

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV100720\
 Data File : VW016795.D
 Acq On : 06 Oct 2020 14:48
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Quant Time: Oct 06 15:33:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 15:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	569677	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	514839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	264565	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142092	25.39	ug/L	0.00
7) Chloroethane-d5	2.89	69	116356	25.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	297917	24.07	ug/L	0.00
20) 2-Butanone-d5	7.09	46	58081	39.39	ug/L	0.00
24) Chloroform-d	7.65	84	291801	24.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	138046	22.52	ug/L	0.00
29) Benzene-d6	8.27	84	578468	24.56	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	151982	23.97	ug/L	0.00
37) Toluene-d8	10.32	98	545818	23.70	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	68728	21.95	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	48472	43.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122526	22.91	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	203224	23.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	180610	25.492 ug/L	100
3) Chloromethane	2.21	50	149538	27.923 ug/L	100
5) Vinyl chloride	2.37	62	202274	26.208 ug/L	100
6) Bromomethane	2.79	94	141062	24.383 ug/L	100
8) Chloroethane	2.93	64	122557	26.694 ug/L	100
9) Trichlorofluoromethane	3.26	101	156032	21.217 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	195942	26.331 ug/L	100
12) 1,1-Dichloroethene	4.05	96	187071	25.580 ug/L	100
13) Acetone	4.14	43	42152	37.520 ug/L	100
14) Carbon disulfide	4.39	76	538480	24.659 ug/L	100
15) Methyl Acetate	4.68	43	54832	21.107 ug/L	100
16) Methylene chloride	4.92	84	175016	19.969 ug/L	100
17) Methyl tert-butyl Ether	5.43	73	202740	21.239 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	192670	25.455 ug/L	100
19) 1,1-Dichloroethane	6.22	63	294734	24.788 ug/L	100
21) 2-Butanone	7.18	43	69158	35.952 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	193370	24.821 ug/L	100
23) Bromochloromethane	7.52	128	89801	23.848 ug/L	100
25) Chloroform	7.68	83	315187	24.386 ug/L	100
27) 1,2-Dichloroethane	8.40	62	187817	22.994 ug/L	100
30) Cyclohexane	7.96	56	276161	24.444 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	275040	23.138 ug/L	100
32) Carbon tetrachloride	8.07	117	273493	23.493 ug/L	100
34) Benzene	8.33	78	696935	24.984 ug/L	100
35) Trichloroethene	9.09	95	197809	24.605 ug/L	100
36) Methylcyclohexane	9.34	83	335431	24.628 ug/L	100
40) 1,2-Dichloropropane	9.37	63	155454	24.112 ug/L	100
41) Bromodichloromethane	9.65	83	217873	23.031 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	252961	23.235 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	154499	39.207 ug/L	100

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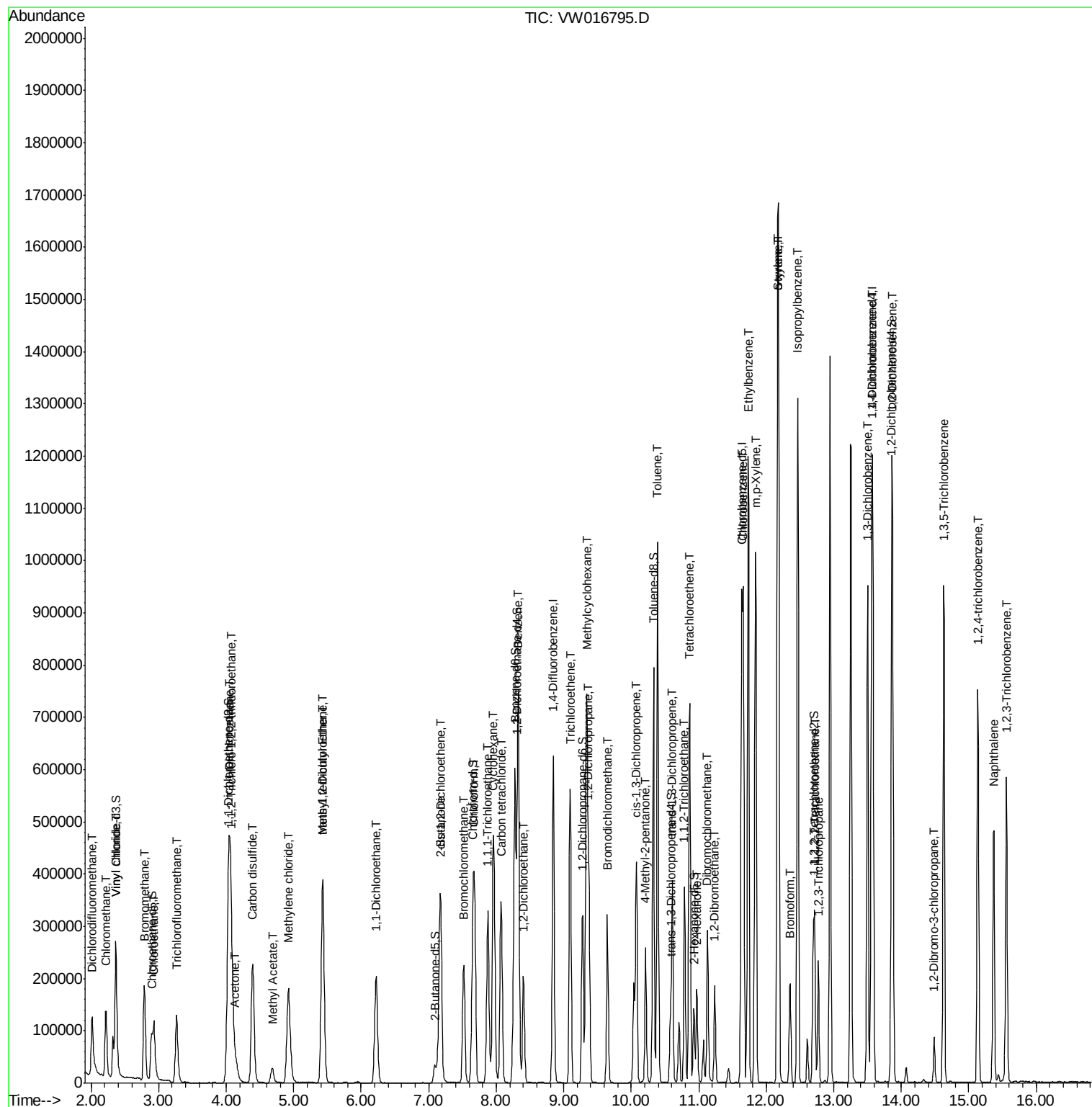
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	770840	24.656	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	212865	22.668	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	124271	23.128	ug/L	100
47) Tetrachloroethene	10.87	164	179959	24.809	ug/L	100
49) 2-Hexanone	10.97	43	103965	41.585	ug/L	100
50) Dibromochloromethane	11.13	129	159215	22.858	ug/L	100
51) 1,2-Dibromoethane	11.24	107	123063	22.924	ug/L	100
52) Chlorobenzene	11.66	112	514150	24.508	ug/L	100
53) Ethylbenzene	11.73	91	864931	24.433	ug/L	100
54) m,p-Xylene	11.84	106	343851	24.741	ug/L	100
55) o-xylene	12.17	106	327534	24.638	ug/L	100
56) Styrene	12.18	104	536606	24.398	ug/L	100
57) Isopropylbenzene	12.47	105	902055	24.807	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	139277	23.237	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	99061	22.370	ug/L	100
62) Bromoform	12.35	173	90477	20.978	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	421344	24.430	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	410541	24.382	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	371869	24.221	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	21511	20.318	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	311934	24.955	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	259818	25.648	ug/L	100
69) Naphthalene	15.37	128	439844	24.814	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	224019	25.718	ug/L	100

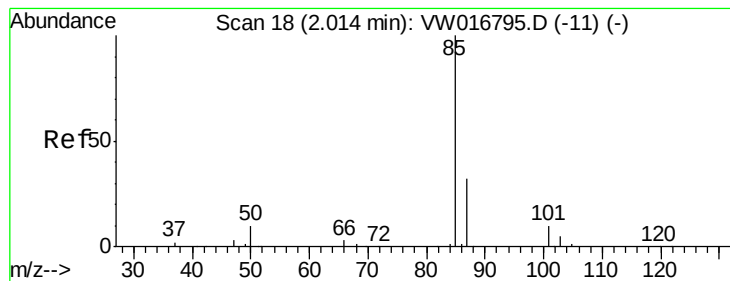
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.492 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

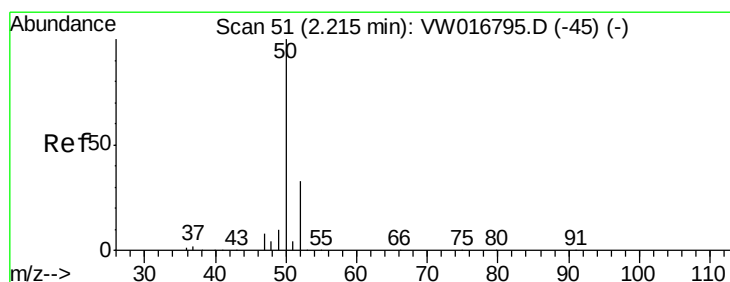
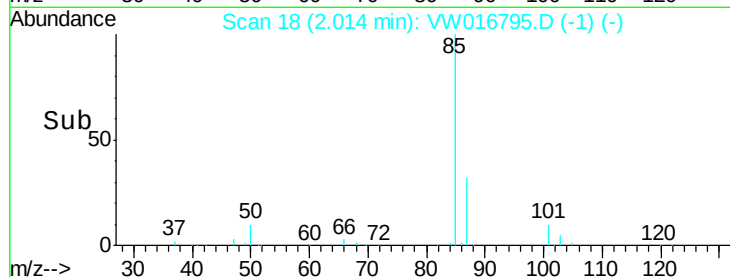
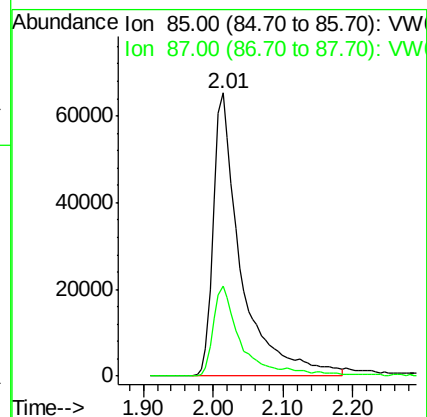
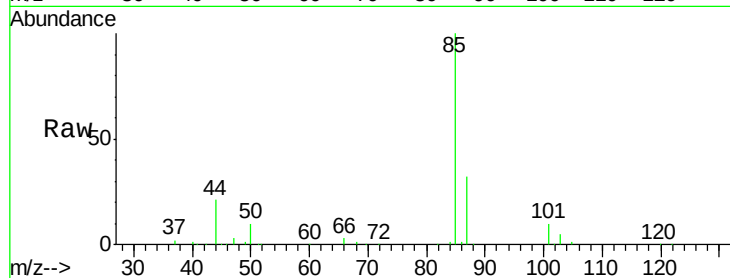
VSTD02504

Tgt Ion: 85 Resp: 180610

Ion Ratio Lower Upper

85 100

87 29.1 20.4 37.8



#3

Chloromethane

Concen: 27.923 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016795.D

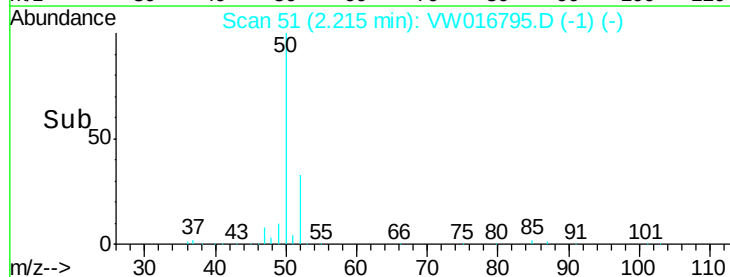
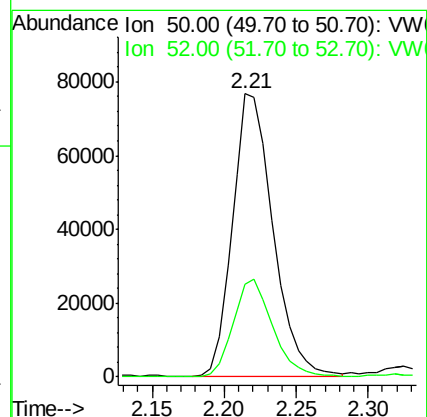
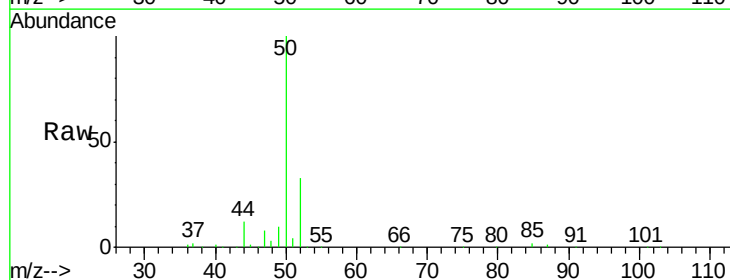
Acq: 06 Oct 2020 14:48

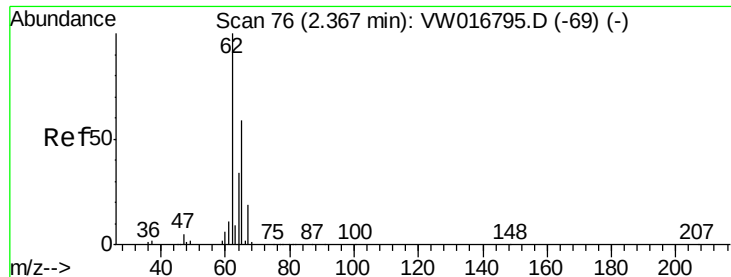
Tgt Ion: 50 Resp: 149538

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3





#5

Vinyl chloride

Concen: 26.208 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

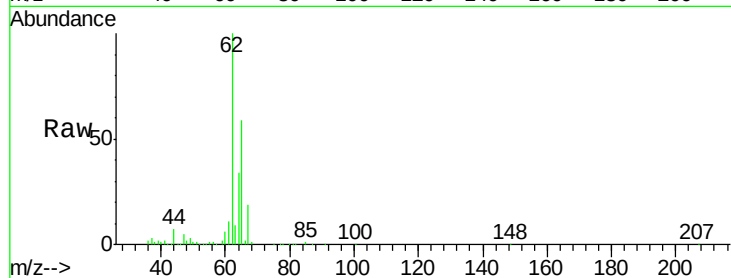
VSTD02504

Tgt Ion: 62 Resp: 202274

Ion Ratio Lower Upper

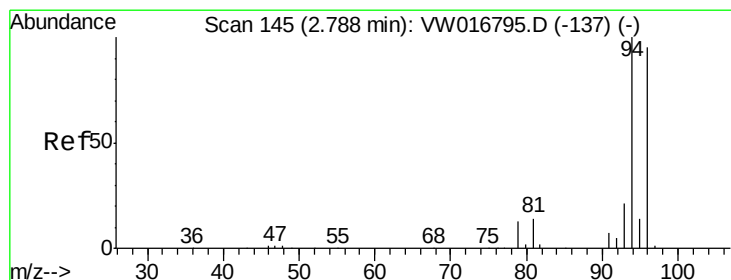
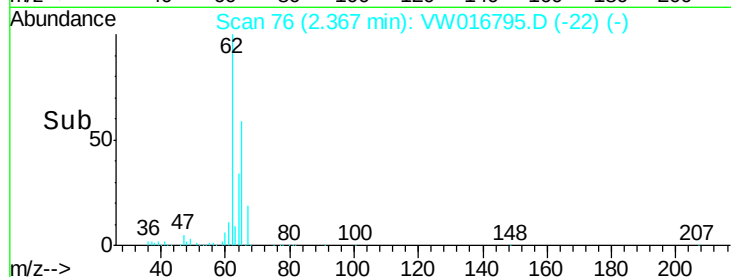
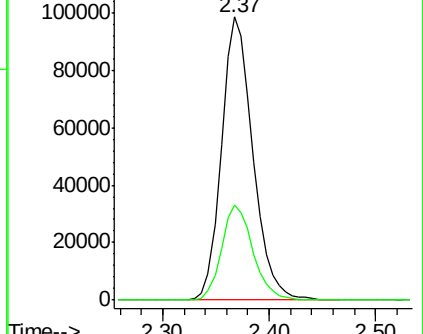
62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.383 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016795.D

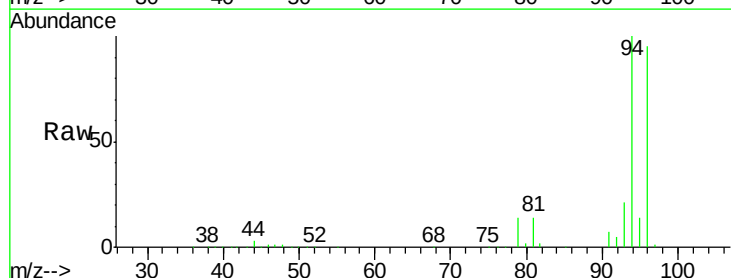
Acq: 06 Oct 2020 14:48

Tgt Ion: 94 Resp: 141062

Ion Ratio Lower Upper

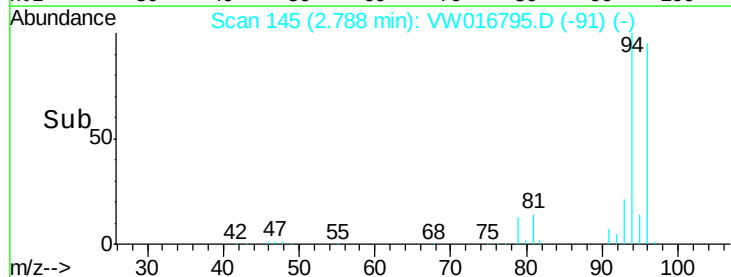
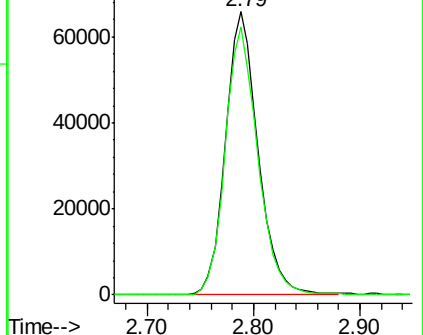
94 100

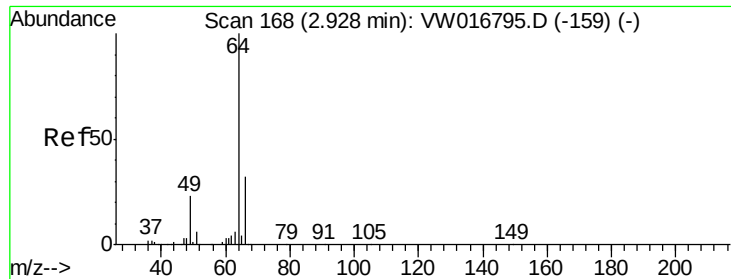
96 95.1 9.5 180.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 26.694 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

