

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092620\
 Data File : VW016651.D
 Acq On : 25 Sep 2020 12:40
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

Quant Time: Sep 26 00:08:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 22 16:17:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	610923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	545904	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	275666	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	173253	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.56%
7) Chloroethane-d5	2.90	69	147008	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
11) 1,1-Dichloroethene-d2	4.03	63	380057	26.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.56%
21) 2-Butanone-d5	7.09	46	92987	60.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.52%
24) Chloroform-d	7.65	84	419826	29.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.68%
26) 1,2-Dichloroethane-d4	8.31	65	218538	29.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.92%
32) Benzene-d6	8.28	84	782737	28.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.28%
36) 1,2-Dichloropropane-d6	9.27	67	218491	28.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.96%
41) Toluene-d8	10.32	98	758197	27.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.52%
43) trans-1,3-Dichloropropene-	10.58	79	108339	29.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.52%
47) 2-Hexanone-d5	10.93	63	76303	63.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.46%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	186319	31.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.84%#
66) 1,2-Dichlorobenzene-d4	13.86	152	288886	28.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	169755	23.045	ug/L 96
3) Chloromethane	2.23	50	131489	22.524	ug/L 100
5) Vinyl chloride	2.37	62	191135	22.840	ug/L 99
6) Bromomethane	2.79	94	141571	22.022	ug/L 97
8) Chloroethane	2.94	64	113167	22.750	ug/L 98
9) Trichlorofluoromethane	3.27	101	183607	23.133	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	198109	25.145	ug/L 98
12) 1,1-Dichloroethene	4.05	96	192500	24.428	ug/L 96
13) Acetone	4.15	43	52355	50.287	ug/L 74
14) Carbon disulfide	4.39	76	527910	22.560	ug/L 99
15) Methyl Acetate	4.68	43	64346	25.180	ug/L 100
16) Methylene chloride	4.92	84	187914	20.988	ug/L 94
17) trans-1,2-Dichloroethene	5.43	96	197633	24.174	ug/L 98
18) Methyl tert-butyl Ether	5.43	73	251656	25.060	ug/L 99
19) 1,1-Dichloroethane	6.23	63	316295	24.424	ug/L 99
20) cis-1,2-Dichloroethene	7.17	96	210390	24.757	ug/L 98
22) 2-Butanone	7.18	43	80870	45.686	ug/L 99

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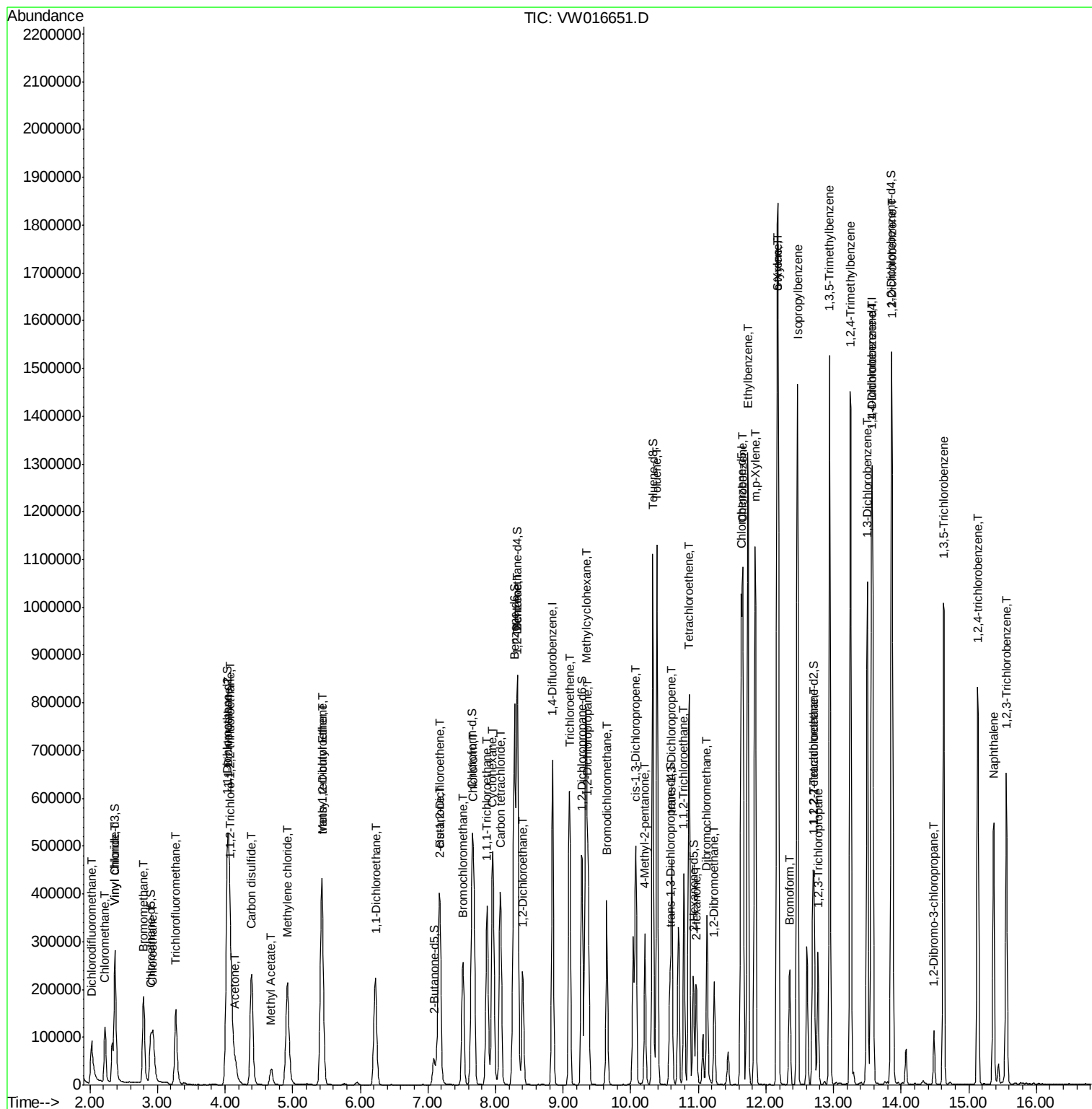
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	99642	24.939	ug/L	95
25) Chloroform	7.68	83	352589	24.887	ug/L	99
27) 1,2-Dichloroethane	8.40	62	221317	25.159	ug/L	97
29) Cyclohexane	7.96	56	278242	22.830	ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	315606	24.264	ug/L	99
31) Carbon tetrachloride	8.07	117	314360	24.817	ug/L	100
33) Benzene	8.33	78	728975	24.105	ug/L	100
34) Trichloroethene	9.09	95	212000	24.439	ug/L	97
35) Methylcyclohexane	9.34	83	343218	23.686	ug/L	99
37) 1,2-Dichloropropane	9.37	63	168413	24.423	ug/L	99
38) Bromodichloromethane	9.65	83	252256	24.668	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	290226	24.657	ug/L	98
40) 4-Methyl-2-pentanone	10.21	43	188451	48.776	ug/L	99
42) Toluene	10.39	91	832716	24.442	ug/L	98
44) trans-1,3-Dichloropropene	10.61	75	252844	25.045	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	140986	25.173	ug/L	95
46) Tetrachloroethene	10.86	164	189827	24.259	ug/L	97
48) 2-Hexanone	10.97	43	126453	52.636	ug/L	100
49) Dibromochloromethane	11.13	129	188142	25.592	ug/L	99
50) 1,2-Dibromoethane	11.24	107	138555	24.979	ug/L	94
51) Chlorobenzene	11.66	112	561760	24.865	ug/L	96
52) Ethylbenzene	11.73	91	939771	24.499	ug/L	100
53) m,p-Xylene	11.84	106	367333	24.581	ug/L	94
54) o-Xylene	12.17	106	349021	24.676	ug/L	100
55) Styrene	12.18	104	589843	25.045	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	153656	25.482	ug/L	99
59) Bromoform	12.35	173	111753	25.113	ug/L	100
60) Isopropylbenzene	12.47	105	980325	24.358	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	111783	24.607	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	823969	24.878	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	805543	24.471	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	445903	24.141	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	446969	24.673	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	409224	25.042	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.49	75	25843	24.202	ug/L	94
69) 1,3,5-Trichlorobenzene	14.63	180	328056	24.063	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	282044	25.616	ug/L	99
71) Naphthalene	15.37	128	490946	26.570	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	239337	25.889	ug/L	97

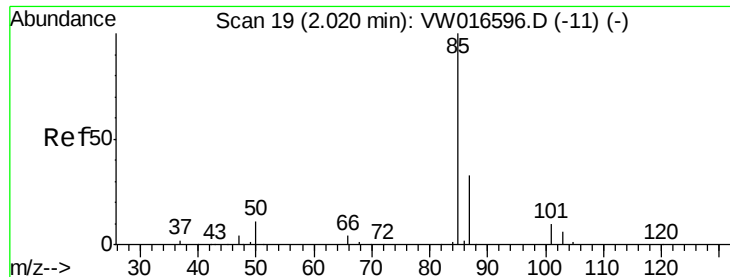
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#2

Dichlorodifluoromethane

Concen: 23.045 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

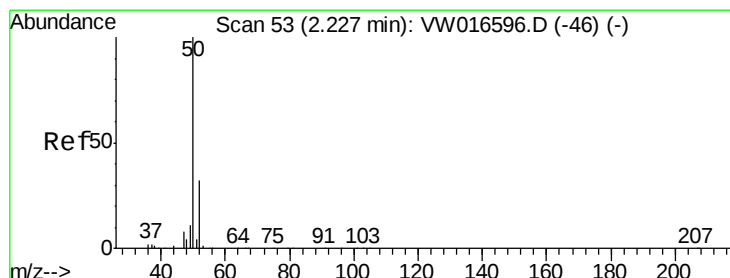
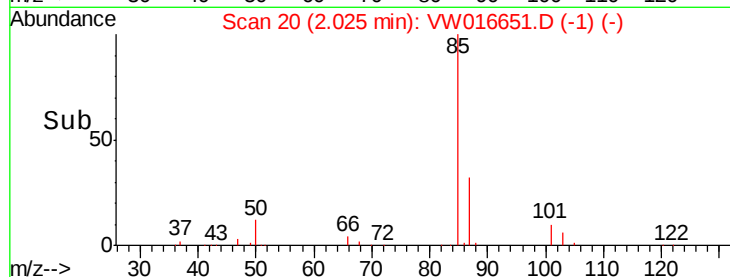
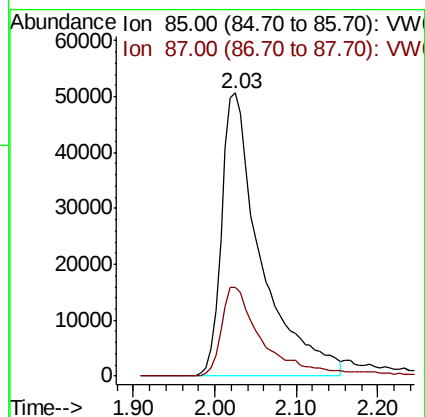
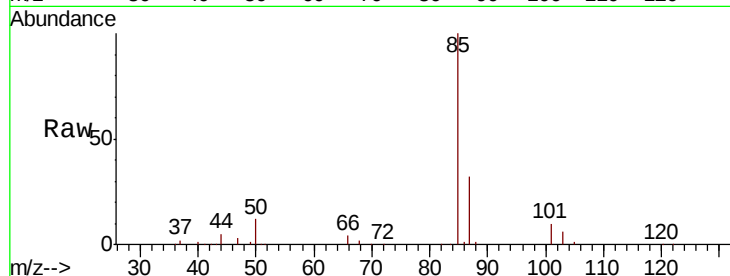
VSTD025111

Tot Ion: 85 Resp: 169755

Ion Ratio Lower Upper

85 100

87 28.7 21.4 32.0



#3

Chloromethane

Concen: 22.524 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016651.D

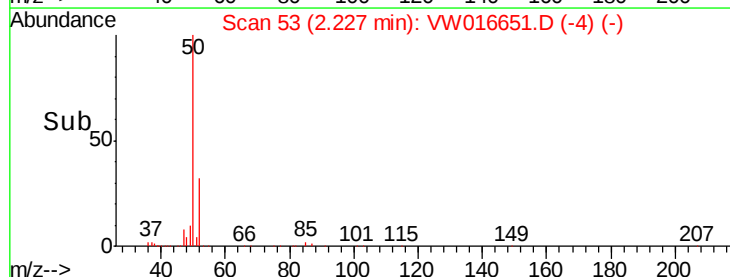
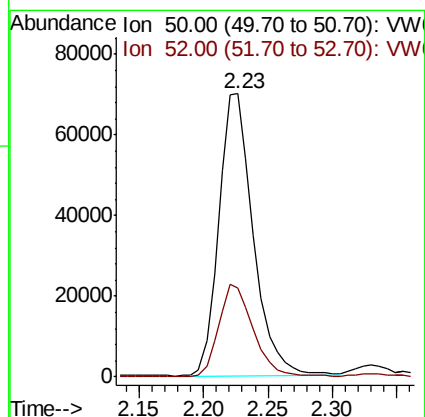
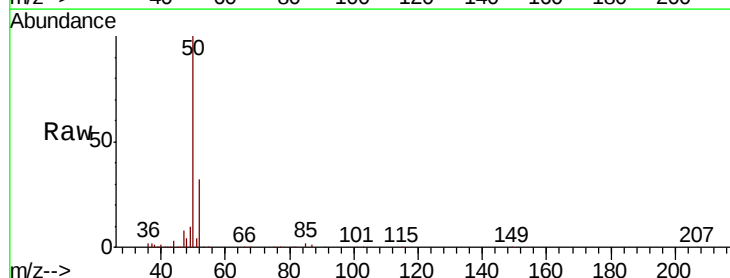
Acq: 25 Sep 2020 12:40

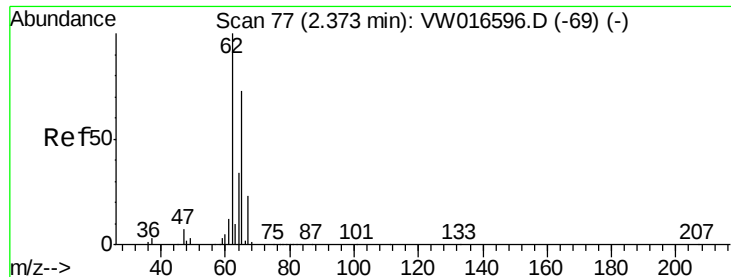
Tgt Ion: 50 Resp: 131489

Ion Ratio Lower Upper

50 100

52 31.5 22.1 41.1





#5

Vinyl chloride

Concen: 22.840 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampled :

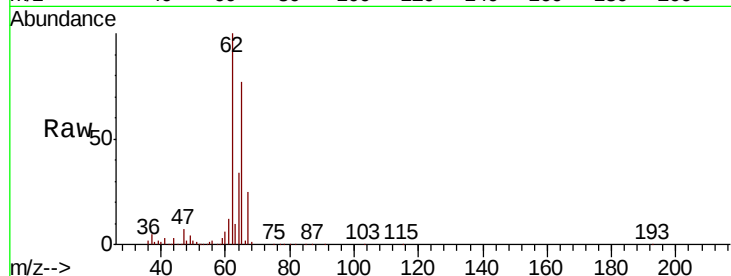
VSTD025111

Tot Ion: 62 Resp: 191135

Ion Ratio Lower Upper

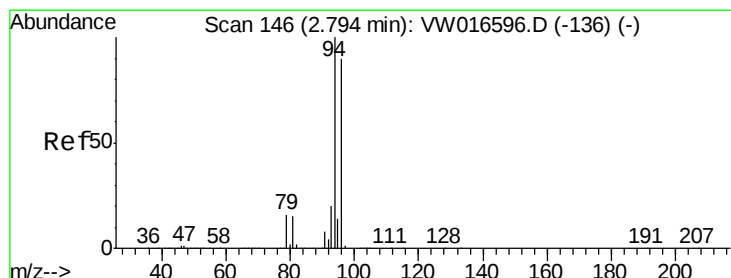
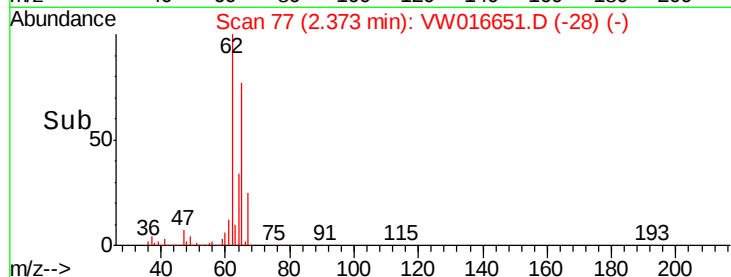
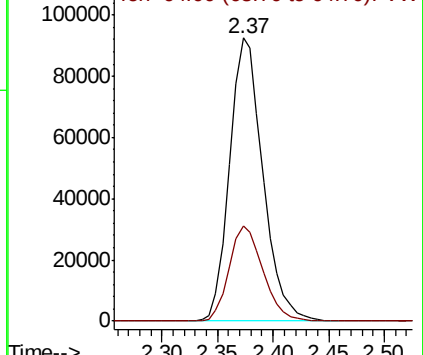
62 100

64 33.5 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.022 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016651.D

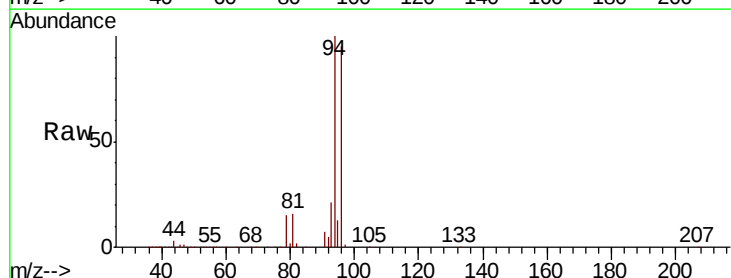
Acq: 25 Sep 2020 12:40

Tgt Ion: 94 Resp: 141571

Ion Ratio Lower Upper

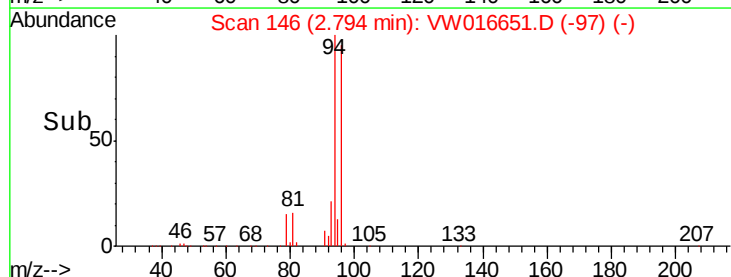
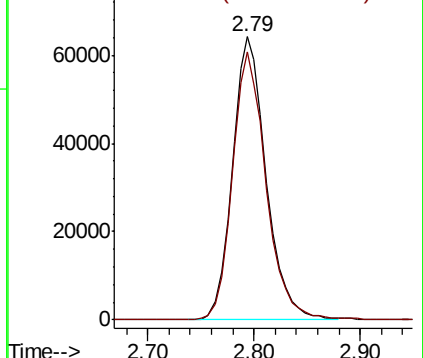
94 100

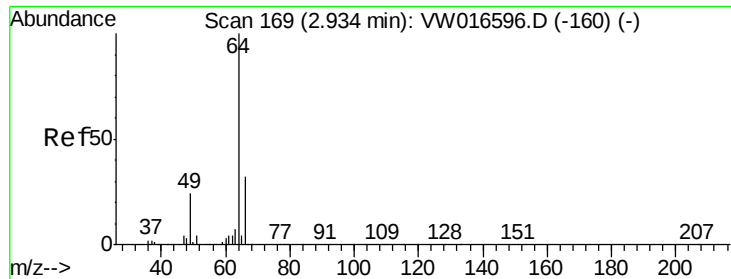
96 94.7 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

