

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100720\
 Data File : VW016794.D
 Acq On : 06 Oct 2020 14:25
 Operator : SY/VA
 Sample : VSTD00503
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Quant Time: Oct 06 15:32:52 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	8.85	114	577686	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	519730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	260414	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30050	5.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	24538	5.26	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	60931	4.86	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12158	8.13	ug/L	0.00
24) Chloroform-d	7.65	84	64159	5.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	31849	5.12	ug/L	0.00
29) Benzene-d6	8.28	84	127795	5.38	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	33912	5.30	ug/L	0.00
37) Toluene-d8	10.33	98	119673	5.15	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13877	4.39	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	10214	8.98	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27436	5.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	42995	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30236	4.208 ug/L	97
3) Chloromethane	2.21	50	27929	5.143 ug/L	100
5) Vinyl chloride	2.37	62	38210	4.882 ug/L	100
6) Bromomethane	2.79	94	27499	4.687 ug/L	98
8) Chloroethane	2.93	64	23446	5.036 ug/L	97
9) Trichlorofluoromethane	3.26	101	26983	3.618 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	38272	5.072 ug/L	99
12) 1,1-Dichloroethene	4.04	96	36025	4.858 ug/L	93
13) Acetone	4.15	43	10033	8.807 ug/L	95
14) Carbon disulfide	4.39	76	99003	4.471 ug/L	98
15) Methyl Acetate	4.68	43	11570	4.392 ug/L #	67
16) Methylene chloride	4.92	84	42445	4.776 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	41951	4.334 ug/L #	90
18) trans-1,2-Dichloroethene	5.43	96	38456	5.010 ug/L	95
19) 1,1-Dichloroethane	6.22	63	59557	4.940 ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	39350	4.981 ug/L	93
23) Bromochloromethane	7.51	128	19038	4.986 ug/L	93
25) Chloroform	7.68	83	64278	4.904 ug/L	100
27) 1,2-Dichloroethane	8.40	62	38763	4.680 ug/L	98
30) Cyclohexane	7.96	56	52798	4.629 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	55844	4.654 ug/L	99
32) Carbon tetrachloride	8.07	117	52543	4.471 ug/L	99
34) Benzene	8.33	78	142926	5.075 ug/L	100
35) Trichloroethene	9.10	95	39786	4.902 ug/L	98
36) Methylcyclohexane	9.34	83	64525	4.693 ug/L	98
40) 1,2-Dichloropropane	9.37	63	32620	5.012 ug/L	100
41) Bromodichloromethane	9.65	83	43353	4.540 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	47389	4.312 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	30933	7.776 ug/L	97
44) Toluene	10.39	91	156898	4.971 ug/L	97

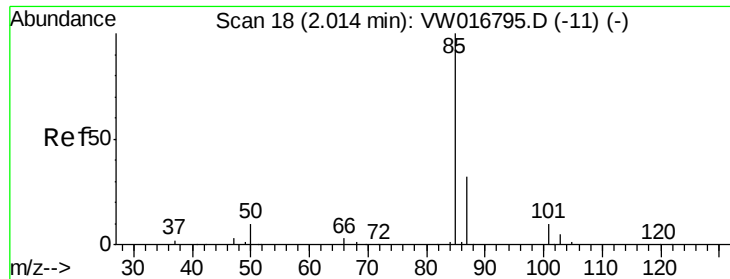
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100720\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 15:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	38461	4.057	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	26221	4.834	ug/L	94
47) Tetrachloroethene	10.87	164	36879	5.036	ug/L	97
49) 2-Hexanone	10.97	43	20089	7.960	ug/L	99
50) Dibromochloromethane	11.13	129	30902	4.395	ug/L	98
51) 1,2-Dibromoethane	11.24	107	25250	4.659	ug/L	89
52) Chlorobenzene	11.66	112	104033	4.912	ug/L	100
53) Ethylbenzene	11.73	91	174799	4.891	ug/L	98
54) m,p-Xylene	11.84	106	64989	4.632	ug/L	94
55) o-xylene	12.17	106	64082	4.775	ug/L	100
56) Styrene	12.18	104	104062	4.687	ug/L	98
57) Isopropylbenzene	12.47	105	170827	4.654	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	28483	4.707	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	20773	4.647	ug/L	99
62) Bromoform	12.35	173	17051	4.017	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	85056	5.010	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	83322	5.027	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	74696	4.943	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4381	4.204	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	60105	4.885	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	49395	4.954	ug/L	100
69) Naphthalene	15.37	128	73902	4.236	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	41929	4.890	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.208 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

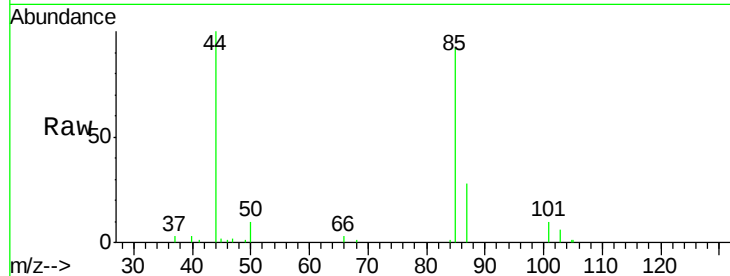
VSTD00503

Tgt Ion: 85 Resp: 30236

Ion Ratio Lower Upper

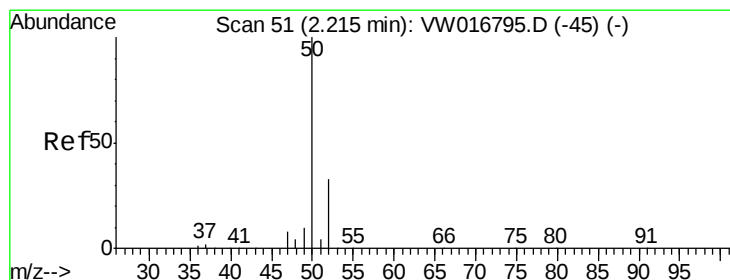
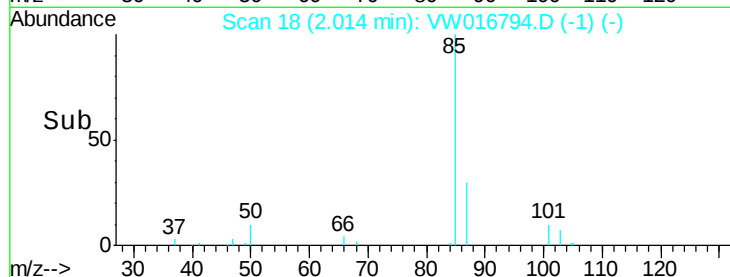
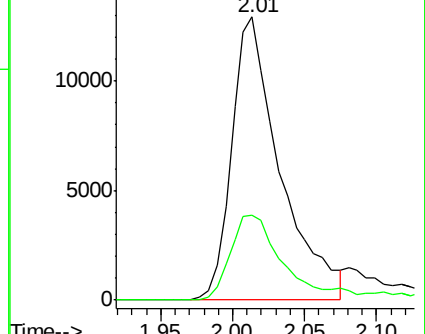
85 100

87 30.8 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.143 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016794.D

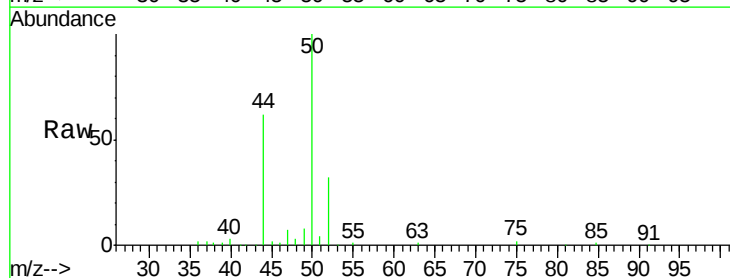
Acq: 06 Oct 2020 14:25

Tgt Ion: 50 Resp: 27929

Ion Ratio Lower Upper

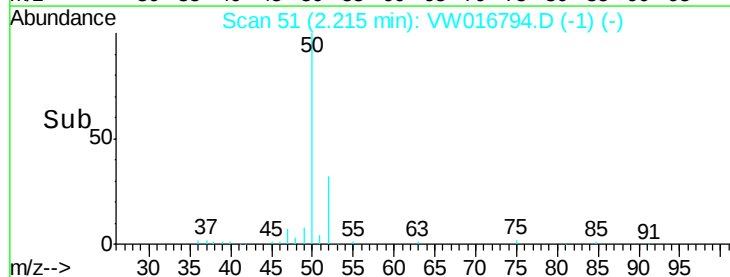
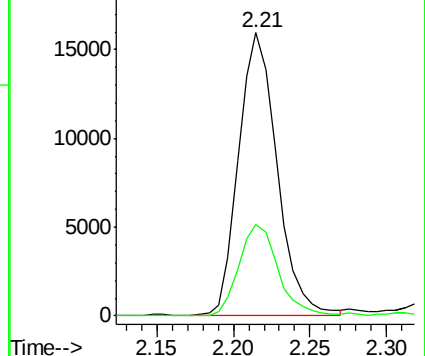
50 100

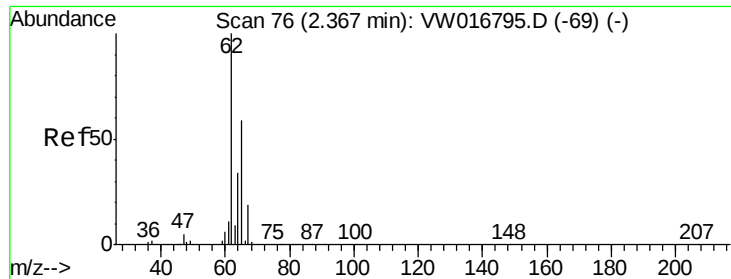
52 32.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.882 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

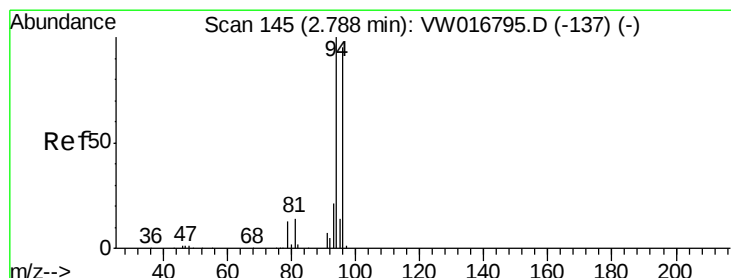
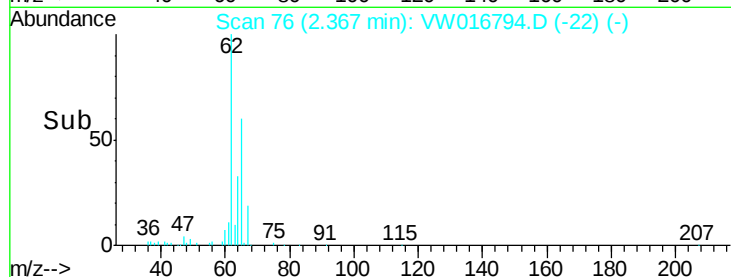
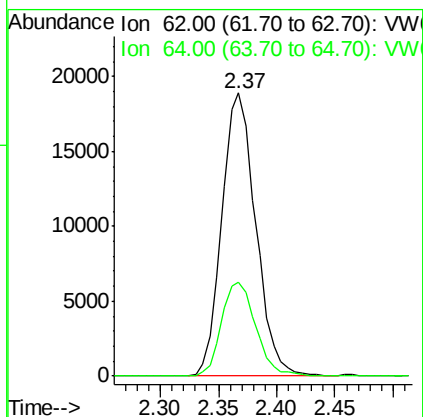
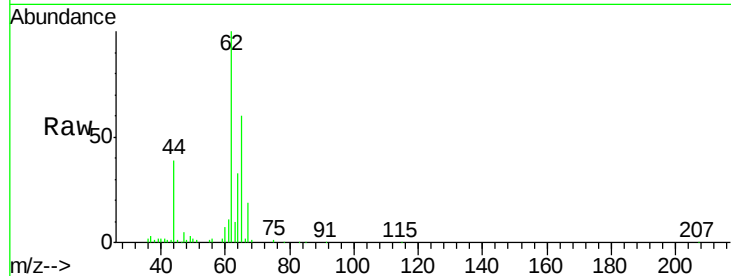
VSTD00503

Tgt Ion: 62 Resp: 38210

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



#6

Bromomethane

Concen: 4.687 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016794.D

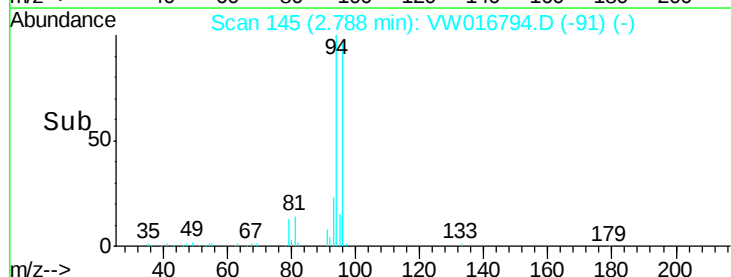
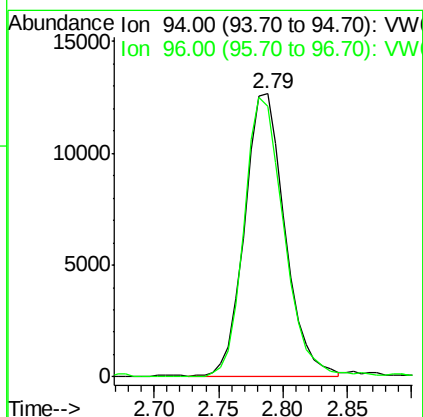
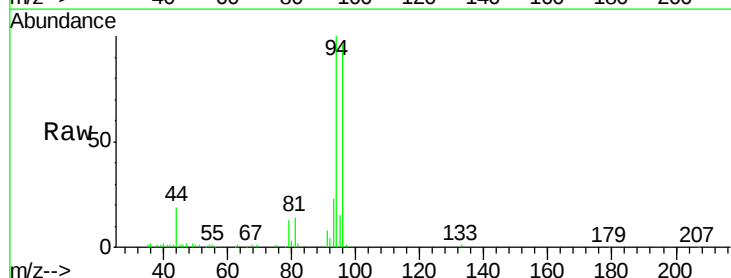
Acq: 06 Oct 2020 14:25

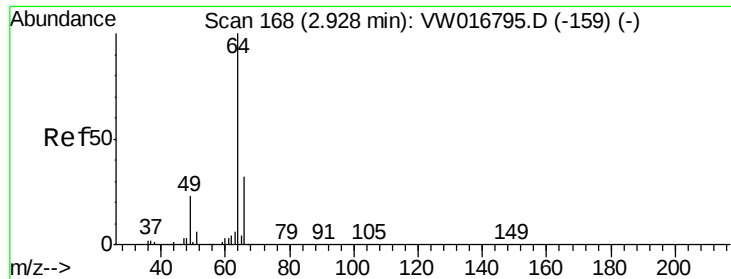
Tgt Ion: 94 Resp: 27499

Ion Ratio Lower Upper

94 100

96 97.4 9.5 180.7





#8

Chloroethane

Concen: 5.036 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampled :

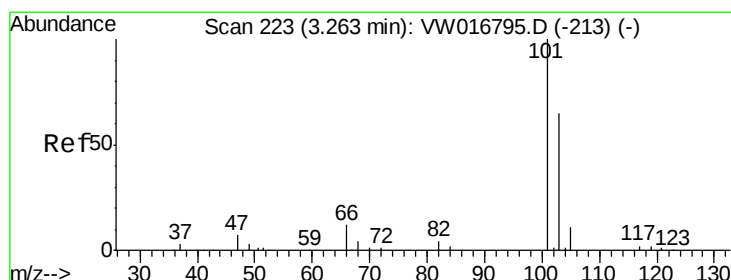
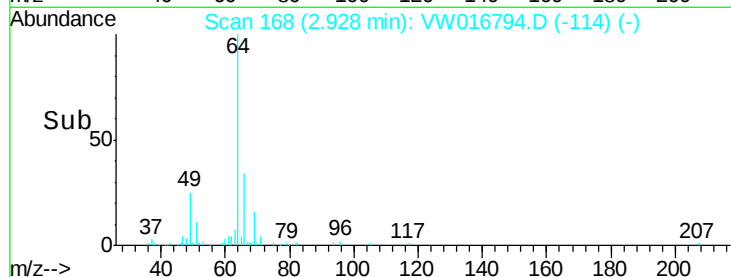
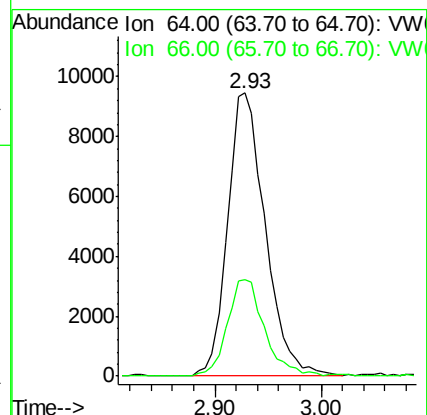
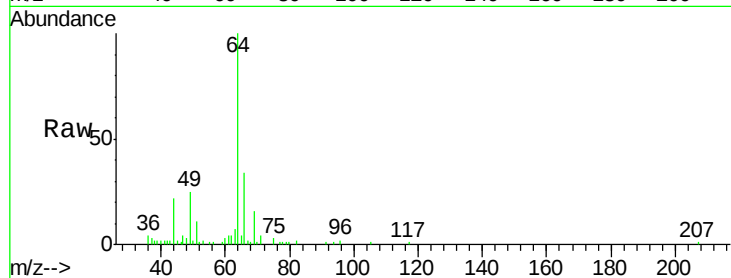
VSTD00503

Tgt Ion: 64 Resp: 23446

Ion Ratio Lower Upper

64 100

66 34.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 3.618 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016794.D

