

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV100720\
 Data File : VW016797.D
 Acq On : 06 Oct 2020 15:35
 Operator : SY/VA
 Sample : VSTD10006
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Quant Time: Oct 06 16:05:02 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	543353	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	496979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	252017	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	522501	97.87	ug/L	0.00
7) Chloroethane-d5	2.89	69	430679	98.20	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1117314	94.66	ug/L	0.00
20) 2-Butanone-d5	7.09	46	216043	153.61	ug/L	0.00
24) Chloroform-d	7.65	84	1086098	94.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	506755	86.66	ug/L	0.00
29) Benzene-d6	8.28	84	2109318	92.78	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	576780	94.26	ug/L	0.00
37) Toluene-d8	10.33	98	2019105	90.81	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	276054	91.34	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	189379	174.21	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	452576	87.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	746263	91.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	702705	103.988 ug/L	97
3) Chloromethane	2.22	50	614893	120.379 ug/L	98
5) Vinyl chloride	2.37	62	772400	104.926 ug/L	99
6) Bromomethane	2.79	94	566160	102.606 ug/L	99
8) Chloroethane	2.93	64	470416	107.425 ug/L	100
9) Trichlorofluoromethane	3.26	101	637900	90.941 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	741581	104.483 ug/L	99
12) 1,1-Dichloroethene	4.04	96	734481	105.297 ug/L	94
13) Acetone	4.14	43	151937	141.792 ug/L	99
14) Carbon disulfide	4.39	76	2087605	100.231 ug/L	99
15) Methyl Acetate	4.68	43	211944	85.540 ug/L	99
16) Methylene chloride	4.92	84	652103	78.010 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	760734	83.557 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	746572	103.415 ug/L	99
19) 1,1-Dichloroethane	6.22	63	1144291	100.902 ug/L	100
21) 2-Butanone	7.18	43	263936	143.855 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	767872	103.341 ug/L	92
23) Bromochloromethane	7.52	128	349551	97.327 ug/L	97
25) Chloroform	7.68	83	1233497	100.060 ug/L	99
27) 1,2-Dichloroethane	8.40	62	713514	91.586 ug/L	99
30) Cyclohexane	7.96	56	1067882	97.920 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	1056417	92.064 ug/L	99
32) Carbon tetrachloride	8.07	117	1074539	95.620 ug/L	99
34) Benzene	8.33	78	2634917	97.852 ug/L	100
35) Trichloroethene	9.09	95	762438	98.245 ug/L	99
36) Methylcyclohexane	9.34	83	1310625	99.687 ug/L	99
40) 1,2-Dichloropropane	9.37	63	599216	96.283 ug/L	100
41) Bromodichloromethane	9.65	83	883720	96.772 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	1034102	98.398 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	609906	160.336 ug/L	100

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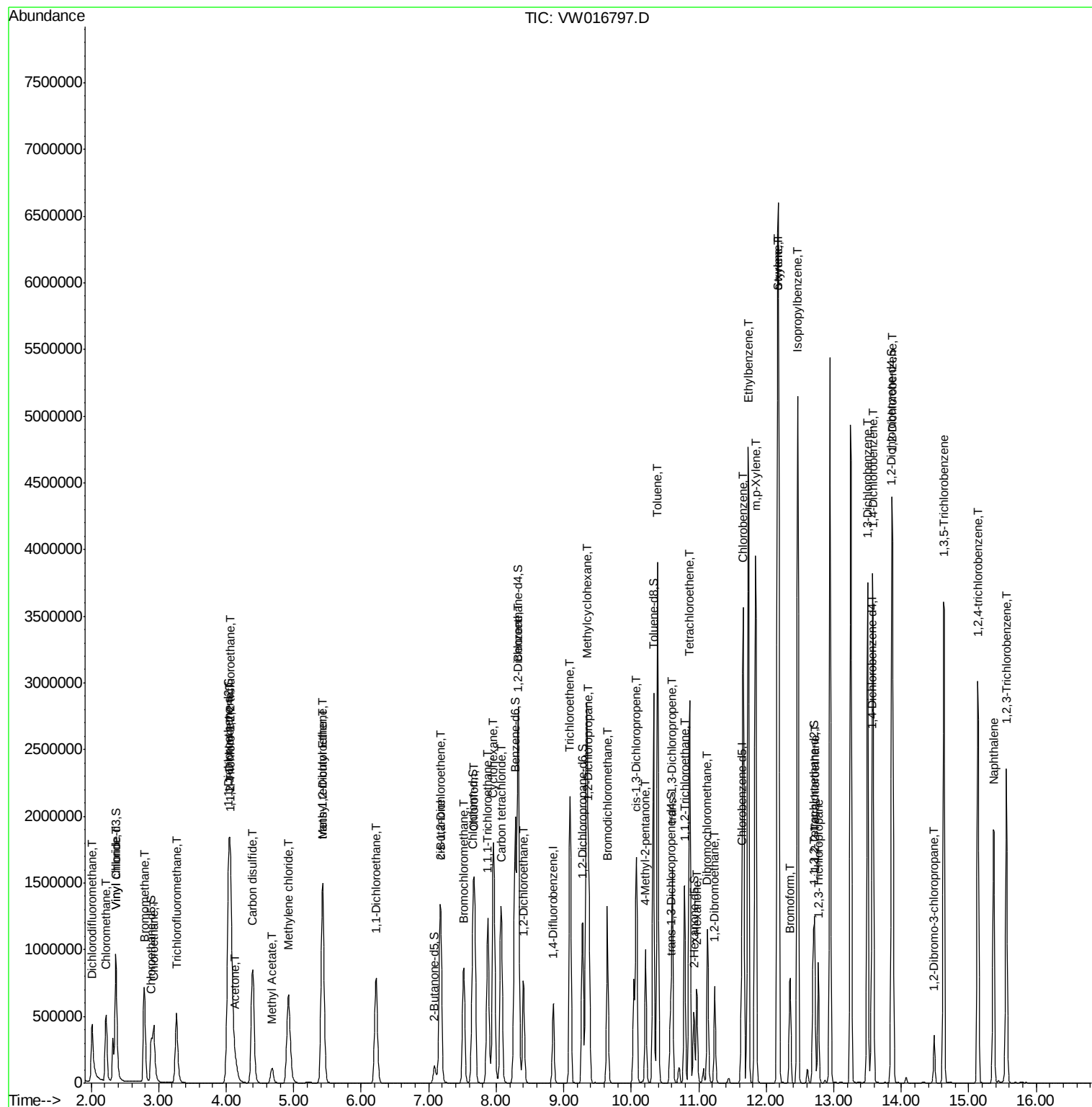
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2959059	98.051	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	880691	97.156	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	487977	94.079	ug/L	99
47) Tetrachloroethene	10.87	164	704483	100.610	ug/L	98
49) 2-Hexanone	10.97	43	410809	170.226	ug/L	98
50) Dibromochloromethane	11.13	129	644624	95.871	ug/L	97
51) 1,2-Dibromoethane	11.24	107	481434	92.902	ug/L	98
52) Chlorobenzene	11.66	112	2003925	98.953	ug/L	98
53) Ethylbenzene	11.73	91	3355796	98.202	ug/L	98
54) m,p-Xylene	11.84	106	1343559	100.148	ug/L	98
55) o-xylene	12.17	106	1297836	101.134	ug/L	99
56) Styrene	12.18	104	2160616	101.769	ug/L	99
57) Isopropylbenzene	12.47	105	3487845	99.365	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	531570	91.876	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	378830	88.622	ug/L	99
62) Bromoform	12.35	173	386984	94.196	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	1644860	100.119	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	1568812	97.812	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1399647	95.701	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	87182	86.446	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	1211192	101.723	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	1043707	108.160	ug/L	98
69) Naphthalene	15.37	128	1764219	104.485	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	871235	104.998	ug/L	95

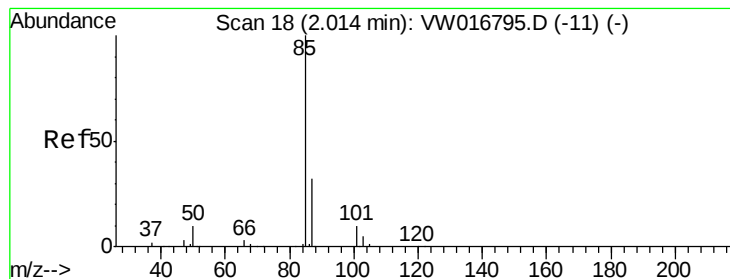
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 103.988 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampled :

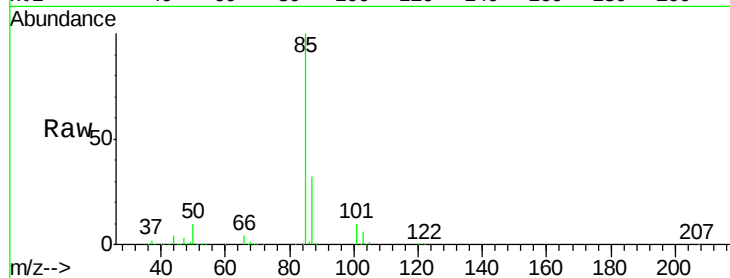
VSTD10006

Tgt Ion: 85 Resp: 702705

Ion Ratio Lower Upper

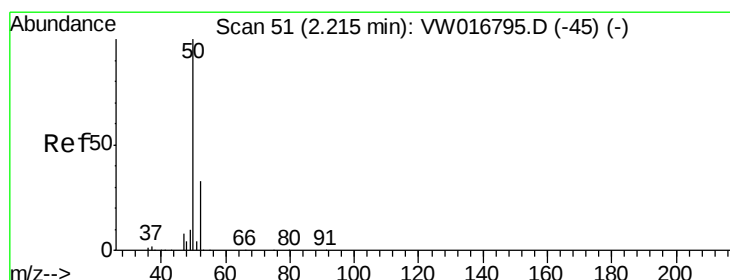
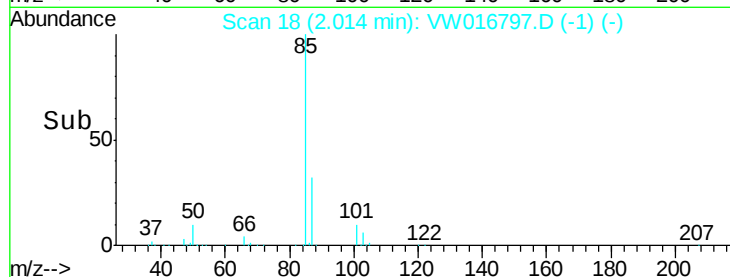
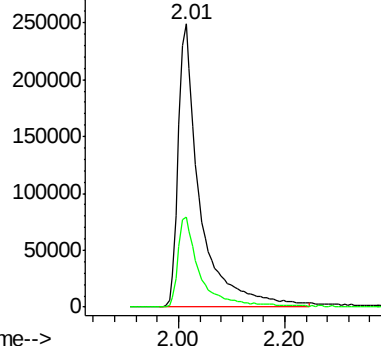
85 100

87 30.7 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: 120.379 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW016797.D

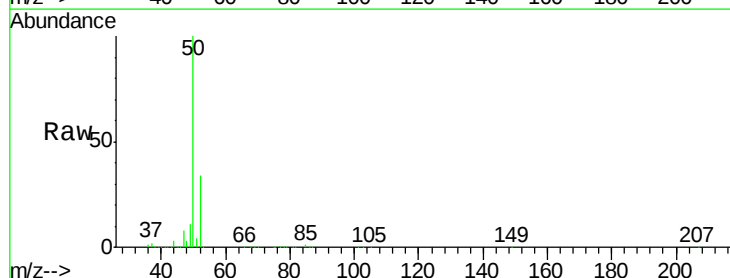
Acq: 06 Oct 2020 15:35

Tgt Ion: 50 Resp: 614893

Ion Ratio Lower Upper

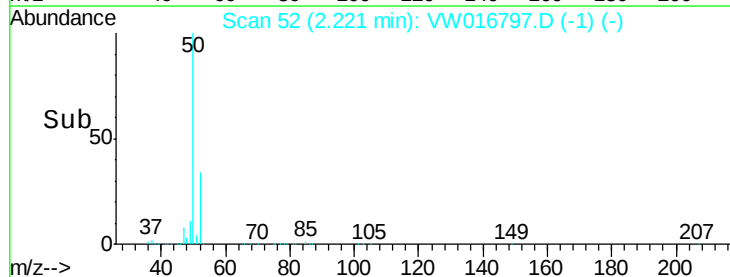
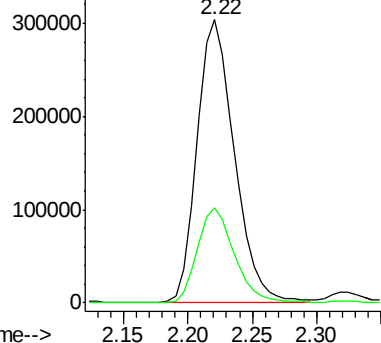
50 100

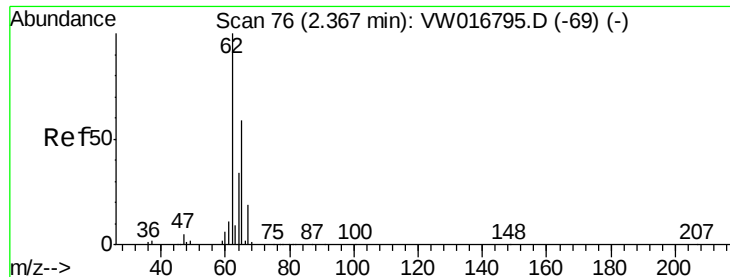
52 33.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 104.926 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

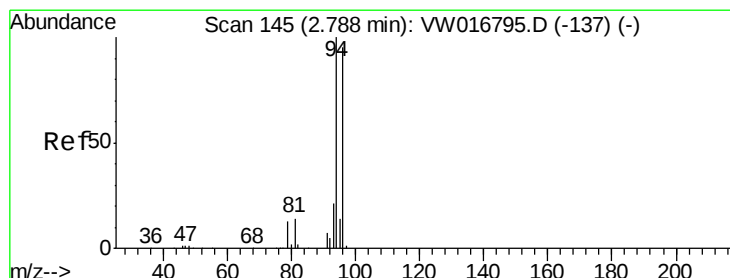
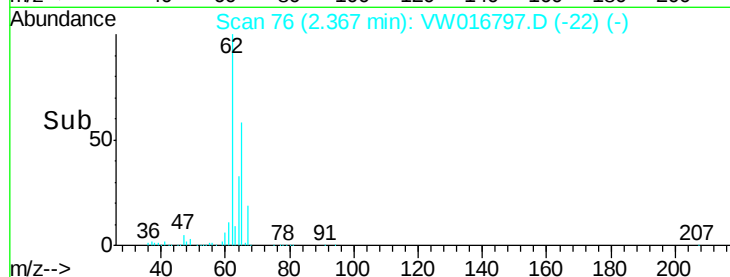
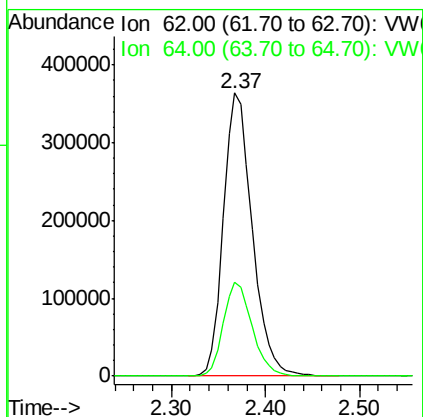
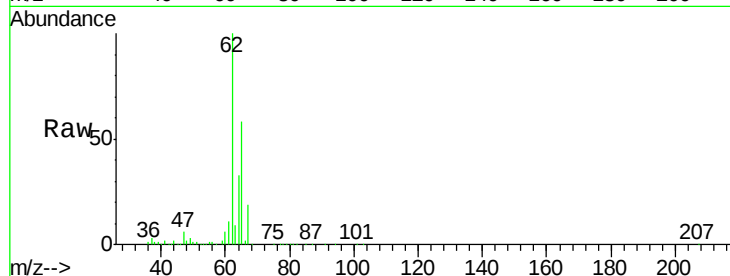
VSTD10006

Tgt Ion: 62 Resp: 772400

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



#6

Bromomethane

Concen: 102.606 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016797.D

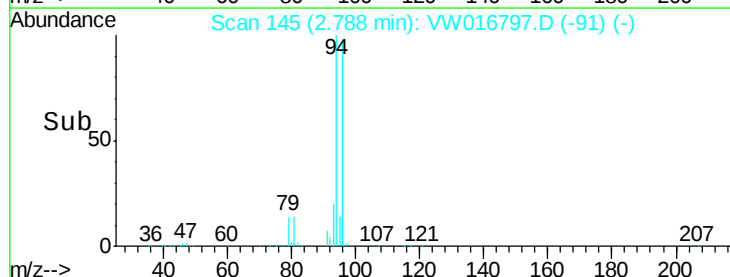
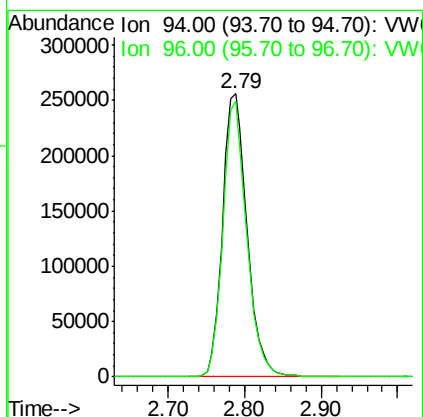
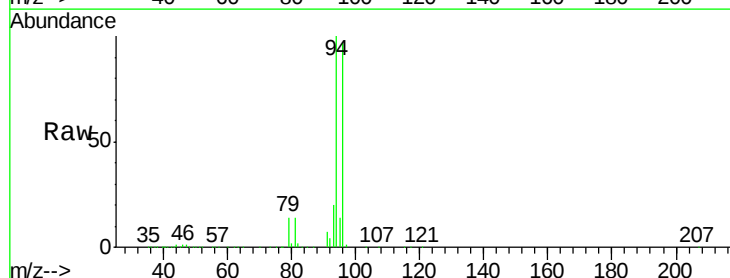
Acq: 06 Oct 2020 15:35

