

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110220\
 Data File : VW017037.D
 Acq On : 02 Nov 2020 09:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Nov 03 04:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 03:51:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	508043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	452608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	230452	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	124414	21.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.88%
7) Chloroethane-d5	2.90	69	108694	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	4.03	63	283253	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.36%
20) 2-Butanone-d5	7.09	46	57751	52.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.58%
24) Chloroform-d	7.65	84	303376	25.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.56%
26) 1,2-Dichloroethane-d4	8.31	65	138063	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.28	84	590830	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	9.28	67	164636	26.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.92%
37) Toluene-d8	10.33	98	548139	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	10.58	79	68791	25.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.32%
39) 2-Hexanone-d5	10.93	63	48274	54.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126035	26.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	202128	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	135275	23.344	ug/L 99
3) Chloromethane	2.22	50	128597	25.711	ug/L 99
5) Vinyl chloride	2.37	62	194371	26.532	ug/L 99
6) Bromomethane	2.79	94	131633	26.456	ug/L 99
8) Chloroethane	2.93	64	117048	27.763	ug/L 99
9) Trichlorofluoromethane	3.27	101	179616	30.912	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	190450	27.195	ug/L 100
12) 1,1-Dichloroethene	4.05	96	183764	27.631	ug/L 86
13) Acetone	4.14	43	39916	53.707	ug/L 99
14) Carbon disulfide	4.39	76	530846	26.329	ug/L 100
15) Methyl Acetate	4.68	43	51089	26.329	ug/L 98
16) Methylene chloride	4.92	84	178243	26.536	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	199926	27.578	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	189357	27.224	ug/L 98
19) 1,1-Dichloroethane	6.22	63	295536	27.745	ug/L 99
21) 2-Butanone	7.18	43	61798	49.684	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	192721	27.406	ug/L 98

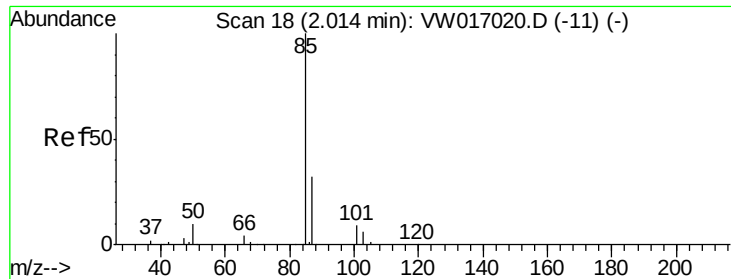
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110220\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	88016	27.114	ug/L	98
25) Chloroform	7.68	83	313216	27.622	ug/L	100
27) 1,2-Dichloroethane	8.40	62	172302	26.682	ug/L	97
30) Cyclohexane	7.96	56	260890	27.555	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	279409	28.514	ug/L	99
32) Carbon tetrachloride	8.07	117	271276	28.842	ug/L	98
34) Benzene	8.33	78	696863	27.870	ug/L	100
35) Trichloroethene	9.10	95	191160	27.605	ug/L	98
36) Methylcyclohexane	9.34	83	320293	27.541	ug/L	99
40) 1,2-Dichloropropane	9.37	63	157015	28.119	ug/L	100
41) Bromodichloromethane	9.65	83	215566	28.443	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	246661	28.249	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	138061	52.159	ug/L	100
44) Toluene	10.39	91	763887	28.198	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	206203	28.508	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	120317	26.919	ug/L	98
47) Tetrachloroethene	10.87	164	172761	27.121	ug/L	96
49) 2-Hexanone	10.97	43	89434	53.017	ug/L	100
50) Dibromochloromethane	11.13	129	156266	28.700	ug/L	95
51) 1,2-Dibromoethane	11.24	107	116889	27.431	ug/L	98
52) Chlorobenzene	11.66	112	497391	27.466	ug/L	98
53) Ethylbenzene	11.73	91	848370	27.886	ug/L	99
54) m,p-Xylene	11.84	106	333691	27.880	ug/L	96
55) o-xylene	12.17	106	313812	28.304	ug/L	96
56) Styrene	12.18	104	525813	28.348	ug/L	97
57) Isopropylbenzene	12.47	105	862945	28.139	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	129776	27.052	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	91199	26.564	ug/L	99
62) Bromoform	12.35	173	87379	26.983	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	395201	26.577	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	386631	26.084	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	353723	26.966	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	18264	25.596	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	300821	27.640	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	234868	27.841	ug/L	98
69) Naphthalene	15.37	128	365660	26.723	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	190981	25.979	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.344 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

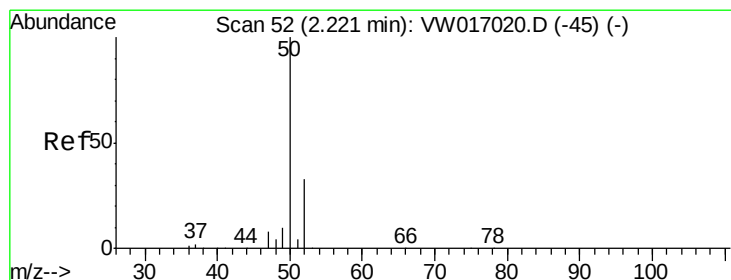
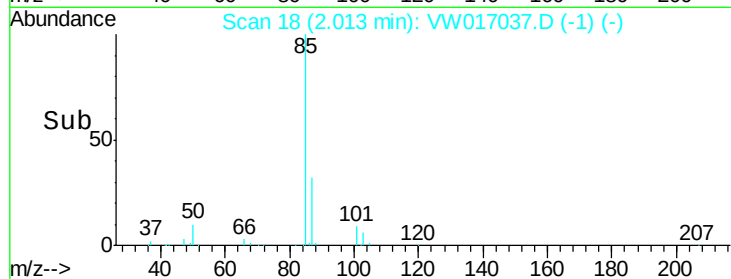
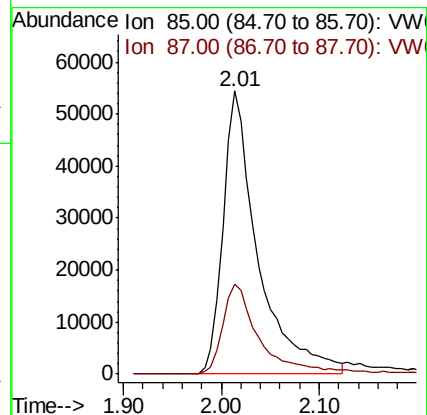
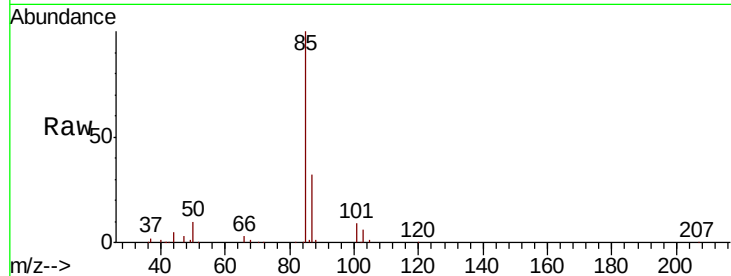
VSTD02509

Tot Ion: 85 Resp: 135275

Ion Ratio Lower Upper

85 100

87 32.8 22.4 41.6



#3

Chloromethane

Concen: 25.711 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017037.D

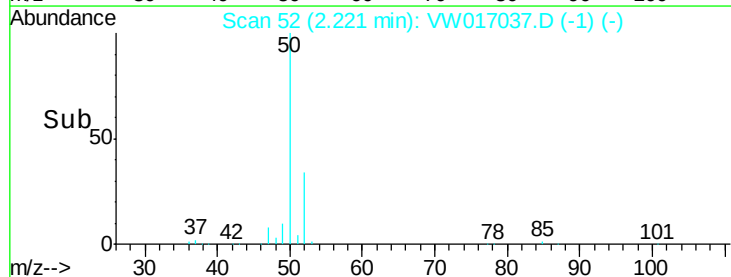
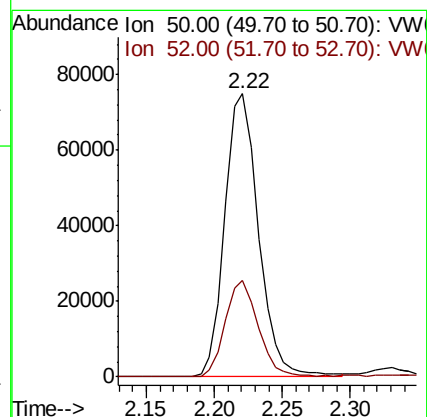
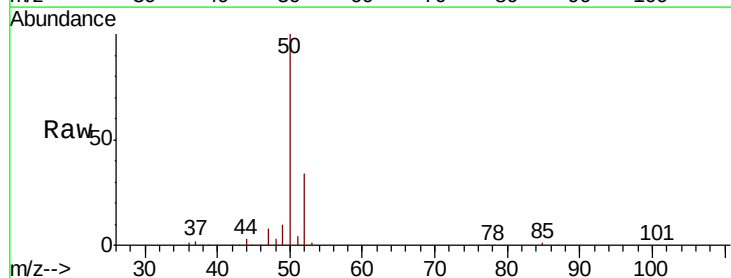
Acq: 02 Nov 2020 09:37

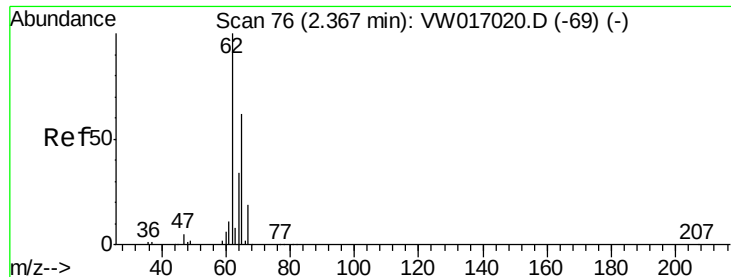
Tgt Ion: 50 Resp: 128597

Ion Ratio Lower Upper

50 100

52 34.3 23.5 43.7





#5

Vinyl chloride

Concen: 26.532 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampled :

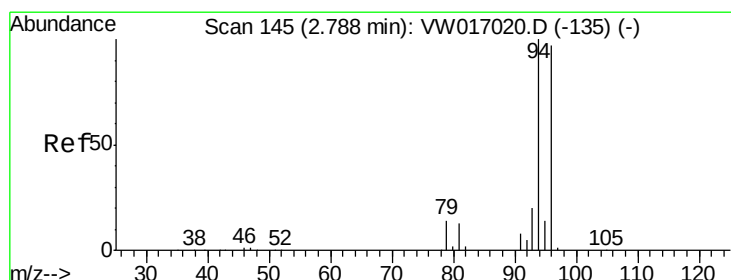
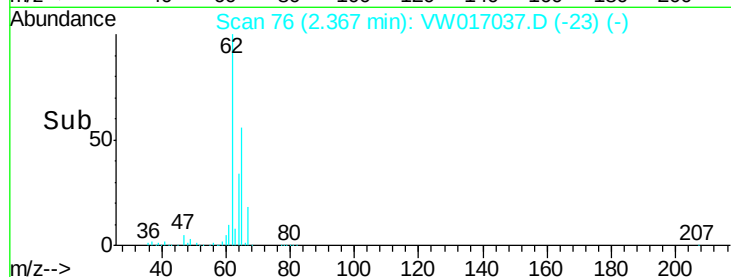
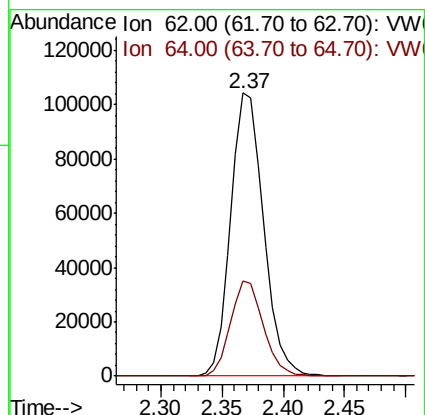
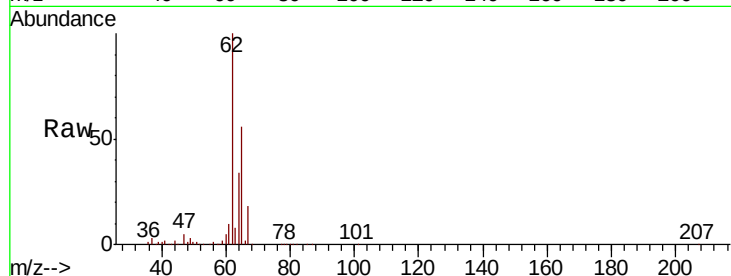
VSTD02509

Tot Ion: 62 Resp: 194371

Ion Ratio Lower Upper

62 100

64 33.8 24.1 44.7



#6

Bromomethane

Concen: 26.456 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017037.D

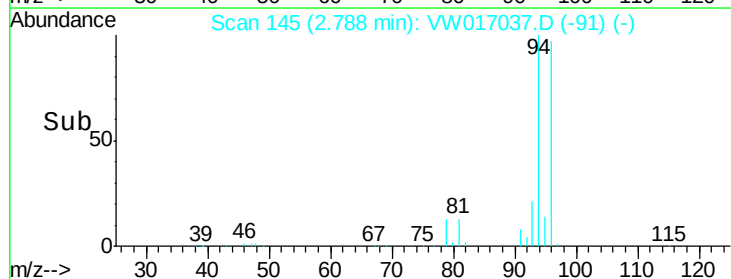
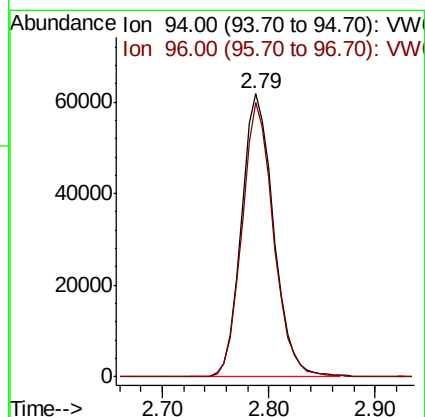
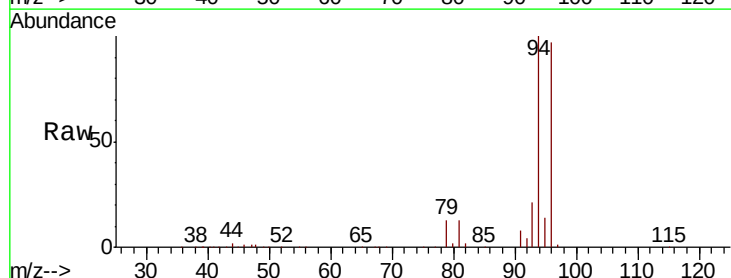
Acq: 02 Nov 2020 09:37

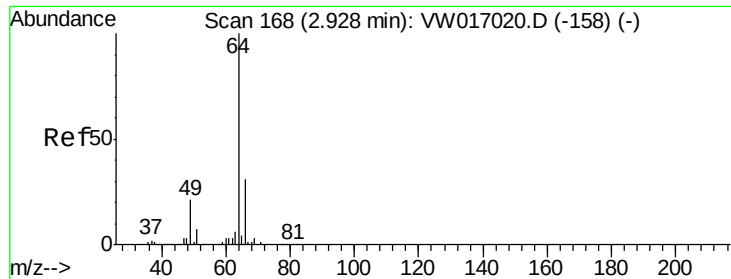
Tgt Ion: 94 Resp: 131633

Ion Ratio Lower Upper

94 100

96 94.9 9.4 178.8

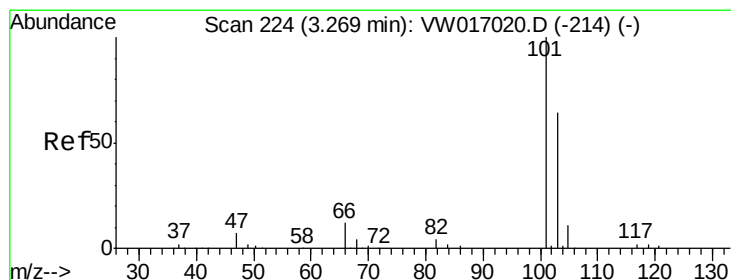
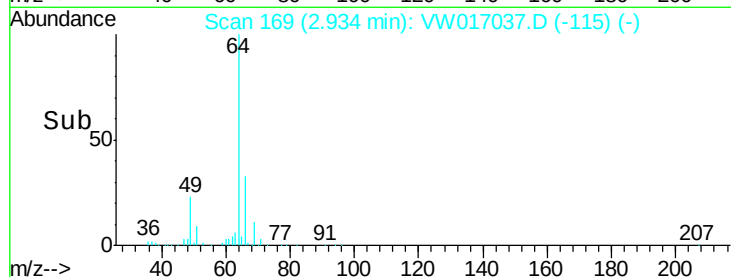
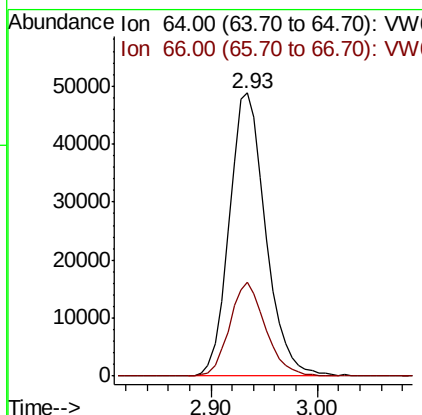
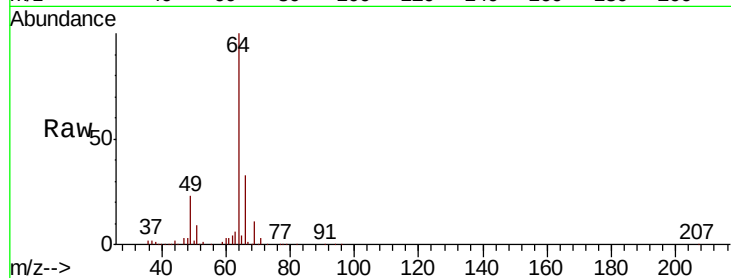




#8
Chloroethane
Concen: 27.763 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

