

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017244.D
 Acq On : 15 Nov 2020 17:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Nov 16 09:57:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	403451	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	371330	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95083	18.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.84%
7) Chloroethane-d5	2.89	69	89759	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
10) 1,1-Dichloroethene-d2	4.03	63	200700	22.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.32%
20) 2-Butanone-d5	7.08	46	52731	46.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.80%
24) Chloroform-d	7.65	84	246503	26.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	8.31	65	119950	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.48%
29) Benzene-d6	8.28	84	445399	23.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.20%
33) 1,2-Dichloropropane-d6	9.27	67	125827	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.24%
37) Toluene-d8	10.32	98	423942	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	10.58	79	55559	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.24%
39) 2-Hexanone-d5	10.93	63	44184	48.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109246	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	171405	25.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	85130	21.031	ug/L	98
3) Chloromethane	2.21	50	71352	19.422	ug/L	98
5) Vinyl chloride	2.37	62	119611	22.199	ug/L	98
6) Bromomethane	2.78	94	98236	26.363	ug/L	98
8) Chloroethane	2.93	64	79976	24.600	ug/L	97
9) Trichlorofluoromethane	3.26	101	113696	25.944	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	127364	24.457	ug/L	97
12) 1,1-Dichloroethene	4.05	96	119715	23.908	ug/L	87
13) Acetone	4.13	43	31615	41.549	ug/L	94
14) Carbon disulfide	4.39	76	272972	20.031	ug/L	99
16) Methylene chloride	4.92	84	124884	22.959	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	164726	26.940	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	125840	24.278	ug/L	99
19) 1,1-Dichloroethane	6.22	63	208925	25.441	ug/L	98
21) 2-Butanone	7.18	43	50447	41.290	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	140525	25.641	ug/L	99
23) Bromochloromethane	7.52	128	67051	25.411	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017244.D
 Acq On : 15 Nov 2020 17:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Nov 16 09:57:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration

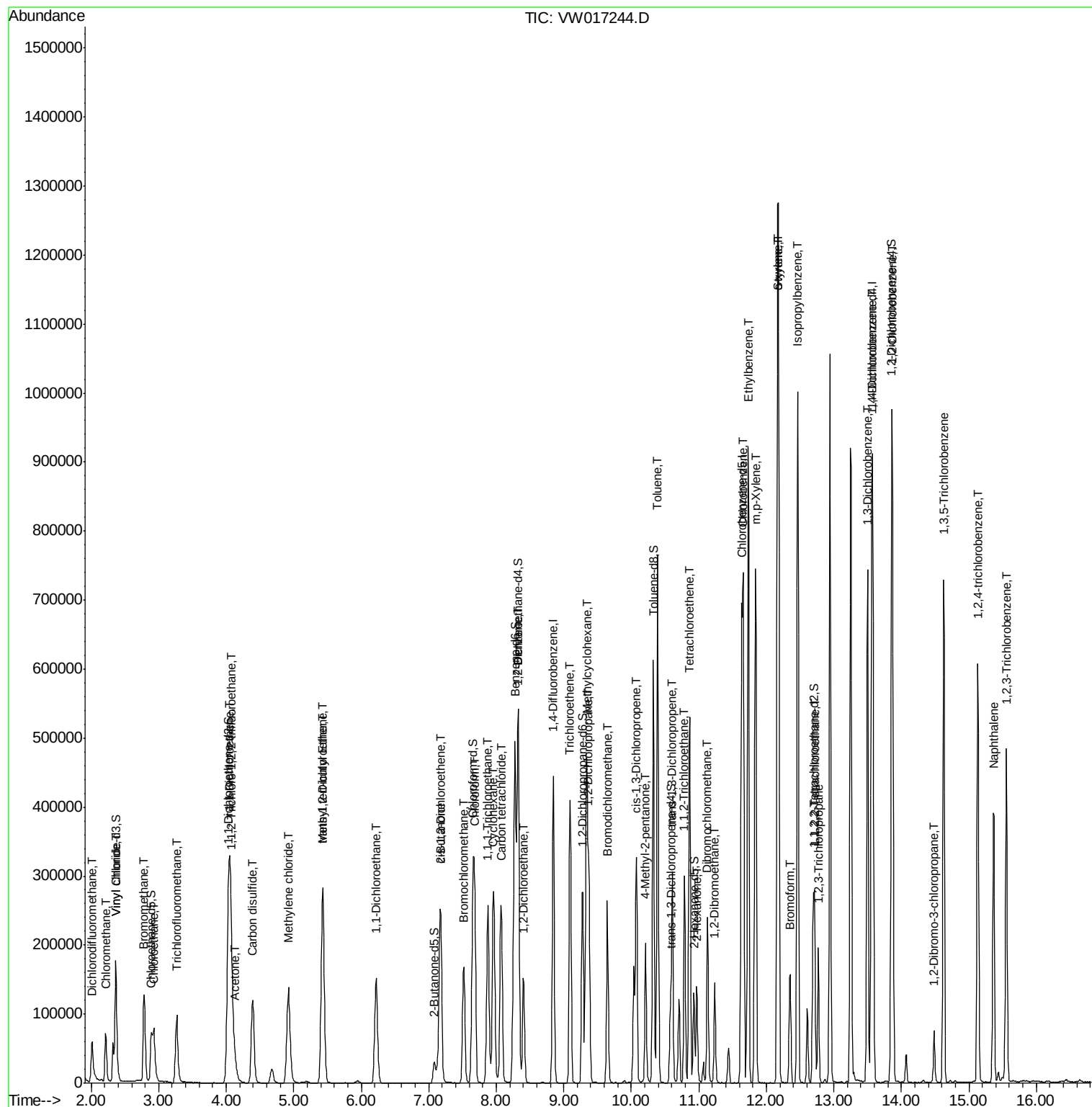
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	238494	26.675	ug/L	99
27) 1,2-Dichloroethane	8.40	62	140532	26.229	ug/L	95
30) Cyclohexane	7.96	56	156867	22.437	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	212637	27.963	ug/L	99
32) Carbon tetrachloride	8.07	117	201905	27.516	ug/L	97
34) Benzene	8.33	78	480636	24.650	ug/L	100
35) Trichloroethene	9.09	95	136077	24.913	ug/L	95
36) Methylcyclohexane	9.34	83	203252	23.126	ug/L	97
40) 1,2-Dichloropropane	9.37	63	112708	24.727	ug/L	98
41) Bromodichloromethane	9.65	83	168979	26.805	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	186950	25.895	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	119594	42.528	ug/L	97
44) Toluene	10.39	91	558533	26.024	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	161889	26.111	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	96360	24.520	ug/L	97
47) Tetrachloroethene	10.87	164	120862	24.526	ug/L	95
49) 2-Hexanone	10.97	43	80683	47.591	ug/L	95
50) Dibromochloromethane	11.13	129	128954	26.934	ug/L	98
51) 1,2-Dibromoethane	11.24	107	93757	24.558	ug/L	97
52) Chlorobenzene	11.66	112	385316	26.544	ug/L	99
53) Ethylbenzene	11.73	91	635265	26.499	ug/L	100
54) m,p-Xylene	11.84	106	247068	26.347	ug/L	100
55) o-xylene	12.17	106	243223	27.326	ug/L	100
56) Styrene	12.18	104	410329	27.457	ug/L	97
57) Isopropylbenzene	12.47	105	669684	27.723	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	106128	23.377	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	74202	22.739	ug/L	99
62) Bromoform	12.35	173	74916	25.114	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	325274	26.907	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	315904	26.010	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	284678	26.113	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16482	22.867	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	225540	25.318	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	200182	28.159	ug/L	99
69) Naphthalene	15.37	128	347628	26.572	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178605	27.497	ug/L	100

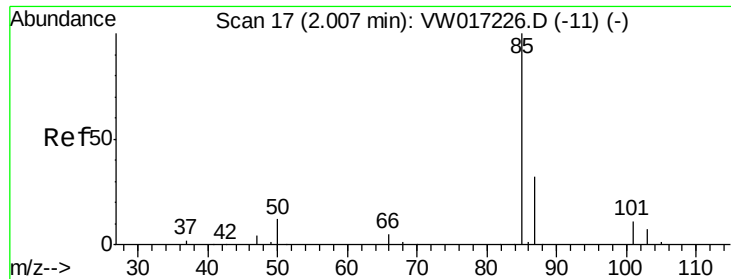
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017244.D
 Acq On : 15 Nov 2020 17:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Nov 16 09:57:03 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 09:47:42 2020
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.031 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

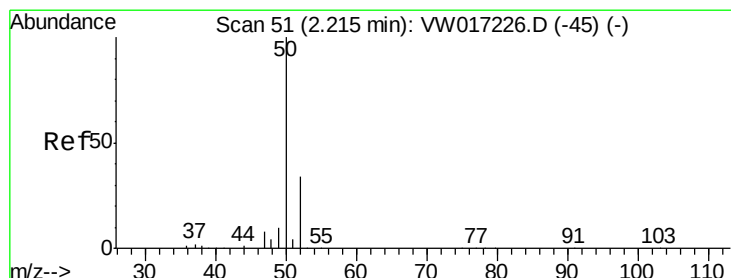
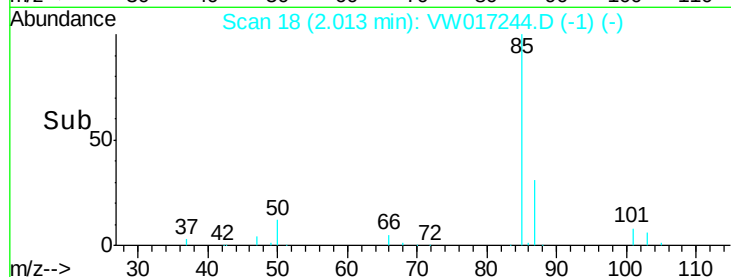
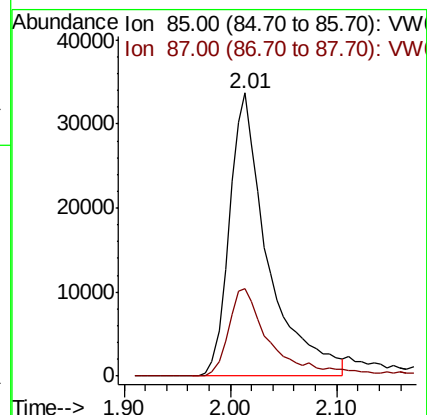
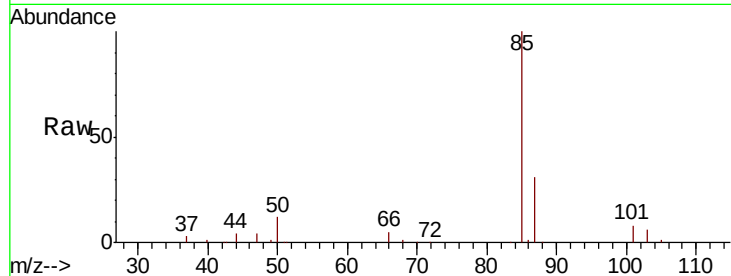
VSTD02529

Tot Ion: 85 Resp: 85130

Ion Ratio Lower Upper

85 100

87 29.7 21.5 39.9



#3

Chloromethane

Concen: 19.422 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017244.D

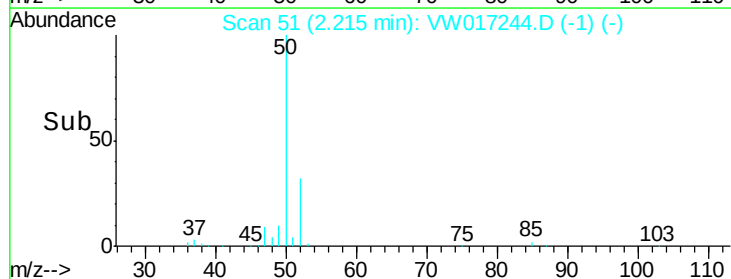
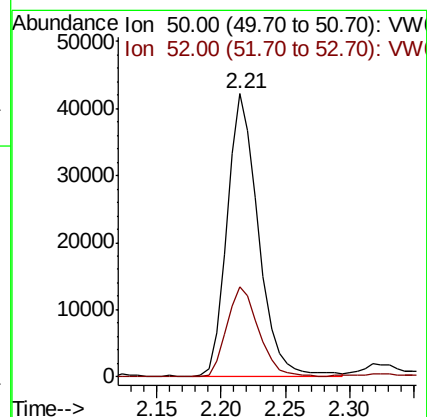
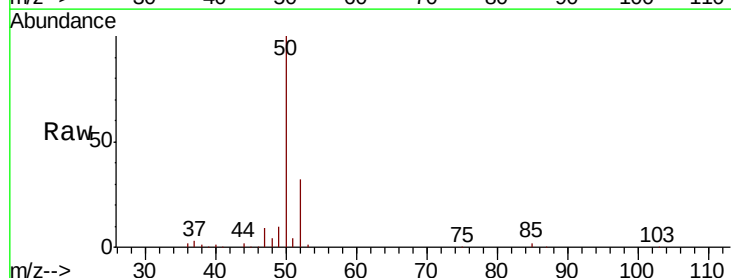
Acq: 15 Nov 2020 17:36

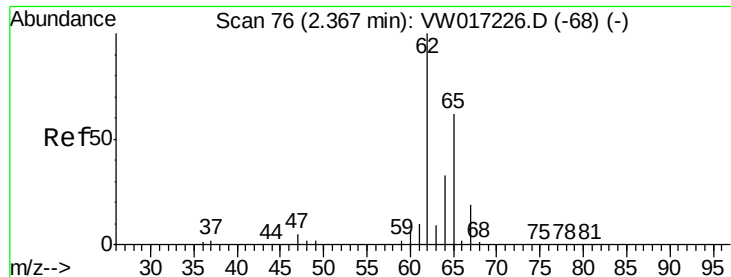
Tgt Ion: 50 Resp: 71352

Ion Ratio Lower Upper

50 100

52 32.0 23.1 42.9





#5

Vinyl chloride

Concen: 22.199 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

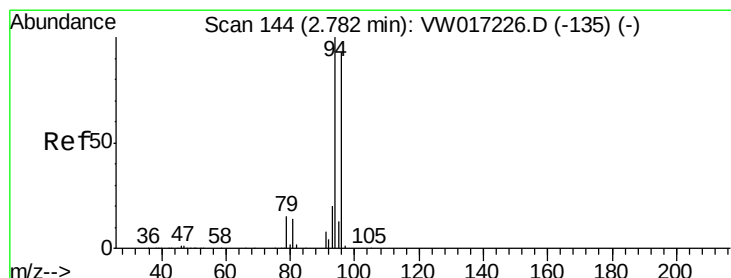
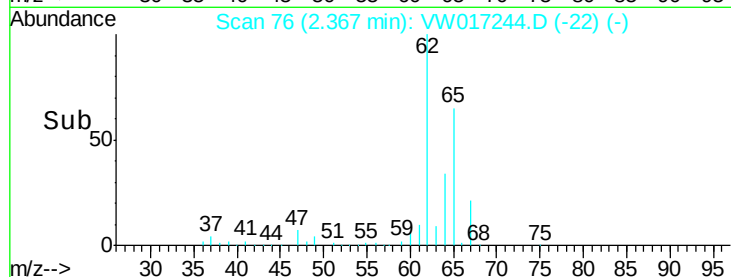
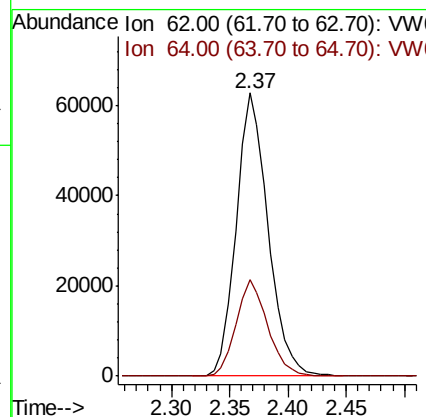
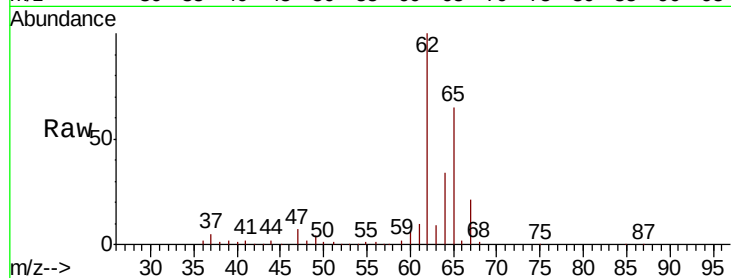
VSTD02529

Tot Ion: 62 Resp: 119611

Ion Ratio Lower Upper

62 100

64 34.2 23.3 43.3



#6

Bromomethane

Concen: 26.363 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017244.D

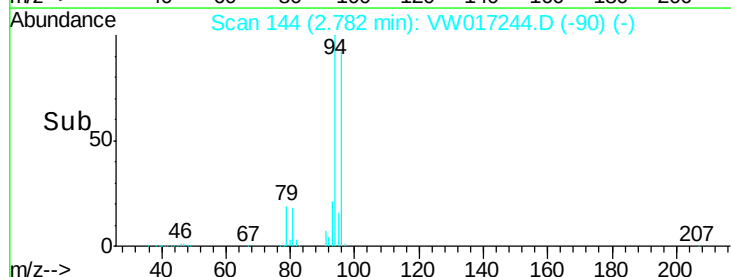
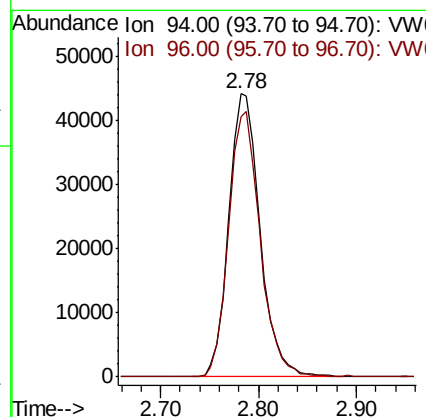
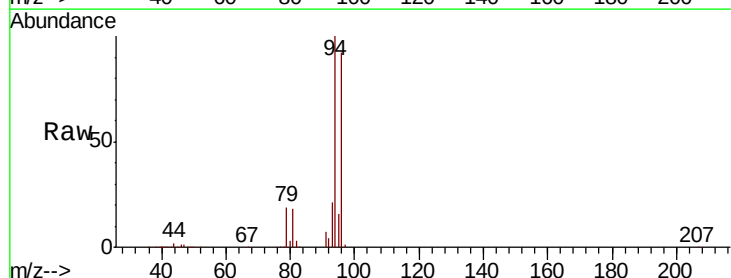
Acq: 15 Nov 2020 17:36