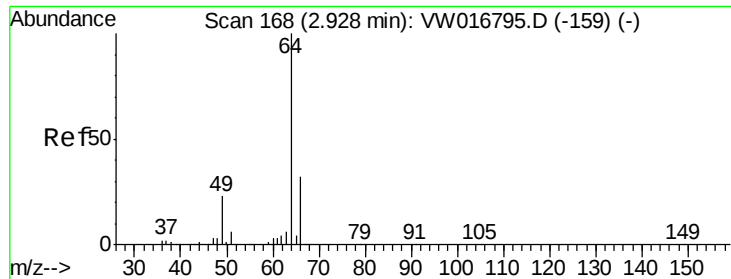
Tgt Ion: 94 Resp: 566160

Ion Ratio Lower Upper

94 100

96 94.3 9.5 180.7





#8

Chloroethane

Concen: 107.425 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

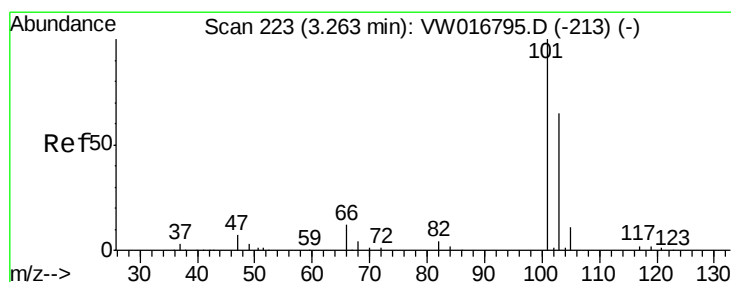
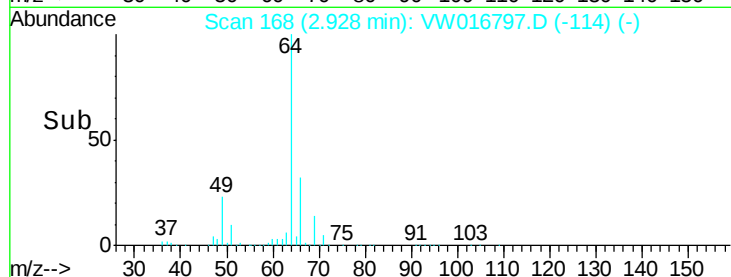
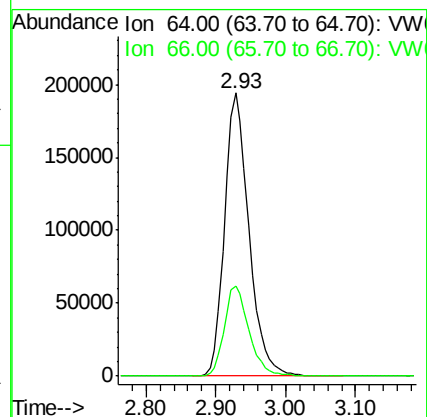
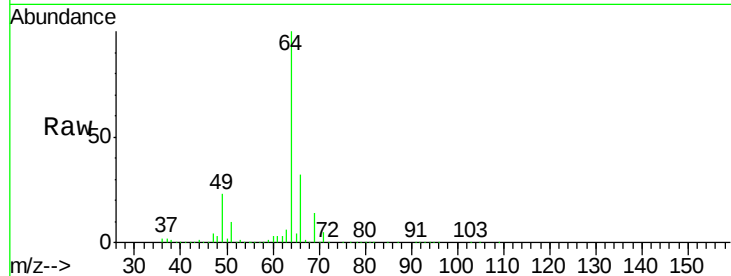
VSTD10006

Tgt Ion: 64 Resp: 470416

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 90.941 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW016797.D

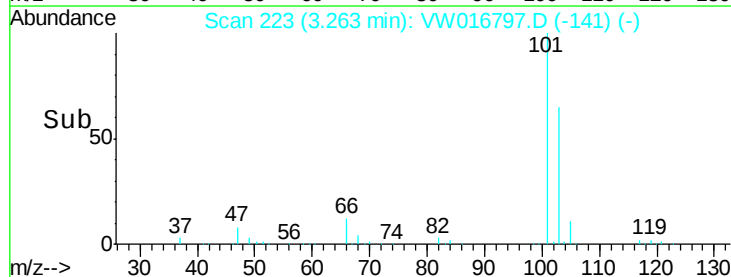
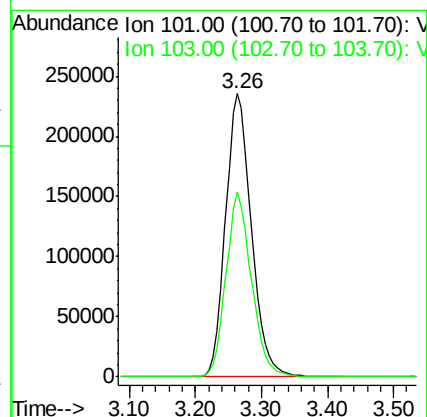
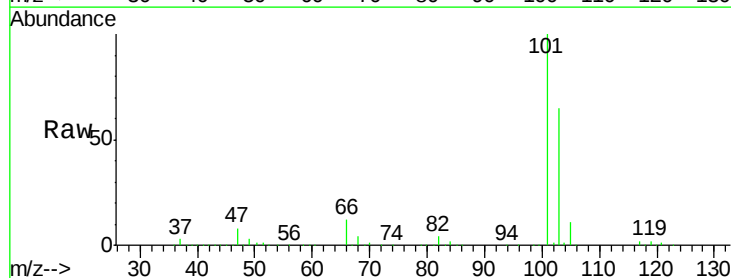
Acq: 06 Oct 2020 15:35

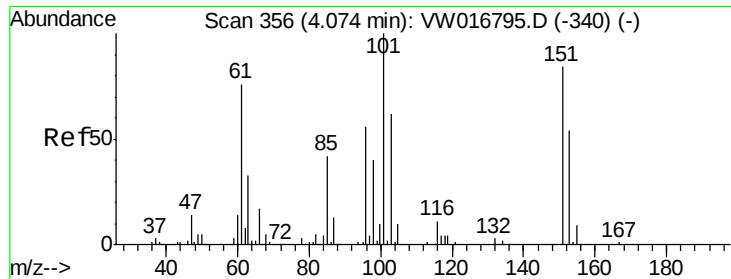
Tgt Ion: 101 Resp: 637900

Ion Ratio Lower Upper

101 100

103 64.3 45.2 84.0





#11

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

Concen: 104.483 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

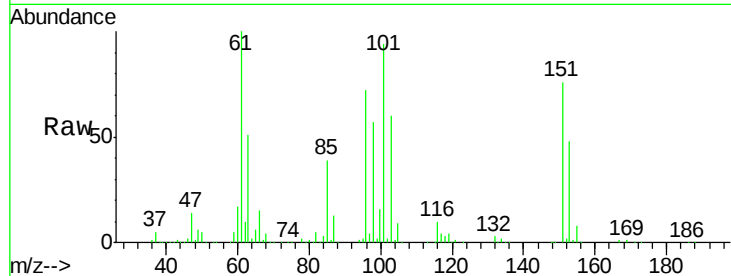
Tgt Ion: 101 Resp: 741581

Ion Ratio Lower Upper

101 100

85 40.7 31.7 47.5

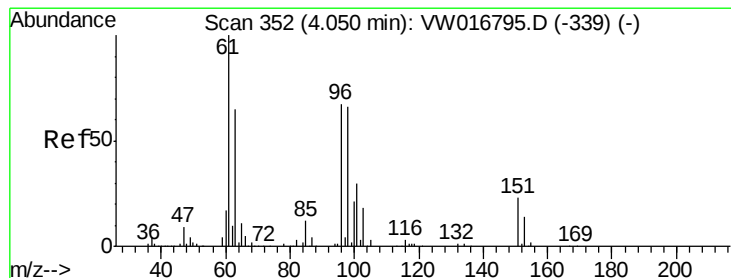
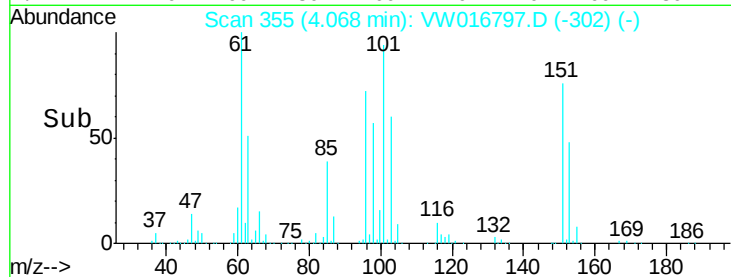
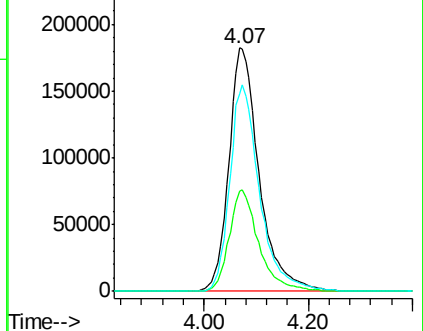
151 83.2 66.6 99.8



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: 105.297 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

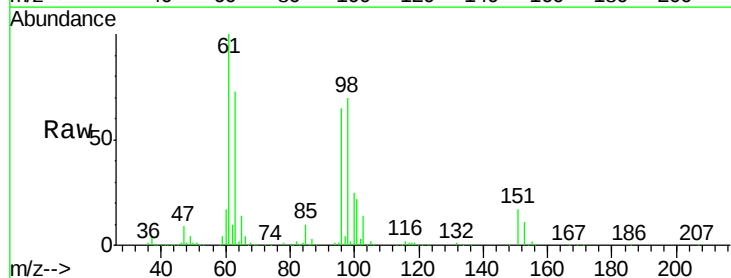
Tgt Ion: 96 Resp: 734481

Ion Ratio Lower Upper

96 100

61 152.9 105.1 195.1

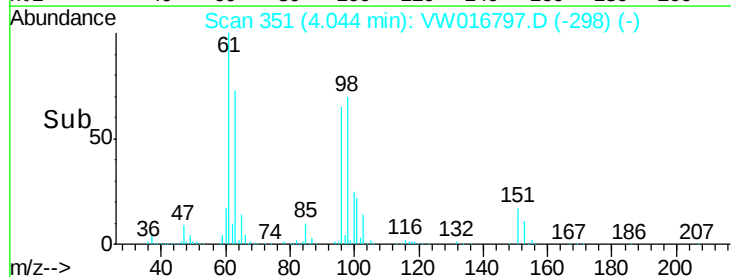
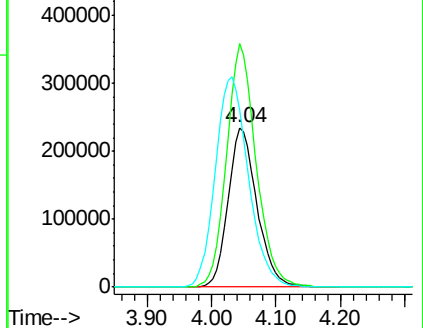
63 111.5 69.9 129.7

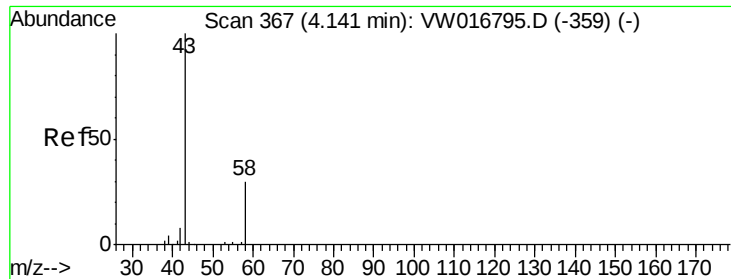


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 141.792 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampled :

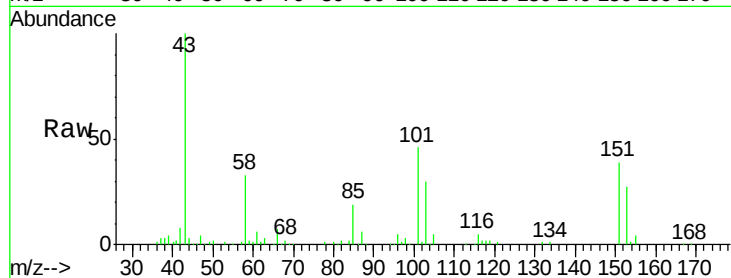
VSTD10006

Tgt Ion: 43 Resp: 151937

Ion Ratio Lower Upper

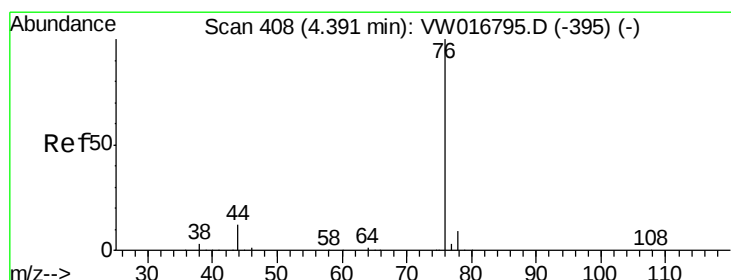
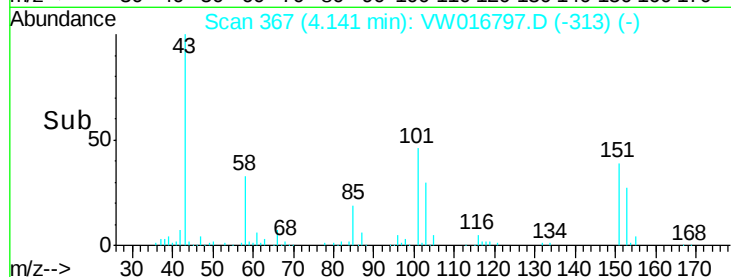
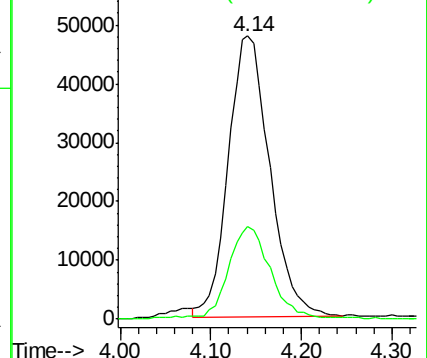
43 100

58 33.0 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 100.231 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016797.D

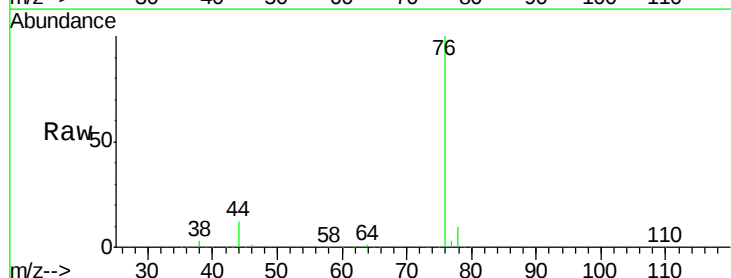
Acq: 06 Oct 2020 15:35

Tgt Ion: 76 Resp: 2087605

Ion Ratio Lower Upper

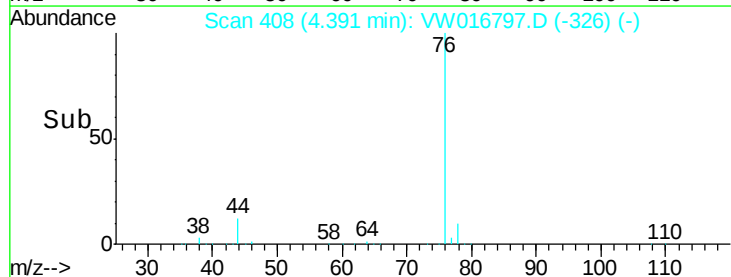
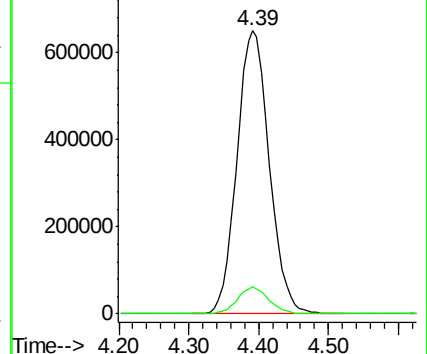
76 100

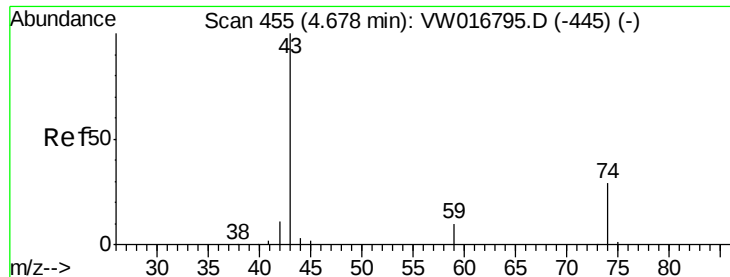
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

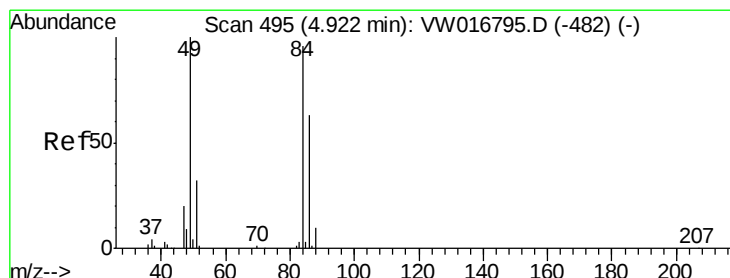
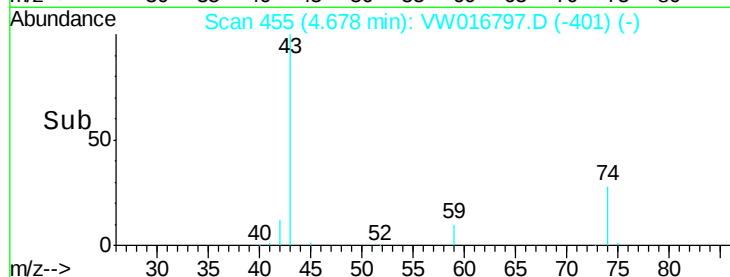
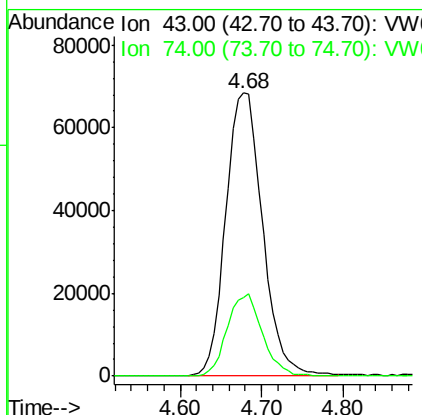
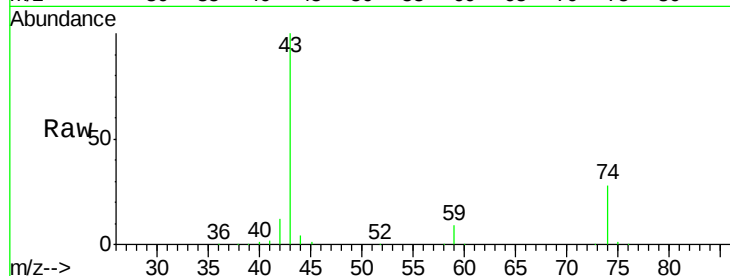




#15
Methyl Acetate
Concen: 85.540 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