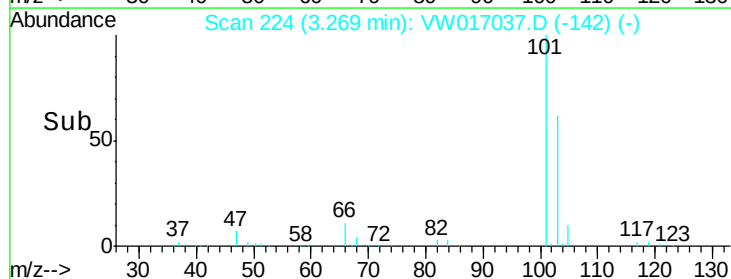
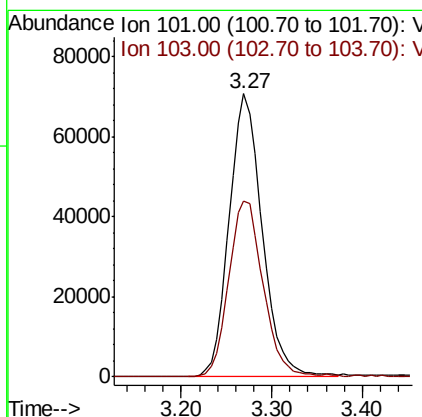
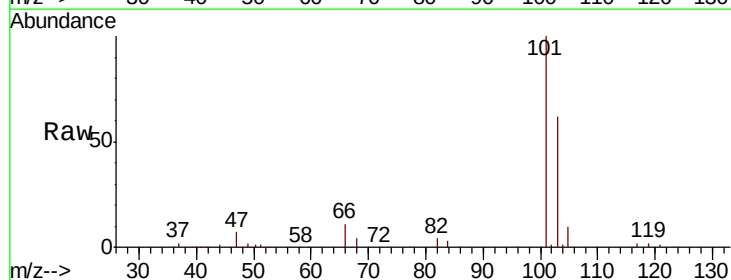
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

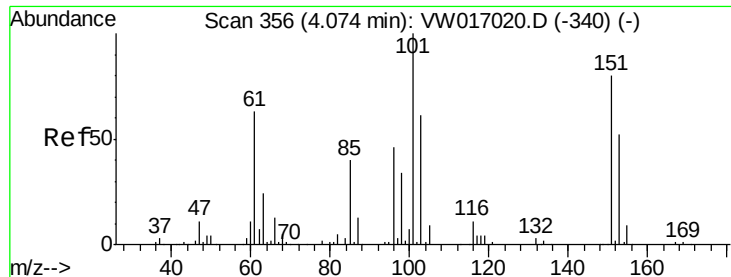
Tot Ion: 64 Resp: 117048
Ion Ratio Lower Upper
64 100
66 33.1 23.4 43.6



#9
Trichlorofluoromethane
Concen: 30.912 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 101 Resp: 179616
Ion Ratio Lower Upper
101 100
103 64.3 44.9 83.5





#11

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

Concen: 27.195 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

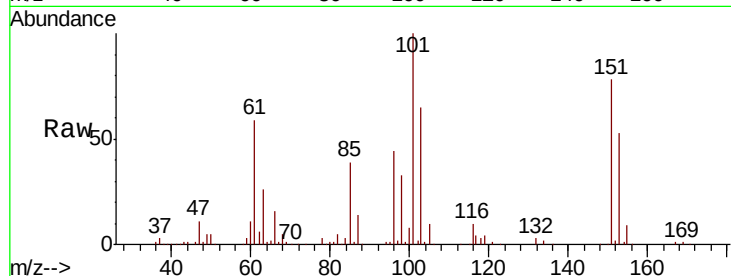
Tot Ion:101 Resp: 190450

Ion Ratio Lower Upper

101 100

85 40.5 32.5 48.7

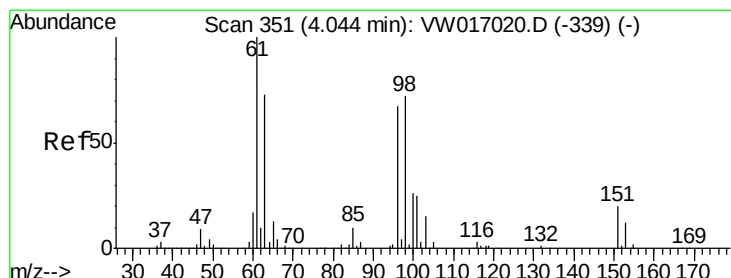
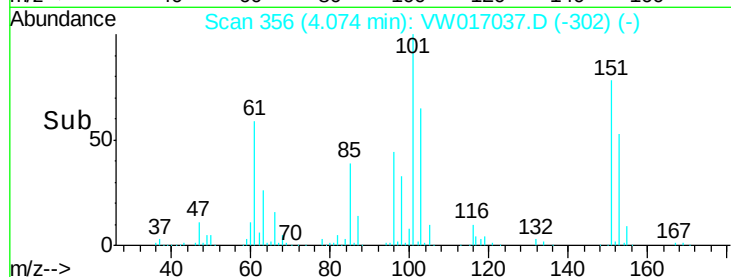
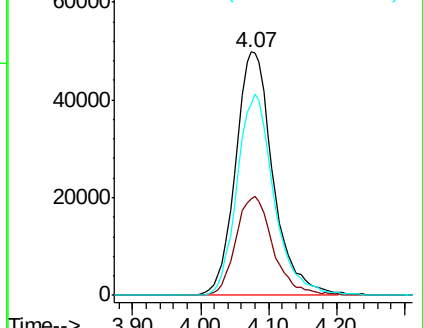
151 81.7 65.7 98.5



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: 27.631 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

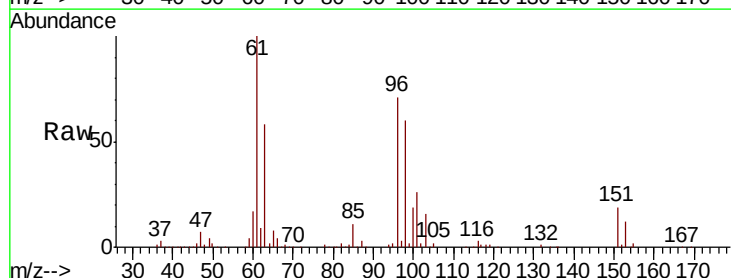
Tgt Ion: 96 Resp: 183764

Ion Ratio Lower Upper

96 100

61 141.1 101.4 188.4

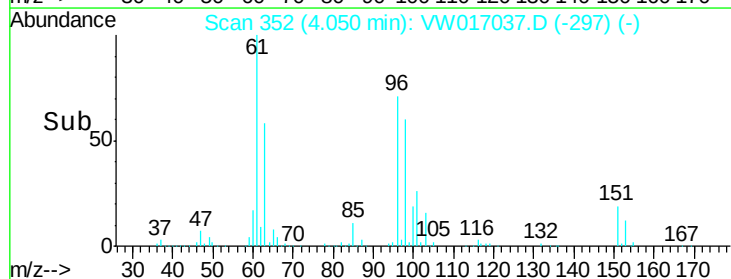
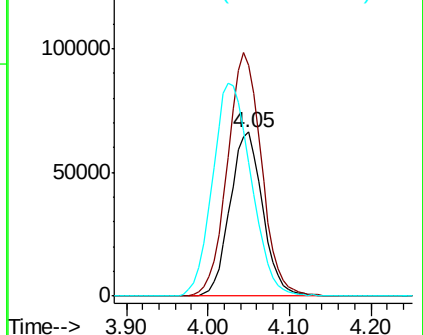
63 81.7 78.5 145.9

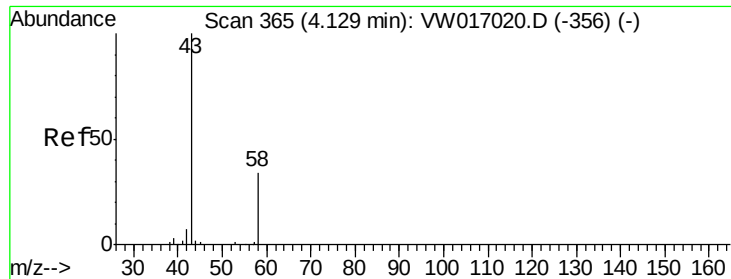


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.707 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

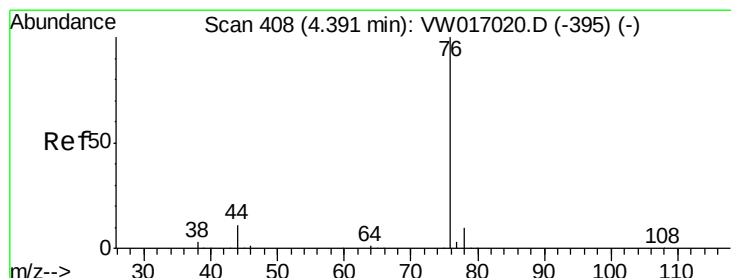
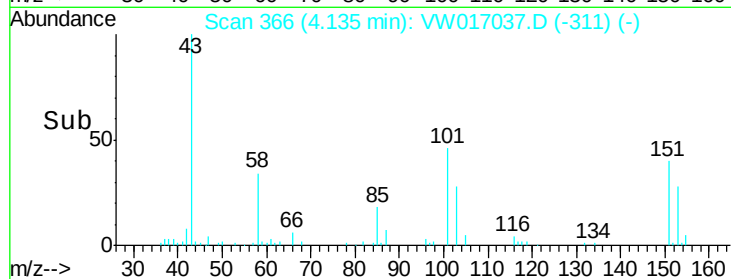
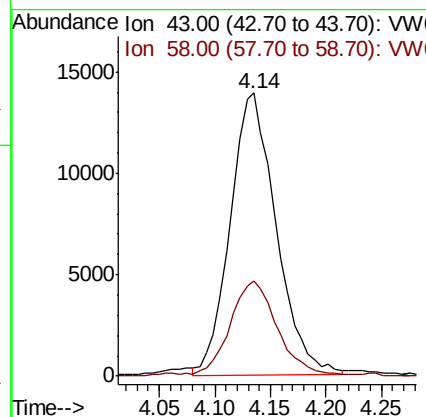
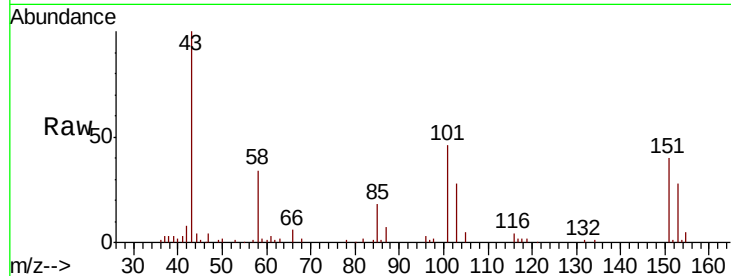
VSTD02509

Tot Ion: 43 Resp: 39916

Ion Ratio Lower Upper

43 100

58 34.6 0.0 69.8



#14

Carbon disulfide

Concen: 26.329 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017037.D

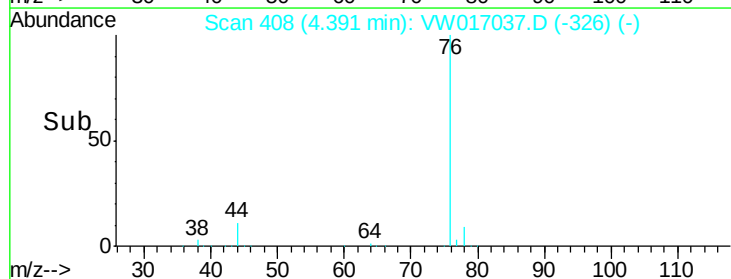
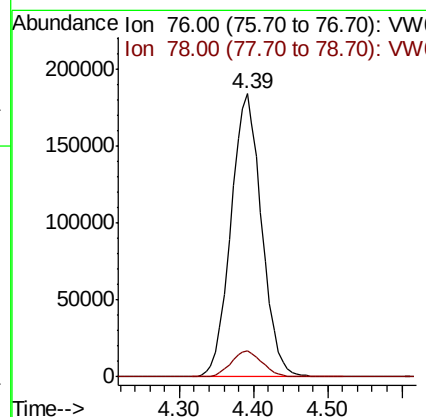
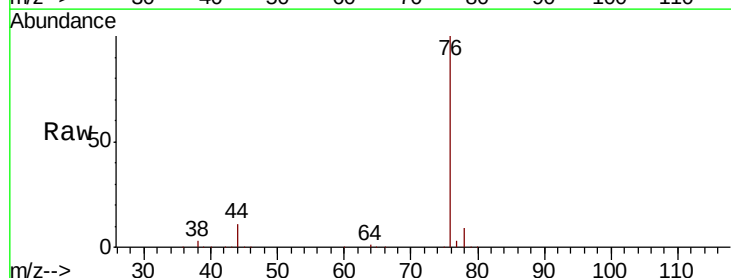
Acq: 02 Nov 2020 09:37

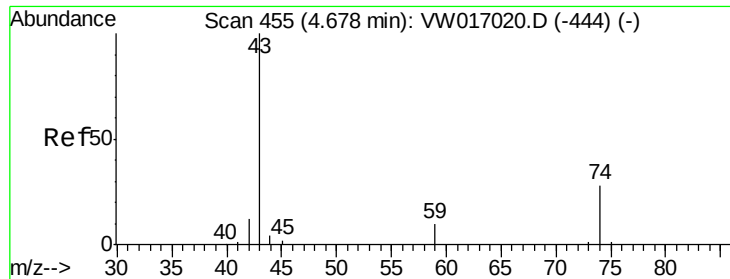
Tgt Ion: 76 Resp: 530846

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

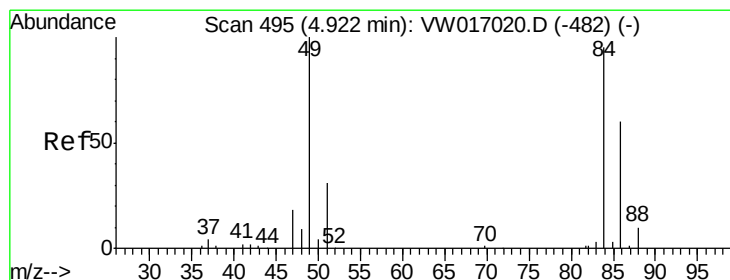
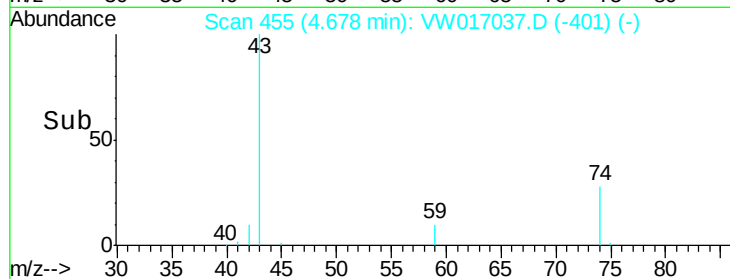
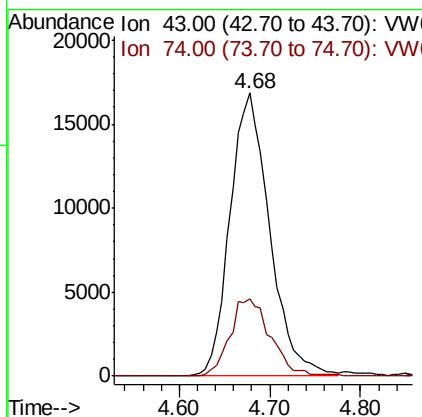
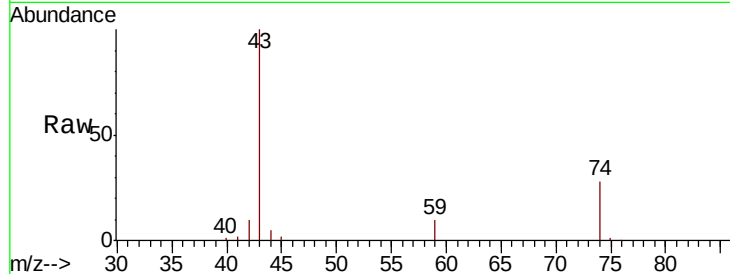




#15
Methvl Acetate
Concen: 26.329 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

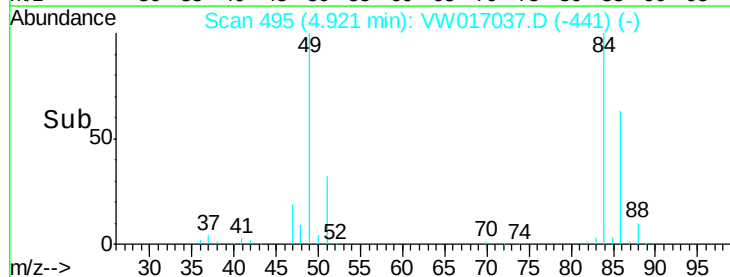
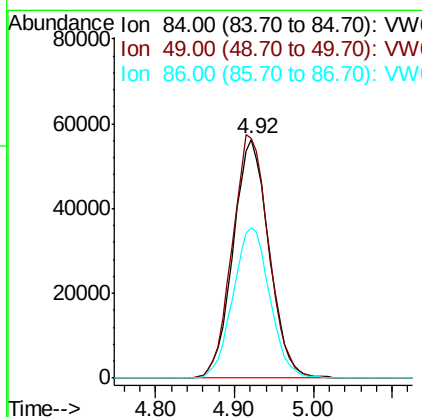
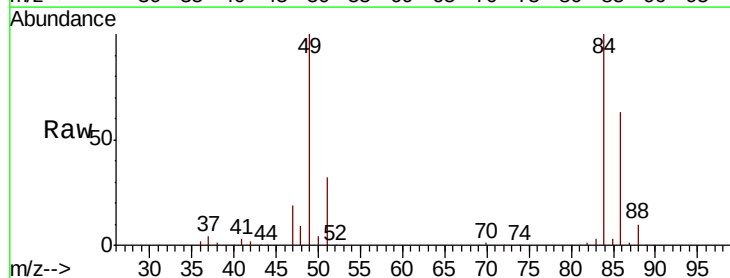
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

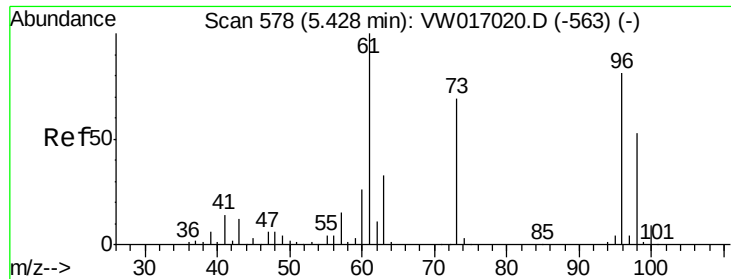
Tot Ion: 43 Resp: 51089
Ion Ratio Lower Upper
43 100
74 27.3 22.8 34.2



#16
Methylene chloride
Concen: 26.536 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 84 Resp: 178243
Ion Ratio Lower Upper
84 100
49 100.2 73.8 137.0
86 62.8 47.4 88.0