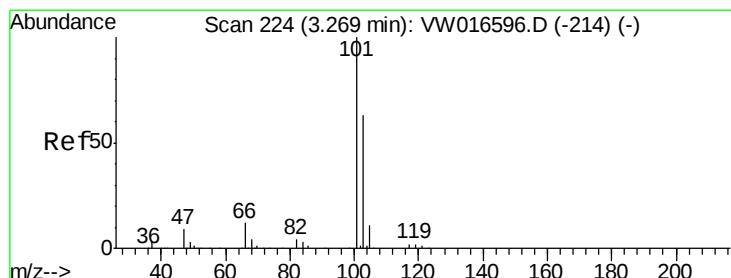
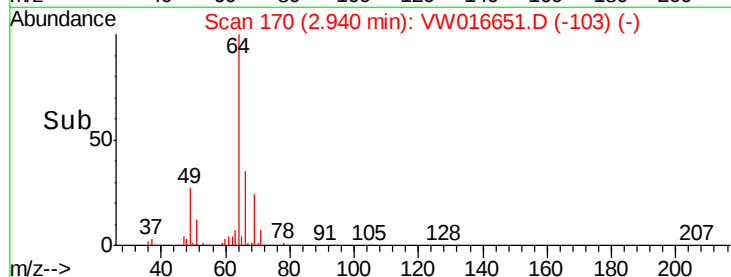
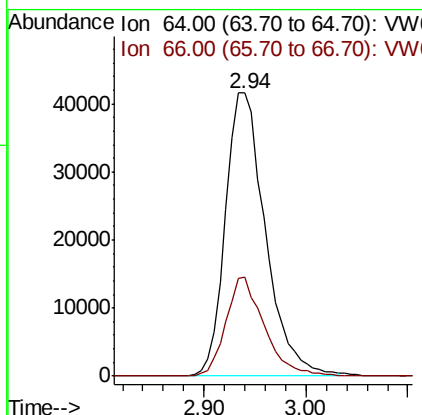
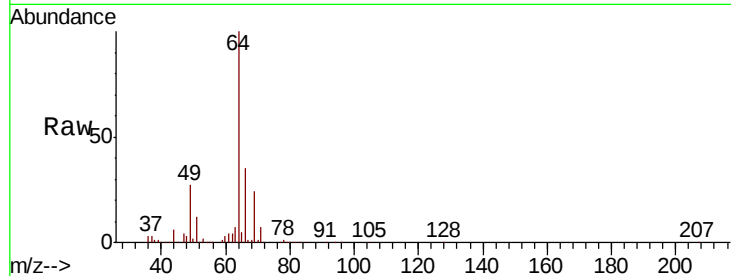




#8
Chloroethane
Concen: 22.750 ug/L
RT: 2.94 min Scan# 170
Delta R.T. 0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

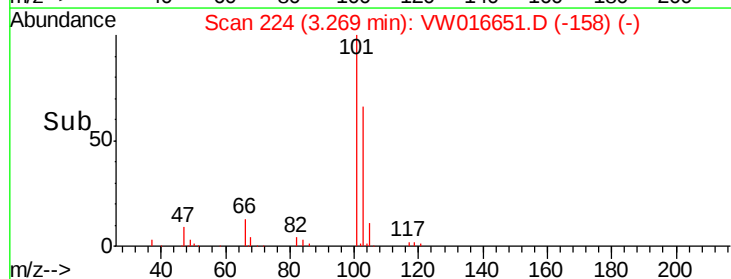
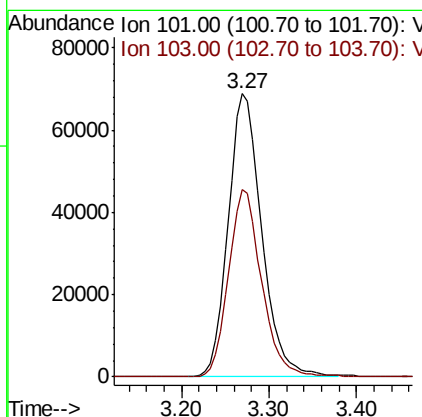
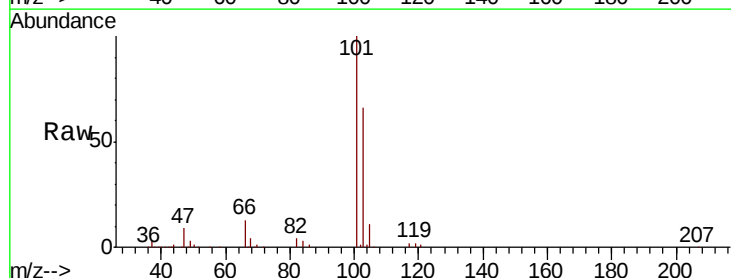
Instrument :
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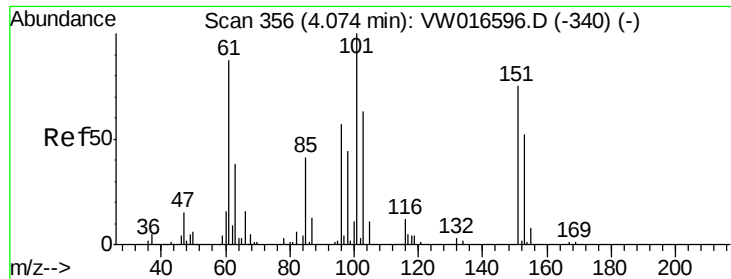
Tot Ion: 64 Resp: 113167
Ion Ratio Lower Upper
64 100
66 34.9 23.5 43.7



#9
Trichlorofluoromethane
Concen: 23.133 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion:101 Resp: 183607
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 25.145 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

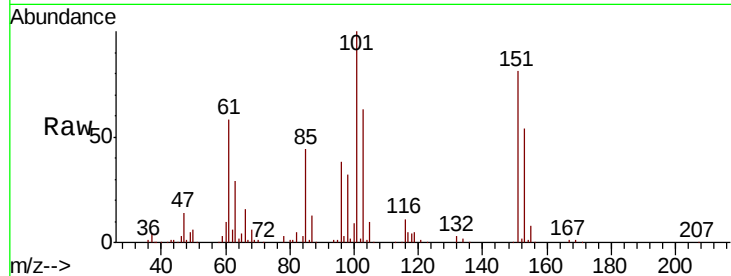
Tot Ion:101 Resp: 198109

Ion Ratio Lower Upper

101 100

85 42.1 32.2 48.2

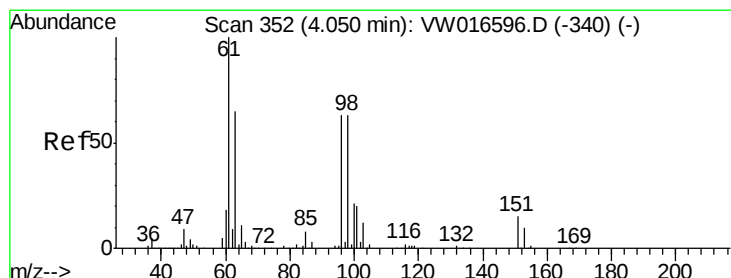
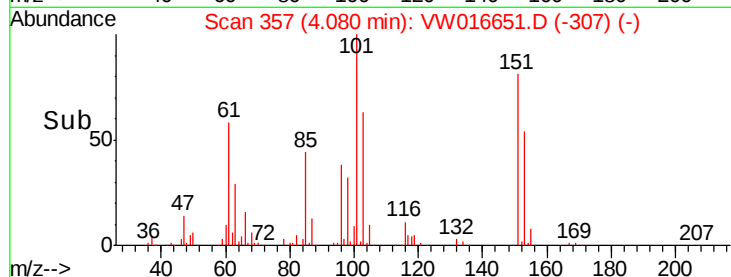
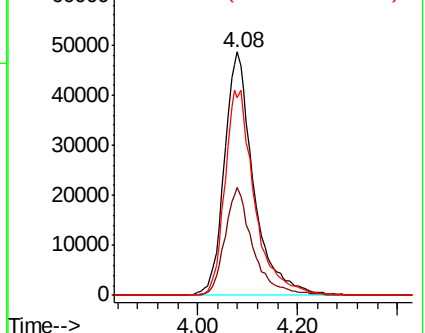
151 85.2 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.428 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

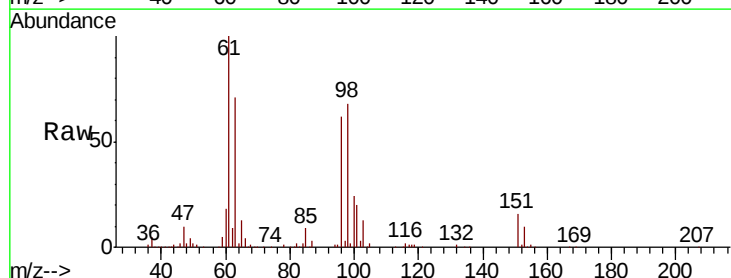
Tgt Ion: 96 Resp: 192500

Ion Ratio Lower Upper

96 100

61 161.2 112.1 208.3

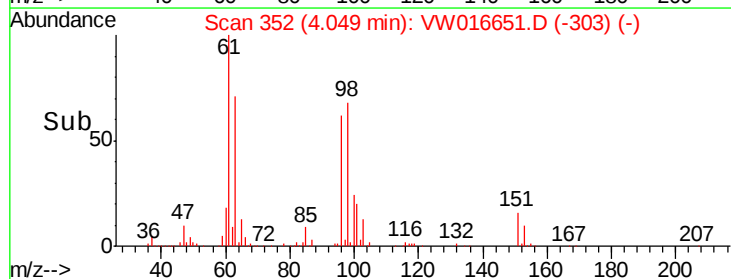
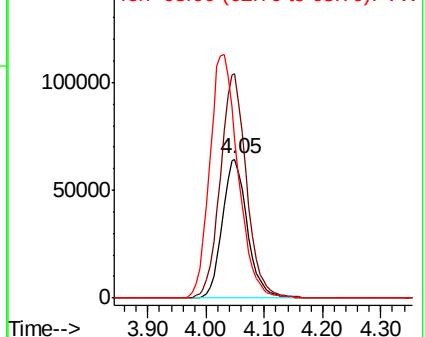
63 114.3 74.2 137.8

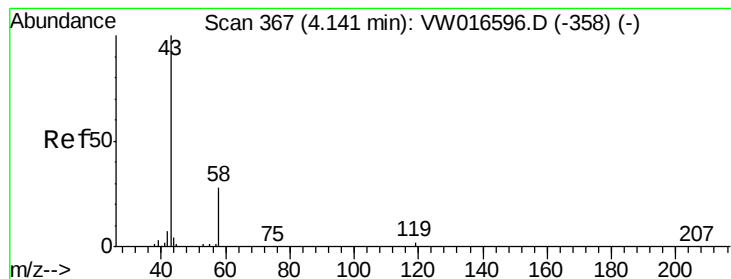


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.287 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

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ClientSampleId :

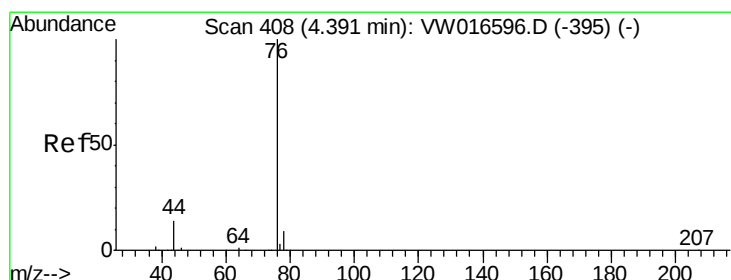
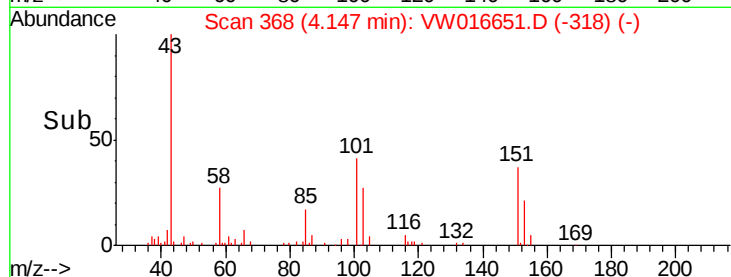
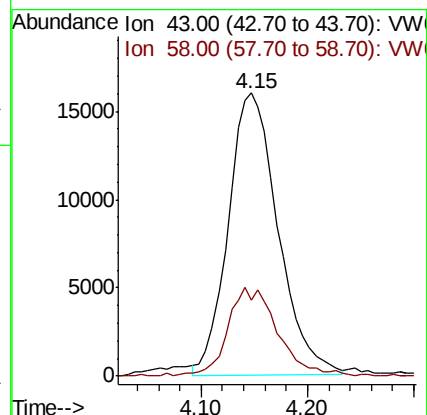
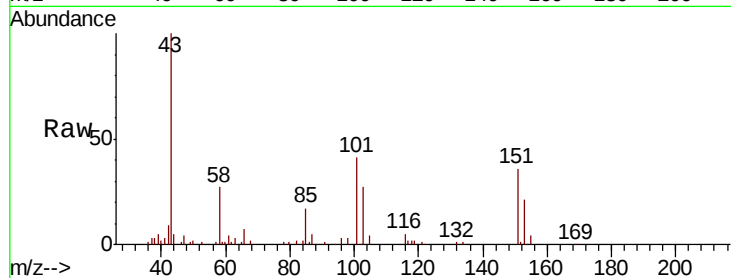
VSTD025111

Tot Ion: 43 Resp: 52355

Ion Ratio Lower Upper

43 100

58 15.7 0.0 59.4



#14

Carbon disulfide

Concen: 22.560 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016651.D

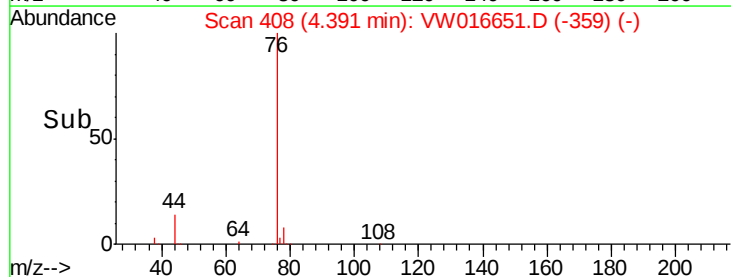
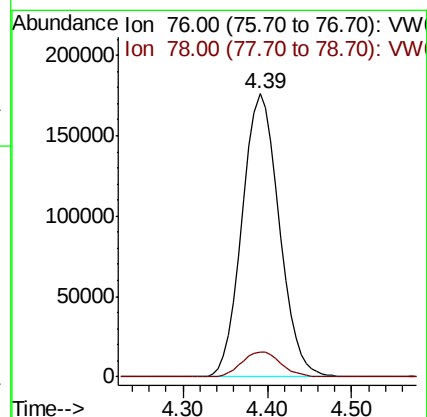
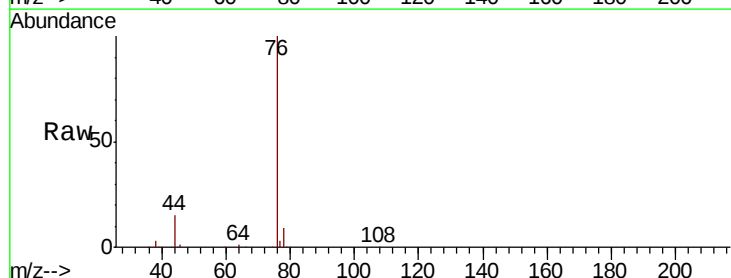
Acq: 25 Sep 2020 12:40

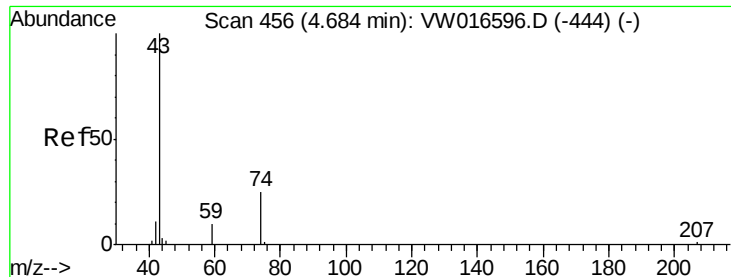
Tgt Ion: 76 Resp: 527910

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

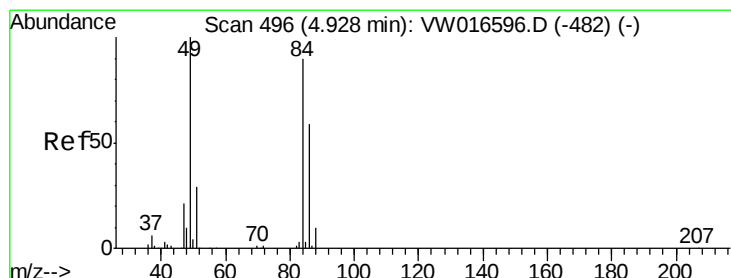
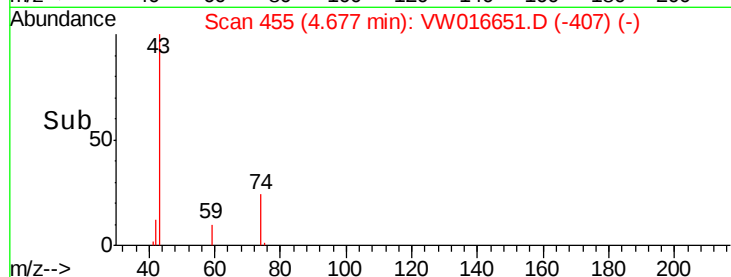
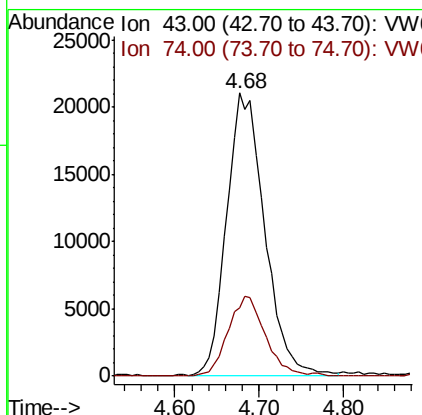
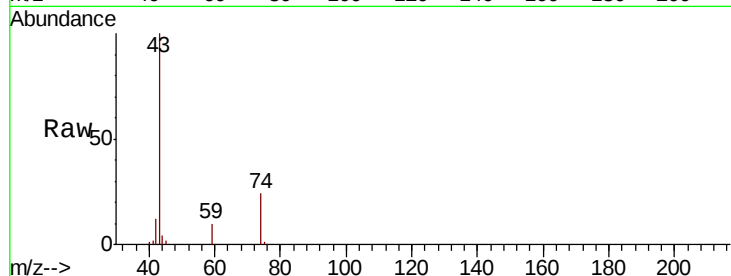




#15
Methyl Acetate
Concen: 25.180 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