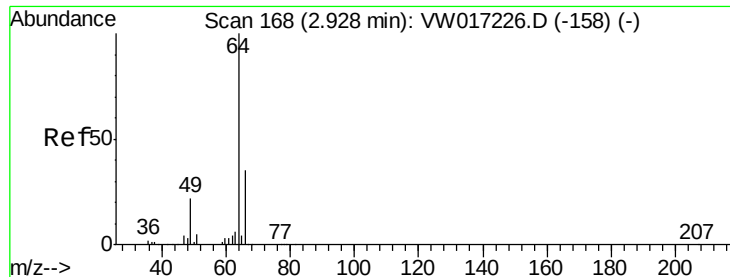
Tgt Ion: 94 Resp: 98236

Ion Ratio Lower Upper

94 100

96 94.1 9.6 181.8





#8

Chloroethane

Concen: 24.600 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

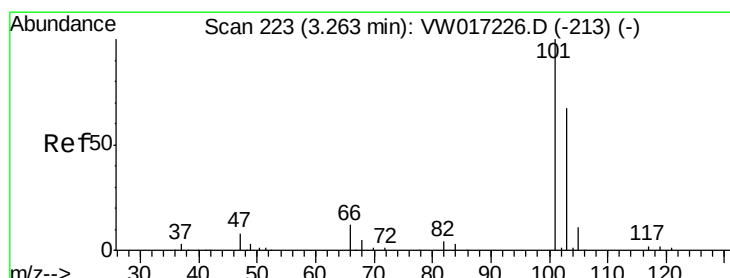
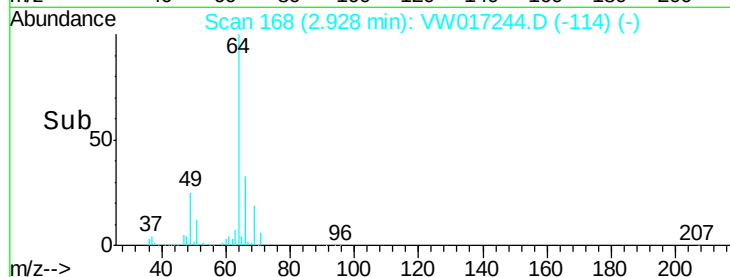
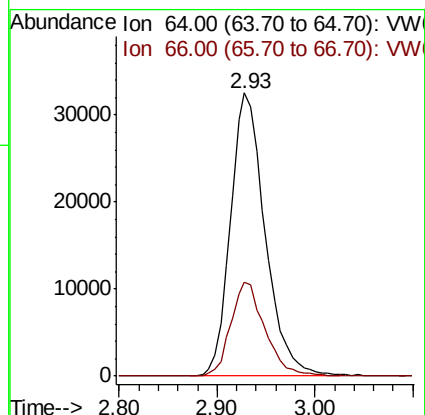
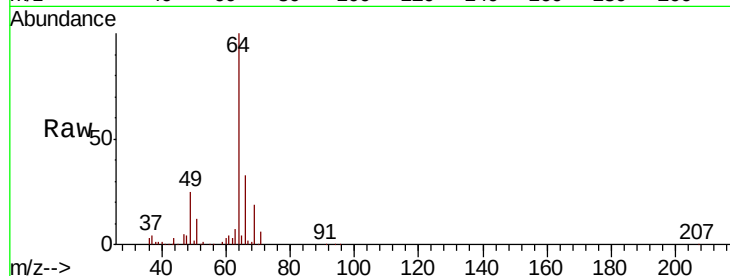
VSTD02529

Tot Ion: 64 Resp: 79976

Ion Ratio Lower Upper

64 100

66 33.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 25.944 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017244.D

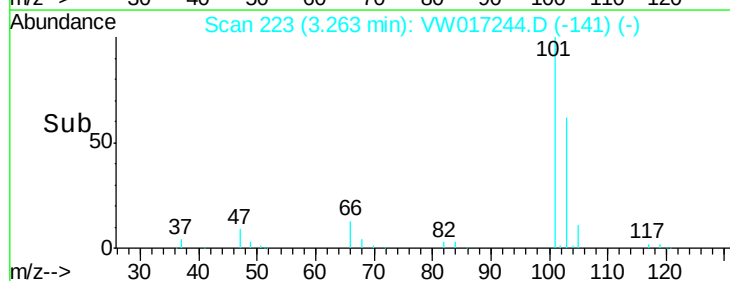
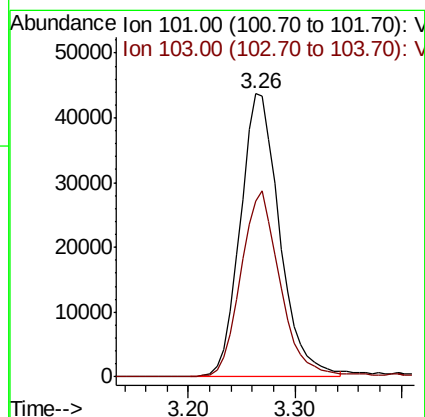
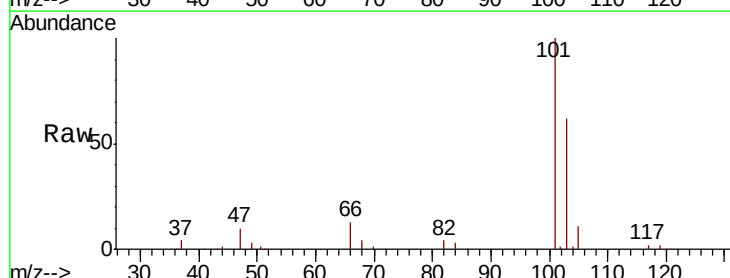
Acq: 15 Nov 2020 17:36

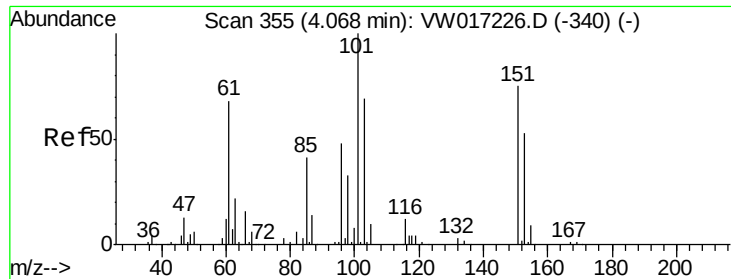
Tgt Ion: 101 Resp: 113696

Ion Ratio Lower Upper

101 100

103 65.1 45.4 84.2





#11

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

Concen: 24.457 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

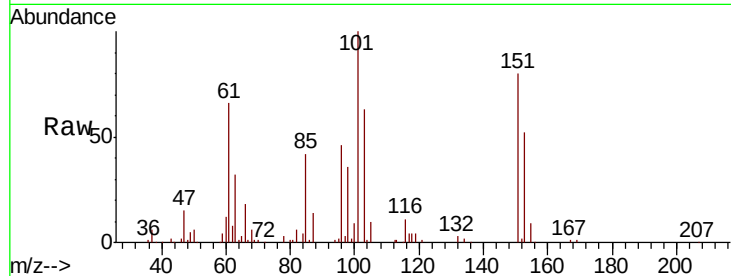
Tot Ion:101 Resp: 127364

Ion Ratio Lower Upper

101 100

85 42.8 32.8 49.2

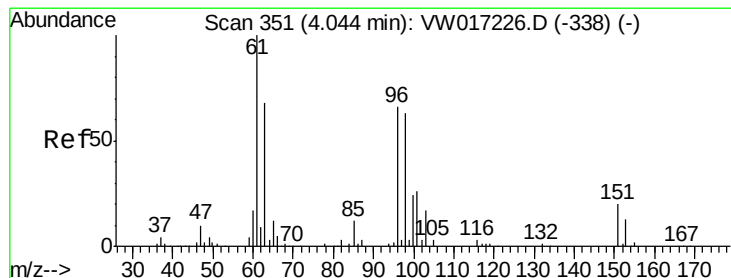
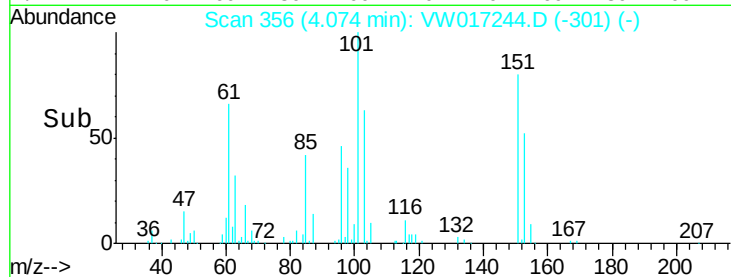
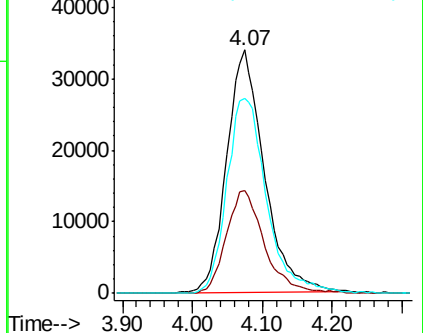
151 84.6 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.908 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

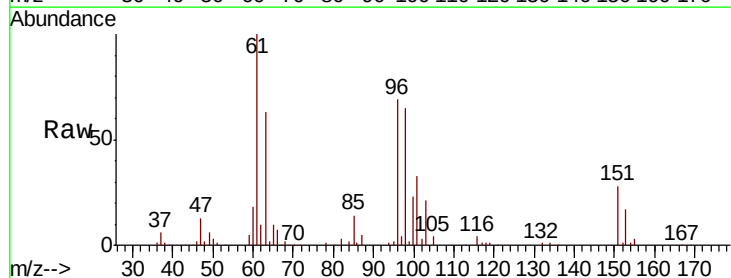
Tgt Ion: 96 Resp: 119715

Ion Ratio Lower Upper

96 100

61 145.8 103.8 192.8

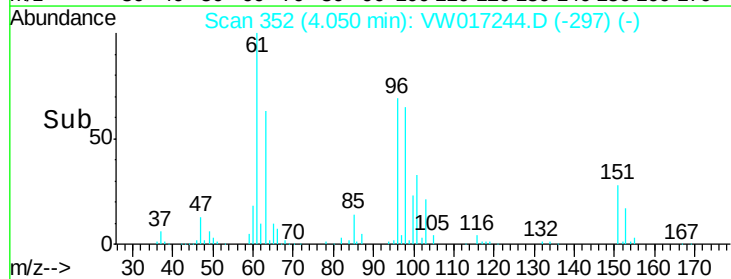
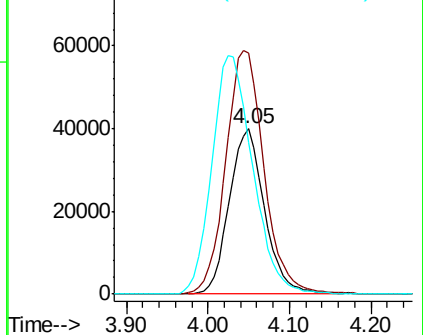
63 91.4 84.4 156.7

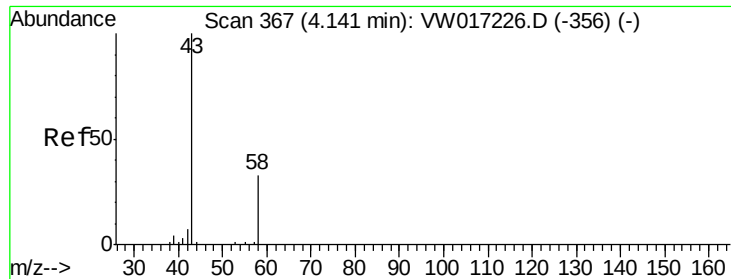


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.549 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

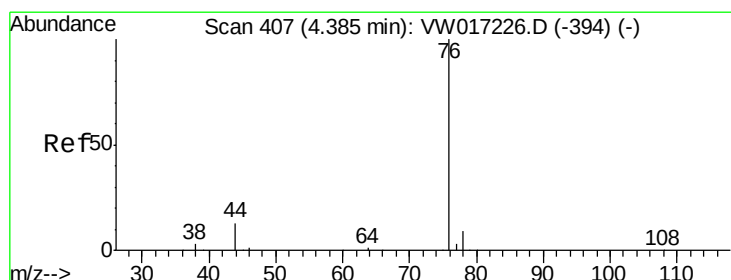
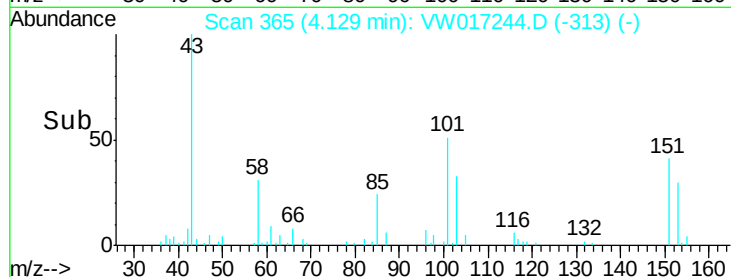
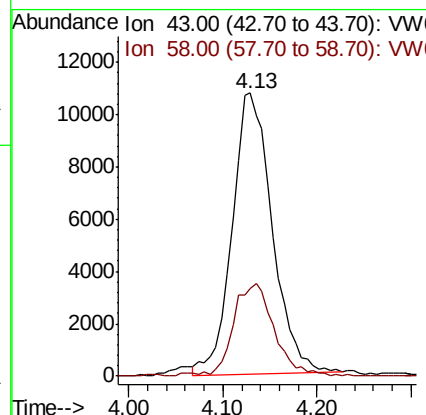
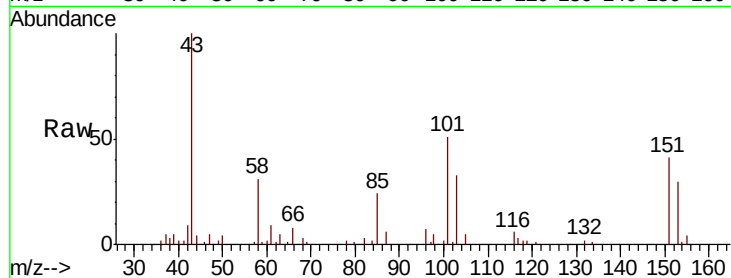
VSTD02529

Tot Ion: 43 Resp: 31615

Ion Ratio Lower Upper

43 100

58 31.0 0.0 69.2



#14

Carbon disulfide

Concen: 20.031 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017244.D

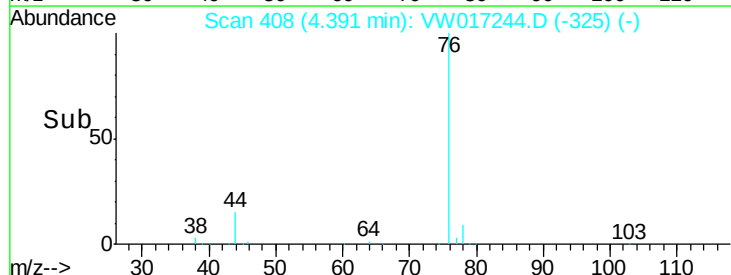
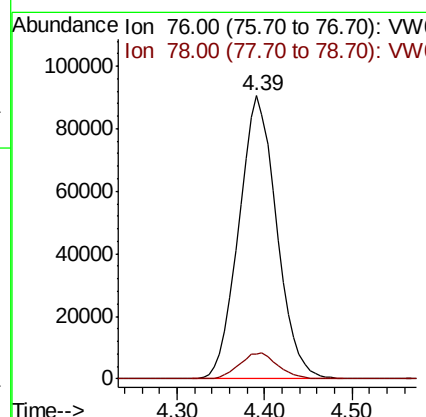
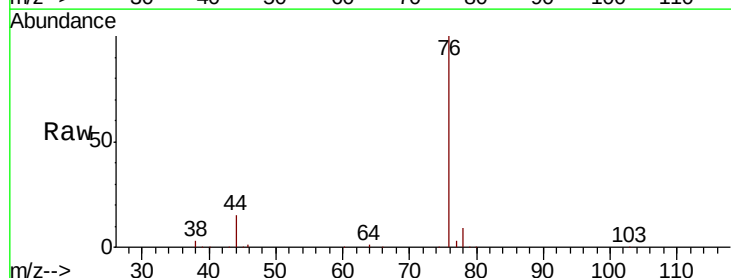
Acq: 15 Nov 2020 17:36

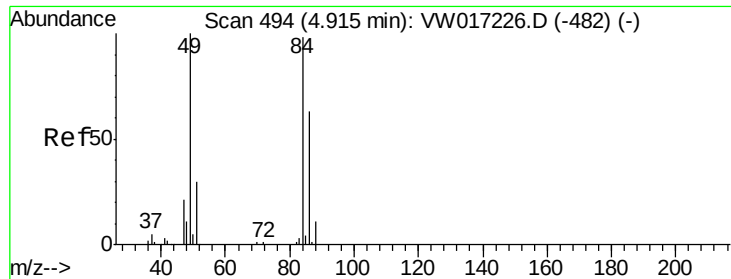
Tgt Ion: 76 Resp: 272972

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

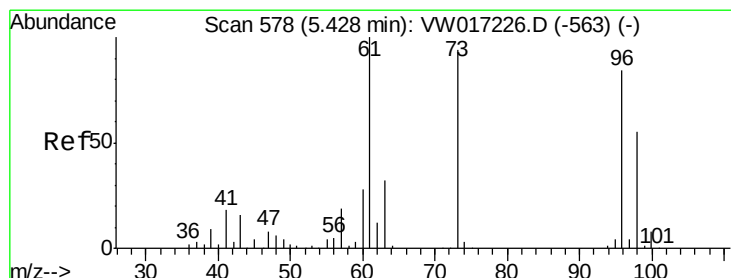
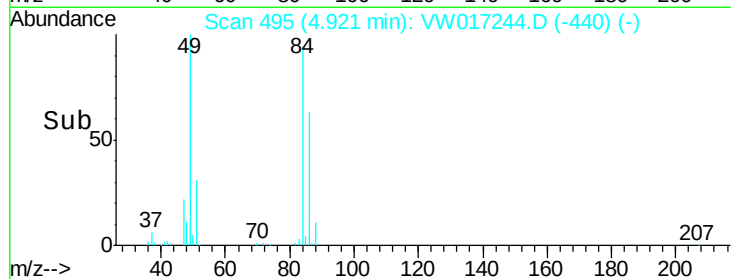
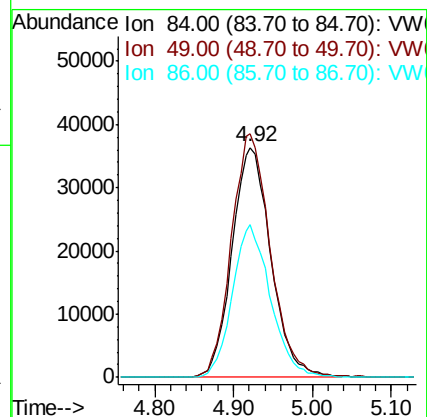
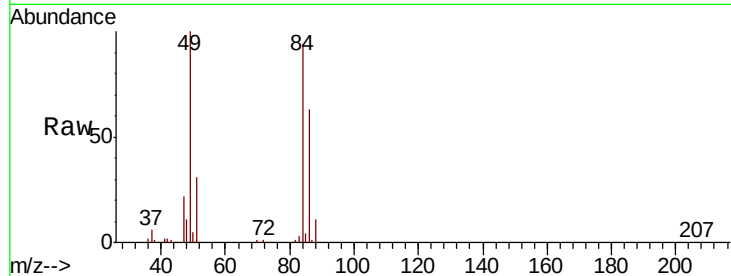




