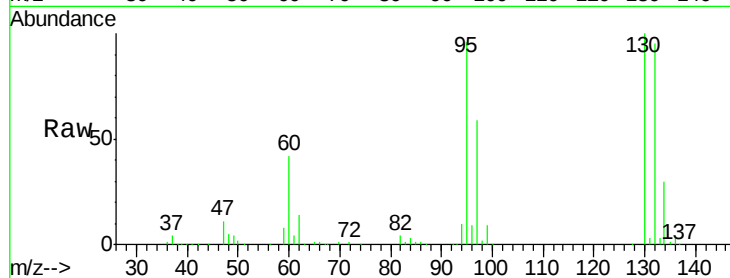
Ion Ratio Lower Upper

95 100

97 64.8 45.0 83.6

132 100.3 71.0 131.8

130 105.5 75.6 140.4

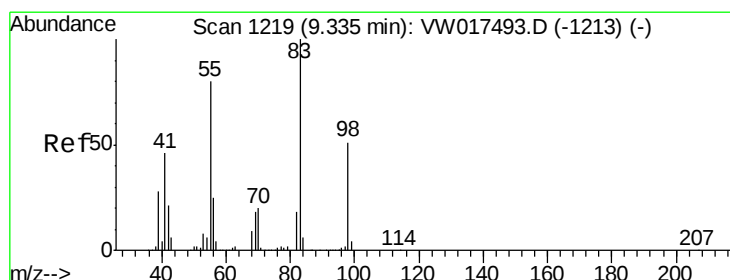
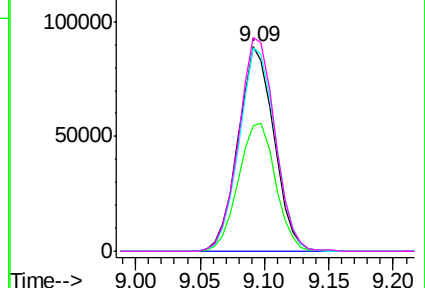
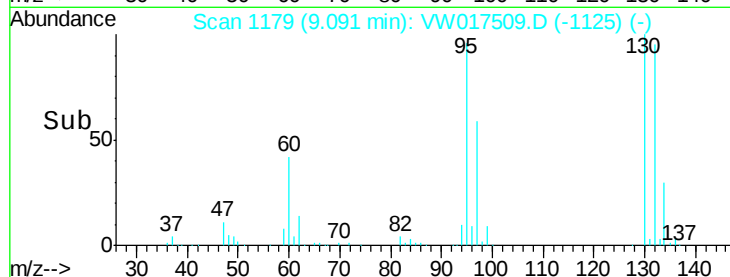


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.091 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

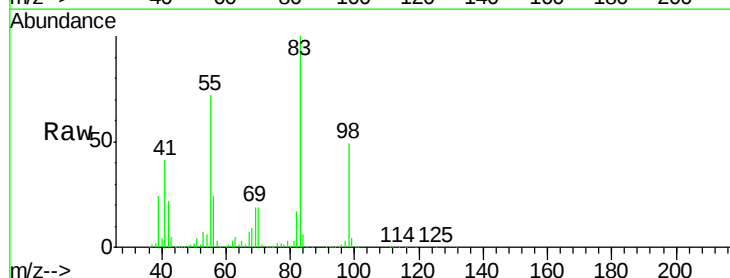
Tgt Ion: 83 Resp: 284918

Ion Ratio Lower Upper

83 100

55 72.5 59.4 89.0

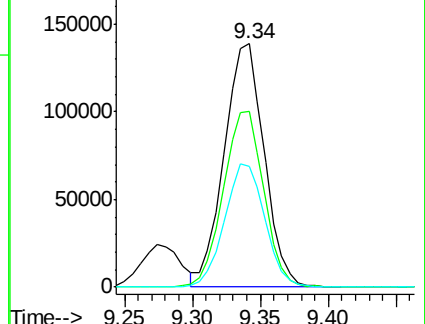
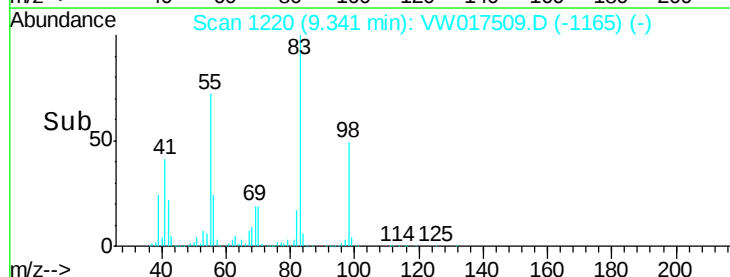
98 50.3 40.7 61.1

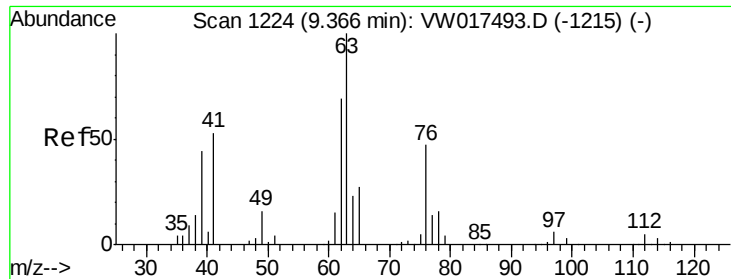


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

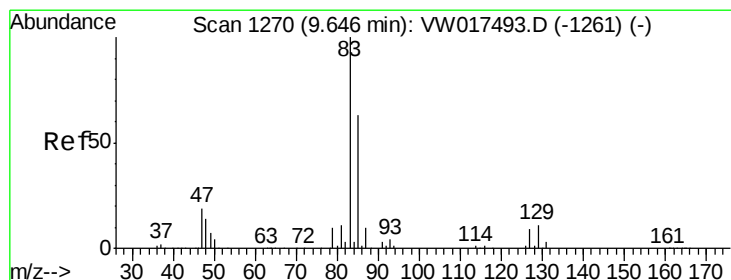
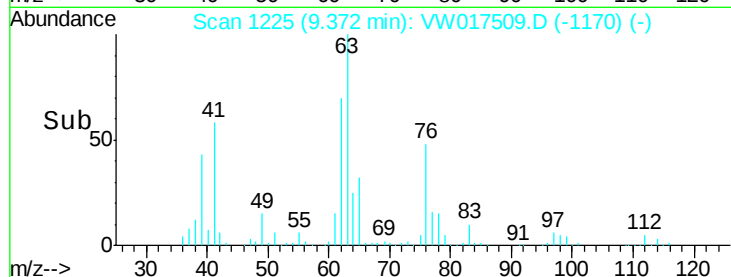
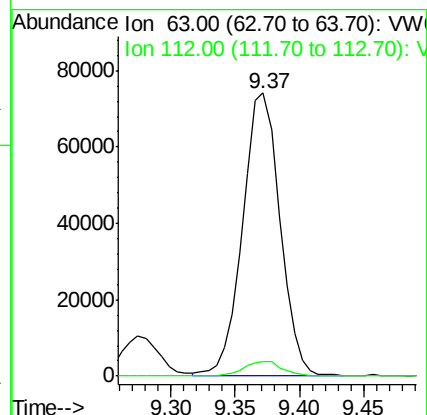
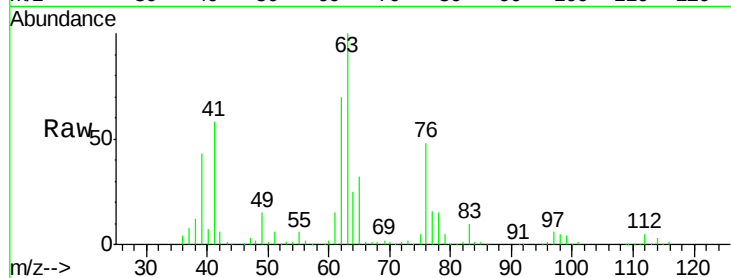




#40
 1,2-Dichloropropane
 Concen: 24.670 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

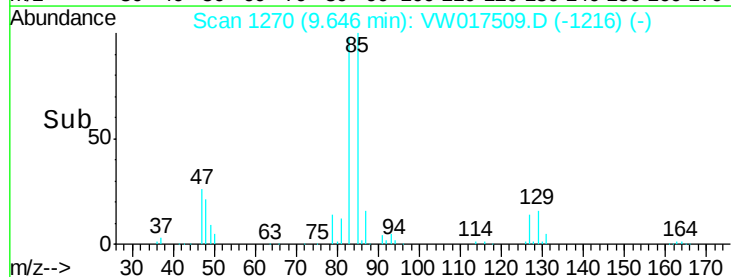
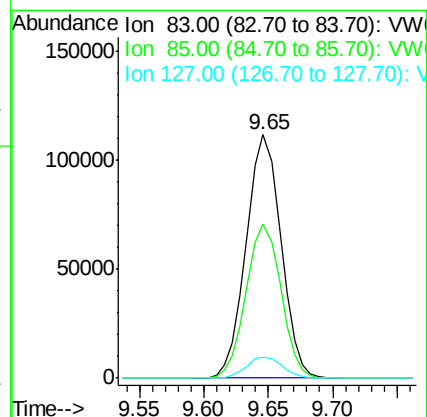
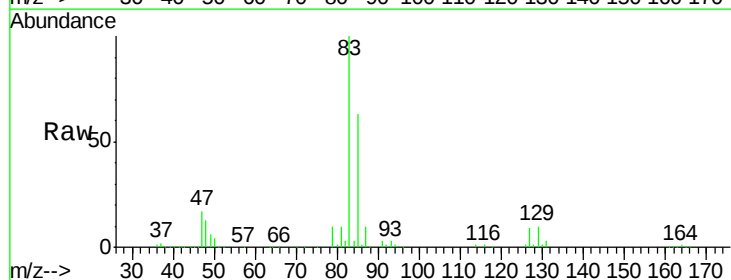
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