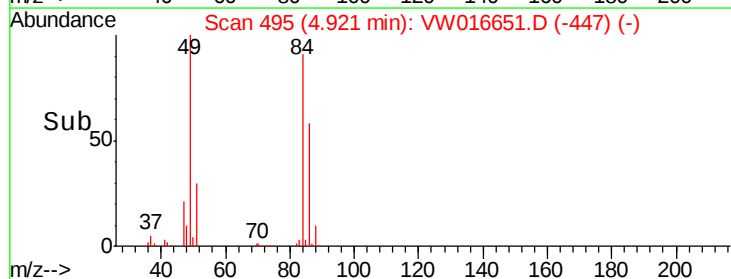
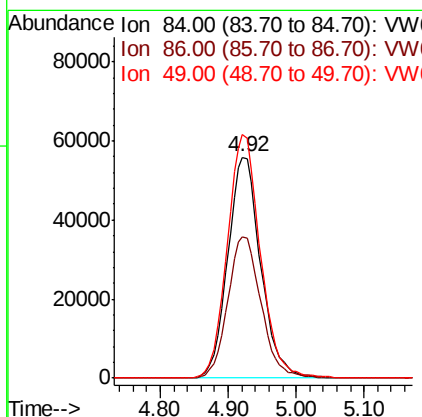
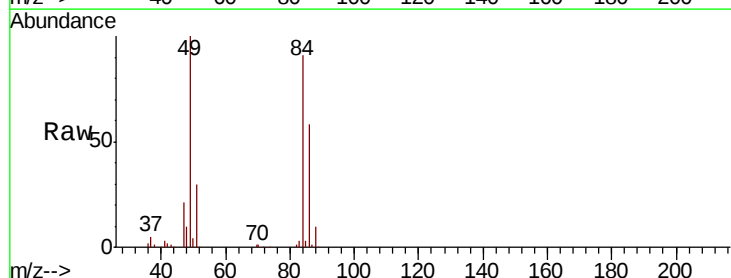
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

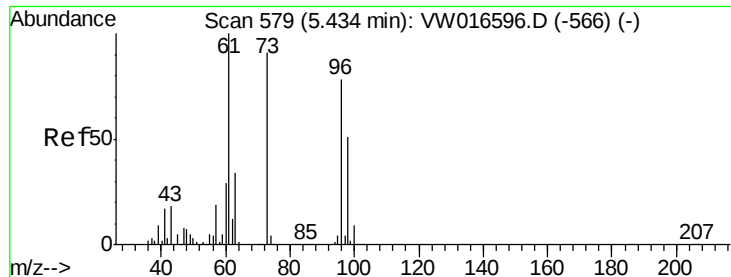
Tot Ion: 43 Resp: 64346
Ion Ratio Lower Upper
43 100
74 27.4 21.9 32.9



#16
Methylene chloride
Concen: 20.988 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion: 84 Resp: 187914
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 110.2 82.8 153.8

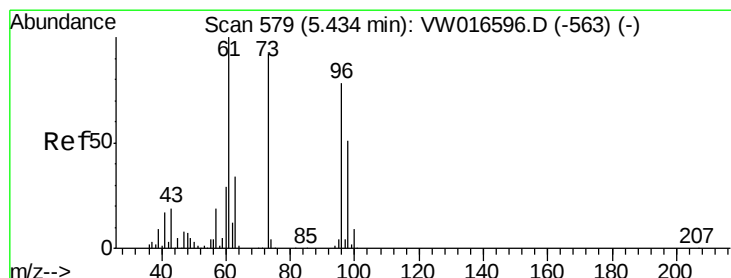
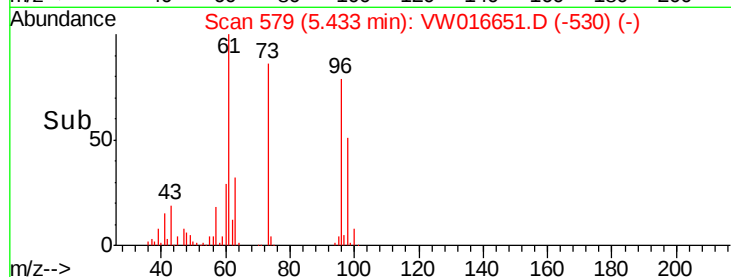
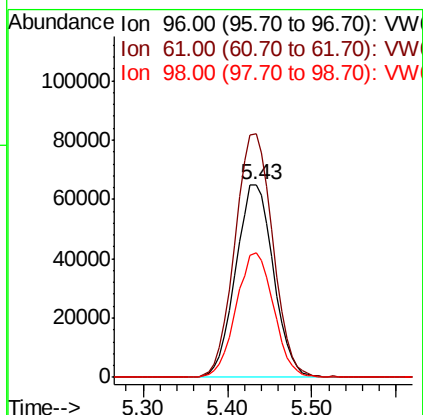
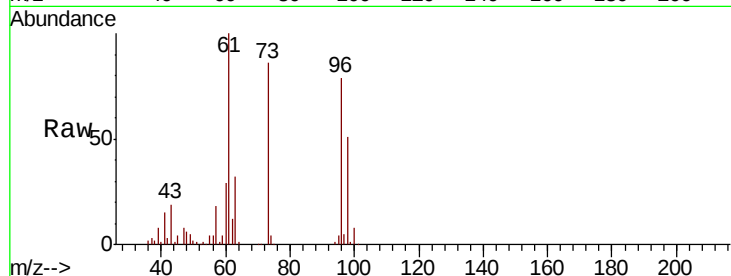




#17
trans-1,2-Dichloroethene
Concen: 24.174 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

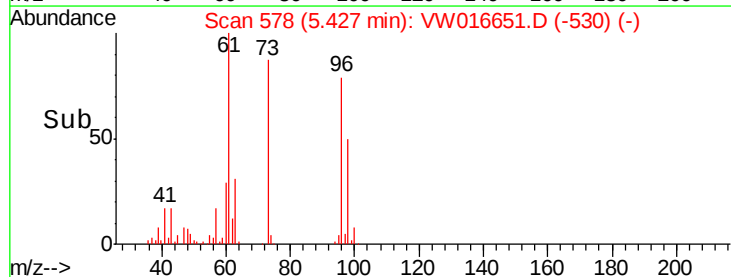
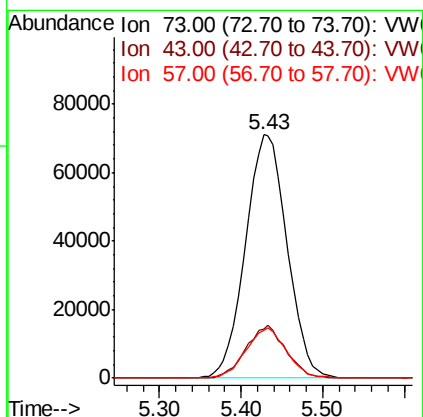
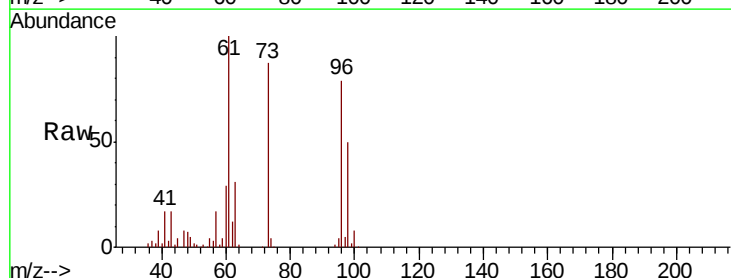
Instrument :
MSVOA_W
ClientSampled :
VSTD025111

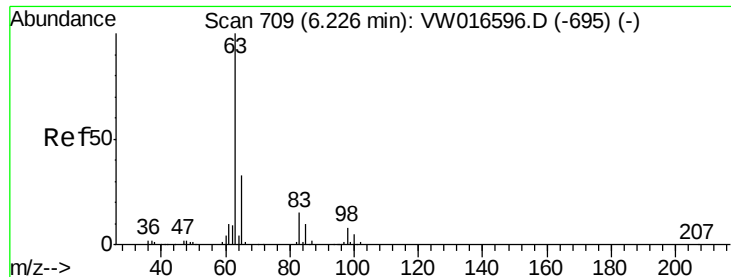
Tot Ion: 96 Resp: 197633
Ion Ratio Lower Upper
96 100
61 126.4 89.7 166.7
98 64.8 46.4 86.2



#18
Methyl tert-butyl Ether
Concen: 25.060 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion: 73 Resp: 251656
Ion Ratio Lower Upper
73 100
43 20.6 17.0 25.6
57 20.0 16.3 24.5

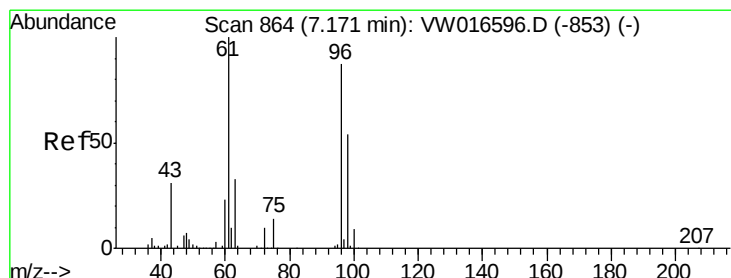
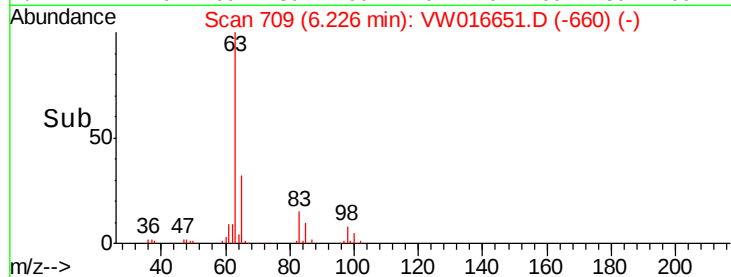
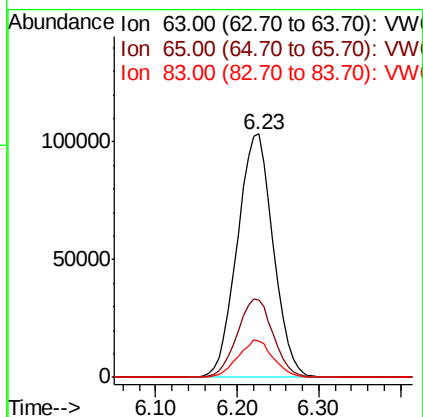
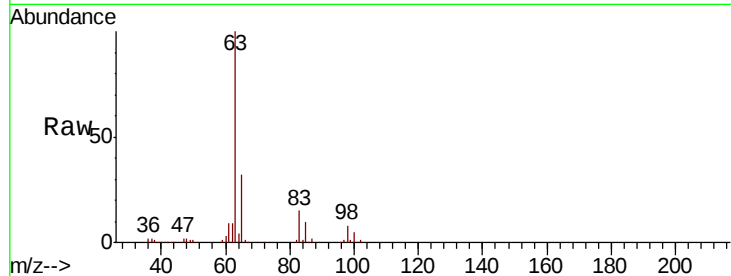




#19
 1,1-Dichloroethane
 Concen: 24.424 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

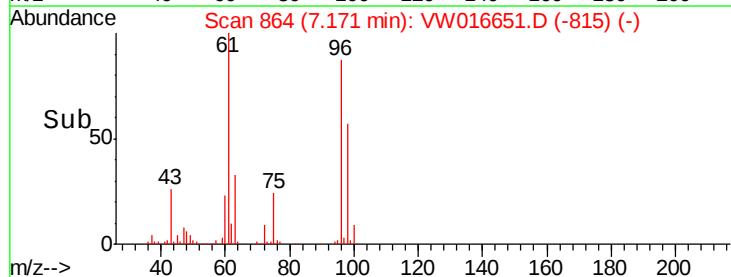
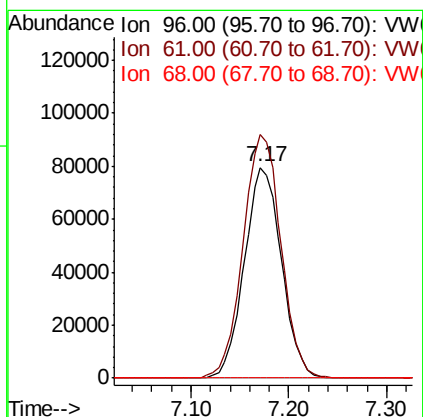
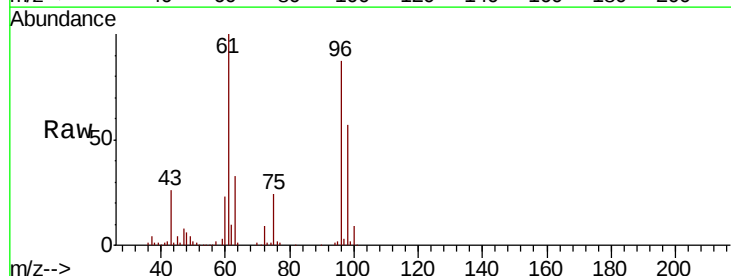
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

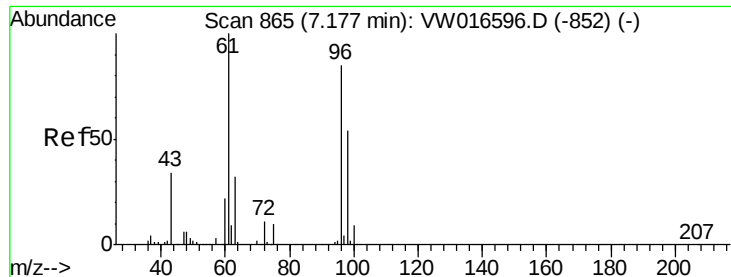
Tot Ion:	63	Resp:	316295
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.8	40.6
83	15.1	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 24.757 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion:	96	Resp:	210390
Ion	Ratio	Lower	Upper
96	100		
61	115.6	79.2	147.0
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 45.686 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

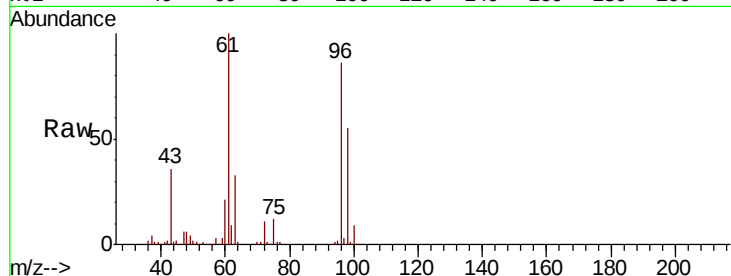
VSTD025111

Tot Ion: 43 Resp: 80870

Ion Ratio Lower Upper

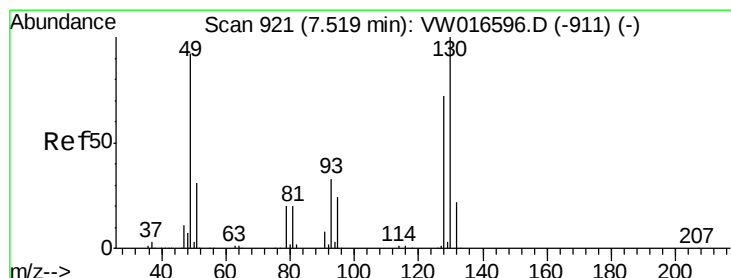
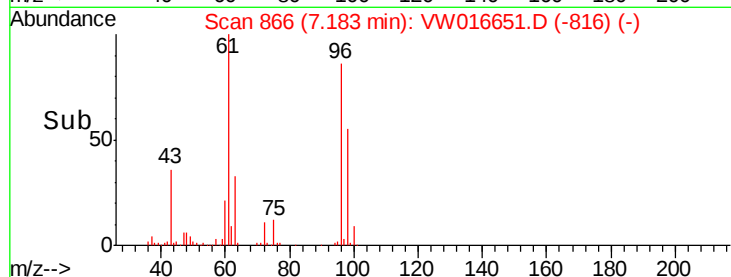
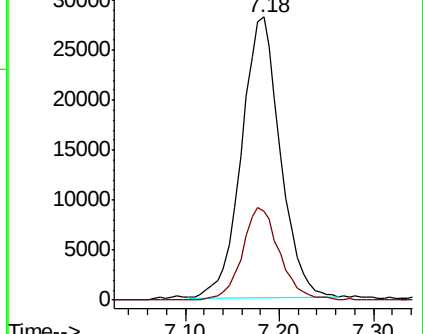
43 100

72 31.7 15.7 47.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#23

Bromochloromethane

Concen: 24.939 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Tgt Ion: 128 Resp: 99642

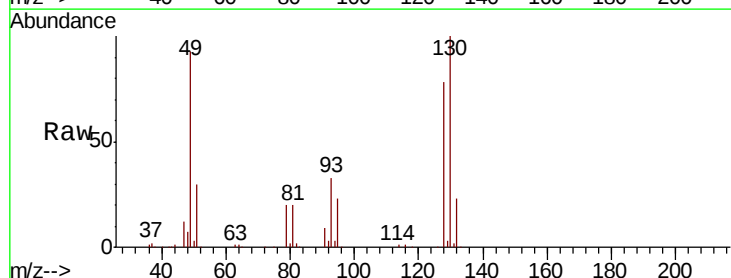
Ion Ratio Lower Upper

128 100

49 119.0 91.5 169.9

130 127.7 89.0 165.4

51 38.3 33.0 49.6

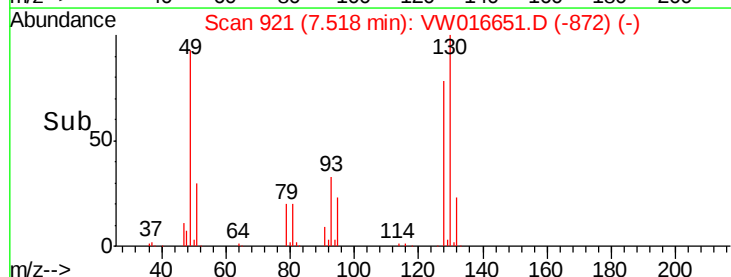
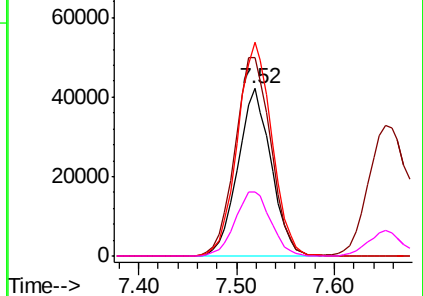


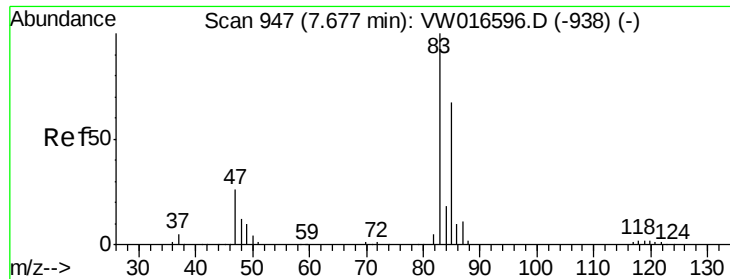
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