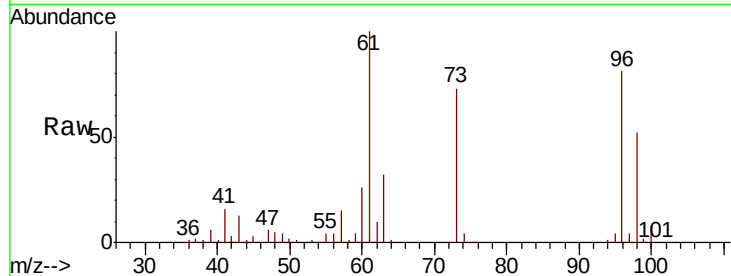




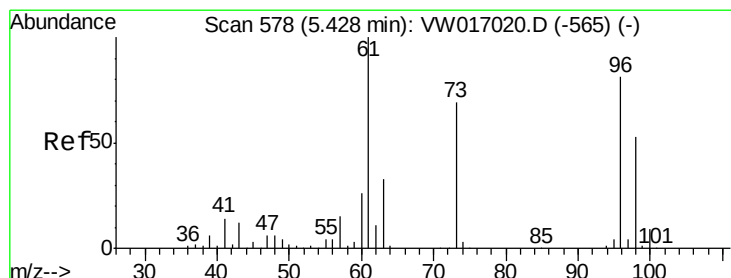
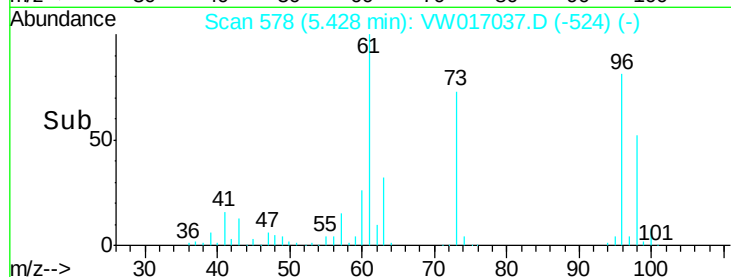
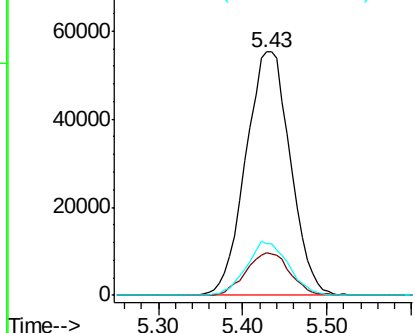
#17
Methyl tert-butyl Ether
Concen: 27.578 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion: 73 Resp: 199926
Ion Ratio Lower Upper
73 100
43 17.4 14.4 21.6
57 20.7 16.6 25.0

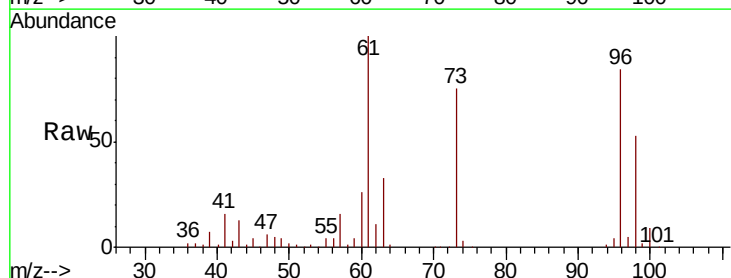


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

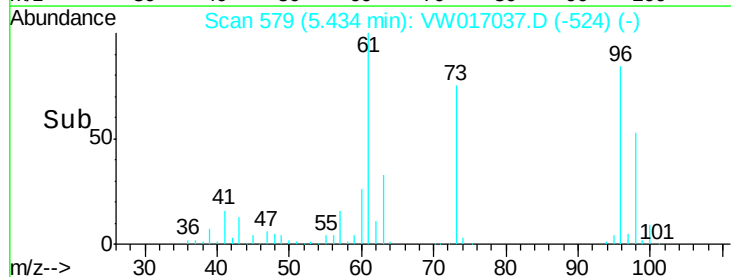
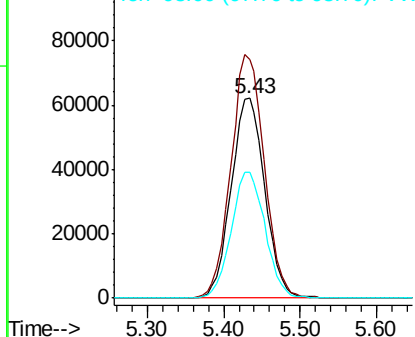


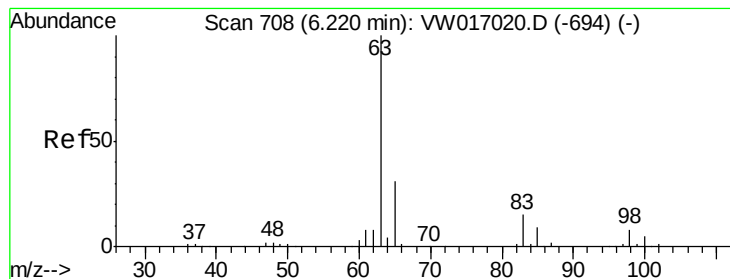
#18
trans-1,2-Dichloroethene
Concen: 27.224 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 96 Resp: 189357
Ion Ratio Lower Upper
96 100
61 119.3 82.7 153.7
98 63.2 42.6 79.0



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: 27.745 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

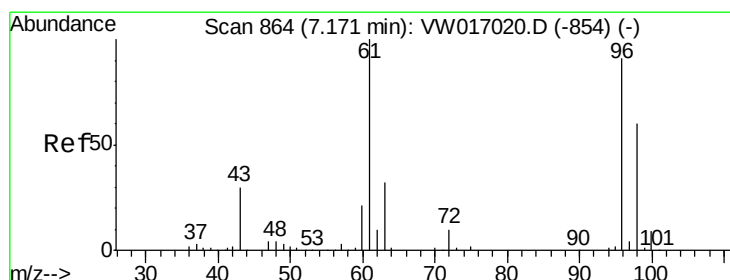
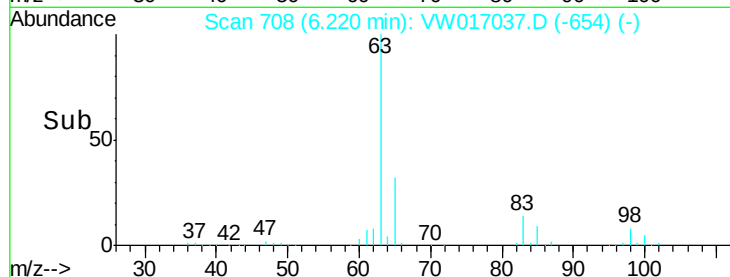
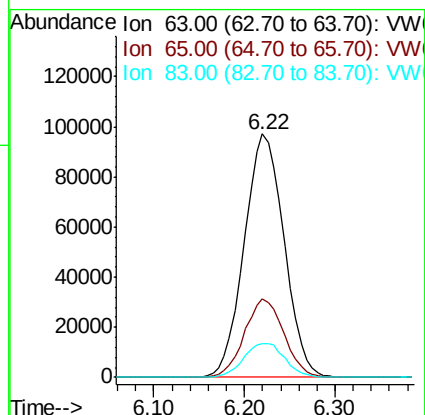
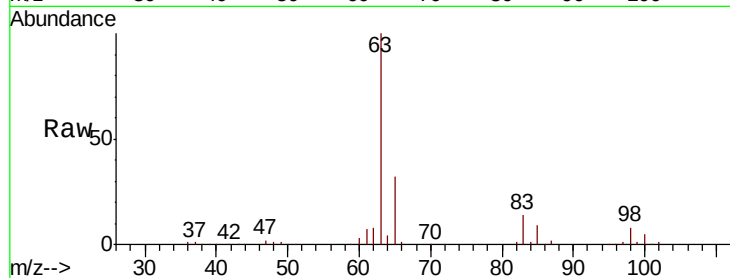
Tot Ion: 63 Resp: 295536

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.9

83 14.0 10.1 18.9



#21

2-Butanone

Concen: 49.684 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017037.D

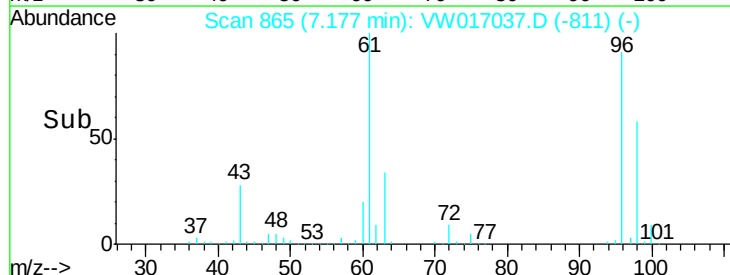
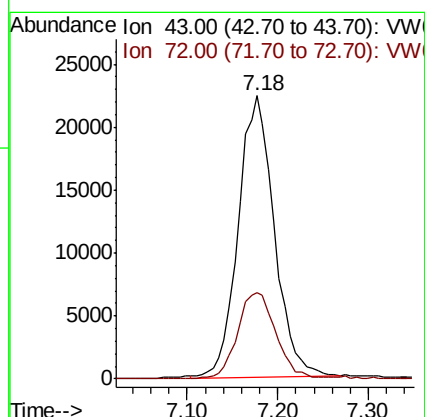
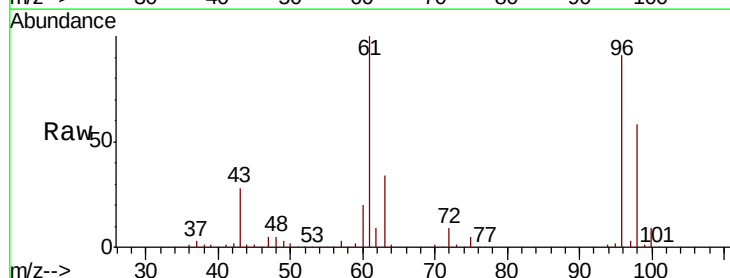
Acq: 02 Nov 2020 09:37

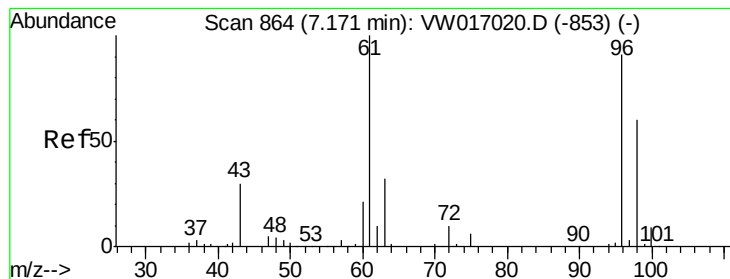
Tgt Ion: 43 Resp: 61798

Ion Ratio Lower Upper

43 100

72 32.5 16.1 48.2



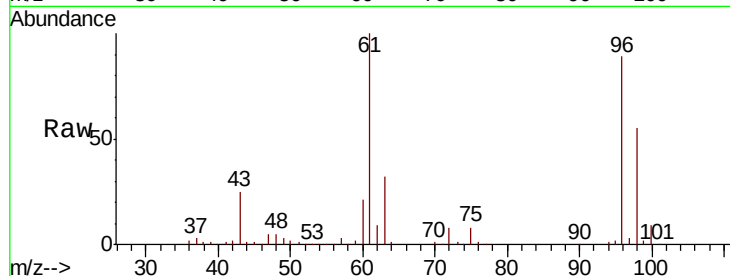


#22

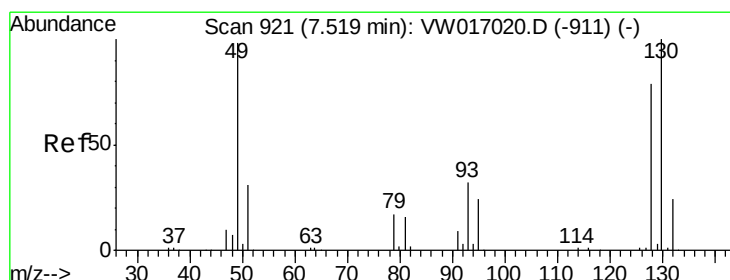
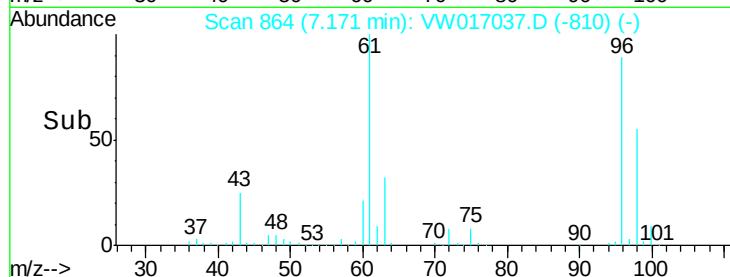
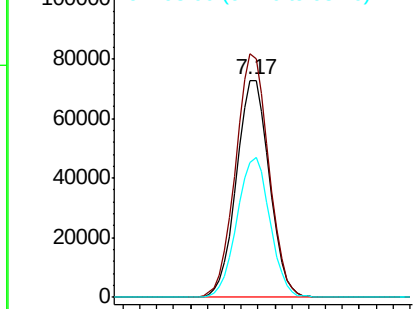
cis-1,2-Dichloroethene
Concen: 27.406 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampled :
VSTD02509

Tot Ion: 96 Resp: 192721
Ion Ratio Lower Upper
96 100
61 112.3 77.4 143.8
98 62.1 44.4 82.5



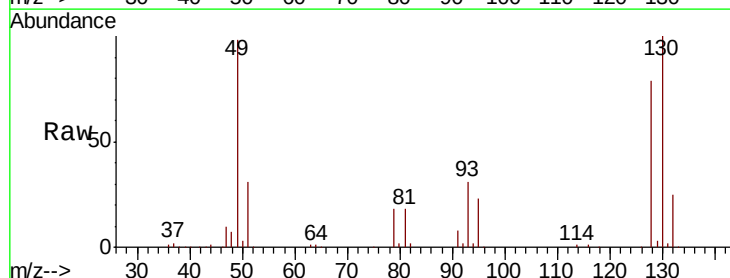
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



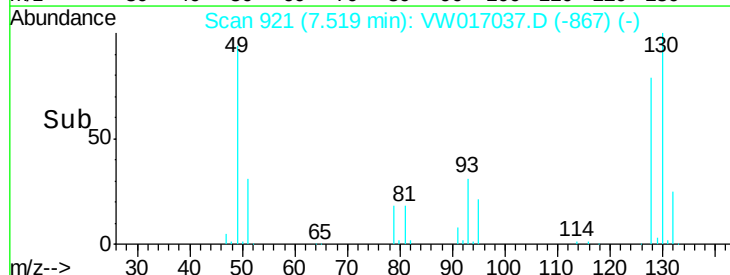
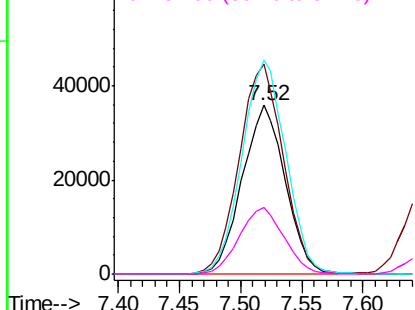
#23

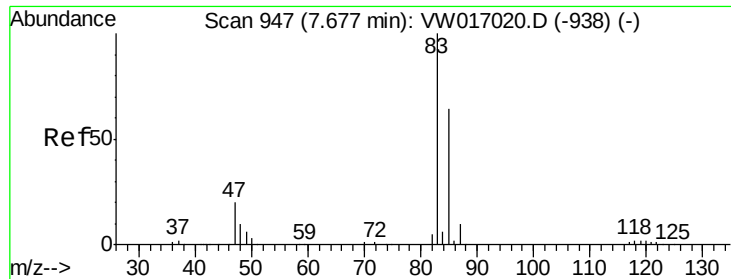
Bromochloromethane
Concen: 27.114 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 128 Resp: 88016
Ion Ratio Lower Upper
128 100
49 124.2 86.4 160.4
130 126.7 86.4 160.4
51 39.5 30.9 46.3



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

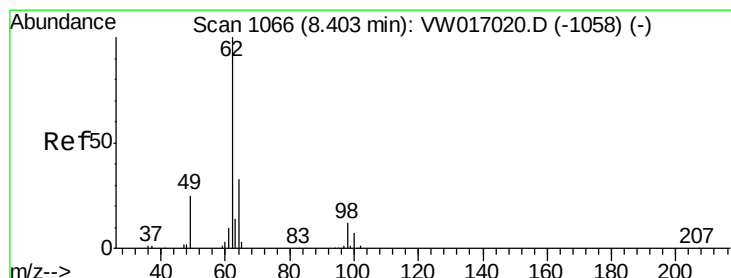
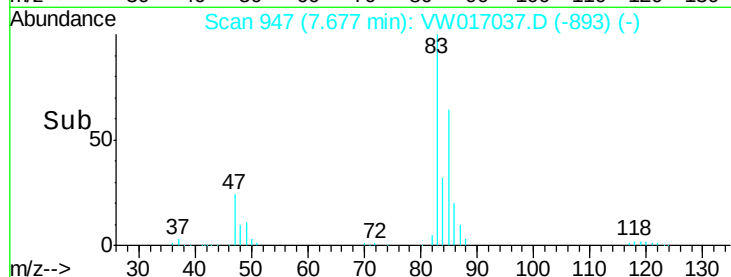
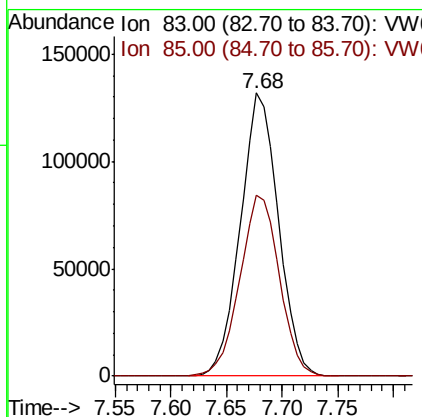
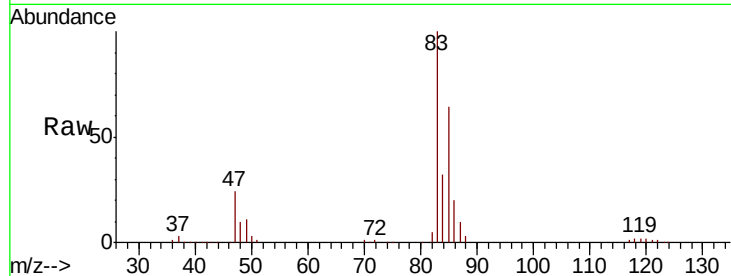




