

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017224.D
 Acq On : 13 Nov 2020 19:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Nov 16 14:18:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	415262	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	391818	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	198487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	115899	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.64%
7) Chloroethane-d5	2.90	69	102609	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.84%
10) 1,1-Dichloroethene-d2	4.03	63	215526	23.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.16%
20) 2-Butanone-d5	7.08	46	58154	49.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.44%
24) Chloroform-d	7.65	84	270621	27.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.68%
26) 1,2-Dichloroethane-d4	8.31	65	132826	27.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.24%
29) Benzene-d6	8.28	84	499481	25.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.12%
33) 1,2-Dichloropropane-d6	9.27	67	140936	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.16%
37) Toluene-d8	10.33	98	471587	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.28%
38) trans-1,3-Dichloropropene-	10.58	79	61393	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.68%
39) 2-Hexanone-d5	10.93	63	49654	51.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	126012	26.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	185093	26.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	88140	21.155	ug/L 99
3) Chloromethane	2.21	50	81151	21.461	ug/L 97
5) Vinyl chloride	2.37	62	131266	23.669	ug/L 96
6) Bromomethane	2.78	94	94357	24.602	ug/L 96
8) Chloroethane	2.93	64	81884	24.470	ug/L 98
9) Trichlorofluoromethane	3.26	101	113172	25.090	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	129717	24.201	ug/L 100
12) 1,1-Dichloroethene	4.04	96	119744	23.233	ug/L 93
13) Acetone	4.14	43	31471	40.184	ug/L 98
14) Carbon disulfide	4.40	76	281637	20.079	ug/L 99
15) Methyl Acetate	4.68	43	39194	20.191	ug/L 98
16) Methylene chloride	4.92	84	131082	23.413	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	157130	24.967	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	124697	23.373	ug/L 97
19) 1,1-Dichloroethane	6.22	63	207038	24.494	ug/L 98
21) 2-Butanone	7.18	43	49648	39.480	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	138997	24.641	ug/L 97

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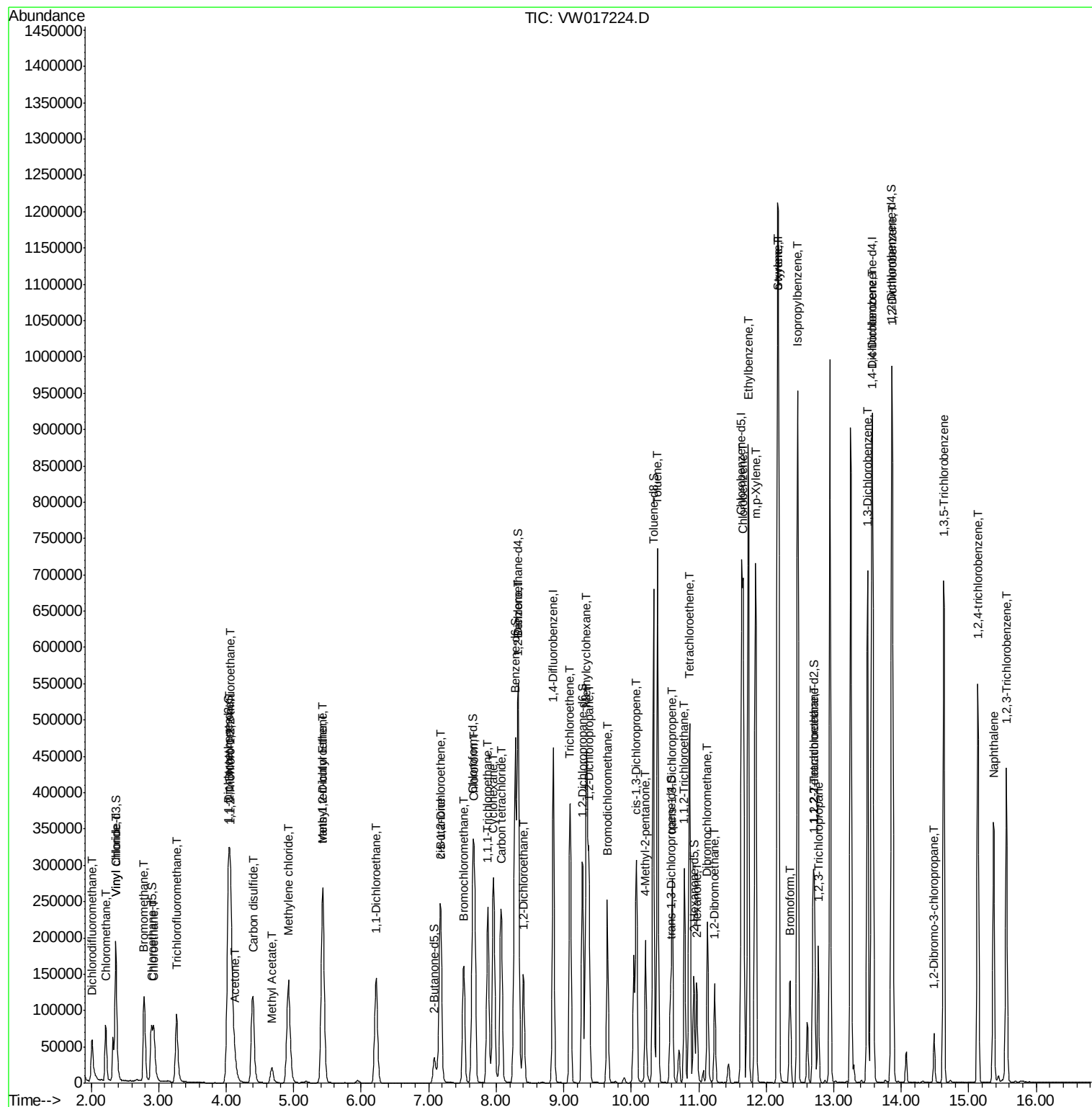
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	65331	24.055	ug/L	97
25) Chloroform	7.68	83	235760	25.619	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139717	25.335	ug/L	94
30) Cyclohexane	7.96	56	159011	21.554	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	204873	25.533	ug/L	99
32) Carbon tetrachloride	8.07	117	190658	24.625	ug/L	99
34) Benzene	8.33	78	486240	23.633	ug/L	100
35) Trichloroethene	9.10	95	134581	23.351	ug/L	100
36) Methylcyclohexane	9.34	83	198493	21.403	ug/L	98
40) 1,2-Dichloropropane	9.37	63	113026	23.501	ug/L	98
41) Bromodichloromethane	9.65	83	165389	24.864	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	182339	23.936	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	115832	39.037	ug/L	100
44) Toluene	10.39	91	547294	24.167	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	156036	23.851	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	95467	23.023	ug/L	100
47) Tetrachloroethene	10.87	164	117278	22.554	ug/L	96
49) 2-Hexanone	10.97	43	79996	44.718	ug/L	95
50) Dibromochloromethane	11.13	129	120636	23.879	ug/L	97
51) 1,2-Dibromoethane	11.24	107	90438	22.450	ug/L	98
52) Chlorobenzene	11.66	112	372473	24.318	ug/L	99
53) Ethylbenzene	11.73	91	620608	24.534	ug/L	98
54) m,p-Xylene	11.84	106	243576	24.616	ug/L	99
55) o-xylene	12.16	106	234415	24.959	ug/L	93
56) Styrene	12.18	104	401675	25.473	ug/L	98
57) Isopropylbenzene	12.46	105	642350	25.201	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107692	22.481	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	76397	22.188	ug/L	99
62) Bromoform	12.35	173	67056	22.008	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	309108	25.034	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	303606	24.475	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	278230	24.988	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	15734	21.372	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	228917	25.160	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	186449	25.679	ug/L	99
69) Naphthalene	15.36	128	317128	23.734	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	161519	24.346	ug/L	98

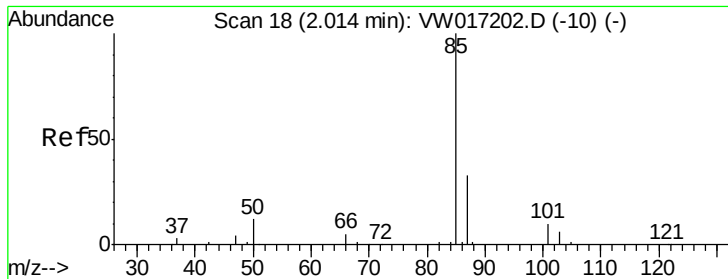
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.155 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

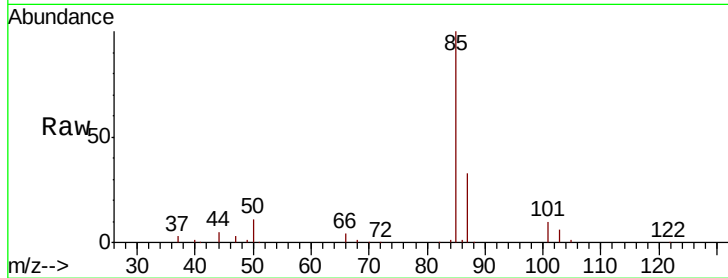
VSTD02527

Tot Ion: 85 Resp: 88140

Ion Ratio Lower Upper

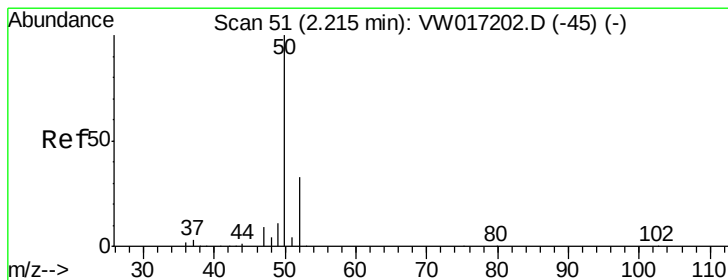
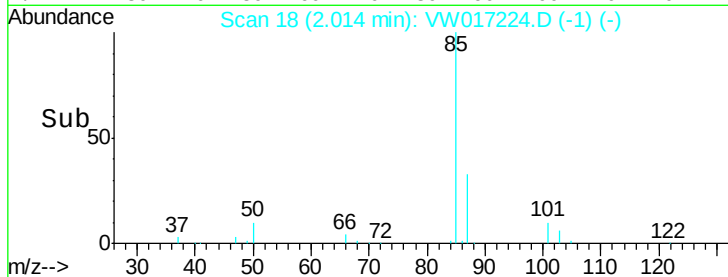
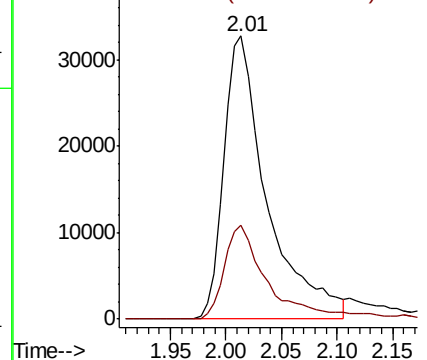
85 100

87 31.4 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.461 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017224.D

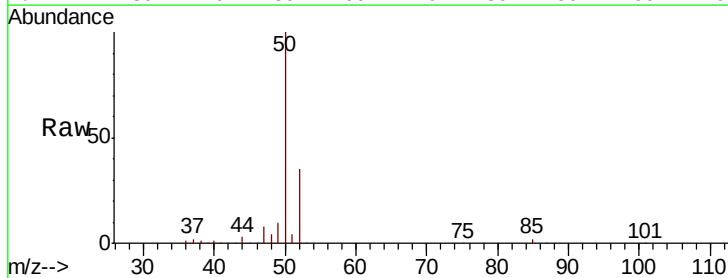
Acq: 13 Nov 2020 19:44

Tgt Ion: 50 Resp: 81151

Ion Ratio Lower Upper

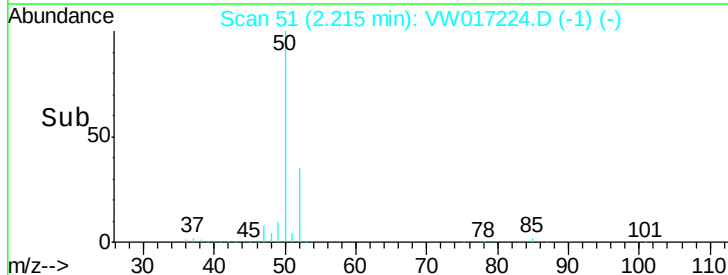
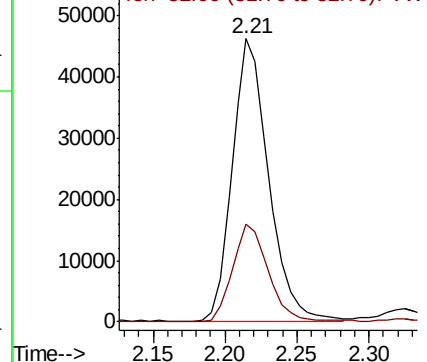
50 100

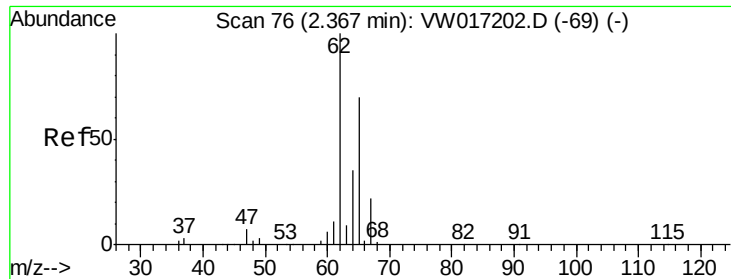
52 34.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.669 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

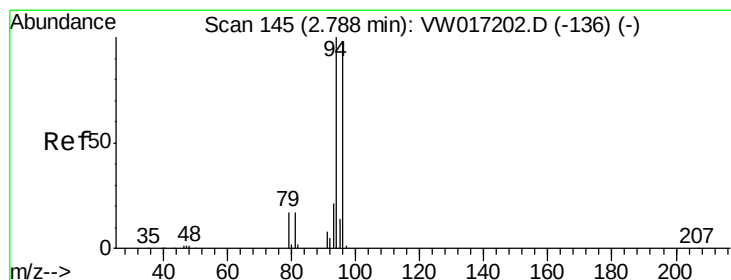
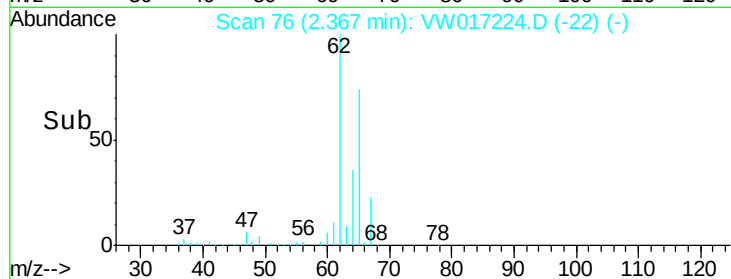
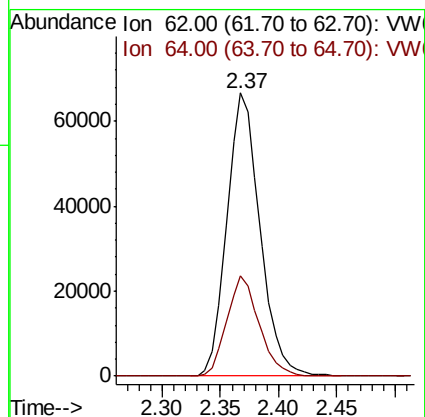
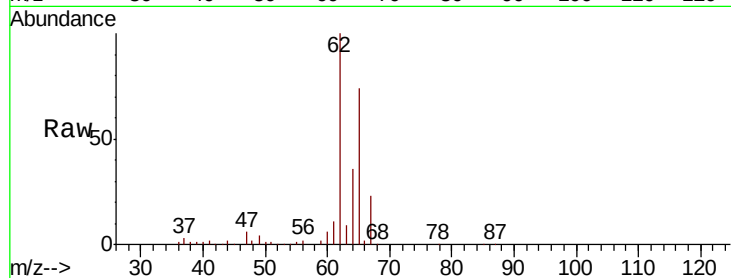
VSTD02527

Tot Ion: 62 Resp: 131266

Ion Ratio Lower Upper

62 100

64 35.6 23.3 43.3



#6

Bromomethane

Concen: 24.602 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017224.D

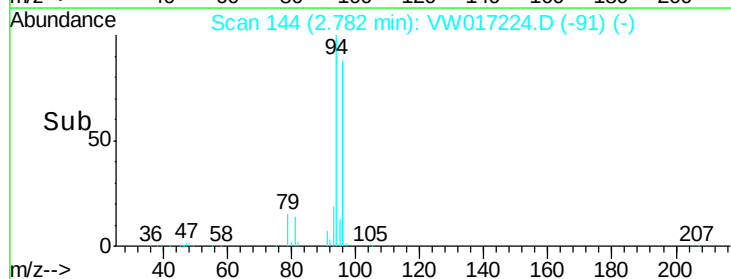
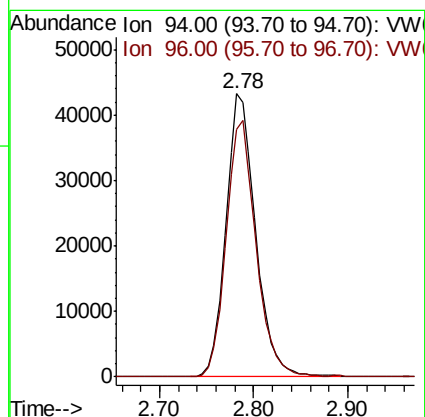
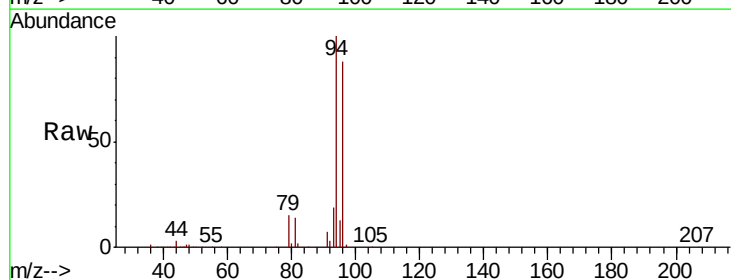
Acq: 13 Nov 2020 19:44

