

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016678.D
 Acq On : 28 Sep 2020 19:40
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Sep 29 05:30:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	629955	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	562470	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	279840	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	96735	15.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.44%
7) Chloroethane-d5	2.90	69	92507	18.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.32%
10) 1,1-Dichloroethene-d2	4.04	63	277427	20.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.40%
20) 2-Butanone-d5	7.08	46	81953	49.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.60%
24) Chloroform-d	7.66	84	326499	24.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.12%
26) 1,2-Dichloroethane-d4	8.31	65	162746	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
29) Benzene-d6	8.28	84	547875	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.28	67	163471	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	10.33	98	504487	20.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.32%
38) trans-1,3-Dichloropropene-	10.58	79	77369	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.80%
39) 2-Hexanone-d5	10.93	63	67293	54.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	150262	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	229772	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	191325	24.585	ug/L	97
3) Chloromethane	2.23	50	126544	22.223	ug/L	100
5) Vinyl chloride	2.37	62	193372	23.012	ug/L	99
6) Bromomethane	2.79	94	142900	22.412	ug/L	99
8) Chloroethane	2.94	64	117068	23.550	ug/L	97
9) Trichlorofluoromethane	3.28	101	201262	23.756	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	217416	26.787	ug/L	98
12) 1,1-Dichloroethene	4.05	96	208941	26.185	ug/L	95
13) Acetone	4.13	43	58531	44.946	ug/L	98
14) Carbon disulfide	4.40	76	559080	23.224	ug/L	99
15) Methyl Acetate	4.68	43	68816	23.207	ug/L	98
16) Methylene chloride	4.93	84	212464	21.868	ug/L	96
17) Methyl tert-butyl Ether	5.44	73	268908	24.605	ug/L #	93
18) trans-1,2-Dichloroethene	5.44	96	213017	25.779	ug/L	97
19) 1,1-Dichloroethane	6.23	63	336264	25.733	ug/L	98
21) 2-Butanone	7.18	43	89112	40.222	ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	228590	26.661	ug/L	99

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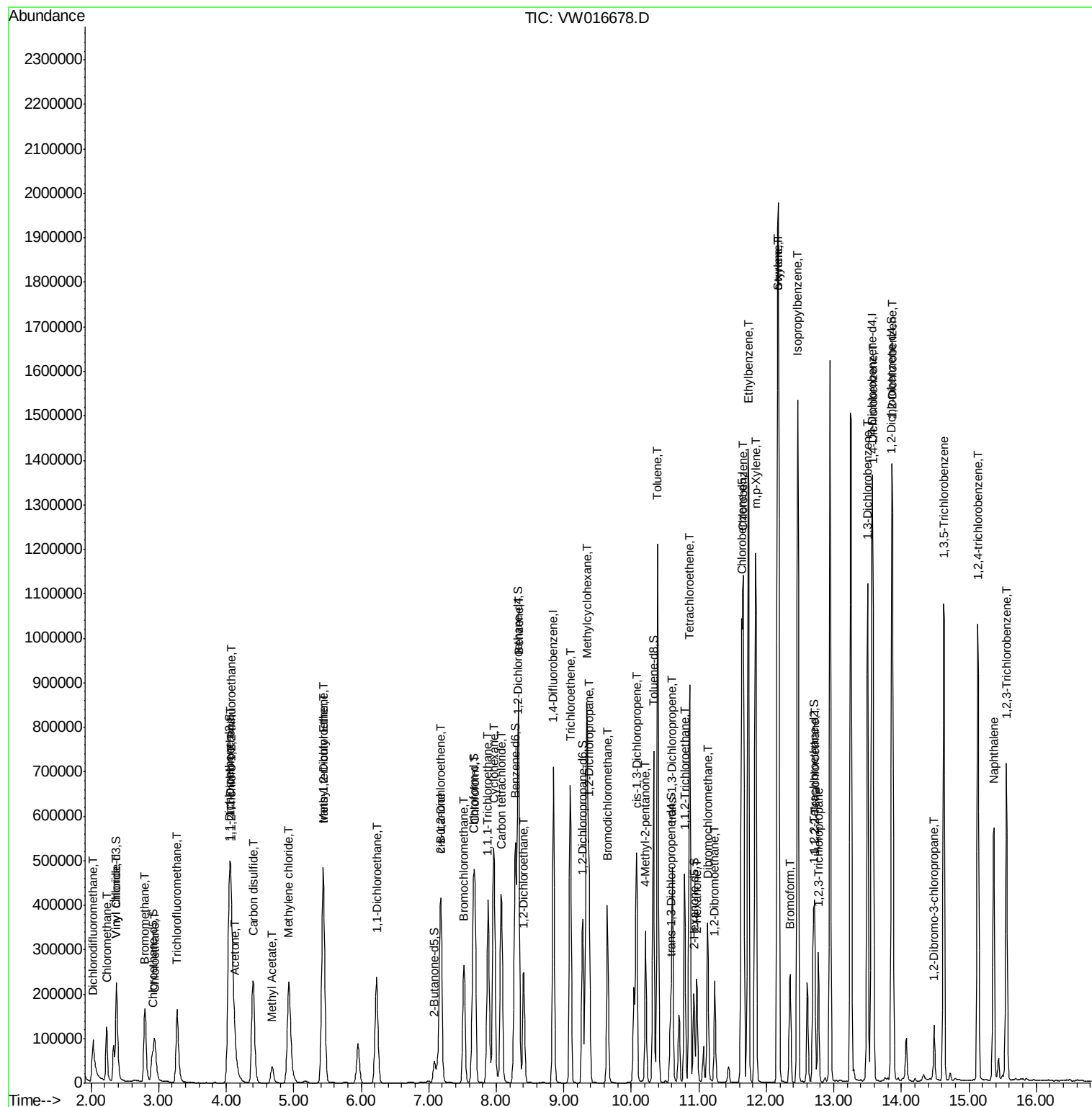
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	106464	25.542	ug/L	93
25) Chloroform	7.68	83	378022	26.533	ug/L	100
27) 1,2-Dichloroethane	8.41	62	234856	25.691	ug/L	100
30) Cyclohexane	7.96	56	303859	24.721	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	347314	26.439	ug/L	97
32) Carbon tetrachloride	8.07	117	337587	26.451	ug/L	97
34) Benzene	8.33	78	784995	26.038	ug/L	100
35) Trichloroethene	9.10	95	228436	26.189	ug/L	98
36) Methylcyclohexane	9.34	83	380554	25.722	ug/L	98
40) 1,2-Dichloropropane	9.37	63	179925	25.660	ug/L	100
41) Bromodichloromethane	9.65	83	267586	25.752	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	300073	25.055	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	201826	45.305	ug/L	98
44) Toluene	10.39	91	897758	26.483	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	257421	24.703	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	150970	25.558	ug/L	99
47) Tetrachloroethene	10.87	164	213671	27.129	ug/L	92
49) 2-Hexanone	10.97	43	135767	48.020	ug/L	96
50) Dibromochloromethane	11.13	129	199583	25.879	ug/L	99
51) 1,2-Dibromoethane	11.24	107	148119	25.044	ug/L	91
52) Chlorobenzene	11.66	112	604146	26.531	ug/L	100
53) Ethylbenzene	11.73	91	1010384	26.252	ug/L	93
54) m,p-Xylene	11.84	106	398729	26.457	ug/L	98
55) o-xylene	12.17	106	385826	26.723	ug/L	99
56) Styrene	12.18	104	624104	26.031	ug/L	99
57) Isopropylbenzene	12.47	105	1055083	26.743	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	162957	24.669	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	120629	24.518	ug/L	99
62) Bromoform	12.35	173	116591	24.701	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	476916	26.202	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	468708	26.294	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	431065	26.504	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28458	24.411	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	354386	26.622	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	360226	33.451	ug/L	98
69) Naphthalene	15.37	128	524888	27.496	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	264469	28.555	ug/L	99

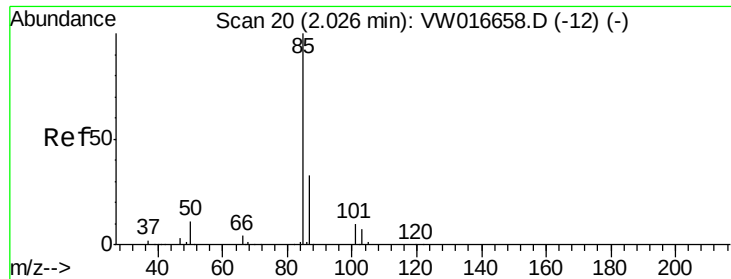
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.585 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

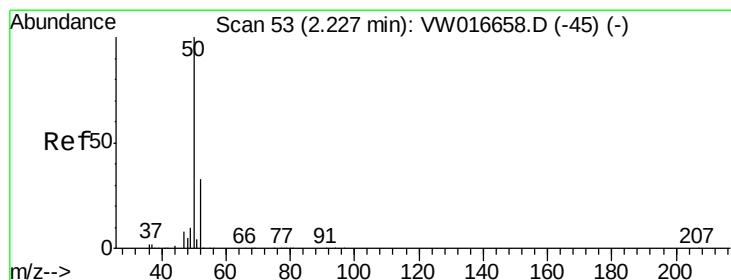
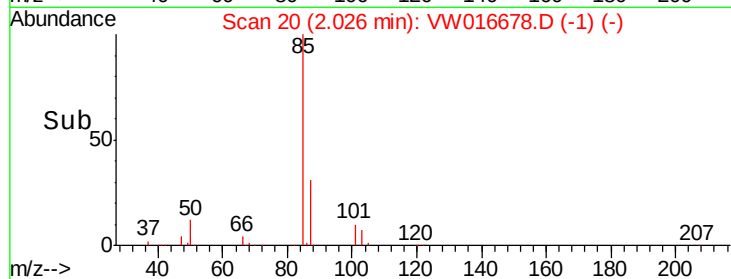
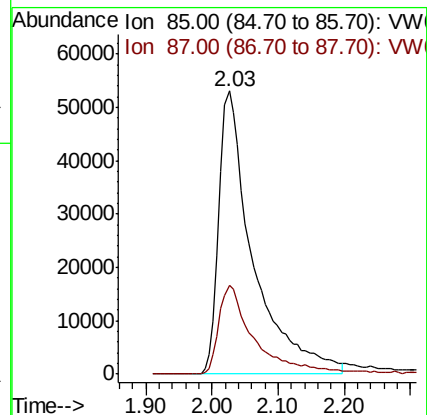
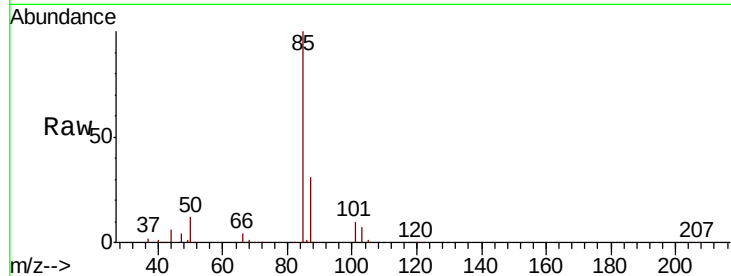
VSTD02510

Tot Ion: 85 Resp: 191325

Ion Ratio Lower Upper

85 100

87 30.1 22.2 41.2



#3

Chloromethane

Concen: 22.223 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016678.D

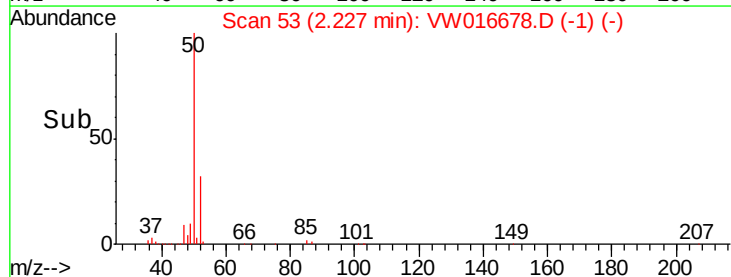
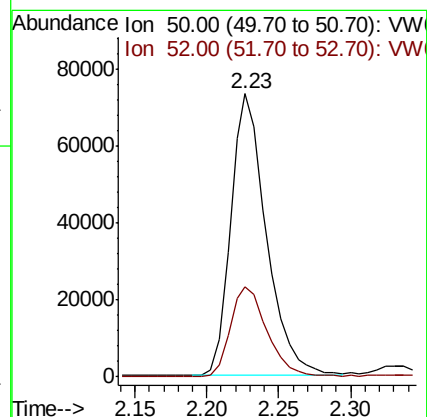
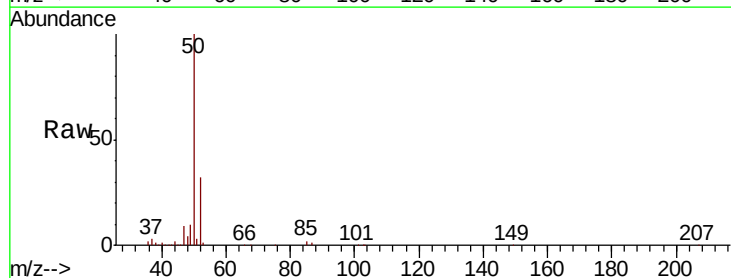
Acq: 28 Sep 2020 19:40

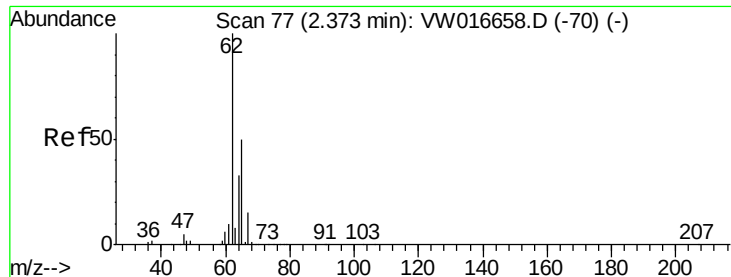
Tgt Ion: 50 Resp: 126544

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6





#5

Vinyl chloride

Concen: 23.012 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

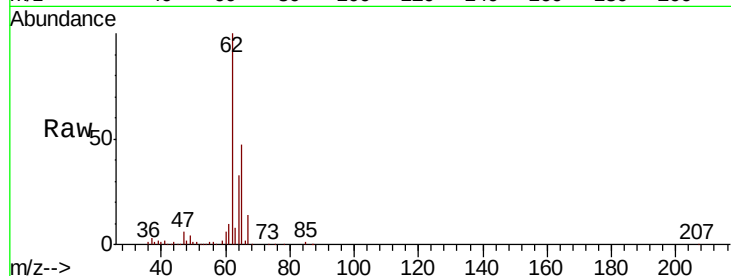
VSTD02510

Tot Ion: 62 Resp: 193372

Ion Ratio Lower Upper

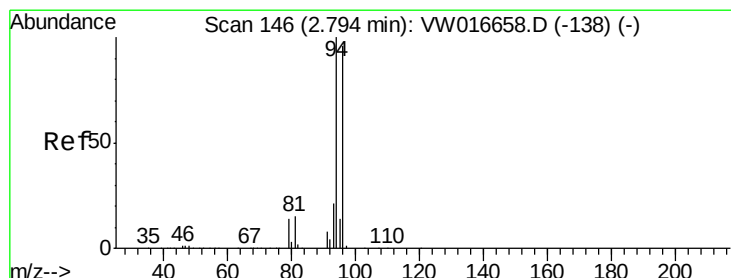
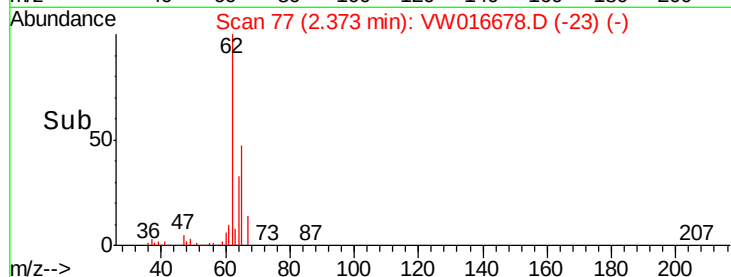
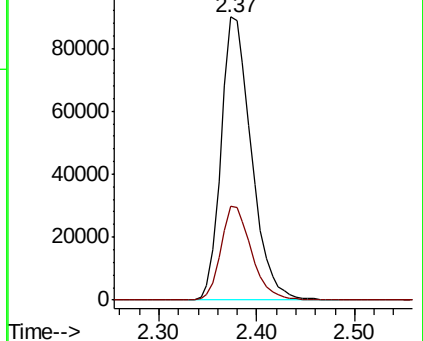
62 100

64 33.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.412 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016678.D

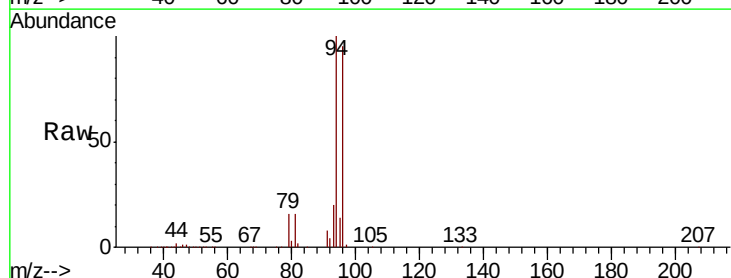
Acq: 28 Sep 2020 19:40

Tgt Ion: 94 Resp: 142900

Ion Ratio Lower Upper

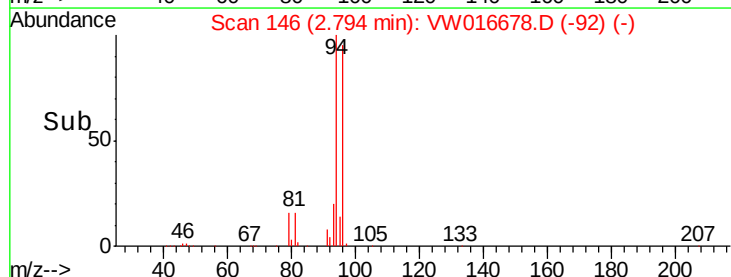
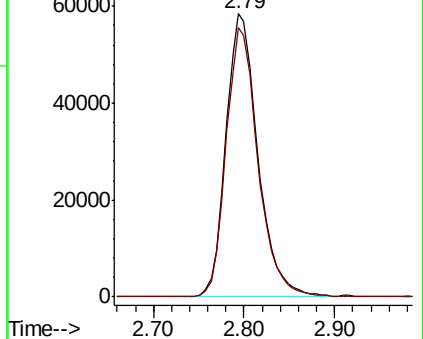
94 100

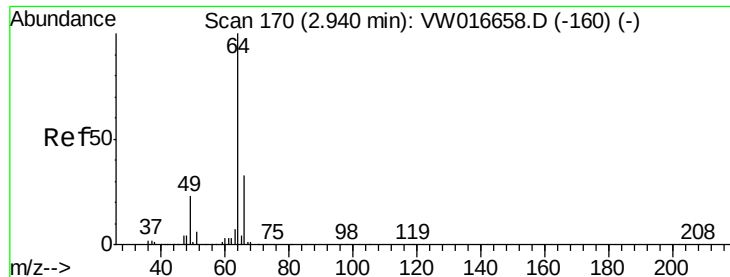
96 94.9 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.550 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

