

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120820\
 Data File : VW017591.D
 Acq On : 08 Dec 2020 17:01
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Dec 09 01:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:15:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	391708	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	351896	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184983	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	116383	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.00%
7) Chloroethane-d5	2.90	69	99382	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.00%
10) 1,1-Dichloroethene-d2	4.03	63	270111	23.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.80%
20) 2-Butanone-d5	7.09	46	61845	54.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.46%
24) Chloroform-d	7.65	84	283000	24.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	8.31	65	143082	25.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.32%
29) Benzene-d6	8.28	84	525354	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.28	67	150038	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.33	98	487076	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	67722	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.08%
39) 2-Hexanone-d5	10.93	63	41815	54.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120608	26.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	170997	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	74907	20.367	ug/L 94
3) Chloromethane	2.22	50	88260	23.305	ug/L 99
5) Vinyl chloride	2.37	62	131630	27.347	ug/L 95
6) Bromomethane	2.79	94	88669	25.862	ug/L 100
8) Chloroethane	2.93	64	82730	25.746	ug/L 99
9) Trichlorofluoromethane	3.27	101	132232	24.514	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	145165	25.877	ug/L # 70
12) 1,1-Dichloroethene	4.05	96	136487	24.998	ug/L 93
13) Acetone	4.14	43	56736	51.577	ug/L 93
14) Carbon disulfide	4.40	76	378697	24.409	ug/L 99
15) Methyl Acetate	4.68	43	50772	27.053	ug/L 95
16) Methylene chloride	4.92	84	69633	11.789	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	156510	26.214	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	138587	24.766	ug/L 99
19) 1,1-Dichloroethane	6.23	63	246298	25.924	ug/L 98
21) 2-Butanone	7.18	43	71124	54.539	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	147886	25.232	ug/L 97

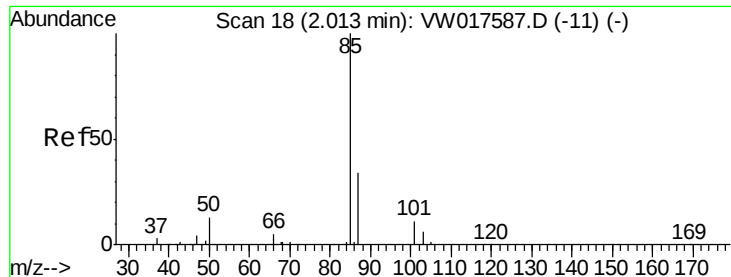
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120820\
 Data File : VW017591.D
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 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:15:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	67056	25.195	uq/L	95
25) Chloroform	7.68	83	262273	26.149	uq/L	100
27) 1,2-Dichloroethane	8.40	62	161729	26.541	uq/L	99
30) Cyclohexane	7.96	56	216833	25.711	uq/L	99
31) 1,1,1-Trichloroethane	7.88	97	229608	27.179	uq/L	100
32) Carbon tetrachloride	8.07	117	216437	26.418	uq/L	96
34) Benzene	8.33	78	555748	26.126	uq/L	100
35) Trichloroethene	9.10	95	152367	25.752	uq/L	96
36) Methylcyclohexane	9.34	83	240227	24.701	uq/L	98
40) 1,2-Dichloropropane	9.37	63	132663	26.434	uq/L	99
41) Bromodichloromethane	9.65	83	182700	26.328	uq/L	97
42) cis-1,3-Dichloropropene	10.08	75	209571	26.851	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	135424	57.665	uq/L	97
44) Toluene	10.39	91	600874	26.206	uq/L	98
45) trans-1,3-Dichloropropene	10.61	75	183949	27.383	uq/L	100
46) 1,1,2-Trichloroethane	10.79	97	99303	26.221	uq/L	96
47) Tetrachloroethene	10.87	164	125337	25.016	uq/L	93
49) 2-Hexanone	10.97	43	102687	59.964	uq/L	88
50) Dibromochloromethane	11.13	129	122060	26.003	uq/L	98
51) 1,2-Dibromoethane	11.24	107	93059	25.702	uq/L #	93
52) Chlorobenzene	11.66	112	380104	25.377	uq/L	94
53) Ethylbenzene	11.73	91	682337	26.299	uq/L	100
54) m,p-Xylene	11.84	106	258932	26.183	uq/L	99
55) o-xylene	12.17	106	241268	26.204	uq/L	100
56) Styrene	12.18	104	418407	26.984	uq/L	99
57) Isopropylbenzene	12.46	105	678793	26.829	uq/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	113729	27.731	uq/L	100
59) 1,2,3-Trichloropropane	12.77	75	81017	26.758	uq/L	98
62) Bromoform	12.35	173	71336	26.656	uq/L	97
63) 1,3-Dichlorobenzene	13.50	146	307807	25.877	uq/L	95
64) 1,4-Dichlorobenzene	13.58	146	295779	24.870	uq/L	97
65) 1,2-Dichlorobenzene	13.87	146	272592	26.328	uq/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	17586	25.646	uq/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	208349	24.486	uq/L	98
68) 1,2,4-trichlorobenzene	15.13	180	173872	25.124	uq/L	96
69) Naphthalene	15.37	128	289147	26.642	uq/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	148903	25.704	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 20.367 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

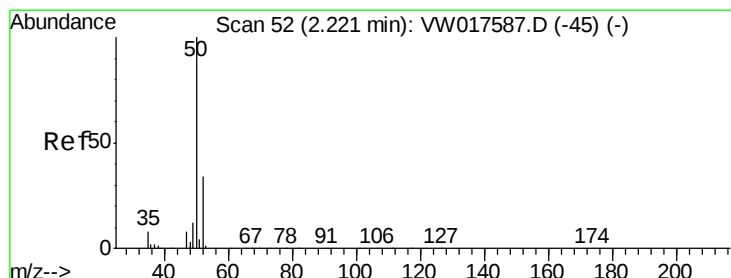
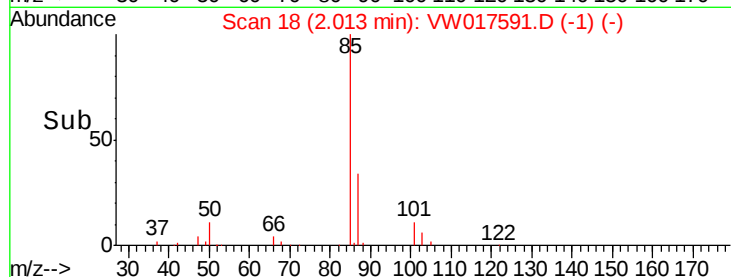
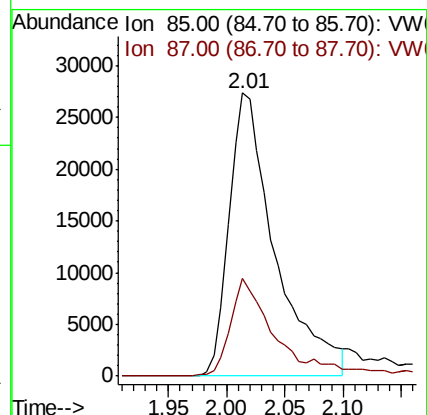
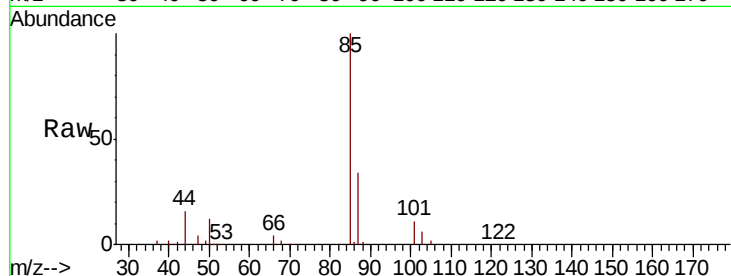
VSTD02508

Tot Ion: 85 Resp: 74907

Ion Ratio Lower Upper

85 100

87 29.7 23.2 43.0



#3

Chloromethane

Concen: 23.305 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW017591.D

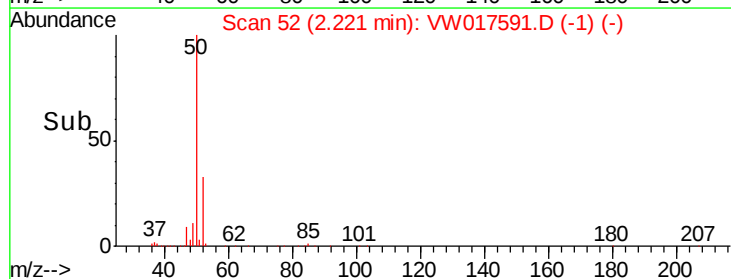
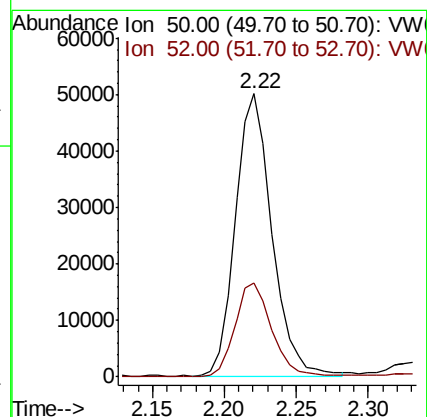
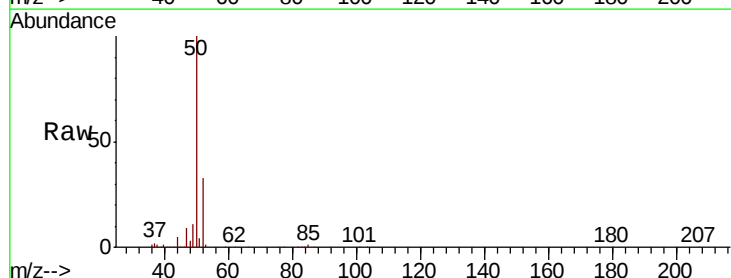
Acq: 08 Dec 2020 17:01

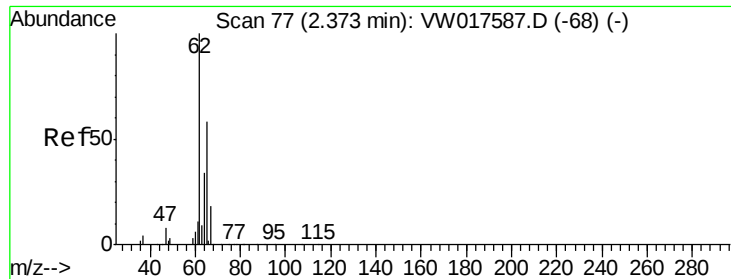
Tgt Ion: 50 Resp: 88260

Ion Ratio Lower Upper

50 100

52 33.0 23.4 43.6





#5

Vinyl chloride

Concen: 27.347 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

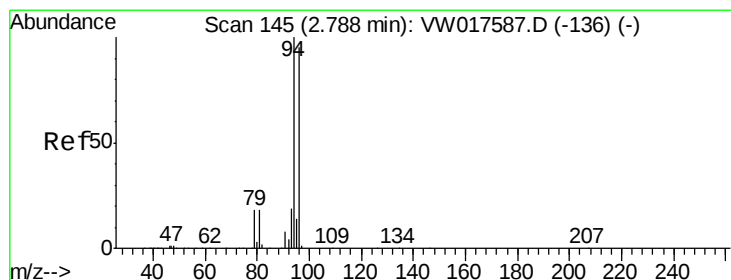
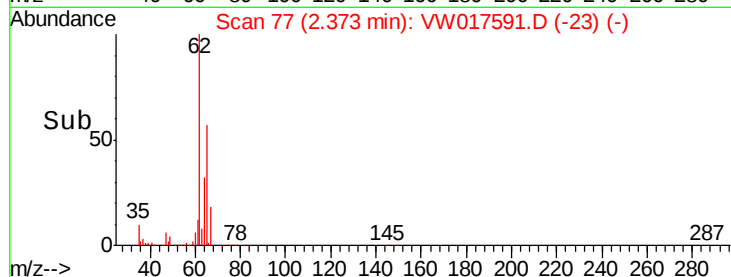
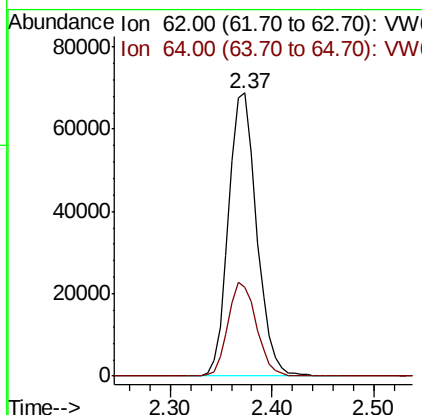
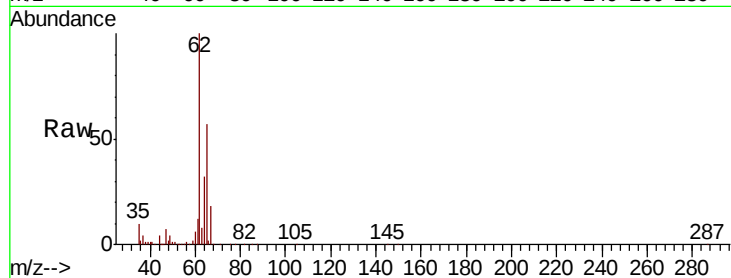
VSTD02508

Tot Ion: 62 Resp: 131630

Ion Ratio Lower Upper

62 100

64 31.6 23.9 44.5



#6

Bromomethane

Concen: 25.862 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017591.D

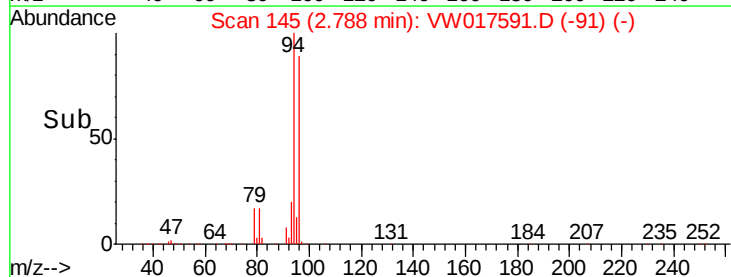
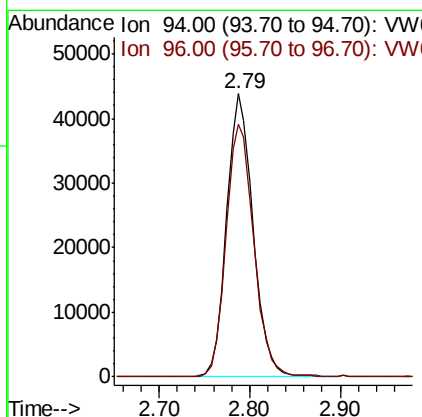
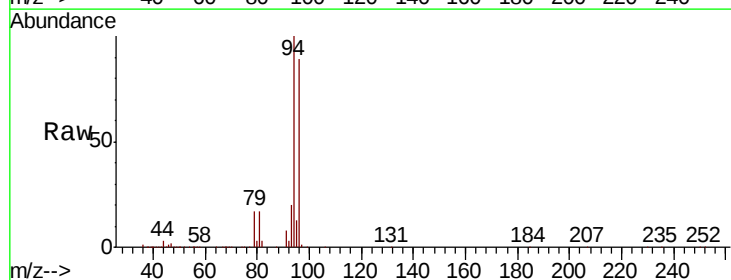
Acq: 08 Dec 2020 17:01

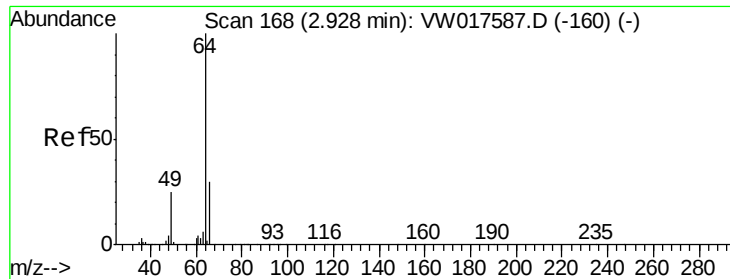
Tgt Ion: 94 Resp: 88669

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.0





#8

Chloroethane

Concen: 25.746 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

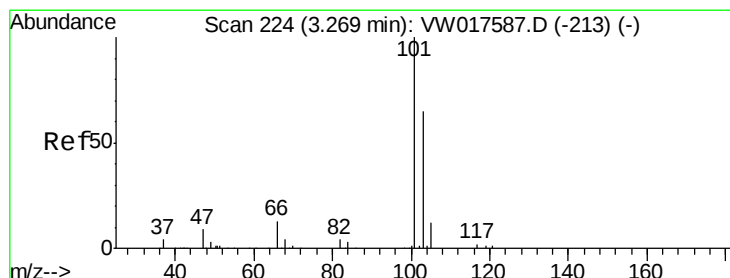
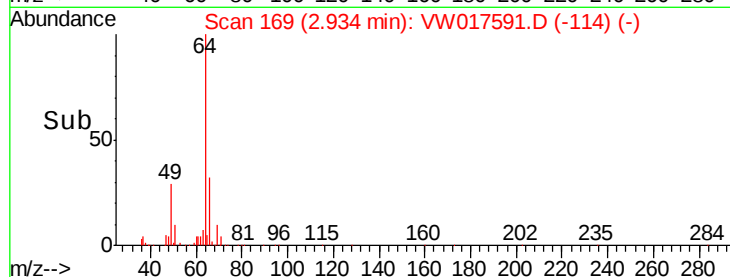
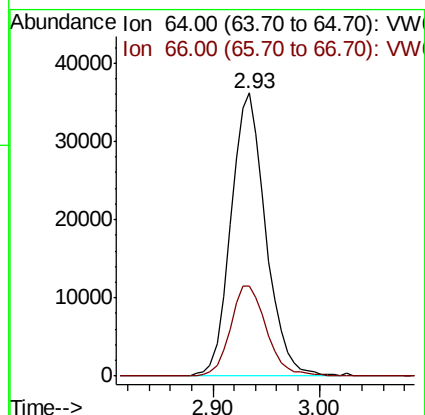
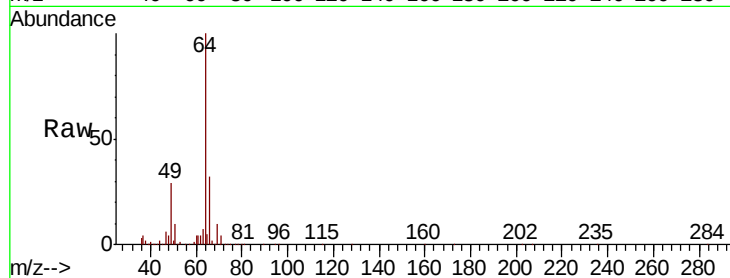
VSTD02508