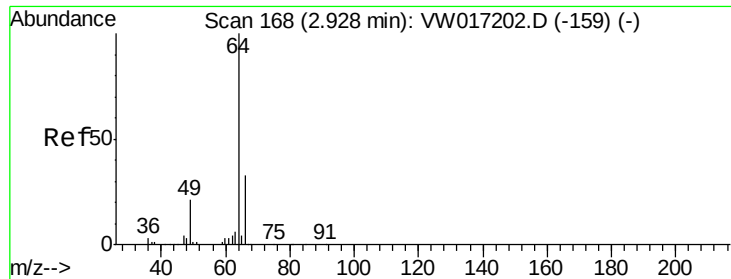
Tgt Ion: 94 Resp: 94357

Ion Ratio Lower Upper

94 100

96 91.5 9.6 181.8





#8

Chloroethane

Concen: 24.470 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

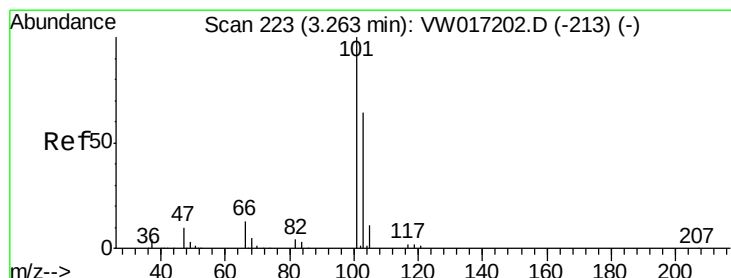
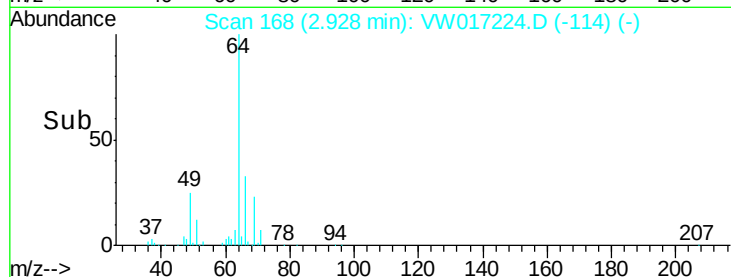
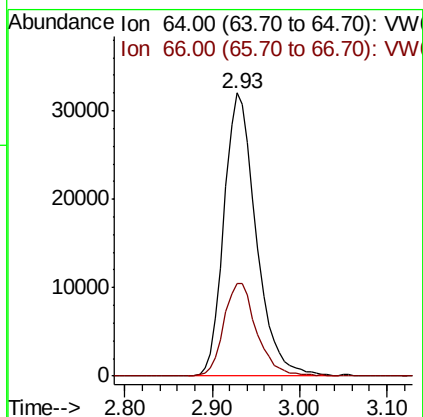
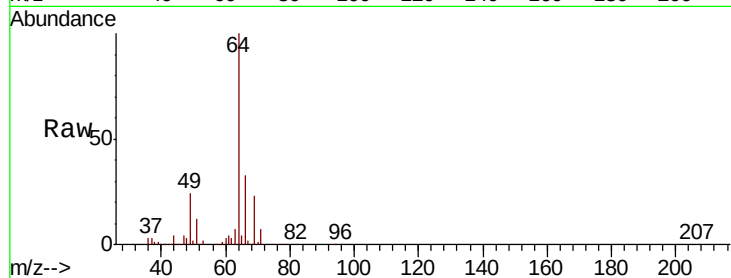
VSTD02527

Tot Ion: 64 Resp: 81884

Ion Ratio Lower Upper

64 100

66 32.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 25.090 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017224.D

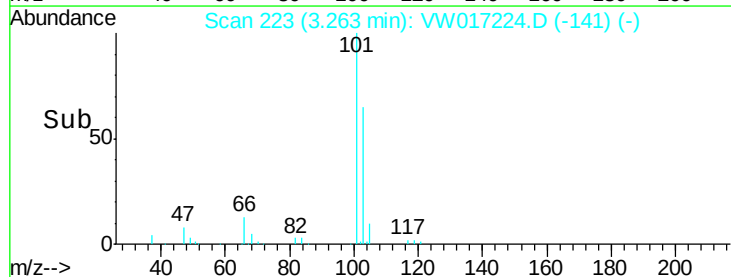
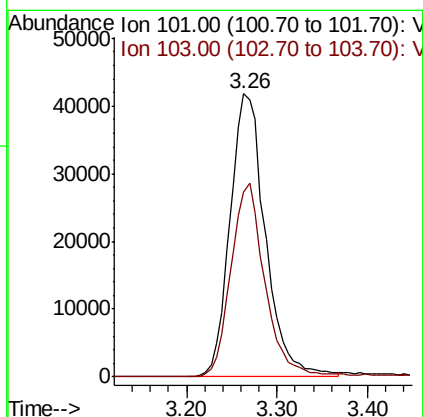
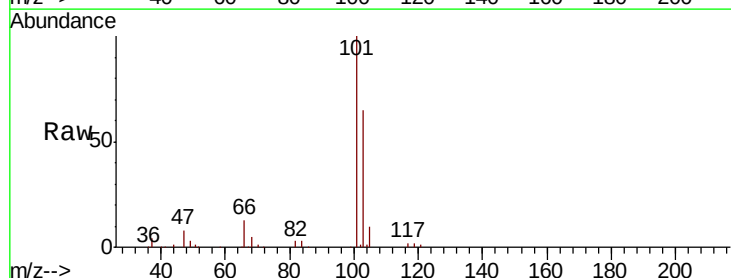
Acq: 13 Nov 2020 19:44

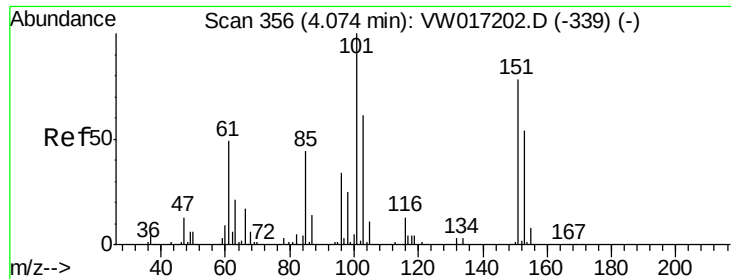
Tgt Ion: 101 Resp: 113172

Ion Ratio Lower Upper

101 100

103 65.1 45.4 84.2





#11

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

Concen: 24.201 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

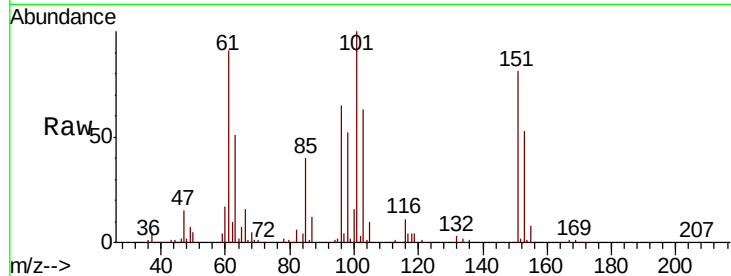
Tot Ion:101 Resp: 129717

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

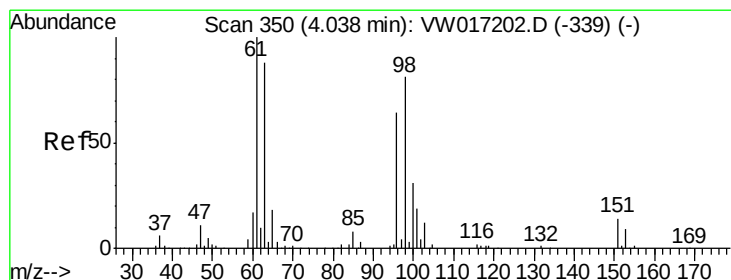
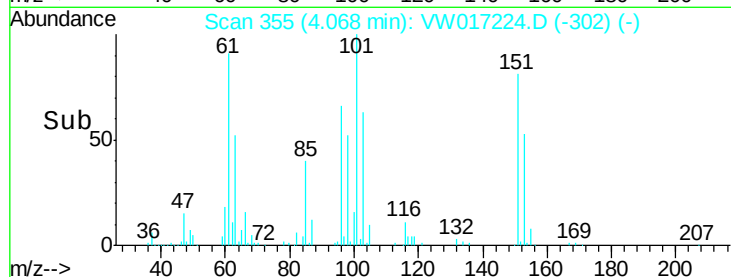
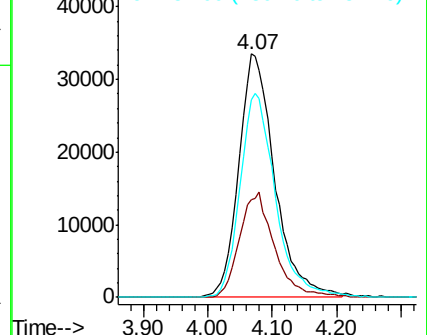
151 82.0 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.233 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

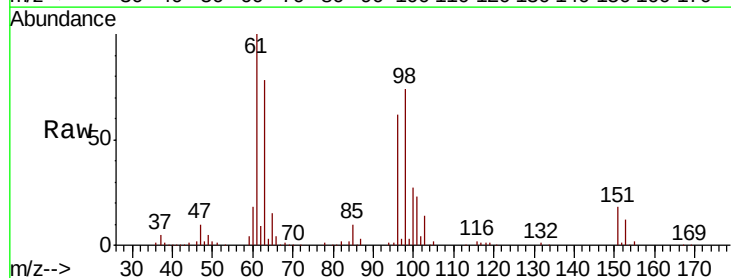
Tgt Ion: 96 Resp: 119744

Ion Ratio Lower Upper

96 100

61 160.1 103.8 192.8

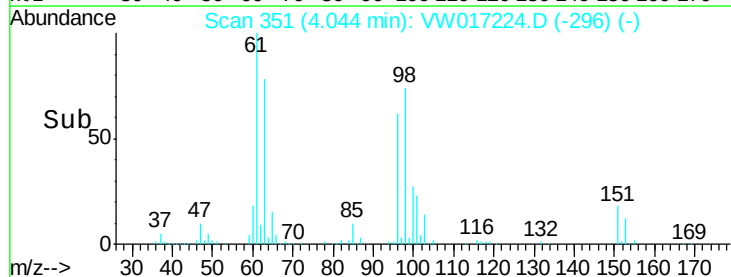
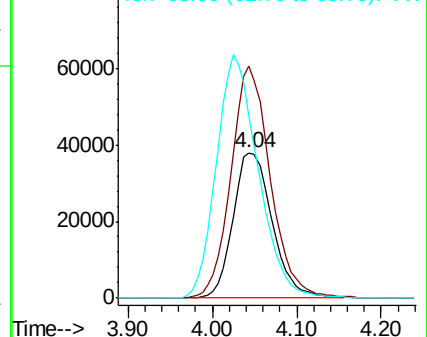
63 125.3 84.4 156.7

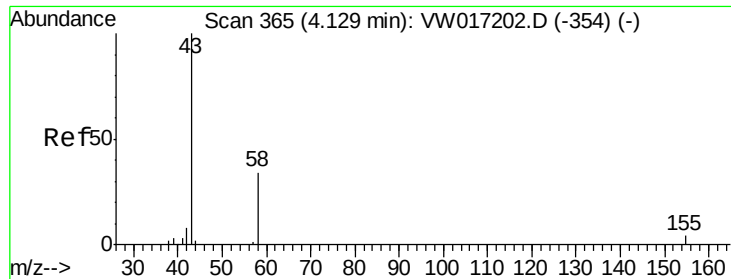


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.184 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

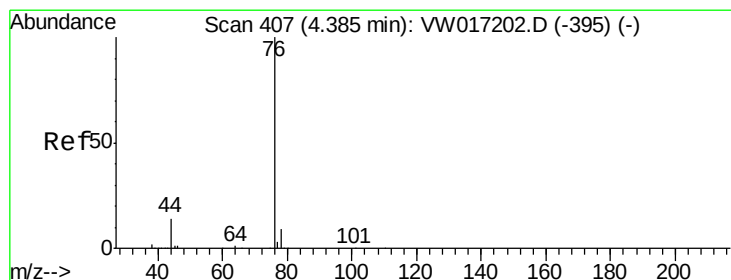
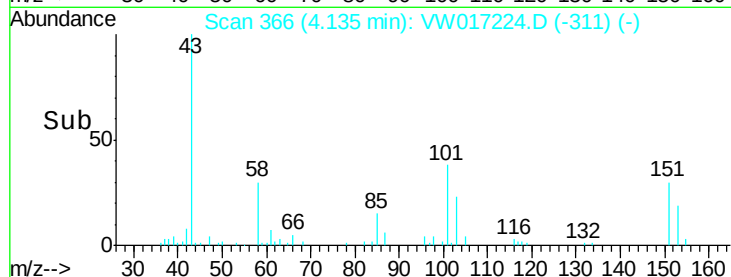
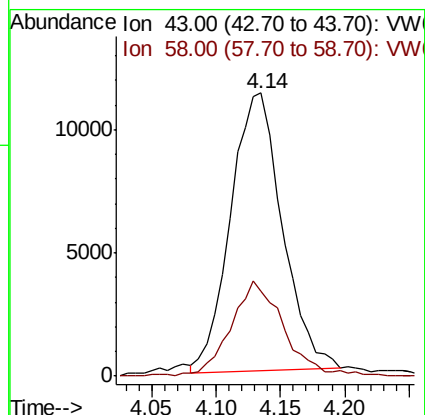
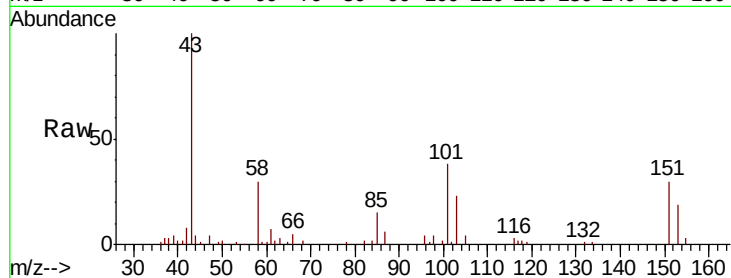
VSTD02527

Tot Ion: 43 Resp: 31471

Ion Ratio Lower Upper

43 100

58 33.5 0.0 69.2



#14

Carbon disulfide

Concen: 20.079 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017224.D

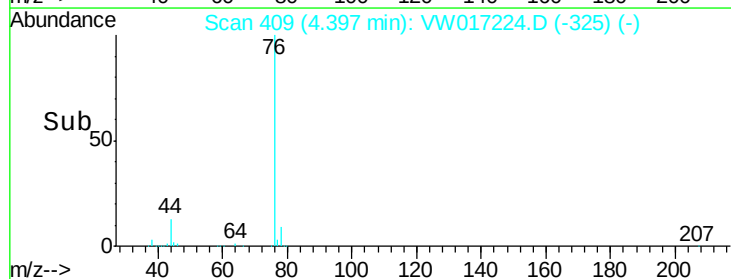
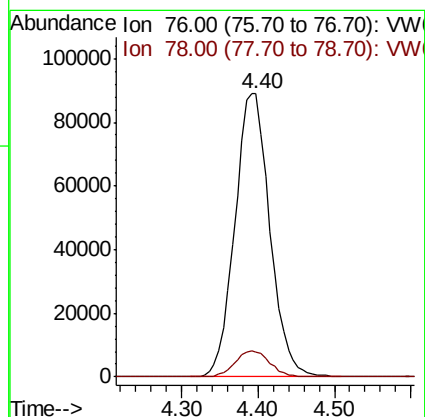
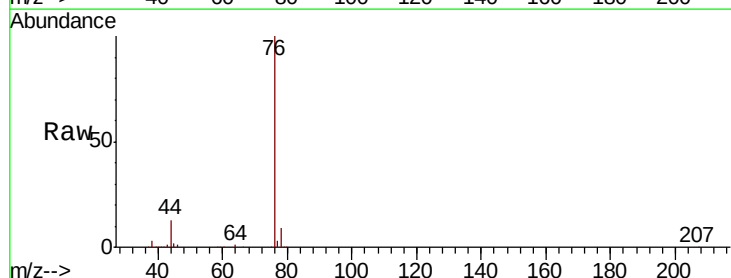
Acq: 13 Nov 2020 19:44

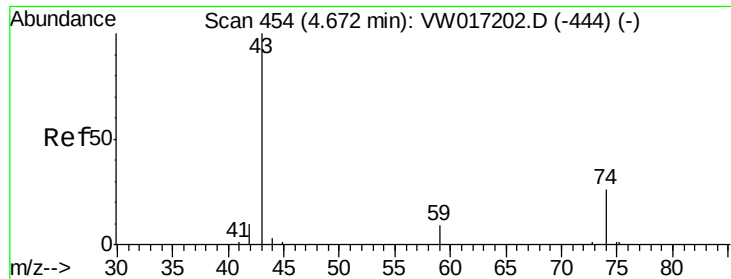
Tgt Ion: 76 Resp: 281637

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methvl Acetate

Concen: 20.191 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

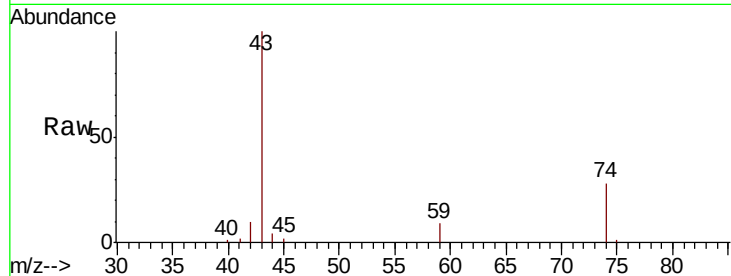
VSTD02527

Tot Ion: 43 Resp: 39194

Ion Ratio Lower Upper

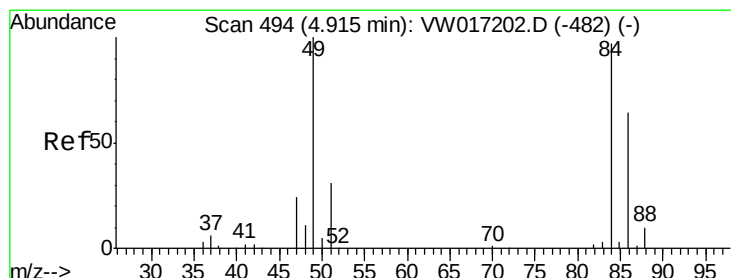
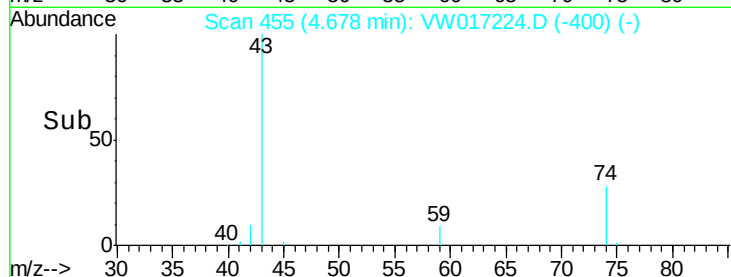
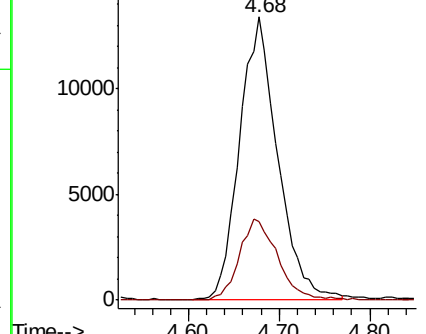
43 100

74 28.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.413 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