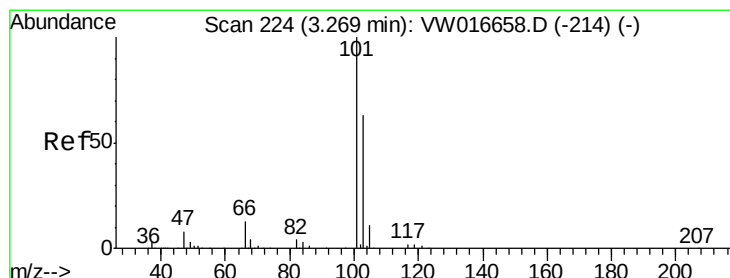
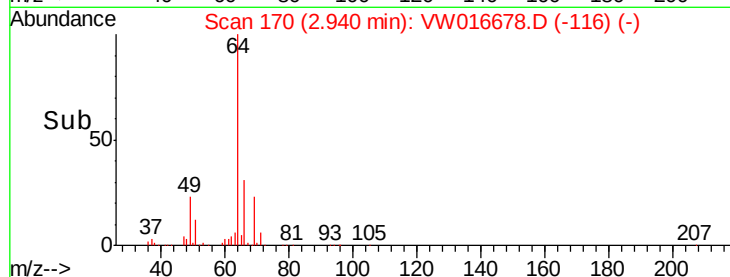
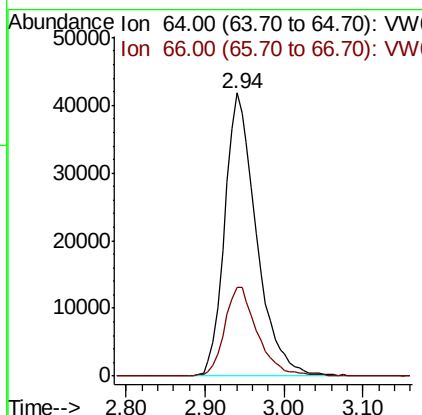
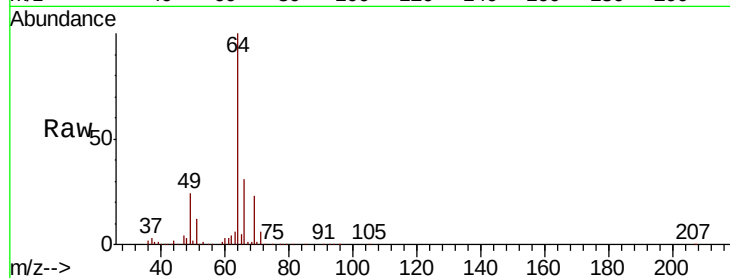
VSTD02510

Tot Ion: 64 Resp: 117068

Ion Ratio Lower Upper

64 100

66 31.4 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.756 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016678.D

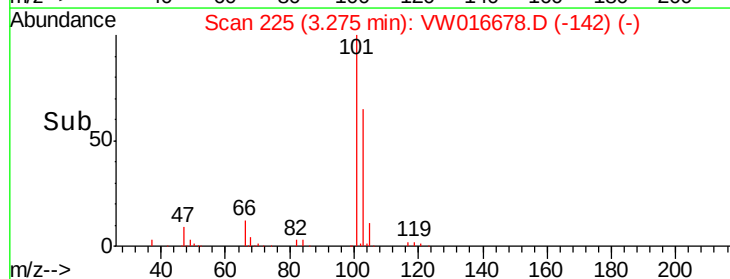
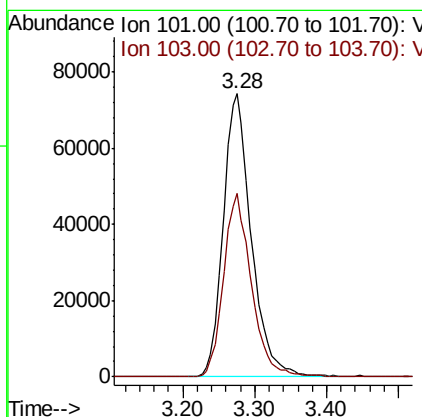
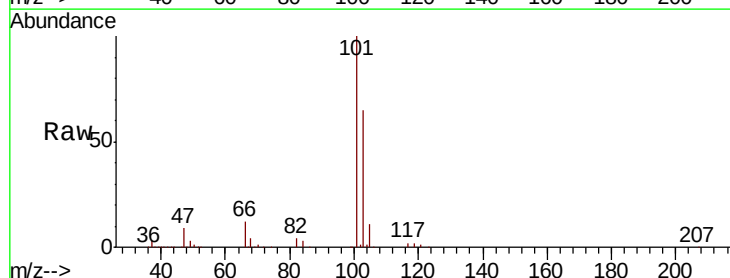
Acq: 28 Sep 2020 19:40

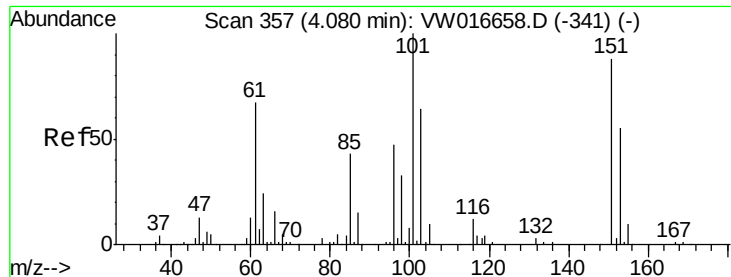
Tgt Ion: 101 Resp: 201262

Ion Ratio Lower Upper

101 100

103 64.0 45.2 84.0





#11

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

Concen: 26.787 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

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ClientSampleId :

VSTD02510

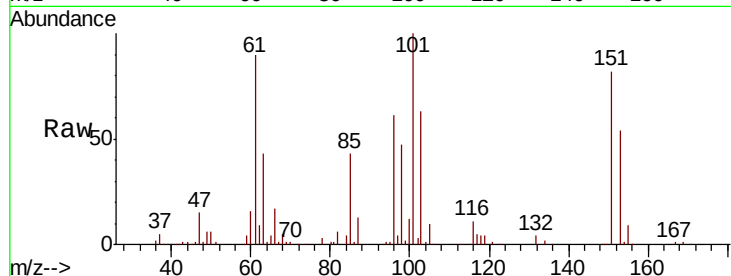
Tot Ion:101 Resp: 217416

Ion Ratio Lower Upper

101 100

85 42.3 32.6 49.0

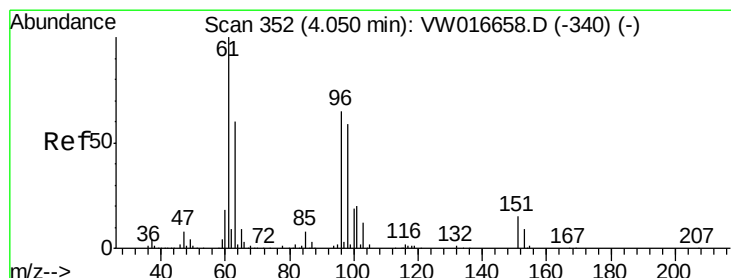
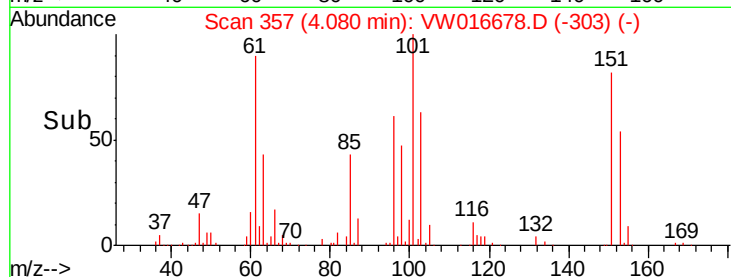
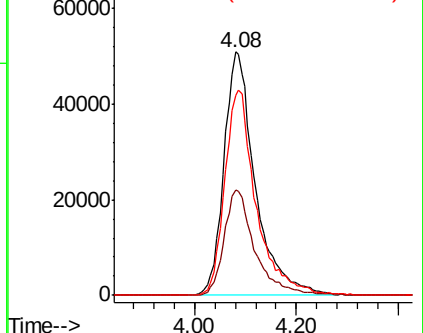
151 84.1 66.0 99.0



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: 26.185 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

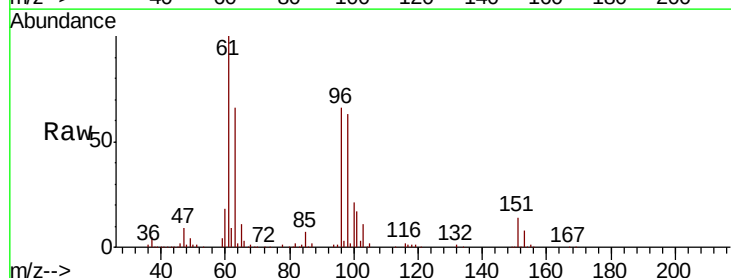
Tgt Ion: 96 Resp: 208941

Ion Ratio Lower Upper

96 100

61 151.7 111.4 206.8

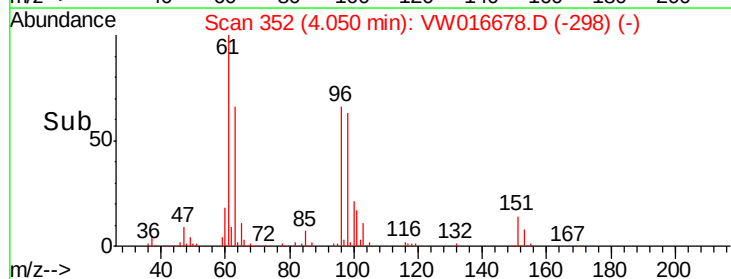
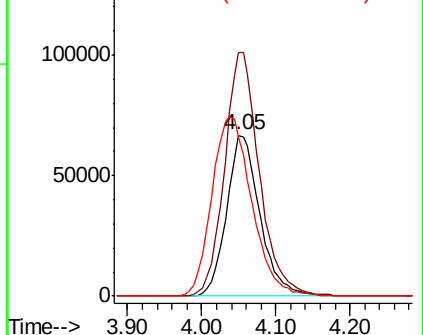
63 99.4 73.0 135.6

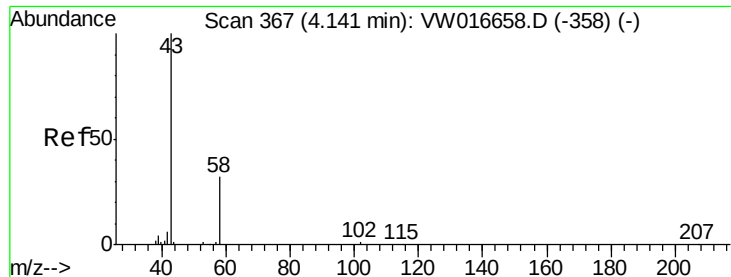


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.946 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

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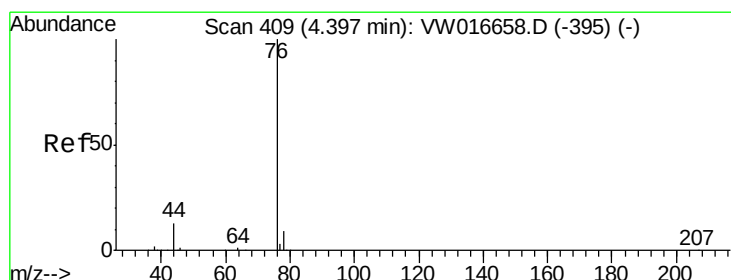
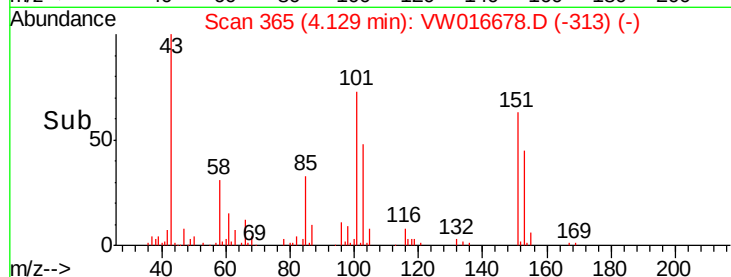
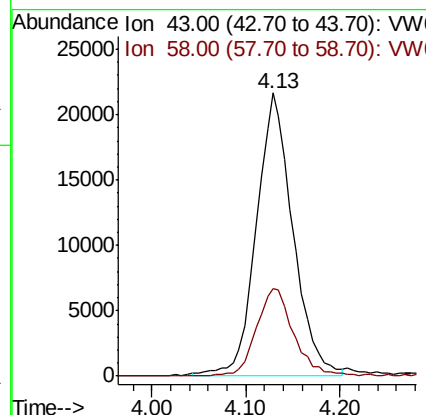
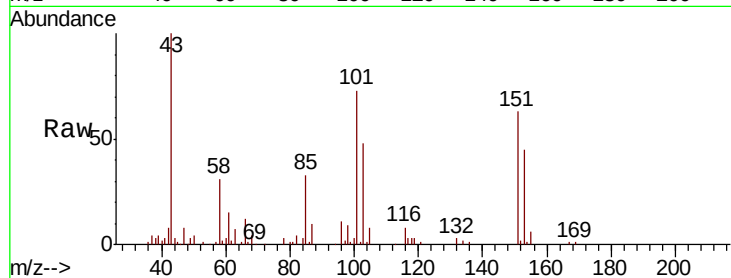
VSTD02510

Tot Ion: 43 Resp: 58531

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.2



#14

Carbon disulfide

Concen: 23.224 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.00 min

Lab File: VW016678.D

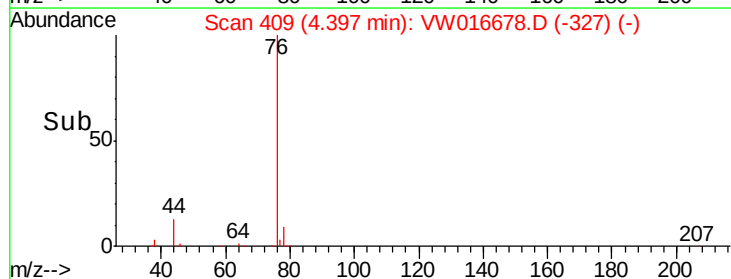
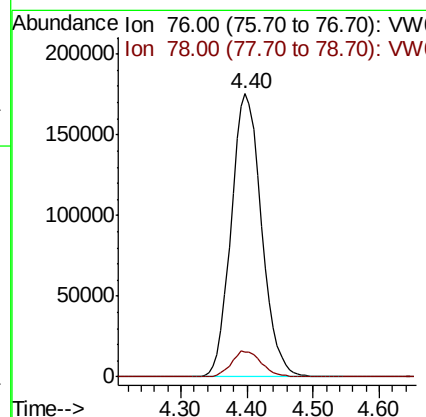
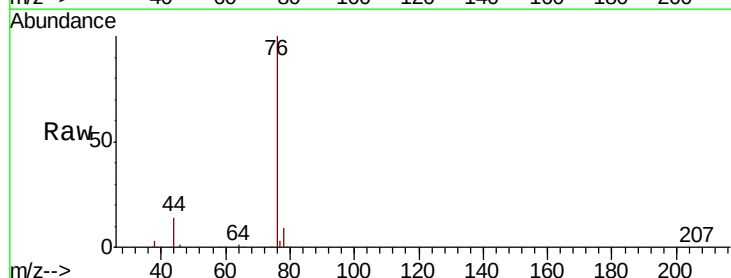
Acq: 28 Sep 2020 19:40

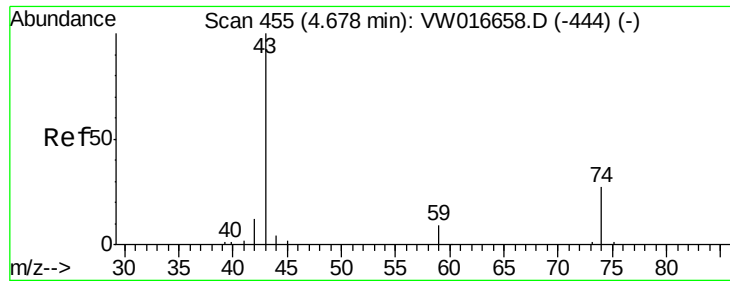
Tgt Ion: 76 Resp: 559080

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

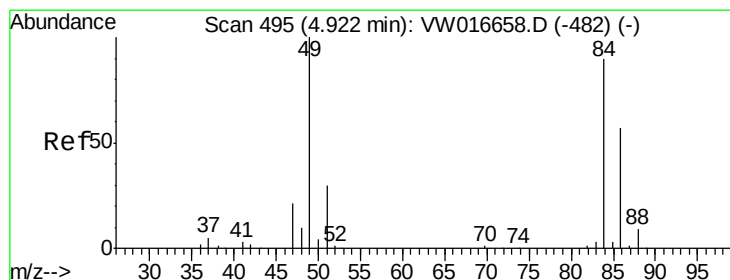
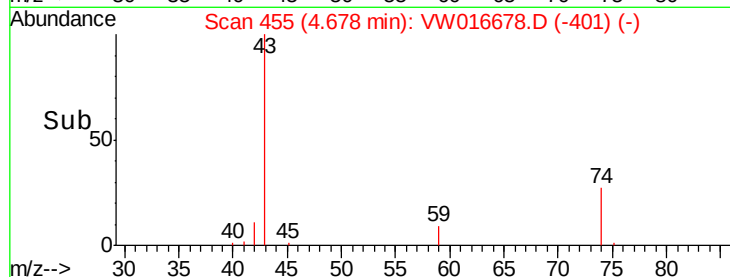
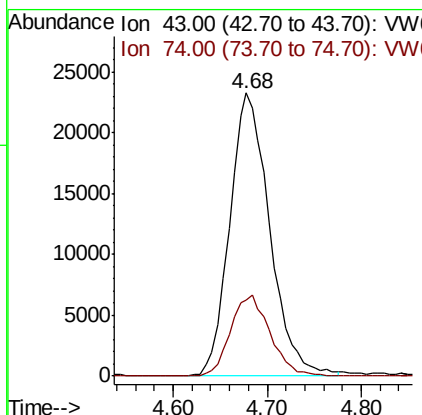
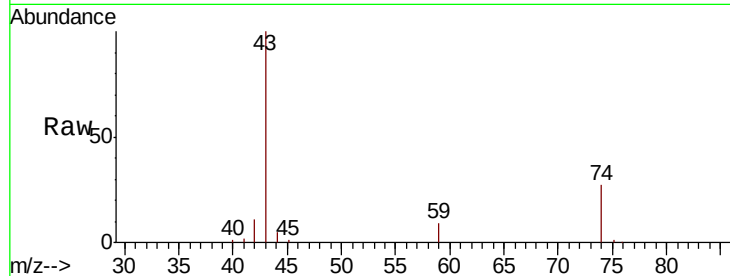




