

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113020\
 Data File : VW017514.D
 Acq On : 30 Nov 2020 13:32
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Nov 30 15:03:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 30 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	463061	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	413087	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	224150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133762	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
7) Chloroethane-d5	2.89	69	107577	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
10) 1,1-Dichloroethene-d2	4.02	63	297801	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.84%
20) 2-Butanone-d5	7.08	46	75987	59.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.30%
24) Chloroform-d	7.65	84	302440	22.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.96%
26) 1,2-Dichloroethane-d4	8.31	65	160463	24.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.44%
29) Benzene-d6	8.27	84	576718	22.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.80%
33) 1,2-Dichloropropane-d6	9.27	67	166295	23.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.64%
37) Toluene-d8	10.32	98	537462	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
38) trans-1,3-Dichloropropene-	10.58	79	78184	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.56%
39) 2-Hexanone-d5	10.93	63	55778	64.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140438	27.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	197605	23.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	86529	19.665 ug/L	93
3) Chloromethane	2.21	50	94533	20.868 ug/L	95
5) Vinyl chloride	2.37	62	140856	25.072 ug/L	100
6) Bromomethane	2.78	94	91453	22.606 ug/L	100
8) Chloroethane	2.93	64	86124	22.817 ug/L	99
9) Trichlorofluoromethane	3.26	101	124925	19.419 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	159645	24.245 ug/L #	68
12) 1,1-Dichloroethene	4.04	96	152092	23.687 ug/L	93
13) Acetone	4.13	43	73412	59.390 ug/L	94
14) Carbon disulfide	4.39	76	423536	23.062 ug/L	98
15) Methyl Acetate	4.67	43	64215	29.845 ug/L	98
16) Methylene chloride	4.92	84	161475	23.226 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	178810	25.892 ug/L #	90
18) trans-1,2-Dichloroethene	5.42	96	160763	24.357 ug/L	98
19) 1,1-Dichloroethane	6.21	63	275502	24.722 ug/L	98
21) 2-Butanone	7.17	43	92637	62.626 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	170683	24.785 ug/L	99

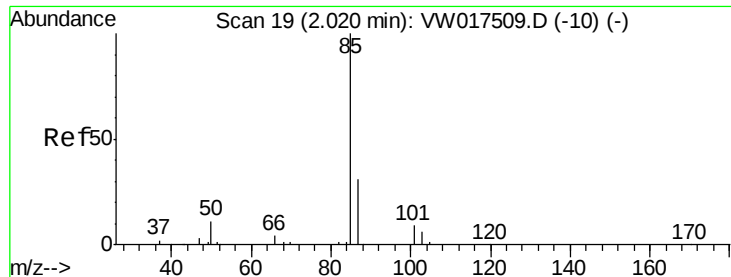
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113020\
 Data File : VW017514.D
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 30 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80458	25.720	ug/L	98
25) Chloroform	7.68	83	291293	24.760	ug/L	99
27) 1,2-Dichloroethane	8.40	62	185310	26.154	ug/L	100
30) Cyclohexane	7.96	56	249306	25.302	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	247310	25.296	ug/L	99
32) Carbon tetrachloride	8.07	117	246230	25.937	ug/L	99
34) Benzene	8.32	78	622135	25.058	ug/L	100
35) Trichloroethene	9.09	95	170143	24.719	ug/L	99
36) Methylcyclohexane	9.34	83	287586	25.266	ug/L	100
40) 1,2-Dichloropropane	9.37	63	150788	25.856	ug/L	99
41) Bromodichloromethane	9.65	83	212248	26.341	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	246054	27.240	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	173440	64.601	ug/L	98
44) Toluene	10.39	91	680465	25.469	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	218045	28.169	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	117612	26.916	ug/L	97
47) Tetrachloroethene	10.87	164	144815	24.693	ug/L	94
49) 2-Hexanone	10.97	43	133303	70.305	ug/L	90
50) Dibromochloromethane	11.13	129	149002	27.299	ug/L	98
51) 1,2-Dibromoethane	11.23	107	115444	27.567	ug/L #	99
52) Chlorobenzene	11.66	112	442152	25.273	ug/L	95
53) Ethylbenzene	11.73	91	780505	25.766	ug/L	98
54) m,p-Xylene	11.84	106	294012	25.439	ug/L	93
55) o-xylene	12.16	106	279310	25.947	ug/L	99
56) Styrene	12.18	104	479013	26.452	ug/L	99
57) Isopropylbenzene	12.46	105	772698	26.133	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	139319	29.623	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	102948	29.657	ug/L	99
62) Bromoform	12.35	173	89725	28.237	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	353730	24.474	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	360692	25.191	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	328021	26.057	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24255	29.925	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	269889	26.066	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	226933	27.112	ug/L	95
69) Naphthalene	15.36	128	394440	30.519	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	198423	28.420	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.665 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

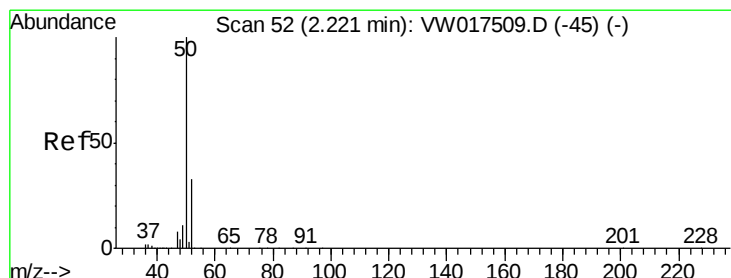
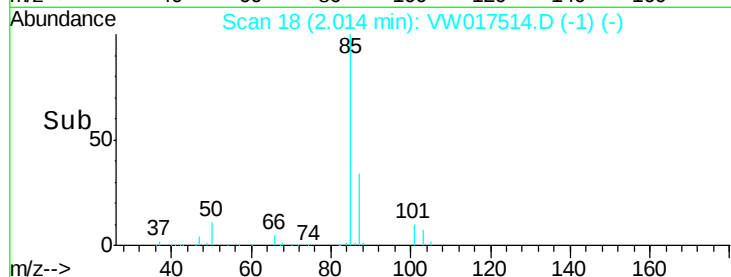
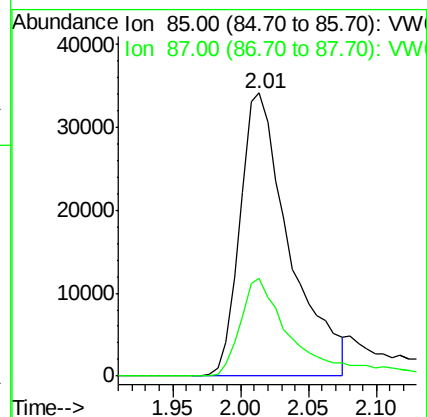
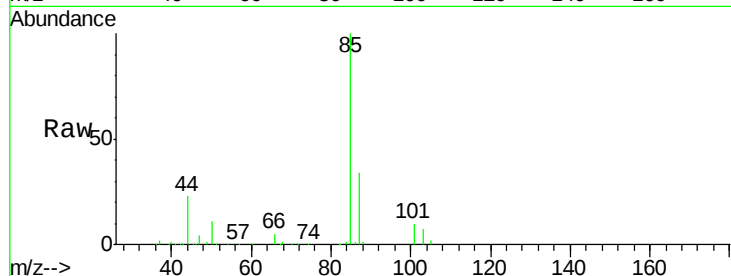
VSTD02525

Tgt Ion: 85 Resp: 86529

Ion Ratio Lower Upper

85 100

87 37.0 23.2 43.0



#3

Chloromethane

Concen: 20.868 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017514.D

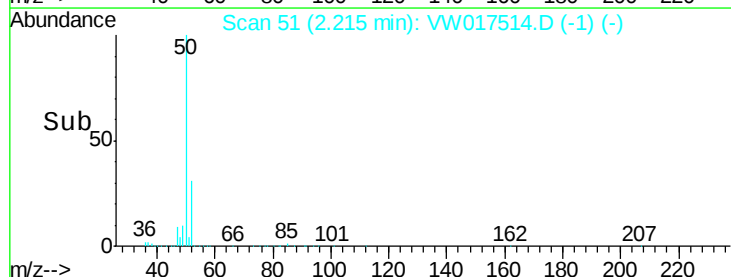
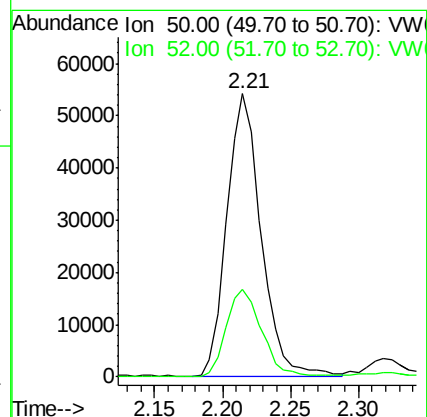
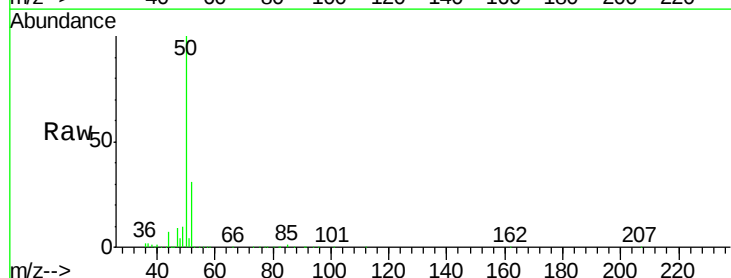
Acq: 30 Nov 2020 13:32

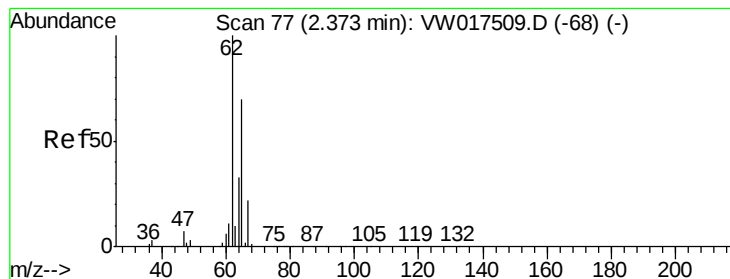
Tgt Ion: 50 Resp: 94533

Ion Ratio Lower Upper

50 100

52 30.8 23.4 43.6





#5

Vinyl chloride

Concen: 25.072 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

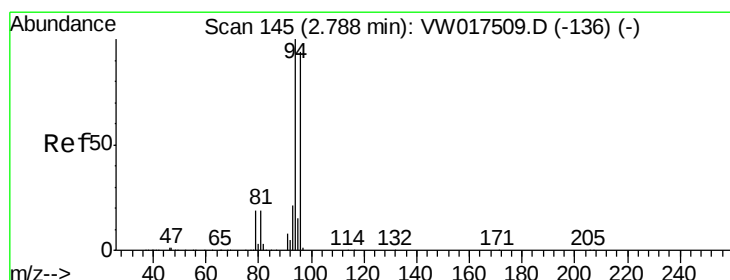
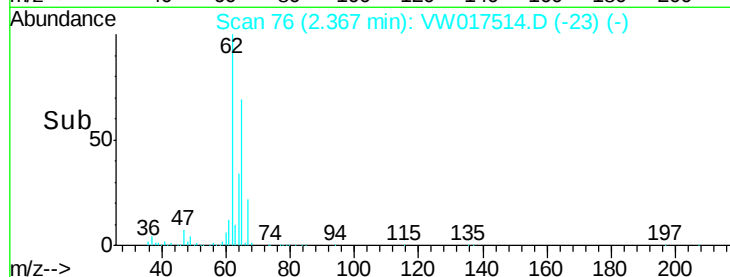
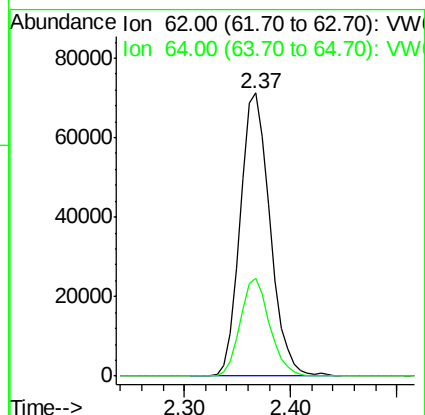
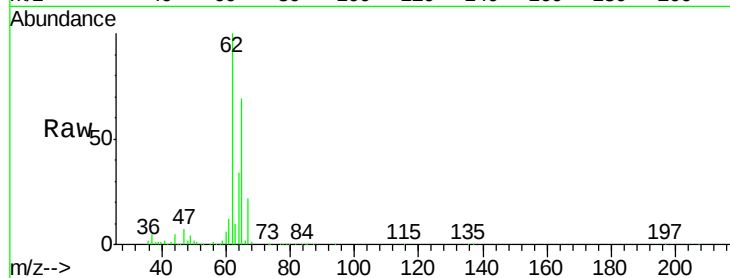
VSTD02525

Tgt Ion: 62 Resp: 140856

Ion Ratio Lower Upper

62 100

64 34.4 23.9 44.5



#6

Bromomethane

Concen: 22.606 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017514.D

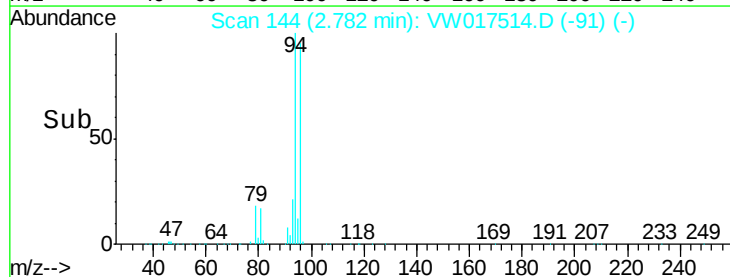
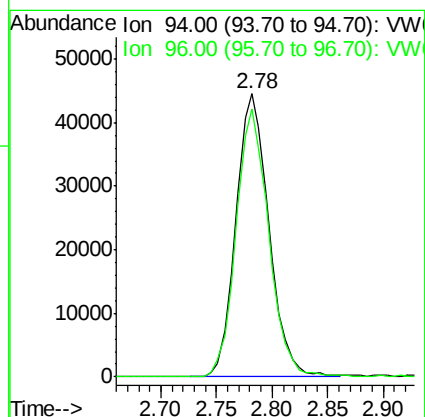
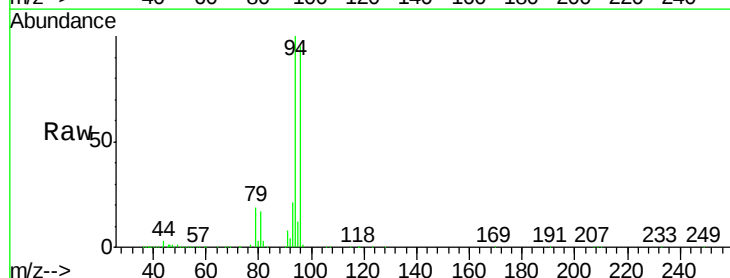
Acq: 30 Nov 2020 13:32

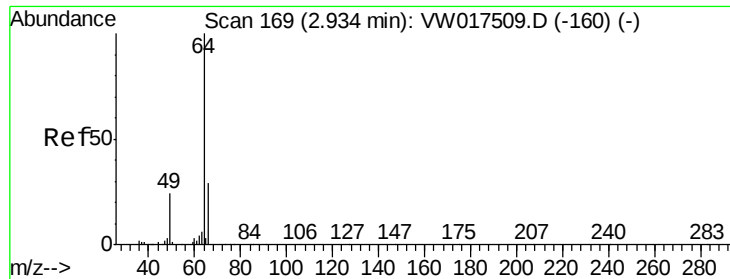
Tgt Ion: 94 Resp: 91453

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.0





#8

Chloroethane

Concen: 22.817 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

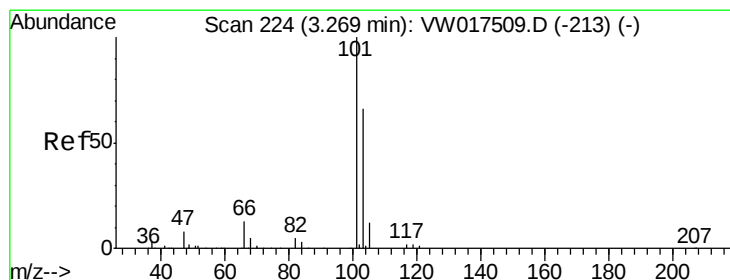
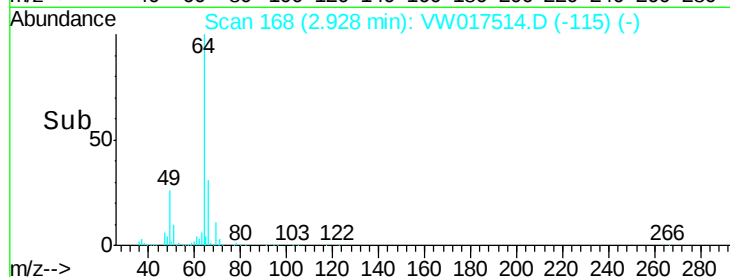
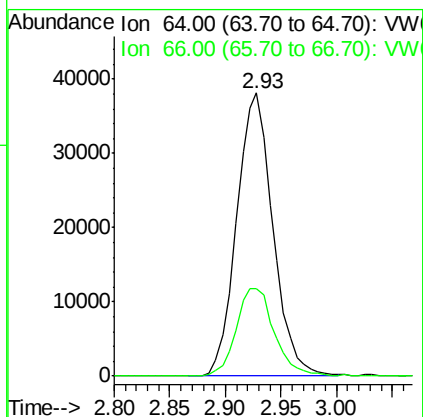
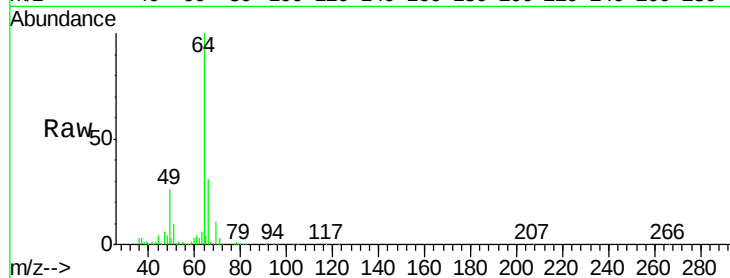
VSTD02525

Tgt Ion: 64 Resp: 86124

Ion Ratio Lower Upper

64 100

66 31.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 19.419 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017514.D