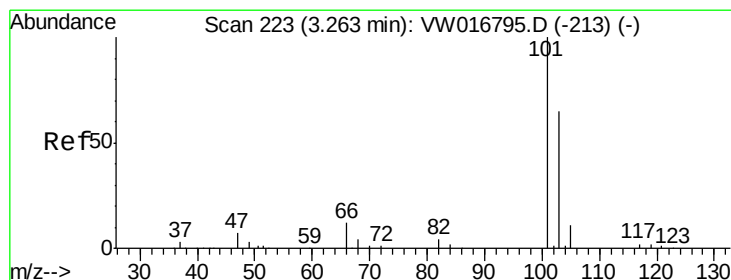
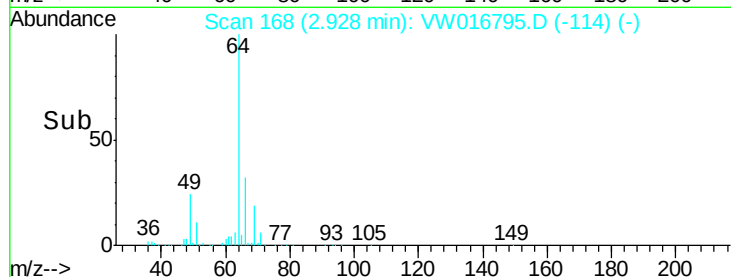
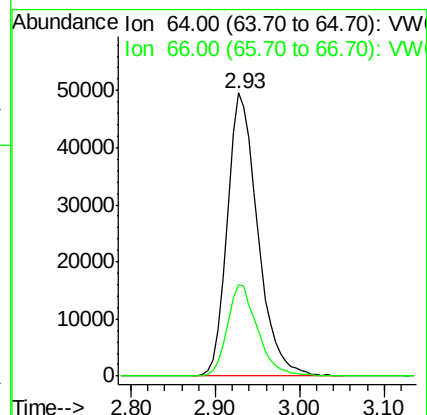
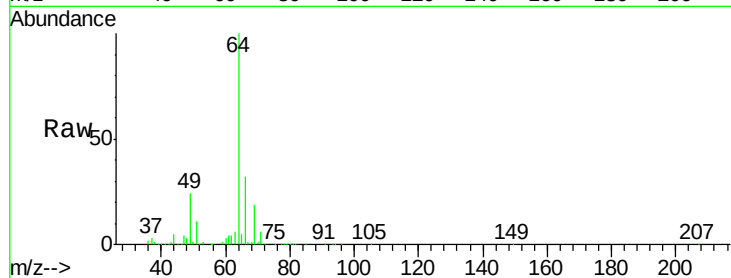
VSTD02504

Tgt Ion: 64 Resp: 122557

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 21.217 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016795.D

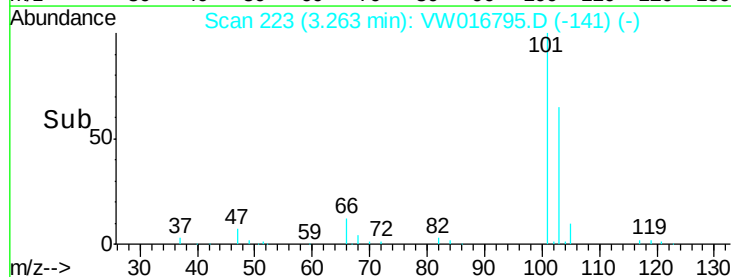
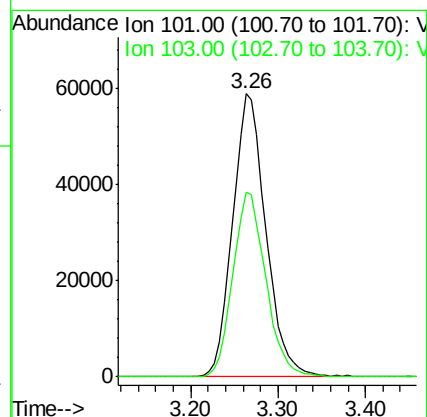
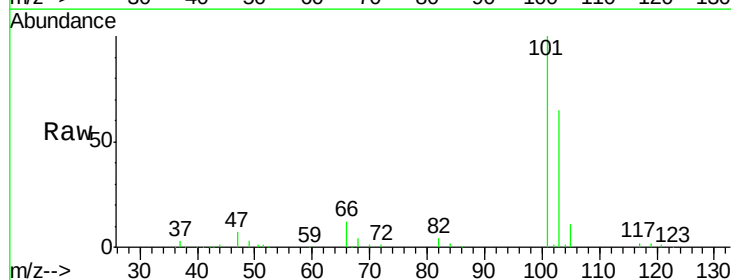
Acq: 06 Oct 2020 14:48

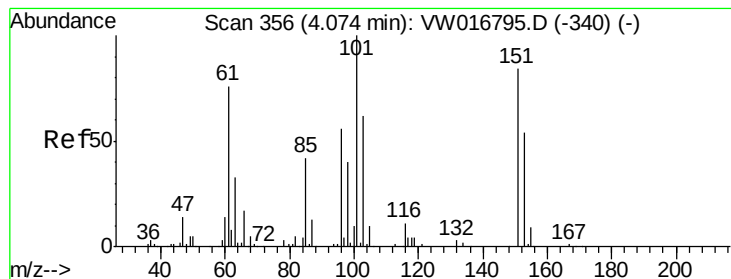
Tgt Ion: 101 Resp: 156032

Ion Ratio Lower Upper

101 100

103 64.6 45.2 84.0





#11

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

Concen: 26.331 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

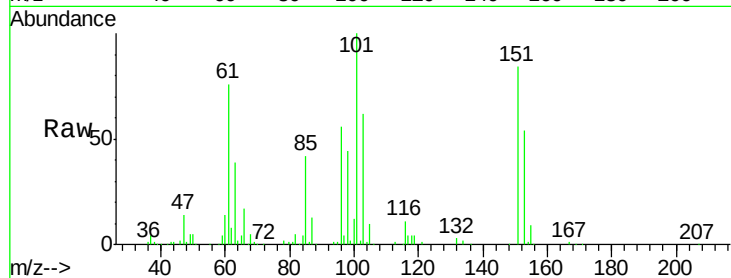
Tgt Ion: 101 Resp: 195942

Ion Ratio Lower Upper

101 100

85 39.6 31.7 47.5

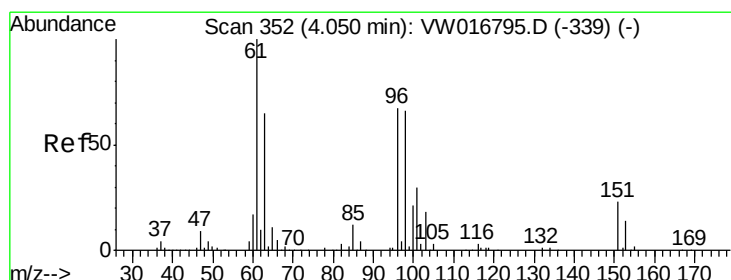
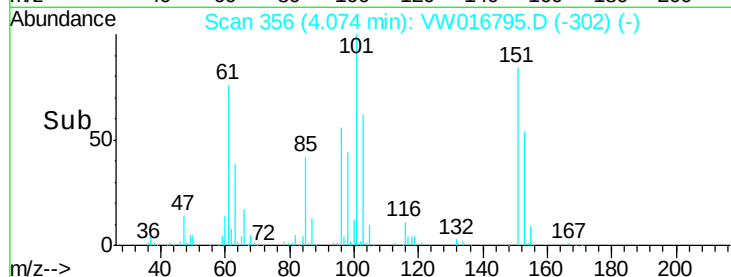
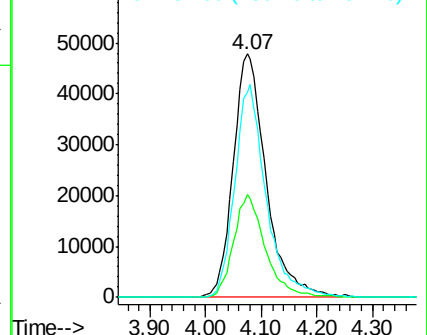
151 83.2 66.6 99.8



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: 25.580 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

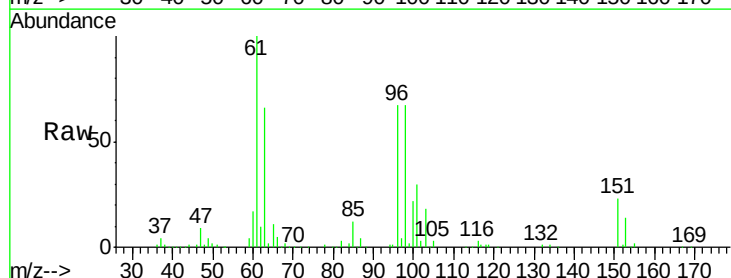
Tgt Ion: 96 Resp: 187071

Ion Ratio Lower Upper

96 100

61 150.1 105.1 195.1

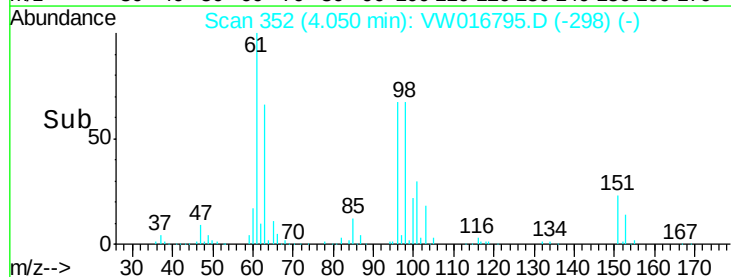
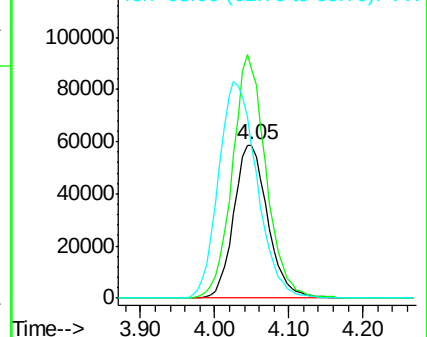
63 99.8 69.9 129.7

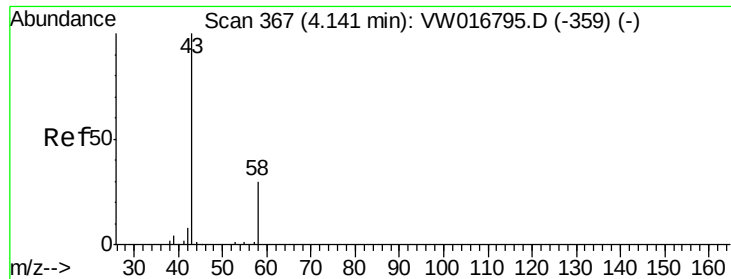


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.520 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

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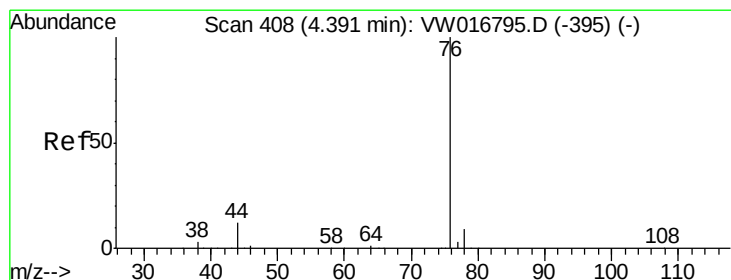
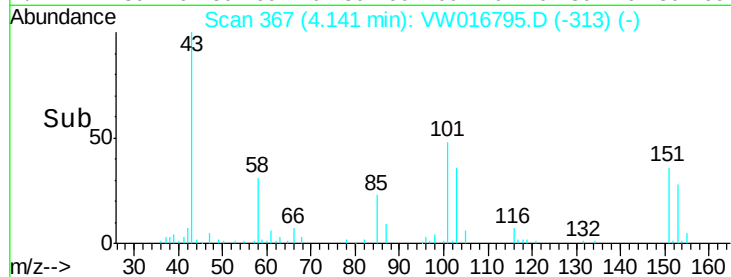
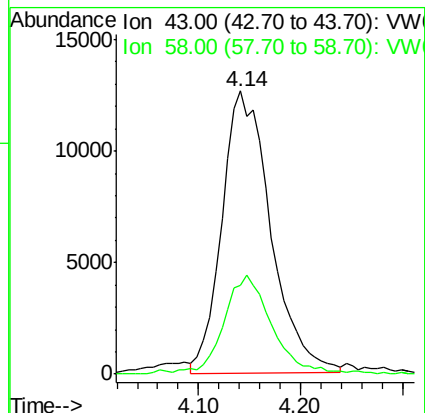
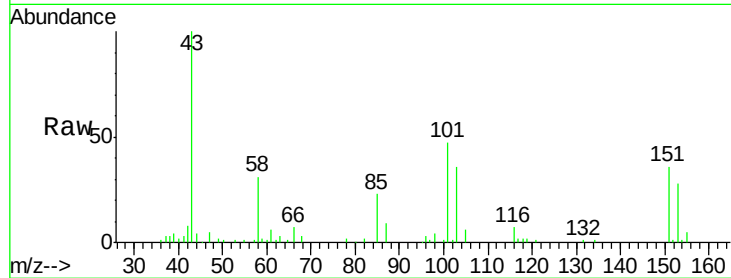
VSTD02504

Tgt Ion: 43 Resp: 42152

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.6



#14

Carbon disulfide

Concen: 24.659 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016795.D

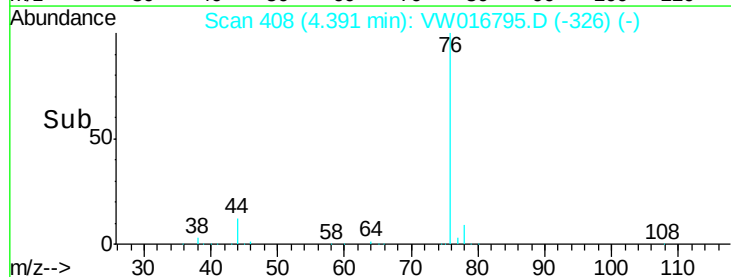
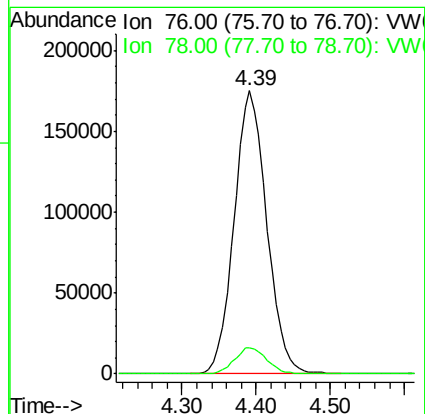
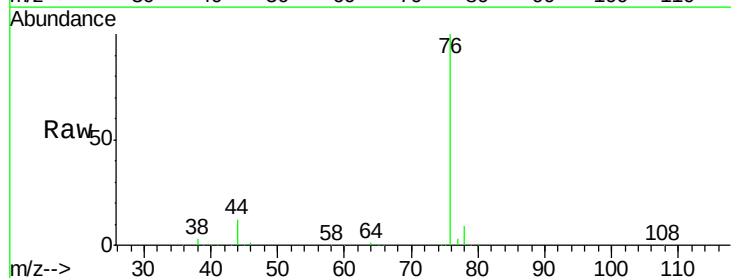
Acq: 06 Oct 2020 14:48

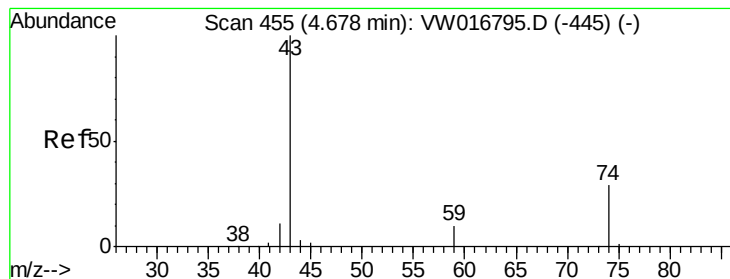
Tgt Ion: 76 Resp: 538480

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 21.107 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

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ClientSampleId :

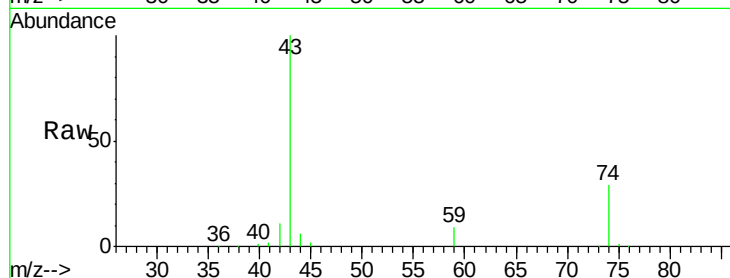
VSTD02504

Tgt Ion: 43 Resp: 54832

Ion Ratio Lower Upper

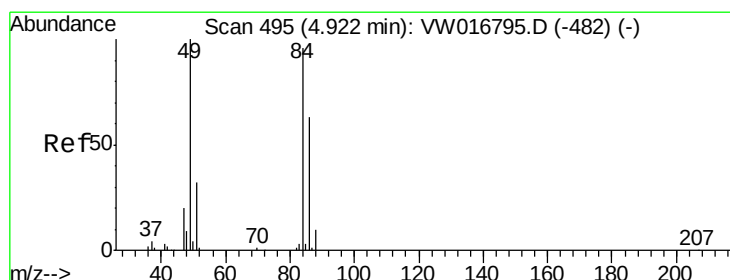
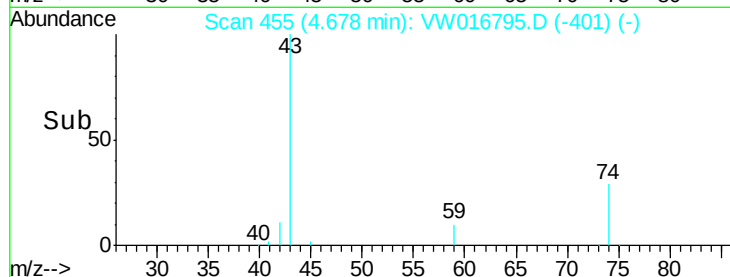
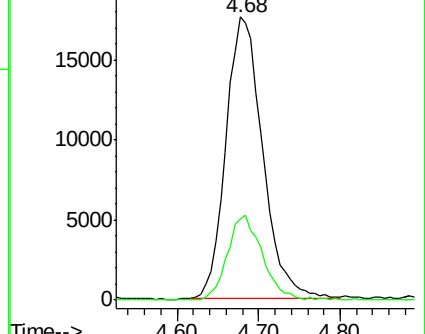
43 100

74 28.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 19.969 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