#16
Methylene chloride
Concen: 22.959 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

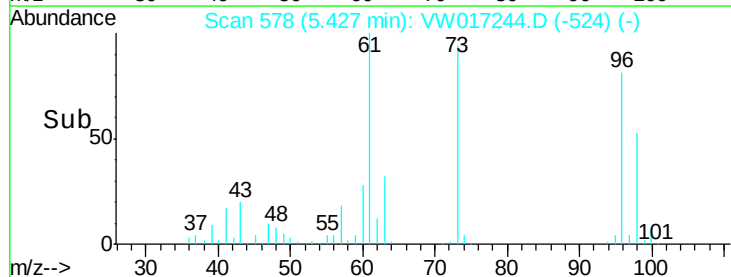
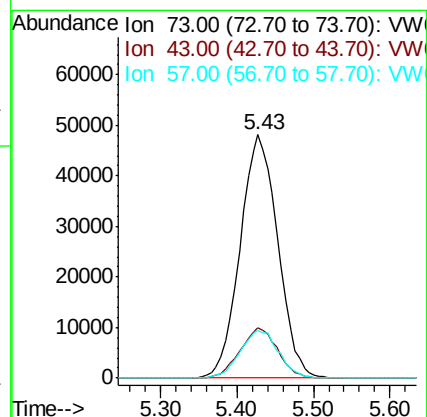
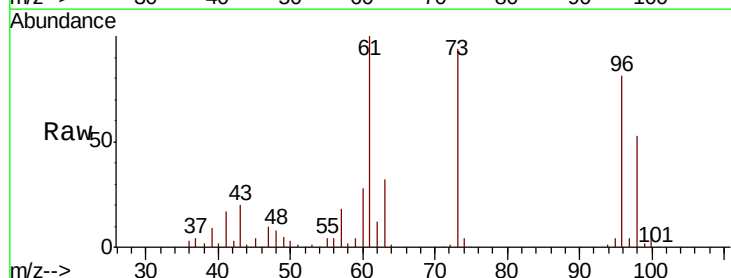
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

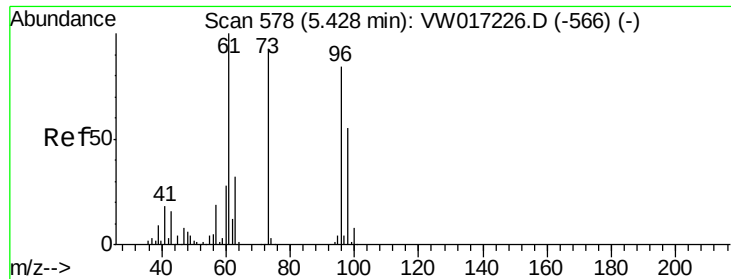
Tot Ion: 84 Resp: 124884
Ion Ratio Lower Upper
84 100
49 106.1 72.3 134.3
86 66.3 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 26.940 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Tgt Ion: 73 Resp: 164726
Ion Ratio Lower Upper
73 100
43 20.6 14.5 21.7
57 20.0 16.3 24.5





#18

trans-1,2-Dichloroethene

Concen: 24.278 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

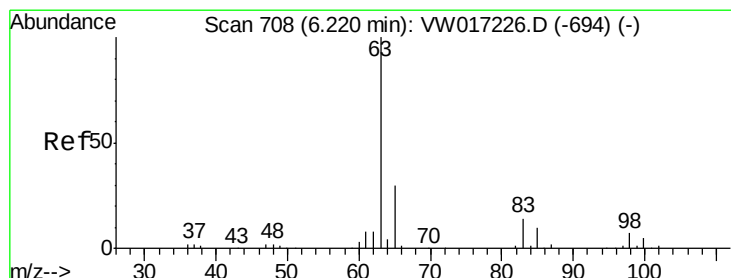
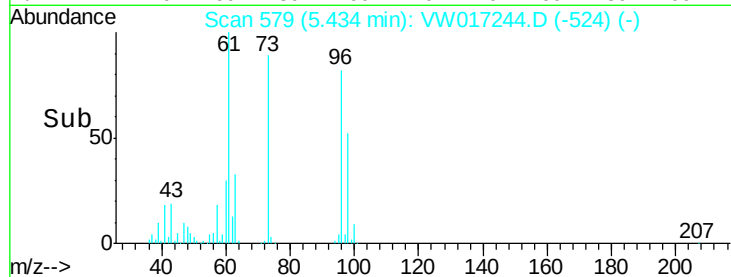
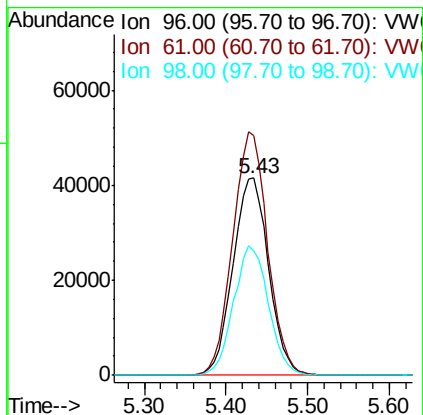
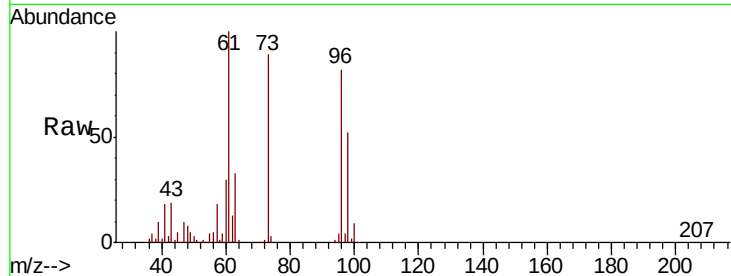
Tot Ion: 96 Resp: 125840

Ion Ratio Lower Upper

96 100

61 121.9 86.8 161.2

98 63.4 44.4 82.4



#19

1,1-Dichloroethane

Concen: 25.441 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

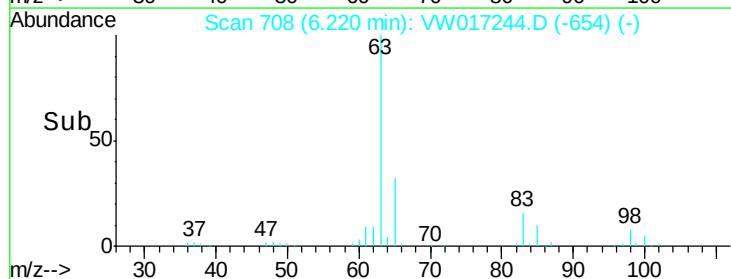
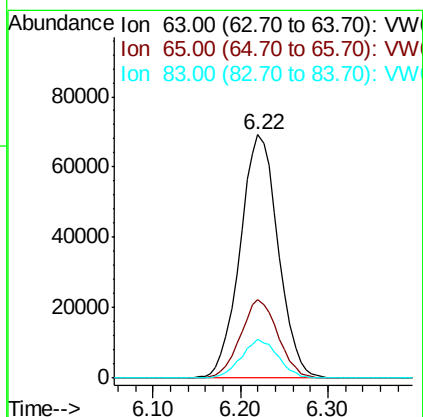
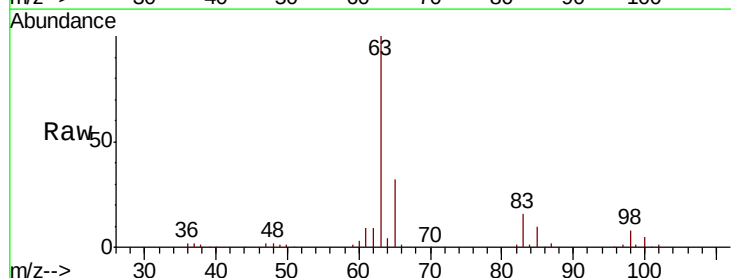
Tgt Ion: 63 Resp: 208925

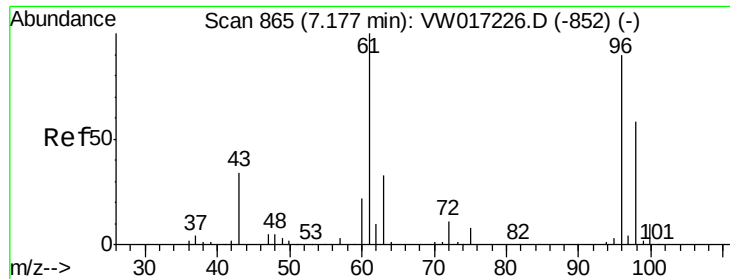
Ion Ratio Lower Upper

63 100

65 32.2 22.1 41.1

83 15.9 10.0 18.6





#21

2-Butanone

Concen: 41.290 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampled :

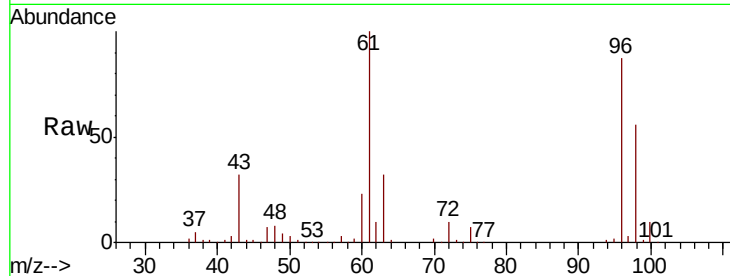
VSTD02529

Tot Ion: 43 Resp: 50447

Ion Ratio Lower Upper

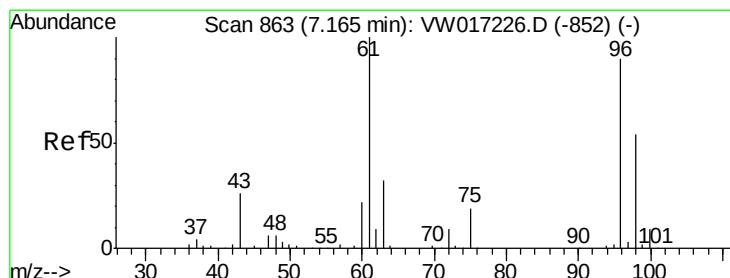
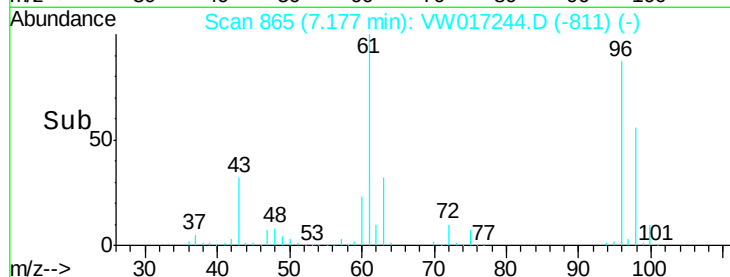
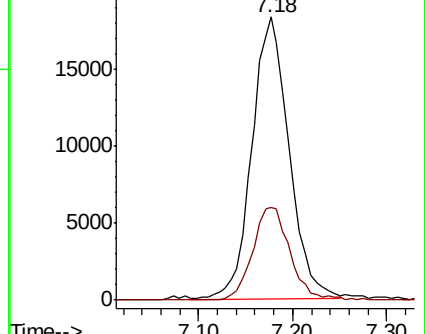
43 100

72 33.2 16.1 48.3



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: 25.641 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

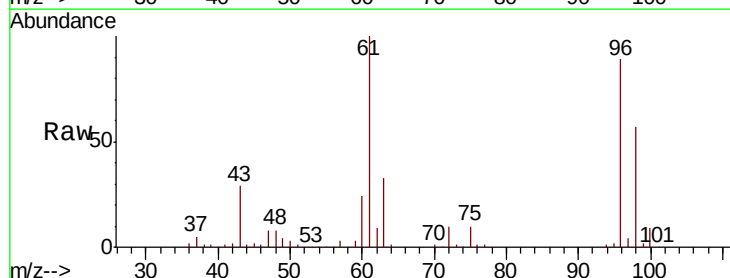
Tgt Ion: 96 Resp: 140525

Ion Ratio Lower Upper

96 100

61 112.1 77.4 143.8

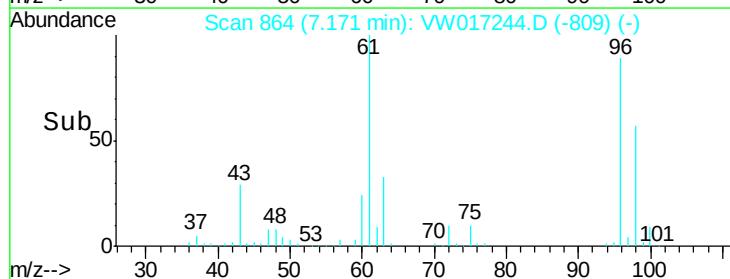
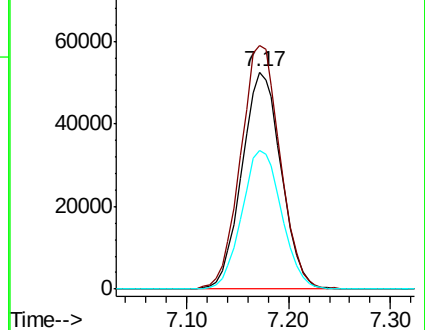
98 63.8 45.1 83.7

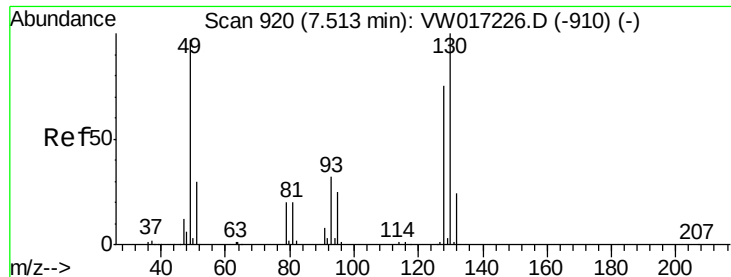


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 25.411 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tot Ion:128 Resp: 67051

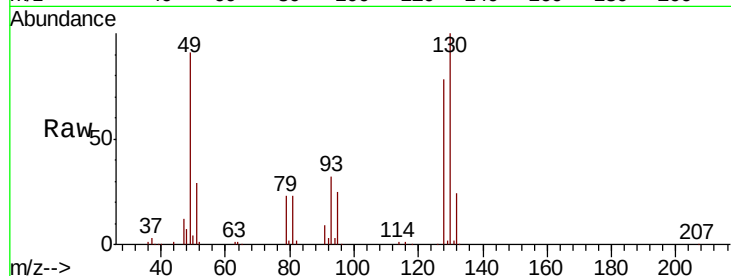
Ion Ratio Lower Upper

128 100

49 117.6 88.3 163.9

130 129.0 95.6 177.6

51 37.5 32.2 48.4

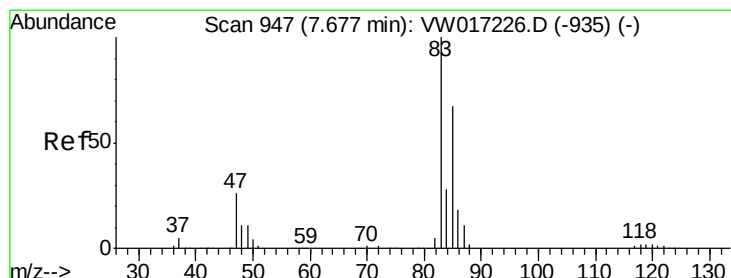
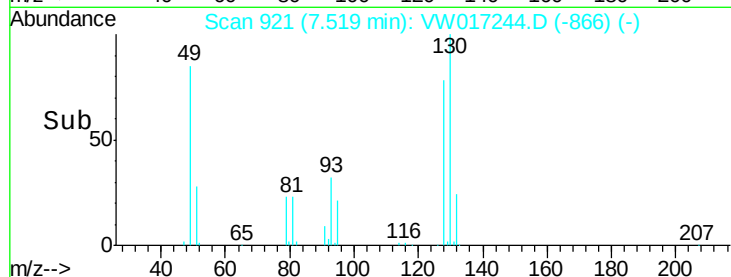
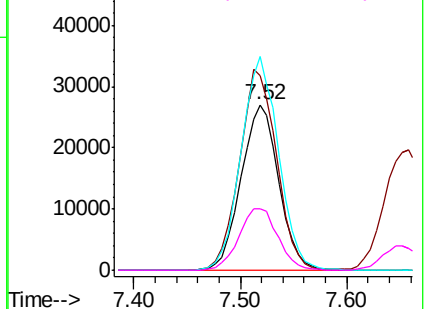


Abundance Ion 128.00 (127.70 to 128.70): V

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: 26.675 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW017244.D

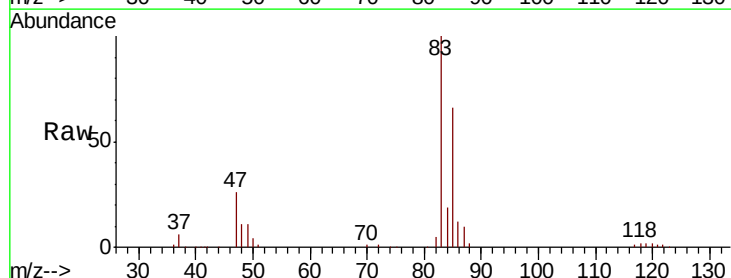
Acq: 15 Nov 2020 17:36

Tgt Ion: 83 Resp: 238494

Ion Ratio Lower Upper

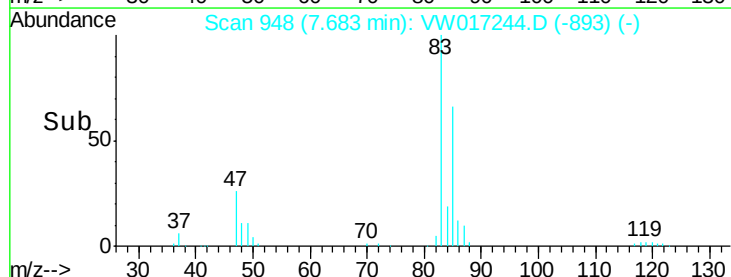
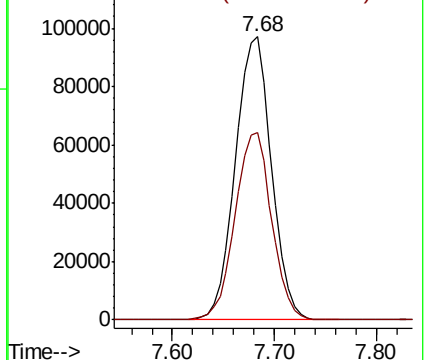
83 100