Tot Ion: 64 Resp: 82730

Ion Ratio Lower Upper

64 100

66 32.0 22.0 41.0



#9

Trichlorofluoromethane

Concen: 24.514 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017591.D

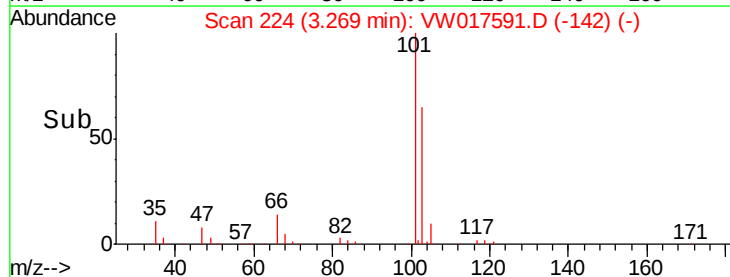
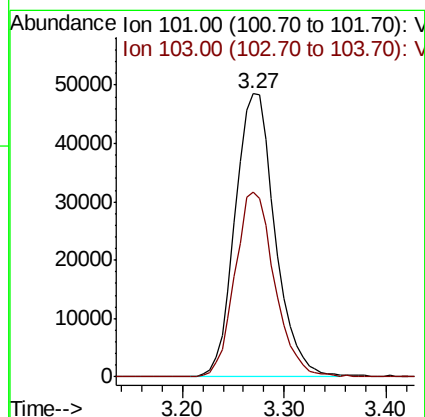
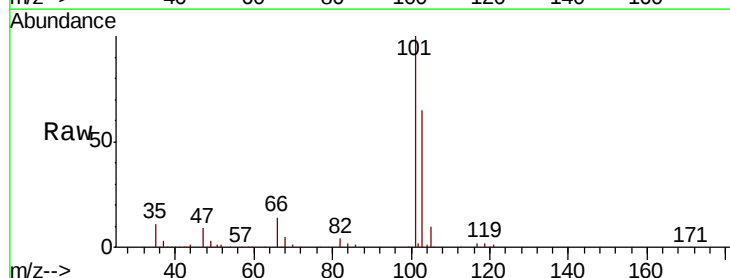
Acq: 08 Dec 2020 17:01

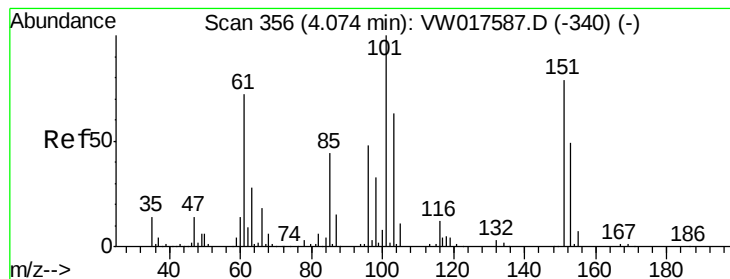
Tgt Ion: 101 Resp: 132232

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 25.877 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

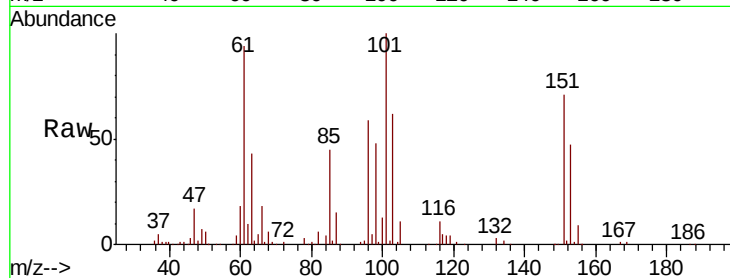
Tot Ion:101 Resp: 145165

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

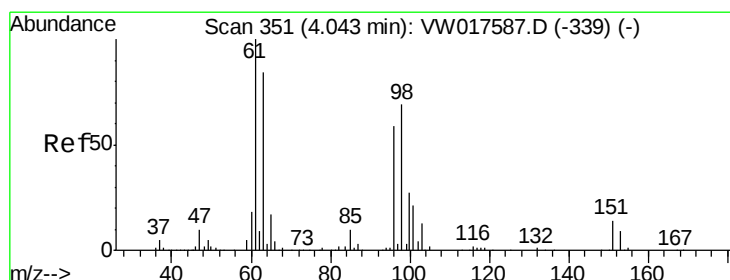
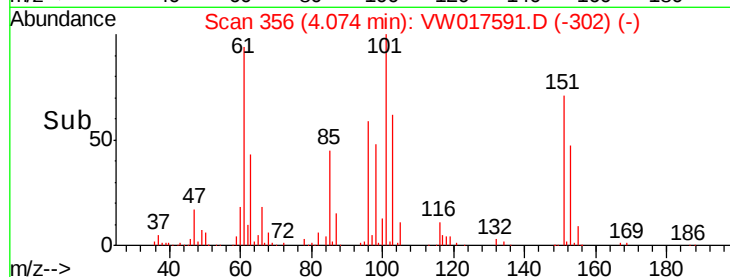
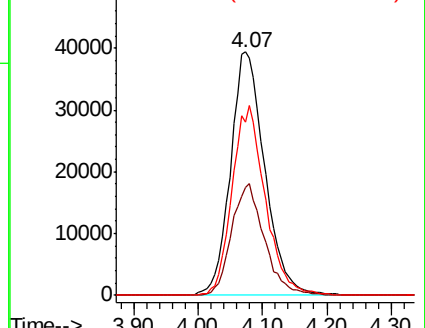
151 75.1 30.4 45.6#



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: 24.998 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

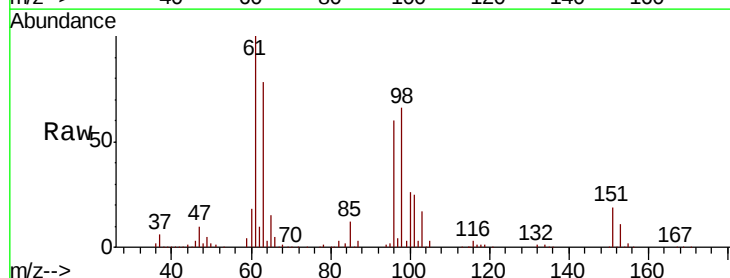
Tgt Ion: 96 Resp: 136487

Ion Ratio Lower Upper

96 100

61 167.6 112.5 208.9

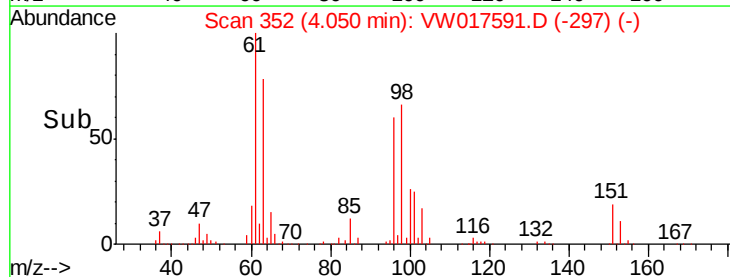
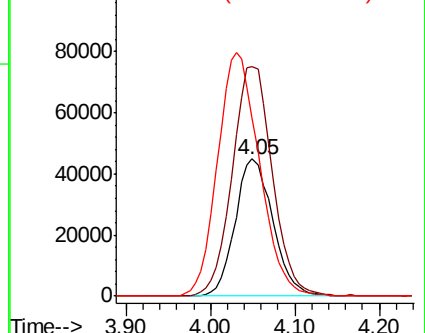
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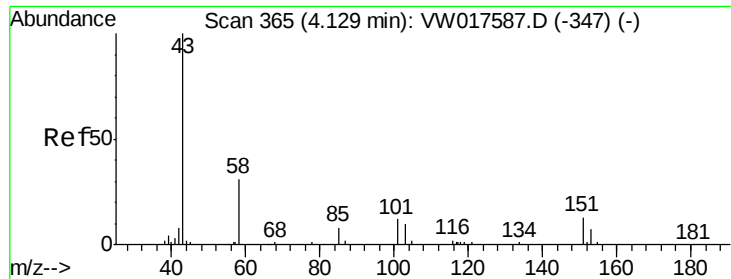


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.577 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

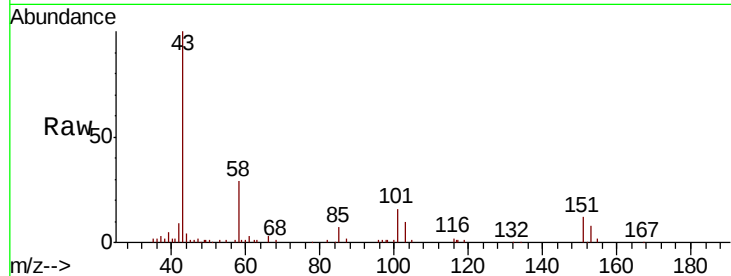
VSTD02508

Tot Ion: 43 Resp: 56736

Ion Ratio Lower Upper

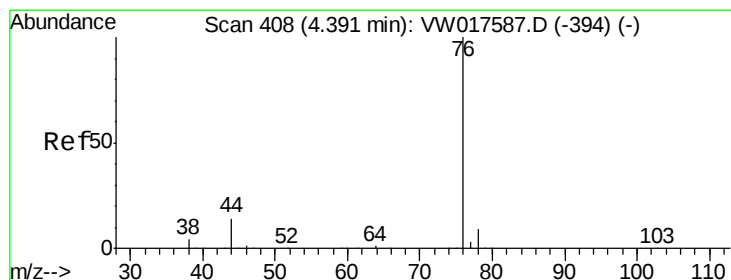
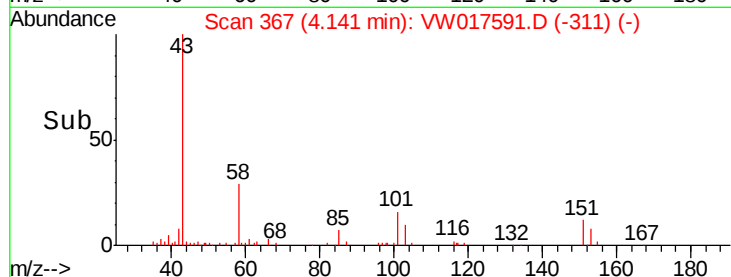
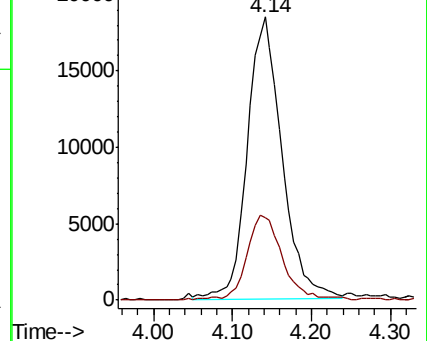
43 100

58 30.1 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: 24.409 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017591.D

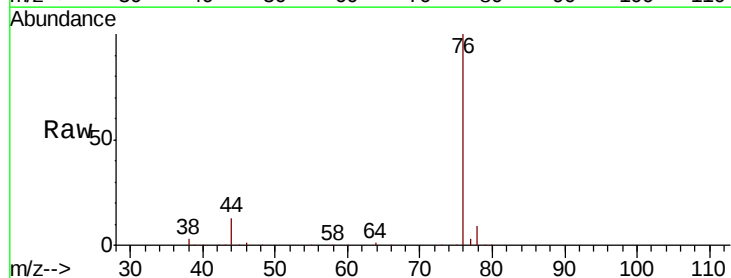
Acq: 08 Dec 2020 17:01

Tgt Ion: 76 Resp: 378697

Ion Ratio Lower Upper

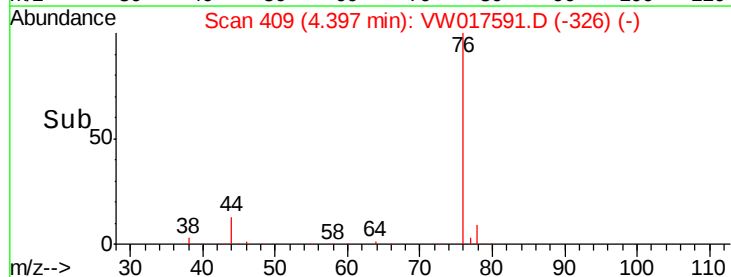
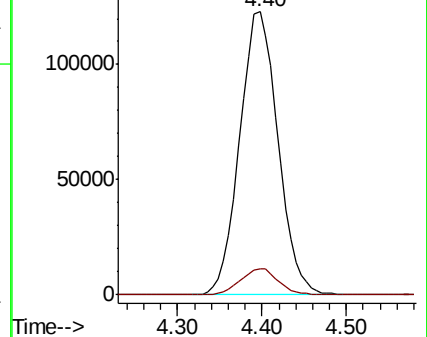
76 100

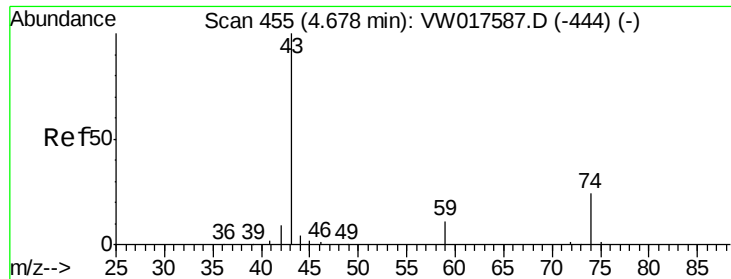
78 9.1 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

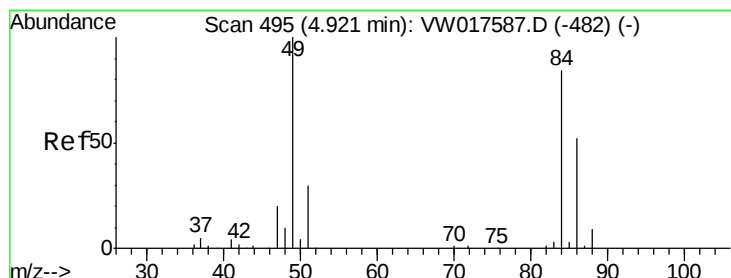
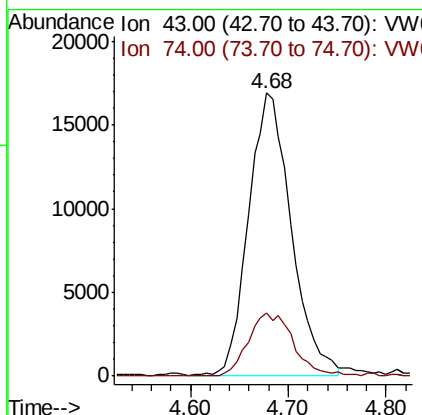
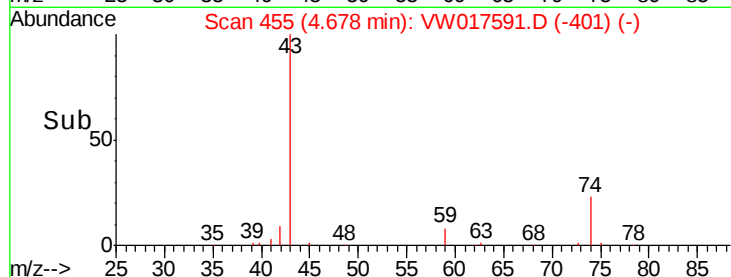
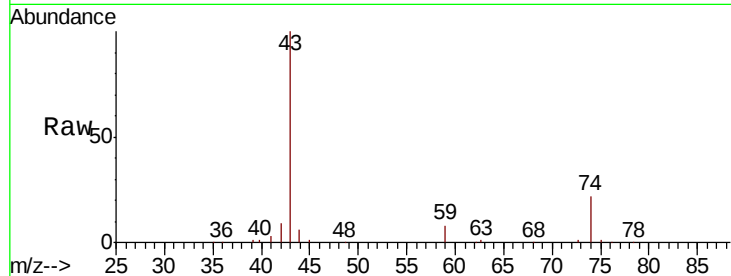




#15
Methyl Acetate
Concen: 27.053 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

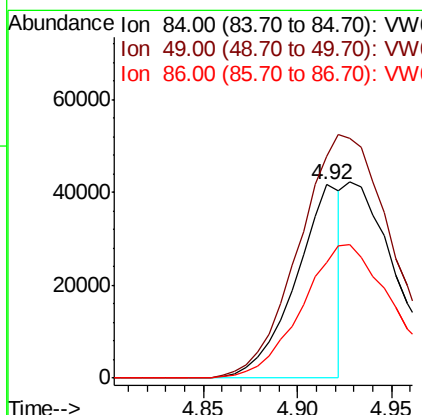
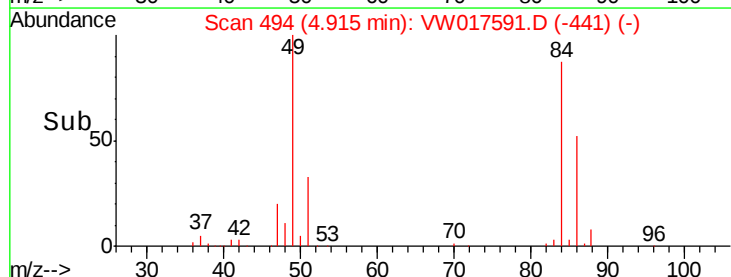
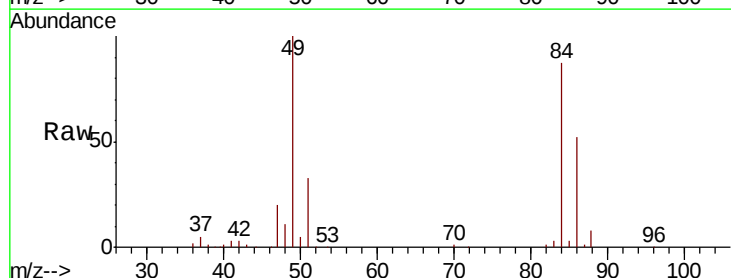
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

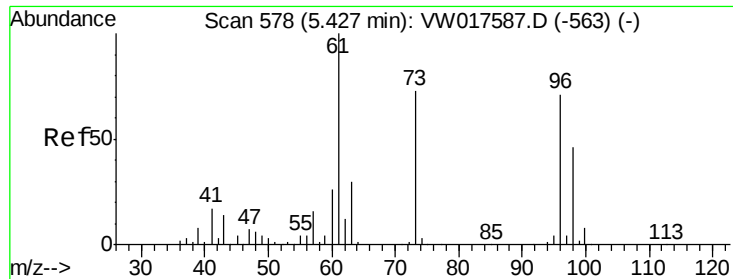
Tot Ion: 43 Resp: 50772
Ion Ratio Lower Upper
43 100
74 23.5 20.7 31.1