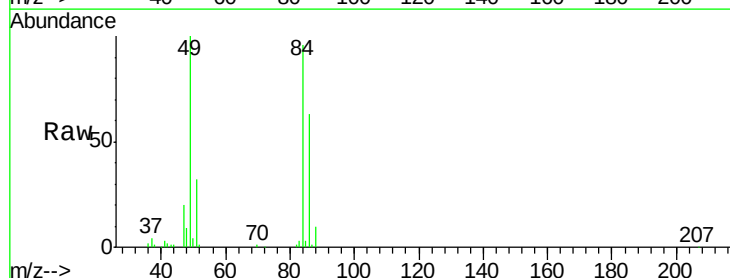
Tgt Ion: 84 Resp: 175016

Ion Ratio Lower Upper

84 100

49 104.5 73.1 135.8

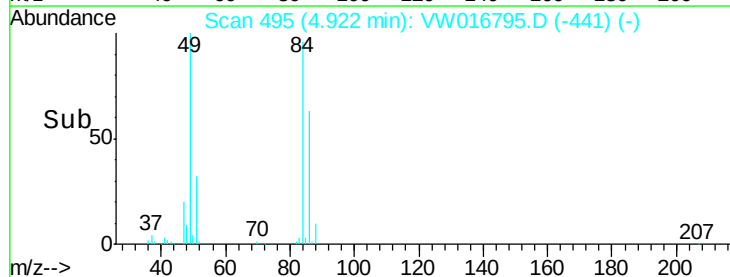
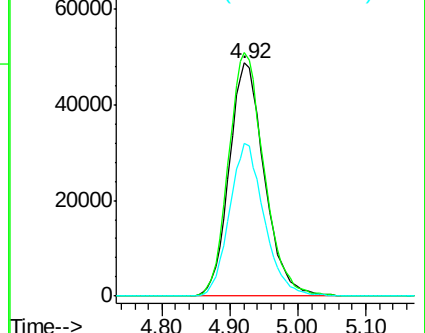
86 65.7 46.0 85.4

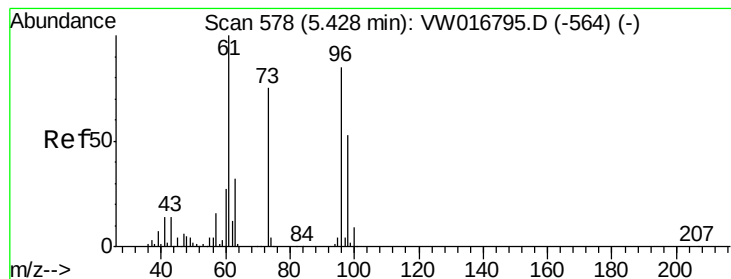


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

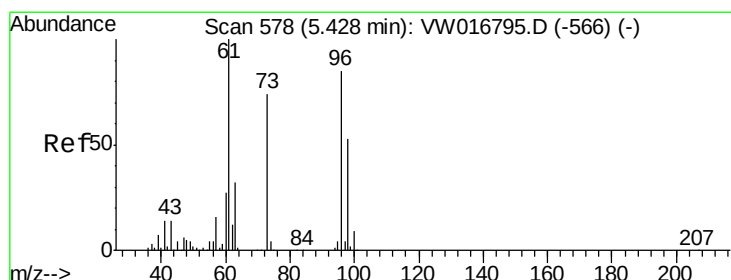
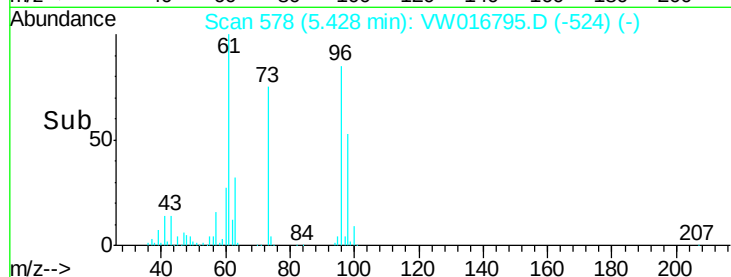
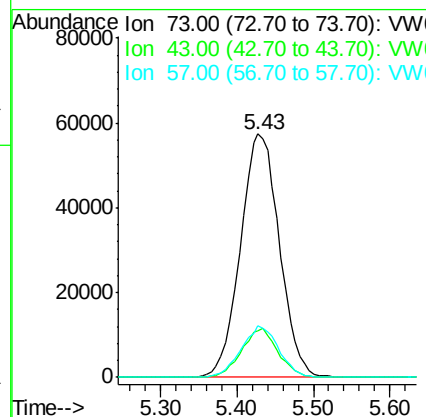
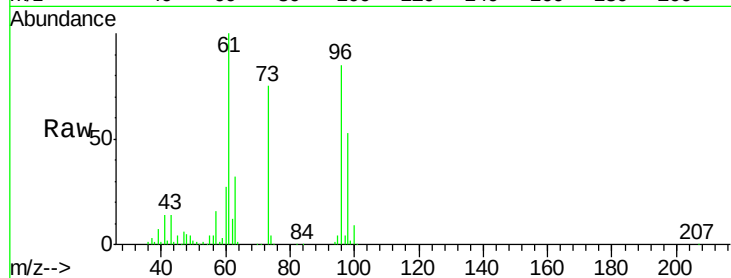




#17
Methyl tert-butyl Ether
Concen: 21.239 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

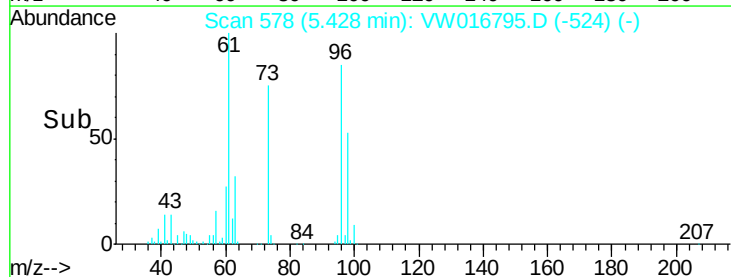
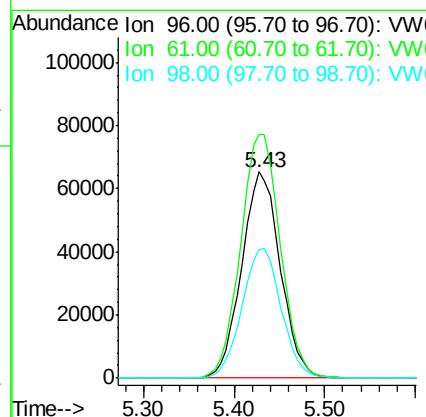
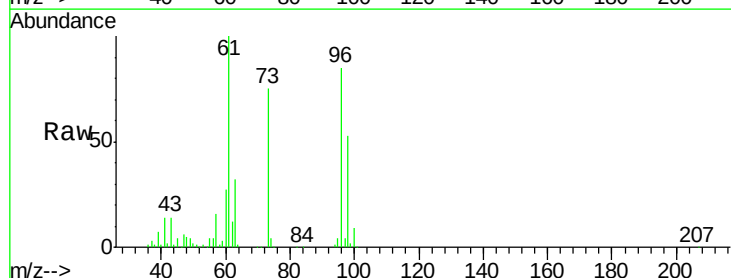
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

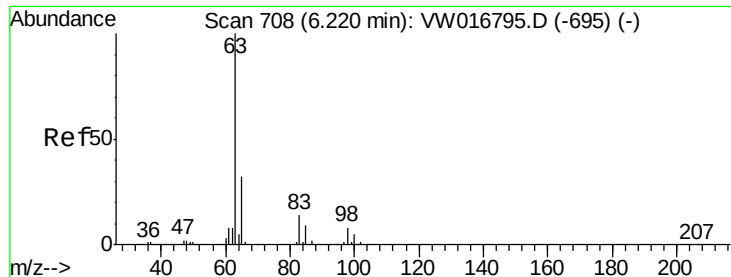
Tgt Ion: 73 Resp: 202740
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.4
57 20.5 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 25.455 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

Tgt Ion: 96 Resp: 192670
Ion Ratio Lower Upper
96 100
61 117.9 82.5 153.3
98 61.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 24.788 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

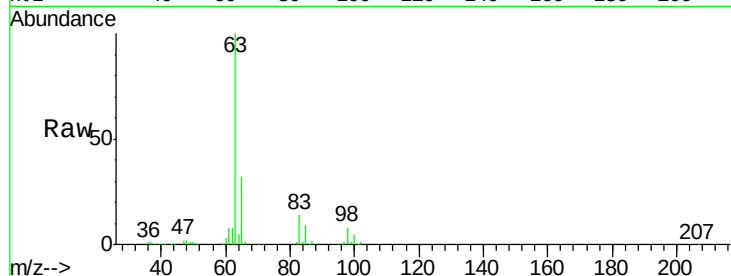
Tgt Ion: 63 Resp: 294734

Ion Ratio Lower Upper

63 100

65 32.4 22.7 42.1

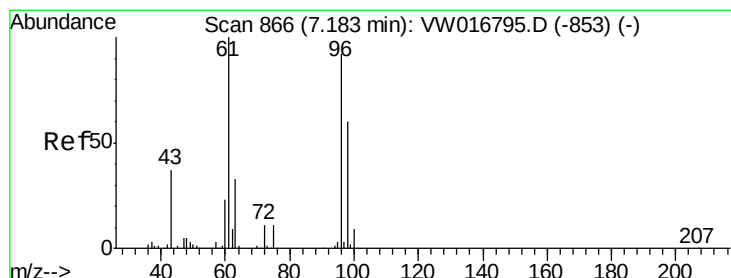
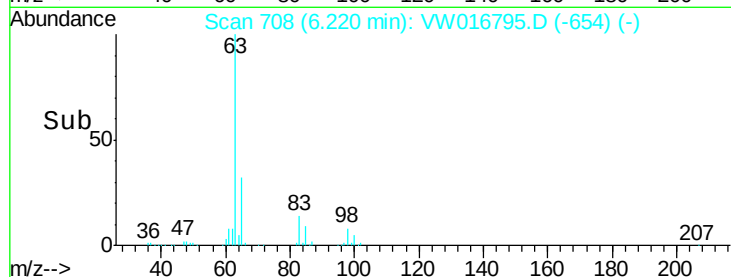
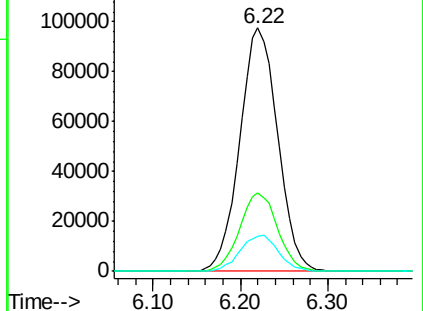
83 14.2 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 35.952 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016795.D

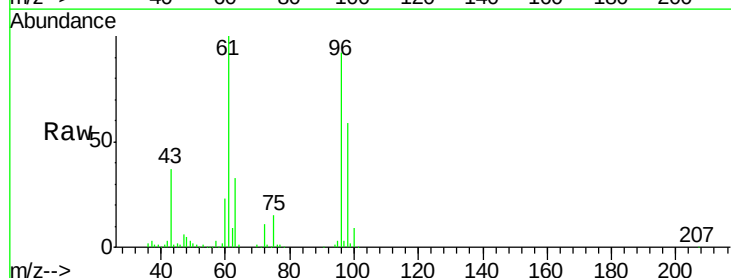
Acq: 06 Oct 2020 14:48

Tgt Ion: 43 Resp: 69158

Ion Ratio Lower Upper

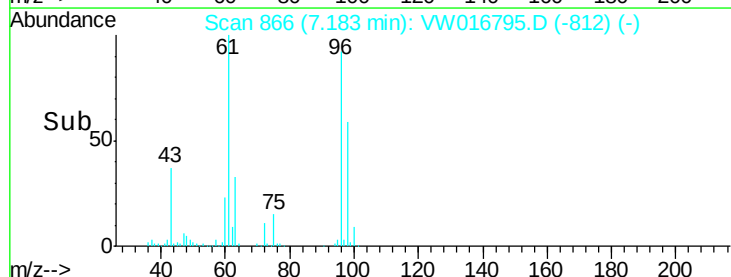
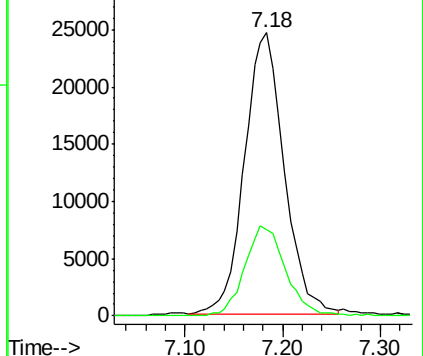
43 100

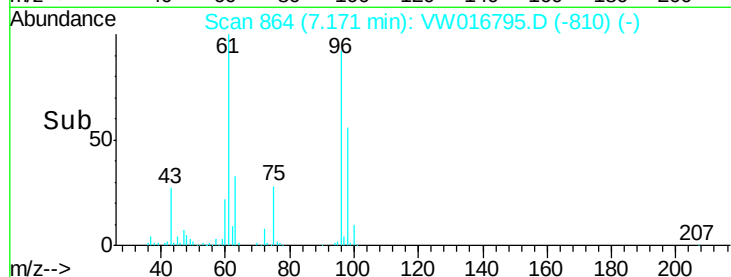
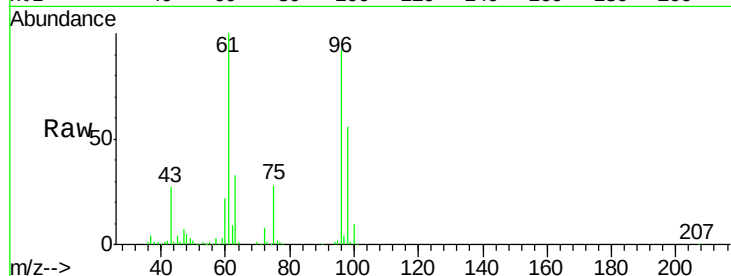
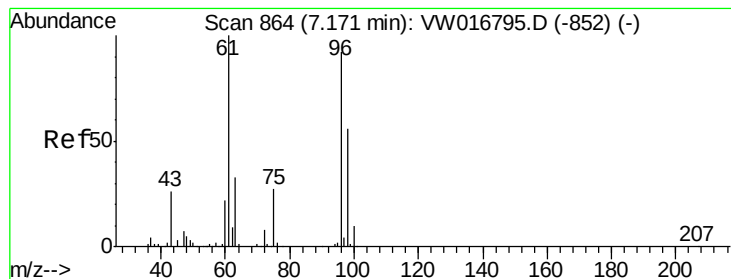
72 32.3 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



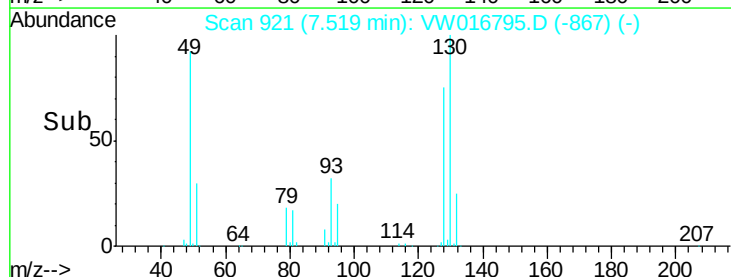
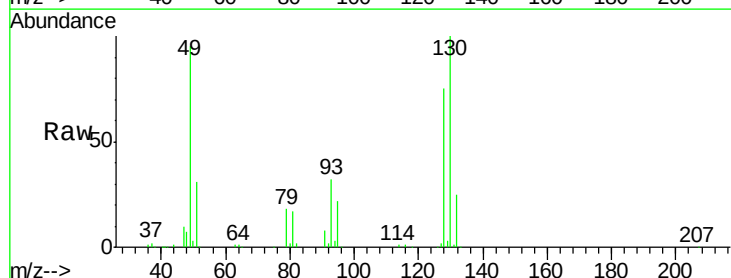
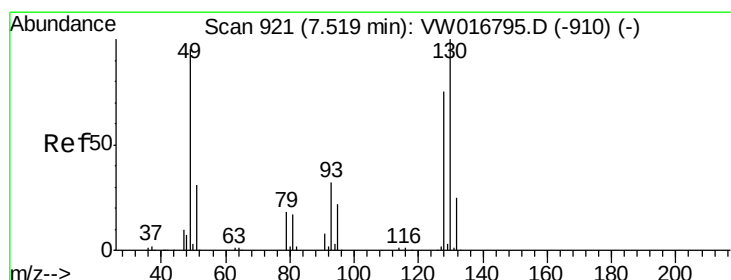
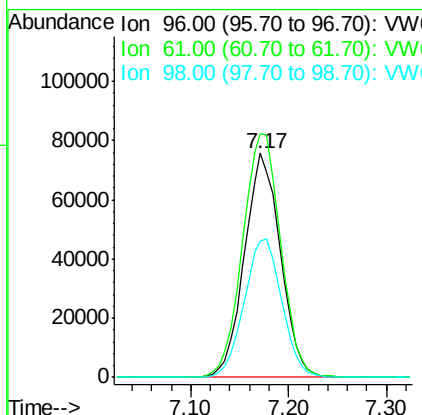


#22

cis-1,2-Dichloroethene
Concen: 24.821 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

Instrument :
MSVOA_W
ClientSampled :
VSTD02504

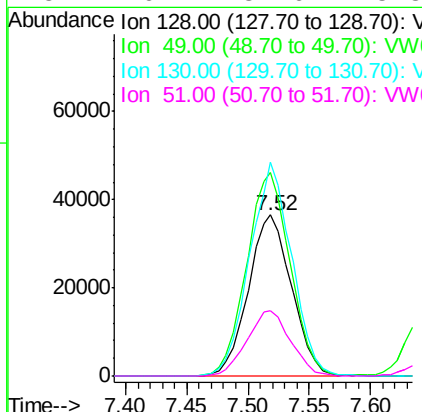
Tgt Ion: 96 Resp: 193370
Ion Ratio Lower Upper
96 100
61 108.6 76.0 141.2
98 61.0 42.7 79.3

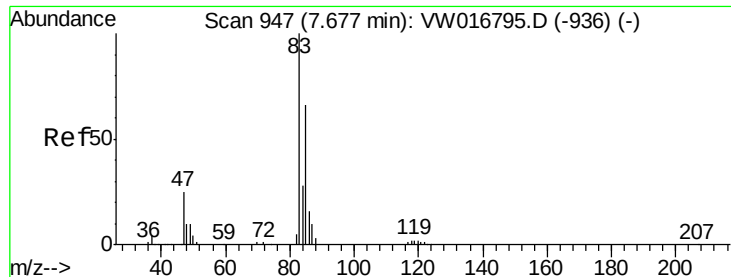


#23

Bromochloromethane
Concen: 23.848 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

Tgt Ion: 128 Resp: 89801
Ion Ratio Lower Upper
128 100
49 126.4 88.5 164.3
130 132.7 92.9 172.5
51 40.7 32.6 48.8