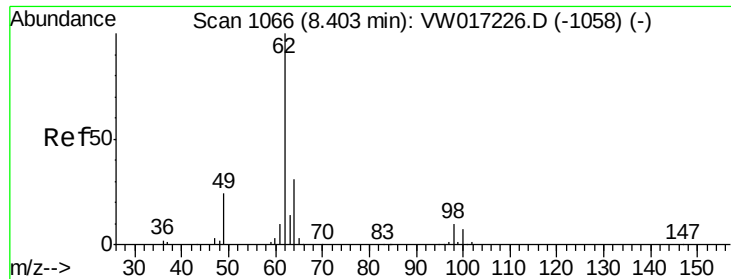
85 67.1 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 26.229 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

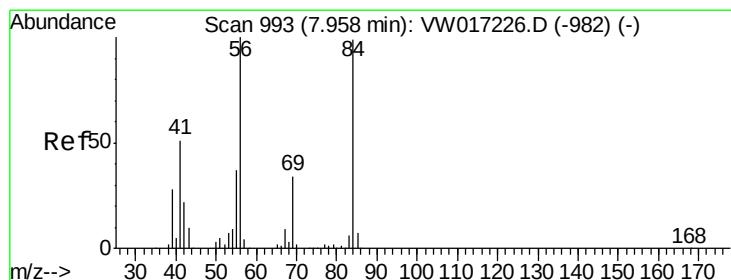
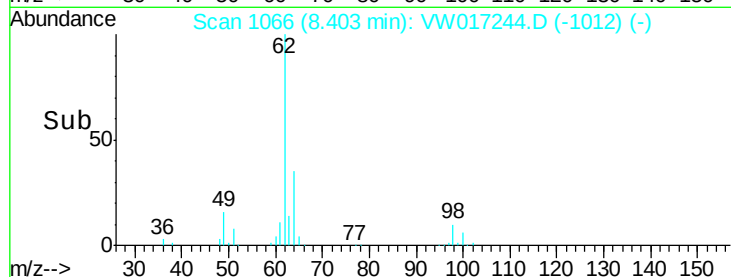
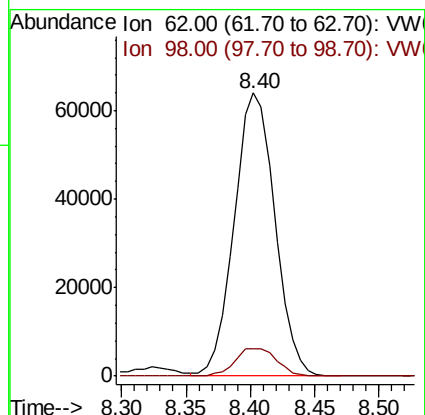
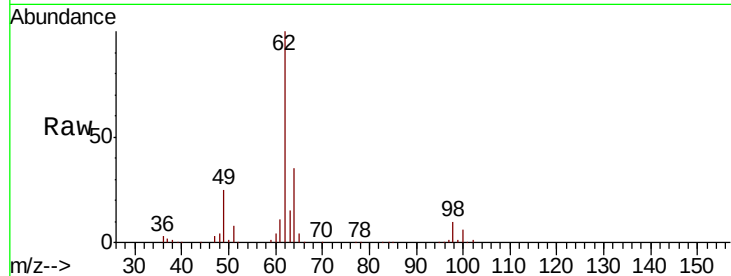
VSTD02529

Tot Ion: 62 Resp: 140532

Ion Ratio Lower Upper

62 100

98 9.8 9.4 14.0



#30

Cyclohexane

Concen: 22.437 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

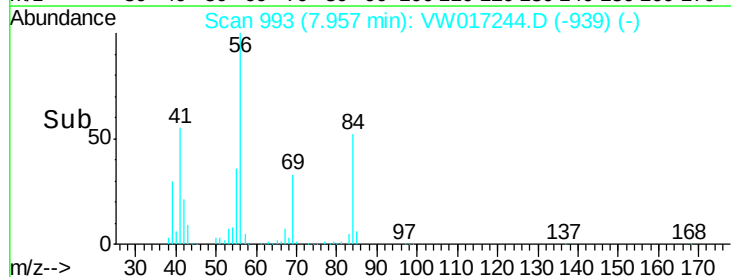
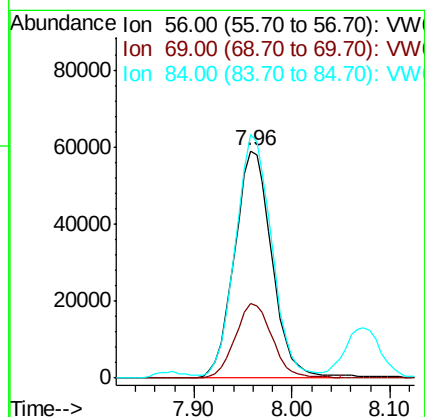
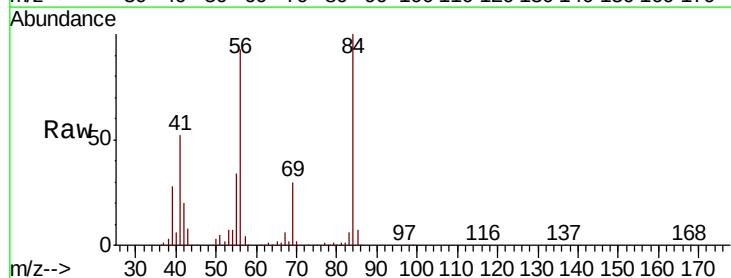
Tgt Ion: 56 Resp: 156867

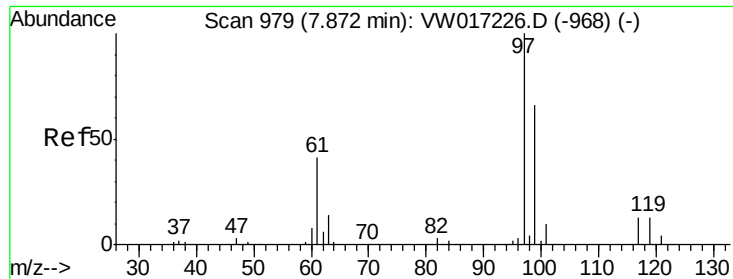
Ion Ratio Lower Upper

56 100

69 32.4 26.1 39.1

84 103.9 79.1 118.7





#31

1,1,1-Trichloroethane

Concen: 27.963 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

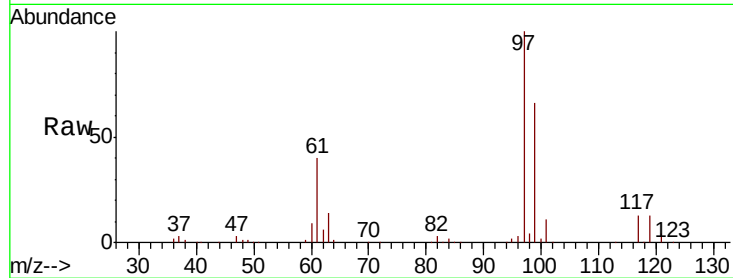
Tot Ion: 97 Resp: 212637

Ion Ratio Lower Upper

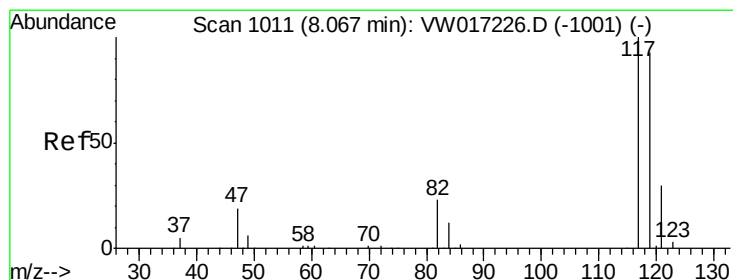
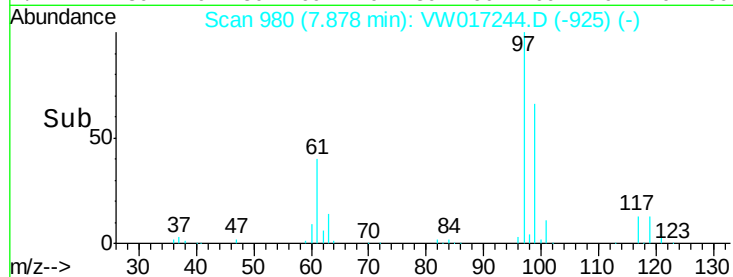
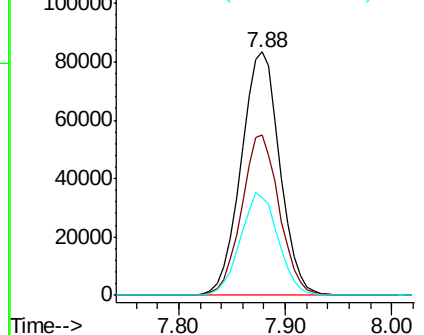
97 100

99 64.6 51.4 77.0

61 41.2 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 27.516 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017244.D

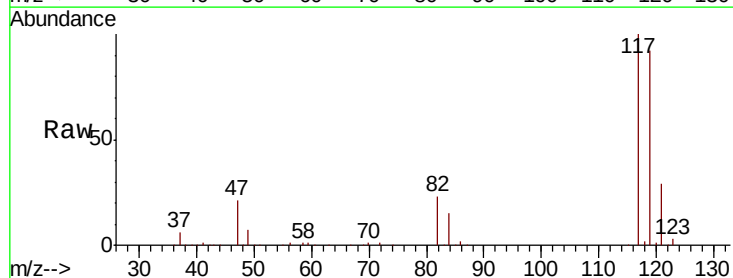
Acq: 15 Nov 2020 17:36

Tgt Ion: 117 Resp: 201905

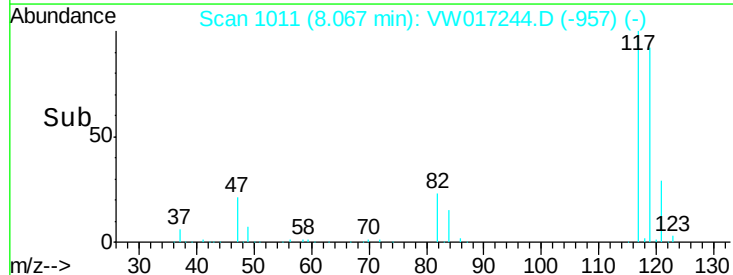
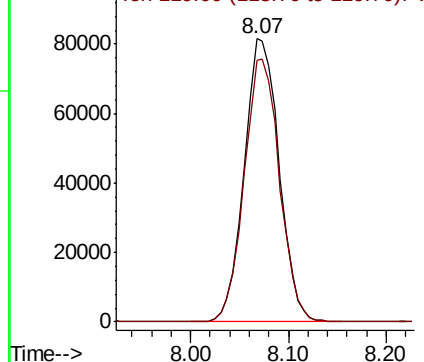
Ion Ratio Lower Upper

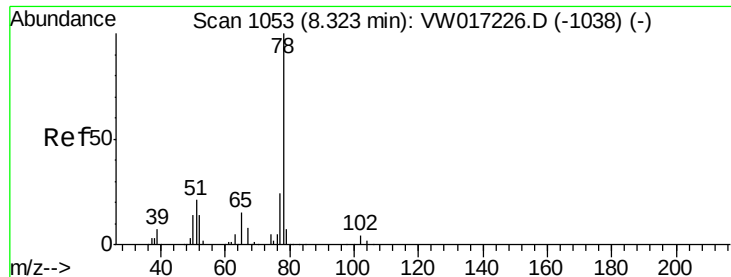
117 100

119 93.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 24.650 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

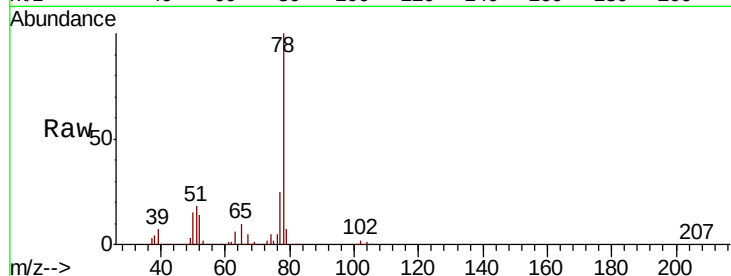
Instrument :

MSVOA_W

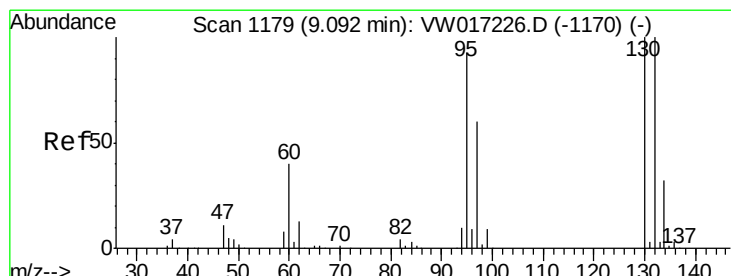
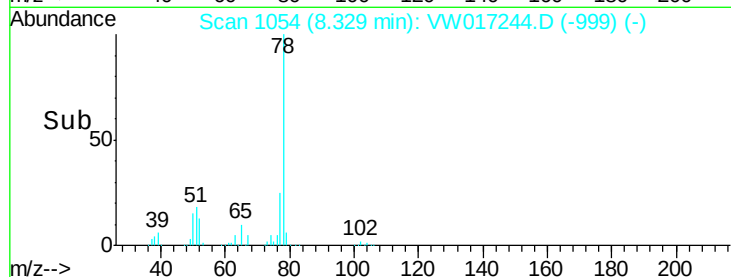
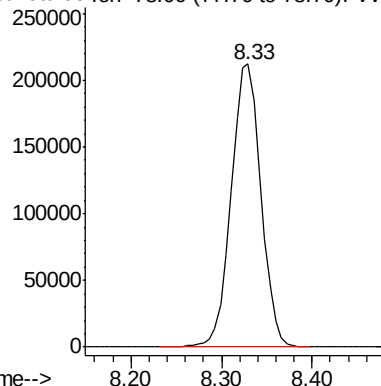
ClientSampleId :

VSTD02529

Tgt Ion: 78 Resp: 480636



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.913 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Tgt Ion: 95 Resp: 136077

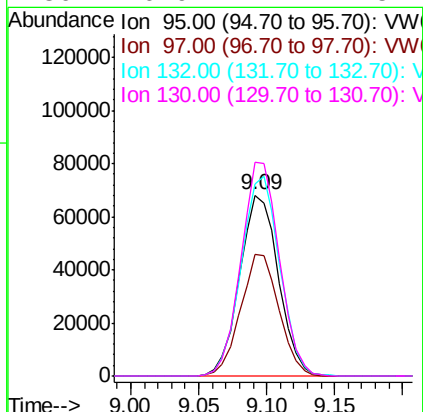
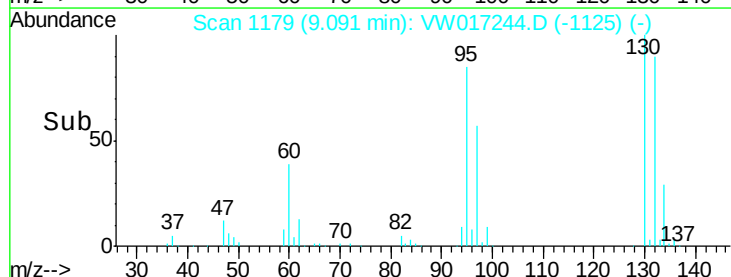
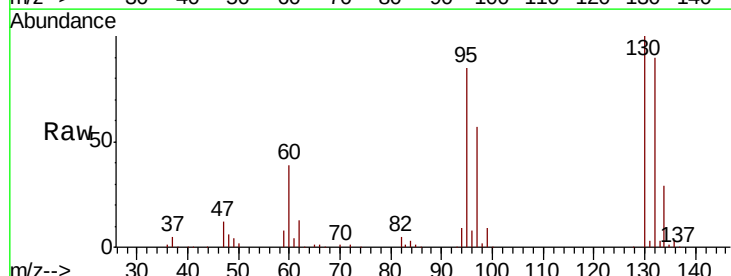
Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.0	83.6
132	110.2	73.7	136.9
130	116.9	77.1	143.1

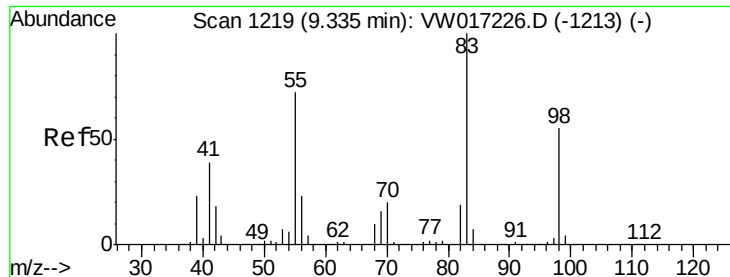
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

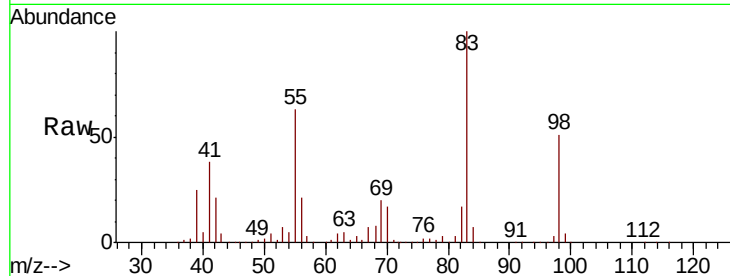




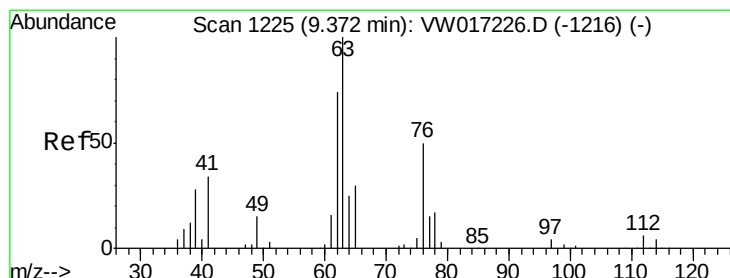
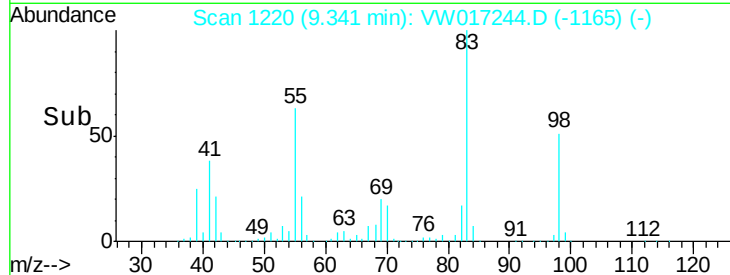
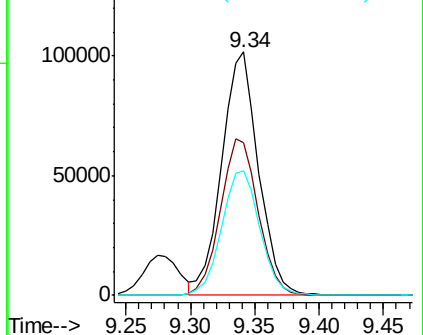
#36
Methylcyclohexane
Concen: 23.126 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Tot Ion: 83 Resp: 203252
Ion Ratio Lower Upper
83 100
55 66.2 54.4 81.6
98 53.3 40.5 60.7