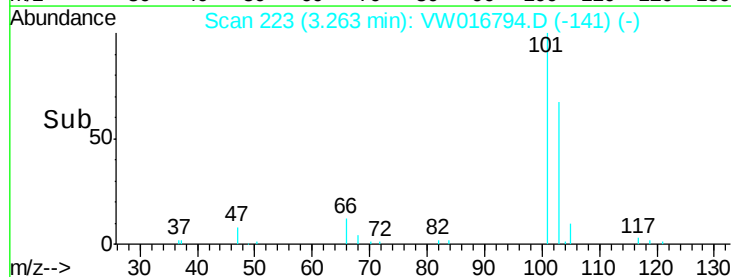
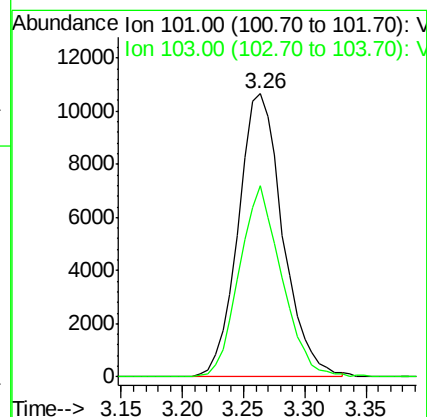
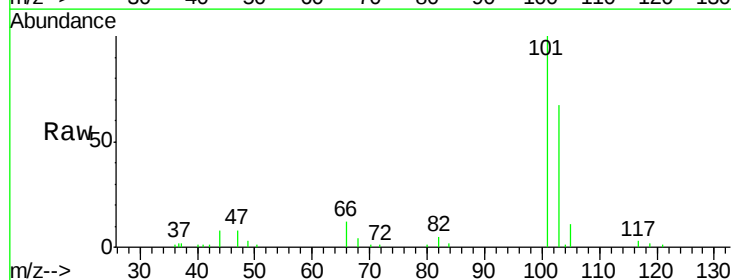
Acq: 06 Oct 2020 14:25

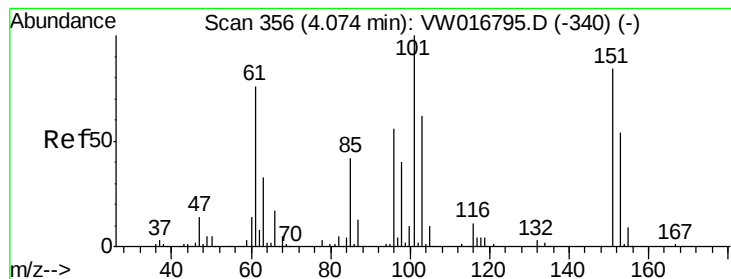
Tgt Ion: 101 Resp: 26983

Ion Ratio Lower Upper

101 100

103 63.9 45.2 84.0





#11

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

Concen: 5.072 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampled :

VSTD00503

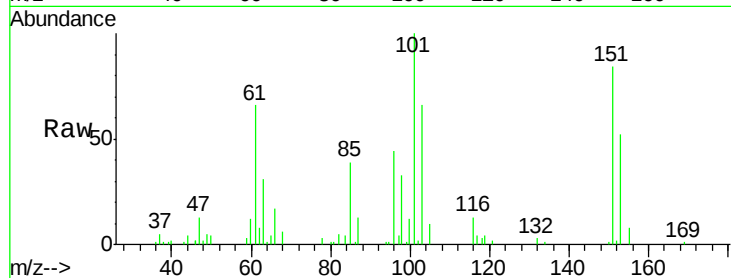
Tgt Ion: 101 Resp: 38272

Ion Ratio Lower Upper

101 100

85 39.9 31.7 47.5

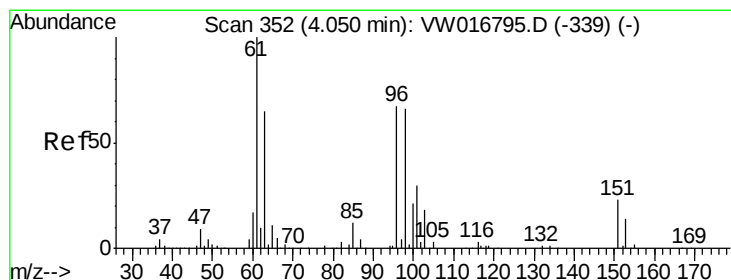
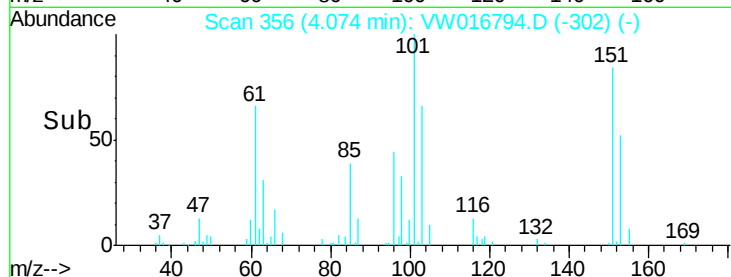
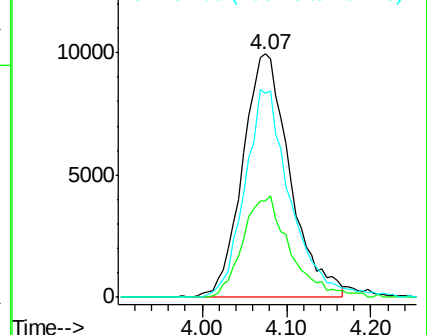
151 81.8 66.6 99.8



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: 4.858 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

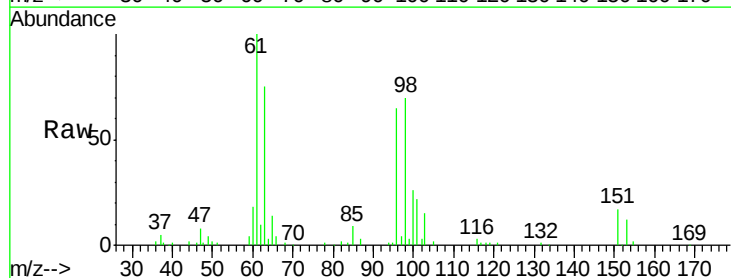
Tgt Ion: 96 Resp: 36025

Ion Ratio Lower Upper

96 100

61 152.8 105.1 195.1

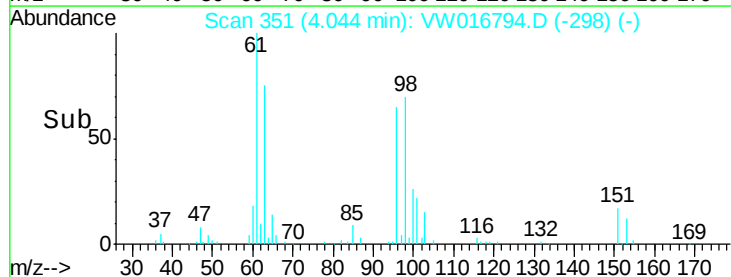
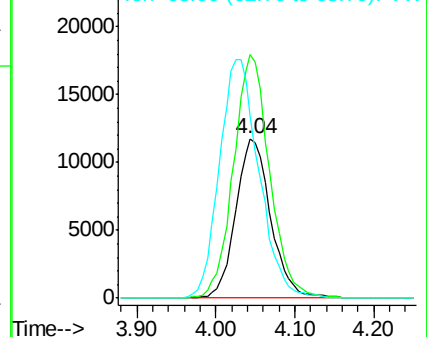
63 114.7 69.9 129.7

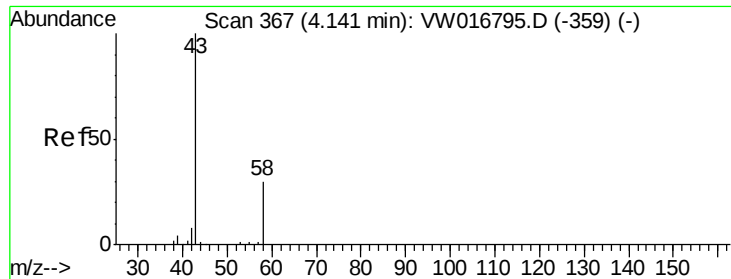


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.807 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

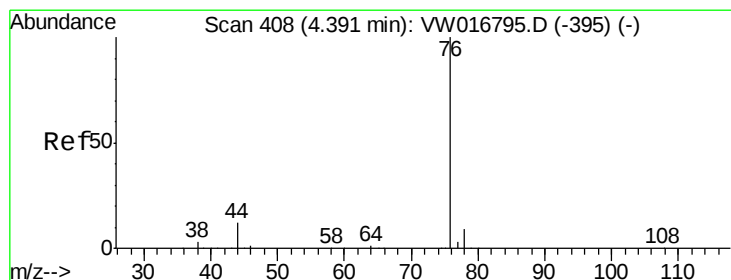
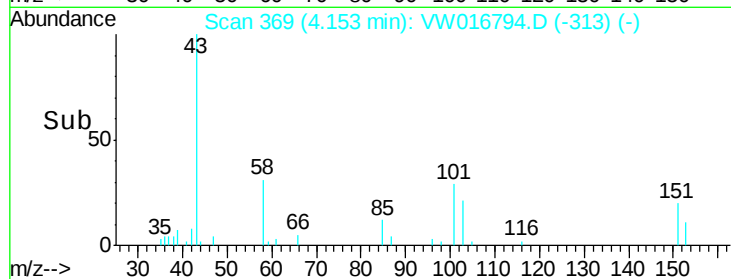
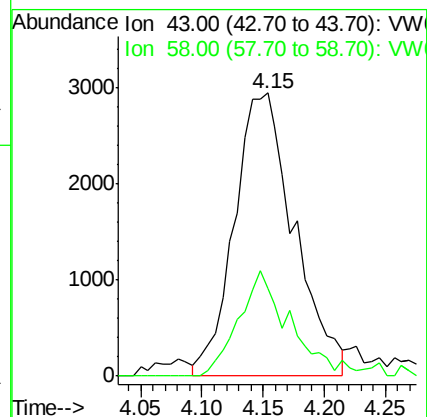
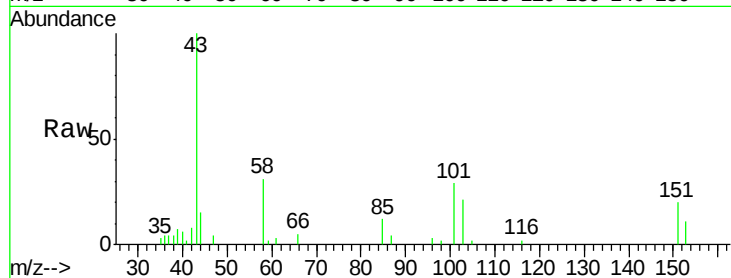
VSTD00503

Tgt Ion: 43 Resp: 10033

Ion Ratio Lower Upper

43 100

58 30.9 0.0 67.6



#14

Carbon disulfide

Concen: 4.471 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016794.D

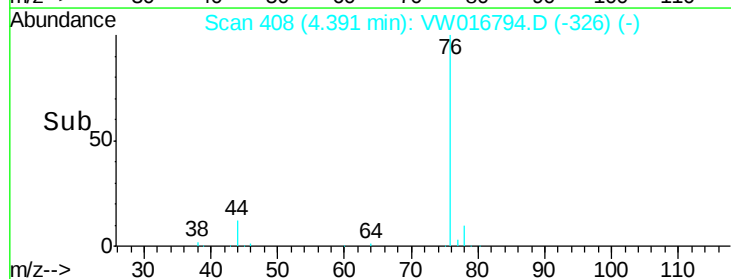
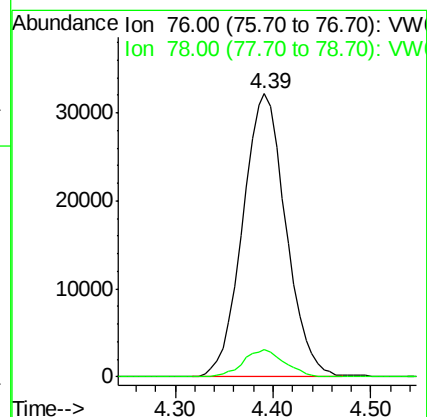
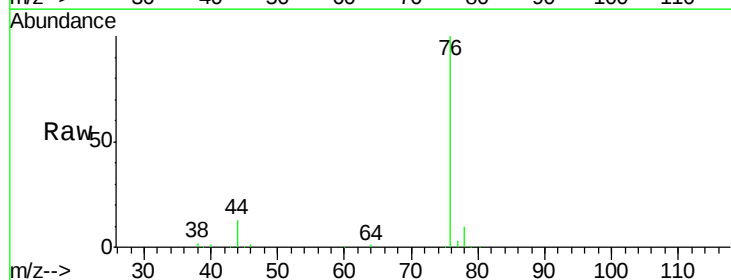
Acq: 06 Oct 2020 14:25

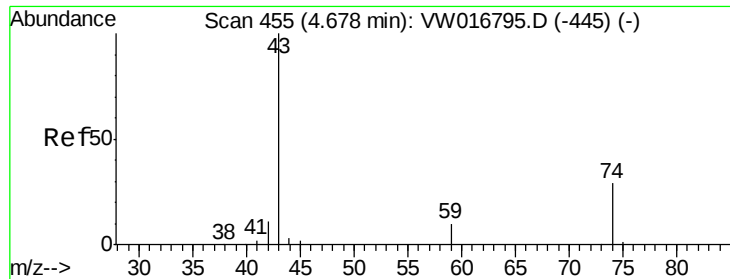
Tgt Ion: 76 Resp: 99003

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

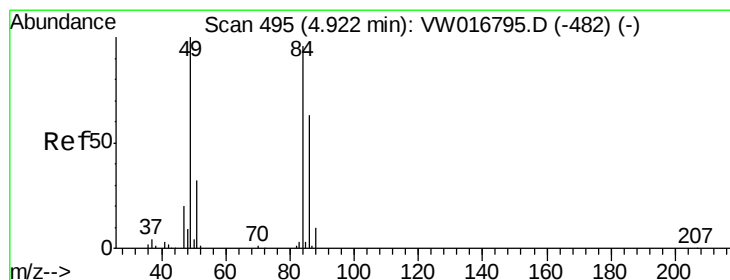
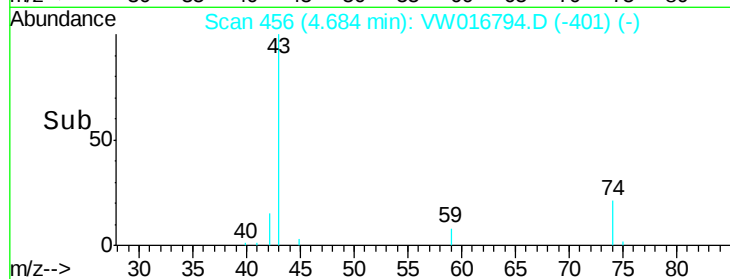
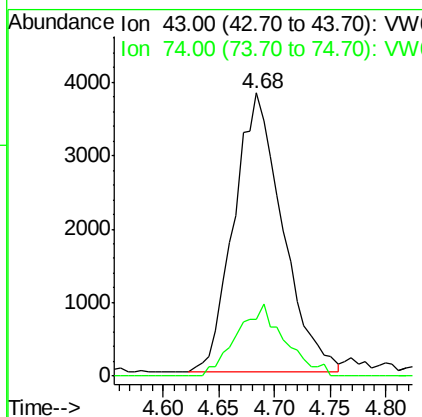
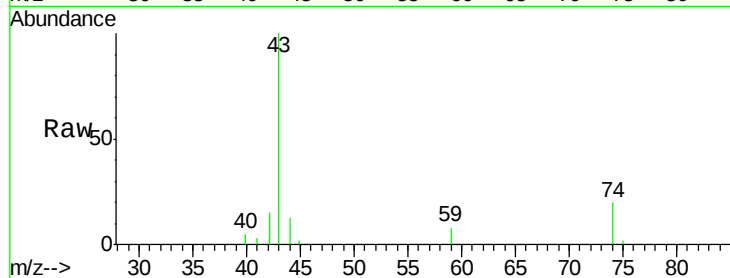




#15
Methyl Acetate
Concen: 4.392 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

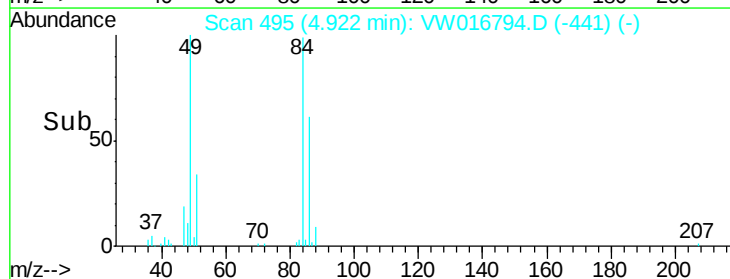
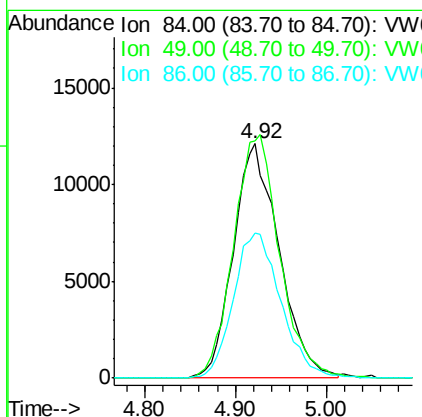
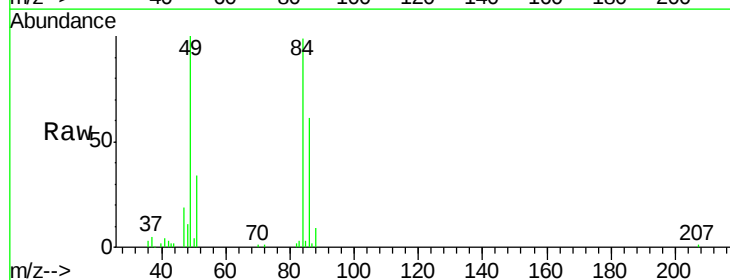
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

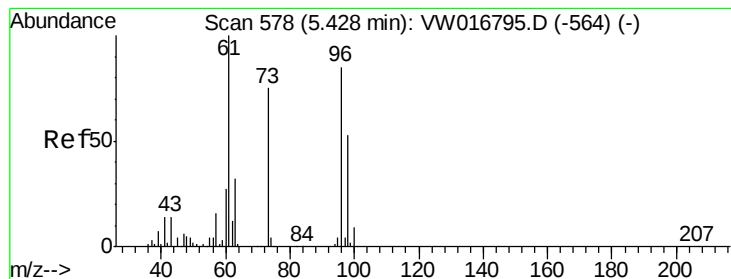
Tgt Ion: 43 Resp: 11570
Ion Ratio Lower Upper
43 100
74 11.1 22.7 34.1#