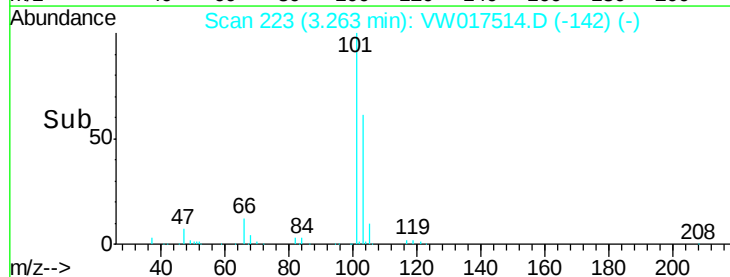
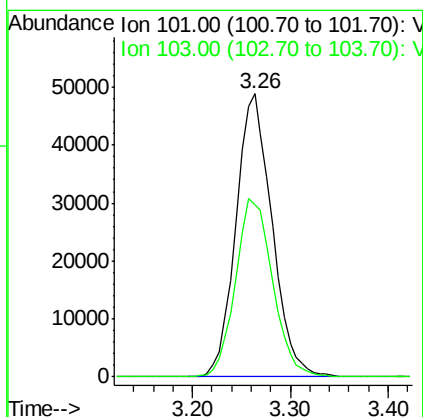
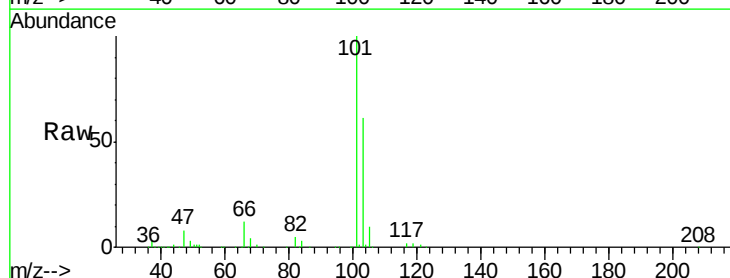
Acq: 30 Nov 2020 13:32

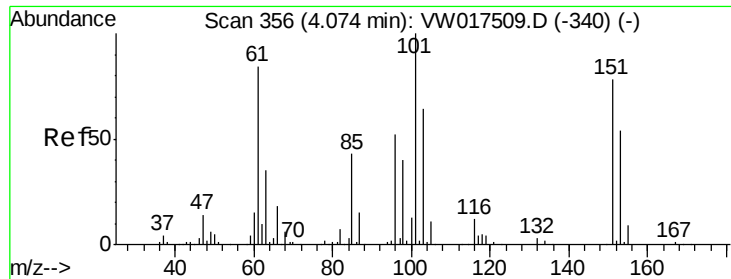
Tgt Ion: 101 Resp: 124925

Ion Ratio Lower Upper

101 100

103 64.9 45.0 83.6





#11

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

Concen: 24.245 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

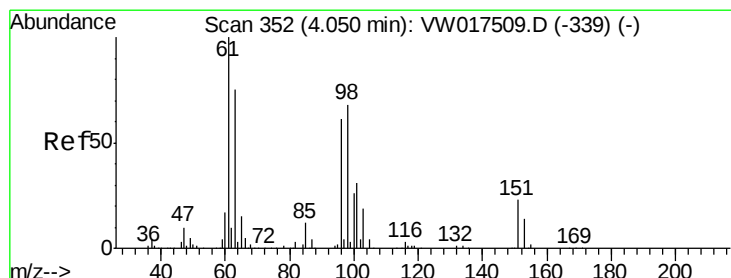
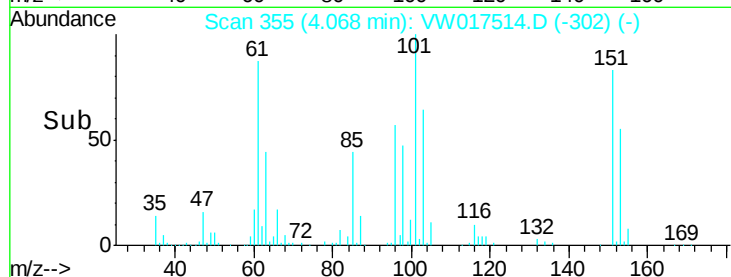
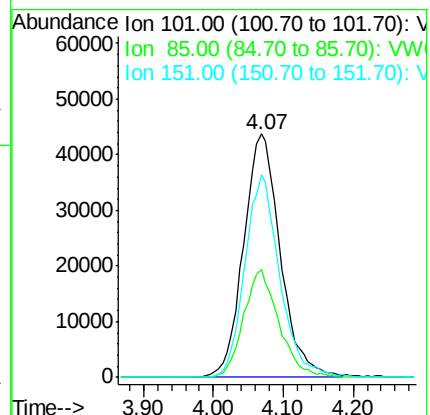
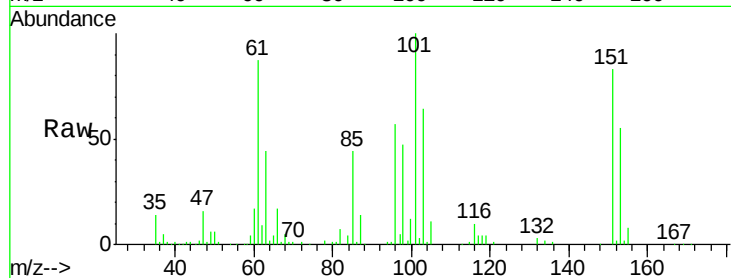
Tgt Ion: 101 Resp: 159645

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

151 78.9 30.4 45.6#



#12

1,1-Dichloroethene

Concen: 23.687 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

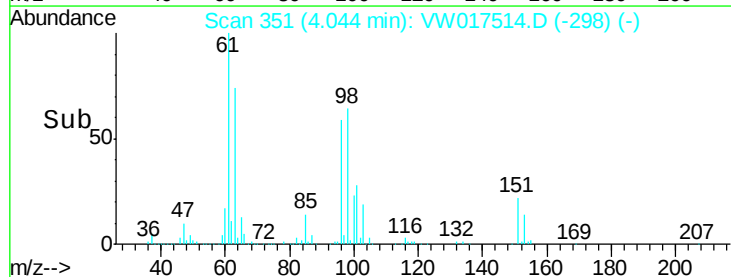
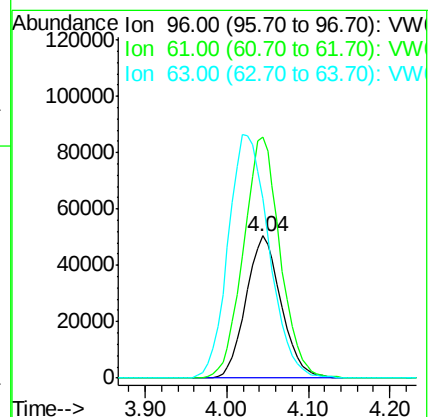
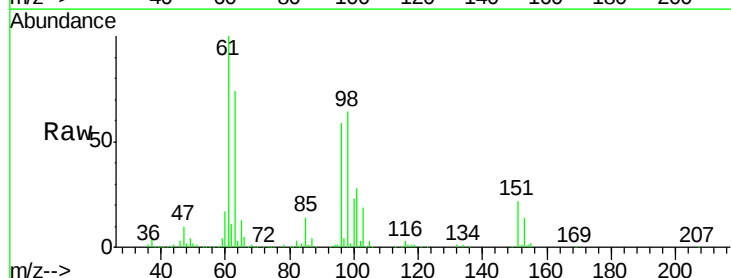
Tgt Ion: 96 Resp: 152092

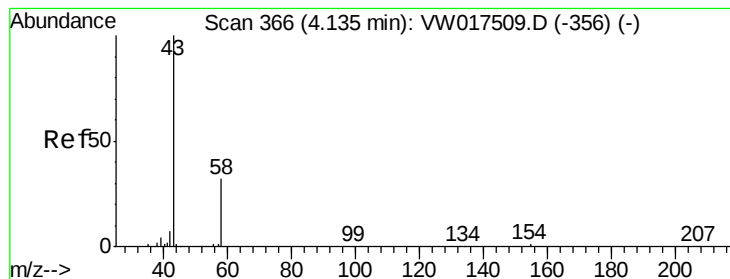
Ion Ratio Lower Upper

96 100

61 169.6 112.5 208.9

63 126.3 83.1 154.3





#13

Acetone

Concen: 59.390 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

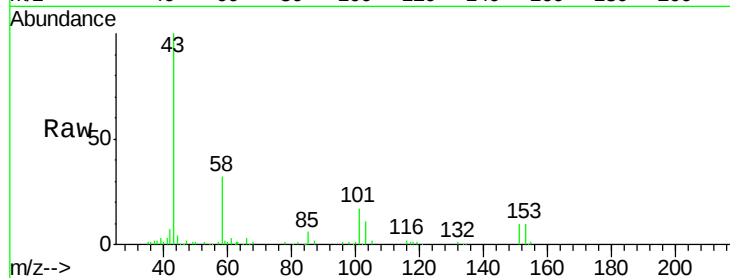
VSTD02525

Tgt Ion: 43 Resp: 73412

Ion Ratio Lower Upper

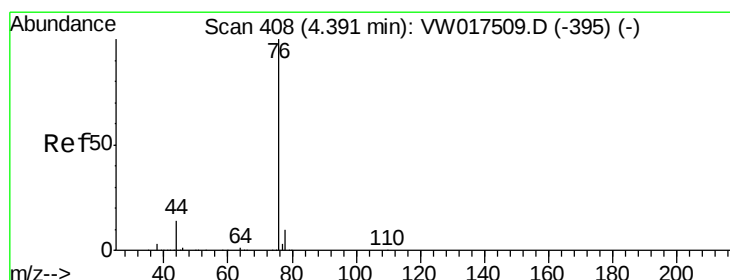
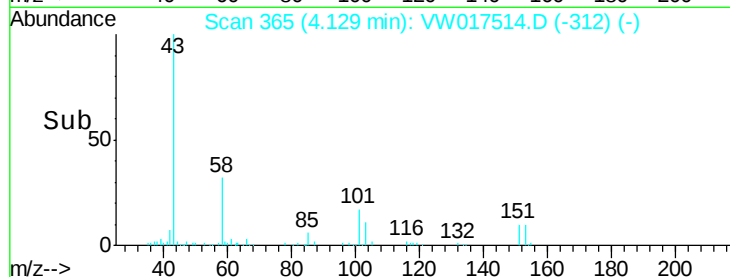
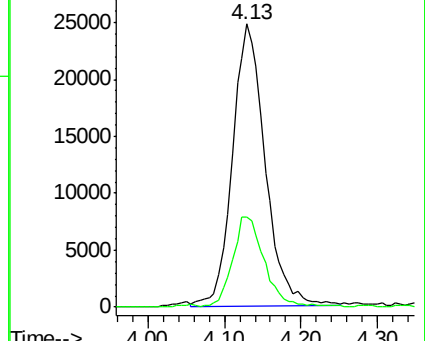
43 100

58 31.0 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.062 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017514.D

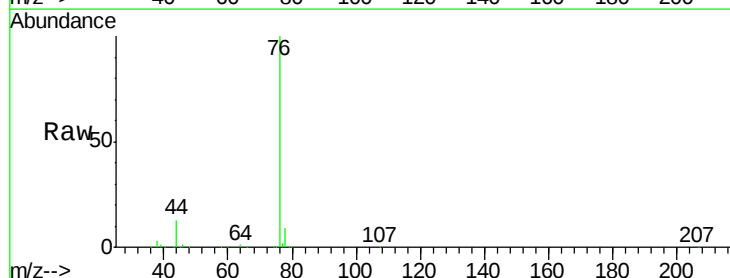
Acq: 30 Nov 2020 13:32

Tgt Ion: 76 Resp: 423536

Ion Ratio Lower Upper

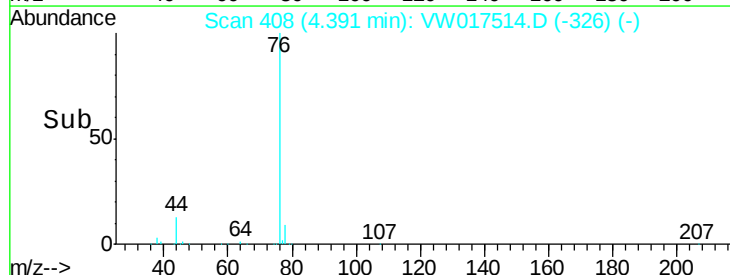
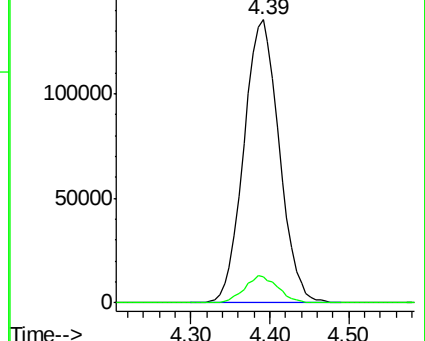
76 100

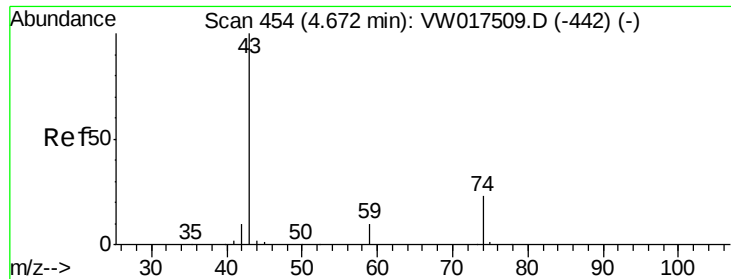
78 9.3 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

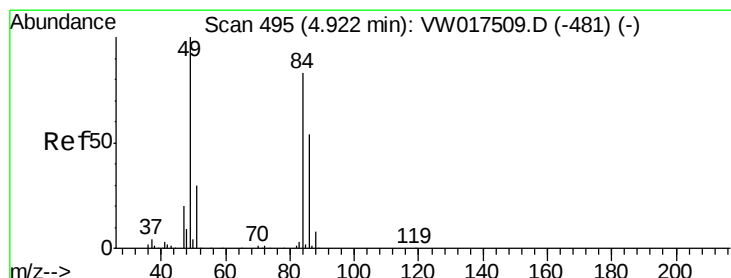
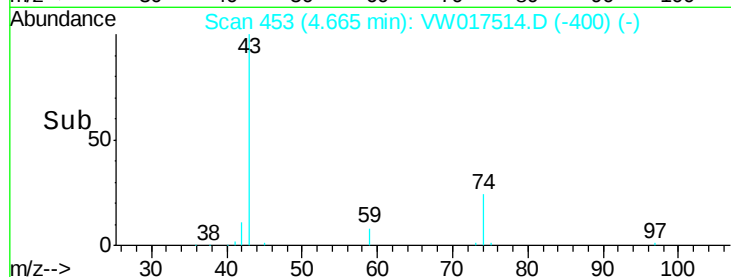
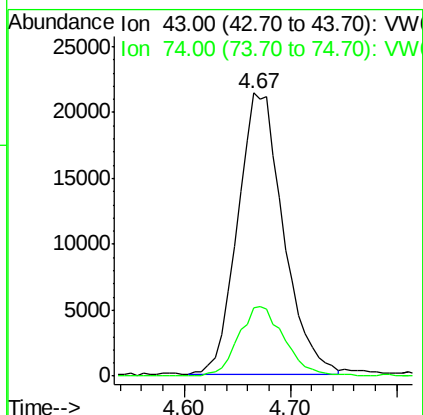
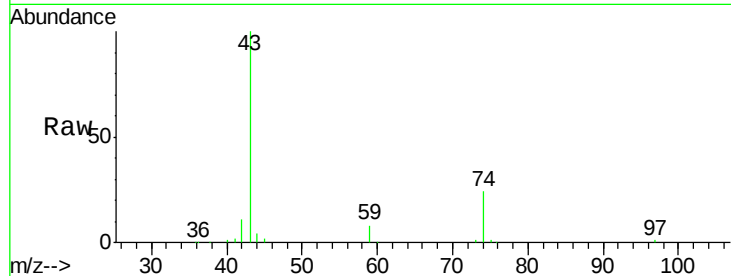




#15
Methyl Acetate
Concen: 29.845 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

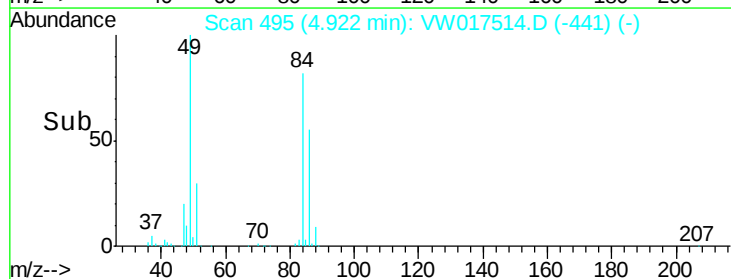
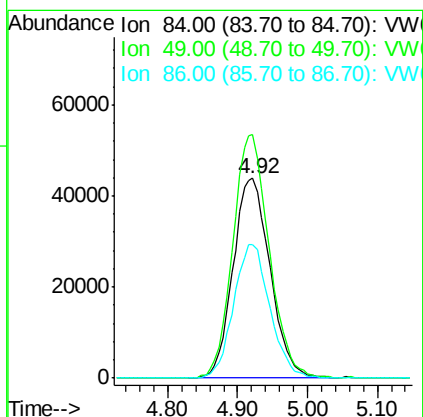
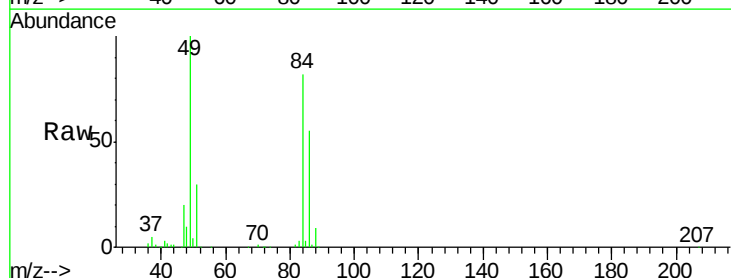
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