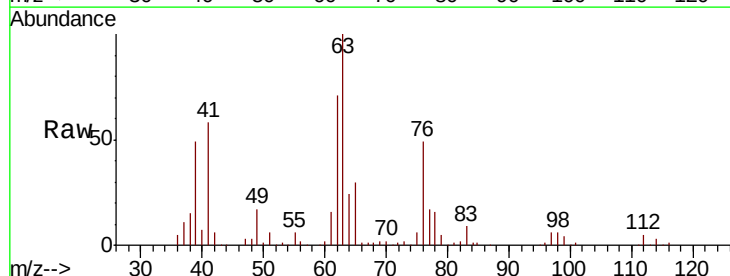


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

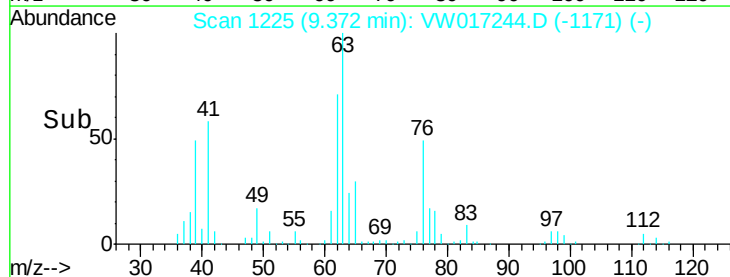
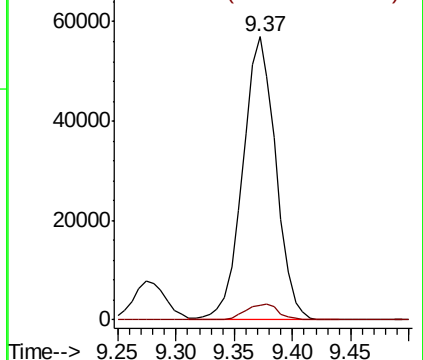


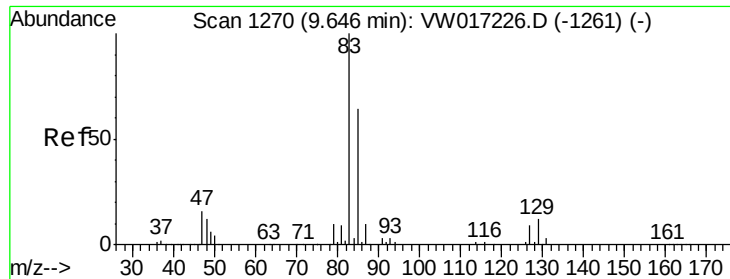
#40
1,2-Dichloropropane
Concen: 24.727 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Tgt Ion: 63 Resp: 112708
Ion Ratio Lower Upper
63 100
112 5.7 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 26.805 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

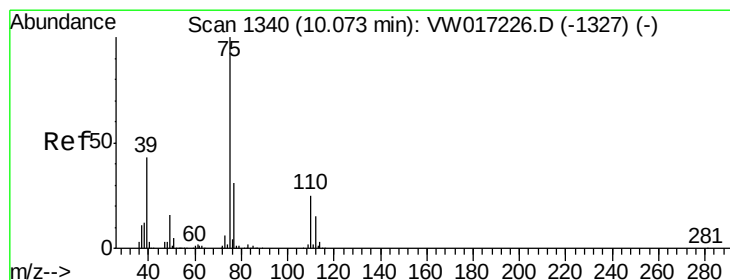
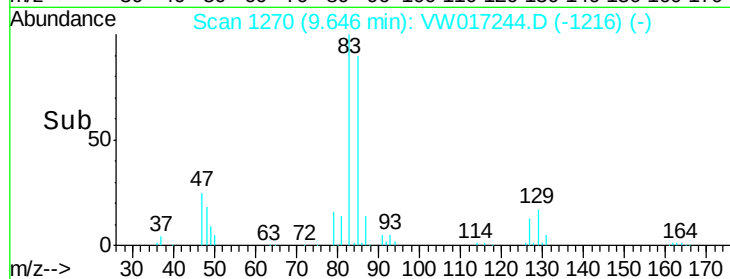
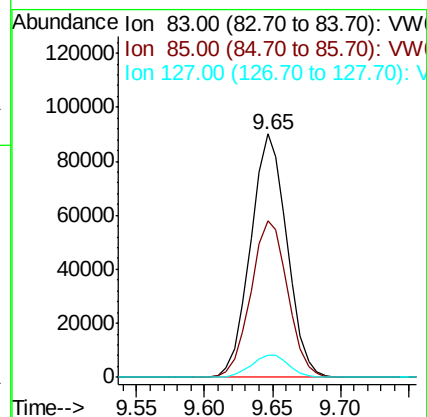
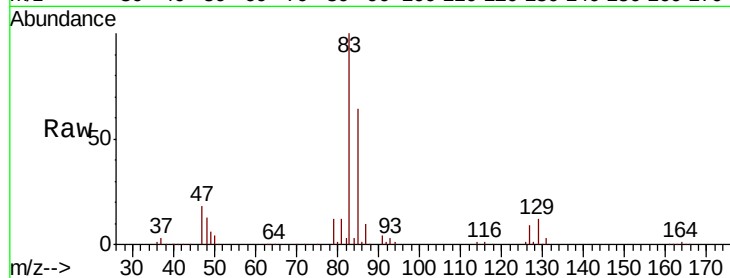
Tot Ion: 83 Resp: 168979

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

127 9.4 7.3 10.9



#42

cis-1,3-Dichloropropene

Concen: 25.895 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017244.D

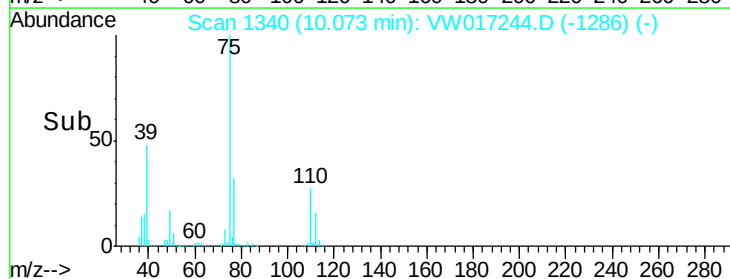
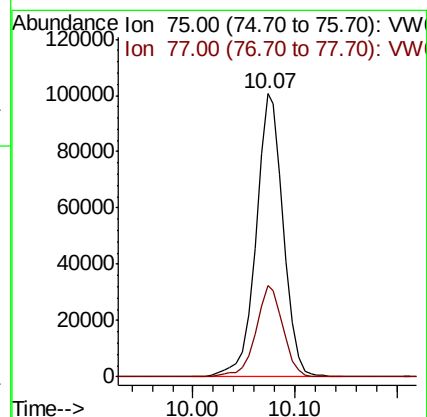
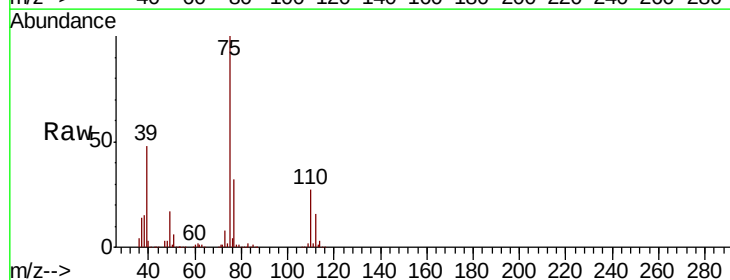
Acq: 15 Nov 2020 17:36

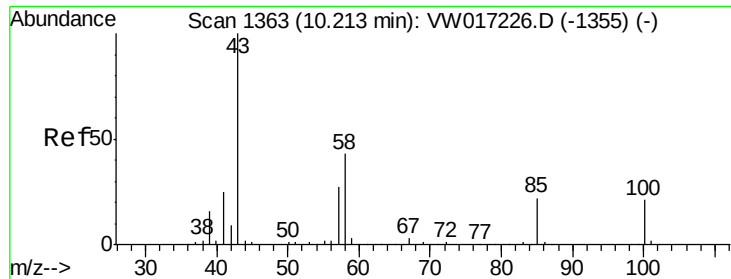
Tgt Ion: 75 Resp: 186950

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0

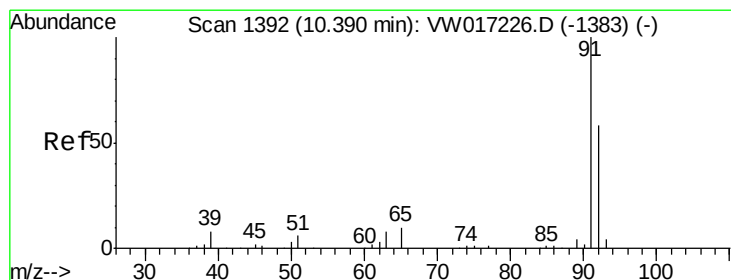
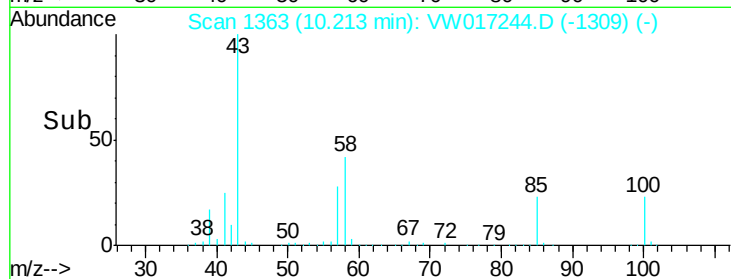
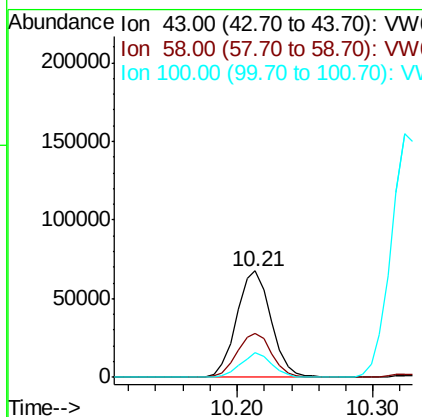
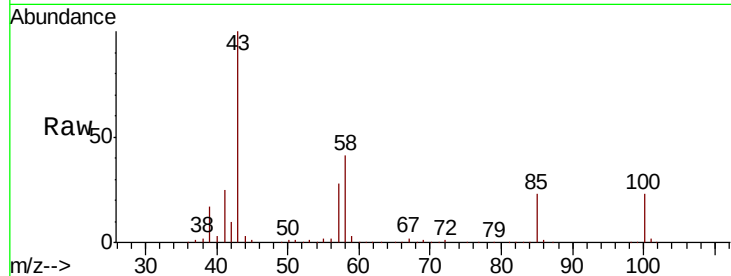




#43
4-Methyl-2-pentanone
Concen: 42.528 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

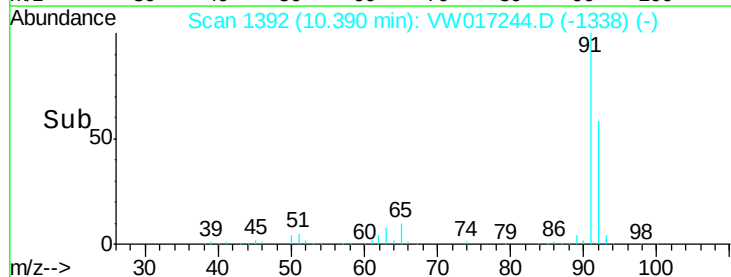
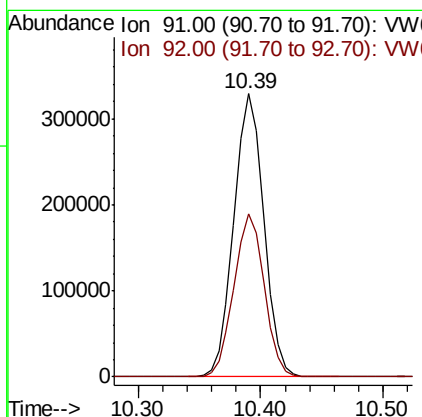
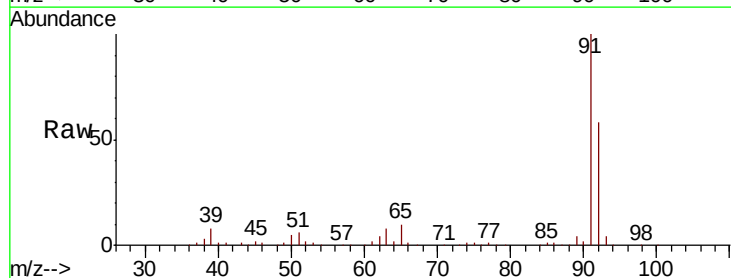
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

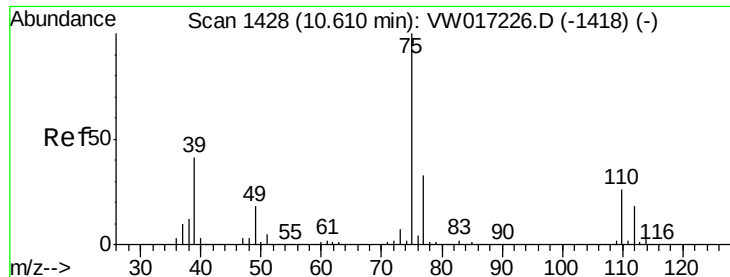
Tot Ion: 43 Resp: 119594
Ion Ratio Lower Upper
43 100
58 41.8 35.0 52.6
100 21.4 16.6 24.8



#44
Toluene
Concen: 26.024 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Tgt Ion: 91 Resp: 558533
Ion Ratio Lower Upper
91 100
92 57.6 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 26.111 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

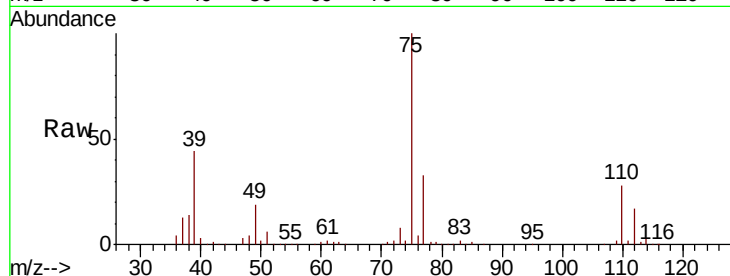
VSTD02529

Tot Ion: 75 Resp: 161889

Ion Ratio Lower Upper

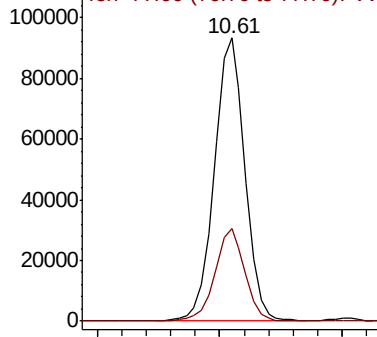
75 100

77 32.8 22.1 41.1

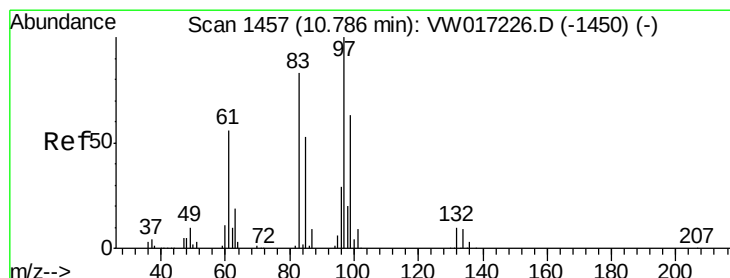
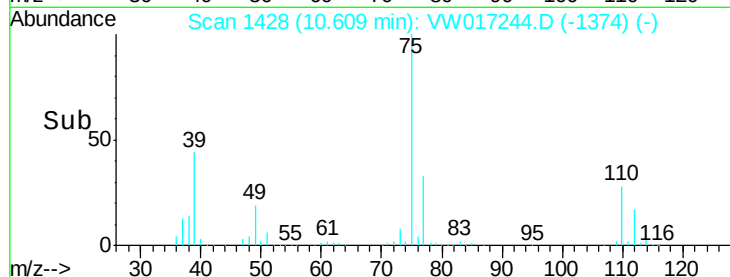


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time--> 10.50 10.60 10.70



#46

1,1,2-Trichloroethane

Concen: 24.520 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Tgt Ion: 97 Resp: 96360