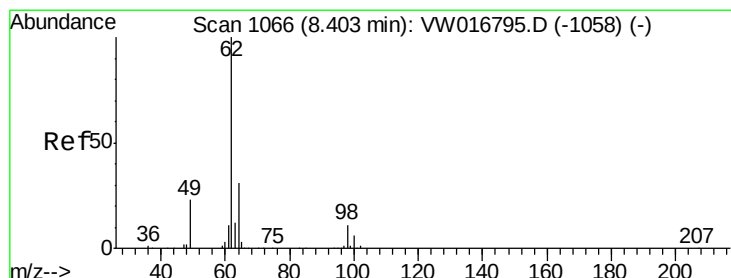
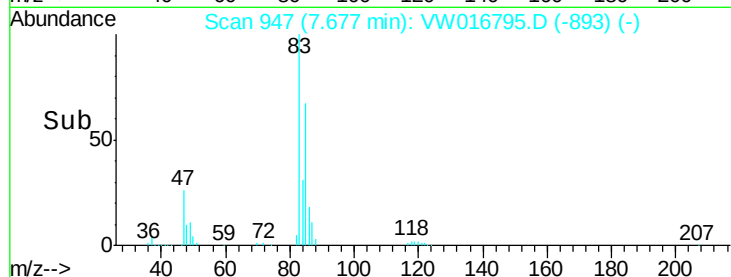
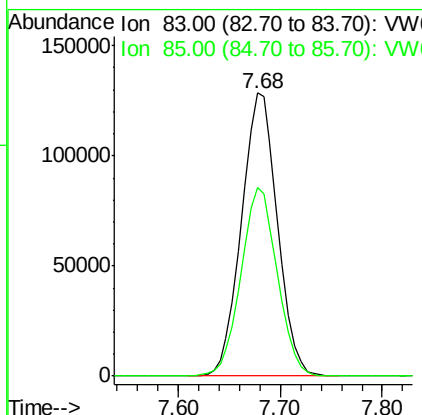
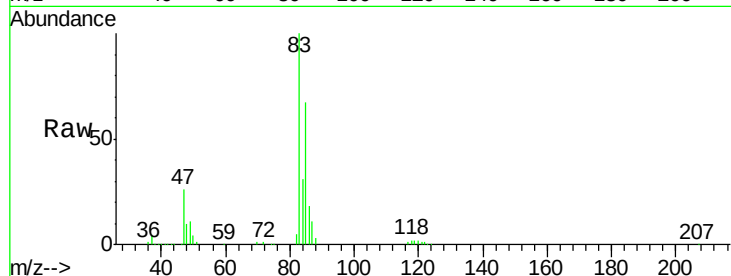




#25
Chloroform
Concen: 24.386 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

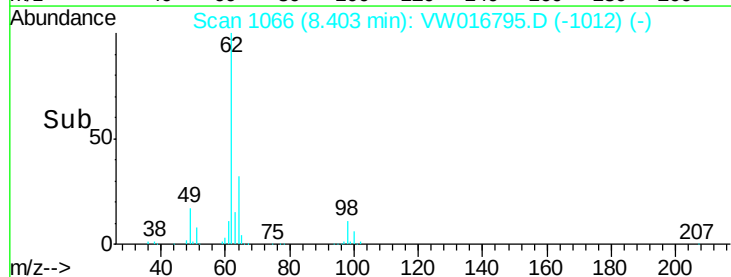
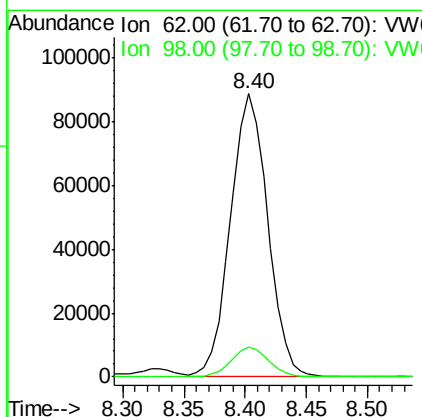
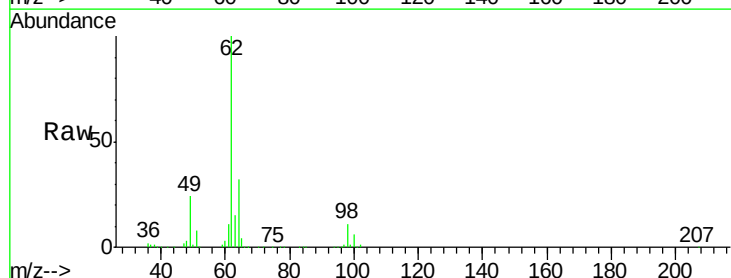
Instrument :
MSVOA_W
ClientSampled :
VSTD02504

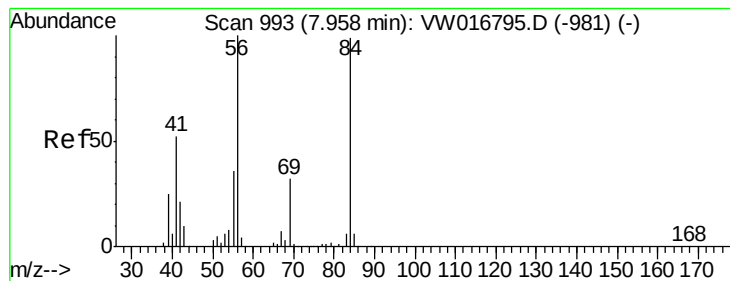
Tgt Ion: 83 Resp: 315187
Ion Ratio Lower Upper
83 100
85 67.0 46.9 87.1



#27
1,2-Dichloroethane
Concen: 22.994 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

Tgt Ion: 62 Resp: 187817
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8





#30

Cyclohexane

Concen: 24.444 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

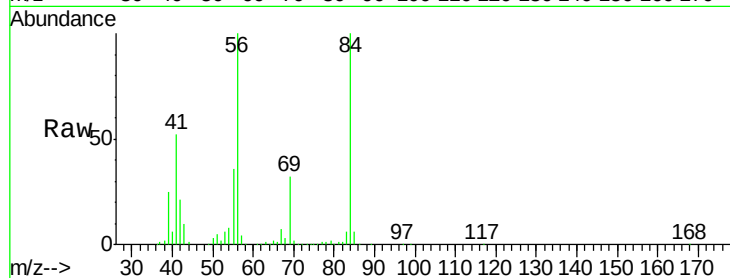
Tgt Ion: 56 Resp: 276161

Ion Ratio Lower Upper

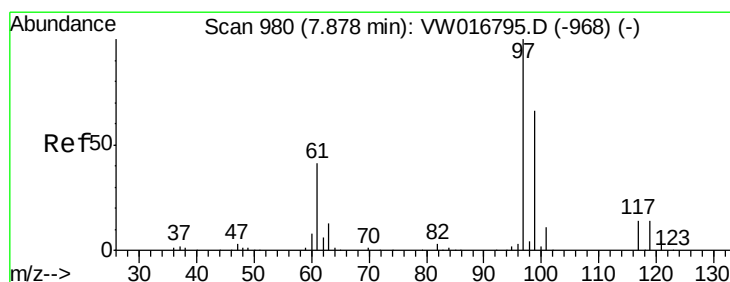
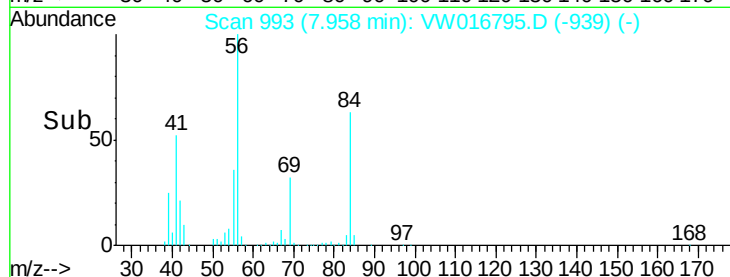
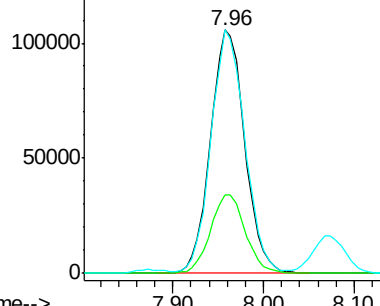
56 100

69 32.6 26.1 39.1

84 99.1 79.3 118.9



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: 23.138 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

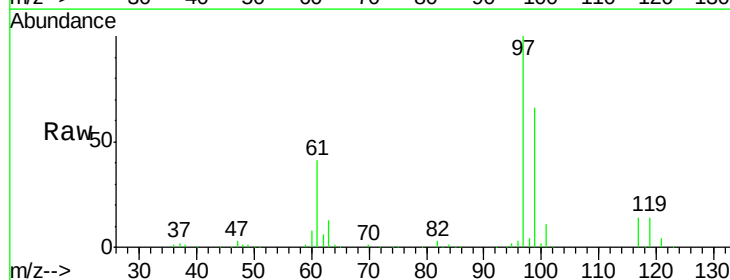
Tgt Ion: 97 Resp: 275040

Ion Ratio Lower Upper

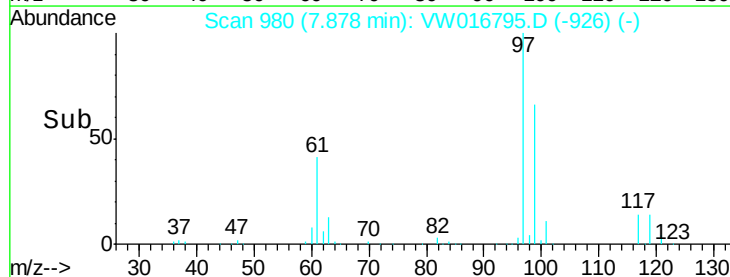
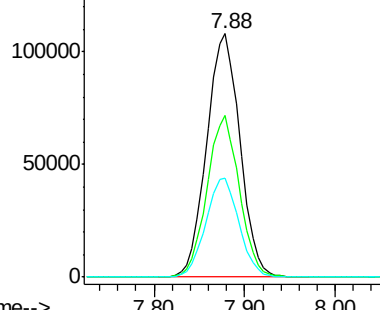
97 100

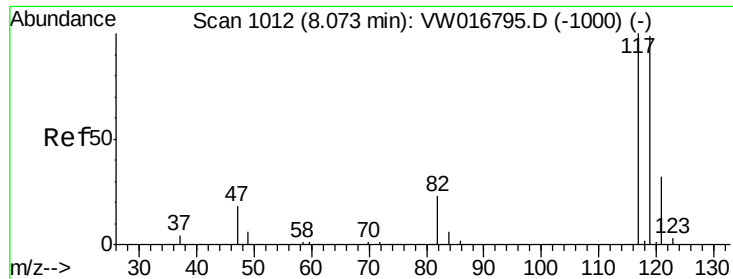
99 64.4 51.5 77.3

61 40.6 32.5 48.7



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: 23.493 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

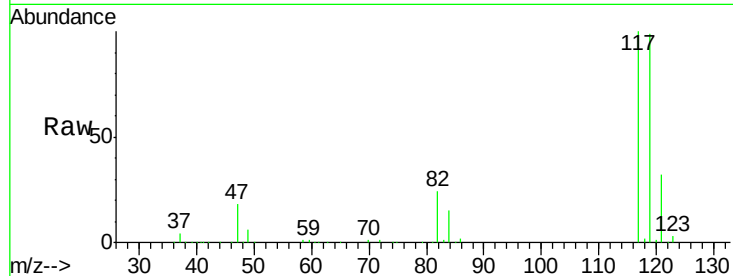
VSTD02504

Tgt Ion:117 Resp: 273493

Ion Ratio Lower Upper

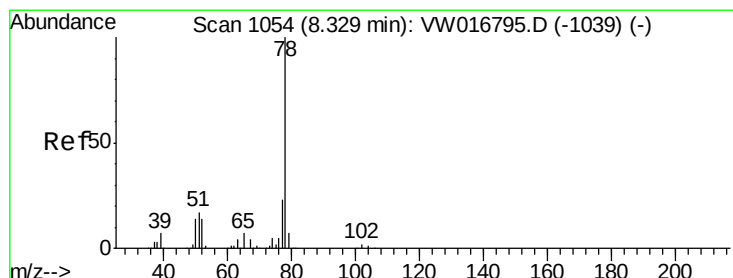
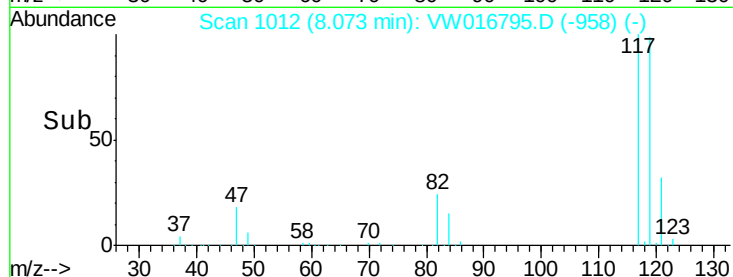
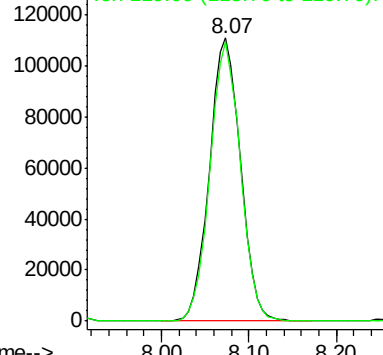
117 100

119 96.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.984 ug/L

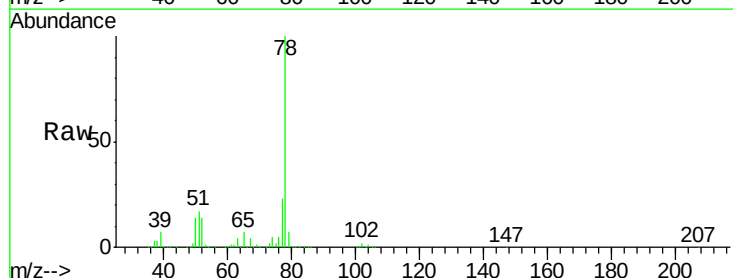
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

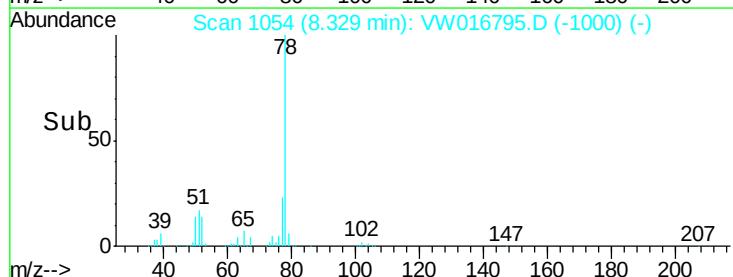
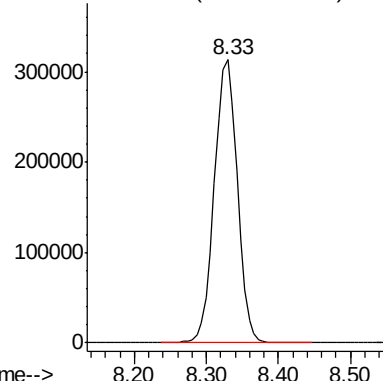
Lab File: VW016795.D

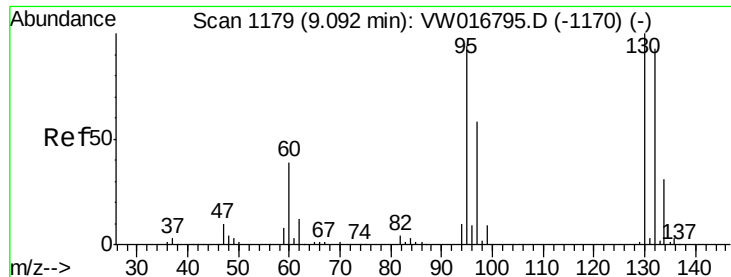
Acq: 06 Oct 2020 14:48

Tgt Ion: 78 Resp: 696935



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.605 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 95 Resp: 197809

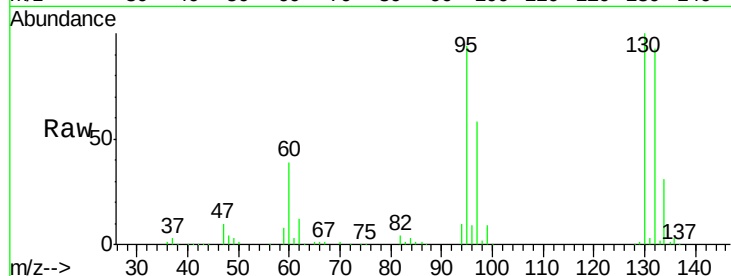
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 105.5 73.8 137.2

130 110.2 77.1 143.3

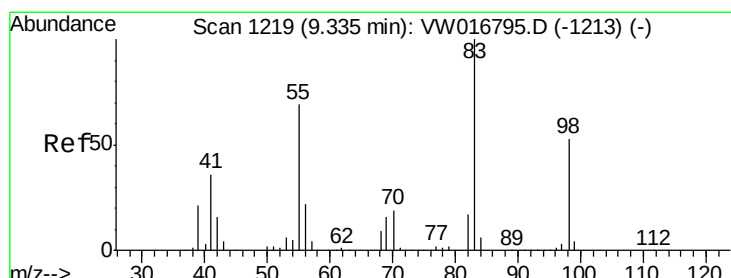
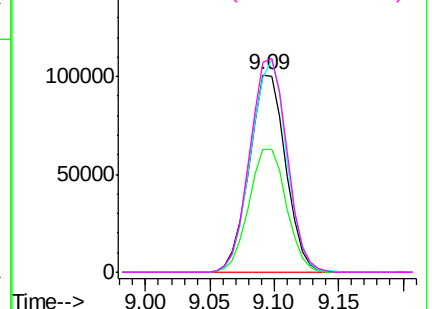
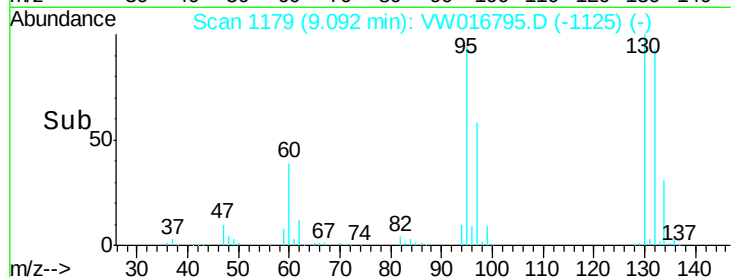


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.628 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