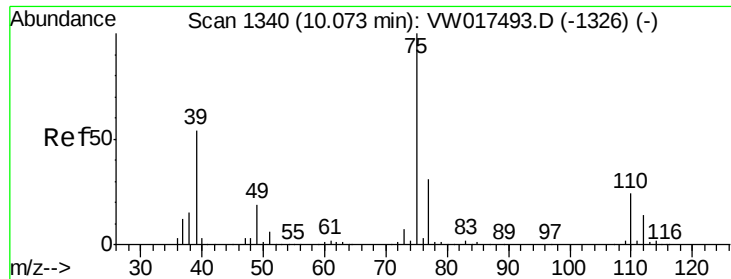
Tgt Ion: 63 Resp: 149484
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#41
 Bromodichloromethane
 Concen: 25.090 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Tgt Ion: 83 Resp: 210055
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.8 86.8
 127 8.6 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 25.974 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampled :

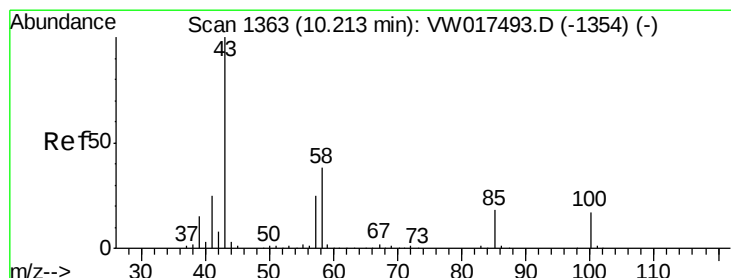
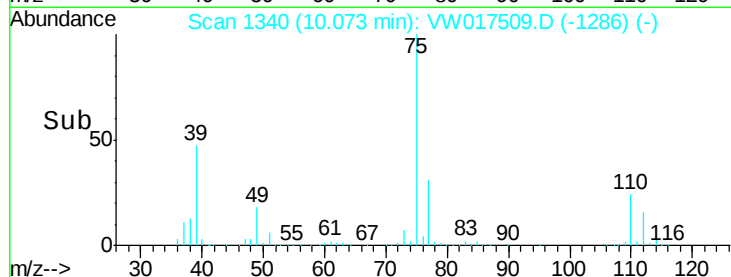
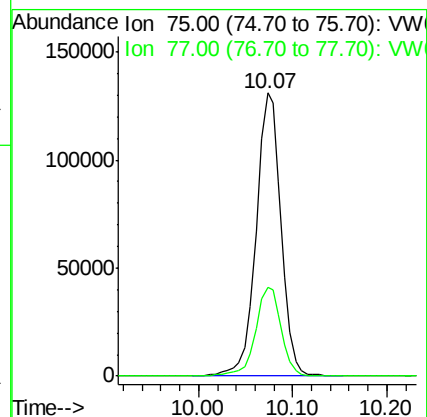
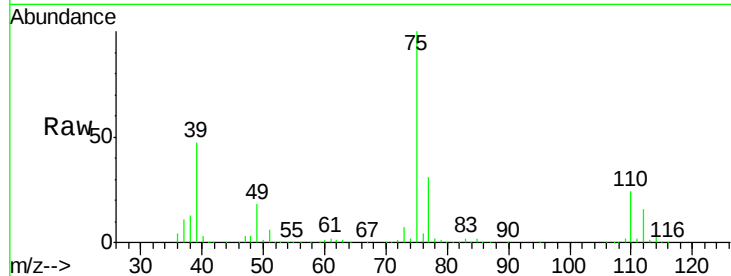
VSTD02524

Tgt Ion: 75 Resp: 243774

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 58.029 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

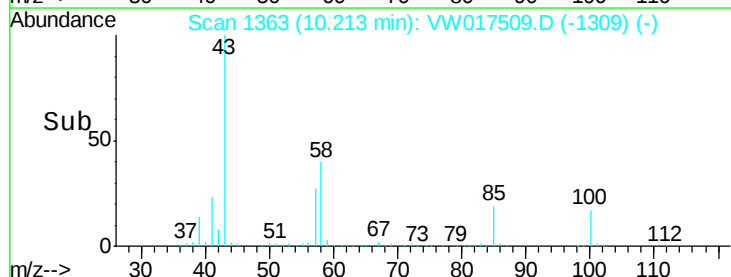
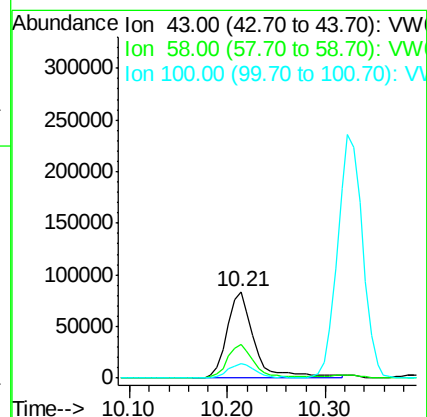
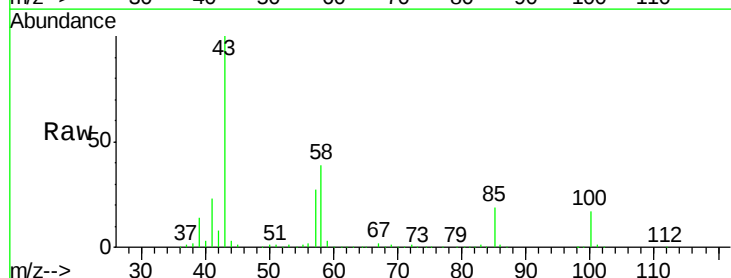
Tgt Ion: 43 Resp: 161878

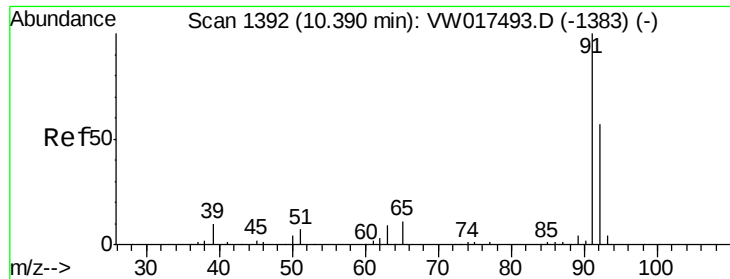
Ion Ratio Lower Upper

43 100

58 38.6 31.6 47.4

100 16.2 14.1 21.1





#44

Toluene

Concen: 24.900 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampled :

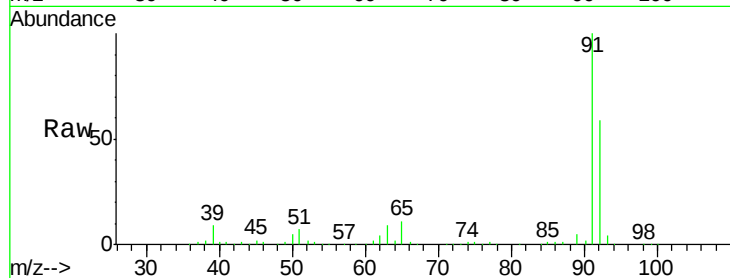
VSTD02524

Tgt Ion: 91 Resp: 691225

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

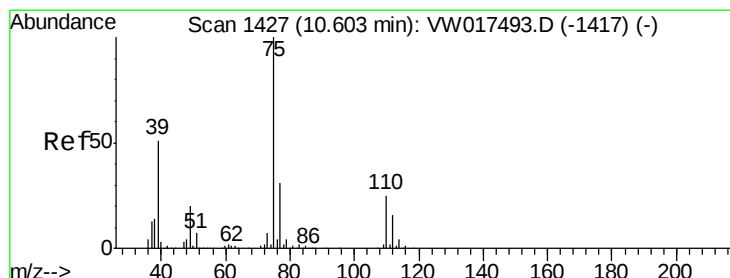
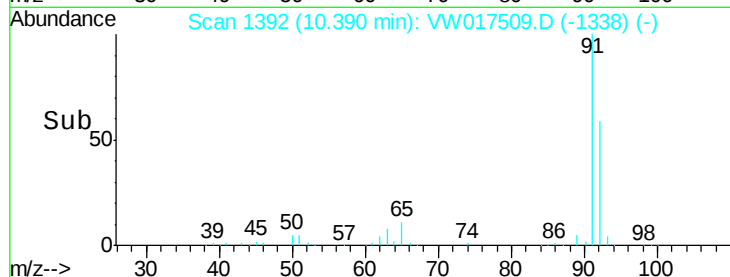
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.538 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017509.D

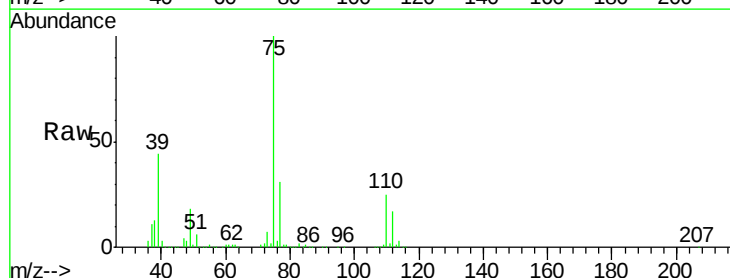
Acq: 30 Nov 2020 09:47

Tgt Ion: 75 Resp: 213440

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

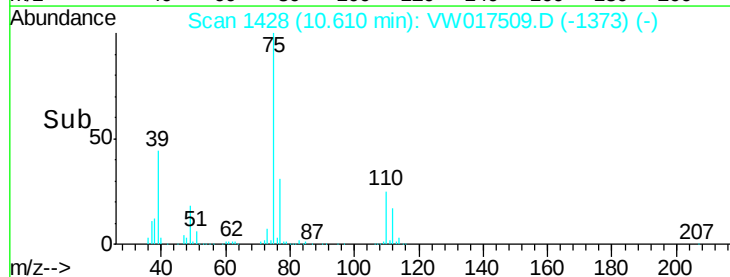
10.61

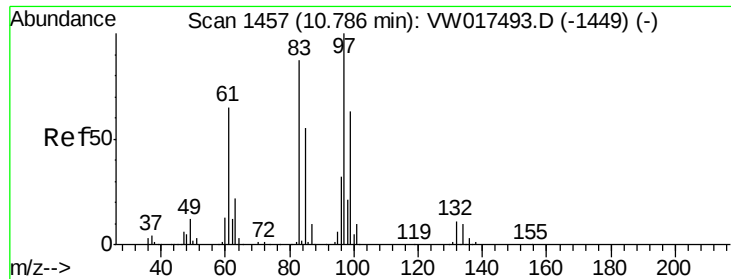
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.454 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