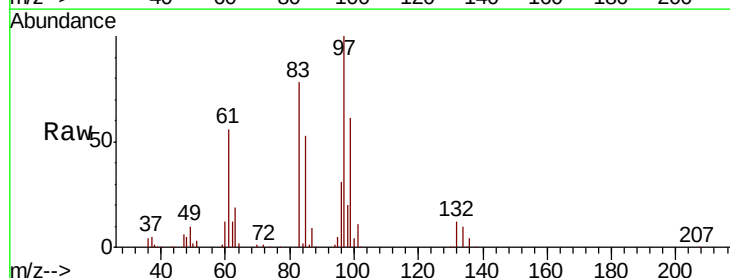
Ion Ratio Lower Upper

97 100

83 78.1 57.3 106.5

85 53.2 37.2 69.0

99 61.5 45.7 84.9

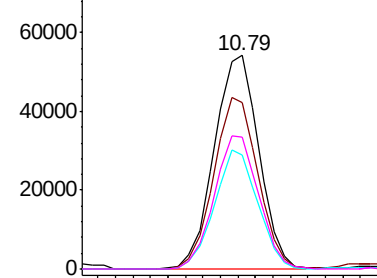


Abundance Ion 97.00 (96.70 to 97.70): VW

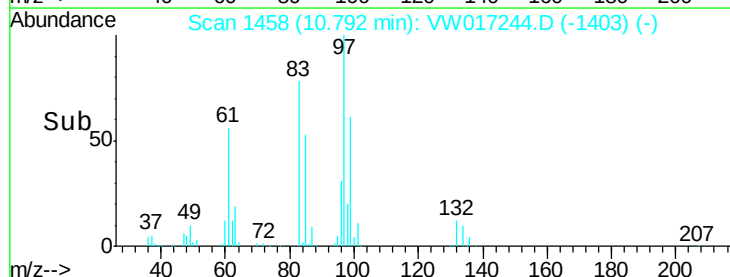
Ion 83.00 (82.70 to 83.70): VW

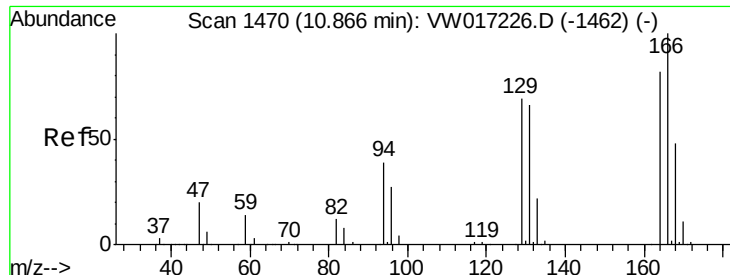
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time--> 10.75 10.80 10.85





#47

Tetrachloroethene

Concen: 24.526 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02529

Tot Ion:164 Resp: 120862

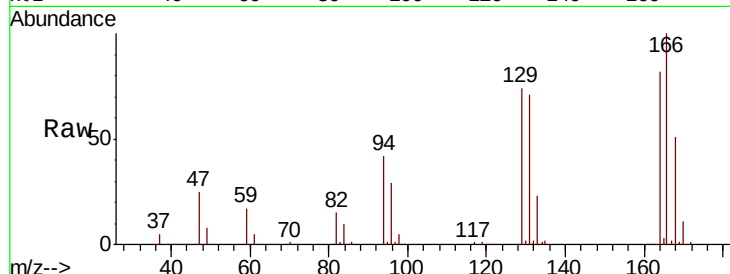
Ion Ratio Lower Upper

164 100

129 89.8 62.9 116.7

131 86.2 63.3 117.5

166 121.2 92.0 170.8

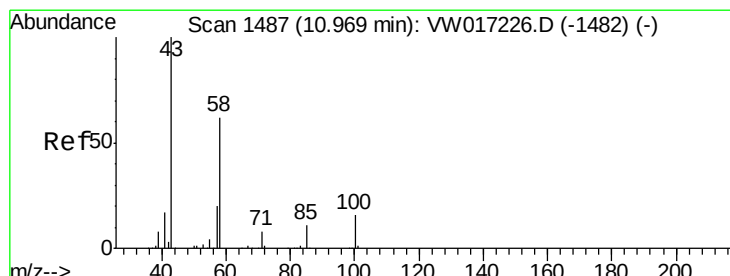
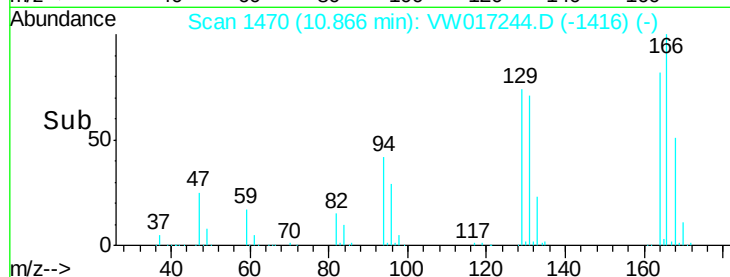
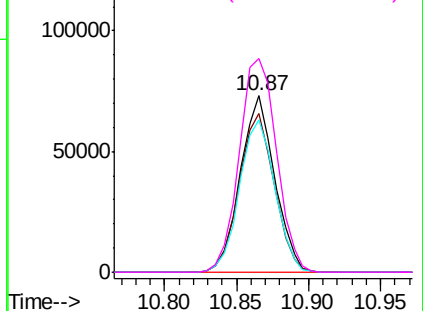


Abundance Ion 164.00 (163.70 to 164.70): V

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: 47.591 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Tgt Ion: 43 Resp: 80683

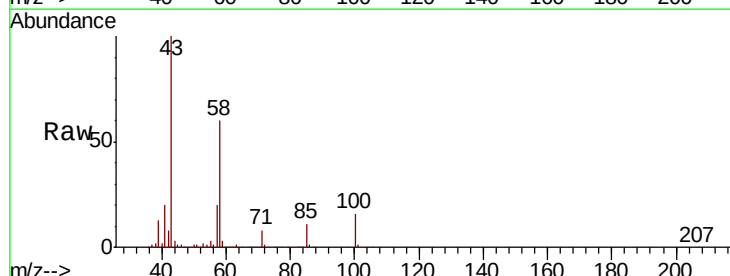
Ion Ratio Lower Upper

43 100

58 58.2 50.6 75.8

57 20.6 17.8 26.6

100 16.5 13.9 20.9

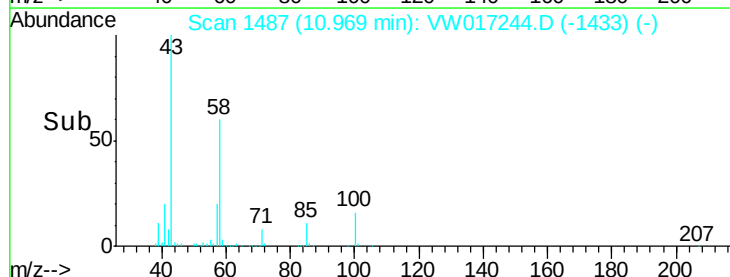
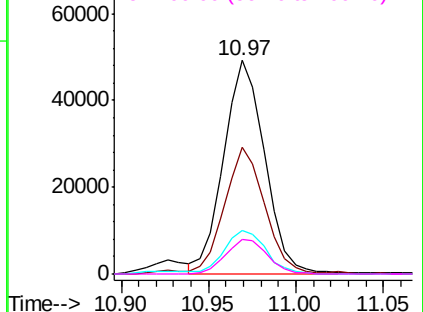


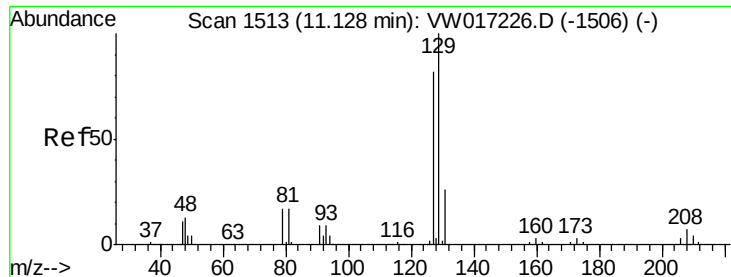
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 26.934 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

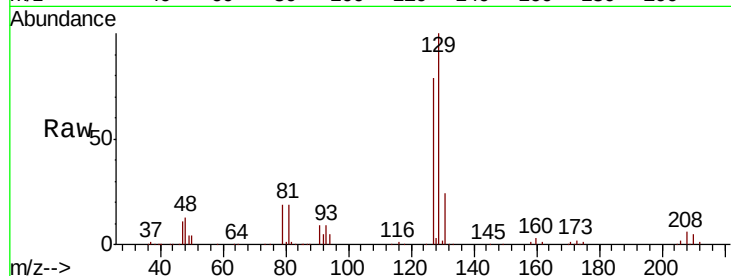
VSTD02529

Tot Ion:129 Resp: 128954

Ion Ratio Lower Upper

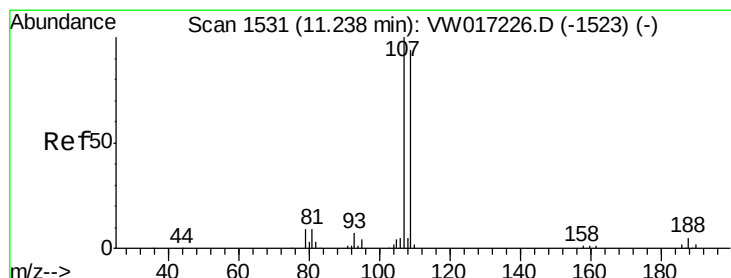
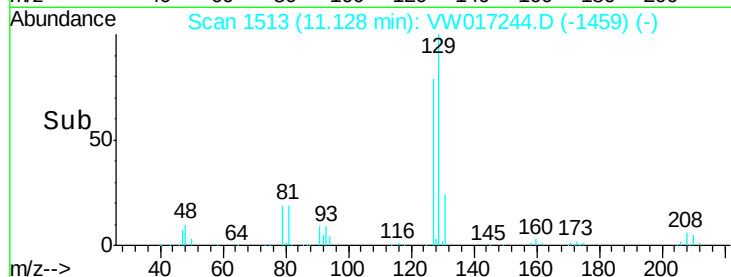
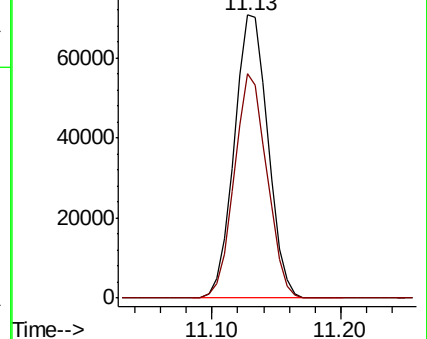
129 100

127 79.3 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 24.558 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

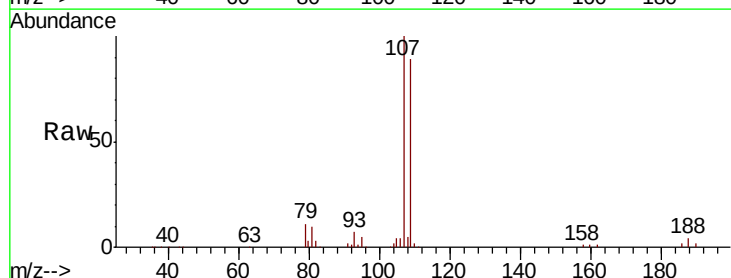
Tgt Ion:107 Resp: 93757

Ion Ratio Lower Upper

107 100

109 88.9 64.3 119.5

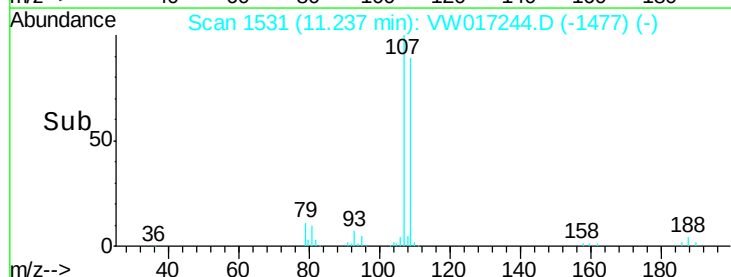
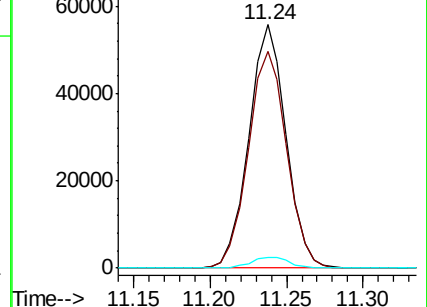
188 4.3 3.3 4.9

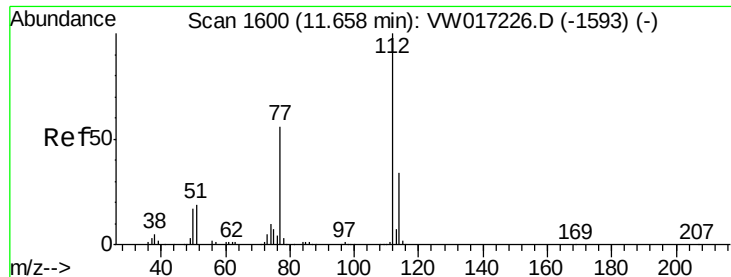


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

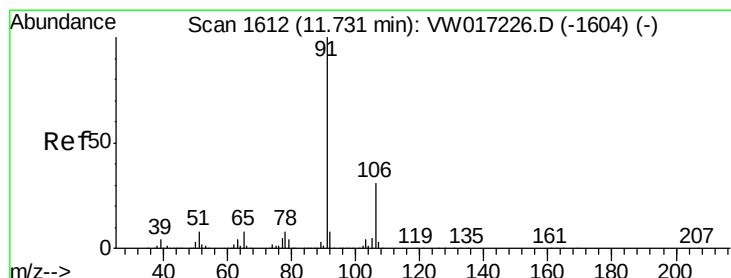
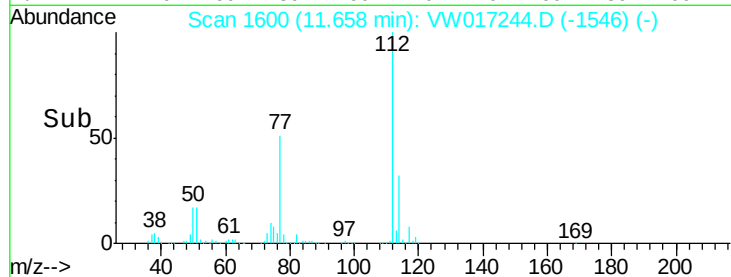
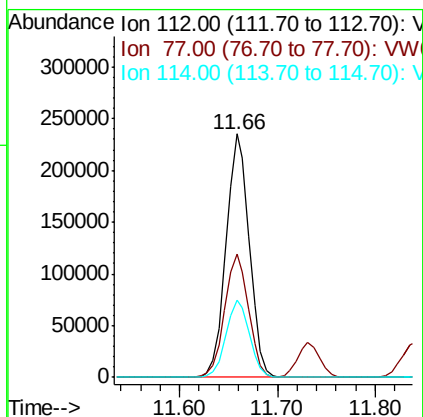
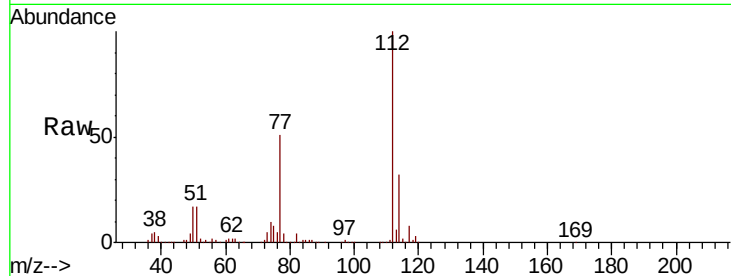




#52
Chlorobenzene
Concen: 26.544 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

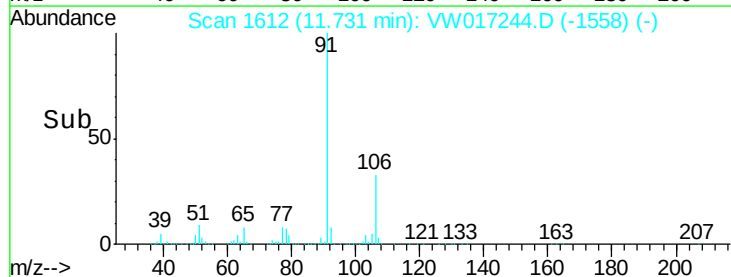
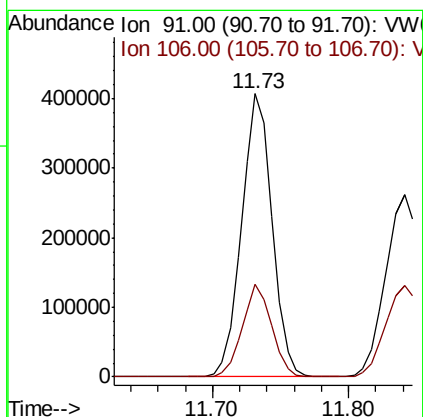
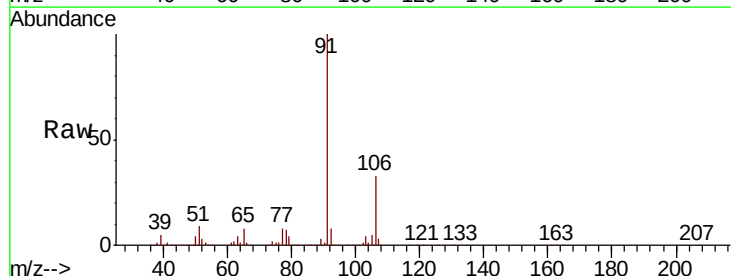
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

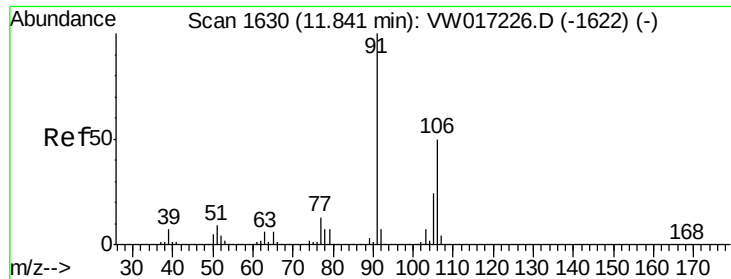
Tot Ion: 112 Resp: 385316
Ion Ratio Lower Upper
112 100
77 50.5 41.7 62.5
114 31.9 22.3 41.3



#53
Ethylbenzene
Concen: 26.499 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Tgt Ion: 91 Resp: 635265
Ion Ratio Lower Upper
91 100
106 32.7 22.9 42.5