#16
Methylene chloride
Concen: 11.789 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

Tgt Ion: 84 Resp: 69633
Ion Ratio Lower Upper
84 100
49 114.6 81.2 150.8
86 60.1 44.5 82.7

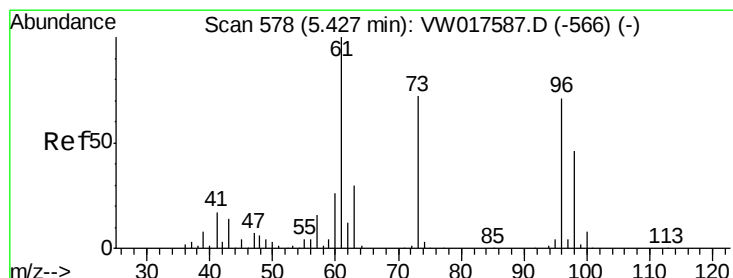
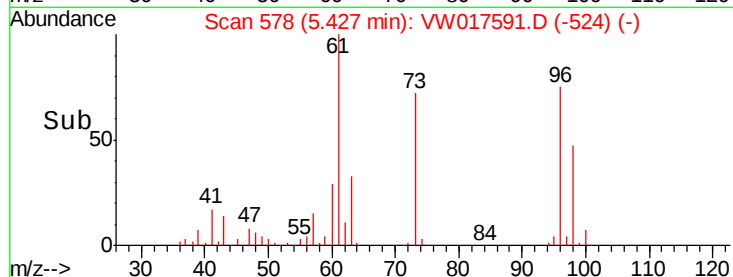
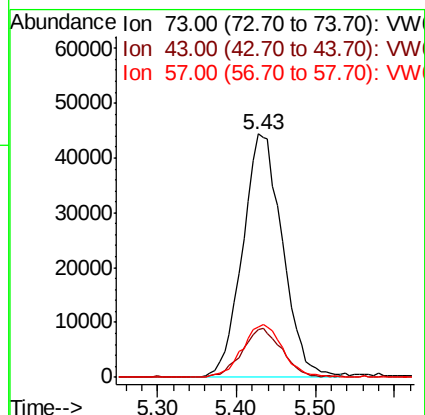
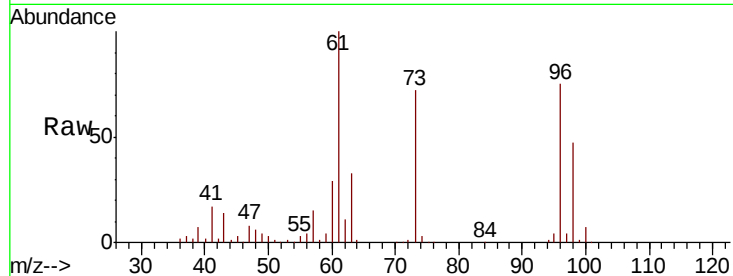




#17
Methvl tert-butvl Ether
Concen: 26.214 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

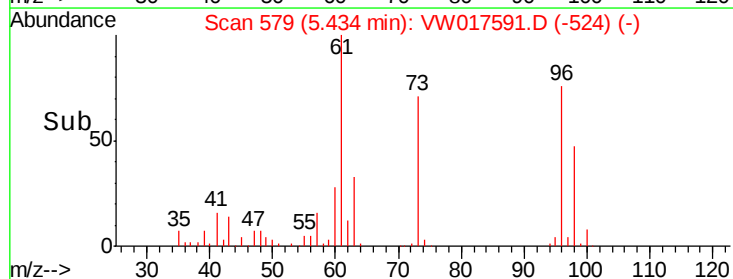
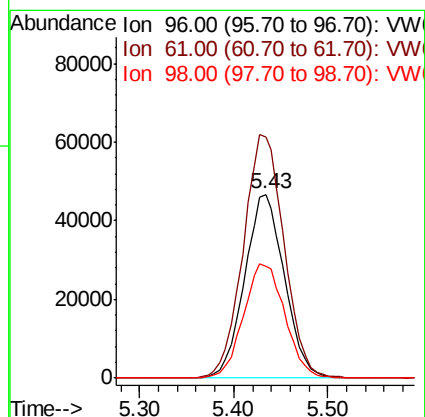
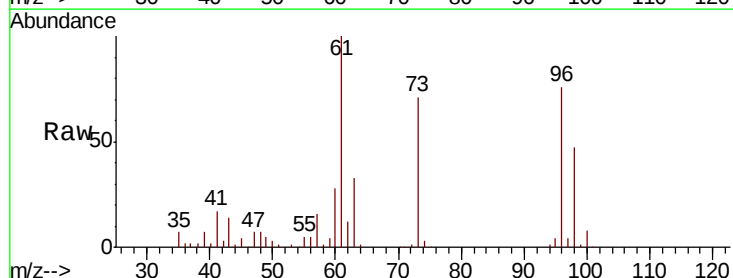
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

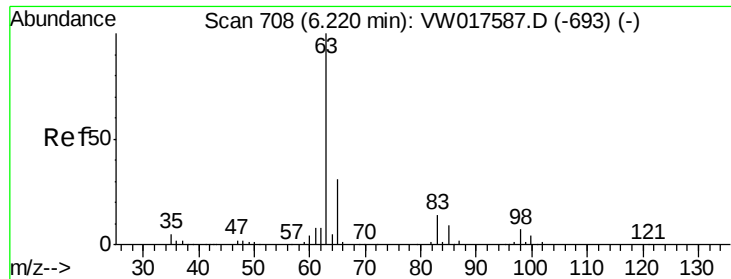
Tot Ion: 73 Resp: 156510
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.4
57 21.9 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 24.766 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

Tgt Ion: 96 Resp: 138587
Ion Ratio Lower Upper
96 100
61 131.2 92.7 172.1
98 61.0 43.3 80.3

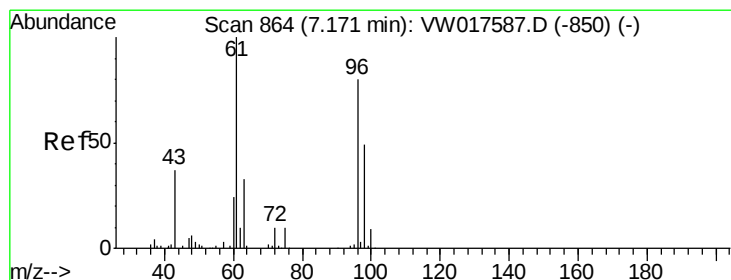
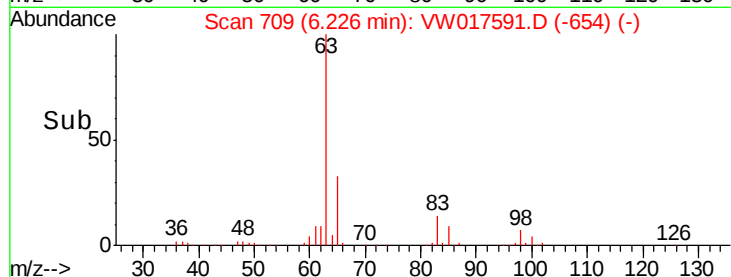
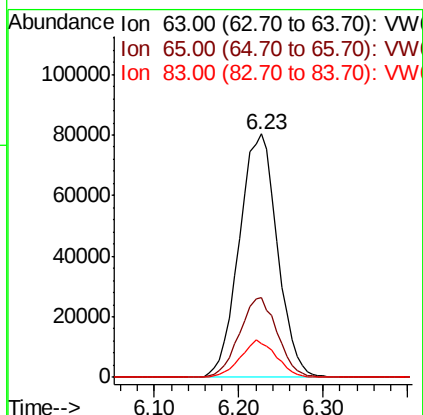
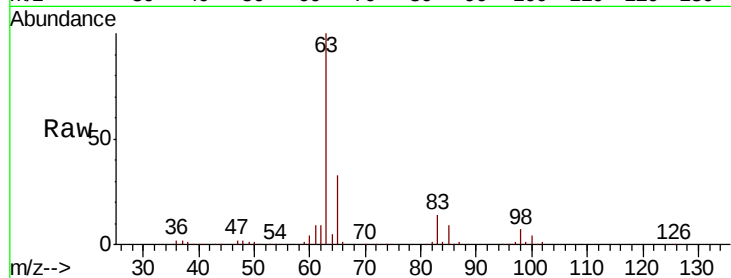




#19
 1,1-Dichloroethane
 Concen: 25.924 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

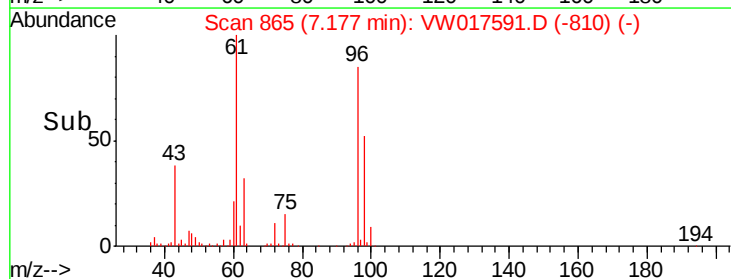
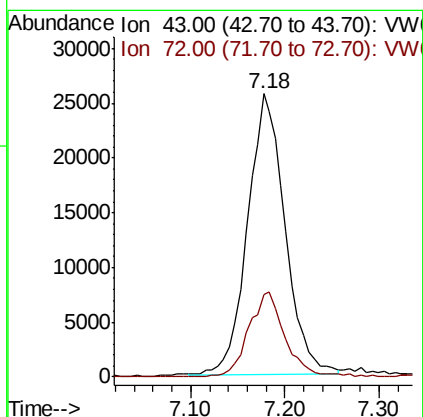
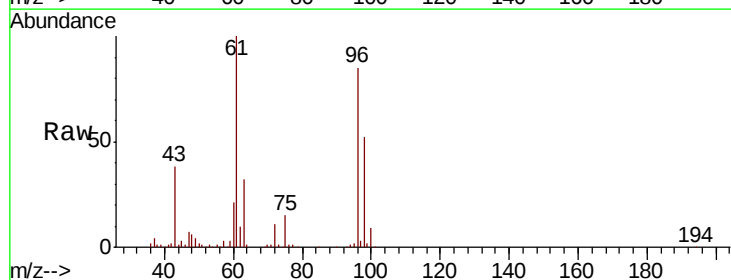
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

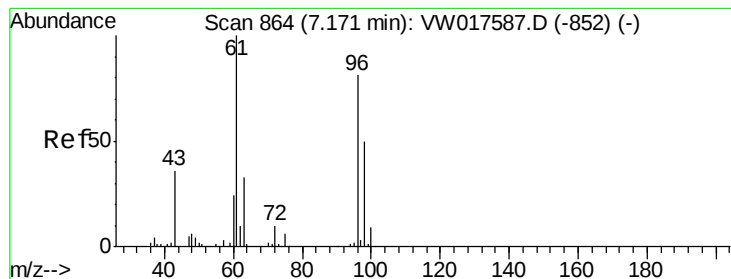
Tot Ion: 63 Resp: 246298
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.9 40.7
 83 13.9 9.4 17.6



#21
 2-Butanone
 Concen: 54.539 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Tgt Ion: 43 Resp: 71124
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.4 43.2



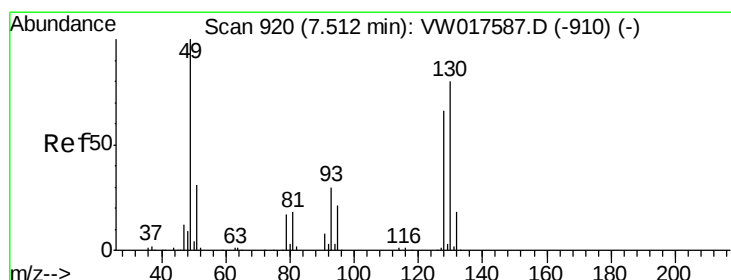
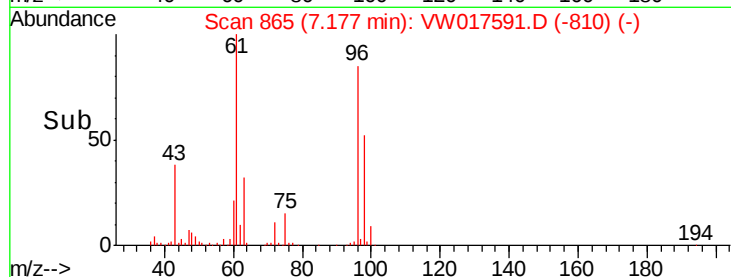
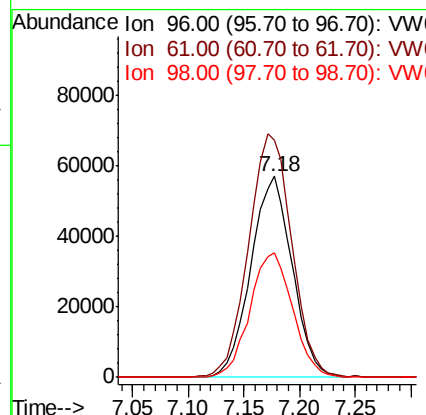
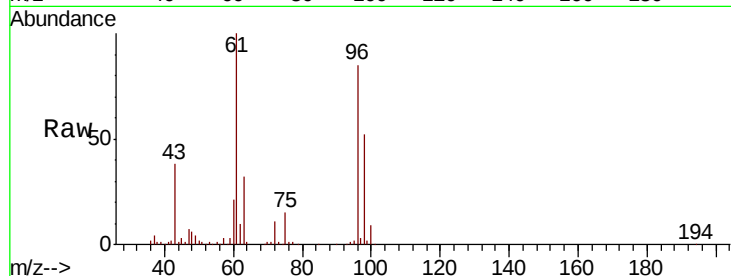


#22

cis-1,2-Dichloroethene
 Concen: 25.232 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

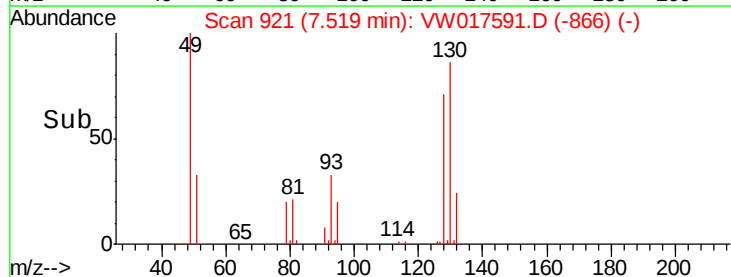
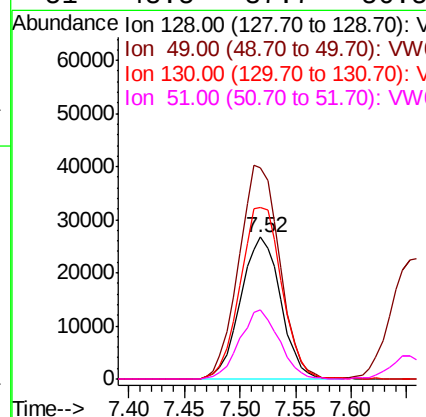
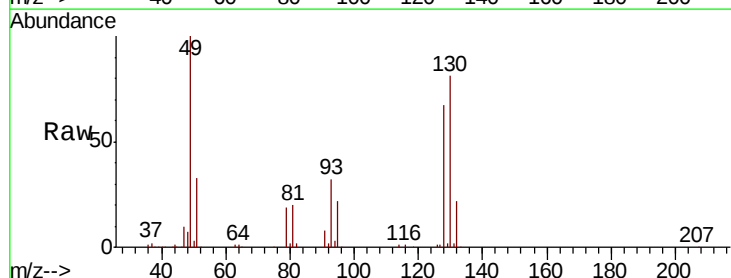
Tot Ion: 96 Resp: 147886
 Ion Ratio Lower Upper
 96 100
 61 118.2 84.6 157.2
 98 61.7 44.7 82.9

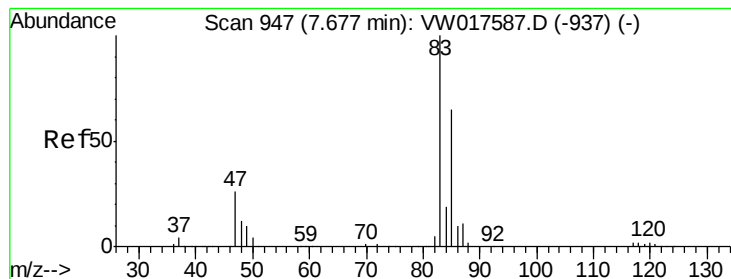


#23

Bromochloromethane
 Concen: 25.195 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Tgt Ion: 128 Resp: 67056
 Ion Ratio Lower Upper
 128 100
 49 149.2 101.6 188.6
 130 120.8 90.4 167.8
 51 48.5 37.7 56.5





#25

Chloroform

Concen: 26.149 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

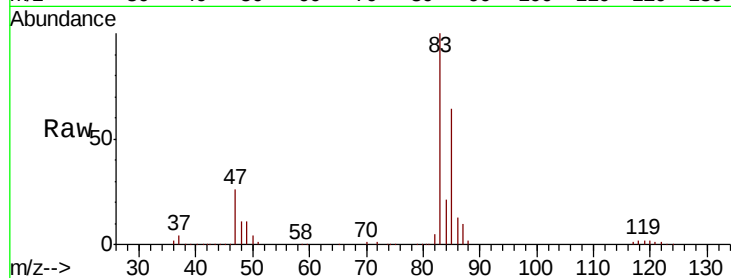
VSTD02508

Tot Ion: 83 Resp: 262273

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

120000

100000

80000

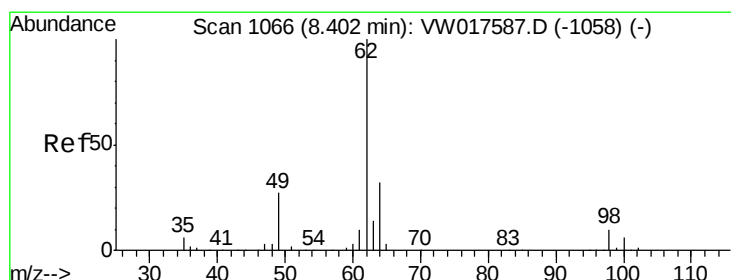
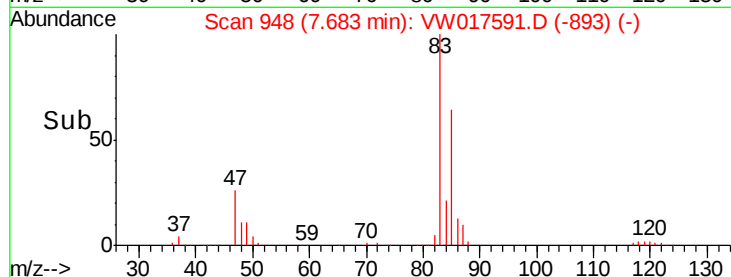
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 26.541 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017591.D