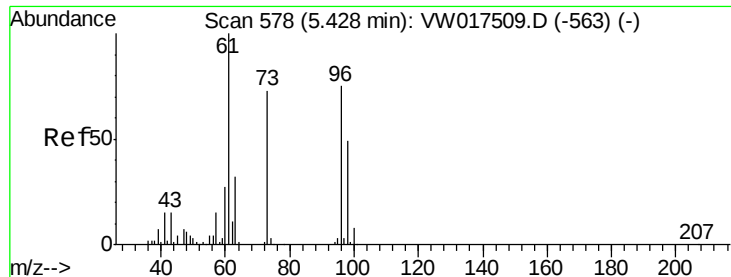
Tgt Ion: 43 Resp: 64215
Ion Ratio Lower Upper
43 100
74 24.9 20.7 31.1



#16
Methylene chloride
Concen: 23.226 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 84 Resp: 161475
Ion Ratio Lower Upper
84 100
49 121.7 81.2 150.8
86 66.8 44.5 82.7

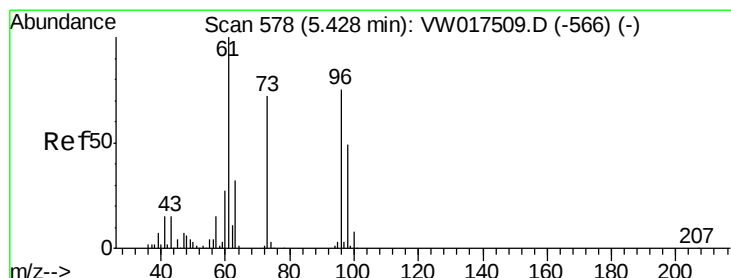
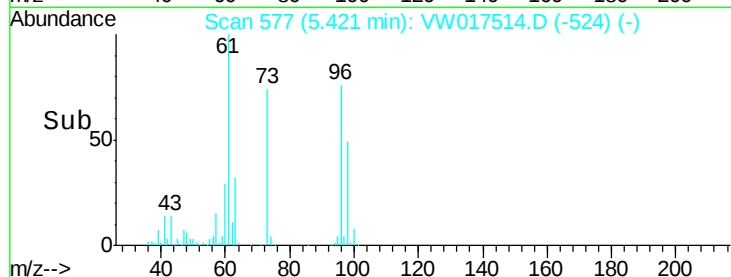
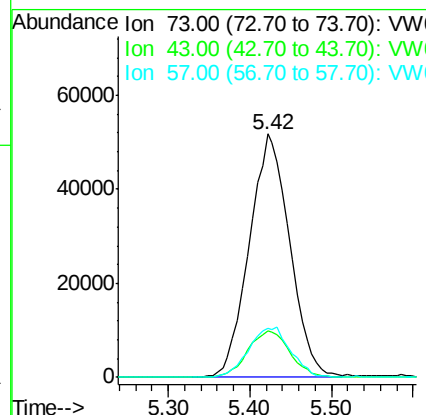
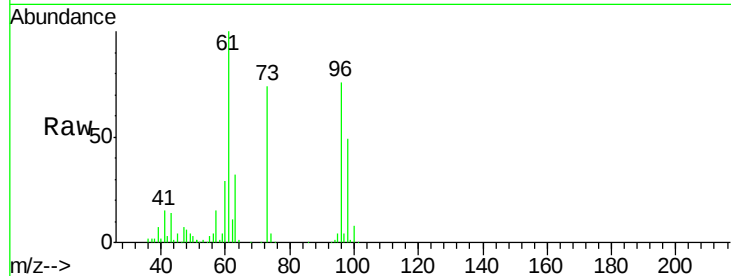




#17
Methyl tert-butyl Ether
Concen: 25.892 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

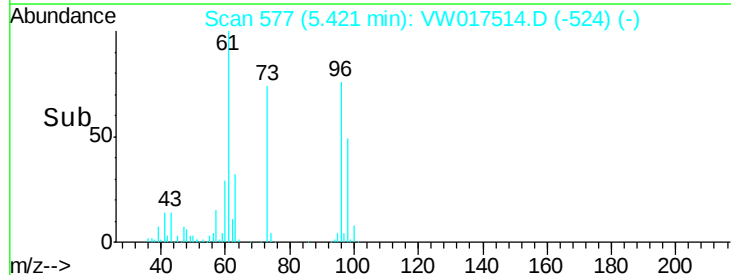
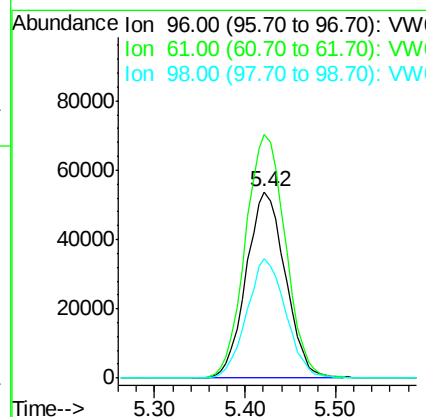
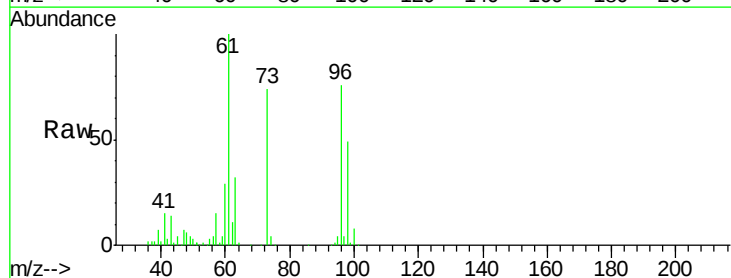
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

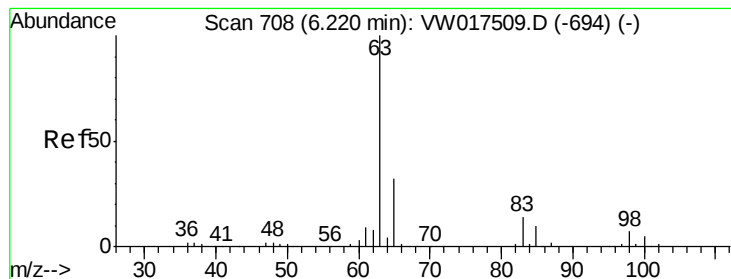
Tgt Ion: 73 Resp: 178810
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.4
57 12.9 17.2 25.8#



#18
trans-1,2-Dichloroethene
Concen: 24.357 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 96 Resp: 160763
Ion Ratio Lower Upper
96 100
61 130.9 92.7 172.1
98 64.1 43.3 80.3





#19

1,1-Dichloroethane

Concen: 24.722 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

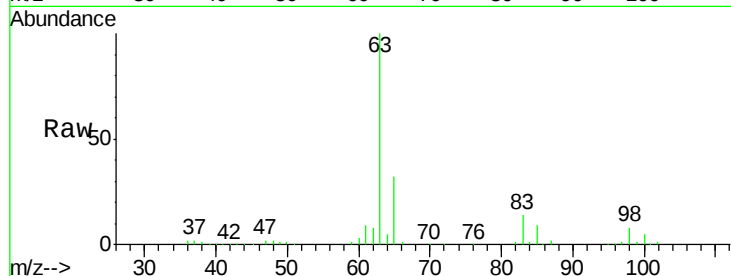
Tgt Ion: 63 Resp: 275502

Ion Ratio Lower Upper

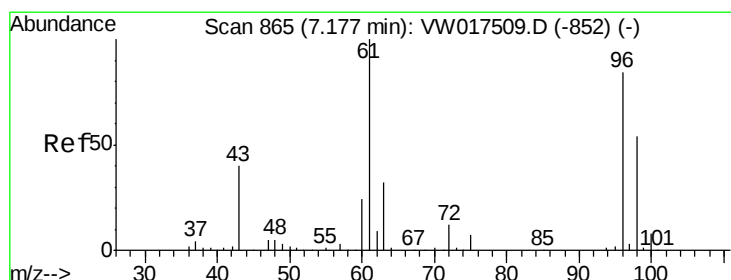
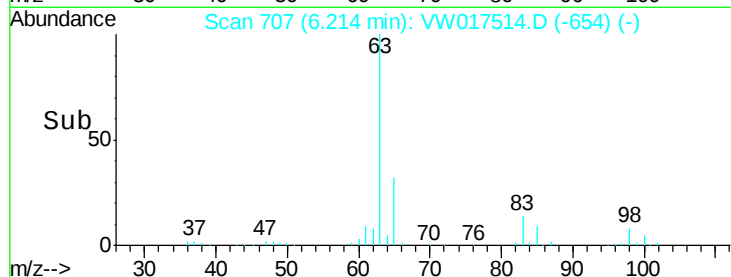
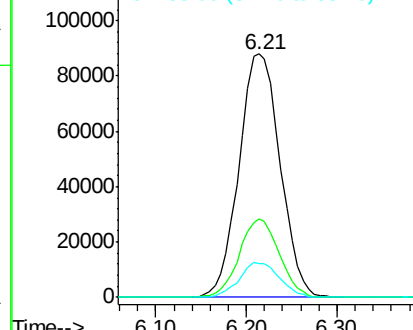
63 100

65 32.4 21.9 40.7

83 14.0 9.4 17.6



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: 62.626 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017514.D

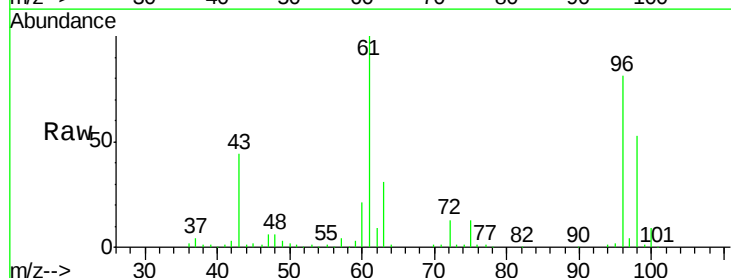
Acq: 30 Nov 2020 13:32

Tgt Ion: 43 Resp: 92637

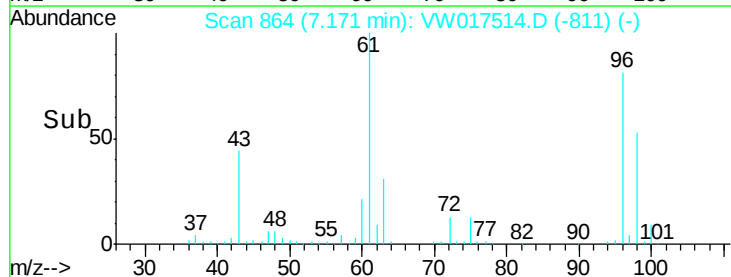
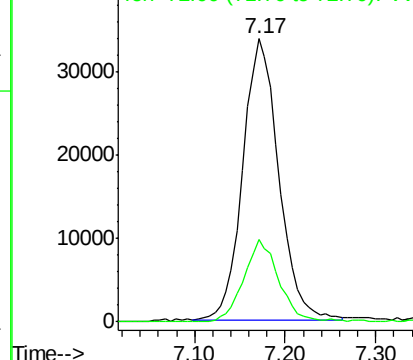
Ion Ratio Lower Upper

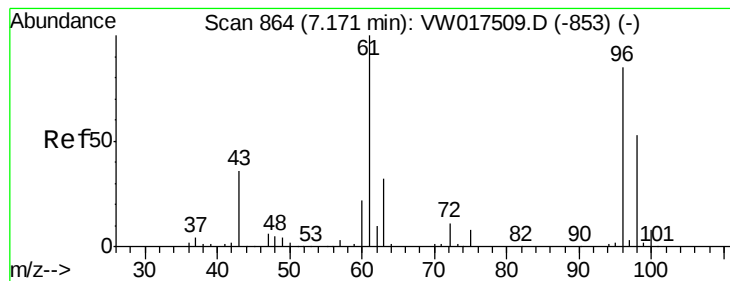
43 100

72 28.4 14.4 43.2



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



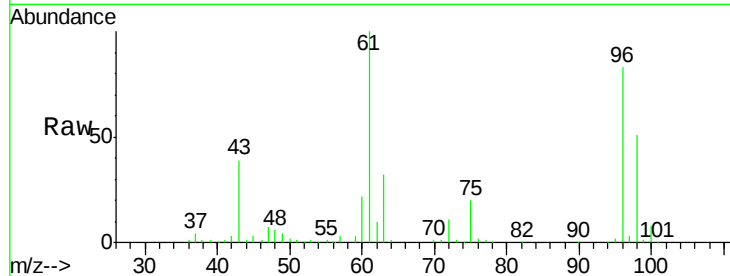


#22

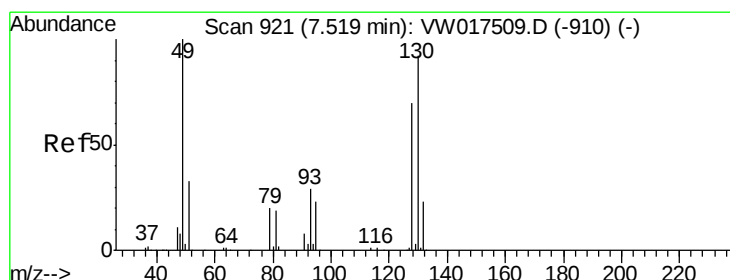
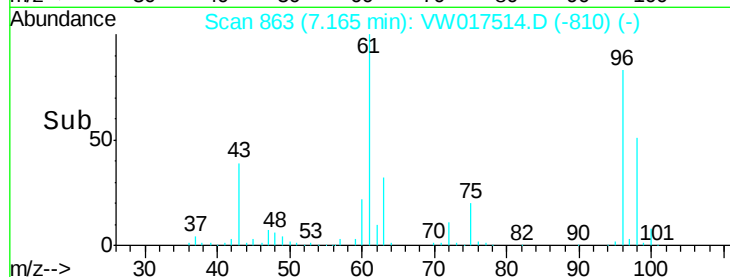
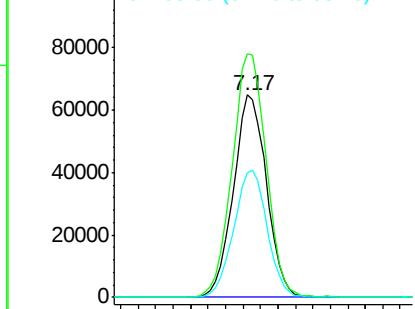
cis-1,2-Dichloroethene
 Concen: 24.785 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion: 96 Resp: 170683
 Ion Ratio Lower Upper
 96 100
 61 120.3 84.6 157.2
 98 61.3 44.7 82.9



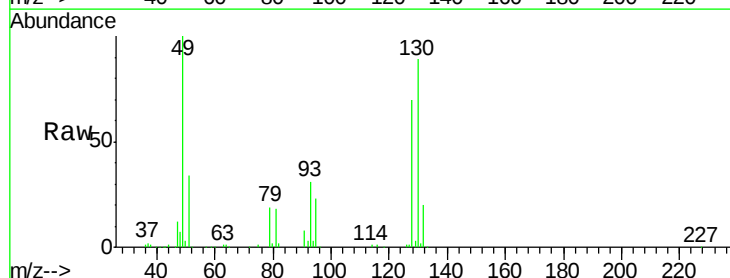
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



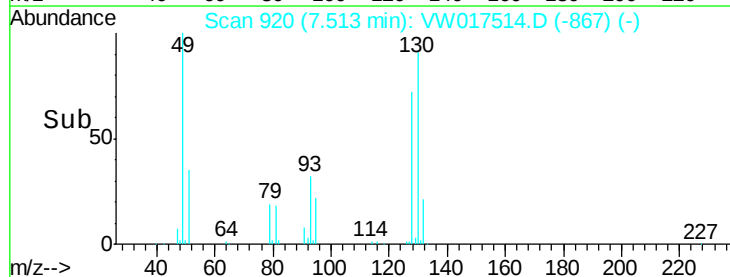
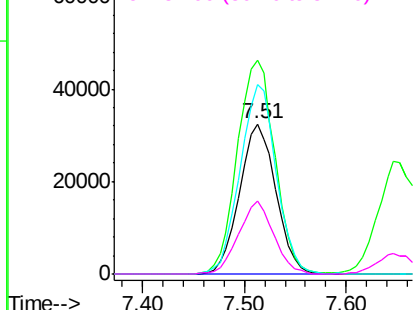
#23

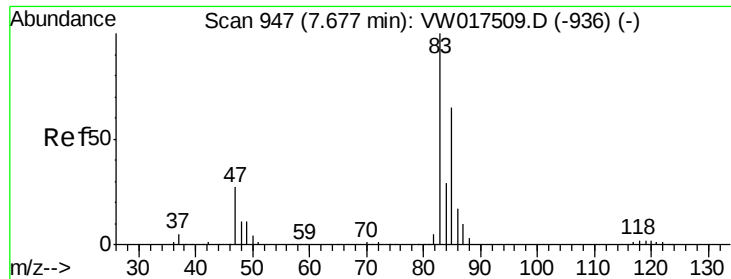
Bromochloromethane
 Concen: 25.720 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion: 128 Resp: 80458
 Ion Ratio Lower Upper
 128 100
 49 142.5 101.6 188.6
 130 126.1 90.4 167.8
 51 49.1 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

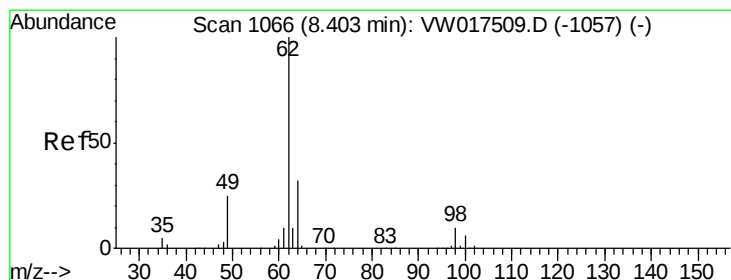
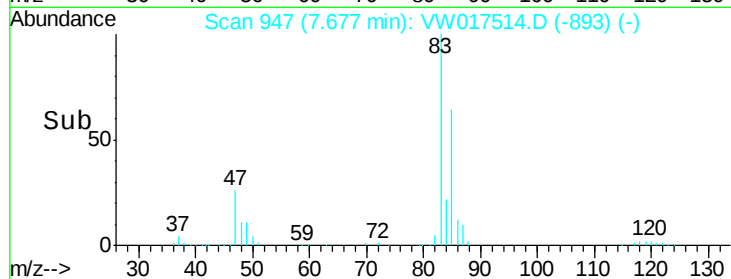
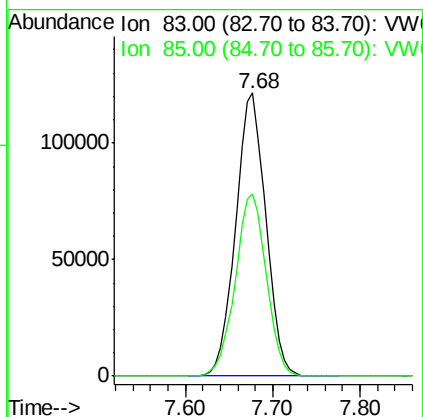
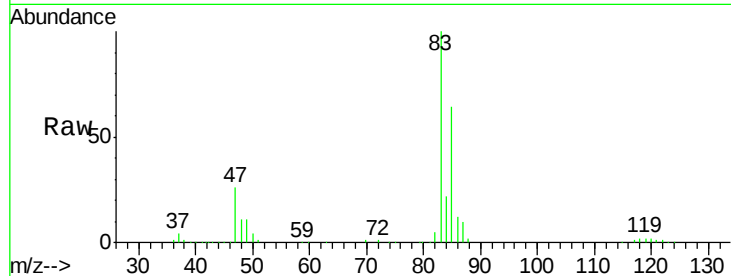




