

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031220\
 Data File : VW015115.D
 Acq On : 12 Mar 2020 10:17
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Mar 13 02:09:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 12 17:45:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	748233	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	664187	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	290338	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	338352	18.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.32%
7) Chloroethane-d5	2.89	69	287514	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
10) 1,1-Dichloroethene-d2	4.03	63	705860	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
20) 2-Butanone-d5	7.07	46	172299	55.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.16%
24) Chloroform-d	7.65	84	631436	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	8.31	65	350555	25.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.96%
29) Benzene-d6	8.27	84	1232438	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	9.27	67	413468	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.24%
37) Toluene-d8	10.32	98	1080799	28.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.56%
38) trans-1,3-Dichloropropene-	10.57	79	155605	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.20%
39) 2-Hexanone-d5	10.92	63	123732	61.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	274430	27.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	286283	26.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	151752	23.769	ug/L	98
3) Chloromethane	2.22	50	269631	18.423	ug/L	98
5) Vinyl chloride	2.37	62	392672	20.736	ug/L	100
6) Bromomethane	2.78	94	193074	22.712	ug/L	100
8) Chloroethane	2.93	64	233367	22.649	ug/L	96
9) Trichlorofluoromethane	3.26	101	230207	26.975	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	300689	25.582	ug/L	99
12) 1,1-Dichloroethene	4.04	96	282477	25.243	ug/L	91
13) Acetone	4.12	43	175359	47.393	ug/L	98
14) Carbon disulfide	4.39	76	957174	22.858	ug/L	99
15) Methyl Acetate	4.67	43	152264	24.439	ug/L	98
16) Methylene chloride	4.92	84	315524	22.783	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	365415	26.978	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	296003	25.603	ug/L	97
19) 1,1-Dichloroethane	6.21	63	657116	25.484	ug/L	97
21) 2-Butanone	7.17	43	213789	49.136	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	311698	26.492	ug/L	94

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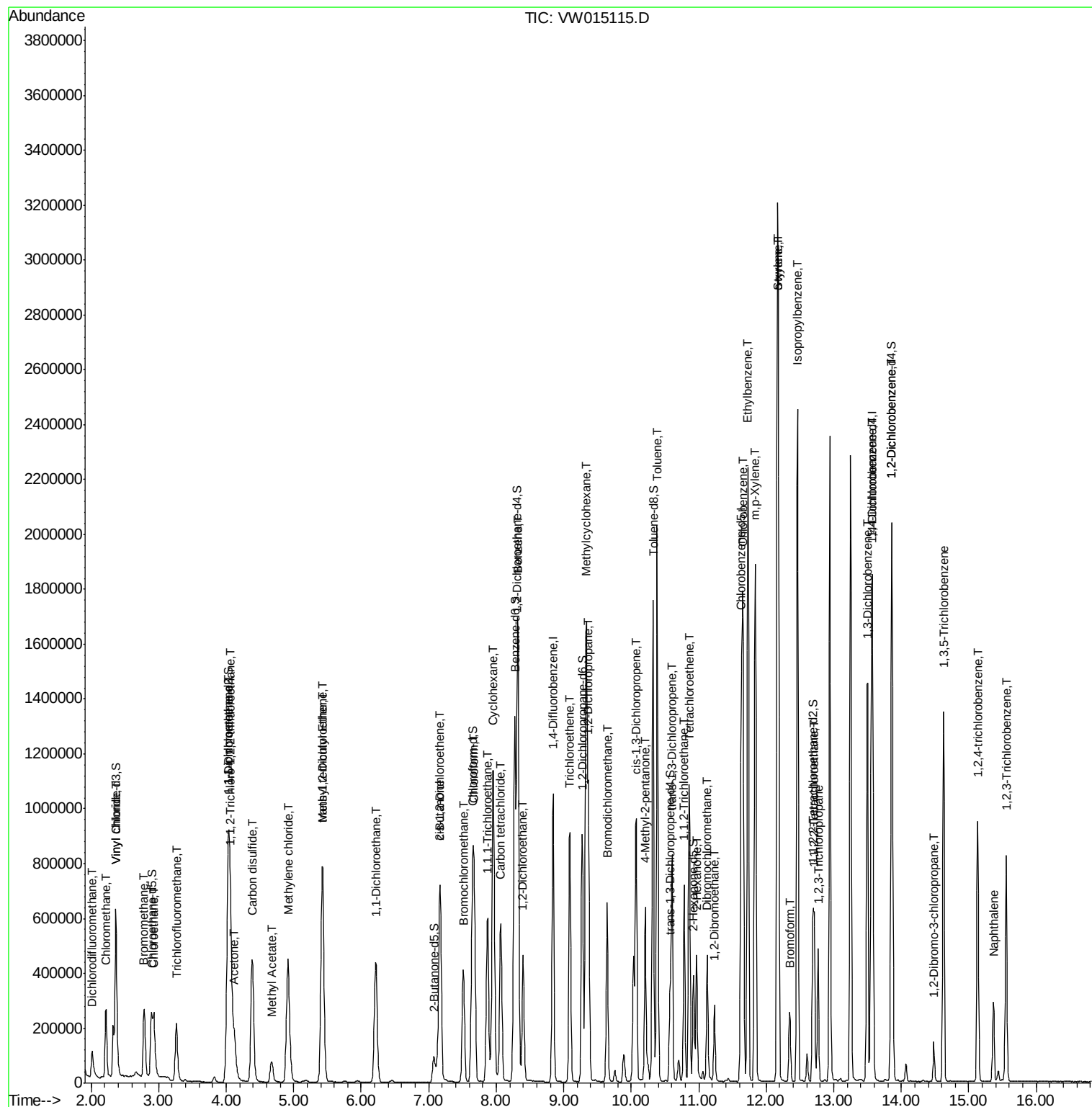
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	113696	24.841	ug/L	95
25) Chloroform	7.67	83	582638	24.898	ug/L	98
27) 1,2-Dichloroethane	8.40	62	410701	25.651	ug/L	98
30) Cyclohexane	7.96	56	635618	28.623	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	455555	26.595	ug/L	98
32) Carbon tetrachloride	8.07	117	402680	26.234	ug/L	99
34) Benzene	8.32	78	1353978	27.404	ug/L	100
35) Trichloroethene	9.09	95	318045	26.611	ug/L	99
36) Methylcyclohexane	9.34	83	602259	29.346	ug/L	97
40) 1,2-Dichloropropane	9.37	63	363929	26.521	ug/L	100
41) Bromodichloromethane	9.64	83	410090	26.642	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	516283	28.873	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	446258	58.144	ug/L	99
44) Toluene	10.38	91	1379265	28.744	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	409267	28.319	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	205169	26.570	ug/L	99
47) Tetrachloroethene	10.86	164	206355	26.790	ug/L	96
49) 2-Hexanone	10.97	43	315339	56.673	ug/L	99
50) Dibromochloromethane	11.13	129	220101	26.783	ug/L	97
51) 1,2-Dibromoethane	11.23	107	181576	26.981	ug/L	93
52) Chlorobenzene	11.65	112	762158	27.005	ug/L	99
53) Ethylbenzene	11.73	91	1511602	28.837	ug/L	98
54) m,p-Xylene	11.83	106	532307	29.025	ug/L	97
55) o-xylene	12.16	106	503255	29.450	ug/L	95
56) Styrene	12.18	104	858210	29.322	ug/L	97
57) Isopropylbenzene	12.46	105	1391026	29.890	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	257605	26.440	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	193727	25.870	ug/L	100
62) Bromoform	12.35	173	103700	25.411	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	514941	27.187	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	515396	26.429	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	463765	27.036	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	38762	25.595	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	345211	27.179	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	256664	27.649	ug/L	99
69) Naphthalene	15.36	128	223868	27.166	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	228182	27.387	ug/L	99

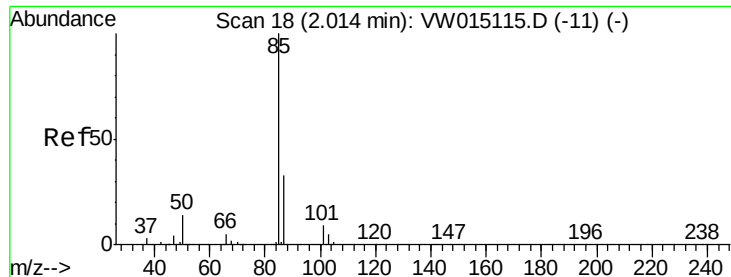
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.769 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

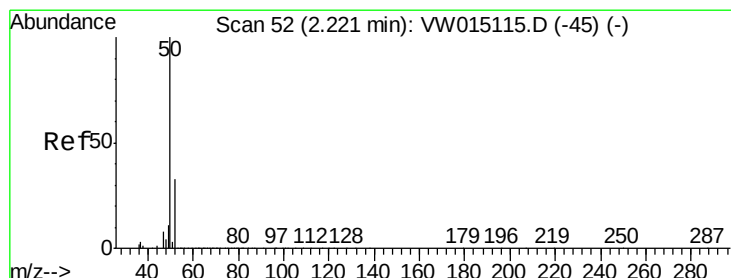
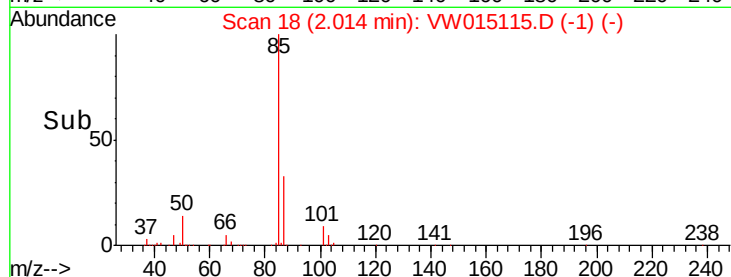
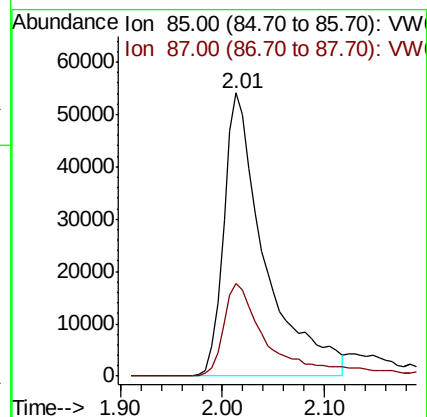
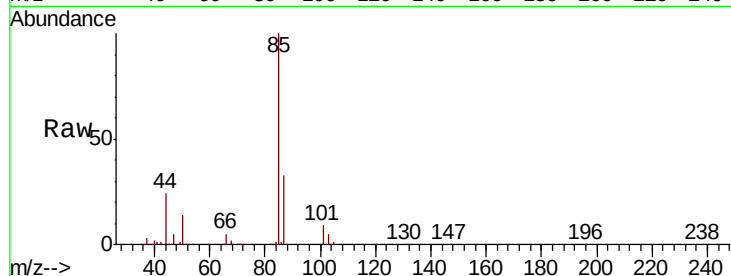
VSTD02514

Tot Ion: 85 Resp: 151752

Ion Ratio Lower Upper

85 100

87 32.4 22.0 41.0



#3

Chloromethane

Concen: 18.423 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW015115.D

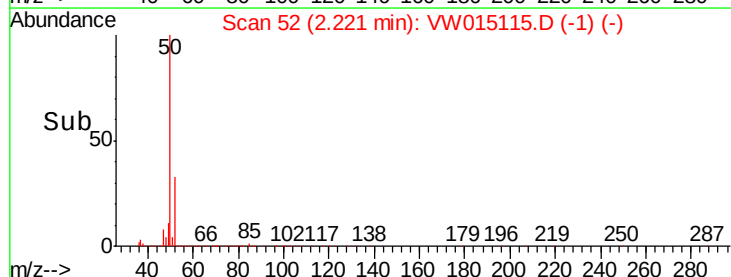
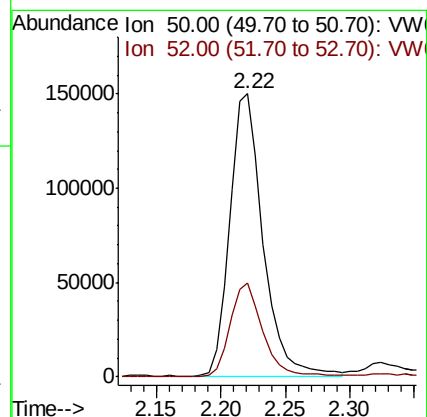
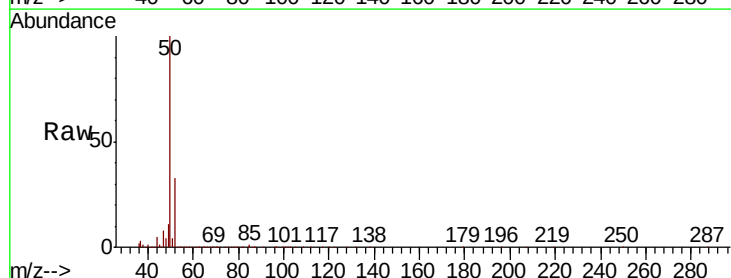
Acq: 12 Mar 2020 10:17