#16
Methylene chloride
Concen: 4.776 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Tgt Ion: 84 Resp: 42445
Ion Ratio Lower Upper
84 100
49 101.1 73.1 135.8
86 61.8 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 4.334 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

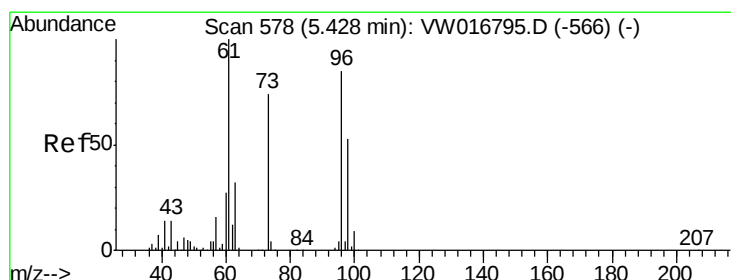
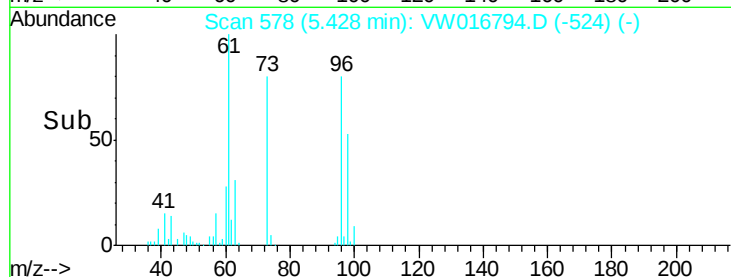
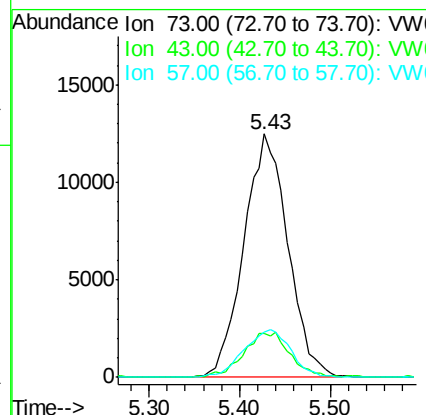
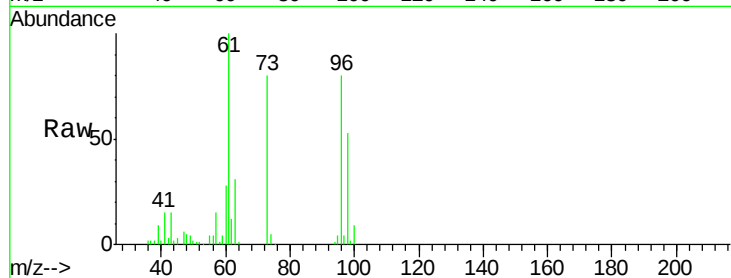
Tgt Ion: 73 Resp: 41951

Ion Ratio Lower Upper

73 100

43 9.2 15.0 22.4#

57 20.8 16.4 24.6



#18

trans-1,2-Dichloroethene

Concen: 5.010 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

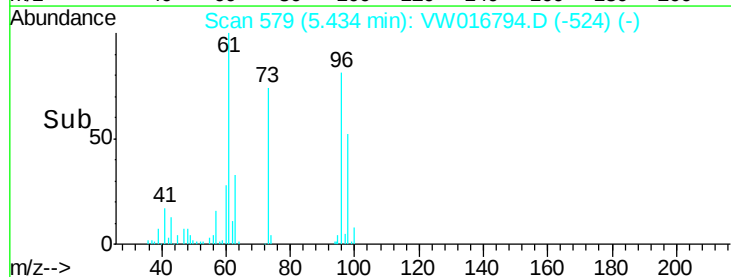
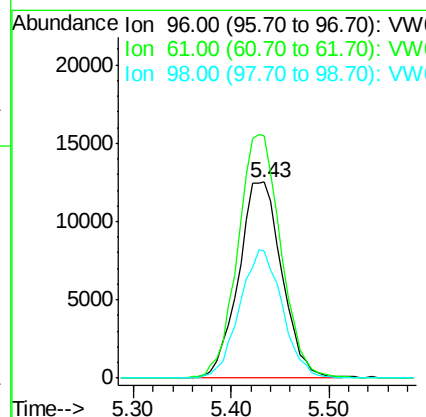
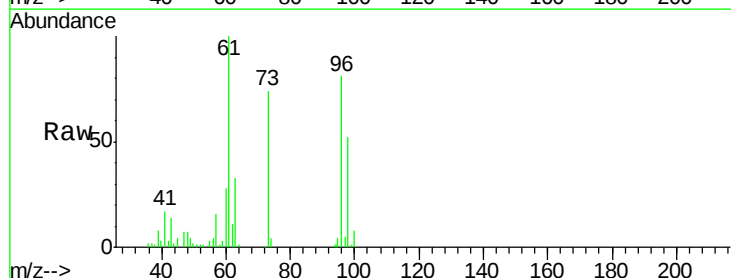
Tgt Ion: 96 Resp: 38456

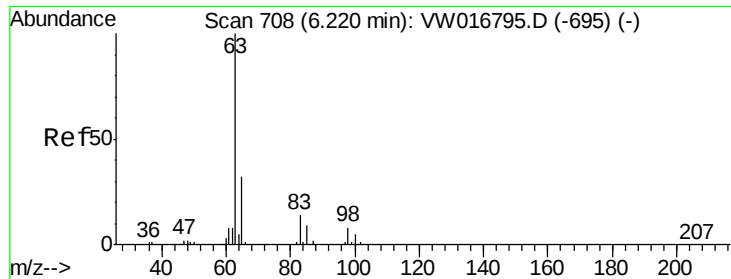
Ion Ratio Lower Upper

96 100

61 123.9 82.5 153.3

98 64.6 43.3 80.5

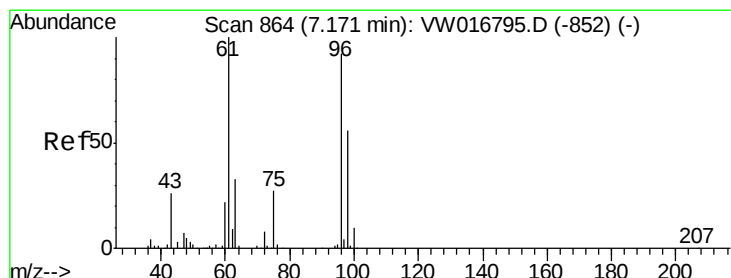
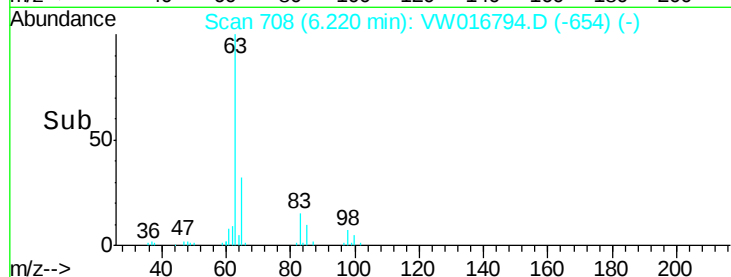
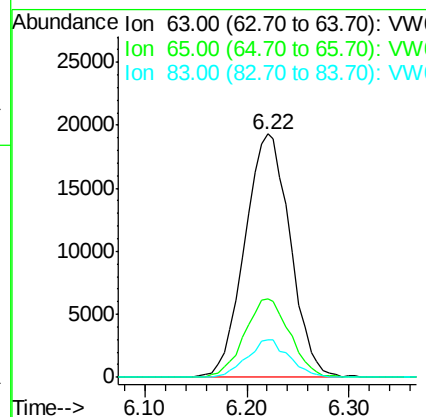
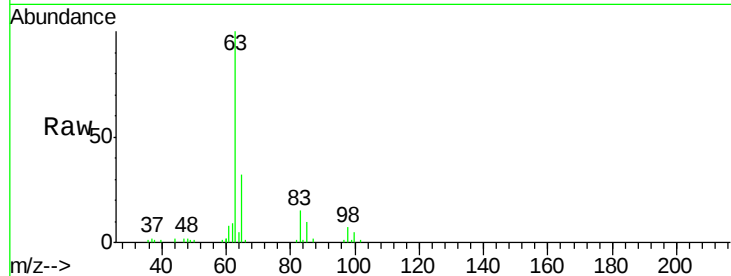




#19
 1,1-Dichloroethane
 Concen: 4.940 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

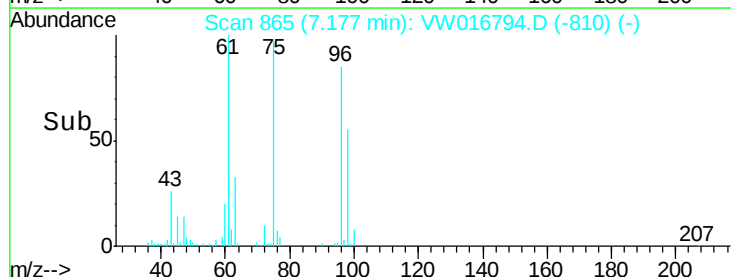
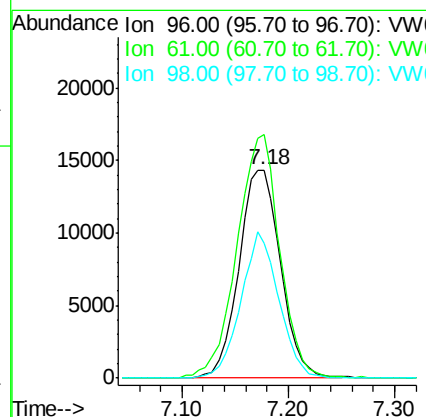
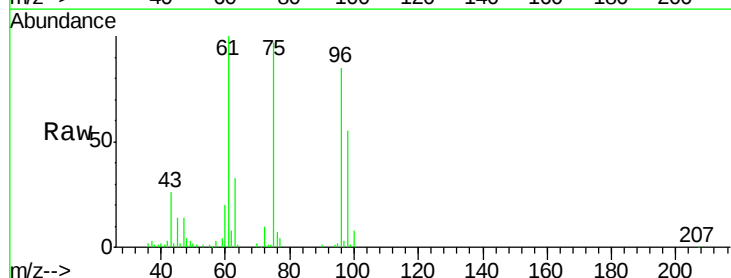
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

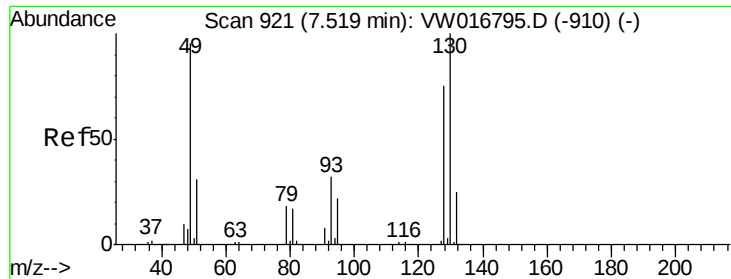
Tgt Ion: 63 Resp: 59557
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.1
 83 15.4 9.9 18.5



#22
 cis-1,2-Dichloroethene
 Concen: 4.981 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion: 96 Resp: 39350
 Ion Ratio Lower Upper
 96 100
 61 117.1 76.0 141.2
 98 64.8 42.7 79.3

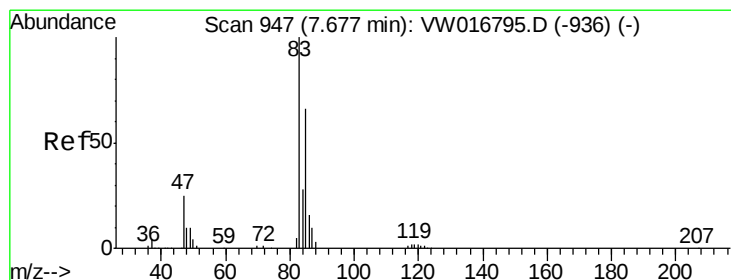
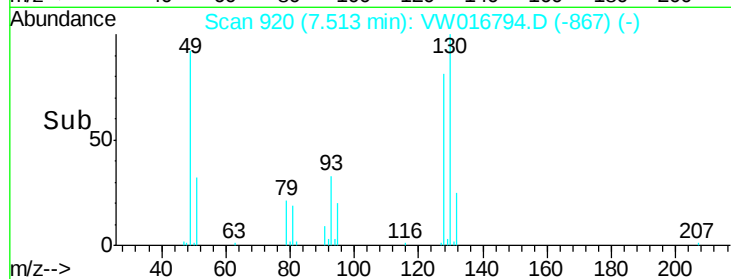
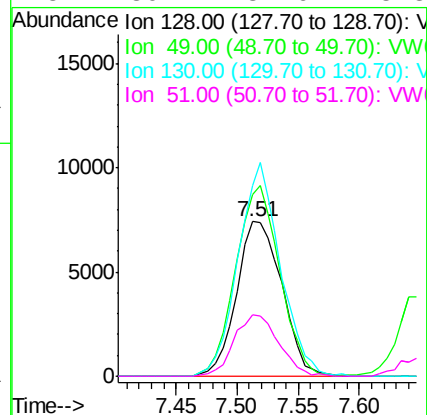
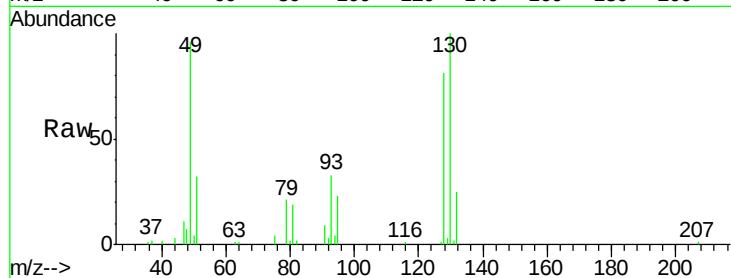




#23
 Bromochloromethane
 Concen: 4.986 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

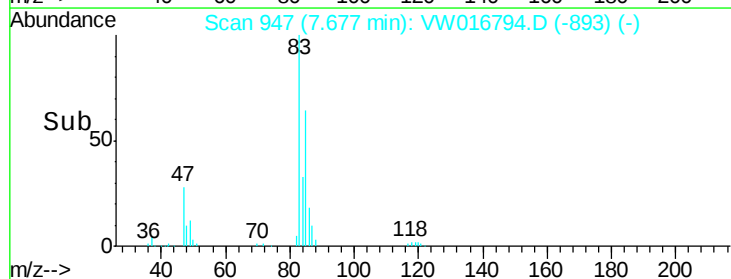
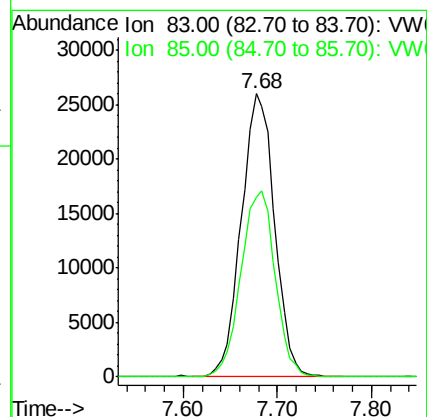
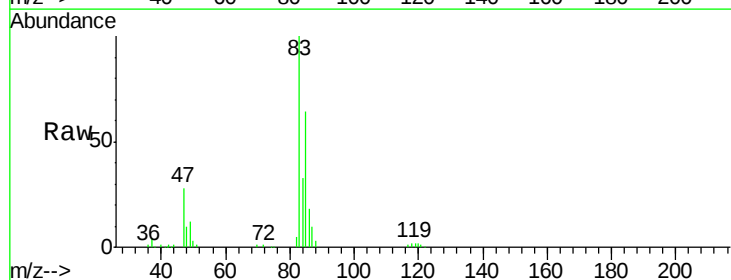
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

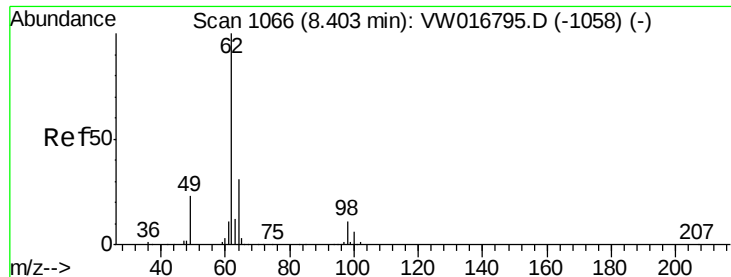
Tgt Ion:	128	Resp:	19038
Ion	Ratio	Lower	Upper
128	100		
49	117.9	88.5	164.3
130	123.2	92.9	172.5
51	39.7	32.6	48.8



#25
 Chloroform
 Concen: 4.904 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion:	83	Resp:	64278
Ion	Ratio	Lower	Upper
83	100		
85	67.3	46.9	87.1

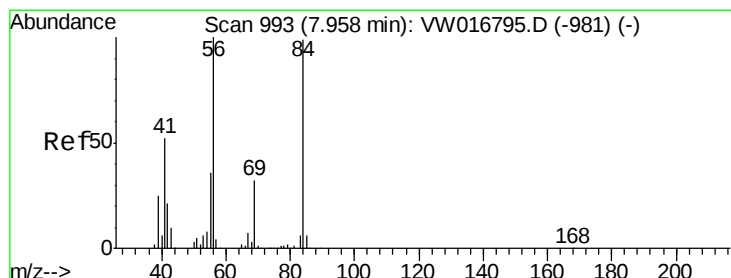
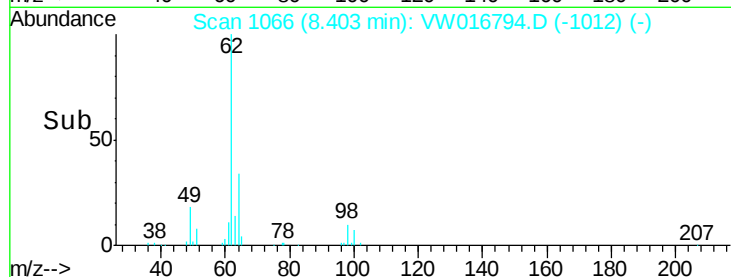
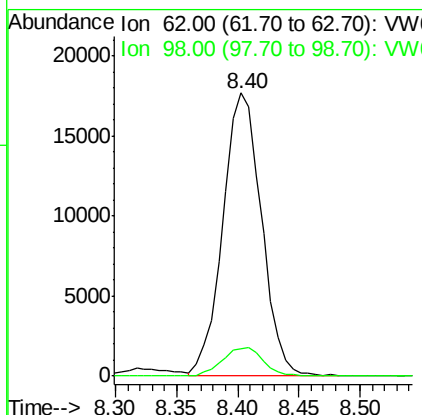
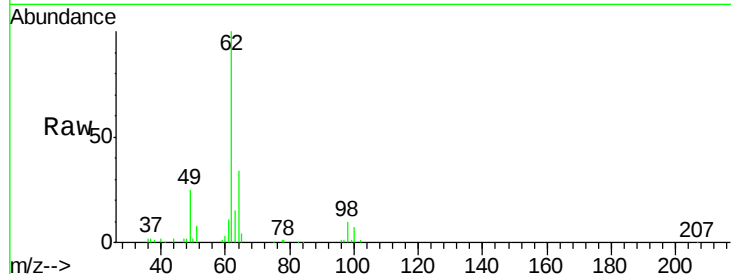