#25
Chloroform
Concen: 24.760 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

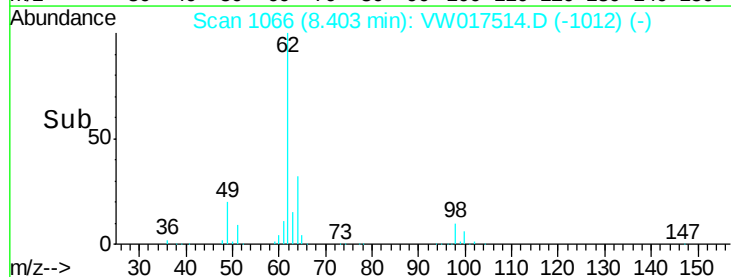
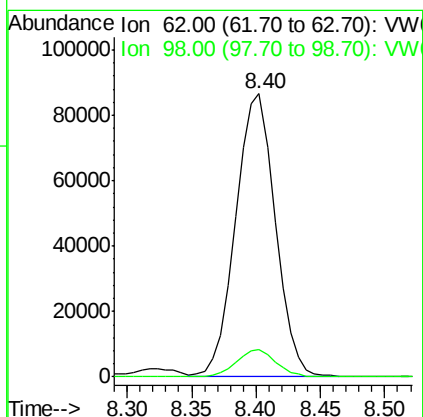
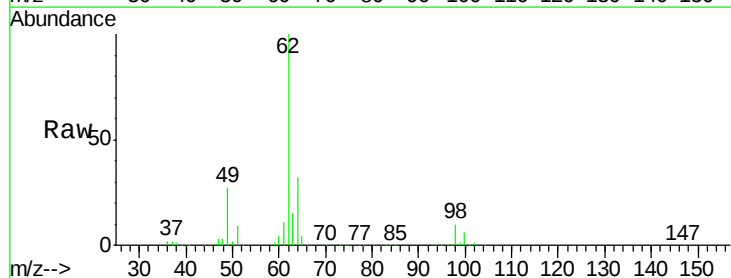
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

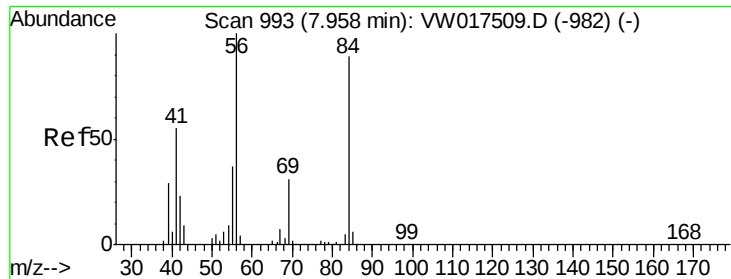
Tgt Ion: 83 Resp: 291293
Ion Ratio Lower Upper
83 100
85 66.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.154 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 62 Resp: 185310
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0

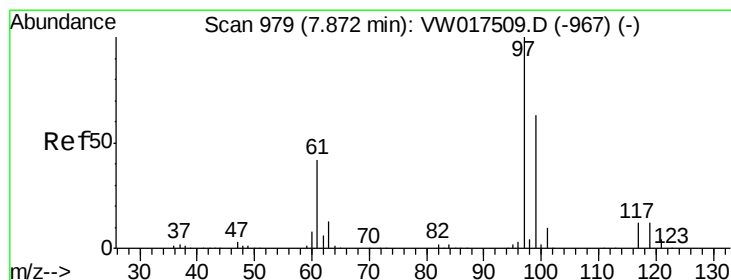
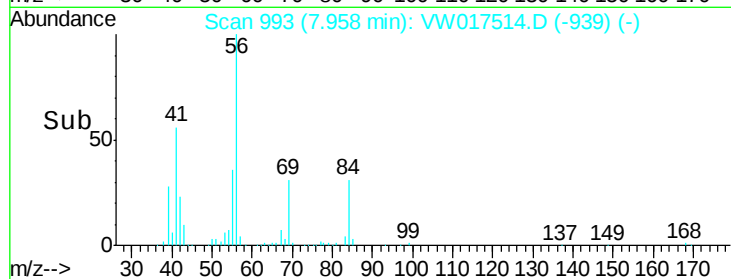
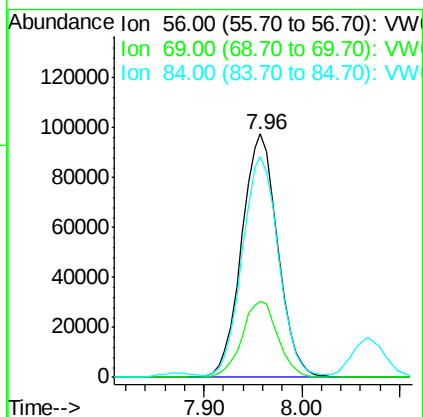
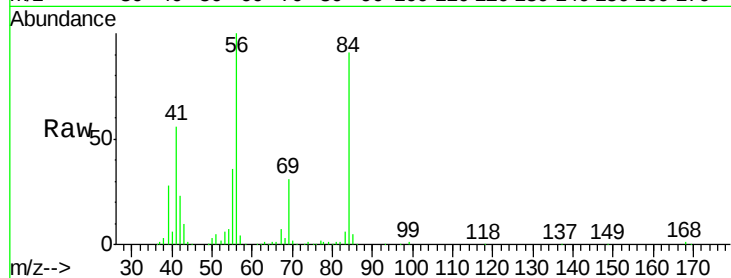




#30
Cyclohexane
Concen: 25.302 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

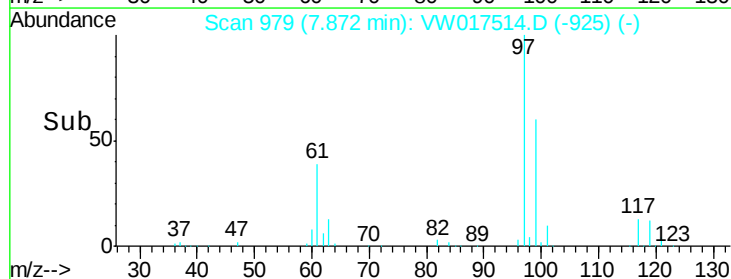
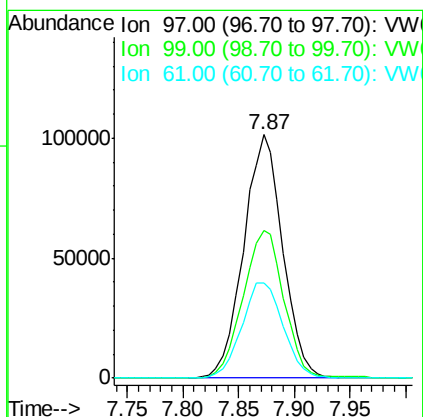
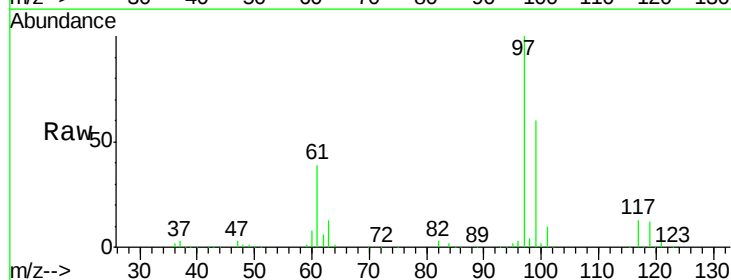
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

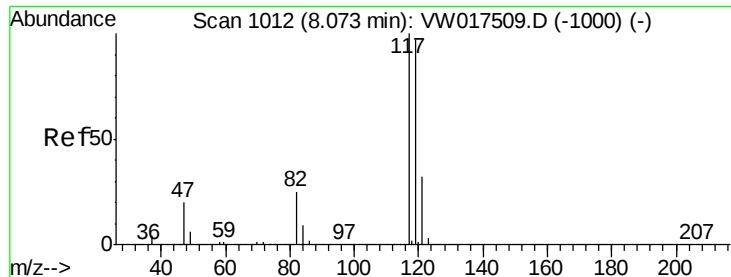
Tgt Ion: 56 Resp: 249306
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 91.6 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 25.296 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 97 Resp: 247310
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.4
61 41.2 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.937 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

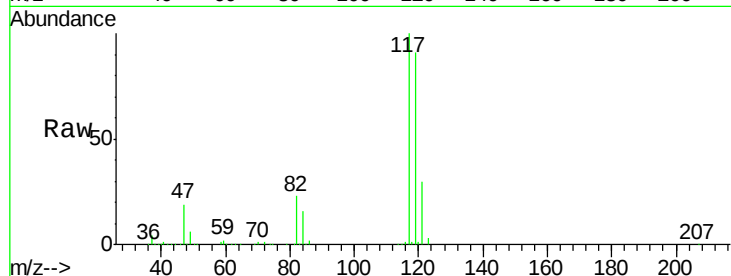
VSTD02525

Tgt Ion:117 Resp: 246230

Ion Ratio Lower Upper

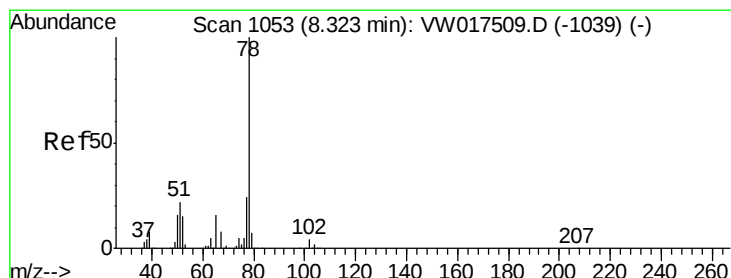
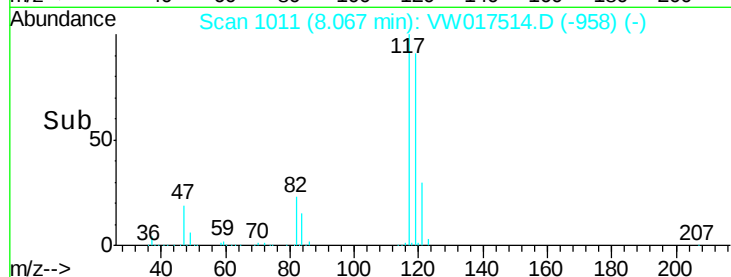
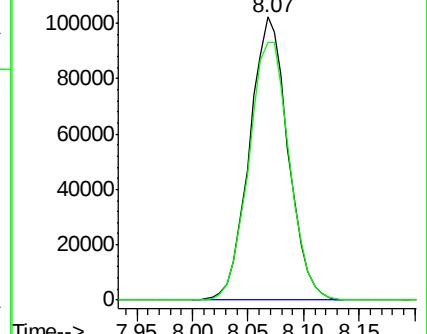
117 100

119 96.3 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: 25.058 ug/L

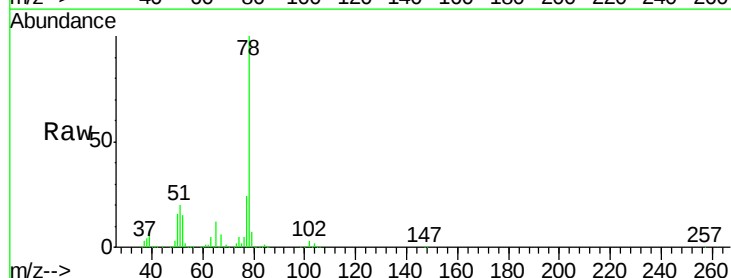
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

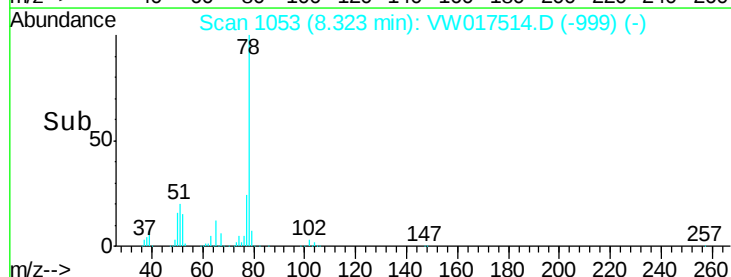
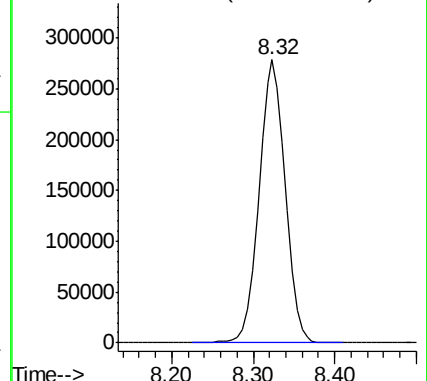
Lab File: VW017514.D

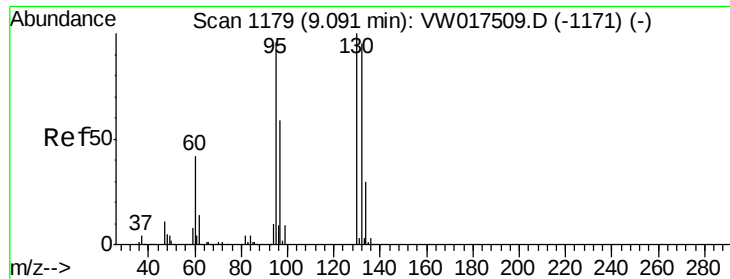
Acq: 30 Nov 2020 13:32

Tgt Ion: 78 Resp: 622135



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.719 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

Tgt Ion: 95 Resp: 170143

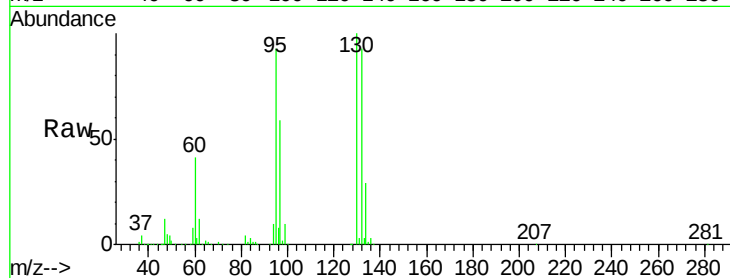
Ion Ratio Lower Upper

95 100

97 65.1 45.0 83.6

132 101.6 71.0 131.8

130 107.4 75.6 140.4

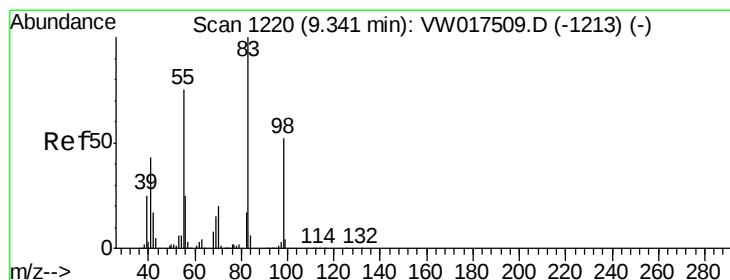
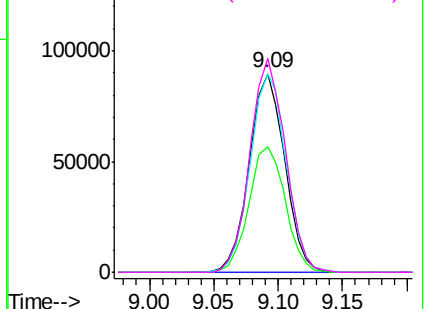
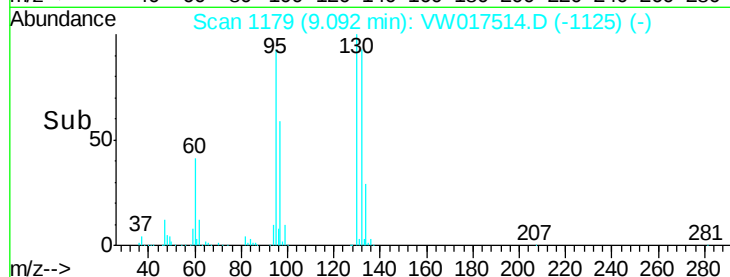


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.266 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

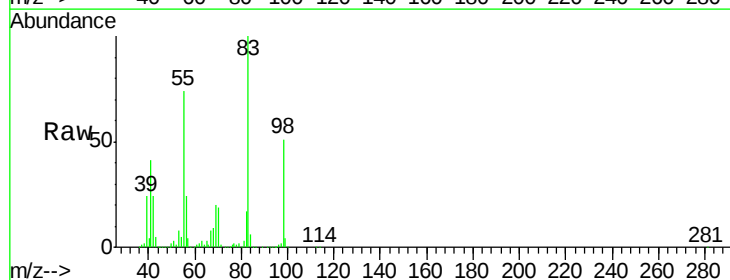
Tgt Ion: 83 Resp: 287586

Ion Ratio Lower Upper

83 100

55 74.0 59.4 89.0

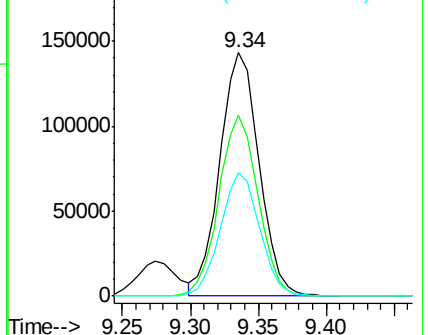
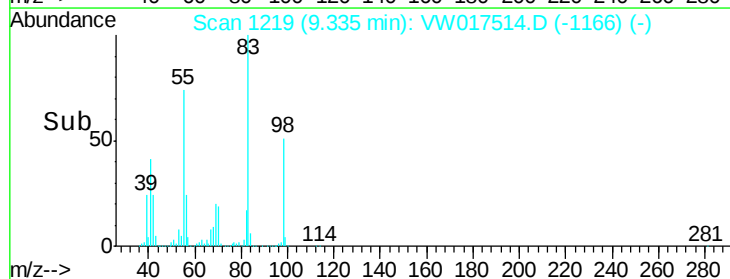
98 50.9 40.7 61.1