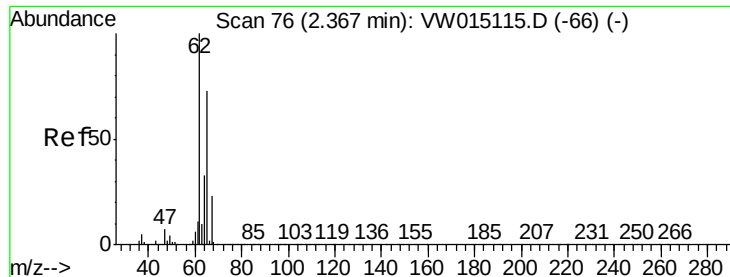
Tgt Ion: 50 Resp: 269631

Ion Ratio Lower Upper

50 100

52 33.1 22.3 41.5





#5

Vinyl chloride

Concen: 20.736 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

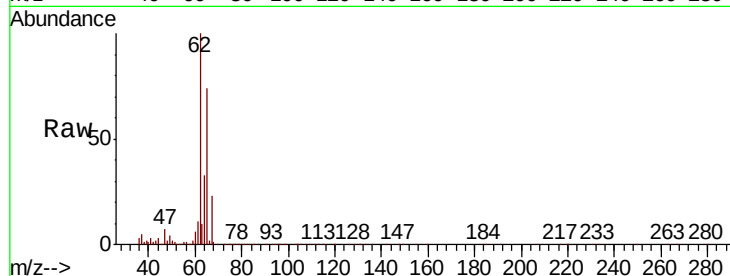
VSTD02514

Tot Ion: 62 Resp: 392672

Ion Ratio Lower Upper

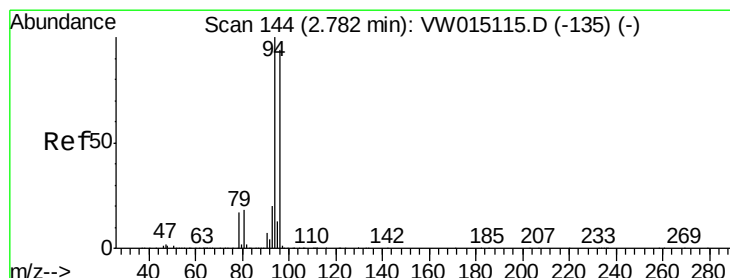
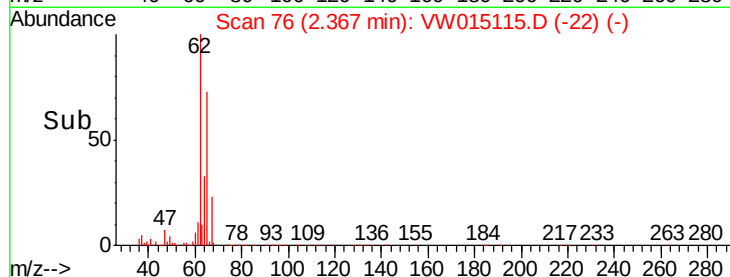
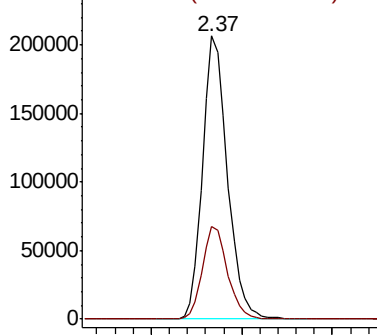
62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 22.712 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015115.D

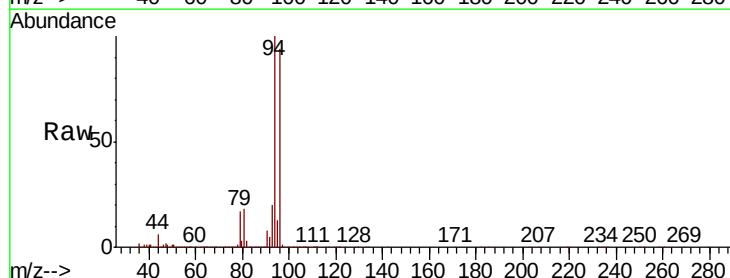
Acq: 12 Mar 2020 10:17

Tgt Ion: 94 Resp: 193074

Ion Ratio Lower Upper

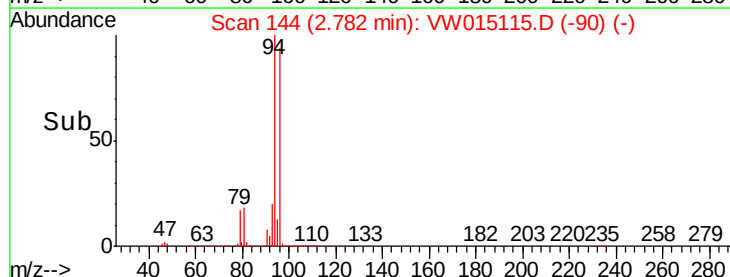
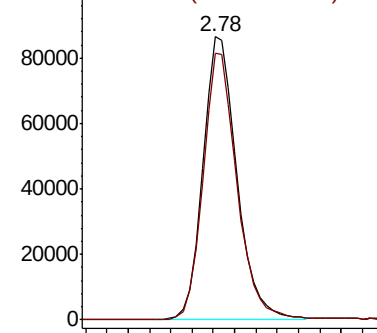
94 100

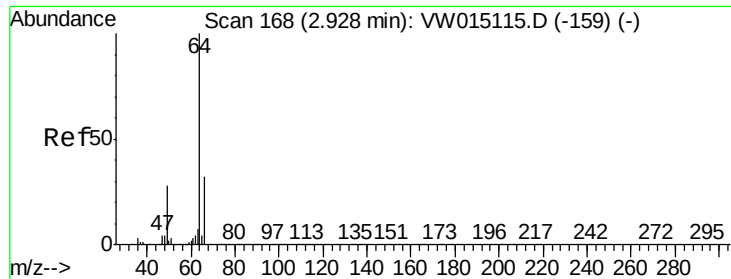
96 94.4 9.5 179.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 22.649 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

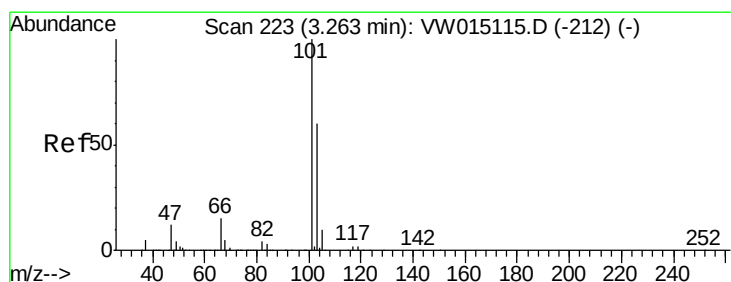
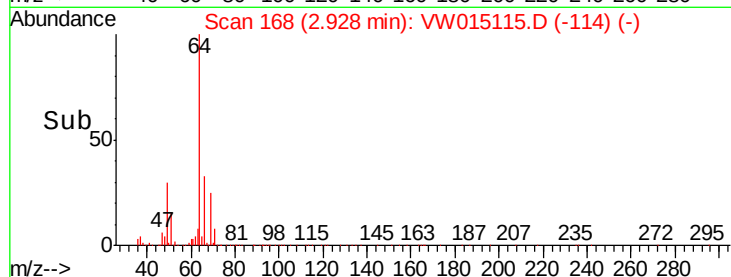
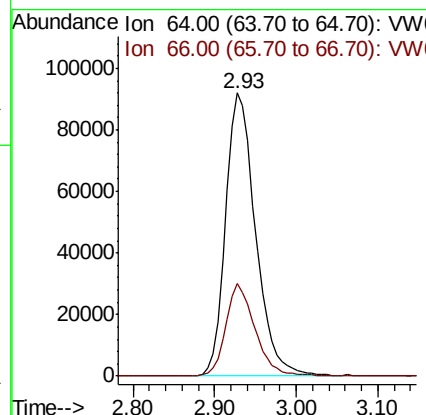
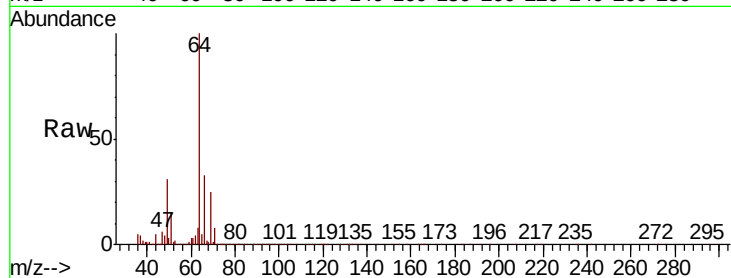
VSTD02514

Tot Ion: 64 Resp: 233367

Ion Ratio Lower Upper

64 100

66 32.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 26.975 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015115.D

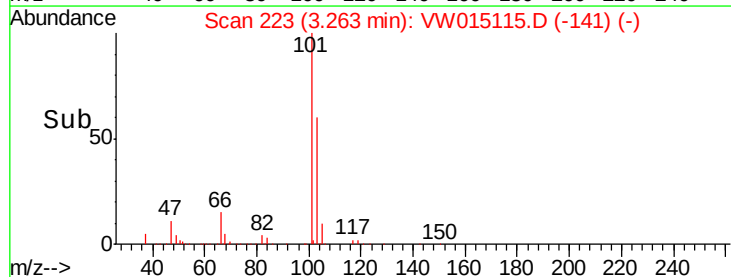
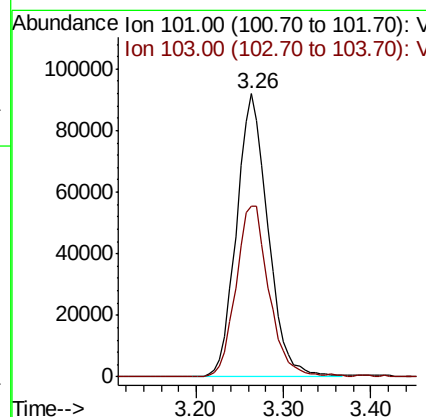
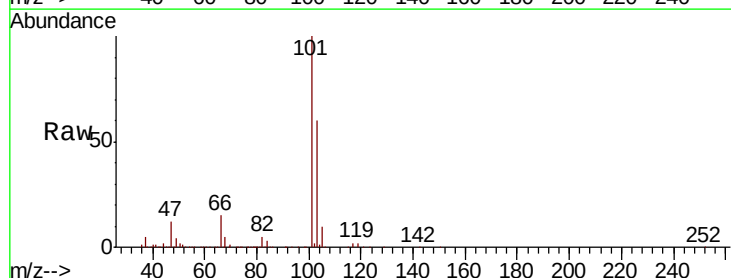
Acq: 12 Mar 2020 10:17

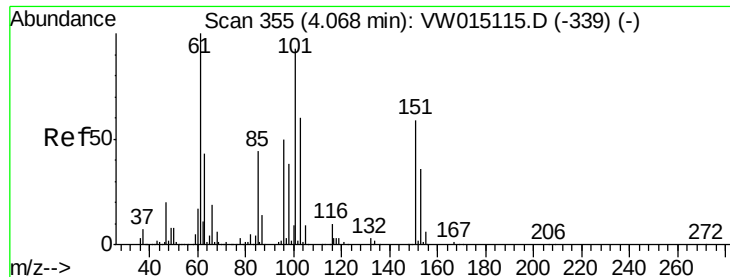
Tgt Ion: 101 Resp: 230207

Ion Ratio Lower Upper

101 100

103 62.6 44.9 83.5





#11

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

Concen: 25.582 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

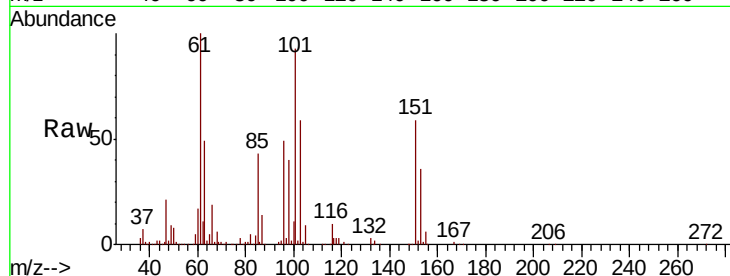
Tot Ion:101 Resp: 300689

Ion Ratio Lower Upper

101 100

85 46.7 37.8 56.8

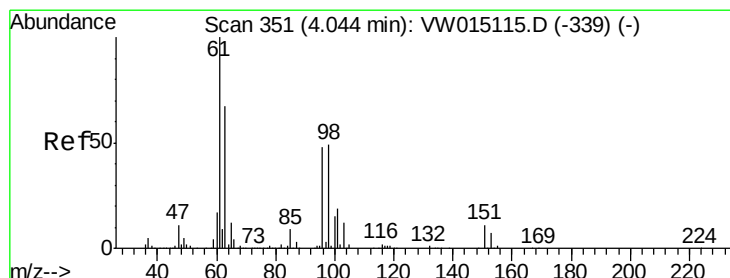
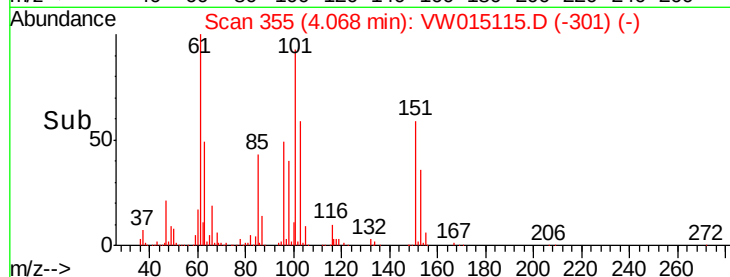
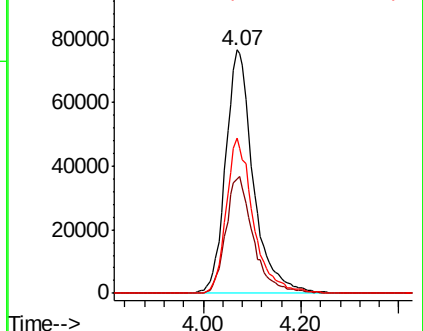
151 62.2 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.243 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

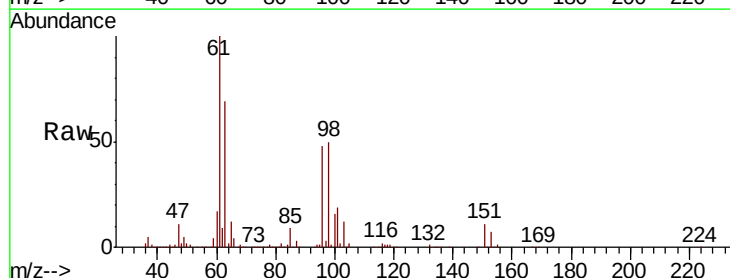
Tgt Ion: 96 Resp: 282477

Ion Ratio Lower Upper

96 100

61 209.6 138.5 257.1

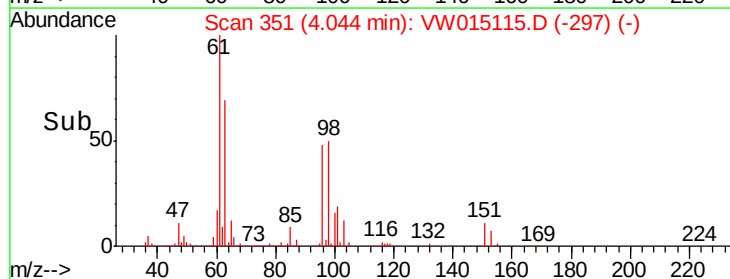
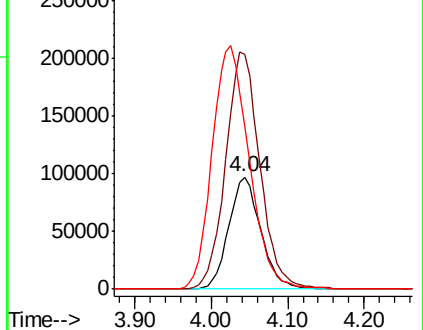
63 145.5 93.4 173.6