#15
Methyl Acetate
Concen: 23.207 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

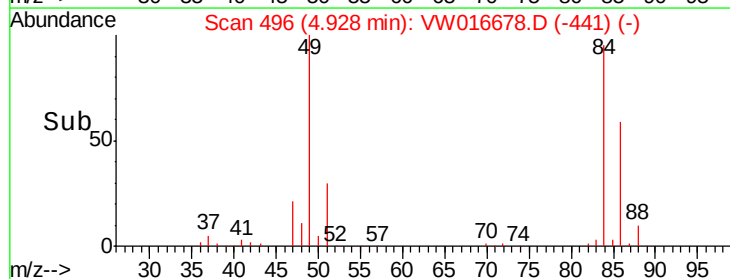
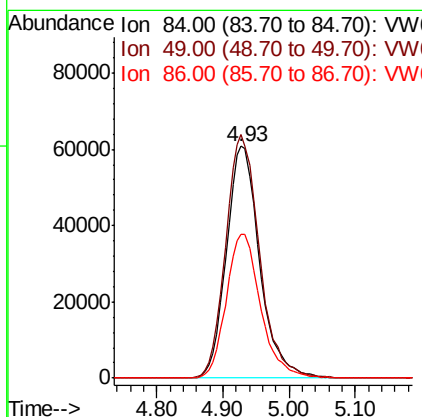
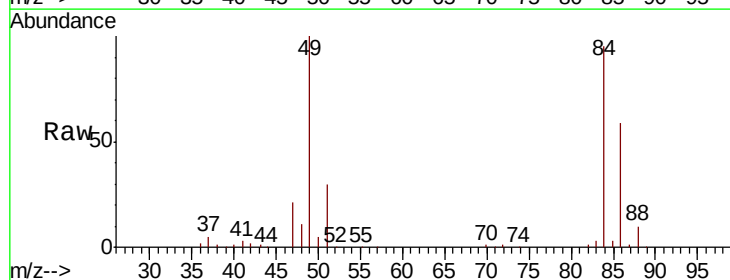
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

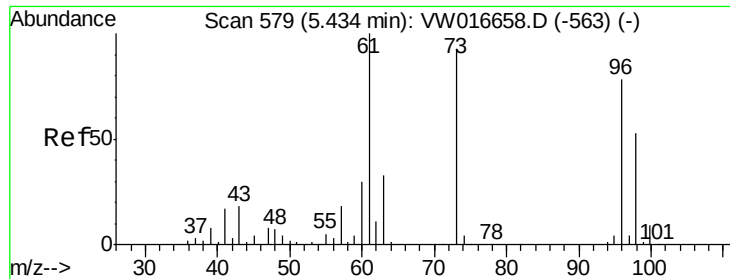
Tot Ion: 43 Resp: 68816
Ion Ratio Lower Upper
43 100
74 28.1 21.5 32.3



#16
Methylene chloride
Concen: 21.868 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion: 84 Resp: 212464
Ion Ratio Lower Upper
84 100
49 105.1 76.0 141.2
86 62.1 45.6 84.6

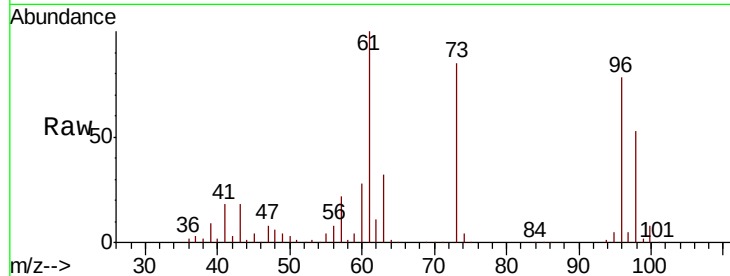




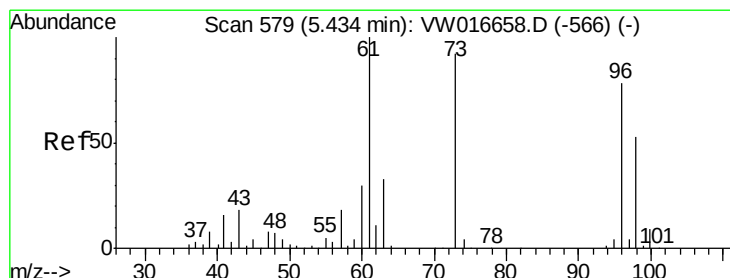
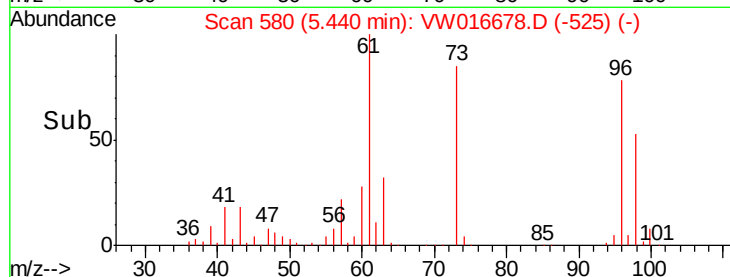
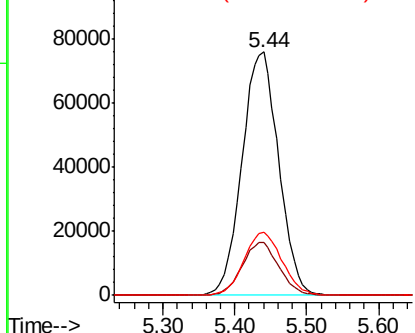
#17
Methyl tert-butyl Ether
Concen: 24.605 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tot Ion: 73 Resp: 268908
Ion Ratio Lower Upper
73 100
43 21.7 17.2 25.8
57 26.8 16.3 24.5#

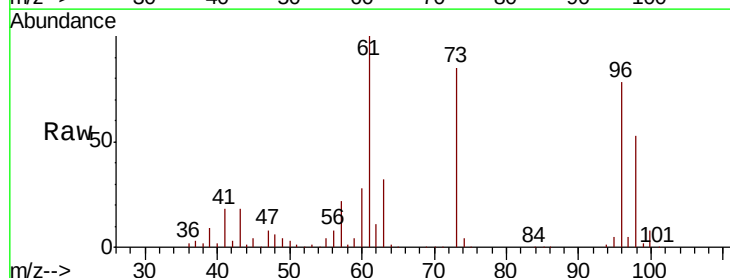


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

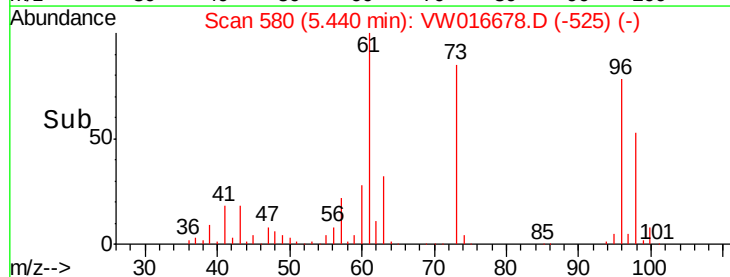
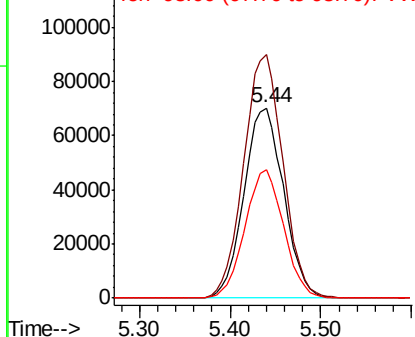


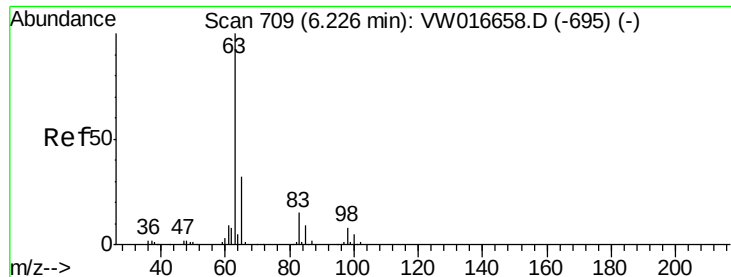
#18
trans-1,2-Dichloroethene
Concen: 25.779 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion: 96 Resp: 213017
Ion Ratio Lower Upper
96 100
61 128.0 88.4 164.2
98 67.2 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

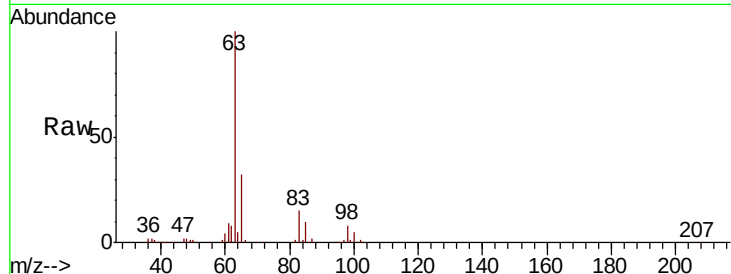




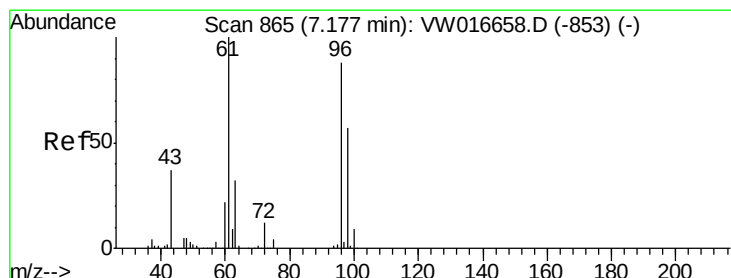
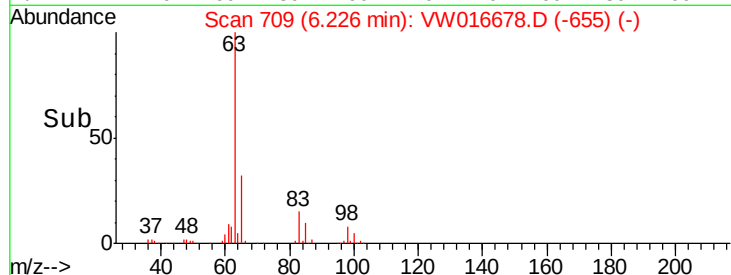
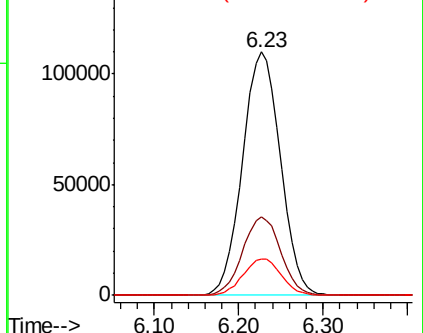
#19
 1,1-Dichloroethane
 Concen: 25.733 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 63 Resp: 336264
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.0
 83 15.0 10.4 19.2

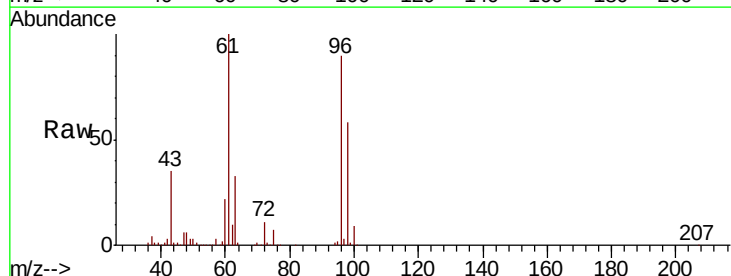


Abundance Ion 63.00 (62.70 to 63.70): VW
 150000 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

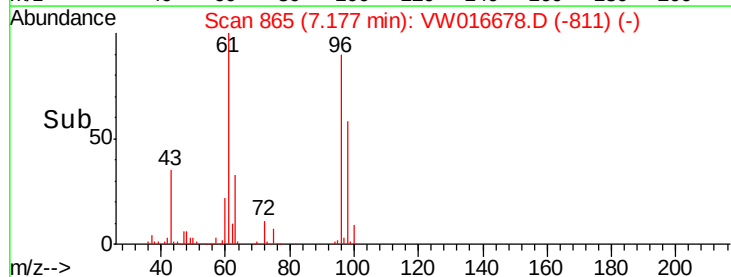
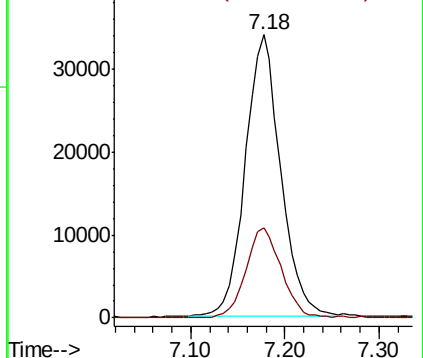


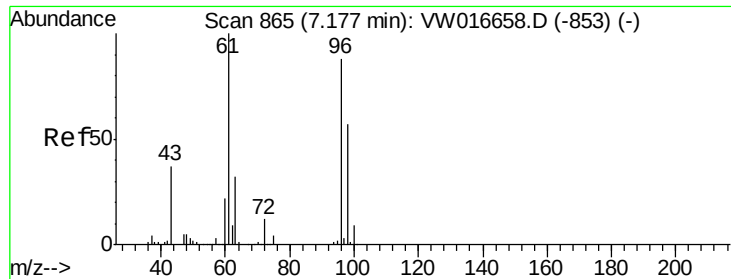
#21
 2-Butanone
 Concen: 40.222 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion: 43 Resp: 89112
 Ion Ratio Lower Upper
 43 100
 72 32.5 14.6 43.8



Abundance Ion 43.00 (42.70 to 43.70): VW
 40000 Ion 72.00 (71.70 to 72.70): VW



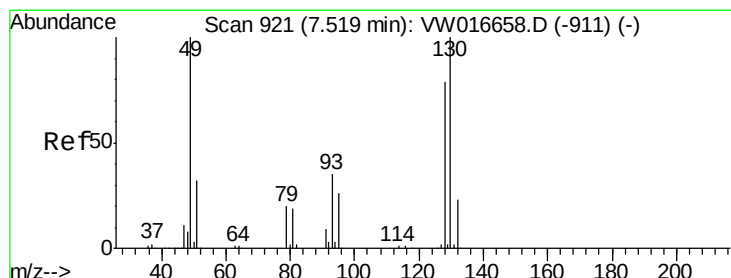
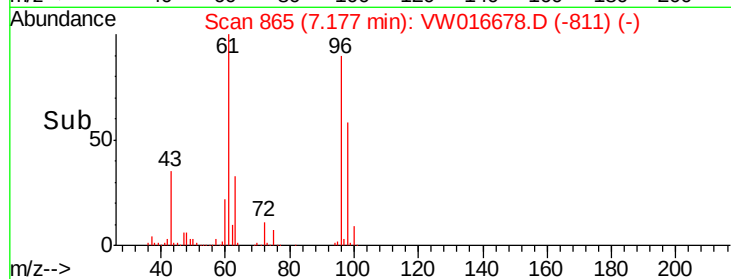
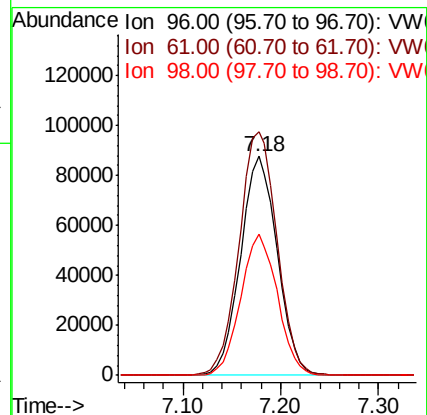
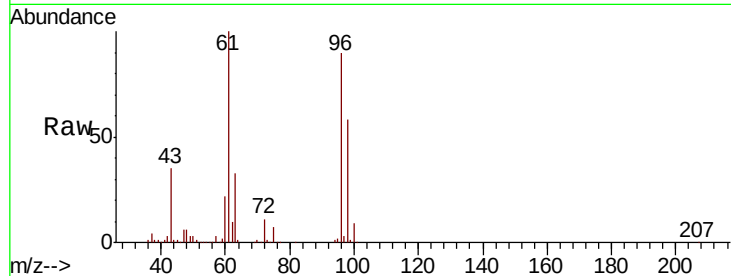


#22

cis-1,2-Dichloroethene
 Concen: 26.661 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

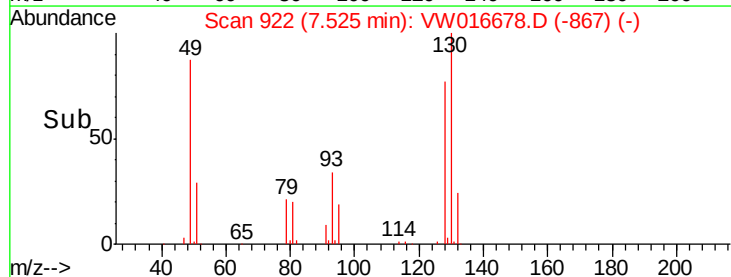
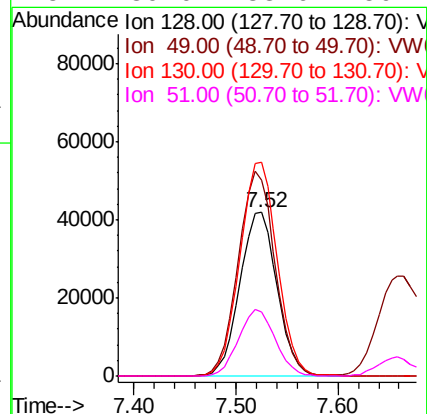
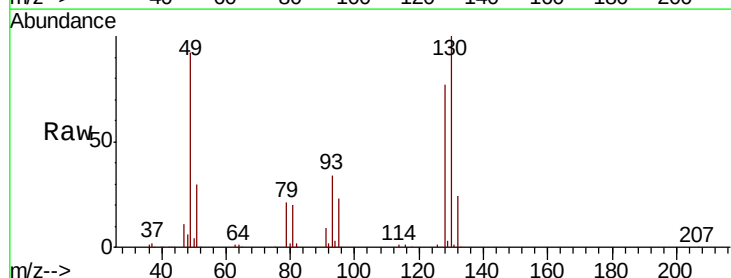
Tot Ion: 96 Resp: 228590
 Ion Ratio Lower Upper
 96 100
 61 111.1 78.4 145.6
 98 64.4 44.8 83.2