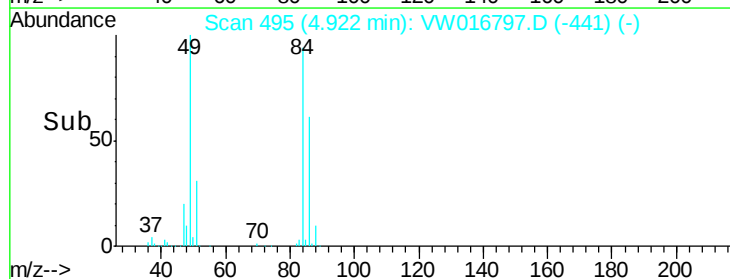
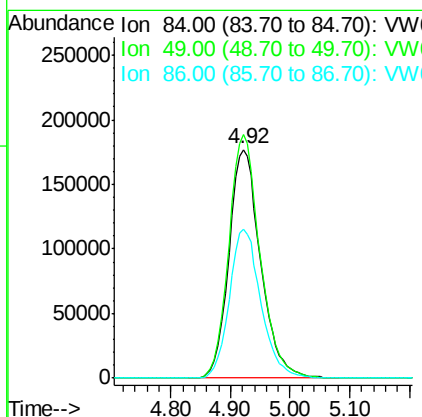
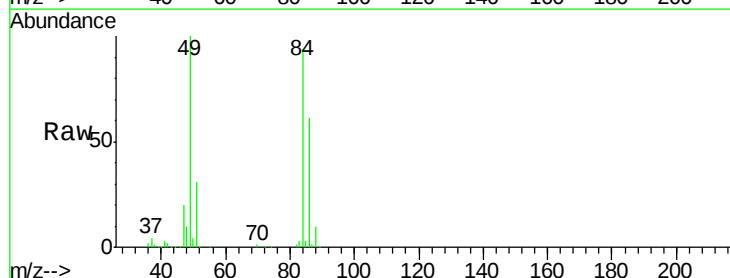
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

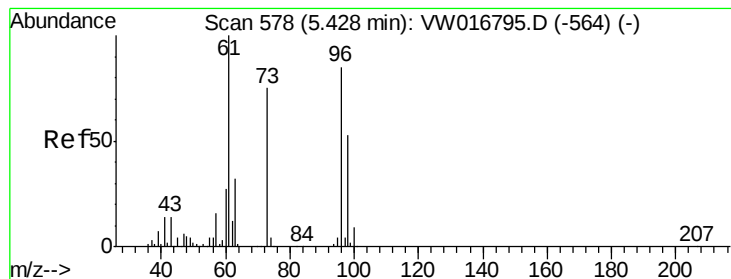
Tgt Ion: 43 Resp: 211944
Ion Ratio Lower Upper
43 100
74 27.8 22.7 34.1



#16
Methylene chloride
Concen: 78.010 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion: 84 Resp: 652103
Ion Ratio Lower Upper
84 100
49 106.5 73.1 135.8
86 65.0 46.0 85.4

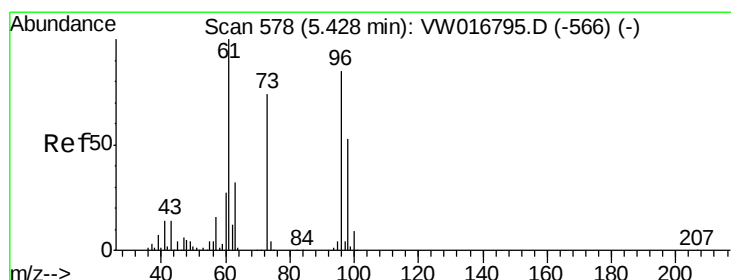
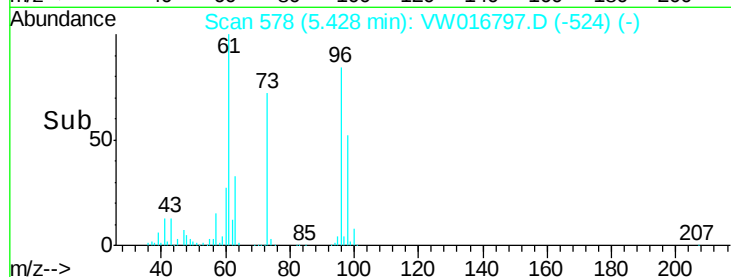
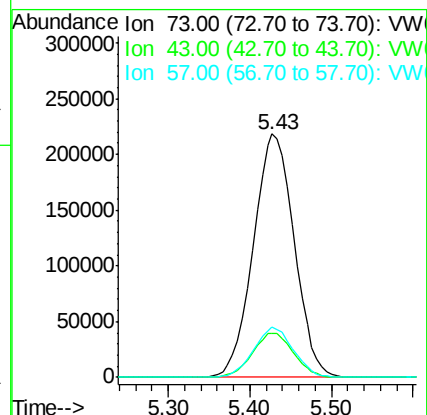
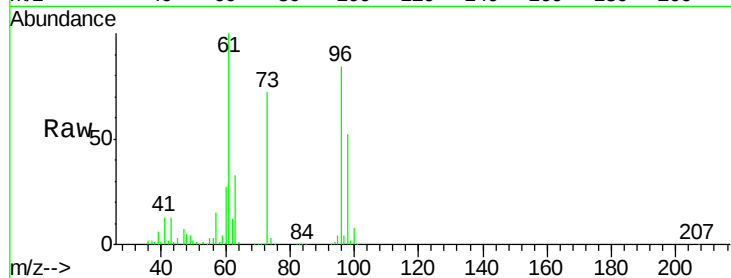




#17
Methyl tert-butyl Ether
Concen: 83.557 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

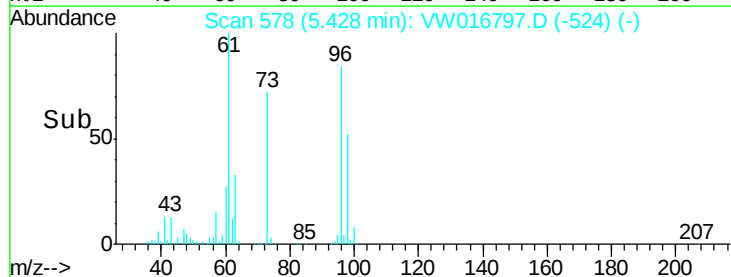
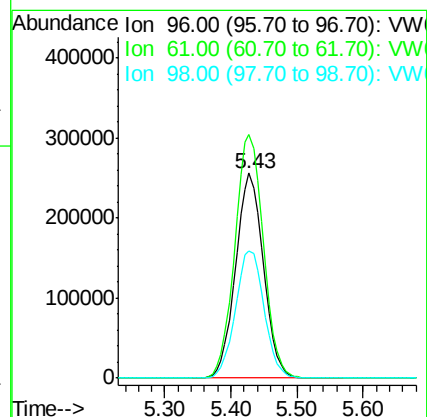
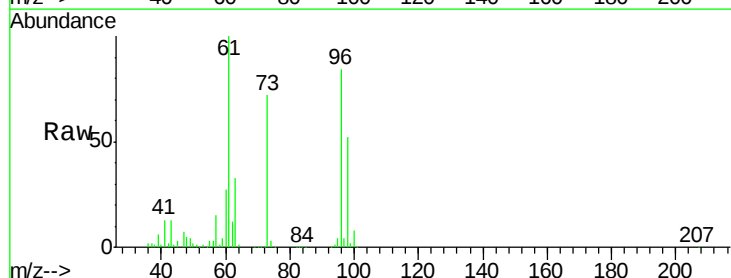
Instrument :
MSVOA_W
ClientSampled :
VSTD10006

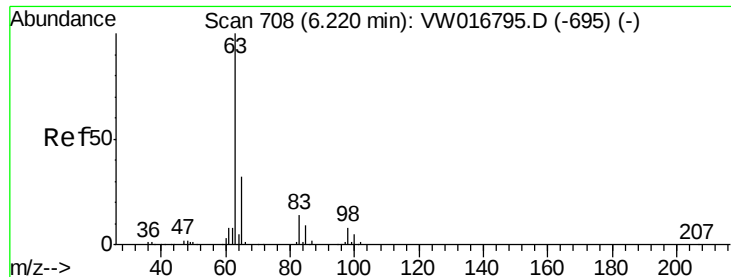
Tgt Ion: 73 Resp: 760734
Ion Ratio Lower Upper
73 100
43 18.3 15.0 22.4
57 20.3 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 103.415 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion: 96 Resp: 746572
Ion Ratio Lower Upper
96 100
61 118.8 82.5 153.3
98 61.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 100.902 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

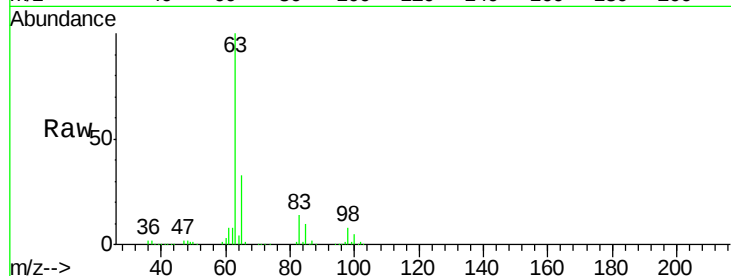
Tgt Ion: 63 Resp: 1144291

Ion Ratio Lower Upper

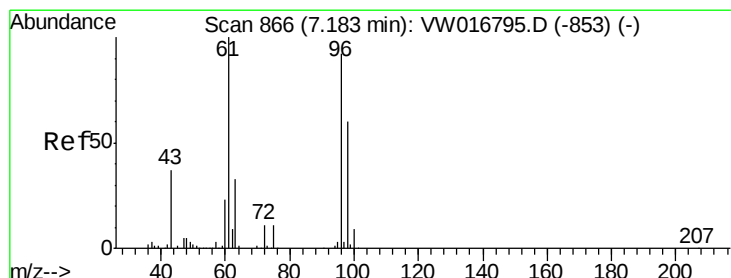
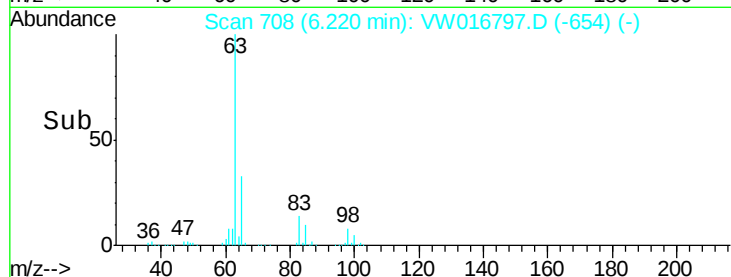
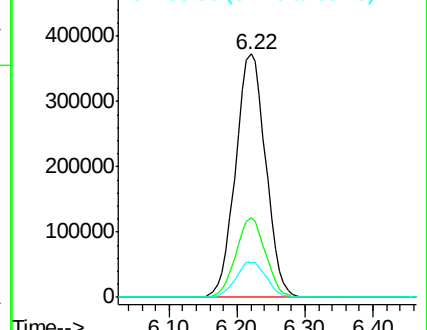
63 100

65 32.6 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: 143.855 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016797.D

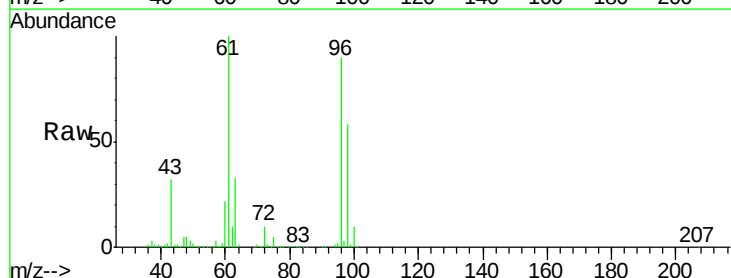
Acq: 06 Oct 2020 15:35

Tgt Ion: 43 Resp: 263936

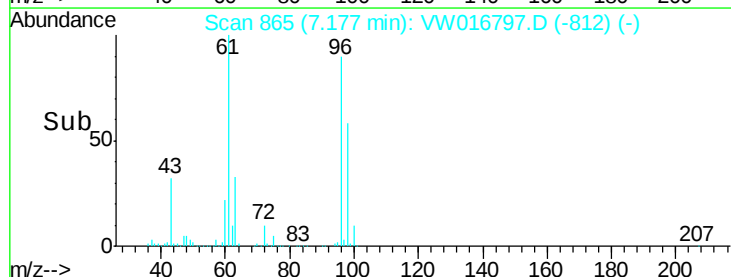
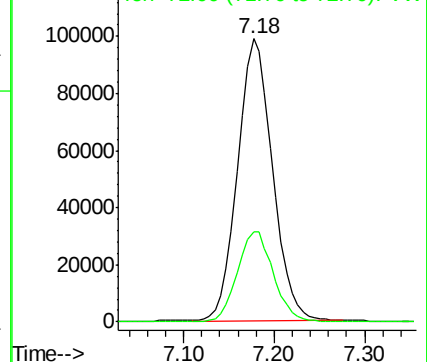
Ion Ratio Lower Upper

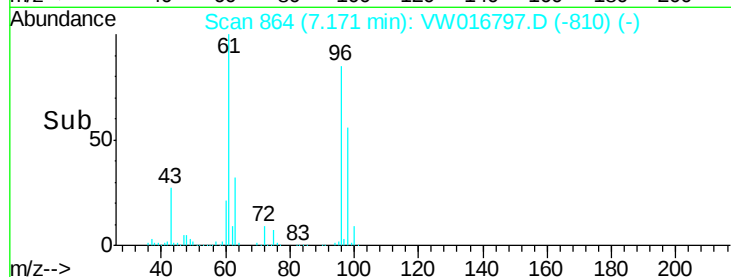
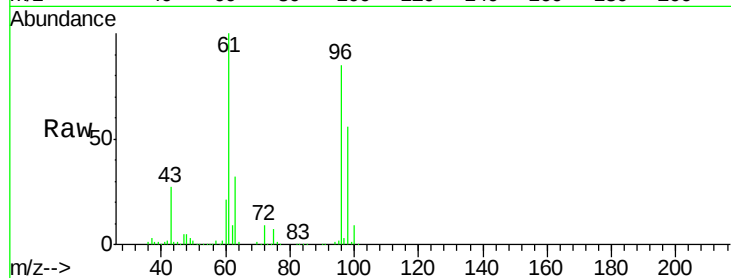
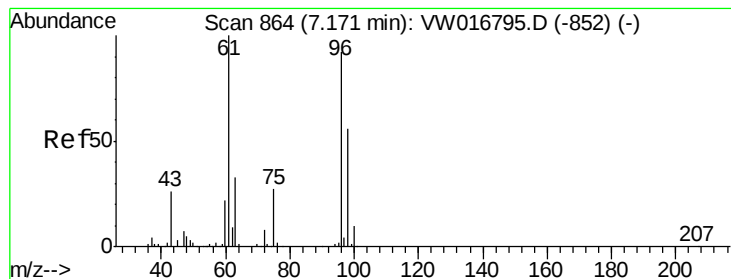
43 100

72 33.0 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: 103.341 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

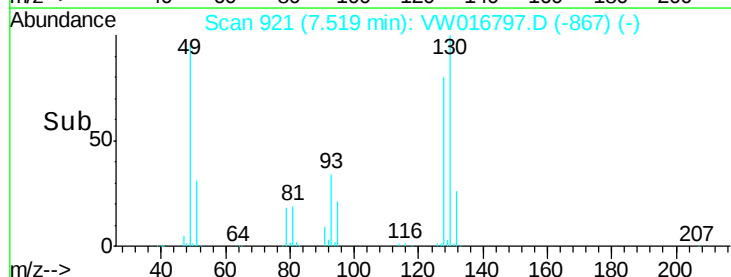
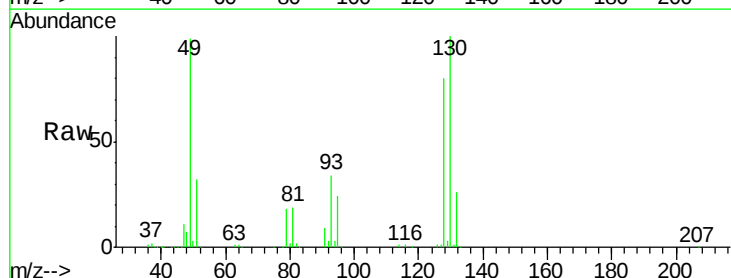
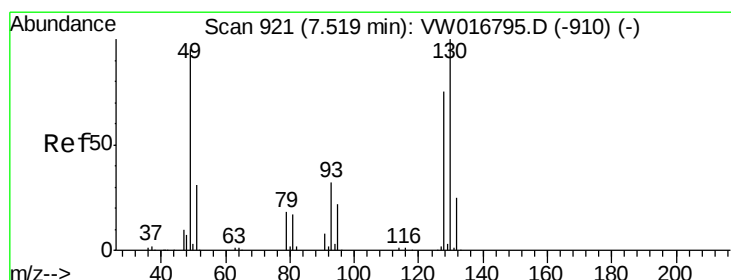
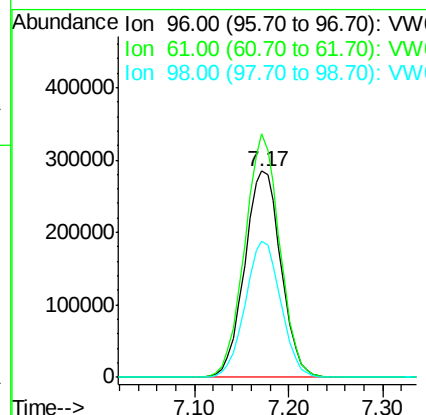
Tgt Ion: 96 Resp: 767872

Ion Ratio Lower Upper

96 100

61 118.1 76.0 141.2

98 66.0 42.7 79.3



#23

Bromochloromethane

Concen: 97.327 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Tgt Ion:128 Resp: 349551