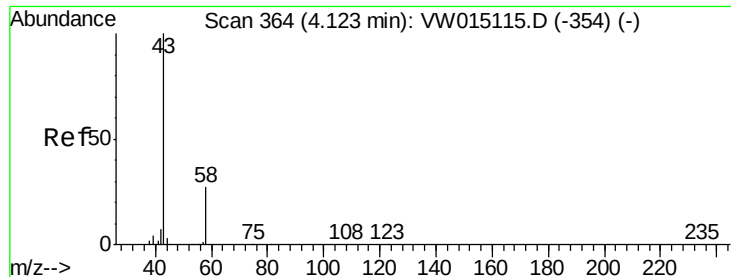


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.393 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampled :

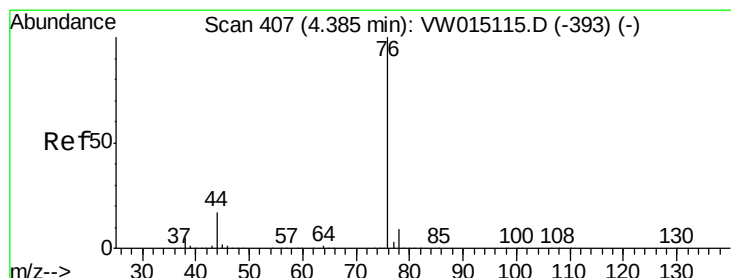
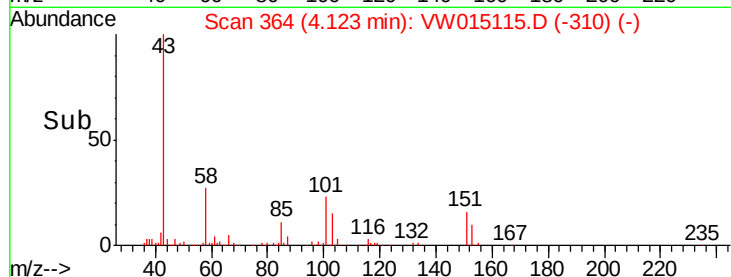
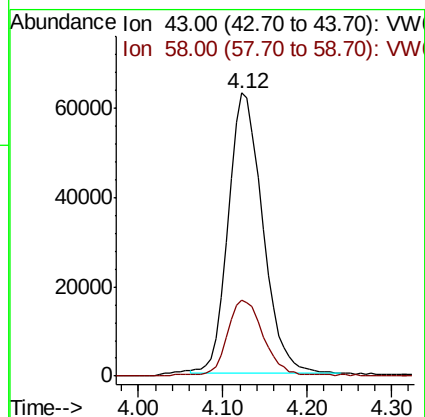
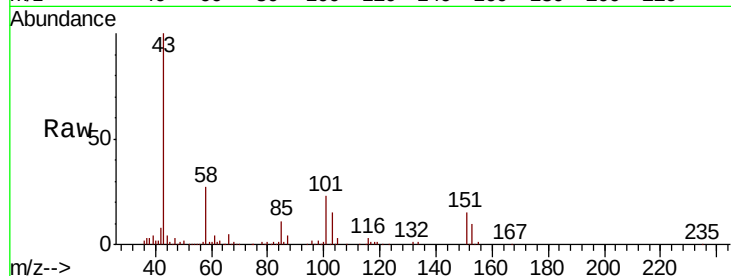
VSTD02514

Tot Ion: 43 Resp: 175359

Ion Ratio Lower Upper

43 100

58 27.8 0.0 54.0



#14

Carbon disulfide

Concen: 22.858 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015115.D

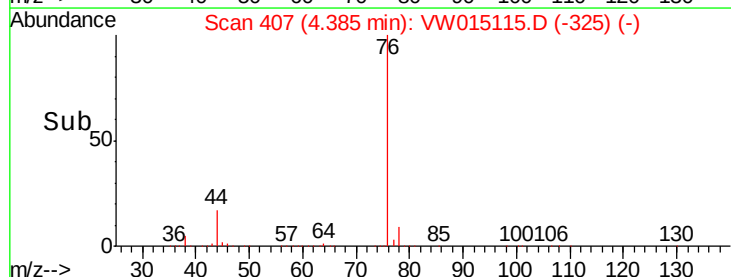
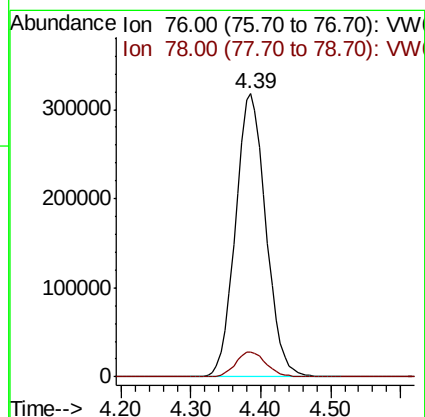
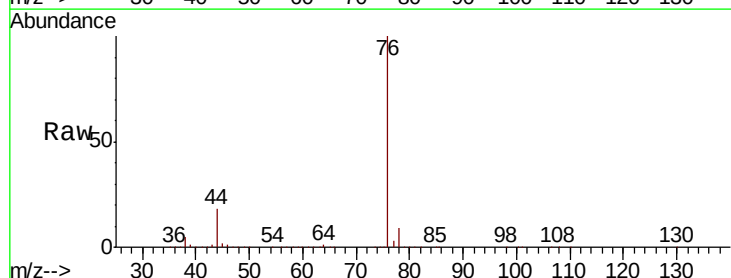
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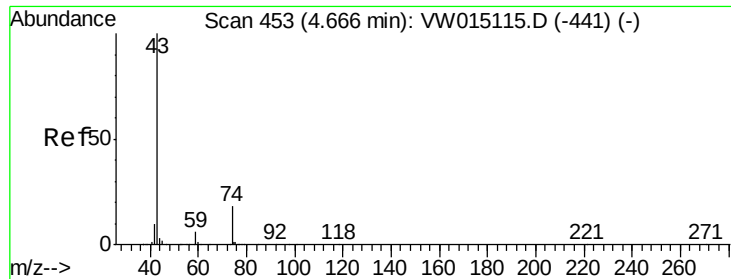
Tgt Ion: 76 Resp: 957174

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

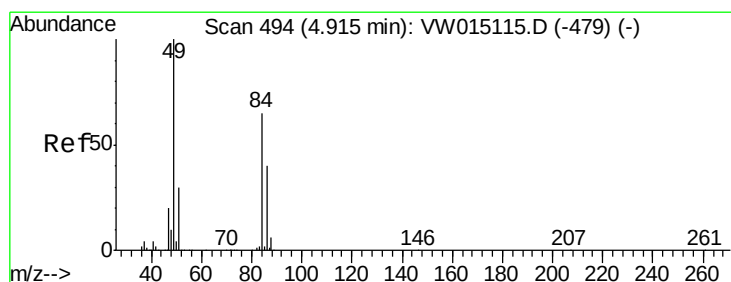
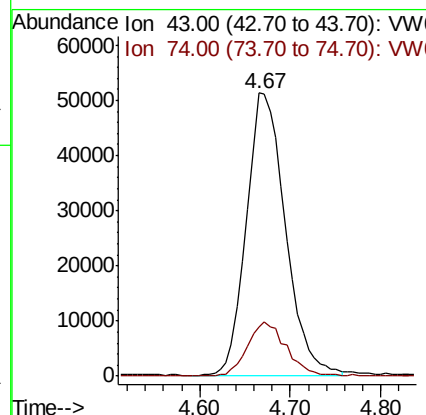
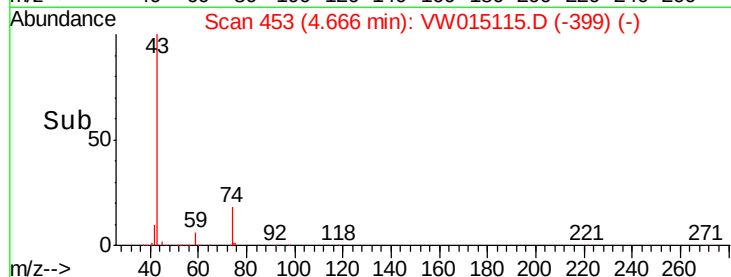
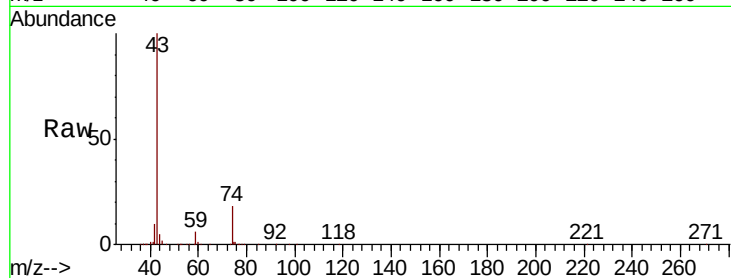




#15
Methyl Acetate
Concen: 24.439 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

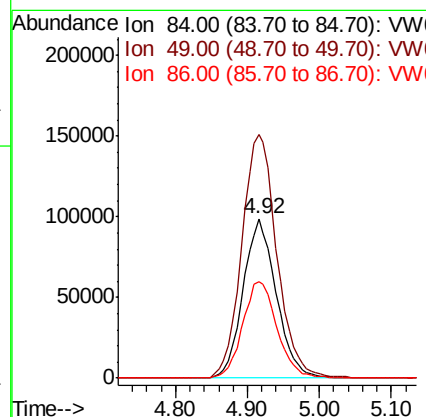
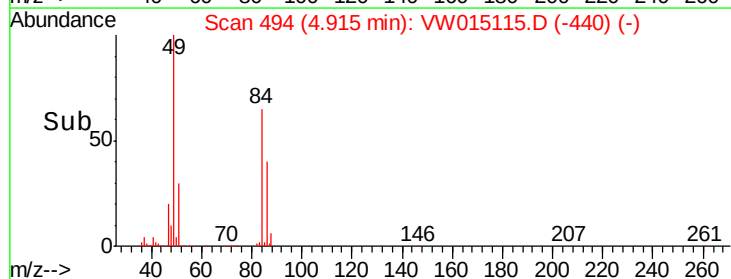
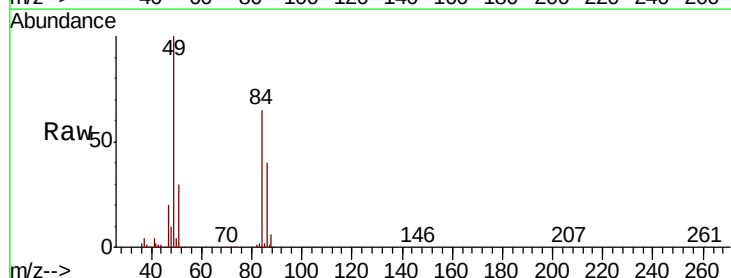
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

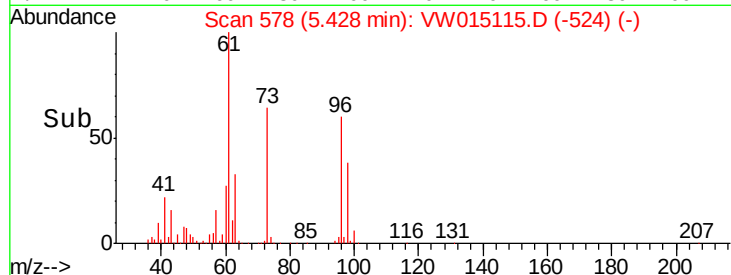
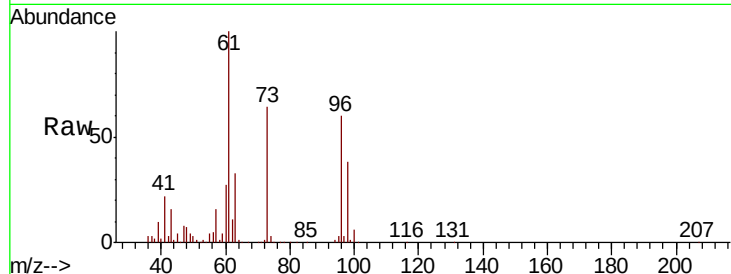
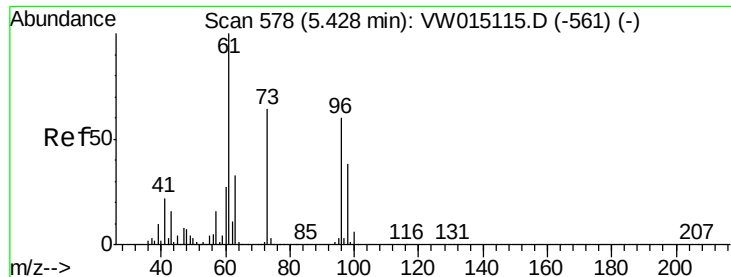
Tot Ion: 43 Resp: 152264
Ion Ratio Lower Upper
43 100
74 18.8 14.5 21.7



#16
Methylene chloride
Concen: 22.783 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 84 Resp: 315524
Ion Ratio Lower Upper
84 100
49 152.8 115.6 214.8
86 60.8 45.9 85.3