#54

m,p-Xylene

Concen: 26.347 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

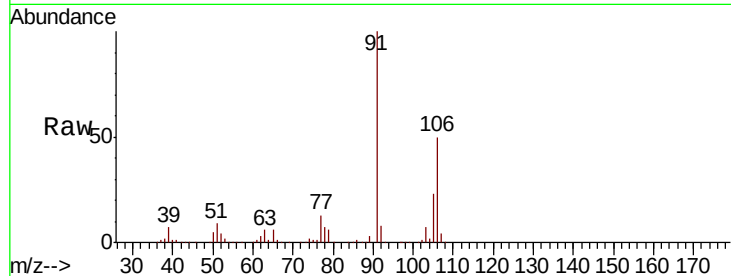
VSTD02529

Tot Ion:106 Resp: 247068

Ion Ratio Lower Upper

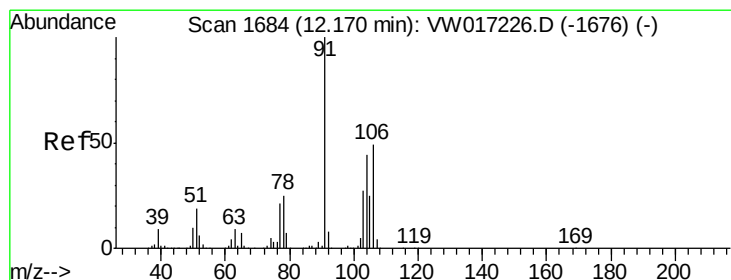
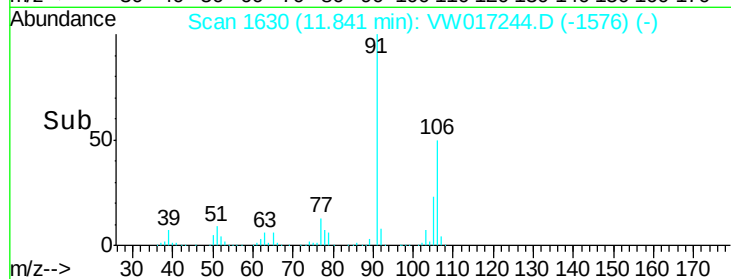
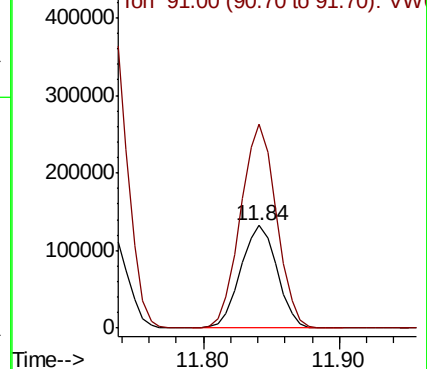
106 100

91 198.7 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 27.326 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017244.D

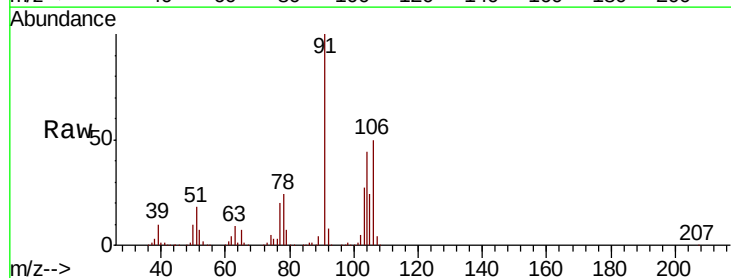
Acq: 15 Nov 2020 17:36

Tgt Ion:106 Resp: 243223

Ion Ratio Lower Upper

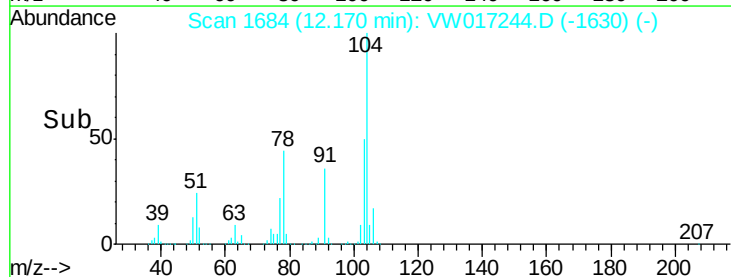
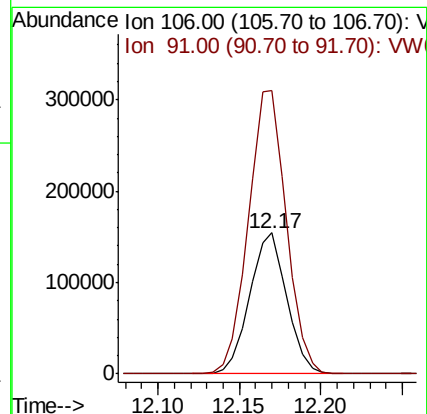
106 100

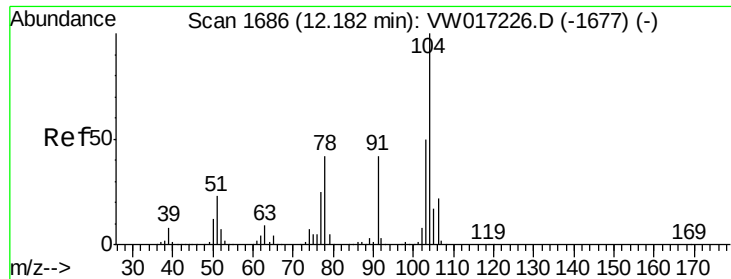
91 201.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 27.457 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

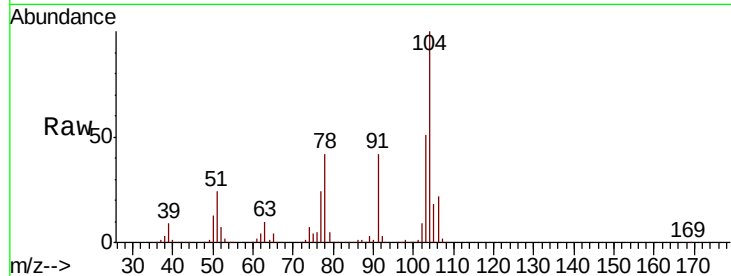
VSTD02529

Tot Ion:104 Resp: 410329

Ion Ratio Lower Upper

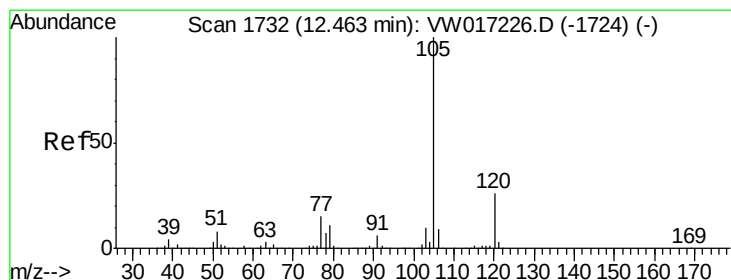
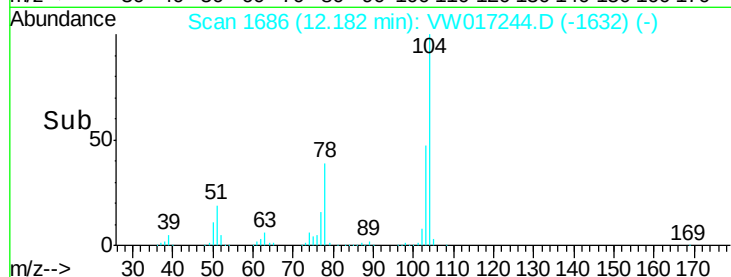
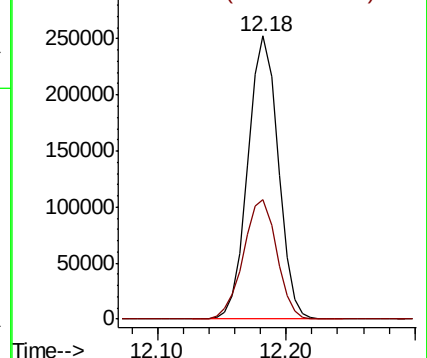
104 100

78 42.1 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV



#57

Isopropylbenzene

Concen: 27.723 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

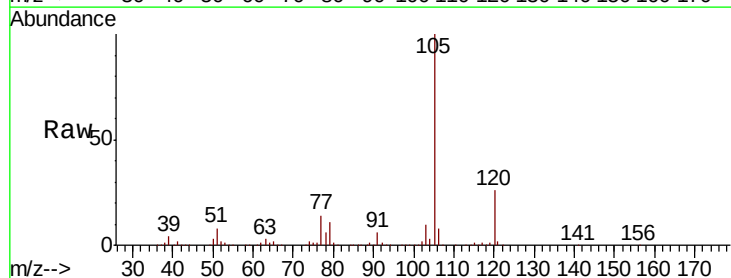
Tgt Ion:105 Resp: 669684

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

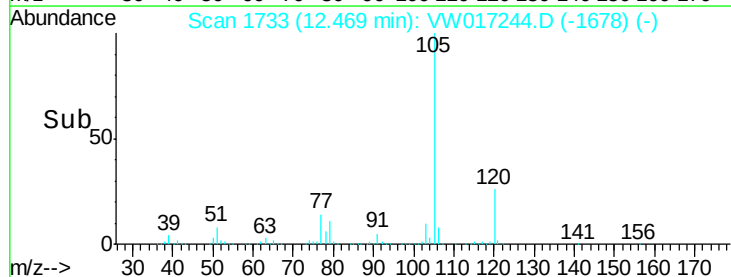
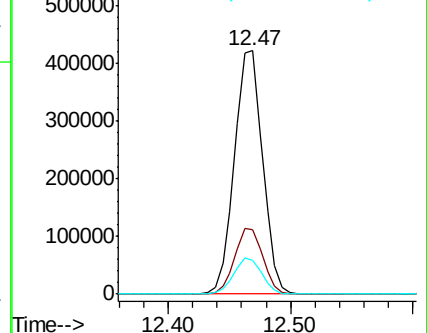
77 14.7 11.4 17.0

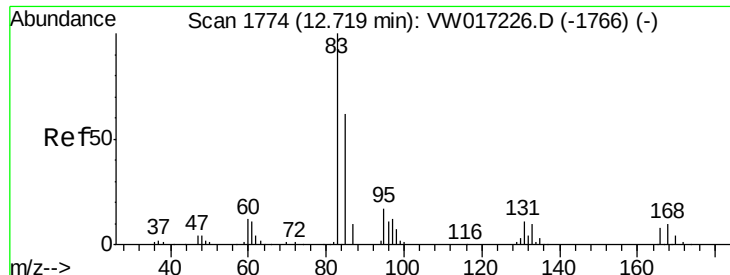


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV





#58

1,1,2,2-Tetrachloroethane

Concen: 23.377 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

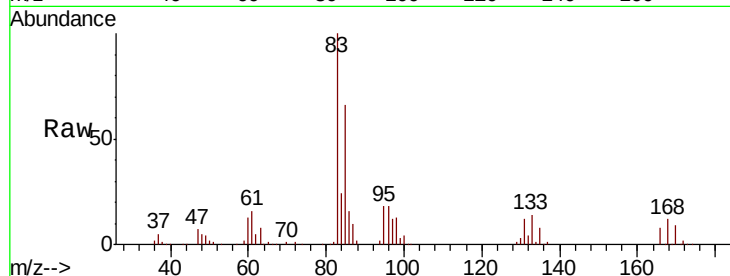
Tot Ion: 83 Resp: 106128

Ion Ratio Lower Upper

83 100

85 66.2 44.9 83.5

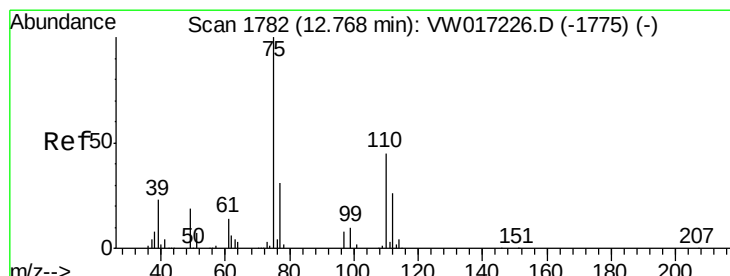
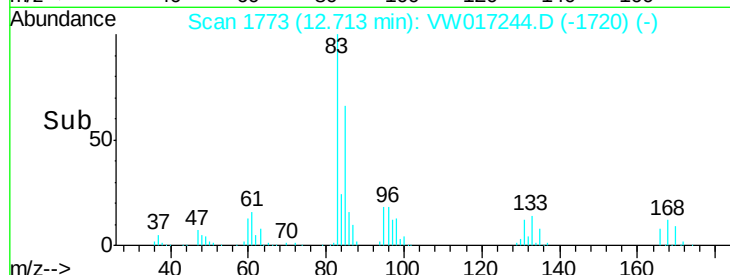
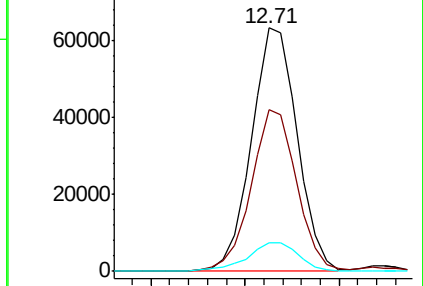
131 11.6 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 22.739 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017244.D

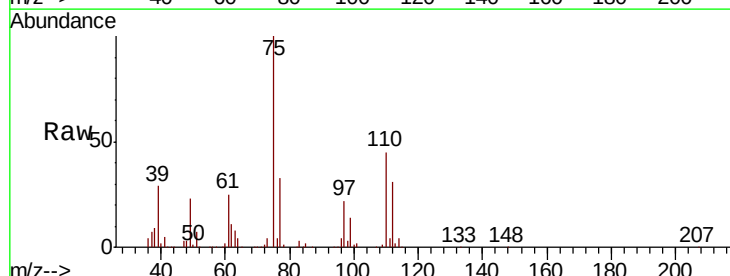
Acq: 15 Nov 2020 17:36

Tgt Ion: 75 Resp: 74202

Ion Ratio Lower Upper

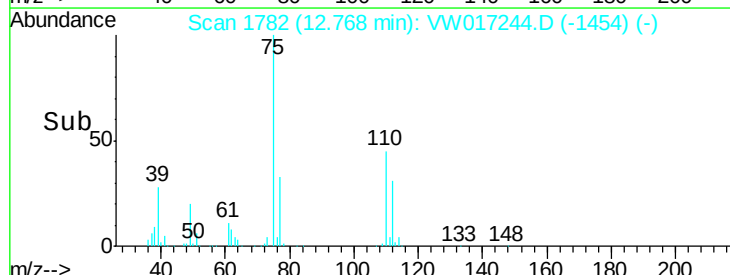
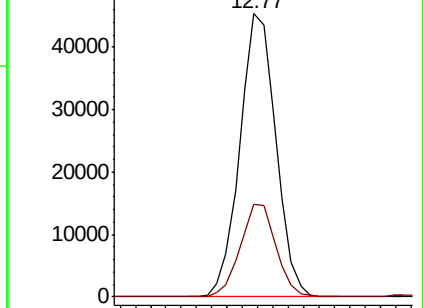
75 100

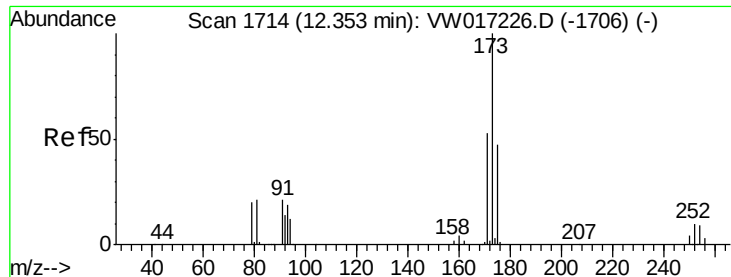
77 32.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 25.114 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

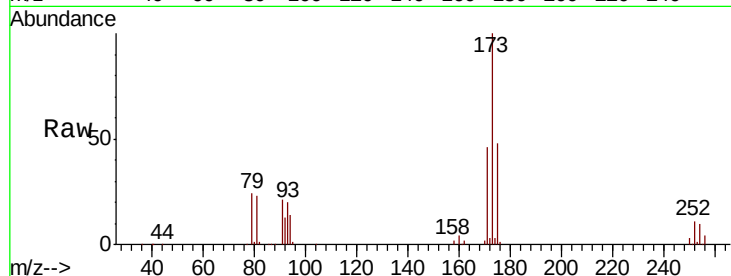
Tot Ion:173 Resp: 74916

Ion Ratio Lower Upper

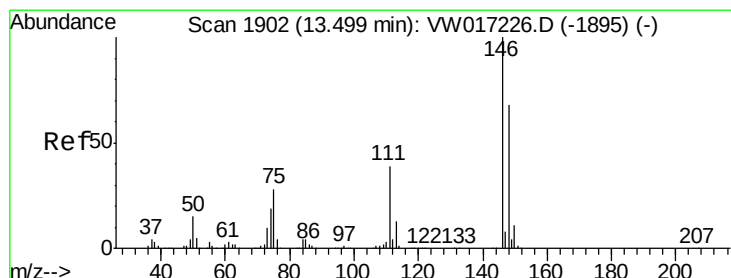
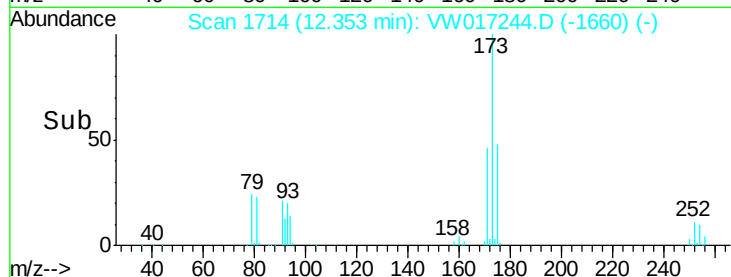
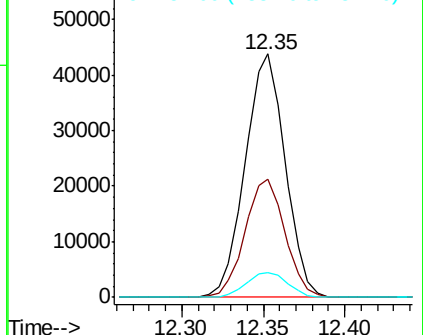
173 100

175 48.4 38.3 57.5

254 10.5 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 26.907 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017244.D

Acq: 15 Nov 2020 17:36

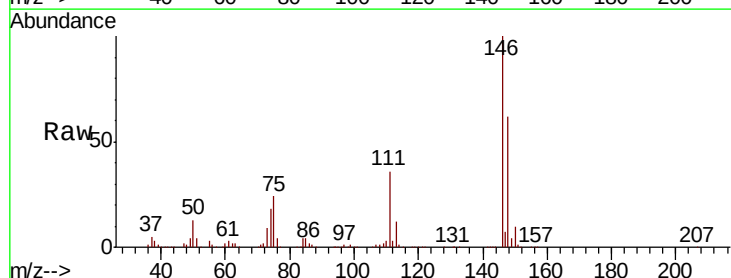
Tgt Ion:146 Resp: 325274

Ion Ratio Lower Upper

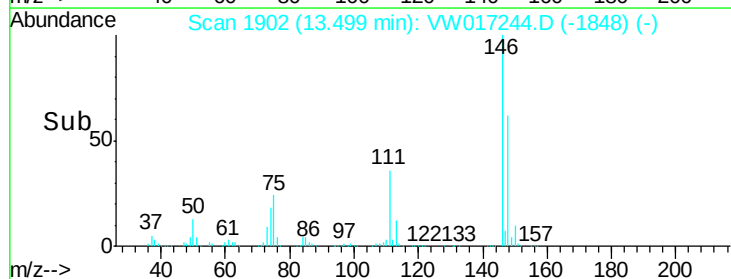
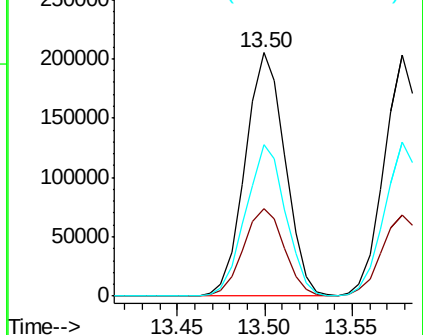
146 100