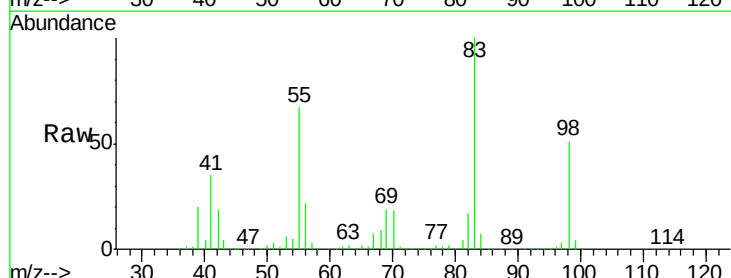
Tgt Ion: 83 Resp: 335431

Ion Ratio Lower Upper

83 100

55 67.8 54.2 81.4

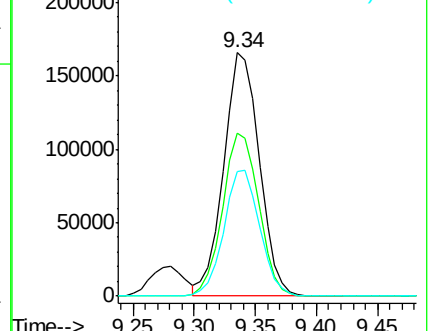
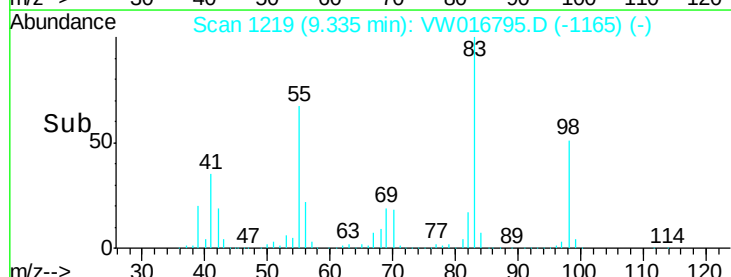
98 51.8 41.4 62.2

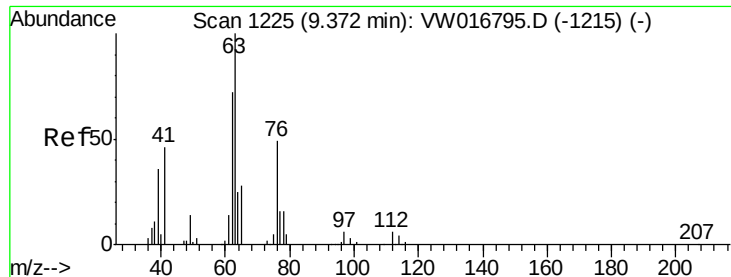


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.112 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

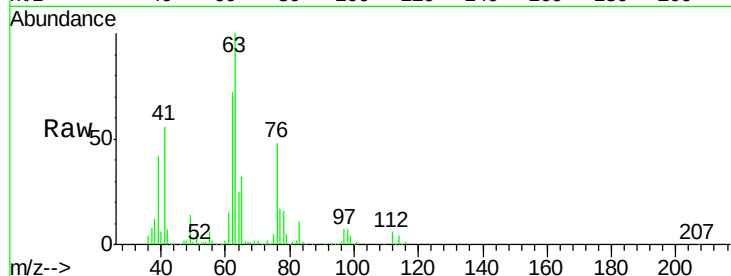
VSTD02504

Tgt Ion: 63 Resp: 155454

Ion Ratio Lower Upper

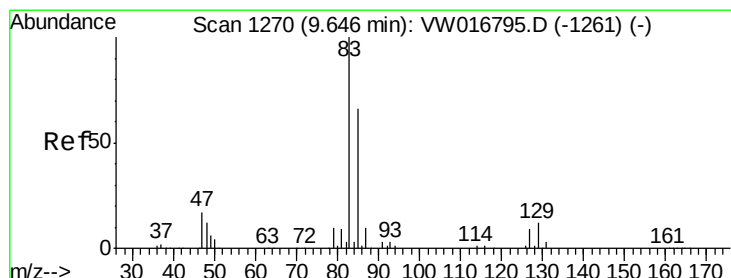
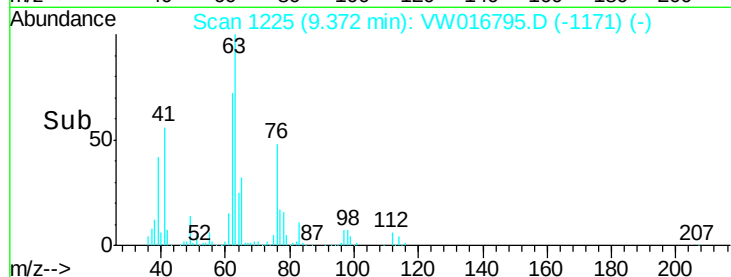
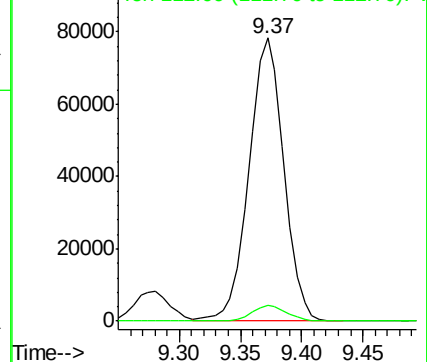
63 100

112 5.6 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.031 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

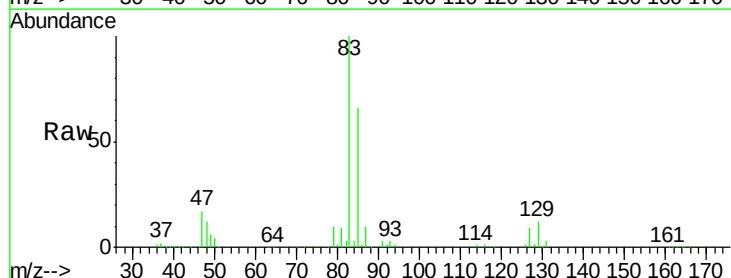
Tgt Ion: 83 Resp: 217873

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8

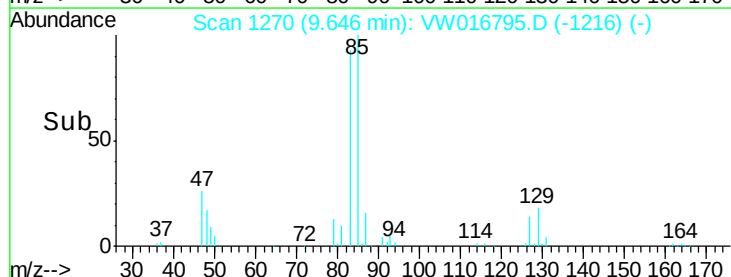
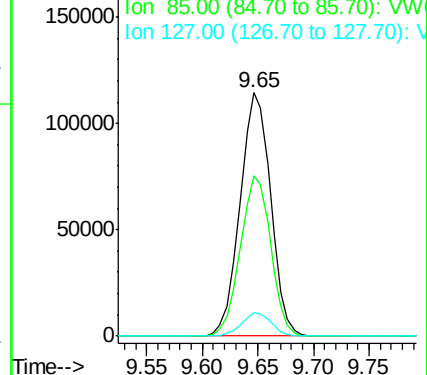
127 9.4 7.5 11.3

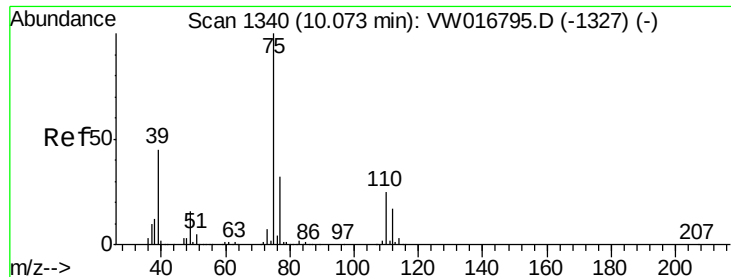


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.235 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampled :

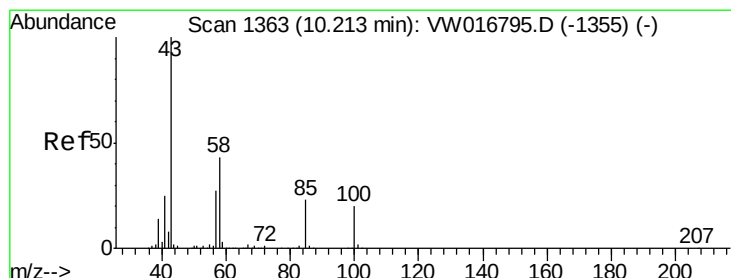
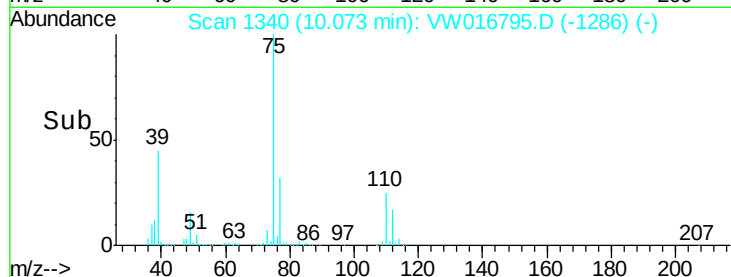
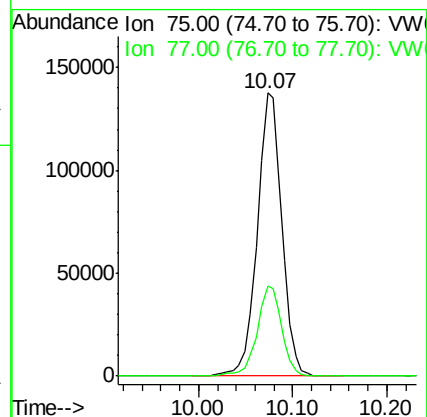
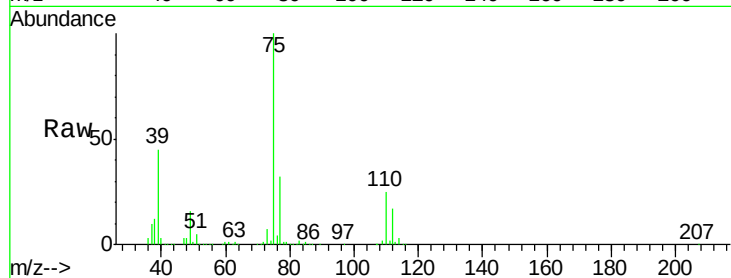
VSTD02504

Tgt Ion: 75 Resp: 252961

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 39.207 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

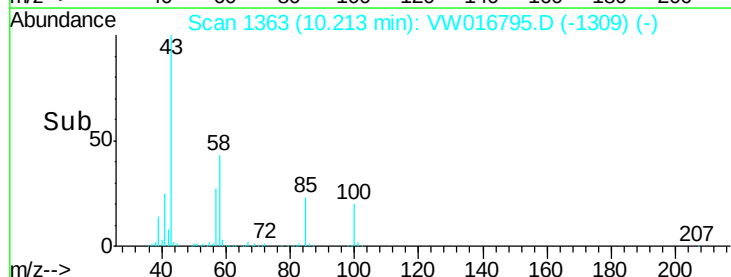
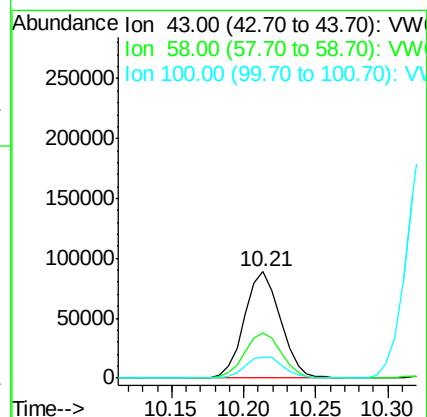
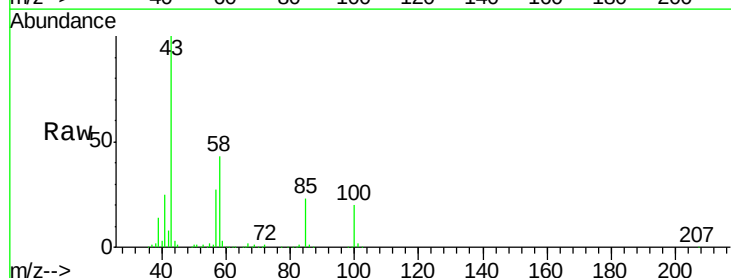
Tgt Ion: 43 Resp: 154499

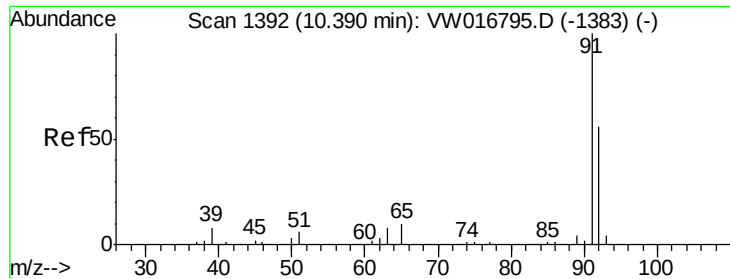
Ion Ratio Lower Upper

43 100

58 43.4 34.7 52.1

100 21.1 16.9 25.3





#44

Toluene

Concen: 24.656 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampled :

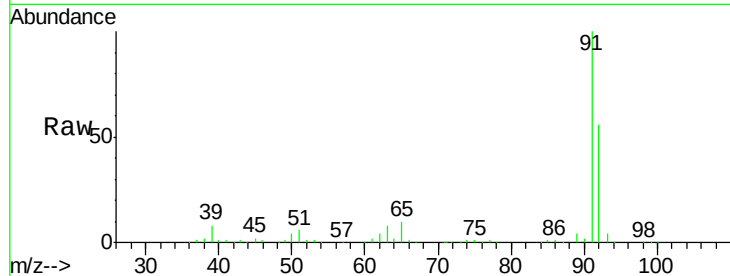
VSTD02504

Tgt Ion: 91 Resp: 770840

Ion Ratio Lower Upper

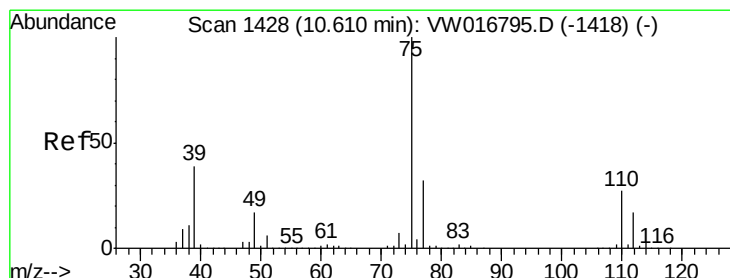
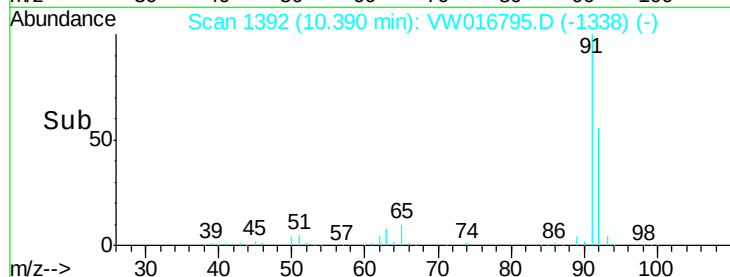
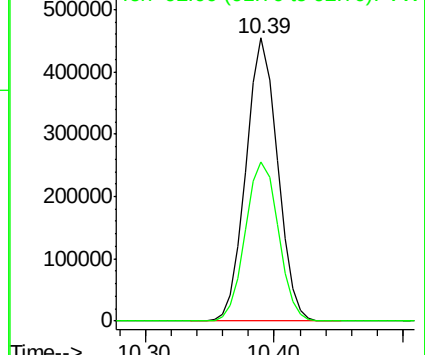
91 100

92 56.3 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 22.668 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016795.D

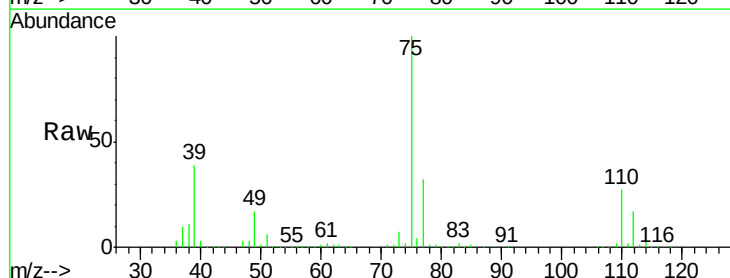
Acq: 06 Oct 2020 14:48

Tgt Ion: 75 Resp: 212865

Ion Ratio Lower Upper

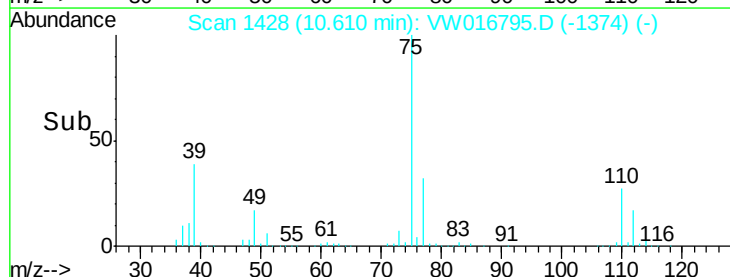
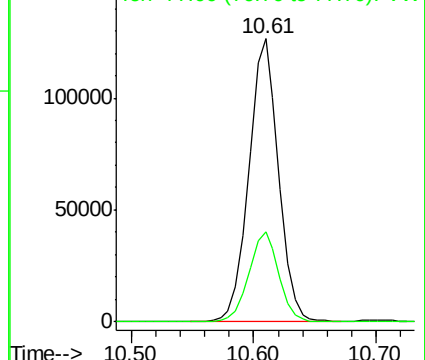
75 100

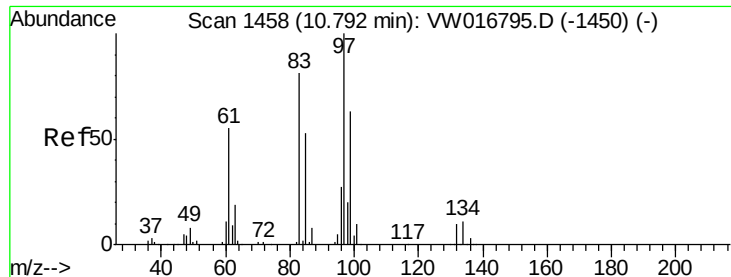
77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