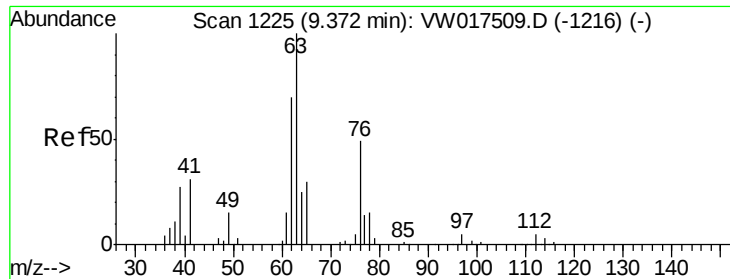


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

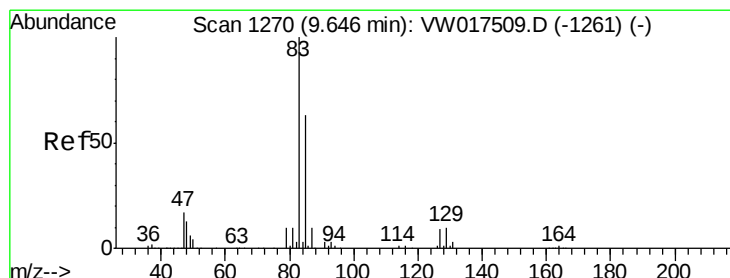
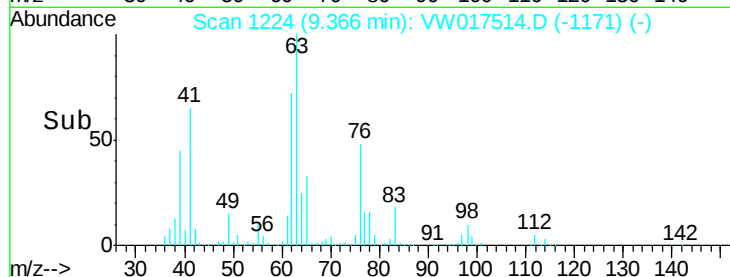
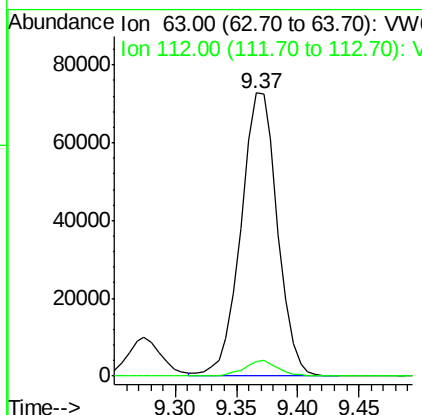
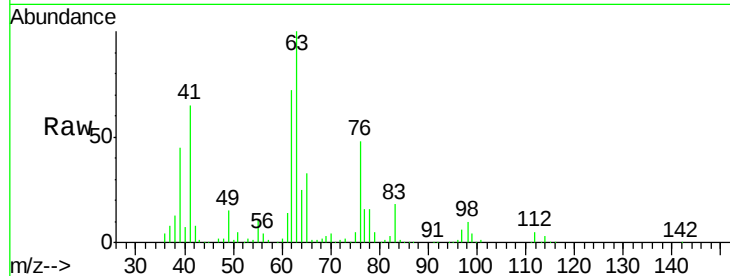




#40
 1,2-Dichloropropane
 Concen: 25.856 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

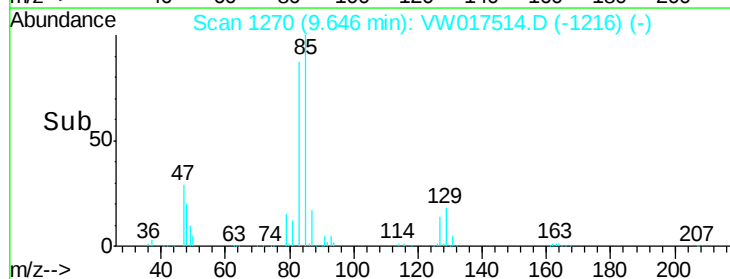
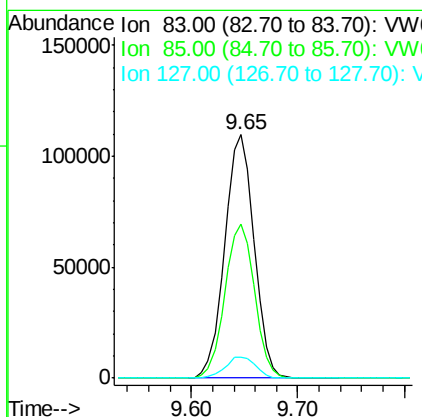
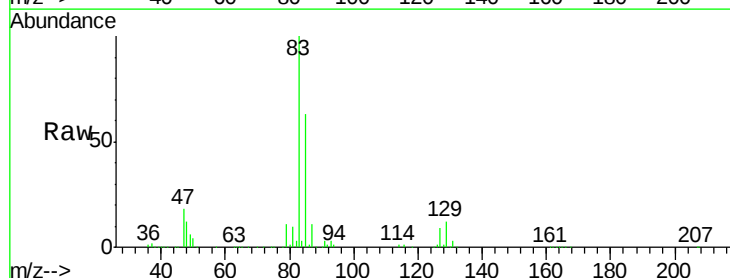
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

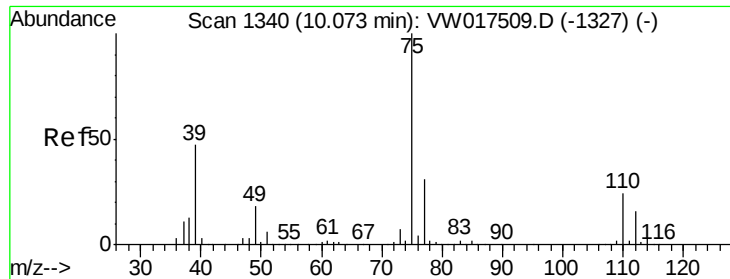
Tgt Ion: 63 Resp: 150788
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.4



#41
 Bromodichloromethane
 Concen: 26.341 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion: 83 Resp: 212248
 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: 27.240 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

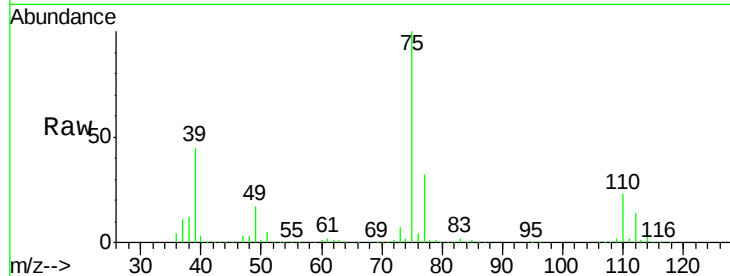
VSTD02525

Tgt Ion: 75 Resp: 246054

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

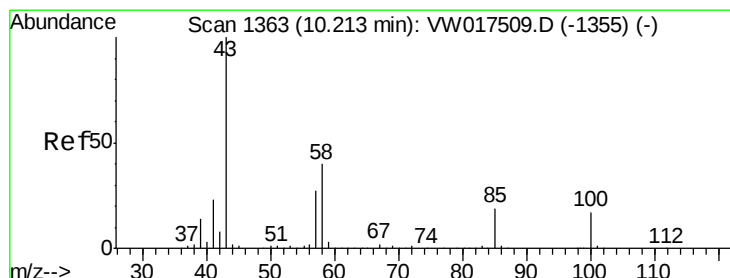
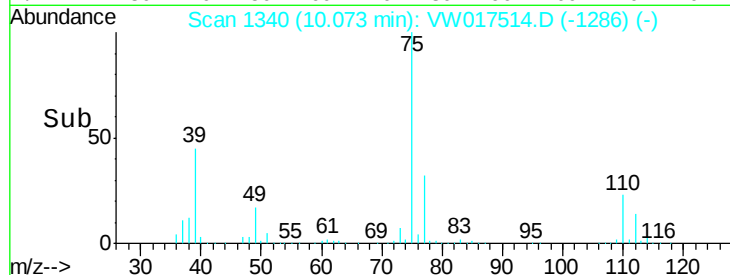
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 64.601 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

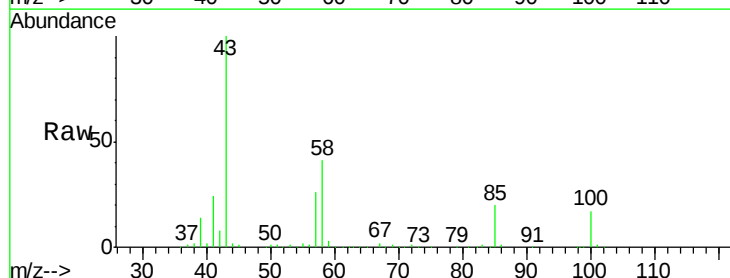
Tgt Ion: 43 Resp: 173440

Ion Ratio Lower Upper

43 100

58 38.0 31.6 47.4

100 16.6 14.1 21.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

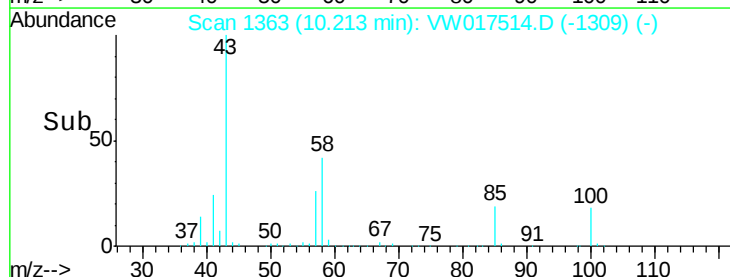
150000

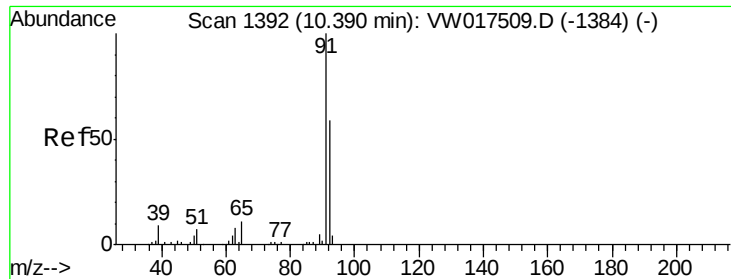
100000

50000

0

Time-->





#44

Toluene

Concen: 25.469 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

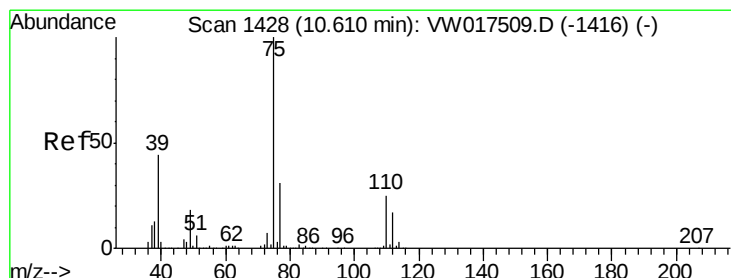
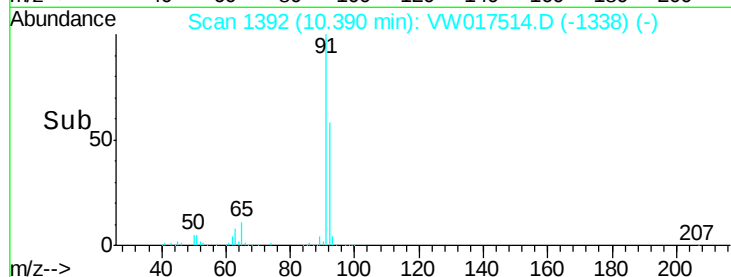
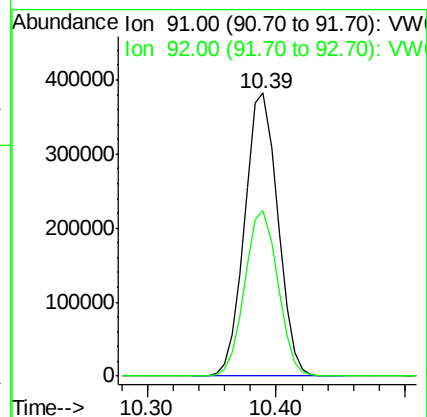
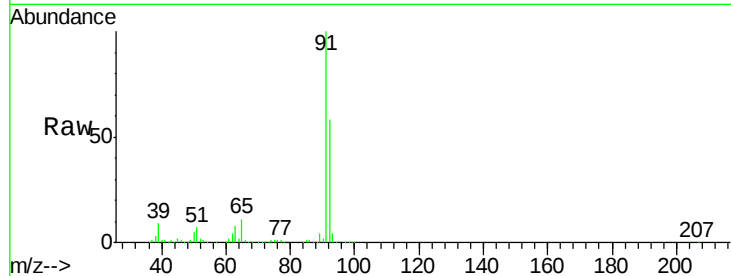
VSTD02525

Tgt Ion: 91 Resp: 680465

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 28.169 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017514.D

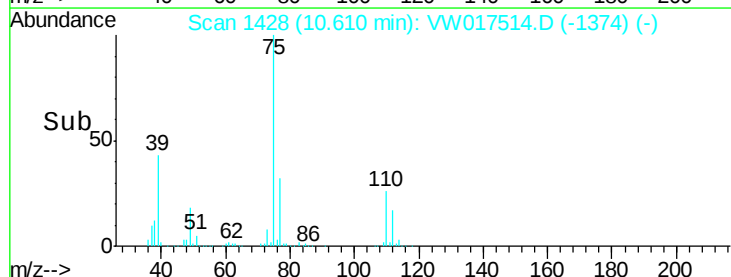
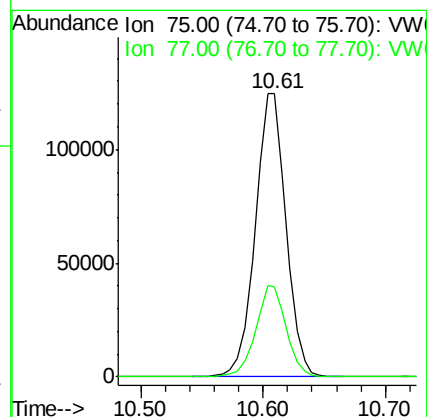
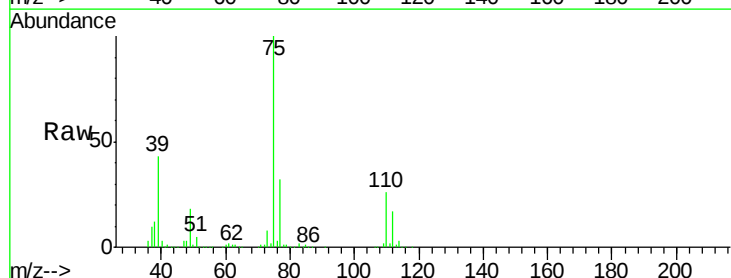
Acq: 30 Nov 2020 13:32

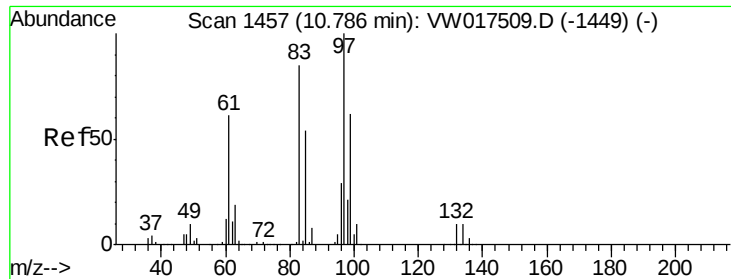
Tgt Ion: 75 Resp: 218045

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 26.916 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 117612

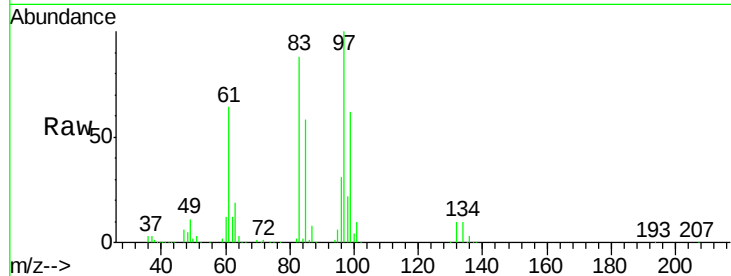
Ion Ratio Lower Upper

97 100

83 87.6 58.5 108.7

85 57.8 37.8 70.2

99 62.2 43.7 81.1

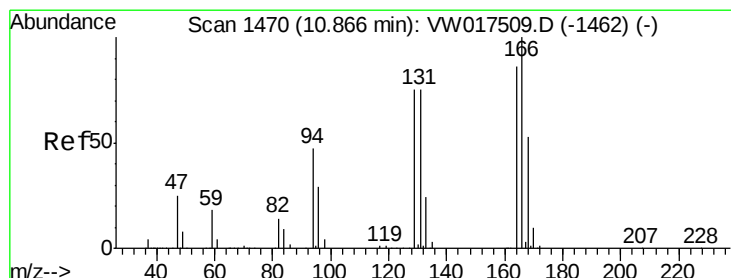
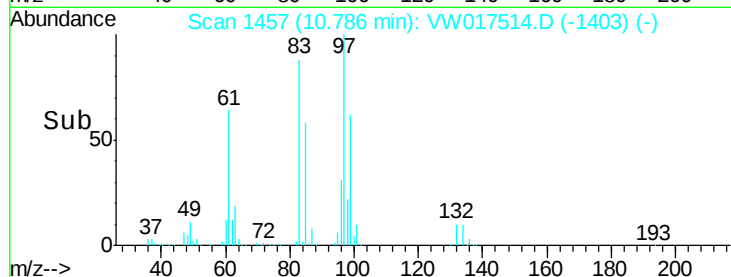
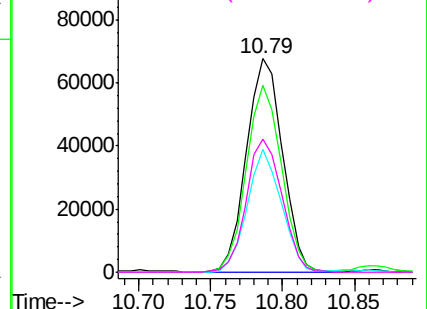