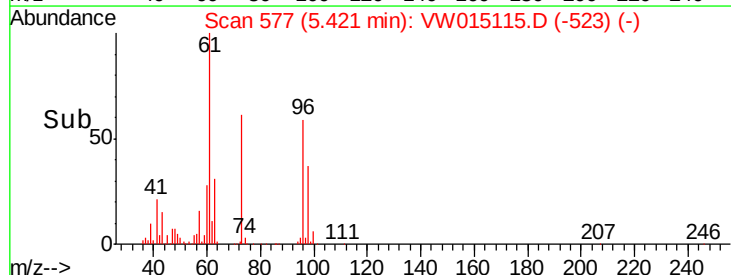
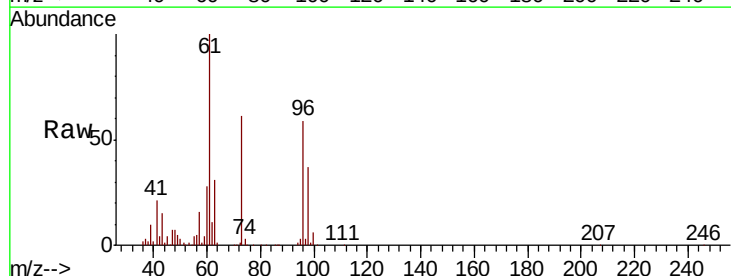
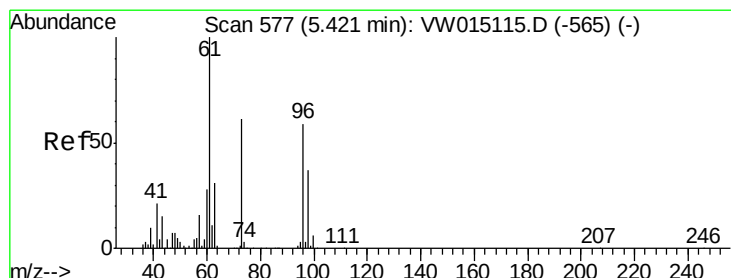
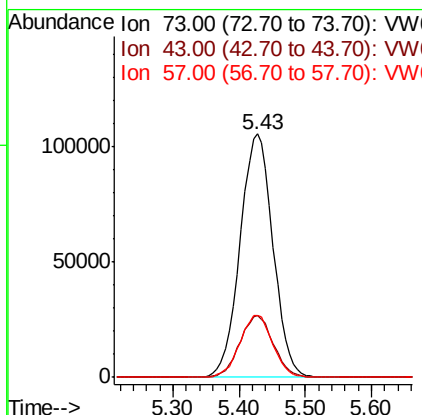




#17
Methyl tert-butyl Ether
Concen: 26.978 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

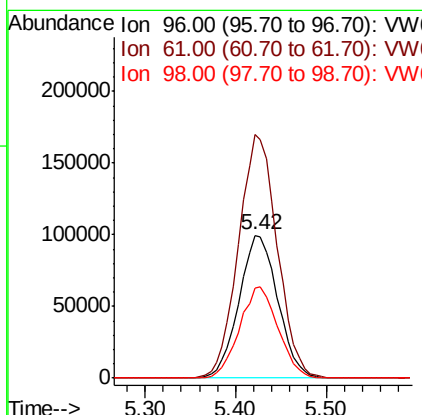
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

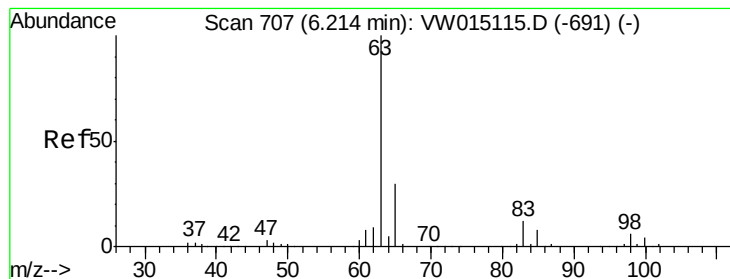
Tot Ion: 73 Resp: 365415
Ion Ratio Lower Upper
73 100
43 25.5 19.7 29.5
57 25.5 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 25.603 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 96 Resp: 296003
Ion Ratio Lower Upper
96 100
61 170.2 115.1 213.8
98 63.1 44.0 81.6





#19

1,1-Dichloroethane

Concen: 25.484 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

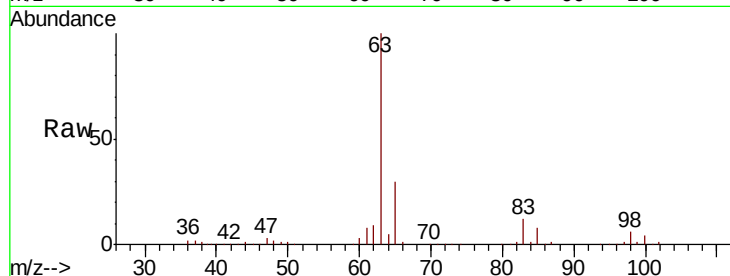
Tot Ion: 63 Resp: 657116

Ion Ratio Lower Upper

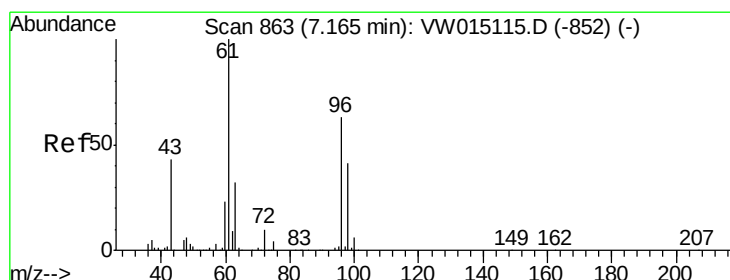
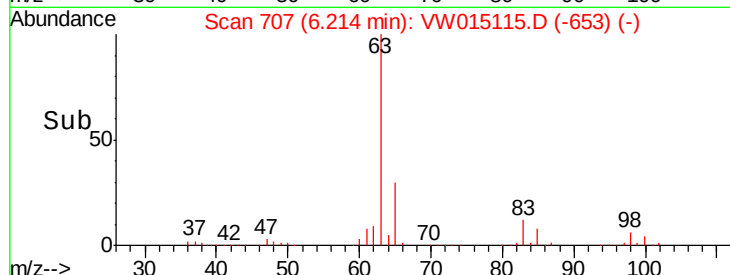
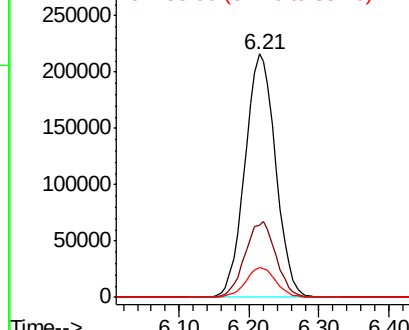
63 100

65 29.8 21.9 40.7

83 12.1 7.8 14.6



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: 49.136 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015115.D

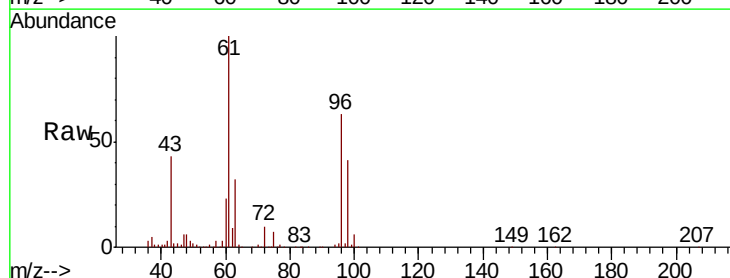
Acq: 12 Mar 2020 10:17

Tgt Ion: 43 Resp: 213789

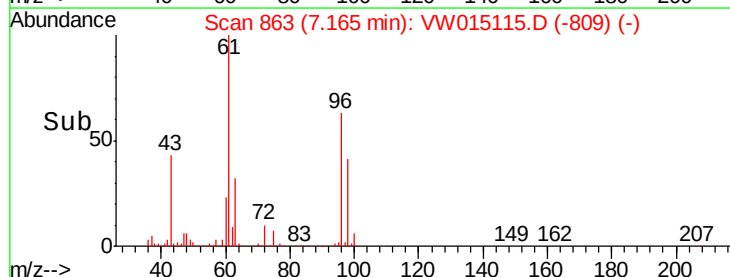
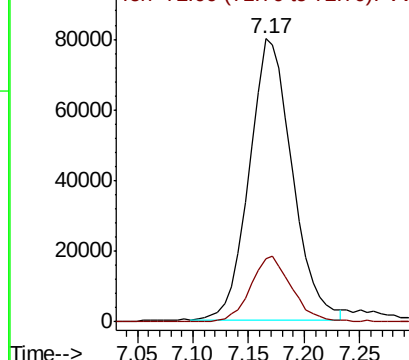
Ion Ratio Lower Upper

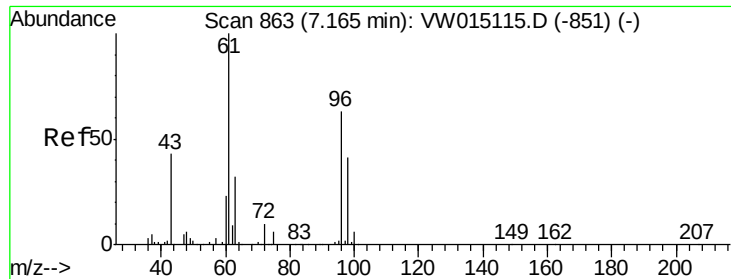
43 100

72 21.8 10.4 31.4



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



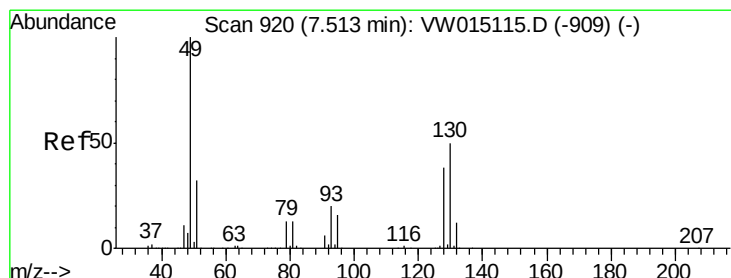
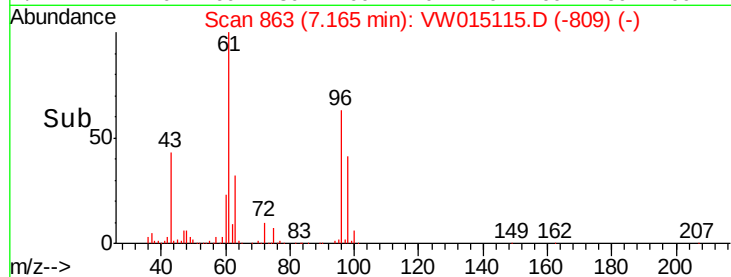
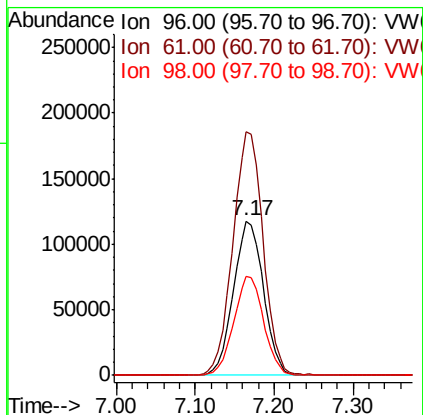
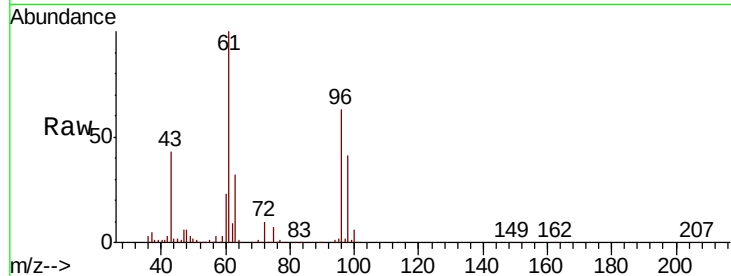


#22

cis-1,2-Dichloroethene
 Concen: 26.492 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

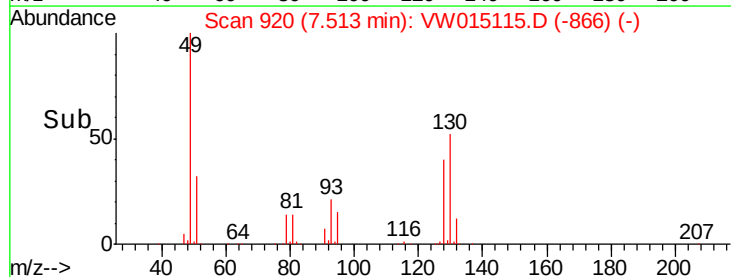
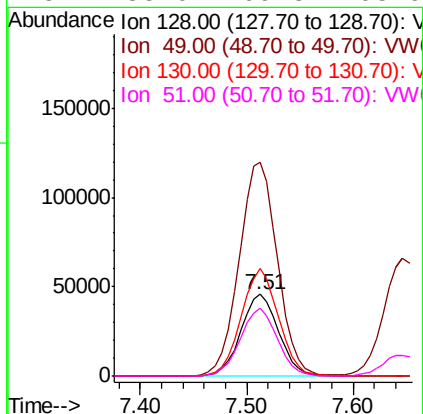
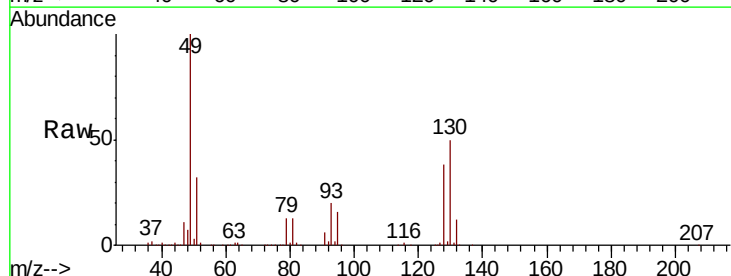
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	105.2	195.4
98	64.6	42.6	79.2

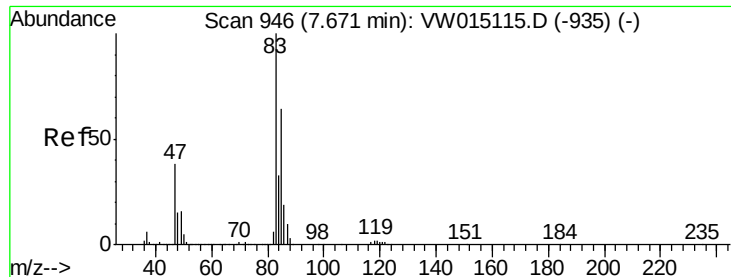


#23

Bromochloromethane
 Concen: 24.841 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	261.1	192.7	357.9
130	131.0	92.7	172.1
51	83.0	69.3	103.9