#25
Chloroform
Concen: 27.622 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

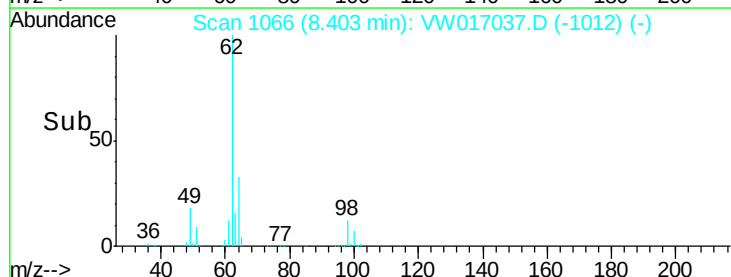
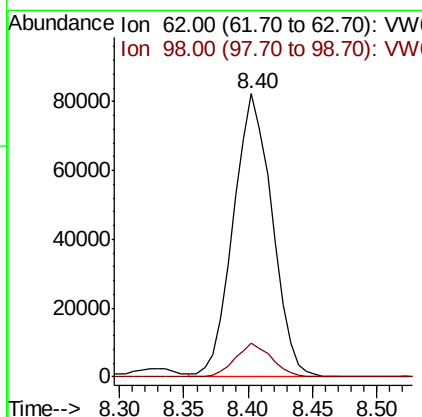
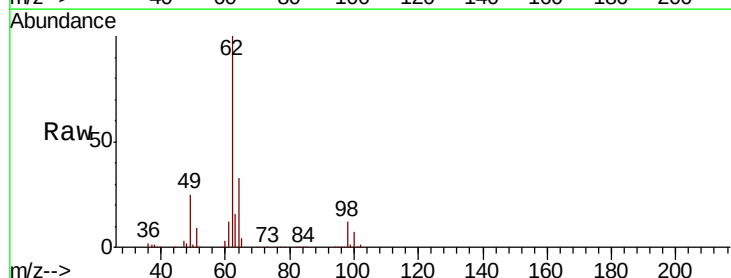
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

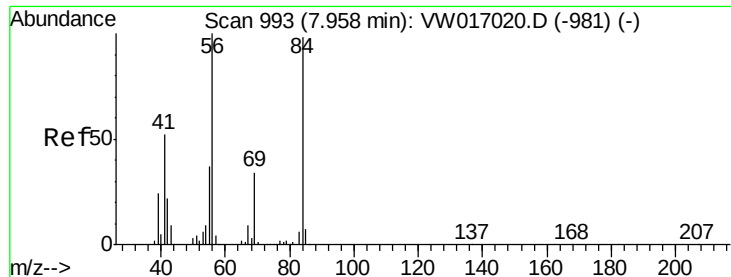
Tot Ion: 83 Resp: 313216
Ion Ratio Lower Upper
83 100
85 66.5 46.6 86.6



#27
1,2-Dichloroethane
Concen: 26.682 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 62 Resp: 172302
Ion Ratio Lower Upper
62 100
98 11.7 8.5 12.7

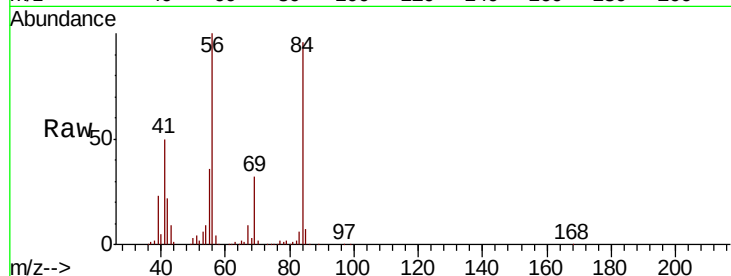




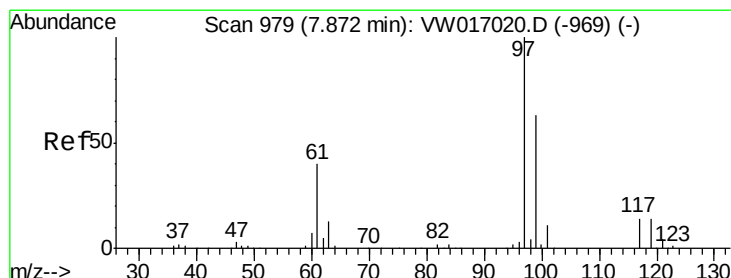
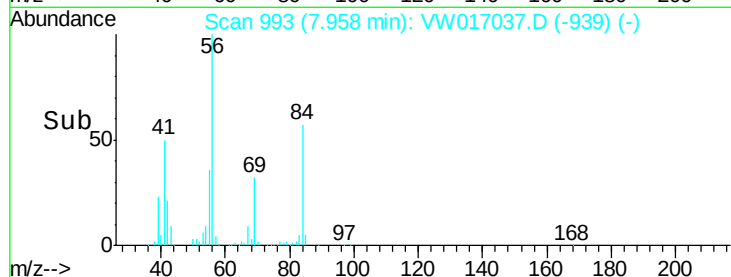
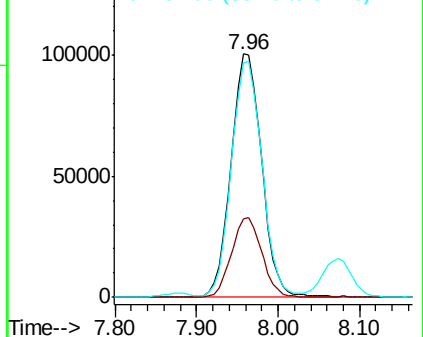
#30
Cyclohexane
Concen: 27.555 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.0	39.0
84	97.5	78.6	118.0

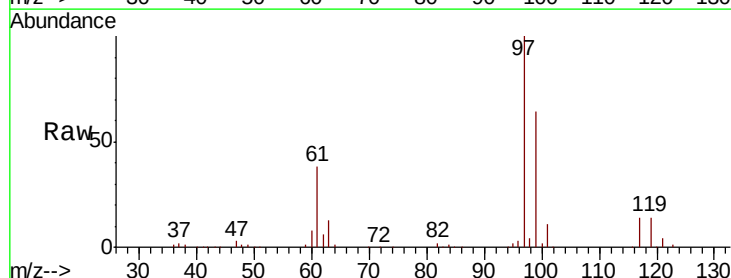


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

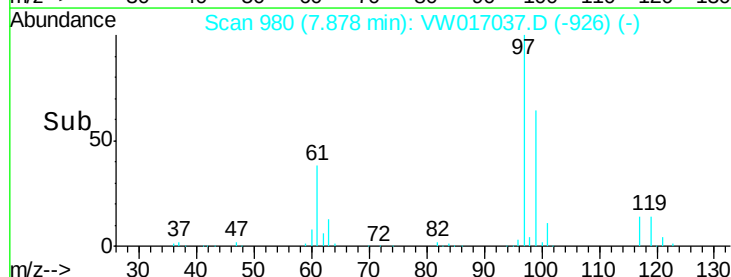
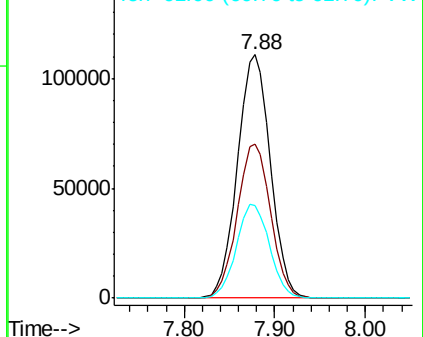


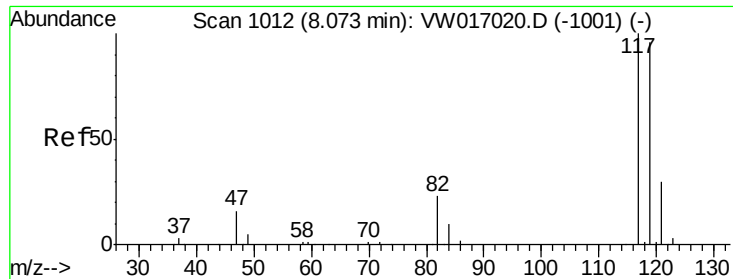
#31
1,1,1-Trichloroethane
Concen: 28.514 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	39.0	31.8	47.8



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: 28.842 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

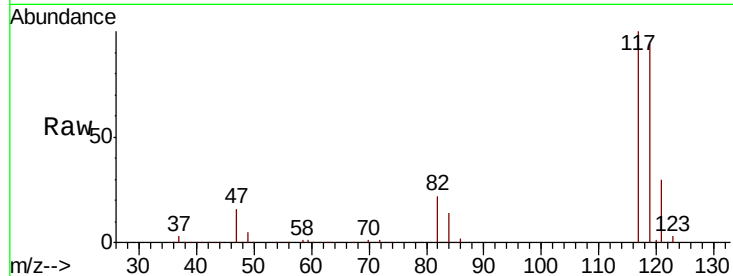
VSTD02509

Tot Ion:117 Resp: 271276

Ion Ratio Lower Upper

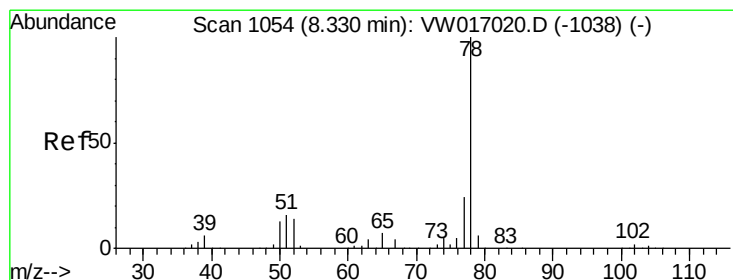
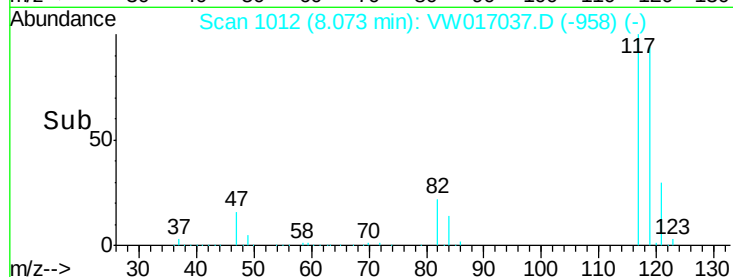
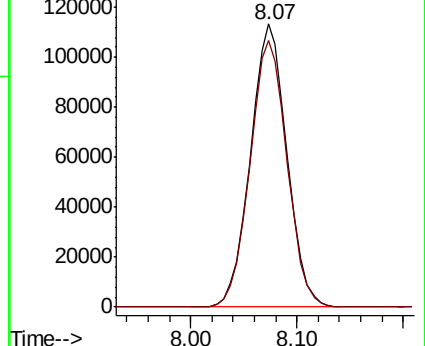
117 100

119 95.8 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.870 ug/L

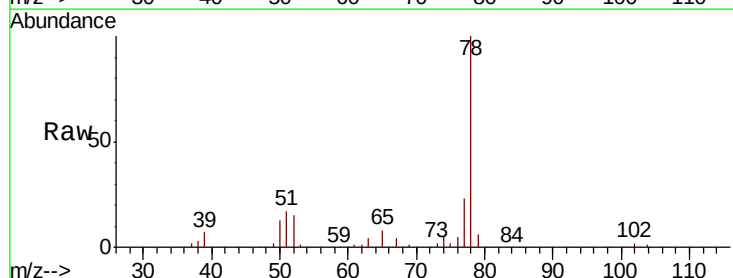
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

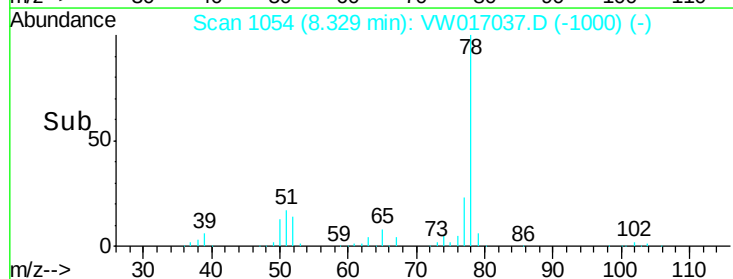
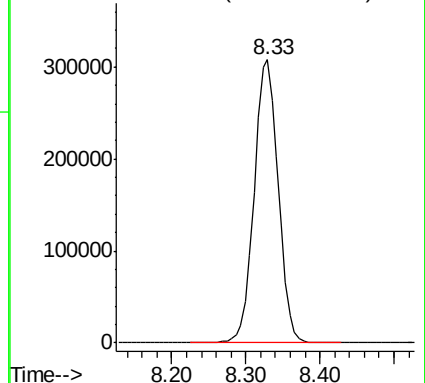
Lab File: VW017037.D

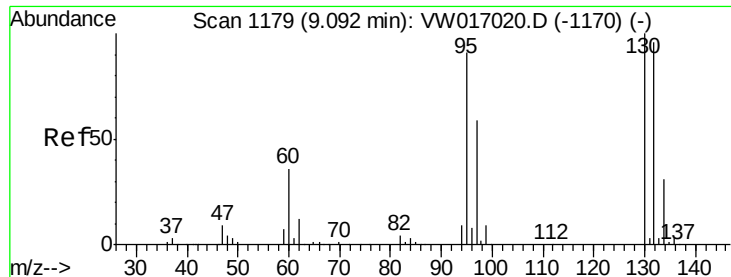
Acq: 02 Nov 2020 09:37

Tgt Ion: 78 Resp: 696863



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.605 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 95 Resp: 191160

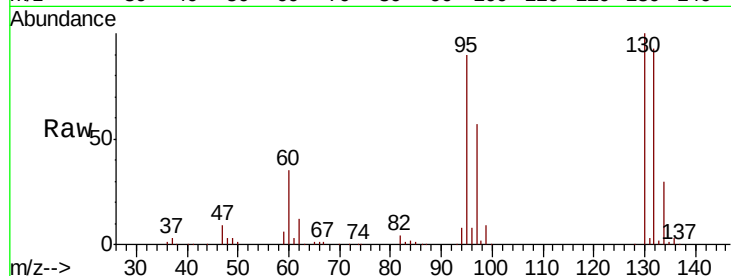
Ion Ratio Lower Upper

95 100

97 64.3 46.0 85.4

132 107.6 73.9 137.3

130 112.0 77.6 144.2

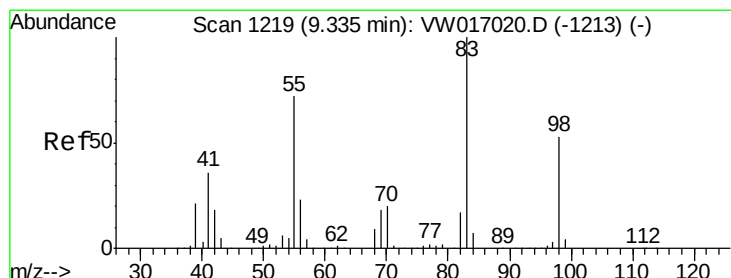
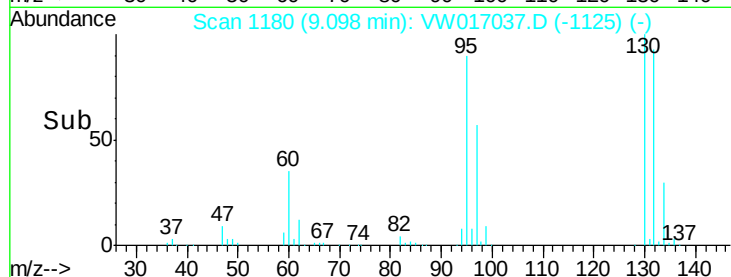
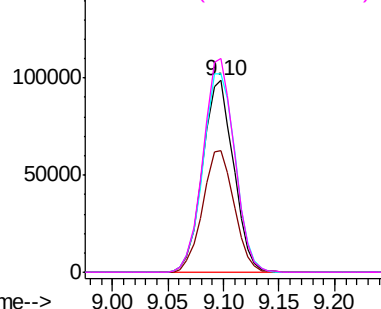


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#36

Methylcyclohexane

Concen: 27.541 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

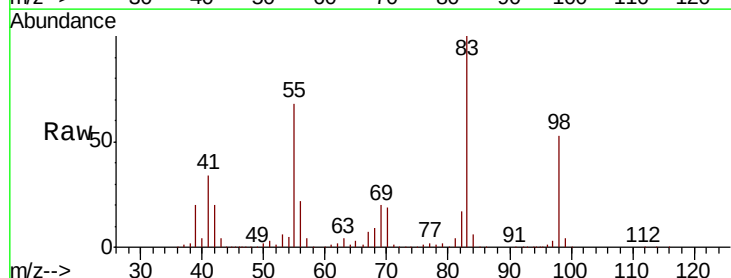
Tgt Ion: 83 Resp: 320293

Ion Ratio Lower Upper

83 100

55 67.5 54.5 81.7

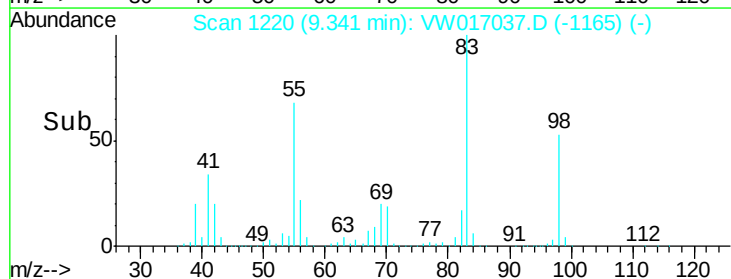
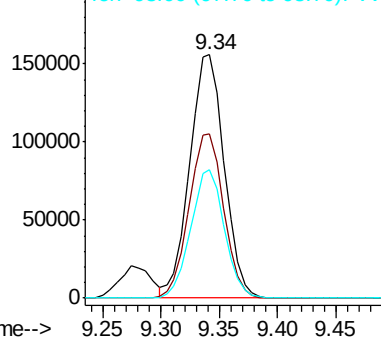
98 51.2 40.8 61.2

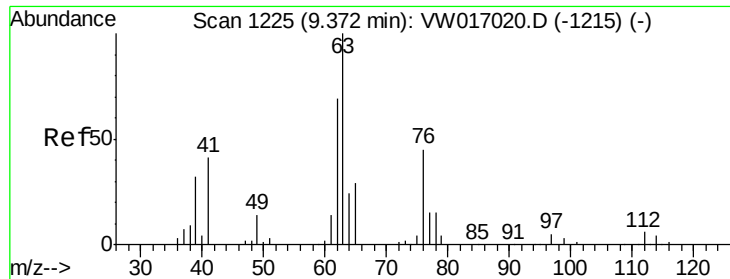


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 28.119 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