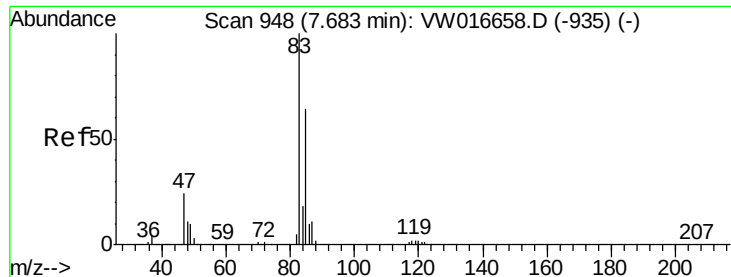


#23

Bromochloromethane
 Concen: 25.542 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion: 128 Resp: 106464
 Ion Ratio Lower Upper
 128 100
 49 119.4 92.1 171.1
 130 130.4 87.8 163.0
 51 39.0 33.6 50.4

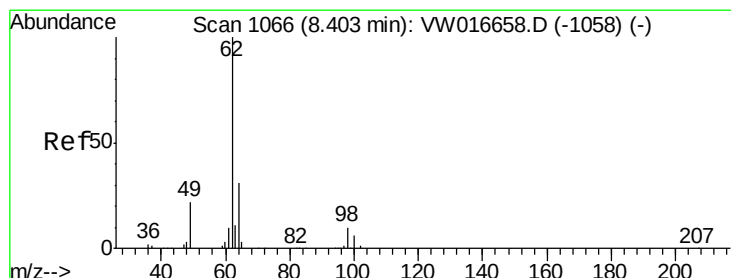
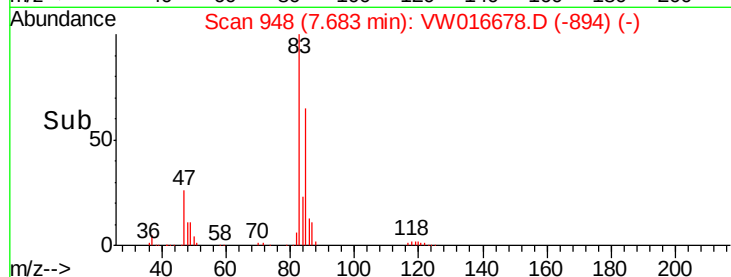
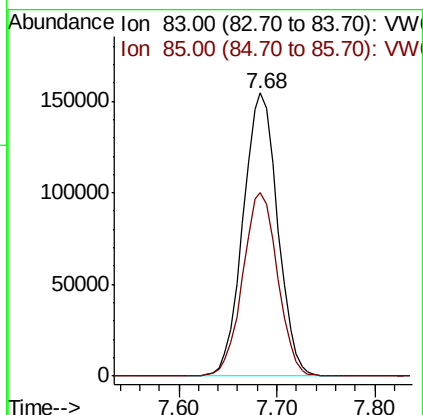
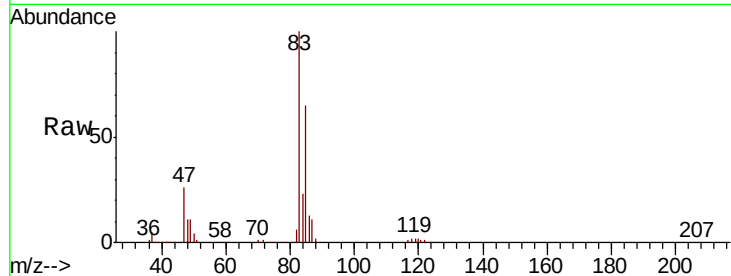




#25
Chloroform
Concen: 26.533 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

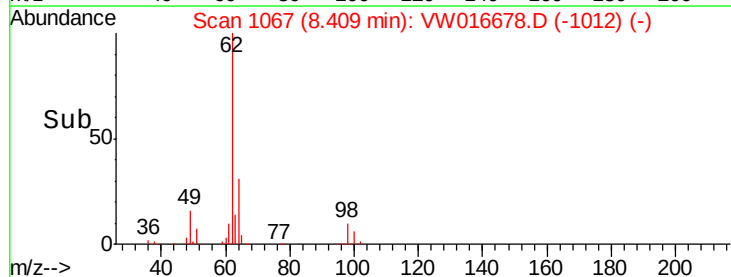
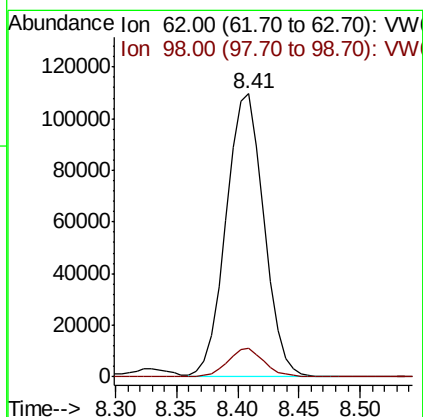
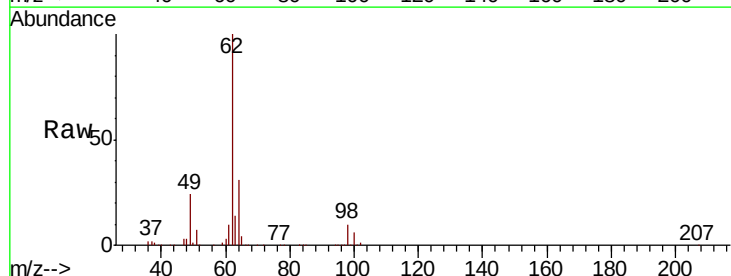
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

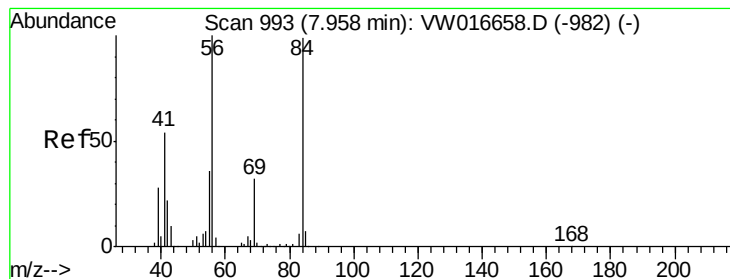
Tot Ion: 83 Resp: 378022
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.691 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion: 62 Resp: 234856
Ion Ratio Lower Upper
62 100
98 10.1 7.9 11.9





#30

Cyclohexane

Concen: 24.721 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

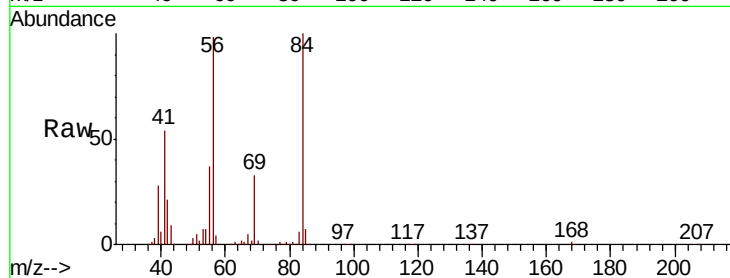
Tot Ion: 56 Resp: 303859

Ion Ratio Lower Upper

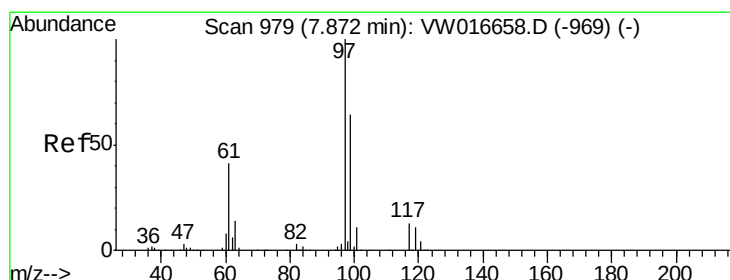
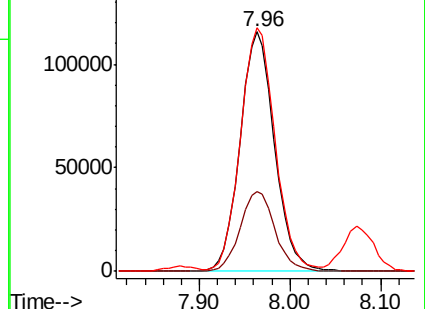
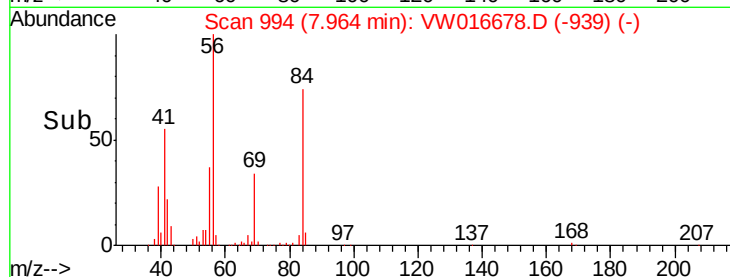
56 100

69 33.7 26.5 39.7

84 102.4 79.0 118.6



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



#31

1,1,1-Trichloroethane

Concen: 26.439 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

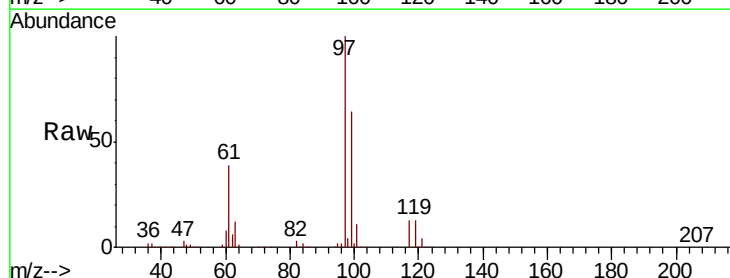
Tgt Ion: 97 Resp: 347314

Ion Ratio Lower Upper

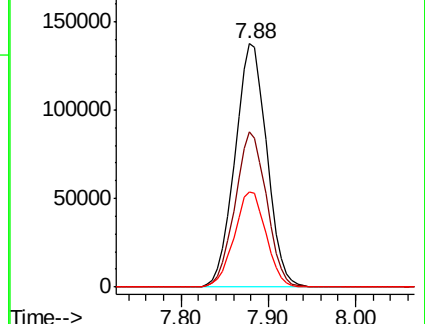
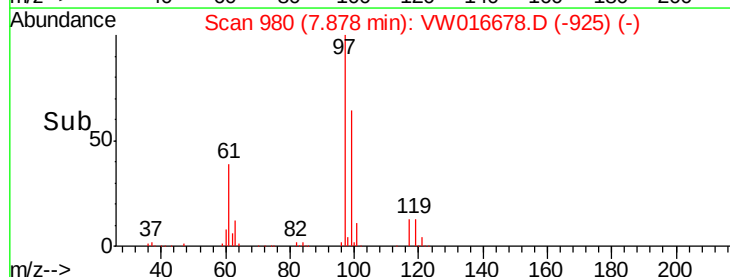
97 100

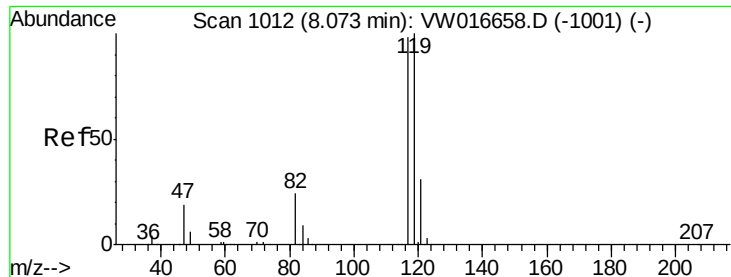
99 63.3 51.8 77.6

61 39.4 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 26.451 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

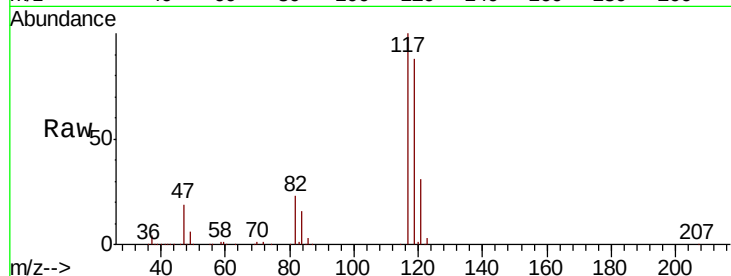
VSTD02510

Tot Ion:117 Resp: 337587

Ion Ratio Lower Upper

117 100

119 94.7 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

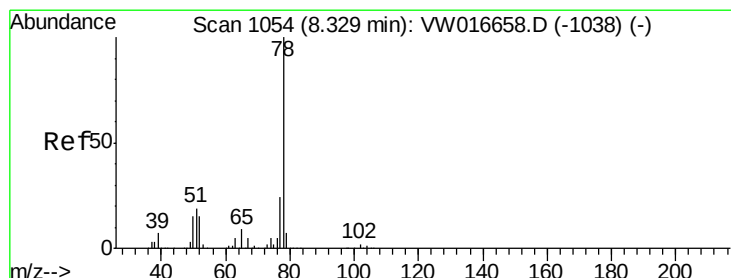
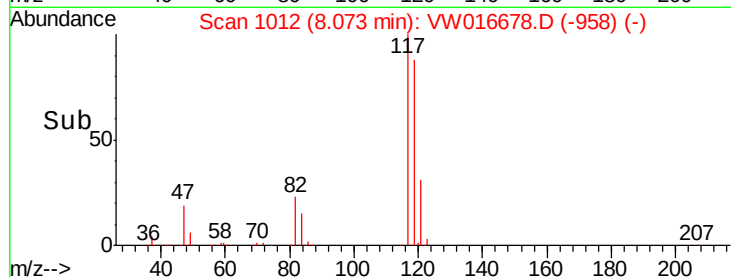
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.038 ug/L

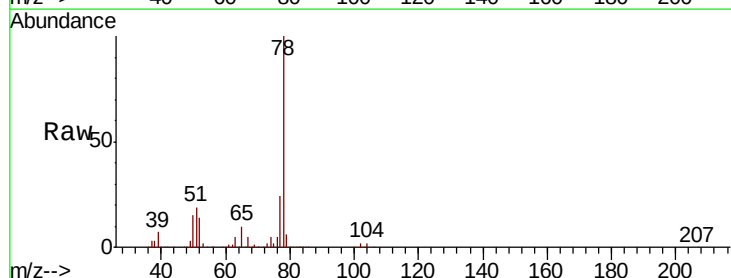
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Tgt Ion: 78 Resp: 784995



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

300000

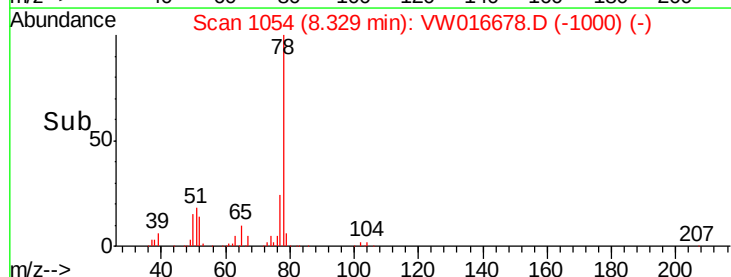
200000

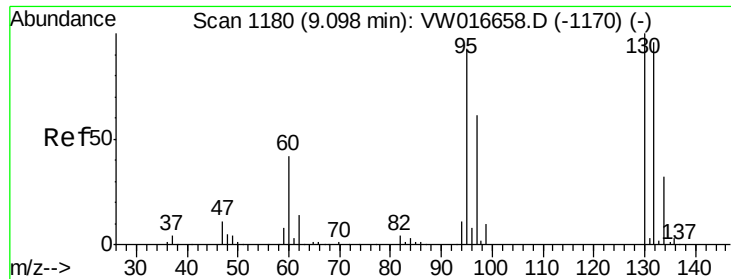
100000

0

8.20 8.30 8.40

Time-->

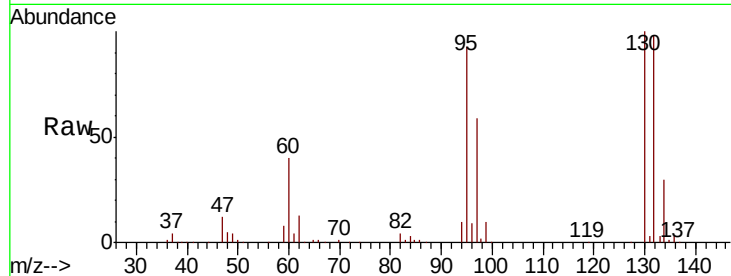




#35
 Trichloroethene
 Concen: 26.189 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion	95	Resp	228436
Ion Ratio	Lower	Upper	
95	100		
97	64.8	45.2	84.0
132	107.1	73.3	136.1
130	107.7	77.5	143.9



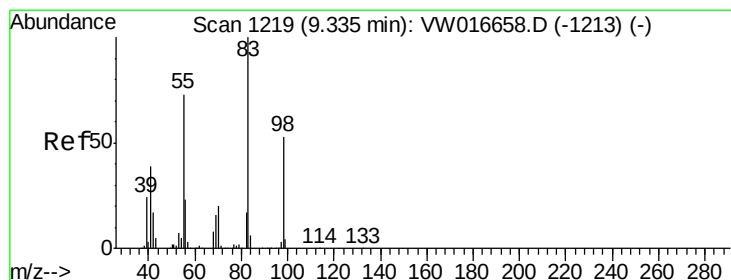
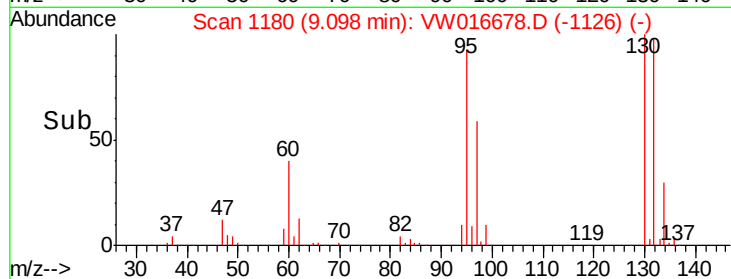
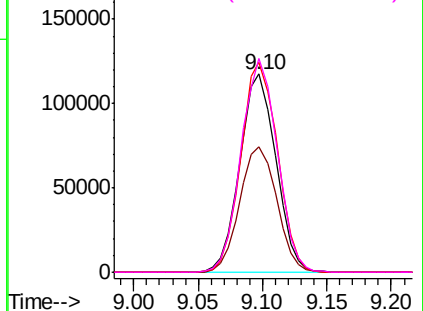
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

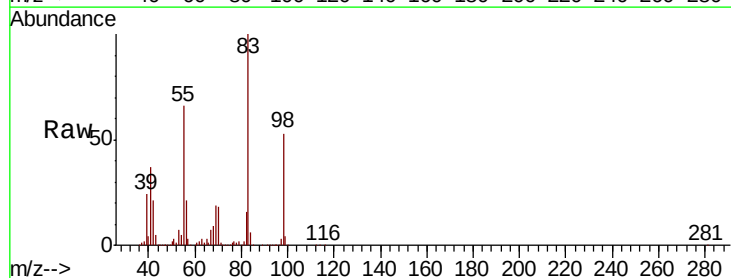
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.722 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion	83	Resp	380554
Ion Ratio	Lower	Upper	
83	100		
55	68.3	55.9	83.9
98	51.1	42.1	63.1