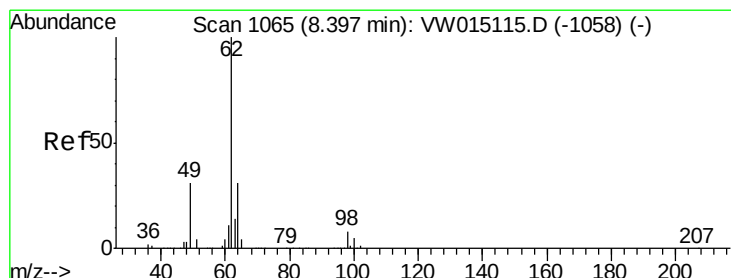
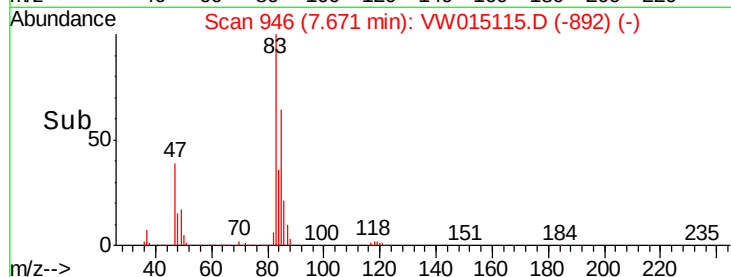
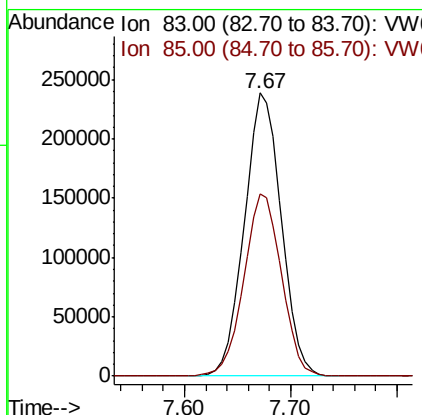
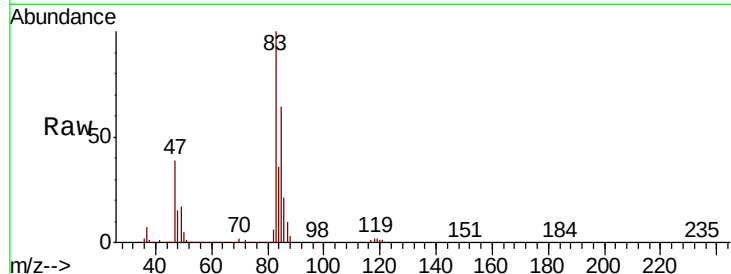




#25
Chloroform
Concen: 24.898 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

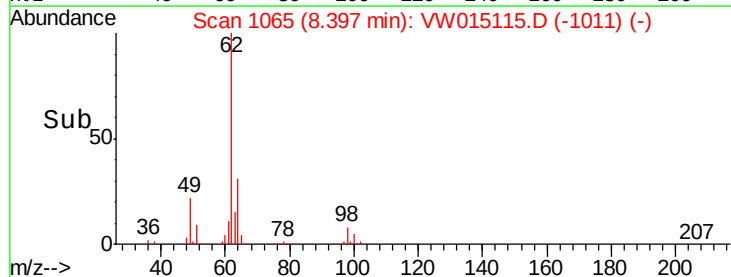
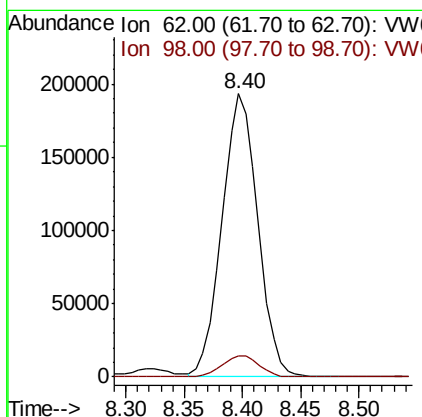
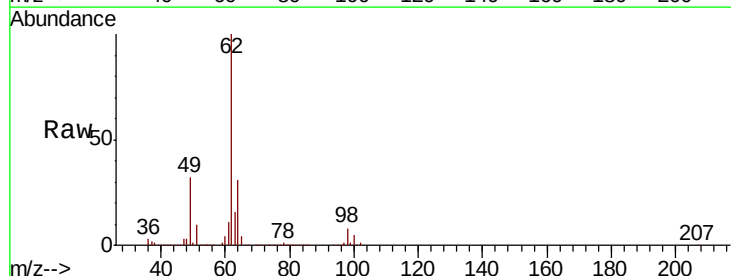
Instrument :
MSVOA_W
ClientSampleId :
VSTD02514

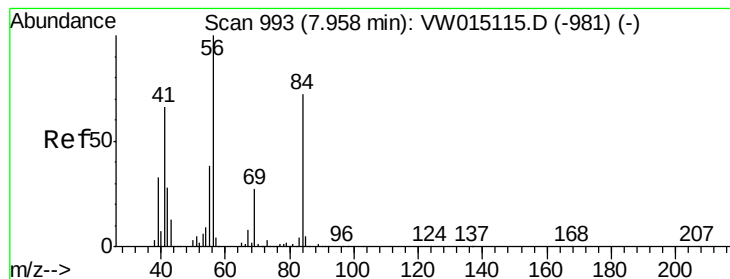
Tot Ion: 83 Resp: 582638
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 25.651 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 62 Resp: 410701
Ion Ratio Lower Upper
62 100
98 7.6 6.5 9.7





#30

Cyclohexane

Concen: 28.623 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

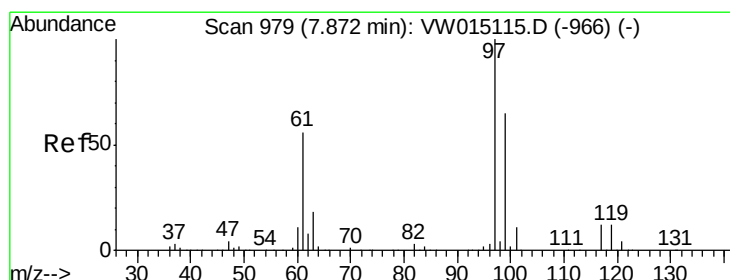
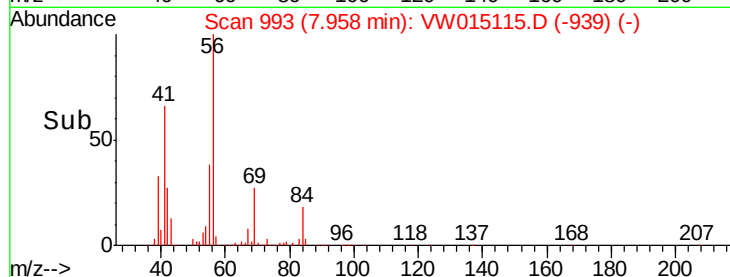
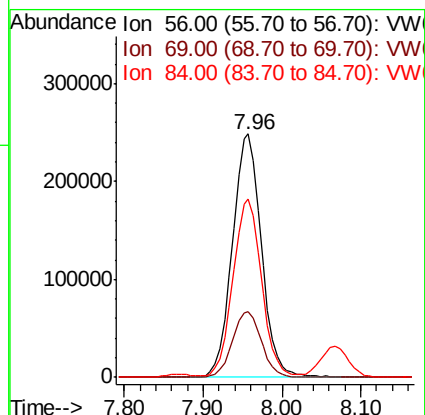
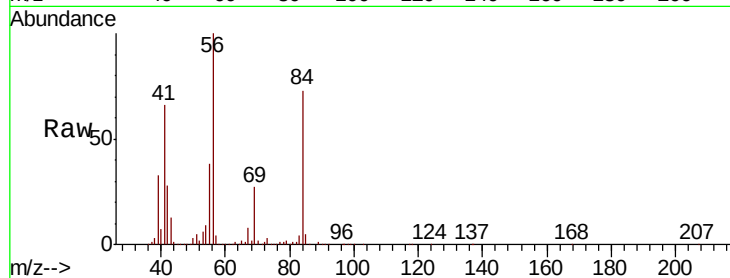
Tot Ion: 56 Resp: 635618

Ion Ratio Lower Upper

56 100

69 27.2 21.8 32.6

84 72.7 57.3 85.9



#31

1,1,1-Trichloroethane

Concen: 26.595 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

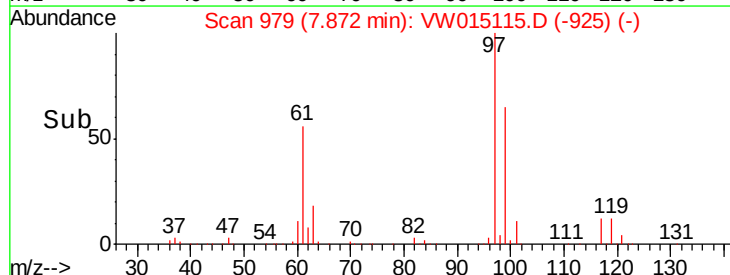
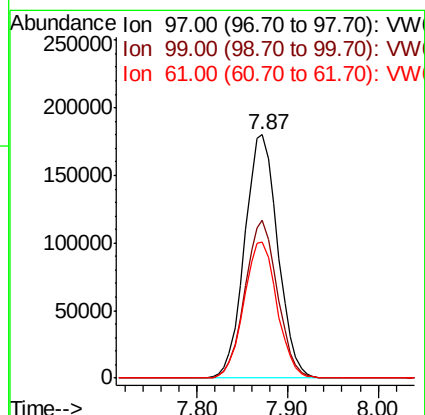
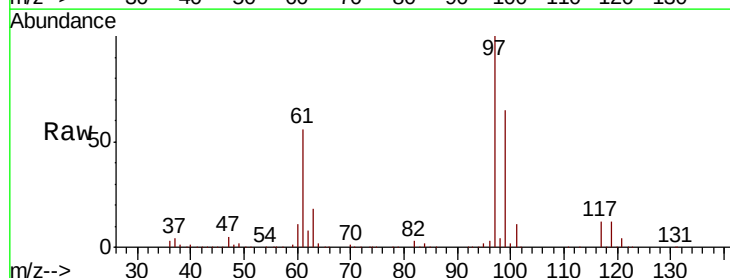
Tgt Ion: 97 Resp: 455555

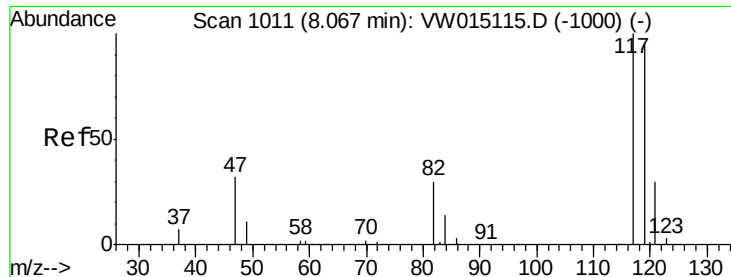
Ion Ratio Lower Upper

97 100

99 63.7 50.6 76.0

61 56.1 43.1 64.7





#32

Carbon tetrachloride

Concen: 26.234 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

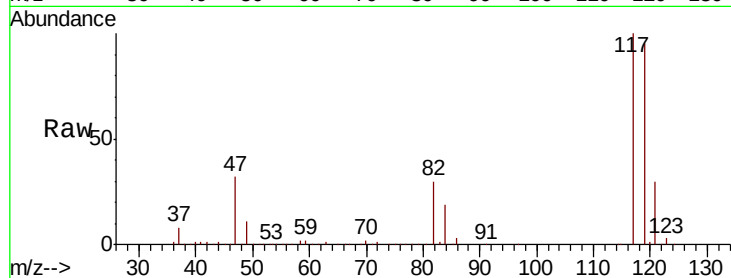
VSTD02514

Tot Ion:117 Resp: 402680

Ion Ratio Lower Upper

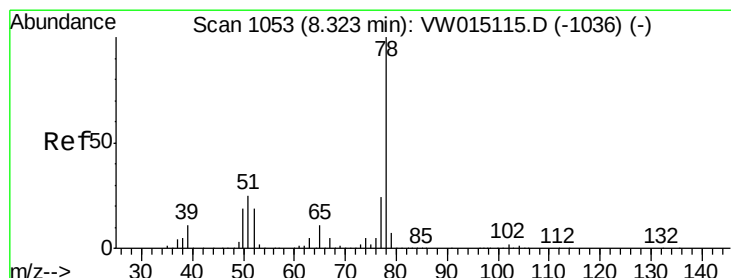
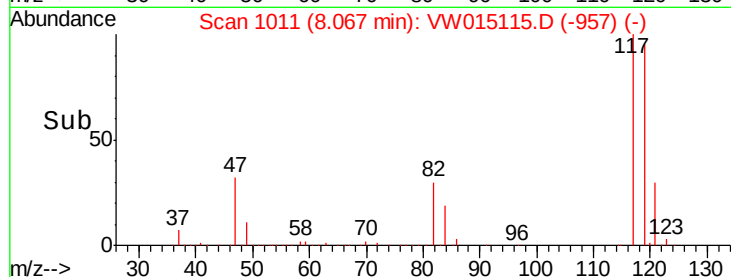
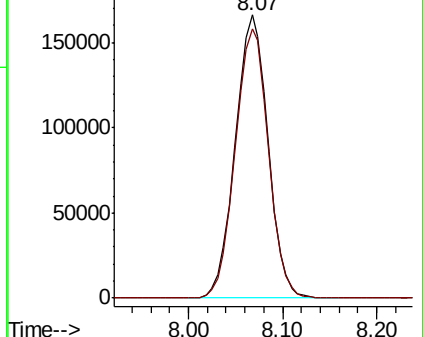
117 100

119 96.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.404 ug/L

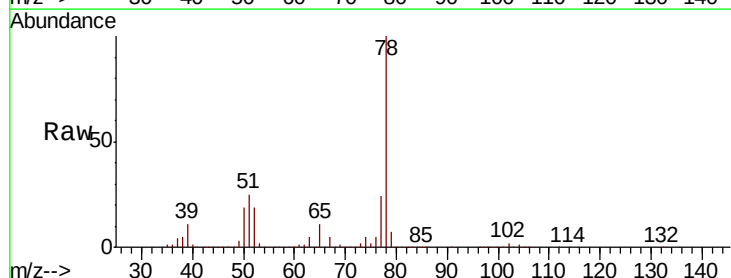
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