#27
 1,2-Dichloroethane
 Concen: 4.680 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

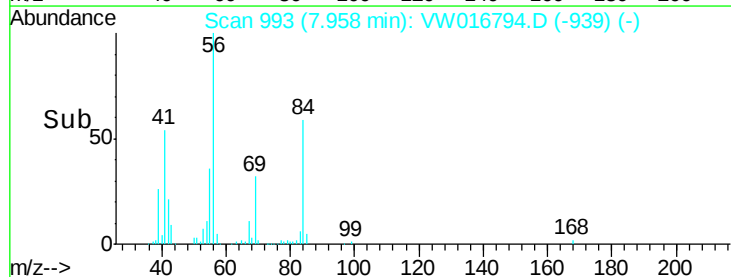
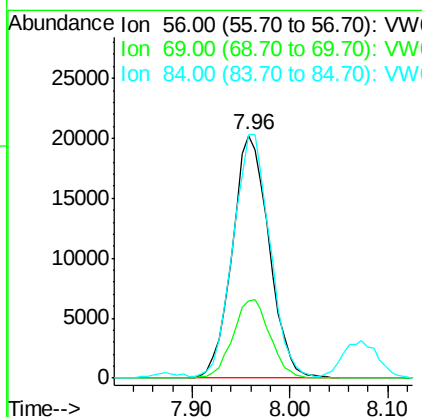
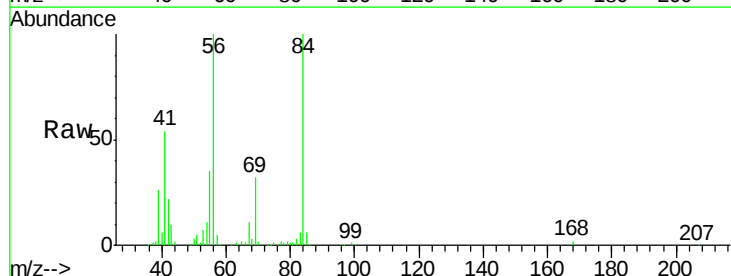
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

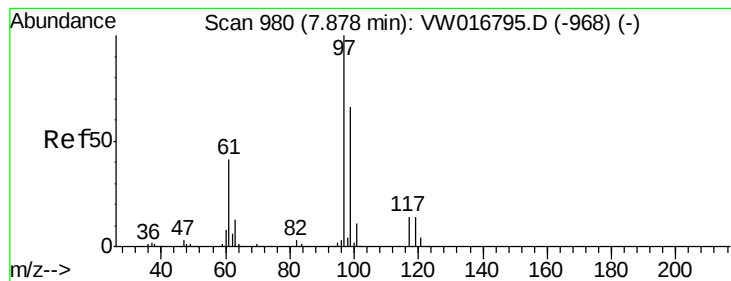
Tgt Ion: 62 Resp: 38763
 Ion Ratio Lower Upper
 62 100
 98 9.8 8.6 12.8



#30
 Cyclohexane
 Concen: 4.629 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion: 56 Resp: 52798
 Ion Ratio Lower Upper
 56 100
 69 32.6 26.1 39.1
 84 100.8 79.3 118.9





#31

1,1,1-Trichloroethane

Concen: 4.654 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

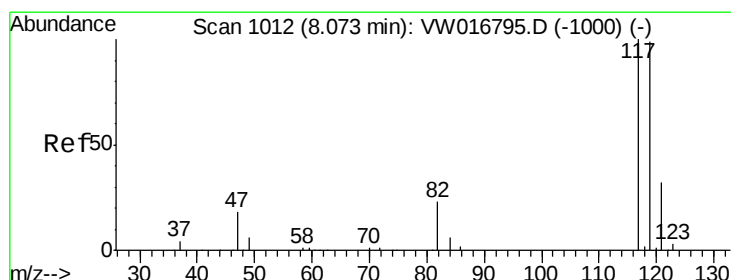
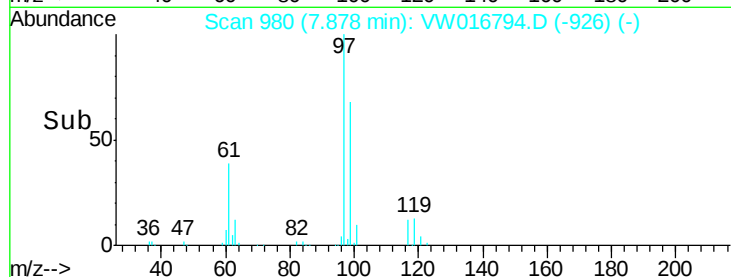
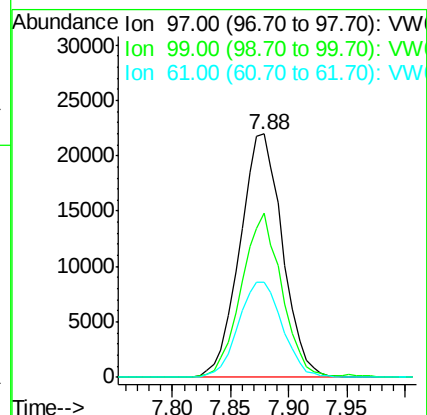
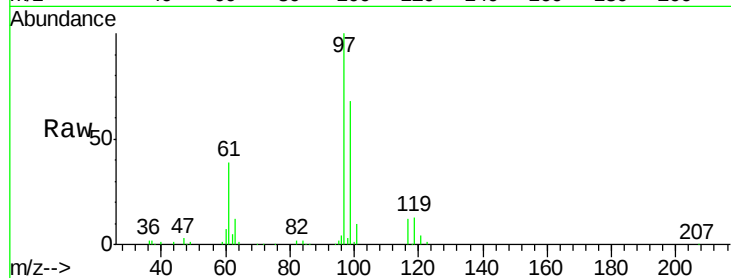
Tgt Ion: 97 Resp: 55844

Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 40.2 32.5 48.7



#32

Carbon tetrachloride

Concen: 4.471 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016794.D

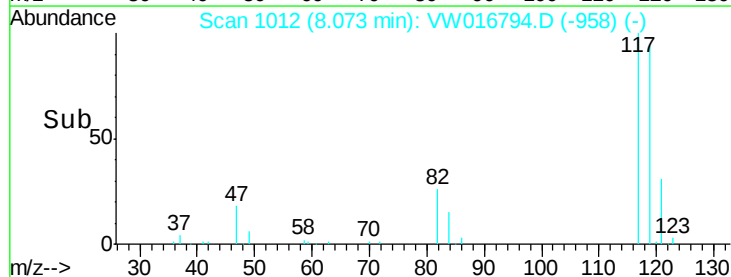
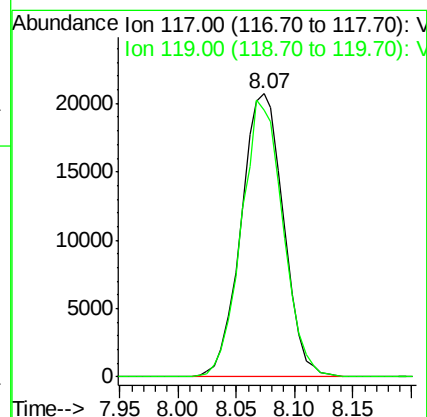
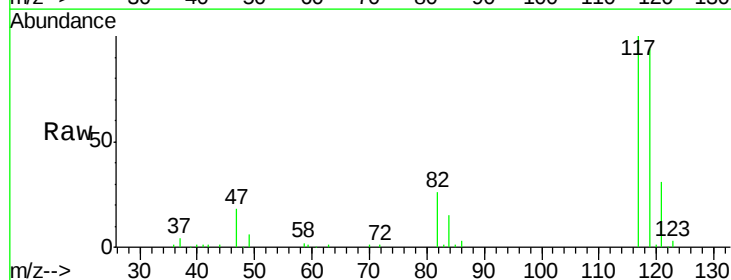
Acq: 06 Oct 2020 14:25

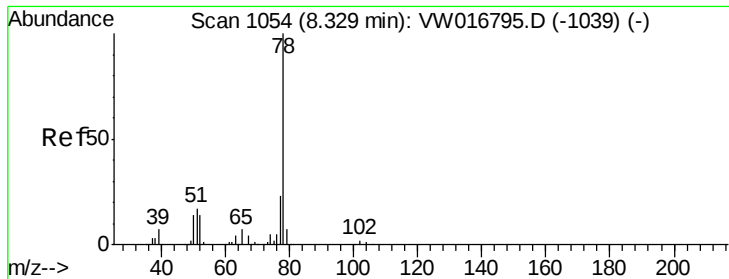
Tgt Ion: 117 Resp: 52543

Ion Ratio Lower Upper

117 100

119 95.4 77.4 116.0





#34

Benzene

Concen: 5.075 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

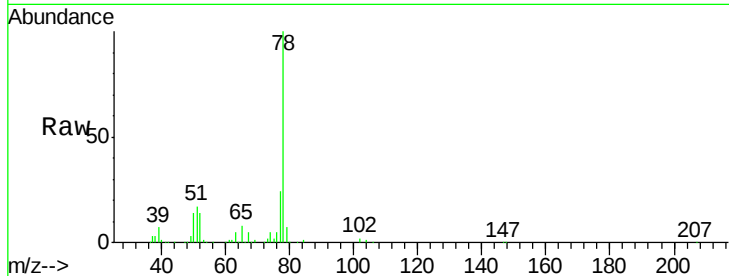
Instrument :

MSVOA_W

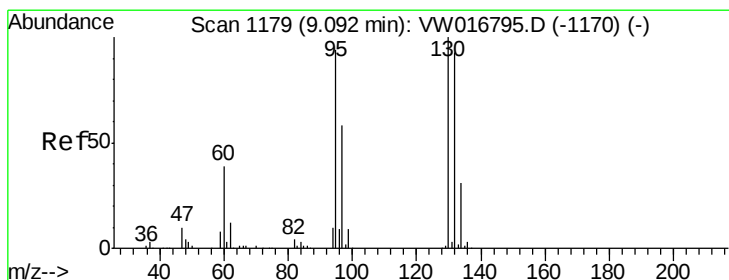
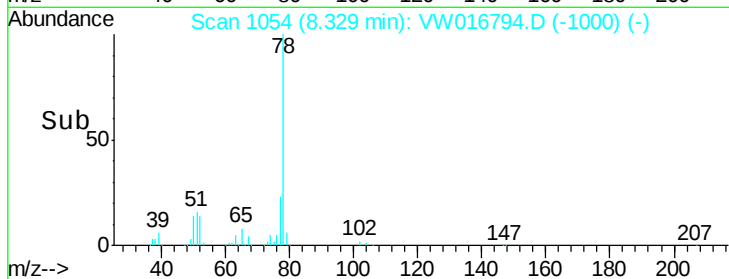
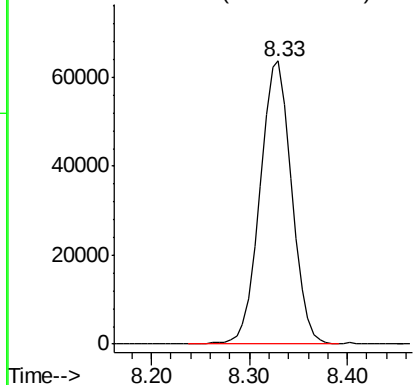
ClientSampleId :

VSTD00503

Tgt Ion: 78 Resp: 142926



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.902 ug/L

RT: 9.10 min Scan# 1180

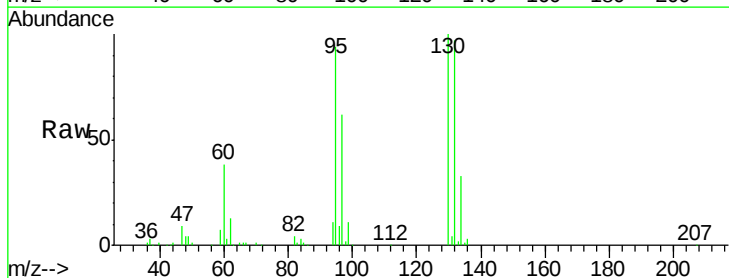
Delta R.T. 0.01 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Tgt Ion: 95 Resp: 39786

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.7	83.1
132	107.8	73.8	137.2
130	111.7	77.1	143.3

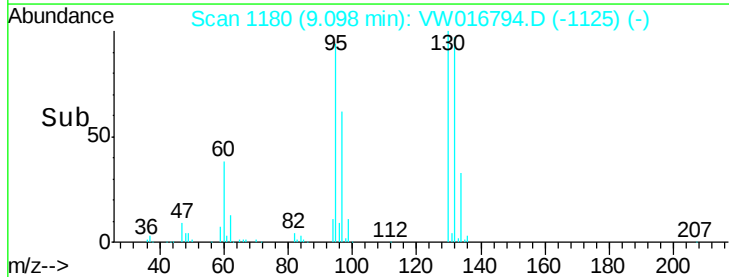
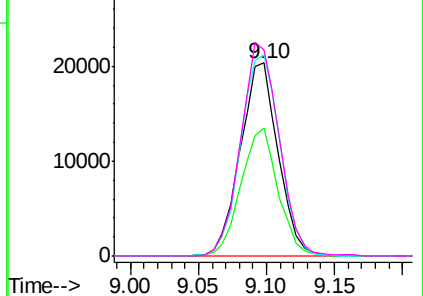


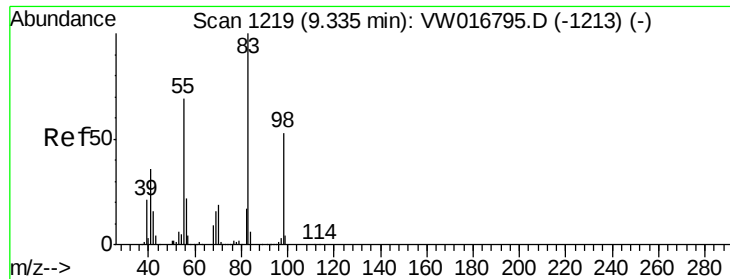
Abundance Ion 95.00 (94.70 to 95.70): VW

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

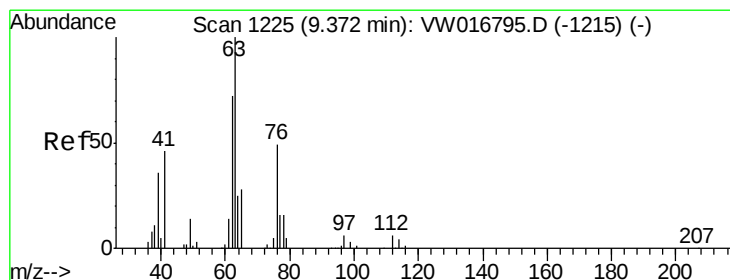
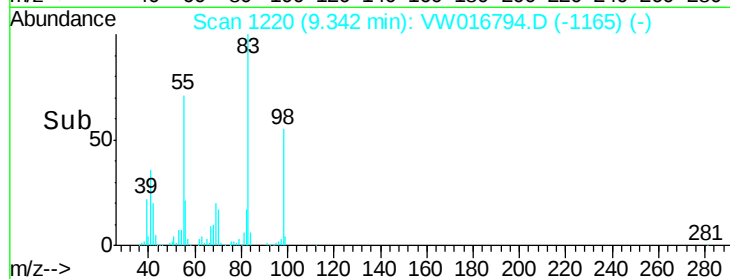
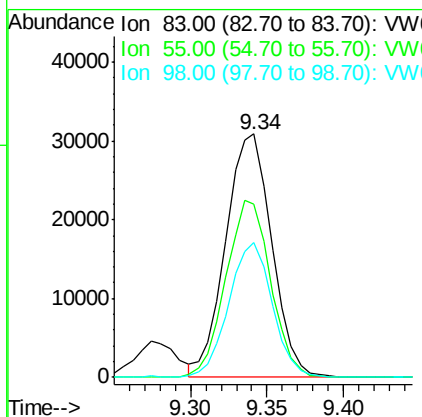
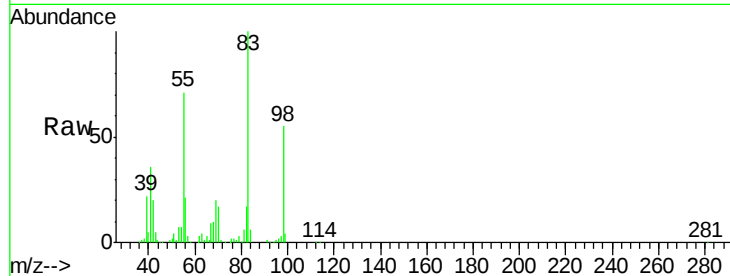




#36
Methylcyclohexane
Concen: 4.693 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