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.693 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Tgt Ion: 164 Resp: 144815

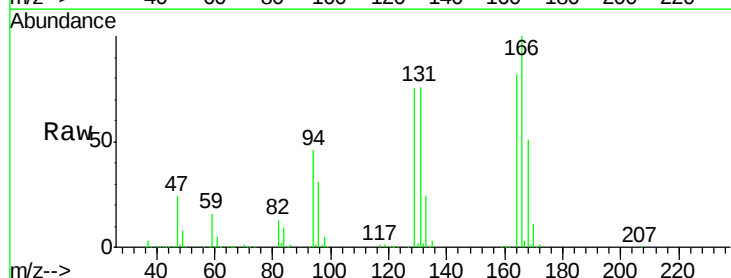
Ion Ratio Lower Upper

164 100

129 91.5 67.6 125.6

131 92.6 65.2 121.2

166 122.1 93.2 173.2

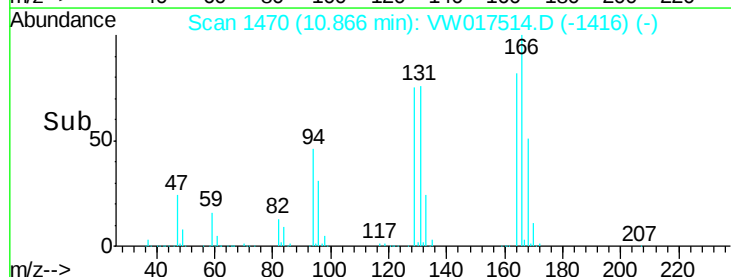
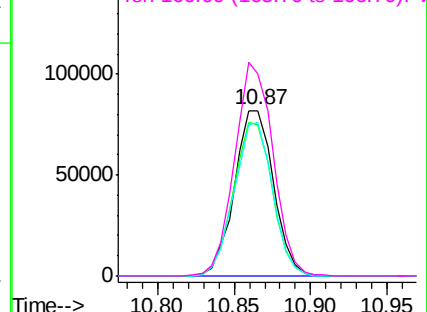


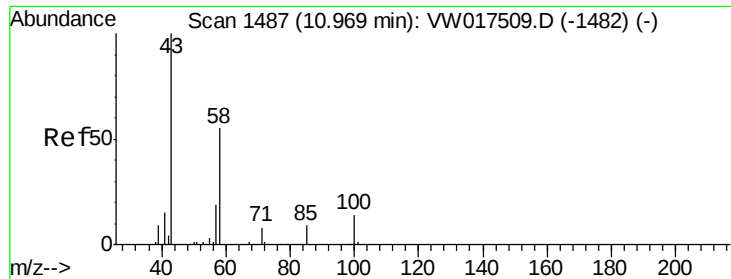
Abundance Ion 164.00 (163.70 to 164.70): V

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

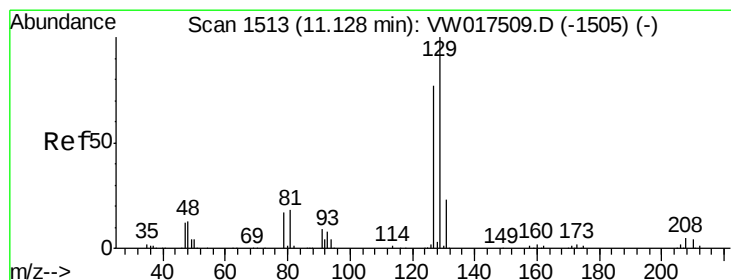
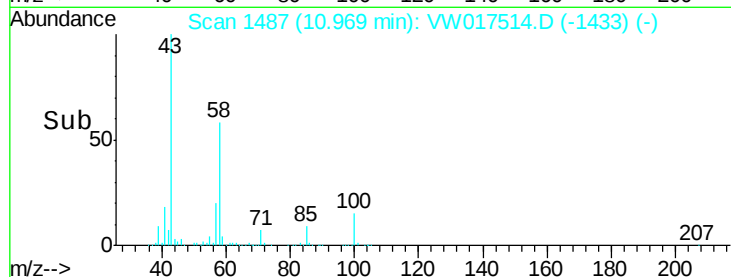
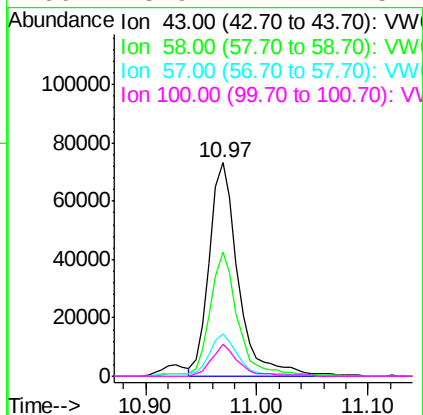
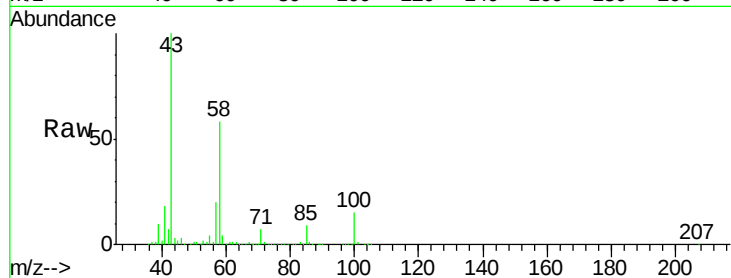




#49
2-Hexanone
Concen: 70.305 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

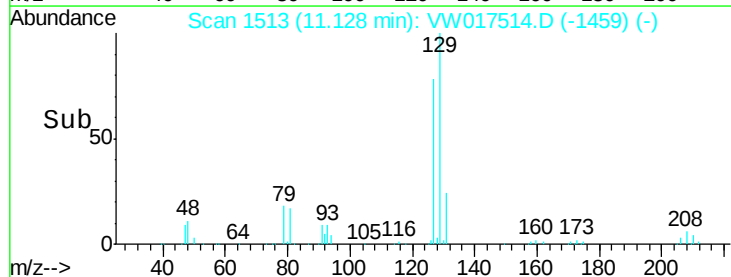
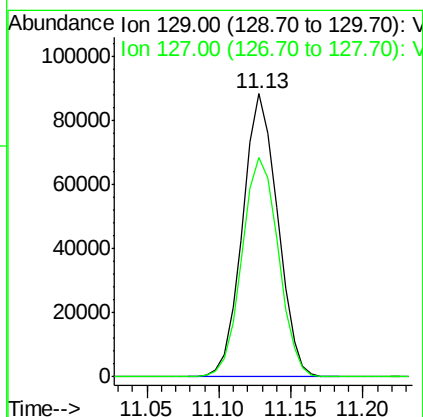
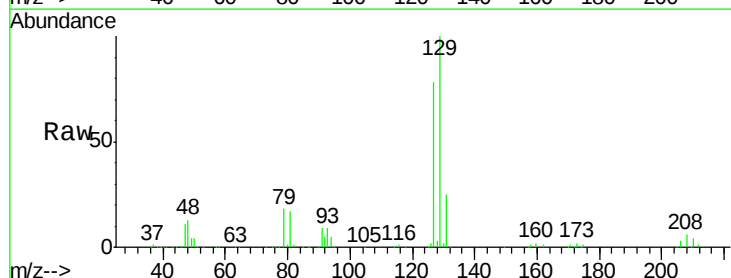
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

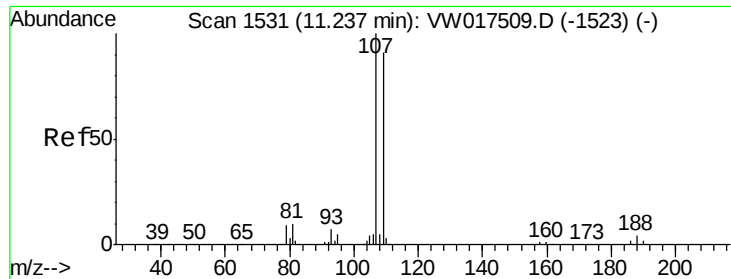
Tgt Ion: 43 Resp: 133303
Ion Ratio Lower Upper
43 100
58 54.4 51.3 76.9
57 16.3 15.0 22.6
100 13.9 12.2 18.2



#50
Dibromochloromethane
Concen: 27.299 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 129 Resp: 149002
Ion Ratio Lower Upper
129 100
127 77.6 53.2 98.8

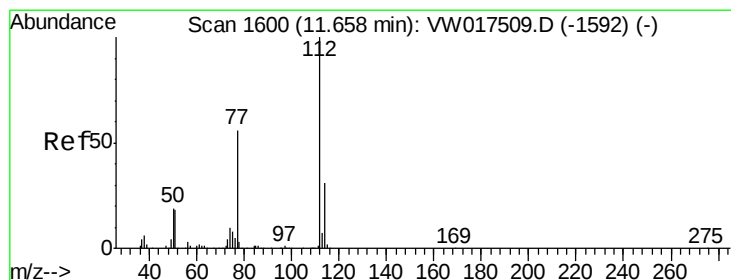
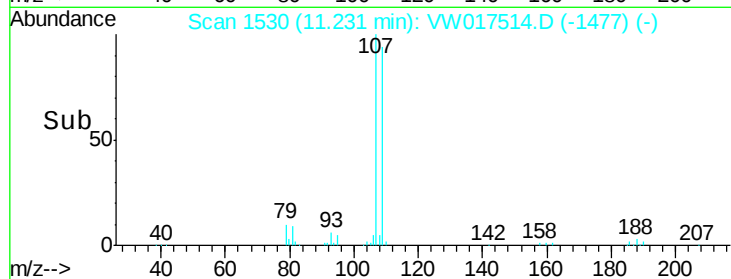
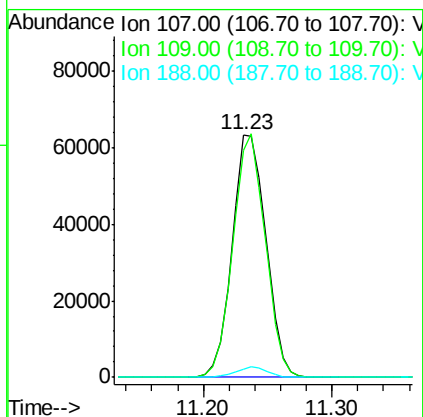
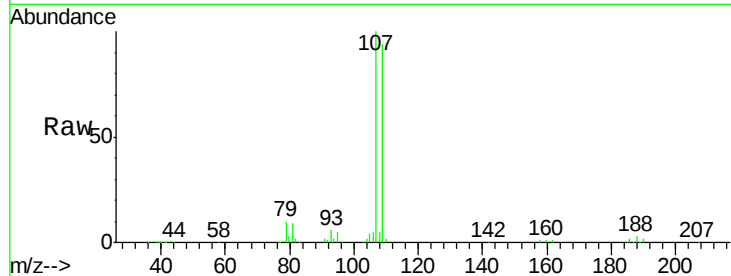




#51
 1,2-Dibromoethane
 Concen: 27.567 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

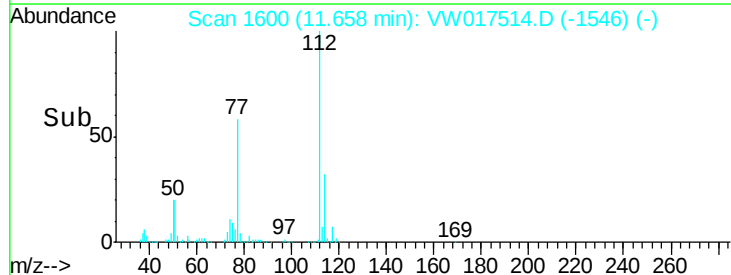
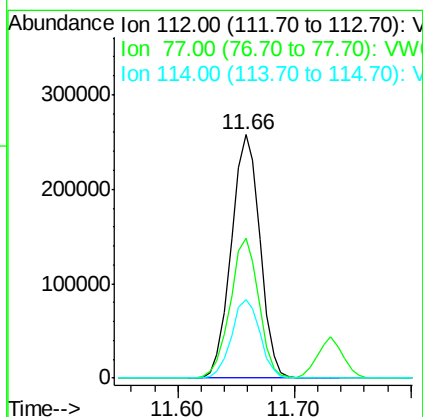
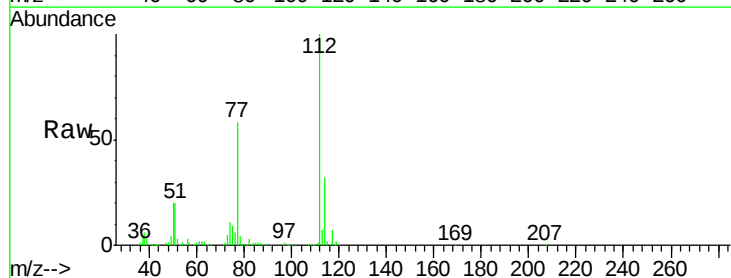
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

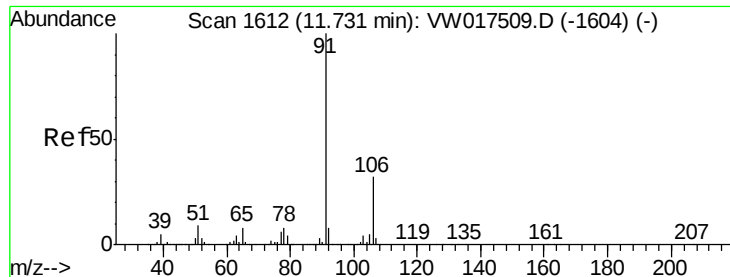
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.4	123.2
188	3.6	4.0	6.0#



#52
 Chlorobenzene
 Concen: 25.273 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.6	42.6	64.0
114	32.3	21.6	40.2

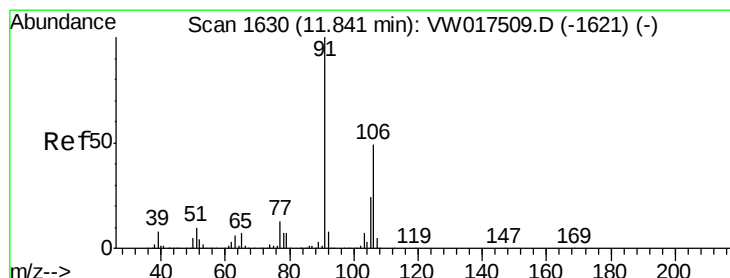
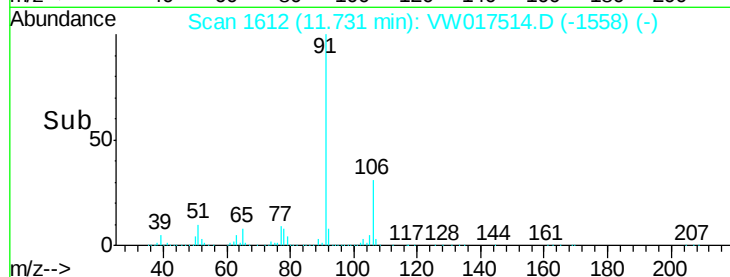
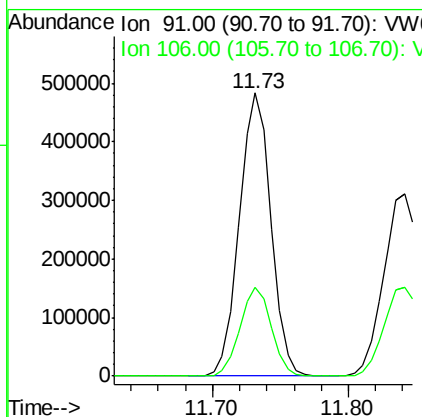
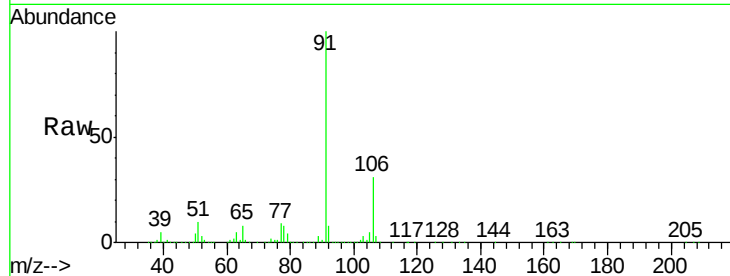




#53
Ethylbenzene
Concen: 25.766 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

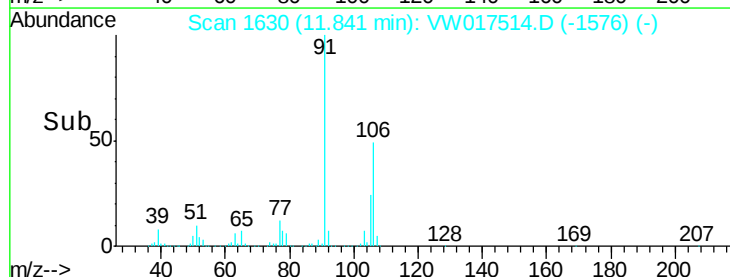
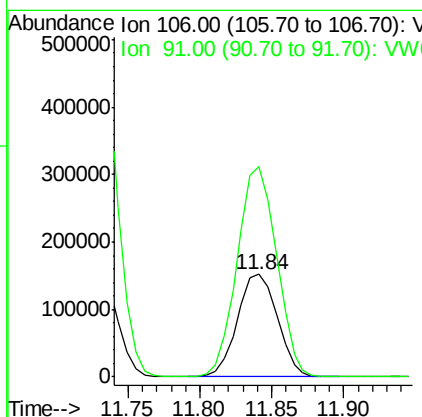
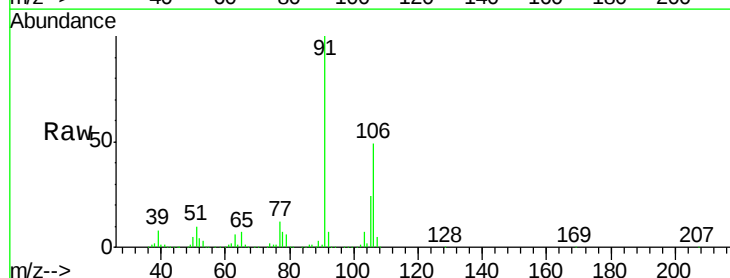
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