Tgt Ion: 97 Resp: 115568

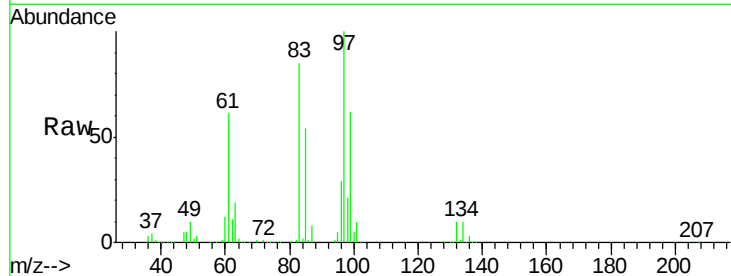
Ion Ratio Lower Upper

97 100

83 84.6 58.5 108.7

85 54.3 37.8 70.2

99 62.3 43.7 81.1



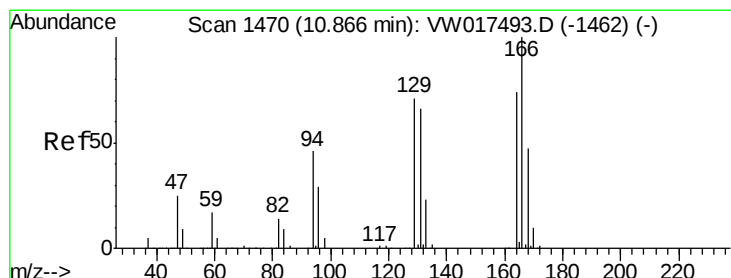
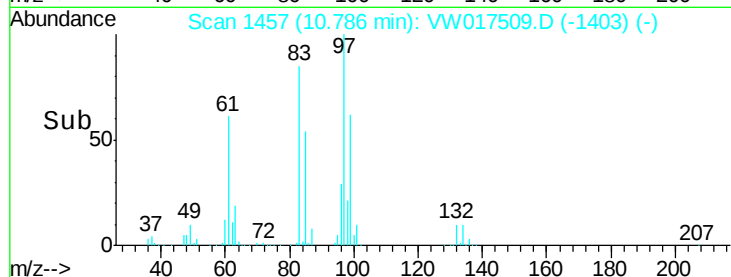
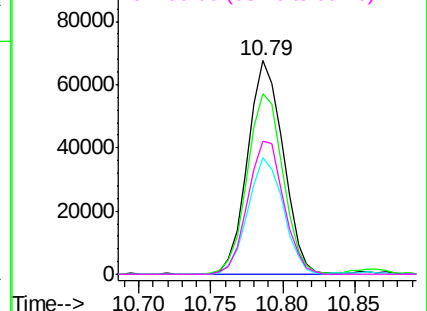
Abundance

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: 23.402 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Tgt Ion: 164 Resp: 142598

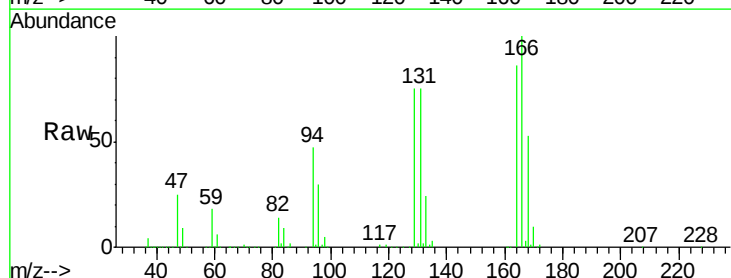
Ion Ratio Lower Upper

164 100

129 87.6 67.6 125.6

131 86.5 65.2 121.2

166 116.0 93.2 173.2



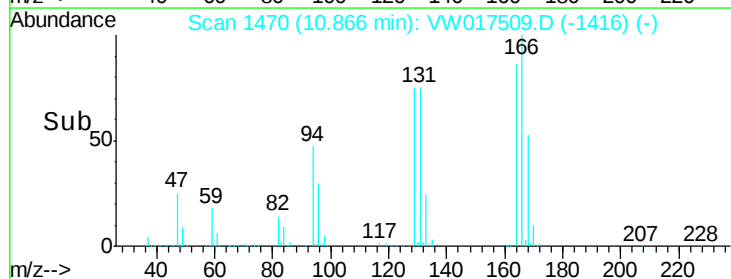
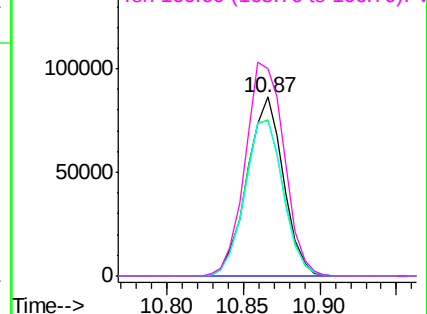
Abundance

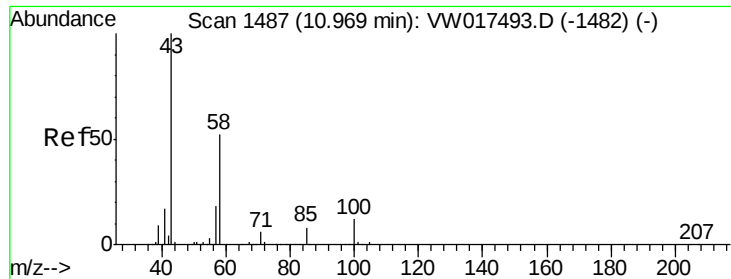
Ion 164.00 (163.70 to 164.70): V

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

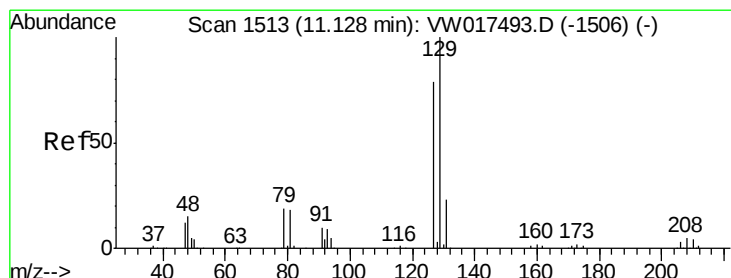
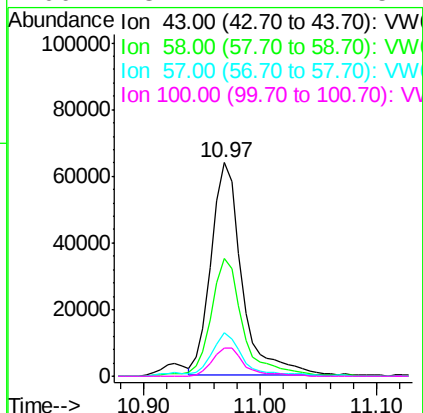
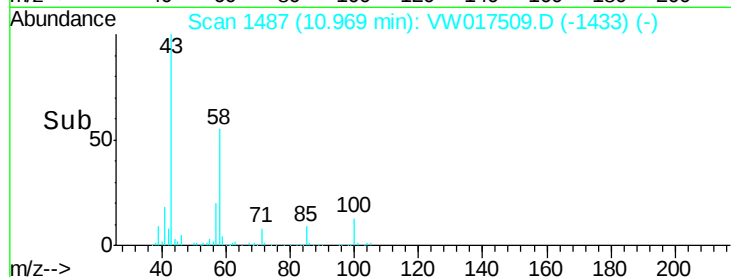
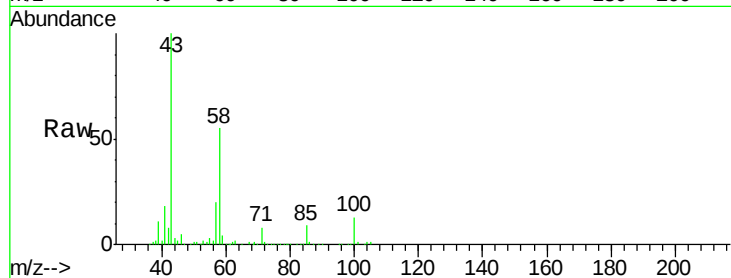




#49
2-Hexanone
Concen: 59.011 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

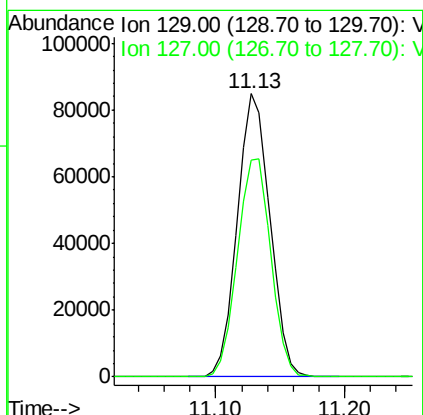
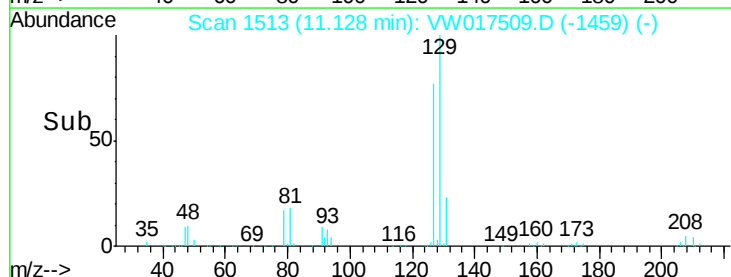
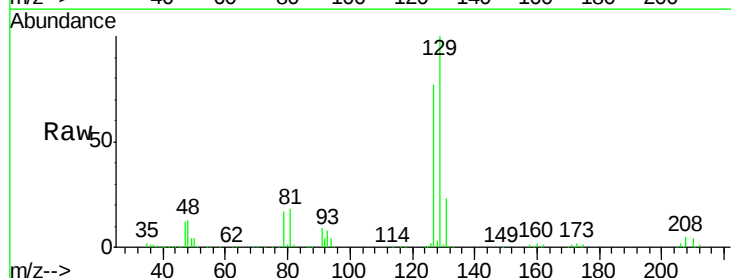
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