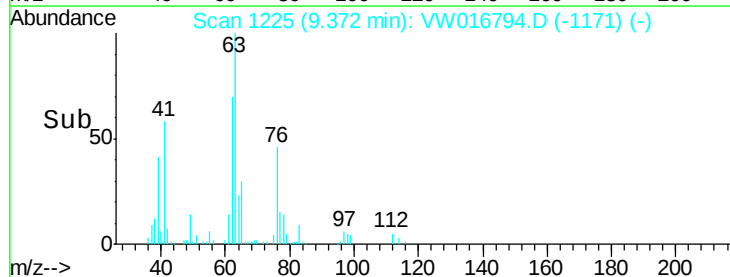
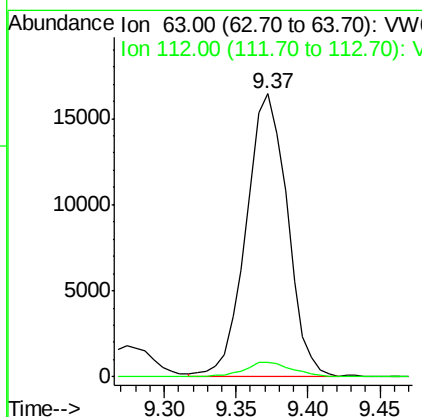
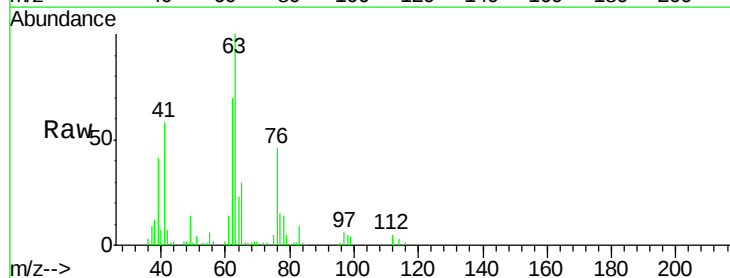
Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

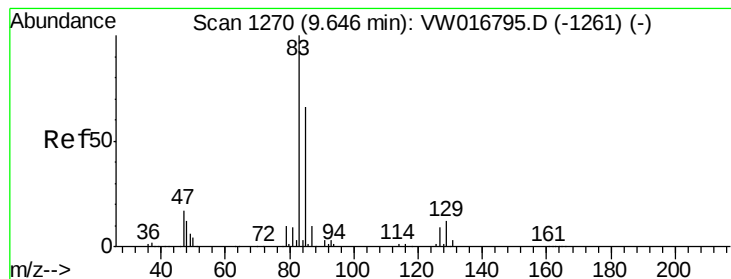
Tgt Ion: 83 Resp: 64525
Ion Ratio Lower Upper
83 100
55 70.7 54.2 81.4
98 52.2 41.4 62.2



#40
1,2-Dichloropropane
Concen: 5.012 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Tgt Ion: 63 Resp: 32620
Ion Ratio Lower Upper
63 100
112 5.7 4.5 6.7





#41

Bromodichloromethane

Concen: 4.540 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

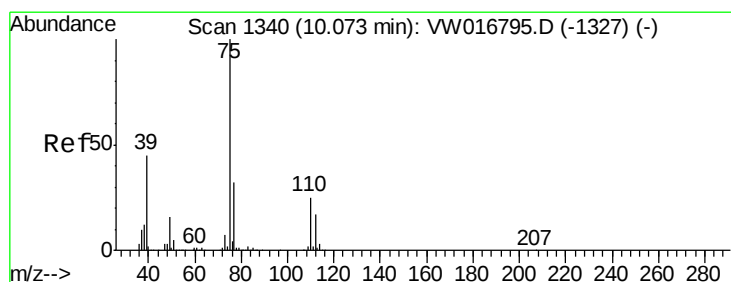
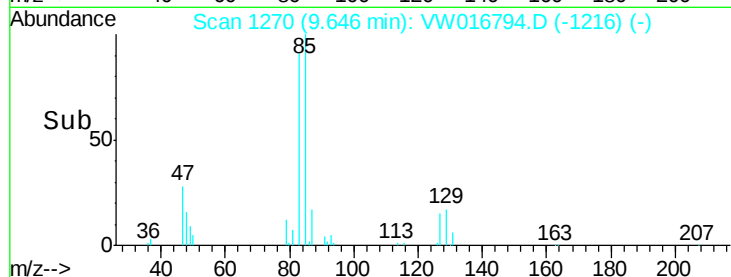
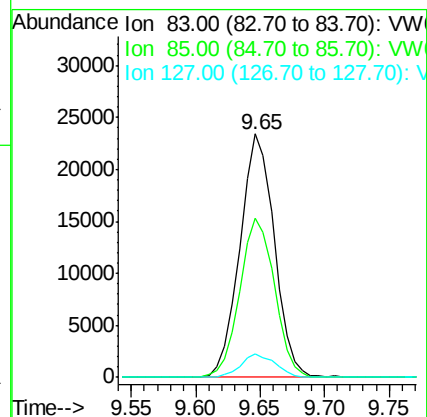
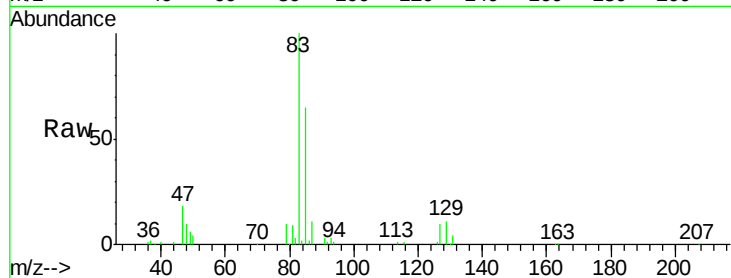
Tgt Ion: 83 Resp: 43353

Ion Ratio Lower Upper

83 100

85 65.3 46.2 85.8

127 9.8 7.5 11.3



#42

cis-1,3-Dichloropropene

Concen: 4.312 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016794.D

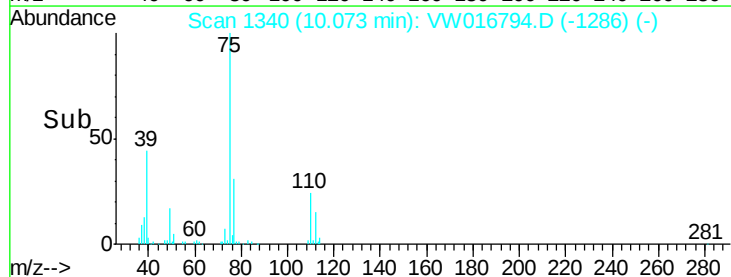
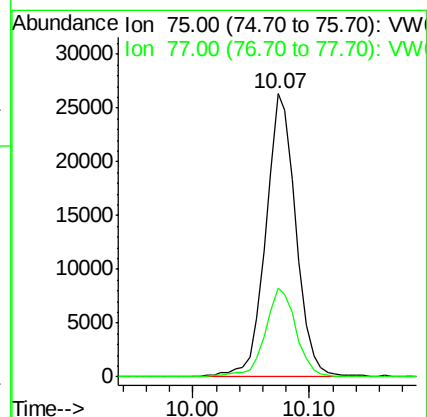
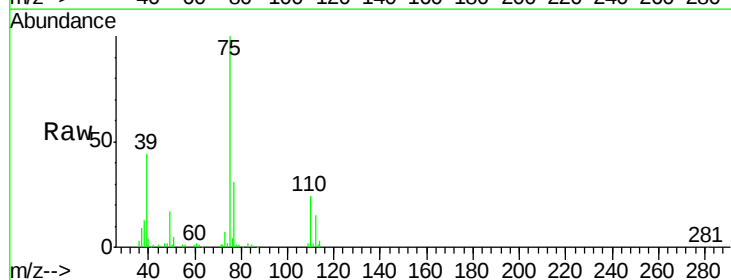
Acq: 06 Oct 2020 14:25

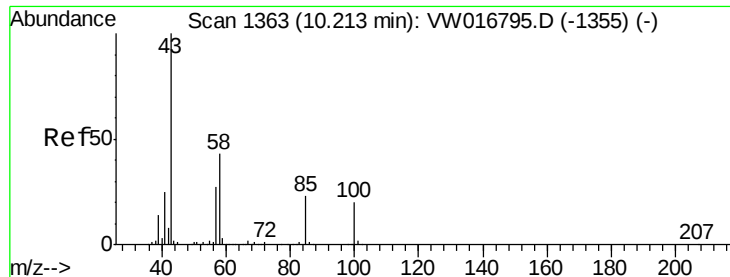
Tgt Ion: 75 Resp: 47389

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1





#43

4-Methyl-2-pentanone

Concen: 7.776 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

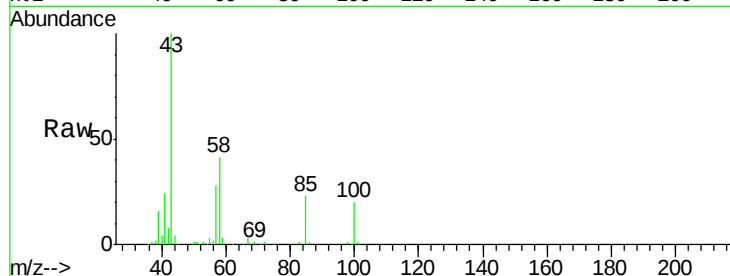
Tgt Ion: 43 Resp: 30933

Ion Ratio Lower Upper

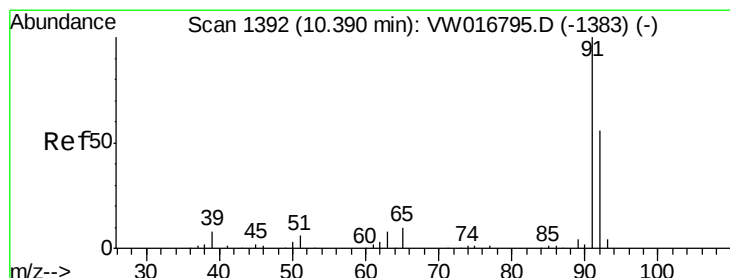
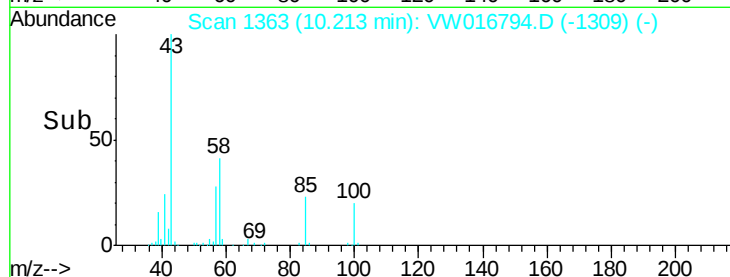
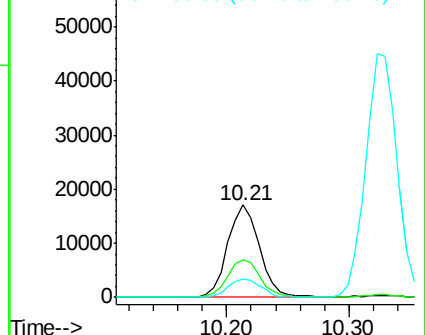
43 100

58 41.6 34.7 52.1

100 20.1 16.9 25.3



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: 4.971 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016794.D

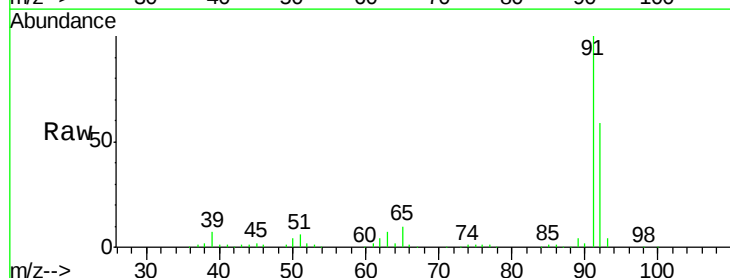
Acq: 06 Oct 2020 14:25

Tgt Ion: 91 Resp: 156898

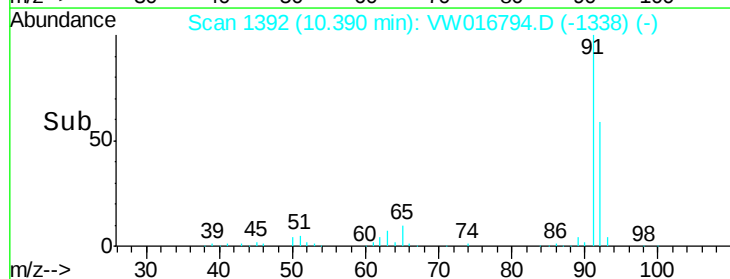
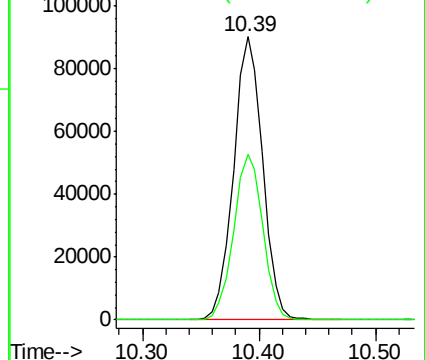
Ion Ratio Lower Upper

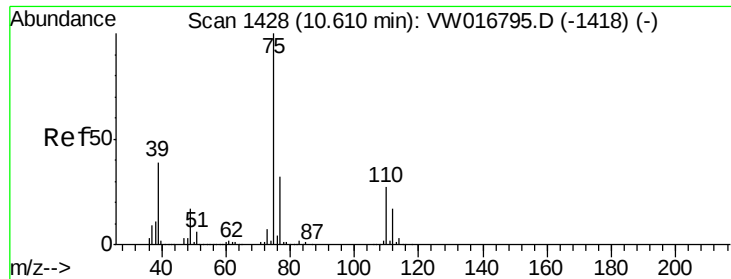
91 100

92 58.6 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: 4.057 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

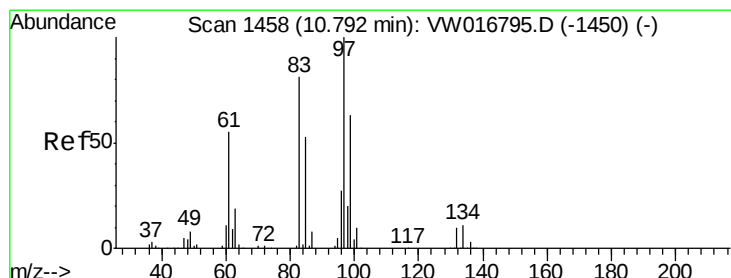
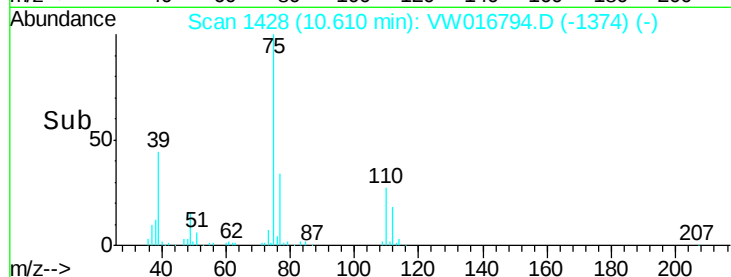
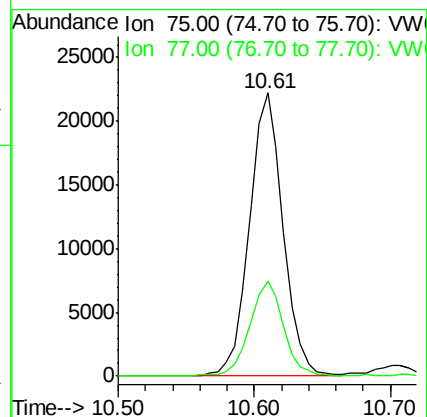
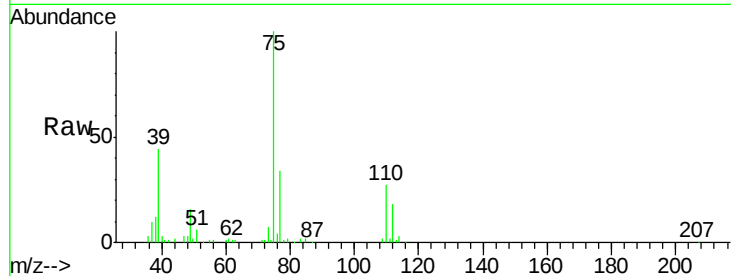
VSTD00503

Tgt Ion: 75 Resp: 38461

Ion Ratio Lower Upper

75 100

77 33.8 22.2 41.2



#46

1,1,2-Trichloroethane

Concen: 4.834 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Tgt Ion: 97 Resp: 26221

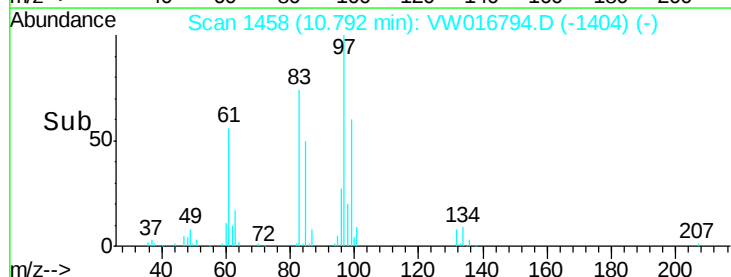
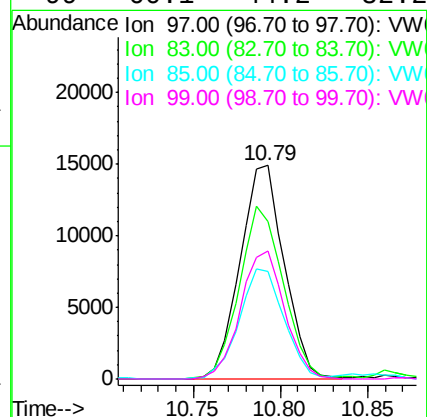
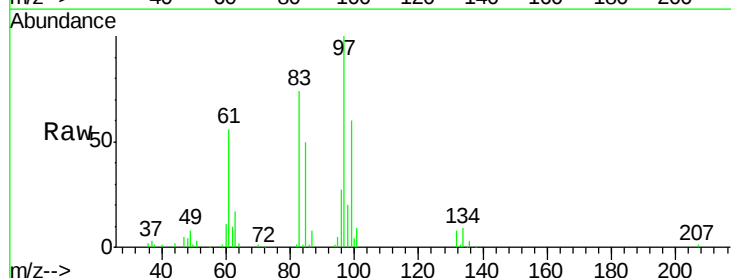
Ion Ratio Lower Upper

