

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016620.D
 Acq On : 22 Sep 2020 19:27
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Sep 23 07:31:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 07:21:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	583101	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	523581	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	264499	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	94591	16.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.04%
7) Chloroethane-d5	2.90	69	86967	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.48%
10) 1,1-Dichloroethene-d2	4.04	63	259857	20.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.36%
20) 2-Butanone-d5	7.09	46	74315	48.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.58%
24) Chloroform-d	7.65	84	297218	24.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	8.31	65	151626	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
29) Benzene-d6	8.28	84	507698	21.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.48%
33) 1,2-Dichloropropane-d6	9.28	67	148850	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.56%
37) Toluene-d8	10.33	98	468548	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.12%
38) trans-1,3-Dichloropropene-	10.58	79	72599	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.52%
39) 2-Hexanone-d5	10.93	63	61104	52.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138693	25.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	206965	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	184815	25.657	ug/L 94
3) Chloromethane	2.23	50	116833	22.166	ug/L 99
5) Vinyl chloride	2.38	62	178606	22.963	ug/L 99
6) Bromomethane	2.79	94	138490	23.465	ug/L 99
8) Chloroethane	2.94	64	110223	23.955	ug/L 100
9) Trichlorofluoromethane	3.28	101	184763	23.561	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	201735	26.852	ug/L 98
12) 1,1-Dichloroethene	4.06	96	192324	26.039	ug/L 92
13) Acetone	4.14	43	55347	45.916	ug/L 98
14) Carbon disulfide	4.40	76	547158	24.555	ug/L 100
15) Methyl Acetate	4.68	43	68943	25.118	ug/L 99
16) Methylene chloride	4.93	84	228838	25.445	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	265209	26.216	ug/L 96
18) trans-1,2-Dichloroethene	5.44	96	203975	26.668	ug/L 95
19) 1,1-Dichloroethane	6.23	63	320419	26.490	ug/L 98
21) 2-Butanone	7.18	43	86972	42.411	ug/L 96
22) cis-1,2-Dichloroethene	7.18	96	211100	26.600	ug/L 93

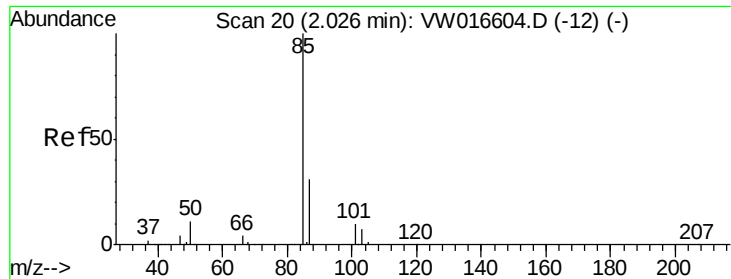
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 07:21:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	101833	26.394	ug/L	95
25) Chloroform	7.68	83	356937	27.066	ug/L	100
27) 1,2-Dichloroethane	8.40	62	225539	26.654	ug/L	100
30) Cyclohexane	7.96	56	292396	25.555	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	320992	26.250	ug/L	99
32) Carbon tetrachloride	8.07	117	319793	26.918	ug/L	97
34) Benzene	8.33	78	737343	26.274	ug/L	100
35) Trichloroethene	9.10	95	217119	26.741	ug/L	99
36) Methylcyclohexane	9.34	83	354168	25.717	ug/L	100
40) 1,2-Dichloropropane	9.37	63	169159	25.917	ug/L	100
41) Bromodichloromethane	9.65	83	255882	26.455	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	290826	26.086	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	201801	48.663	ug/L	99
44) Toluene	10.39	91	892329	28.277	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	257019	26.497	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	145877	26.530	ug/L	98
47) Tetrachloroethene	10.87	164	199430	27.201	ug/L	95
49) 2-Hexanone	10.97	43	135781	51.593	ug/L	98
50) Dibromochloromethane	11.13	129	192421	26.803	ug/L	96
51) 1,2-Dibromoethane	11.24	107	143585	26.081	ug/L	96
52) Chlorobenzene	11.66	112	565816	26.694	ug/L	99
53) Ethylbenzene	11.73	91	969281	27.055	ug/L	97
54) m,p-Xylene	11.84	106	387123	27.595	ug/L	93
55) o-xylene	12.17	106	367543	27.347	ug/L	98
56) Styrene	12.18	104	608558	27.268	ug/L	98
57) Isopropylbenzene	12.47	105	1015788	27.660	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	161008	26.185	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	118712	25.920	ug/L	99
62) Bromoform	12.35	173	116257	26.059	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	467618	27.181	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	459296	27.261	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	420102	27.328	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28703	26.049	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	353456	28.092	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	293029	28.790	ug/L	98
69) Naphthalene	15.37	128	551354	30.558	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	254499	29.073	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.657 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

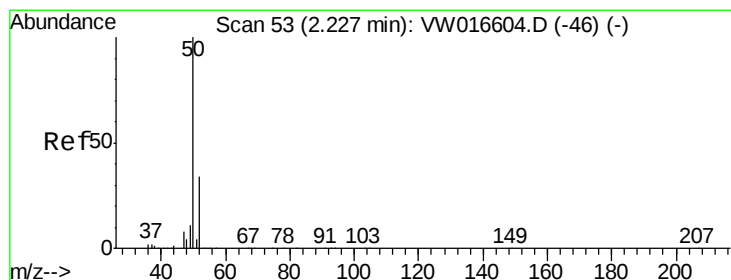
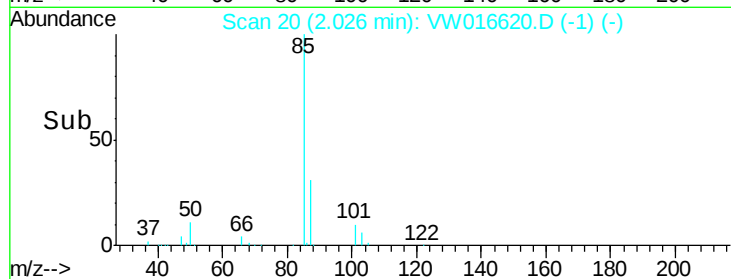
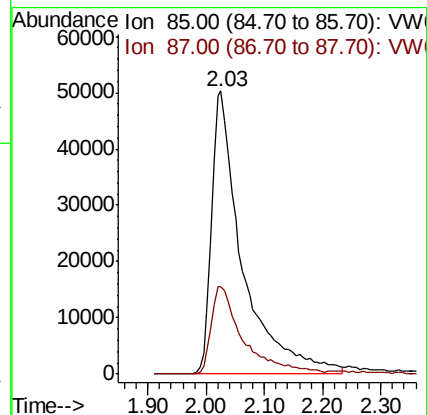
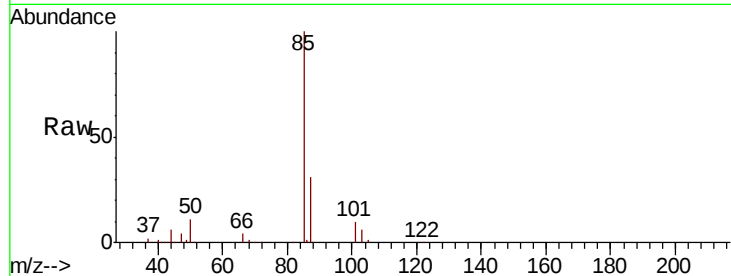
VSTD02527

Tot Ion: 85 Resp: 184815

Ion Ratio Lower Upper

85 100

87 28.4 22.2 41.2



#3

Chloromethane

Concen: 22.166 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016620.D

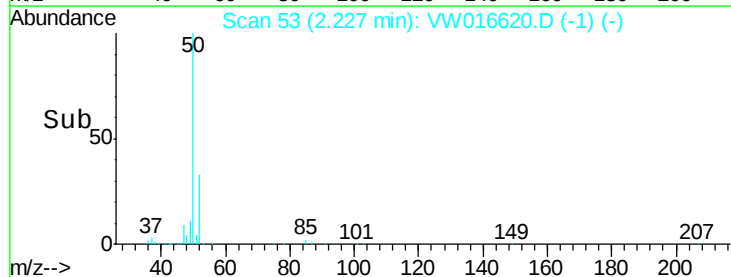
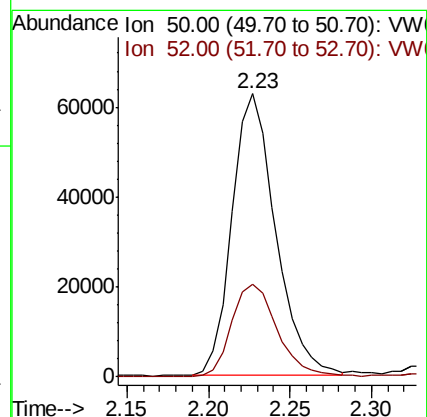
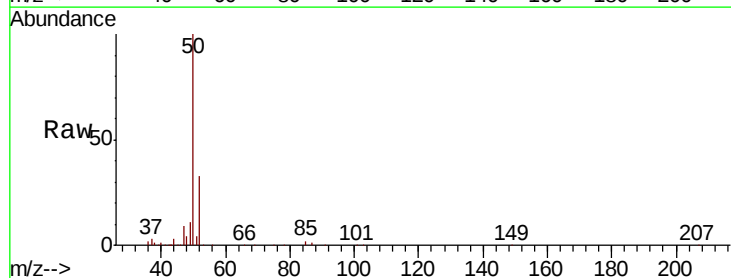
Acq: 22 Sep 2020 19:27

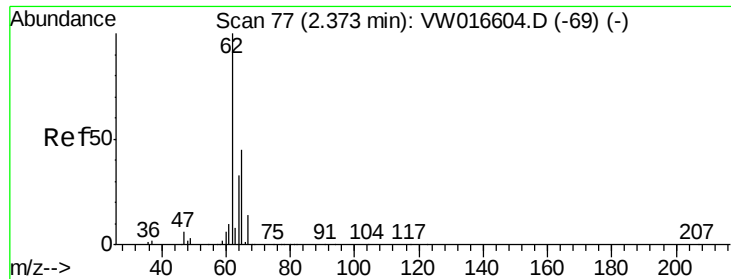
Tgt Ion: 50 Resp: 116833

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6





#5

Vinyl chloride

Concen: 22.963 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

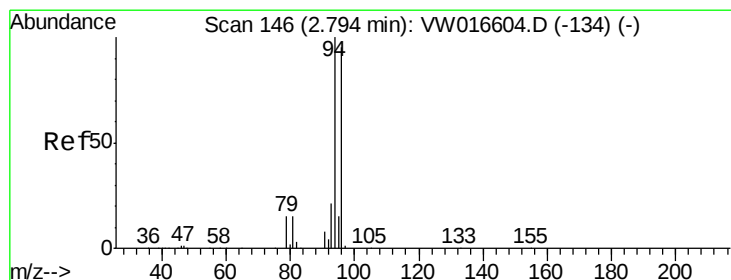
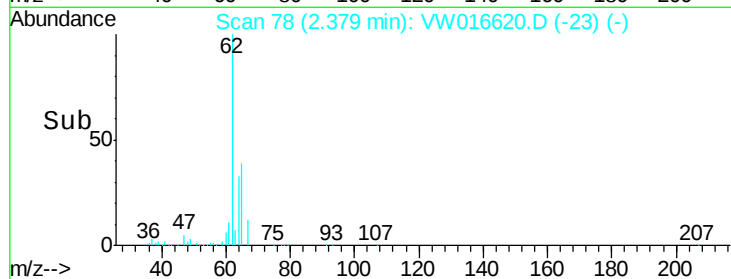
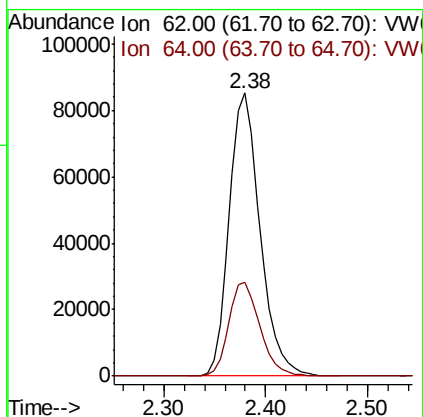
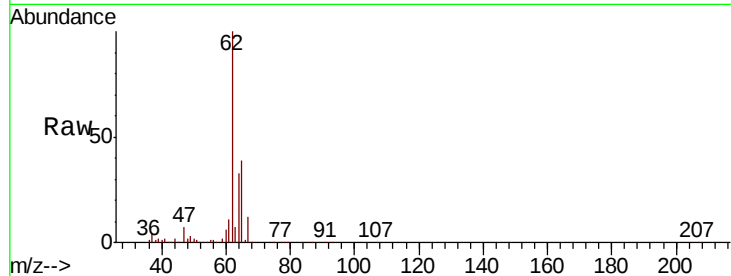
VSTD02527

Tot Ion: 62 Resp: 178606

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



#6

Bromomethane

Concen: 23.465 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016620.D

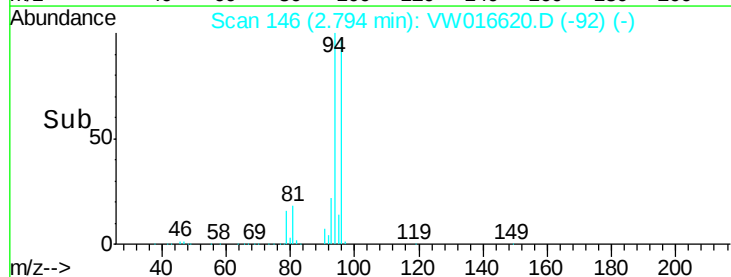
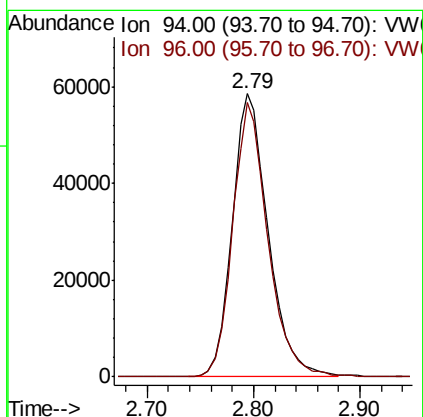
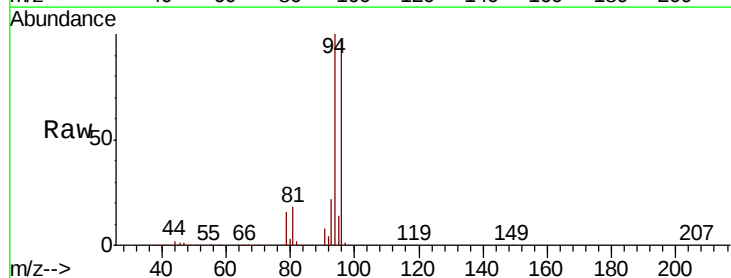
Acq: 22 Sep 2020 19:27

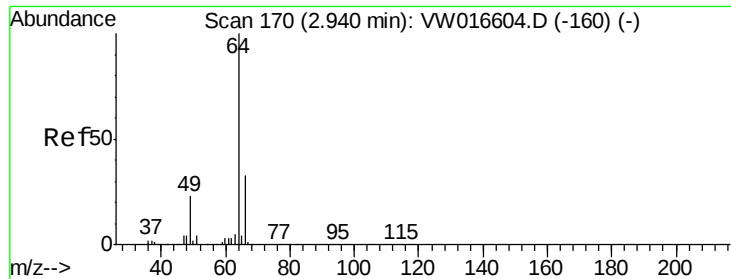
Tgt Ion: 94 Resp: 138490

Ion Ratio Lower Upper

94 100

96 94.8 9.6 181.6





#8

Chloroethane

Concen: 23.955 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

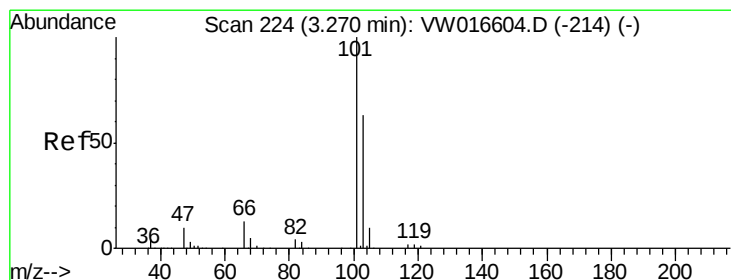
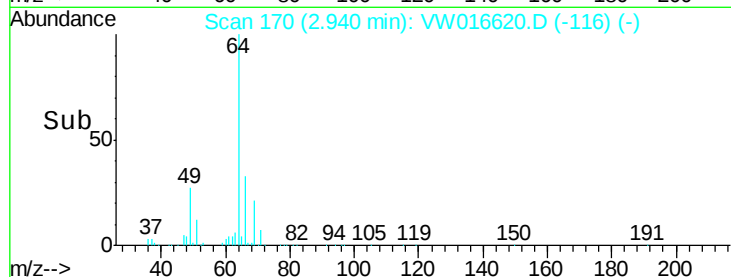
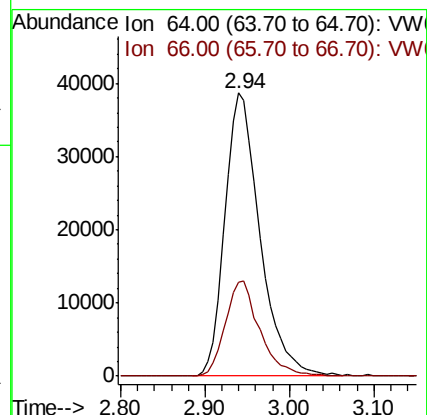
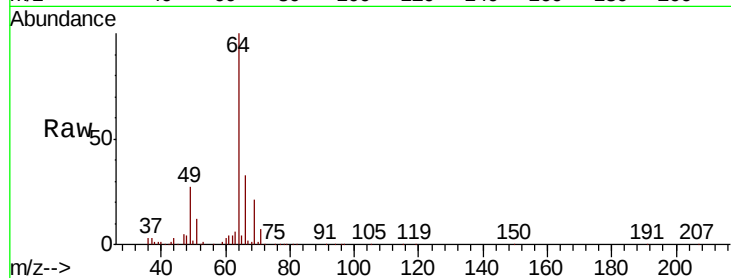
VSTD02527

Tot Ion: 64 Resp: 110223

Ion Ratio Lower Upper

64 100

66 33.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 23.561 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016620.D