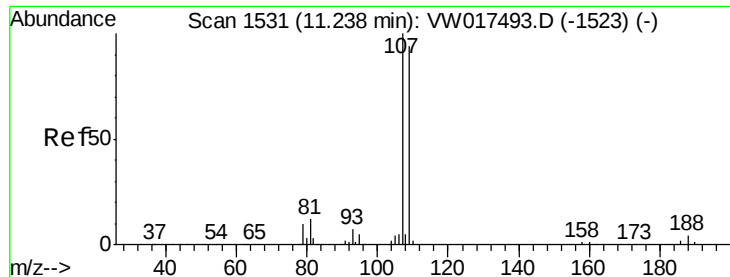
Tgt Ion:	43	Resp:	116258
Ion	Ratio	Lower	Upper
43	100		
58	57.2	51.3	76.9
57	20.6	15.0	22.6
100	13.4	12.2	18.2



#50
Dibromochloromethane
Concen: 26.247 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion:	129	Resp:	148853
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.2	98.8

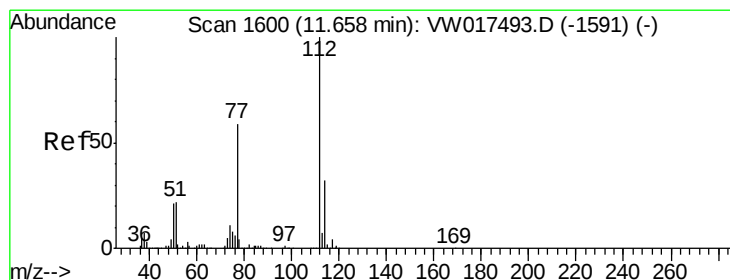
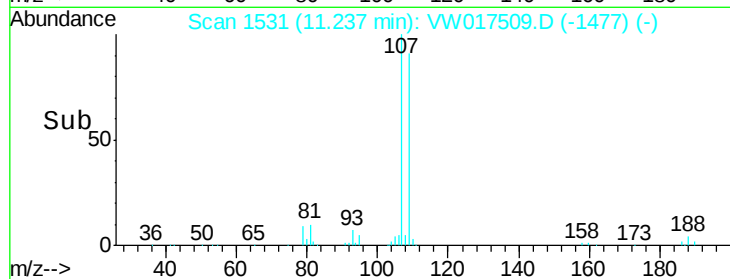
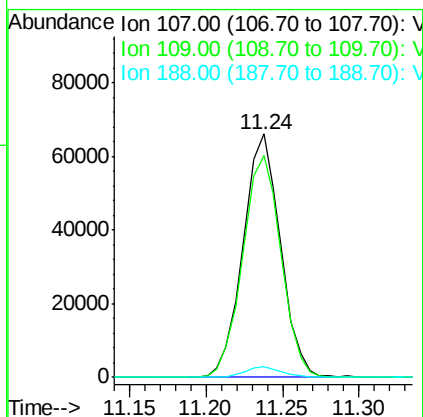
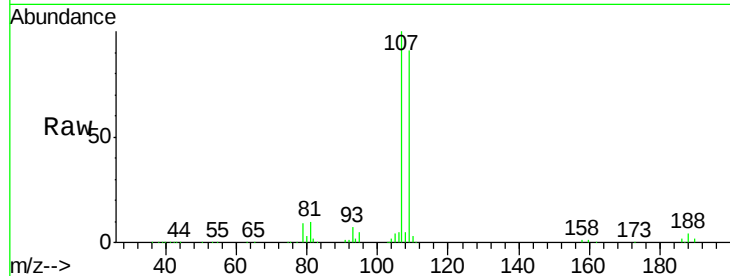




#51
 1,2-Dibromoethane
 Concen: 25.802 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

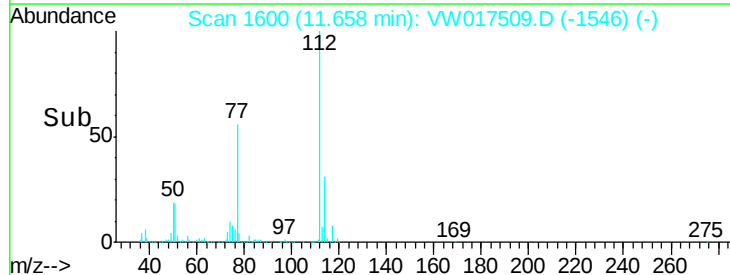
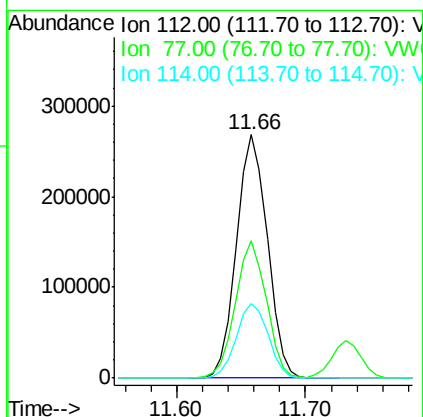
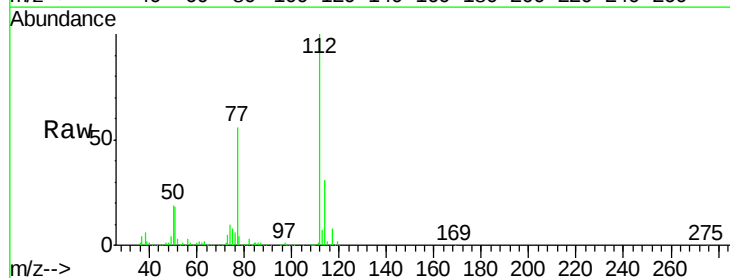
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

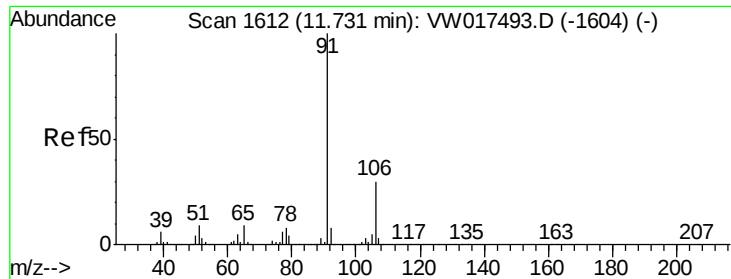
Tgt Ion:107 Resp: 112269
 Ion Ratio Lower Upper
 107 100
 109 91.1 66.4 123.2
 188 4.1 4.0 6.0



#52
 Chlorobenzene
 Concen: 24.562 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Tgt Ion:112 Resp: 446487
 Ion Ratio Lower Upper
 112 100
 77 56.2 42.6 64.0
 114 30.8 21.6 40.2

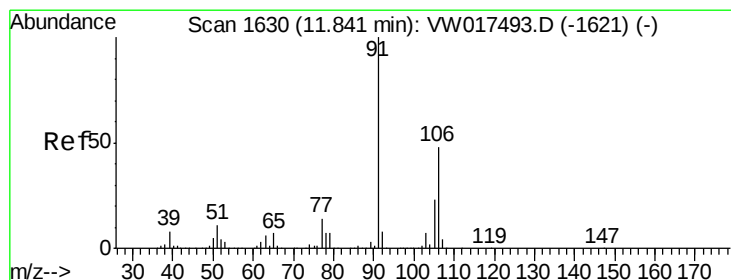
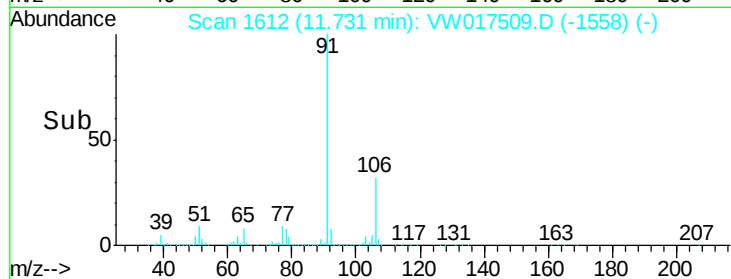
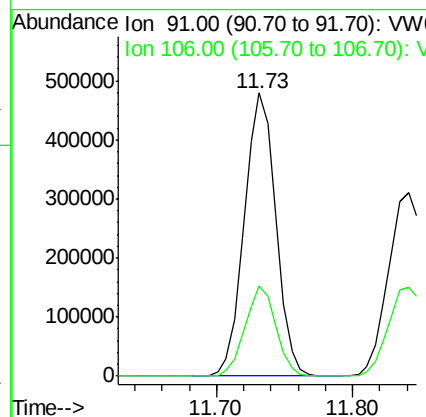
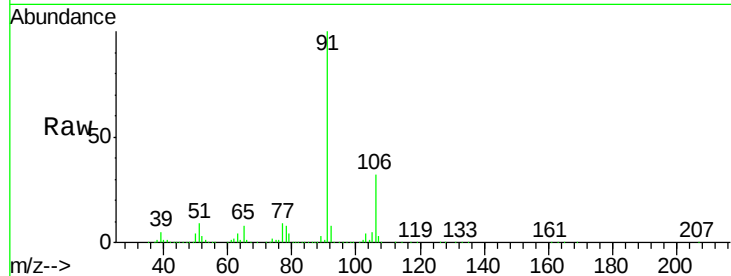