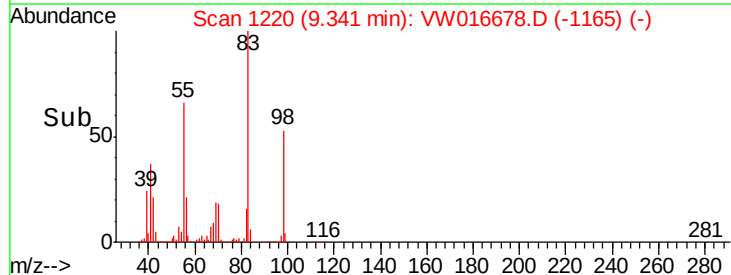
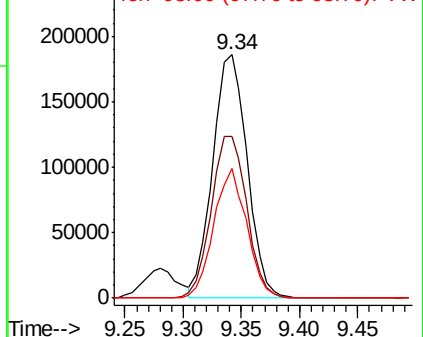


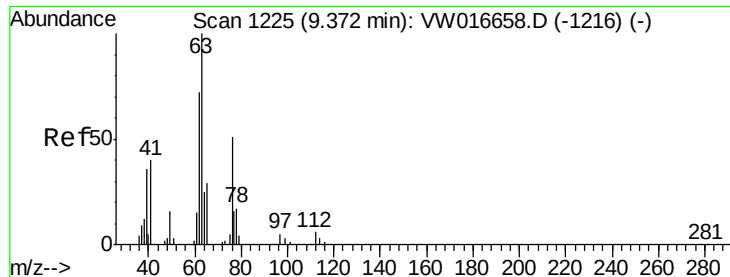
Abundance

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

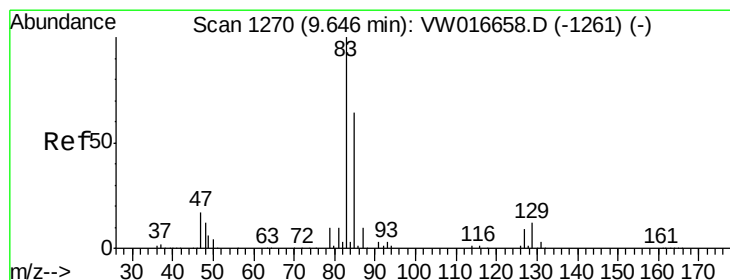
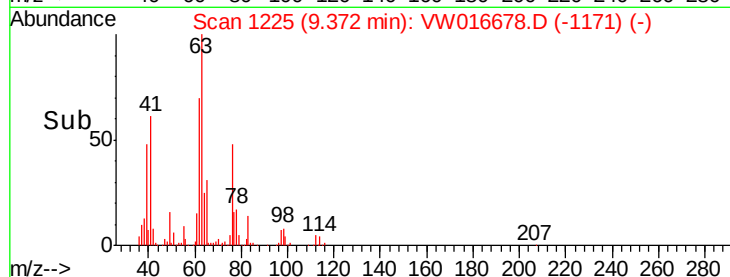
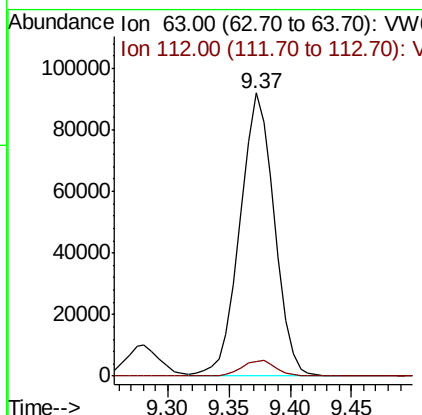
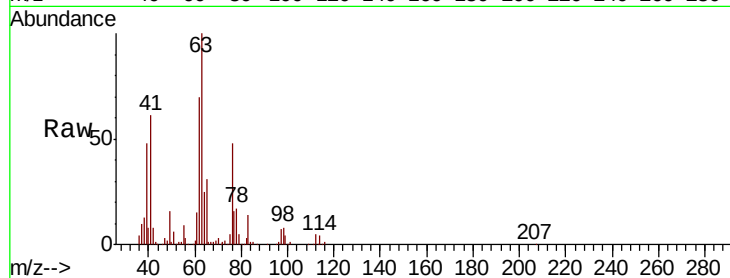




#40
 1,2-Dichloropropane
 Concen: 25.660 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

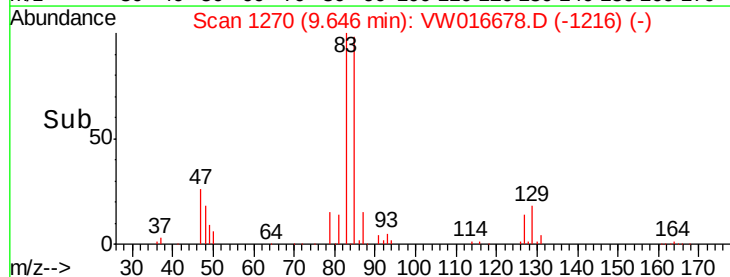
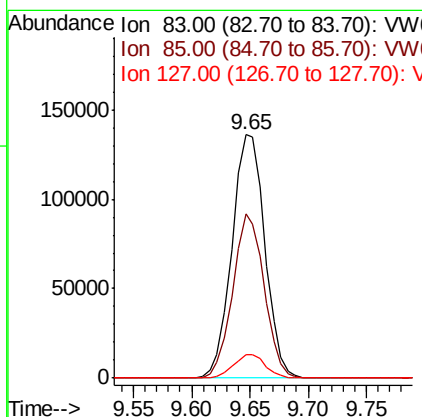
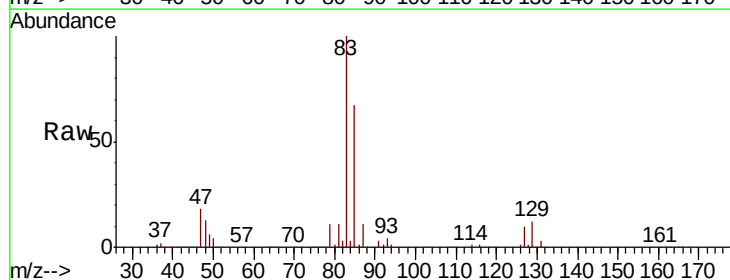
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

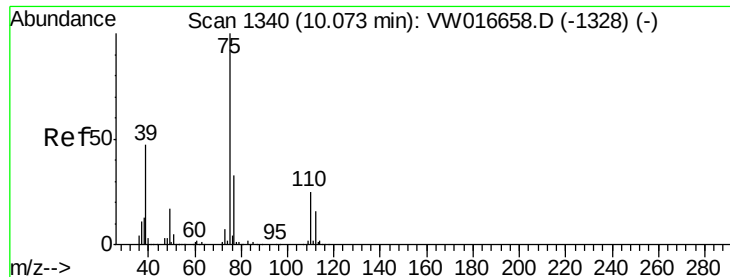
Tot Ion: 63 Resp: 179925
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 25.752 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion: 83 Resp: 267586
 Ion Ratio Lower Upper
 83 100
 85 67.4 46.8 86.8
 127 9.6 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.055 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

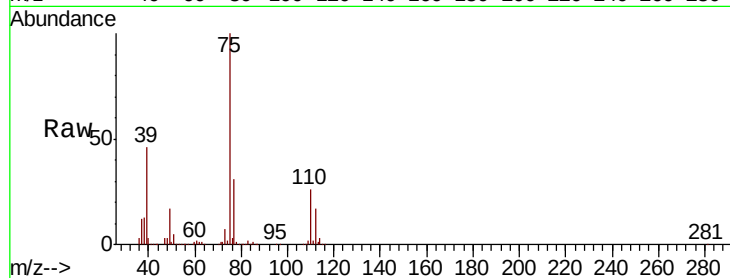
VSTD02510

Tot Ion: 75 Resp: 300073

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

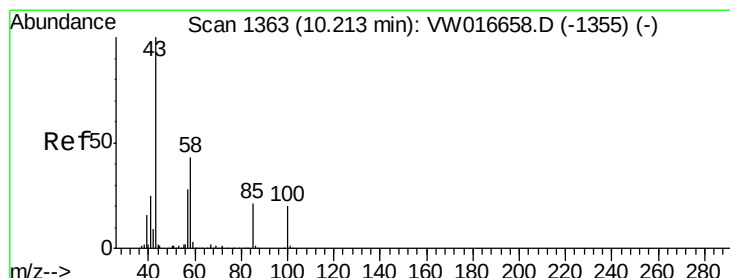
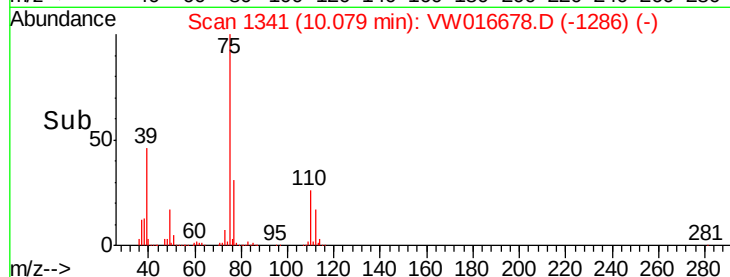
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 45.305 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

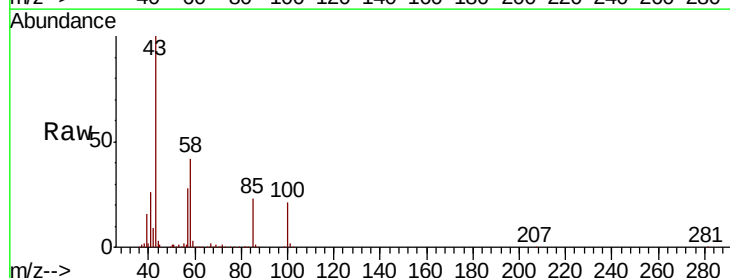
Tgt Ion: 43 Resp: 201826

Ion Ratio Lower Upper

43 100

58 41.6 32.2 48.4

100 20.7 15.8 23.6



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

250000

200000

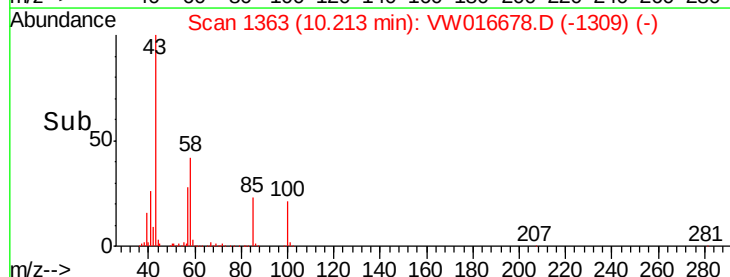
150000

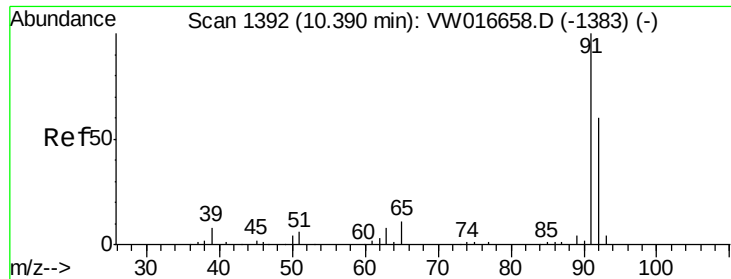
100000

50000

0

Time-->





#44

Toluene

Concen: 26.483 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

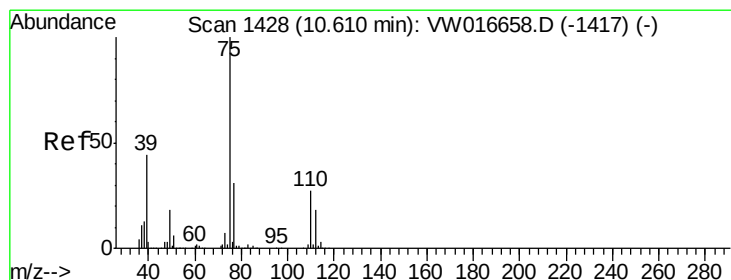
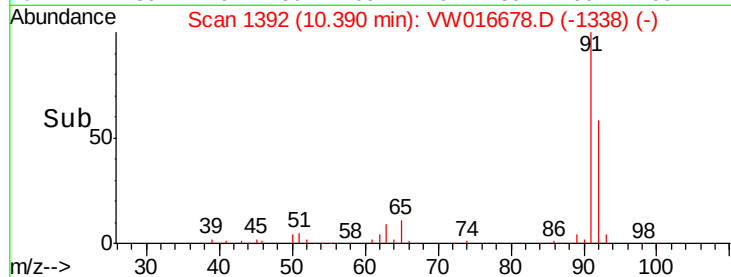
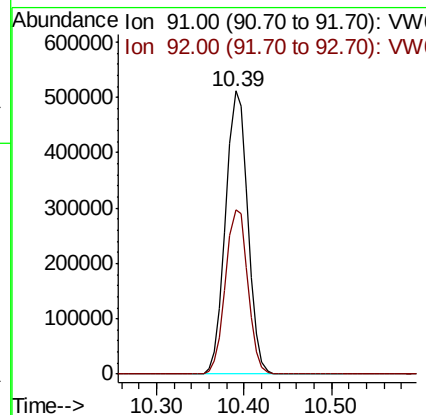
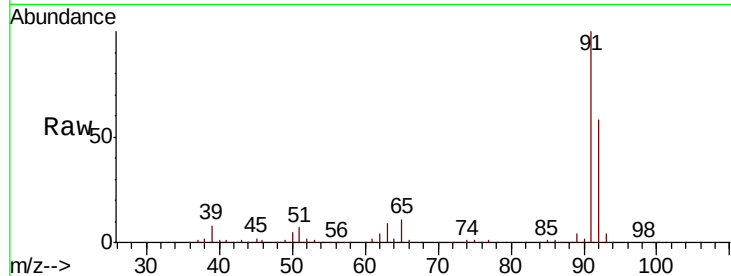
VSTD02510

Tot Ion: 91 Resp: 897758

Ion Ratio Lower Upper

91 100

92 58.1 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.703 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016678.D

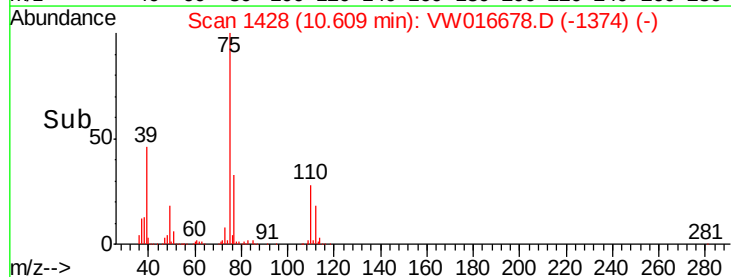
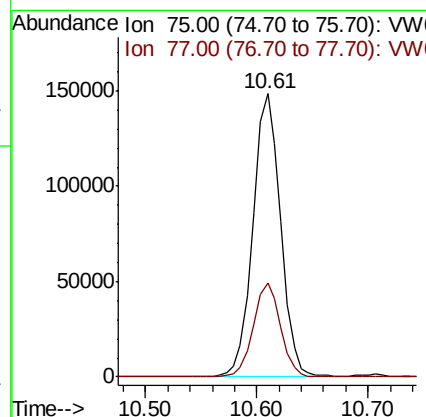
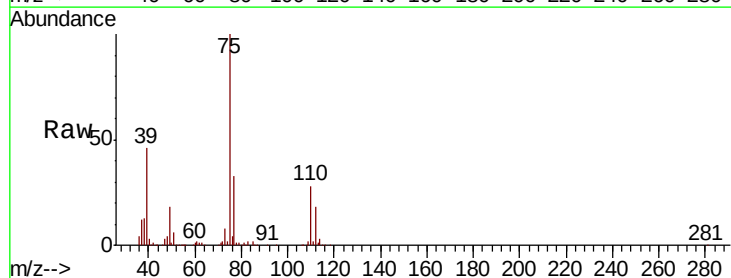
Acq: 28 Sep 2020 19:40

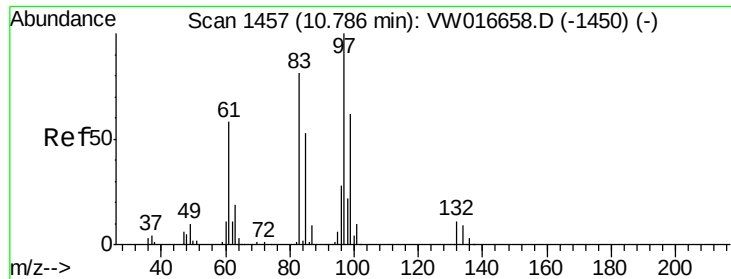
Tgt Ion: 75 Resp: 257421

Ion Ratio Lower Upper

75 100

77 33.1 22.5 41.9



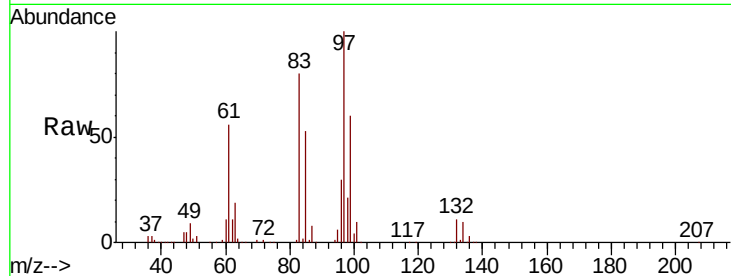


#46
 1,1,2-Trichloroethane
 Concen: 25.558 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion: 97 Resp: 150970

Ion	Ratio	Lower	Upper
97	100		
83	80.2	55.7	103.5
85	53.4	36.8	68.4
99	60.3	43.7	81.1