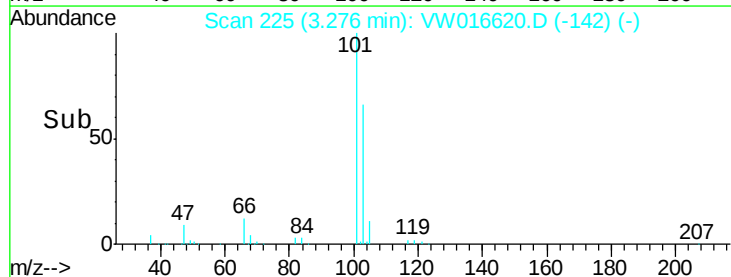
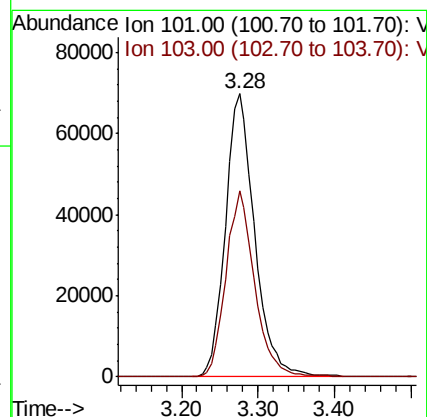
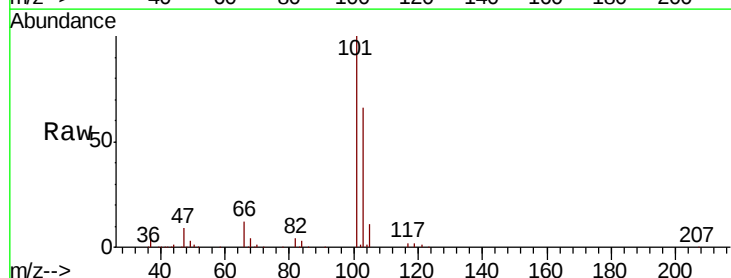
Acq: 22 Sep 2020 19:27

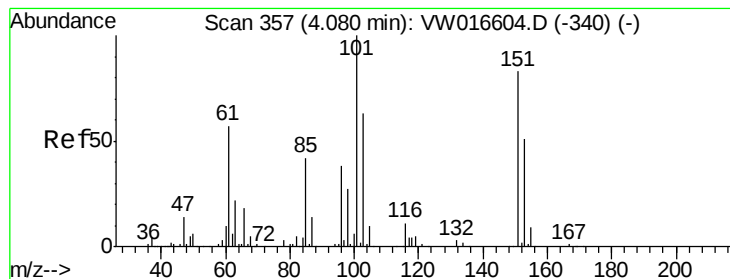
Tgt Ion: 101 Resp: 184763

Ion Ratio Lower Upper

101 100

103 64.3 45.2 84.0





#11

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

Concen: 26.852 ug/L

RT: 4.09 min Scan# 358

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

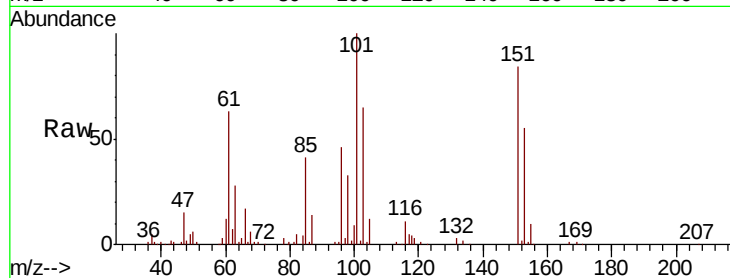
Tot Ion:101 Resp: 201735

Ion Ratio Lower Upper

101 100

85 42.2 32.6 49.0

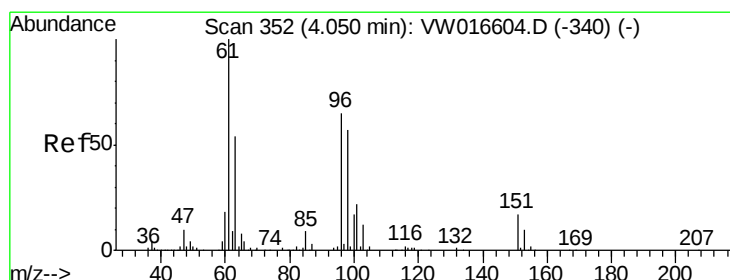
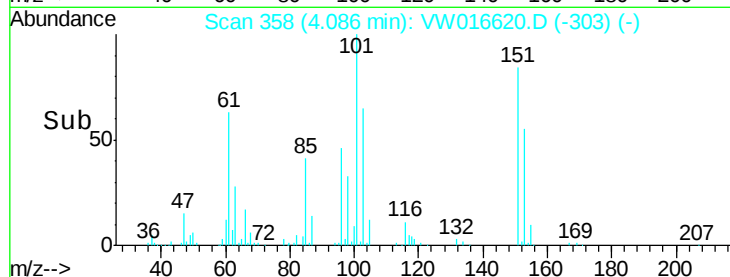
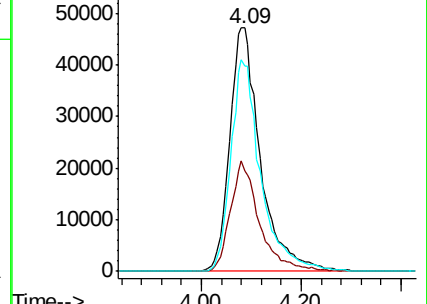
151 84.3 66.0 99.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.039 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

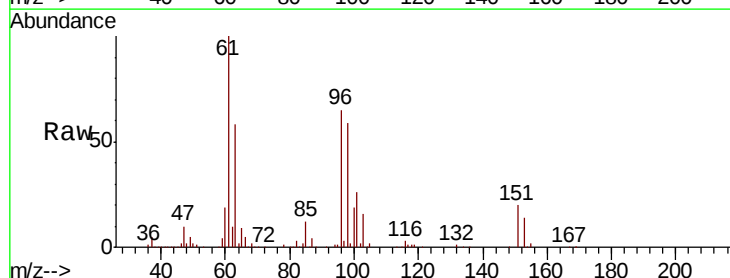
Tgt Ion: 96 Resp: 192324

Ion Ratio Lower Upper

96 100

61 154.3 111.4 206.8

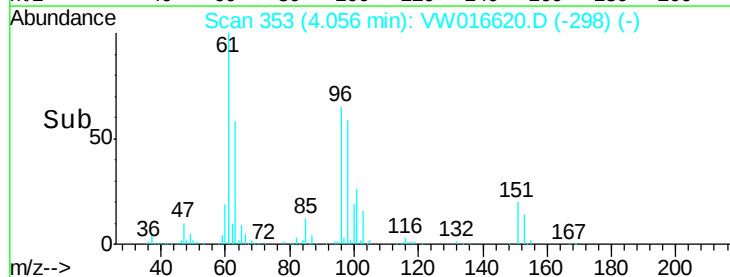
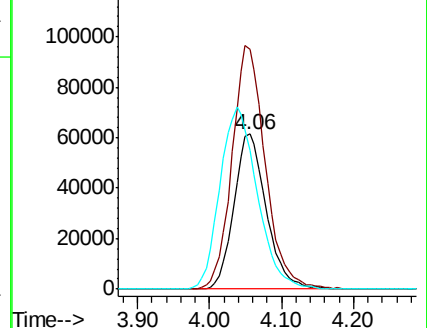
63 89.5 73.0 135.6

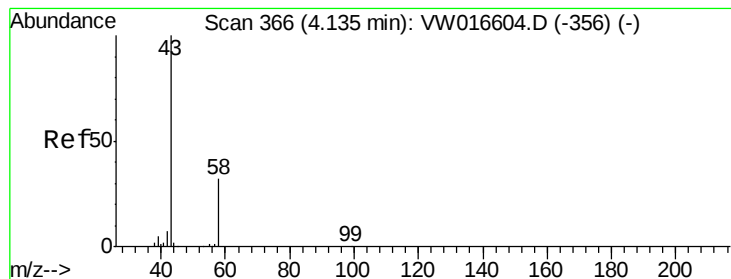


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.916 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

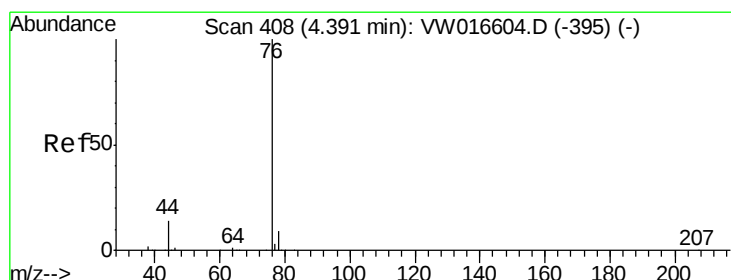
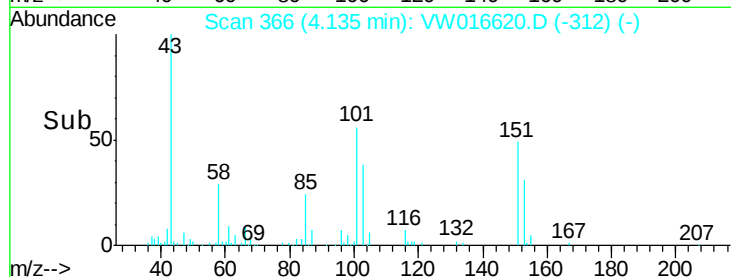
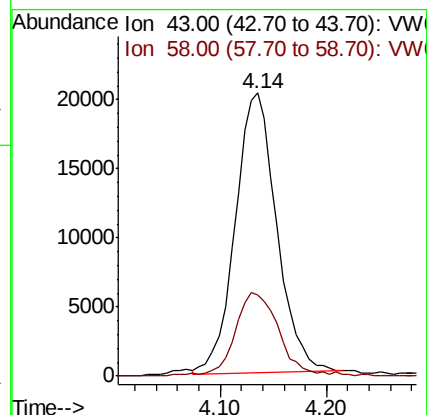
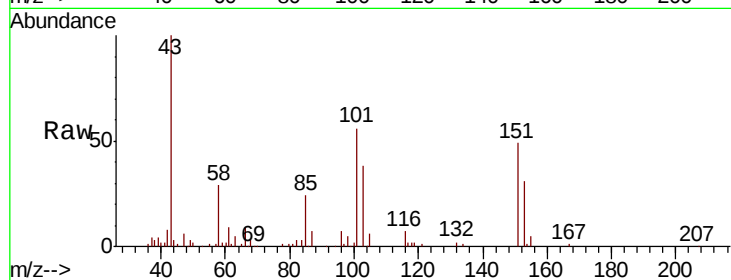
VSTD02527

Tot Ion: 43 Resp: 55347

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.2



#14

Carbon disulfide

Concen: 24.555 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016620.D

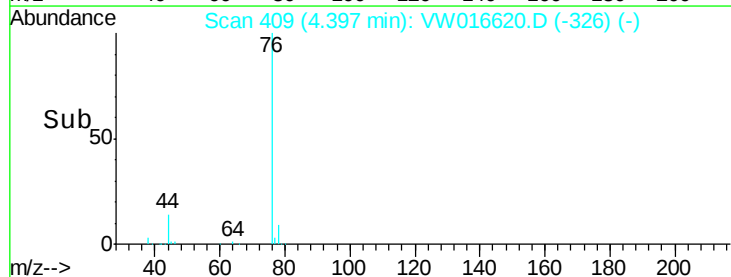
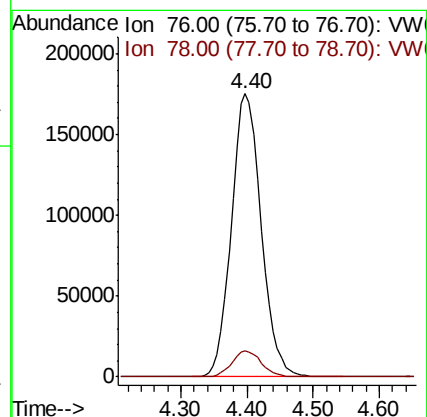
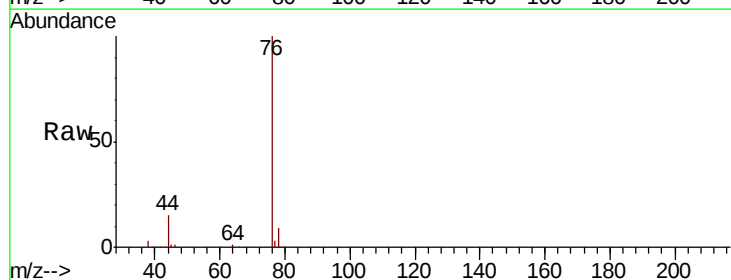
Acq: 22 Sep 2020 19:27

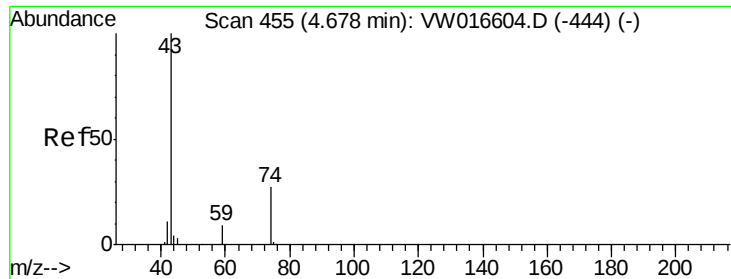
Tgt Ion: 76 Resp: 547158

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

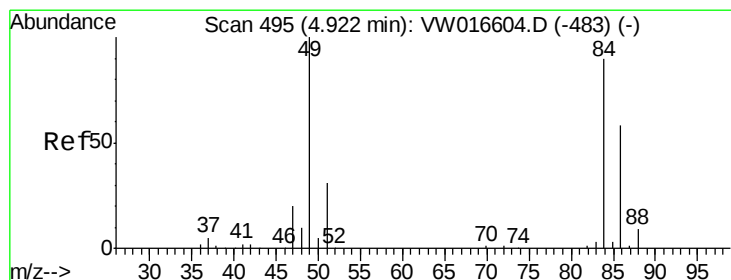
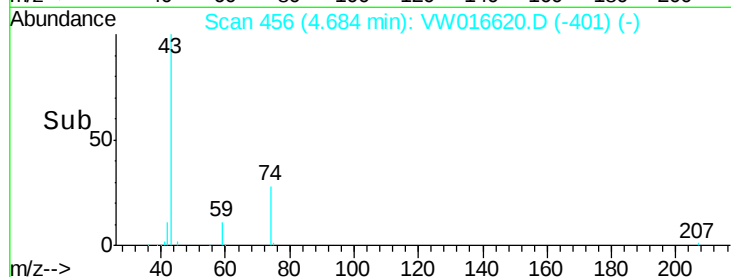
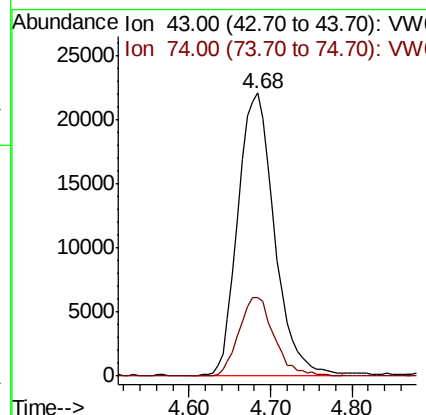
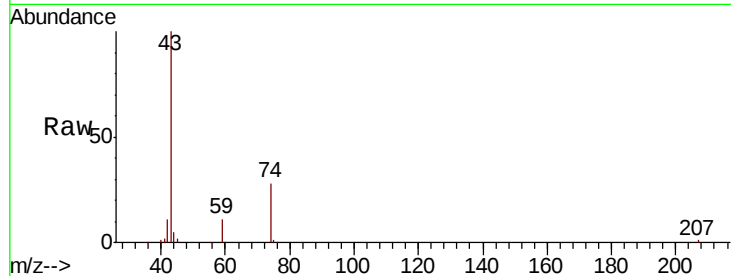




#15
Methvl Acetate
Concen: 25.118 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

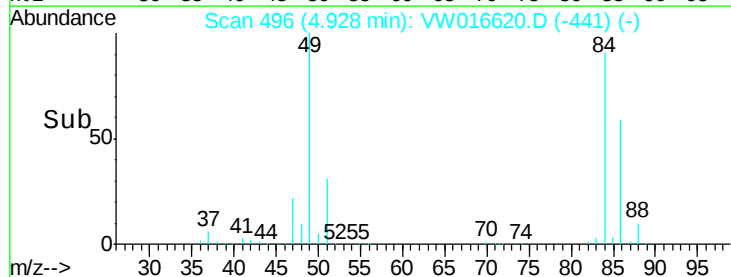
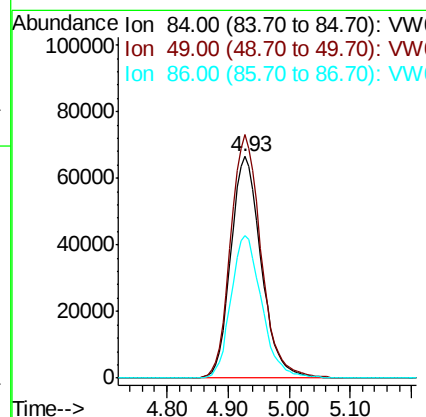
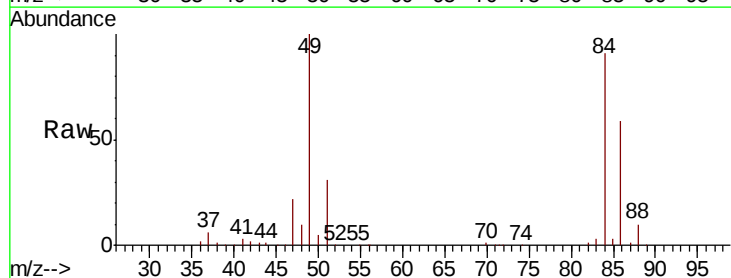
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

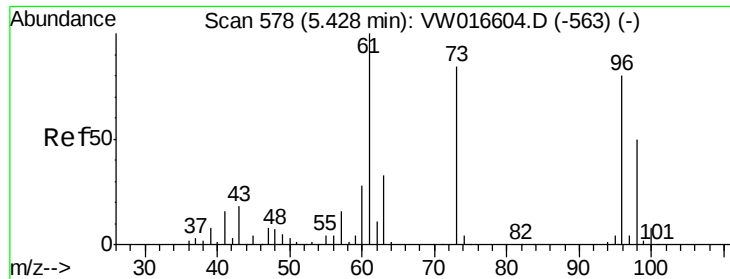
Tot Ion: 43 Resp: 68943
Ion Ratio Lower Upper
43 100
74 26.6 21.5 32.3