#53
Ethylbenzene
Concen: 24.711 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

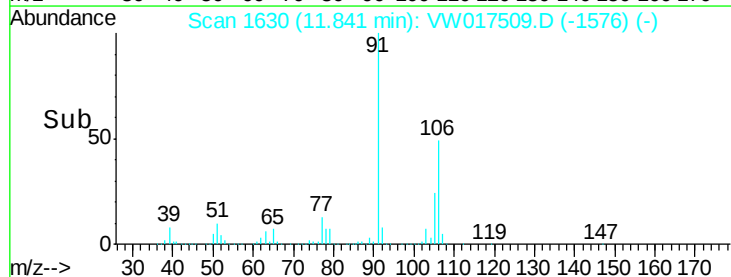
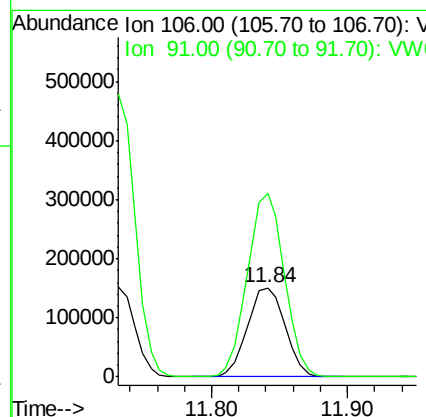
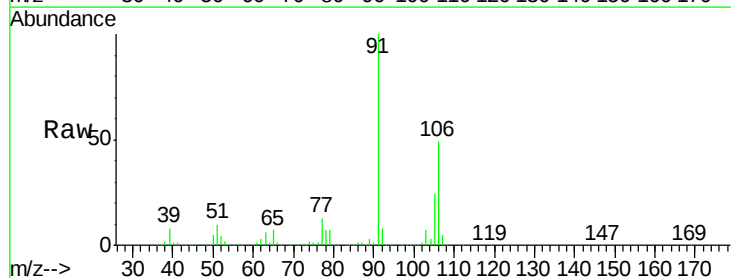
Instrument :
MSVOA_W
ClientSampleId :
VSTD02524

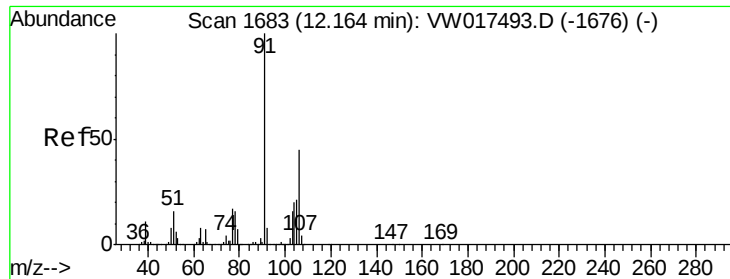
Tgt Ion: 91 Resp: 777782
Ion Ratio Lower Upper
91 100
106 31.9 21.1 39.1



#54
m,p-Xylene
Concen: 24.512 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion: 106 Resp: 294364
Ion Ratio Lower Upper
106 100
91 204.9 136.4 253.4

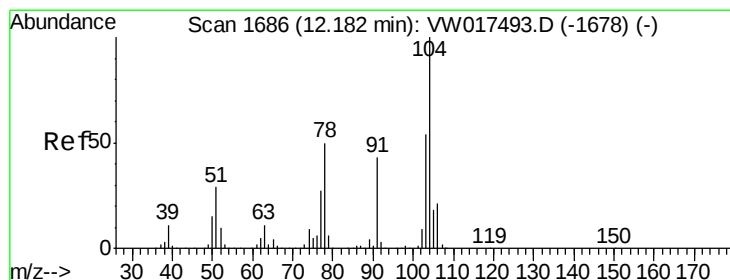
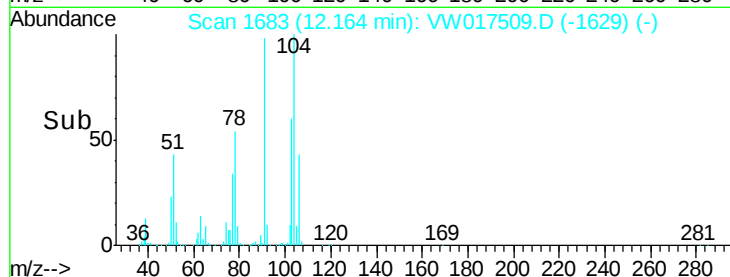
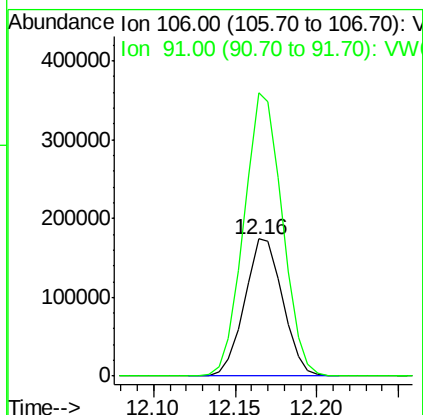
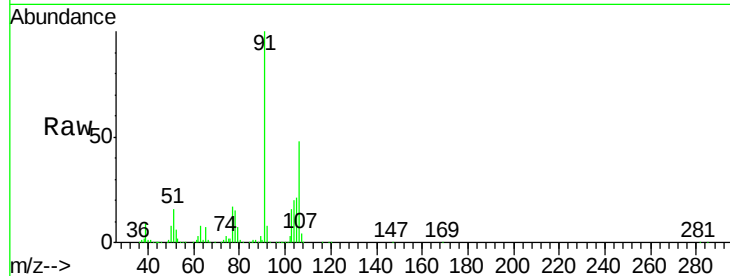




#55
o-xylene
Concen: 25.260 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

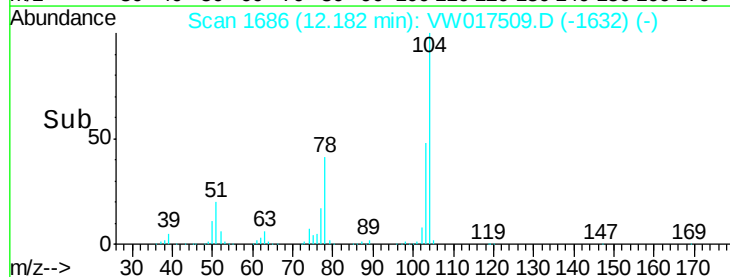
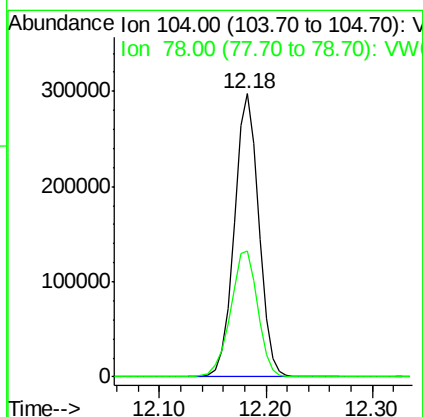
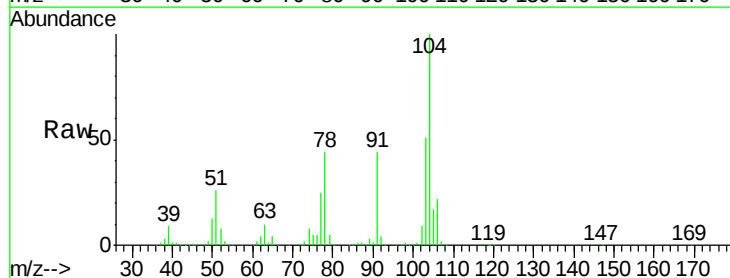
Instrument :
MSVOA_W
ClientSampled :
VSTD02524

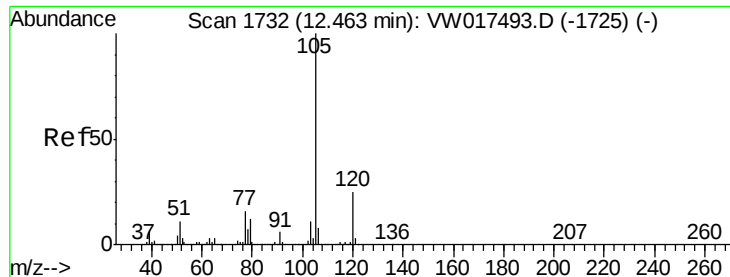
Tgt Ion:106 Resp: 282534
Ion Ratio Lower Upper
106 100
91 206.6 147.6 274.2



#56
Styrene
Concen: 25.509 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017509.D
Acq: 30 Nov 2020 09:47