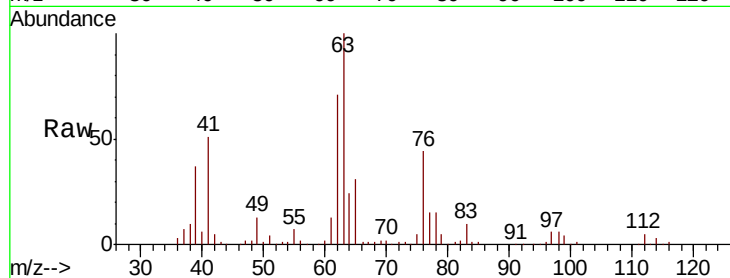
VSTD02509

Tot Ion: 63 Resp: 157015

Ion Ratio Lower Upper

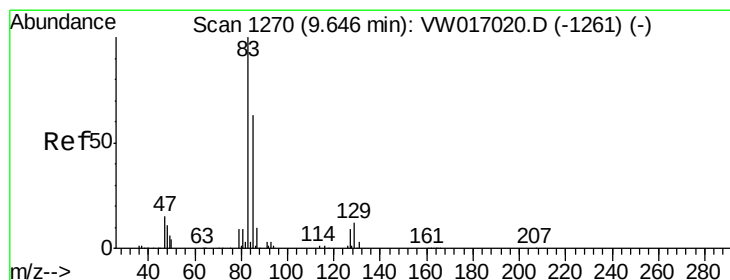
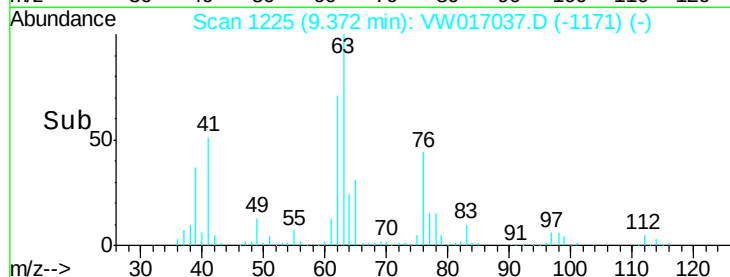
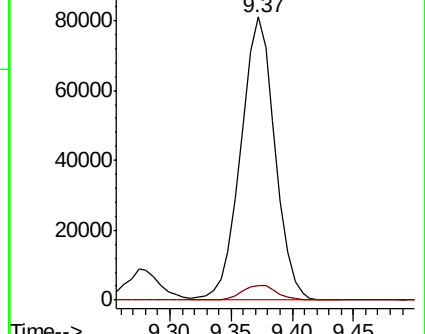
63 100

112 5.6 4.5 6.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.443 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

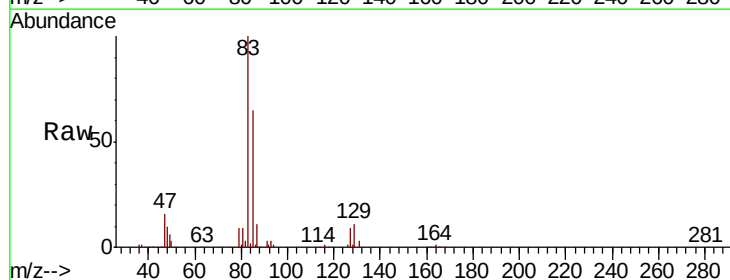
Tgt Ion: 83 Resp: 215566

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9

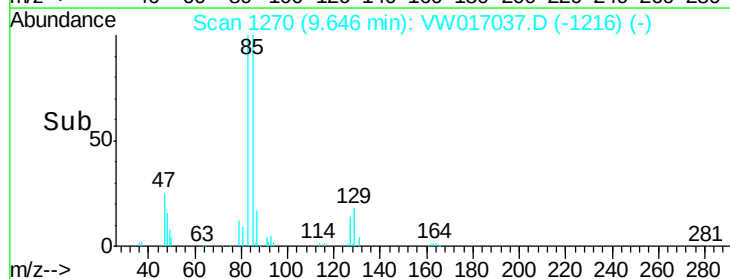
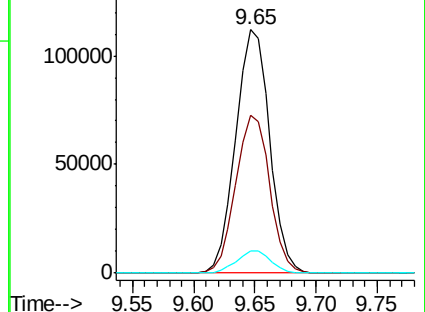
127 9.4 7.8 11.6

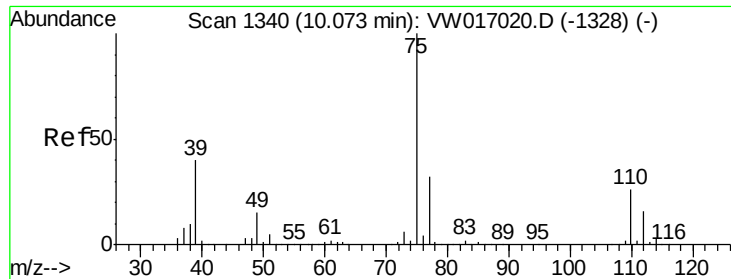


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

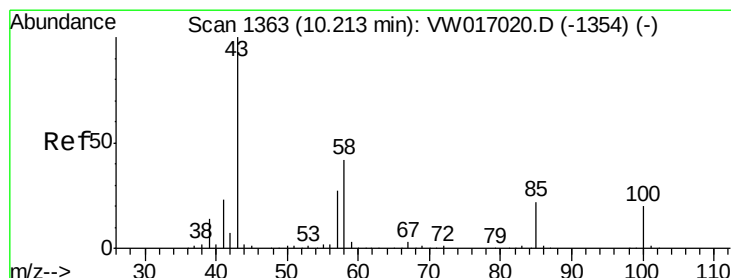
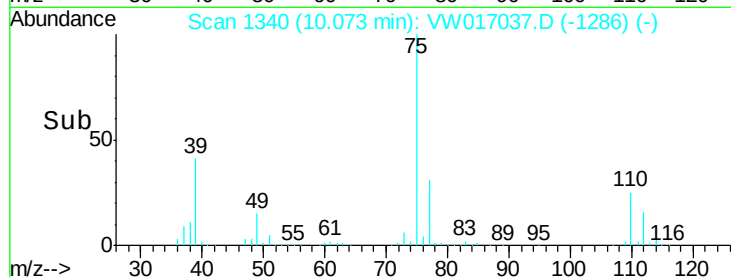
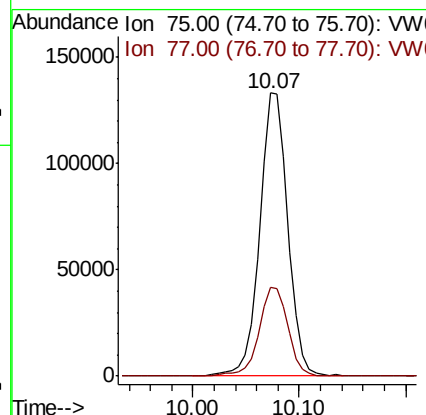
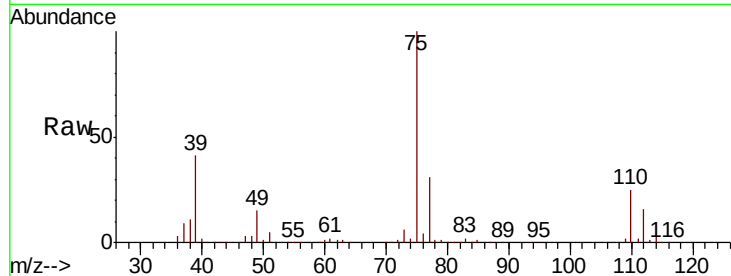




#42
 cis-1,3-Dichloropropene
 Concen: 28.249 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

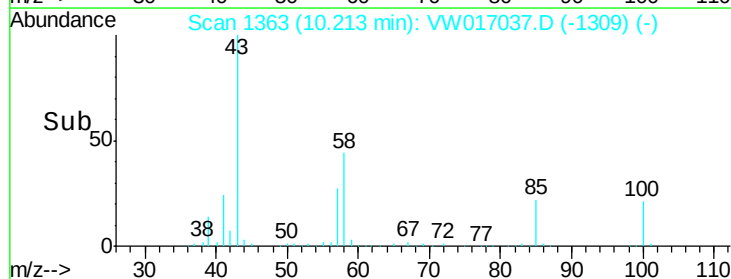
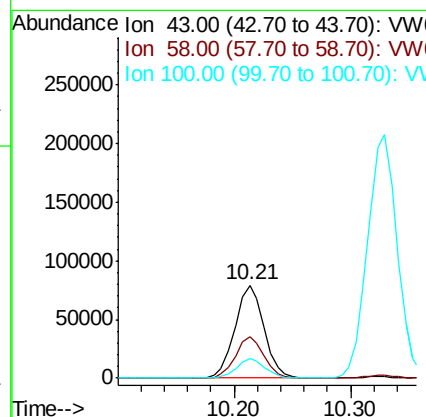
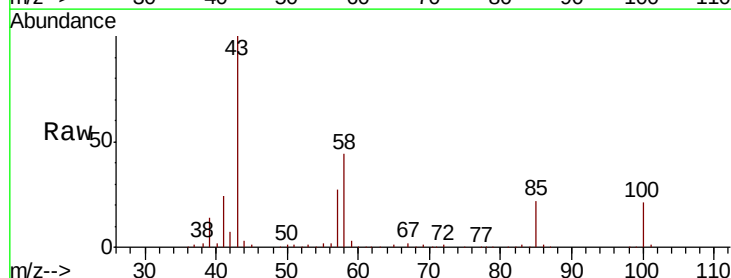
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

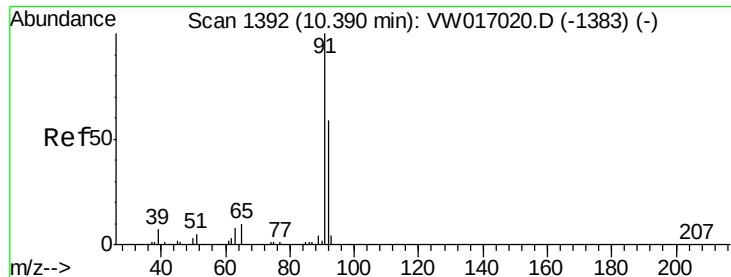
Tot Ion: 75 Resp: 246661
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 52.159 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

Tgt Ion: 43 Resp: 138061
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.4 51.6
 100 20.5 16.2 24.2





#44

Toluene

Concen: 28.198 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

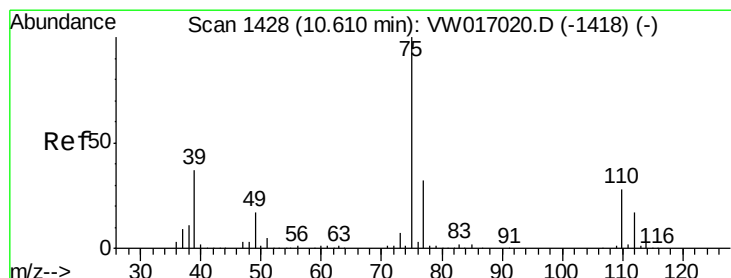
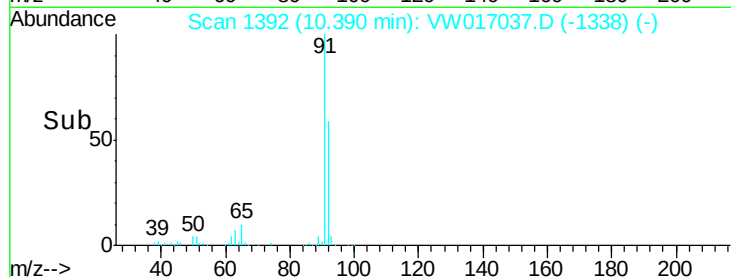
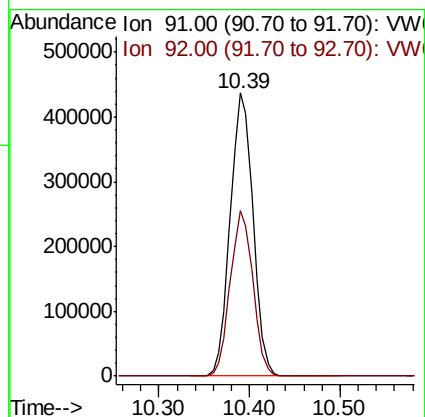
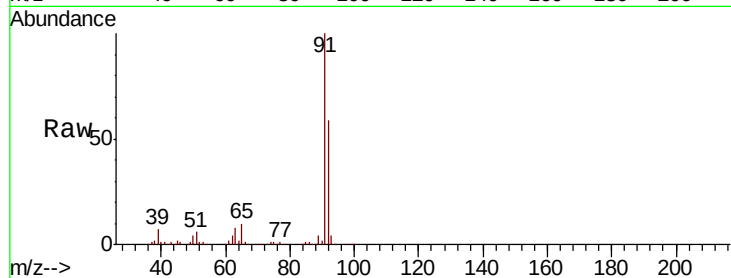
VSTD02509

Tot Ion: 91 Resp: 763887

Ion Ratio Lower Upper

91 100

92 58.5 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 28.508 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017037.D

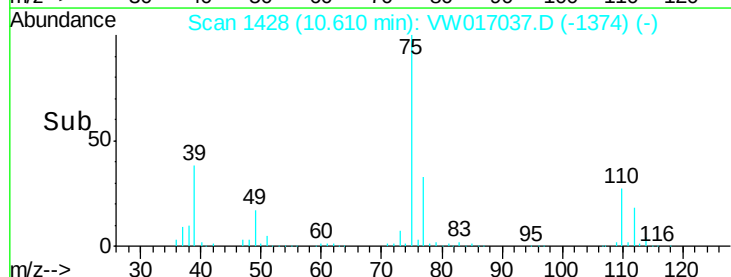
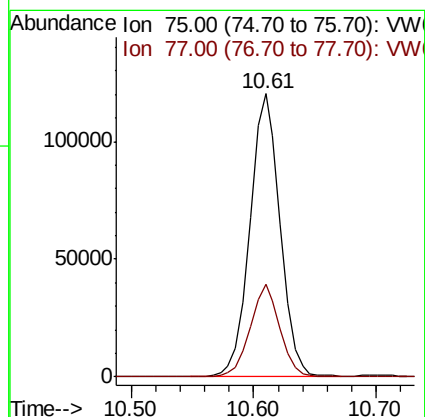
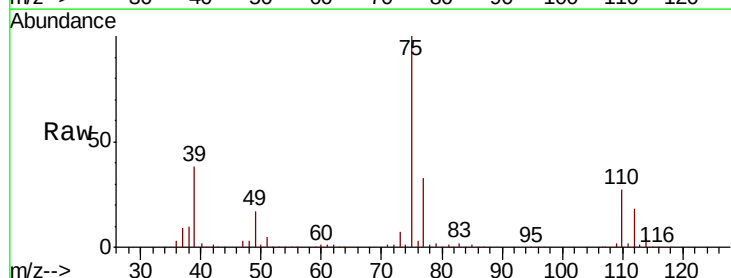
Acq: 02 Nov 2020 09:37

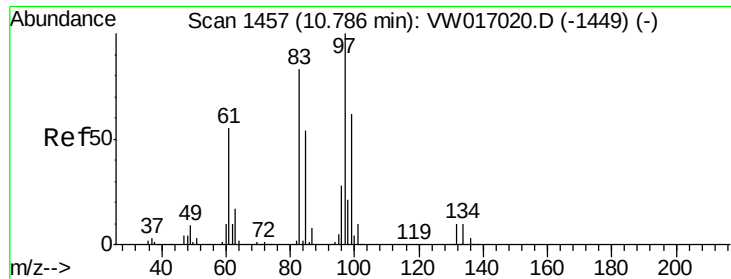
Tgt Ion: 75 Resp: 206203

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3

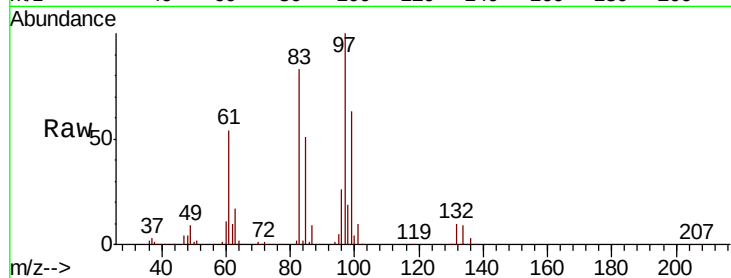




#46
1,1,2-Trichloroethane
Concen: 26.919 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion:	97	Resp:	120317
Ion	Ratio	Lower	Upper
97	100		
83	83.0	56.6	105.0
85	50.9	34.6	64.3
99	62.5	43.5	80.9



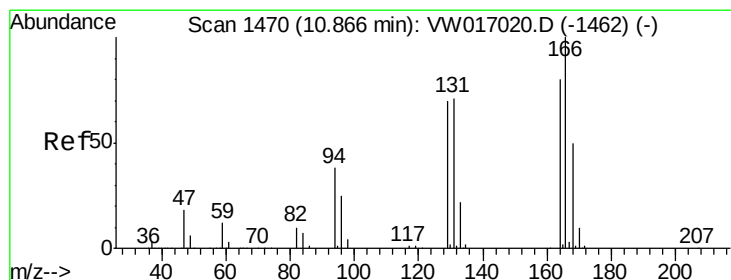
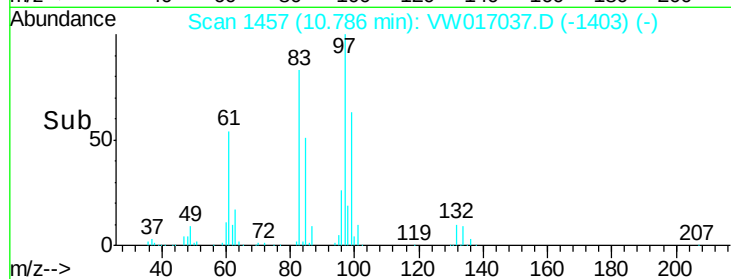
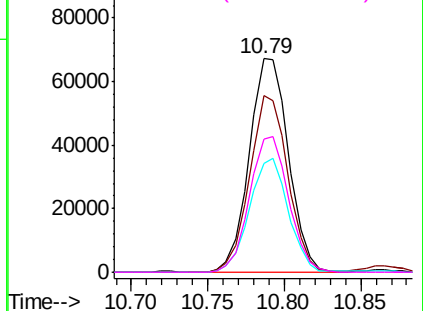
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