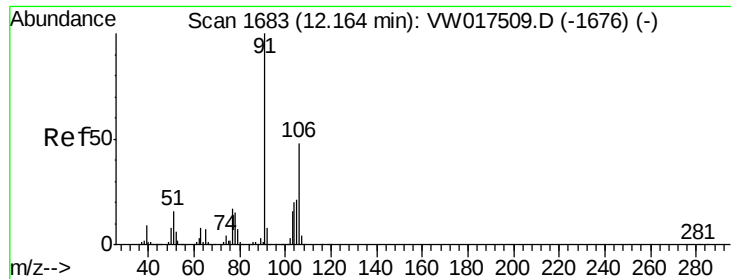
Tgt Ion: 91 Resp: 780505
Ion Ratio Lower Upper
91 100
106 31.4 21.1 39.1



#54
m,p-Xylene
Concen: 25.439 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion: 106 Resp: 294012
Ion Ratio Lower Upper
106 100
91 204.9 136.4 253.4

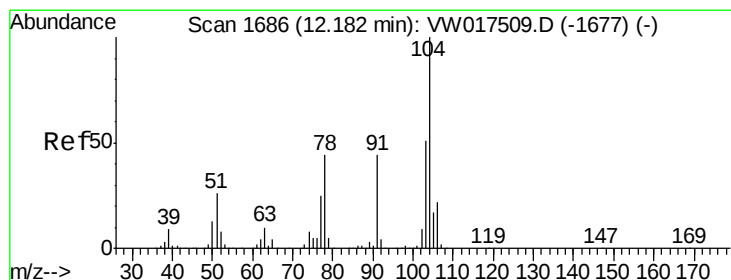
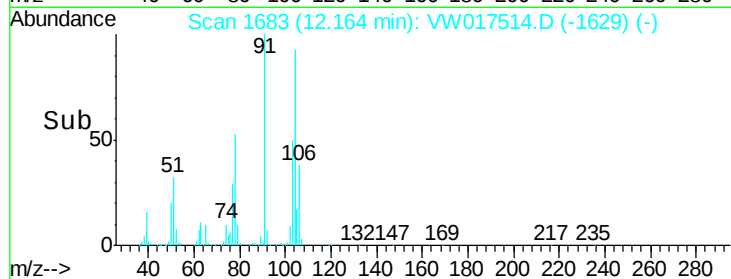
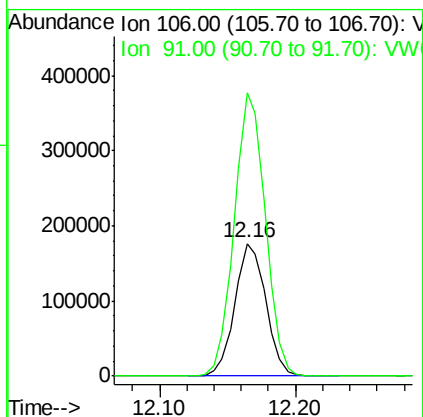
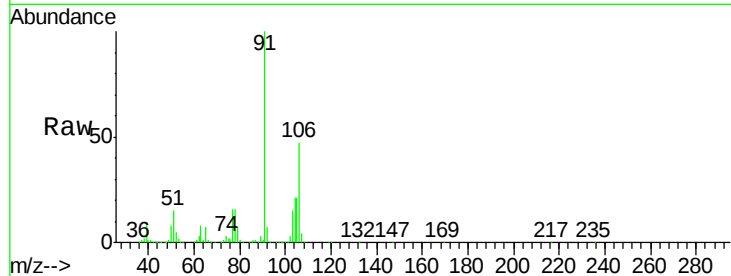




#55
o-xylene
Concen: 25.947 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

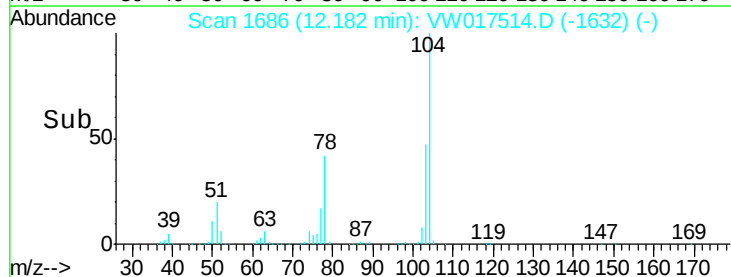
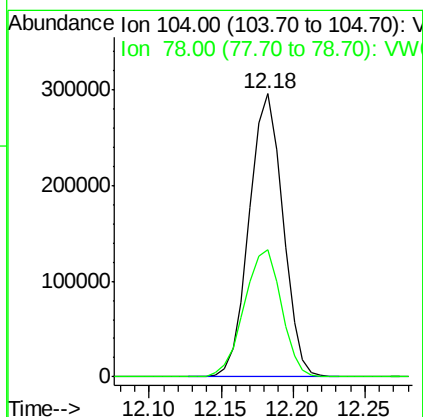
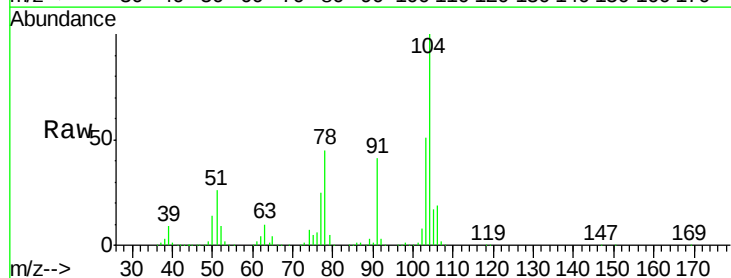
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

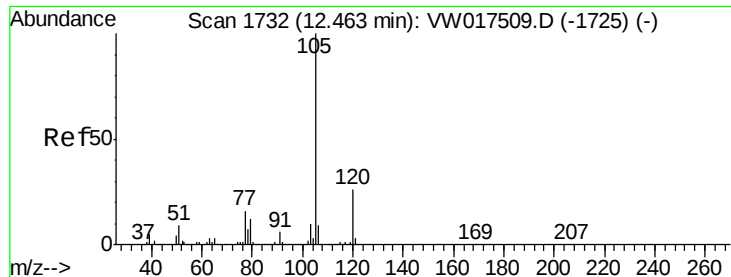
Tgt Ion:106 Resp: 279310
Ion Ratio Lower Upper
106 100
91 213.2 147.6 274.2



#56
Styrene
Concen: 26.452 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017514.D
Acq: 30 Nov 2020 13:32

Tgt Ion:104 Resp: 479013
Ion Ratio Lower Upper
104 100
78 45.1 31.3 58.1





#57

Isopropylbenzene

Concen: 26.133 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

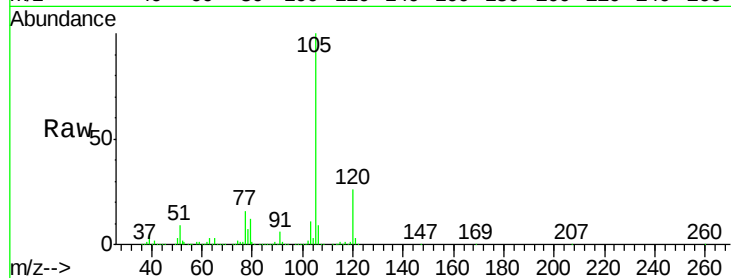
Tgt Ion: 105 Resp: 772698

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

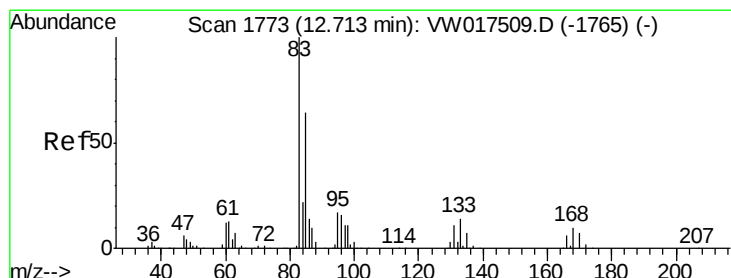
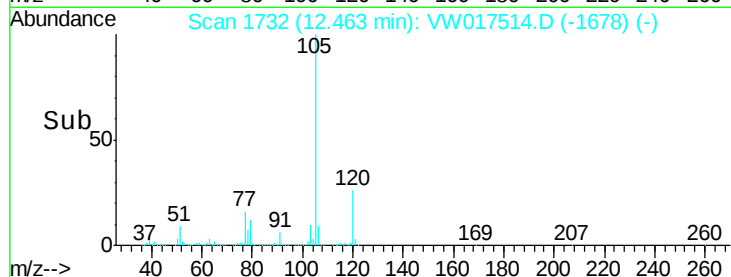
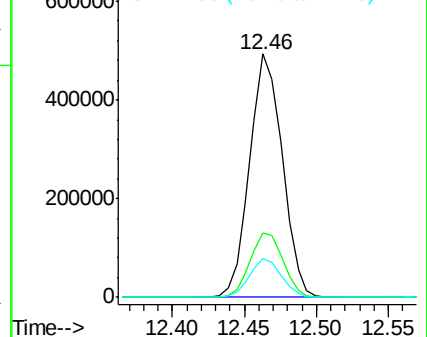
77 15.7 12.1 18.1



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: 29.623 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

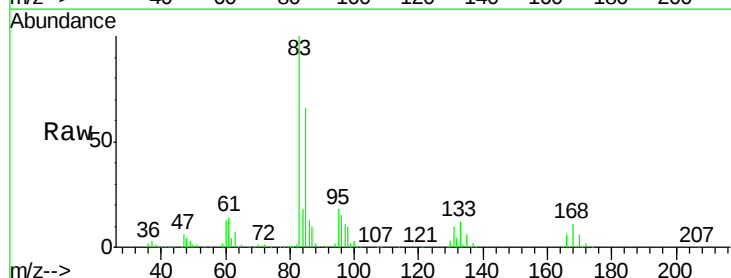
Tgt Ion: 83 Resp: 139319

Ion Ratio Lower Upper

83 100

85 66.5 45.3 84.1

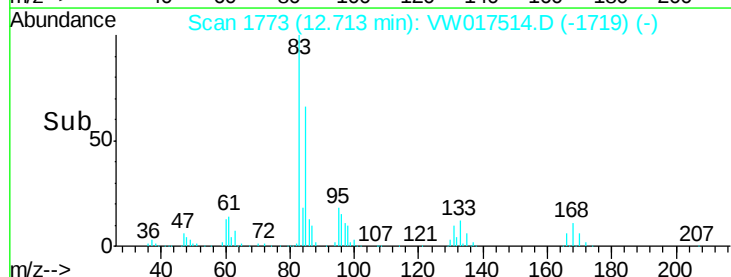
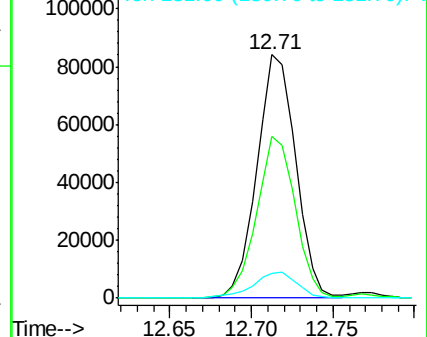
131 10.3 8.3 12.5

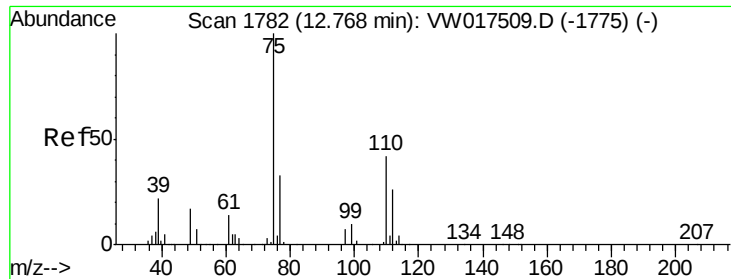


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 29.657 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

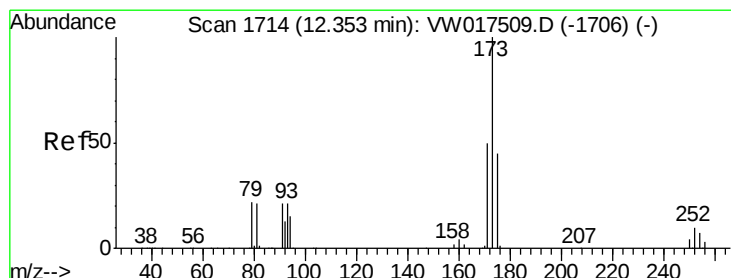
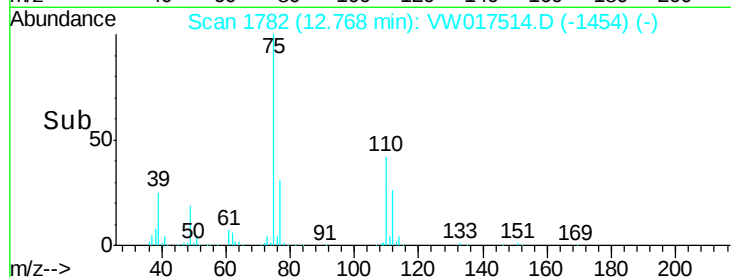
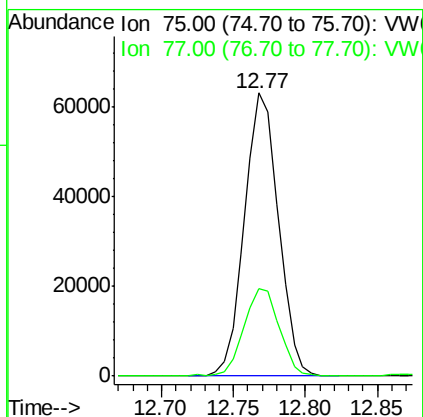
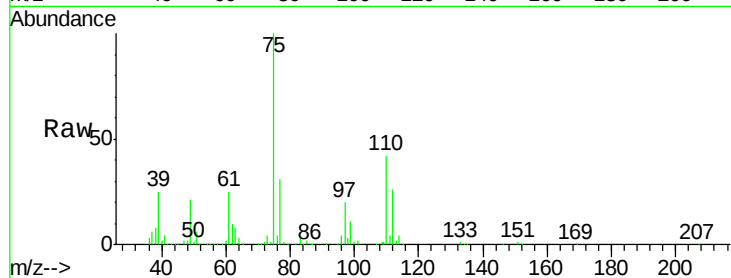
VSTD02525

Tgt Ion: 75 Resp: 102948

Ion Ratio Lower Upper

75 100

77 32.4 26.6 39.8



#62

Bromoform

Concen: 28.237 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

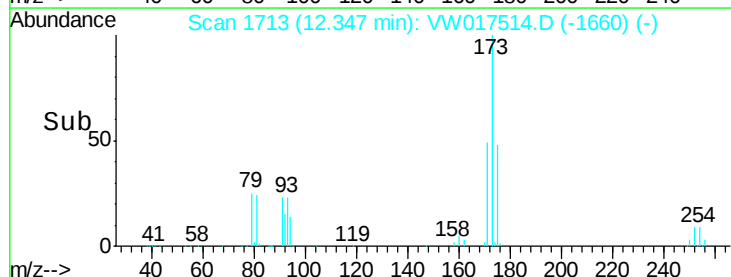
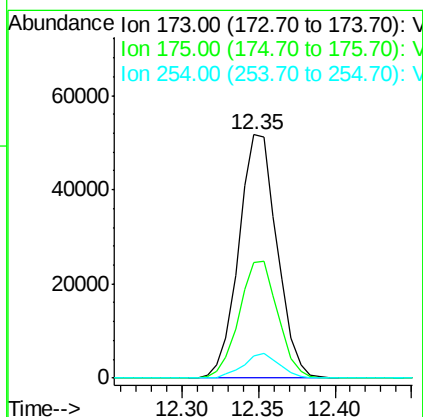
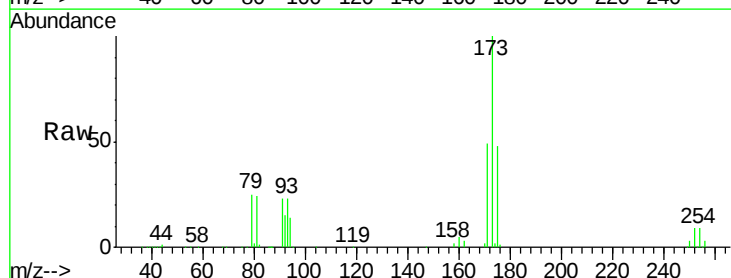
Tgt Ion: 173 Resp: 89725

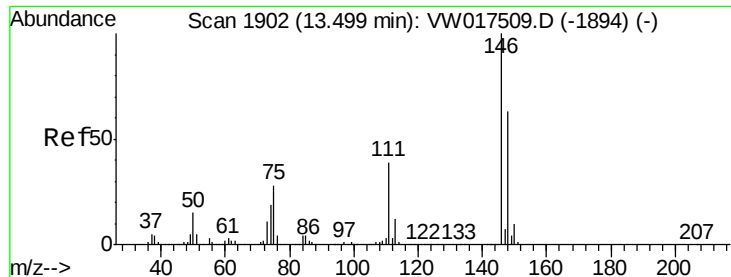
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 9.6 7.1 10.7