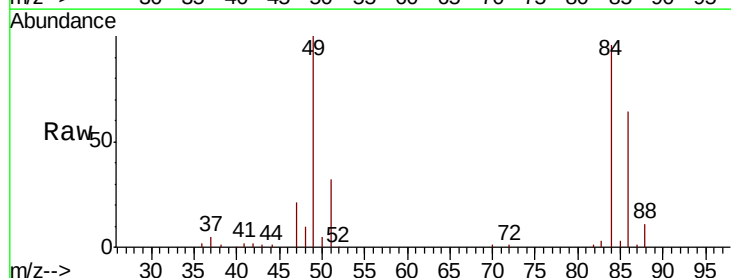
Tgt Ion: 84 Resp: 131082

Ion Ratio Lower Upper

84 100

49 104.2 72.3 134.3

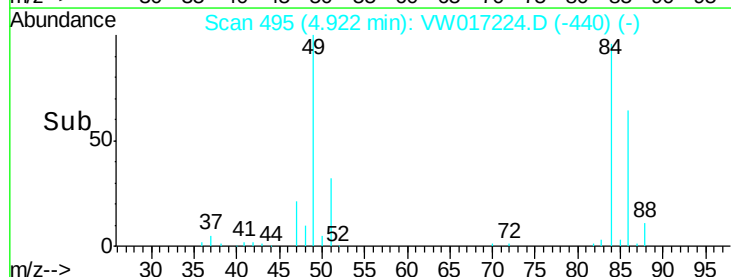
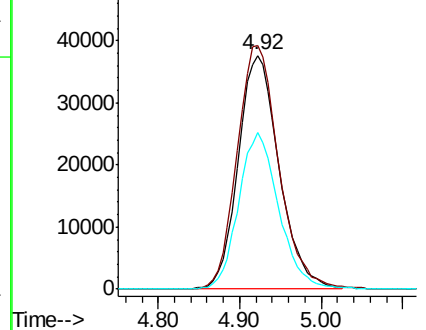
86 67.2 45.1 83.7

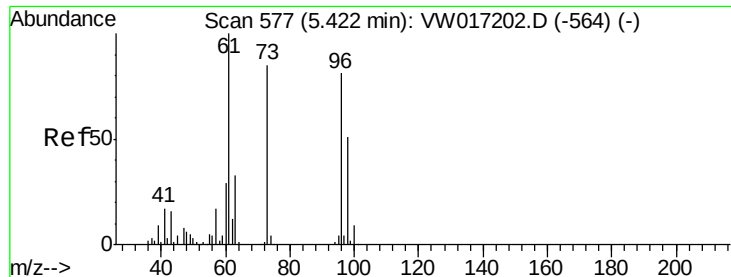


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

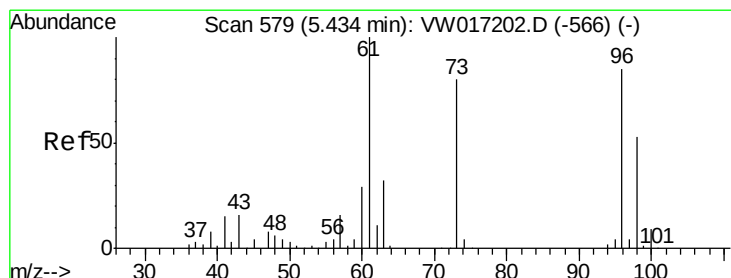
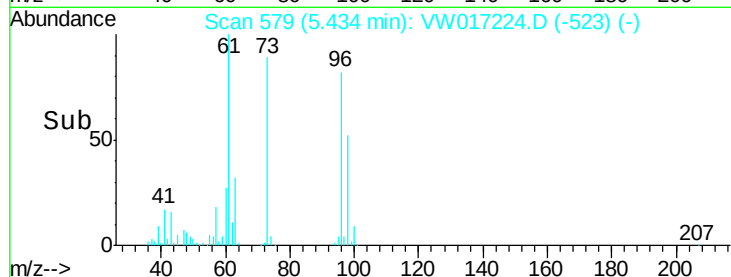
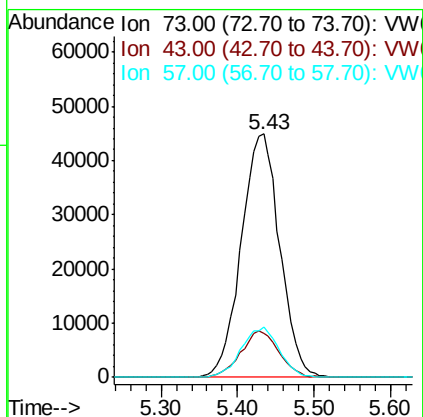
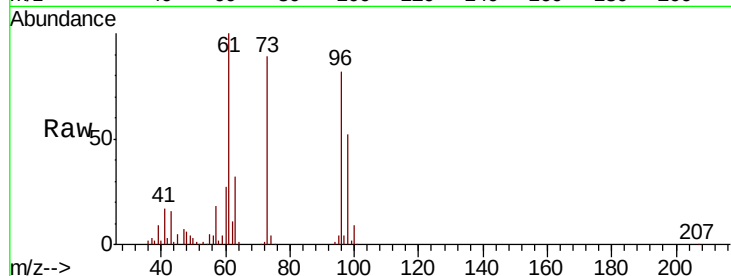




#17
Methyl tert-butyl Ether
Concen: 24.967 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

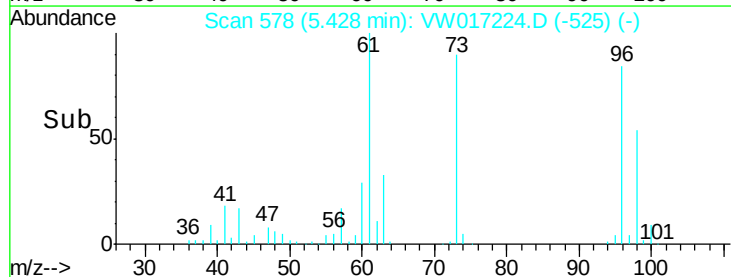
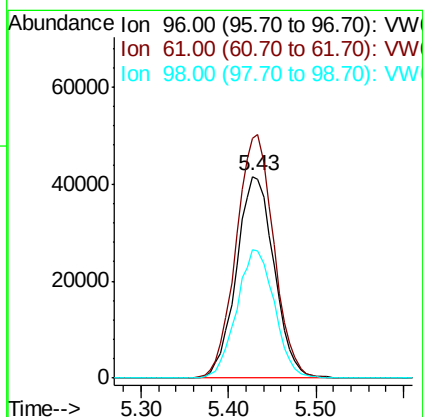
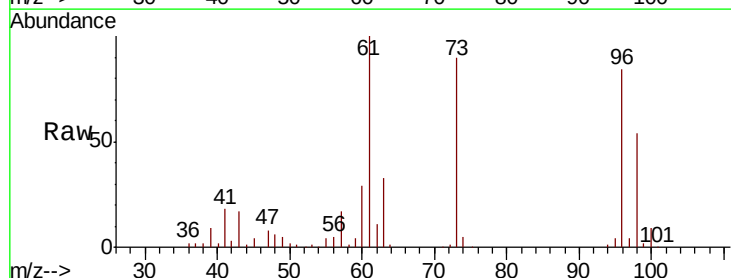
Instrument :
MSVOA_W
ClientSampled :
VSTD02527

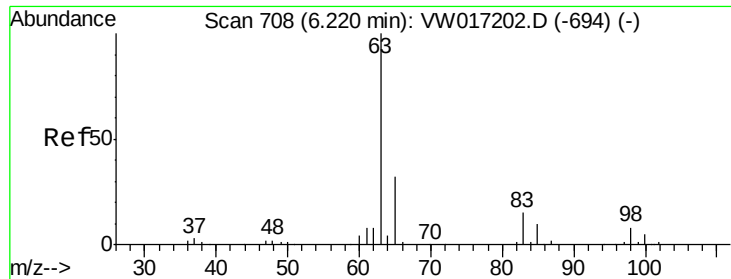
Tot Ion: 73 Resp: 157130
Ion Ratio Lower Upper
73 100
43 18.8 14.5 21.7
57 20.3 16.3 24.5



#18
trans-1,2-Dichloroethene
Concen: 23.373 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion: 96 Resp: 124697
Ion Ratio Lower Upper
96 100
61 119.3 86.8 161.2
98 63.9 44.4 82.4

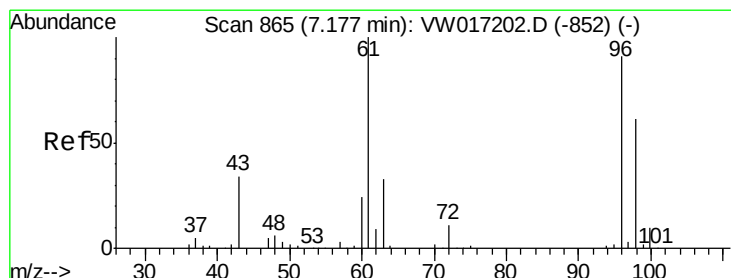
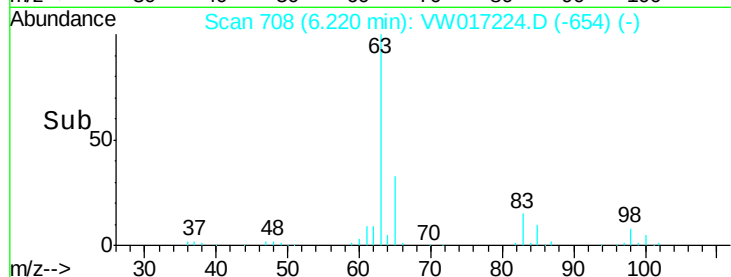
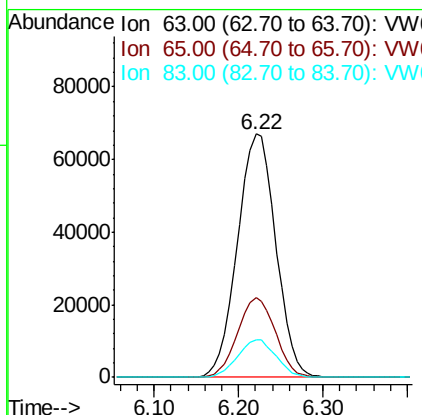
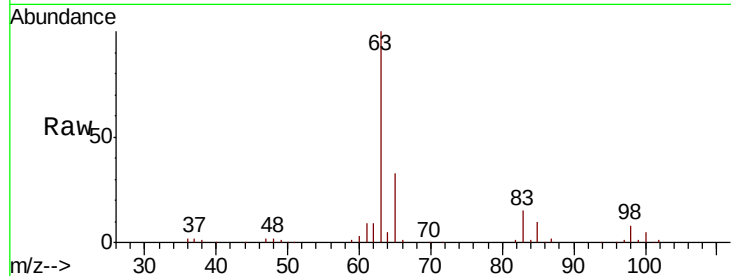




#19
 1,1-Dichloroethane
 Concen: 24.494 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

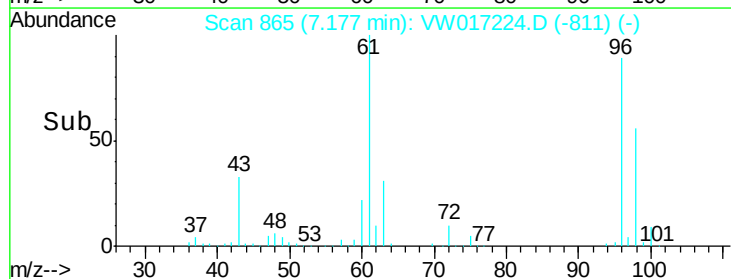
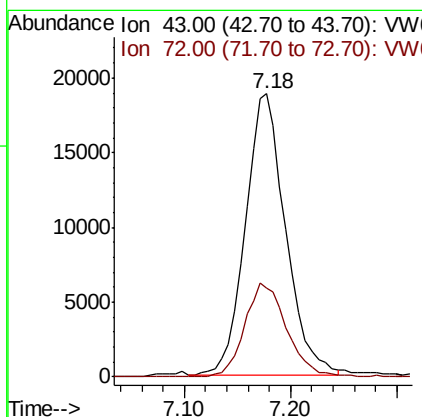
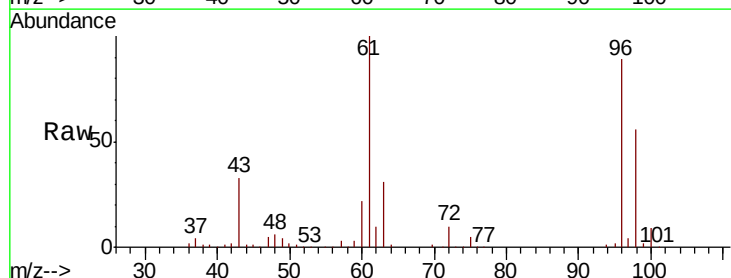
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

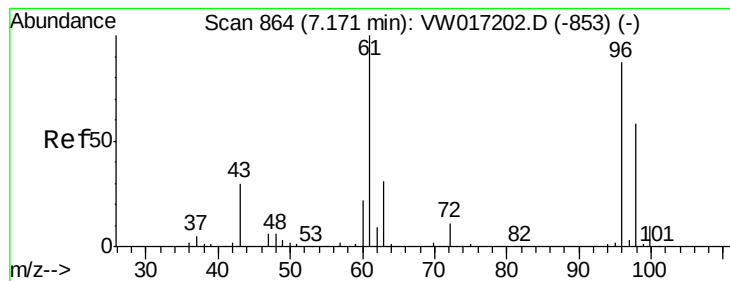
Tot Ion: 63 Resp: 207038
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.1 41.1
 83 15.3 10.0 18.6



#21
 2-Butanone
 Concen: 39.480 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion: 43 Resp: 49648
 Ion Ratio Lower Upper
 43 100
 72 34.1 16.1 48.3



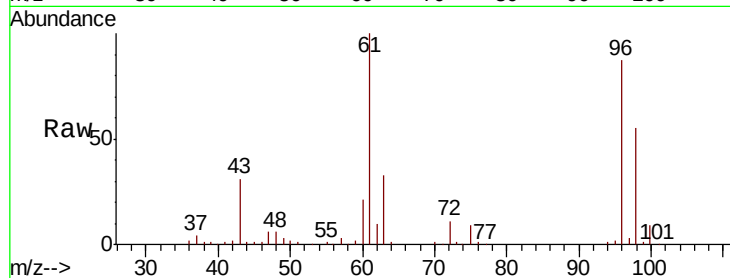


#22

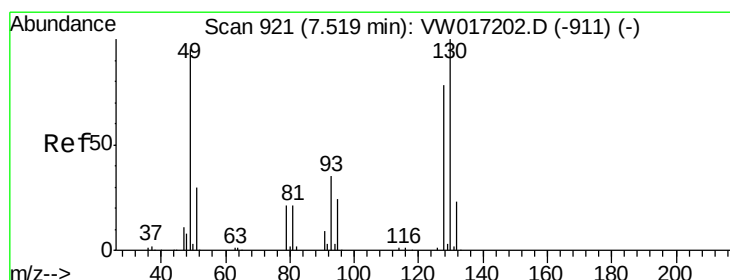
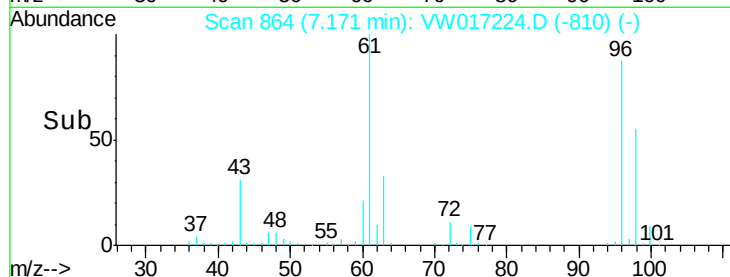
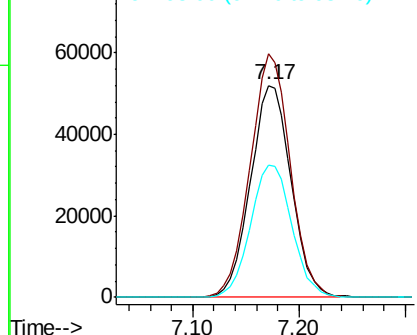
cis-1,2-Dichloroethene
 Concen: 24.641 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion: 96 Resp: 138997
 Ion Ratio Lower Upper
 96 100
 61 114.9 77.4 143.8
 98 62.6 45.1 83.7



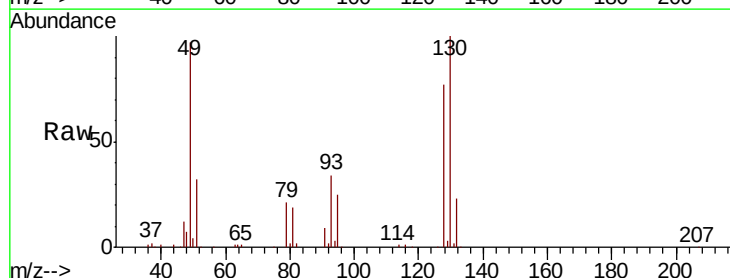
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



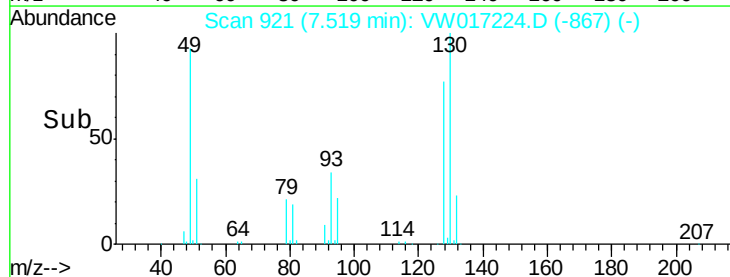
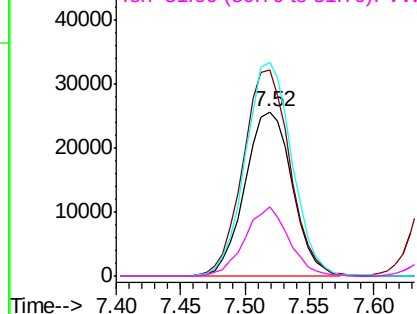
#23

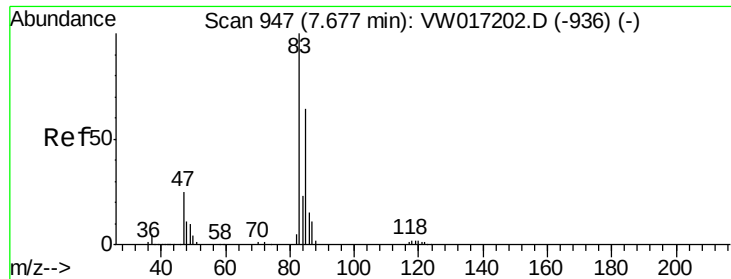
Bromochloromethane
 Concen: 24.055 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion: 128 Resp: 65331
 Ion Ratio Lower Upper
 128 100
 49 125.8 88.3 163.9
 130 130.2 95.6 177.6
 51 42.0 32.2 48.4