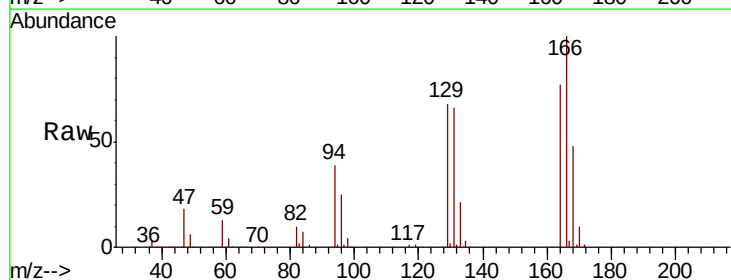
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 27.121 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion:	164	Resp:	172761
Ion	Ratio	Lower	Upper
164	100		
129	88.4	64.0	119.0
131	85.9	61.7	114.5
166	129.6	94.6	175.8



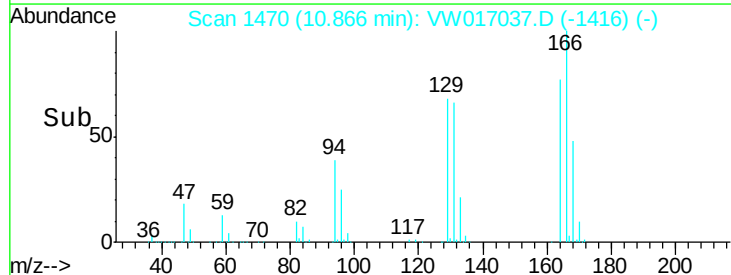
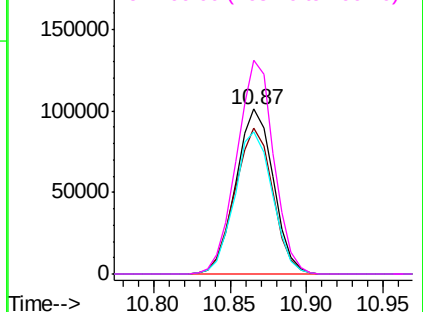
Abundance

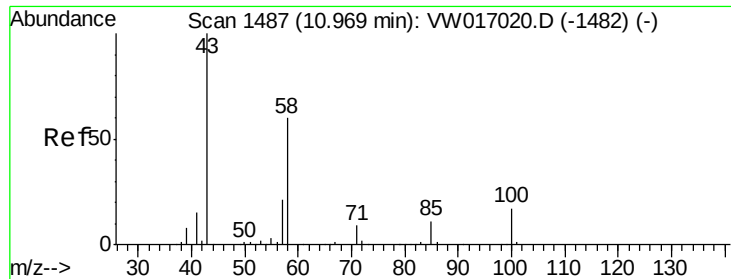
Ion 164.00 (163.70 to 164.70): V

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

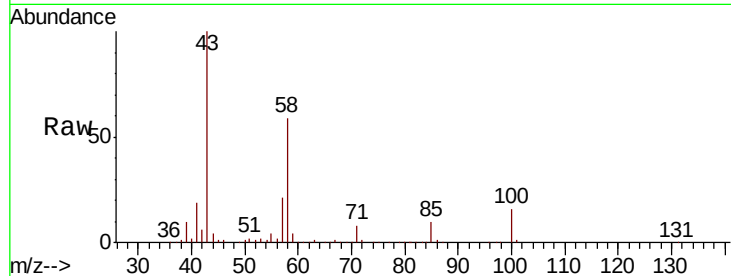




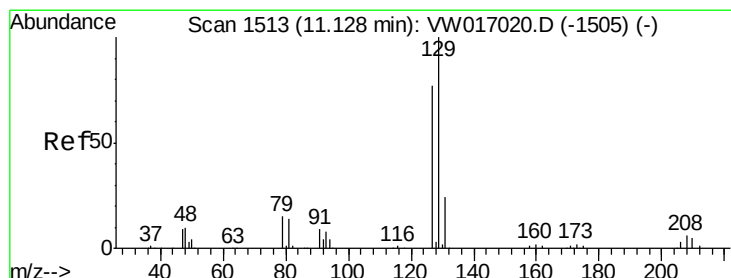
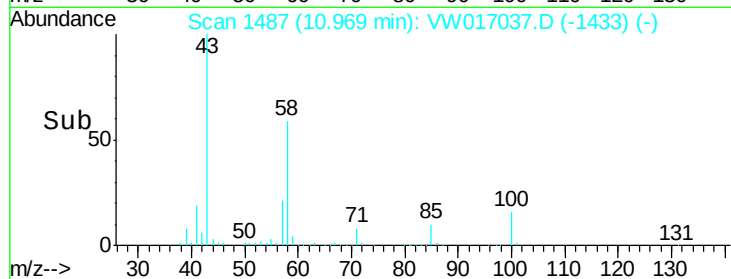
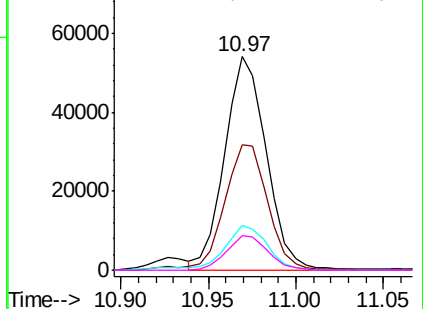
#49
2-Hexanone
Concen: 53.017 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tot Ion: 43 Resp: 89434
Ion Ratio Lower Upper
43 100
58 61.0 49.2 73.8
57 21.2 17.0 25.4
100 16.4 13.2 19.8

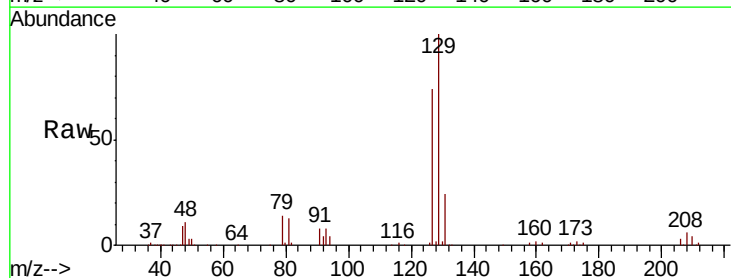


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

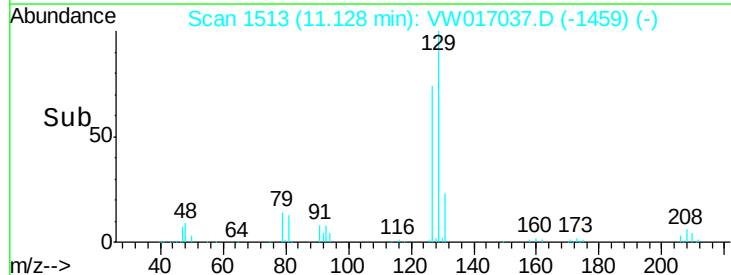
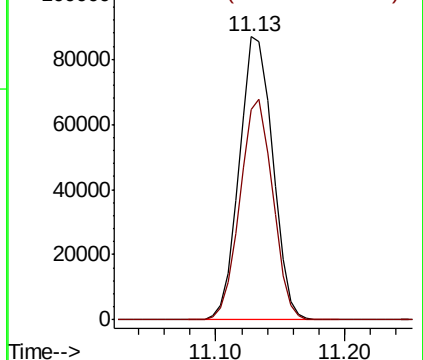


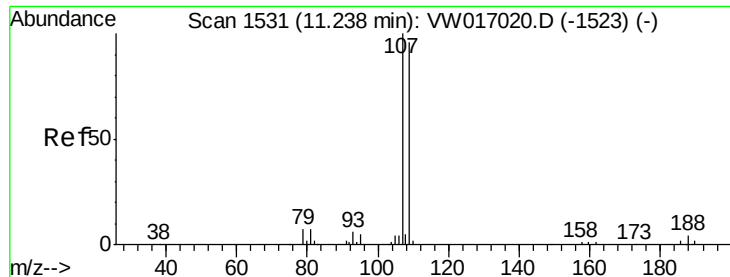
#50
Dibromochloromethane
Concen: 28.700 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion: 129 Resp: 156266
Ion Ratio Lower Upper
129 100
127 74.5 55.4 102.8



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





#51

1,2-Dibromoethane

Concen: 27.431 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

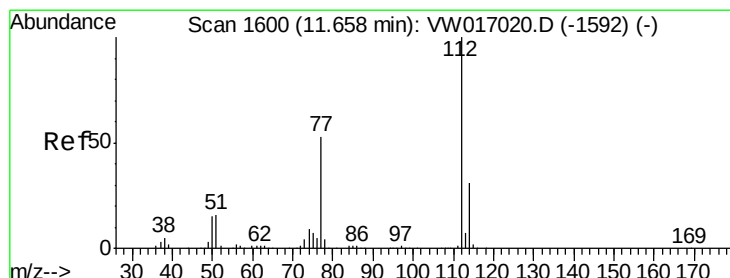
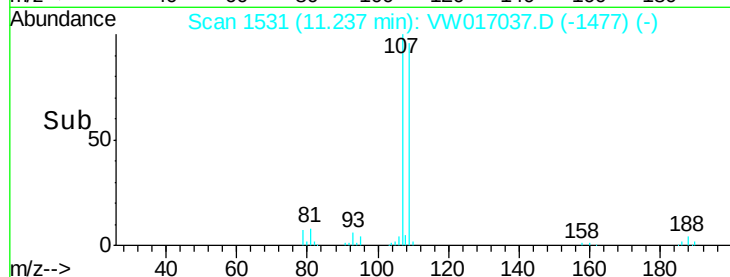
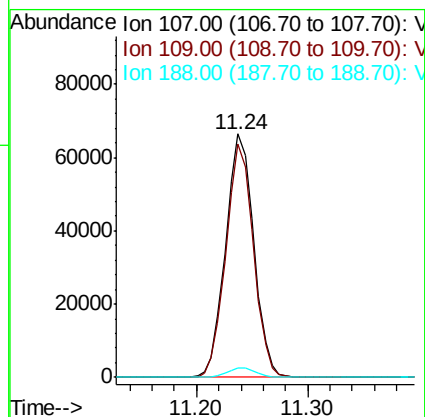
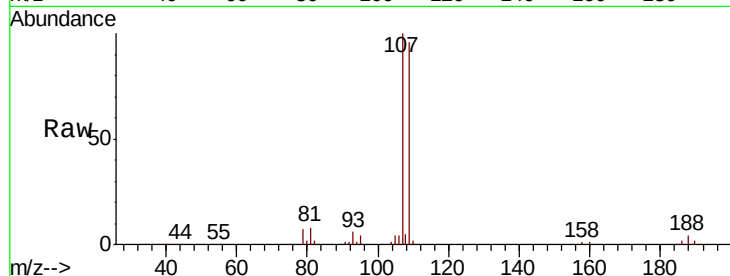
Tot Ion:107 Resp: 116889

Ion Ratio Lower Upper

107 100

109 96.0 65.7 121.9

188 3.6 3.1 4.7



#52

Chlorobenzene

Concen: 27.466 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

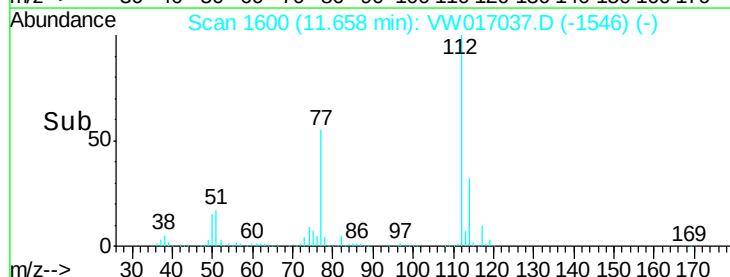
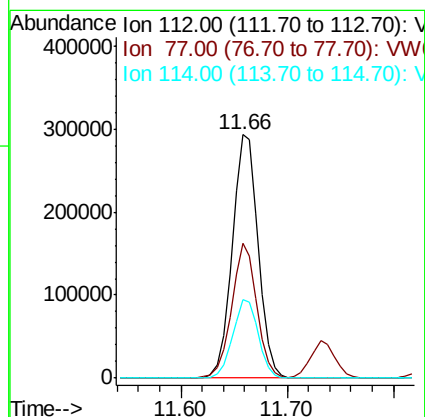
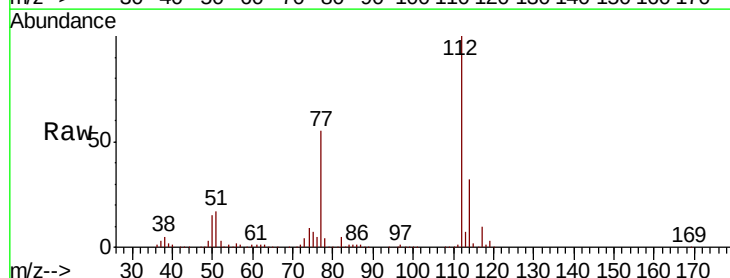
Tgt Ion:112 Resp: 497391

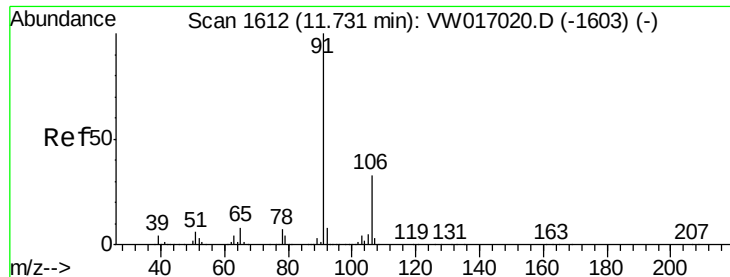
Ion Ratio Lower Upper

112 100

77 55.5 42.5 63.7

114 32.1 22.3 41.3





#53

Ethylbenzene

Concen: 27.886 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

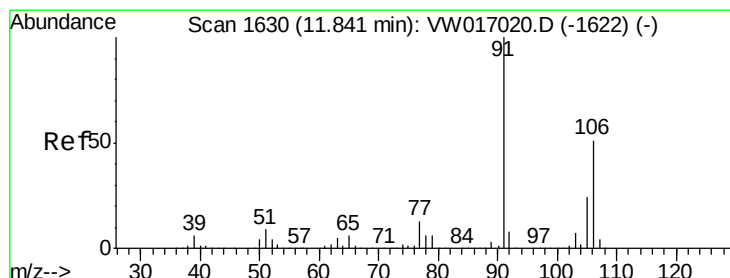
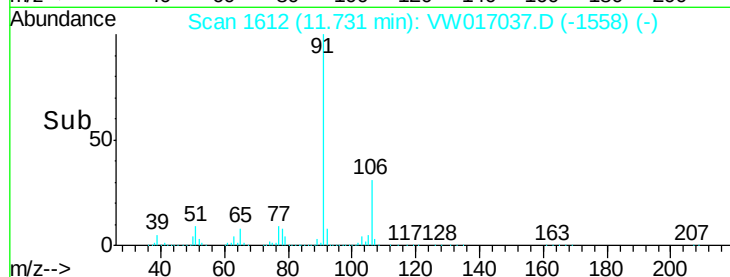
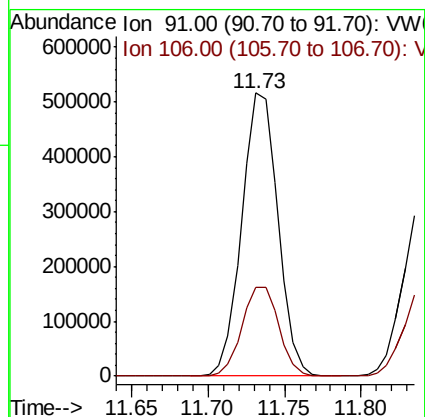
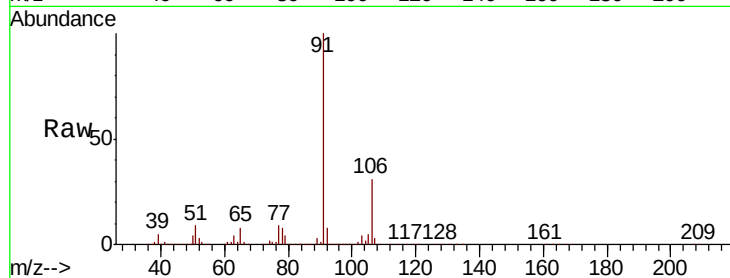
VSTD02509

Tot Ion: 91 Resp: 848370

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.7



#54

m,p-Xylene

Concen: 27.880 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017037.D

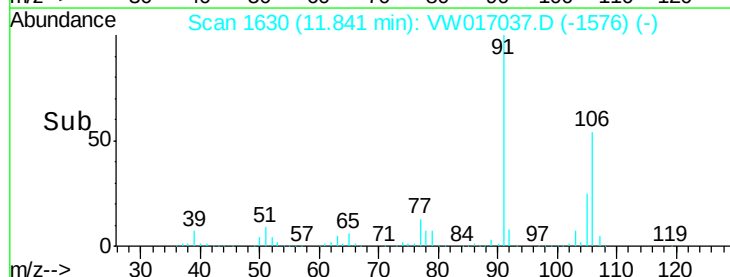
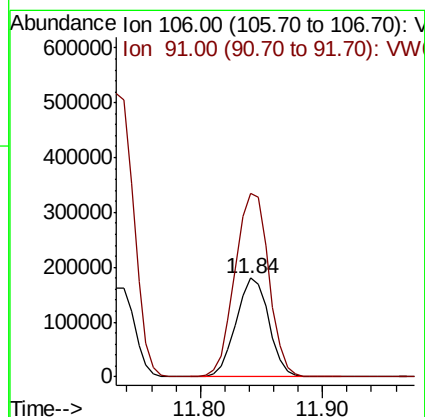
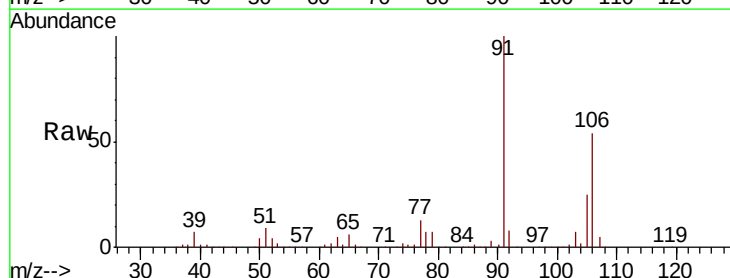
Acq: 02 Nov 2020 09:37