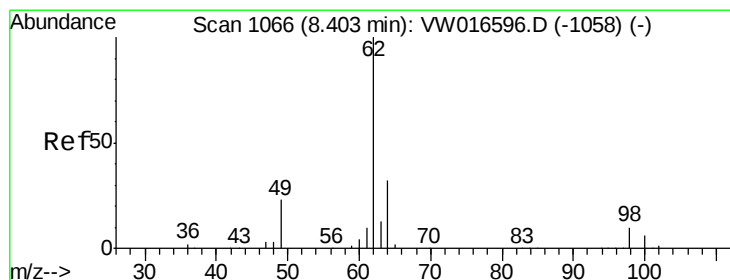
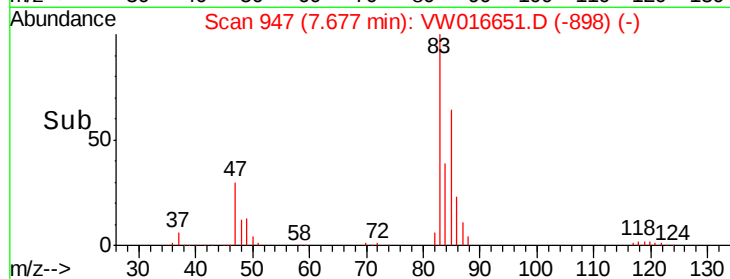
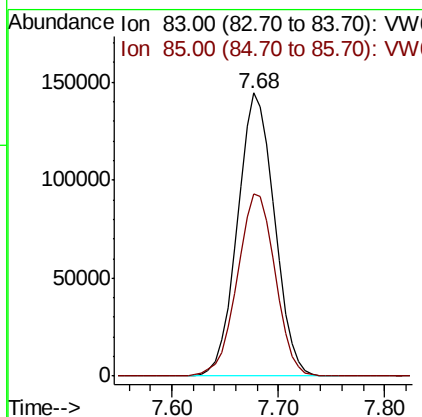
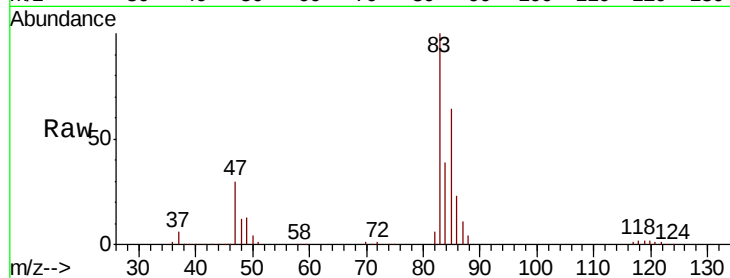




#25
Chloroform
Concen: 24.887 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

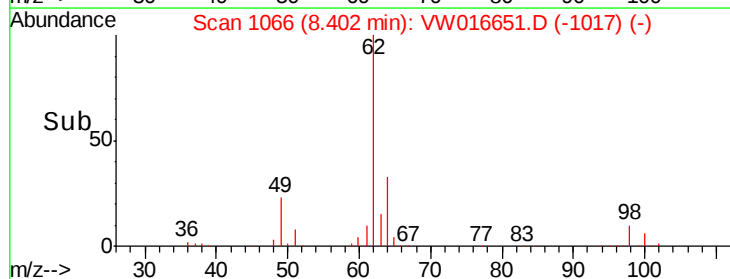
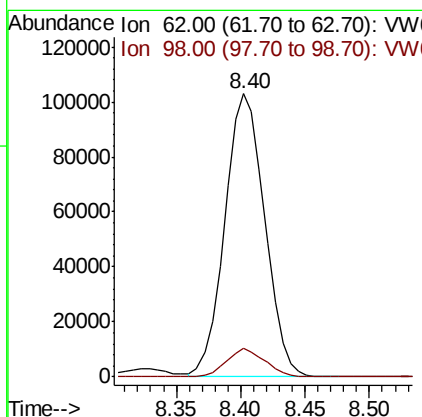
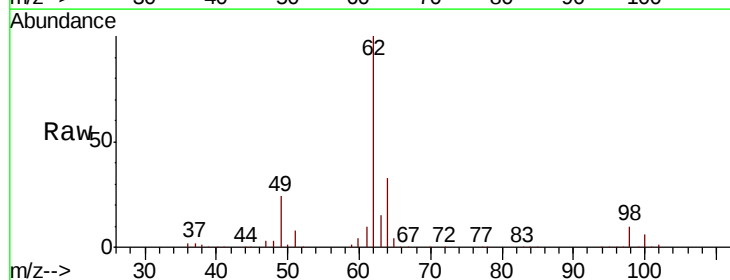
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

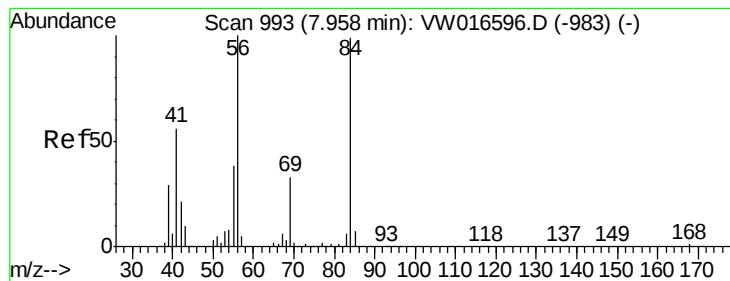
Tot Ion: 83 Resp: 352589
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 25.159 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion: 62 Resp: 221317
Ion Ratio Lower Upper
62 100
98 10.1 7.3 10.9





#29

Cyclohexane

Concen: 22.830 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

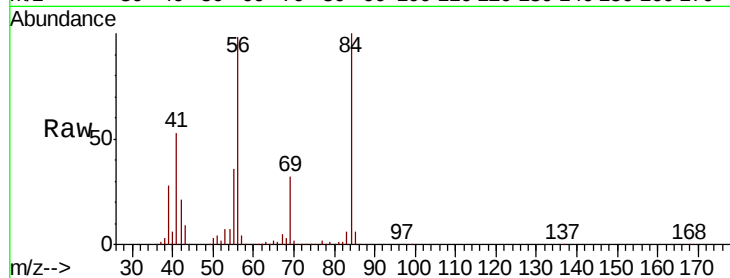
Tot Ion: 56 Resp: 278242

Ion Ratio Lower Upper

56 100

69 33.4 26.4 39.6

84 101.3 79.9 119.9

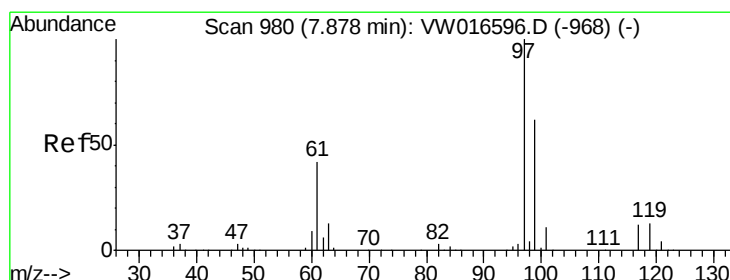
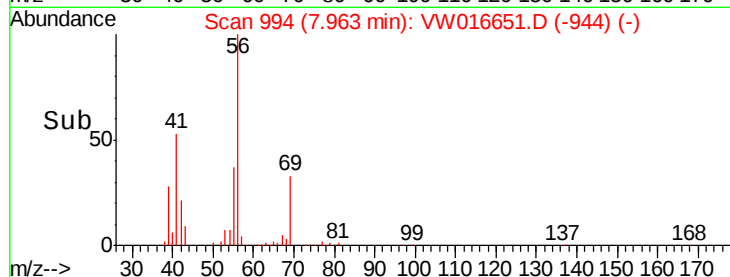
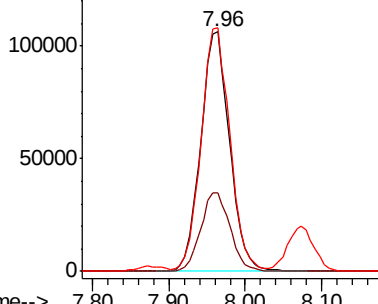


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#30

1,1,1-Trichloroethane

Concen: 24.264 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

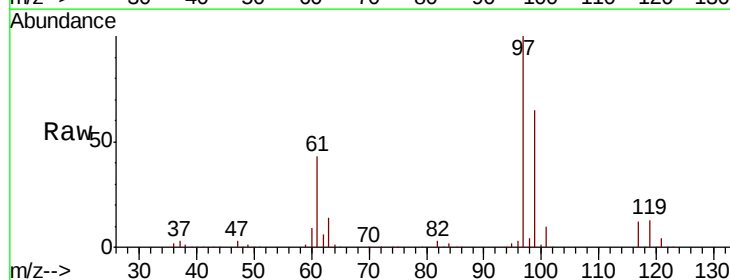
Tgt Ion: 97 Resp: 315606

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 41.8 33.2 49.8

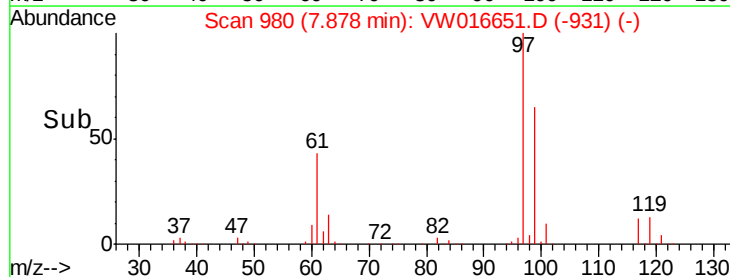
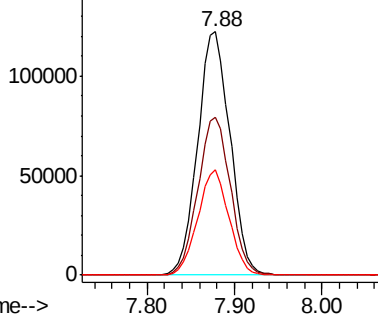


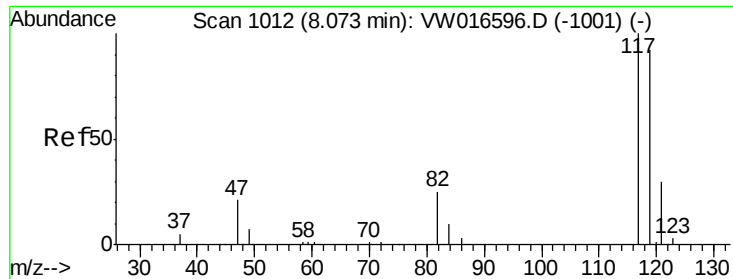
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.05 (60.75 to 61.75): VW

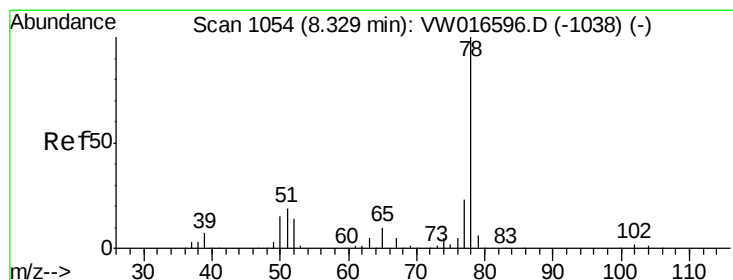
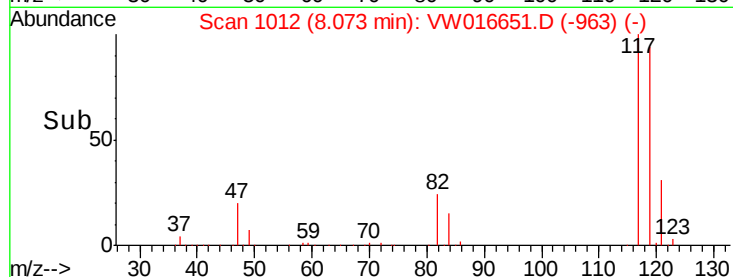
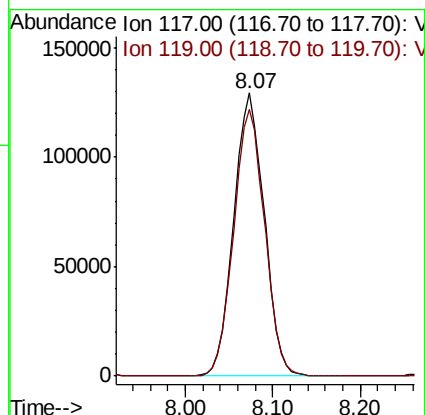
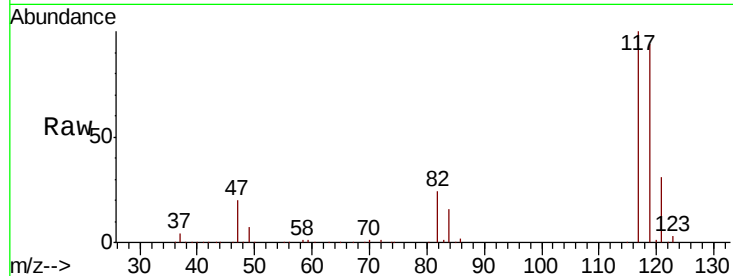




#31
Carbon tetrachloride
Concen: 24.817 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

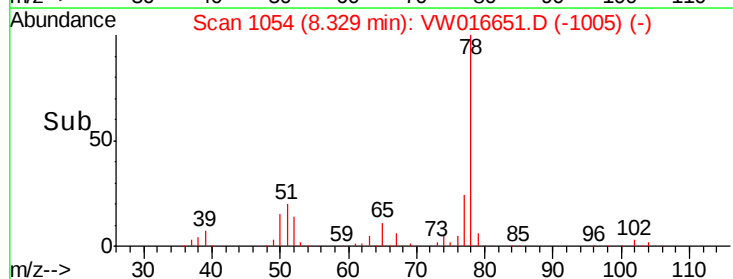
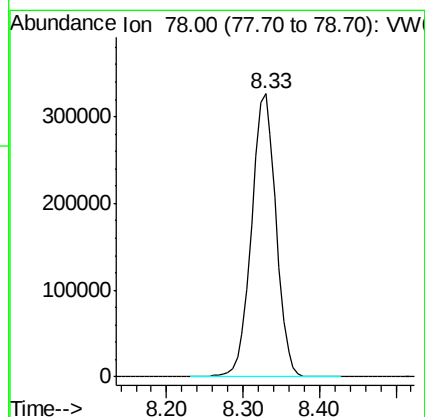
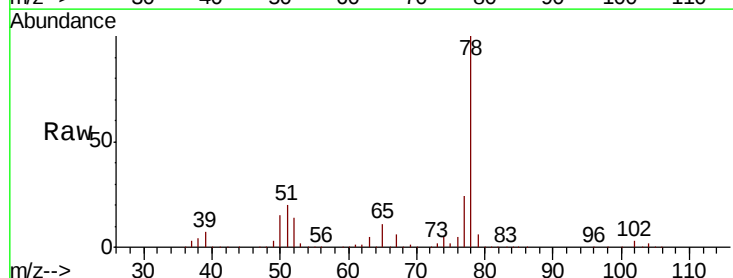
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

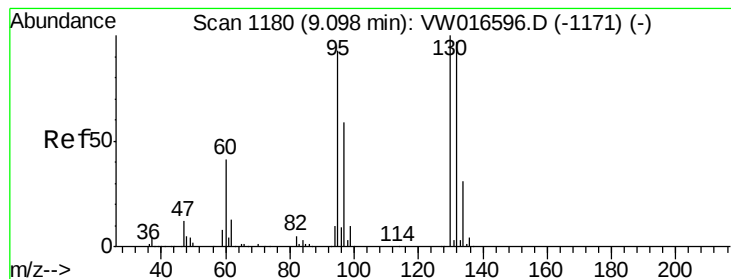
Tot Ion:117 Resp: 314360
Ion Ratio Lower Upper
117 100
119 95.7 76.7 115.1



#33
Benzene
Concen: 24.105 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion: 78 Resp: 728975





#34

Trichloroethene

Concen: 24.439 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

Tot Ion: 95 Resp: 212000

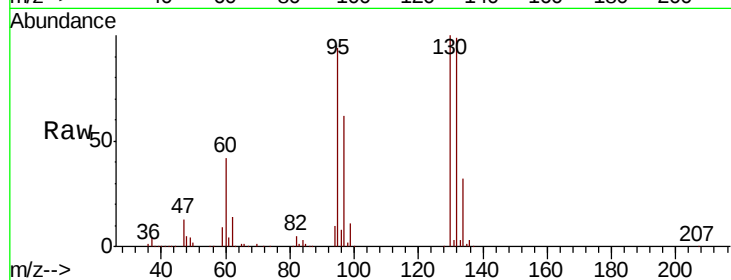
Ion Ratio Lower Upper

95 100

97 65.8 45.1 83.9

132 105.2 73.8 137.2

130 106.2 78.3 145.5

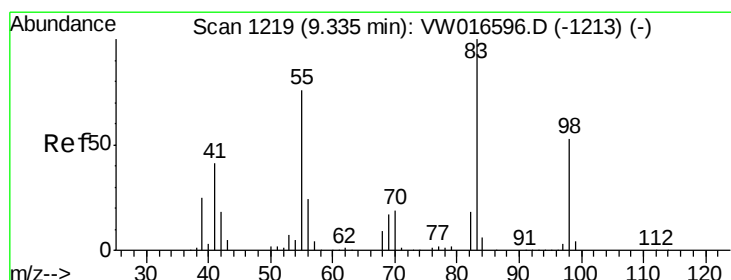
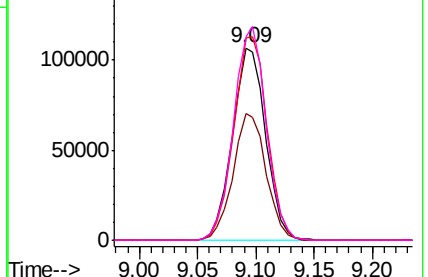
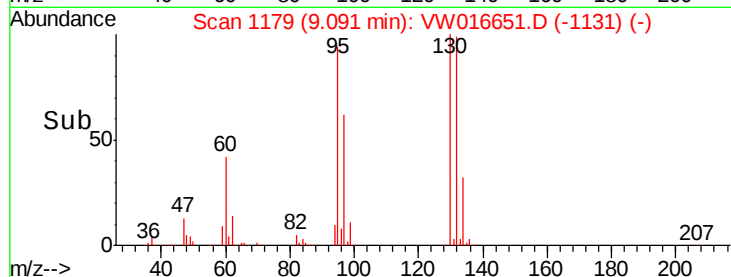


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#35

Methylcyclohexane

Concen: 23.686 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

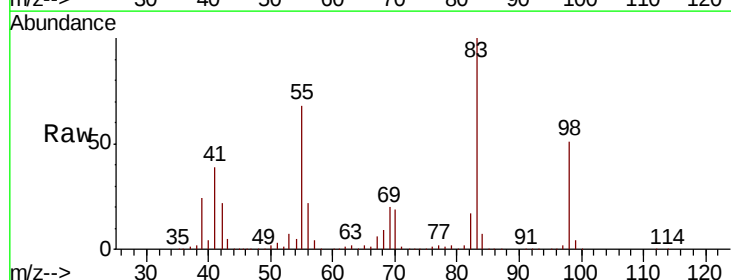
Tgt Ion: 83 Resp: 343218

Ion Ratio Lower Upper

83 100

55 68.8 55.9 83.9

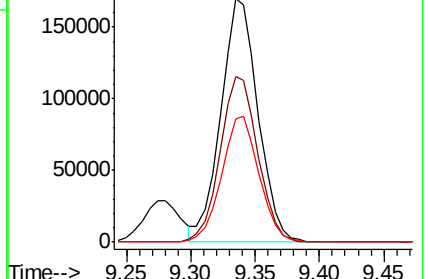
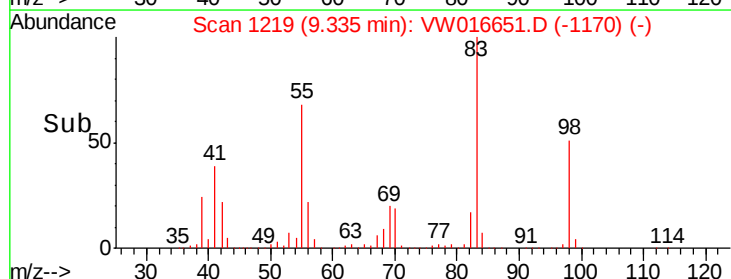
98 51.9 41.5 62.3