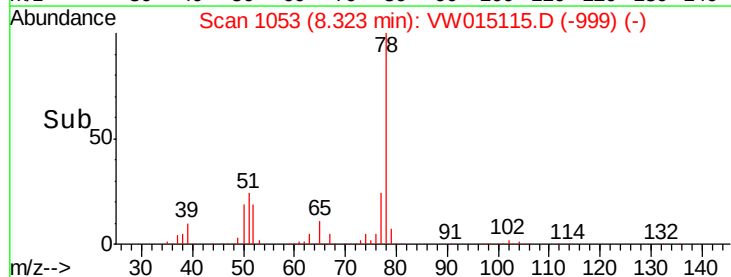
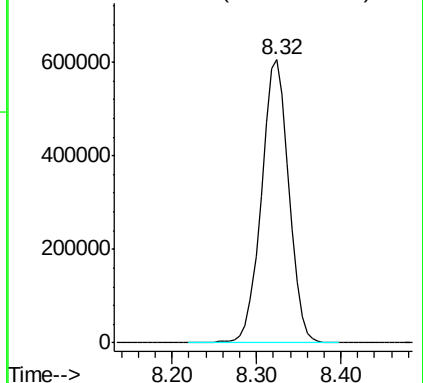
Lab File: VW015115.D

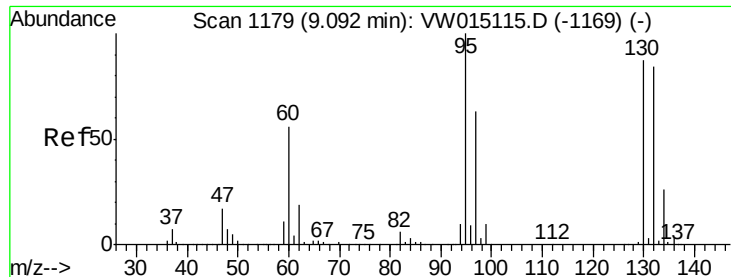
Acq: 12 Mar 2020 10:17

Tgt Ion: 78 Resp: 1353978



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.611 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

Tot Ion: 95 Resp: 318045

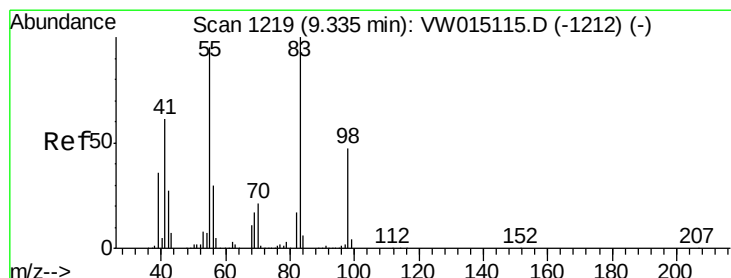
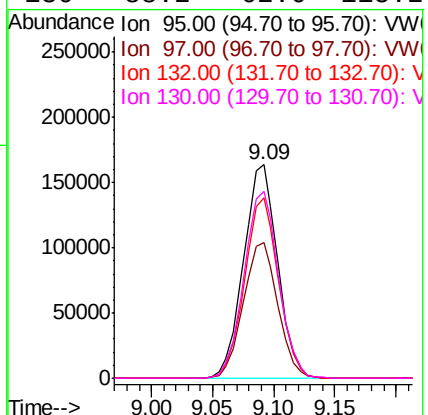
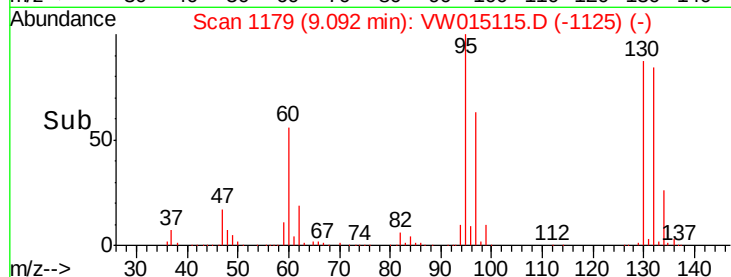
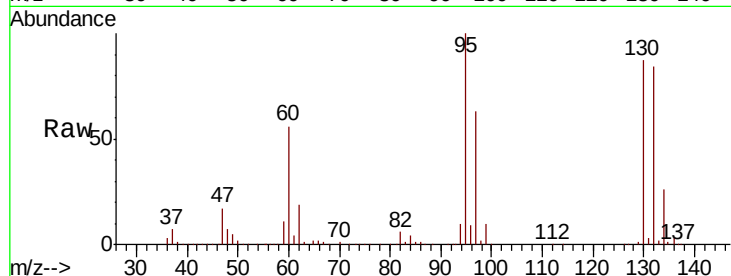
Ion Ratio Lower Upper

95 100

97 64.1 44.7 83.1

132 83.9 58.1 107.9

130 88.2 62.0 115.2



#36

Methylcyclohexane

Concen: 29.346 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

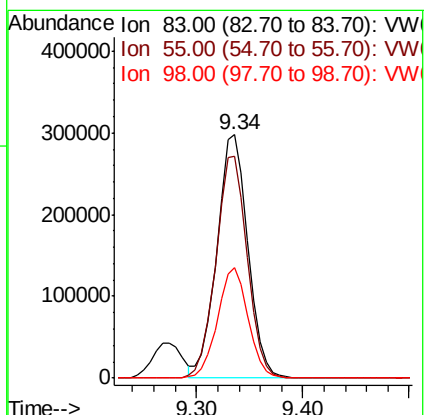
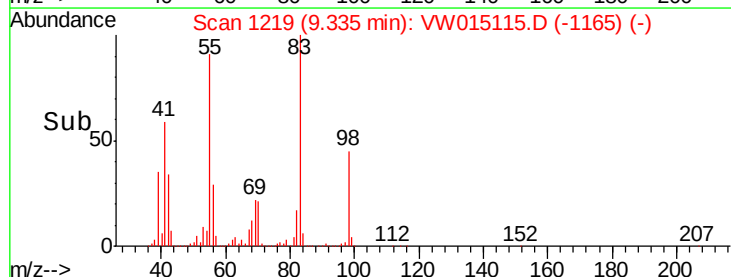
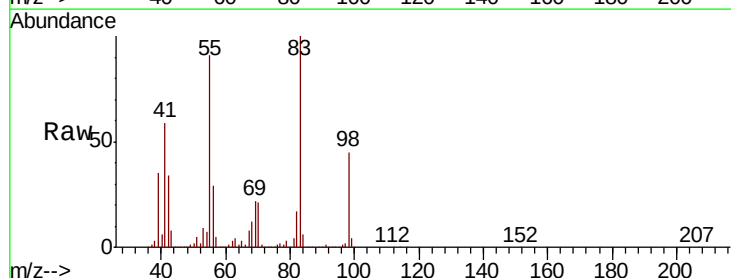
Tgt Ion: 83 Resp: 602259

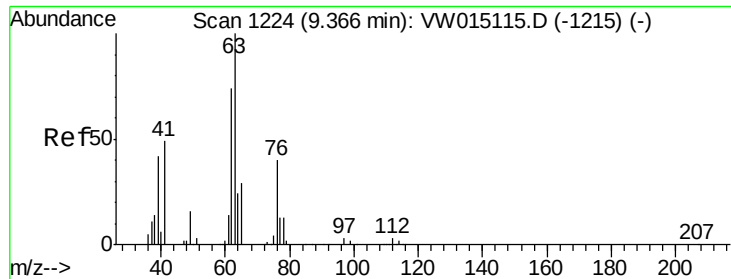
Ion Ratio Lower Upper

83 100

55 92.1 76.6 115.0

98 44.7 36.6 54.8





#40

1,2-Dichloropropane

Concen: 26.521 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

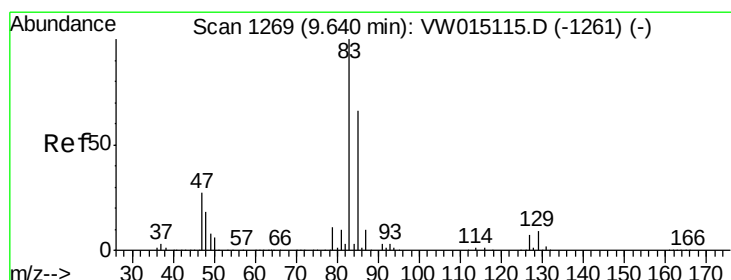
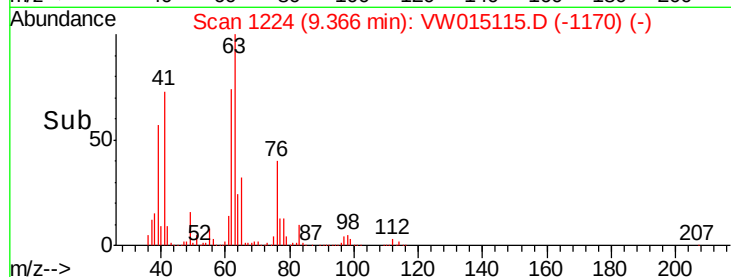
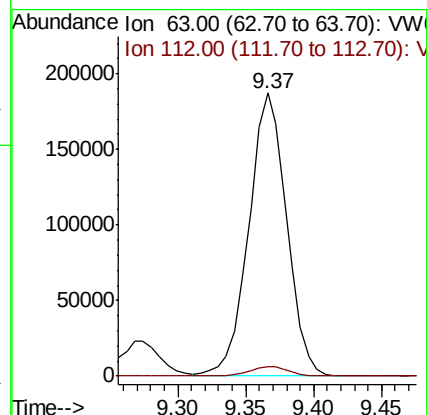
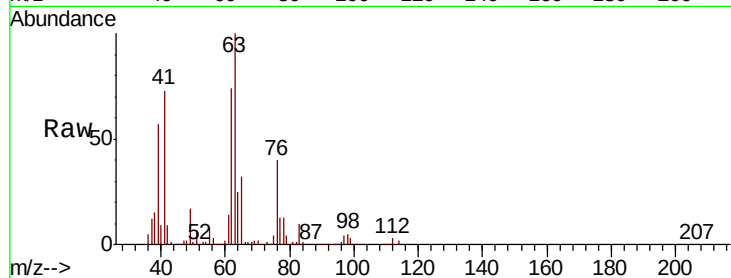
VSTD02514

Tot Ion: 63 Resp: 363929

Ion Ratio Lower Upper

63 100

112 3.6 2.8 4.2



#41

Bromodichloromethane

Concen: 26.642 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

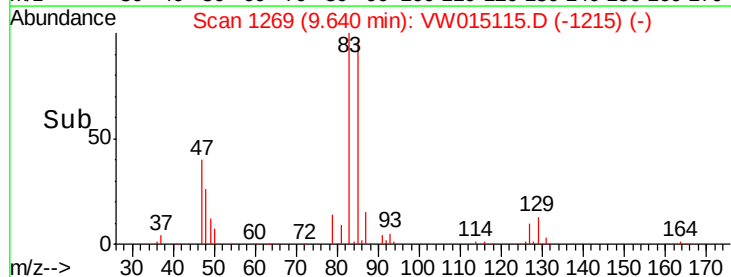
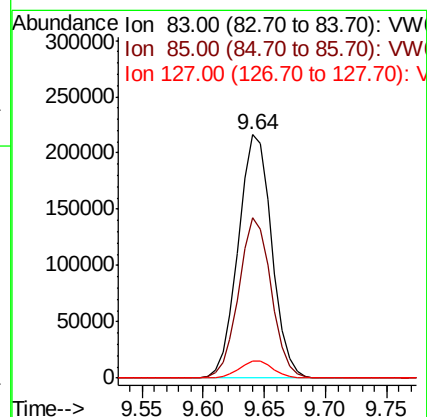
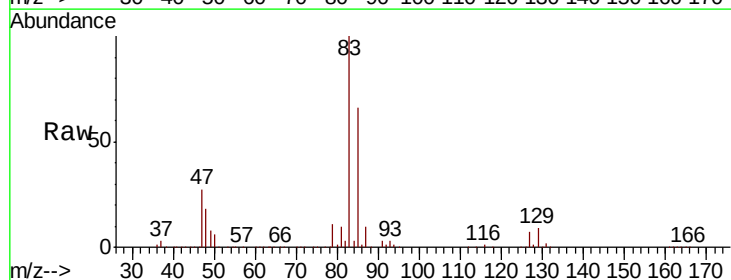
Tgt Ion: 83 Resp: 410090

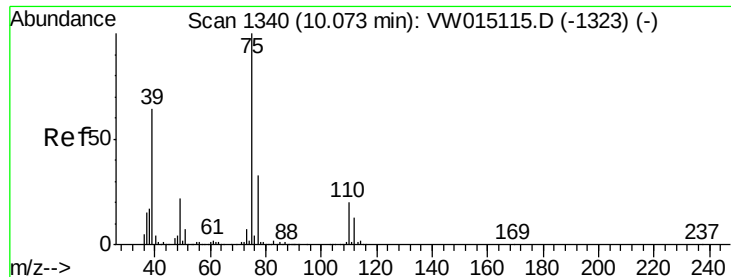
Ion Ratio Lower Upper

83 100

85 65.8 44.7 83.1

127 7.1 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 28.873 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