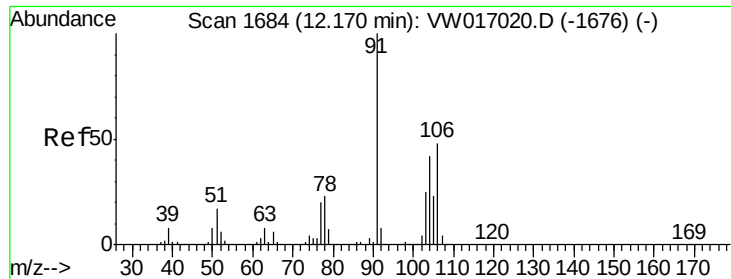
Tgt Ion: 106 Resp: 333691

Ion Ratio Lower Upper

106 100

91 185.3 134.2 249.2

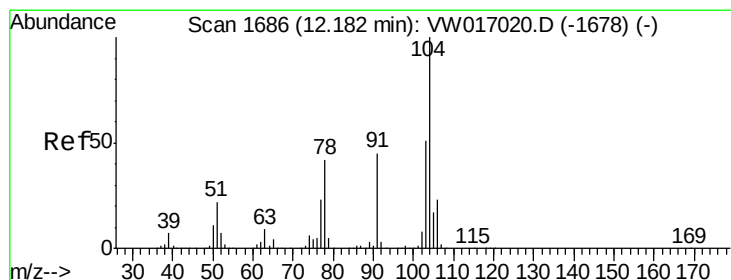
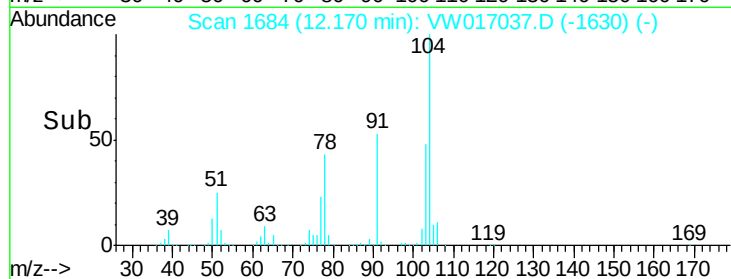
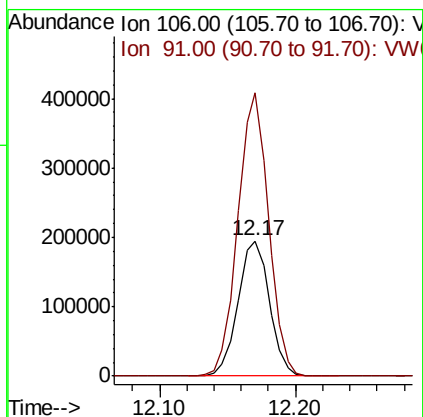
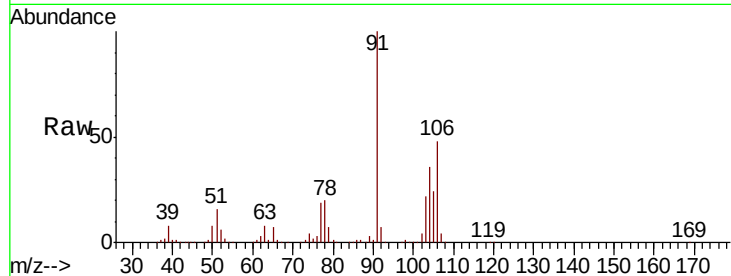




#55
o-xylene
Concen: 28.304 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

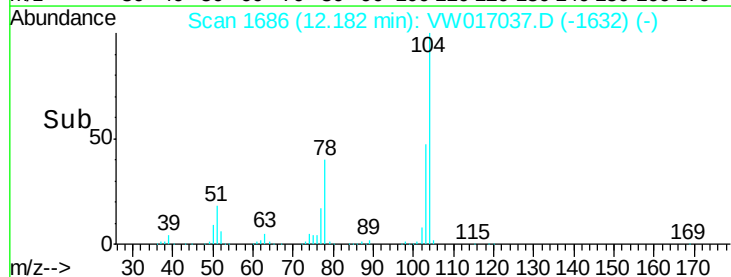
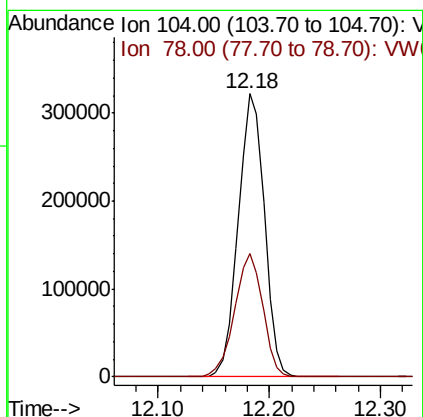
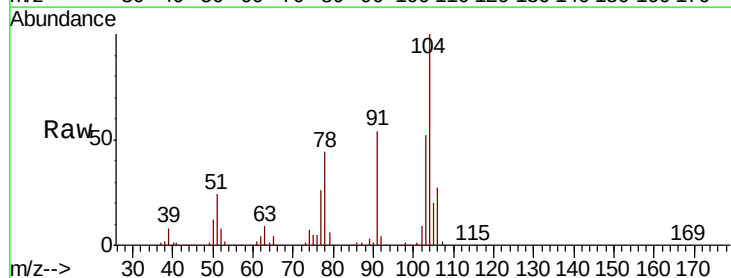
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

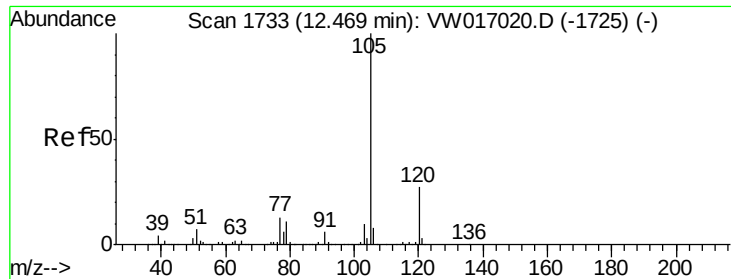
Tot Ion:106 Resp: 313812
Ion Ratio Lower Upper
106 100
91 209.2 150.9 280.3



#56
Styrene
Concen: 28.348 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion:104 Resp: 525813
Ion Ratio Lower Upper
104 100
78 43.7 29.3 54.5





#57

Isopropylbenzene

Concen: 28.139 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

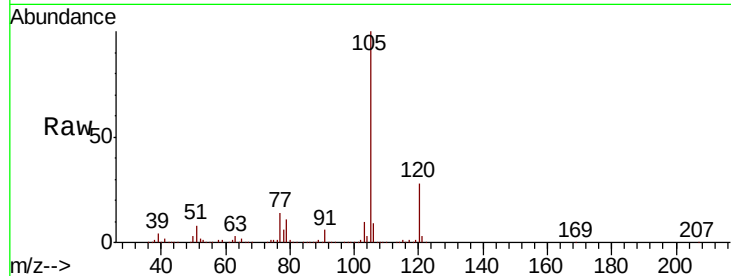
Tot Ion:105 Resp: 862945

Ion Ratio Lower Upper

105 100

120 27.8 21.4 32.2

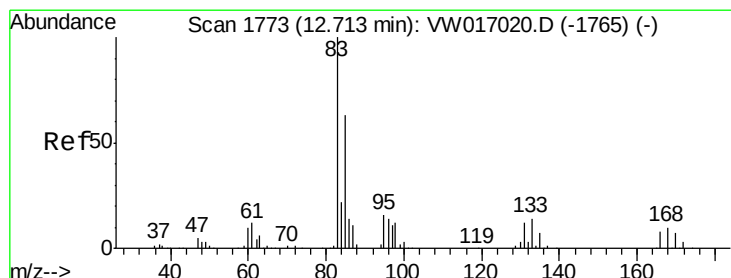
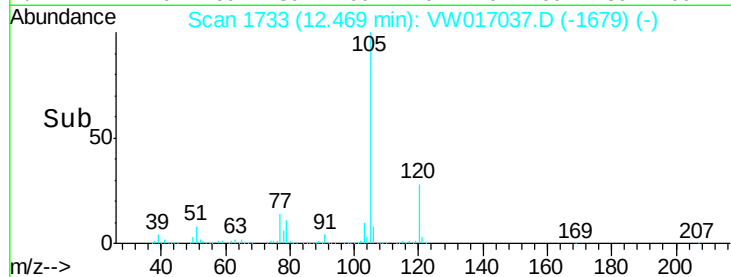
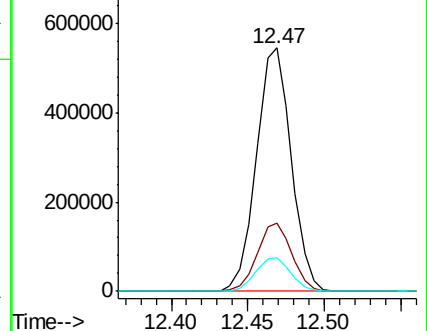
77 14.0 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.052 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

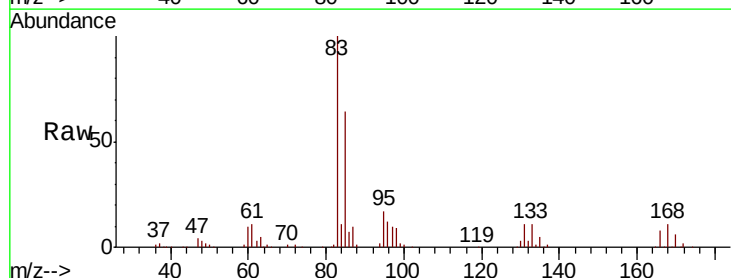
Tgt Ion: 83 Resp: 129776

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

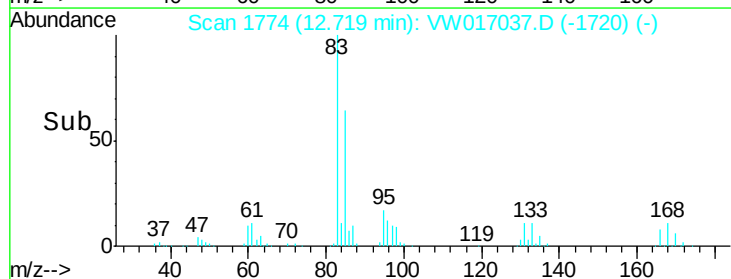
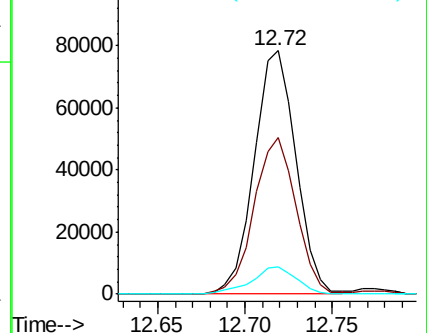
131 11.2 9.1 13.7

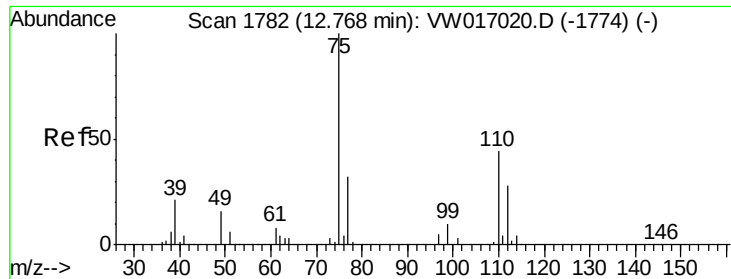


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

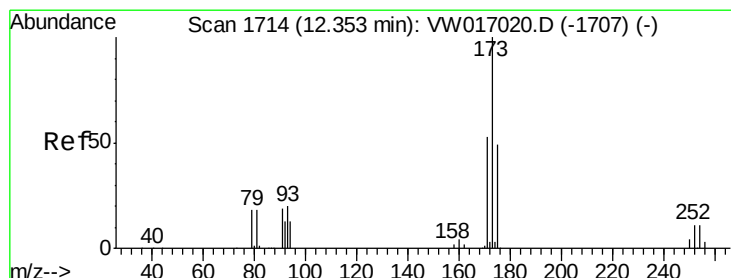
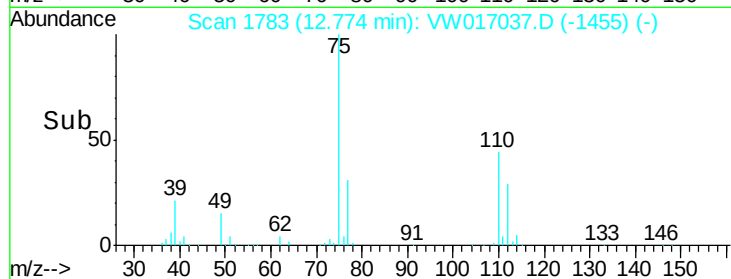
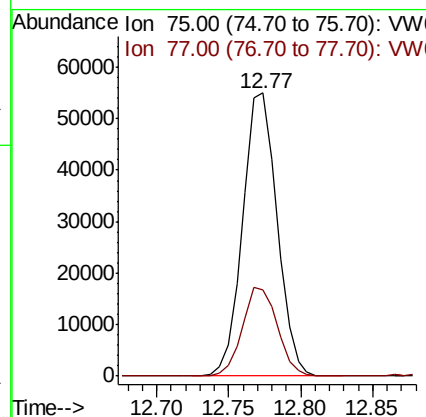
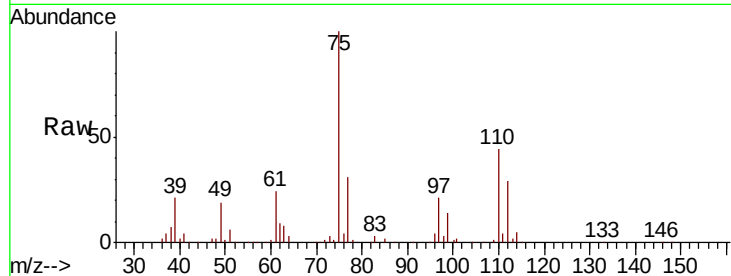




#59
 1,2,3-Trichloropropane
 Concen: 26.564 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

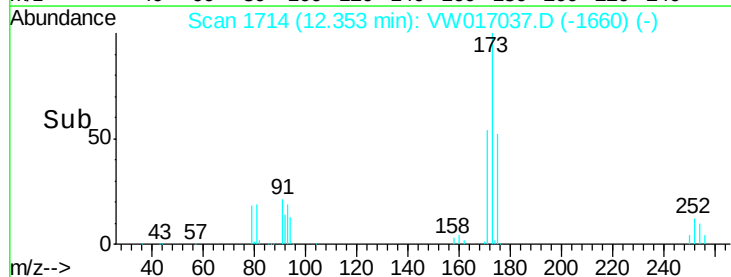
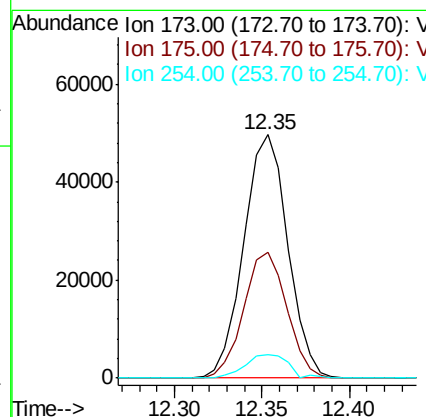
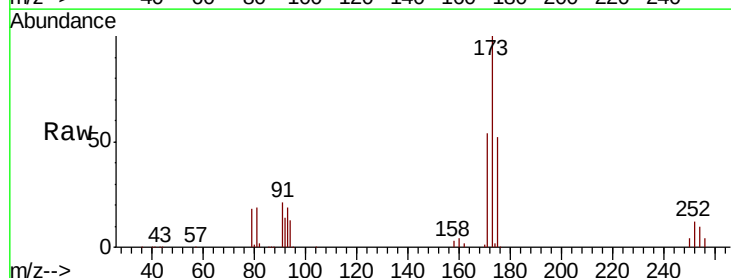
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

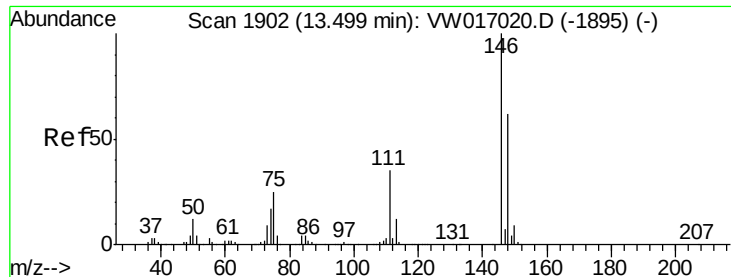
Tot Ion: 75 Resp: 91199
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#62
 Bromoform
 Concen: 26.983 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

Tgt Ion: 173 Resp: 87379
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.3 57.5
 254 9.0 7.8 11.6

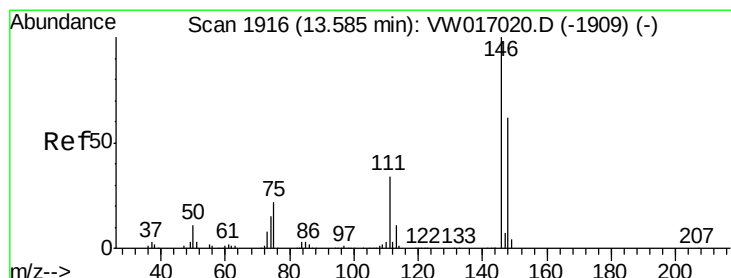
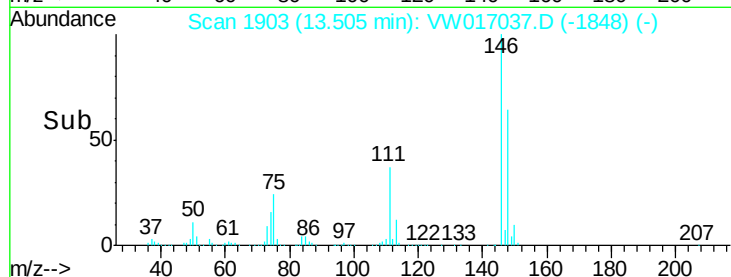
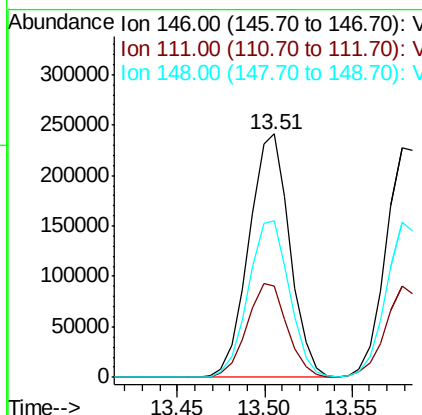
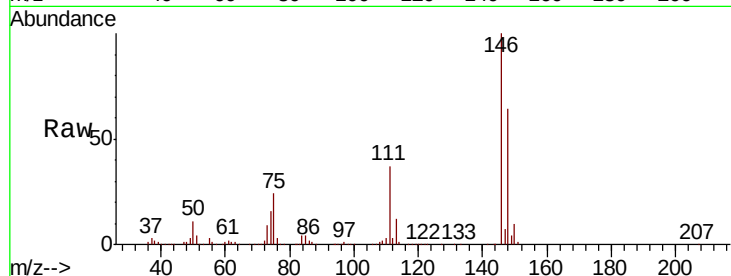