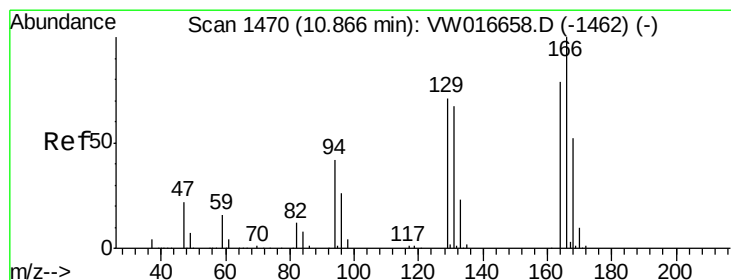
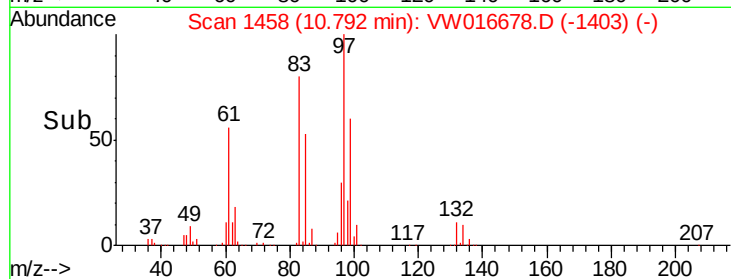
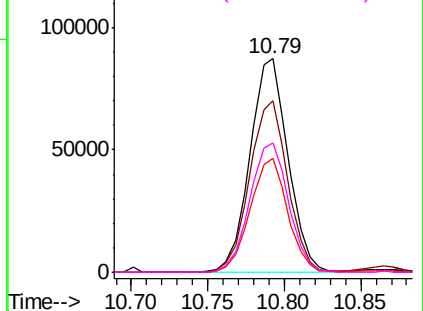
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 27.129 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion: 164 Resp: 213671

Ion	Ratio	Lower	Upper
164	100		
129	92.2	55.6	103.2
131	89.6	57.2	106.2
166	120.1	86.5	160.6

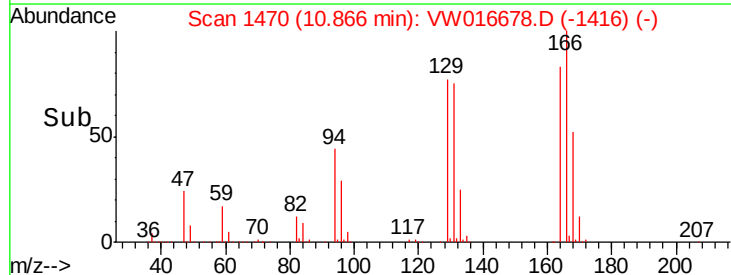
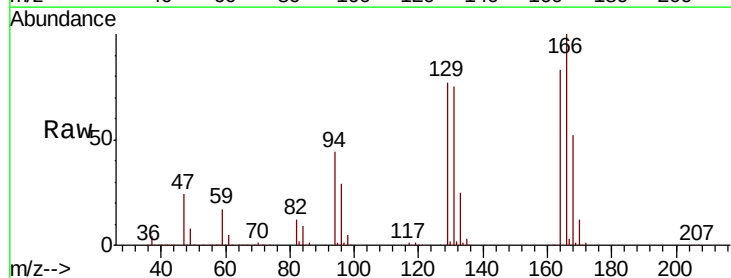
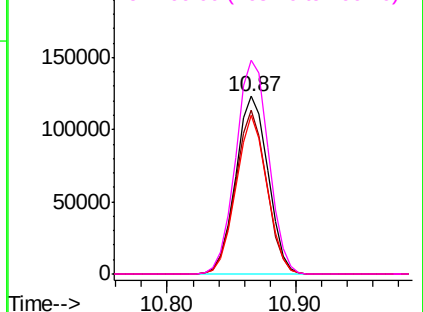
Abundance

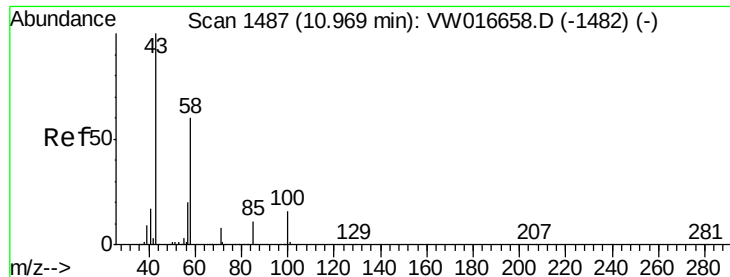
Ion 164.00 (163.70 to 164.70): V

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: 48.020 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion: 43 Resp: 135767

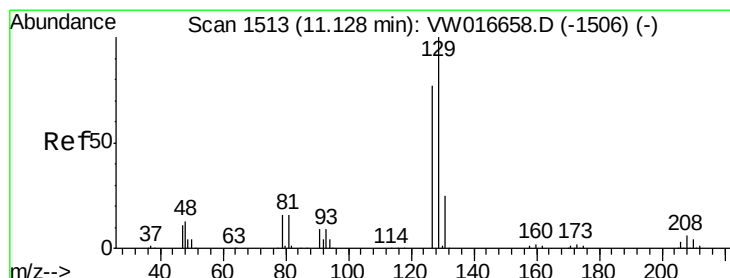
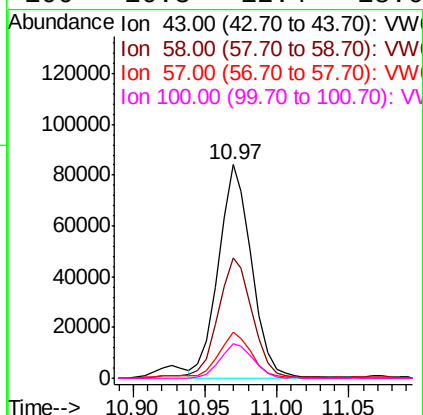
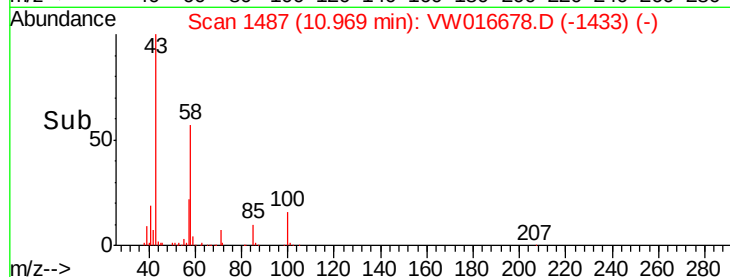
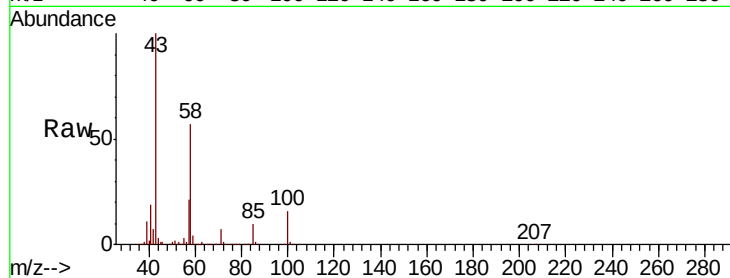
Ion Ratio Lower Upper

43 100

58 59.1 44.2 66.2

57 21.3 16.3 24.5

100 16.3 12.4 18.6



#50

Dibromochloromethane

Concen: 25.879 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016678.D

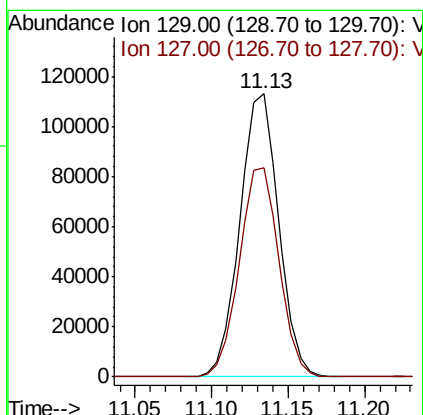
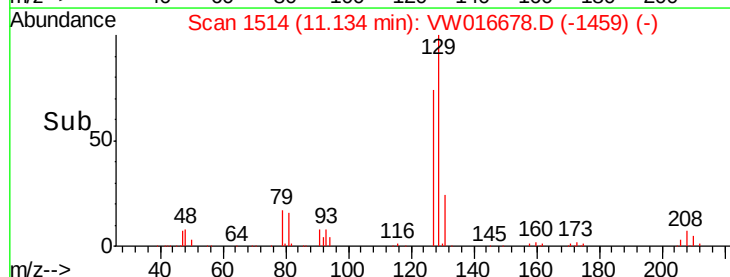
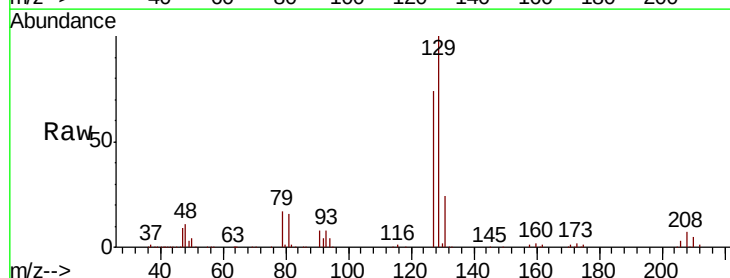
Acq: 28 Sep 2020 19:40

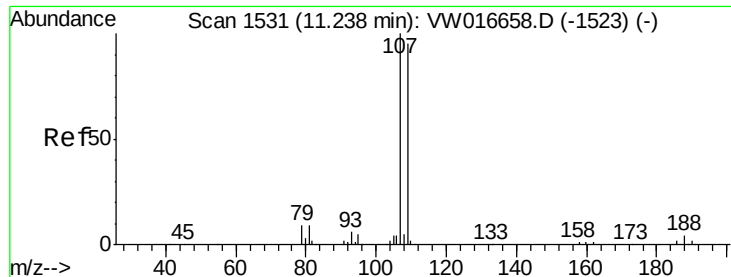
Tgt Ion: 129 Resp: 199583

Ion Ratio Lower Upper

129 100

127 74.1 52.4 97.4

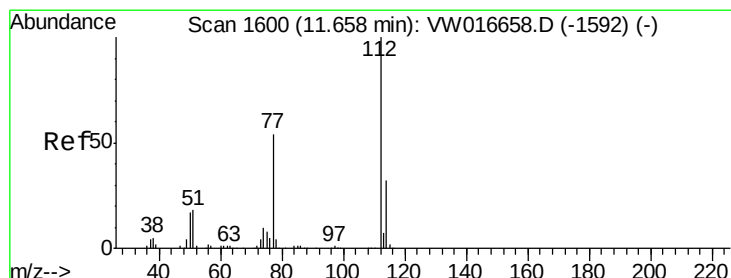
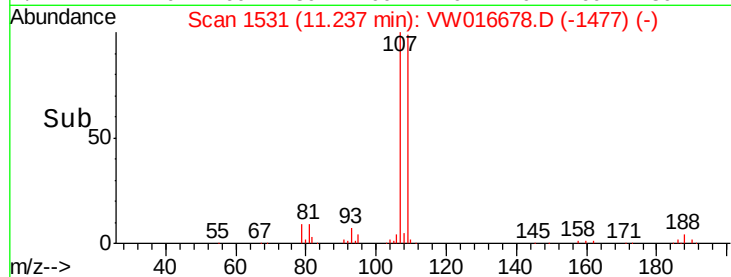
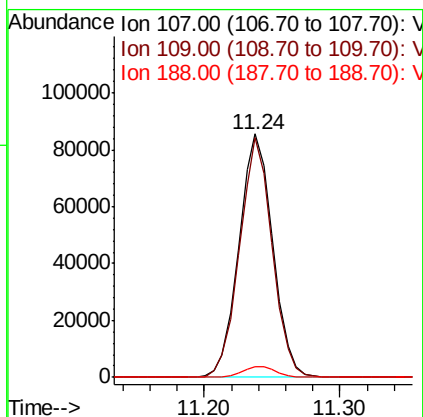
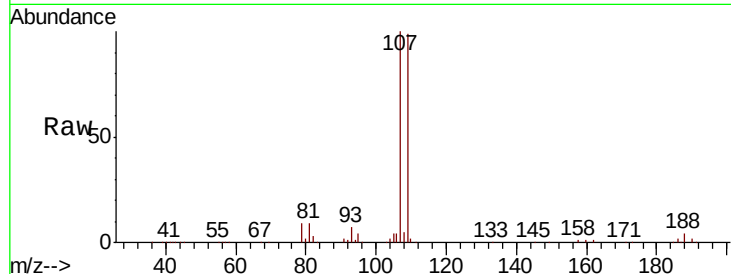




#51
1,2-Dibromoethane
Concen: 25.044 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

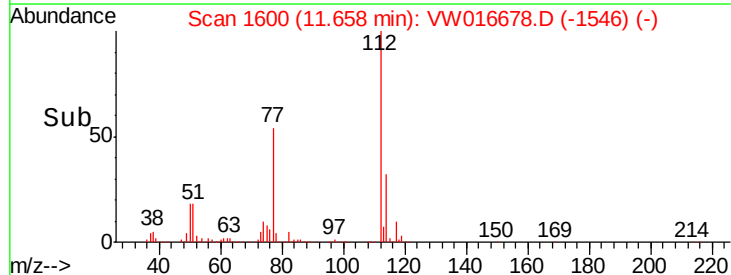
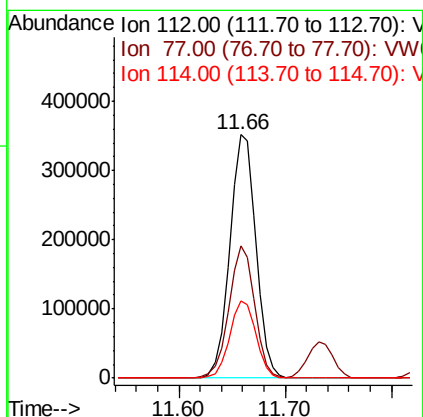
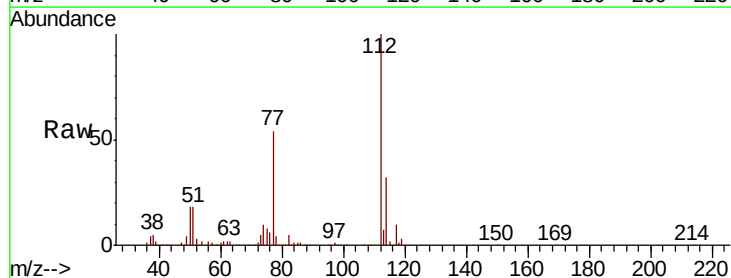
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

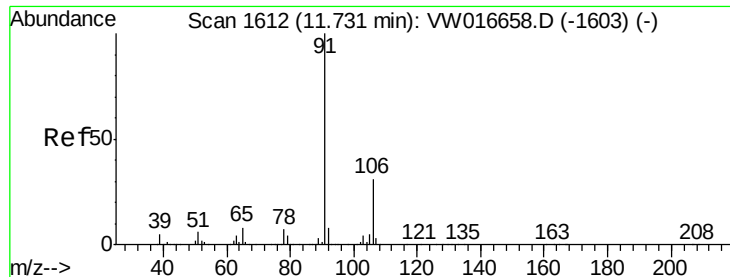
Tot Ion:107 Resp: 148119
Ion Ratio Lower Upper
107 100
109 98.7 63.0 117.0
188 4.1 3.1 4.7



#52
Chlorobenzene
Concen: 26.531 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion:112 Resp: 604146
Ion Ratio Lower Upper
112 100
77 54.2 43.1 64.7
114 32.0 22.3 41.3

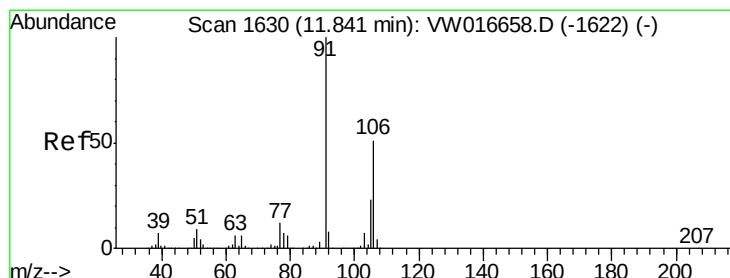
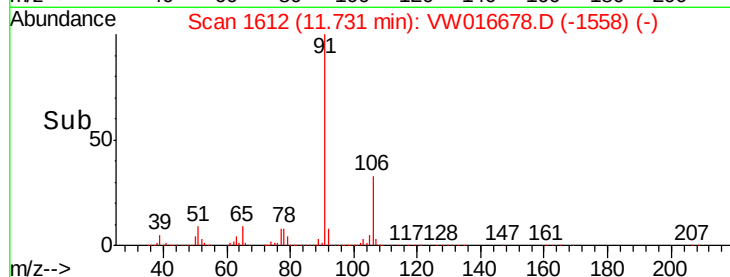
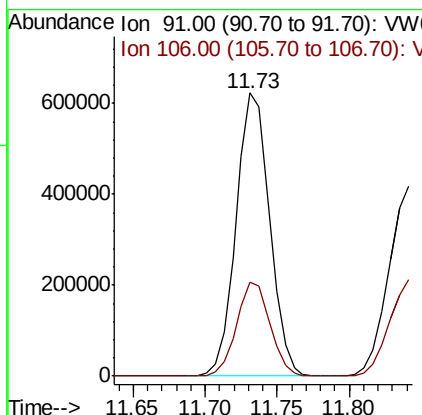
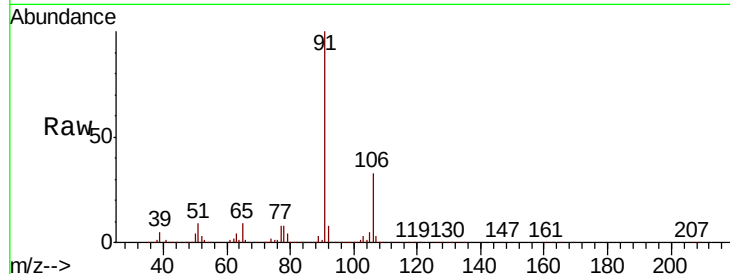




#53
Ethylbenzene
Concen: 26.252 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

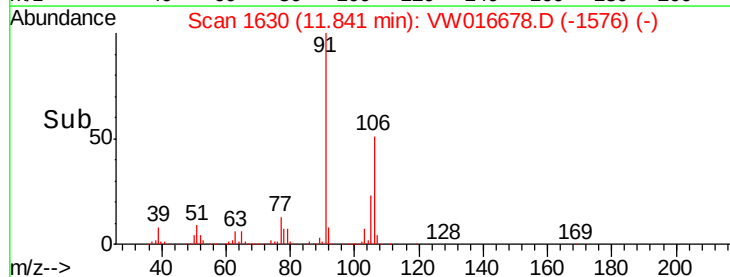
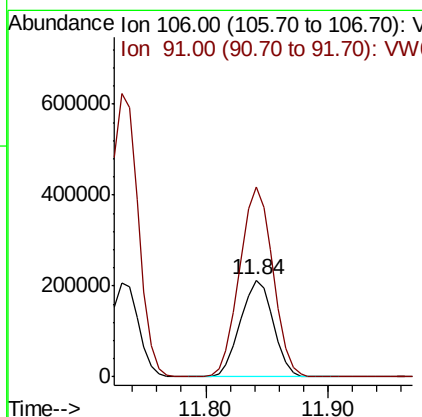
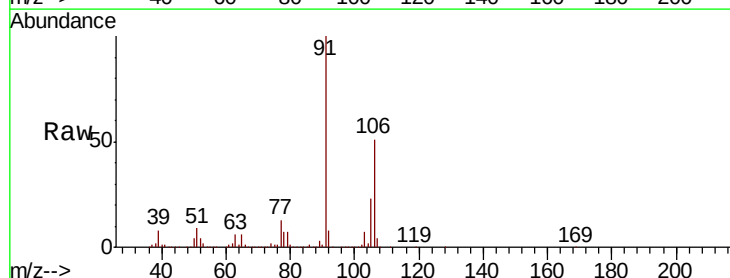
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