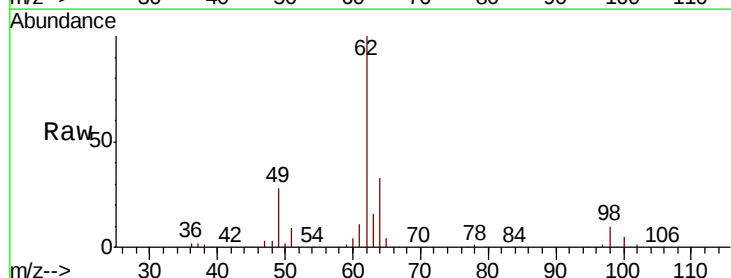
Acq: 08 Dec 2020 17:01

Tgt Ion: 62 Resp: 161729

Ion Ratio Lower Upper

62 100

98 9.8 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

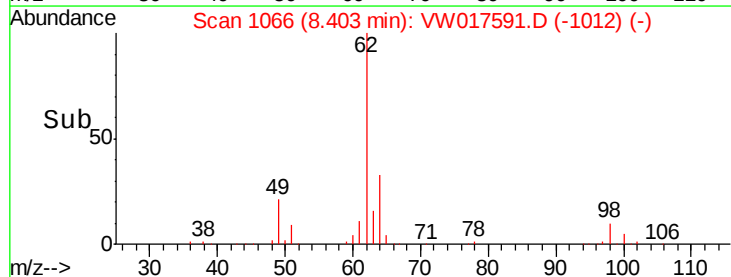
60000

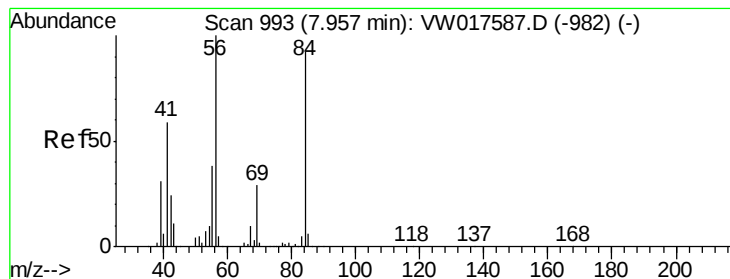
40000

20000

0

Time-->





#30

Cvclohexane

Concen: 25.711 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

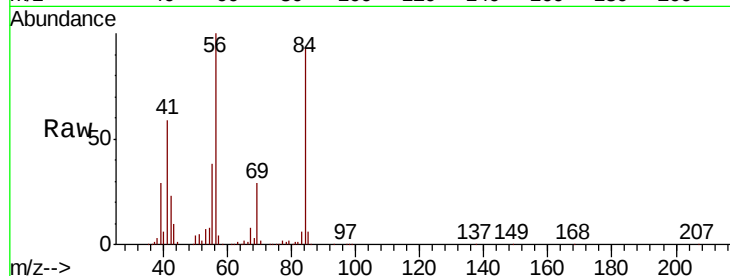
Tot Ion: 56 Resp: 216833

Ion Ratio Lower Upper

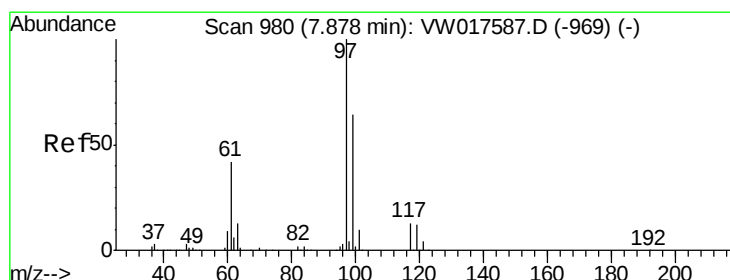
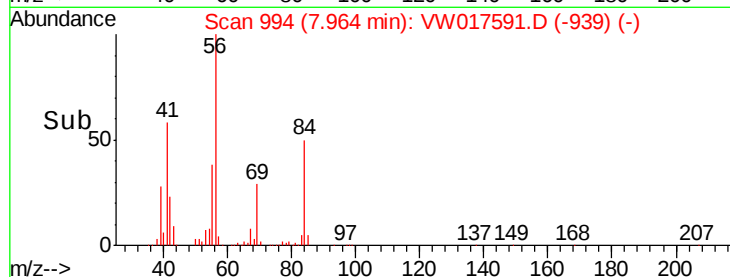
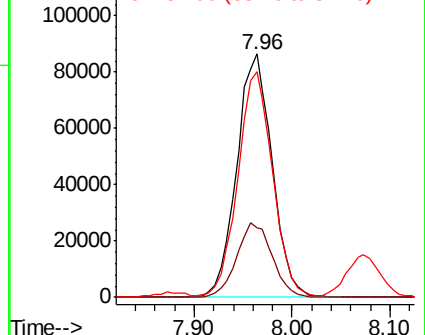
56 100

69 30.6 24.8 37.2

84 91.4 74.2 111.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 27.179 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

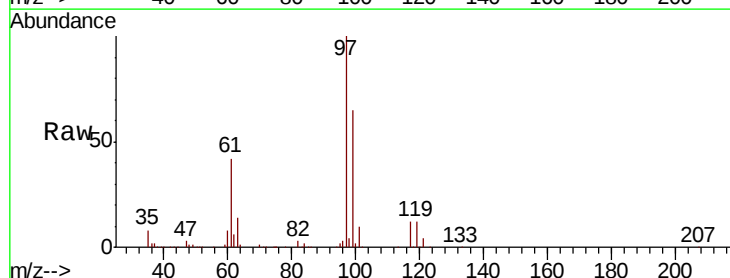
Tgt Ion: 97 Resp: 229608

Ion Ratio Lower Upper

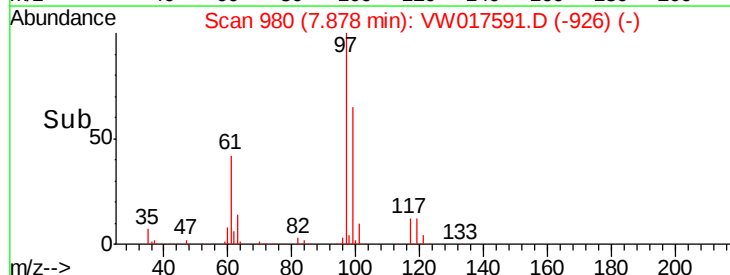
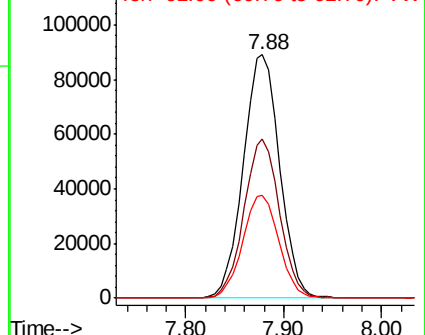
97 100

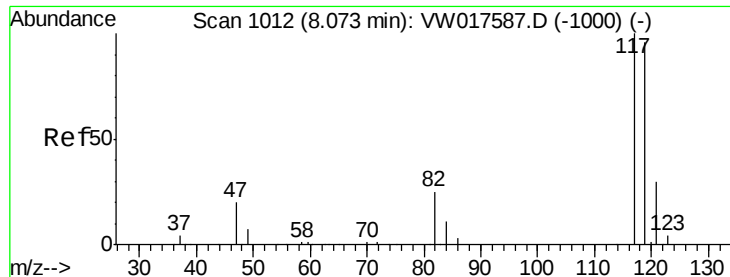
99 63.9 51.0 76.4

61 42.3 33.6 50.4



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: 26.418 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

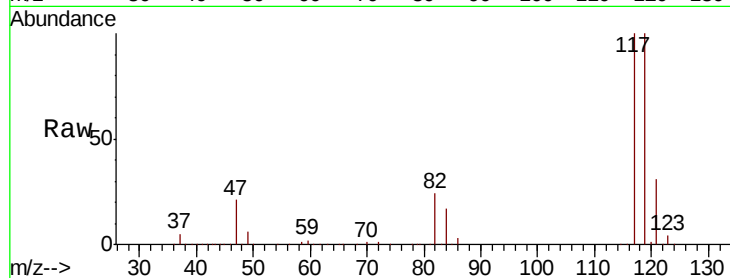
VSTD02508

Tot Ion:117 Resp: 216437

Ion Ratio Lower Upper

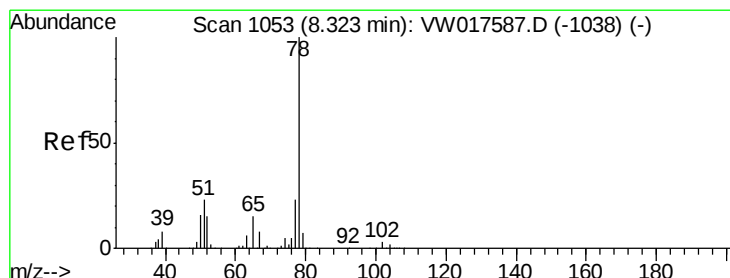
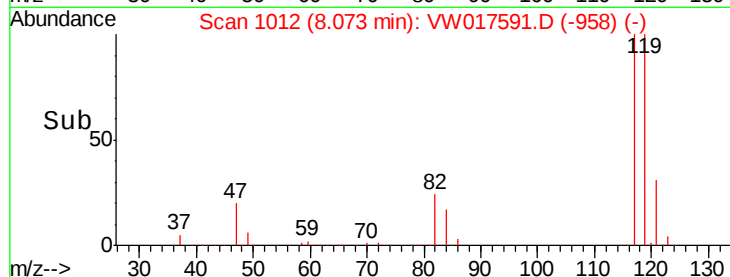
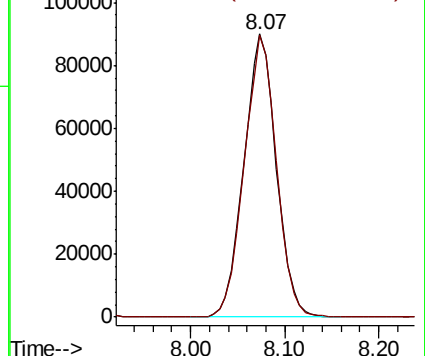
117 100

119 98.8 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: 26.126 ug/L

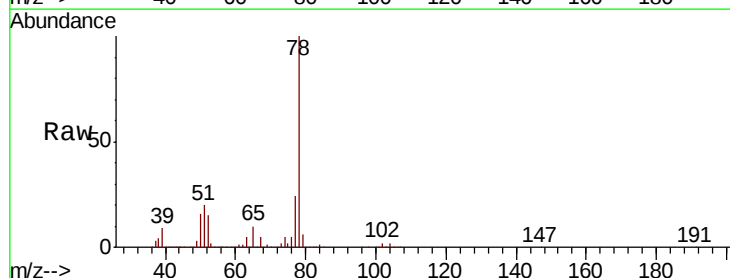
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

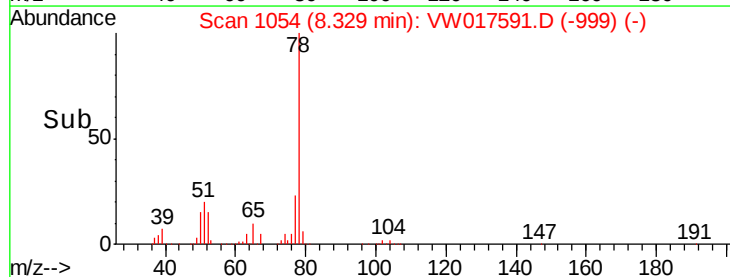
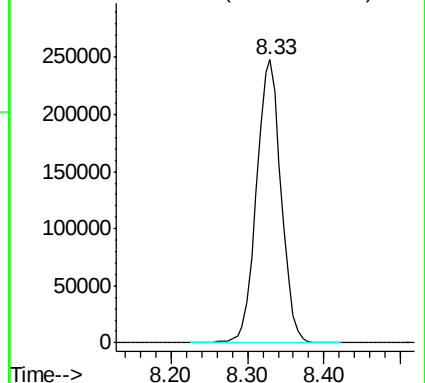
Lab File: VW017591.D

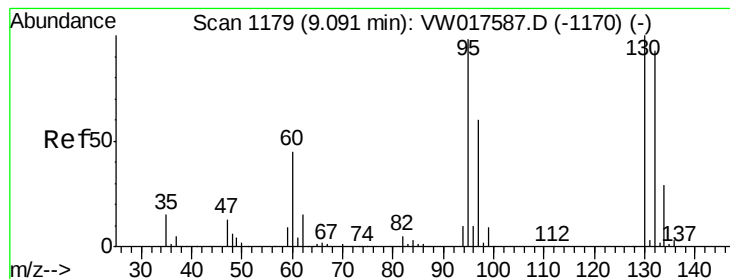
Acq: 08 Dec 2020 17:01

Tgt Ion: 78 Resp: 555748



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.752 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 95 Resp: 152367

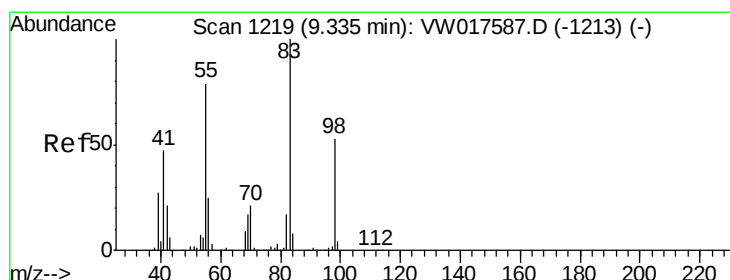
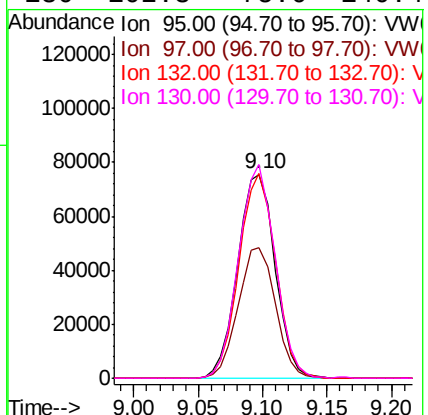
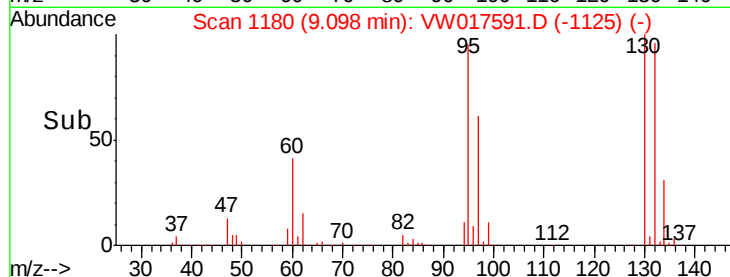
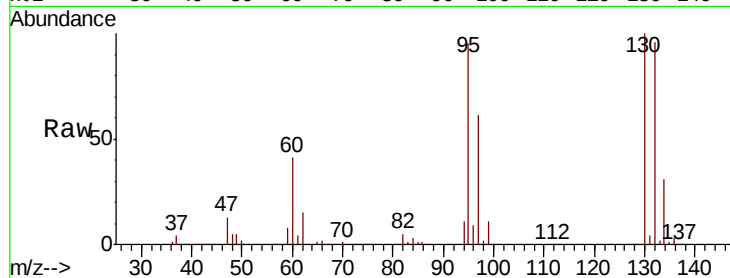
Ion Ratio Lower Upper

95 100

97 63.7 45.0 83.6

132 98.0 71.0 131.8

130 102.3 75.6 140.4



#36

Methylcyclohexane

Concen: 24.701 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

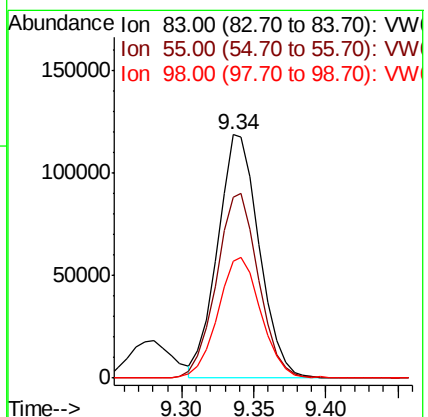
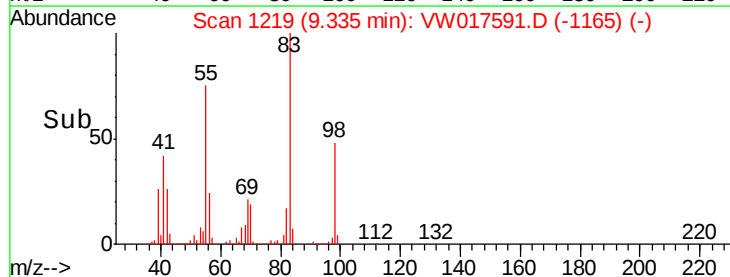
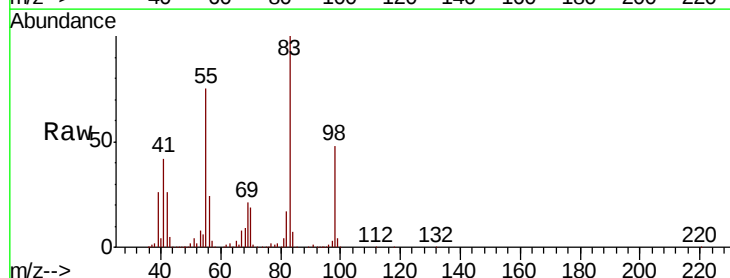
Tgt Ion: 83 Resp: 240227