#16
Methylene chloride
Concen: 25.445 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Tgt Ion: 84 Resp: 228838
Ion Ratio Lower Upper
84 100
49 109.8 76.0 141.2
86 64.3 45.6 84.6

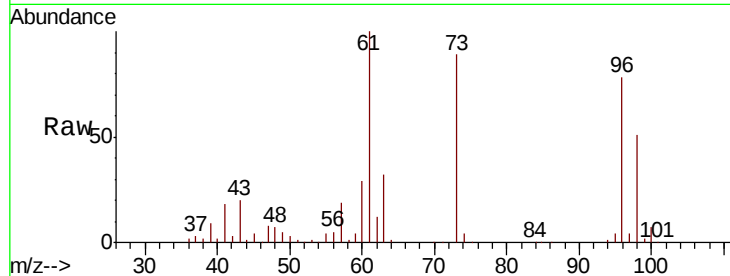




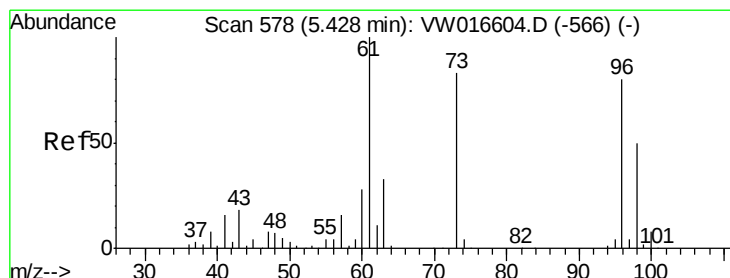
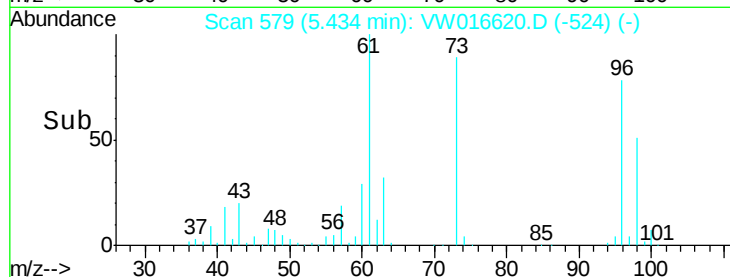
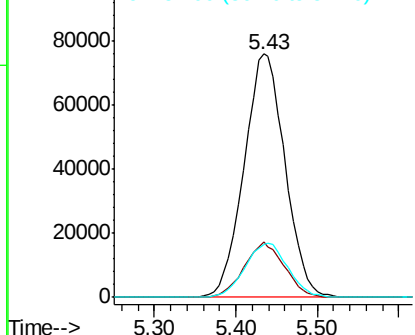
#17
Methvl tert-butvl Ether
Concen: 26.216 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Tot Ion: 73 Resp: 265209
Ion Ratio Lower Upper
73 100
43 22.3 17.2 25.8
57 23.4 16.3 24.5

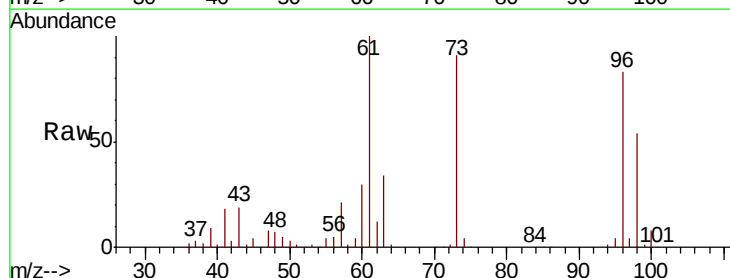


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

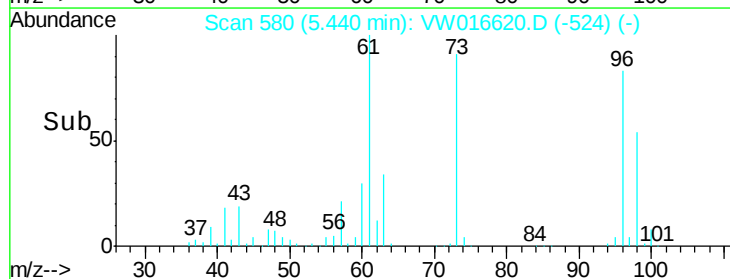
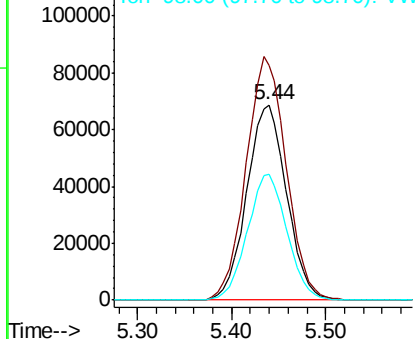


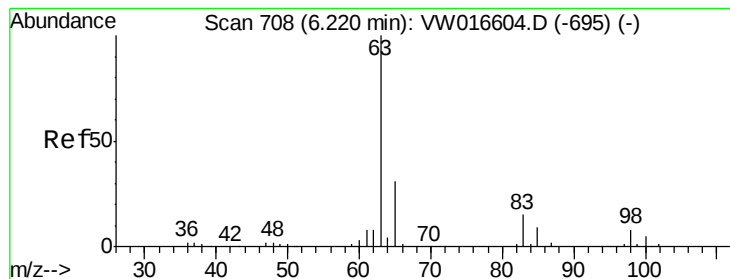
#18
trans-1,2-Dichloroethene
Concen: 26.668 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Tgt Ion: 96 Resp: 203975
Ion Ratio Lower Upper
96 100
61 120.3 88.4 164.2
98 64.6 43.0 80.0



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





#19

1,1-Dichloroethane

Concen: 26.490 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

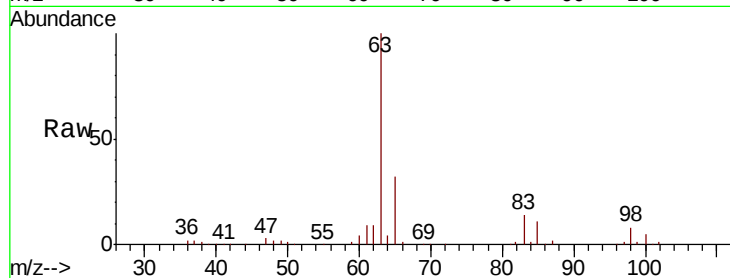
Tot Ion: 63 Resp: 320419

Ion Ratio Lower Upper

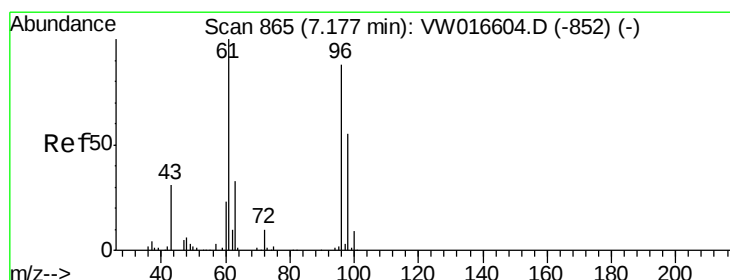
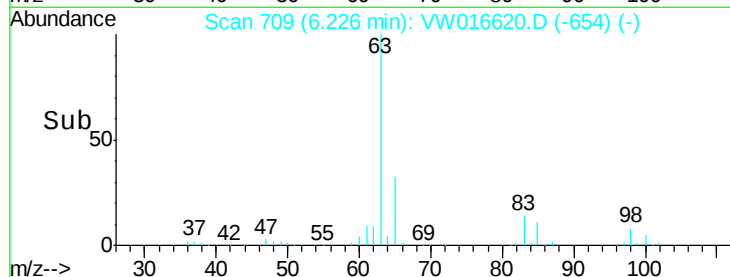
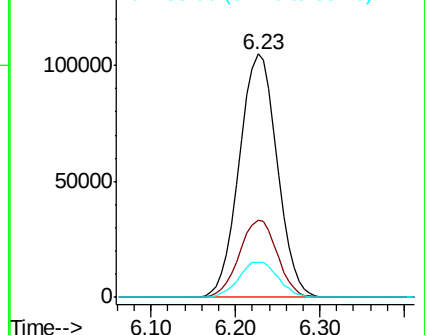
63 100

65 31.8 21.6 40.0

83 14.4 10.4 19.2



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



#21

2-Butanone

Concen: 42.411 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016620.D

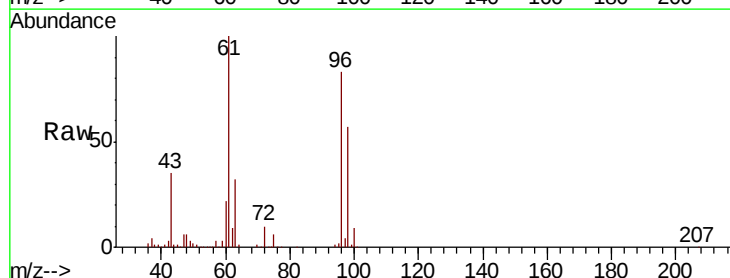
Acq: 22 Sep 2020 19:27

Tgt Ion: 43 Resp: 86972

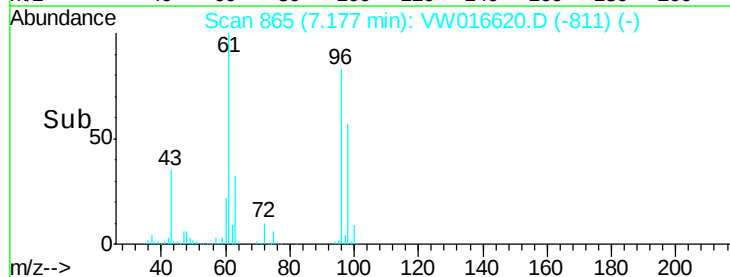
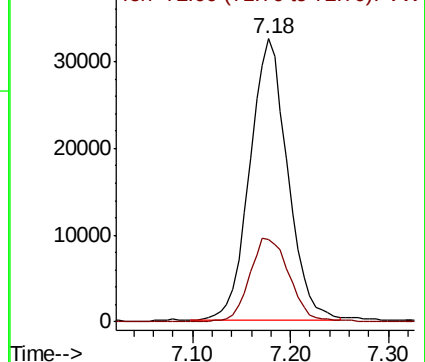
Ion Ratio Lower Upper

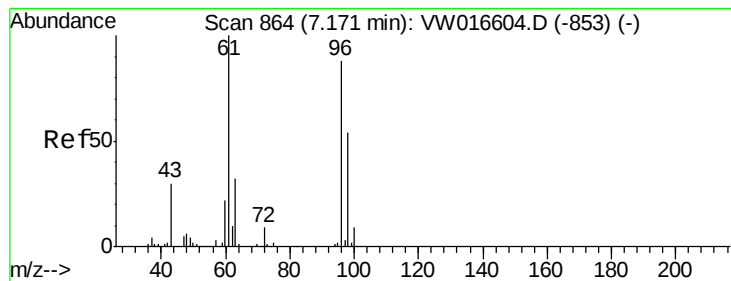
43 100

72 31.5 14.6 43.8



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



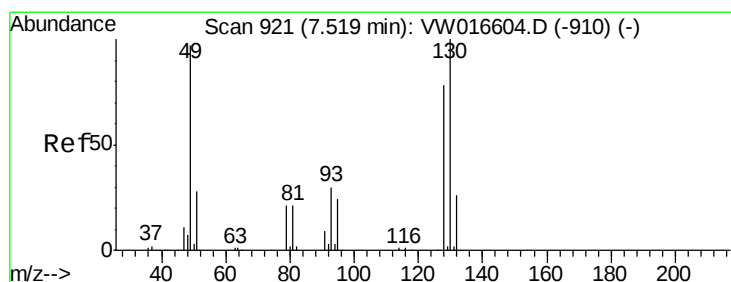
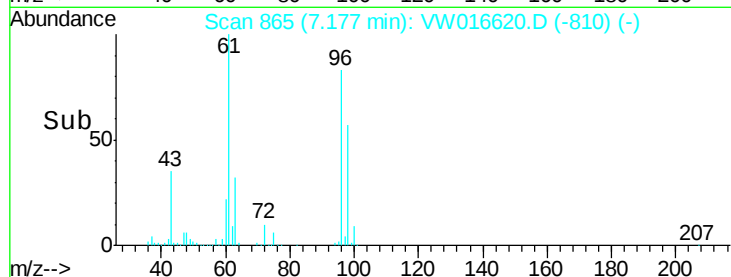
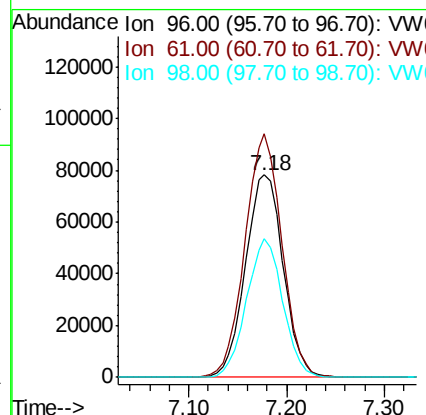
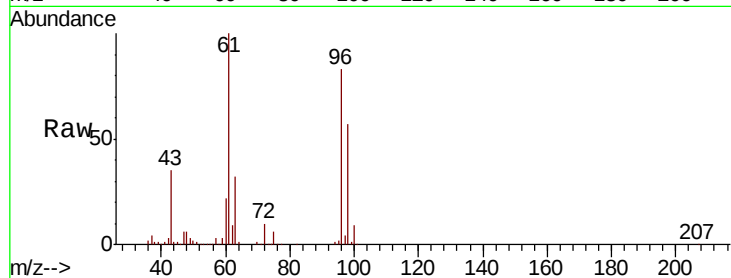


#22

cis-1,2-Dichloroethene
 Concen: 26.600 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

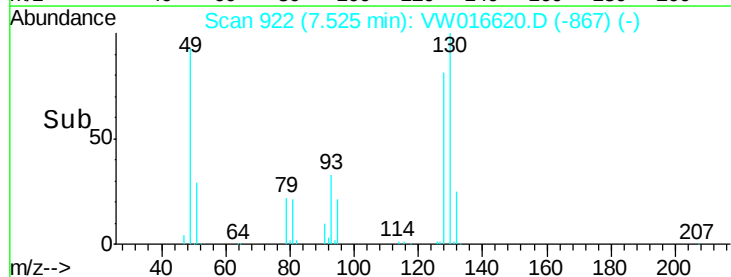
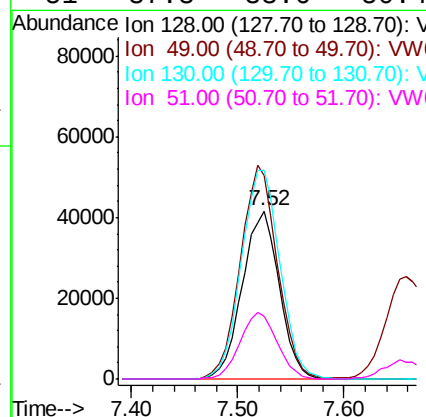
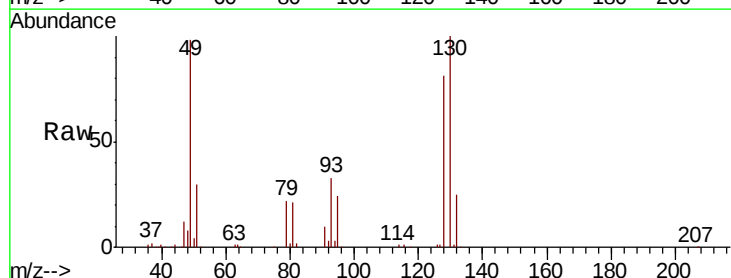
Tot Ion: 96 Resp: 211100
 Ion Ratio Lower Upper
 96 100
 61 120.2 78.4 145.6
 98 68.8 44.8 83.2

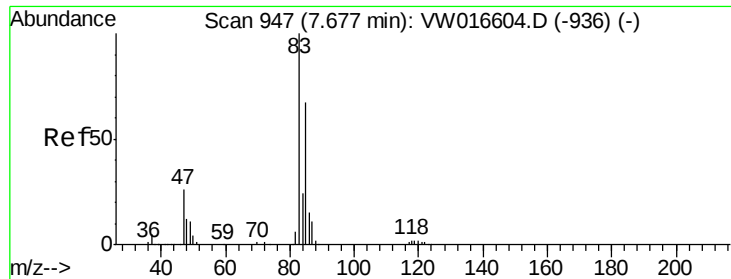


#23

Bromochloromethane
 Concen: 26.394 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Tgt Ion: 128 Resp: 101833
 Ion Ratio Lower Upper
 128 100
 49 121.2 92.1 171.1
 130 124.2 87.8 163.0
 51 37.3 33.6 50.4





#25

Chloroform

Concen: 27.066 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

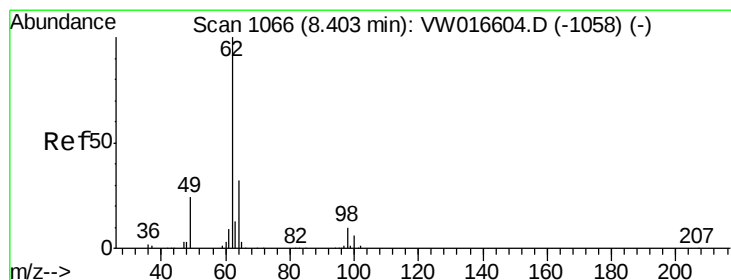
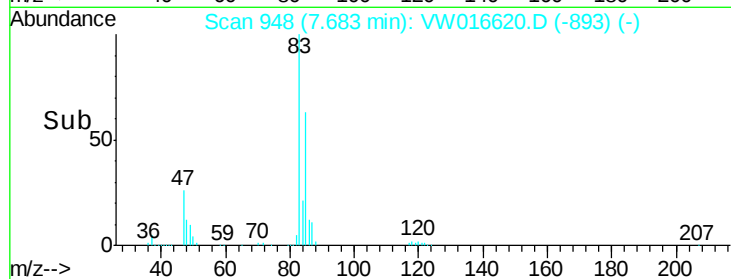
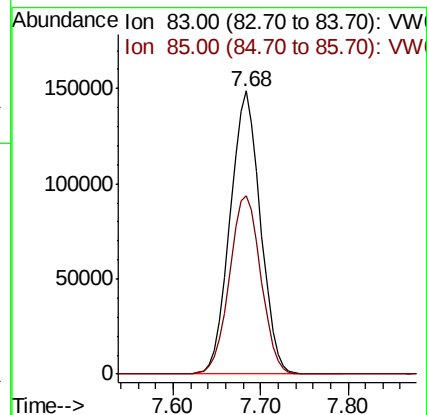
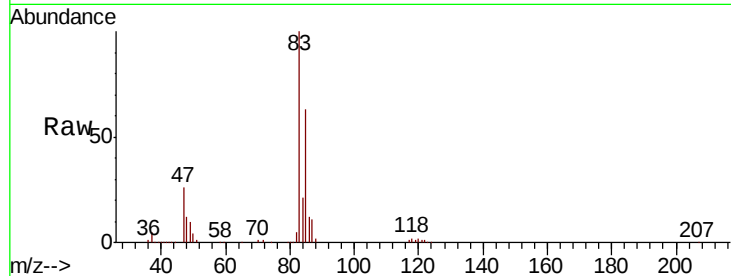
VSTD02527