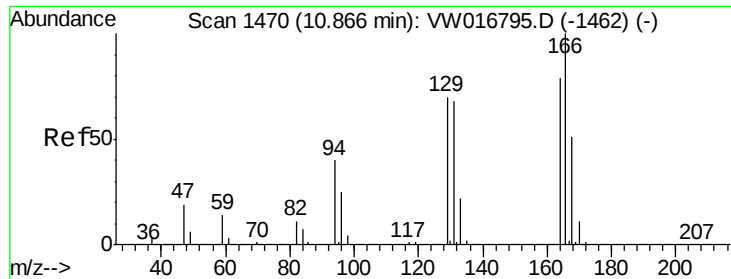
97 100

83 73.7 56.8 105.4

85 50.1 37.0 68.6

99 60.1 44.2 82.2





#47

Tetrachloroethene

Concen: 5.036 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

VSTD00503

Tgt Ion:164 Resp: 36879

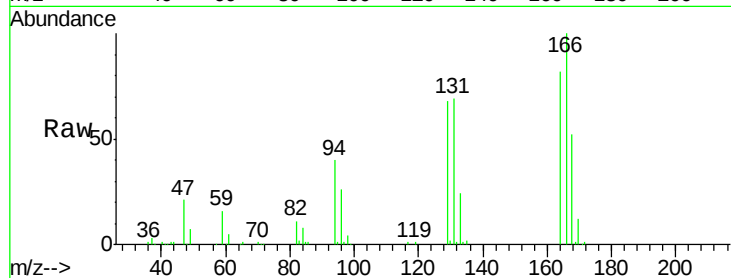
Ion Ratio Lower Upper

164 100

129 83.1 61.7 114.7

131 83.9 59.7 110.9

166 122.4 88.3 164.1

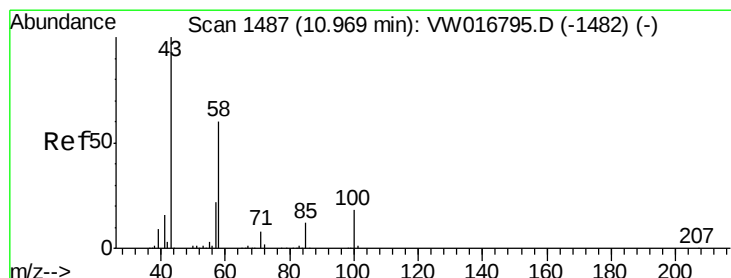
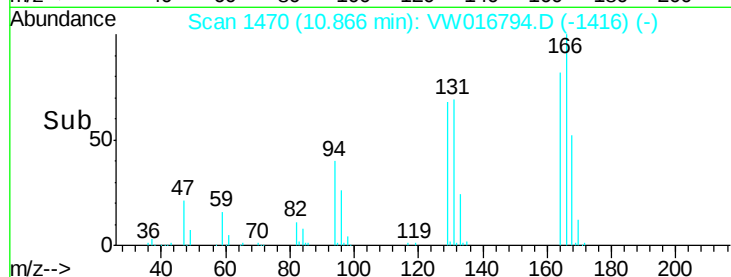
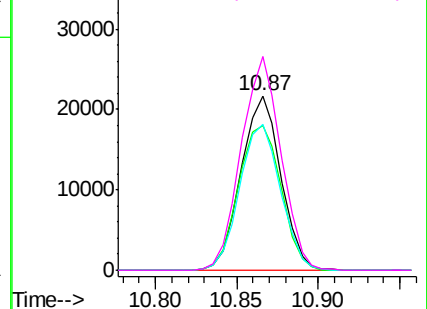


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 7.960 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Tgt Ion: 43 Resp: 20089

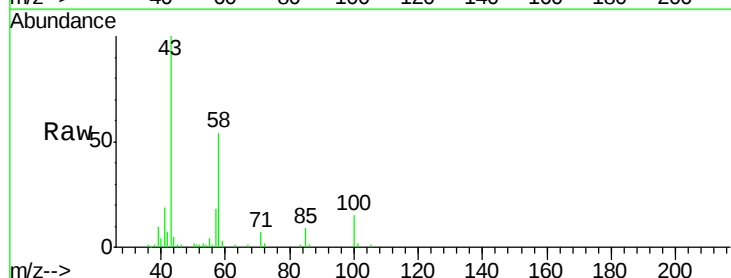
Ion Ratio Lower Upper

43 100

58 58.7 47.1 70.7

57 20.5 16.2 24.4

100 14.9 13.3 19.9

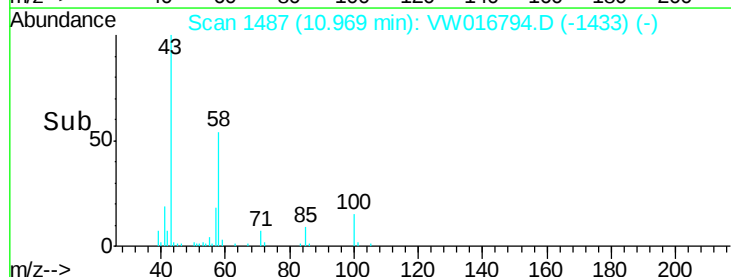
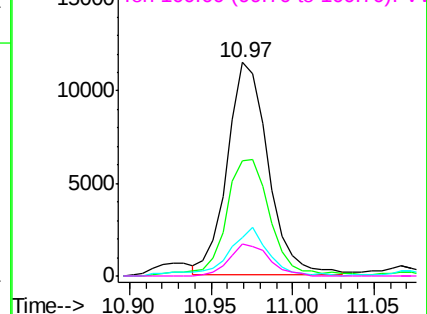


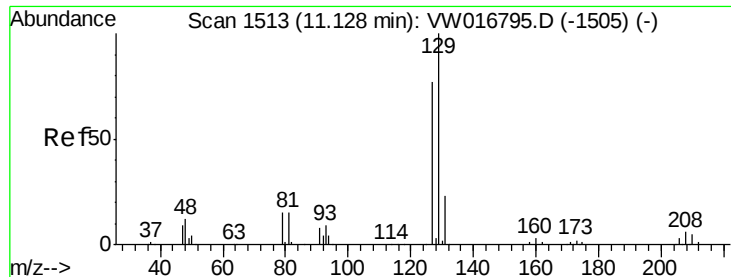
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.395 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

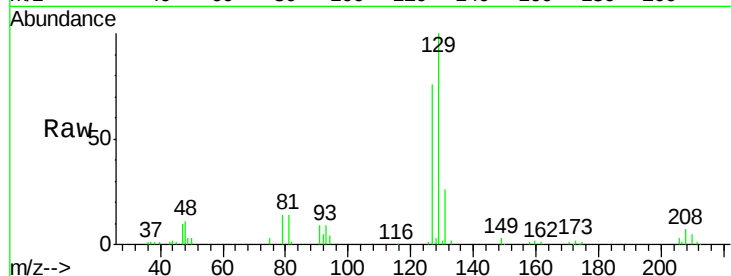
VSTD00503

Tgt Ion:129 Resp: 30902

Ion Ratio Lower Upper

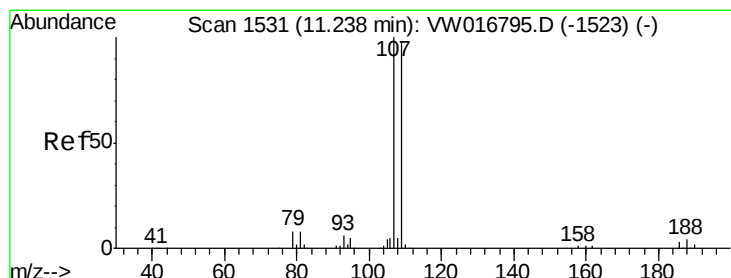
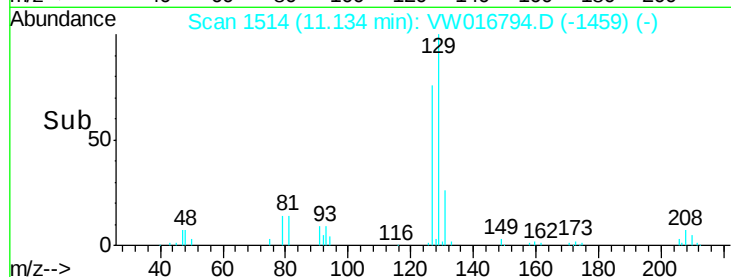
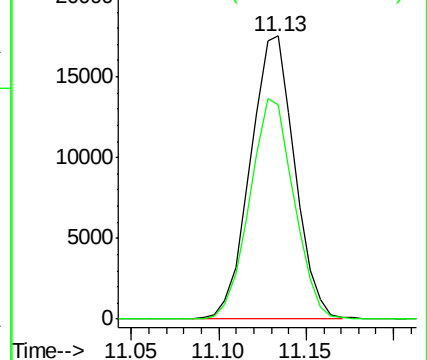
129 100

127 75.9 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.659 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

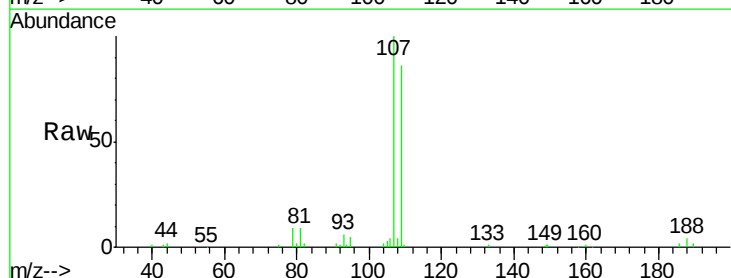
Tgt Ion:107 Resp: 25250

Ion Ratio Lower Upper

107 100

109 85.9 68.4 127.0

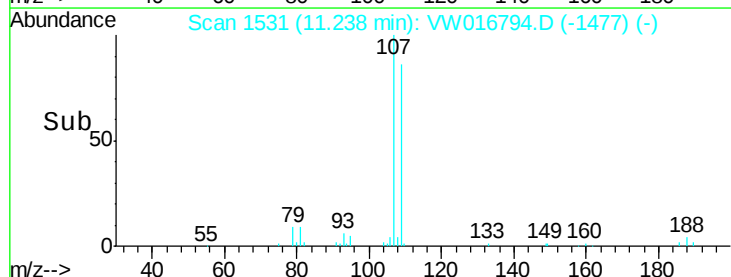
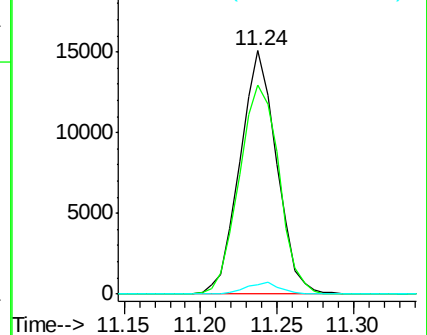
188 3.9 3.4 5.0

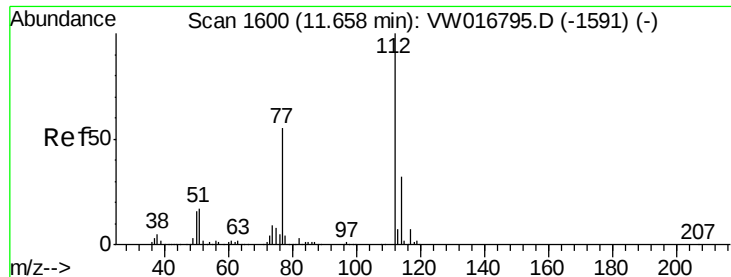


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

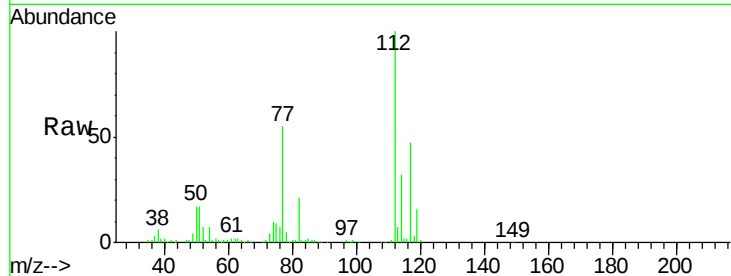




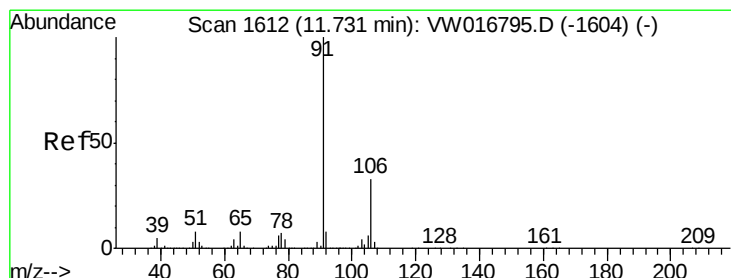
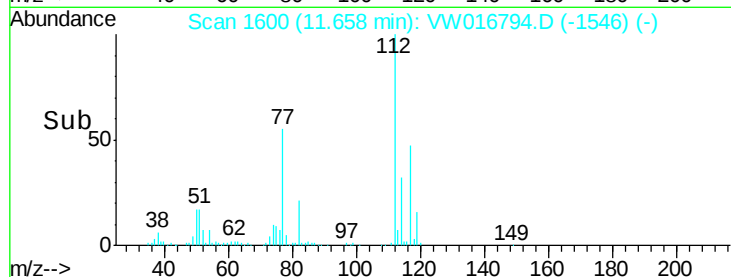
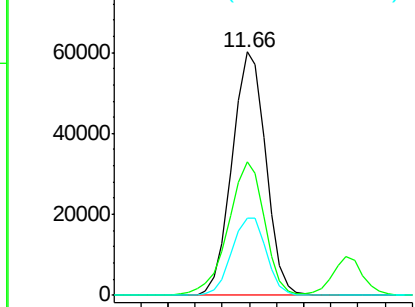
#52
Chlorobenzene
Concen: 4.912 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Tgt Ion: 112 Resp: 104033
Ion Ratio Lower Upper
112 100
77 54.6 44.0 66.0
114 31.8 22.3 41.3

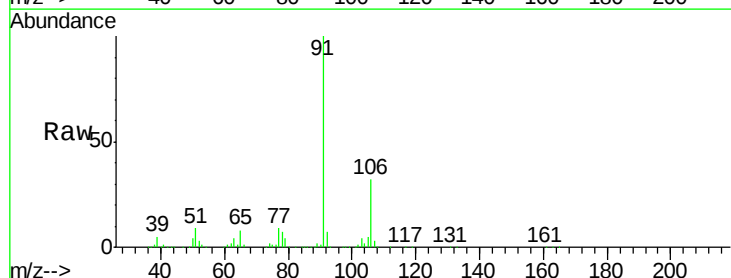


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VW
Ion 114.00 (113.70 to 114.70): V

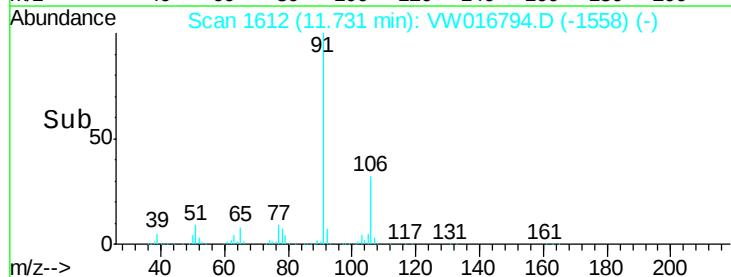
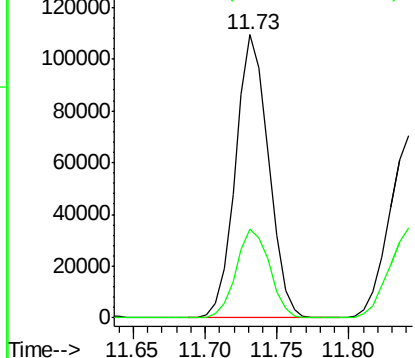


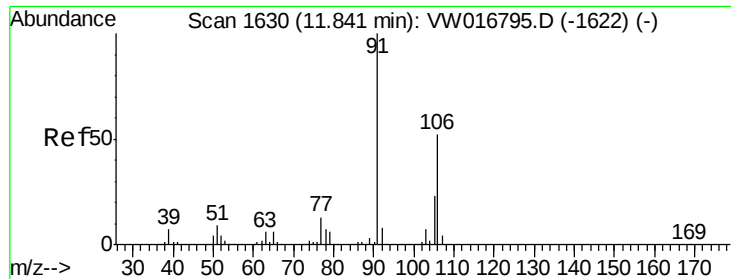
#53
Ethylbenzene
Concen: 4.891 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Tgt Ion: 91 Resp: 174799
Ion Ratio Lower Upper
91 100
106 31.5 22.8 42.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.632 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

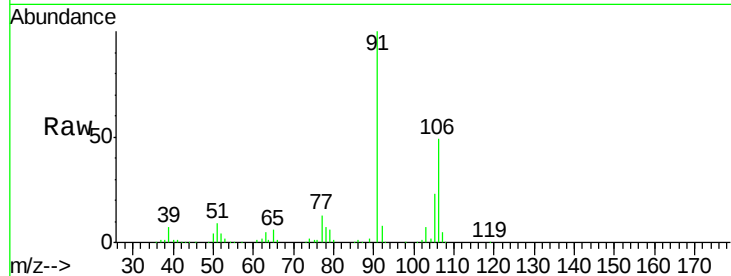
VSTD00503

Tgt Ion:106 Resp: 64989

Ion Ratio Lower Upper

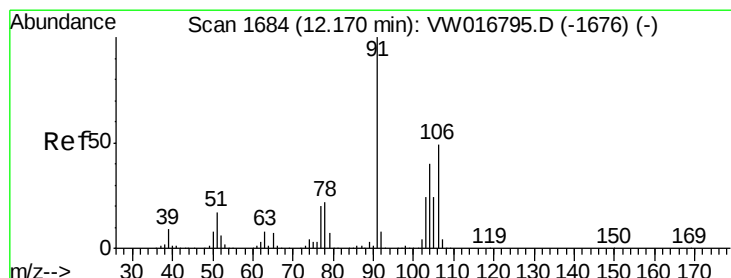
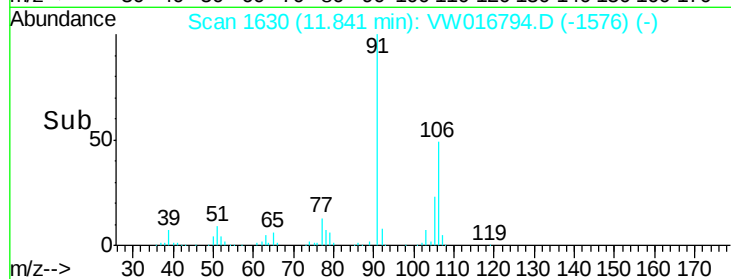
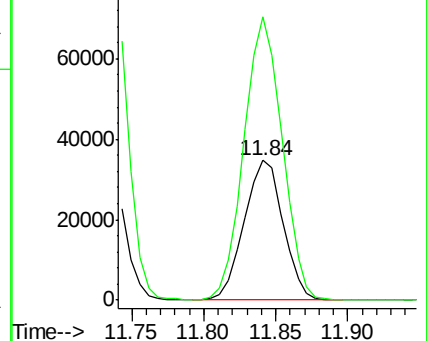
106 100