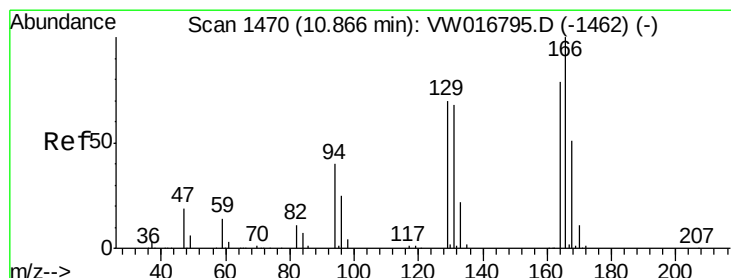
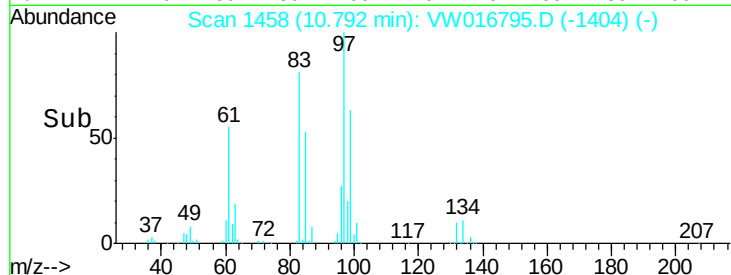
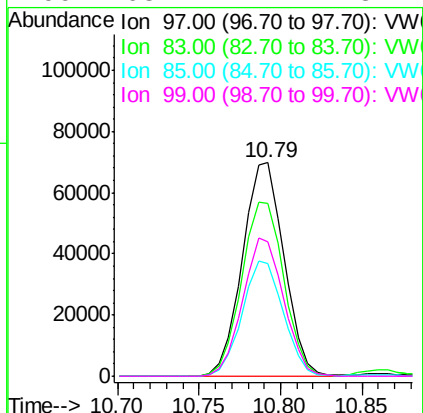
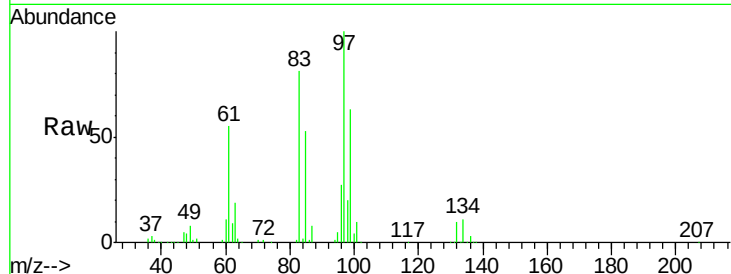




#46
 1,1,2-Trichloroethane
 Concen: 23.128 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

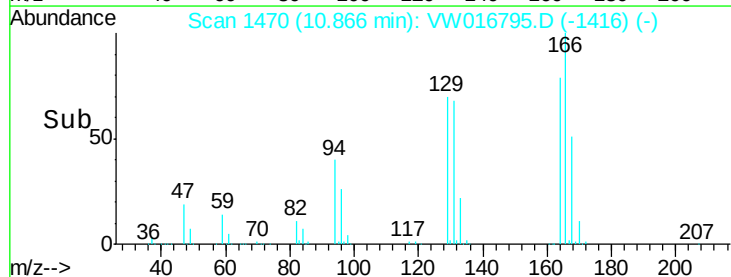
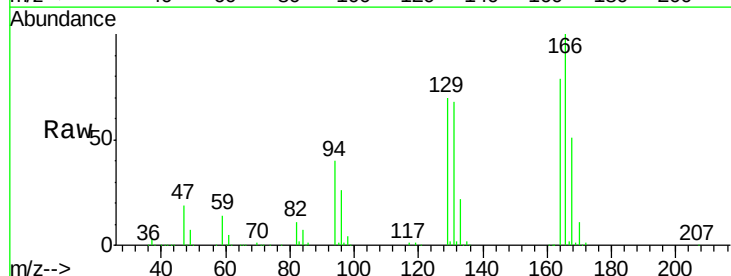
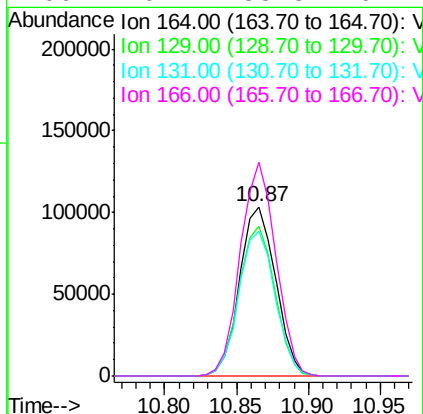
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

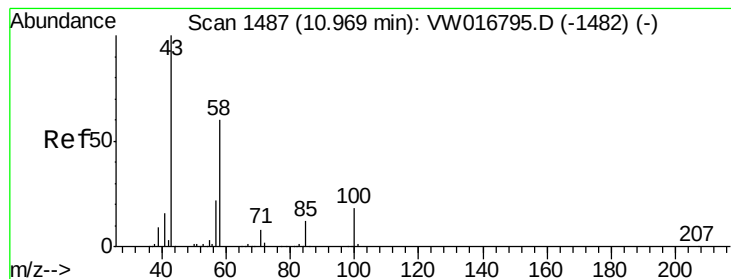
Tgt Ion: 97 Resp: 124271
 Ion Ratio Lower Upper
 97 100
 83 81.1 56.8 105.4
 85 52.8 37.0 68.6
 99 63.2 44.2 82.2



#47
 Tetrachloroethene
 Concen: 24.809 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion: 164 Resp: 179959
 Ion Ratio Lower Upper
 164 100
 129 88.2 61.7 114.7
 131 85.3 59.7 110.9
 166 126.2 88.3 164.1





#49

2-Hexanone

Concen: 41.585 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

Tgt Ion: 43 Resp: 103965

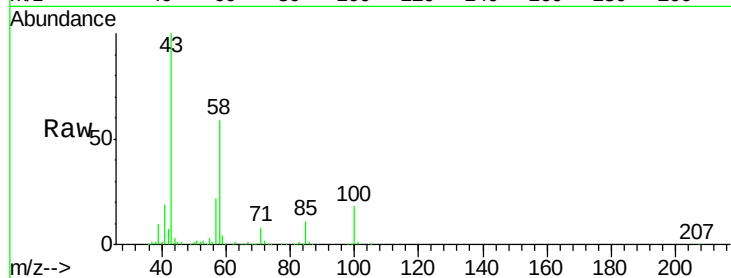
Ion Ratio Lower Upper

43 100

58 58.9 47.1 70.7

57 20.3 16.2 24.4

100 16.6 13.3 19.9



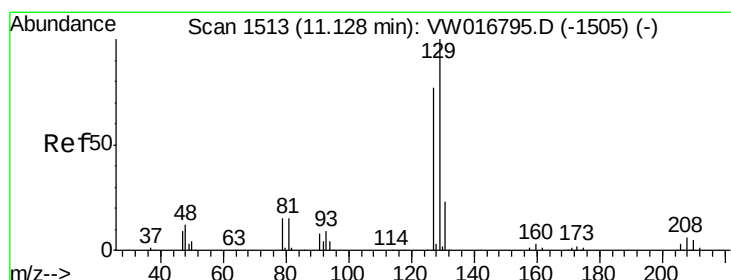
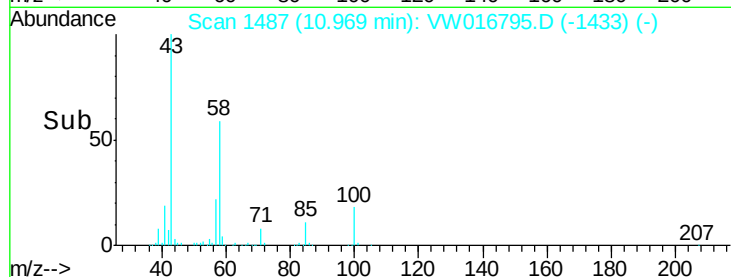
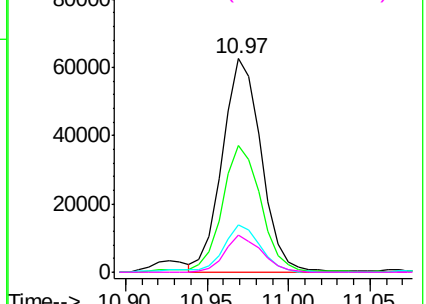
Abundance

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: 22.858 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016795.D

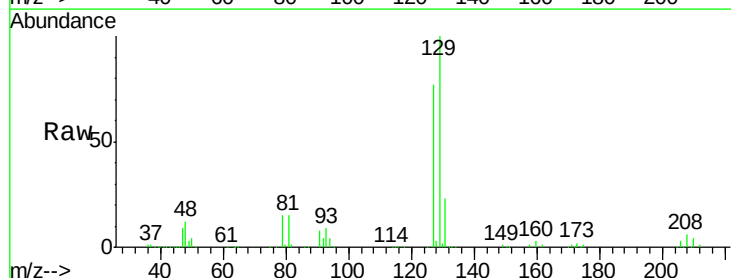
Acq: 06 Oct 2020 14:48

Tgt Ion: 129 Resp: 159215

Ion Ratio Lower Upper

129 100

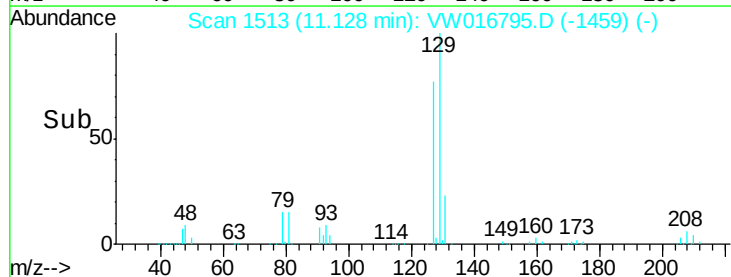
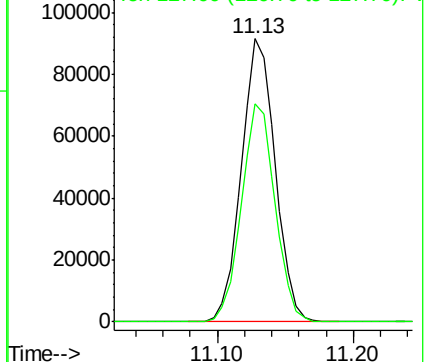
127 77.2 54.0 100.4

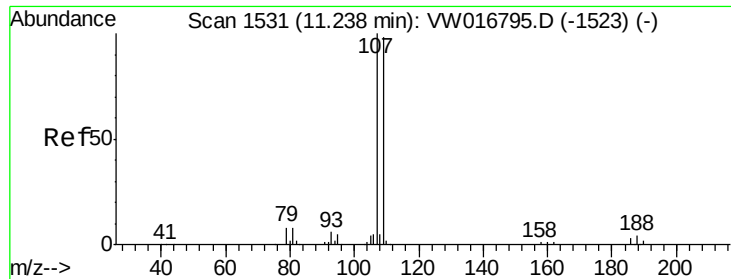


Abundance

Ion 129.00 (128.70 to 129.70): VW

Ion 127.00 (126.70 to 127.70): VW

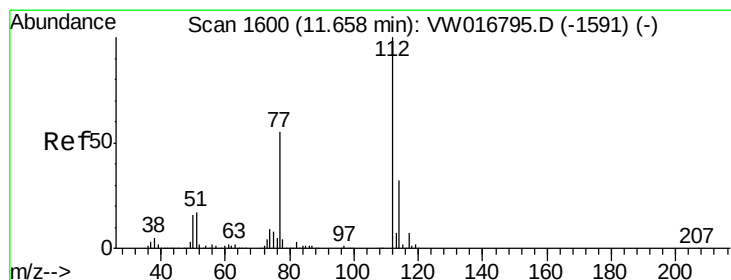
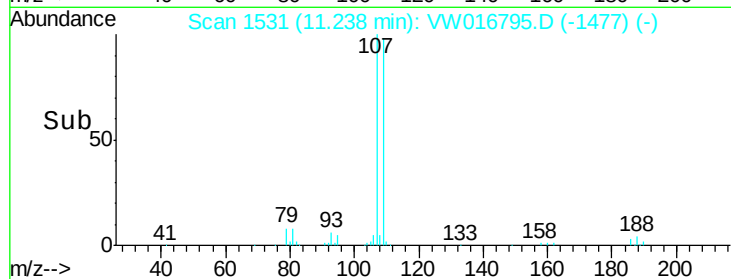
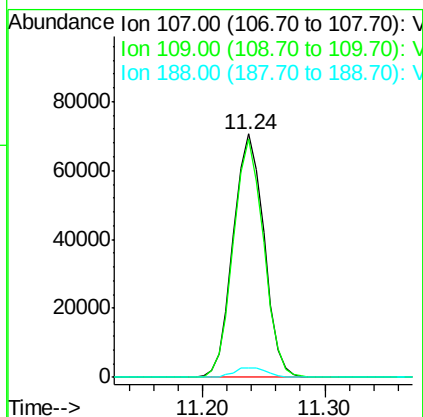
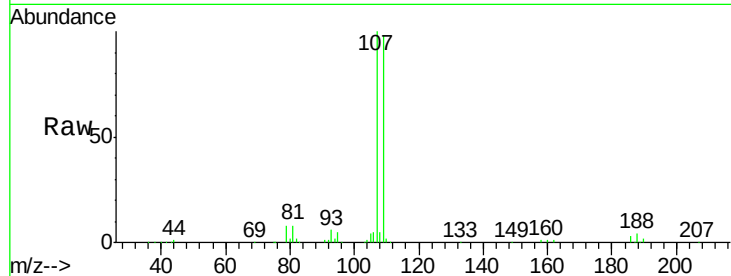




#51
 1,2-Dibromoethane
 Concen: 22.924 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

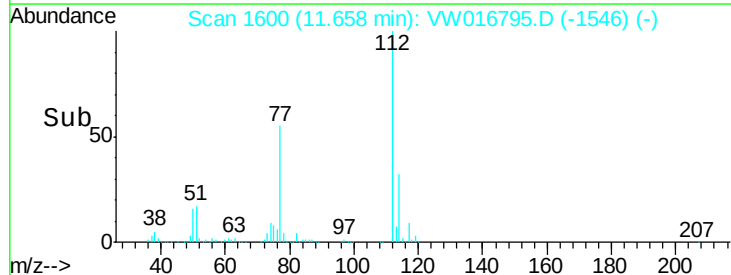
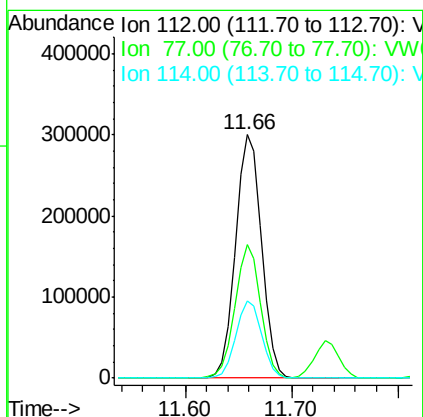
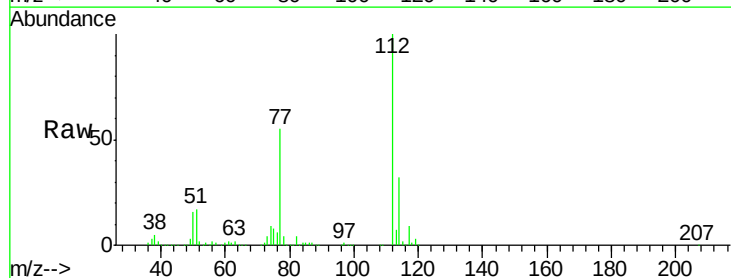
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

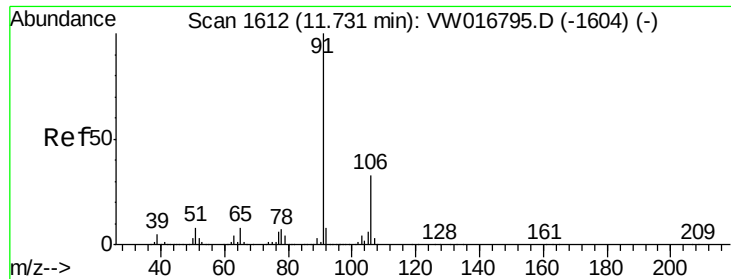
Tgt Ion:107 Resp: 123063
 Ion Ratio Lower Upper
 107 100
 109 97.7 68.4 127.0
 188 4.2 3.4 5.0



#52
 Chlorobenzene
 Concen: 24.508 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion:112 Resp: 514150
 Ion Ratio Lower Upper
 112 100
 77 55.0 44.0 66.0
 114 31.8 22.3 41.3





#53

Ethylbenzene

Concen: 24.433 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

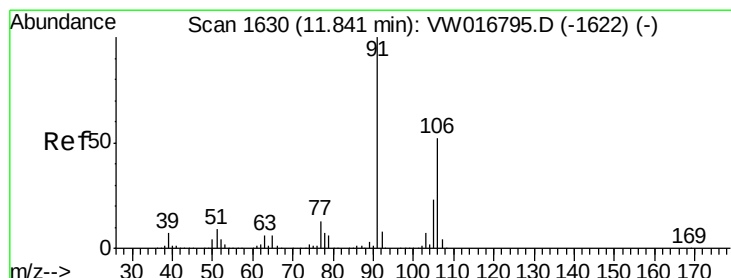
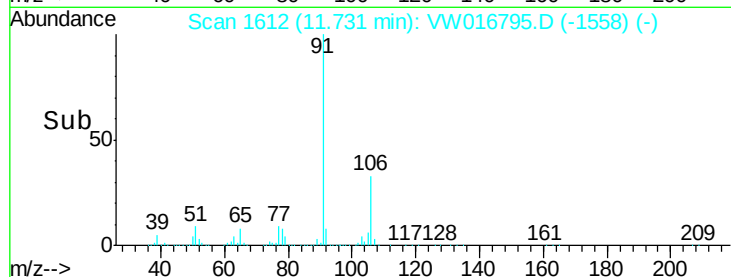
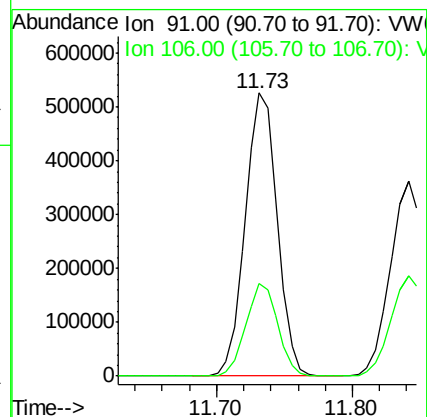
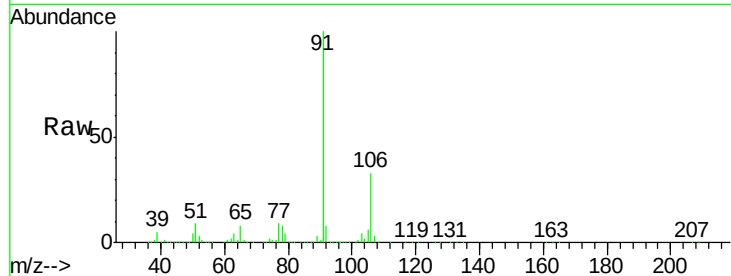
VSTD02504