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

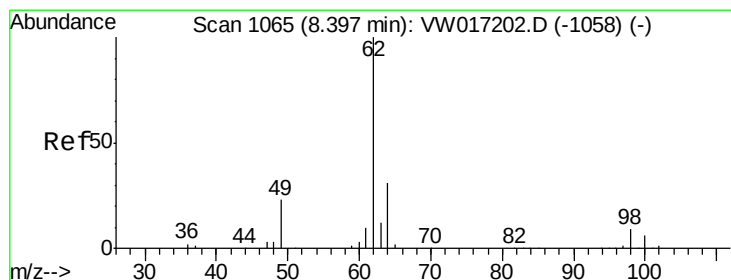
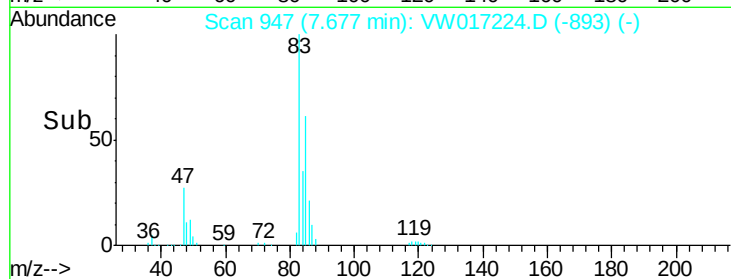
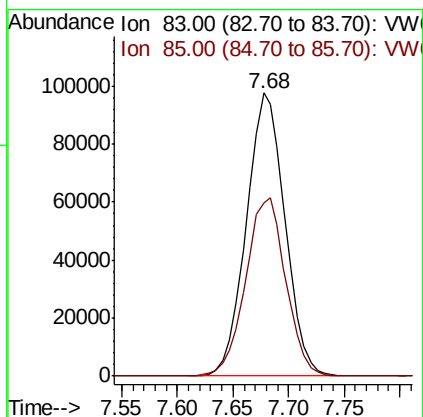
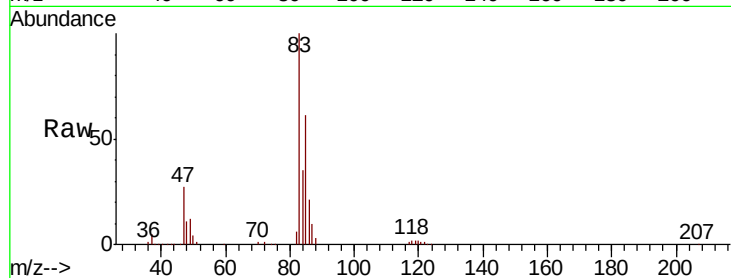




#25
Chloroform
Concen: 25.619 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

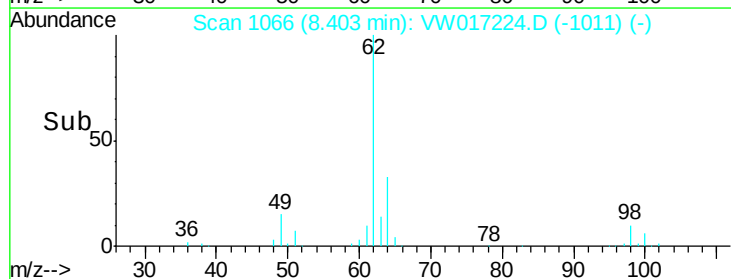
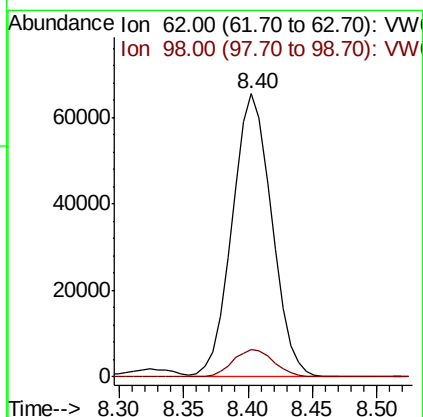
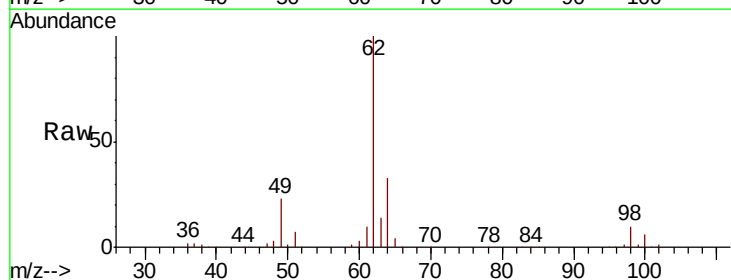
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

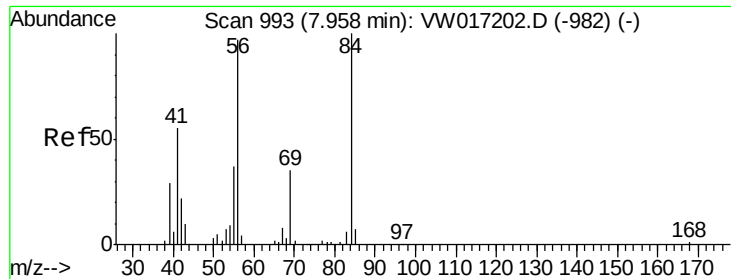
Tot Ion: 83 Resp: 235760
Ion Ratio Lower Upper
83 100
85 65.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 25.335 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion: 62 Resp: 139717
Ion Ratio Lower Upper
62 100
98 9.5 9.4 14.0

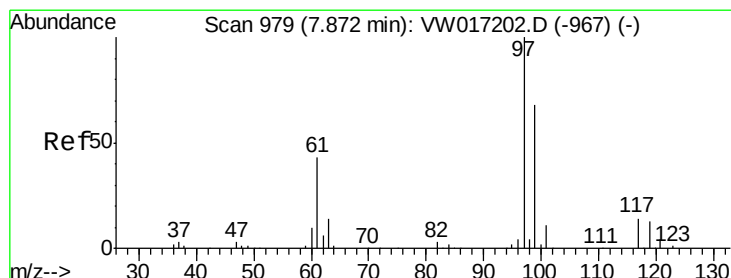
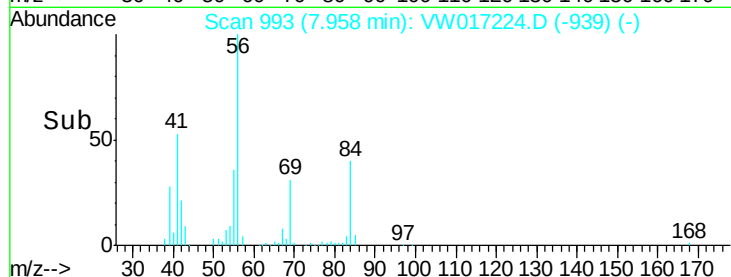
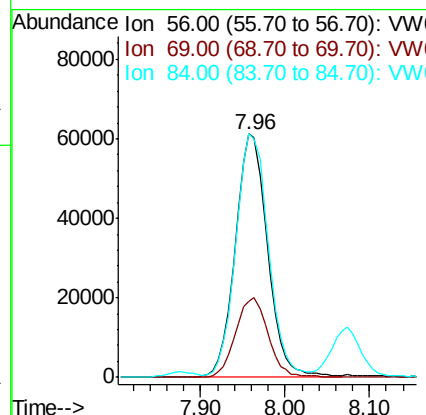
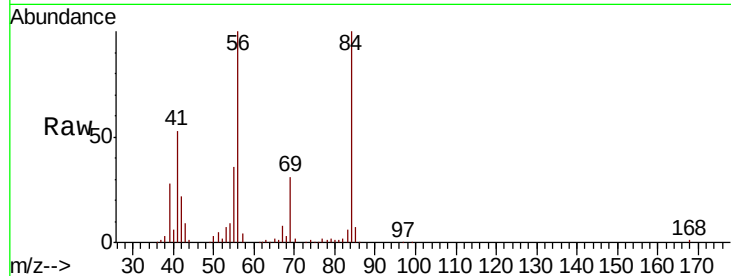




#30
Cyclohexane
Concen: 21.554 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

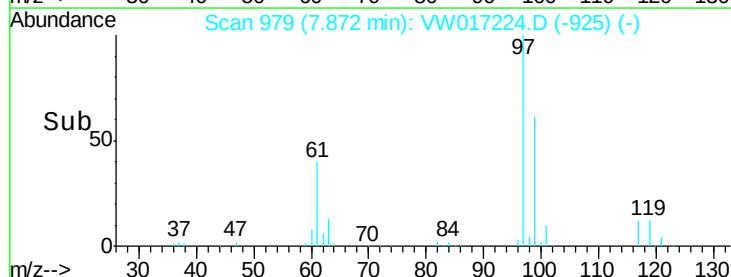
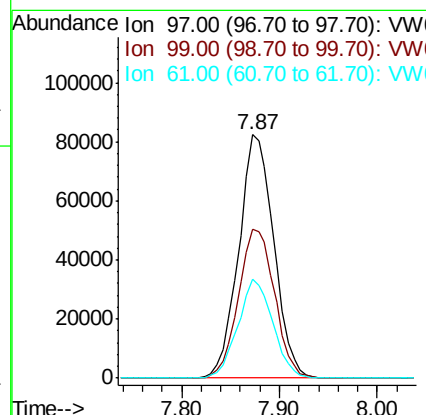
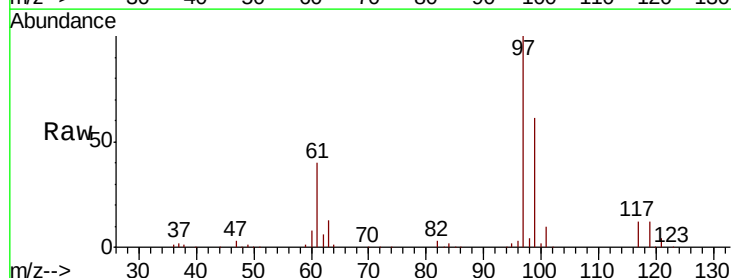
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

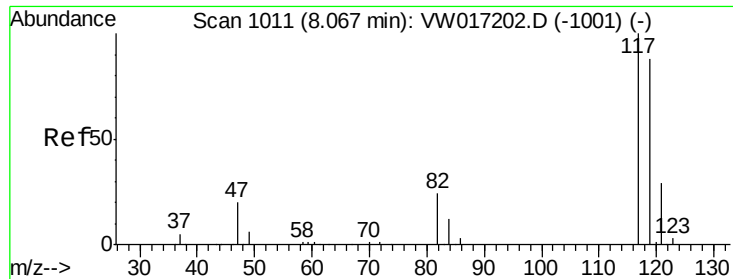
Tot Ion: 56 Resp: 159011
Ion Ratio Lower Upper
56 100
69 32.9 26.1 39.1
84 100.5 79.1 118.7



#31
1,1,1-Trichloroethane
Concen: 25.533 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion: 97 Resp: 204873
Ion Ratio Lower Upper
97 100
99 63.1 51.4 77.0
61 40.3 31.6 47.4





#32

Carbon tetrachloride

Concen: 24.625 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

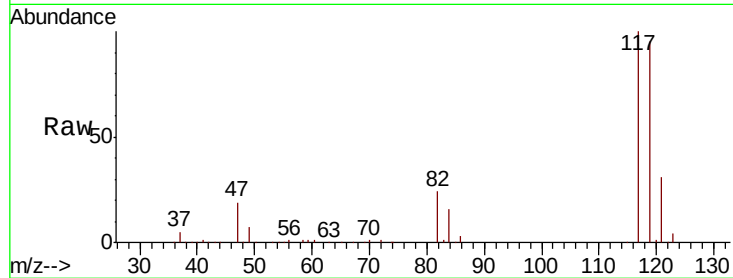
VSTD02527

Tot Ion:117 Resp: 190658

Ion Ratio Lower Upper

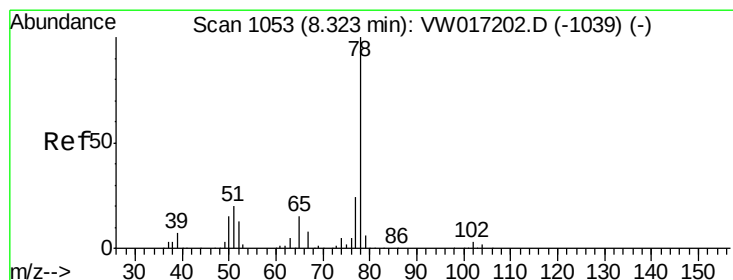
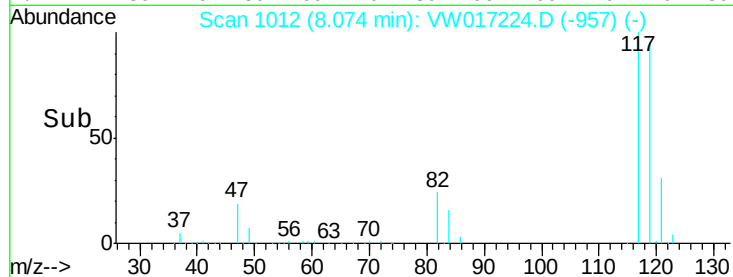
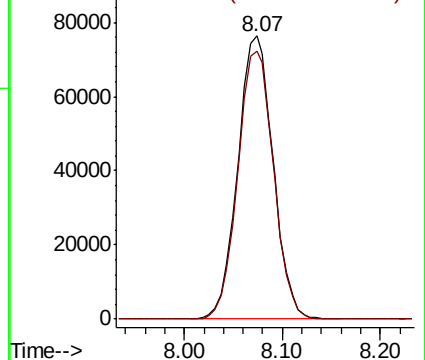
117 100

119 95.9 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.633 ug/L

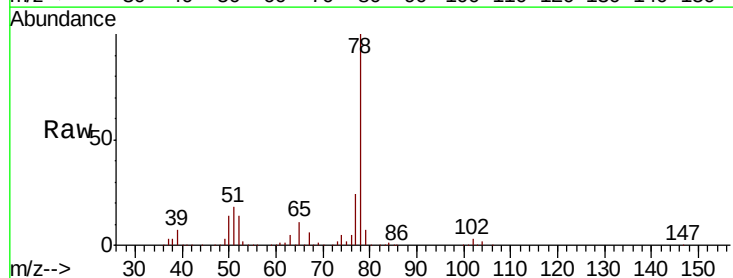
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Tgt Ion: 78 Resp: 486240



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

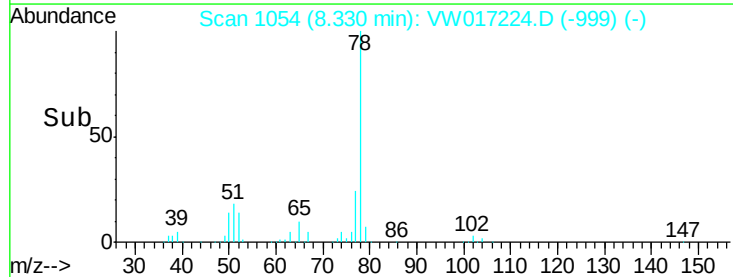
100000

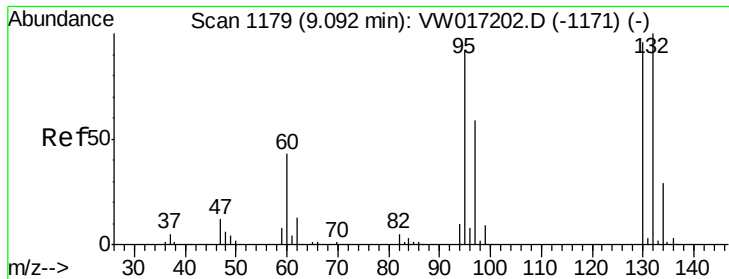
50000

0

8.20 8.30 8.40

Time-->

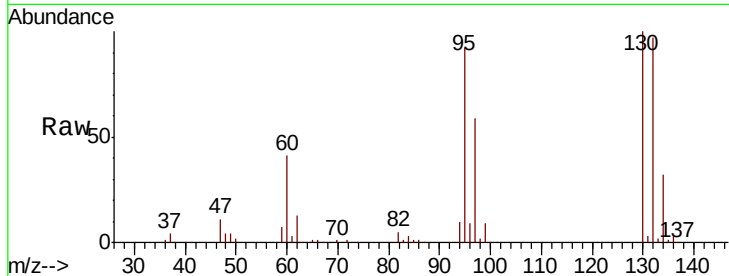




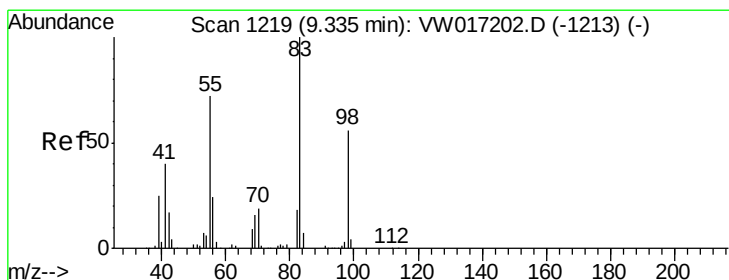
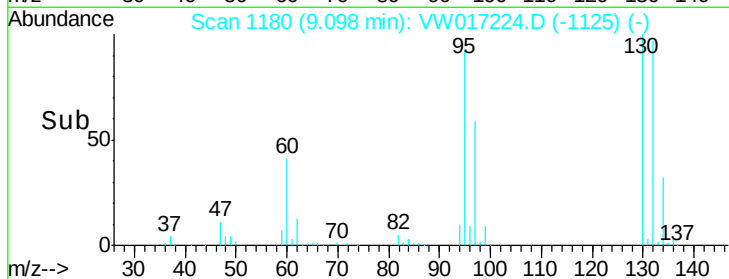
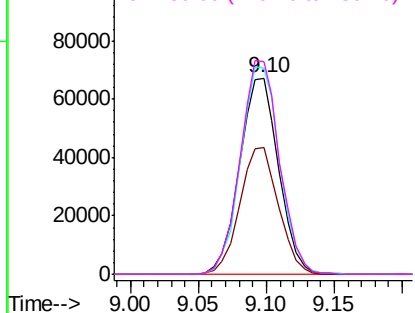
#35
 Trichloroethene
 Concen: 23.351 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

Tot Ion: 95 Resp: 134581
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.0 83.6
 132 105.8 73.7 136.9
 130 109.8 77.1 143.1

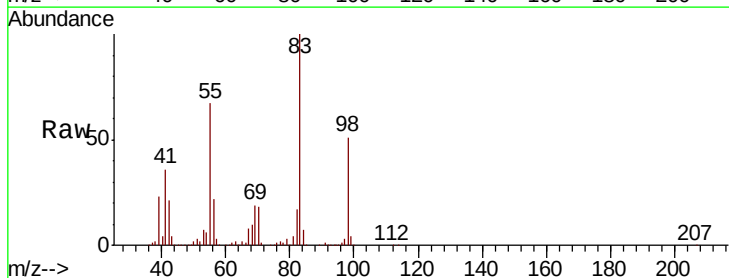


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

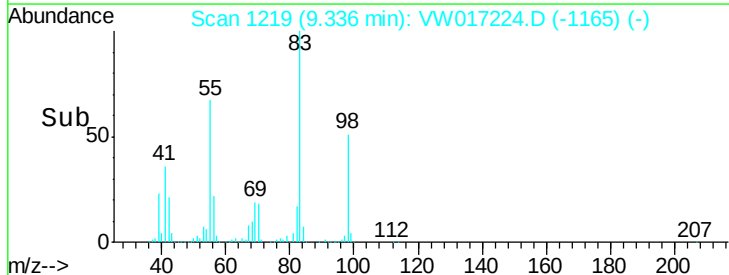
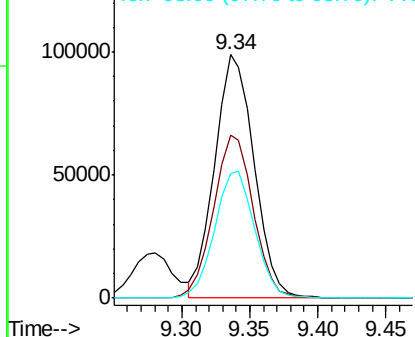