#63
1,3-Dichlorobenzene
Concen: 26.577 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

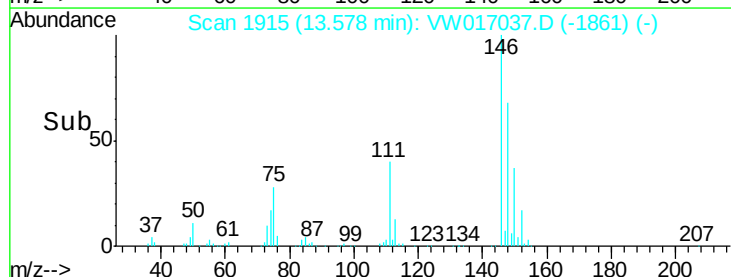
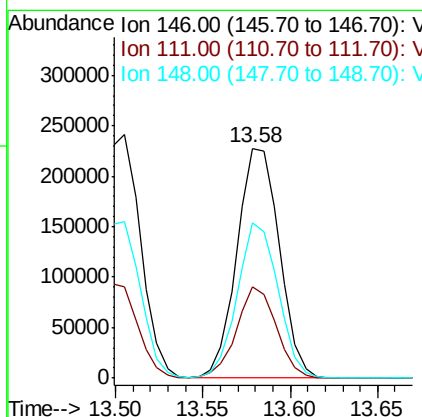
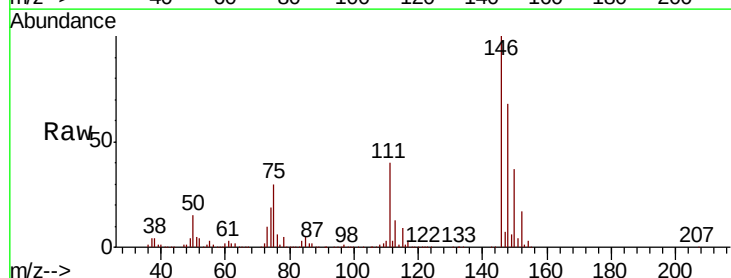
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

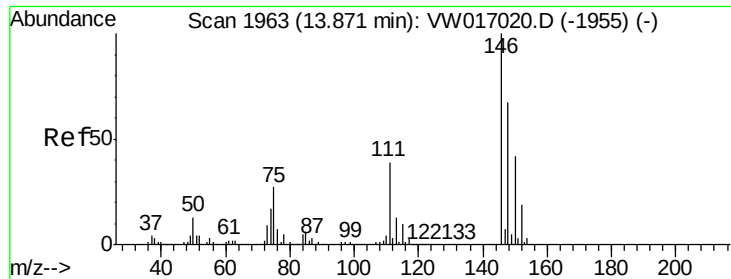
Tot Ion:146 Resp: 395201
Ion Ratio Lower Upper
146 100
111 37.3 25.5 47.3
148 64.4 43.1 80.1



#64
1,4-Dichlorobenzene
Concen: 26.084 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017037.D
Acq: 02 Nov 2020 09:37

Tgt Ion:146 Resp: 386631
Ion Ratio Lower Upper
146 100
111 40.0 25.7 47.7
148 67.6 44.3 82.3

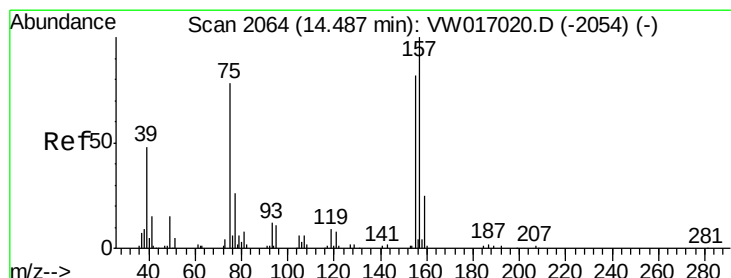
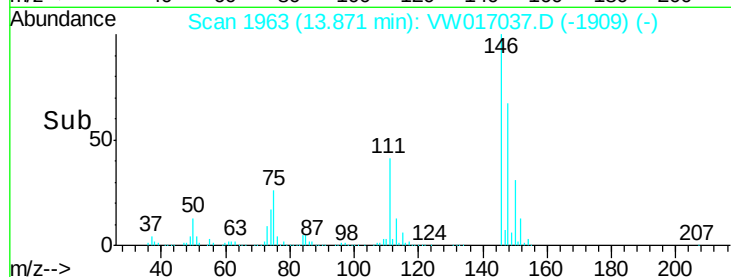
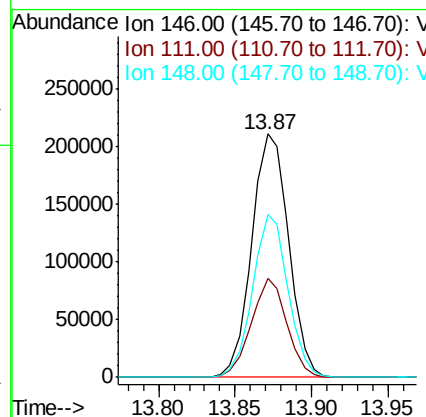
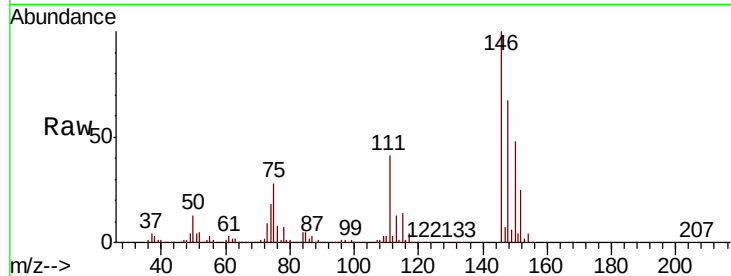




#65
 1,2-Dichlorobenzene
 Concen: 26.966 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

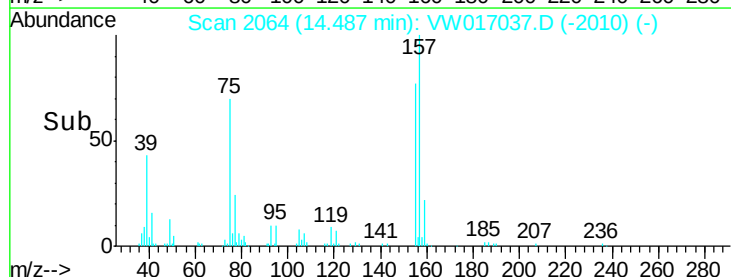
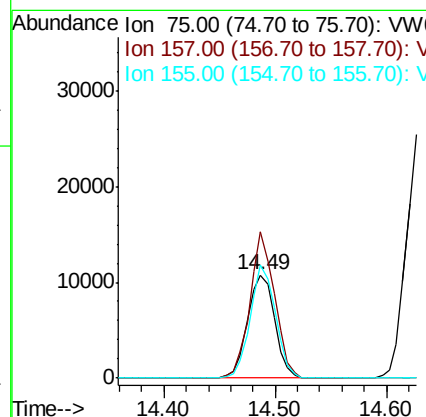
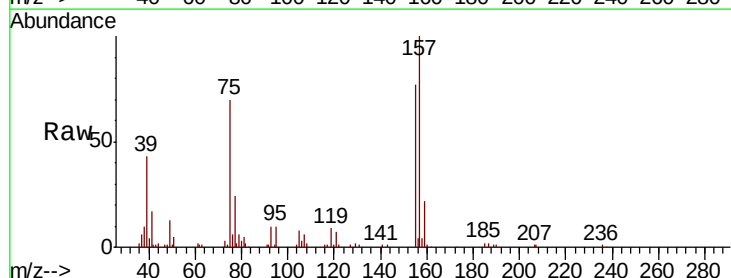
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

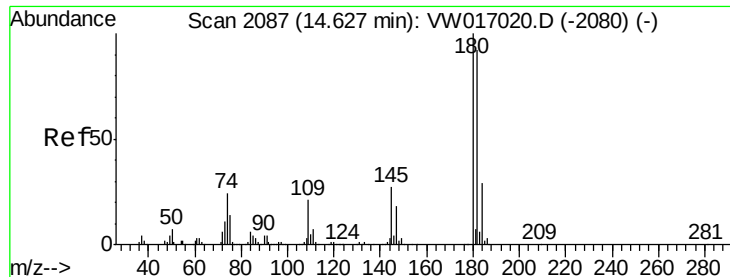
Tot Ion:146 Resp: 353723
 Ion Ratio Lower Upper
 146 100
 111 40.8 31.4 47.0
 148 67.0 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.596 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

Tgt Ion: 75 Resp: 18264
 Ion Ratio Lower Upper
 75 100
 157 142.8 102.5 153.7
 155 109.8 80.3 120.5

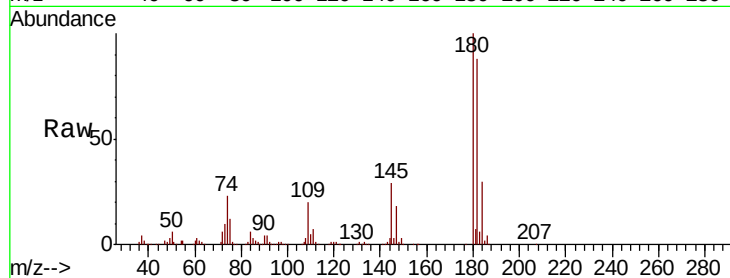




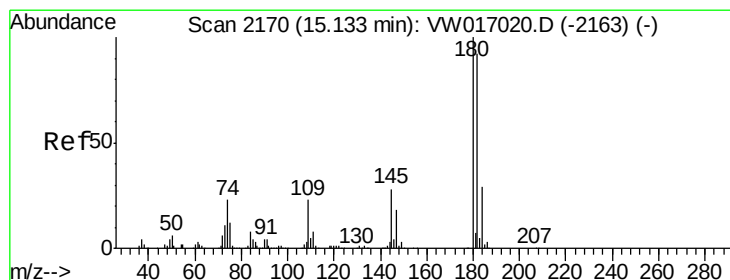
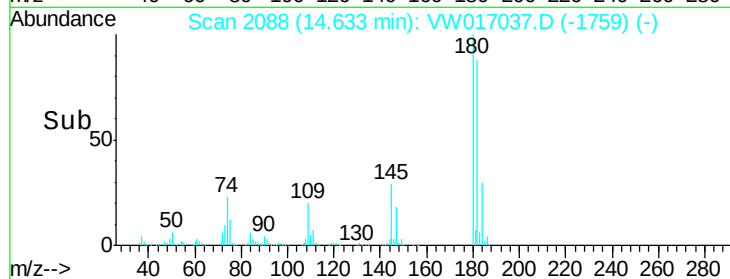
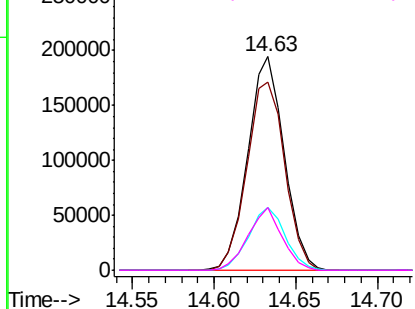
#67
 1,3,5-Trichlorobenzene
 Concen: 27.640 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion:180	Resp:	300821
Ion	Ratio	Lower Upper
180	100	
182	92.4	77.4 116.0
184	29.8	24.8 37.2
145	27.6	23.4 35.2

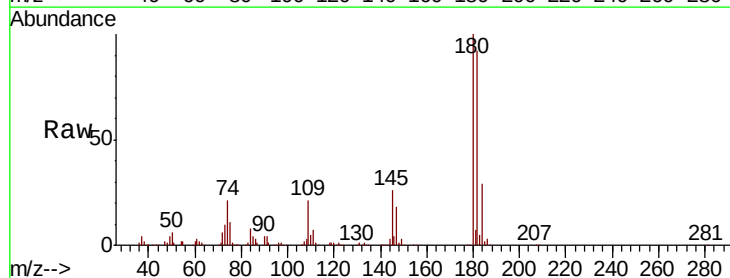


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

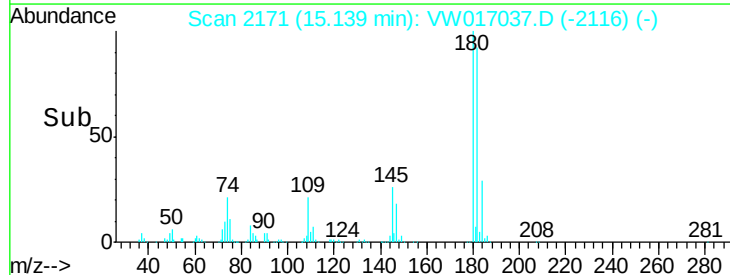
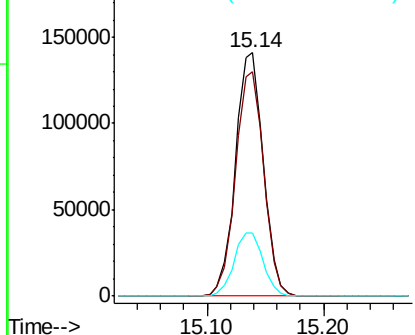


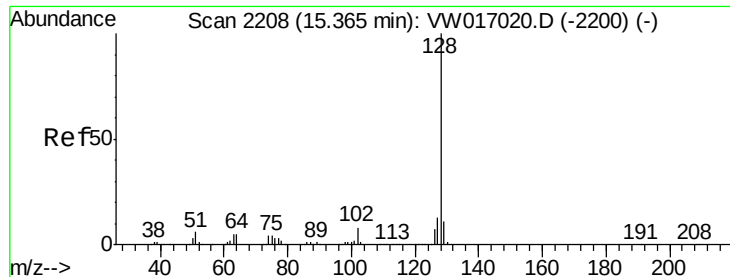
#68
 1,2,4-trichlorobenzene
 Concen: 27.841 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW017037.D
 Acq: 02 Nov 2020 09:37

Tgt Ion:180	Resp:	234868
Ion	Ratio	Lower Upper
180	100	
182	93.7	76.6 114.8
145	27.3	23.4 35.0



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





#69

Naphthalene

Concen: 26.723 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

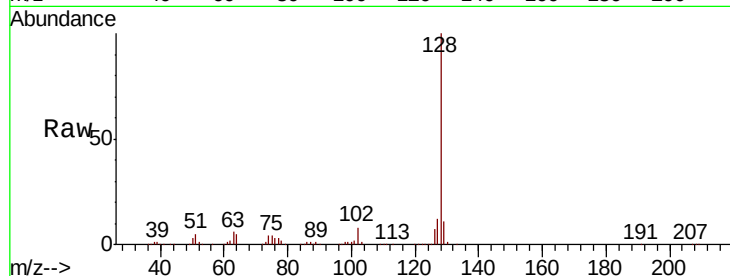
Tot Ion:128 Resp: 365660

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

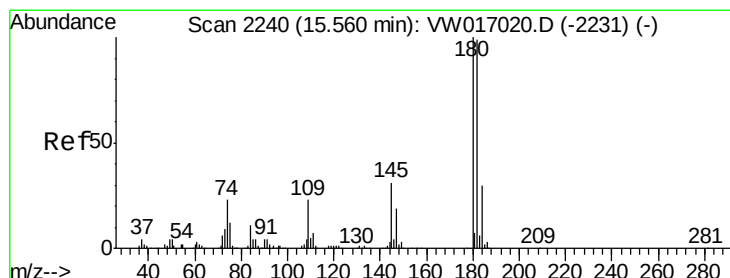
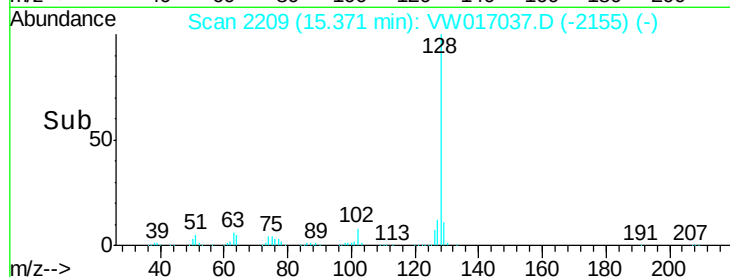
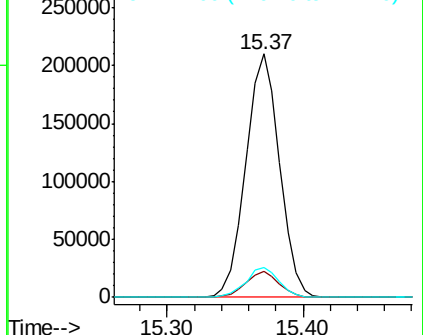
127 12.2 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.979 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017037.D

Acq: 02 Nov 2020 09:37

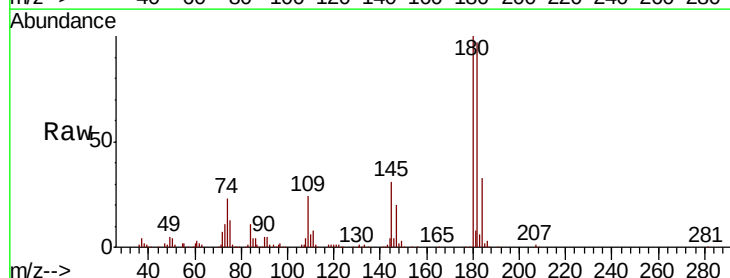
Tgt Ion:180 Resp: 190981

Ion Ratio Lower Upper

180 100

182 96.7 76.8 115.2

145 31.6 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