Tgt Ion:104 Resp: 479975
Ion Ratio Lower Upper
104 100
78 44.3 31.3 58.1





#57

Isopropylbenzene

Concen: 25.153 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

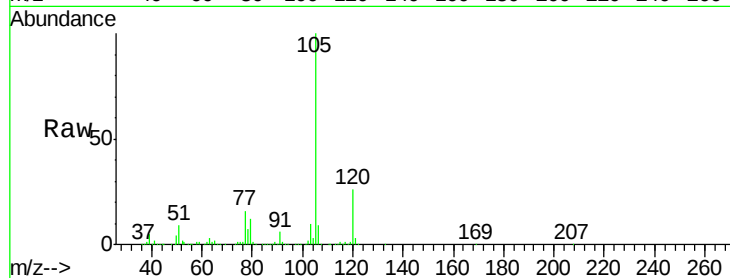
Tgt Ion: 105 Resp: 772760

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

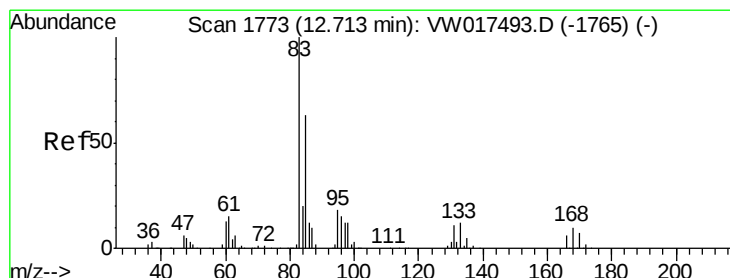
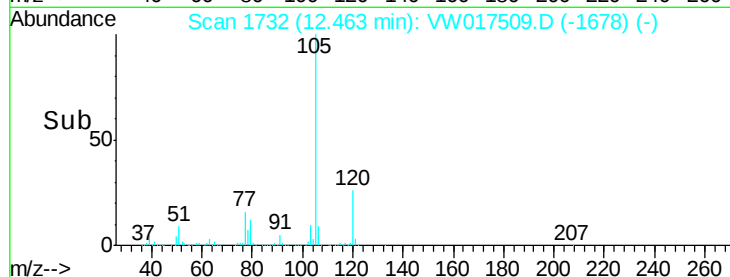
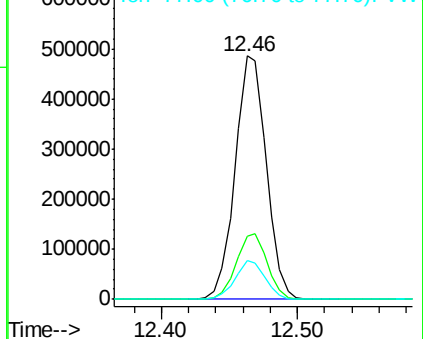
77 15.5 12.1 18.1



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: 27.084 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

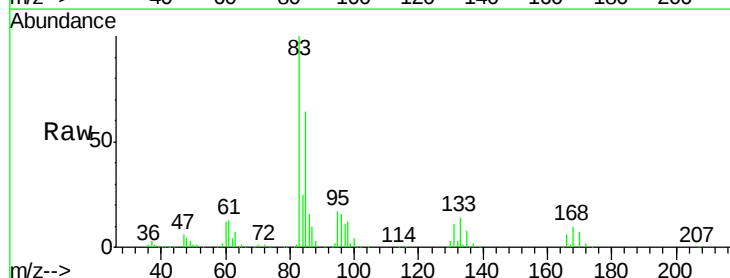
Tgt Ion: 83 Resp: 132352

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

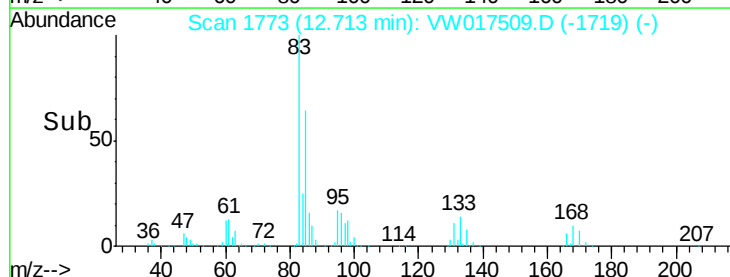
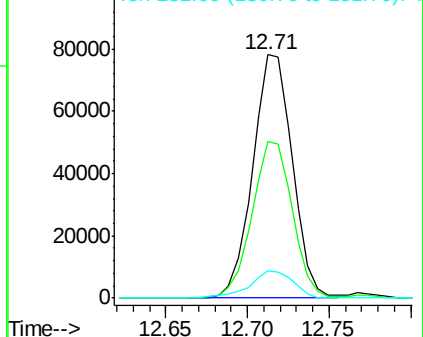
131 11.3 8.3 12.5

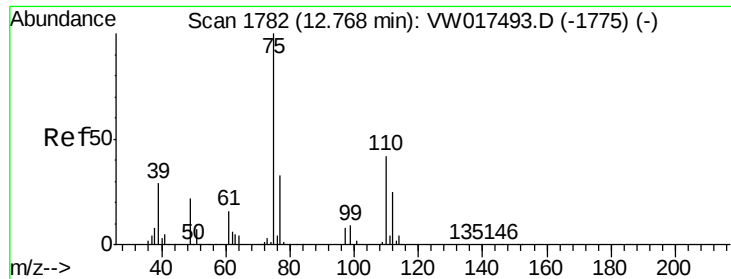


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.711 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

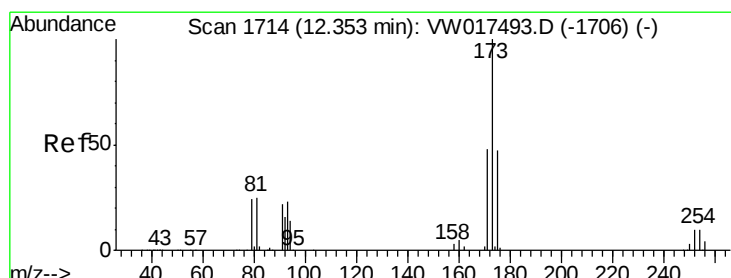
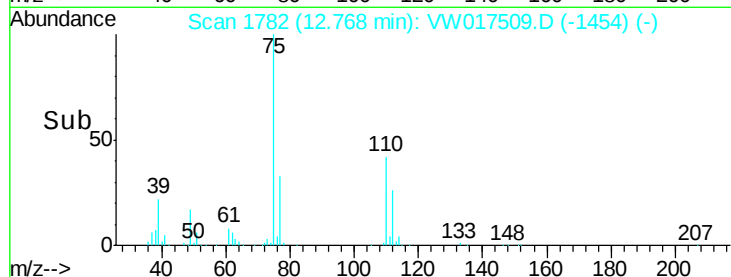
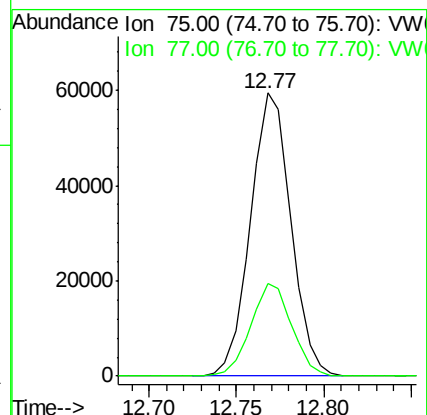
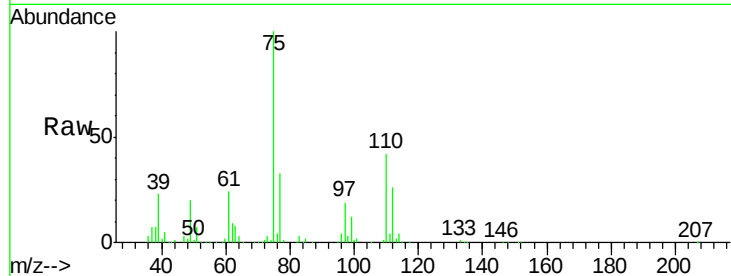
VSTD02524

Tgt Ion: 75 Resp: 96344

Ion Ratio Lower Upper

75 100

77 33.0 26.6 39.8



#62

Bromoform

Concen: 27.219 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

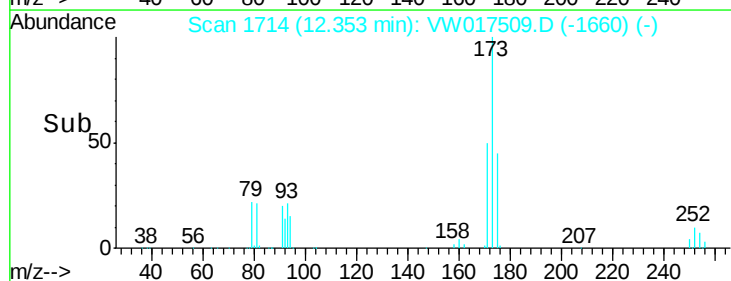
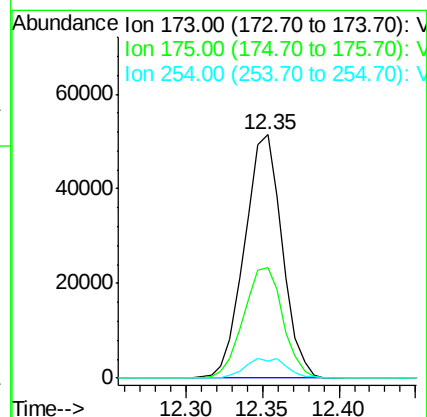
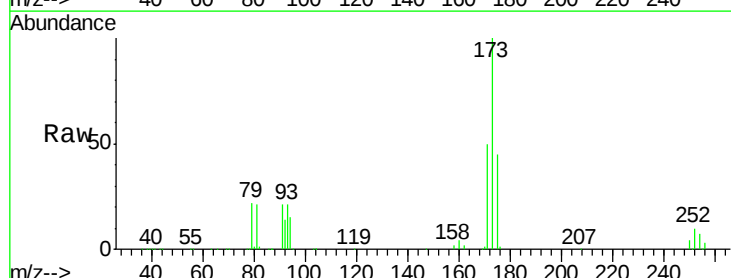
Tgt Ion: 173 Resp: 87988