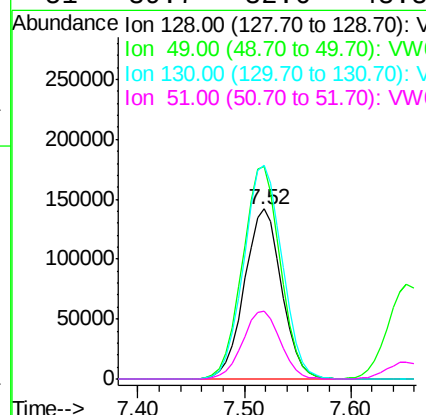
Ion Ratio Lower Upper

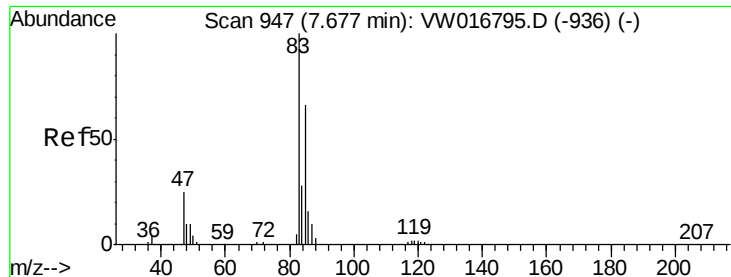
128 100

49 124.9 88.5 164.3

130 125.6 92.9 172.5

51 39.7 32.6 48.8

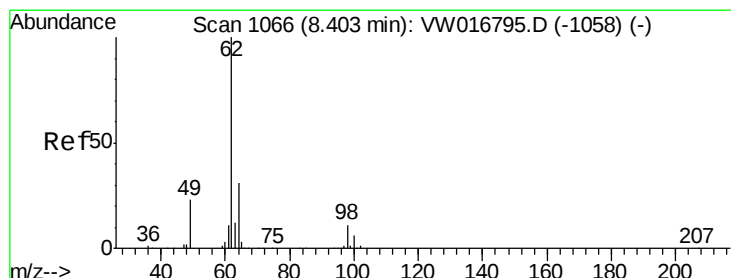
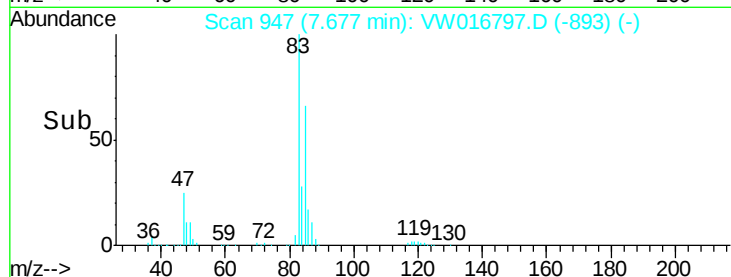
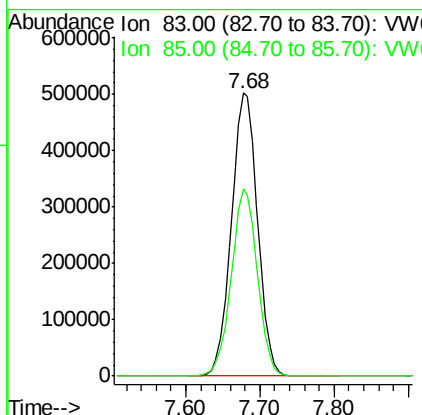
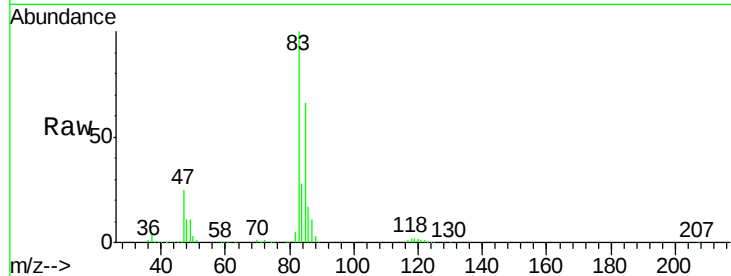




#25
Chloroform
Concen: 100.060 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

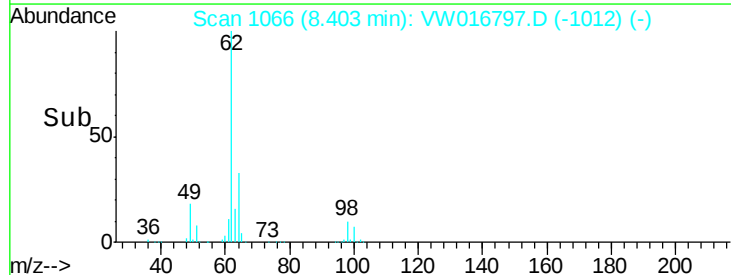
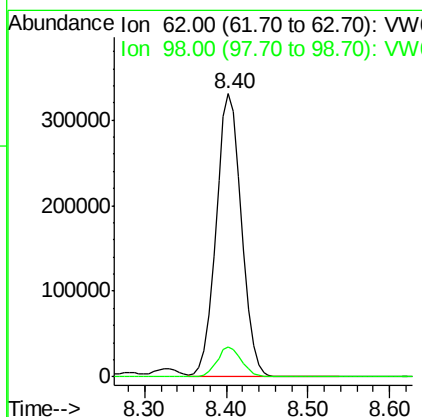
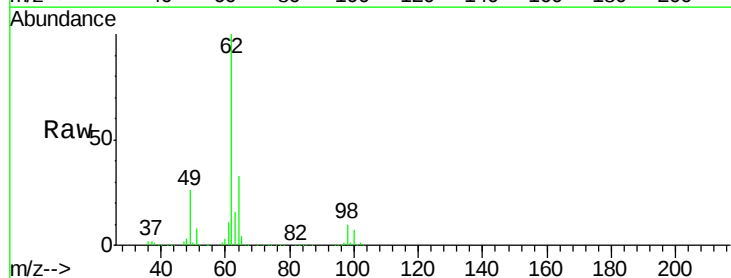
Instrument :
MSVOA_W
ClientSampled :
VSTD10006

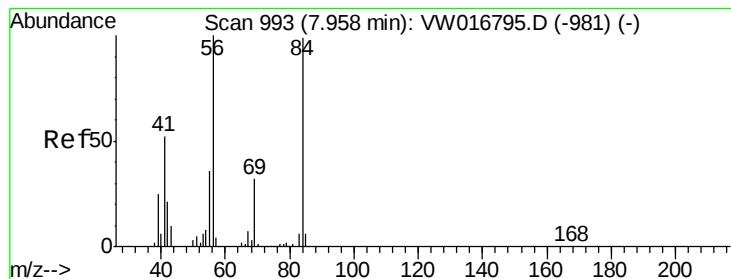
Tgt Ion: 83 Resp: 1233497
Ion Ratio Lower Upper
83 100
85 65.9 46.9 87.1



#27
1,2-Dichloroethane
Concen: 91.586 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion: 62 Resp: 713514
Ion Ratio Lower Upper
62 100
98 10.5 8.6 12.8





#30

Cyclohexane

Concen: 97.920 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

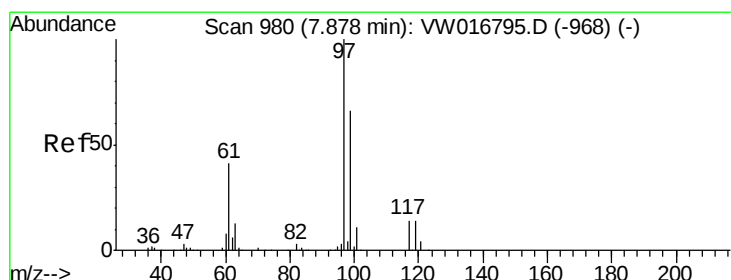
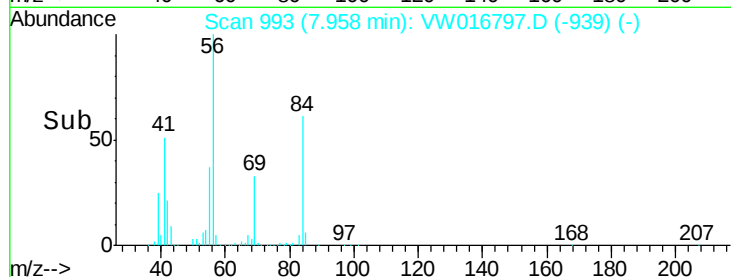
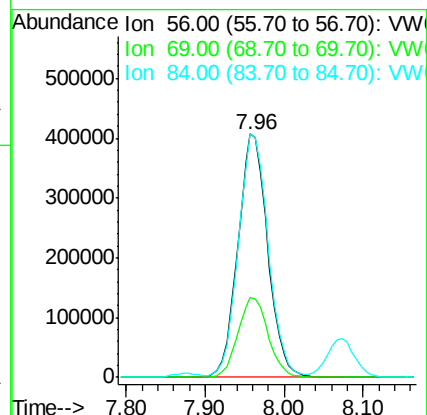
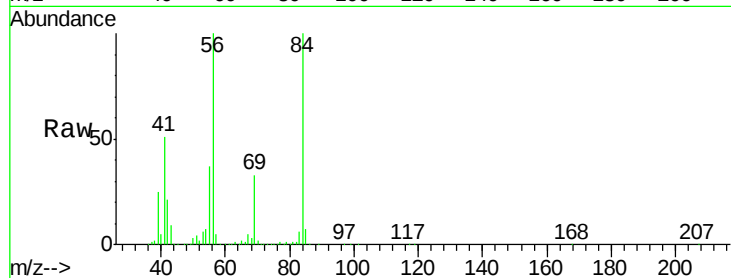
Tgt Ion: 56 Resp: 1067882

Ion Ratio Lower Upper

56 100

69 33.3 26.1 39.1

84 100.2 79.3 118.9



#31

1,1,1-Trichloroethane

Concen: 92.064 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

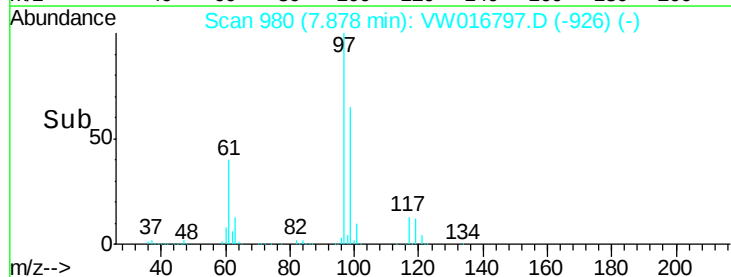
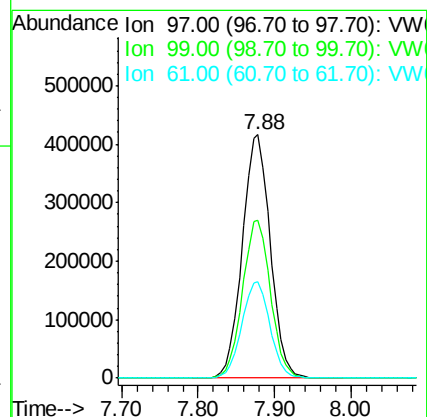
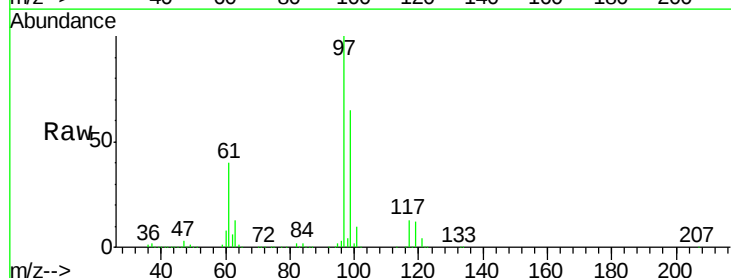
Tgt Ion: 97 Resp: 1056417

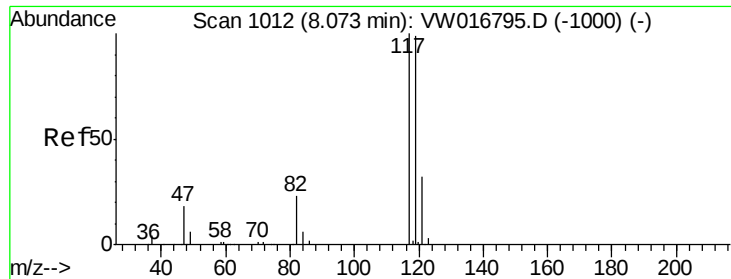
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 39.9 32.5 48.7





#32

Carbon tetrachloride

Concen: 95.620 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

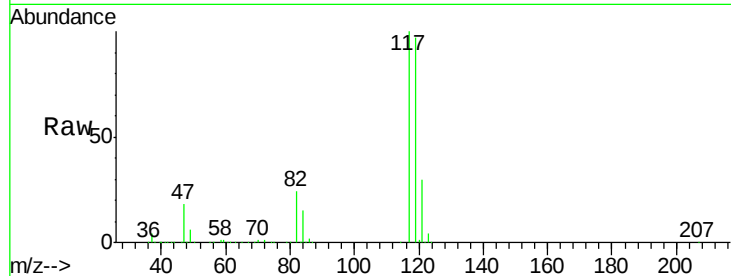
VSTD10006

Tgt Ion:117 Resp: 1074539

Ion Ratio Lower Upper

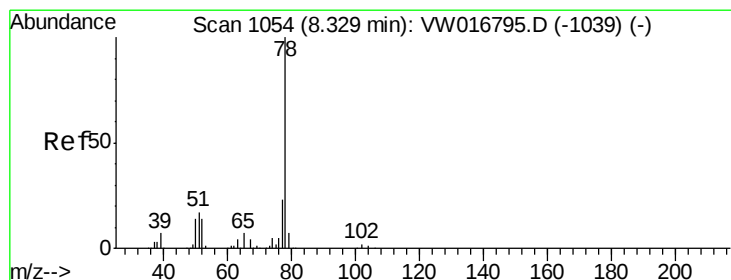
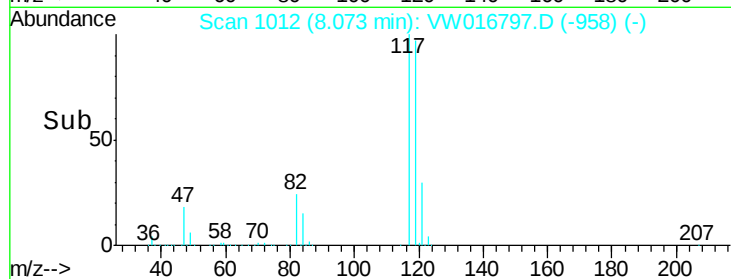
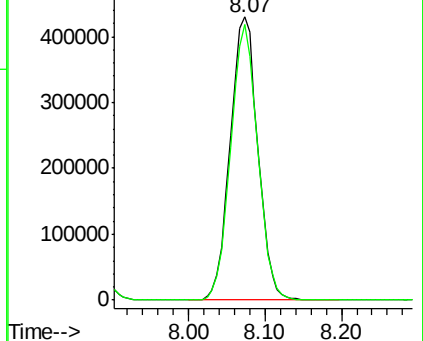
117 100

119 95.2 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: 97.852 ug/L

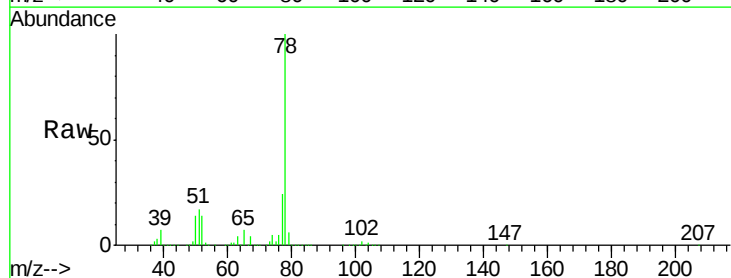
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

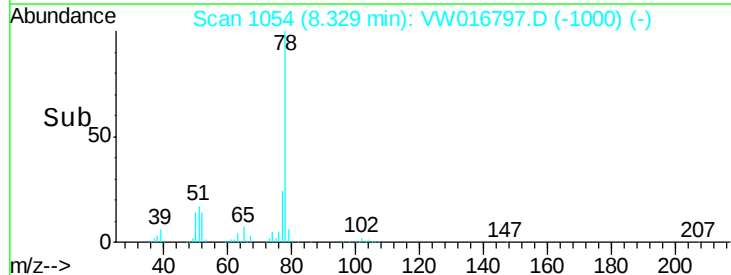
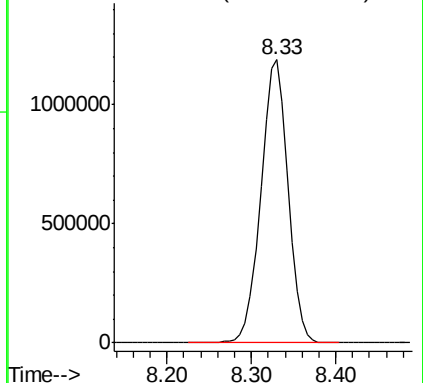
Lab File: VW016797.D

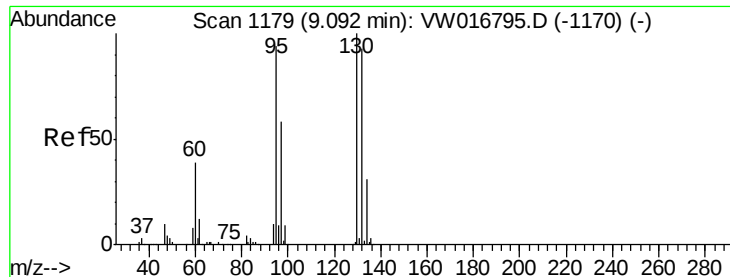
Acq: 06 Oct 2020 15:35

Tgt Ion: 78 Resp: 2634917



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 98.245 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

Tgt Ion: 95 Resp: 762438

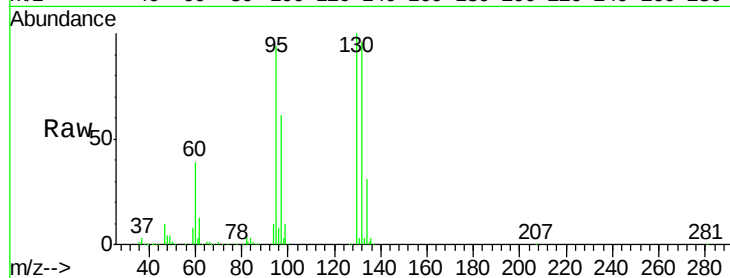
Ion Ratio Lower Upper

95 100

97 64.5 44.7 83.1

132 106.5 73.8 137.2

130 108.6 77.1 143.3

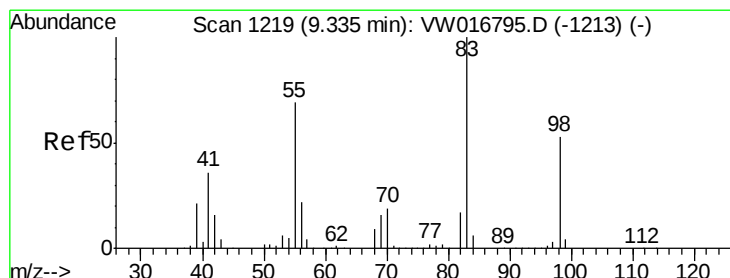
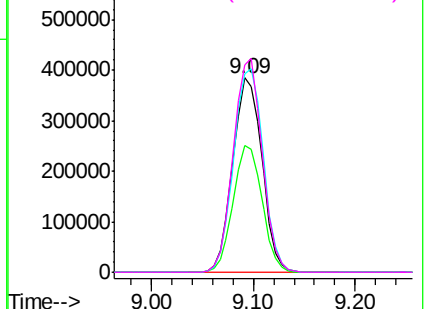
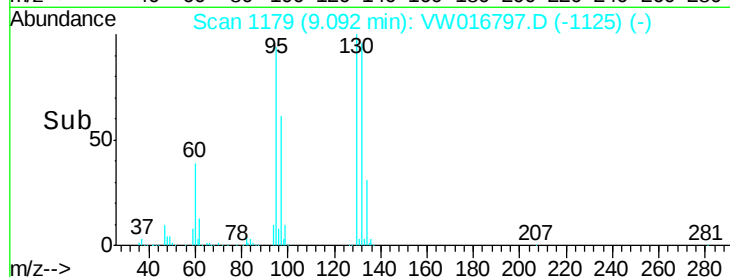


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 99.687 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