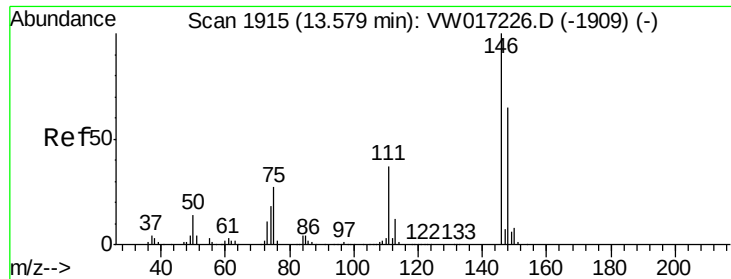
111 35.9 26.4 49.0

148 62.3 42.1 78.1



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

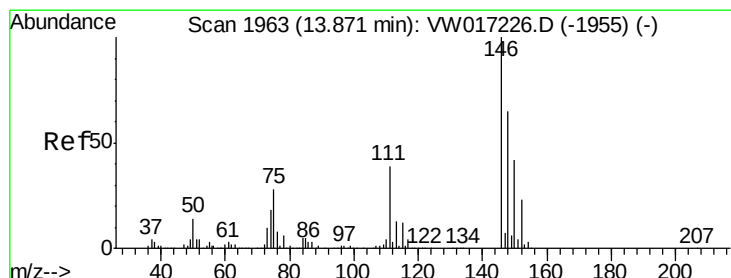
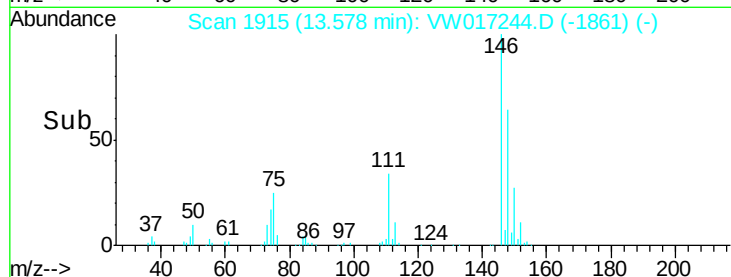
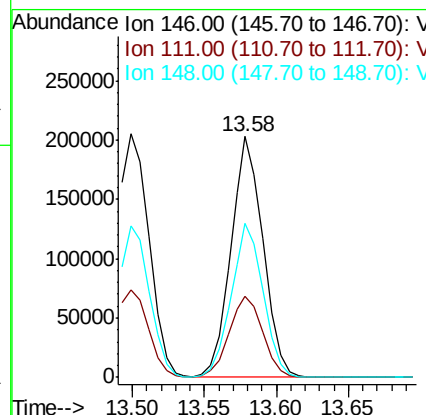
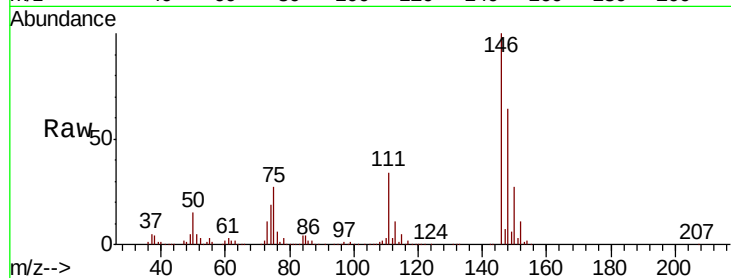




#64
1,4-Dichlorobenzene
Concen: 26.010 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

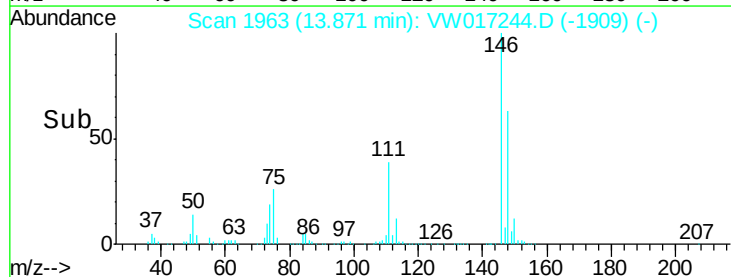
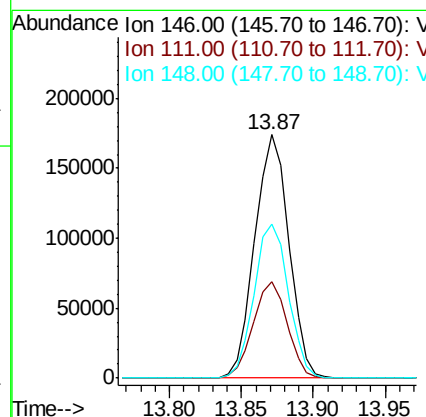
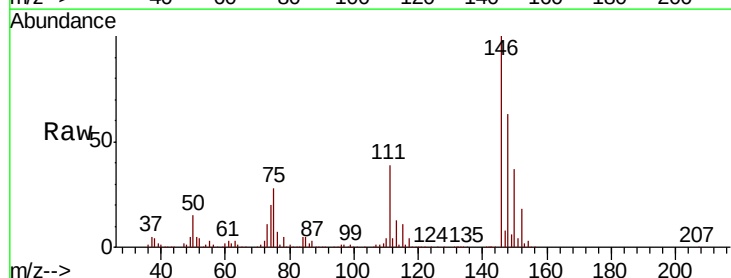
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

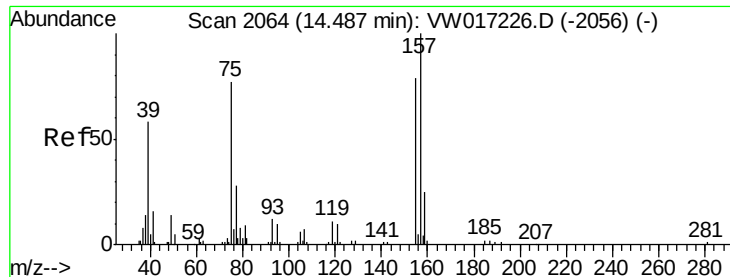
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	24.5	45.5
148	64.2	45.5	84.5



#65
1,2-Dichlorobenzene
Concen: 26.113 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017244.D
Acq: 15 Nov 2020 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	30.5	45.7
148	63.4	50.3	75.5

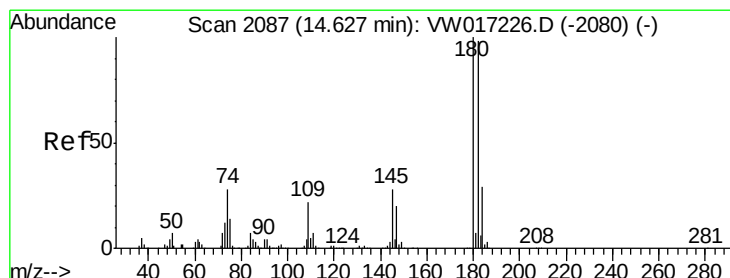
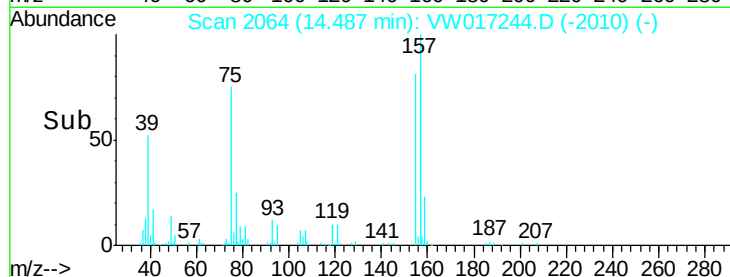
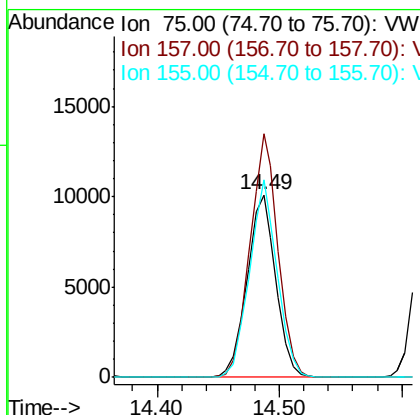
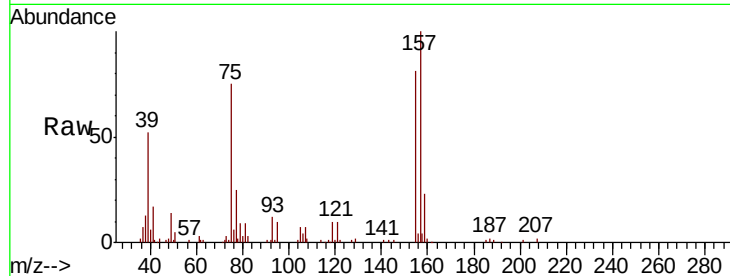




#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.867 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017244.D
 Acq: 15 Nov 2020 17:36

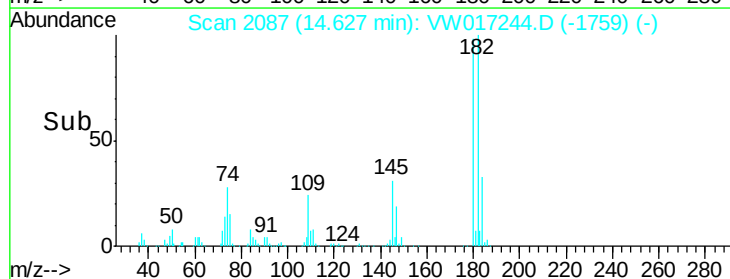
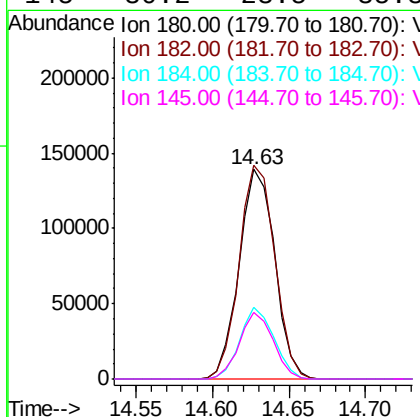
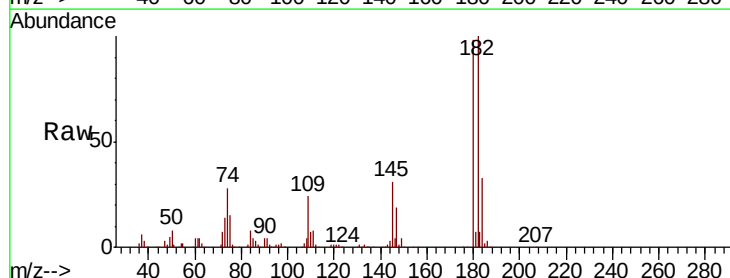
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

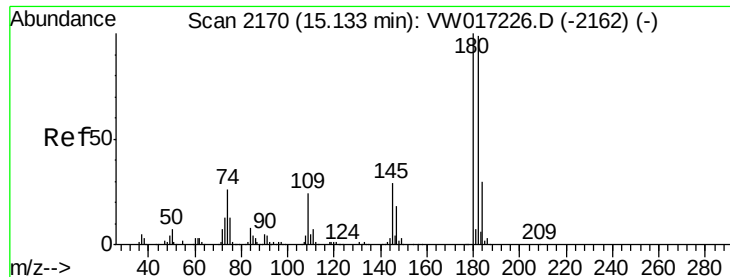
Tot Ion: 75 Resp: 16482
 Ion Ratio Lower Upper
 75 100
 157 133.6 108.2 162.4
 155 108.4 79.1 118.7



#67
 1,3,5-Trichlorobenzene
 Concen: 25.318 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017244.D
 Acq: 15 Nov 2020 17:36

Tgt Ion:180 Resp: 225540
 Ion Ratio Lower Upper
 180 100
 182 102.0 77.2 115.8
 184 32.5 24.2 36.4
 145 30.2 23.5 35.3

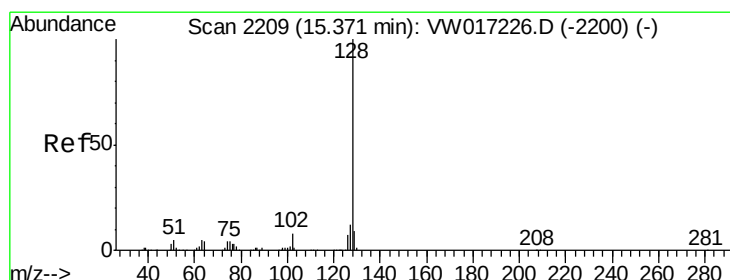
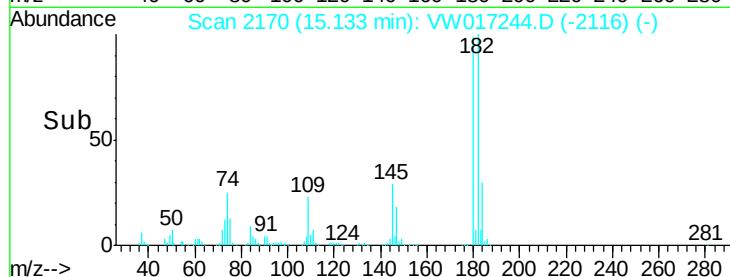
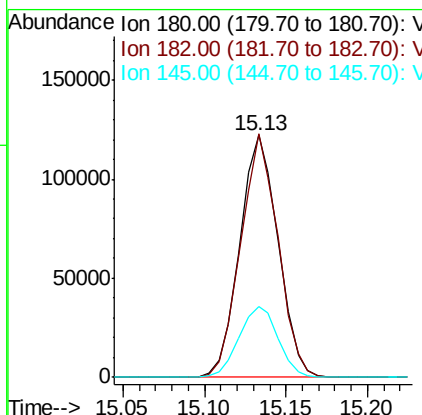
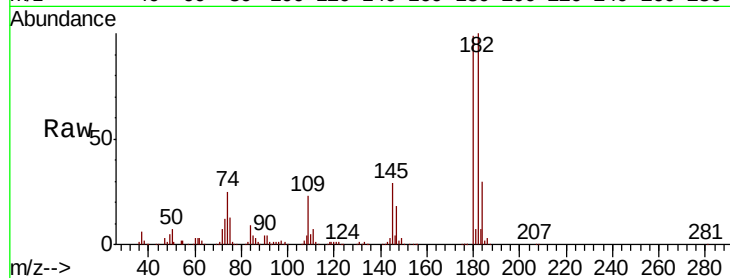




#68
 1,2,4-trichlorobenzene
 Concen: 28.159 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017244.D
 Acq: 15 Nov 2020 17:36

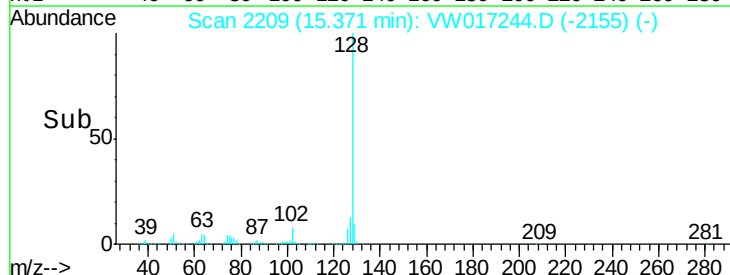
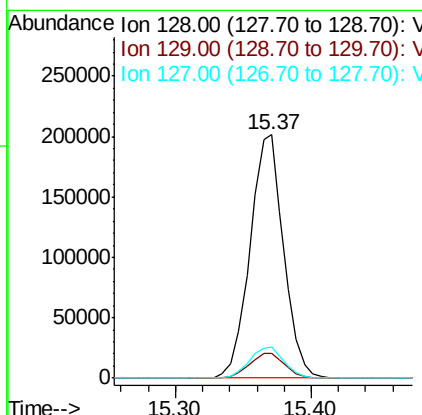
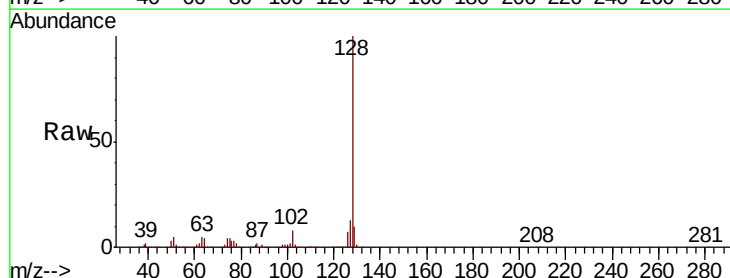
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

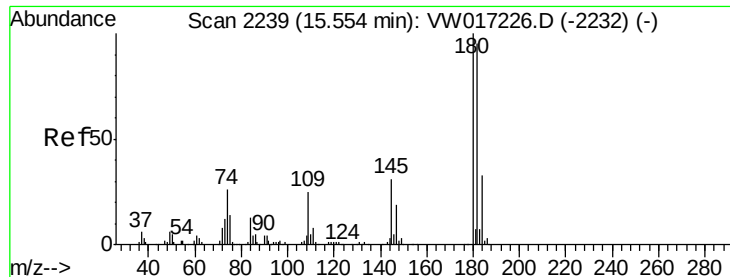
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.7	115.1
145	29.8	23.6	35.4



#69
 Naphthalene
 Concen: 26.572 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW017244.D
 Acq: 15 Nov 2020 17:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.3	10.2	15.2

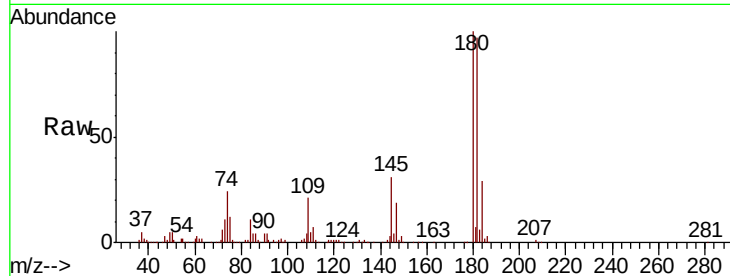




#70
 1,2,3-Trichlorobenzene
 Concen: 27.497 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW017244.D
 Acq: 15 Nov 2020 17:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
145	31.1	24.5	36.7



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