Tot Ion: 83 Resp: 356937

Ion Ratio Lower Upper

83 100

85 65.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 26.654 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW016620.D

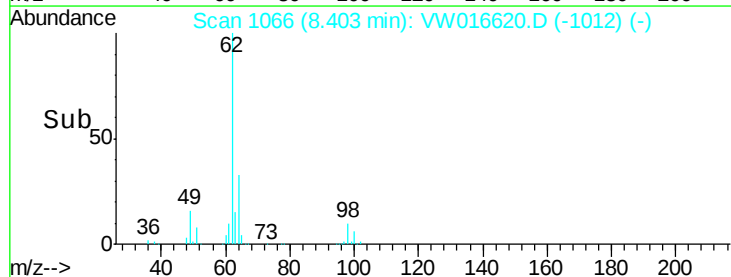
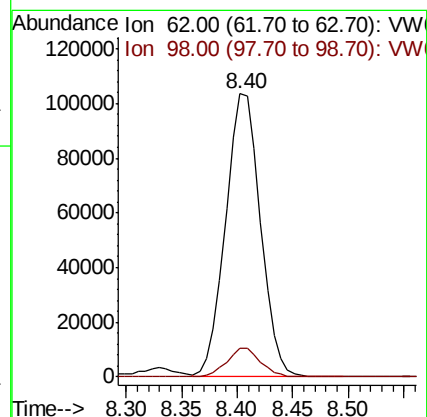
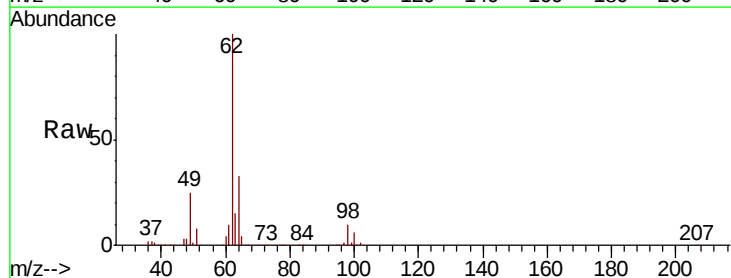
Acq: 22 Sep 2020 19:27

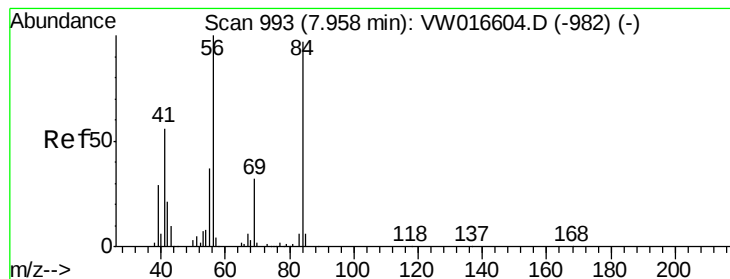
Tgt Ion: 62 Resp: 225539

Ion Ratio Lower Upper

62 100

98 10.0 7.9 11.9





#30

Cvclohexane

Concen: 25.555 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampled :

VSTD02527

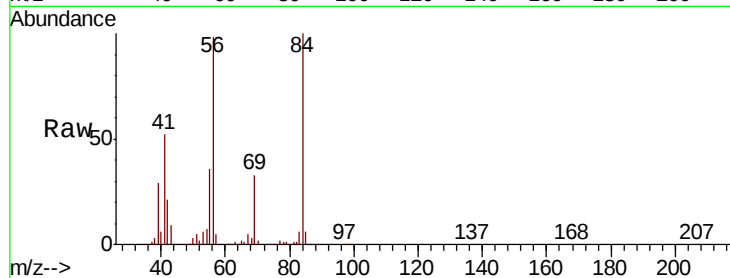
Tot Ion: 56 Resp: 292396

Ion Ratio Lower Upper

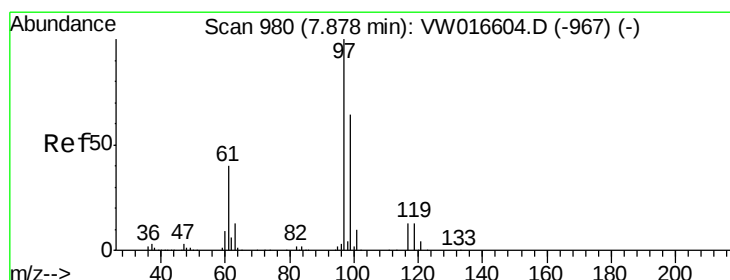
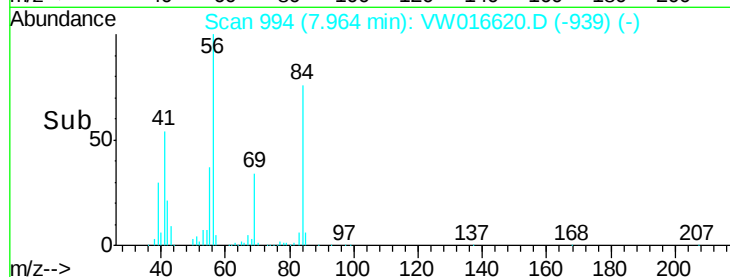
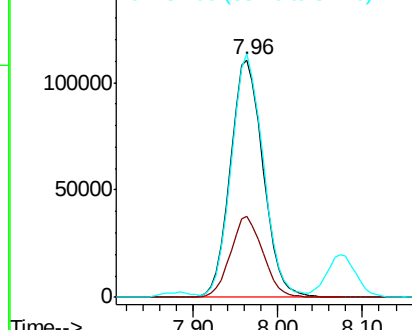
56 100

69 33.8 26.5 39.7

84 99.8 79.0 118.6



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



#31

1,1,1-Trichloroethane

Concen: 26.250 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

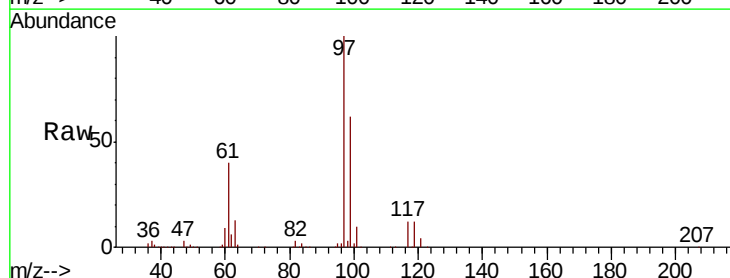
Tgt Ion: 97 Resp: 320992

Ion Ratio Lower Upper

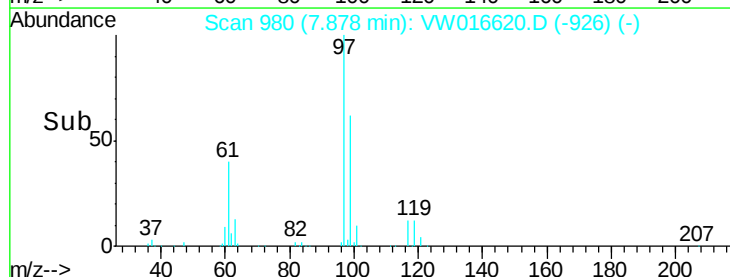
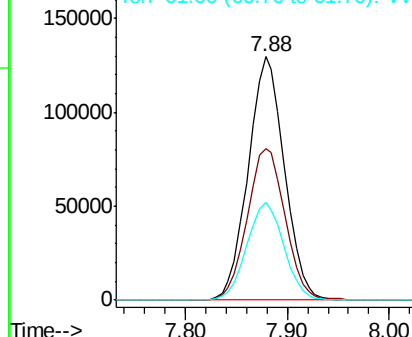
97 100

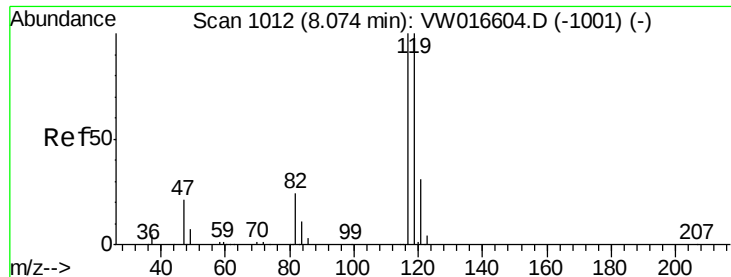
99 64.9 51.8 77.6

61 41.2 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 26.918 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

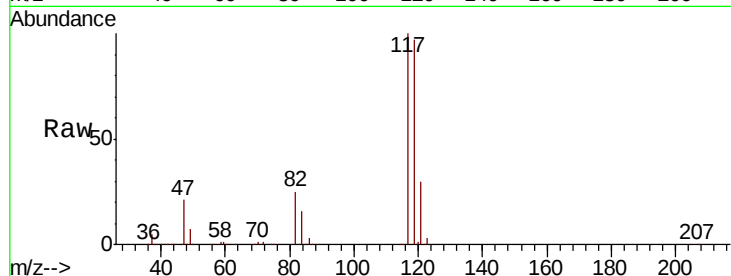
VSTD02527

Tot Ion:117 Resp: 319793

Ion Ratio Lower Upper

117 100

119 95.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

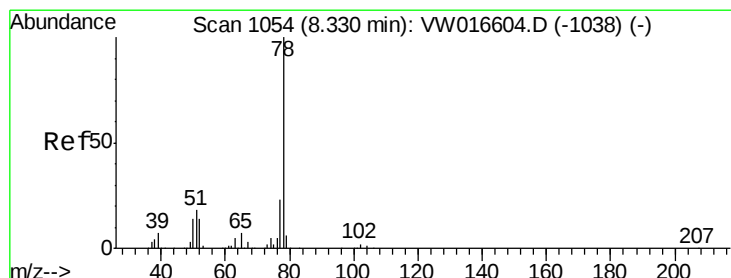
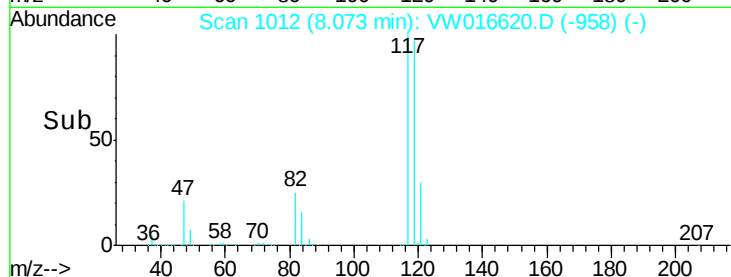
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 26.274 ug/L

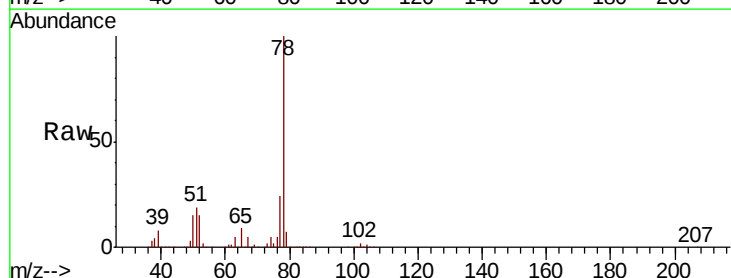
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Tgt Ion: 78 Resp: 737343



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

300000

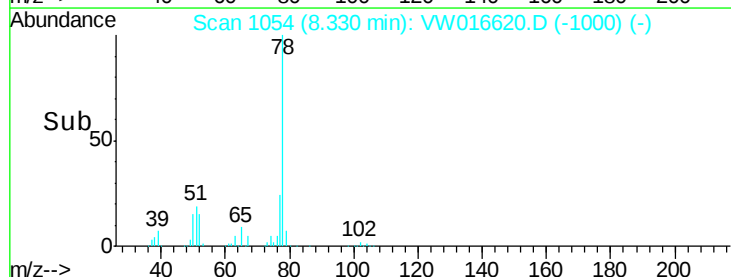
200000

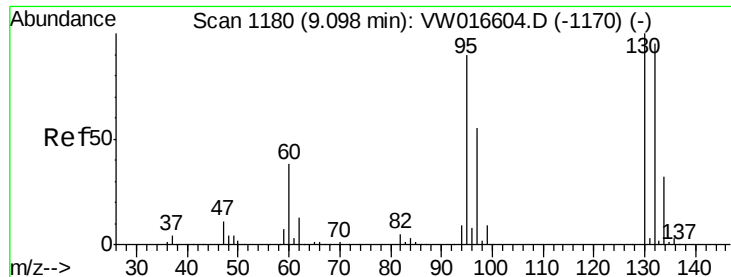
100000

0

Time-->

8.20 8.30 8.40

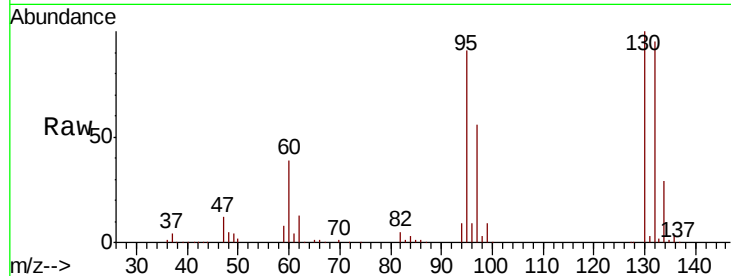




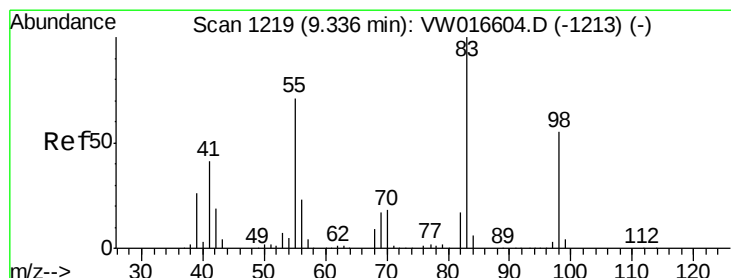
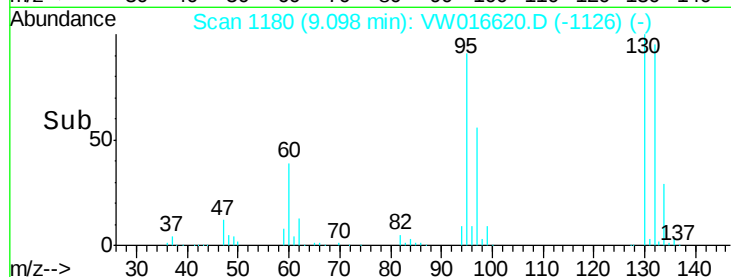
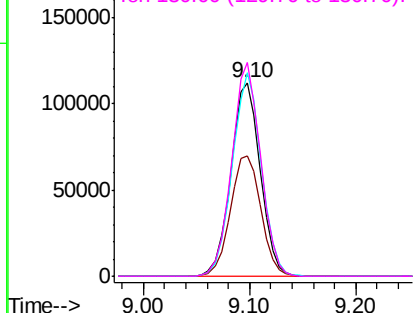
#35
 Trichloroethene
 Concen: 26.741 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion: 95 Resp: 217119
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.2 84.0
 132 103.6 73.3 136.1
 130 108.3 77.5 143.9

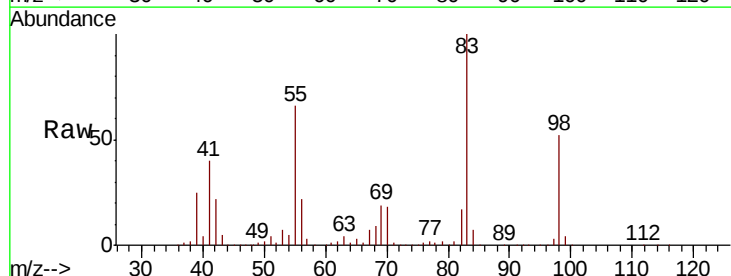


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

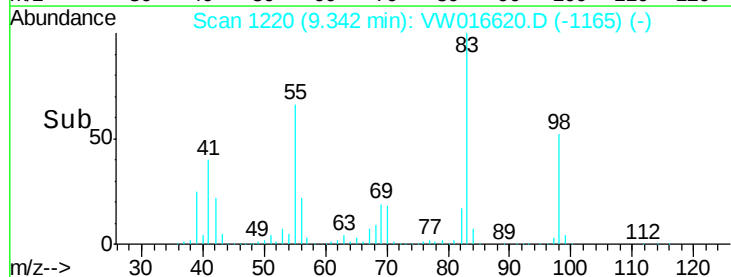
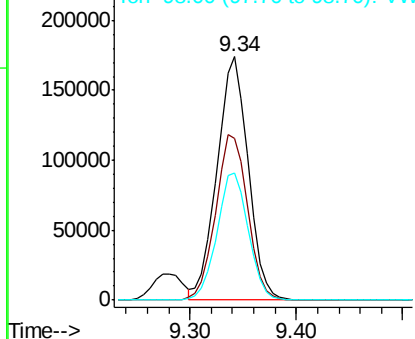