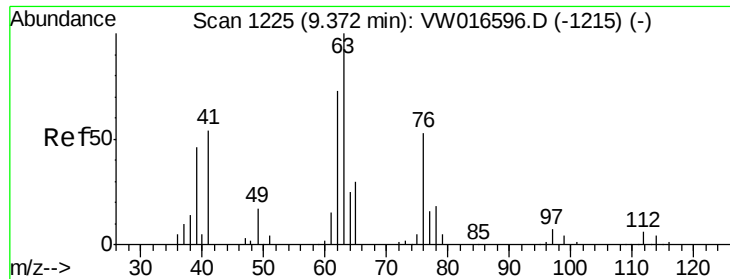


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

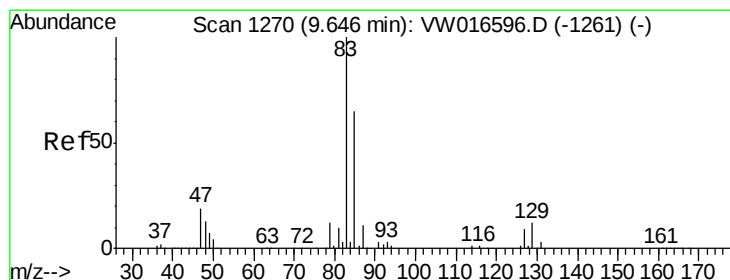
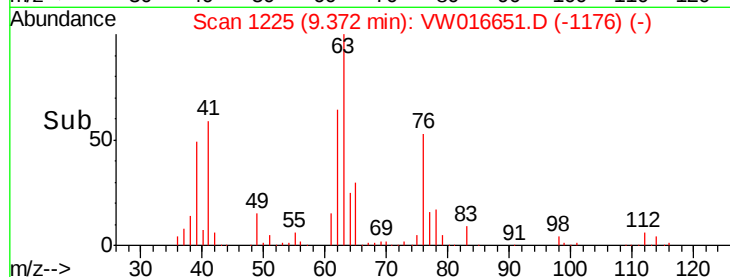
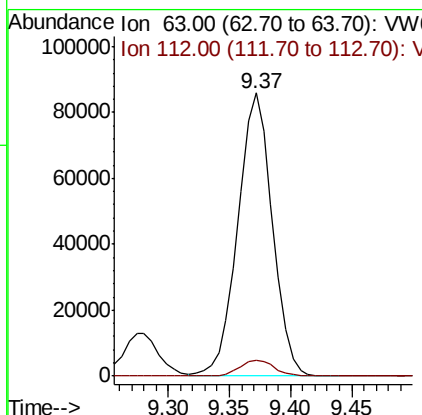
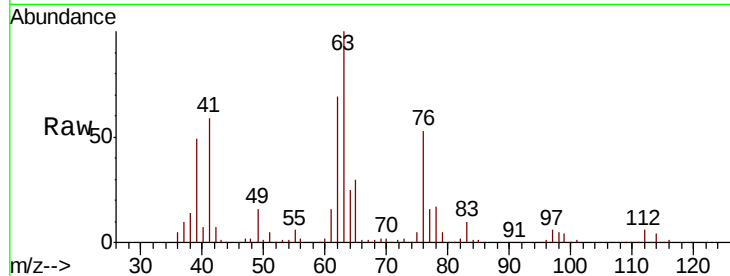




#37
 1,2-Dichloropropane
 Concen: 24.423 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

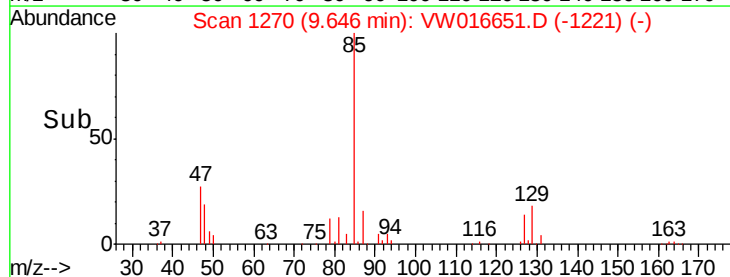
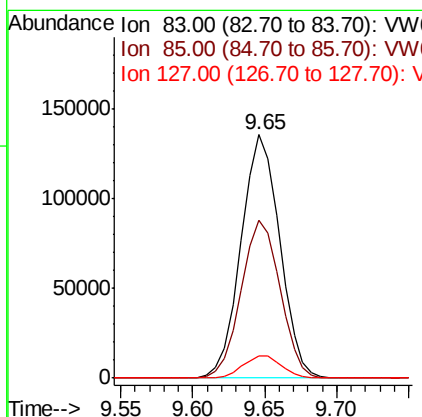
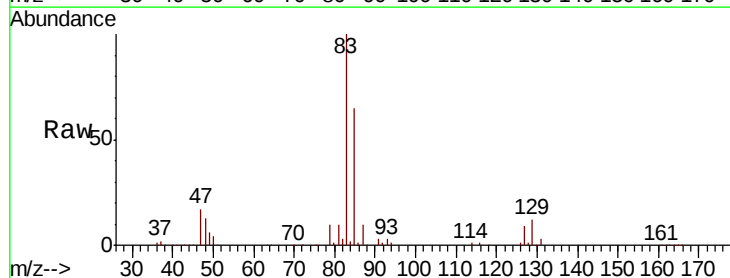
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

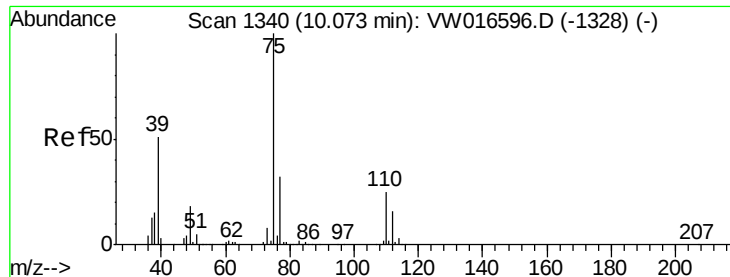
Tot Ion: 63 Resp: 168413
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.2 6.4



#38
 Bromodichloromethane
 Concen: 24.668 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion: 83 Resp: 252256
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.7 81.1
 127 9.2 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 24.657 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

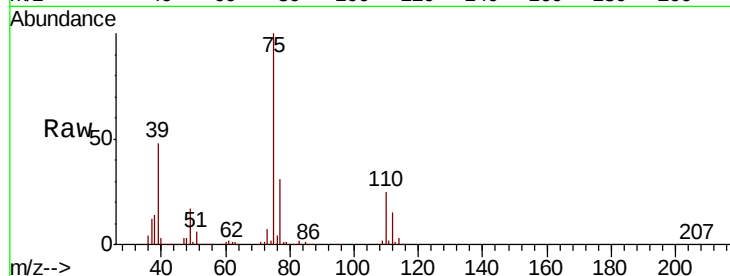
VSTD025111

Tot Ion: 75 Resp: 290226

Ion Ratio Lower Upper

75 100

77 31.5 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

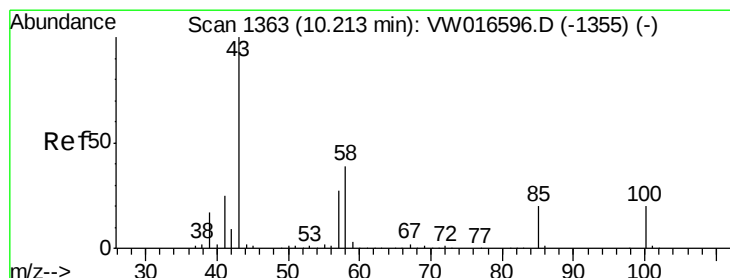
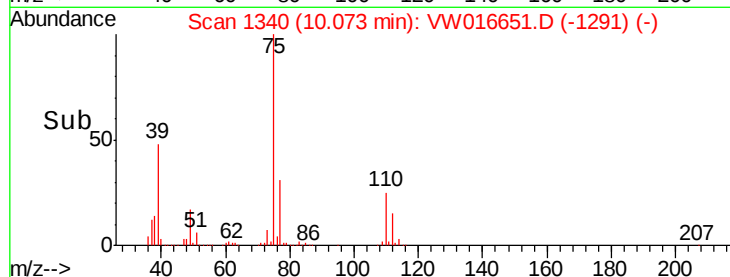
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 48.776 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

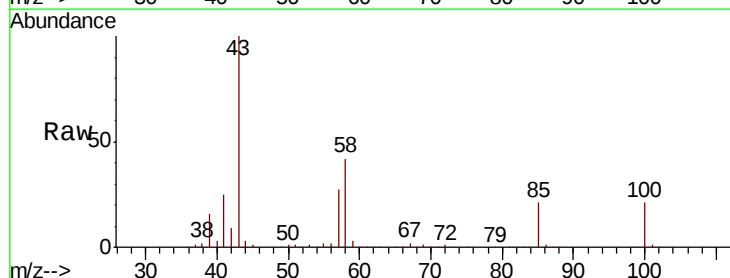
Tgt Ion: 43 Resp: 188451

Ion Ratio Lower Upper

43 100

58 41.4 33.0 49.4

100 20.7 16.0 24.0



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

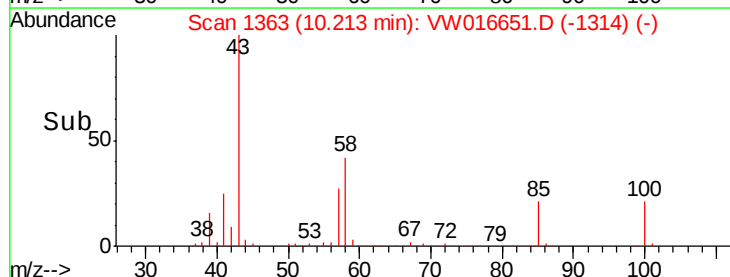
300000

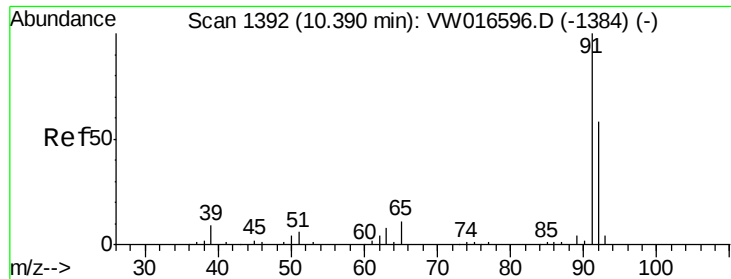
200000

100000

0

Time-->





#42

Toluene

Concen: 24.442 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

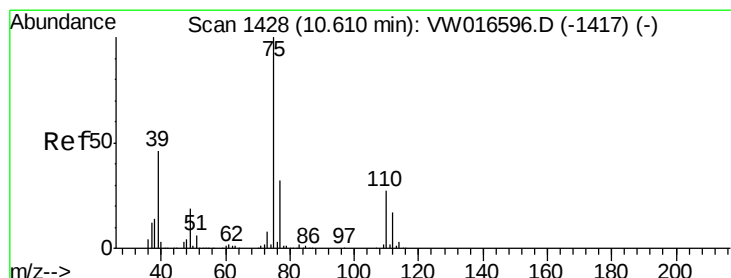
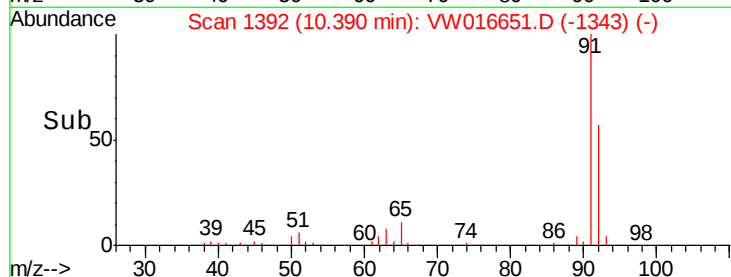
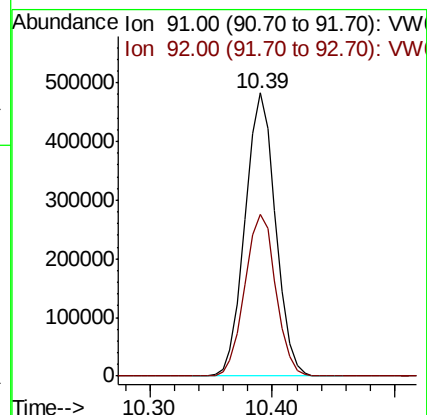
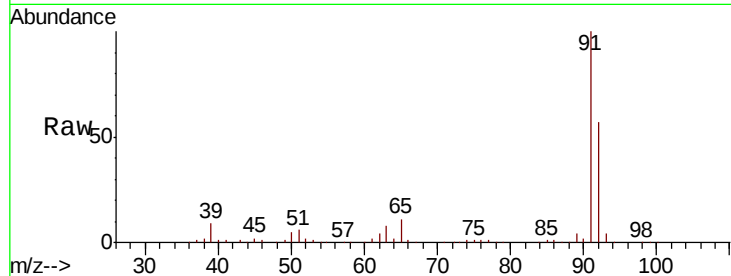
VSTD025111

Tot Ion: 91 Resp: 832716

Ion Ratio Lower Upper

91 100

92 57.1 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 25.045 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016651.D

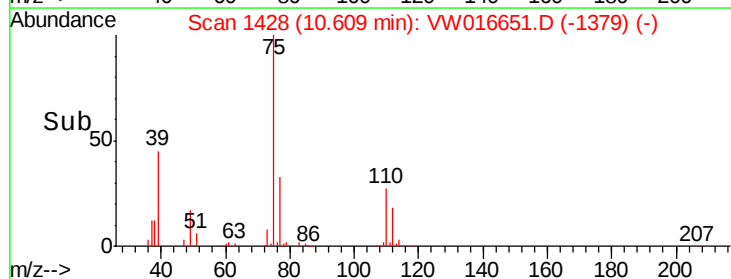
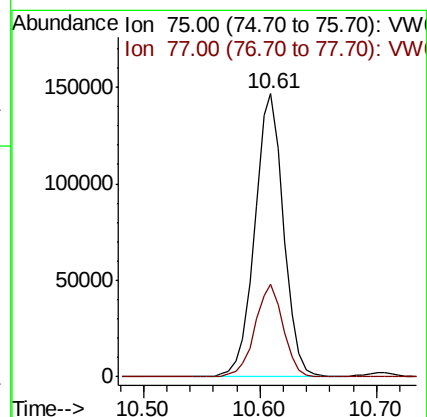
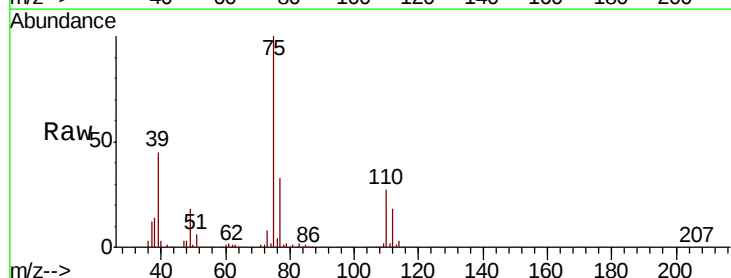
Acq: 25 Sep 2020 12:40

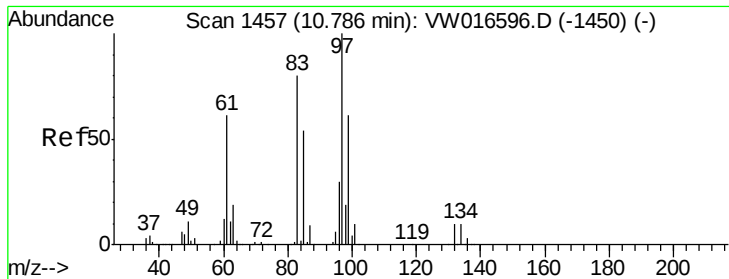
Tgt Ion: 75 Resp: 252844

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1

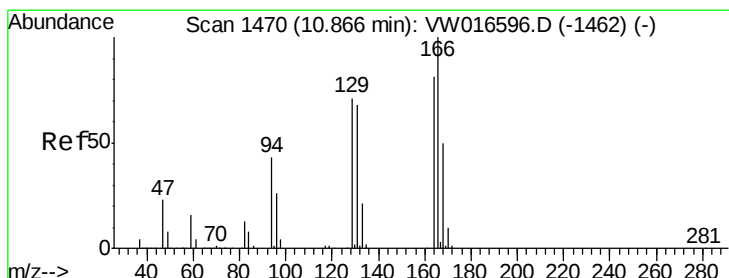
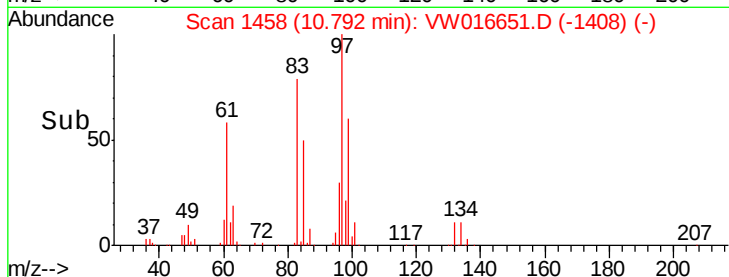
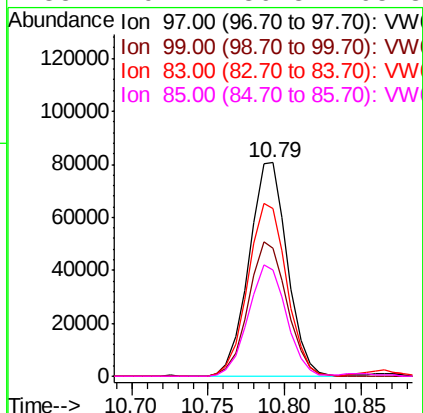
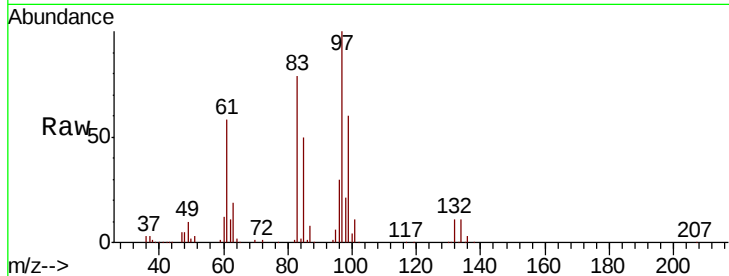




#45
 1,1,2-Trichloroethane
 Concen: 25.173 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

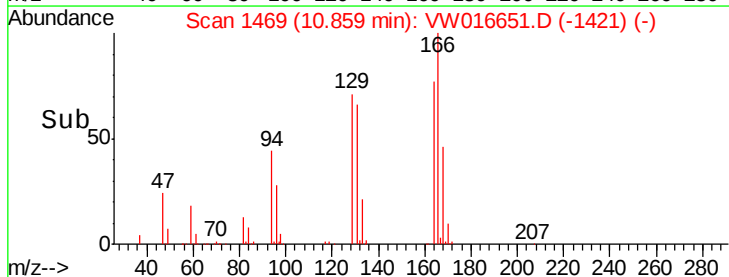
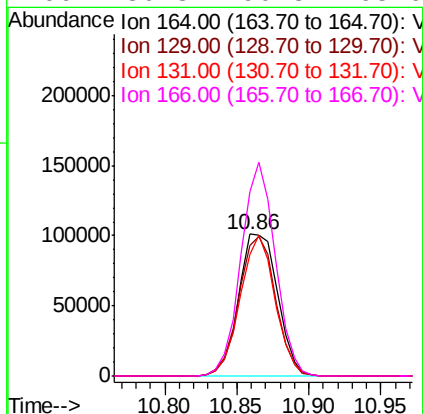
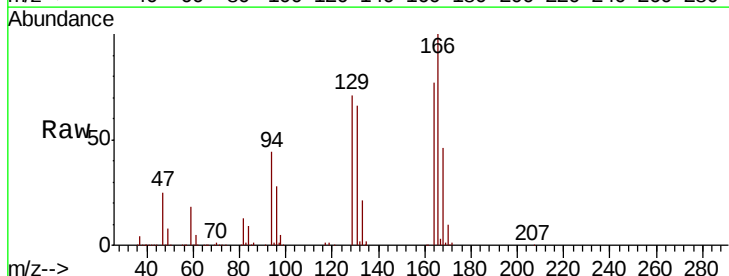
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