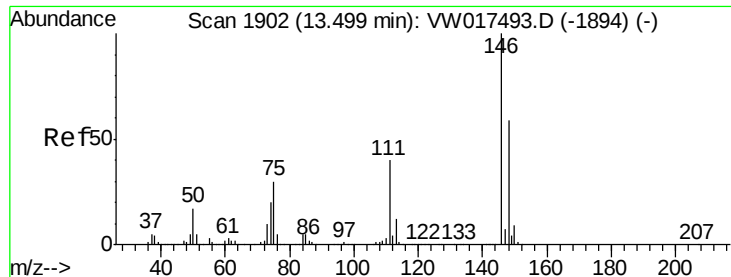
Ion Ratio Lower Upper

173 100

175 47.5 39.1 58.7

254 8.8 7.1 10.7

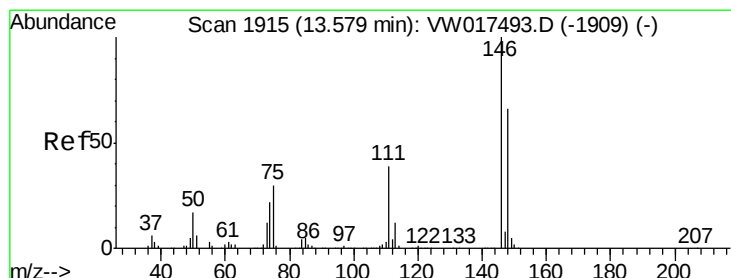
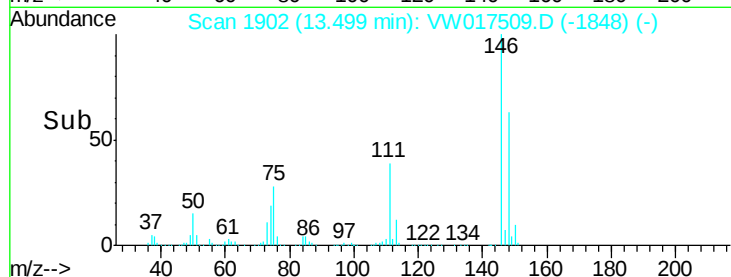
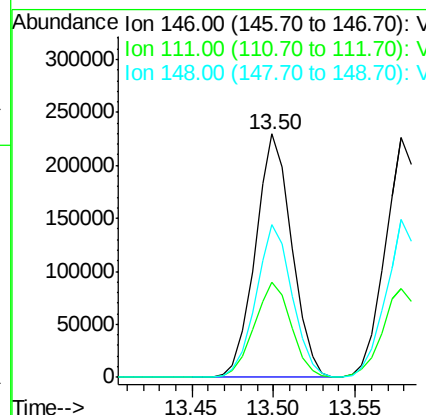
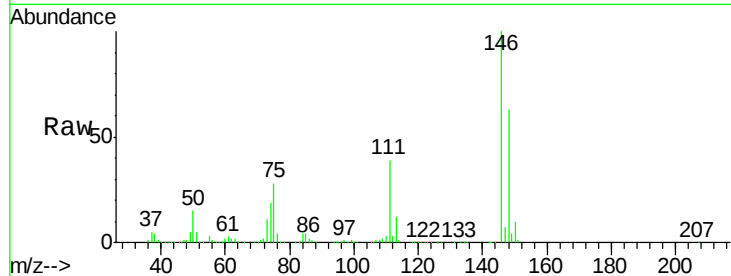




#63
 1,3-Dichlorobenzene
 Concen: 24.179 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

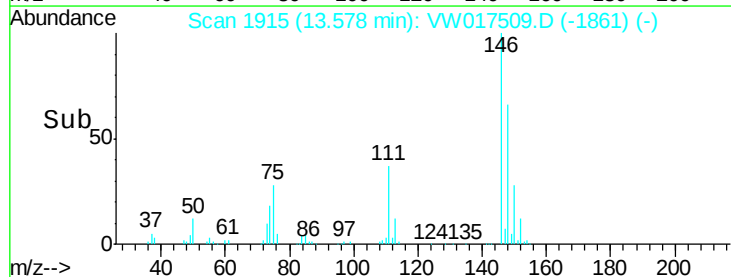
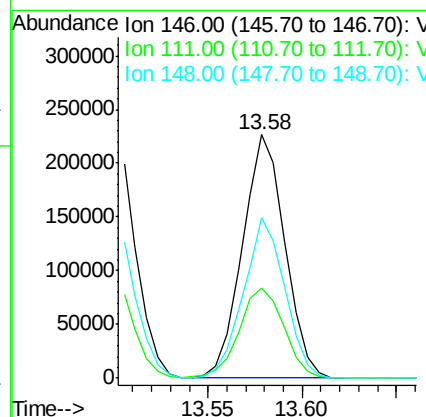
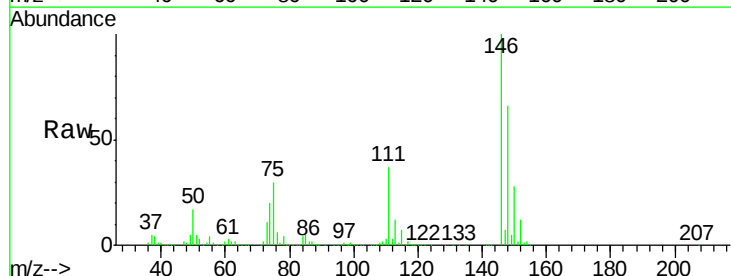
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

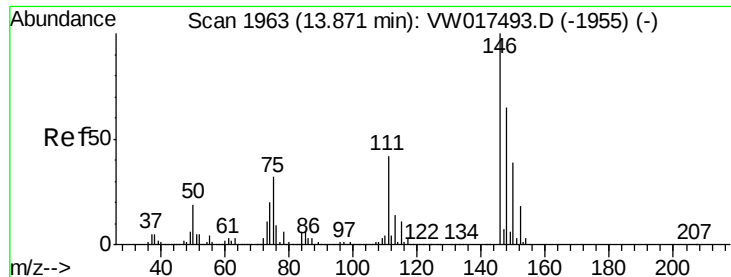
Tgt Ion:146 Resp: 355514
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.5 52.9
 148 62.7 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.234 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Tgt Ion:146 Resp: 353002
 Ion Ratio Lower Upper
 146 100
 111 37.1 27.7 51.5
 148 65.7 47.0 87.2

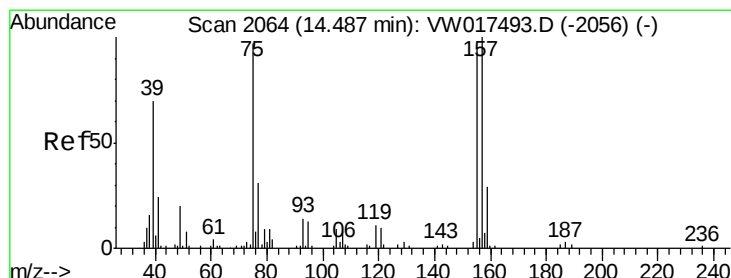
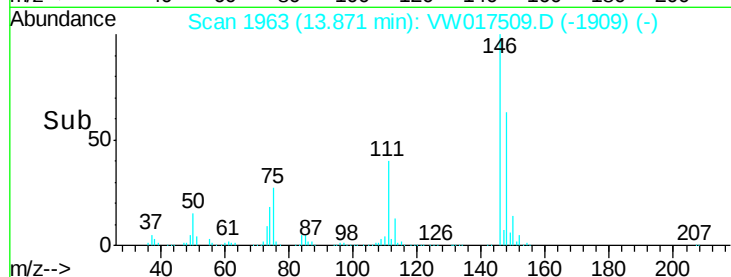
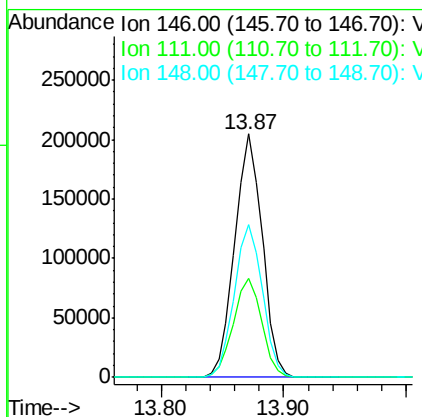
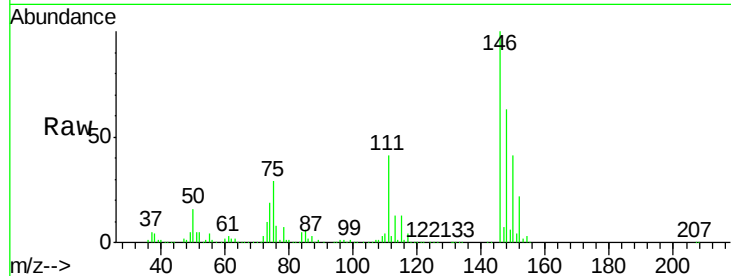




#65
 1,2-Dichlorobenzene
 Concen: 24.956 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

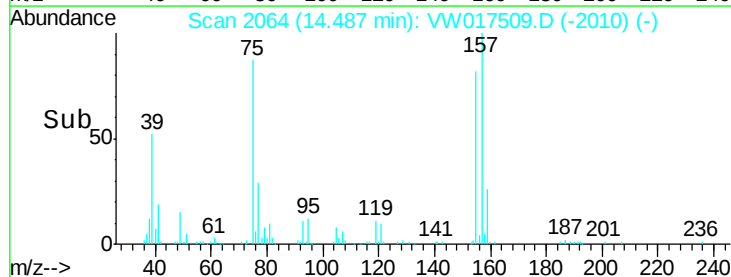
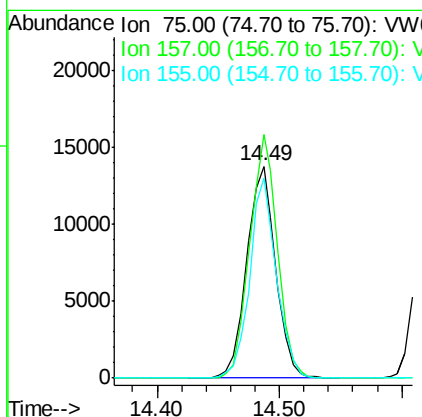
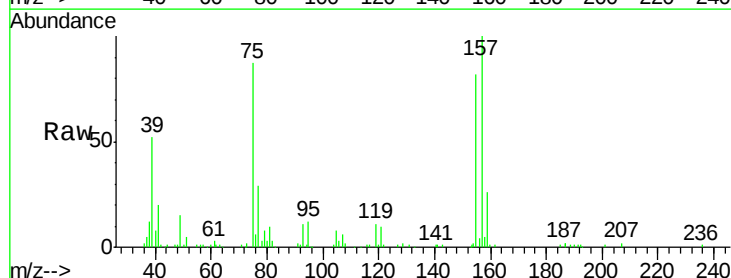
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