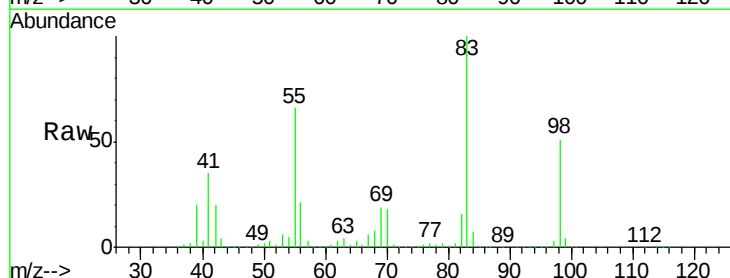
Tgt Ion: 83 Resp: 1310625

Ion Ratio Lower Upper

83 100

55 66.9 54.2 81.4

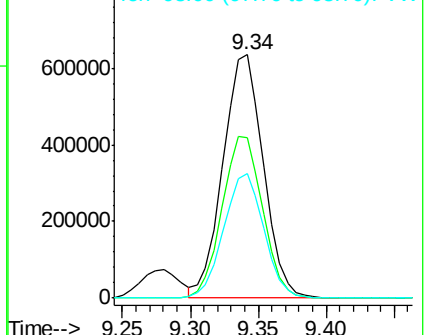
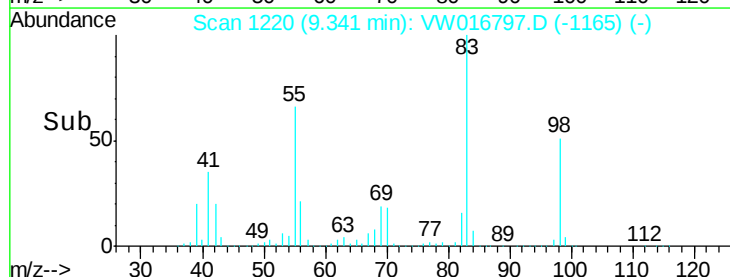
98 51.0 41.4 62.2

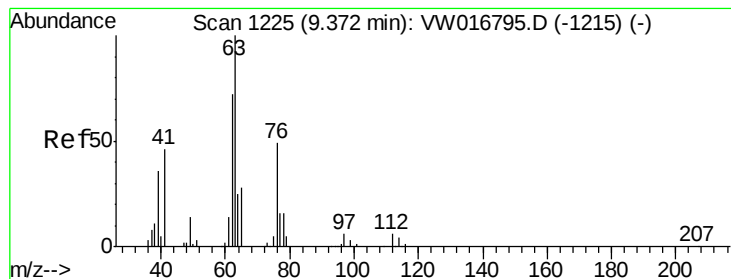


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 96.283 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampled :

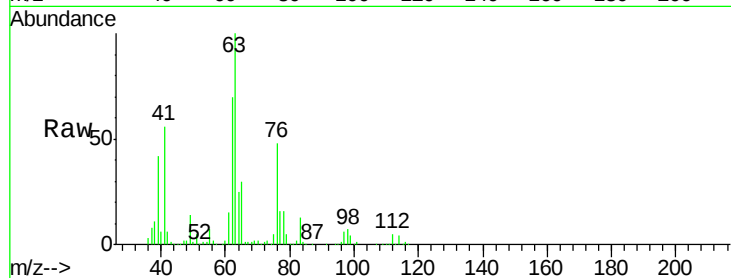
VSTD10006

Tgt Ion: 63 Resp: 599216

Ion Ratio Lower Upper

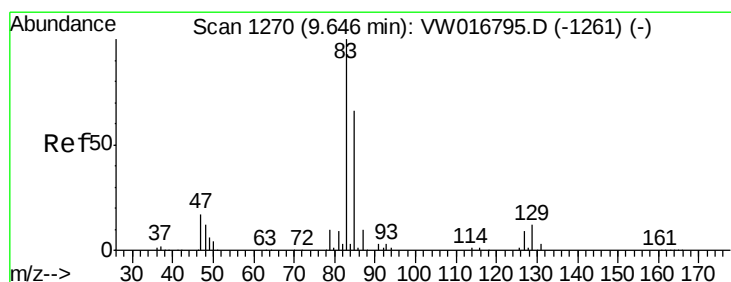
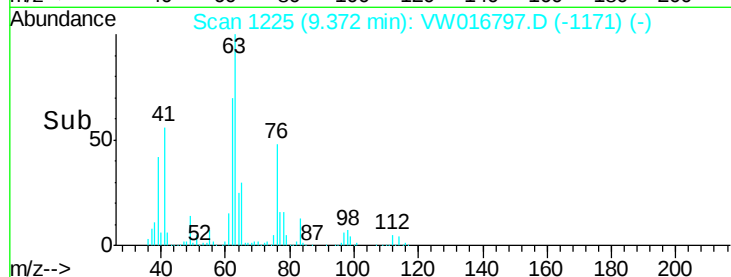
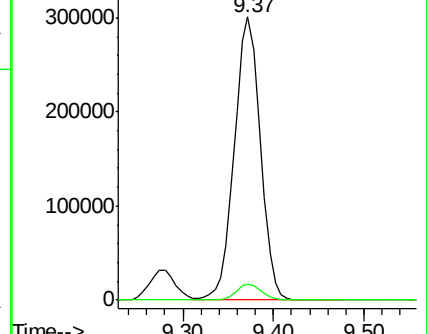
63 100

112 5.5 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: 96.772 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

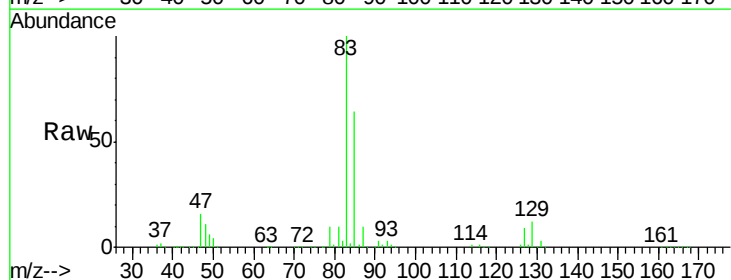
Tgt Ion: 83 Resp: 883720

Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

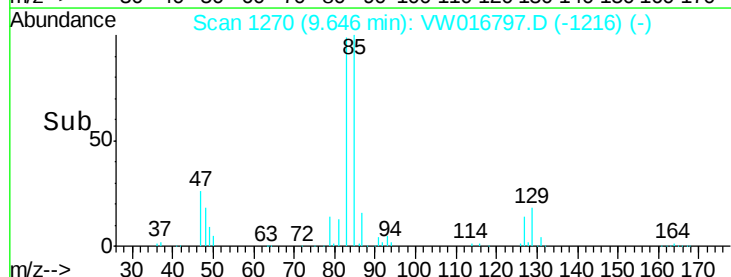
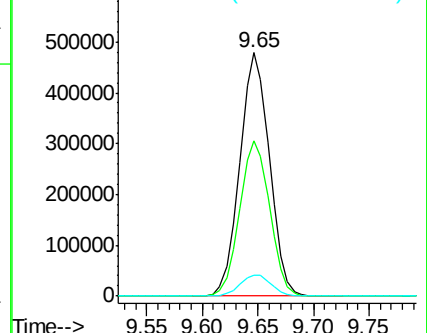
127 8.7 7.5 11.3

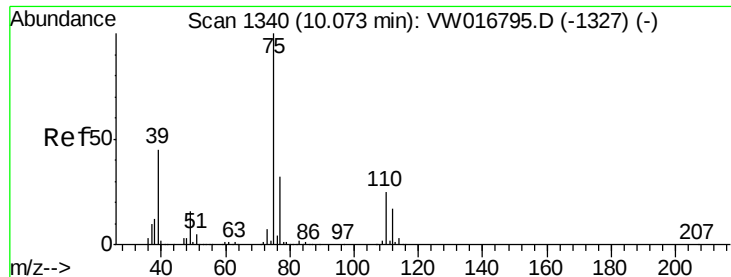


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 98.398 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampled :

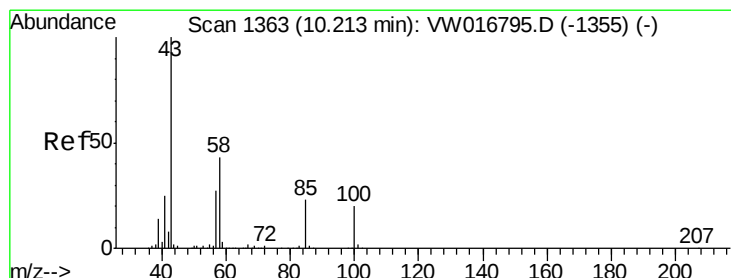
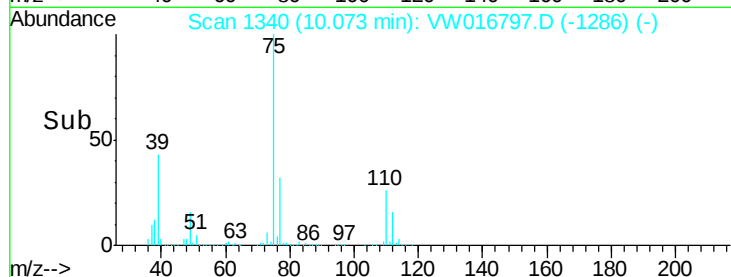
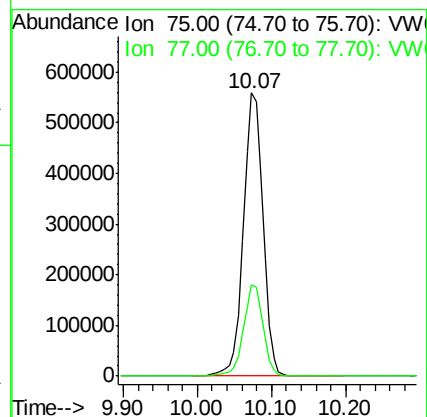
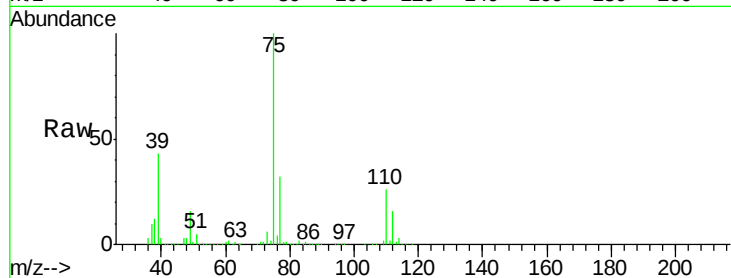
VSTD10006

Tgt Ion: 75 Resp: 1034102

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 160.336 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

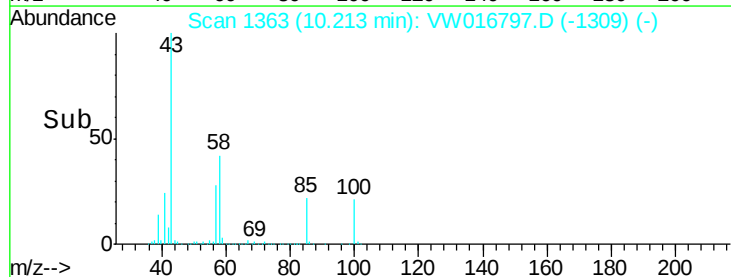
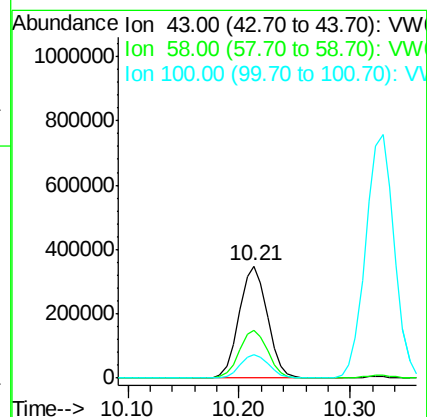
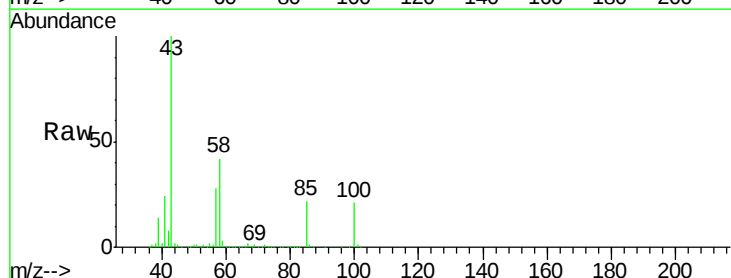
Tgt Ion: 43 Resp: 609906

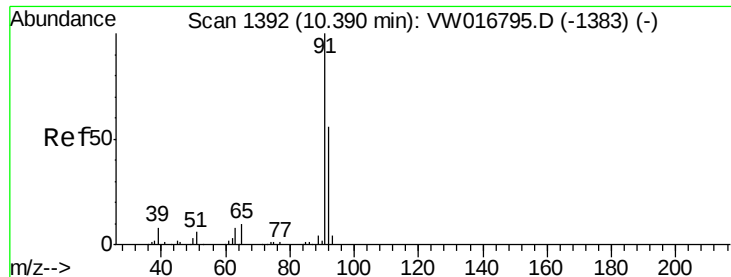
Ion Ratio Lower Upper

43 100

58 43.1 34.7 52.1

100 21.1 16.9 25.3





#44

Toluene

Concen: 98.051 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

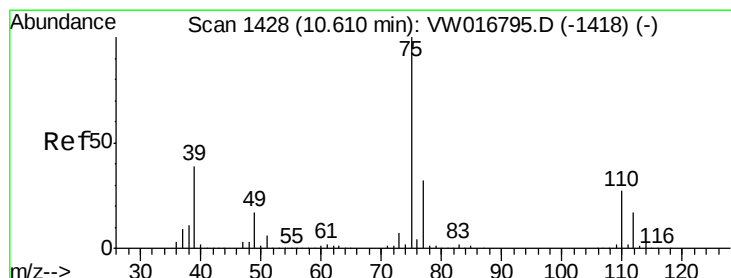
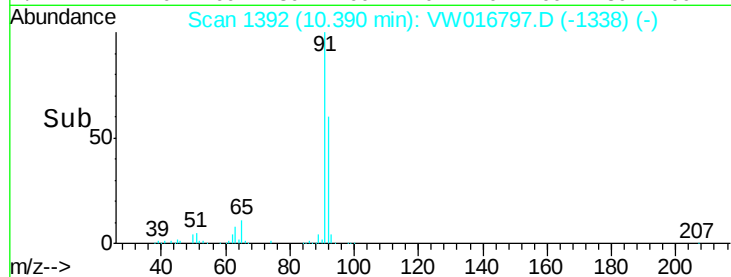
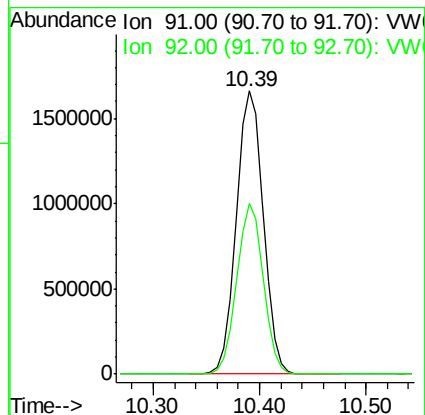
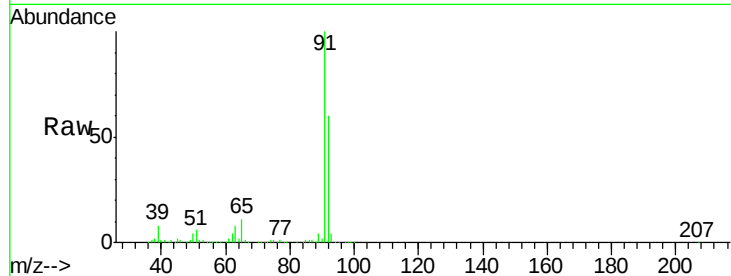
VSTD10006

Tgt Ion: 91 Resp: 2959059

Ion Ratio Lower Upper

91 100

92 60.4 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 97.156 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016797.D

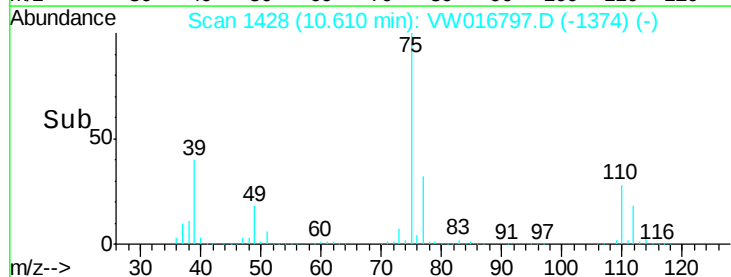
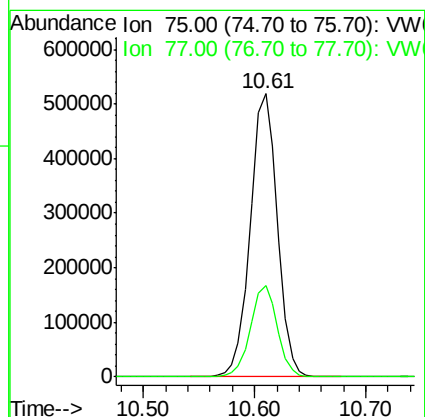
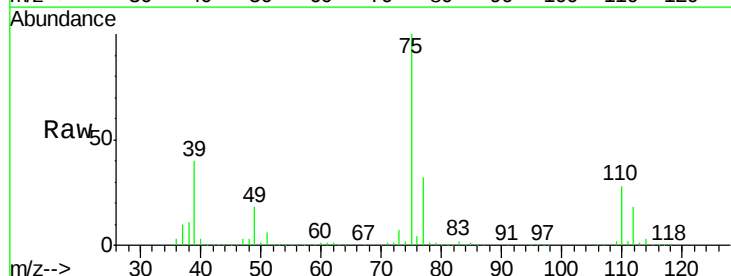
Acq: 06 Oct 2020 15:35