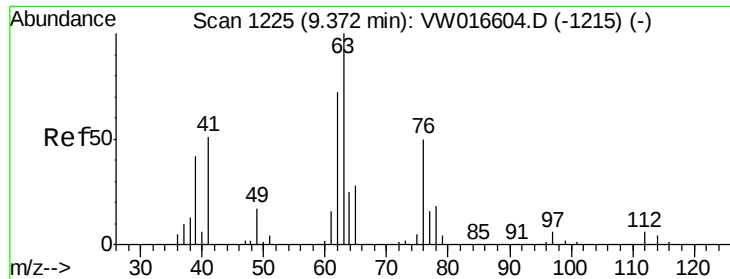
#36
 Methylcyclohexane
 Concen: 25.717 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Tgt Ion: 83 Resp: 354168
 Ion Ratio Lower Upper
 83 100
 55 69.5 55.9 83.9
 98 52.8 42.1 63.1



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

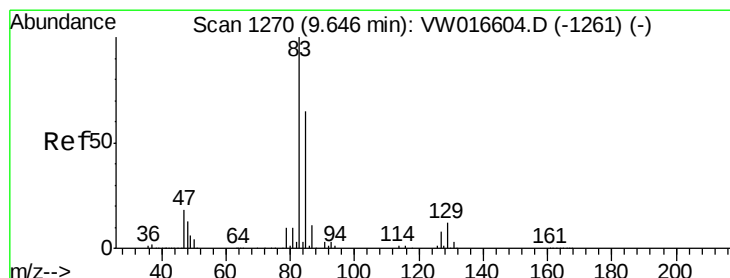
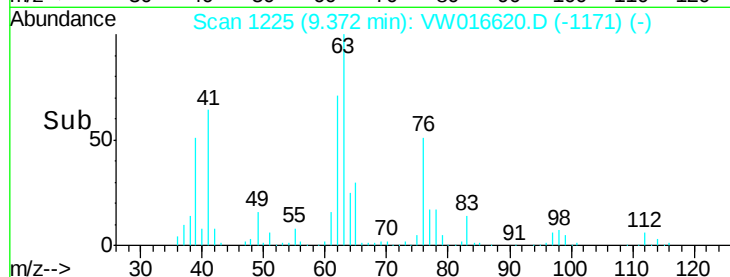
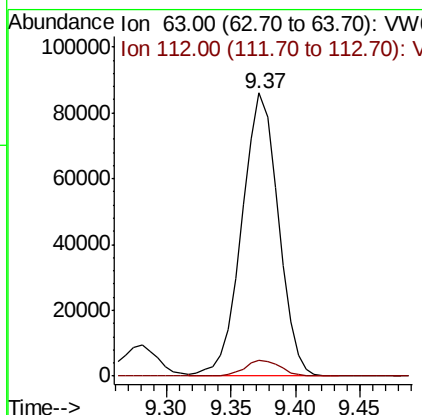
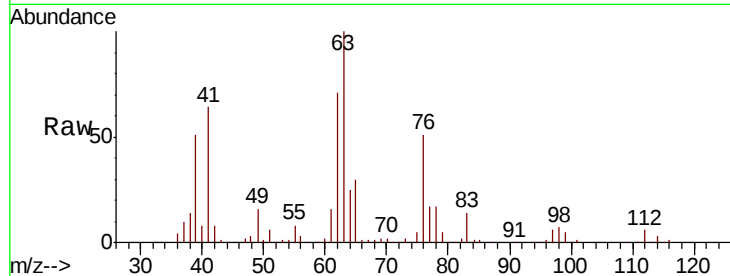




#40
 1,2-Dichloropropane
 Concen: 25.917 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

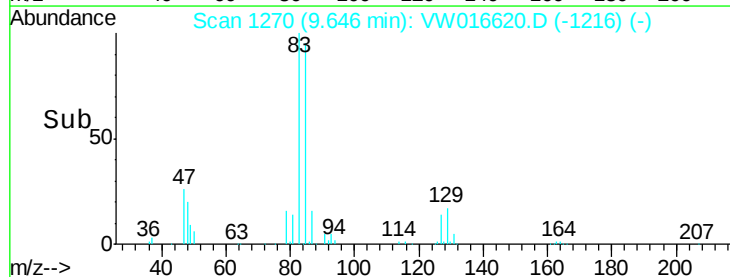
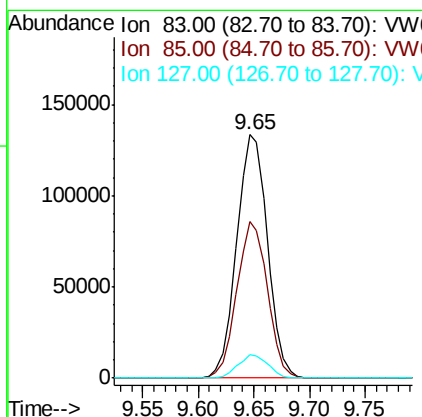
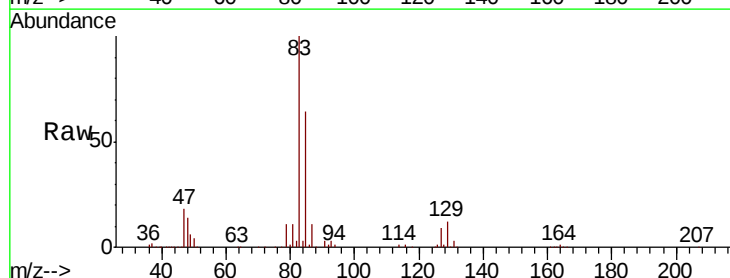
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02527

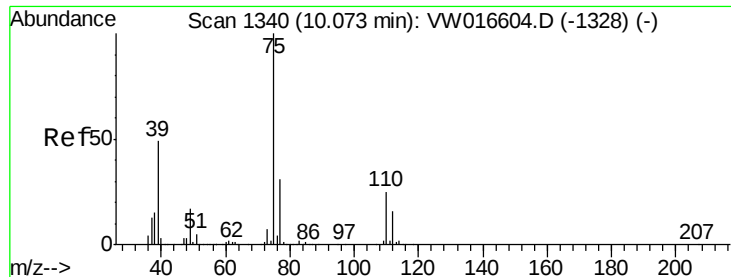
Tot Ion: 63 Resp: 169159
 Ion Ratio Lower Upper
 63 100
 112 5.6 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.455 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Tgt Ion: 83 Resp: 255882
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.8 86.8
 127 9.5 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 26.086 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

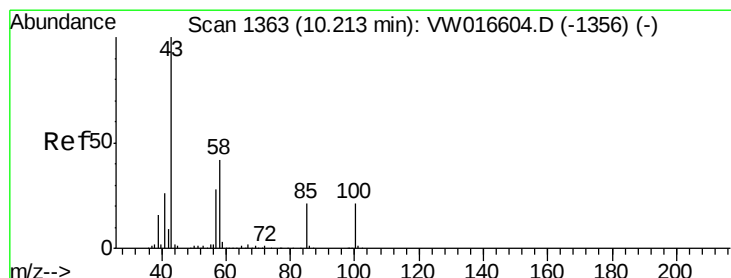
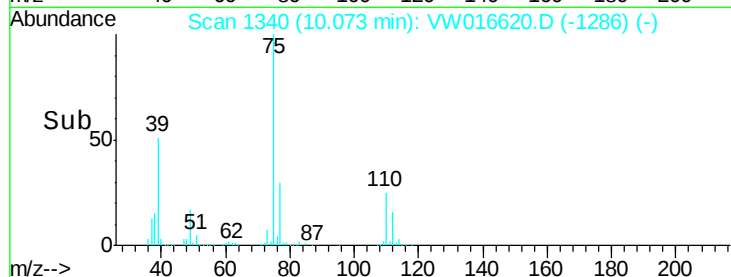
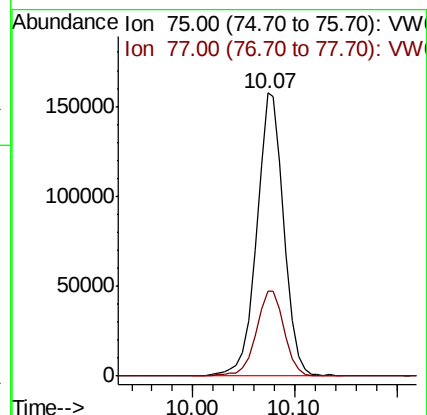
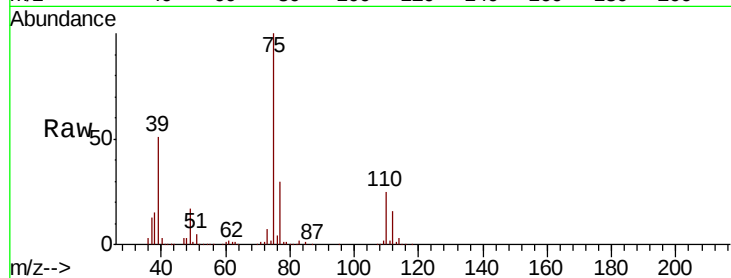
VSTD02527

Tot Ion: 75 Resp: 290826

Ion Ratio Lower Upper

75 100

77 30.2 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 48.663 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

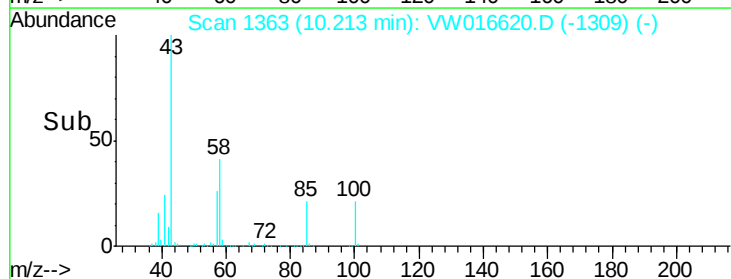
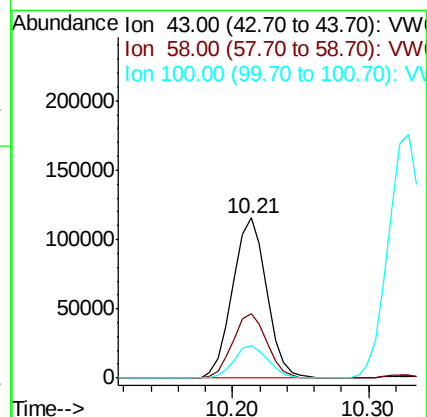
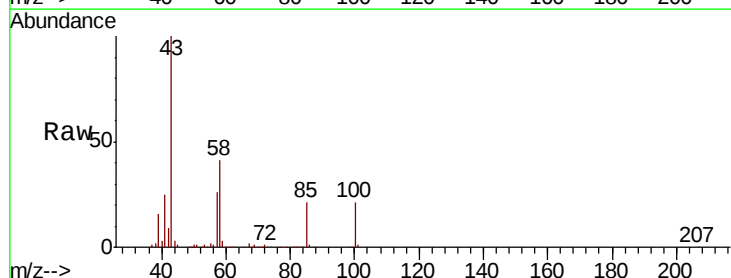
Tgt Ion: 43 Resp: 201801

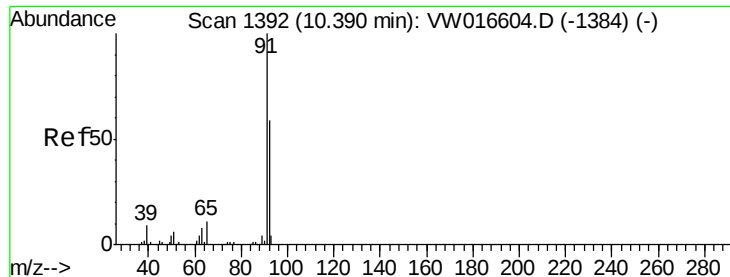
Ion Ratio Lower Upper

43 100

58 40.7 32.2 48.4

100 20.5 15.8 23.6





#44

Toluene

Concen: 28.277 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

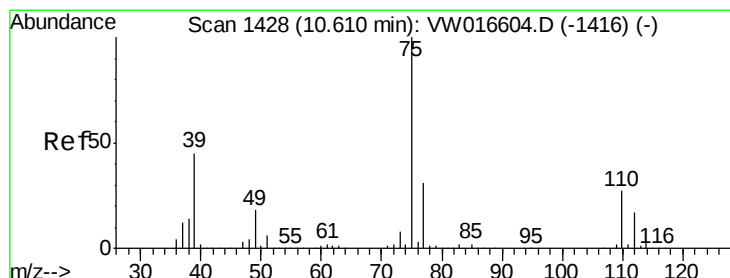
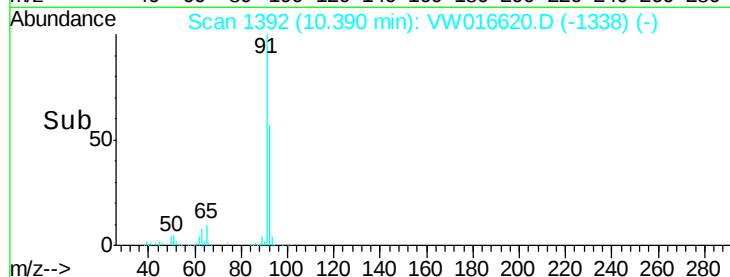
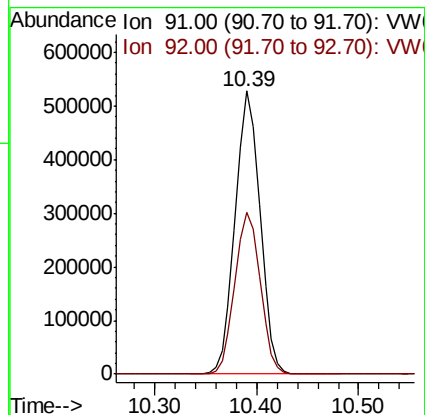
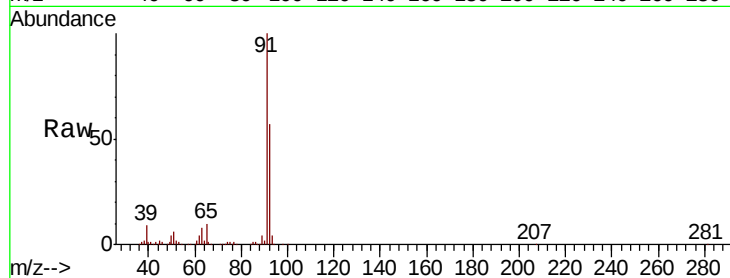
VSTD02527

Tot Ion: 91 Resp: 892329

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 26.497 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016620.D

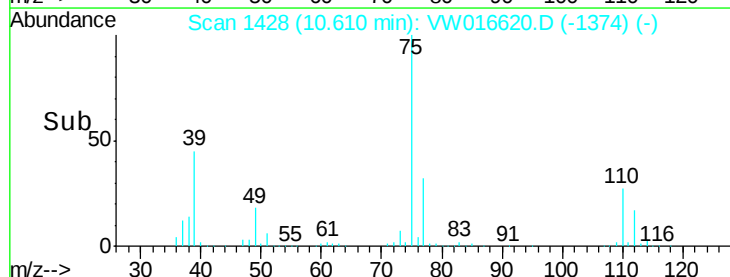
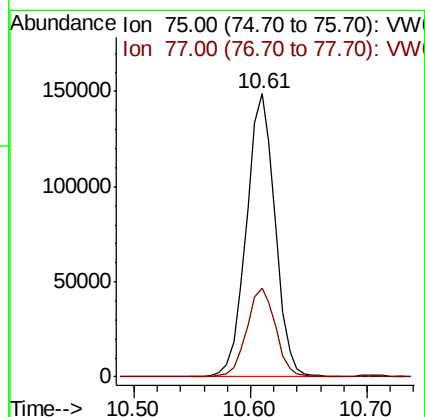
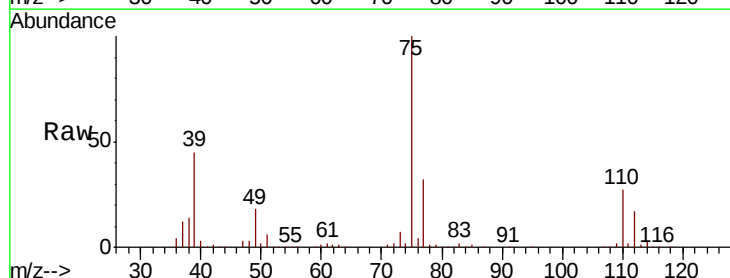
Acq: 22 Sep 2020 19:27

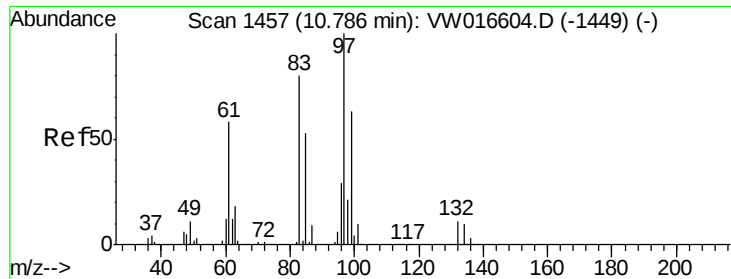
Tgt Ion: 75 Resp: 257019

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 26.530 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tot Ion: 97 Resp: 145877

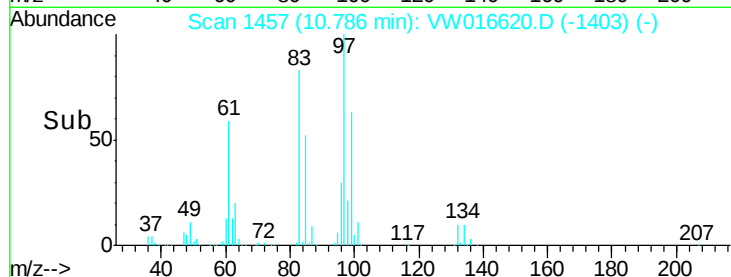
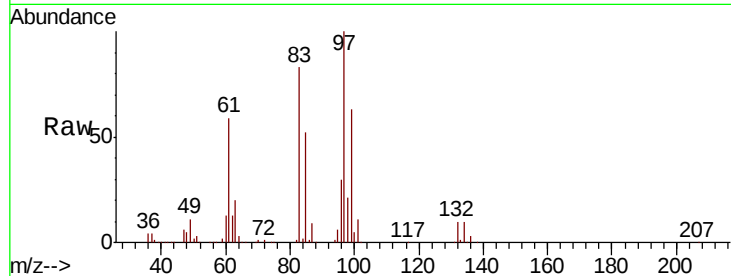
Ion	Ratio	Lower	Upper
97	100		
83	82.6	55.7	103.5
85	51.7	36.8	68.4
99	63.1	43.7	81.1