Tgt Ion: 91 Resp: 864931

Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



#54

m,p-Xylene

Concen: 24.741 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016795.D

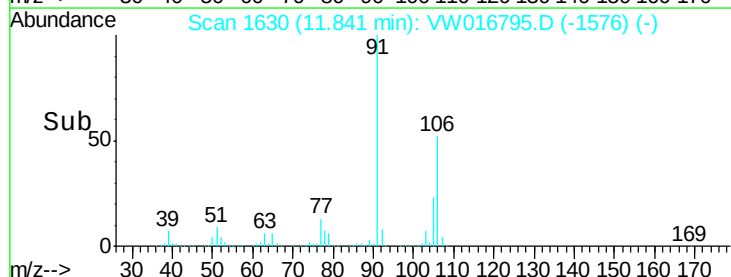
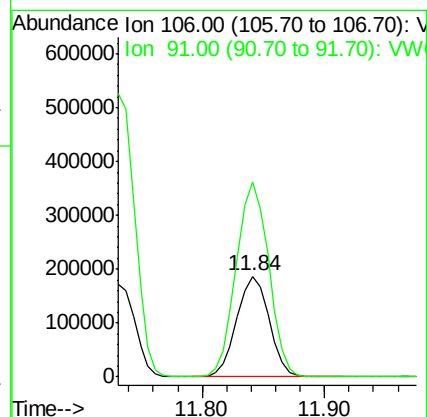
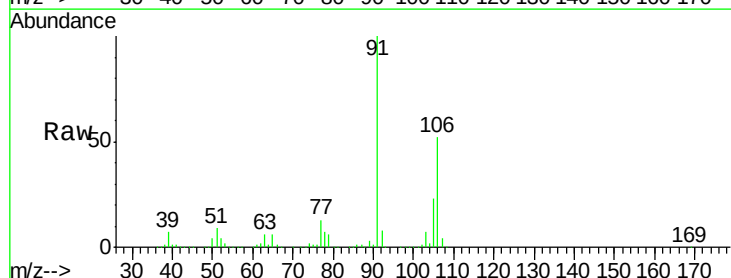
Acq: 06 Oct 2020 14:48

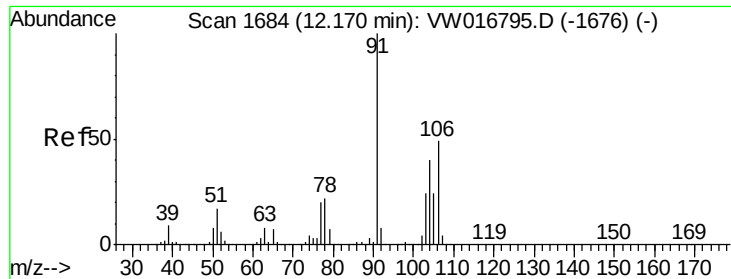
Tgt Ion: 106 Resp: 343851

Ion Ratio Lower Upper

106 100

91 193.7 135.6 251.8

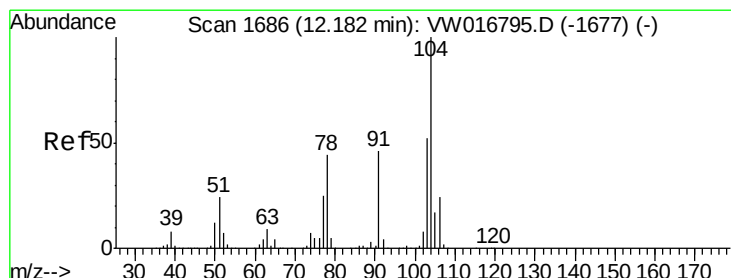
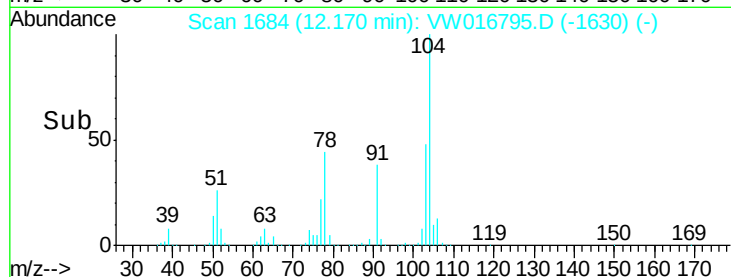
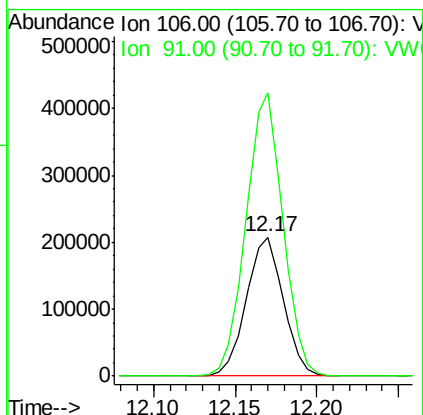
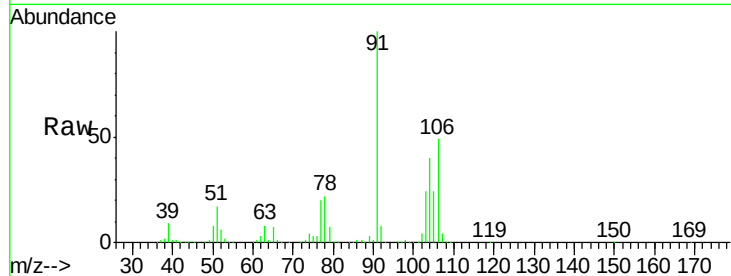




#55
o-xylene
Concen: 24.638 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

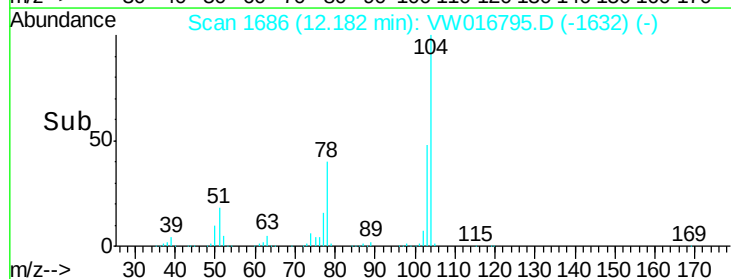
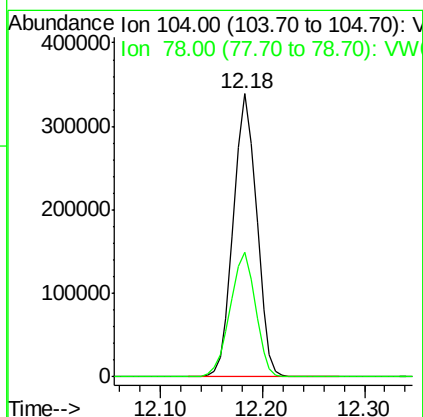
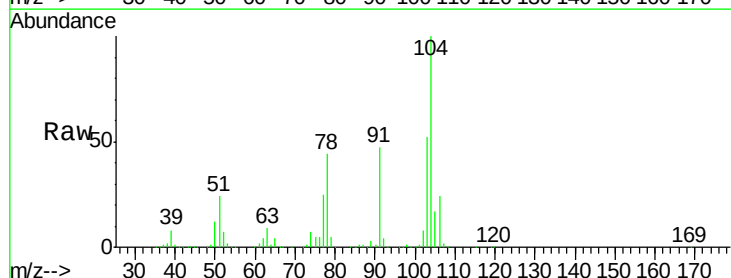
Instrument :
MSVOA_W
ClientSampleId :
VSTD02504

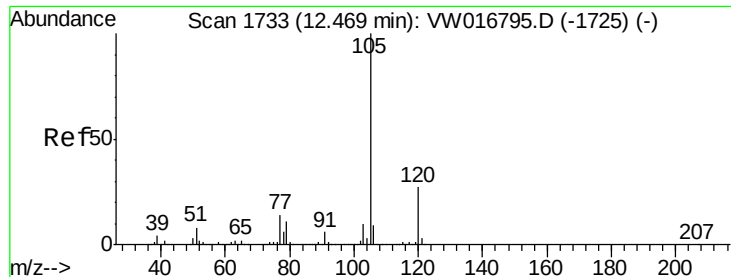
Tgt Ion:106 Resp: 327534
Ion Ratio Lower Upper
106 100
91 203.7 142.6 264.8



#56
Styrene
Concen: 24.398 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016795.D
Acq: 06 Oct 2020 14:48

Tgt Ion:104 Resp: 536606
Ion Ratio Lower Upper
104 100
78 43.9 30.7 57.1





#57

Isopropylbenzene

Concen: 24.807 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

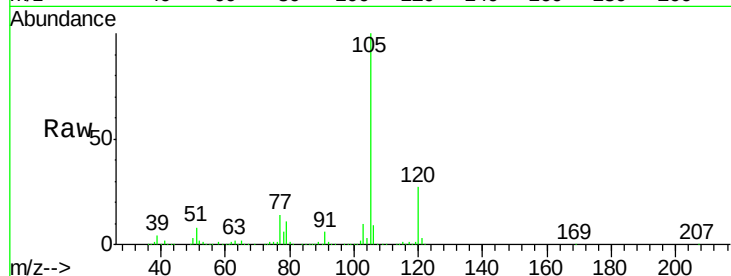
Tgt Ion: 105 Resp: 902055

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

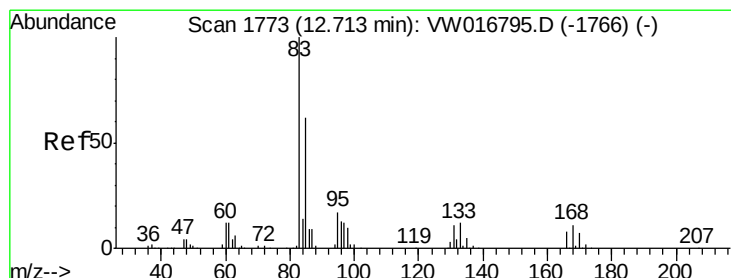
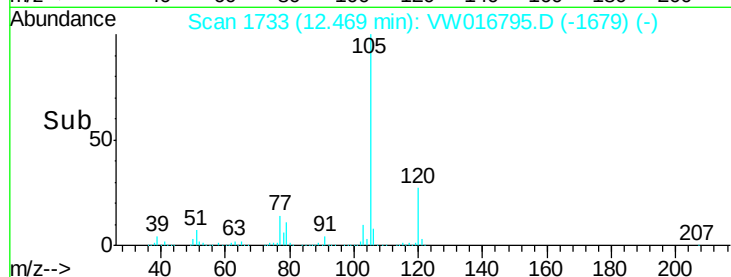
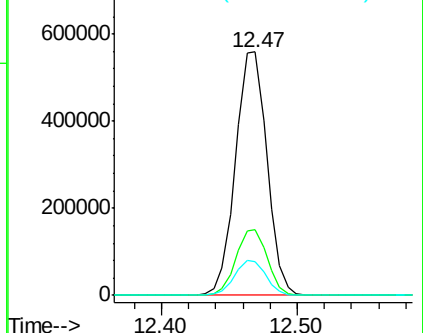
77 14.3 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.237 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

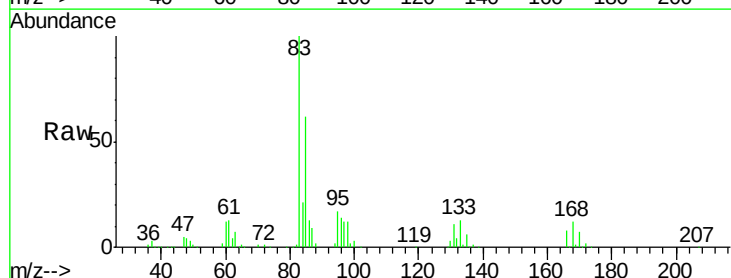
Tgt Ion: 83 Resp: 139277

Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.5

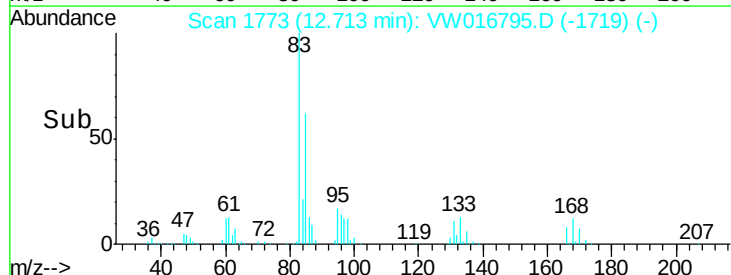
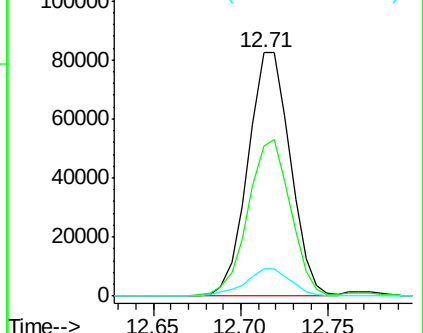
131 11.2 9.0 13.4

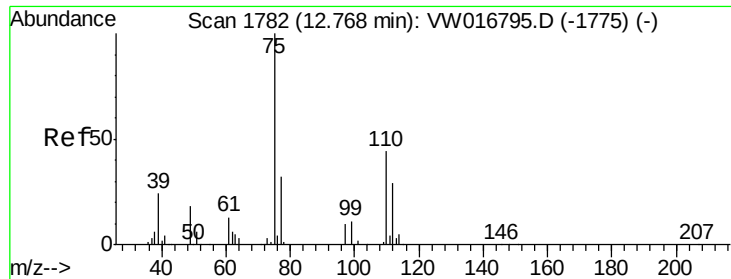


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

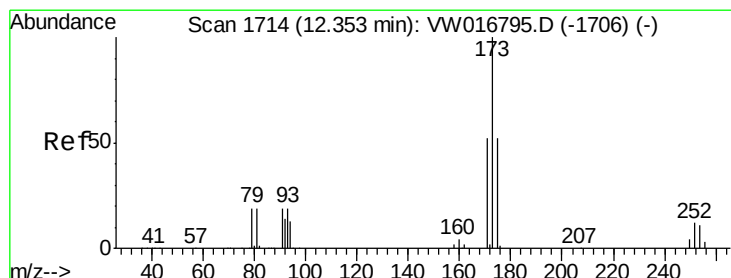
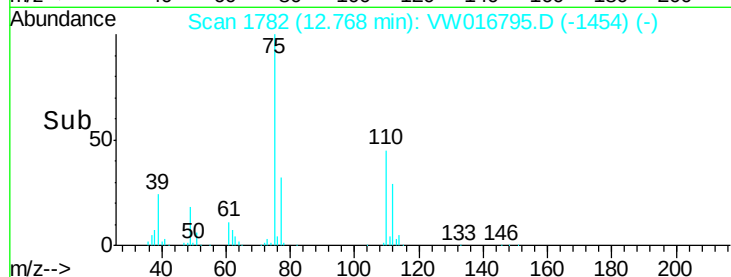
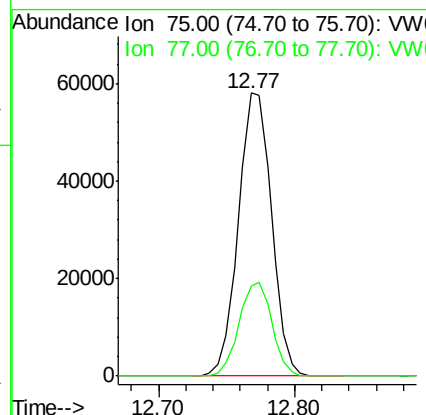
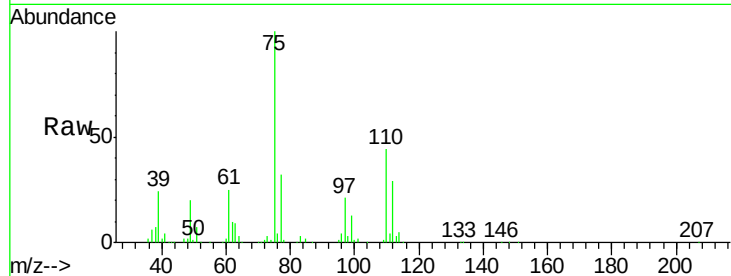




#59
 1,2,3-Trichloropropane
 Concen: 22.370 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

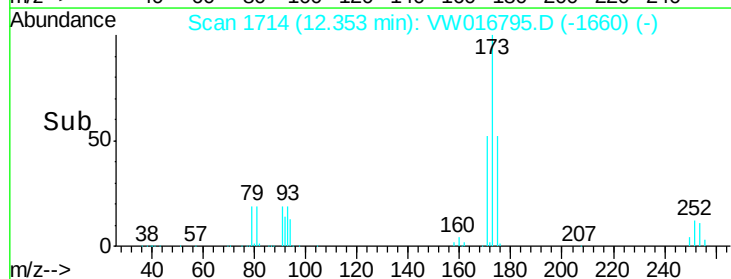
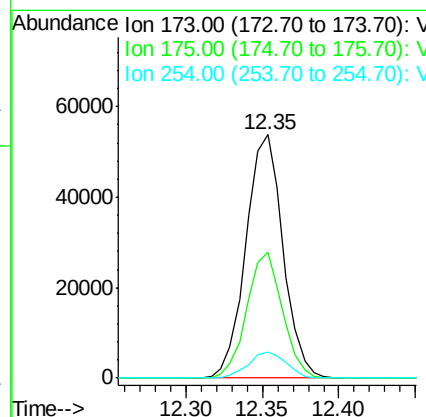
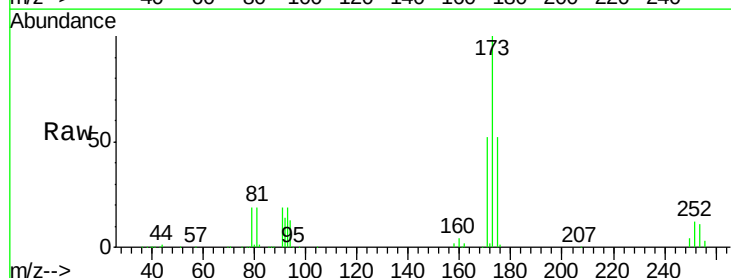
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

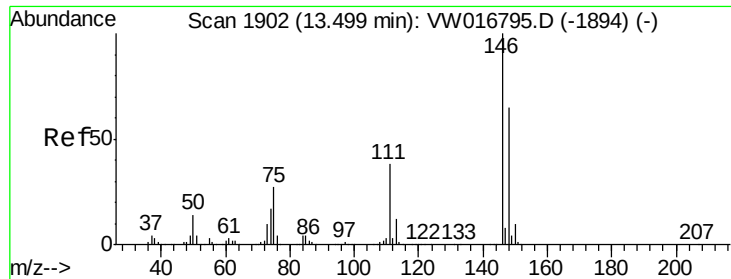
Tgt Ion: 75 Resp: 99061
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#62
 Bromoform
 Concen: 20.978 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion: 173 Resp: 90477
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.9 59.9
 254 10.9 8.7 13.1