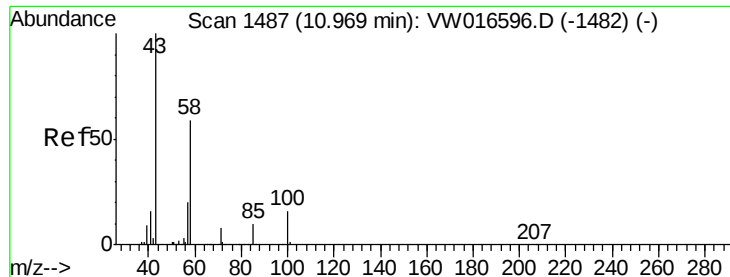
Tot Ion:	97	Resp:	140986
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.5	82.7
83	78.8	58.4	108.4
85	49.7	36.8	68.3



#46
 Tetrachloroethene
 Concen: 24.259 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion:	164	Resp:	189827
Ion	Ratio	Lower	Upper
164	100		
129	92.3	61.4	114.0
131	86.2	62.8	116.6
166	130.3	90.8	168.6

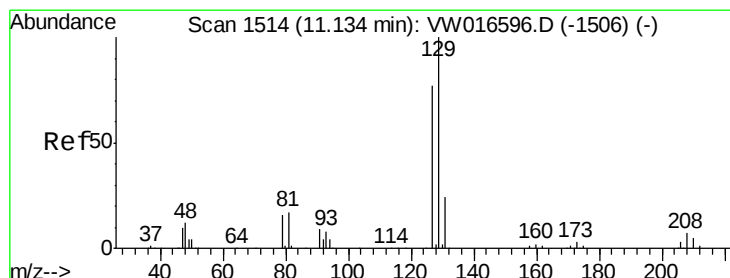
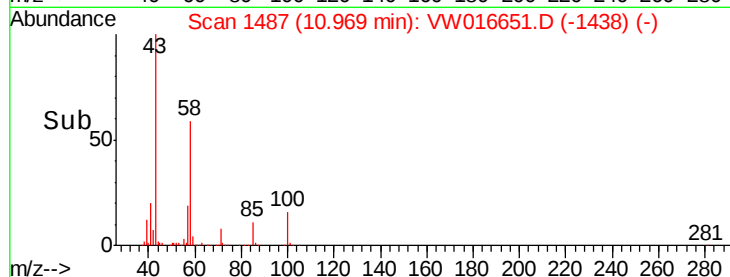
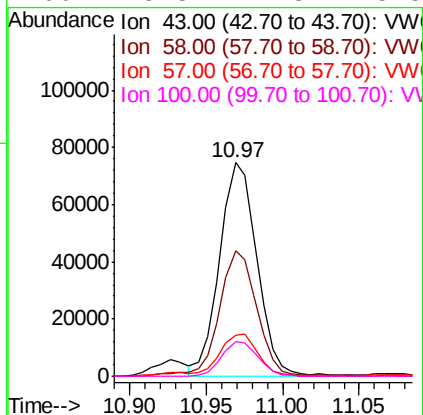
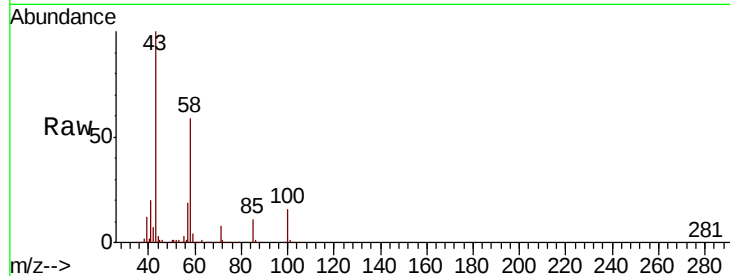




#48
2-Hexanone
Concen: 52.636 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

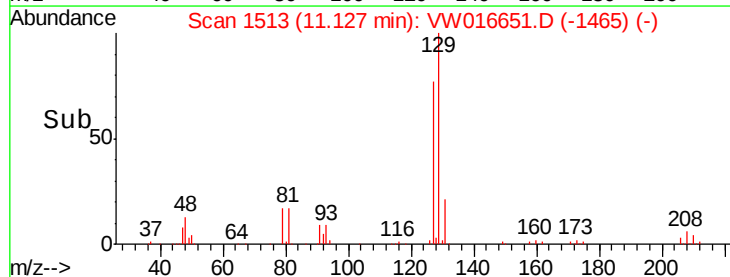
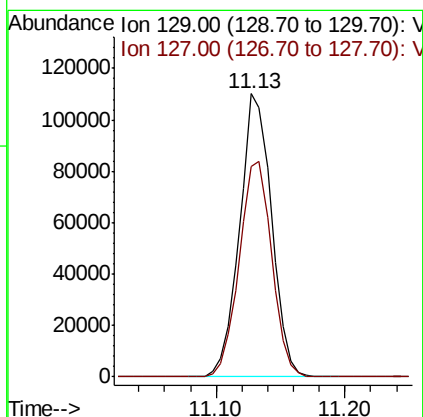
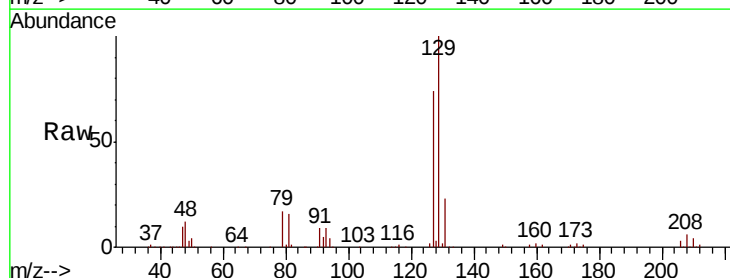
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

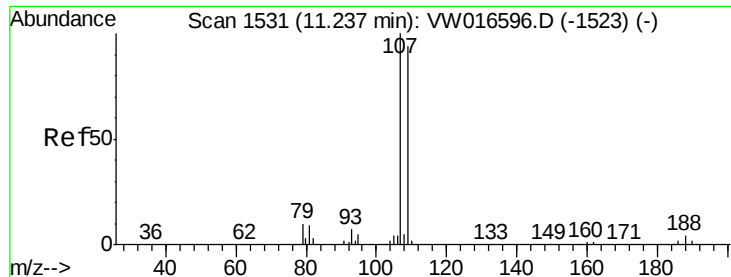
Tot Ion: 43 Resp: 126453
Ion Ratio Lower Upper
43 100
58 57.4 45.9 68.9
57 20.2 16.6 24.8
100 15.8 12.3 18.5



#49
Dibromochloromethane
Concen: 25.592 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion: 129 Resp: 188142
Ion Ratio Lower Upper
129 100
127 74.2 52.5 97.5

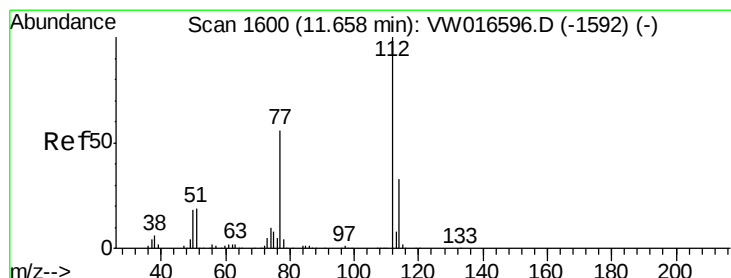
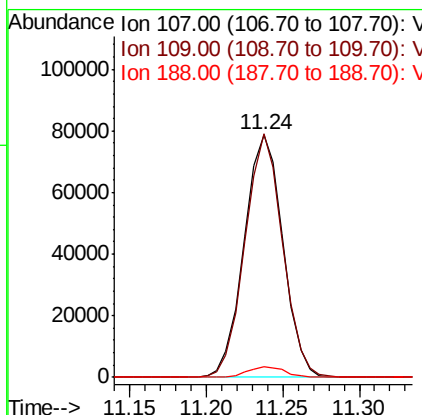
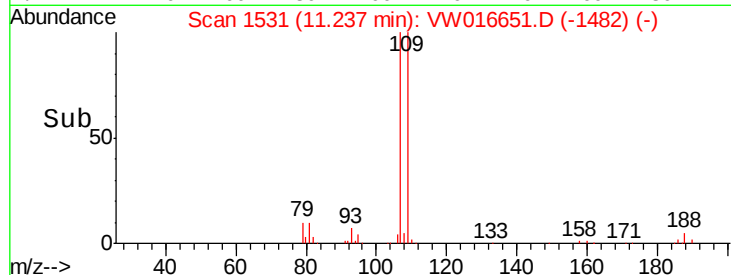
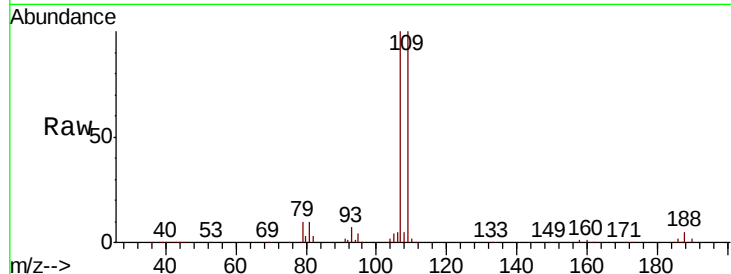




#50
 1,2-Dibromoethane
 Concen: 24.979 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

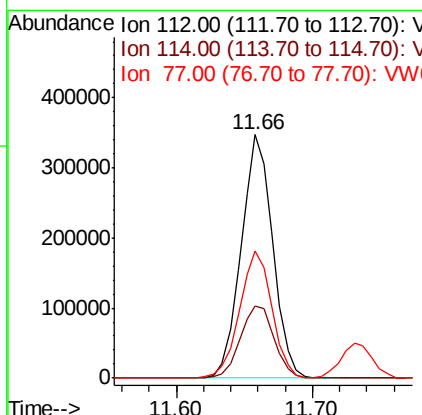
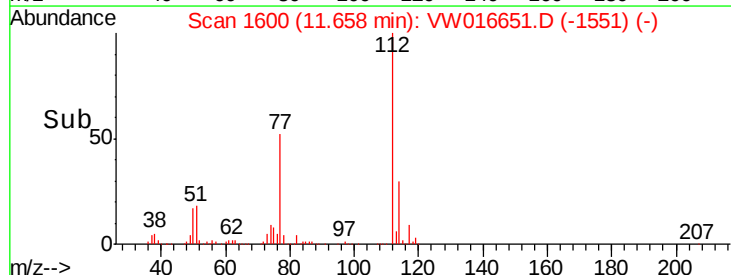
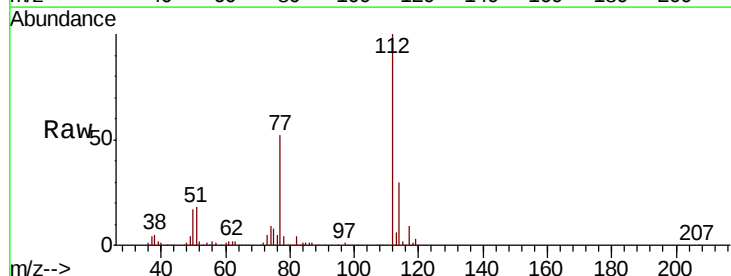
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

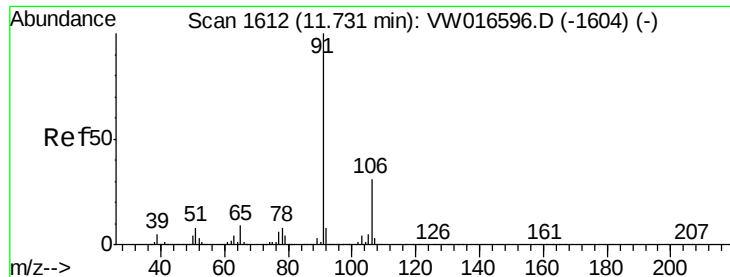
Tot Ion:107	Resp:	138555
Ion Ratio	Lower	Upper
107	100	
109	100.4	66.2 123.0
188	4.5	3.3 4.9



#51
 Chlorobenzene
 Concen: 24.865 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion:112	Resp:	561760
Ion Ratio	Lower	Upper
112	100	
114	29.8	22.9 42.5
77	52.3	43.8 65.8

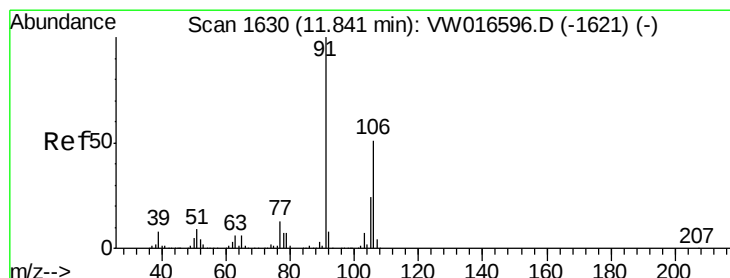
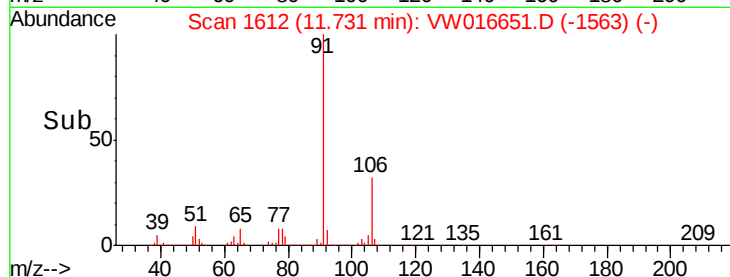
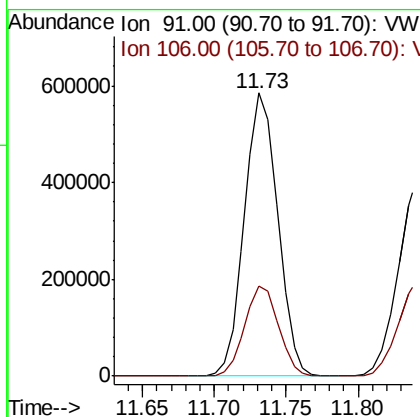
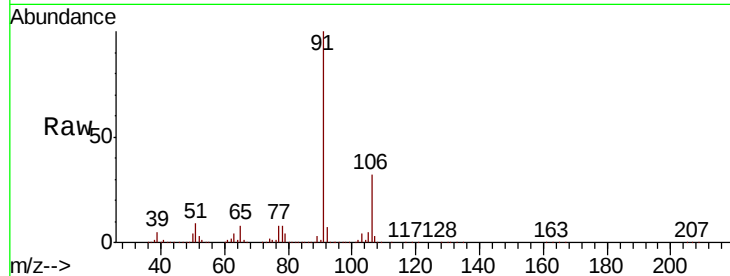




#52
Ethylbenzene
Concen: 24.499 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

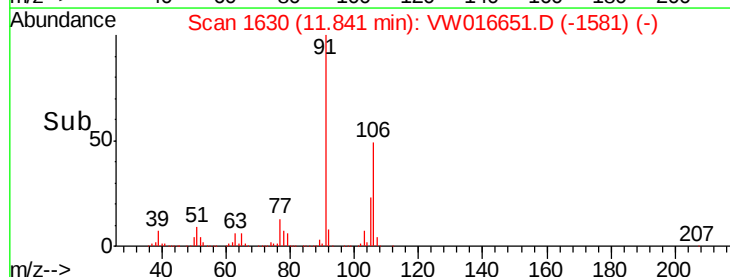
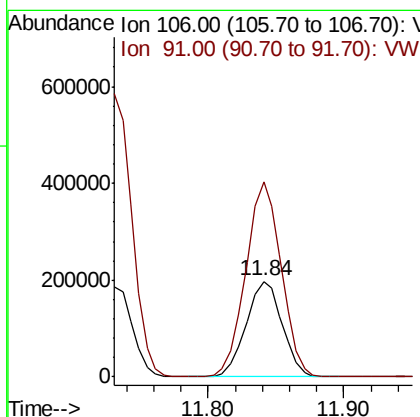
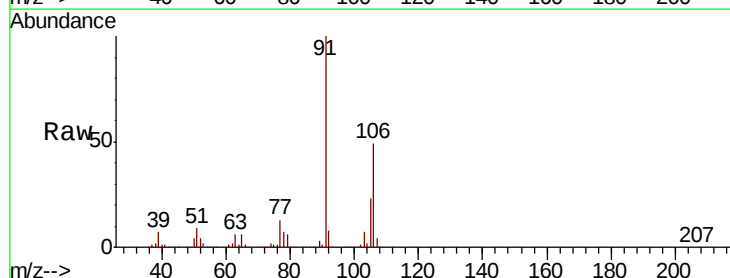
Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

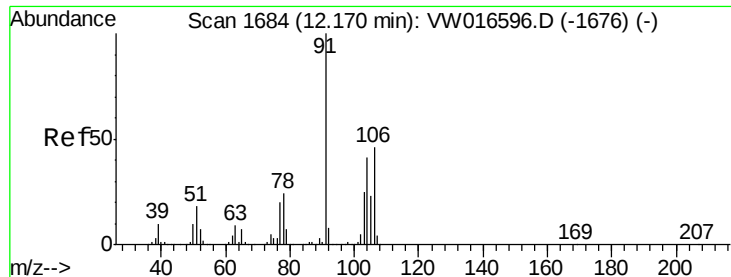
Tot Ion: 91 Resp: 939771
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#53
m,p-Xylene
Concen: 24.581 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion:106 Resp: 367333
Ion Ratio Lower Upper
106 100
91 203.5 136.2 252.9

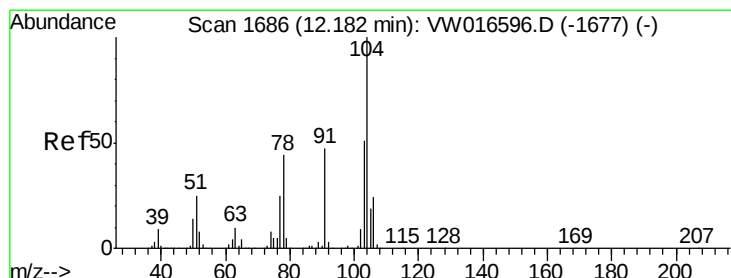
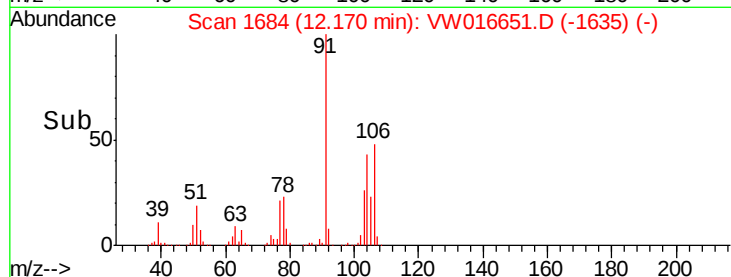
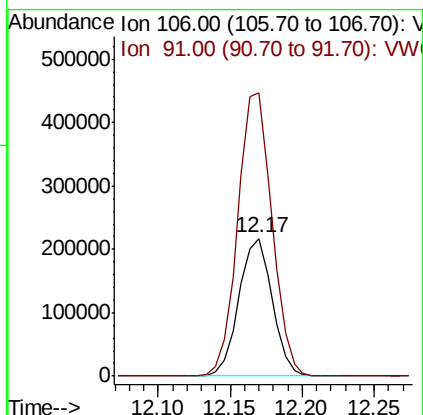
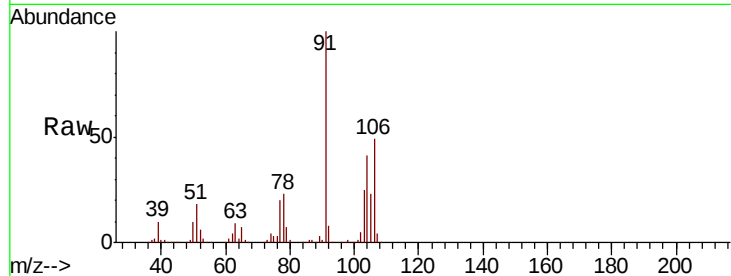