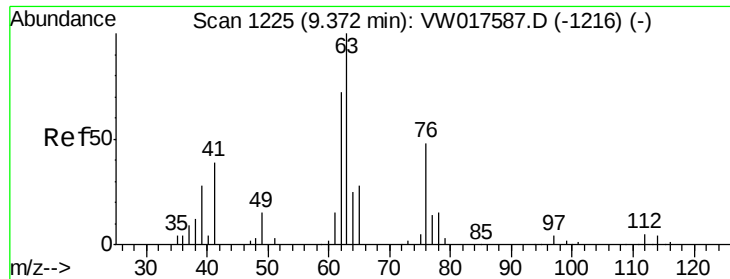
Ion Ratio Lower Upper

83 100

55 76.4 59.4 89.0

98 51.2 40.7 61.1

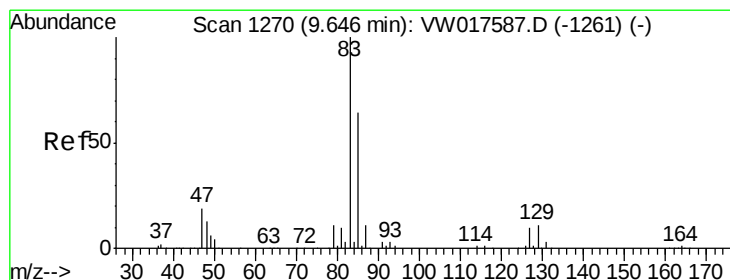
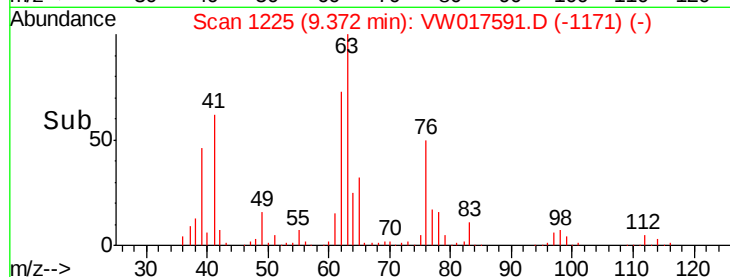
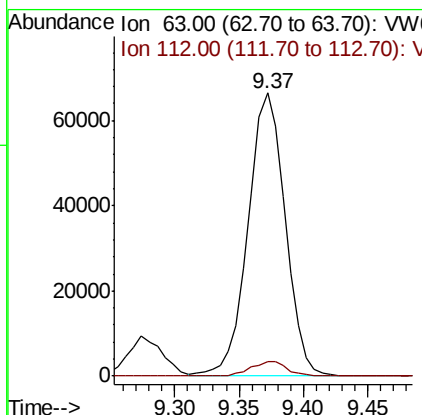
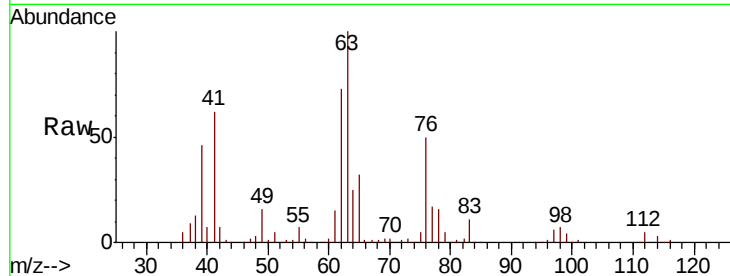




#40
 1,2-Dichloropropane
 Concen: 26.434 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

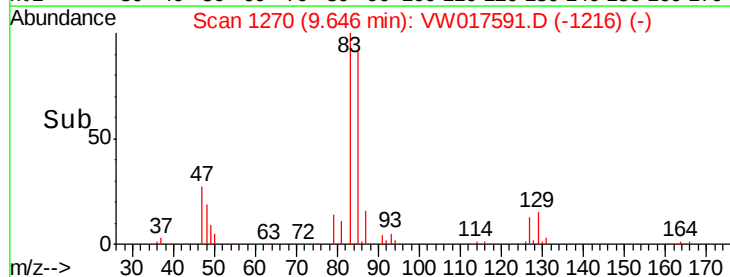
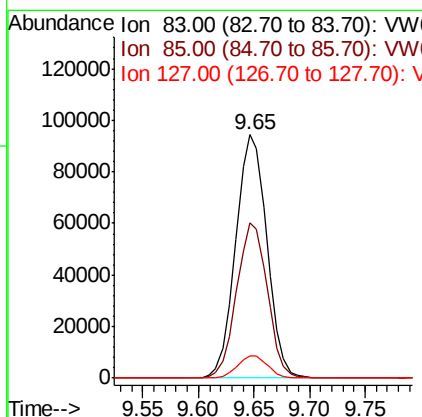
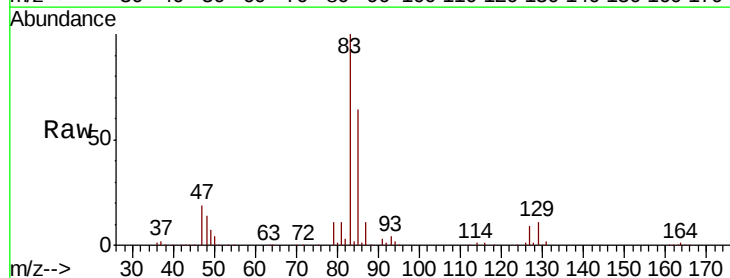
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

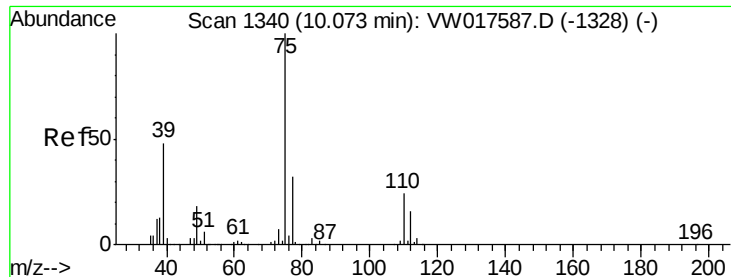
Tot Ion: 63 Resp: 132663
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.4



#41
 Bromodichloromethane
 Concen: 26.328 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Tgt Ion: 83 Resp: 182700
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.8 86.8
 127 8.9 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 26.851 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

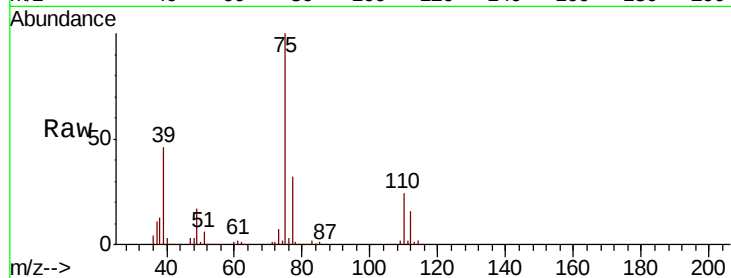
VSTD02508

Tot Ion: 75 Resp: 209571

Ion Ratio Lower Upper

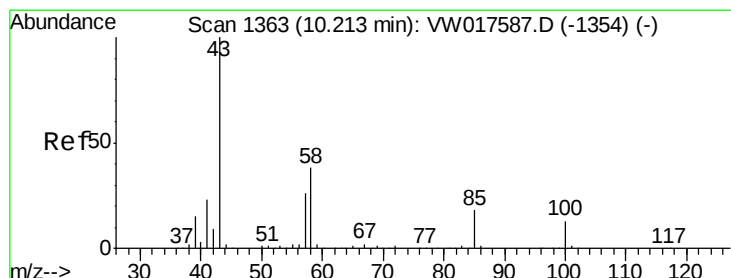
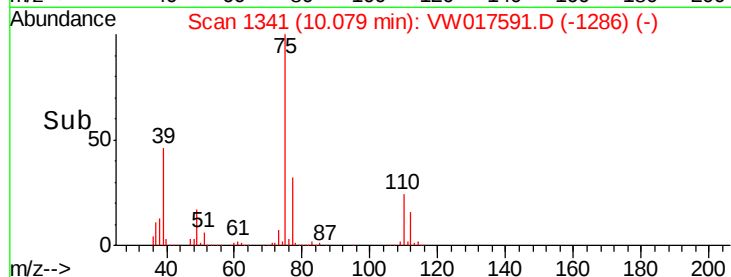
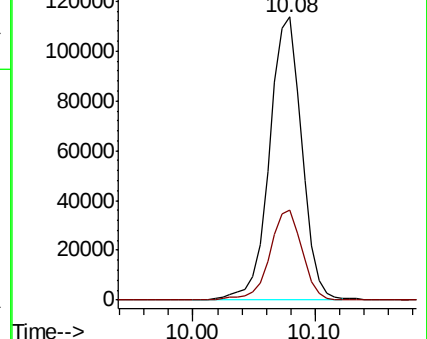
75 100

77 31.9 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 57.665 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

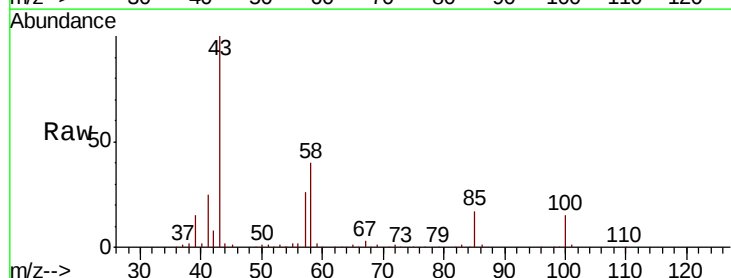
Tgt Ion: 43 Resp: 135424

Ion Ratio Lower Upper

43 100

58 38.2 31.6 47.4

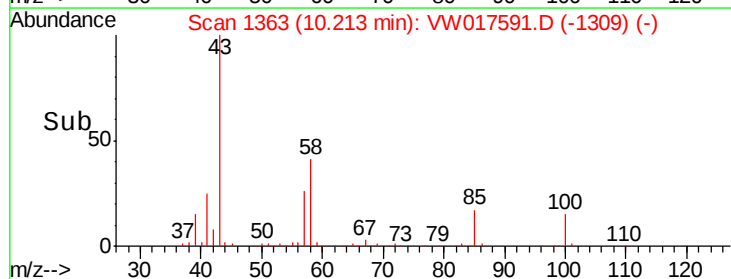
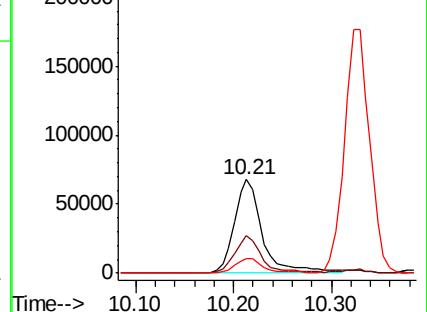
100 15.7 14.1 21.1

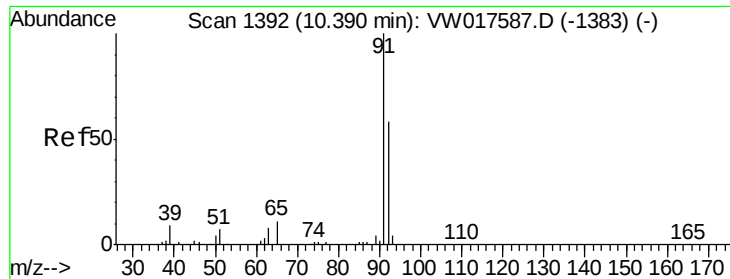


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.206 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

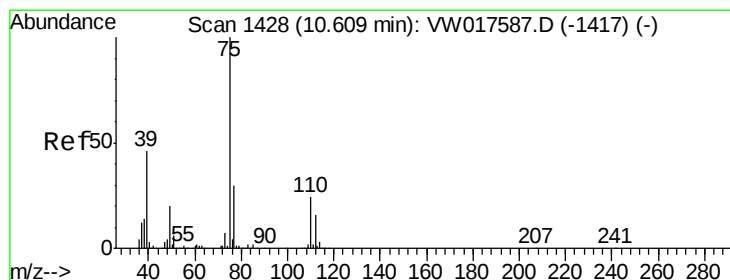
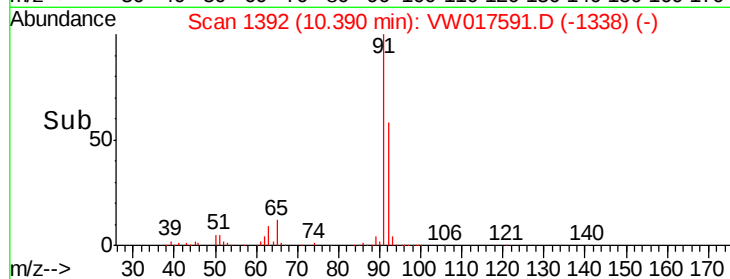
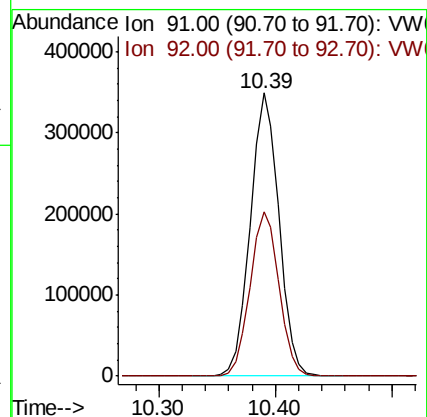
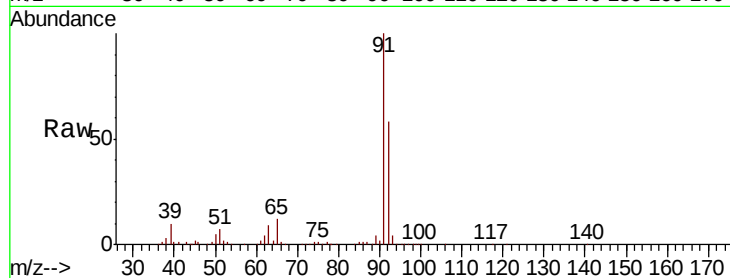
VSTD02508

Tot Ion: 91 Resp: 600874

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 27.383 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017591.D

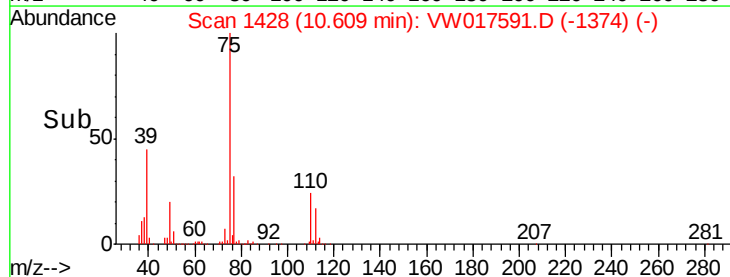
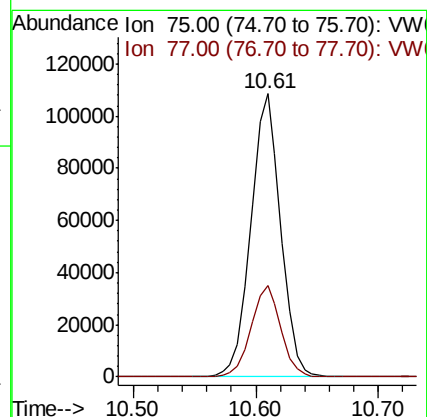
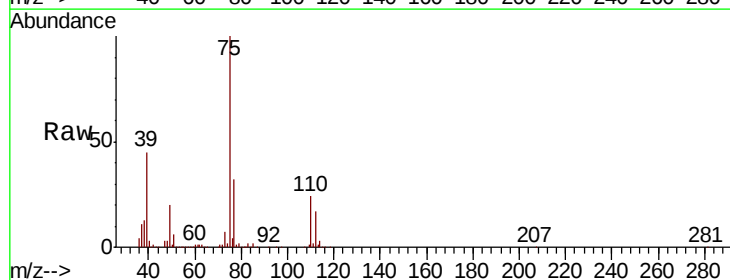
Acq: 08 Dec 2020 17:01

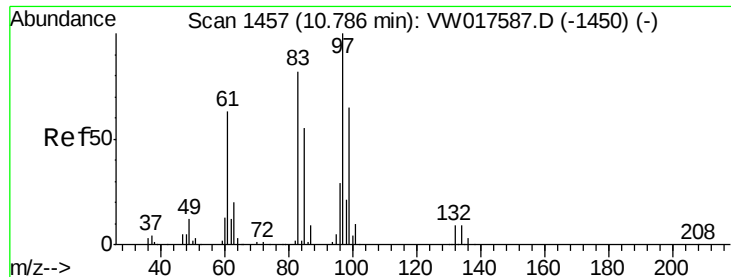
Tgt Ion: 75 Resp: 183949

Ion Ratio Lower Upper

75 100

77 32.3 22.6 42.0

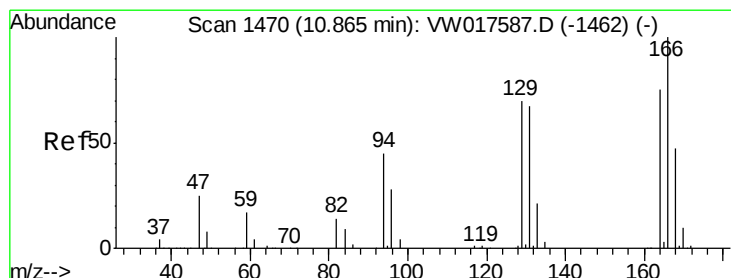
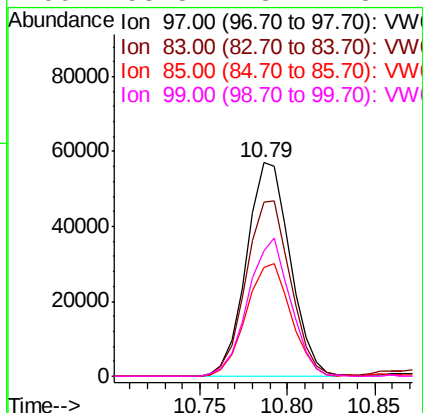
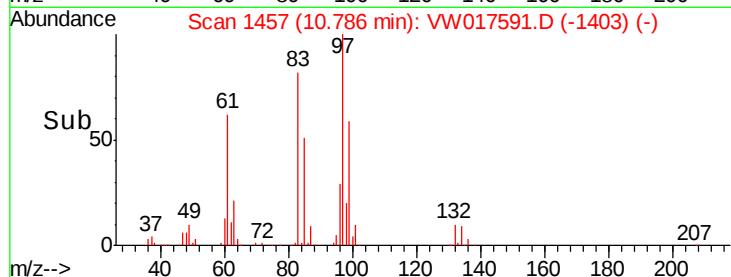
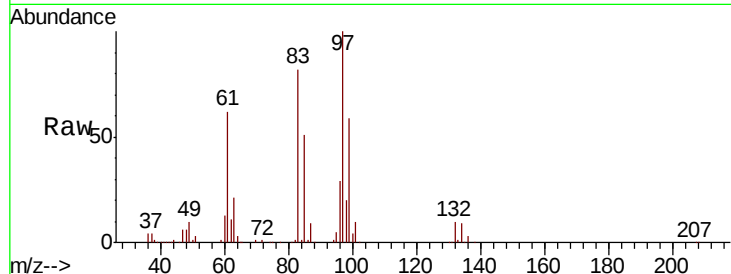