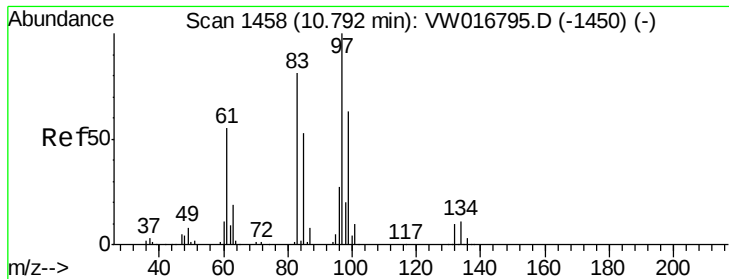
Tgt Ion: 75 Resp: 880691

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2

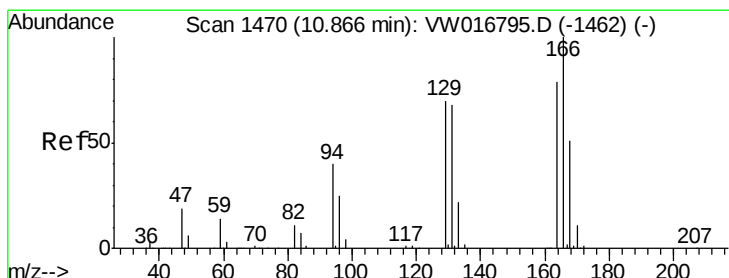
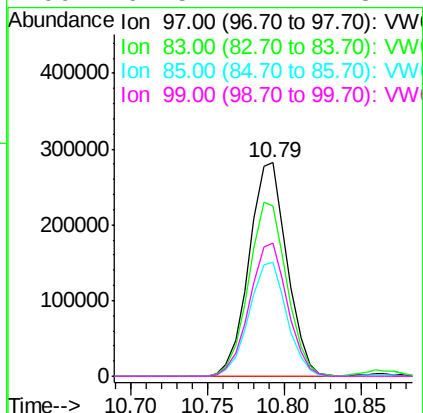
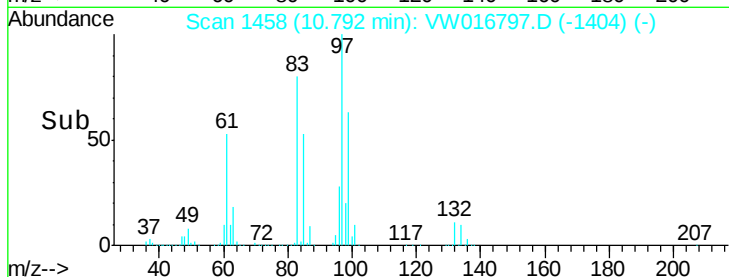
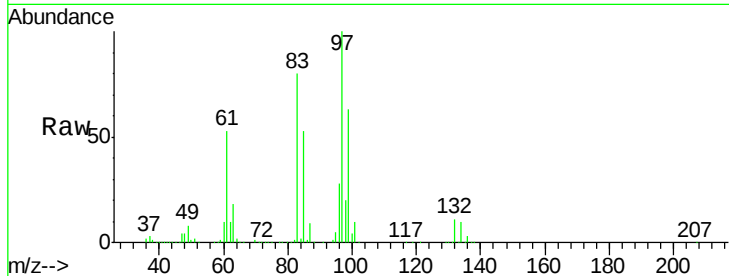




#46
 1,1,2-Trichloroethane
 Concen: 94.079 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

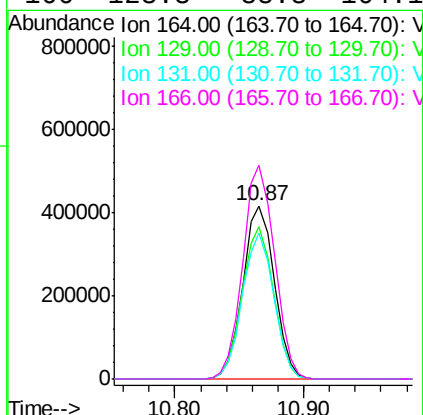
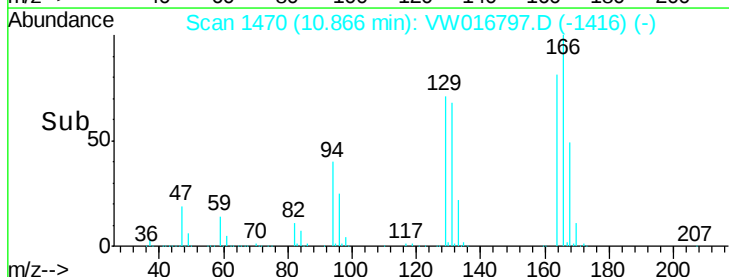
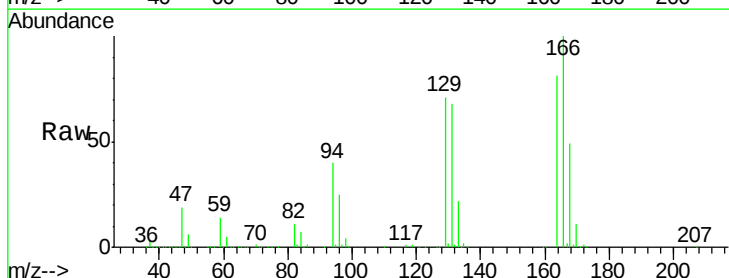
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

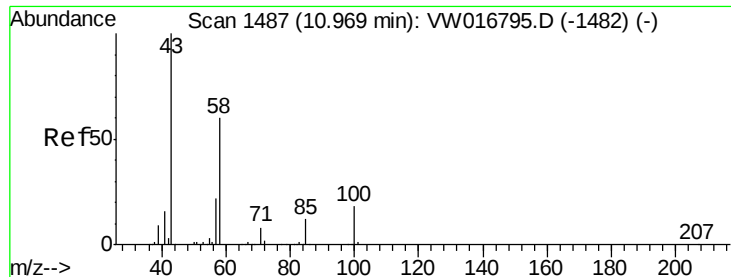
Tgt Ion:	97	Resp:	487977
Ion	Ratio	Lower	Upper
97	100		
83	79.7	56.8	105.4
85	53.3	37.0	68.6
99	62.5	44.2	82.2



#47
 Tetrachloroethene
 Concen: 100.610 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

Tgt Ion:	164	Resp:	704483
Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.7	114.7
131	84.1	59.7	110.9
166	123.3	88.3	164.1

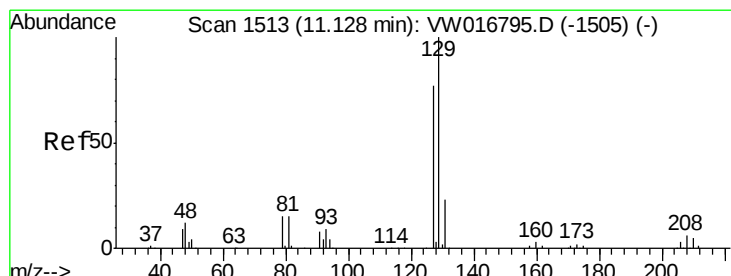
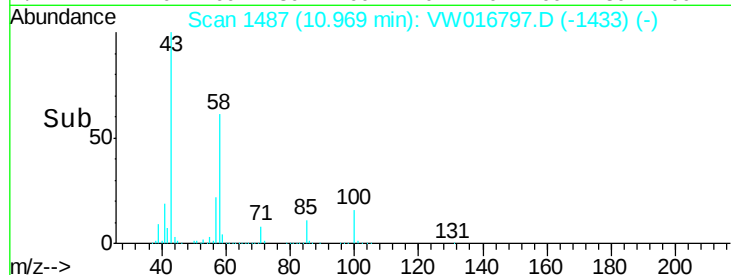
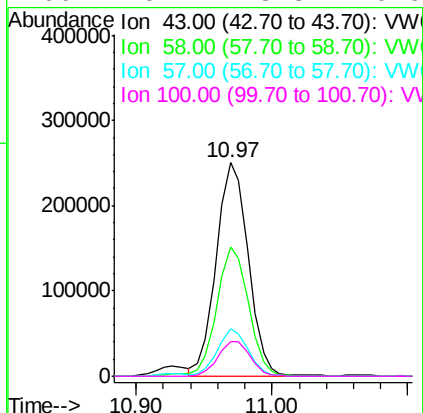
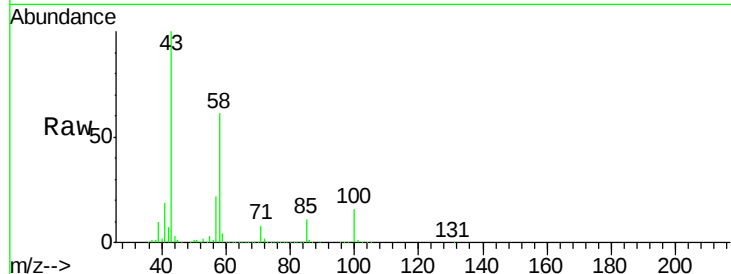




#49
2-Hexanone
Concen: 170.226 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

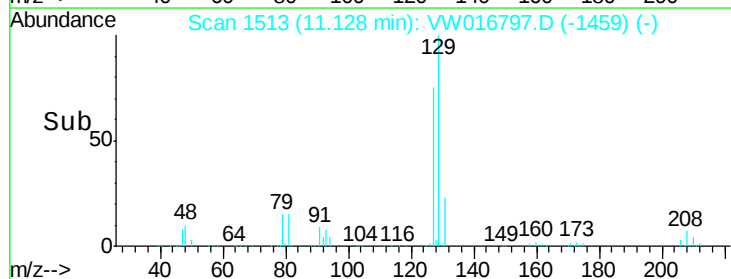
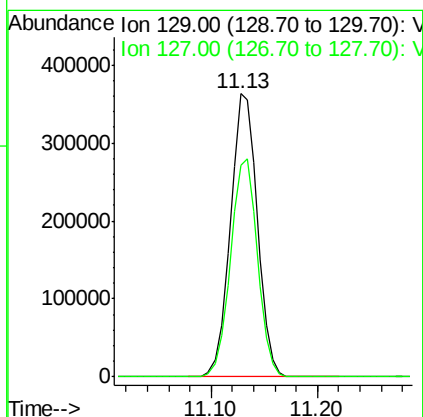
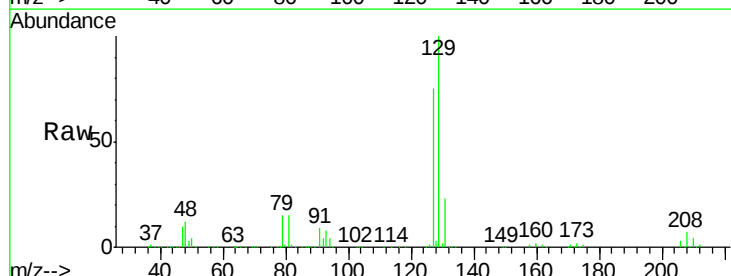
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

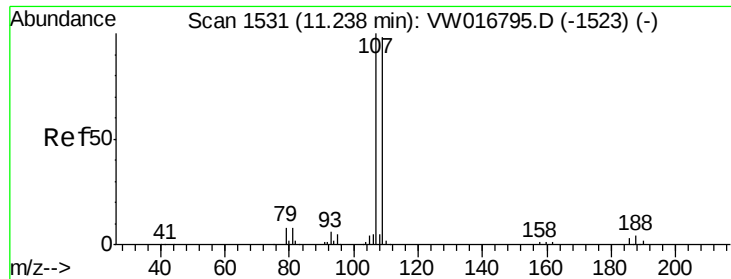
Tgt Ion: 43 Resp: 410809
Ion Ratio Lower Upper
43 100
58 60.8 47.1 70.7
57 21.1 16.2 24.4
100 16.4 13.3 19.9



#50
Dibromochloromethane
Concen: 95.871 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion: 129 Resp: 644624
Ion Ratio Lower Upper
129 100
127 74.8 54.0 100.4

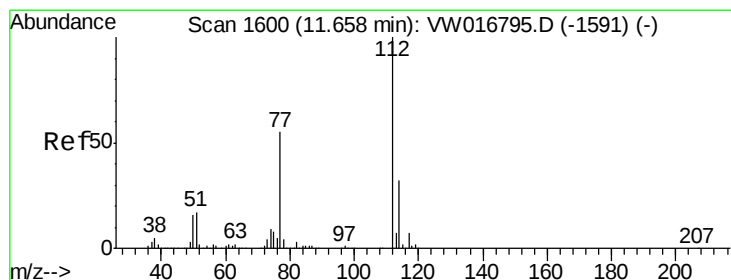
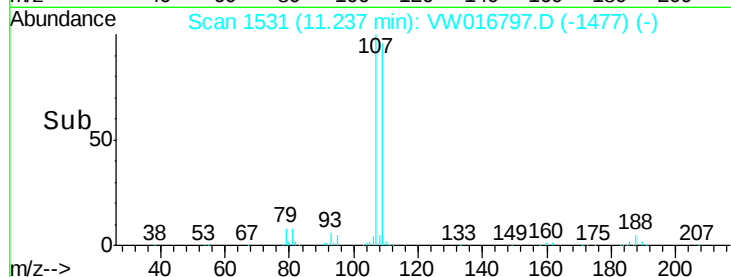
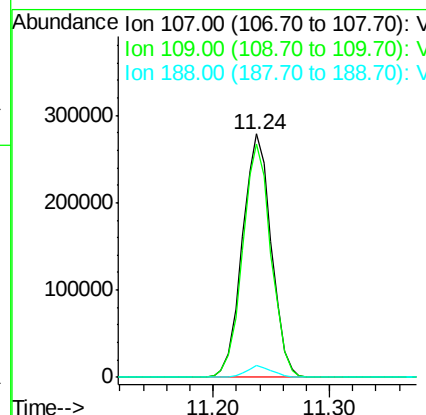
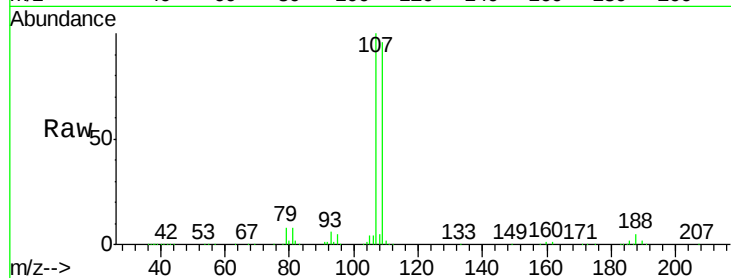




#51
 1,2-Dibromoethane
 Concen: 92.902 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

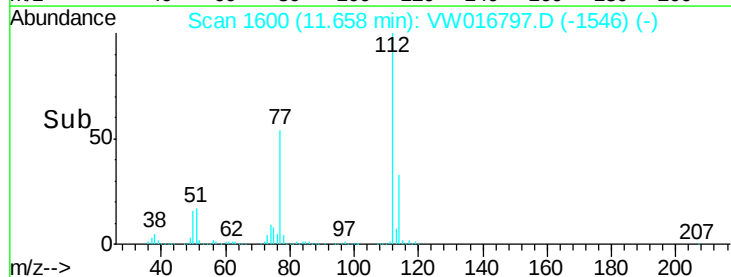
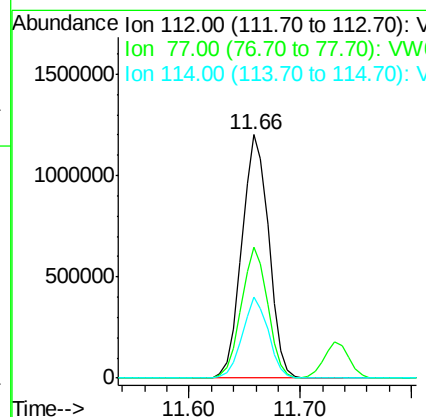
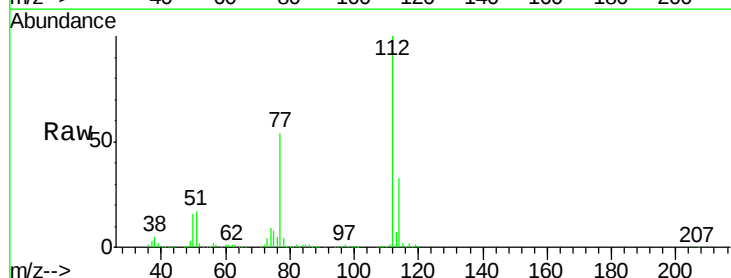
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

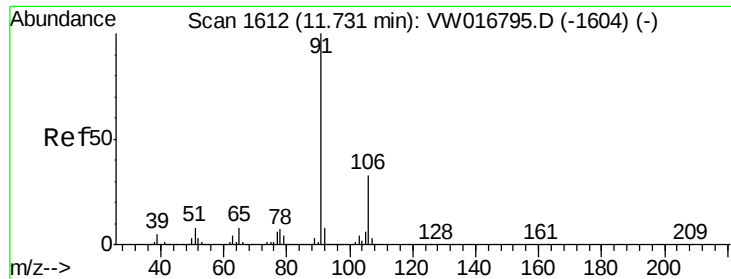
Tgt Ion:107 Resp: 481434
 Ion Ratio Lower Upper
 107 100
 109 95.8 68.4 127.0
 188 4.7 3.4 5.0



#52
 Chlorobenzene
 Concen: 98.953 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

Tgt Ion:112 Resp: 2003925
 Ion Ratio Lower Upper
 112 100
 77 53.9 44.0 66.0
 114 33.1 22.3 41.3

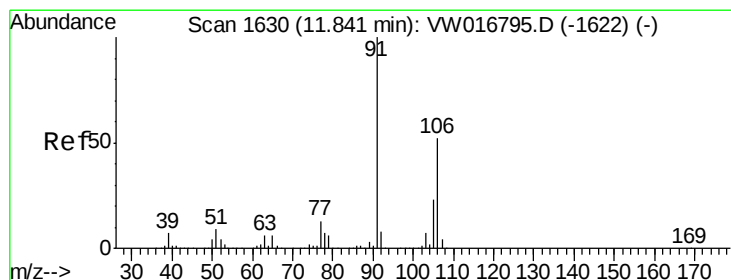
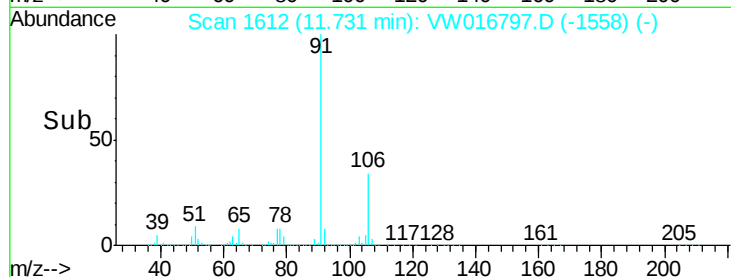
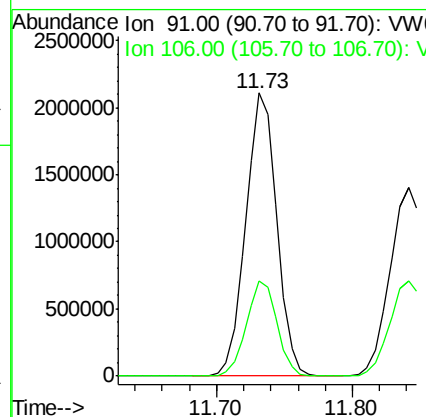
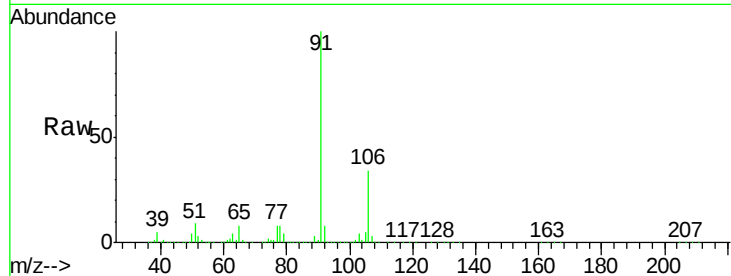




#53
Ethylbenzene
Concen: 98.202 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