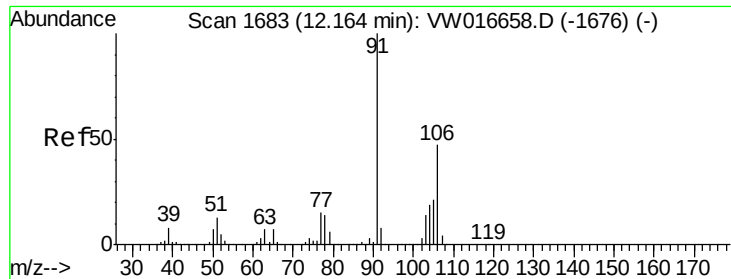
Tot Ion: 91 Resp: 1010384
Ion Ratio Lower Upper
91 100
106 33.1 20.7 38.5



#54
m,p-Xylene
Concen: 26.457 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion:106 Resp: 398729
Ion Ratio Lower Upper
106 100
91 196.3 139.7 259.5

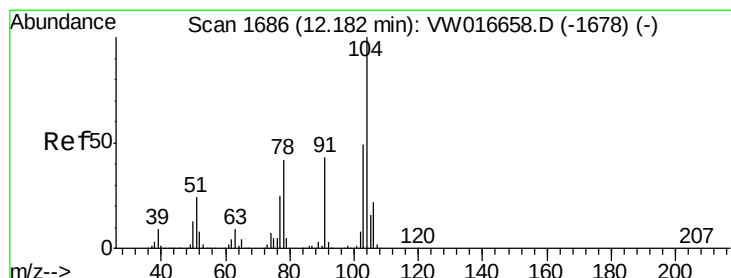
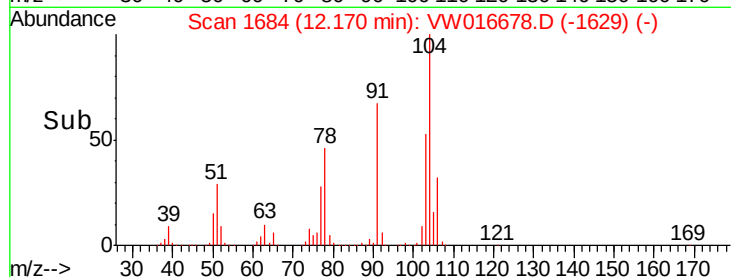
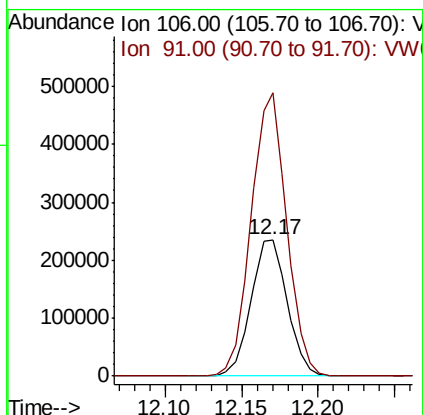
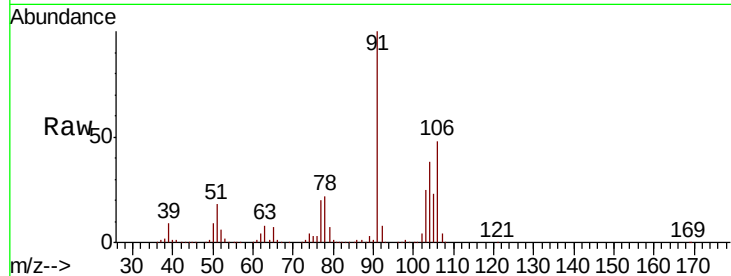




#55
o-xylene
Concen: 26.723 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

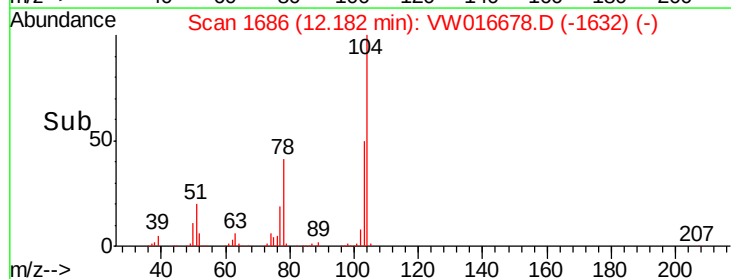
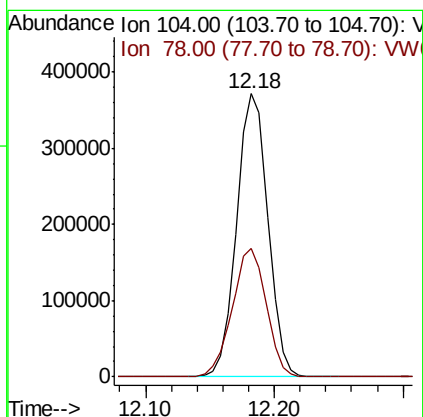
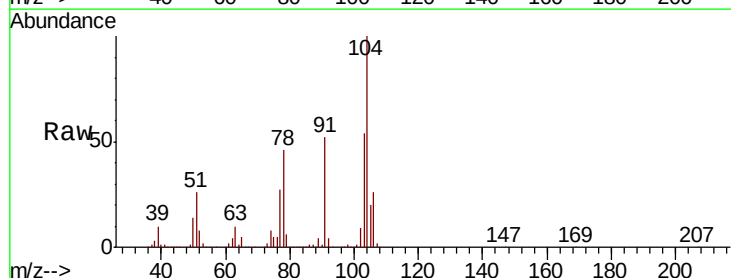
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

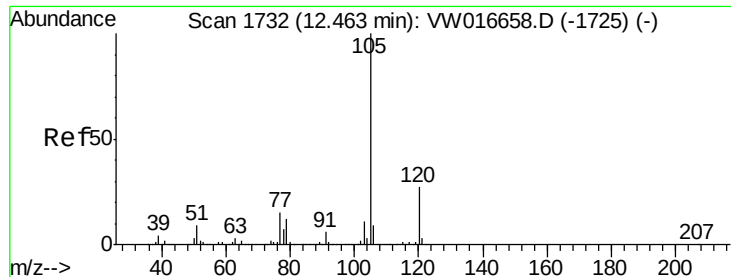
Tot Ion:106 Resp: 385826
Ion Ratio Lower Upper
106 100
91 207.7 144.8 268.8



#56
Styrene
Concen: 26.031 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016678.D
Acq: 28 Sep 2020 19:40

Tgt Ion:104 Resp: 624104
Ion Ratio Lower Upper
104 100
78 45.6 31.4 58.2





#57

Isopropylbenzene

Concen: 26.743 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

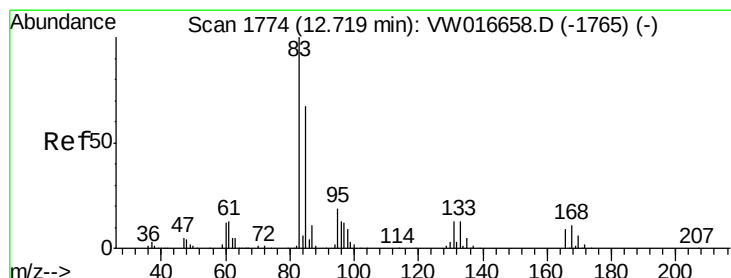
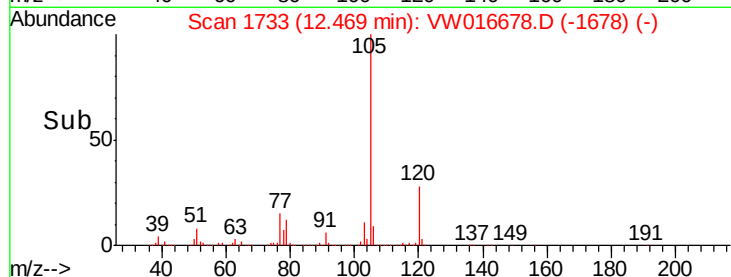
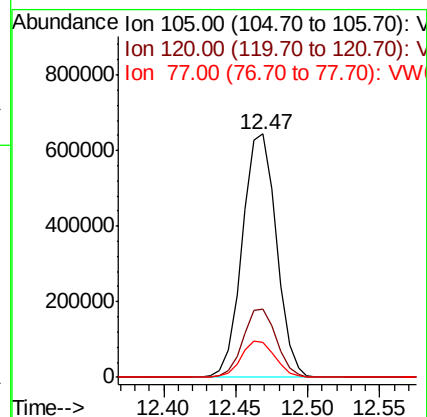
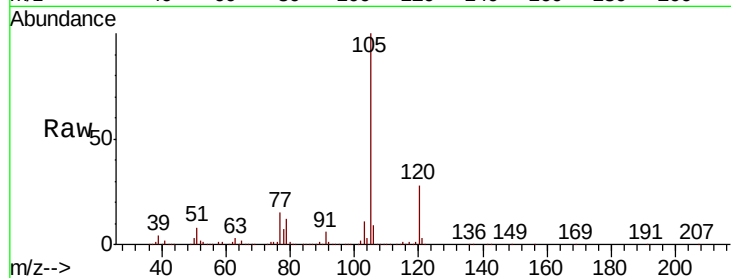
Tot Ion:105 Resp: 1055083

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

77 14.9 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 24.669 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

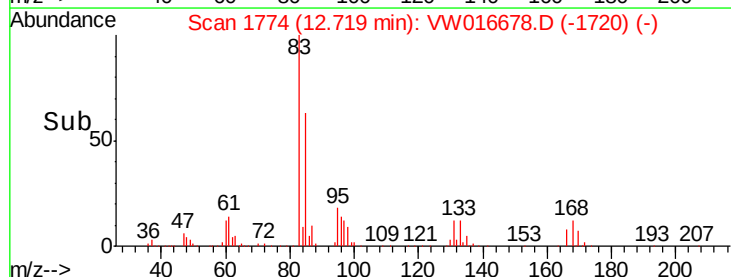
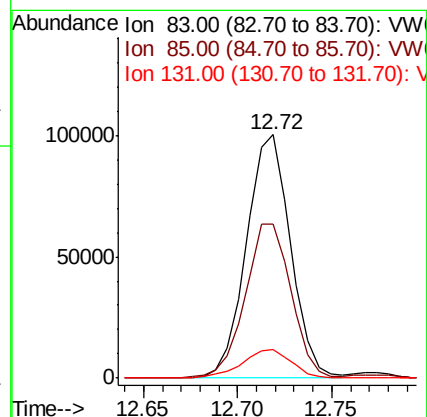
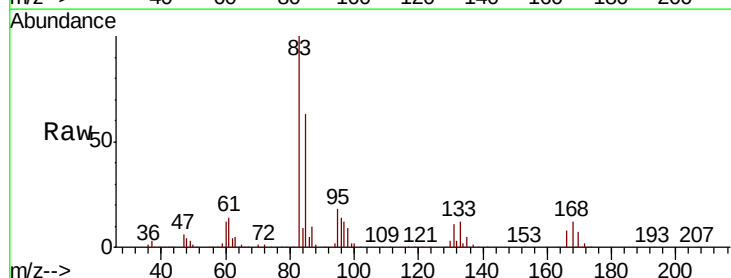
Tgt Ion: 83 Resp: 162957

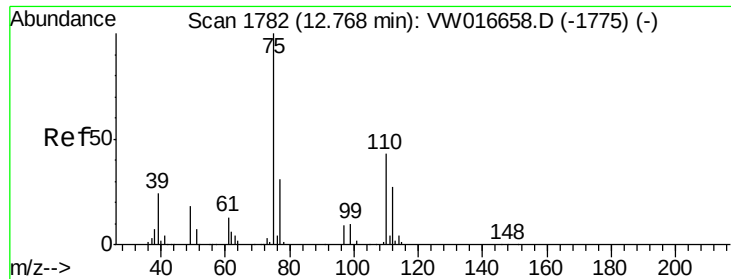
Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4

131 11.5 9.0 13.6





#59

1,2,3-Trichloropropane

Concen: 24.518 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

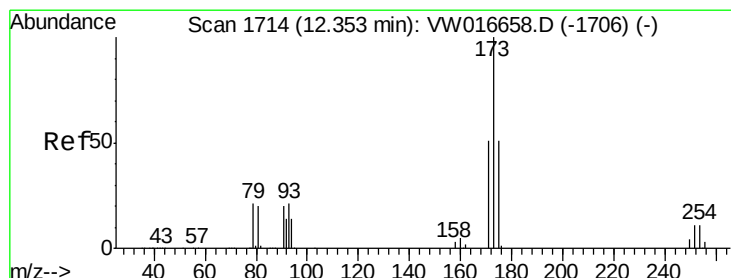
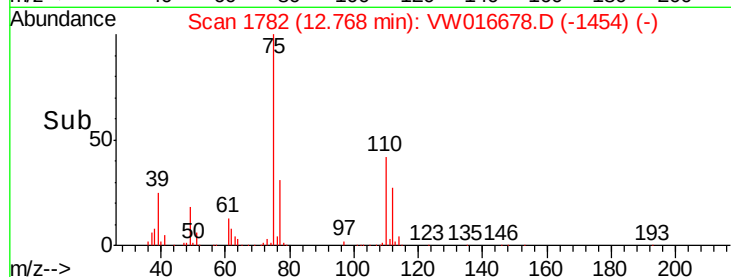
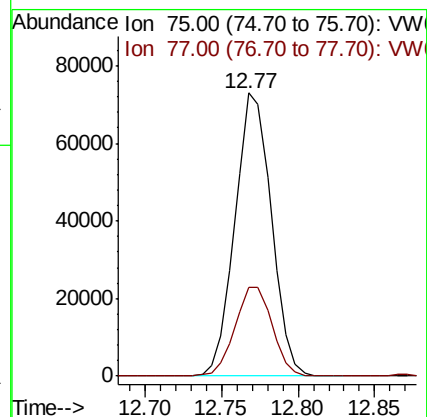
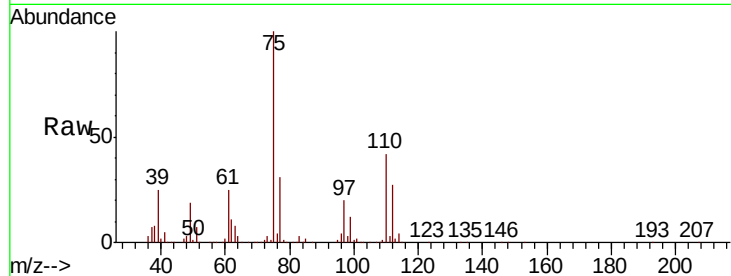
VSTD02510

Tot Ion: 75 Resp: 120629

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4



#62

Bromoform

Concen: 24.701 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

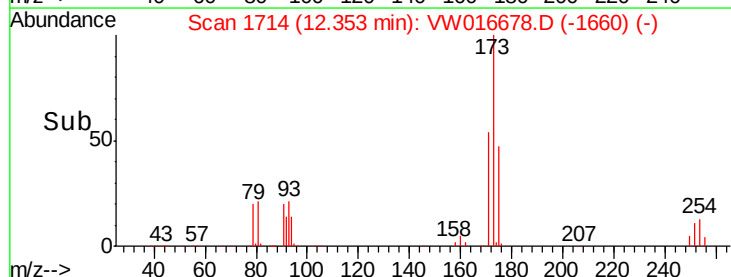
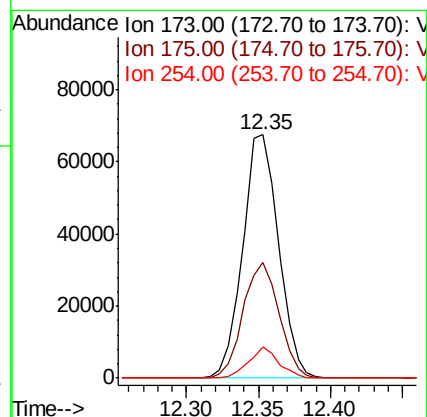
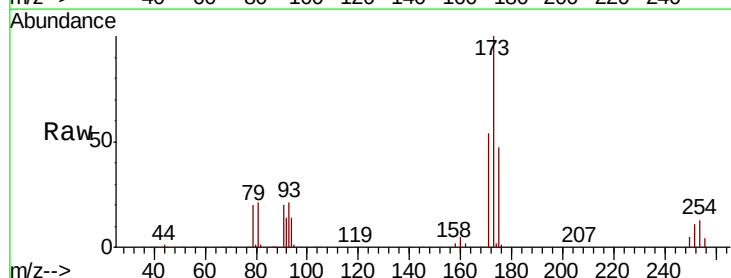
Tgt Ion: 173 Resp: 116591

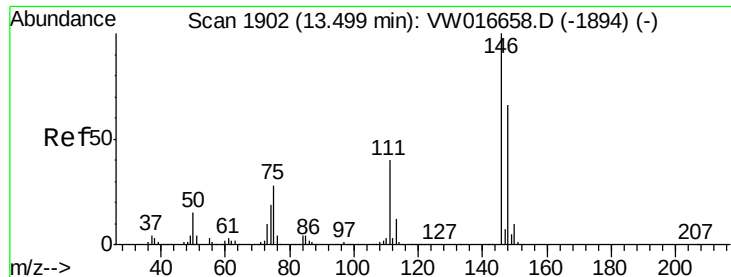
Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

254 10.6 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 26.202 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