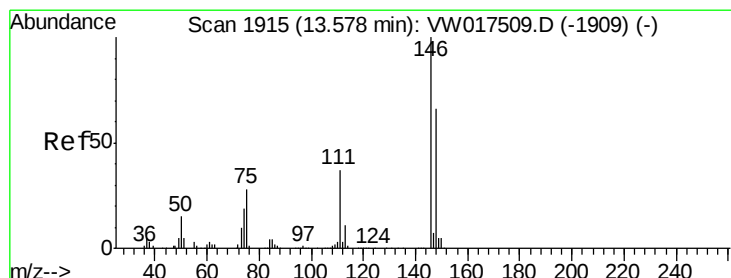
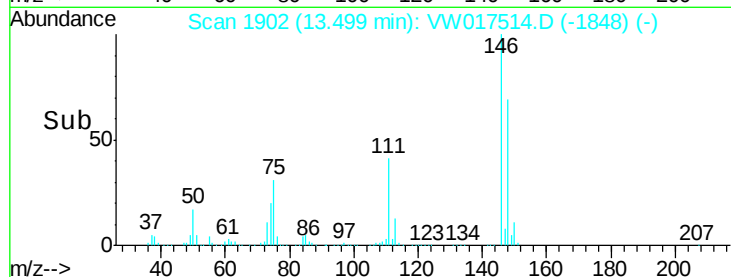
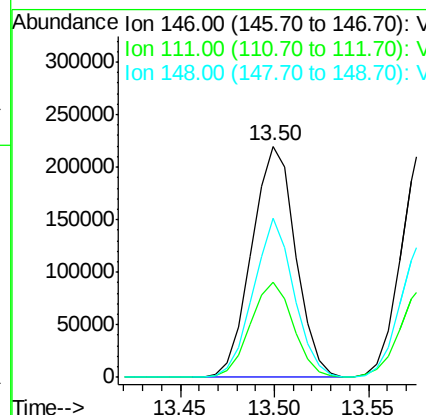
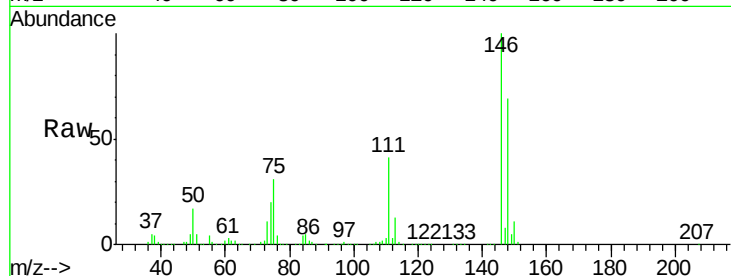




#63
 1,3-Dichlorobenzene
 Concen: 24.474 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

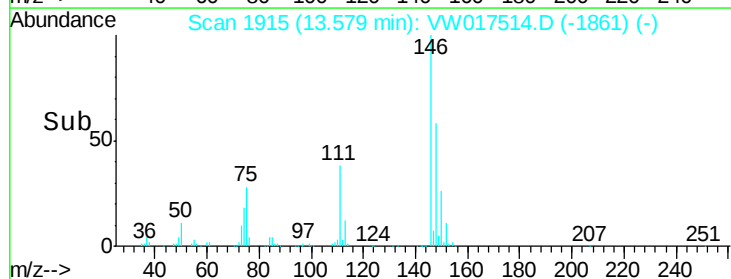
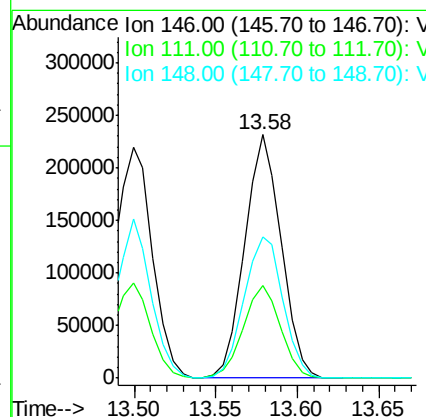
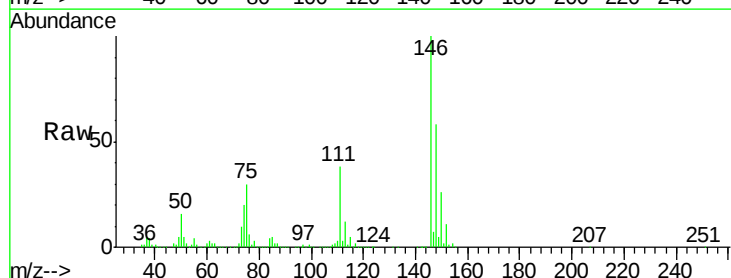
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

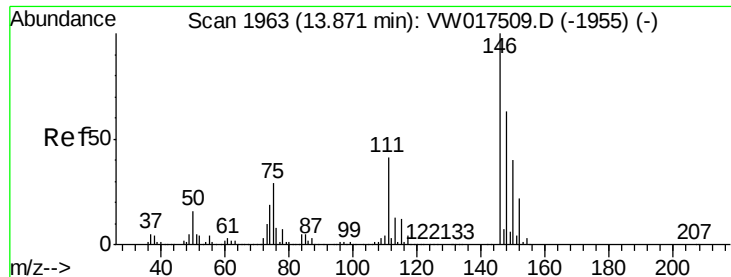
Tgt Ion:146 Resp: 353730
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.5 52.9
 148 68.6 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 25.191 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion:146 Resp: 360692
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.7 51.5
 148 58.0 47.0 87.2

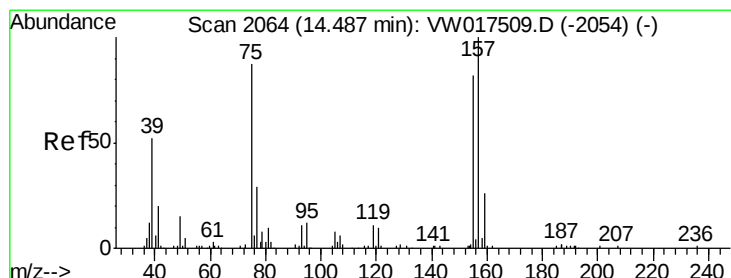
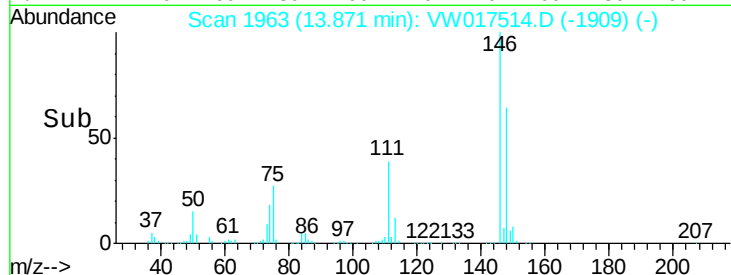
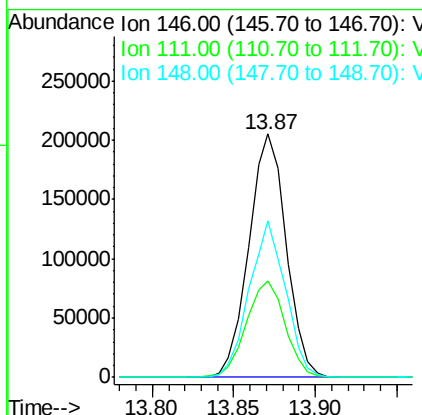
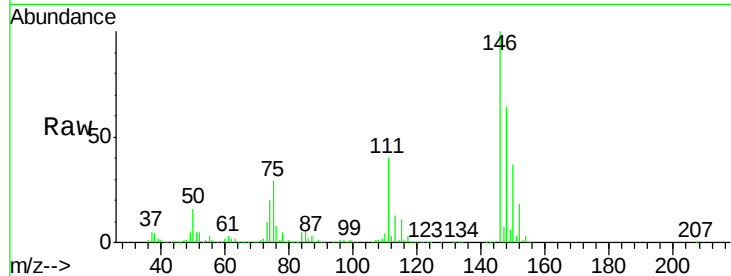




#65
 1,2-Dichlorobenzene
 Concen: 26.057 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

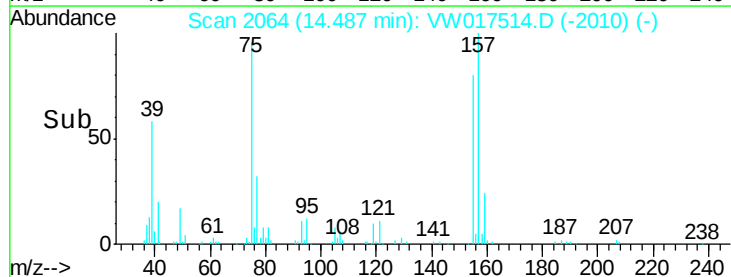
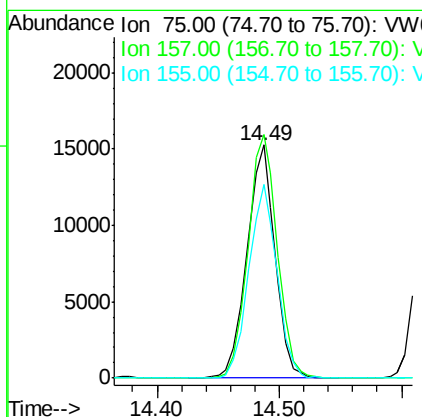
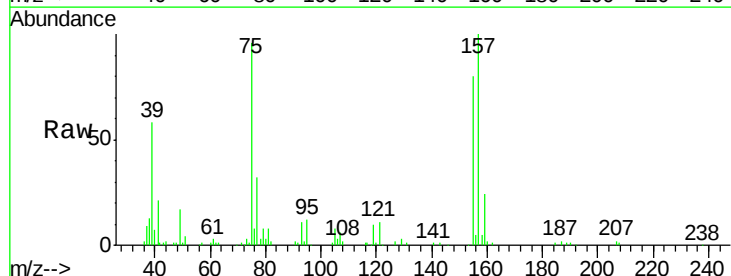
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02525

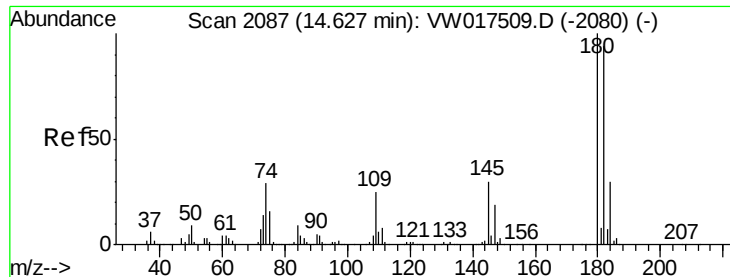
Tgt Ion: 146 Resp: 328021
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.7 47.5
 148 64.1 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.925 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion: 75 Resp: 24255
 Ion Ratio Lower Upper
 75 100
 157 104.4 99.9 149.9
 155 83.2 71.4 107.0

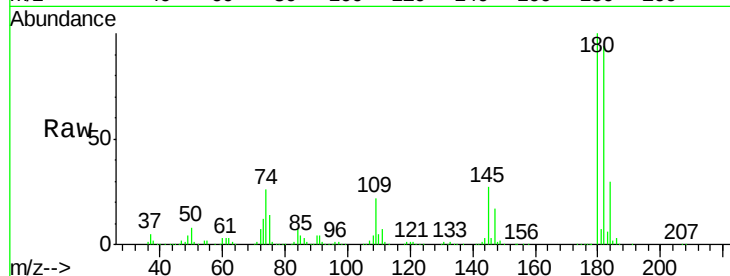




#67
 1,3,5-Trichlorobenzene
 Concen: 26.066 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	77.0	115.6
184	30.3	24.2	36.4
145	29.0	23.5	35.3



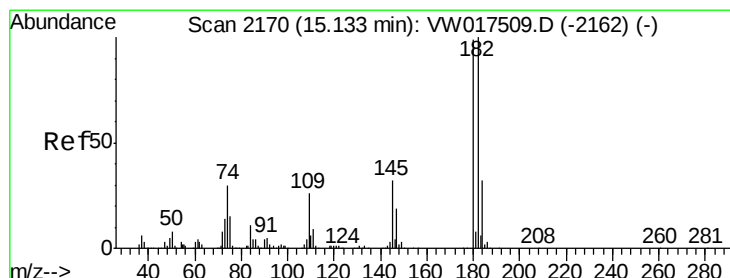
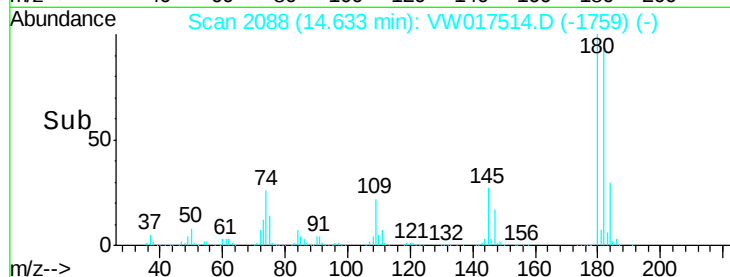
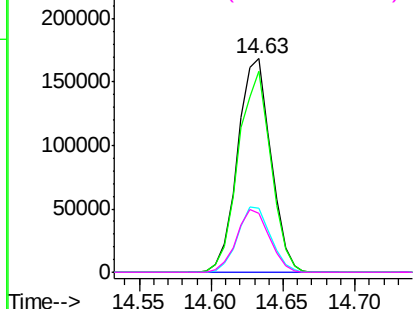
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

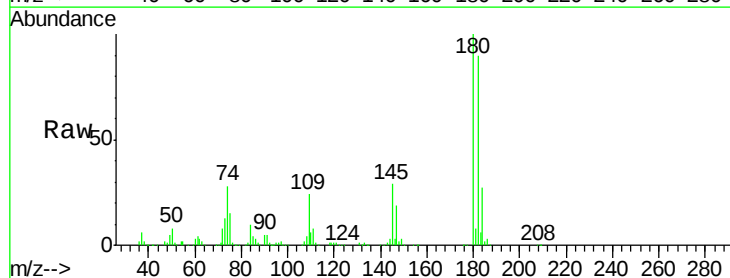
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.112 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017514.D
 Acq: 30 Nov 2020 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	71.3	106.9
145	30.8	24.0	36.0

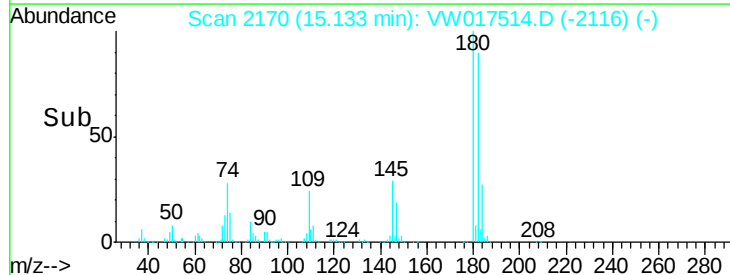
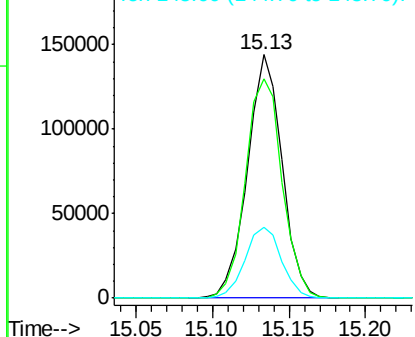


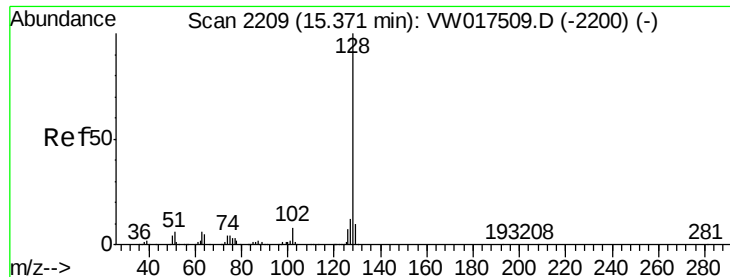
Abundance

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: 30.519 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

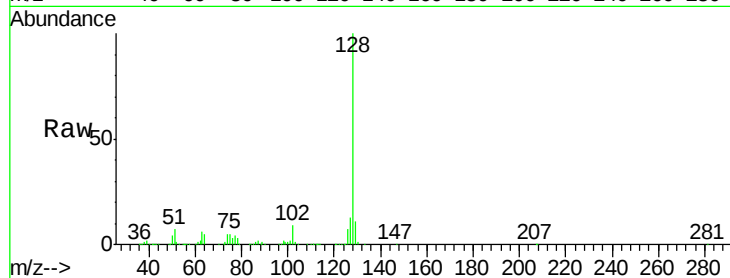
Tgt Ion:128 Resp: 394440

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

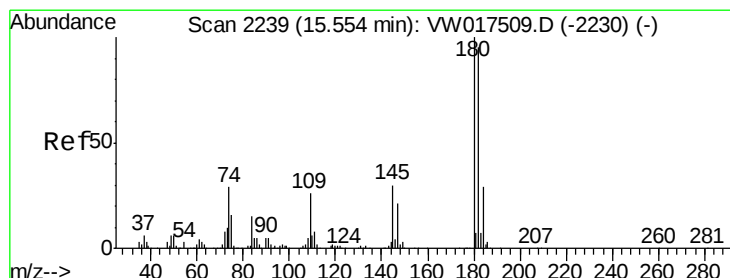
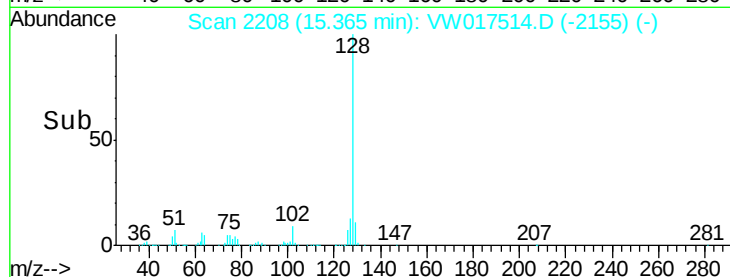
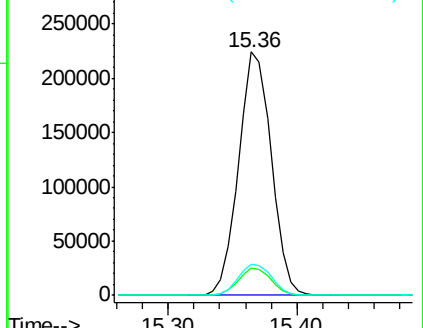
127 13.0 10.7 16.1



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: 28.420 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW017514.D

Acq: 30 Nov 2020 13:32

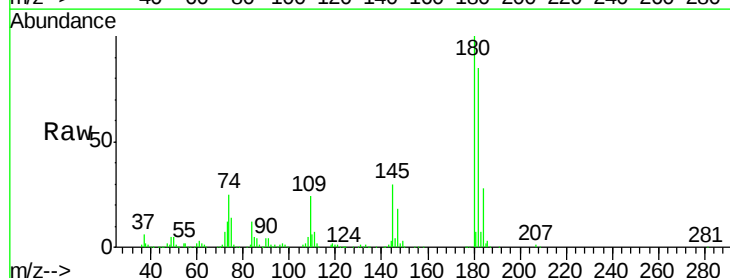
Tgt Ion:180 Resp: 198423

Ion Ratio Lower Upper

180 100

182 92.2 74.7 112.1

145 32.7 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