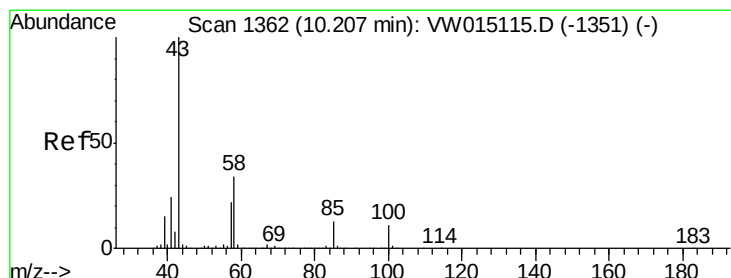
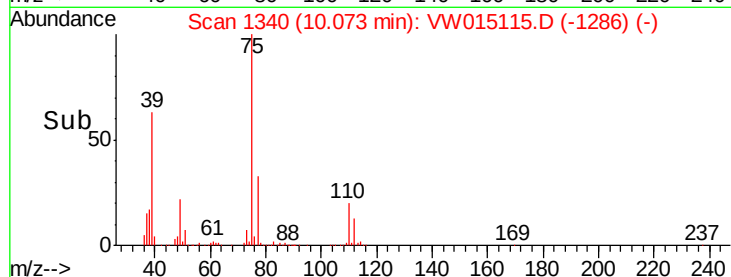
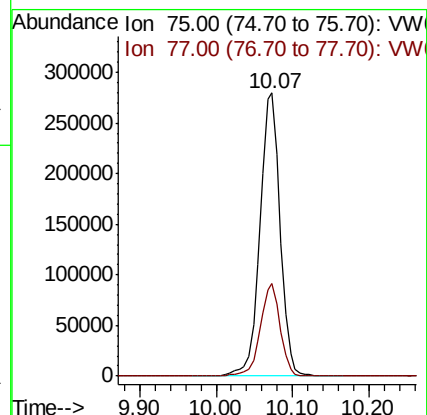
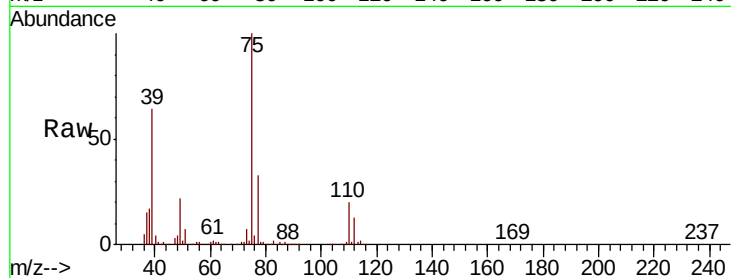
VSTD02514

Tot Ion: 75 Resp: 516283

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 58.144 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

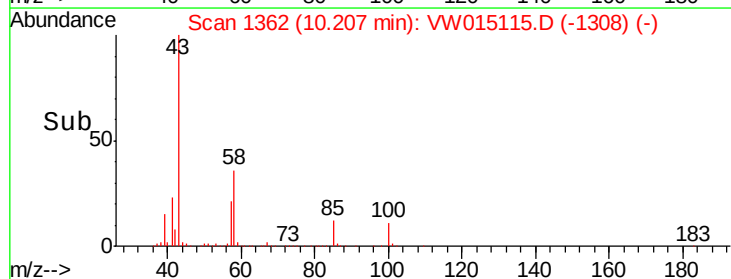
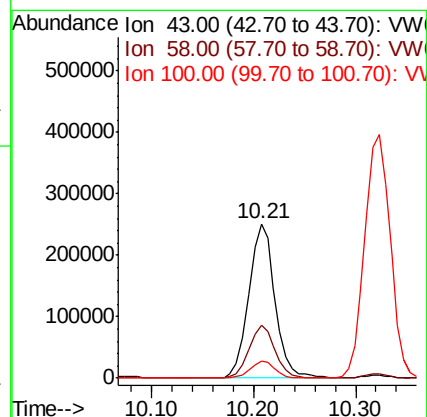
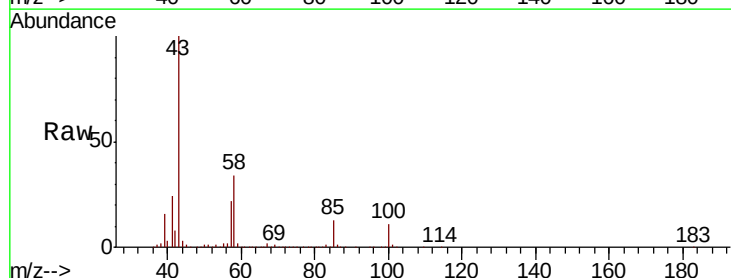
Tgt Ion: 43 Resp: 446258

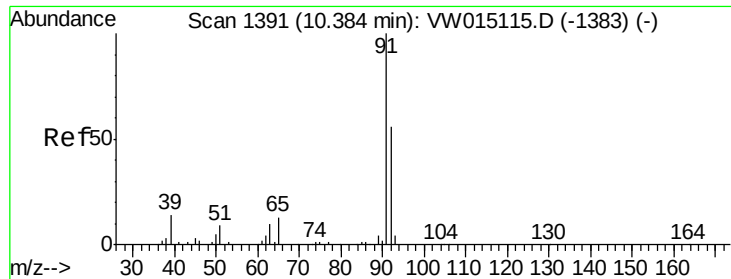
Ion Ratio Lower Upper

43 100

58 33.9 27.6 41.4

100 10.6 8.6 13.0





#44

Toluene

Concen: 28.744 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

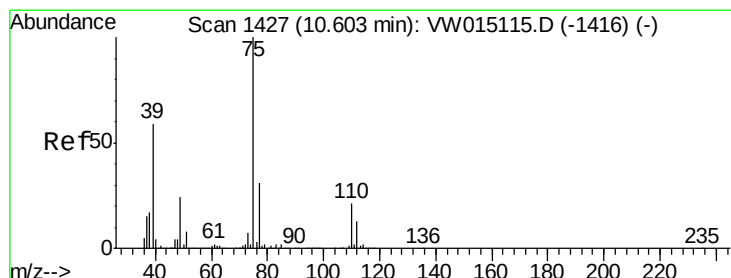
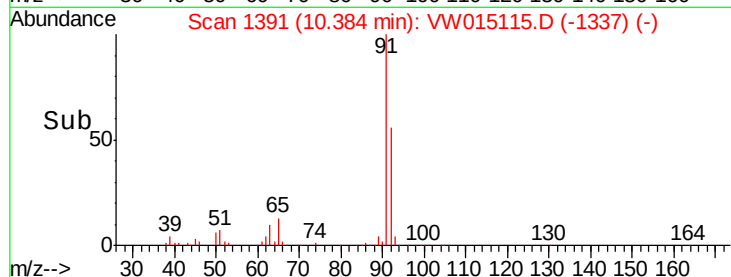
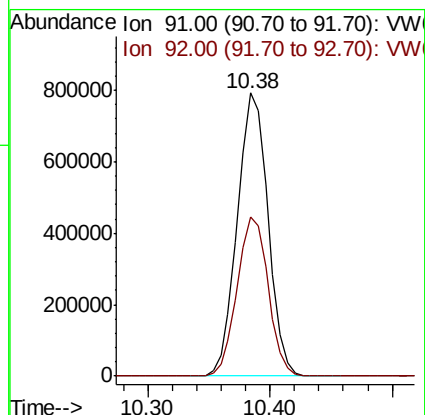
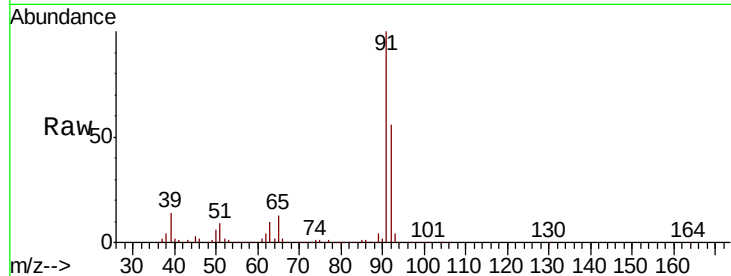
VSTD02514

Tot Ion: 91 Resp: 1379265

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 28.319 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015115.D

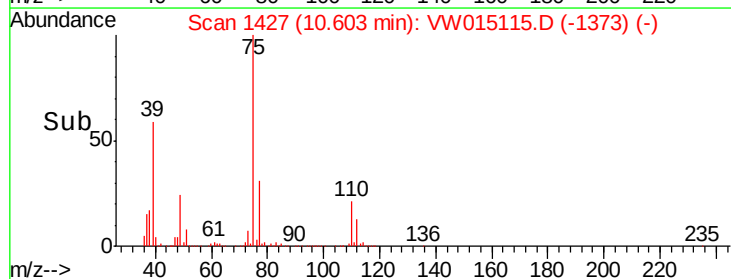
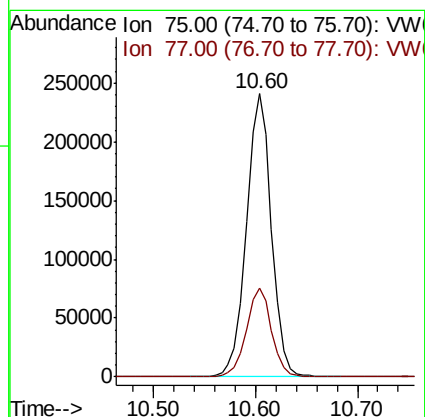
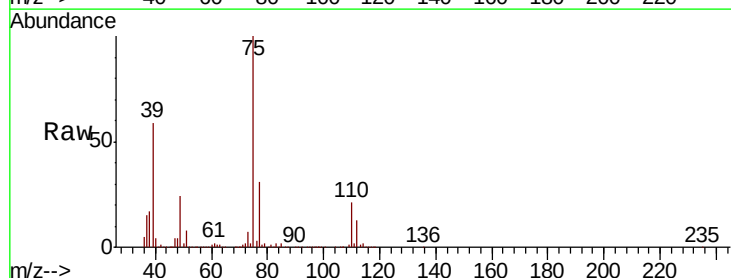
Acq: 12 Mar 2020 10:17

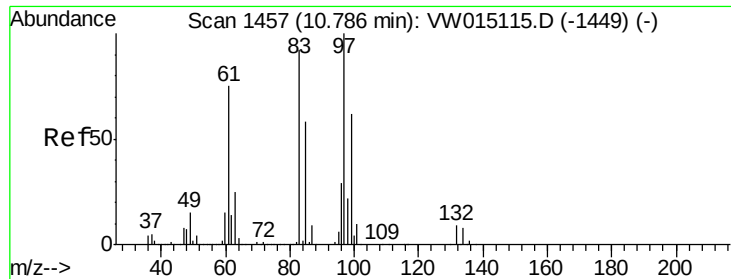
Tgt Ion: 75 Resp: 409267

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 26.570 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

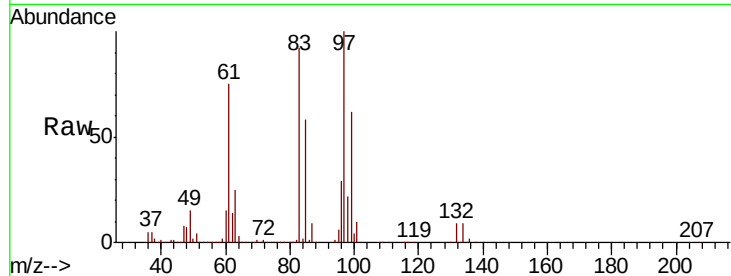
MSVOA_W

ClientSampleId :

VSTD02514

Tot Ion: 97 Resp: 205169

Ion	Ratio	Lower	Upper
97	100		
83	92.0	64.4	119.6
85	57.9	40.9	75.9
99	62.0	44.1	81.9



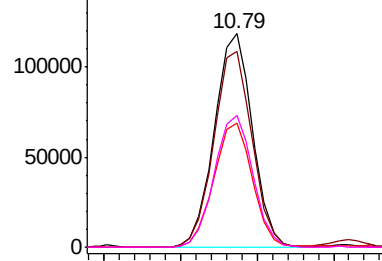
Abundance

Ion 97.00 (96.70 to 97.70): VW

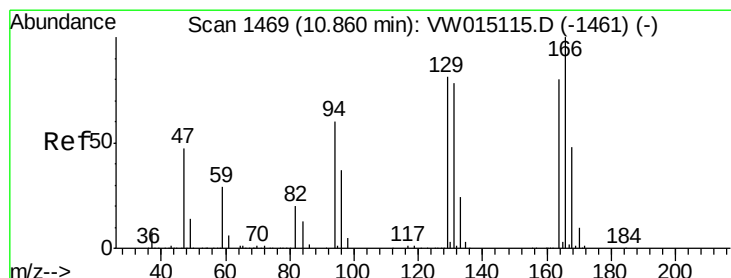
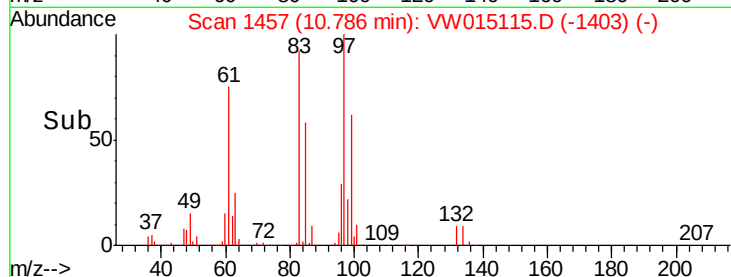
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 26.790 ug/L

RT: 10.86 min Scan# 1469

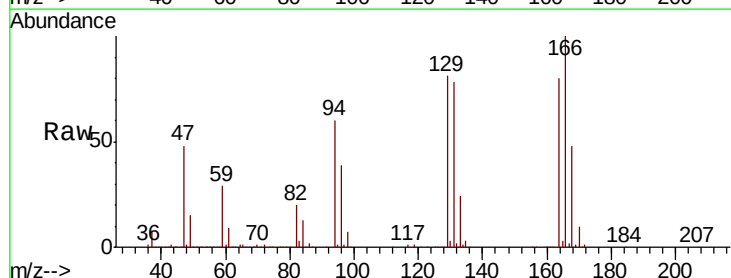
Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Tgt Ion: 164 Resp: 206355

Ion	Ratio	Lower	Upper
164	100		
129	100.4	71.7	133.1
131	96.8	70.1	130.3
166	124.3	91.3	169.6



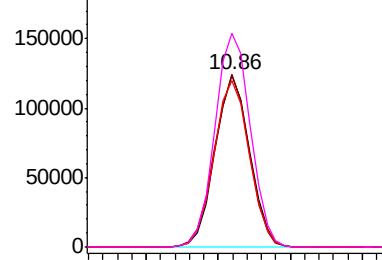
Abundance

Ion 164.00 (163.70 to 164.70): V

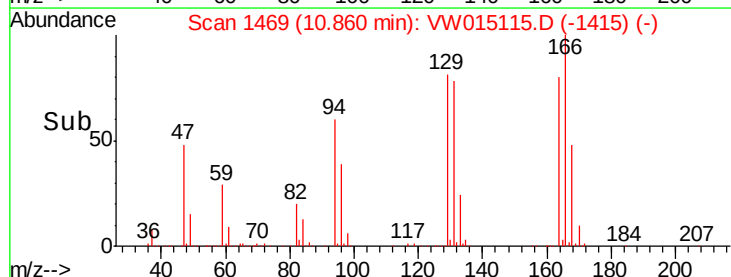
Ion 129.00 (128.70 to 129.70): V

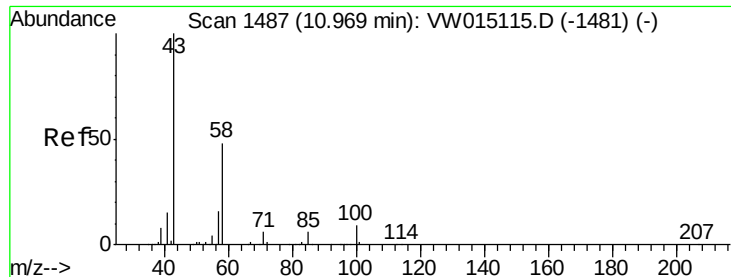
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->