#46
1,1,2-Trichloroethane
Concen: 26.221 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

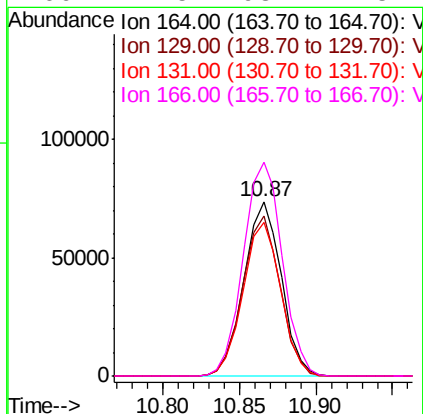
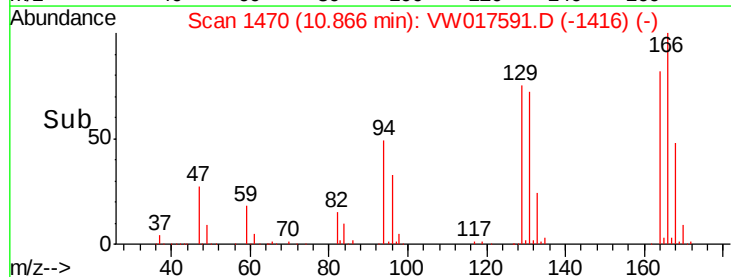
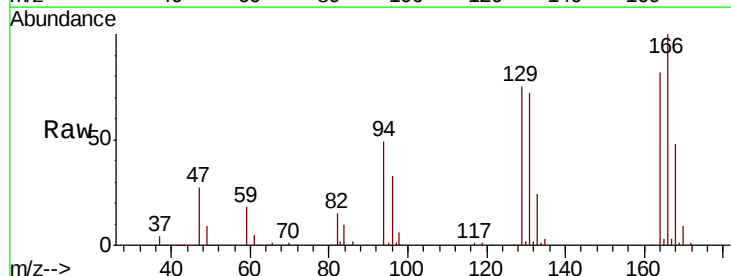
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

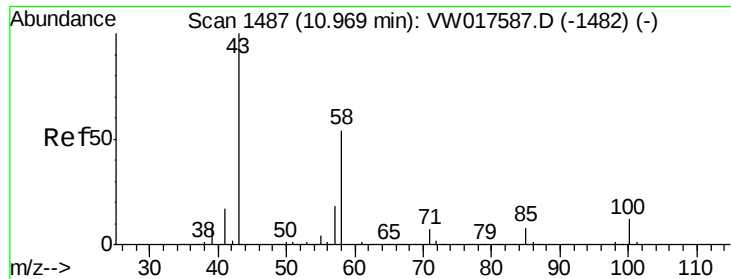
Tot Ion:	97	Resp:	99303
Ion	Ratio	Lower	Upper
97	100		
83	81.6	58.5	108.7
85	50.8	37.8	70.2
99	58.8	43.7	81.1



#47
Tetrachloroethene
Concen: 25.016 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

Tgt Ion:	164	Resp:	125337
Ion	Ratio	Lower	Upper
164	100		
129	91.8	67.6	125.6
131	87.9	65.2	121.2
166	122.5	93.2	173.2





#49

2-Hexanone

Concen: 59.964 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tot Ion: 43 Resp: 102687

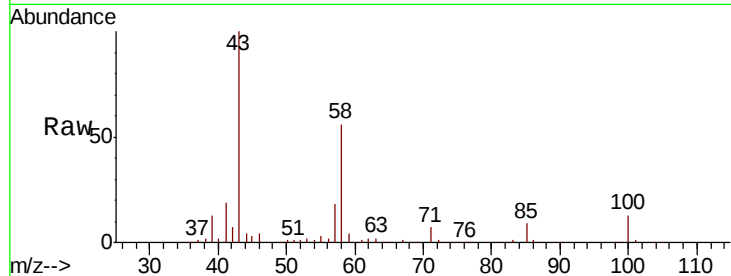
Ion Ratio Lower Upper

43 100

58 53.1 51.3 76.9

57 15.5 15.0 22.6

100 12.9 12.2 18.2

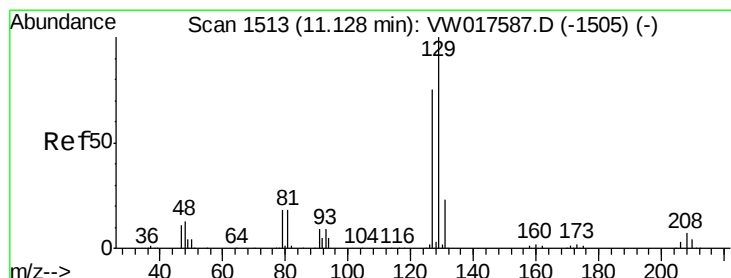
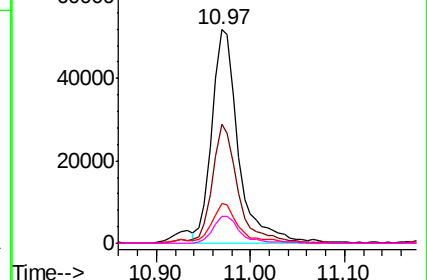
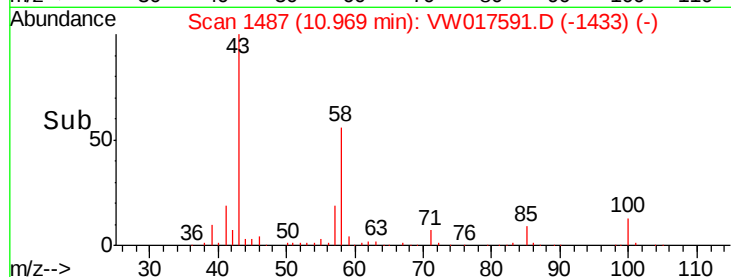


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.003 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017591.D

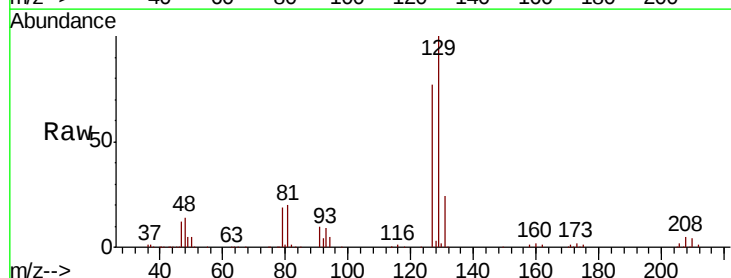
Acq: 08 Dec 2020 17:01

Tgt Ion: 129 Resp: 122060

Ion Ratio Lower Upper

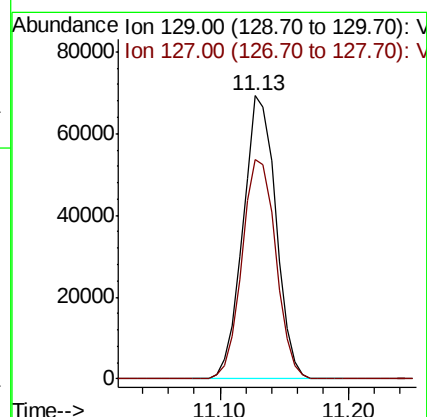
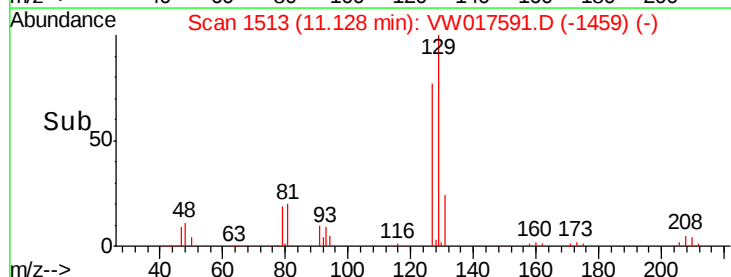
129 100

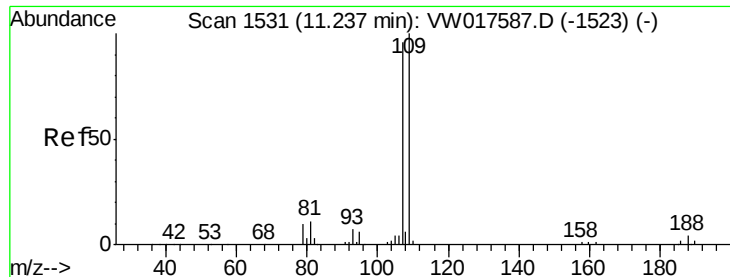
127 77.4 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

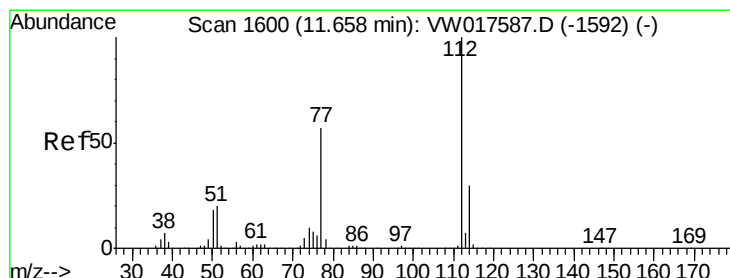
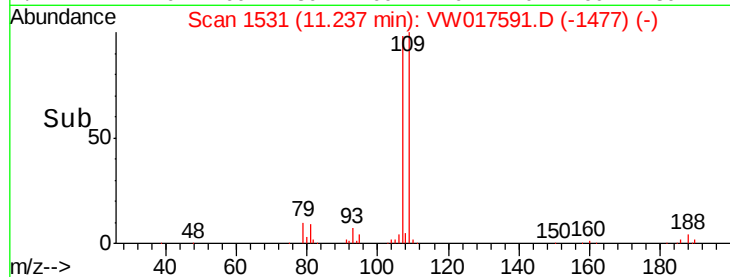
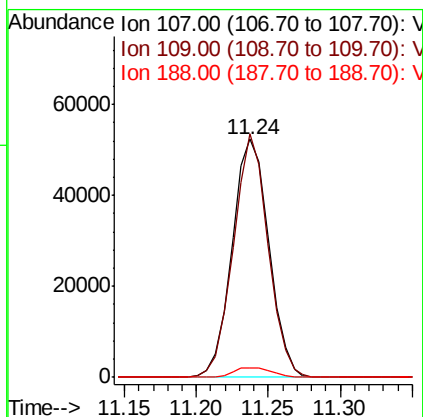
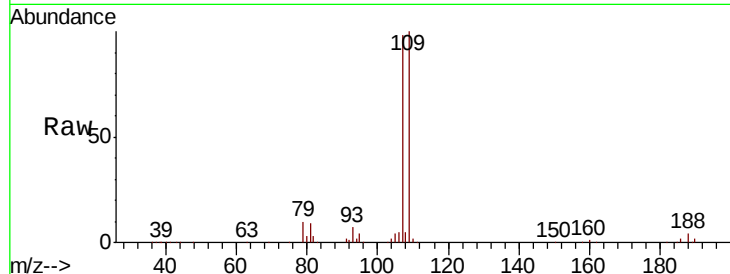




#51
1,2-Dibromoethane
Concen: 25.702 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

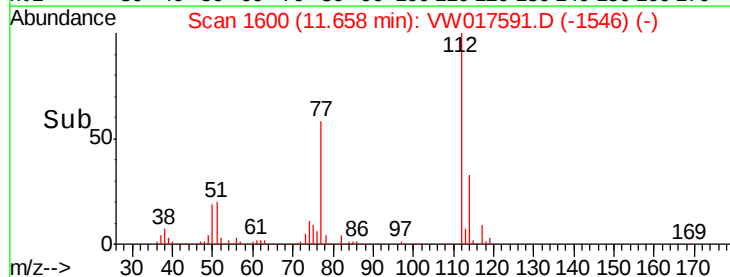
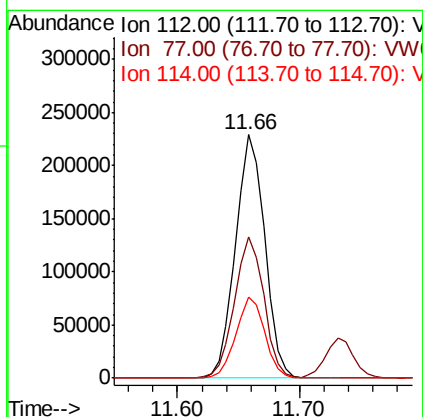
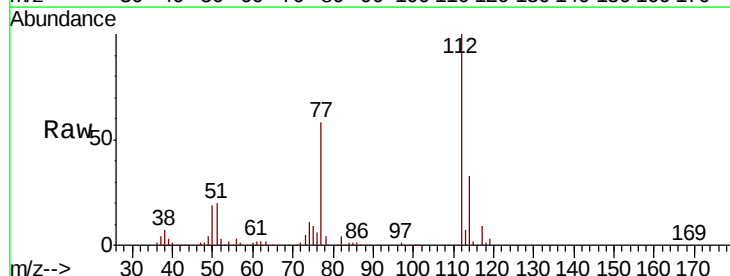
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

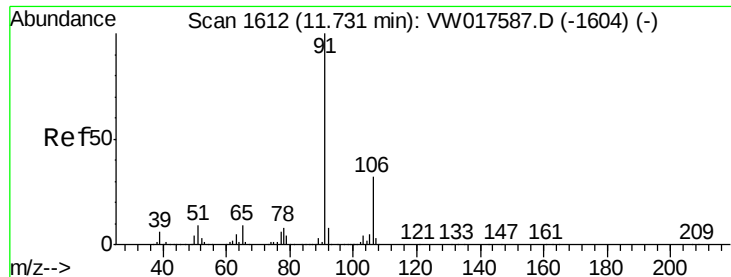
Tot Ion:107 Resp: 93059
Ion Ratio Lower Upper
107 100
109 102.3 66.4 123.2
188 3.9 4.0 6.0#



#52
Chlorobenzene
Concen: 25.377 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017591.D
Acq: 08 Dec 2020 17:01

Tgt Ion:112 Resp: 380104
Ion Ratio Lower Upper
112 100
77 58.0 42.6 64.0
114 33.3 21.6 40.2





#53

Ethylbenzene

Concen: 26.299 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

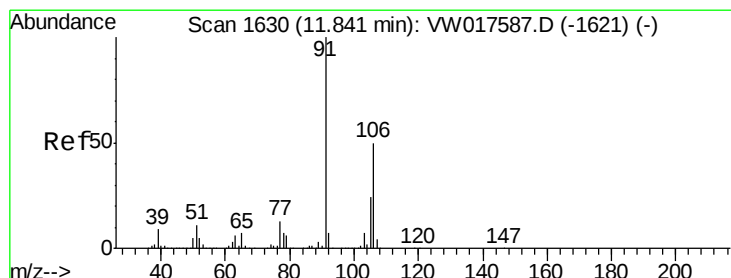
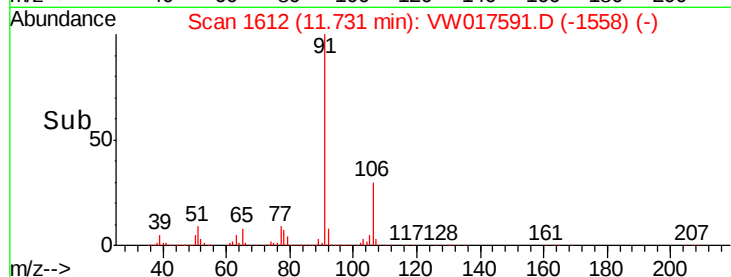
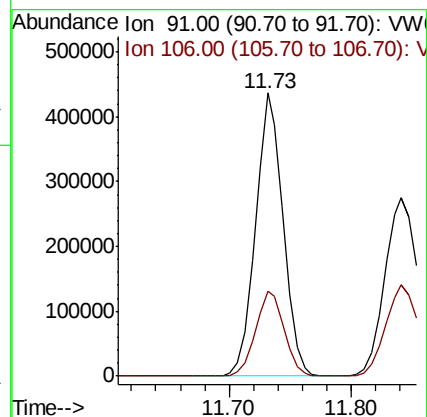
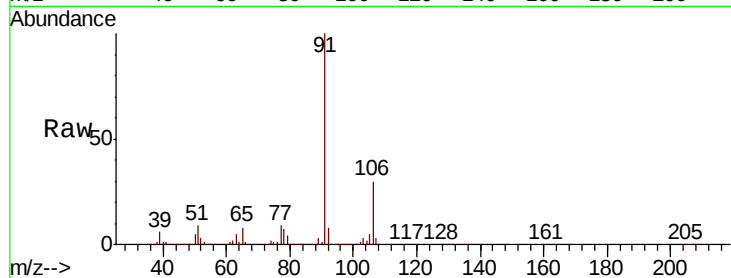
VSTD02508

Tot Ion: 91 Resp: 682337

Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.1



#54

m,p-Xylene

Concen: 26.183 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017591.D

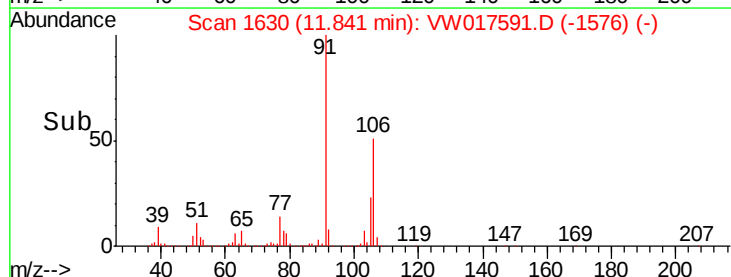
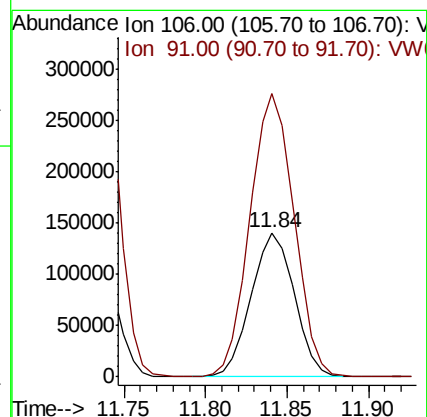
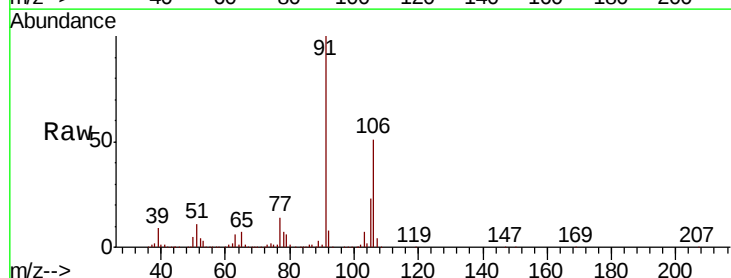
Acq: 08 Dec 2020 17:01