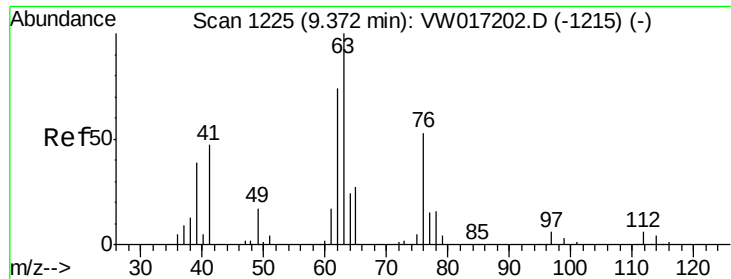
#36
 Methylcyclohexane
 Concen: 21.403 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion: 83 Resp: 198493
 Ion Ratio Lower Upper
 83 100
 55 67.8 54.4 81.6
 98 53.0 40.5 60.7



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: 23.501 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

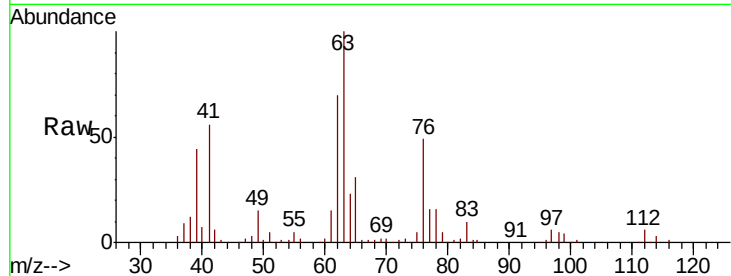
VSTD02527

Tot Ion: 63 Resp: 113026

Ion Ratio Lower Upper

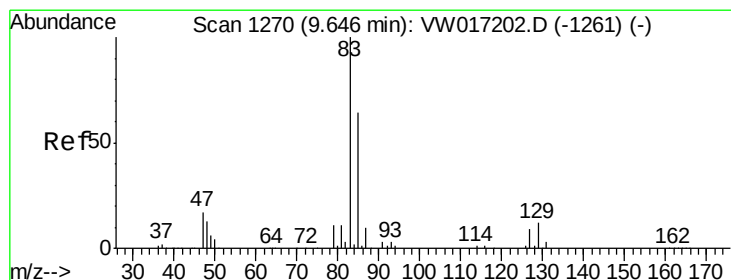
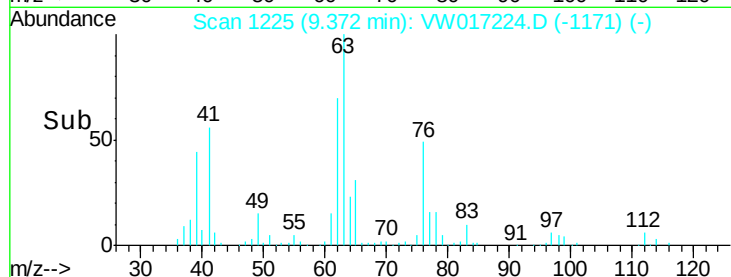
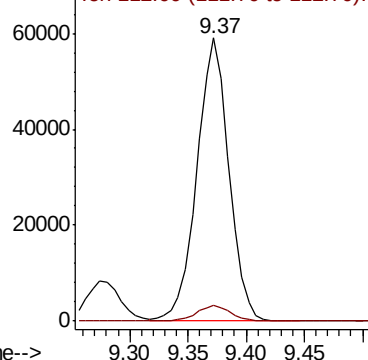
63 100

112 5.7 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.864 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

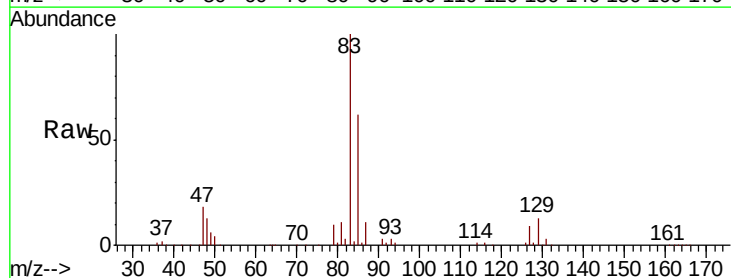
Tgt Ion: 83 Resp: 165389

Ion Ratio Lower Upper

83 100

85 62.4 44.4 82.4

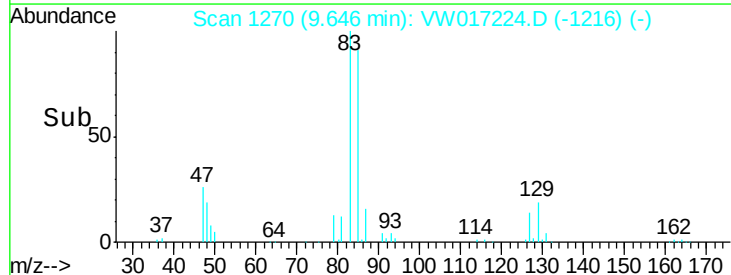
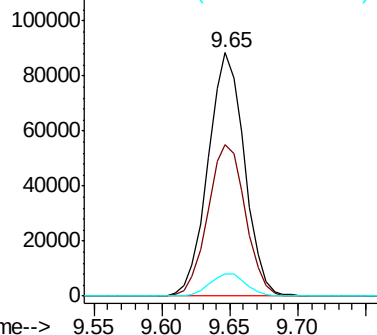
127 9.3 7.3 10.9

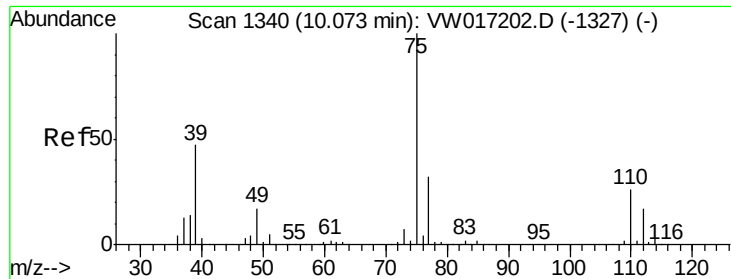


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

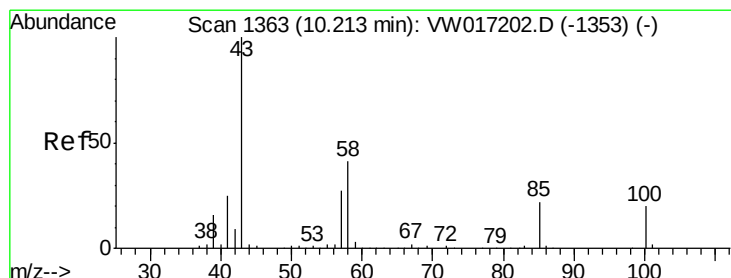
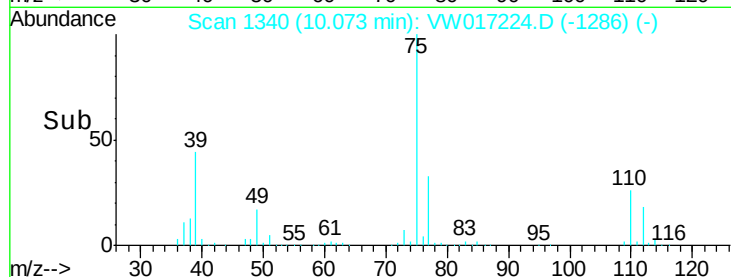
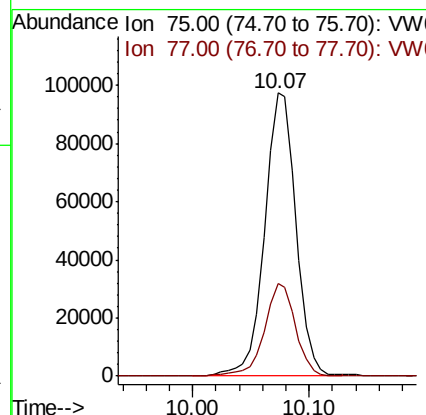
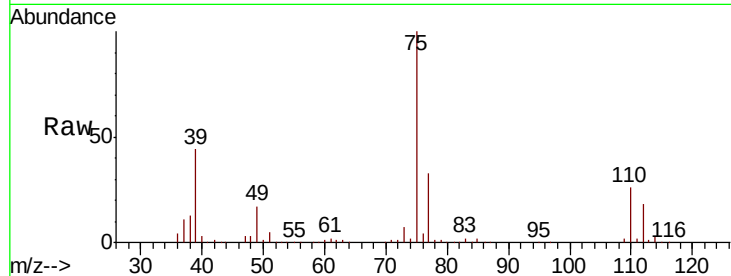




#42
 cis-1,3-Dichloropropene
 Concen: 23.936 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

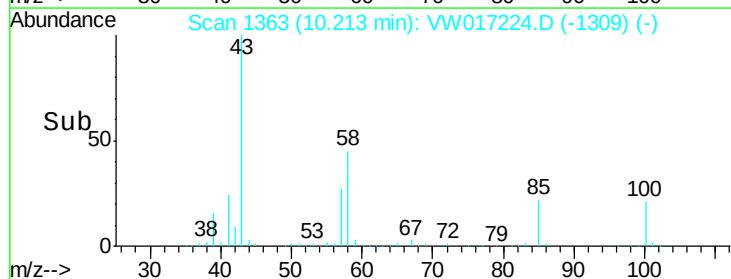
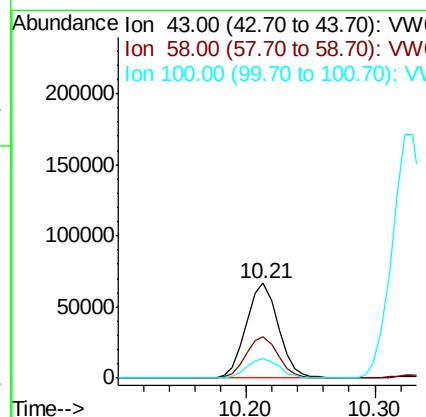
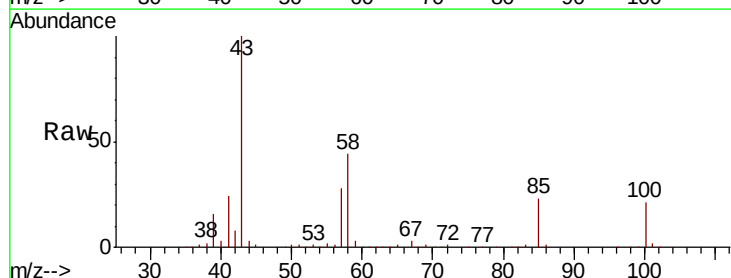
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02527

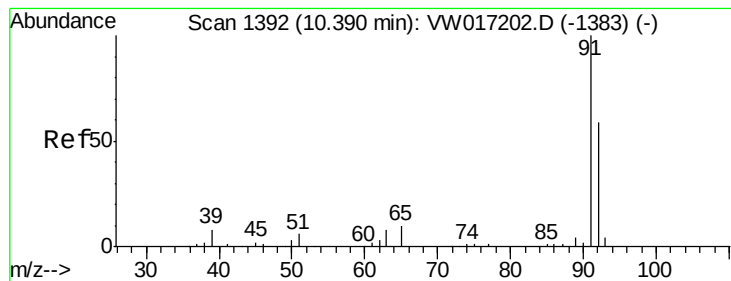
Tot Ion: 75 Resp: 182339
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 39.037 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion: 43 Resp: 115832
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.6
 100 20.5 16.6 24.8





#44

Toluene

Concen: 24.167 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

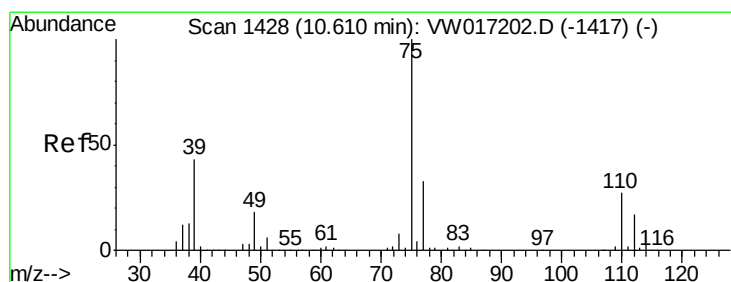
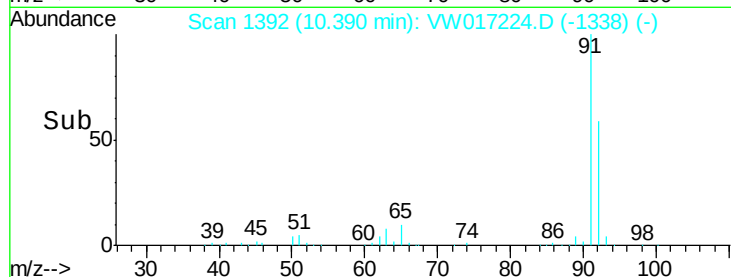
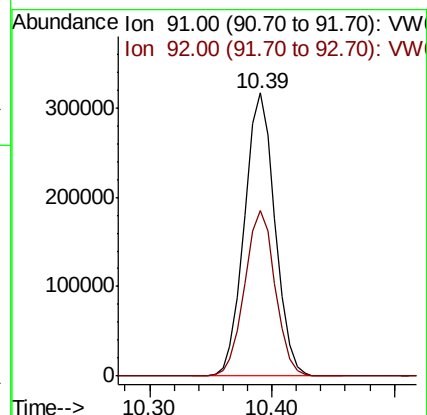
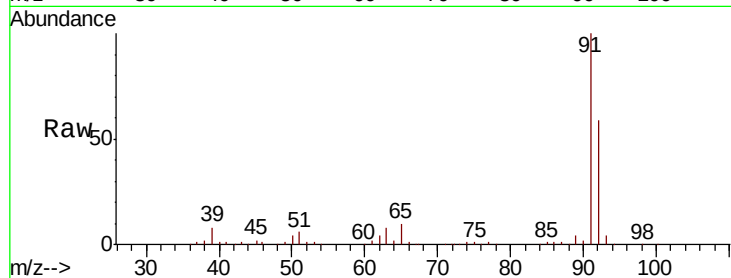
VSTD02527

Tot Ion: 91 Resp: 547294

Ion Ratio Lower Upper

91 100

92 58.7 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 23.851 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017224.D

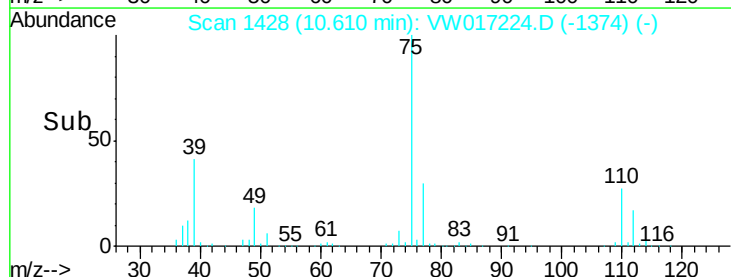
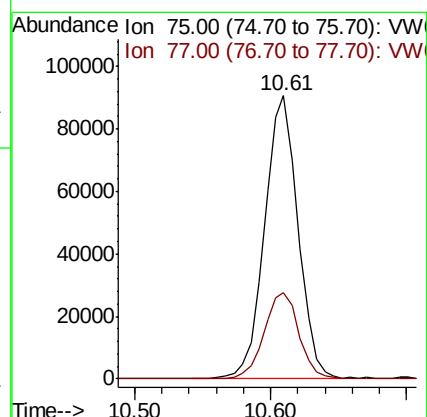
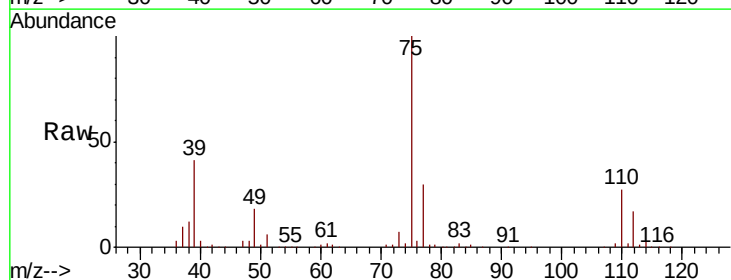
Acq: 13 Nov 2020 19:44

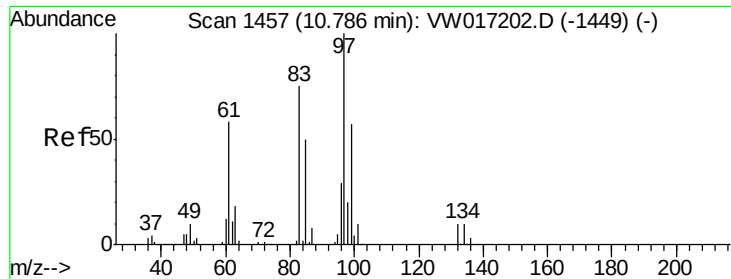
Tgt Ion: 75 Resp: 156036

Ion Ratio Lower Upper

75 100

77 30.3 22.1 41.1

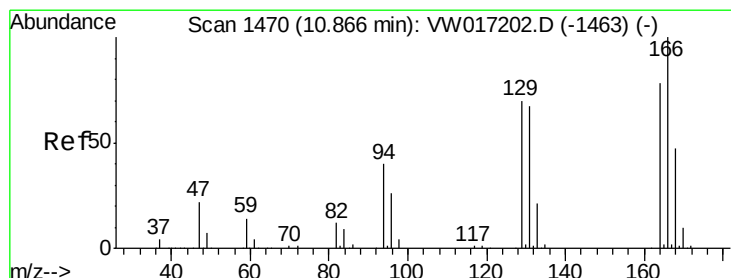
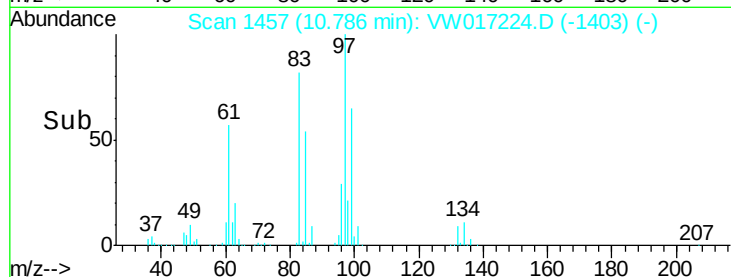
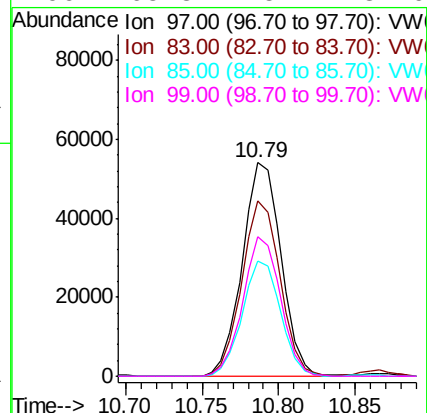
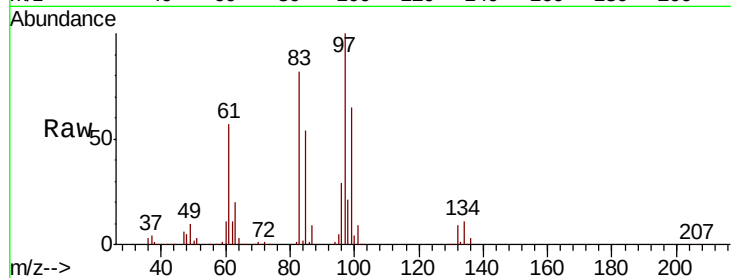