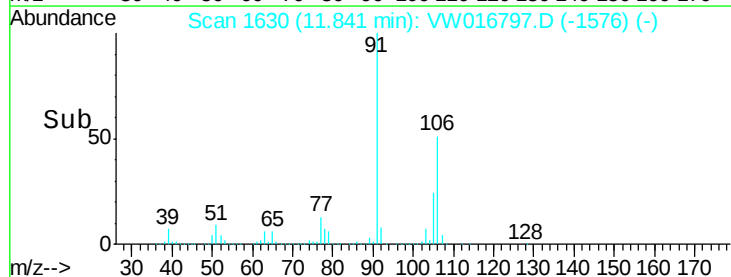
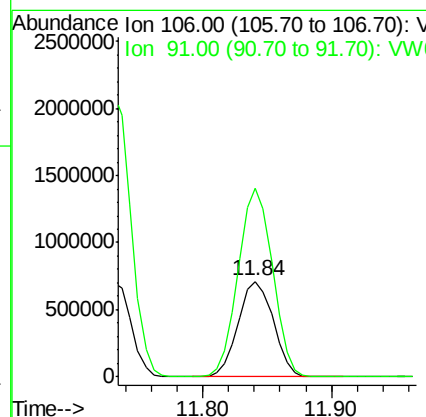
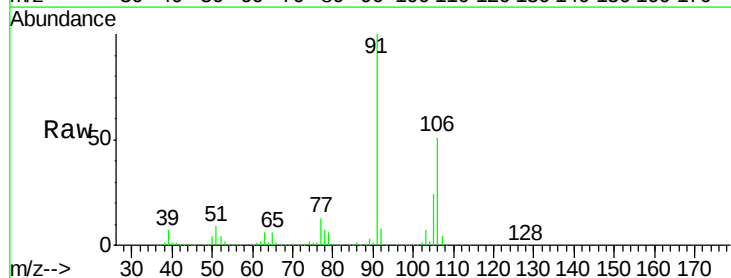
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

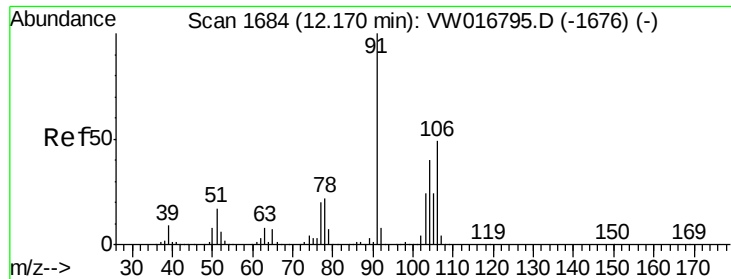
Tgt Ion: 91 Resp: 3355796
Ion Ratio Lower Upper
91 100
106 33.6 22.8 42.4



#54
m,p-Xylene
Concen: 100.148 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion: 106 Resp: 1343559
Ion Ratio Lower Upper
106 100
91 196.8 135.6 251.8

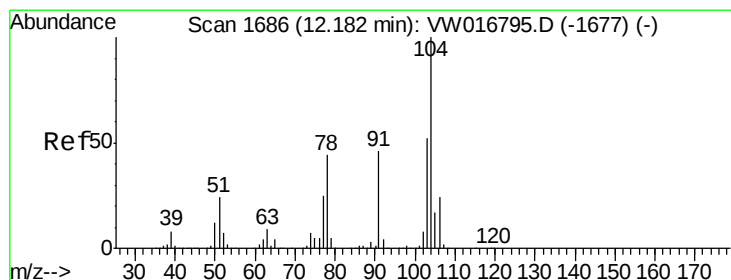
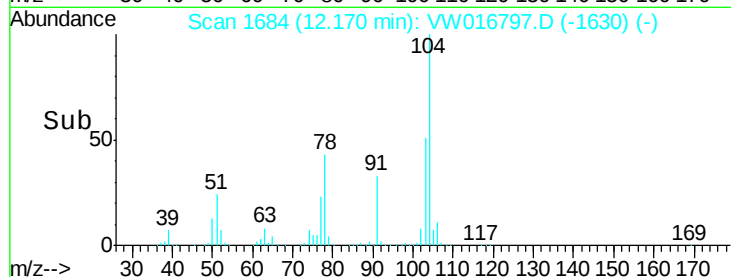
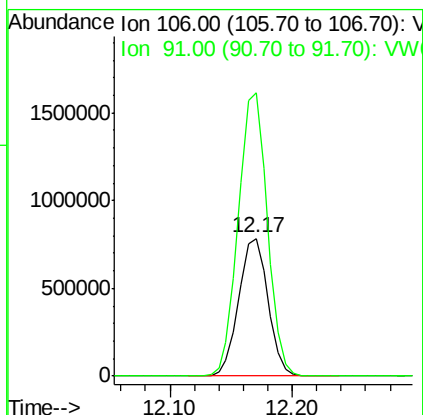
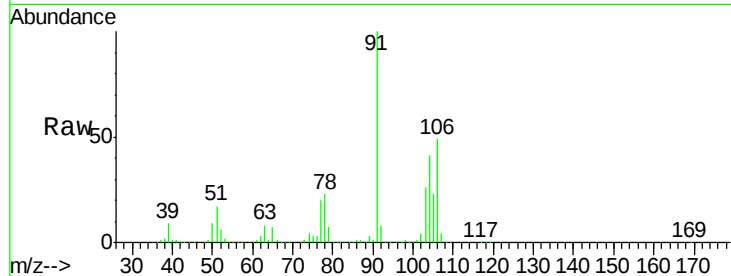




#55
o-xylene
Concen: 101.134 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

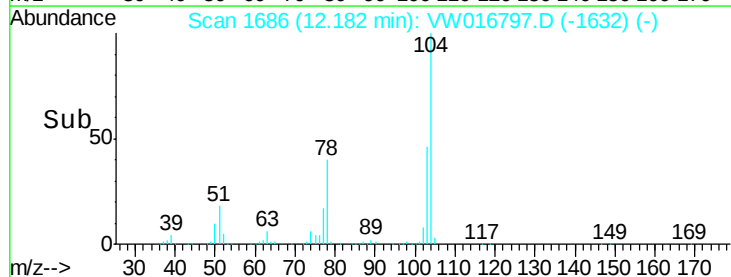
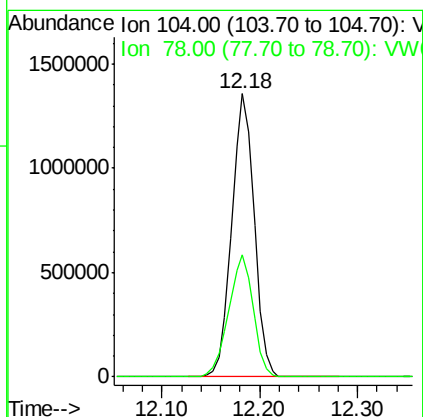
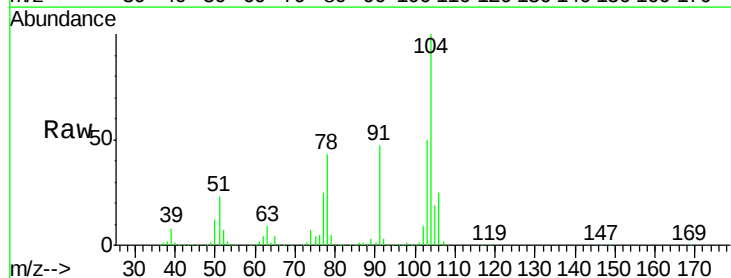
Instrument :
MSVOA_W
ClientSampleId :
VSTD10006

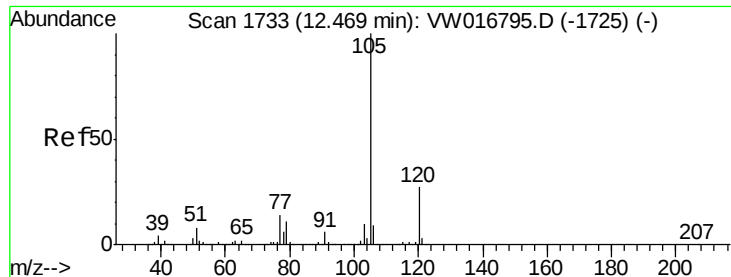
Tgt Ion:106 Resp: 1297836
Ion Ratio Lower Upper
106 100
91 205.8 142.6 264.8



#56
Styrene
Concen: 101.769 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016797.D
Acq: 06 Oct 2020 15:35

Tgt Ion:104 Resp: 2160616
Ion Ratio Lower Upper
104 100
78 43.1 30.7 57.1





#57

Isopropylbenzene

Concen: 99.365 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

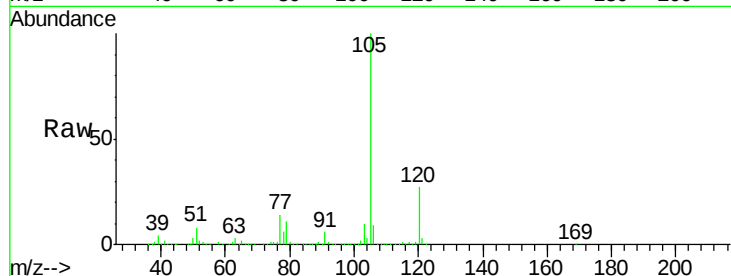
Tgt Ion: 105 Resp: 3487845

Ion Ratio Lower Upper

105 100

120 27.7 21.5 32.3

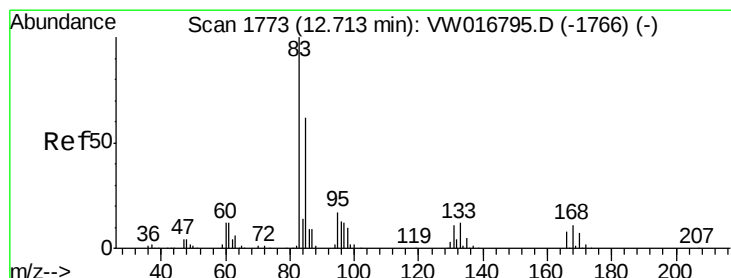
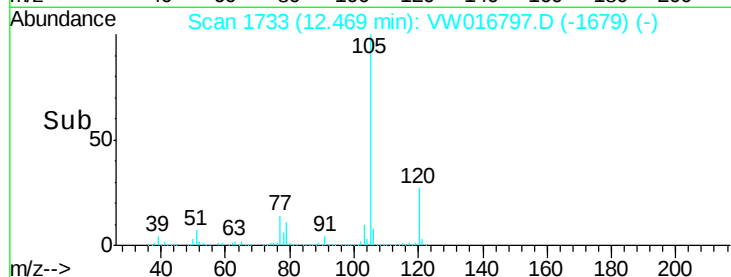
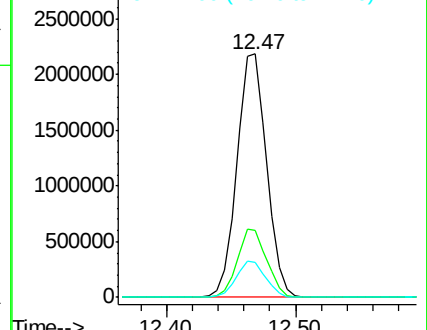
77 14.7 11.4 17.2



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: 91.876 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

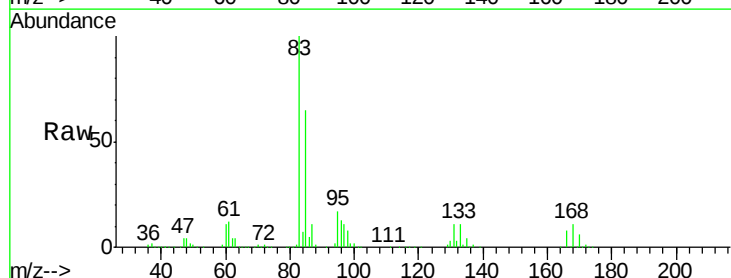
Tgt Ion: 83 Resp: 531570

Ion Ratio Lower Upper

83 100

85 65.3 43.3 80.5

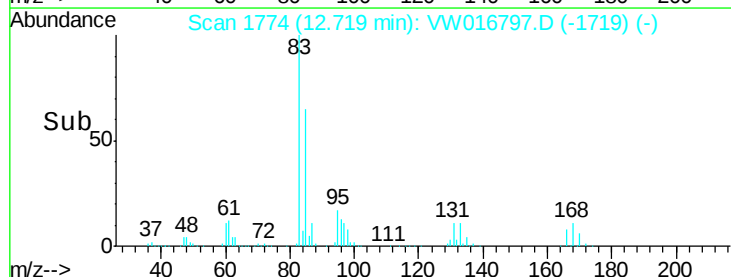
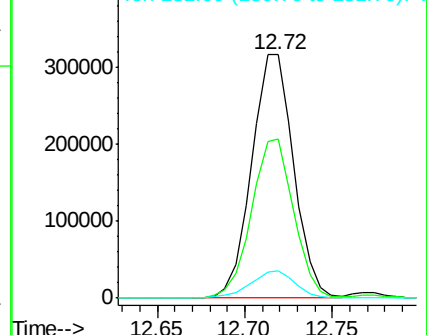
131 11.3 9.0 13.4

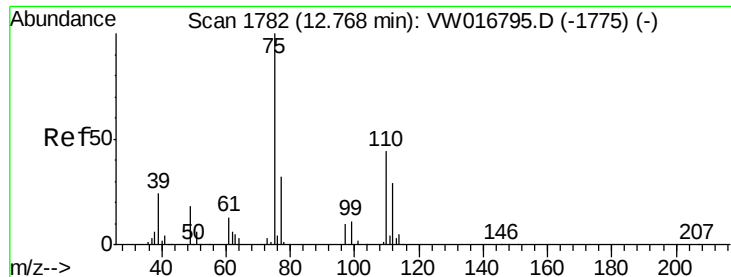


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 88.622 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

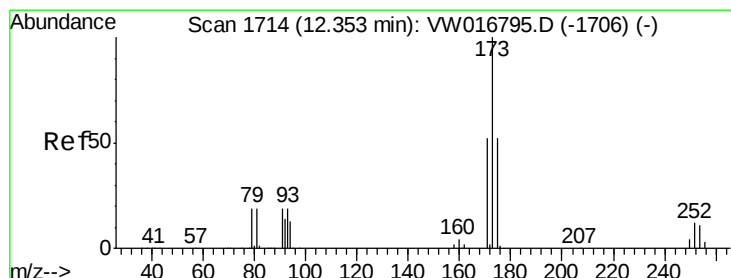
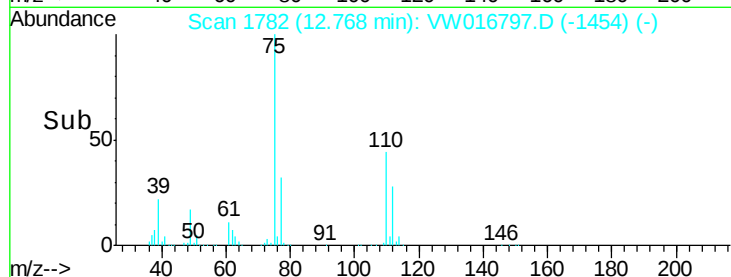
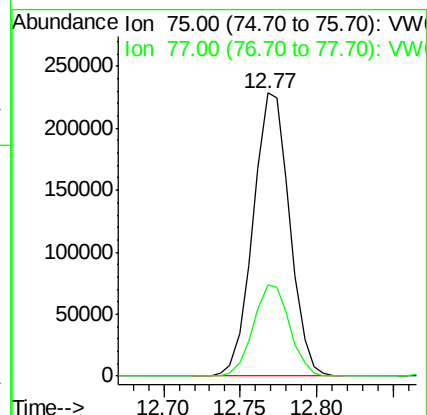
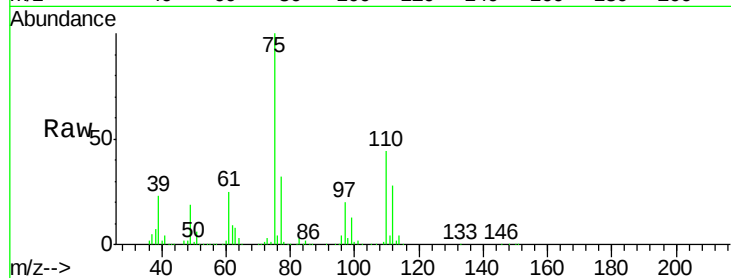
VSTD10006

Tgt Ion: 75 Resp: 378830

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



#62

Bromoform

Concen: 94.196 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

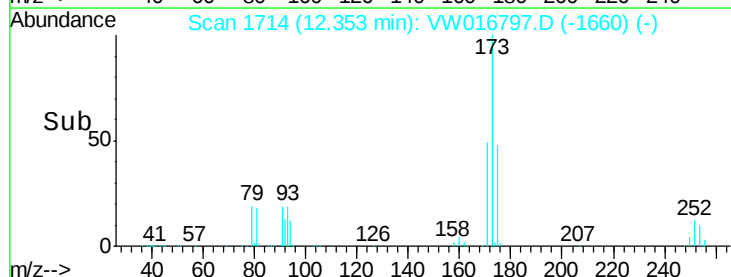
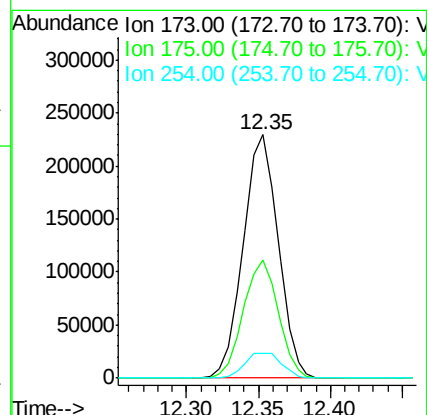
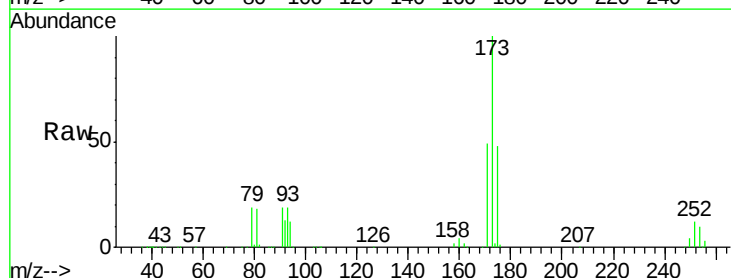
Tgt Ion: 173 Resp: 386984