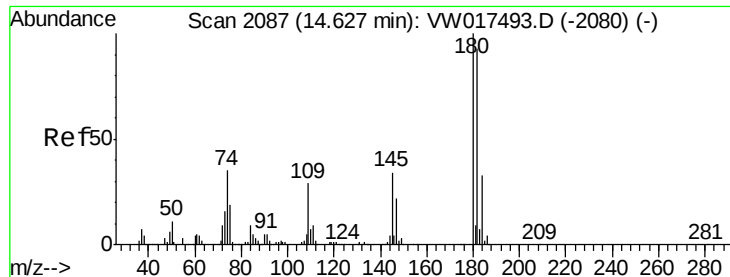
Tgt Ion:146 Resp: 319609
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.7 47.5
 148 62.9 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.276 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Tgt Ion: 75 Resp: 22491
 Ion Ratio Lower Upper
 75 100
 157 114.9 99.9 149.9
 155 94.4 71.4 107.0

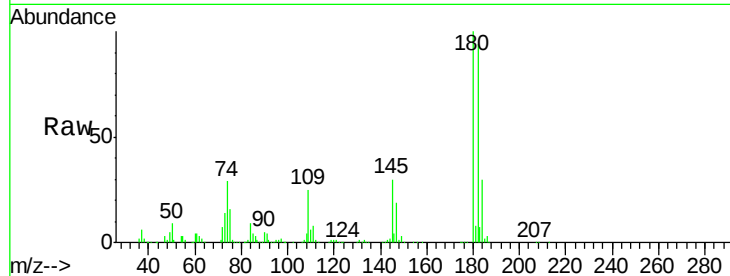




#67
 1,3,5-Trichlorobenzene
 Concen: 24.940 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
184	29.9	24.2	36.4
145	30.4	23.5	35.3

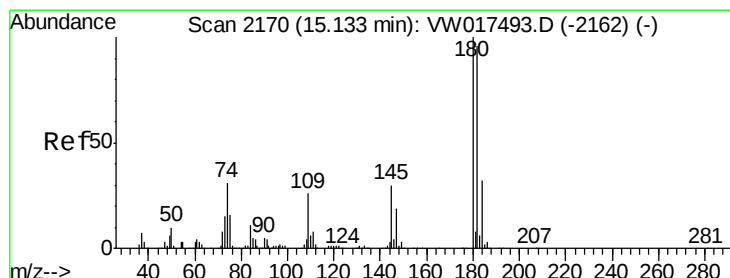
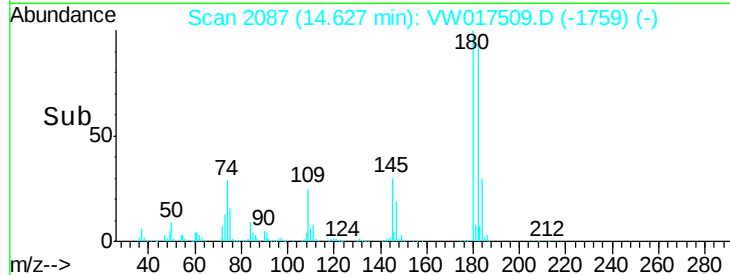
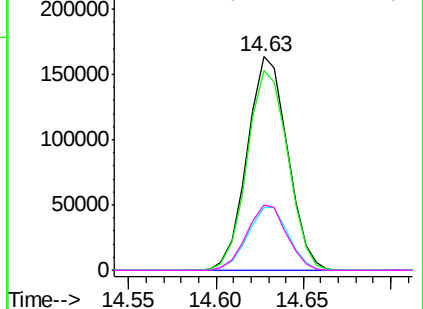


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

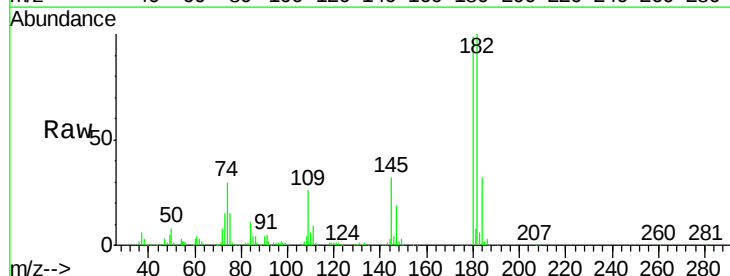
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.858 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017509.D
 Acq: 30 Nov 2020 09:47

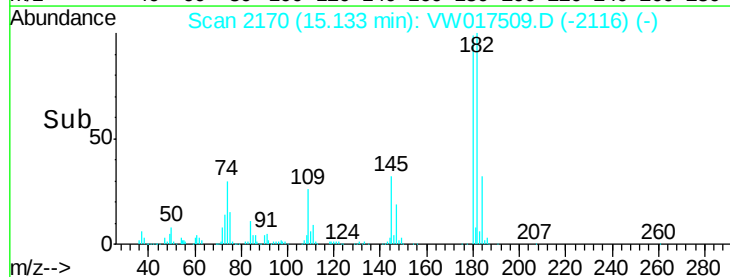
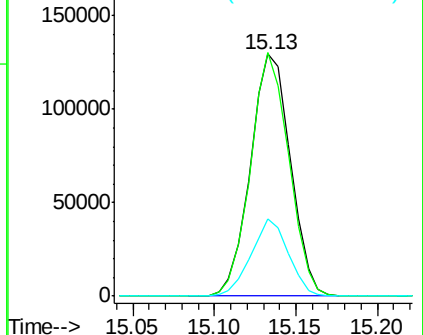
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	71.3	106.9
145	30.0	24.0	36.0

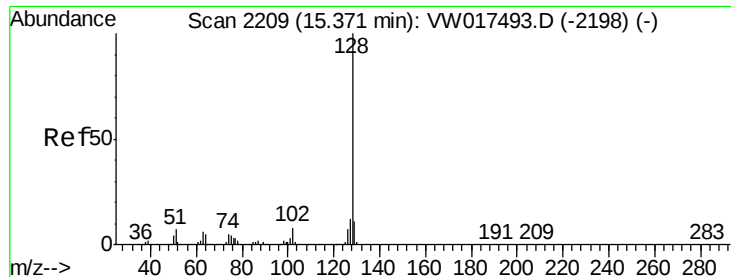


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 28.859 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02524

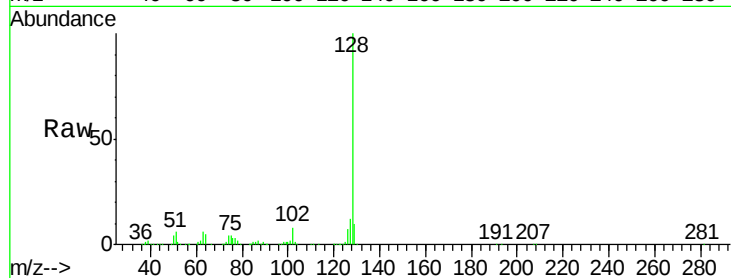
Tgt Ion:128 Resp: 379438

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

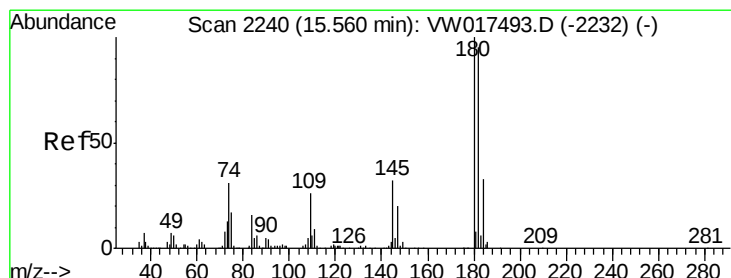
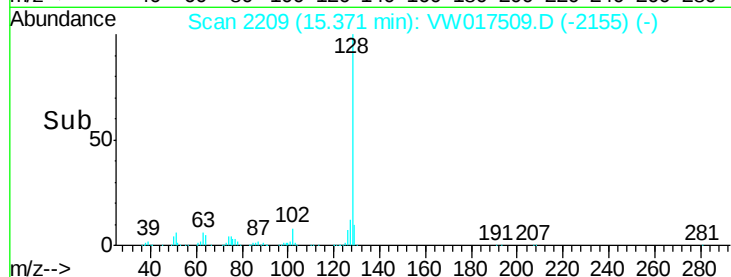
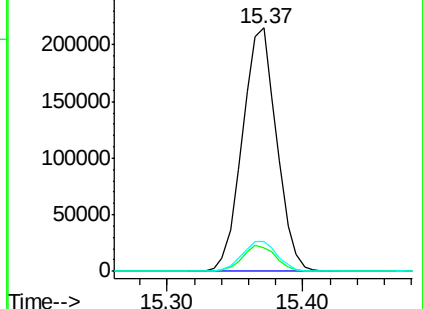
127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.865 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017509.D

Acq: 30 Nov 2020 09:47

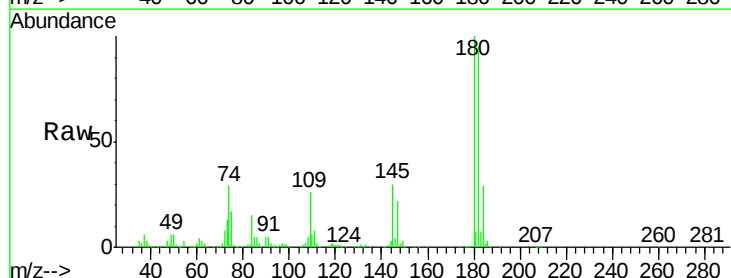
Tgt Ion:180 Resp: 190817

Ion Ratio Lower Upper

180 100

182 95.1 74.7 112.1

145 32.1 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