97 100

83 82.6 55.7 103.5

85 51.7 36.8 68.4

99 63.1 43.7 81.1



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

120000

100000

80000

60000

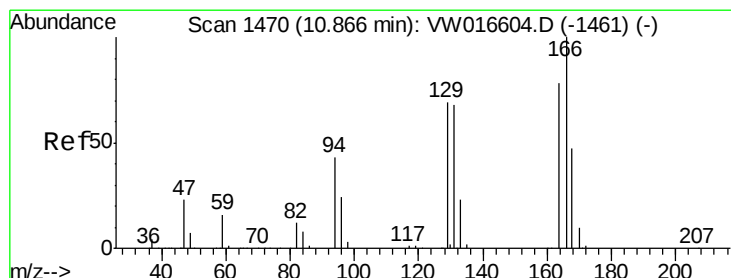
40000

20000

0

10.79

Time-->



#47

Tetrachloroethene

Concen: 27.201 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Tgt Ion: 164 Resp: 199430

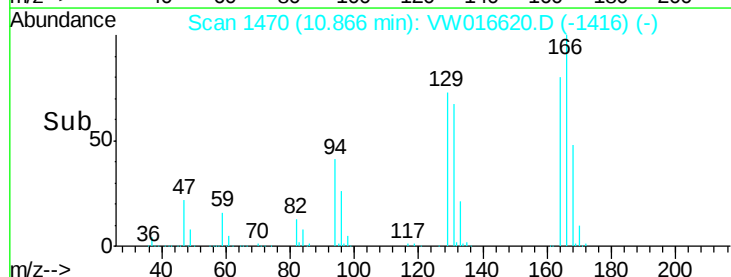
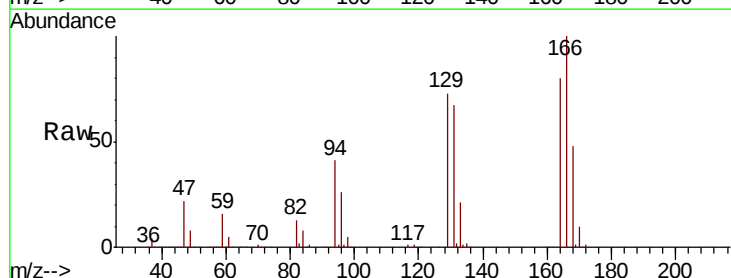
Ion	Ratio	Lower	Upper
164	100		
129	91.4	55.6	103.2
131	84.2	57.2	106.2
166	125.8	86.5	160.6

164 100

129 91.4 55.6 103.2

131 84.2 57.2 106.2

166 125.8 86.5 160.6



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

200000

150000

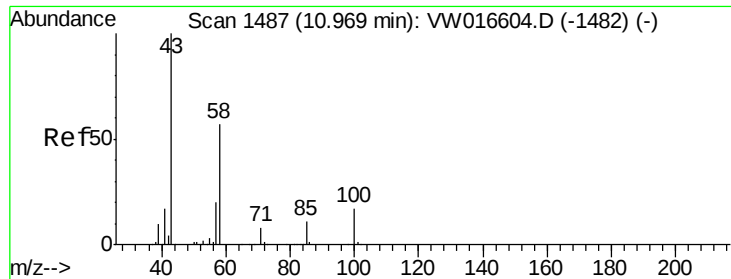
100000

50000

0

10.87

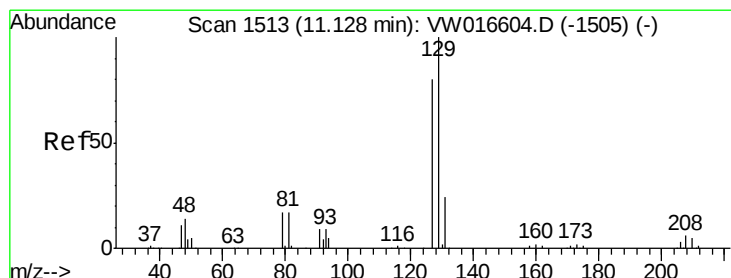
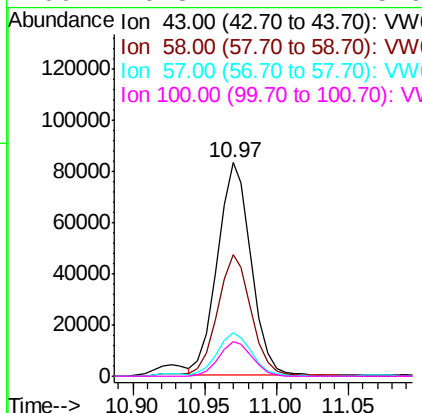
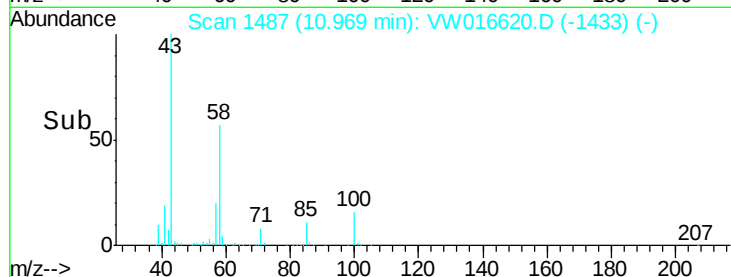
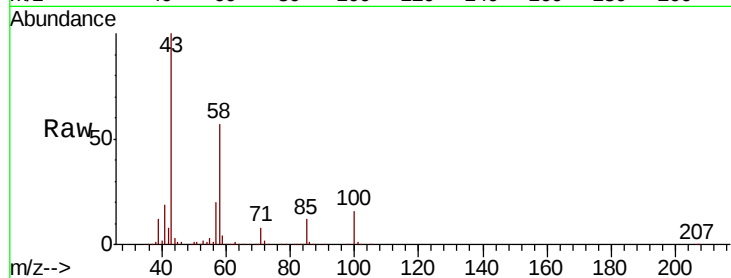
Time-->



#49
2-Hexanone
Concen: 51.593 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

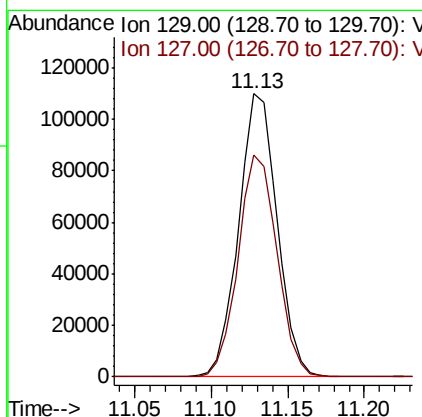
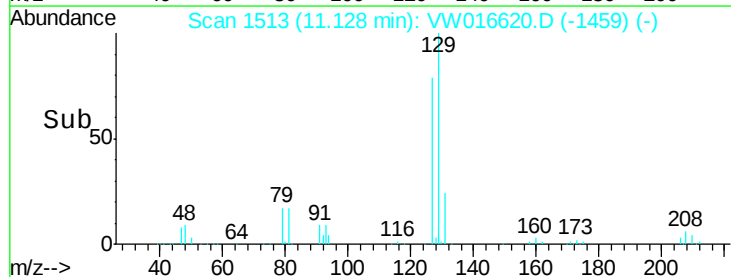
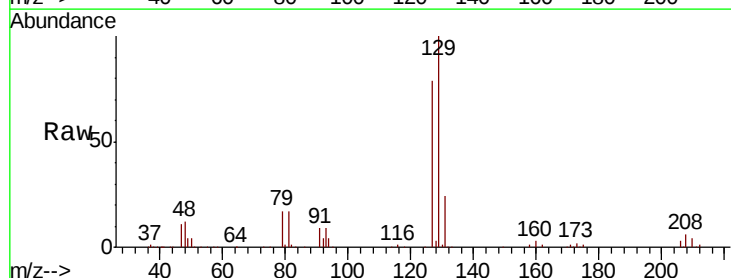
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

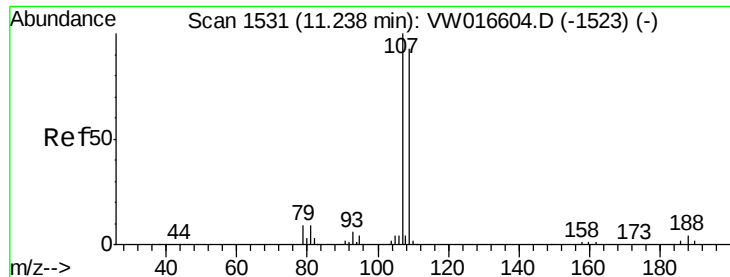
Tot Ion: 43 Resp: 135781
Ion Ratio Lower Upper
43 100
58 56.6 44.2 66.2
57 20.4 16.3 24.5
100 16.3 12.4 18.6



#50
Dibromochloromethane
Concen: 26.803 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Tgt Ion: 129 Resp: 192421
Ion Ratio Lower Upper
129 100
127 78.6 52.4 97.4

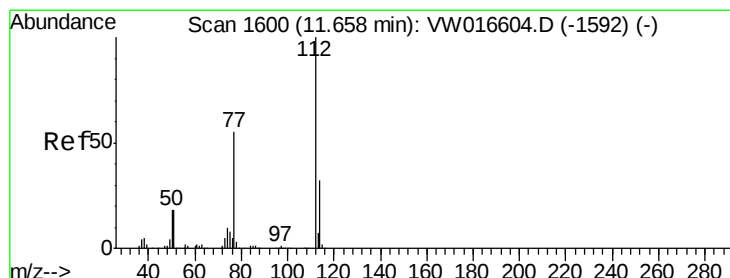
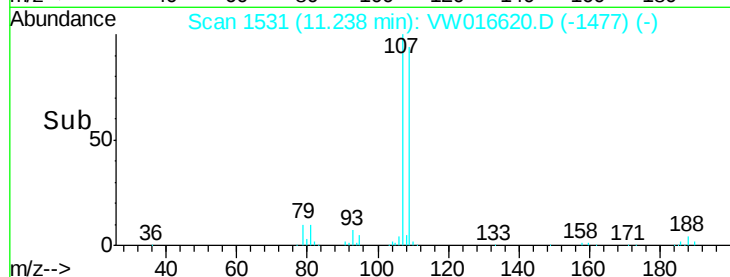
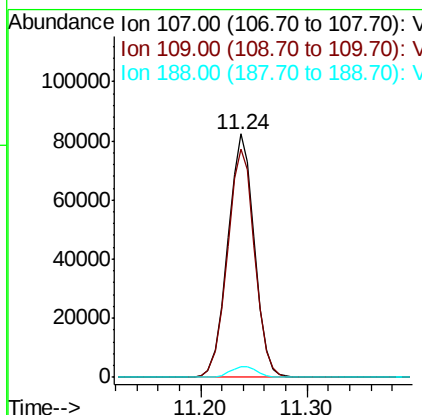
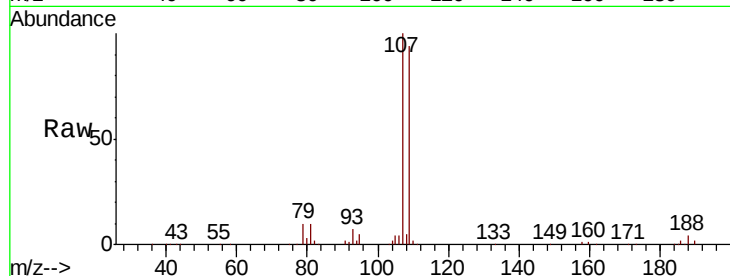




#51
1,2-Dibromoethane
Concen: 26.081 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

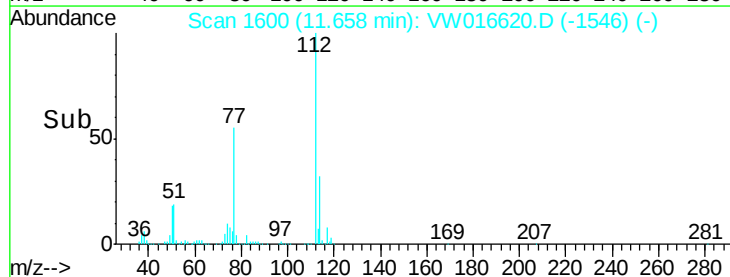
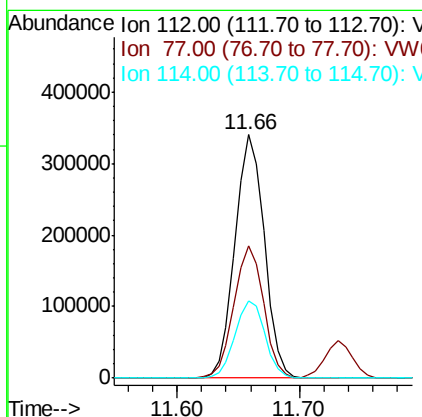
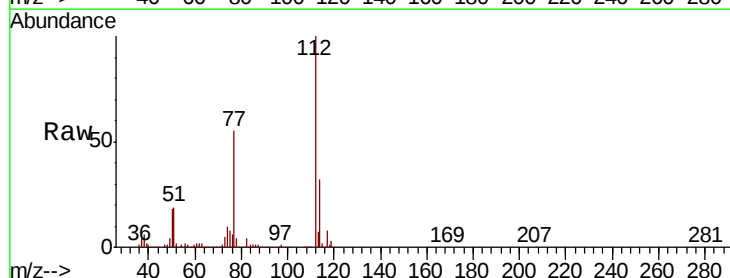
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

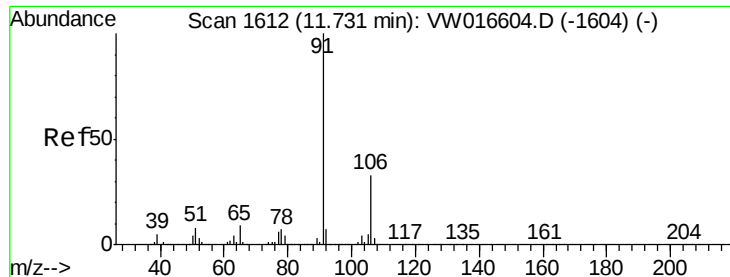
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	63.0	117.0
188	4.2	3.1	4.7



#52
Chlorobenzene
Concen: 26.694 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.5	43.1	64.7
114	31.5	22.3	41.3





#53

Ethylbenzene

Concen: 27.055 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

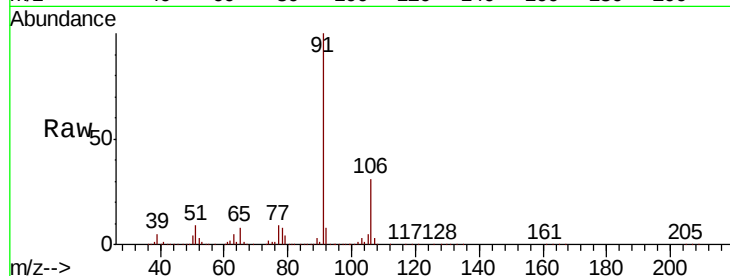
VSTD02527

Tot Ion: 91 Resp: 969281

Ion Ratio Lower Upper

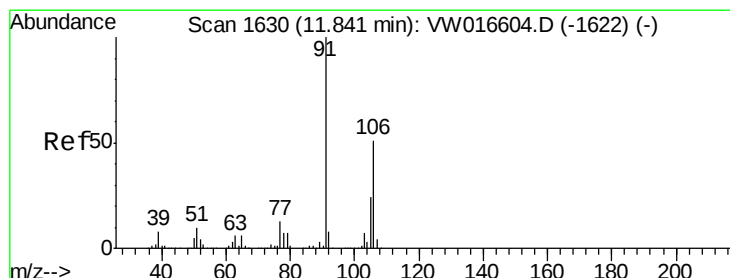
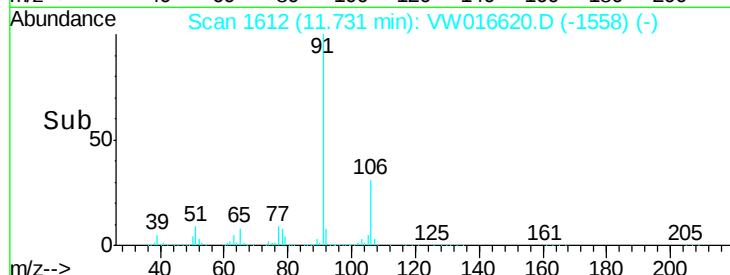
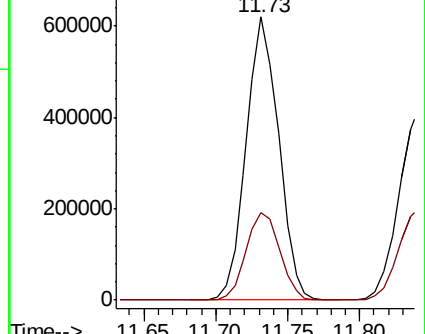
91 100

106 31.1 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.595 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016620.D

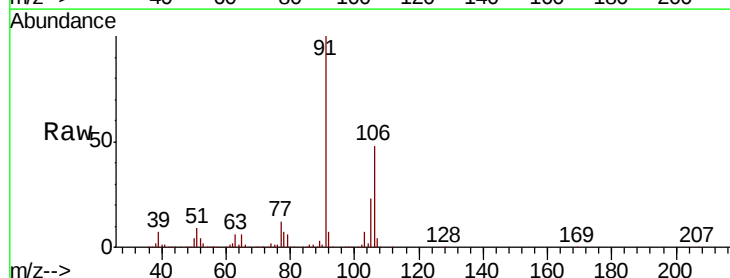
Acq: 22 Sep 2020 19:27

Tgt Ion:106 Resp: 387123

Ion Ratio Lower Upper

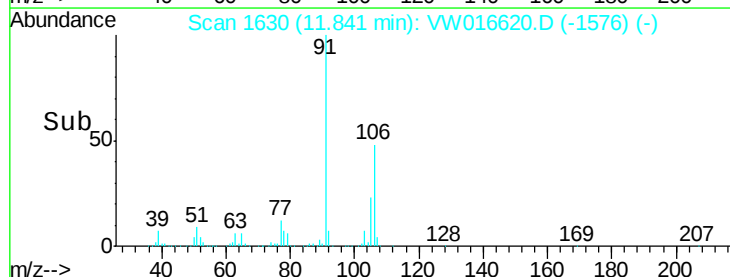
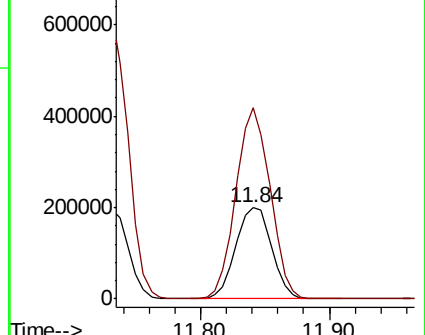
106 100