#54
o-Xylene
Concen: 24.676 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

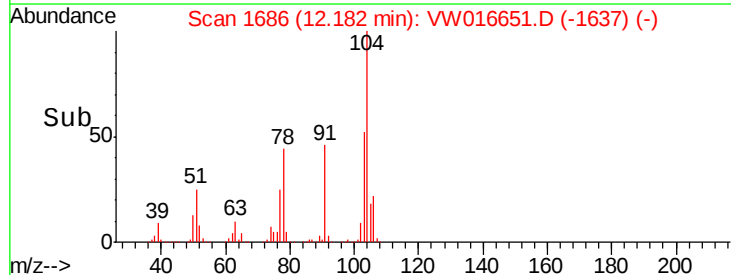
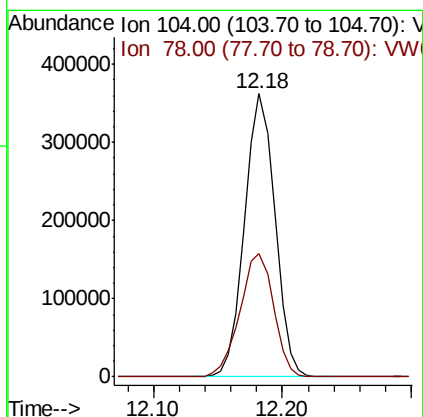
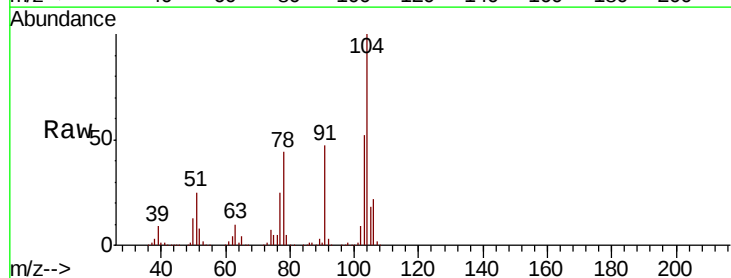
Instrument :
MSVOA_W
ClientSampled :
VSTD025111

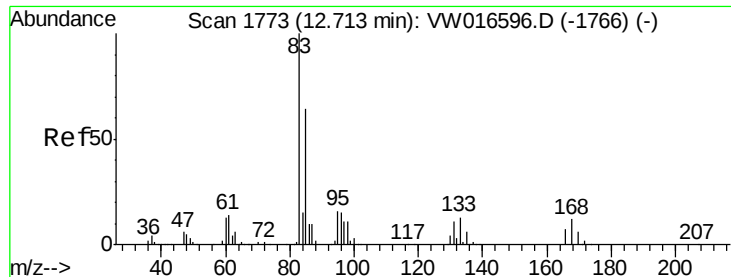
Tot Ion:106 Resp: 349021
Ion Ratio Lower Upper
106 100
91 205.4 143.4 266.2



#55
Styrene
Concen: 25.045 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion:104 Resp: 589843
Ion Ratio Lower Upper
104 100
78 43.7 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 25.482 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

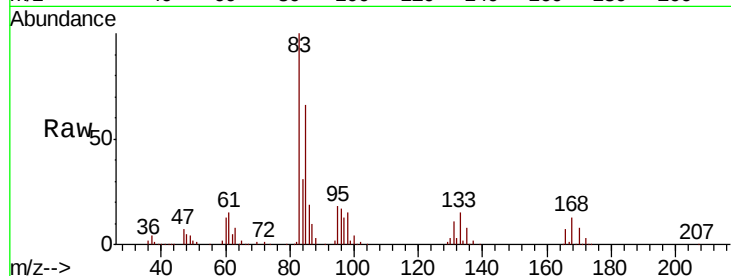
Tot Ion: 83 Resp: 153656

Ion Ratio Lower Upper

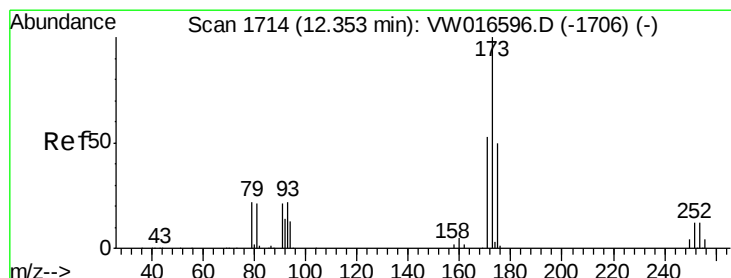
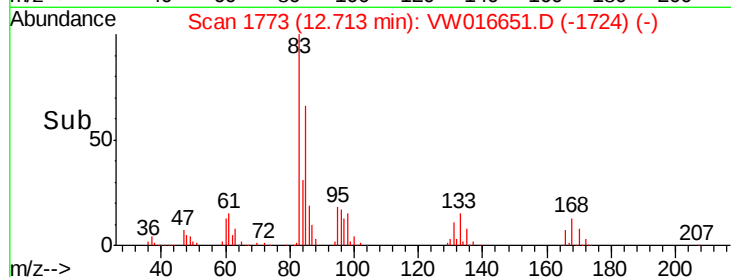
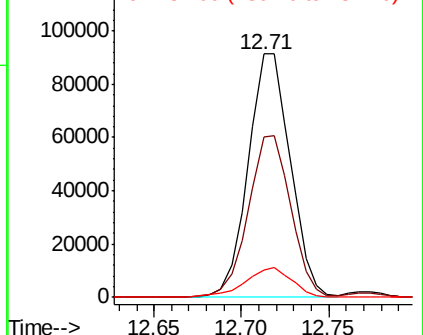
83 100

85 65.6 46.3 85.9

131 11.3 9.3 13.9



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

Bromoform

Concen: 25.113 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

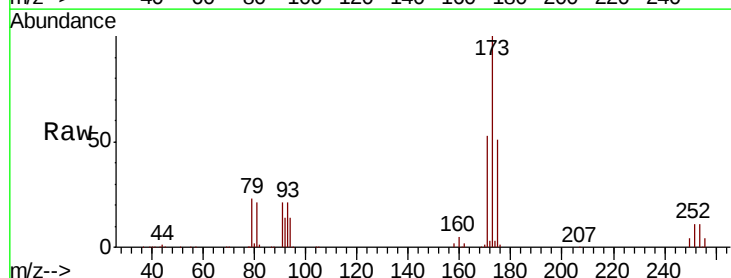
Tgt Ion: 173 Resp: 111753

Ion Ratio Lower Upper

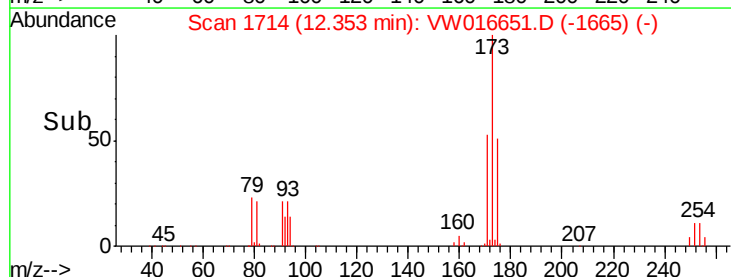
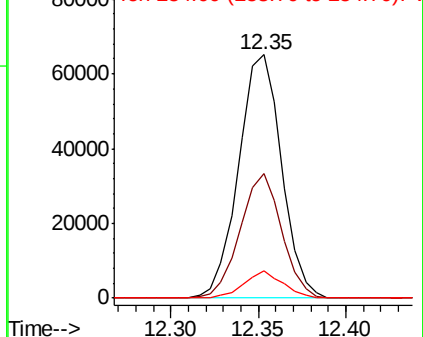
173 100

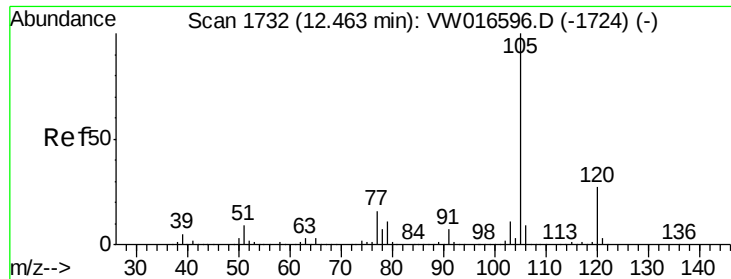
175 49.4 39.7 59.5

254 10.2 8.2 12.2



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





#60

Isopropylbenzene

Concen: 24.358 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

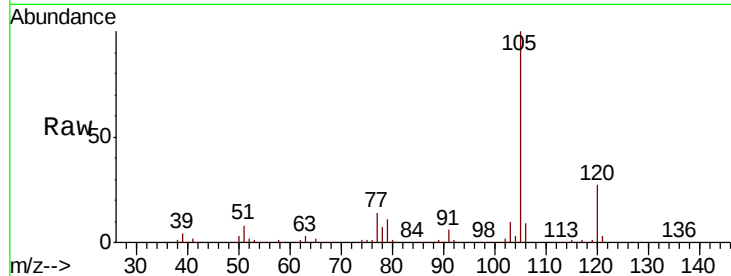
Tot Ion: 105 Resp: 980325

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

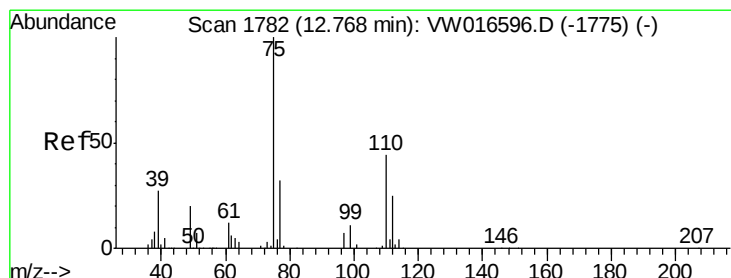
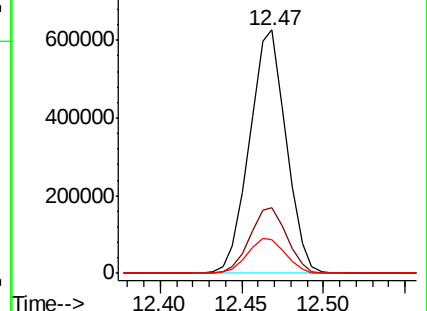
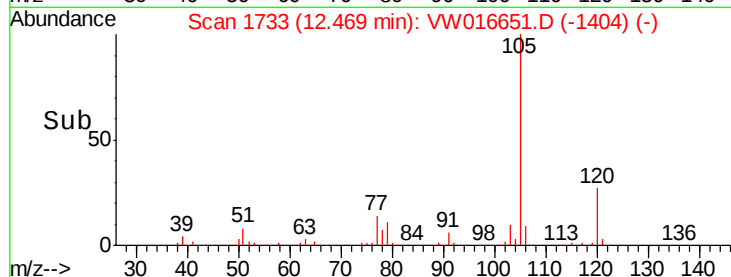
77 14.9 12.1 18.1



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



#61

1,2,3-Trichloropropane

Concen: 24.607 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

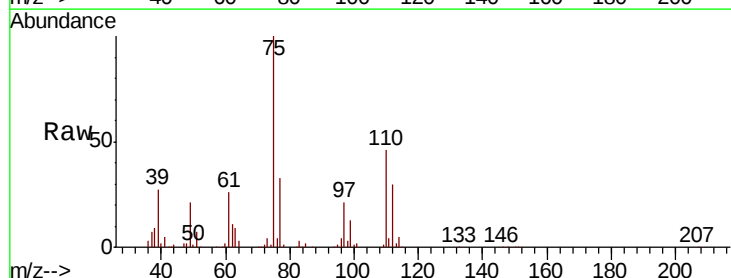
Tgt Ion: 75 Resp: 111783

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.8

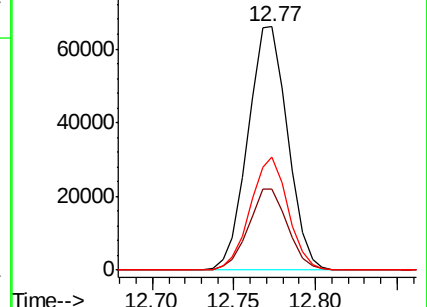
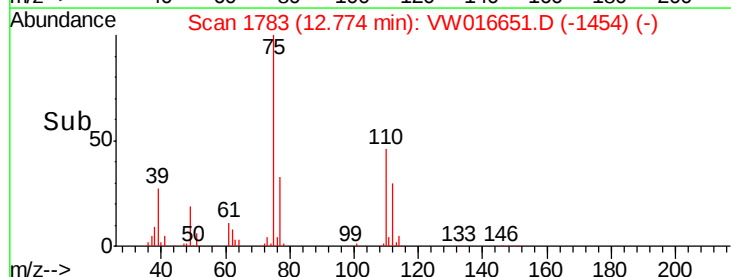
110 44.3 35.8 53.8

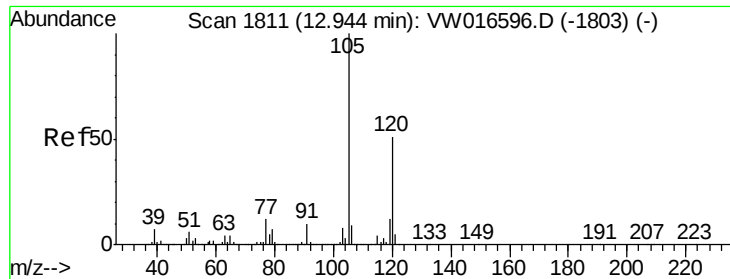


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

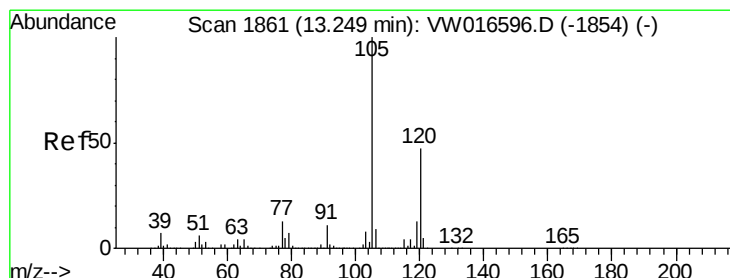
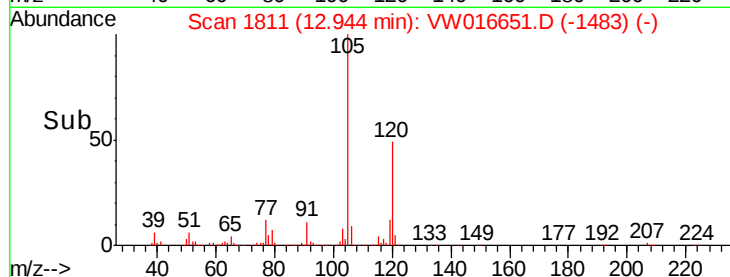
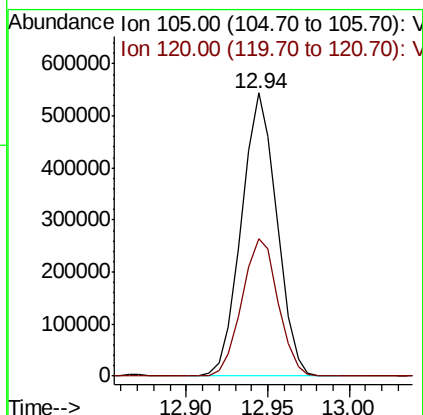
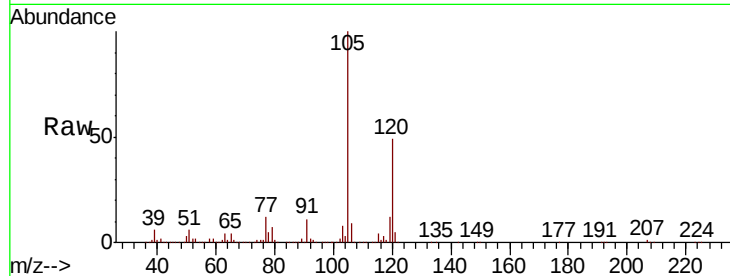




#62
 1,3,5-Trimethylbenzene
 Concen: 24.878 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

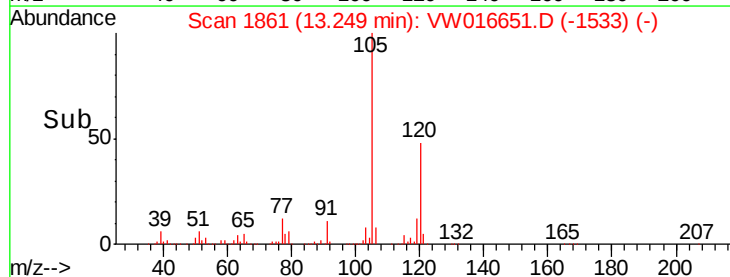
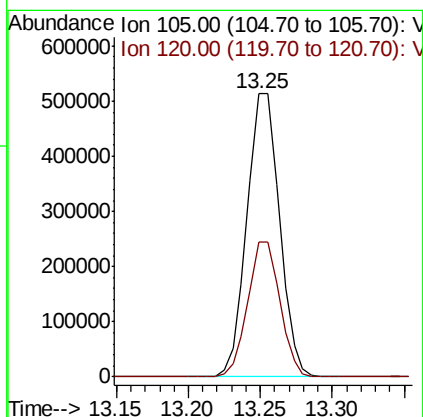
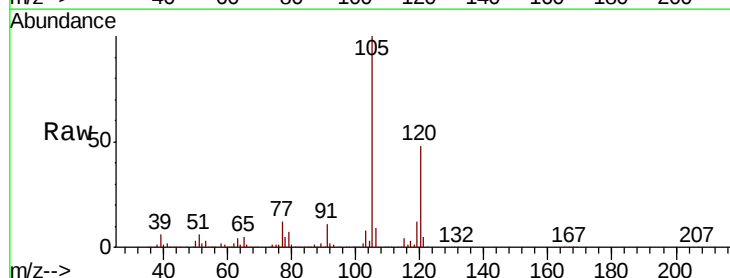
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

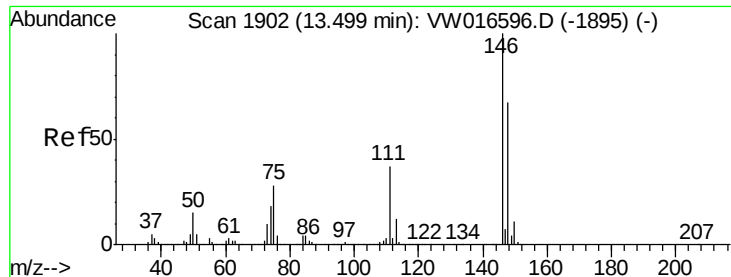
Tot Ion:105 Resp: 823969
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 24.471 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion:105 Resp: 805543
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.4 54.6