#46
1,1,2-Trichloroethane
Concen: 23.023 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

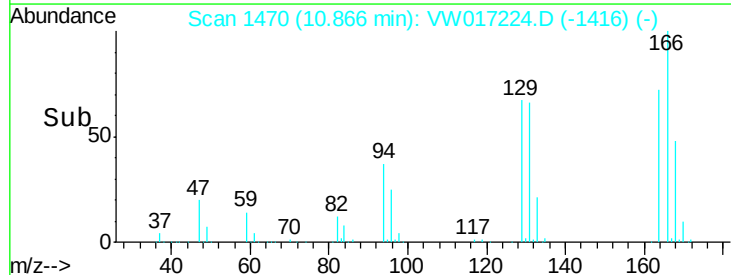
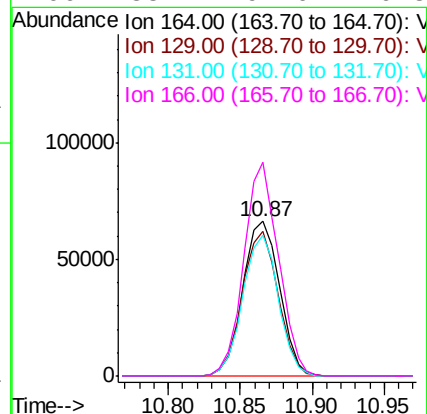
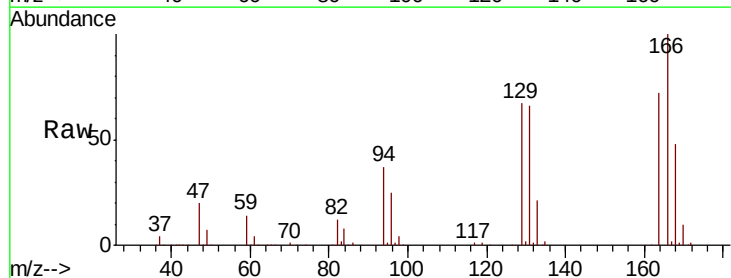
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

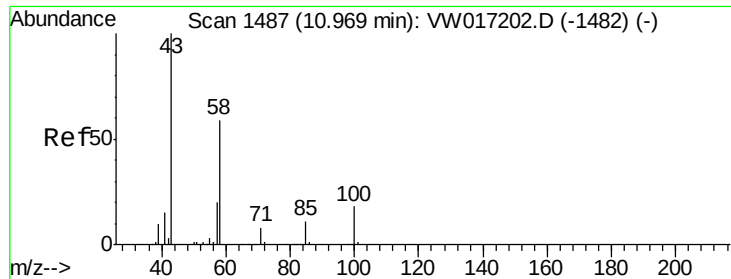
Tot Ion:	97	Resp:	95467
Ion	Ratio	Lower	Upper
97	100		
83	82.0	57.3	106.5
85	53.9	37.2	69.0
99	65.3	45.7	84.9



#47
Tetrachloroethene
Concen: 22.554 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion:	164	Resp:	117278
Ion	Ratio	Lower	Upper
164	100		
129	93.3	62.9	116.7
131	91.3	63.3	117.5
166	138.2	92.0	170.8

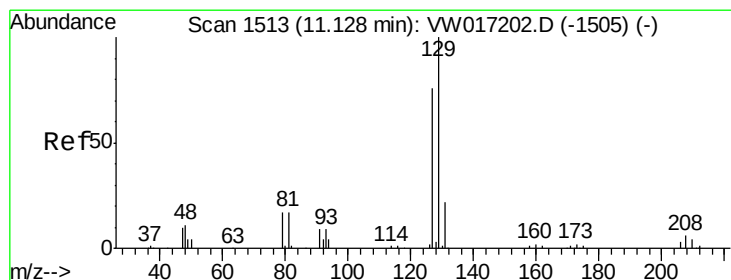
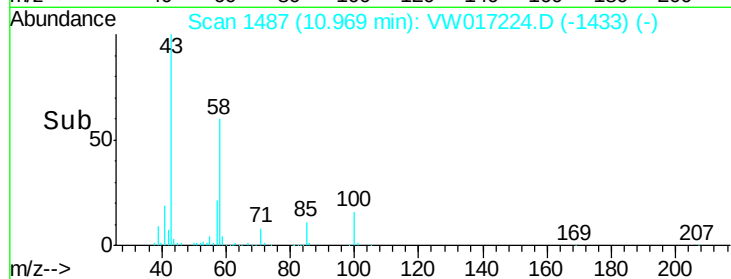
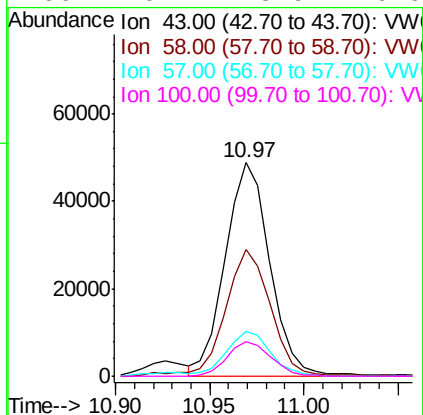
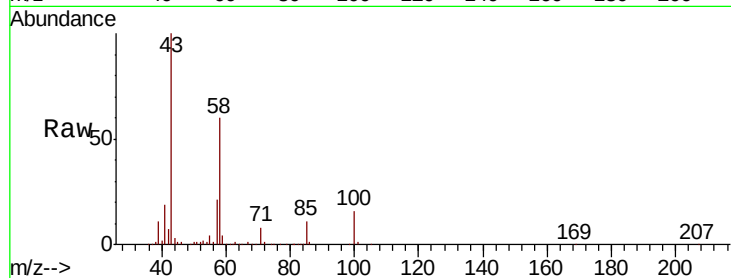




#49
2-Hexanone
Concen: 44.718 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

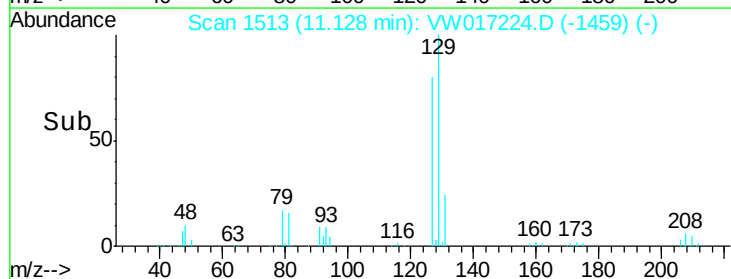
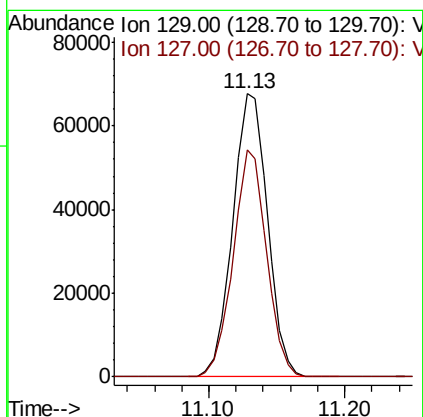
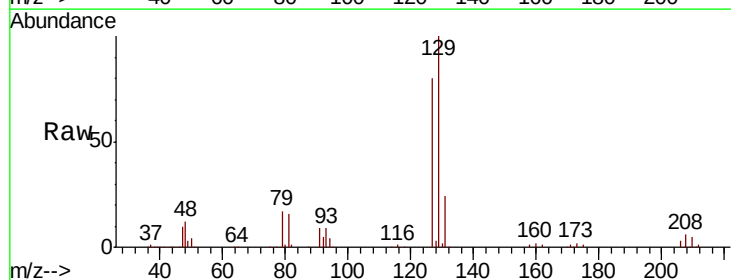
Instrument :
MSVOA_W
ClientSampled :
VSTD02527

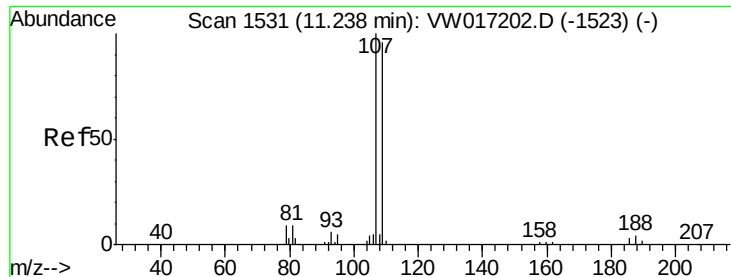
Tot Ion: 43 Resp: 79996
Ion Ratio Lower Upper
43 100
58 58.7 50.6 75.8
57 21.0 17.8 26.6
100 16.2 13.9 20.9



#50
Dibromochloromethane
Concen: 23.879 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion: 129 Resp: 120636
Ion Ratio Lower Upper
129 100
127 80.2 54.3 100.9

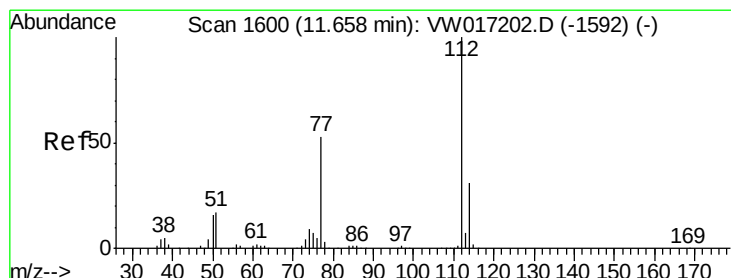
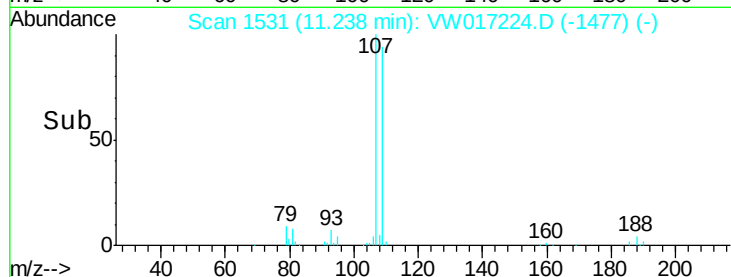
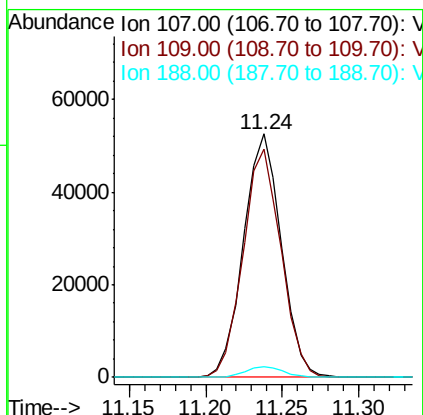
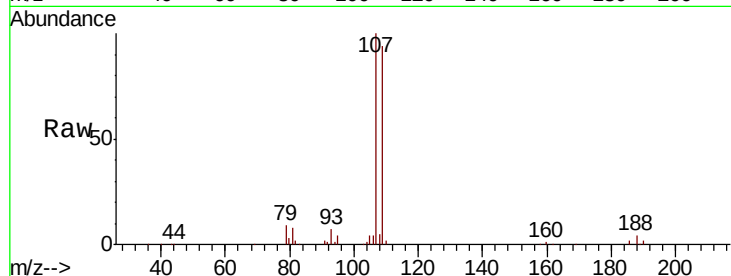




#51
 1,2-Dibromoethane
 Concen: 22.450 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

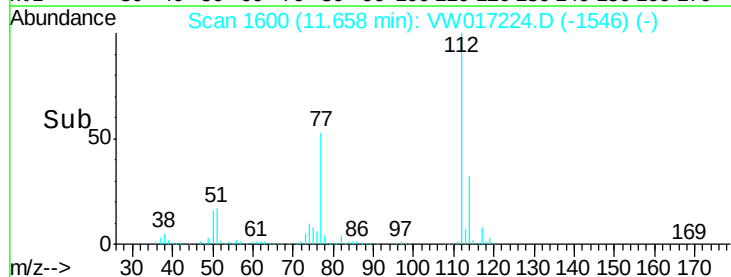
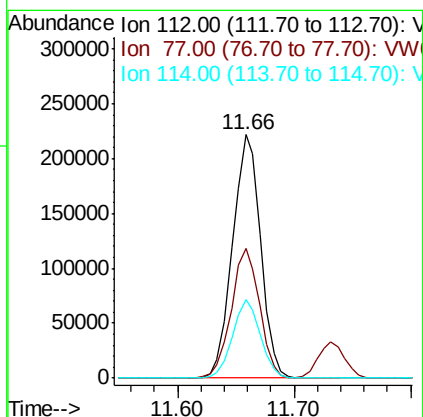
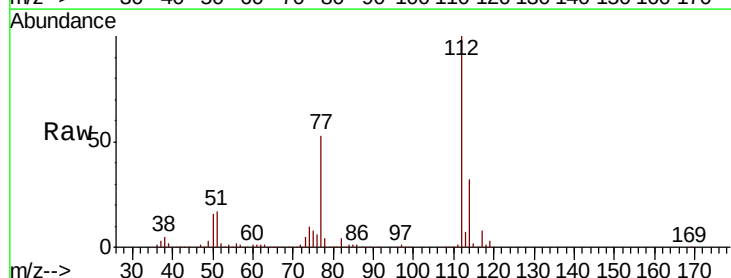
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

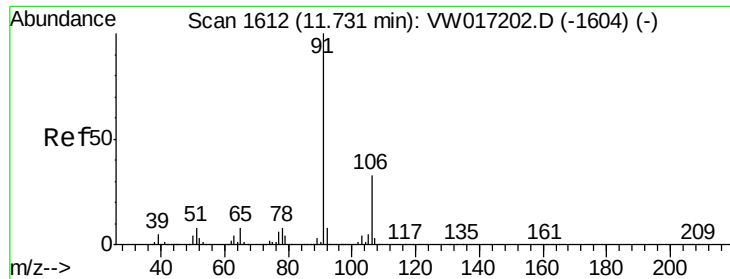
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	64.3	119.5
188	4.5	3.3	4.9



#52
 Chlorobenzene
 Concen: 24.318 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.3	41.7	62.5
114	32.1	22.3	41.3

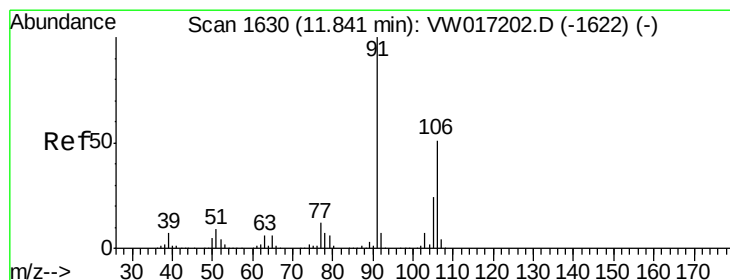
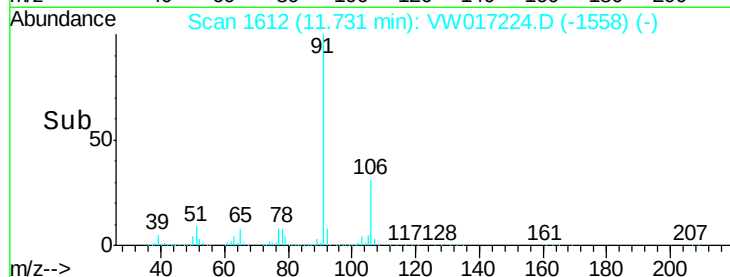
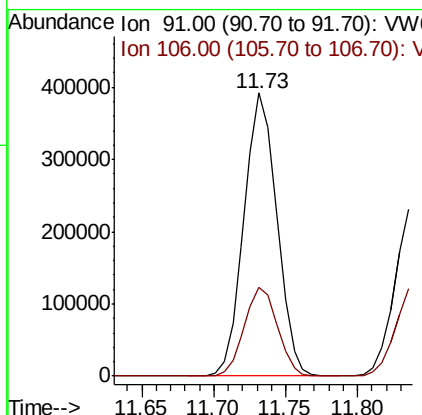
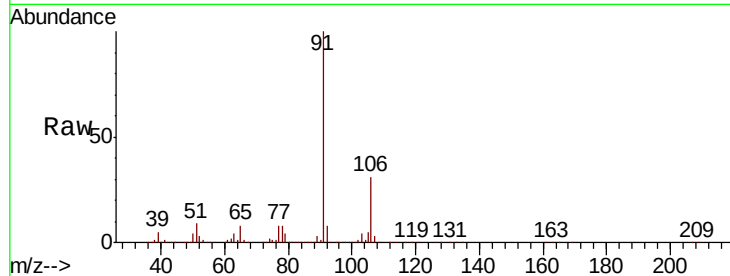




#53
Ethylbenzene
Concen: 24.534 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

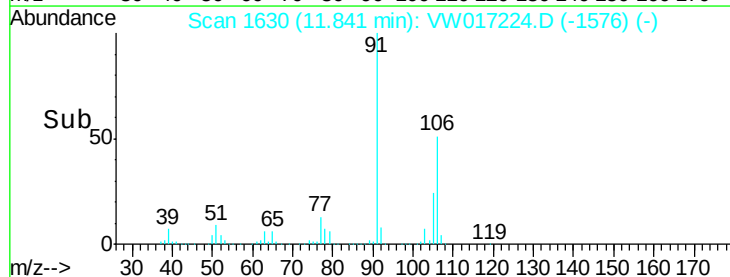
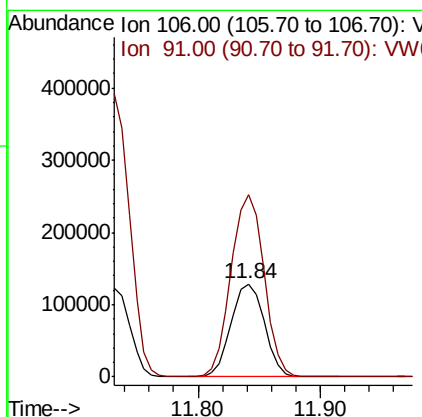
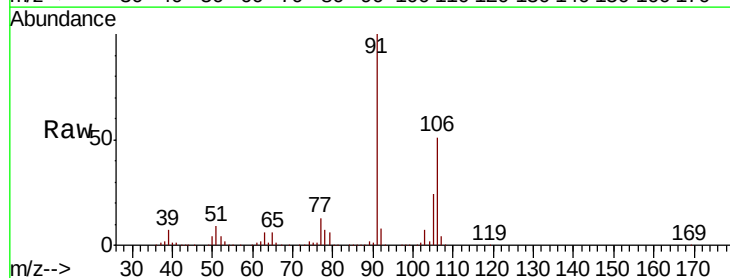
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