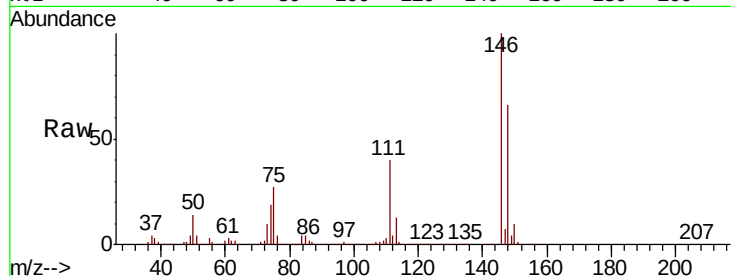
Tot Ion:146 Resp: 476916

Ion Ratio Lower Upper

146 100

111 39.5 25.0 46.4

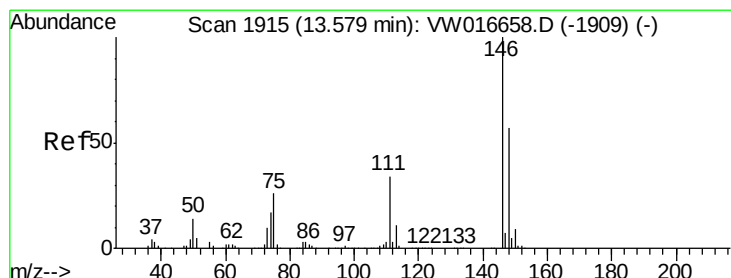
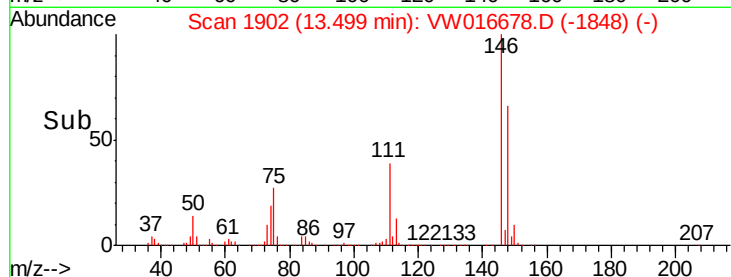
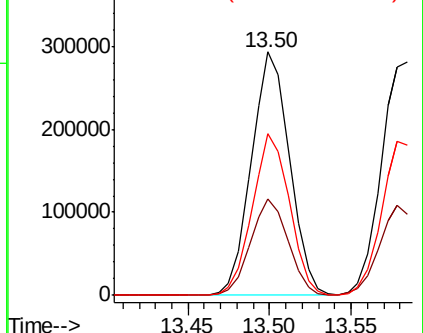
148 66.4 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 26.294 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

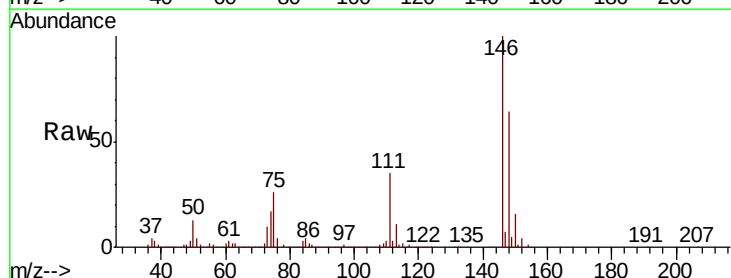
Tgt Ion:146 Resp: 468708

Ion Ratio Lower Upper

146 100

111 35.0 25.1 46.5

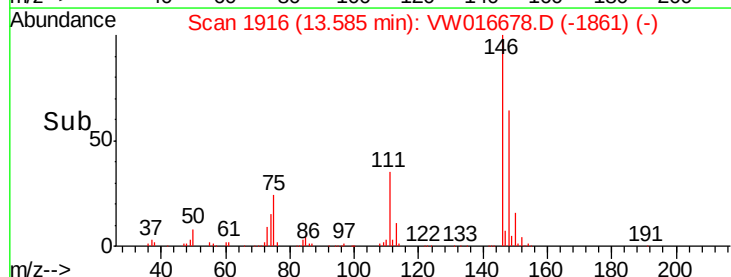
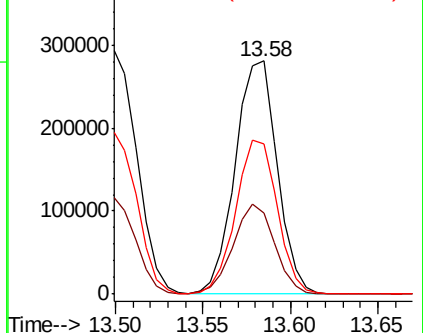
148 64.2 42.3 78.5

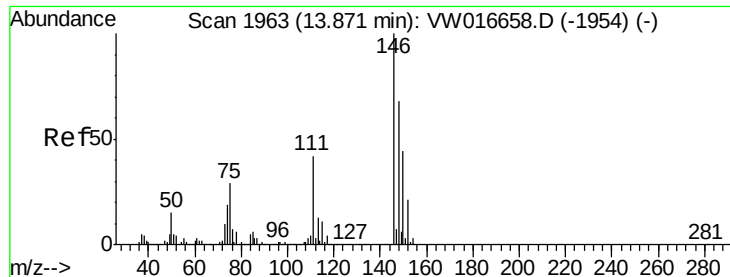


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

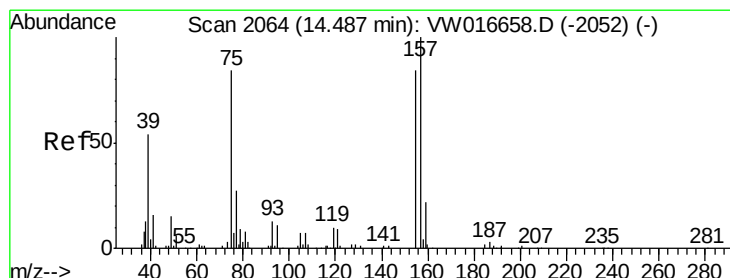
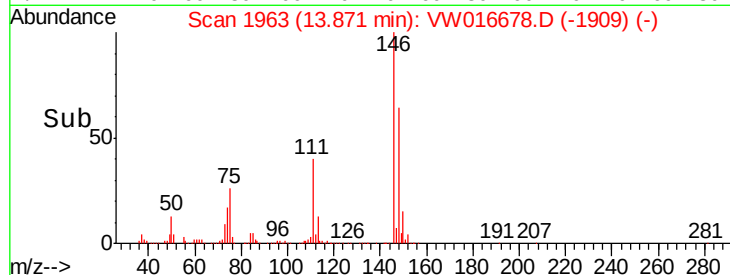
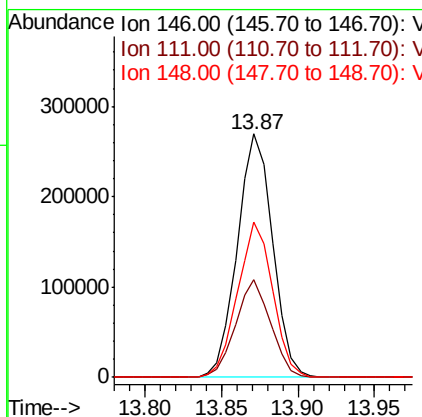
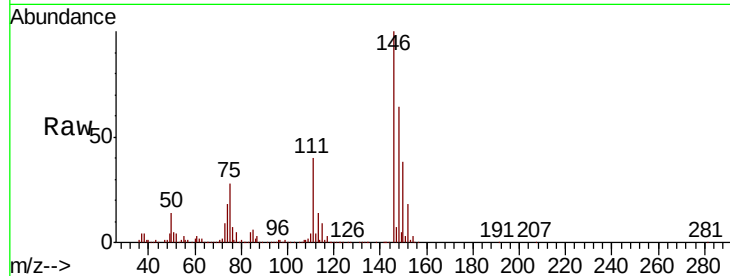




#65
 1,2-Dichlorobenzene
 Concen: 26.504 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

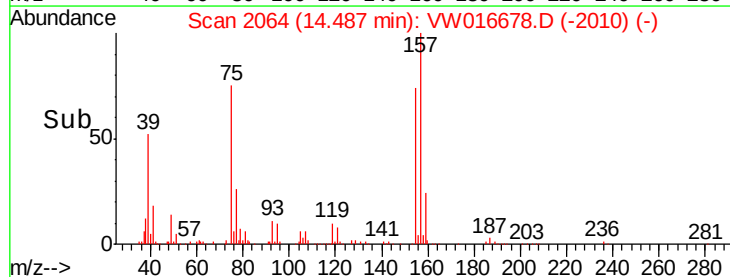
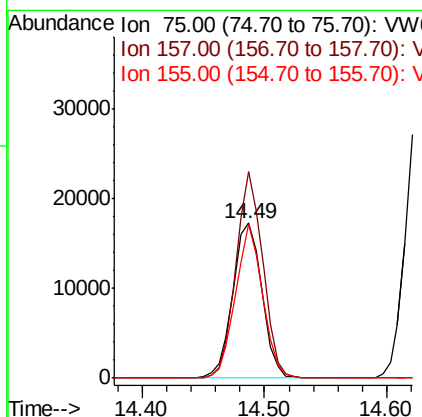
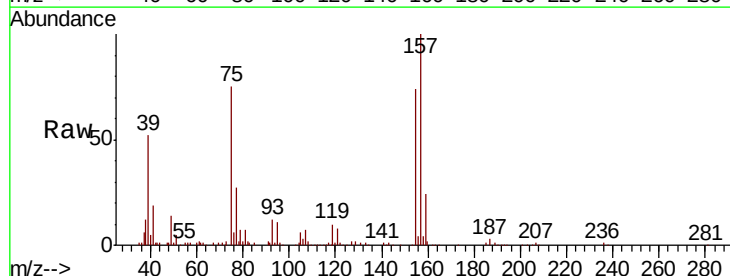
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

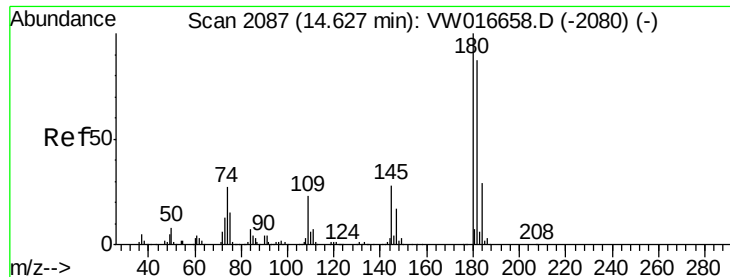
Tot Ion:146 Resp: 431065
 Ion Ratio Lower Upper
 146 100
 111 40.2 31.4 47.0
 148 63.7 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.411 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion: 75 Resp: 28458
 Ion Ratio Lower Upper
 75 100
 157 133.4 92.2 138.4
 155 99.1 73.5 110.3

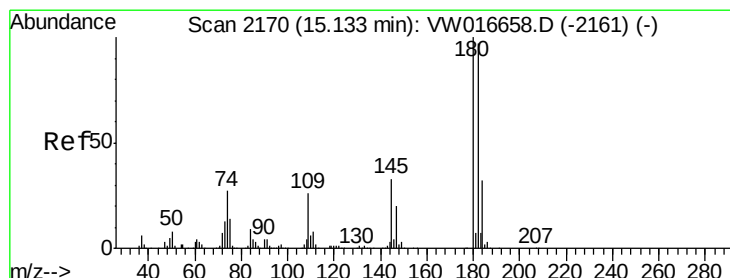
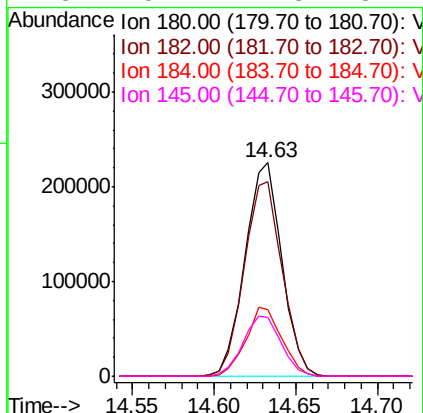
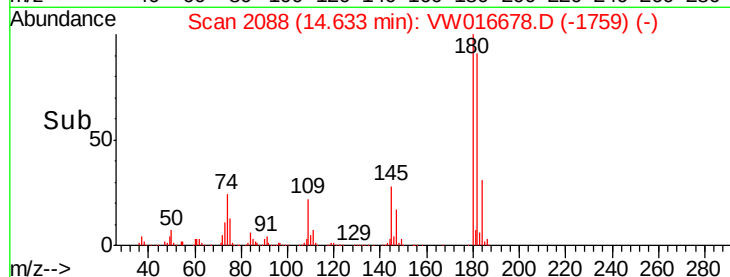
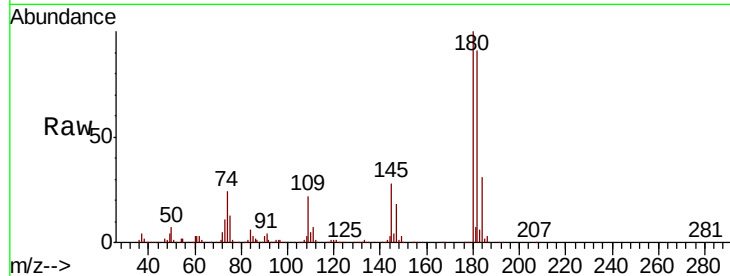




#67
 1,3,5-Trichlorobenzene
 Concen: 26.622 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

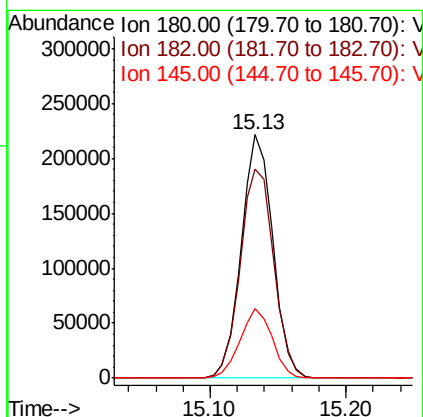
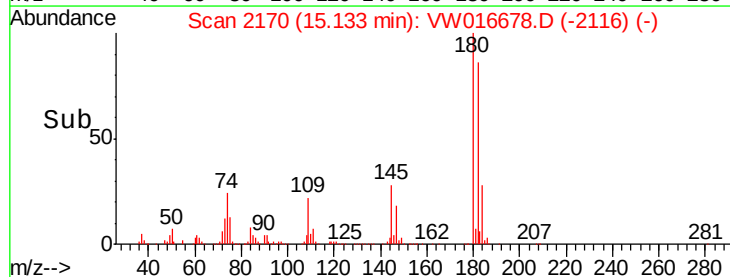
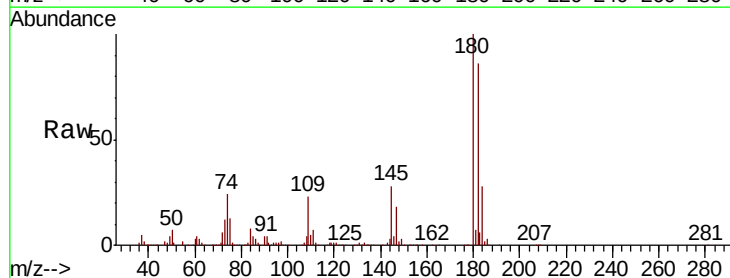
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

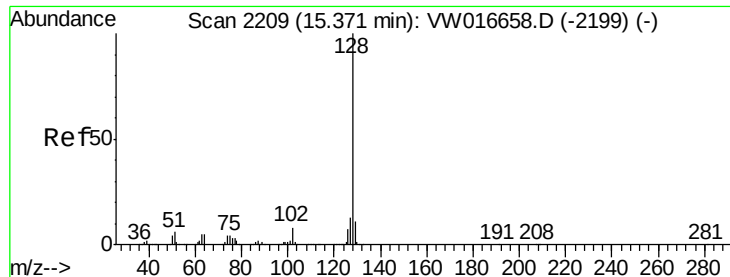
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	73.8	110.8
184	31.7	23.7	35.5
145	29.1	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 33.451 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016678.D
 Acq: 28 Sep 2020 19:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	74.5	111.7
145	29.1	23.1	34.7





#69

Naphthalene

Concen: 27.496 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

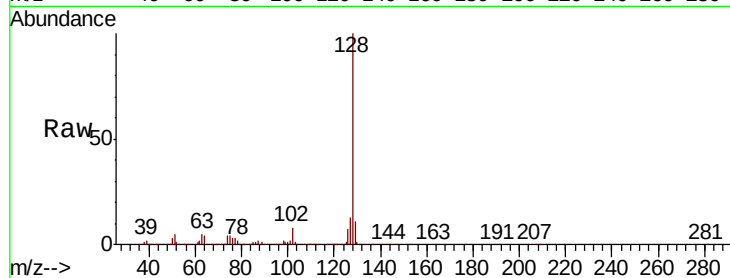
Tot Ion:128 Resp: 524888

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

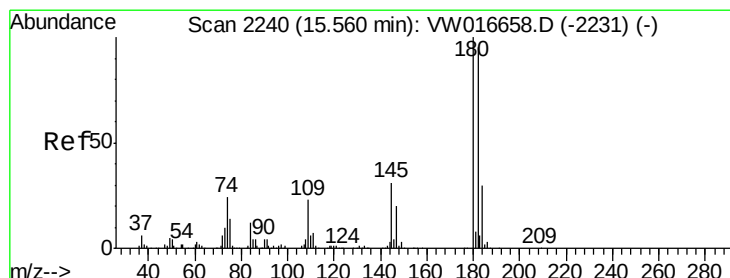
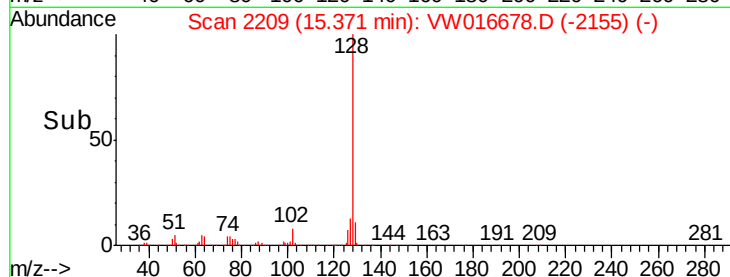
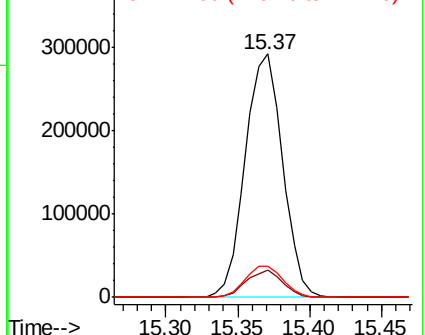
127 13.2 10.8 16.2



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: 28.555 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW016678.D

Acq: 28 Sep 2020 19:40

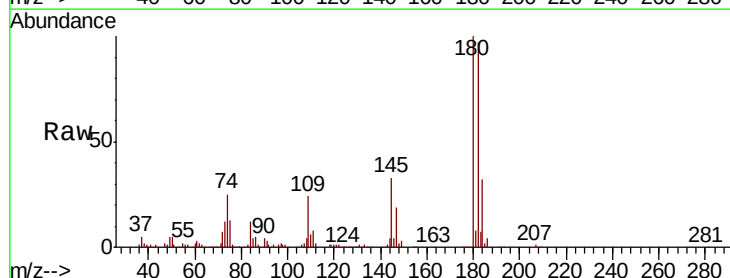
Tgt Ion:180 Resp: 264469

Ion Ratio Lower Upper

180 100

182 95.6 76.3 114.5

145 31.6 24.1 36.1



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