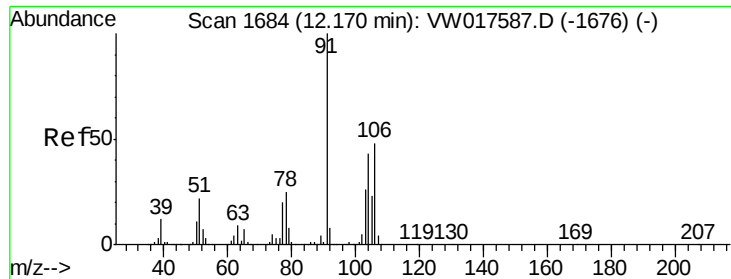
Tgt Ion: 106 Resp: 258932

Ion Ratio Lower Upper

106 100

91 196.7 136.4 253.4





#55

o-xylene

Concen: 26.204 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

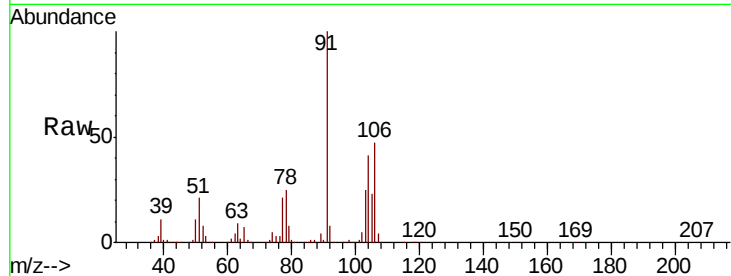
VSTD02508

Tot Ion:106 Resp: 241268

Ion Ratio Lower Upper

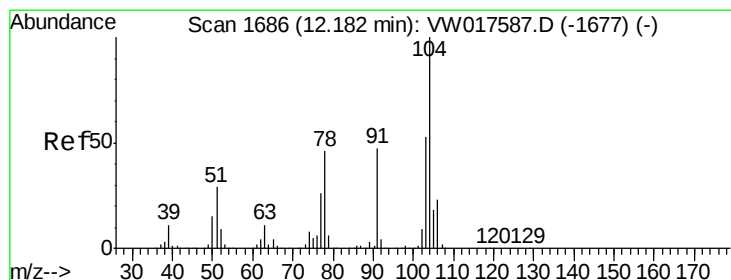
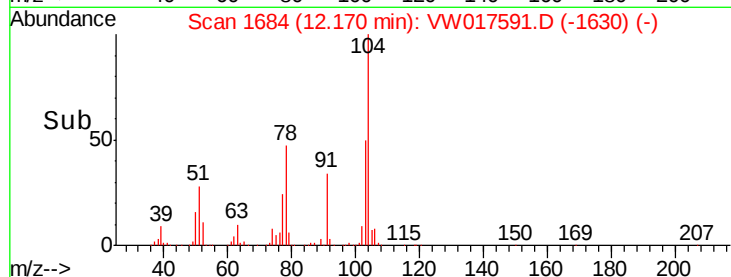
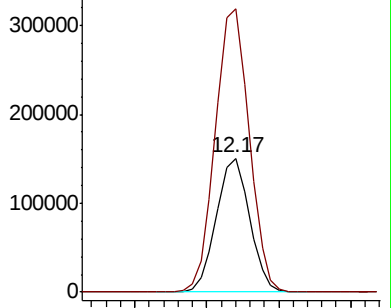
106 100

91 211.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.984 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017591.D

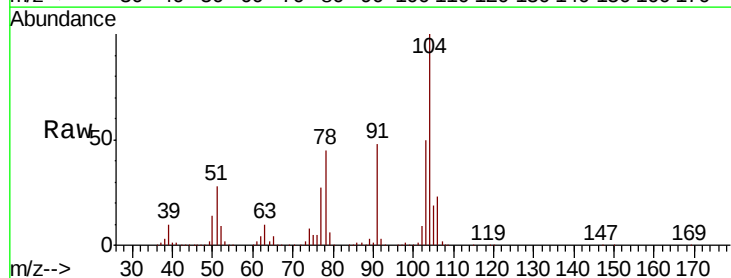
Acq: 08 Dec 2020 17:01

Tgt Ion:104 Resp: 418407

Ion Ratio Lower Upper

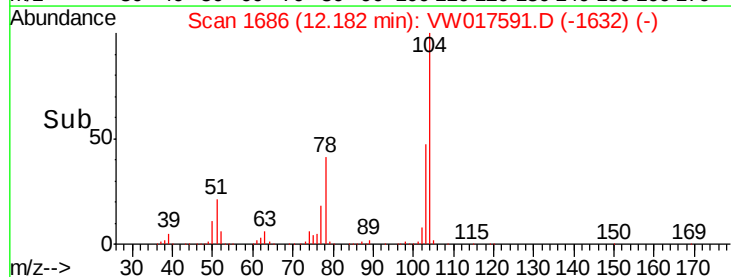
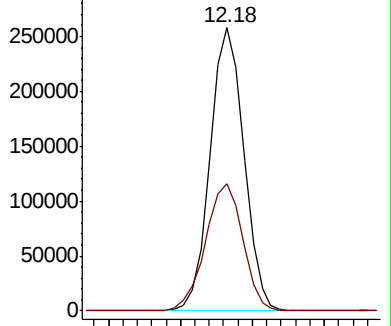
104 100

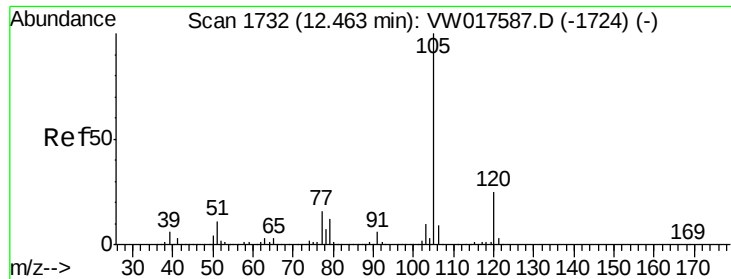
78 45.1 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.829 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

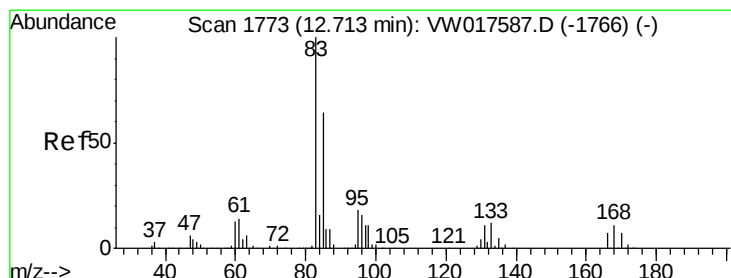
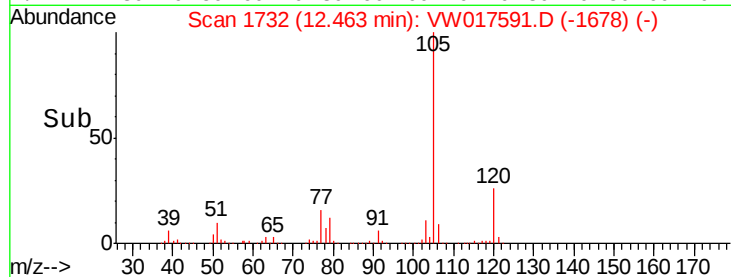
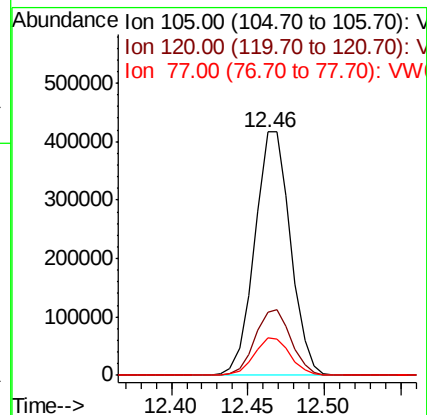
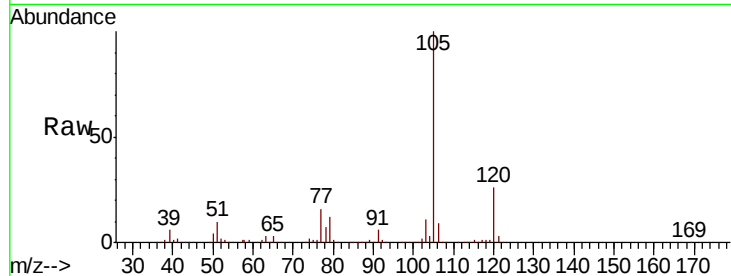
Tot Ion:105 Resp: 678793

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

77 15.5 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 27.731 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

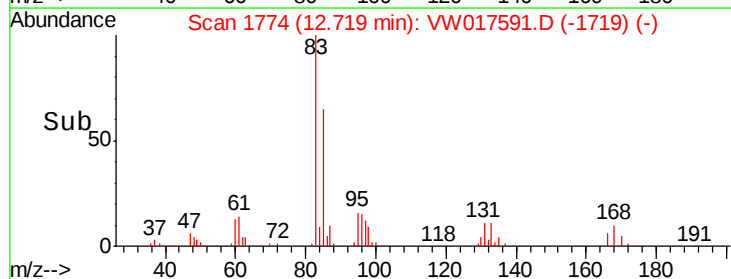
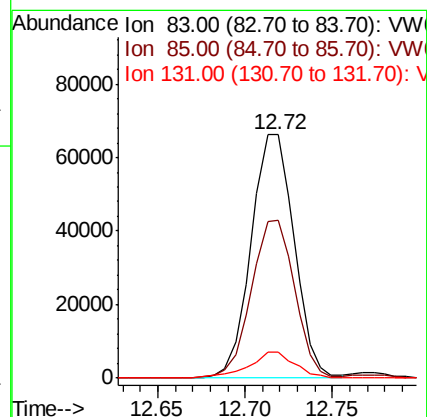
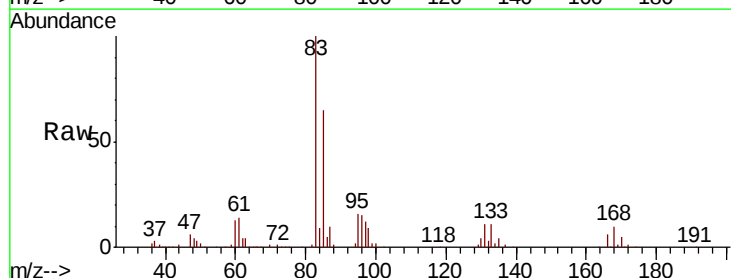
Tgt Ion: 83 Resp: 113729

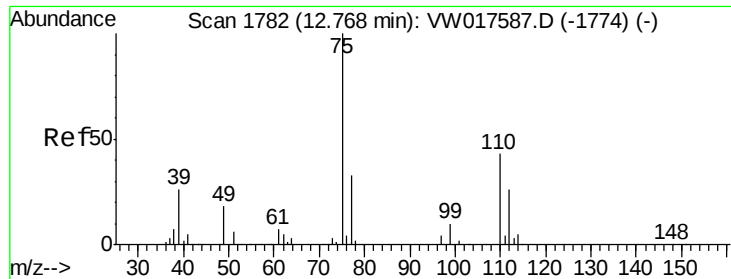
Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1

131 10.9 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 26.758 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

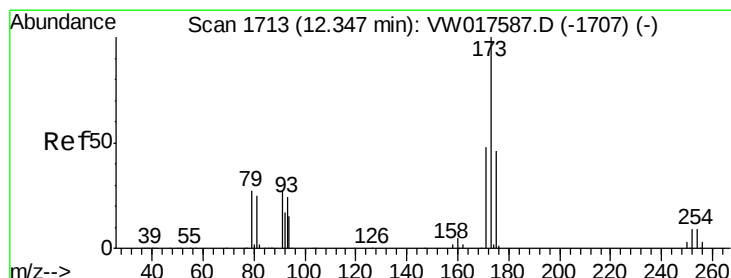
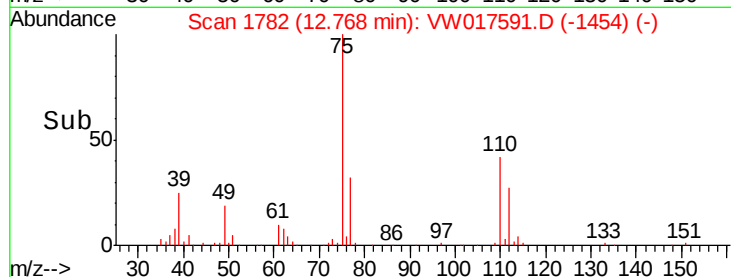
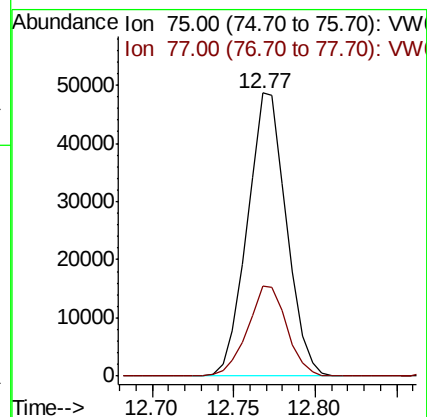
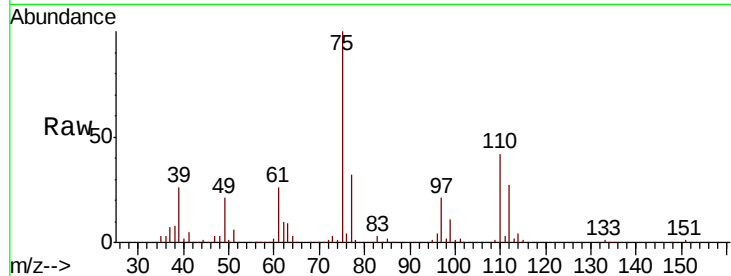
VSTD02508

Tot Ion: 75 Resp: 81017

Ion Ratio Lower Upper

75 100

77 32.1 26.6 39.8



#62

Bromoform

Concen: 26.656 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

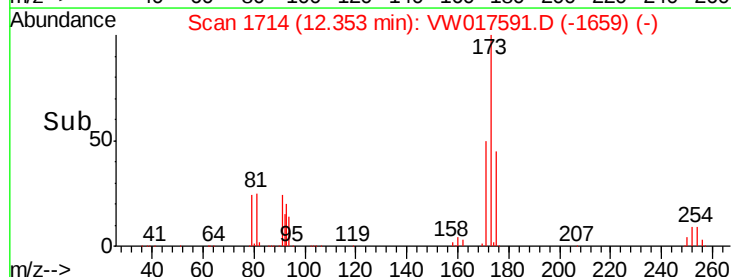
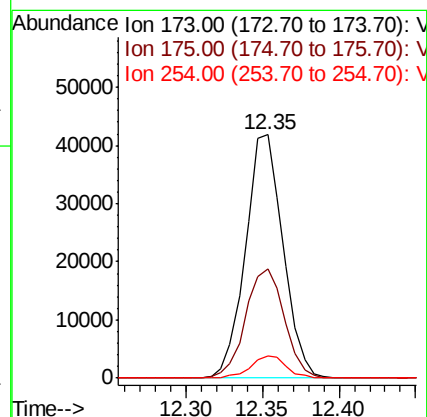
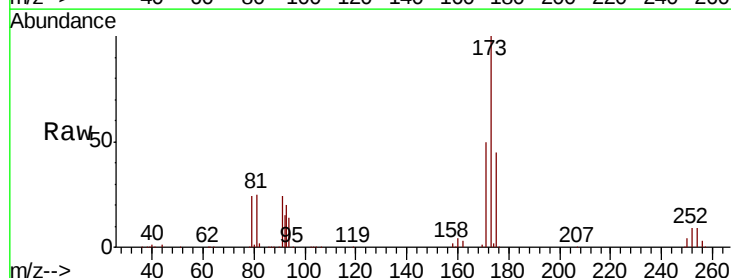
Tgt Ion: 173 Resp: 71336

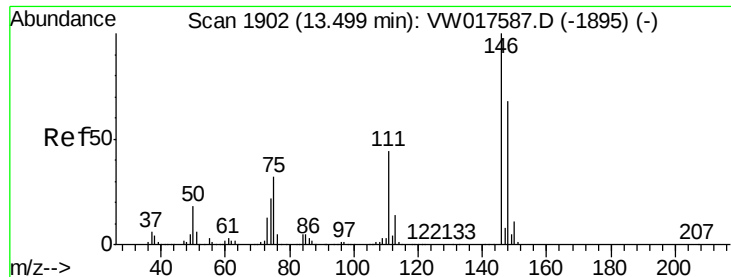
Ion Ratio Lower Upper

173 100

175 46.3 39.1 58.7

254 8.8 7.1 10.7

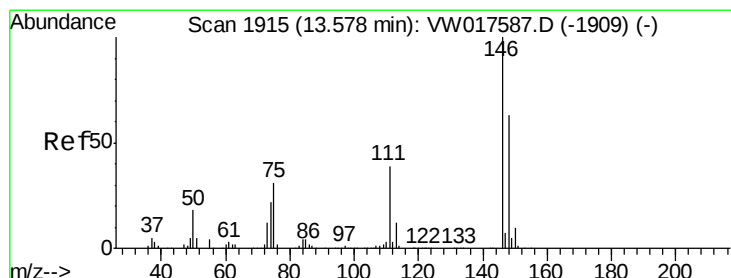
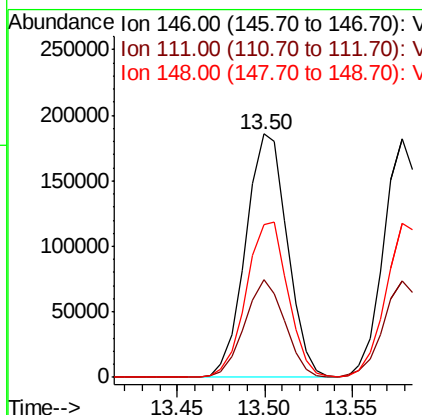
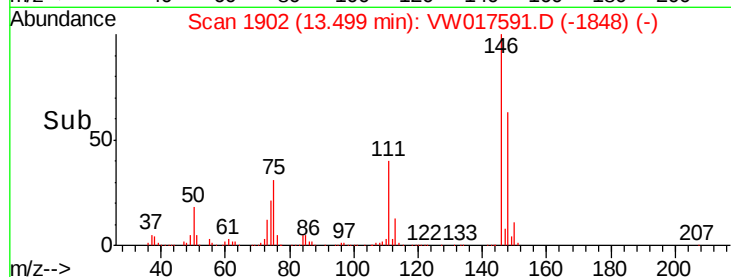
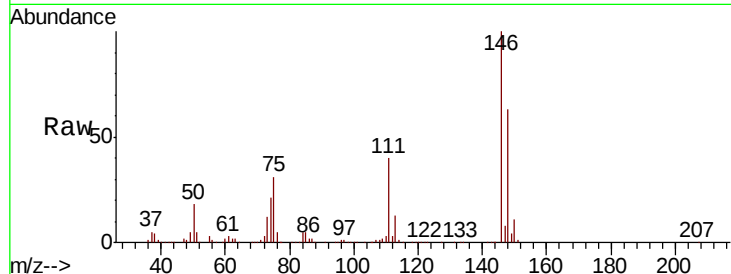