91 202.4 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 4.775 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016794.D

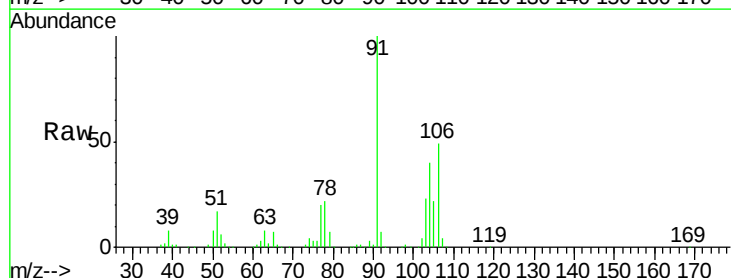
Acq: 06 Oct 2020 14:25

Tgt Ion:106 Resp: 64082

Ion Ratio Lower Upper

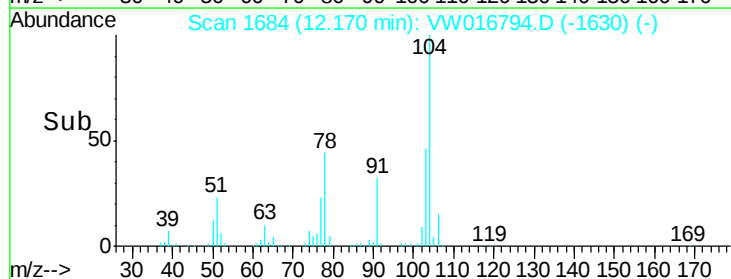
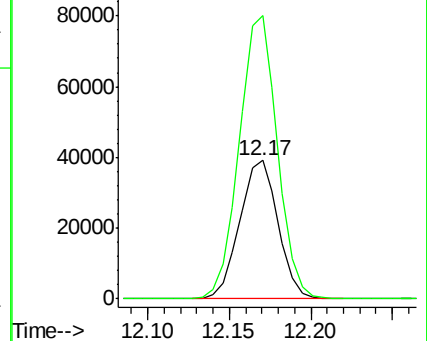
106 100

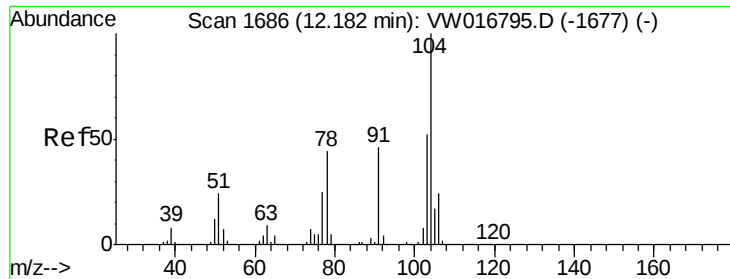
91 204.2 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 4.687 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

Instrument :

MSVOA_W

ClientSampleId :

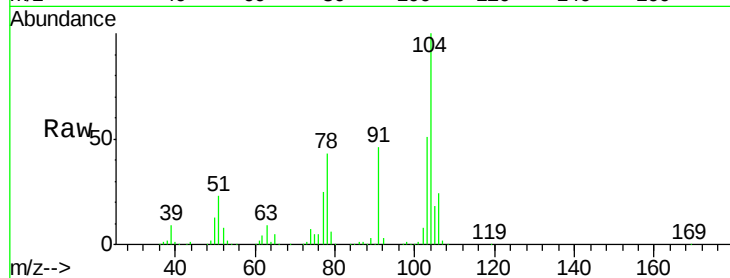
VSTD00503

Tgt Ion:104 Resp: 104062

Ion Ratio Lower Upper

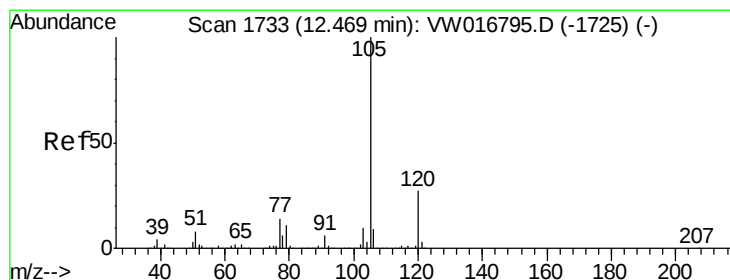
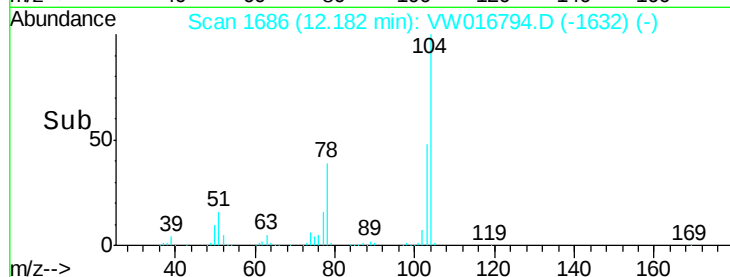
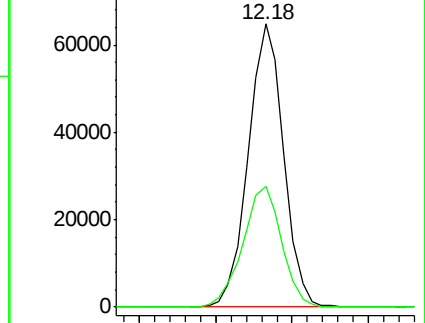
104 100

78 42.6 30.7 57.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 4.654 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016794.D

Acq: 06 Oct 2020 14:25

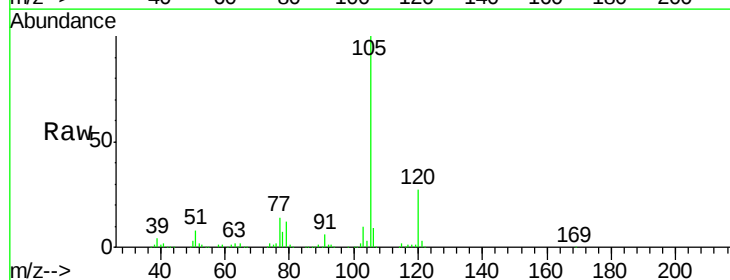
Tgt Ion:105 Resp: 170827

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

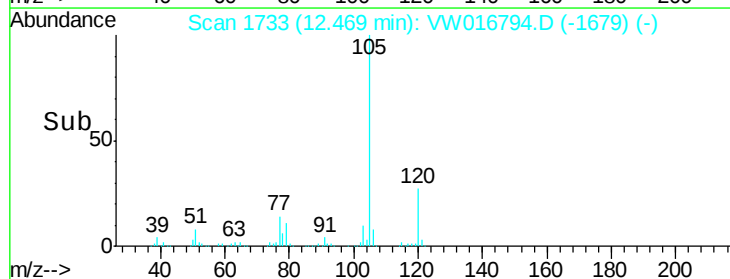
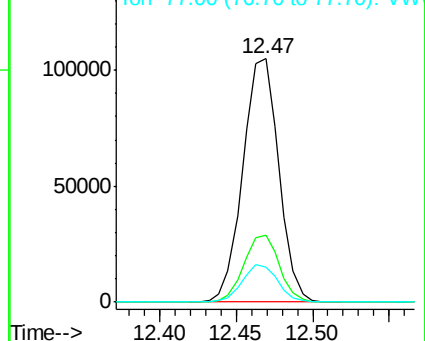
77 15.1 11.4 17.2

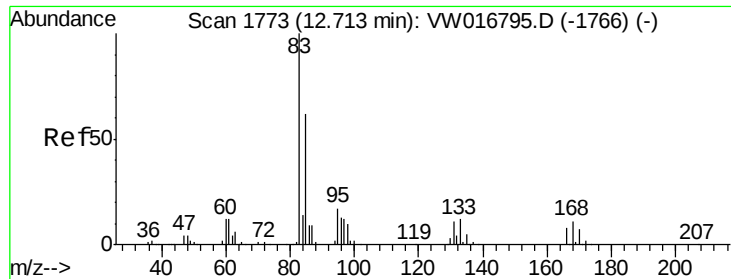


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

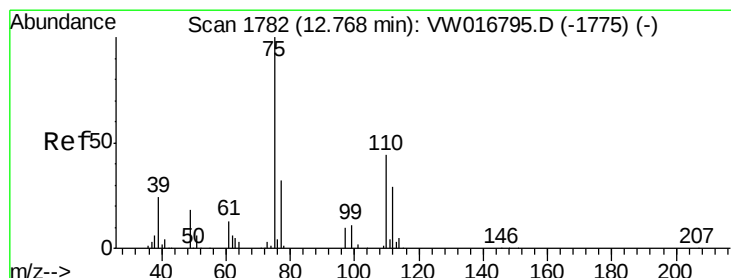
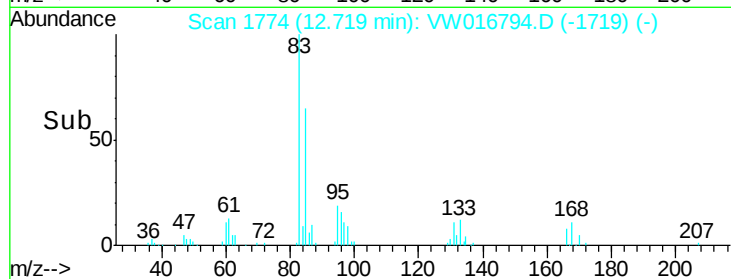
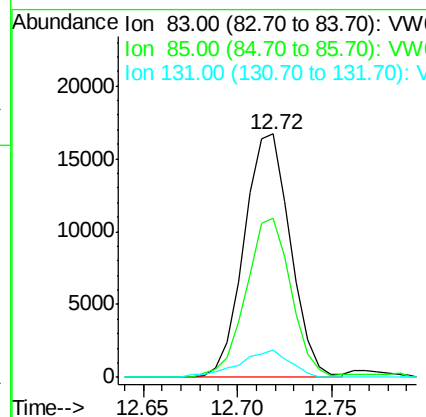
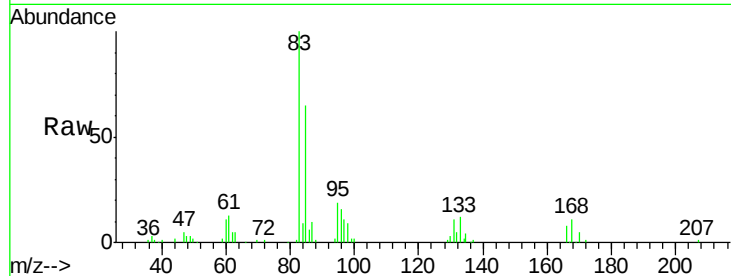




#58
 1,1,2,2-Tetrachloroethane
 Concen: 4.707 ug/L
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.01 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

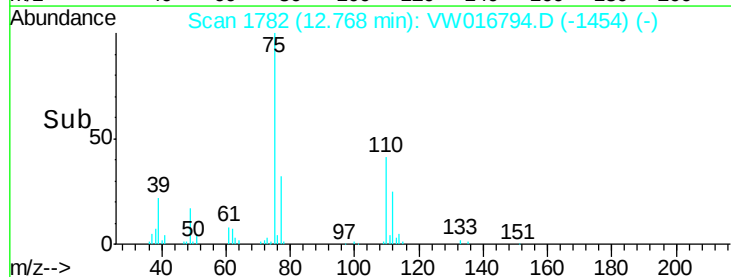
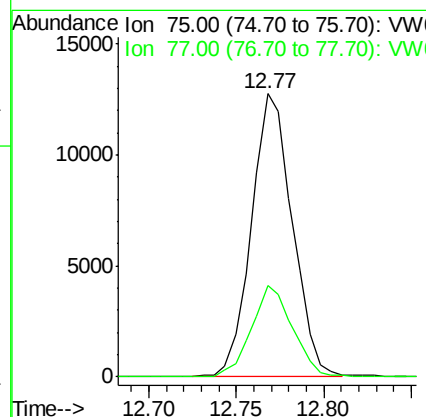
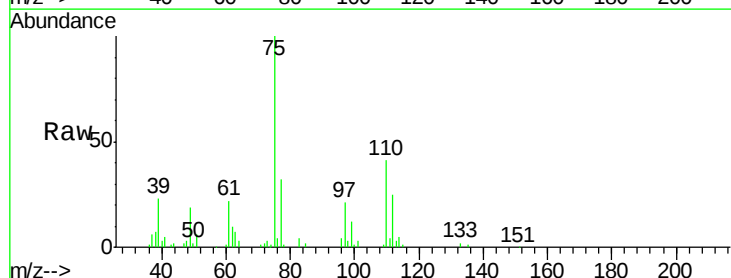
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

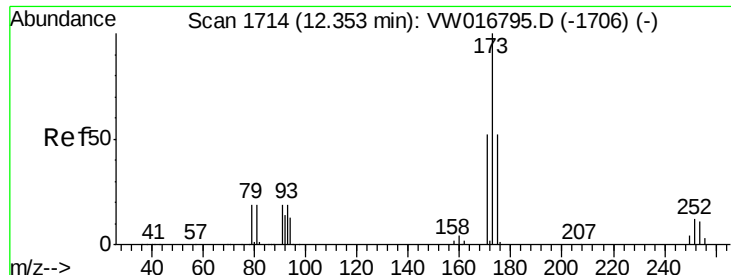
Tgt Ion: 83 Resp: 28483
 Ion Ratio Lower Upper
 83 100
 85 65.2 43.3 80.5
 131 11.0 9.0 13.4



#59
 1,2,3-Trichloropropane
 Concen: 4.647 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion: 75 Resp: 20773
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2

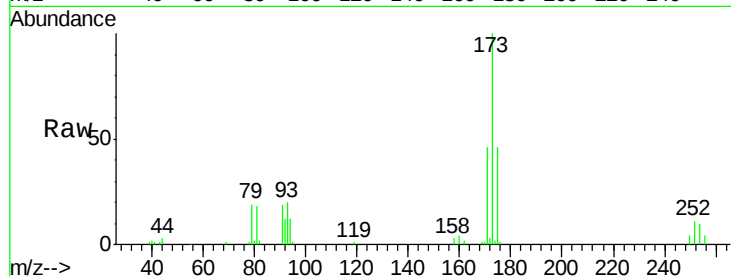




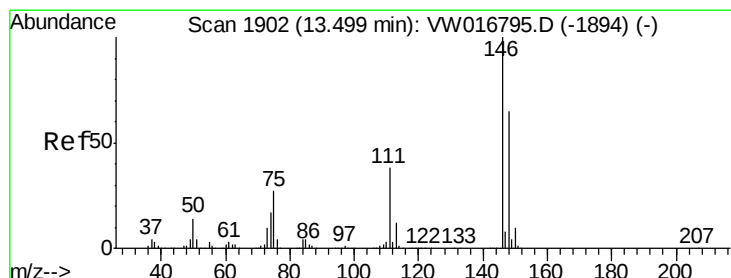
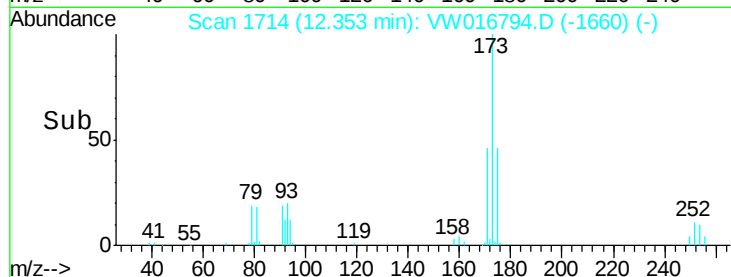
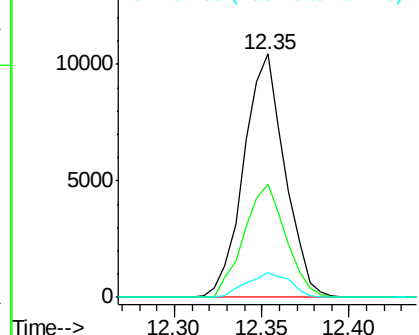
#62
Bromoform
Concen: 4.017 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Instrument :
MSVOA_W
ClientSampleId :
VSTD00503

Tgt Ion:173 Resp: 17051
Ion Ratio Lower Upper
173 100
175 47.1 39.9 59.9
254 10.7 8.7 13.1

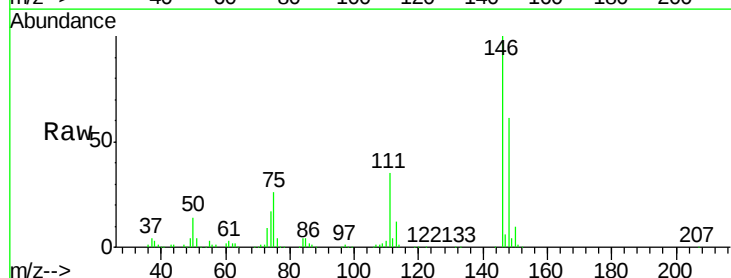


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

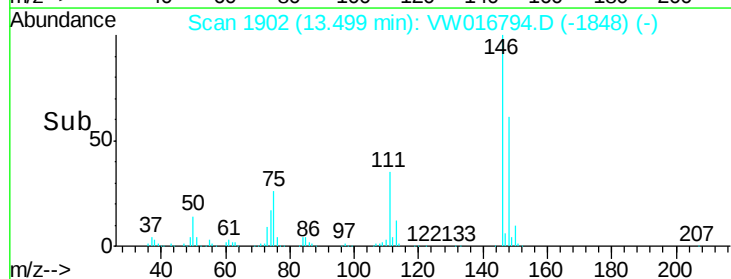
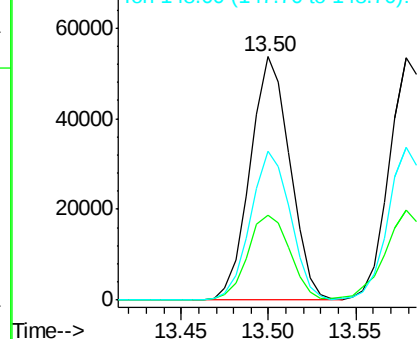