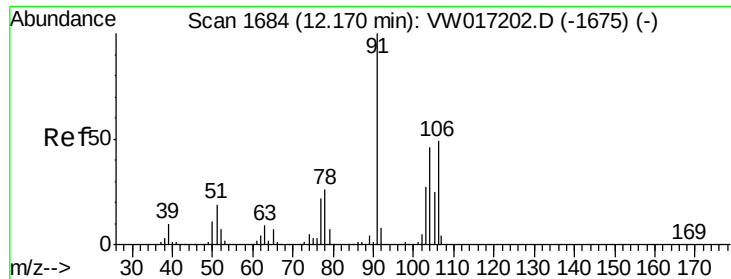
Tot Ion: 91 Resp: 620608
Ion Ratio Lower Upper
91 100
106 31.4 22.9 42.5



#54
m,p-Xylene
Concen: 24.616 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion: 106 Resp: 243576
Ion Ratio Lower Upper
106 100
91 197.0 138.7 257.5

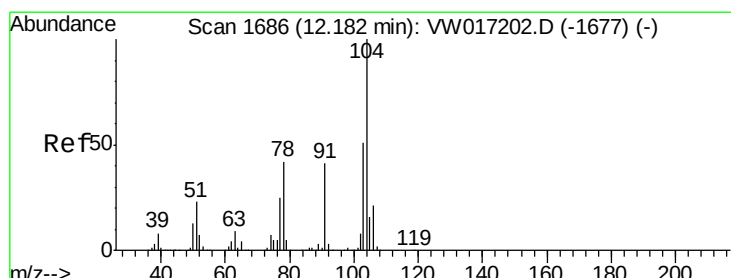
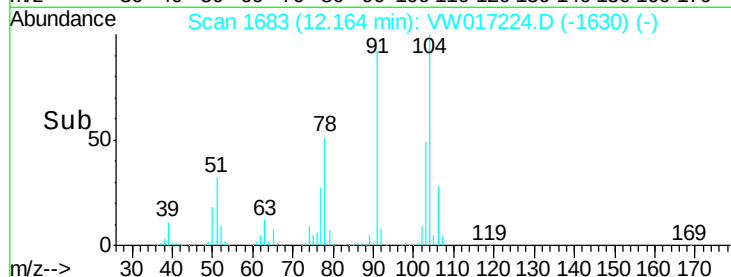
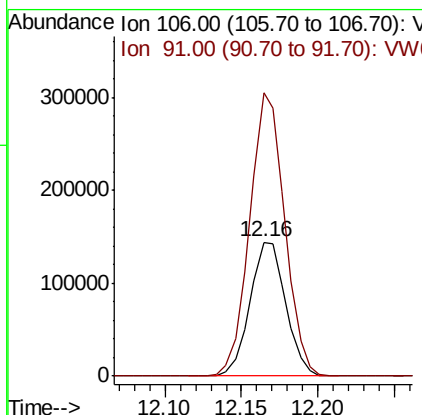
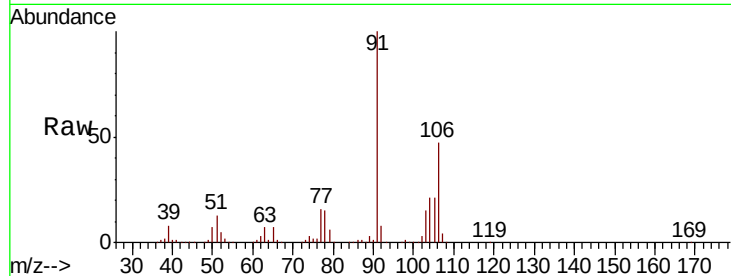




#55
o-xylene
Concen: 24.959 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

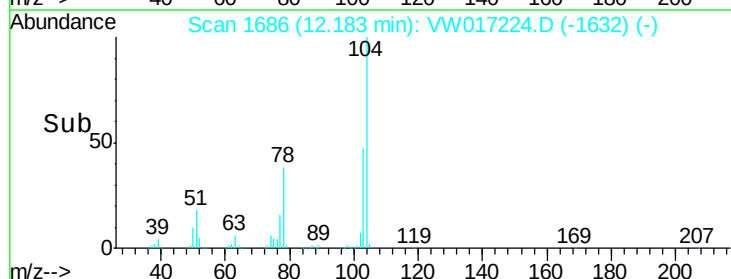
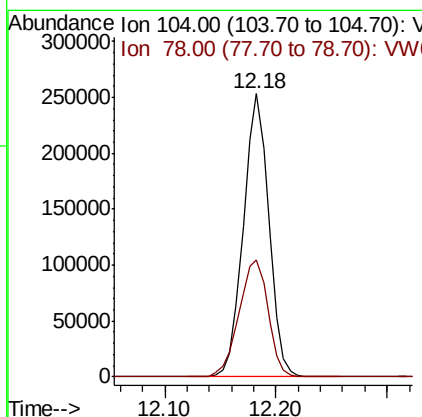
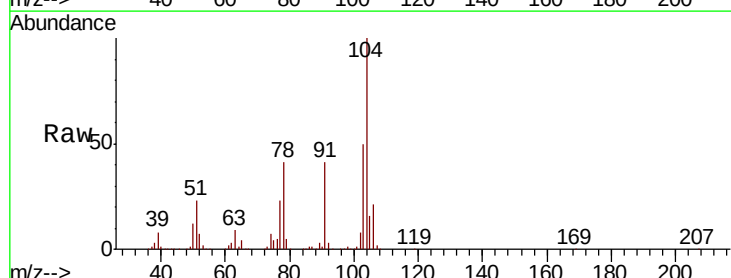
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

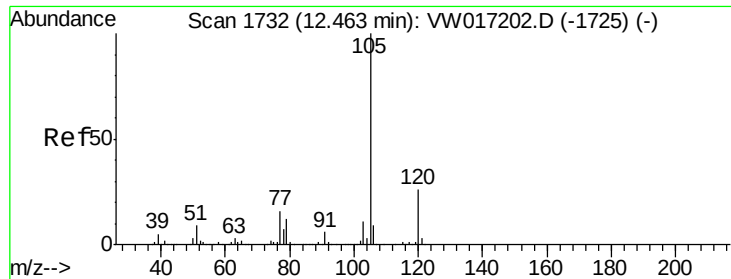
Tot Ion:106 Resp: 234415
Ion Ratio Lower Upper
106 100
91 211.1 140.8 261.4



#56
Styrene
Concen: 25.473 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017224.D
Acq: 13 Nov 2020 19:44

Tgt Ion:104 Resp: 401675
Ion Ratio Lower Upper
104 100
78 41.5 28.2 52.4





#57

Isopropylbenzene

Concen: 25.201 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

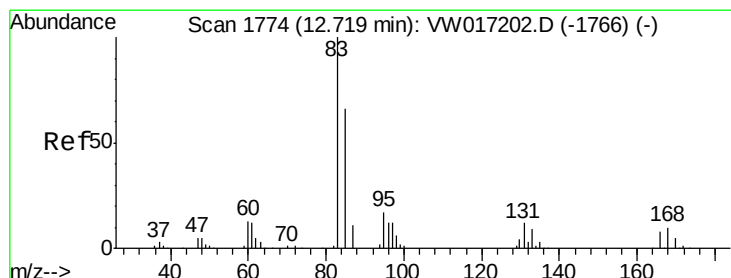
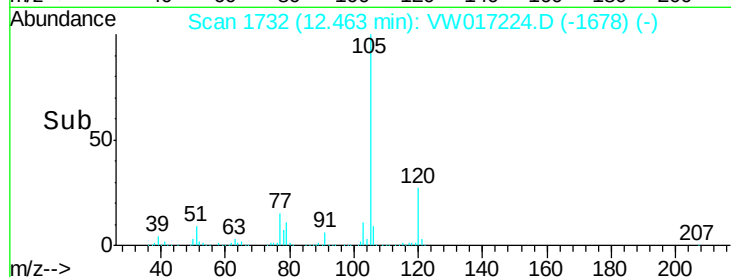
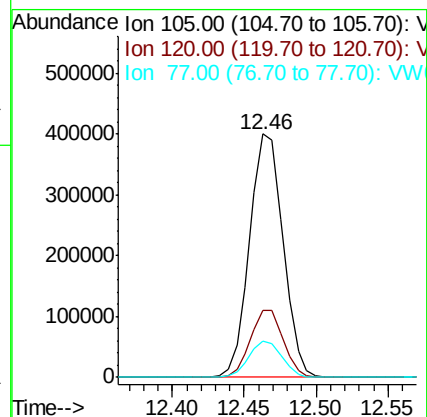
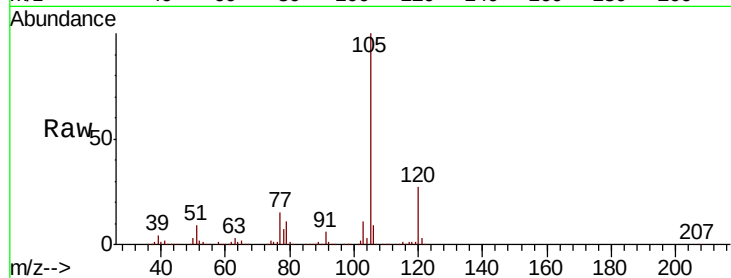
Tot Ion:105 Resp: 642350

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.6

77 14.8 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 22.481 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

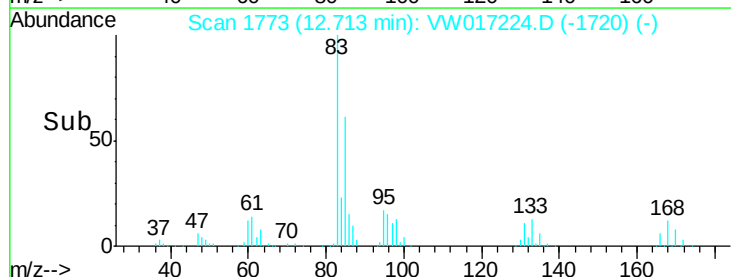
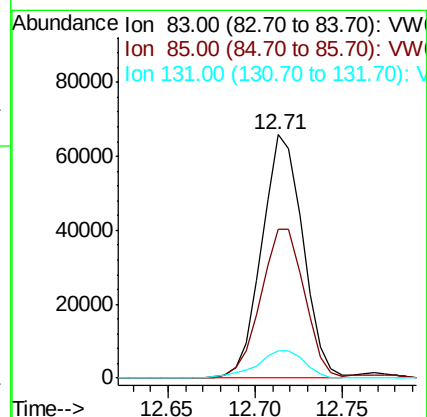
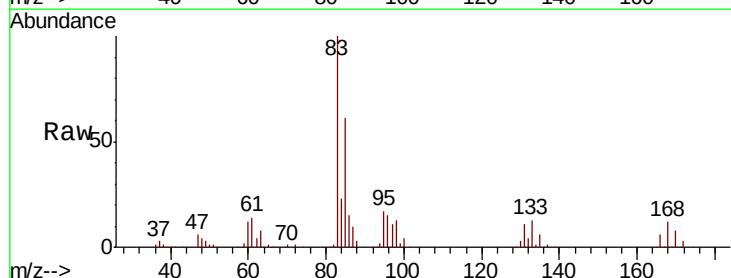
Tgt Ion: 83 Resp: 107692

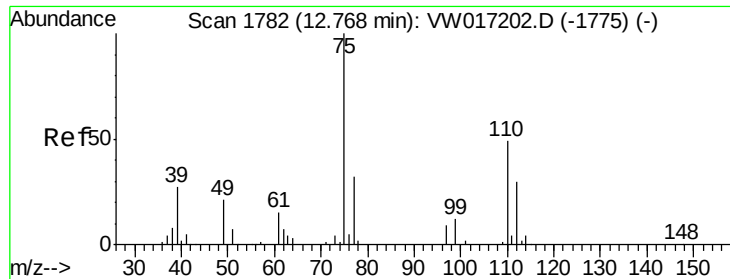
Ion Ratio Lower Upper

83 100

85 61.4 44.9 83.5

131 11.3 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 22.188 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

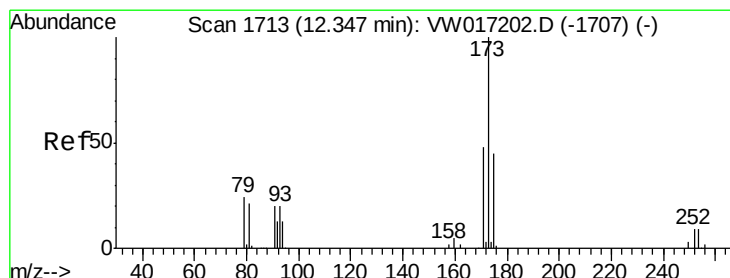
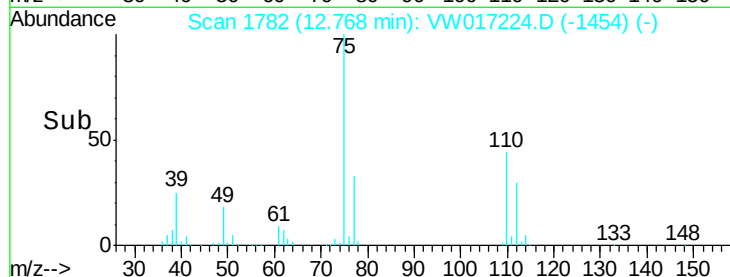
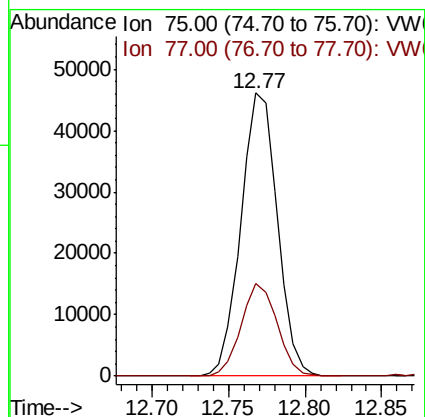
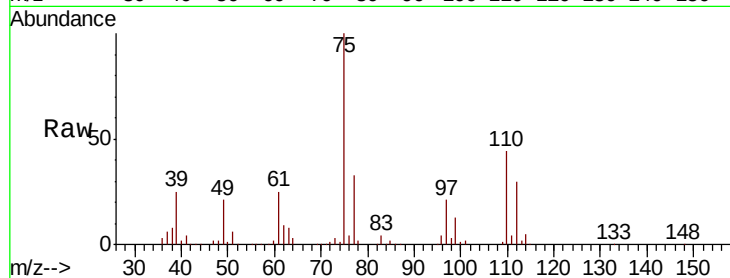
VSTD02527

Tot Ion: 75 Resp: 76397

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6



#62

Bromoform

Concen: 22.008 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

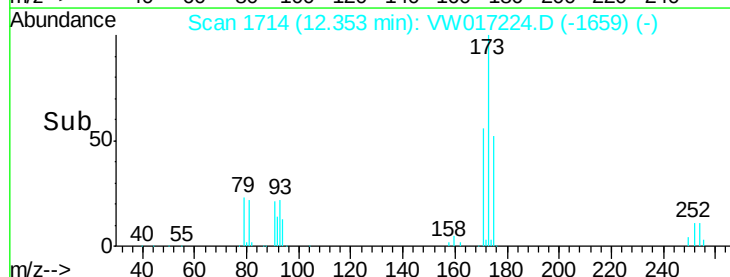
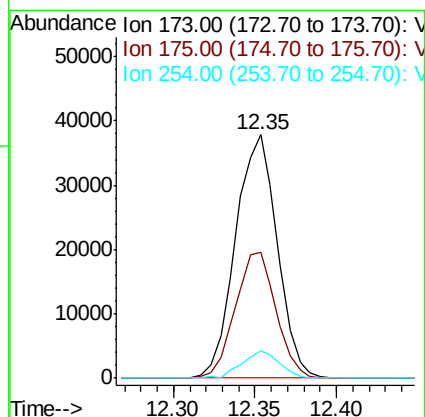
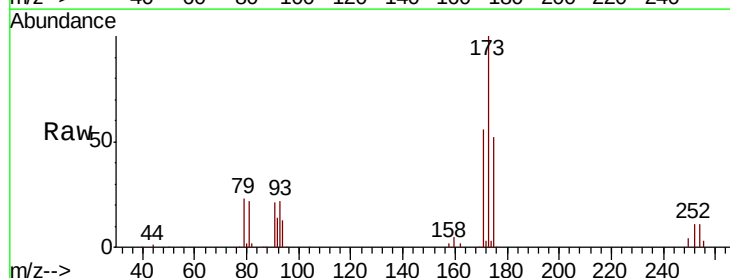
Tgt Ion: 173 Resp: 67056