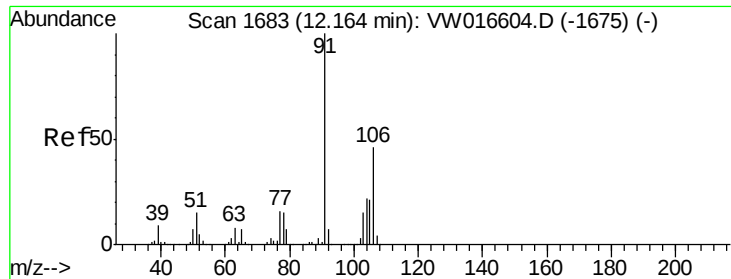
91 210.4 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

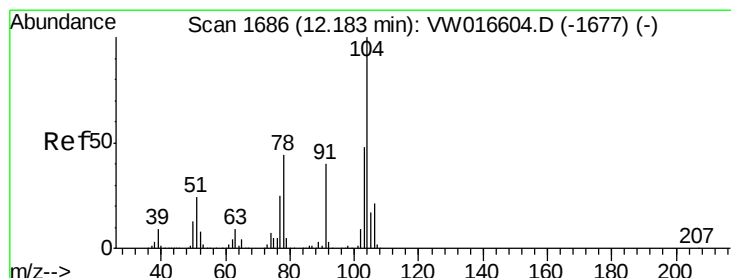
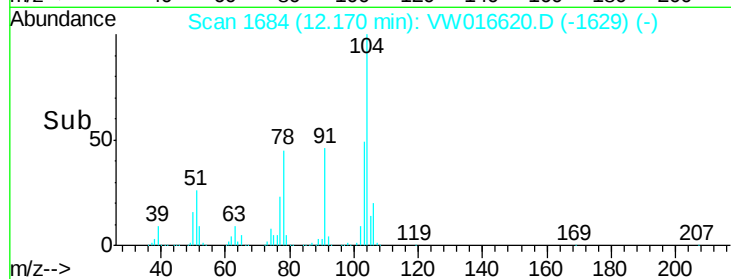
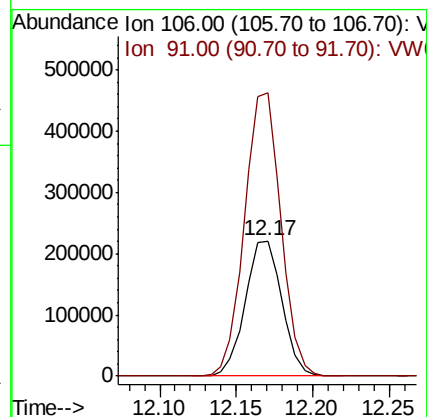
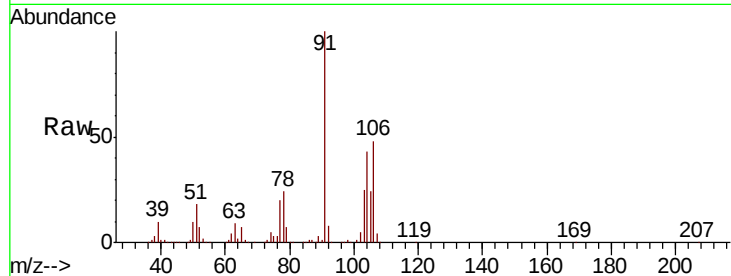




#55
o-xylene
Concen: 27.347 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

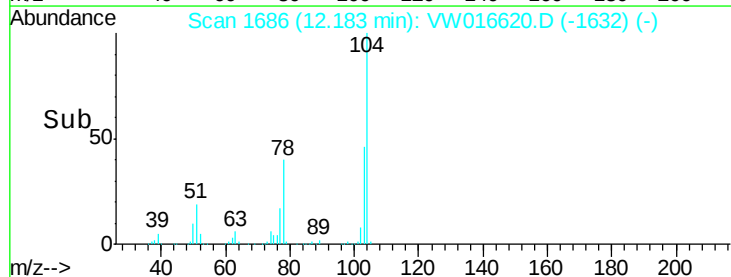
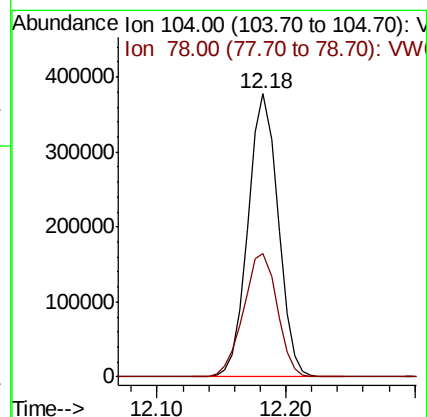
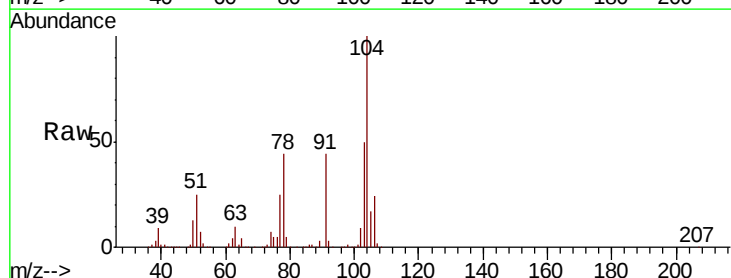
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

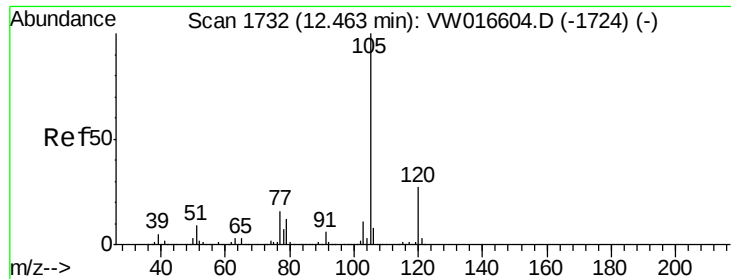
Tot Ion:106 Resp: 367543
Ion Ratio Lower Upper
106 100
91 209.3 144.8 268.8



#56
Styrene
Concen: 27.268 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016620.D
Acq: 22 Sep 2020 19:27

Tgt Ion:104 Resp: 608558
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.2





#57

Isopropylbenzene

Concen: 27.660 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

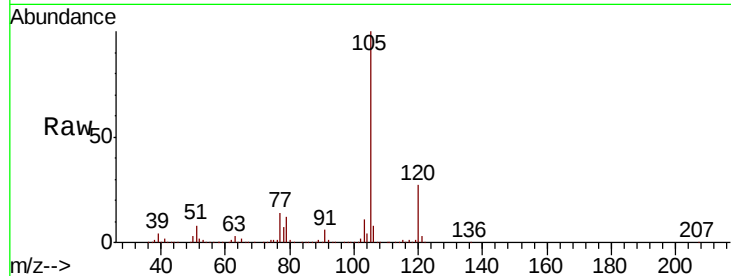
Tot Ion:105 Resp: 1015788

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

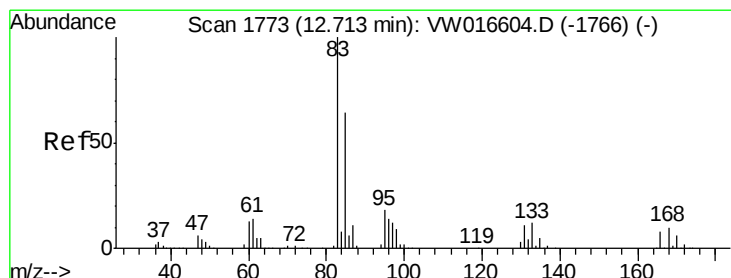
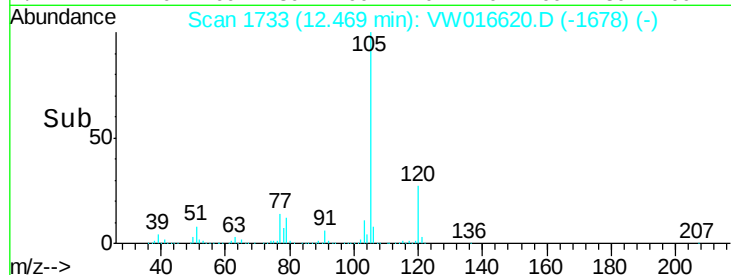
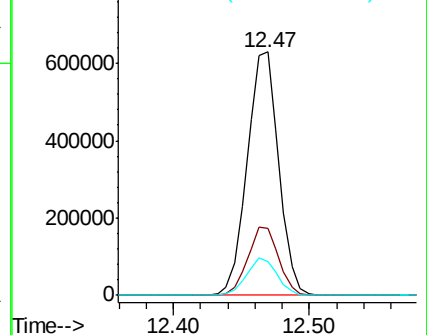
77 14.9 12.2 18.2



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: 26.185 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

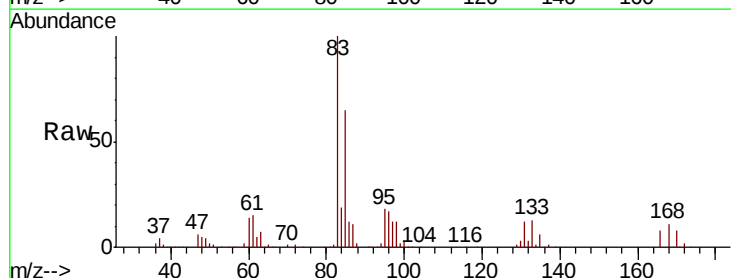
Tgt Ion: 83 Resp: 161008

Ion Ratio Lower Upper

83 100

85 65.5 46.0 85.4

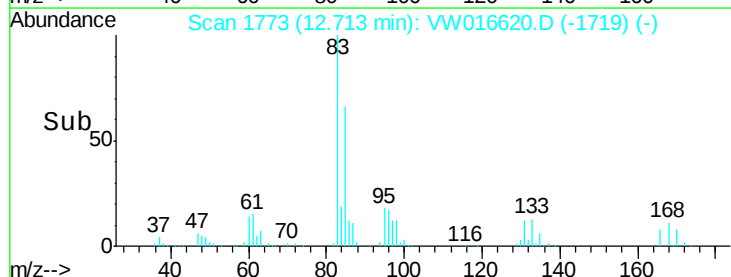
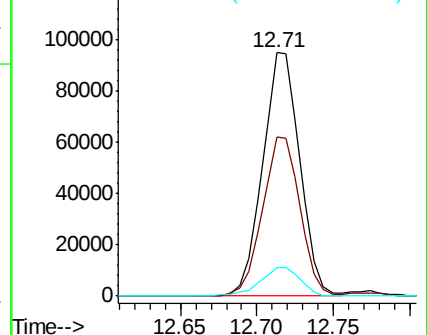
131 11.6 9.0 13.6

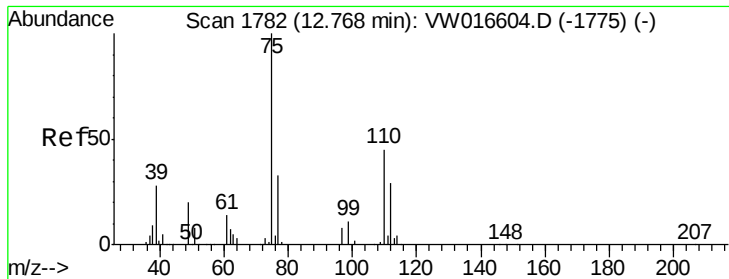


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.920 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

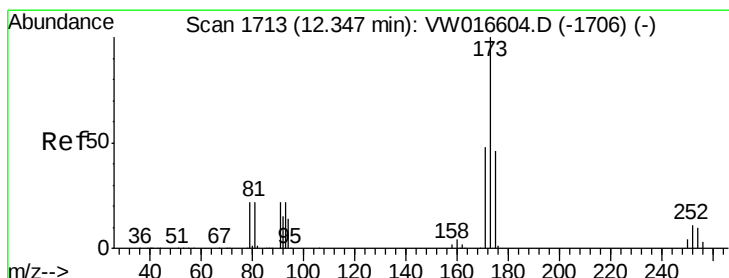
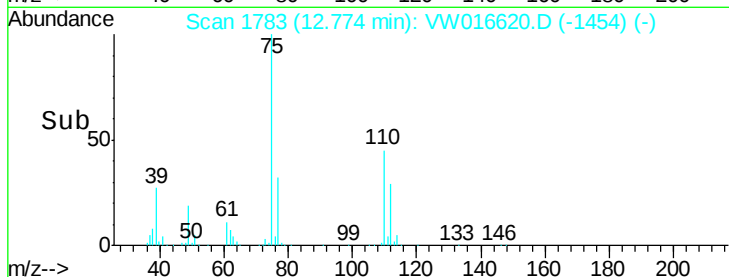
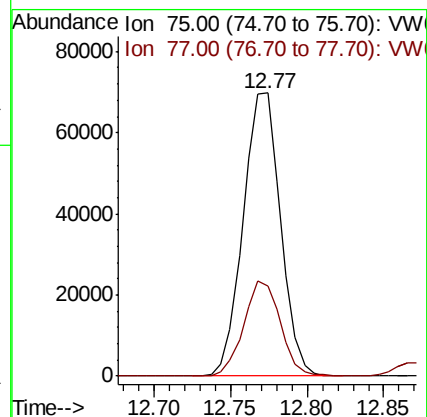
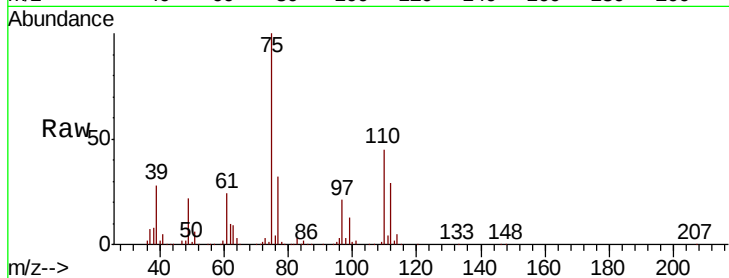
VSTD02527

Tot Ion: 75 Resp: 118712

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.4



#62

Bromoform

Concen: 26.059 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

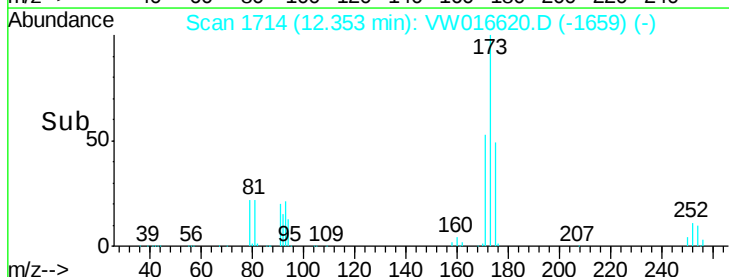
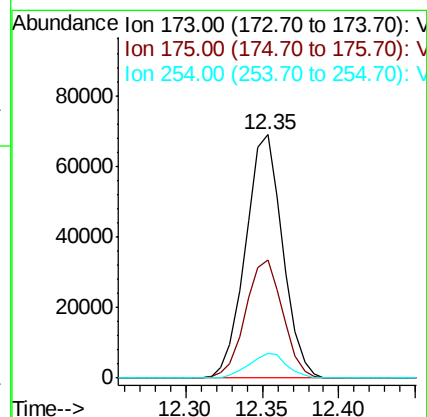
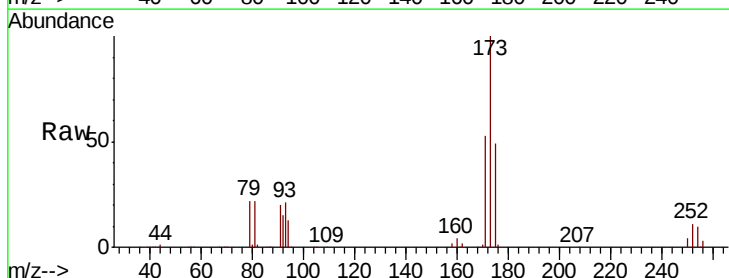
Tgt Ion: 173 Resp: 116257

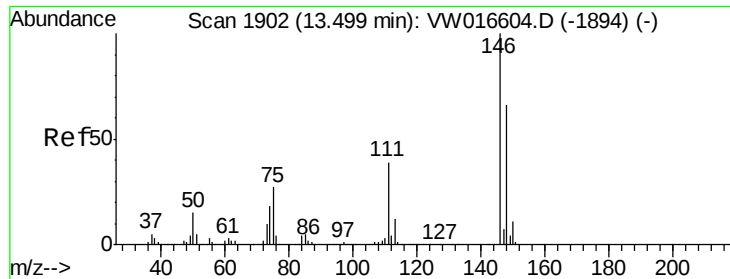
Ion Ratio Lower Upper

173 100

175 48.9 38.6 57.8

254 10.4 8.2 12.4

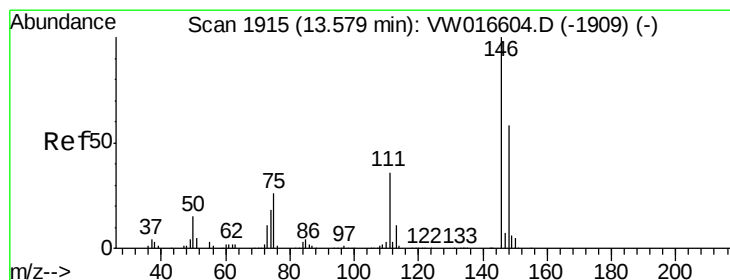
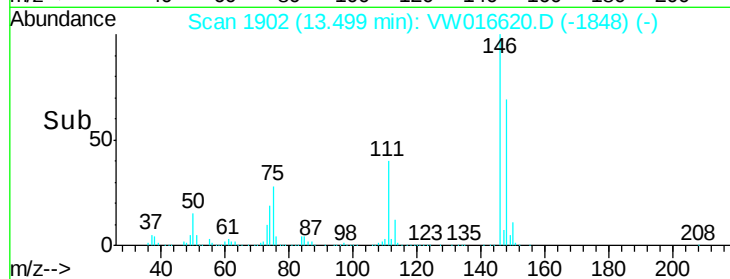
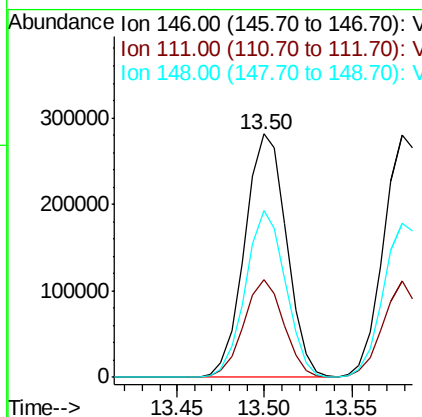
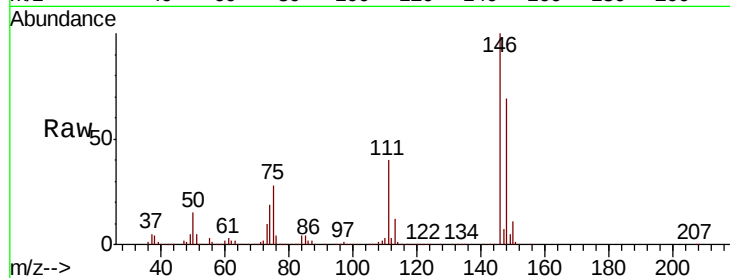