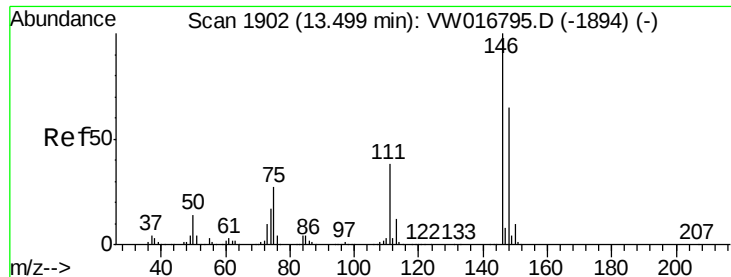
Ion Ratio Lower Upper

173 100

175 48.4 39.9 59.9

254 11.0 8.7 13.1

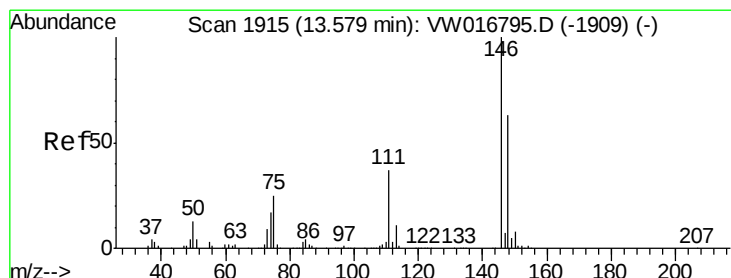
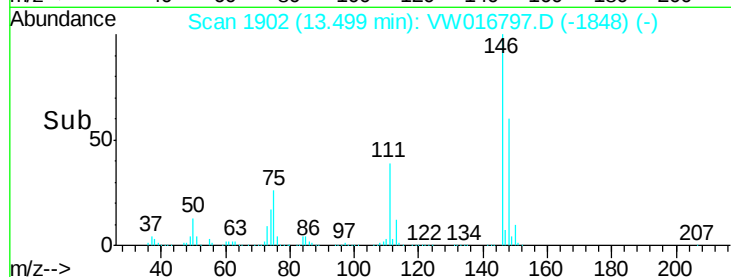
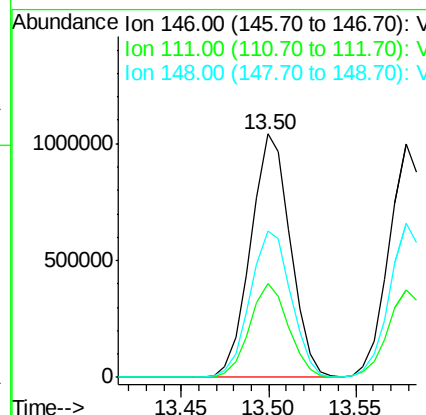
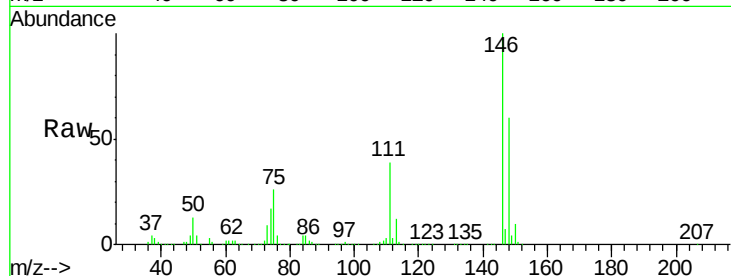




#63
 1,3-Dichlorobenzene
 Concen: 100.119 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

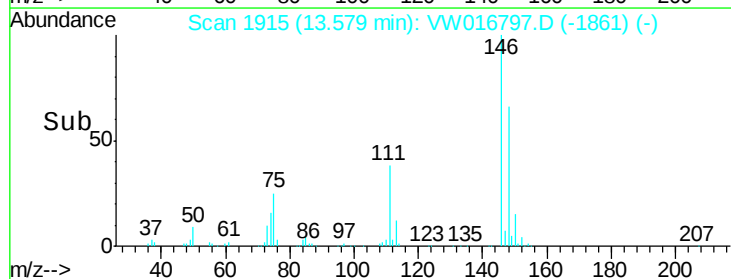
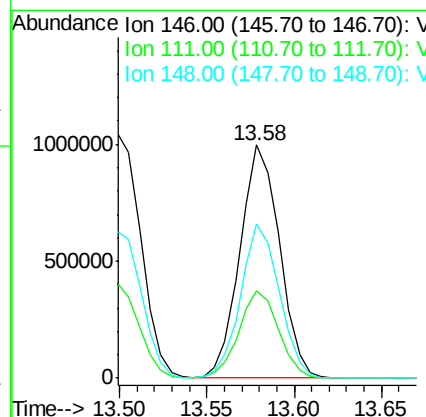
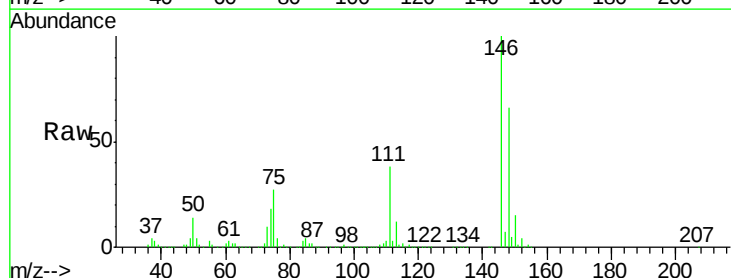
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

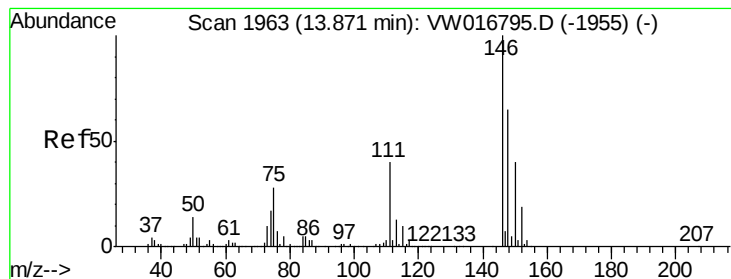
Tgt Ion:146 Resp: 1644860
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 49.9
 148 60.3 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 97.812 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

Tgt Ion:146 Resp: 1568812
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.0 48.4
 148 65.9 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 95.701 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

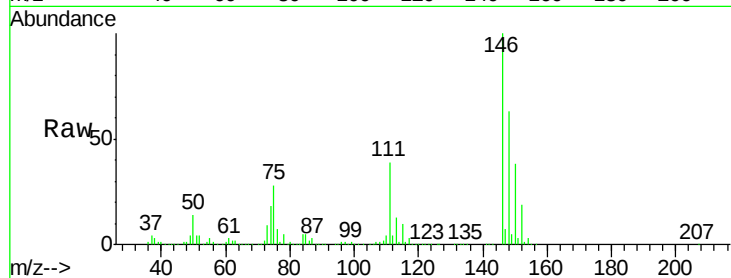
Tgt Ion:146 Resp: 1399647

Ion Ratio Lower Upper

146 100

111 39.1 32.1 48.1

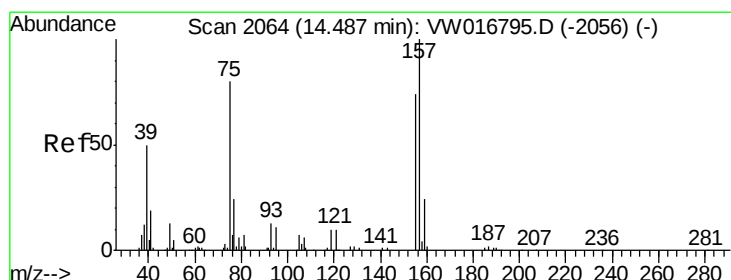
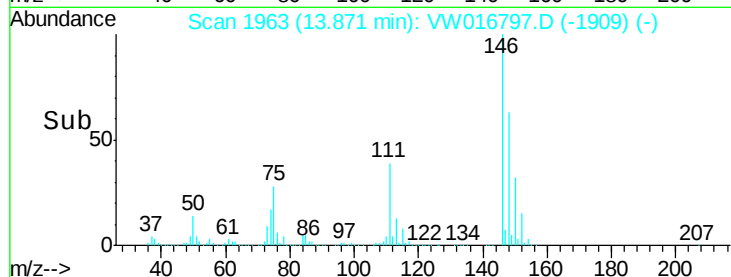
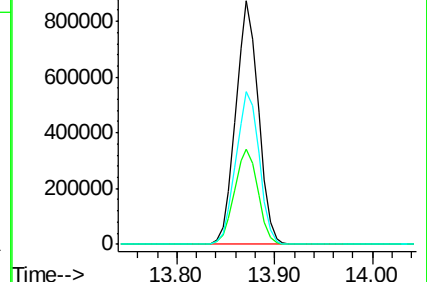
148 62.8 51.8 77.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 86.446 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

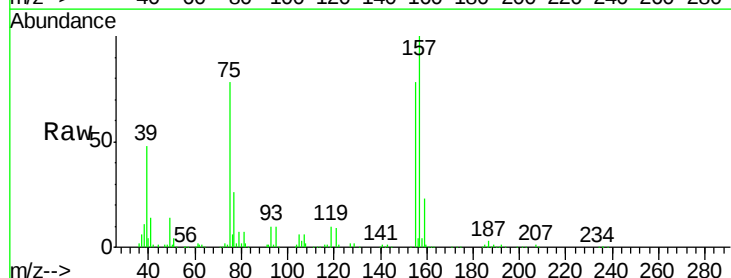
Tgt Ion: 75 Resp: 87182

Ion Ratio Lower Upper

75 100

157 128.5 100.5 150.7

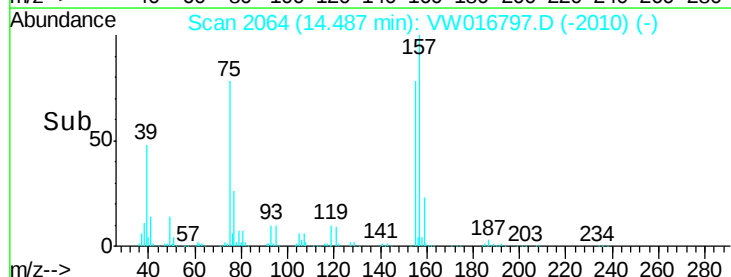
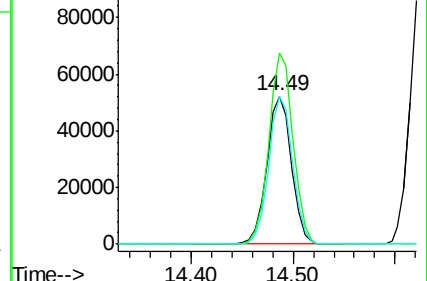
155 99.9 74.7 112.1

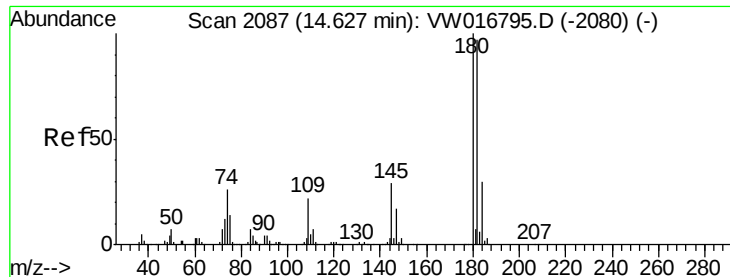


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

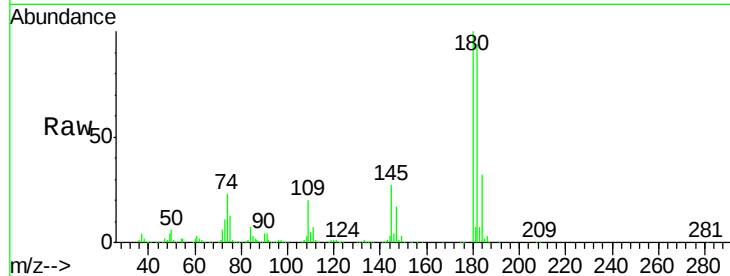




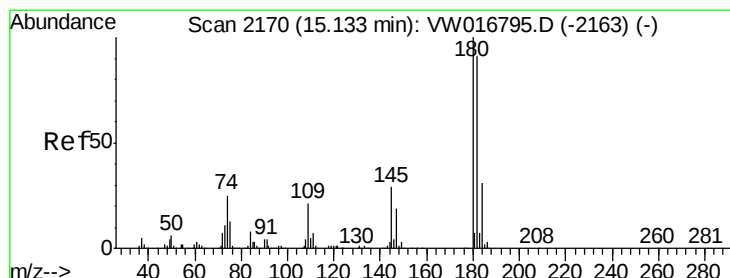
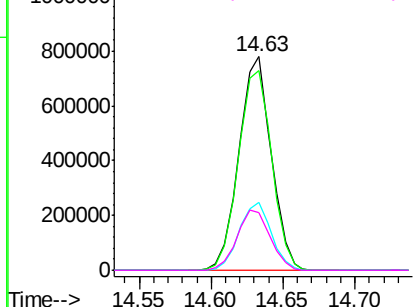
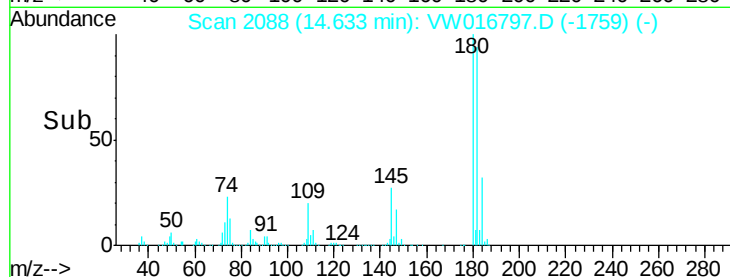
#67
 1,3,5-Trichlorobenzene
 Concen: 101.723 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10006

Tgt Ion:180 Resp: 1211192
 Ion Ratio Lower Upper
 180 100
 182 96.6 79.0 118.6
 184 31.6 24.9 37.3
 145 29.1 23.0 34.4

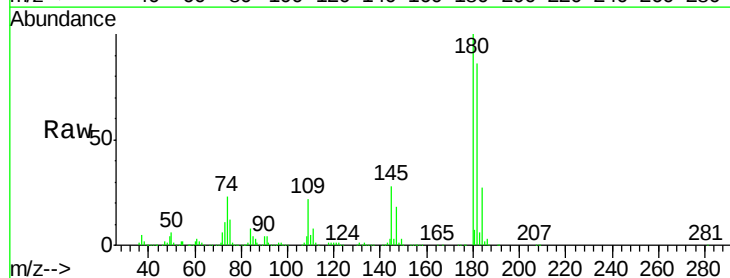


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

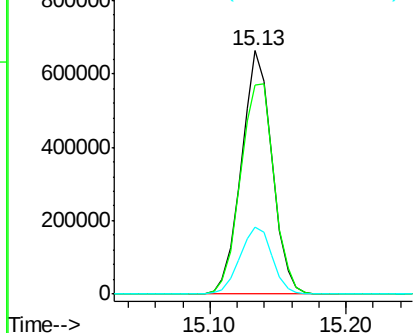
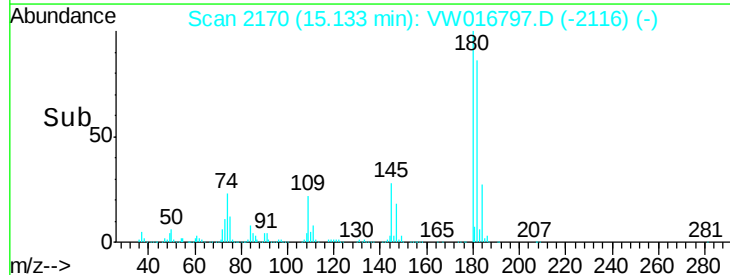


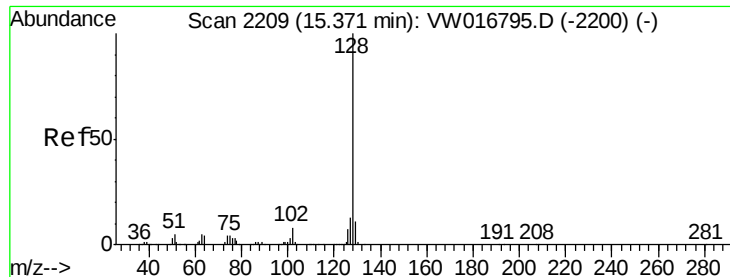
#68
 1,2,4-trichlorobenzene
 Concen: 108.160 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016797.D
 Acq: 06 Oct 2020 15:35

Tgt Ion:180 Resp: 1043707
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.2 111.2
 145 29.2 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 104.485 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD10006

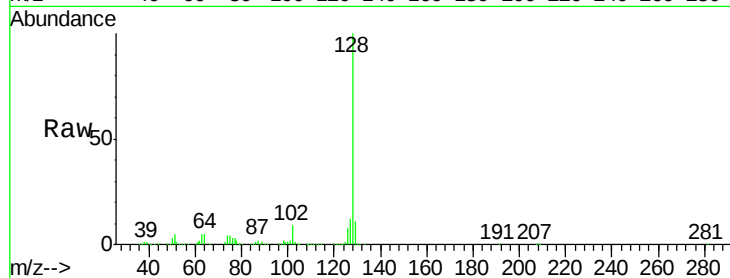
Tgt Ion:128 Resp: 1764219

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

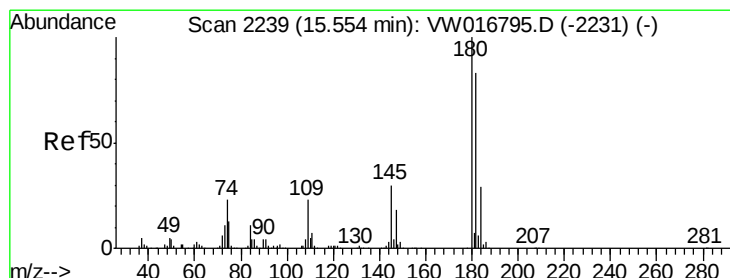
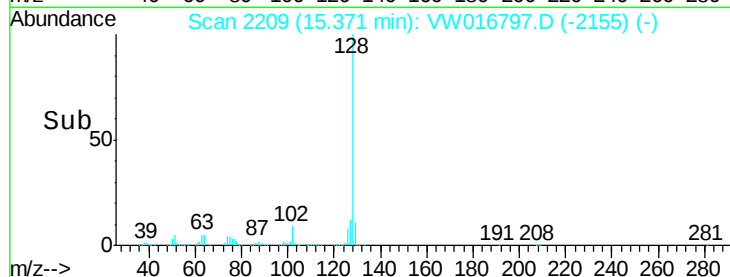
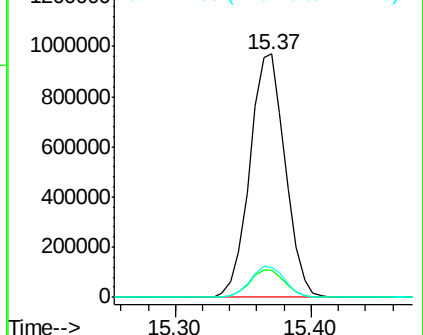
127 12.8 10.1 15.1



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: 104.998 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW016797.D

Acq: 06 Oct 2020 15:35

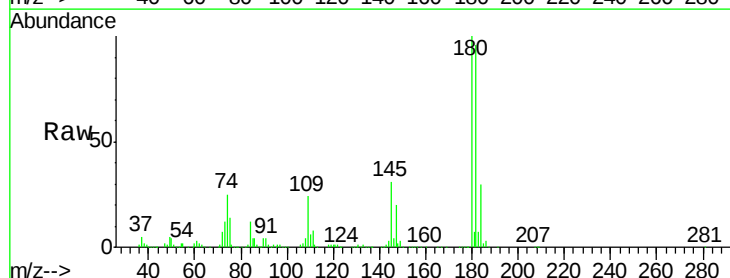
Tgt Ion:180 Resp: 871235

Ion Ratio Lower Upper

180 100

182 98.0 74.1 111.1

145 31.6 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