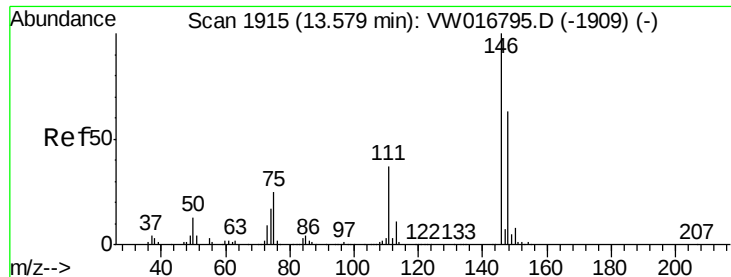
#63
1,3-Dichlorobenzene
Concen: 5.010 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW016794.D
Acq: 06 Oct 2020 14:25

Tgt Ion:146 Resp: 85056
Ion Ratio Lower Upper
146 100
111 35.0 26.9 49.9
148 61.3 45.7 84.9



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

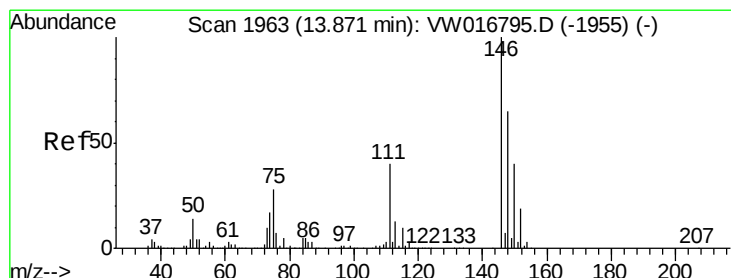
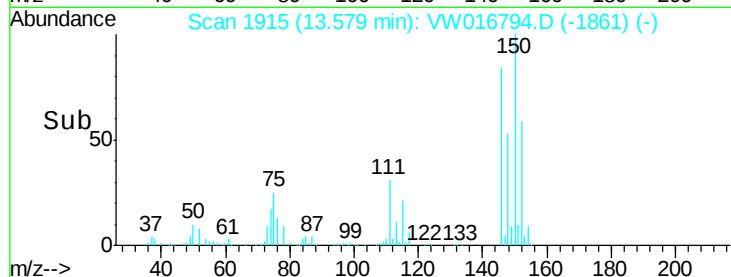
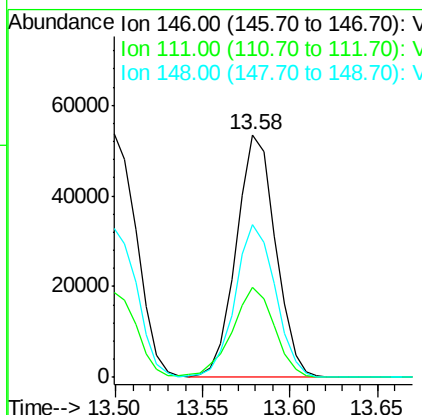
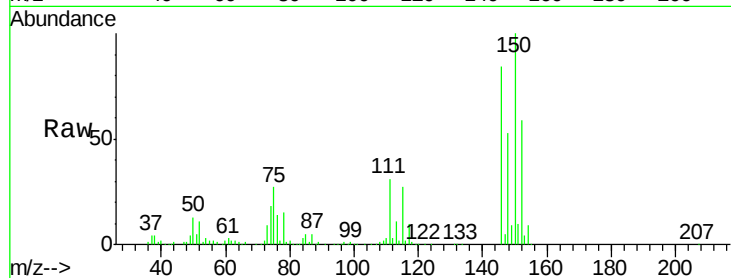




#64
 1,4-Dichlorobenzene
 Concen: 5.027 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

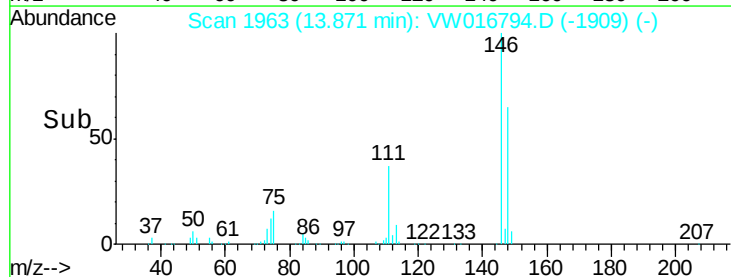
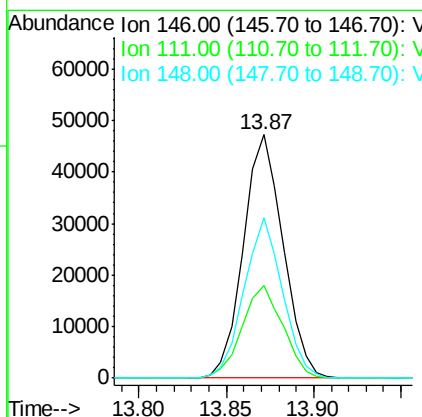
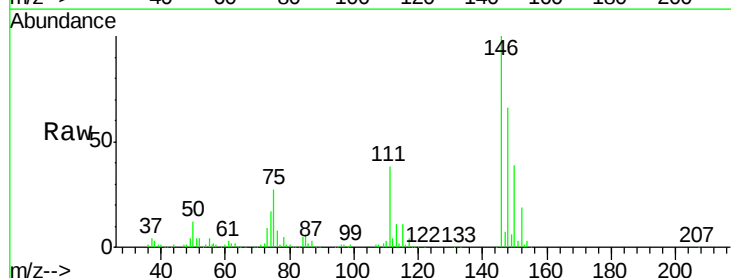
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

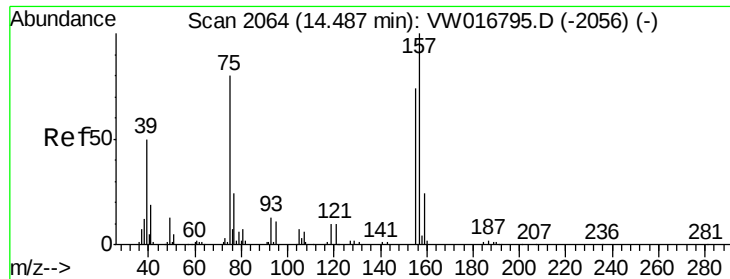
Tgt Ion:146 Resp: 83322
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.4
 148 62.9 43.9 81.5



#65
 1,2-Dichlorobenzene
 Concen: 4.943 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion:146 Resp: 74696
 Ion Ratio Lower Upper
 146 100
 111 38.1 32.1 48.1
 148 65.7 51.8 77.6

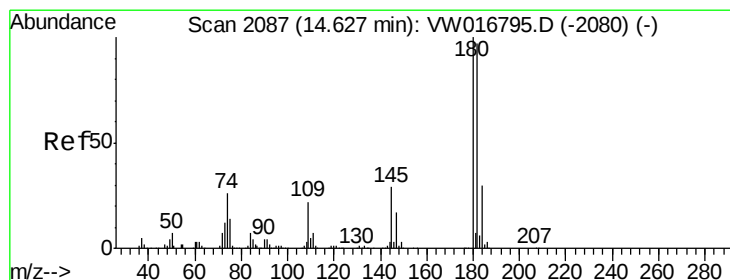
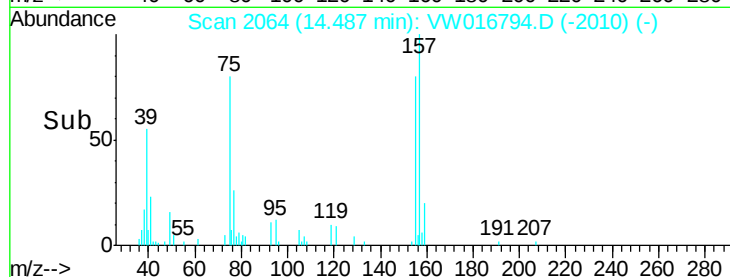
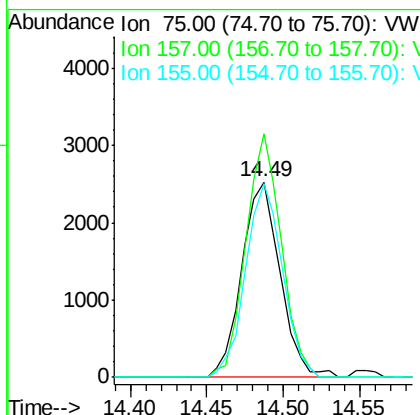
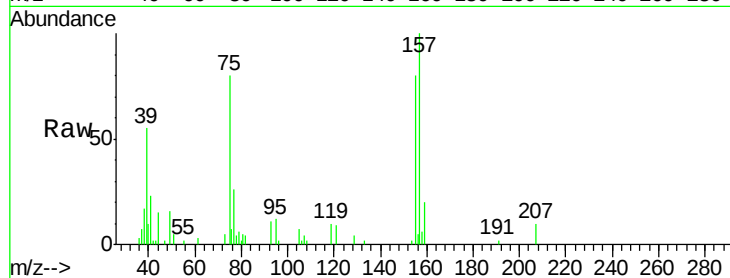




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.204 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

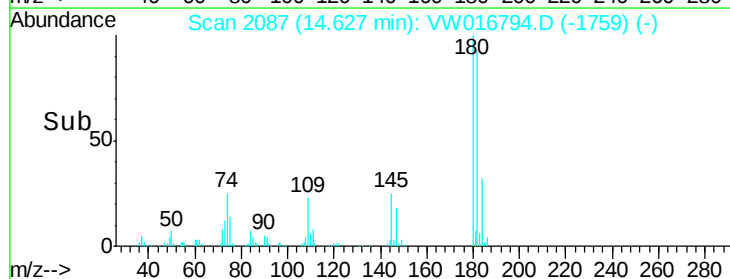
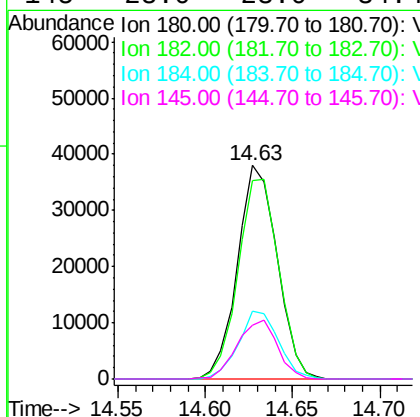
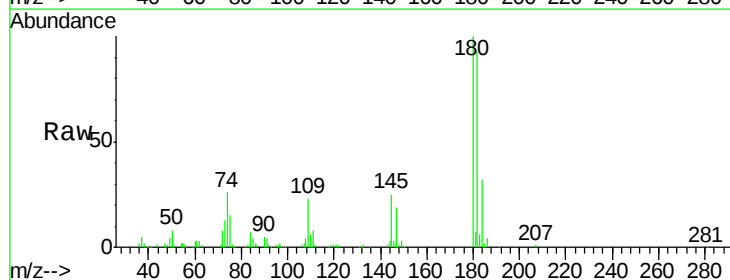
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

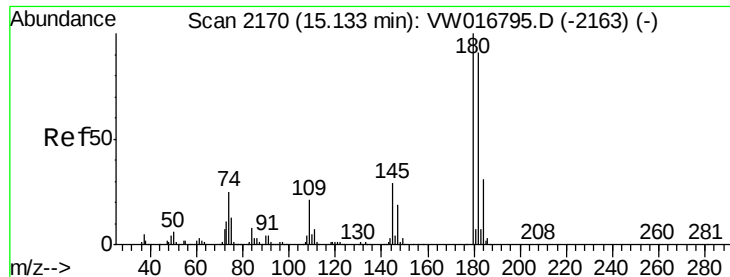
Tgt Ion: 75 Resp: 4381
 Ion Ratio Lower Upper
 75 100
 157 124.7 100.5 150.7
 155 99.2 74.7 112.1



#67
 1,3,5-Trichlorobenzene
 Concen: 4.885 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion: 180 Resp: 60105
 Ion Ratio Lower Upper
 180 100
 182 96.0 79.0 118.6
 184 31.9 24.9 37.3
 145 28.0 23.0 34.4

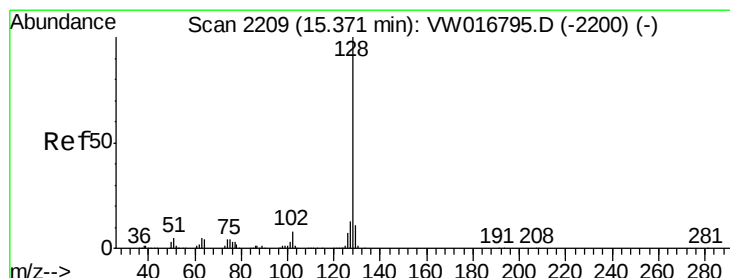
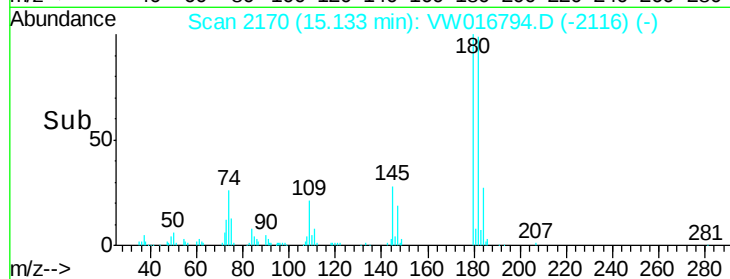
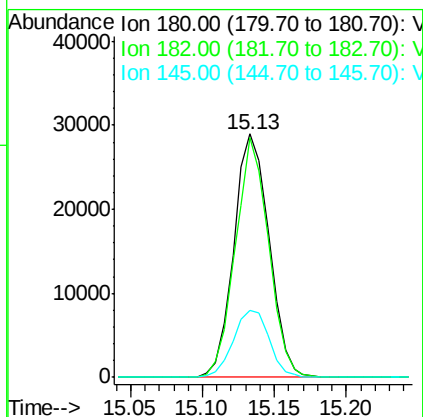
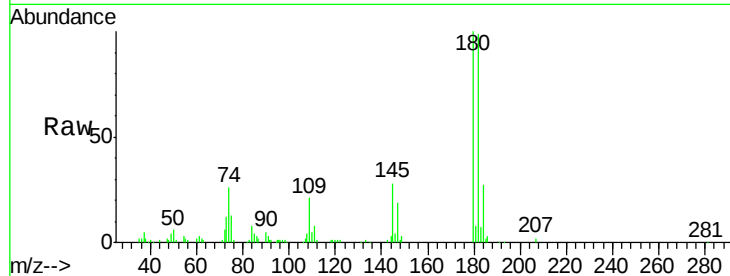




#68
 1,2,4-trichlorobenzene
 Concen: 4.954 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

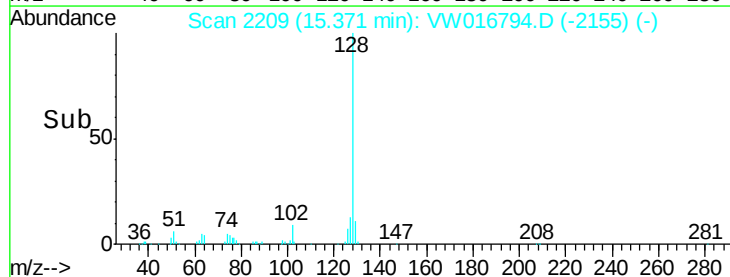
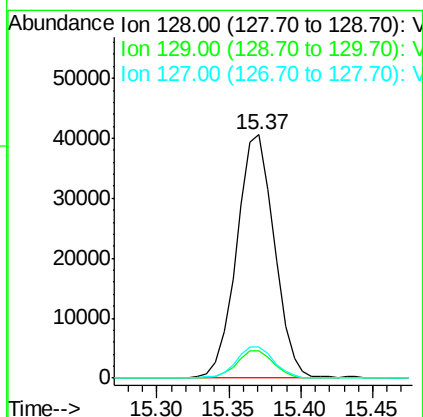
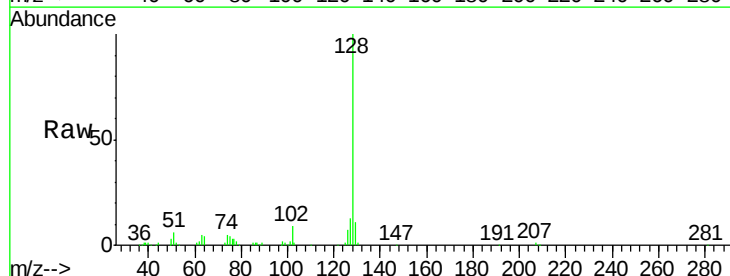
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

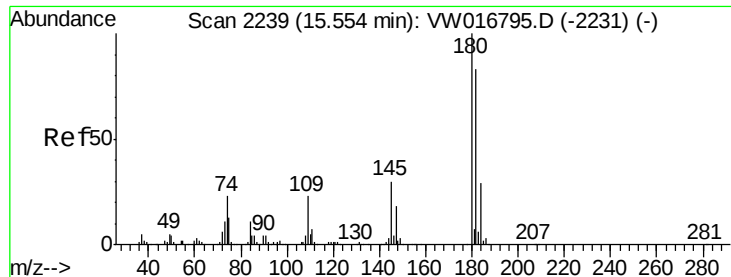
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	74.2	111.2
145	28.2	23.4	35.0



#69
 Naphthalene
 Concen: 4.236 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.9	10.1	15.1

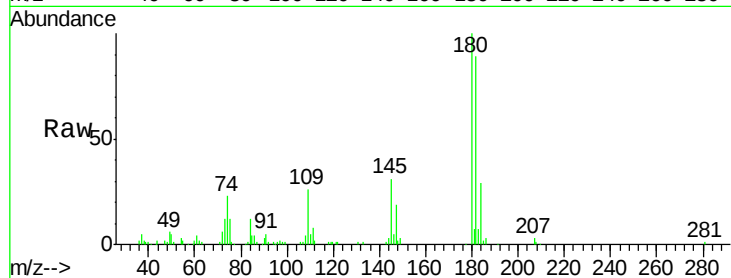




#70
 1,2,3-Trichlorobenzene
 Concen: 4.890 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW016794.D
 Acq: 06 Oct 2020 14:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.1	111.1
145	30.4	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