#63
 1,3-Dichlorobenzene
 Concen: 27.181 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

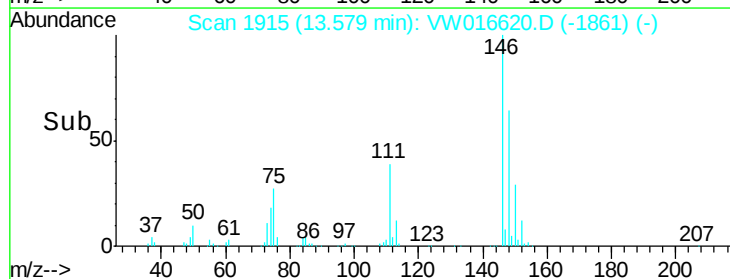
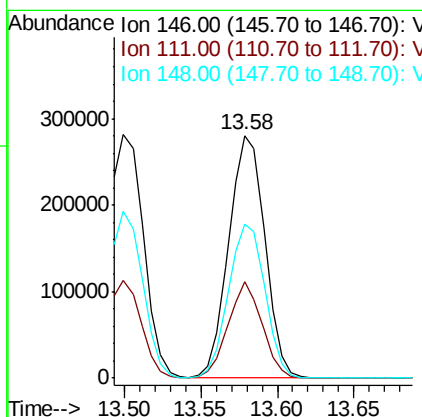
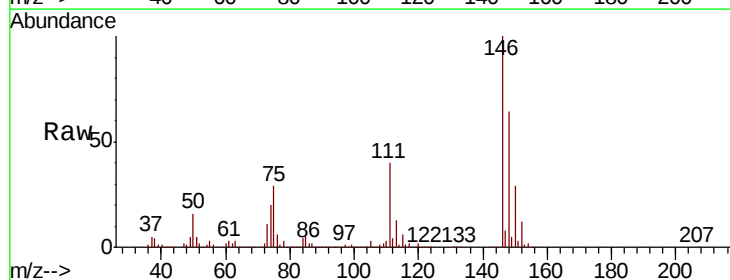
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

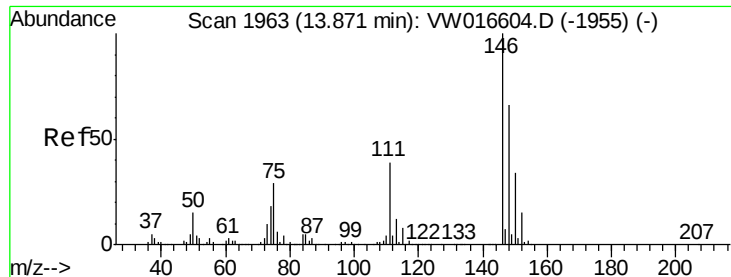
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	25.0	46.4
148	68.7	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 27.261 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	25.1	46.5
148	63.7	42.3	78.5





#65

1,2-Dichlorobenzene

Concen: 27.328 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

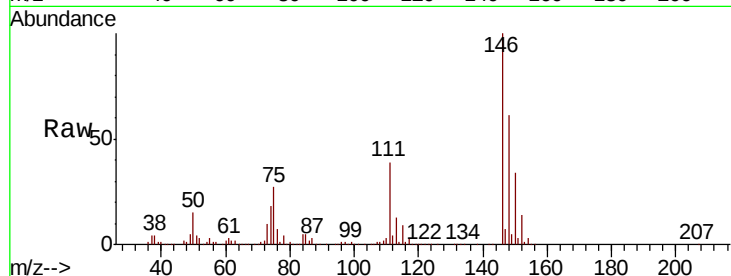
Tot Ion:146 Resp: 420102

Ion Ratio Lower Upper

146 100

111 38.9 31.4 47.0

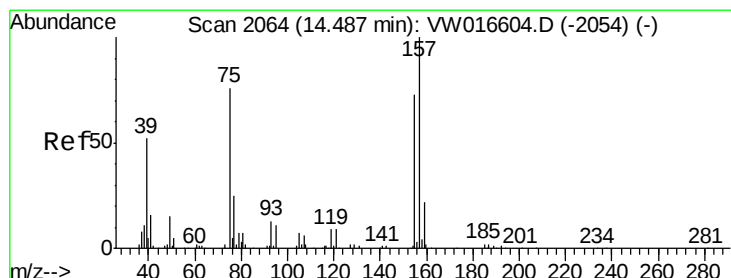
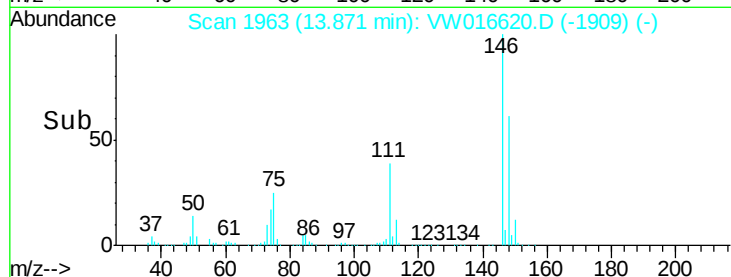
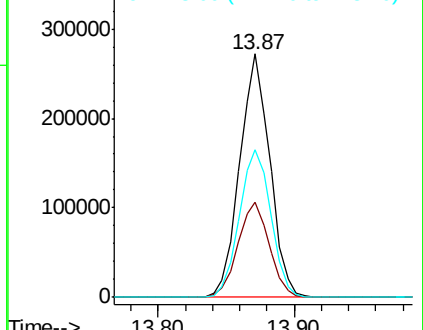
148 60.8 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.049 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

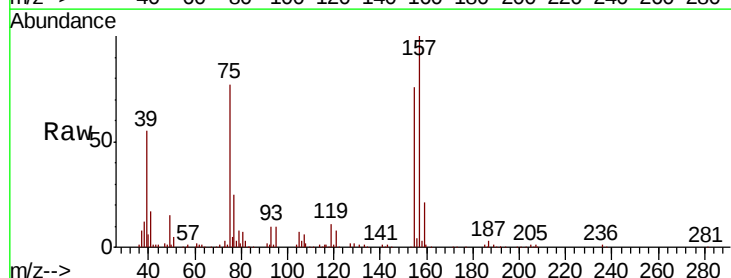
Tgt Ion: 75 Resp: 28703

Ion Ratio Lower Upper

75 100

157 129.3 92.2 138.4

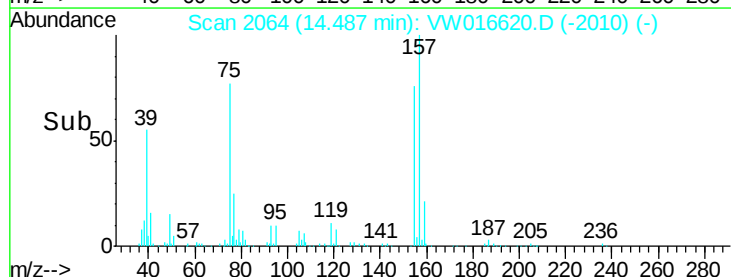
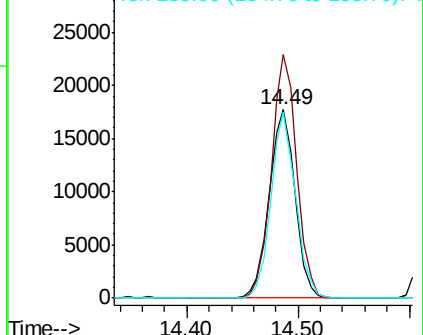
155 98.6 73.5 110.3

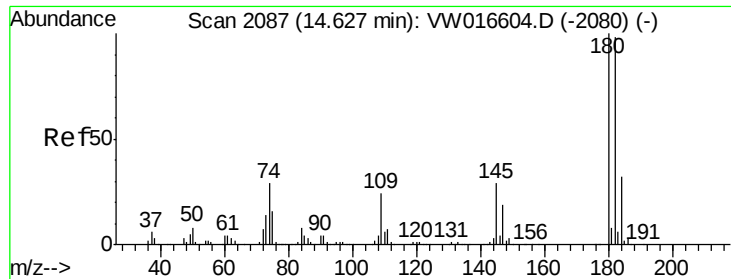


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

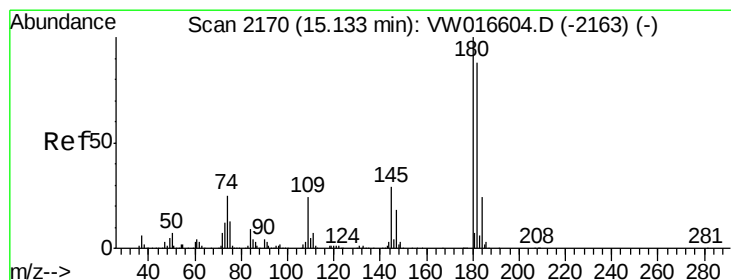
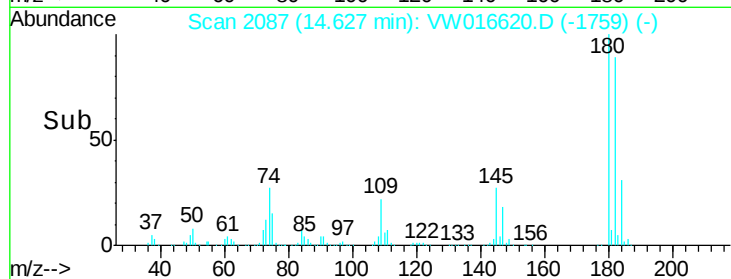
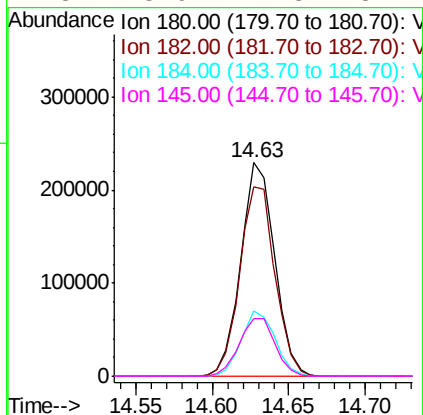
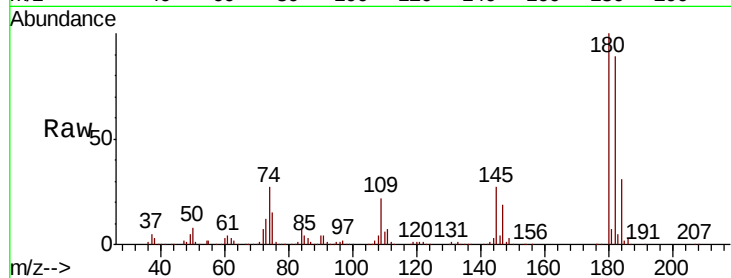




#67
 1,3,5-Trichlorobenzene
 Concen: 28.092 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

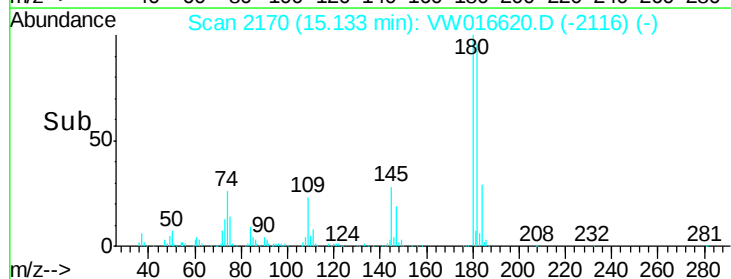
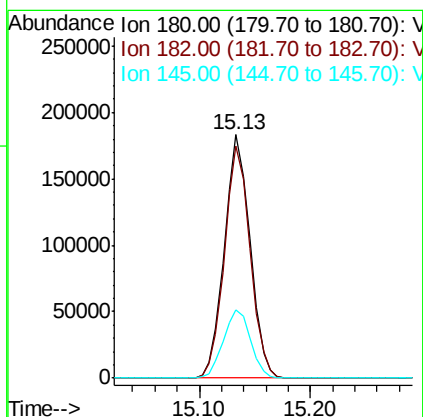
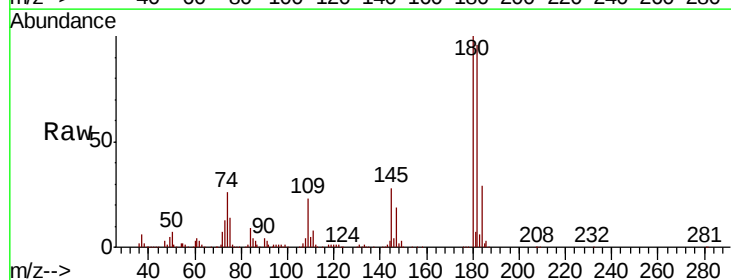
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

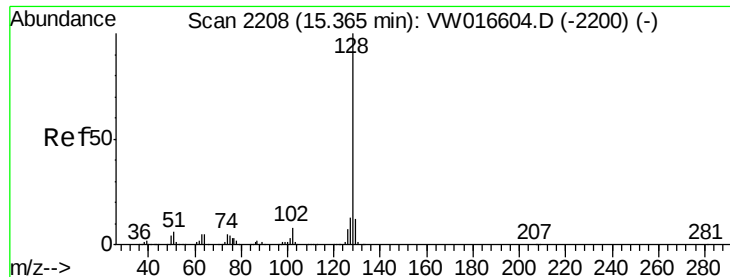
Tot Ion:180	Resp:	353456
Ion Ratio	Lower	Upper
180	100	
182	92.1	73.8 110.8
184	30.6	23.7 35.5
145	28.9	22.8 34.2



#68
 1,2,4-trichlorobenzene
 Concen: 28.790 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016620.D
 Acq: 22 Sep 2020 19:27

Tgt Ion:180	Resp:	293029
Ion Ratio	Lower	Upper
180	100	
182	95.2	74.5 111.7
145	29.5	23.1 34.7





#69

Naphthalene

Concen: 30.558 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

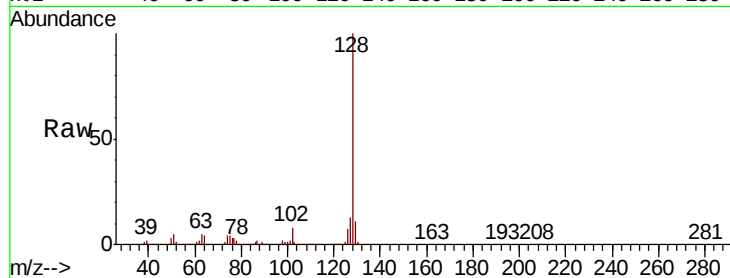
Tot Ion:128 Resp: 551354

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

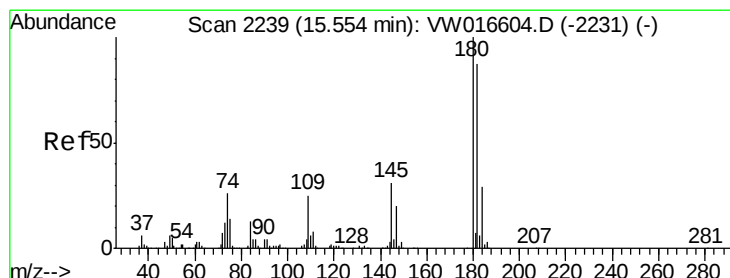
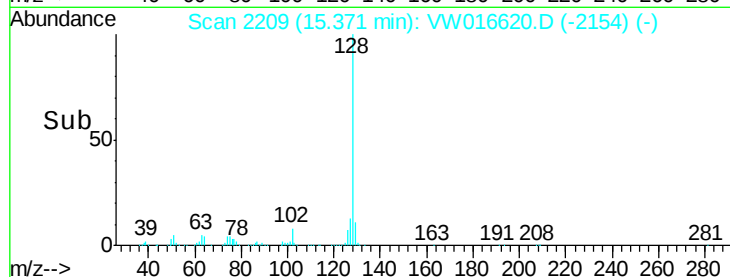
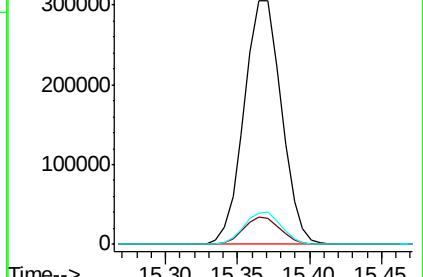
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.073 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016620.D

Acq: 22 Sep 2020 19:27

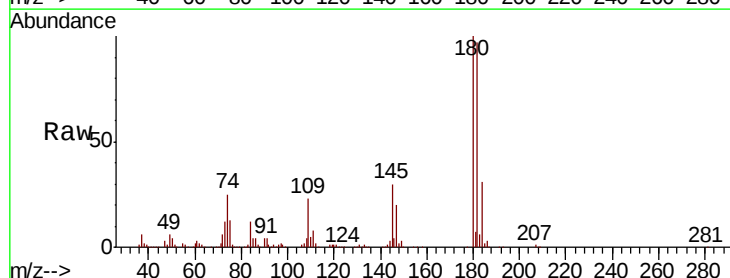
Tgt Ion:180 Resp: 254499

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 31.5 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