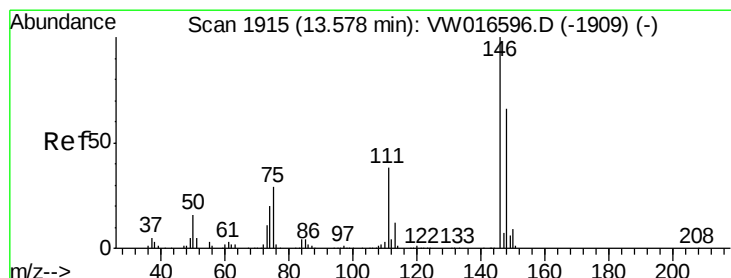
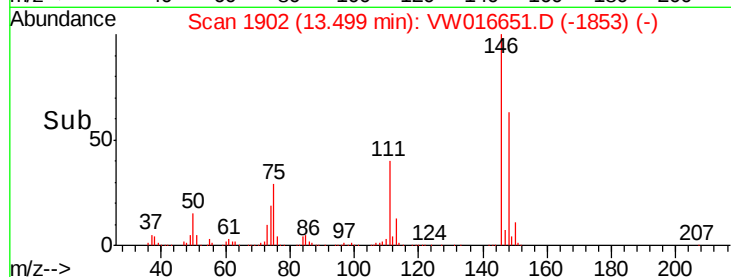
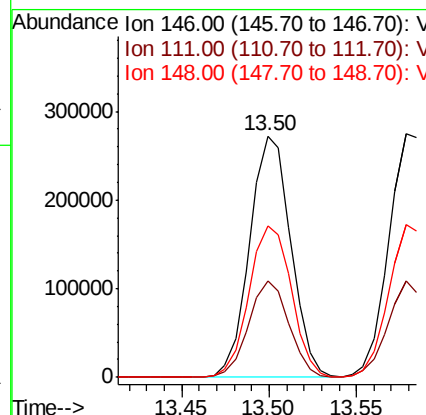
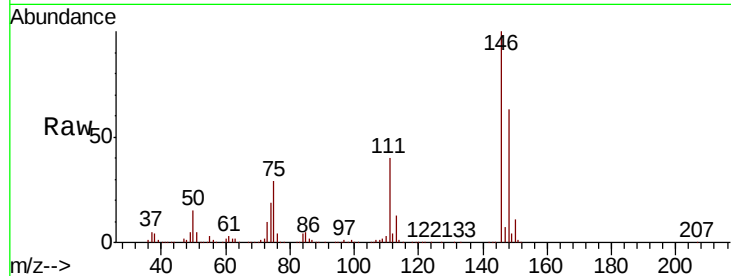




#64
 1,3-Dichlorobenzene
 Concen: 24.141 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

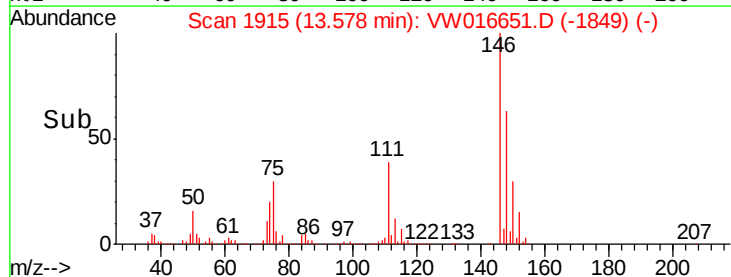
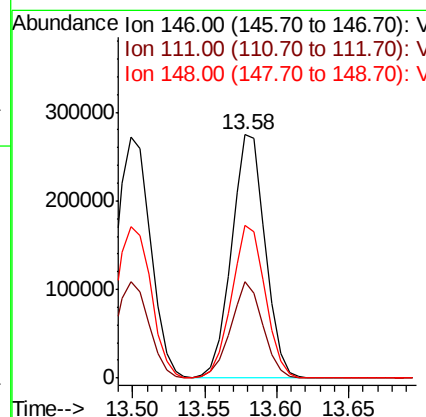
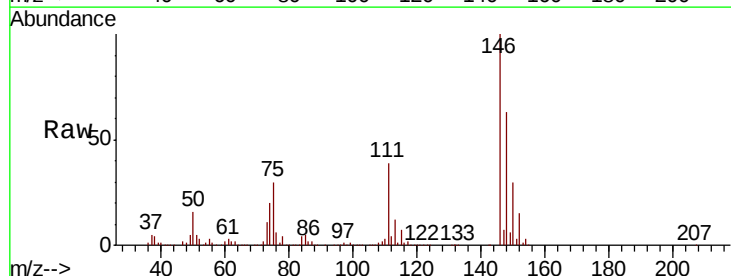
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

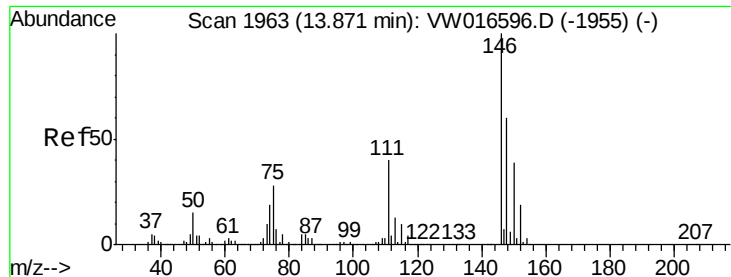
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.5	49.3
148	62.6	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 24.673 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.5	49.3
148	62.9	43.8	81.4





#67

1,2-Dichlorobenzene

Concen: 25.042 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025111

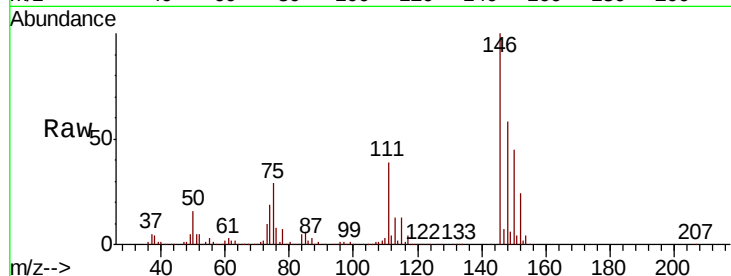
Tot Ion:146 Resp: 409224

Ion Ratio Lower Upper

146 100

111 39.4 32.4 48.6

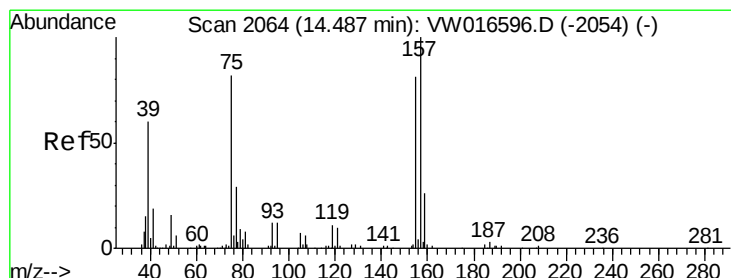
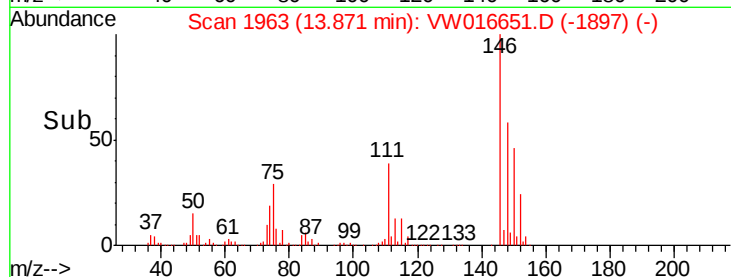
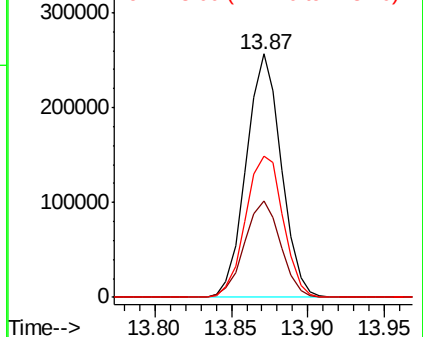
148 58.2 52.2 78.2



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



#68

1,2-Dibromo-3-chloropropane

Concen: 24.202 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016651.D

Acq: 25 Sep 2020 12:40

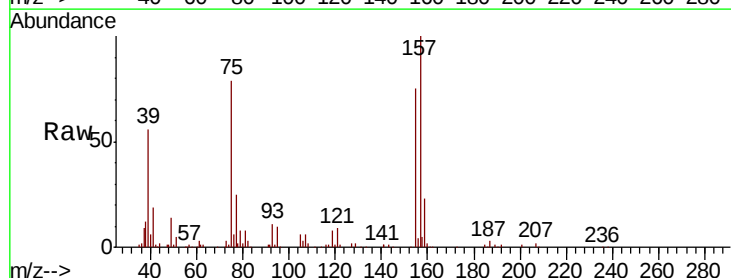
Tgt Ion: 75 Resp: 25843

Ion Ratio Lower Upper

75 100

155 94.6 76.6 115.0

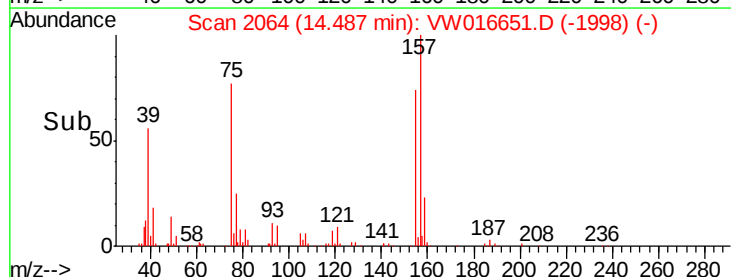
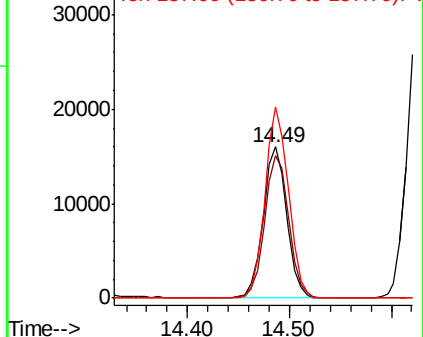
157 126.7 92.0 138.0

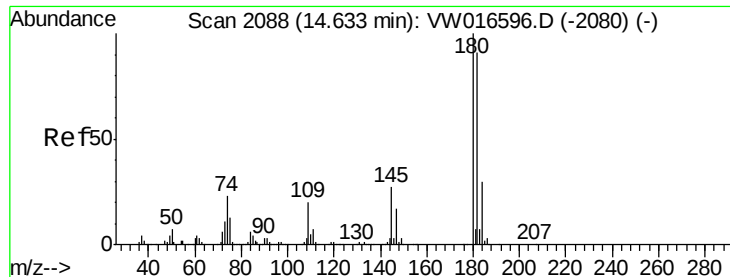


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

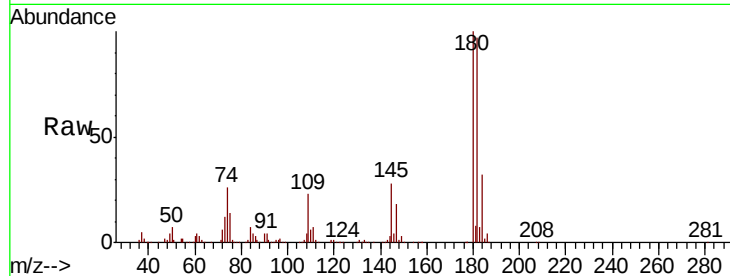




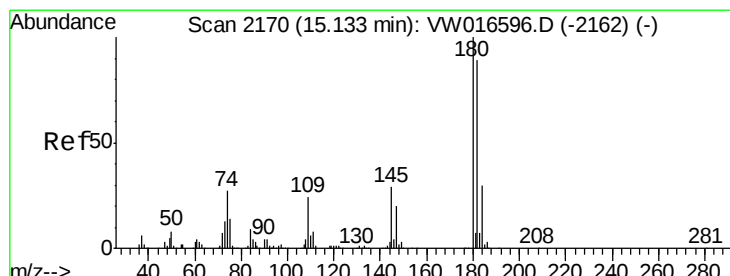
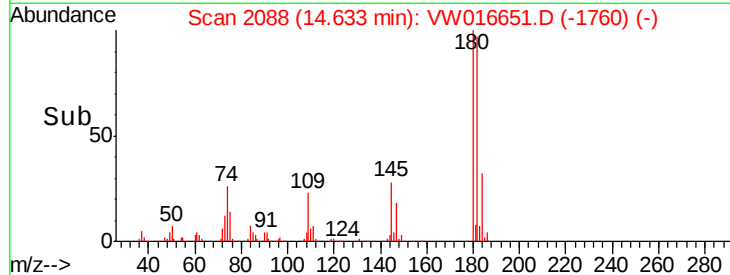
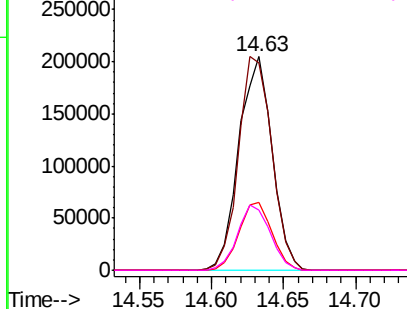
#69
 1,3,5-Trichlorobenzene
 Concen: 24.063 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025111

Tot Ion:180	Resp:	328056
Ion Ratio	Lower	Upper
180	100	
182	100.1	79.0 118.4
184	31.5	24.6 36.8
145	30.1	23.2 34.8

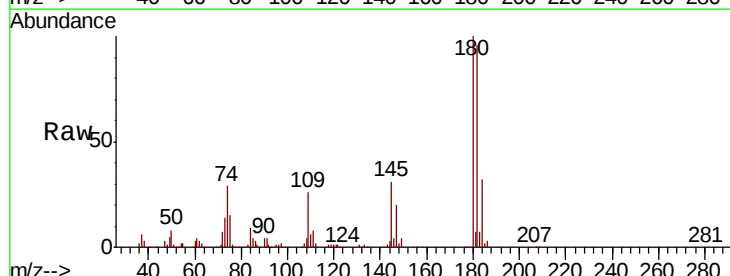


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

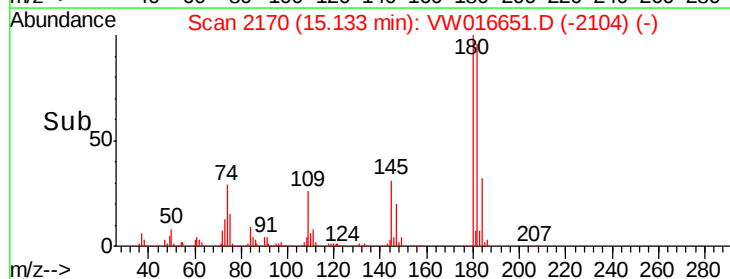
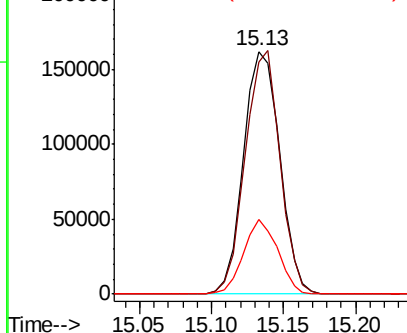


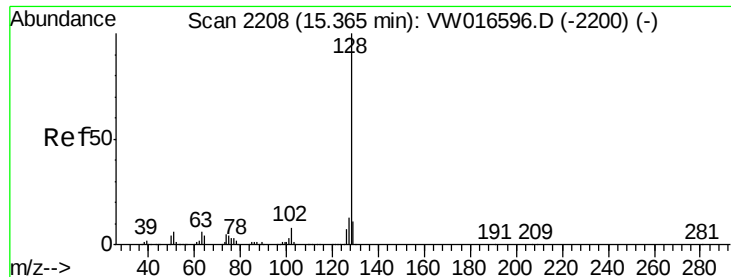
#70
 1,2,4-trichlorobenzene
 Concen: 25.616 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016651.D
 Acq: 25 Sep 2020 12:40

Tgt Ion:180	Resp:	282044
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.1 114.1
145	29.0	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

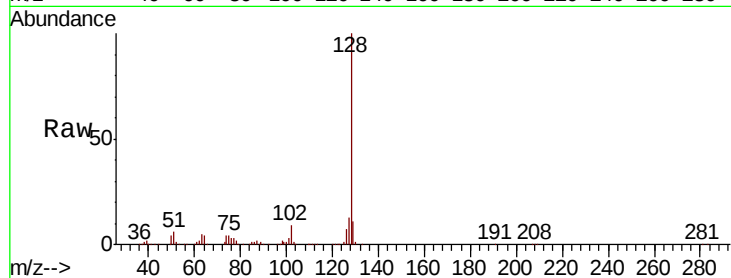




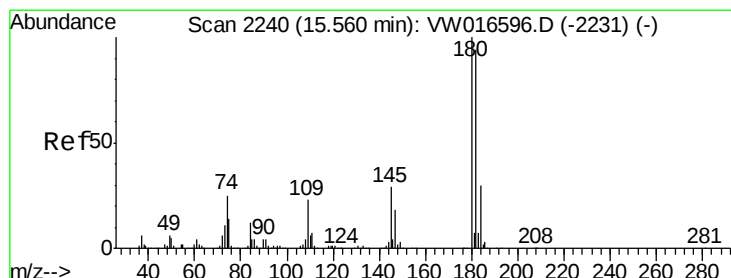
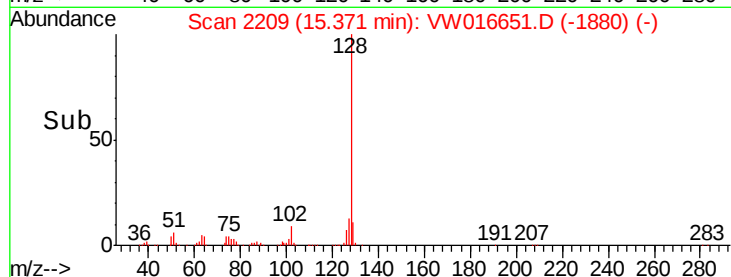
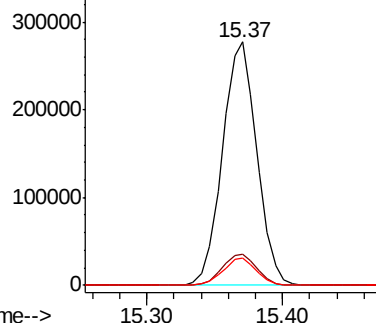
#71
Naphthalene
Concen: 26.570 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD025111

Tot Ion:128 Resp: 490946
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.9 9.0 13.4

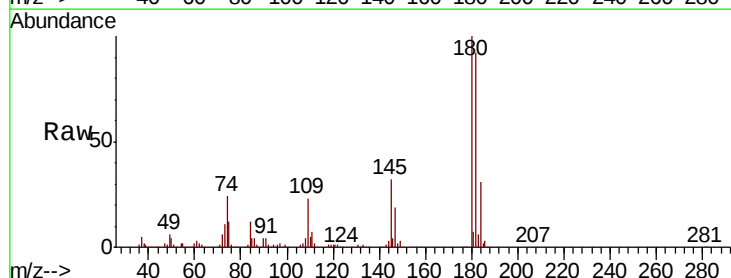


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 25.889 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW016651.D
Acq: 25 Sep 2020 12:40

Tgt Ion:180 Resp: 239337
Ion Ratio Lower Upper
180 100
182 96.7 75.5 113.3
145 32.4 24.3 36.5



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