#63
 1,3-Dichlorobenzene
 Concen: 25.877 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

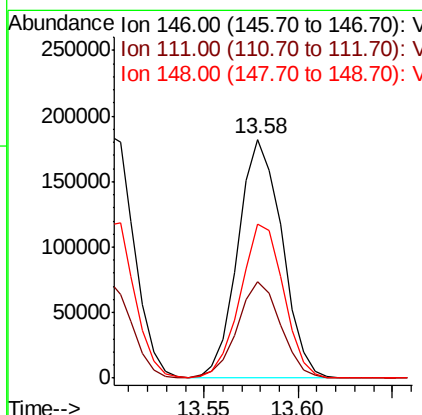
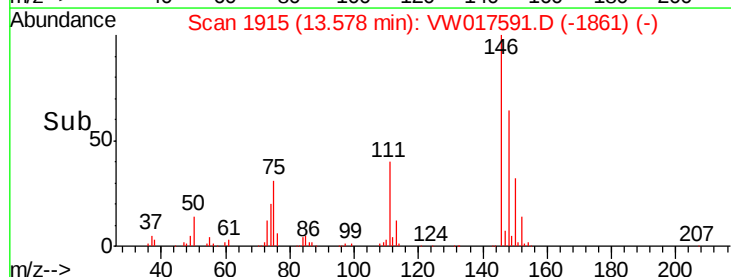
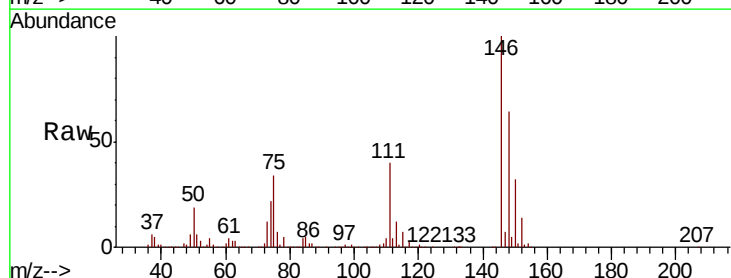
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

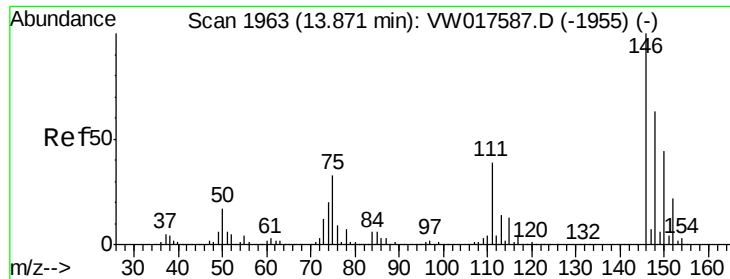
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.5	52.9
148	62.6	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.870 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.7	51.5
148	64.3	47.0	87.2





#65

1,2-Dichlorobenzene

Concen: 26.328 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

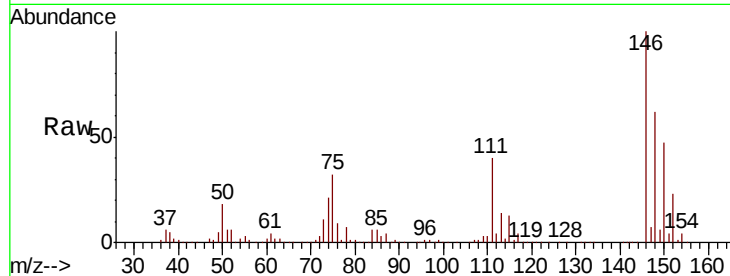
Tot Ion:146 Resp: 272592

Ion Ratio Lower Upper

146 100

111 40.3 31.7 47.5

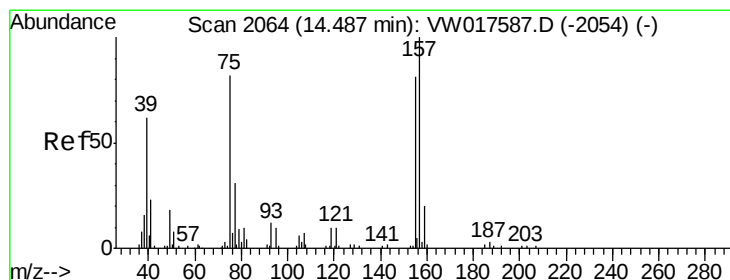
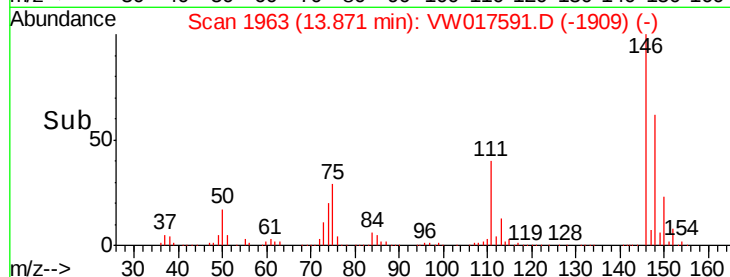
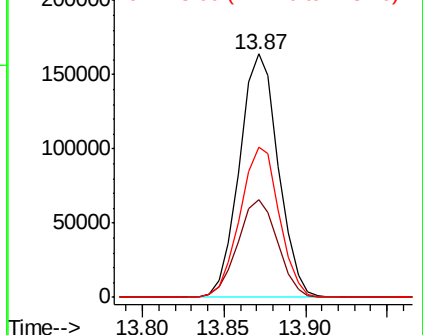
148 61.6 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.646 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

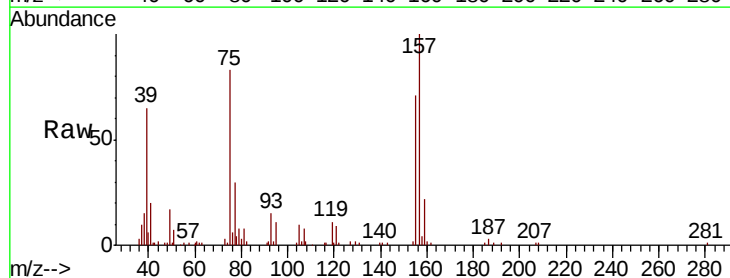
Tgt Ion: 75 Resp: 17586

Ion Ratio Lower Upper

75 100

157 120.7 99.9 149.9

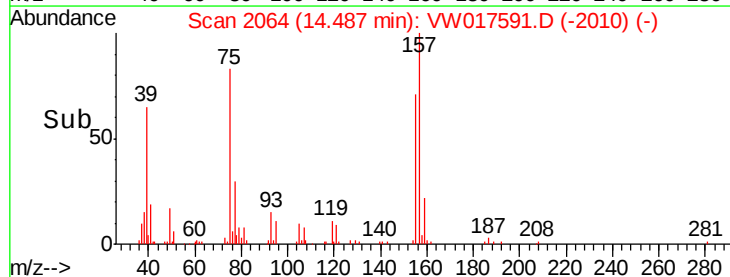
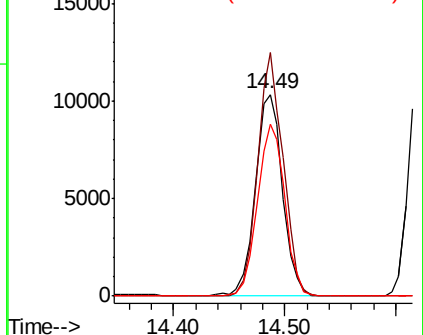
155 85.3 71.4 107.0

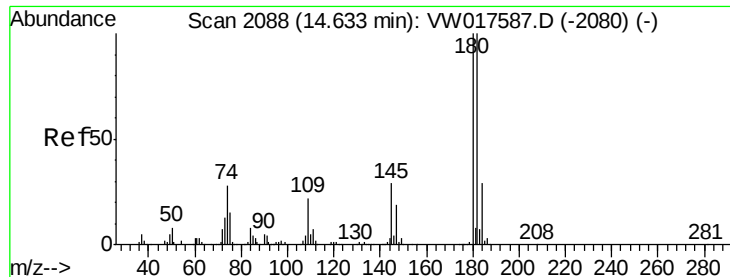


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

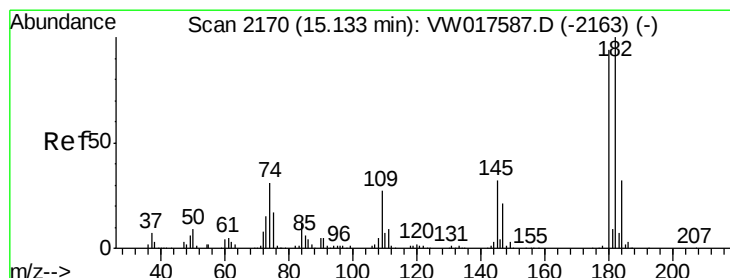
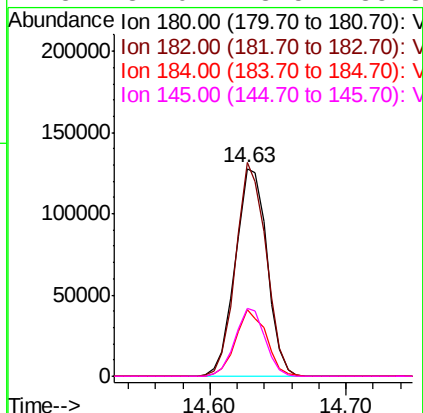
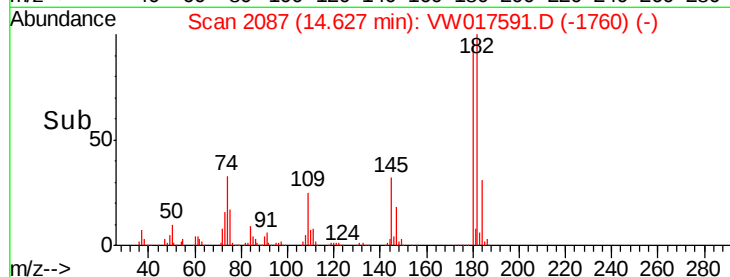
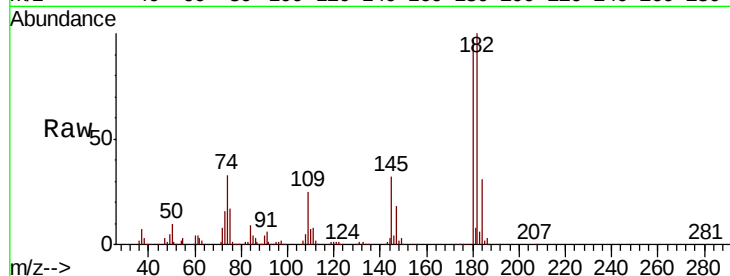




#67
 1,3,5-Trichlorobenzene
 Concen: 24.486 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

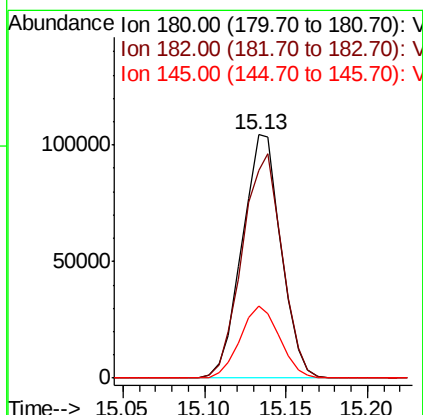
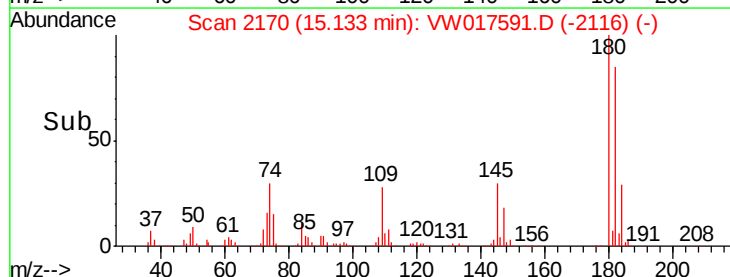
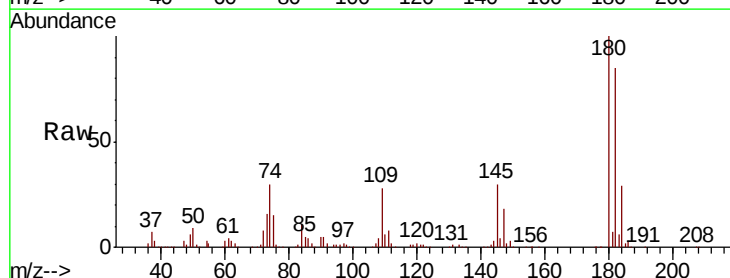
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

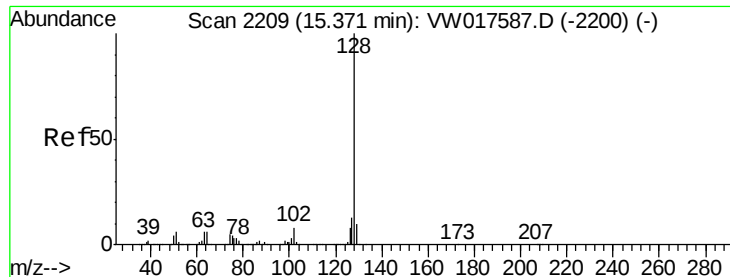
Tot Ion:180	Resp:	208349
Ion	Ratio	Lower Upper
180	100	
182	98.4	77.0 115.6
184	30.7	24.2 36.4
145	31.0	23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 25.124 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017591.D
 Acq: 08 Dec 2020 17:01

Tgt Ion:180	Resp:	173872
Ion	Ratio	Lower Upper
180	100	
182	94.3	71.3 106.9
145	30.1	24.0 36.0





#69

Naphthalene

Concen: 26.642 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

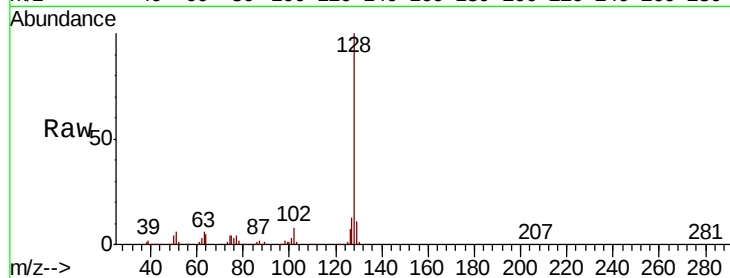
Tot Ion:128 Resp: 289147

Ion Ratio Lower Upper

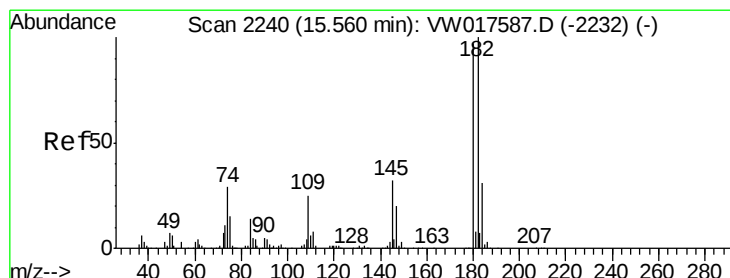
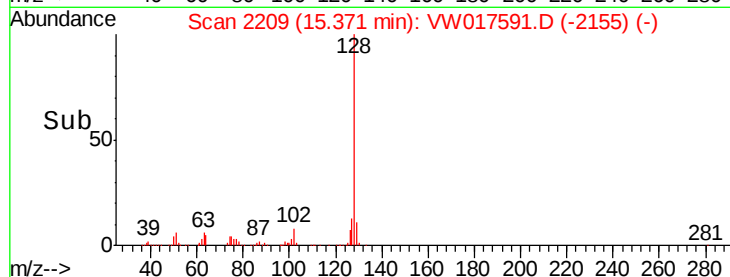
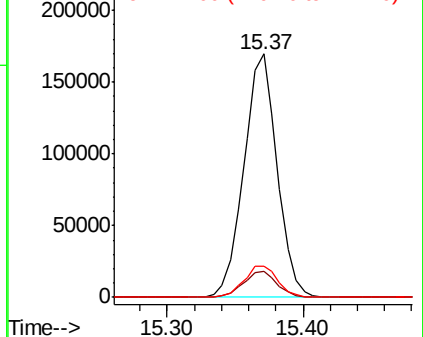
128 100

129 10.9 8.7 13.1

127 13.2 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: 25.704 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017591.D

Acq: 08 Dec 2020 17:01

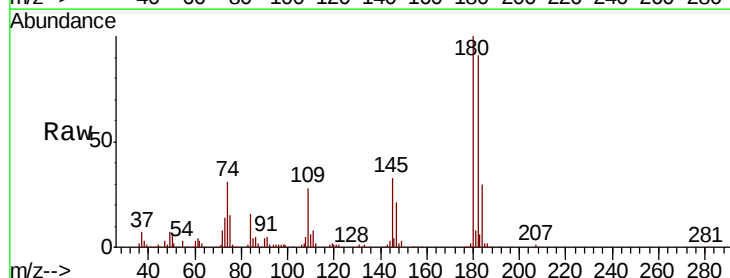
Tgt Ion:180 Resp: 148903

Ion Ratio Lower Upper

180 100

182 95.3 74.7 112.1

145 33.0 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