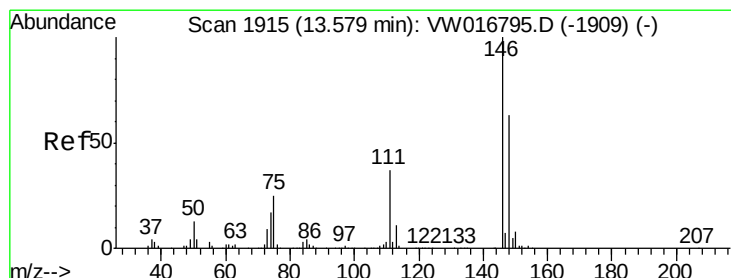
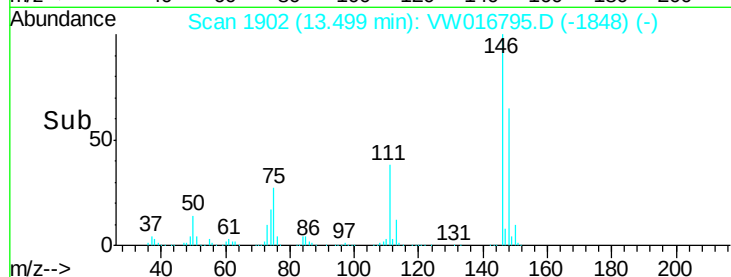
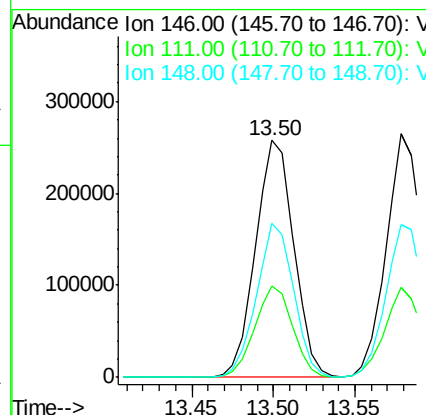
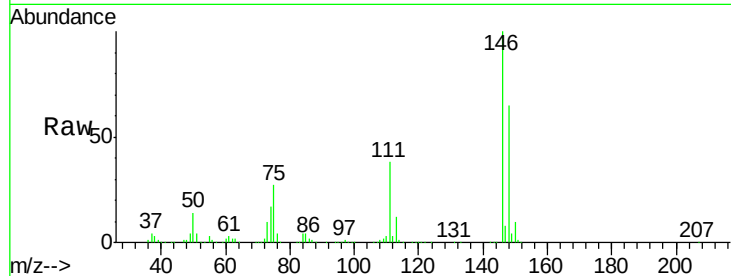




#63
 1,3-Dichlorobenzene
 Concen: 24.430 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

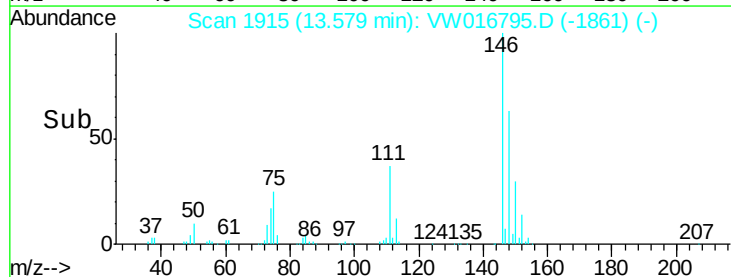
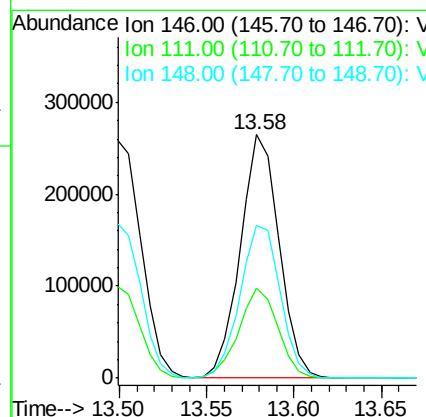
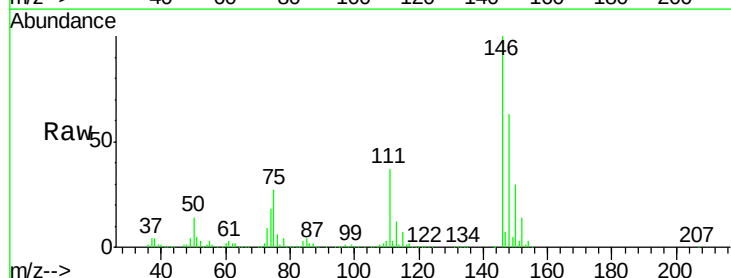
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

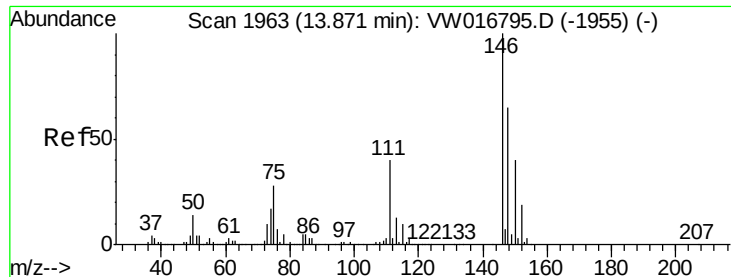
Tgt Ion:146 Resp: 421344
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.9 49.9
 148 65.3 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 24.382 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion:146 Resp: 410541
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.0 48.4
 148 62.7 43.9 81.5

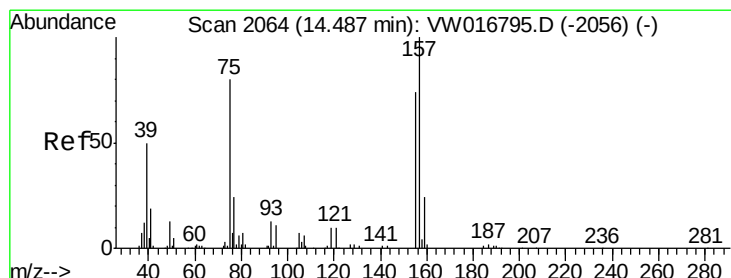
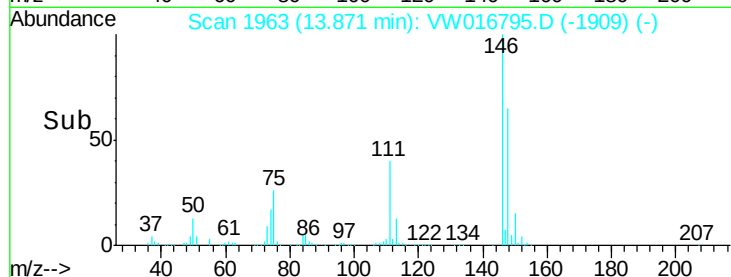
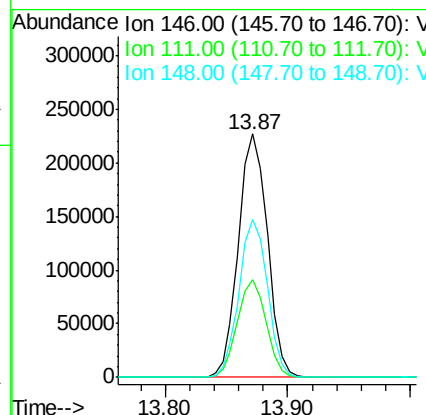
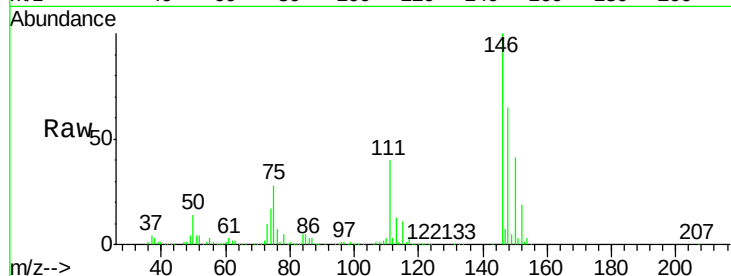




#65
 1,2-Dichlorobenzene
 Concen: 24.221 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

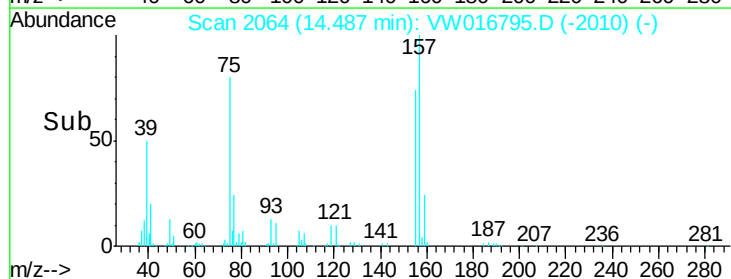
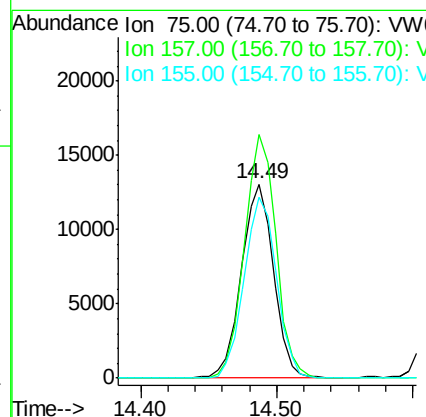
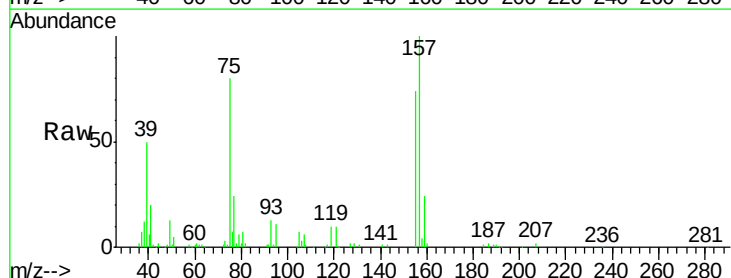
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

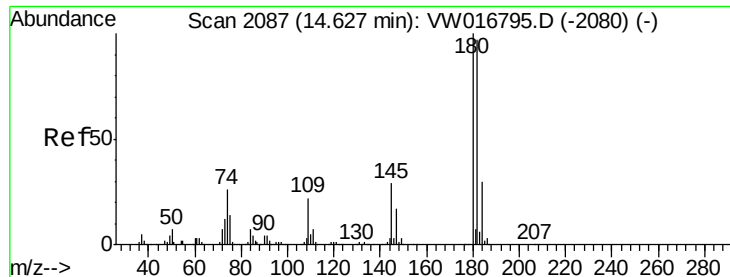
Tgt Ion: 146 Resp: 371869
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.1 48.1
 148 64.7 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.318 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion: 75 Resp: 21511
 Ion Ratio Lower Upper
 75 100
 157 125.6 100.5 150.7
 155 93.4 74.7 112.1

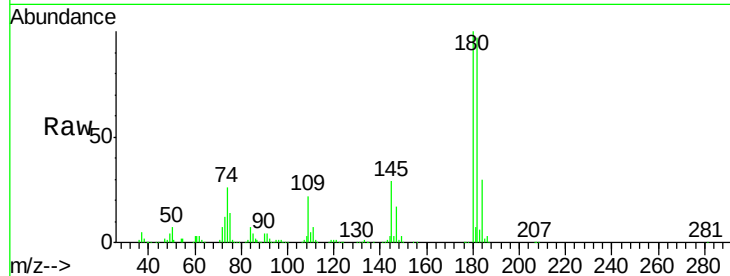




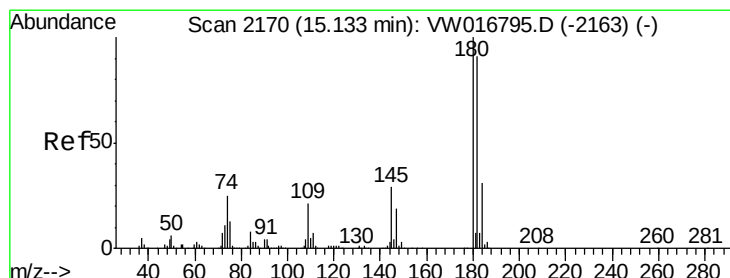
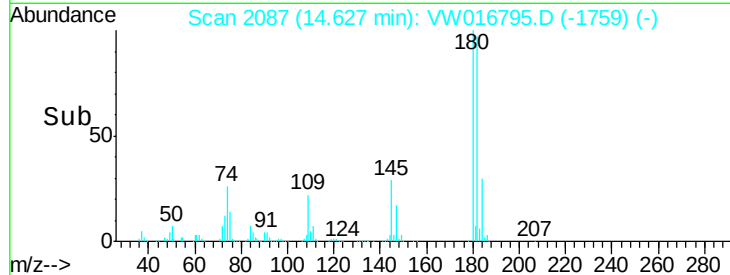
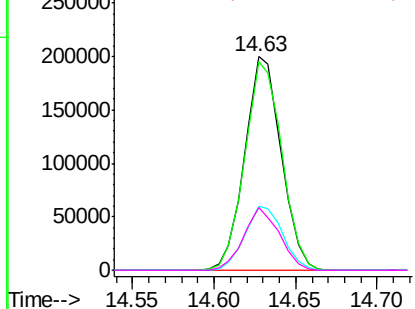
#67
 1,3,5-Trichlorobenzene
 Concen: 24.955 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Tgt Ion:180 Resp: 311934
 Ion Ratio Lower Upper
 180 100
 182 98.8 79.0 118.6
 184 31.1 24.9 37.3
 145 28.7 23.0 34.4

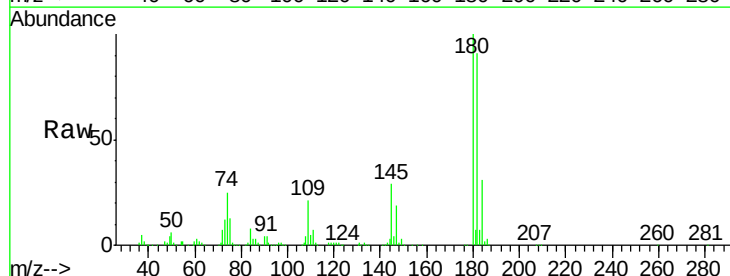


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

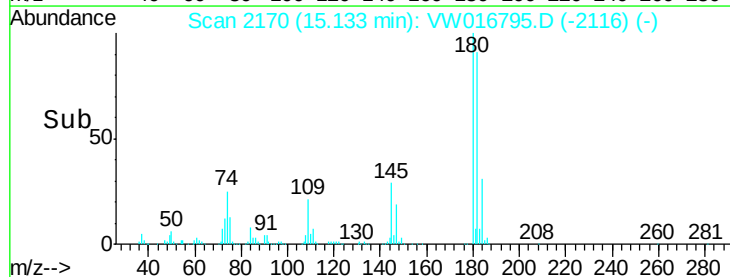
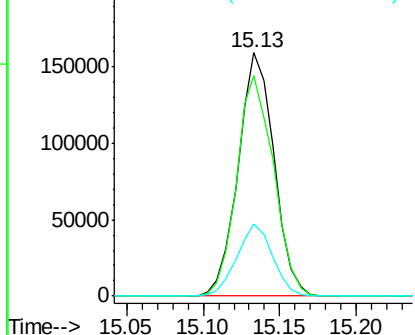


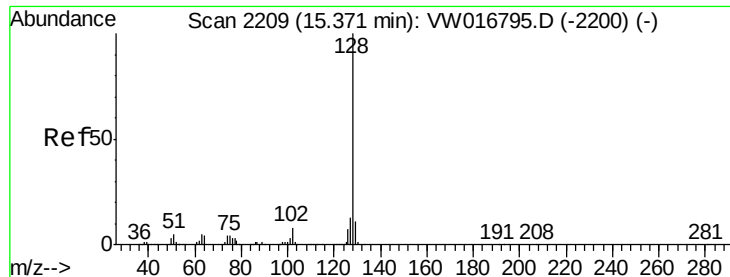
#68
 1,2,4-trichlorobenzene
 Concen: 25.648 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016795.D
 Acq: 06 Oct 2020 14:48

Tgt Ion:180 Resp: 259818
 Ion Ratio Lower Upper
 180 100
 182 92.7 74.2 111.2
 145 29.2 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.814 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD02504

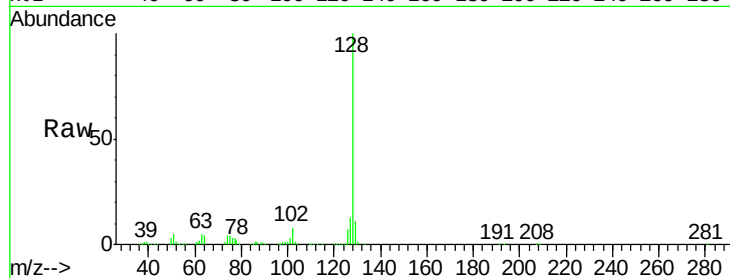
Tgt Ion:128 Resp: 439844

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

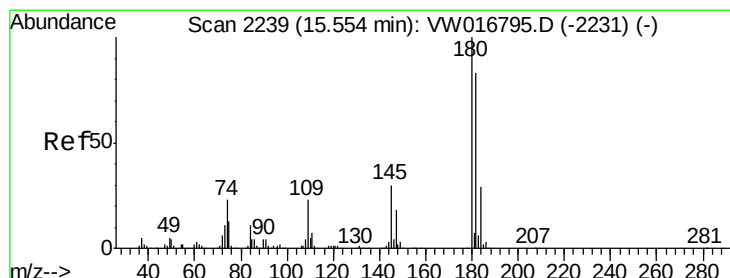
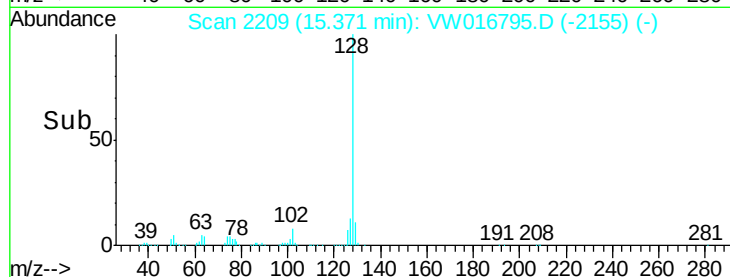
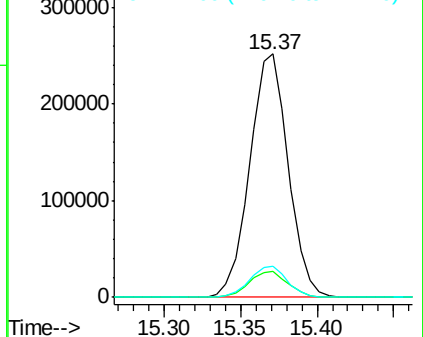
127 12.6 10.1 15.1



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: 25.718 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW016795.D

Acq: 06 Oct 2020 14:48

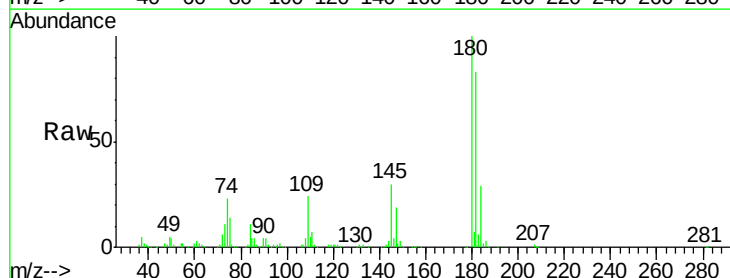
Tgt Ion:180 Resp: 224019

Ion Ratio Lower Upper

180 100

182 92.6 74.1 111.1

145 31.0 24.8 37.2



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