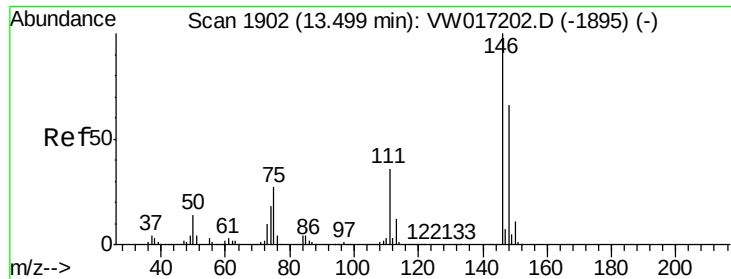
Ion Ratio Lower Upper

173 100

175 50.7 38.3 57.5

254 9.9 8.1 12.1

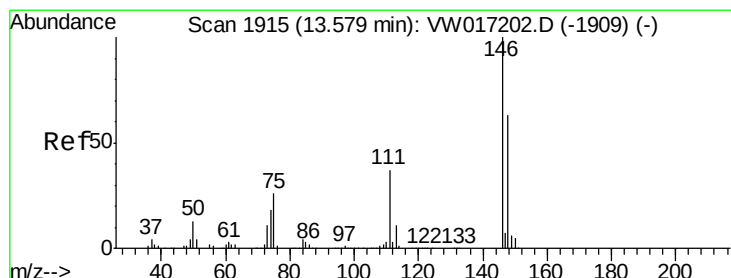
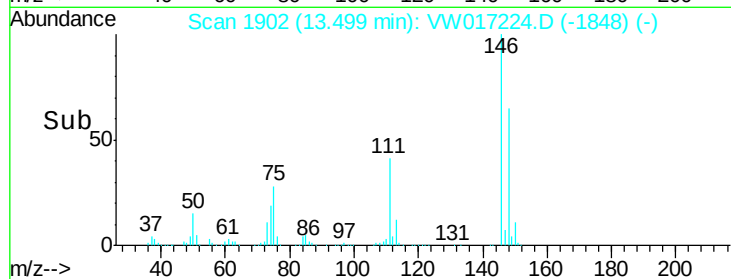
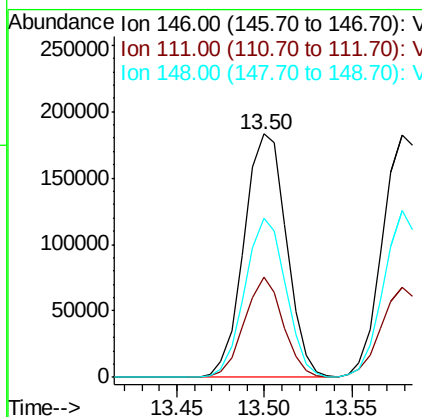
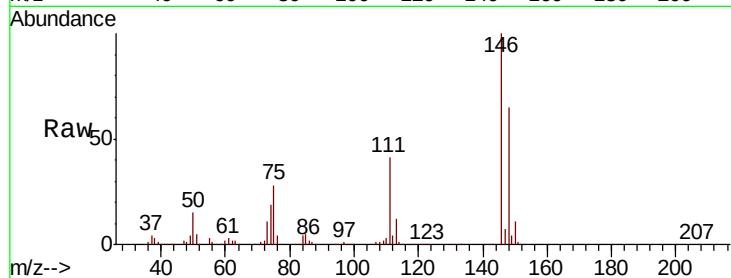




#63
 1,3-Dichlorobenzene
 Concen: 25.034 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

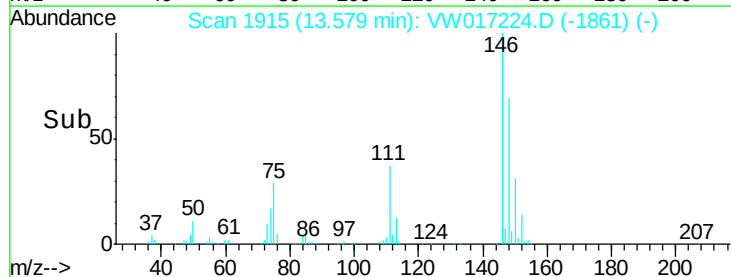
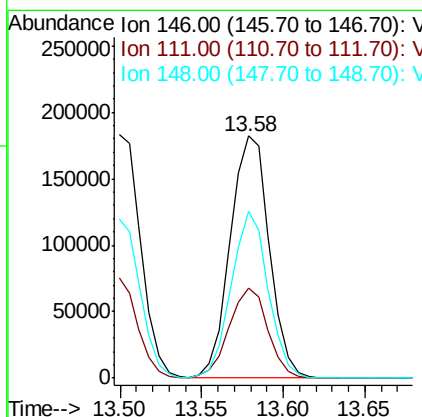
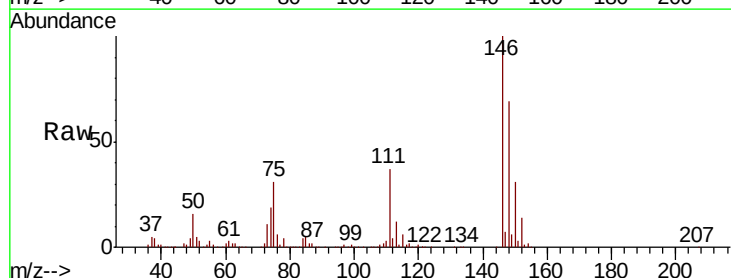
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

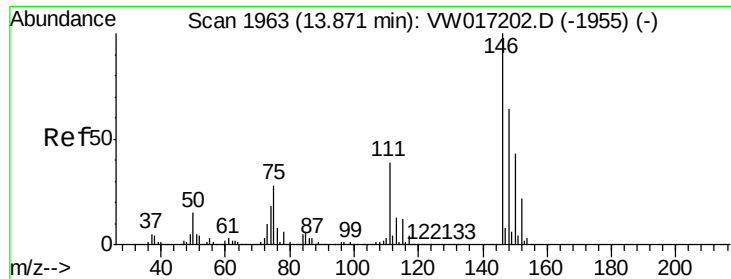
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.4	49.0
148	65.1	42.1	78.1



#64
 1,4-Dichlorobenzene
 Concen: 24.475 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	24.5	45.5
148	69.0	45.5	84.5

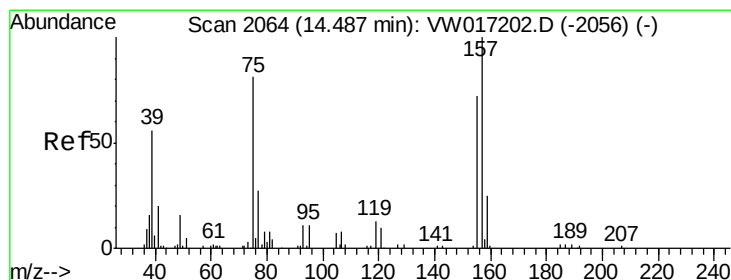
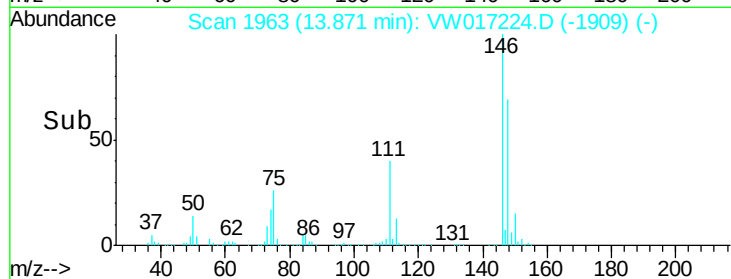
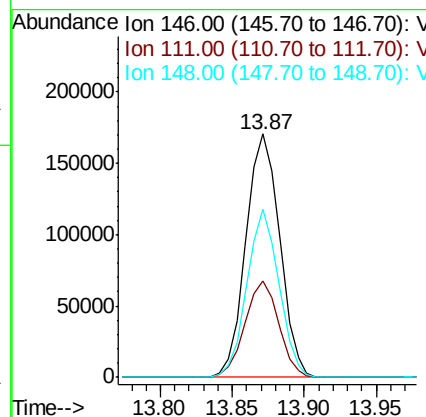
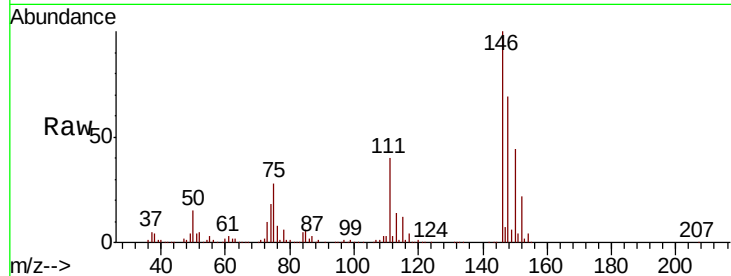




#65
 1,2-Dichlorobenzene
 Concen: 24.988 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

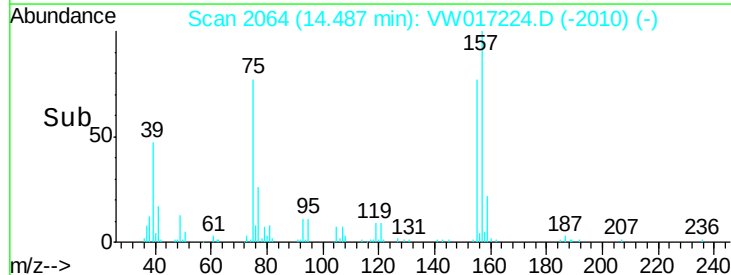
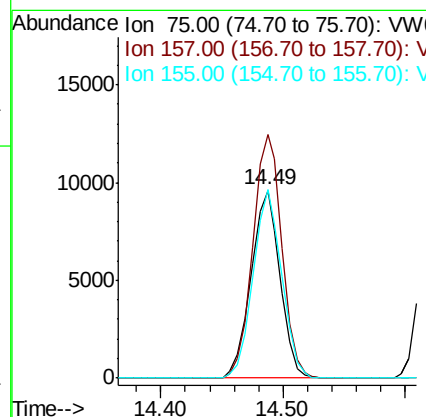
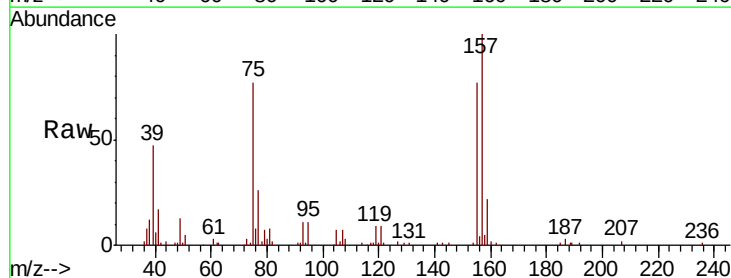
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

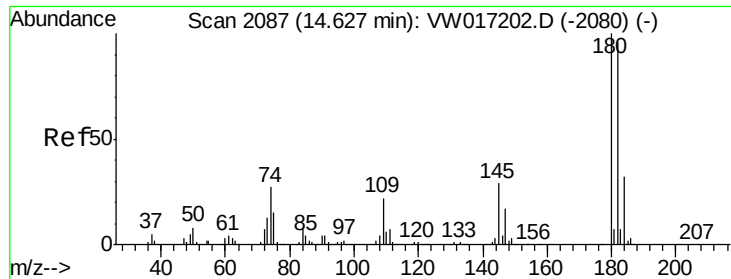
Tot Ion:146 Resp: 278230
 Ion Ratio Lower Upper
 146 100
 111 39.8 30.5 45.7
 148 69.3 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.372 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Tgt Ion: 75 Resp: 15734
 Ion Ratio Lower Upper
 75 100
 157 129.9 108.2 162.4
 155 100.6 79.1 118.7

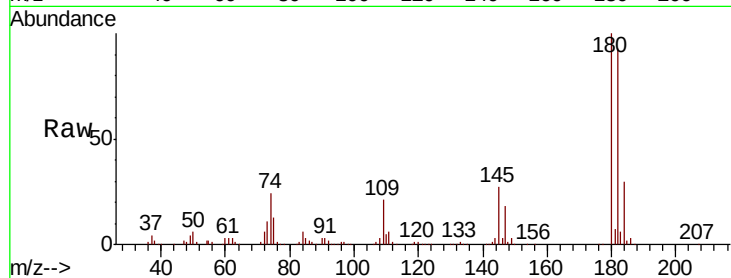




#67
 1,3,5-Trichlorobenzene
 Concen: 25.160 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tot Ion:180	Resp:	228917
Ion Ratio	Lower	Upper
180	100	
182	94.6	77.2 115.8
184	30.9	24.2 36.4
145	28.5	23.5 35.3

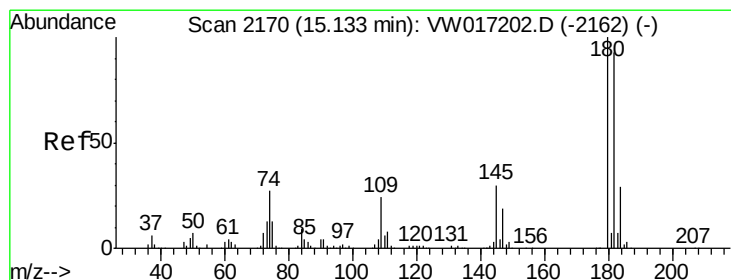
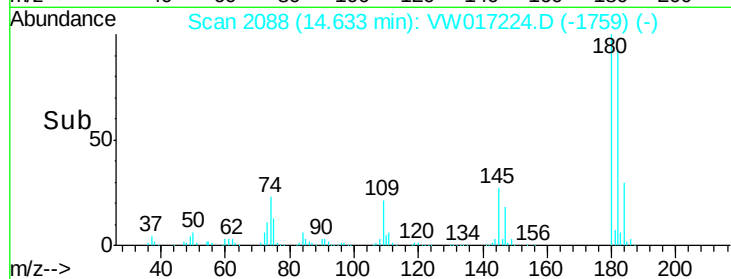
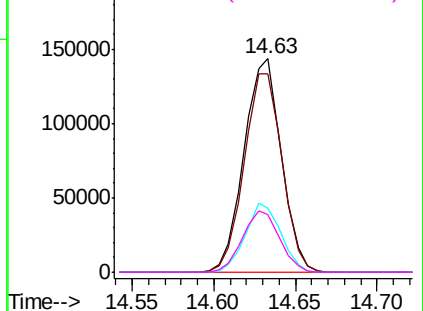


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

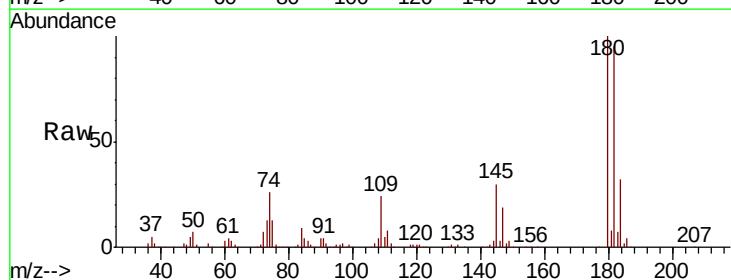
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.679 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017224.D
 Acq: 13 Nov 2020 19:44

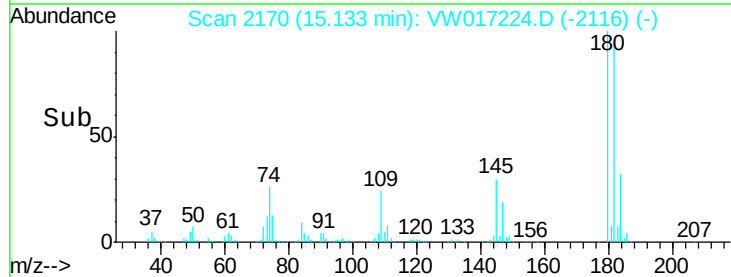
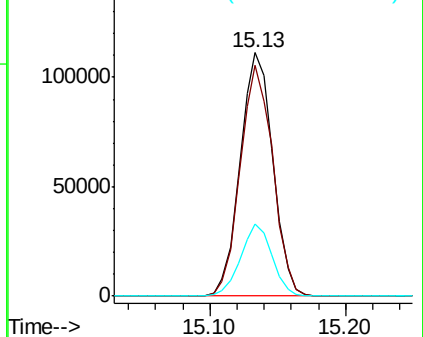
Tgt Ion:180	Resp:	186449
Ion Ratio	Lower	Upper
180	100	
182	94.6	76.7 115.1
145	28.6	23.6 35.4

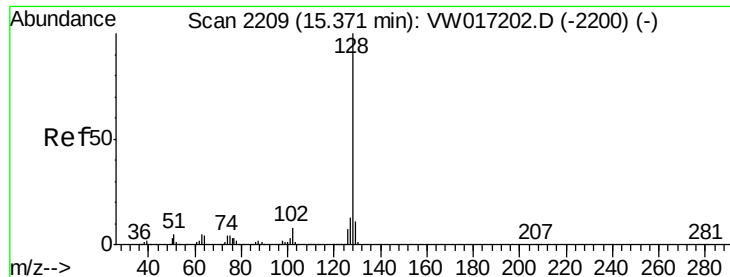


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.734 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

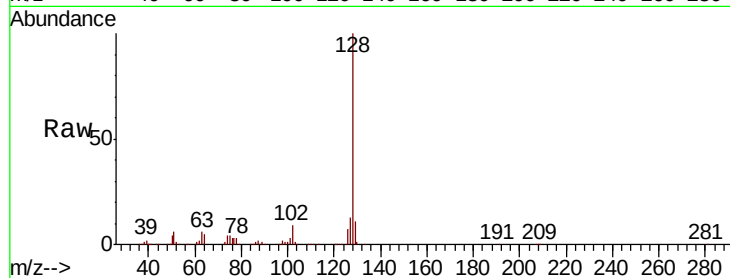
Tot Ion:128 Resp: 317128

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

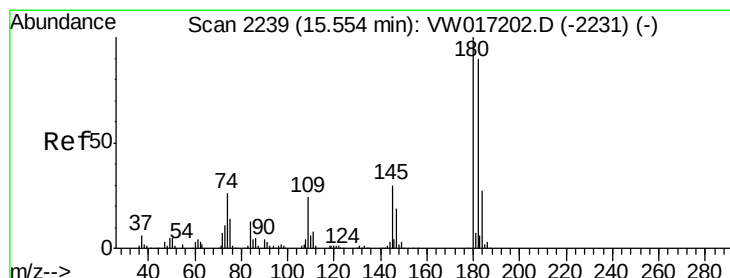
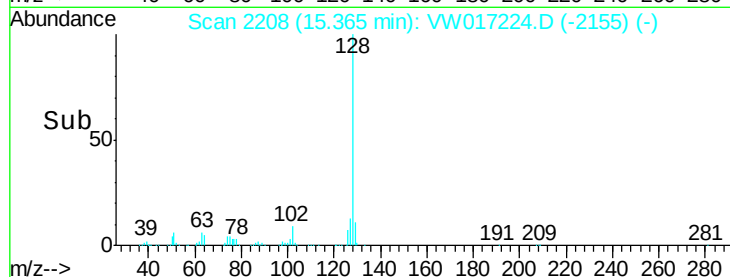
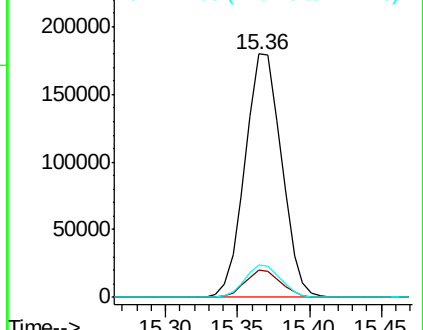
127 13.0 10.2 15.2



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: 24.346 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017224.D

Acq: 13 Nov 2020 19:44

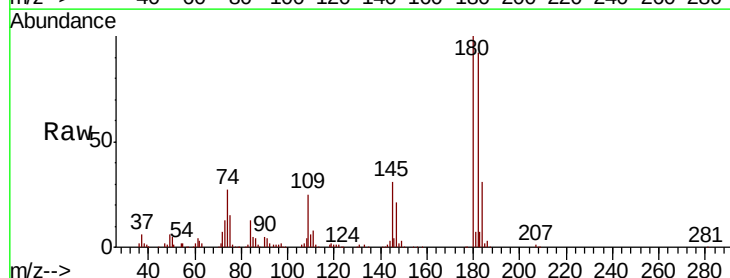
Tgt Ion:180 Resp: 161519

Ion Ratio Lower Upper

180 100

182 96.2 75.5 113.3

145 31.2 24.5 36.7



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