#49

2-Hexanone

Concen: 56.673 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

Tot Ion: 43 Resp: 315339

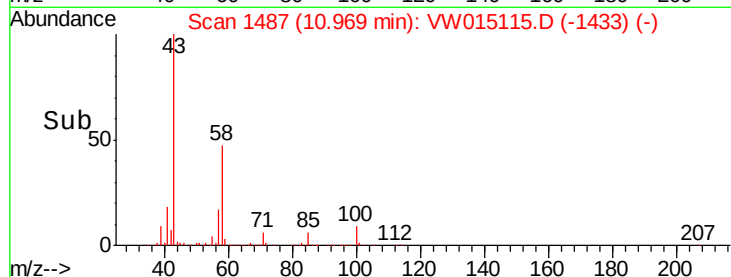
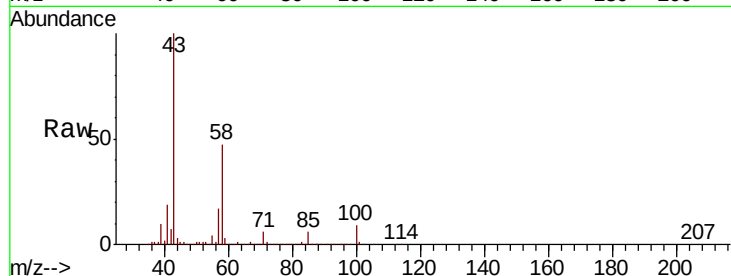
Ion Ratio Lower Upper

43 100

58 47.6 38.9 58.3

57 16.8 13.4 20.2

100 8.6 6.7 10.1

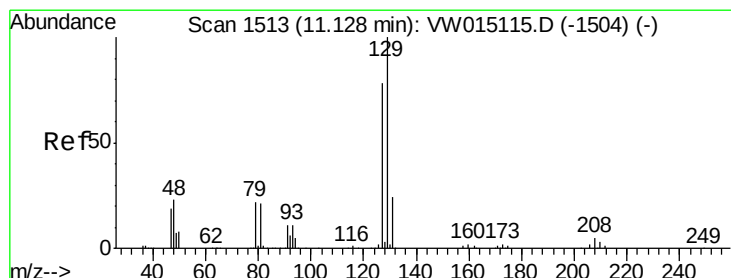
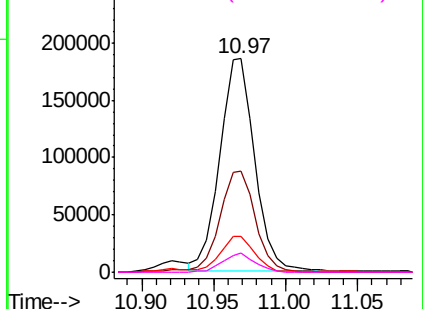


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.783 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015115.D

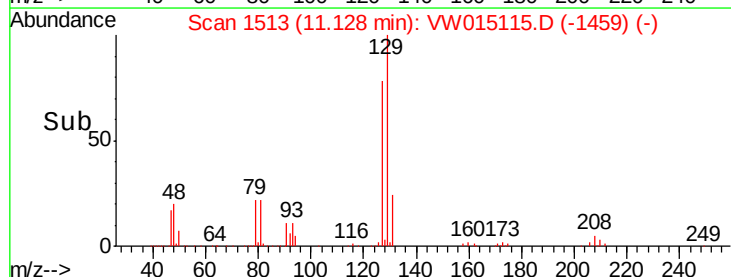
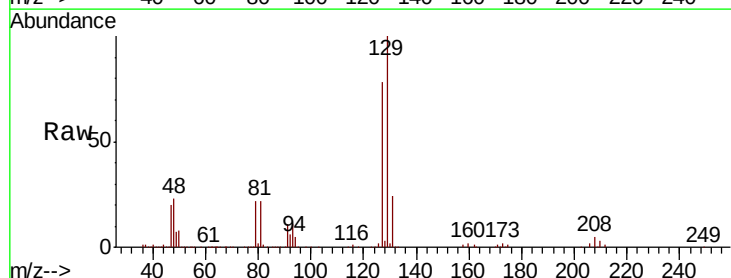
Acq: 12 Mar 2020 10:17

Tgt Ion: 129 Resp: 220101

Ion Ratio Lower Upper

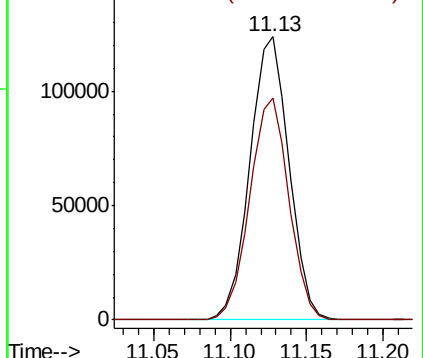
129 100

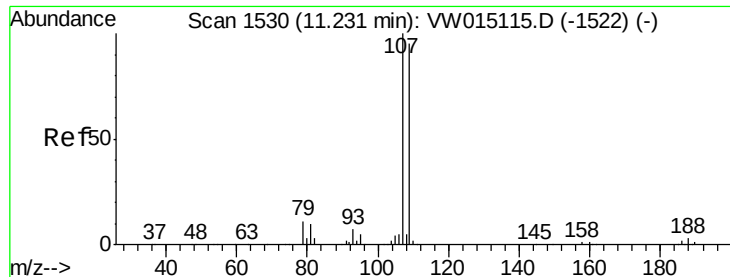
127 78.3 56.4 104.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

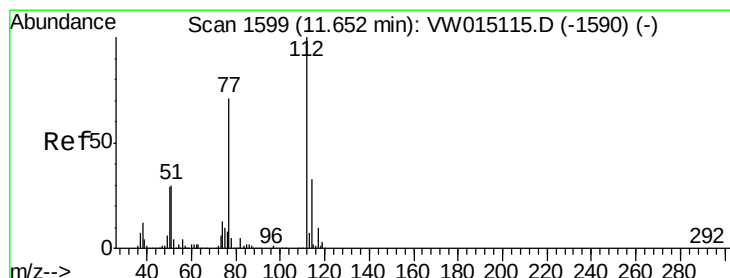
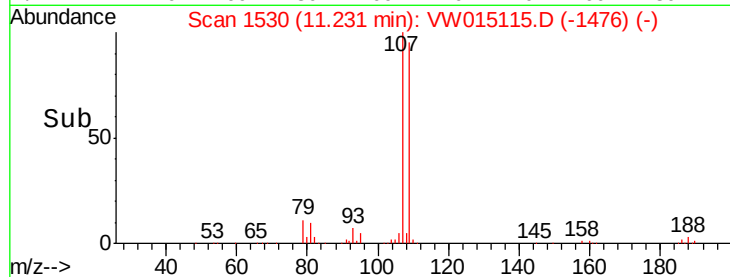
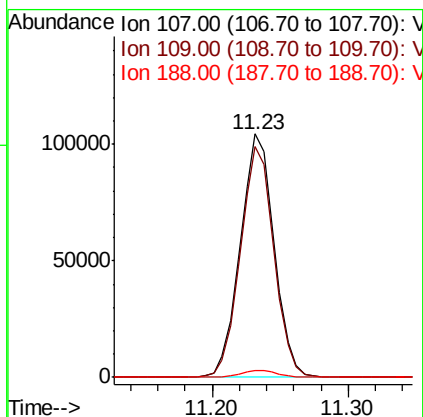
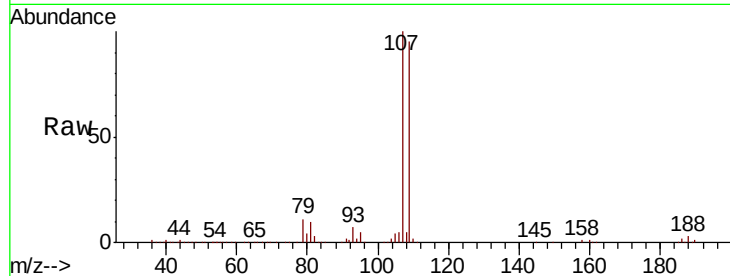




#51
 1,2-Dibromoethane
 Concen: 26.981 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

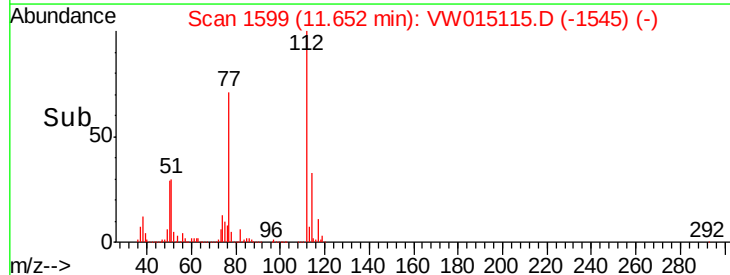
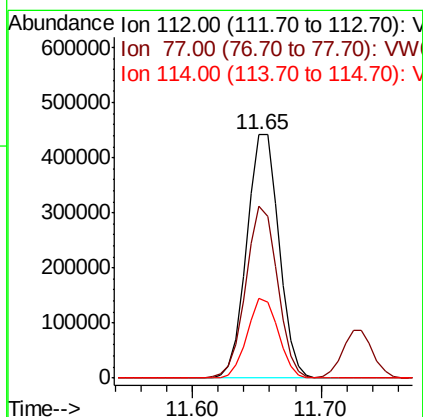
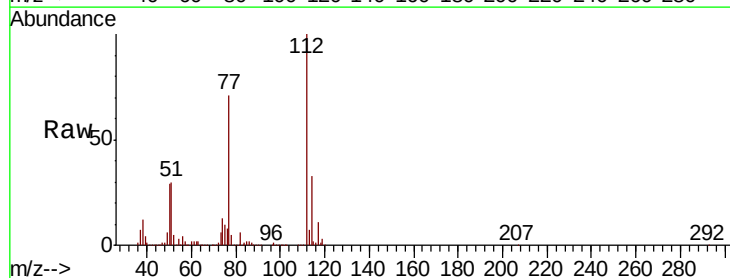
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02514

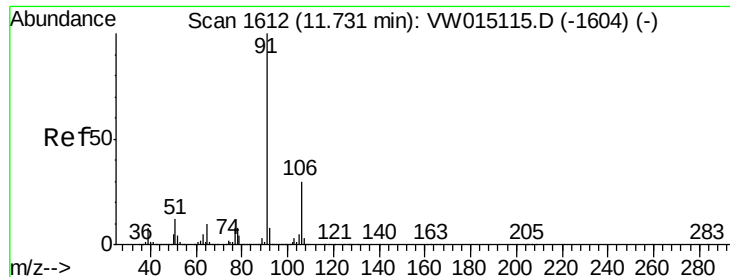
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	61.9	114.9
188	2.6	2.5	3.7



#52
 Chlorobenzene
 Concen: 27.005 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
112	100		
77	70.8	57.0	85.6
114	32.8	22.5	41.9

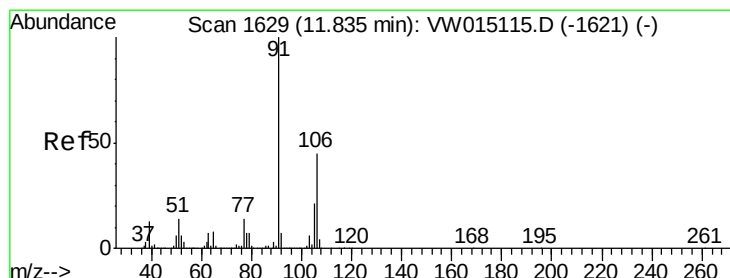
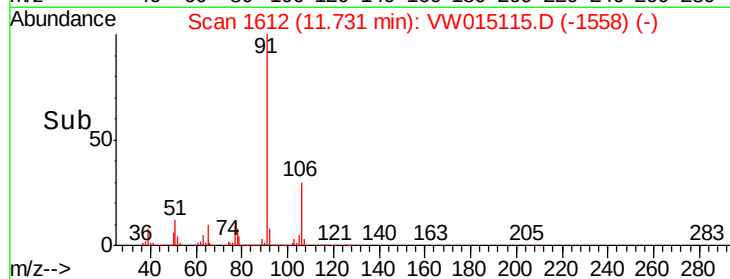
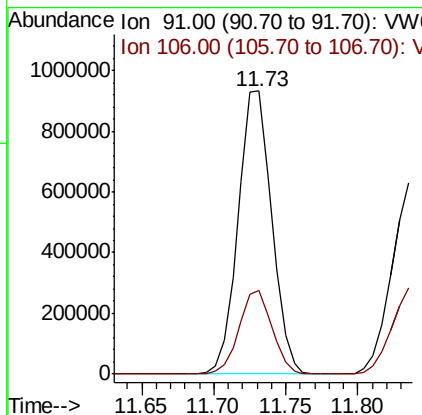
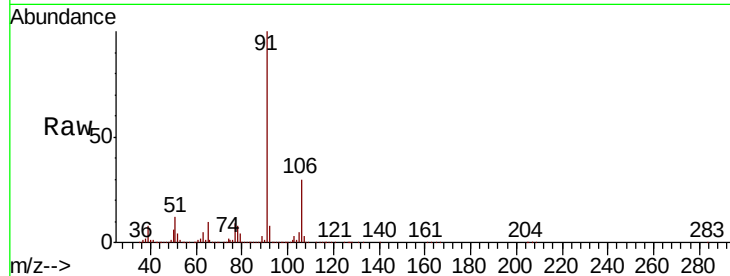




#53
Ethylbenzene
Concen: 28.837 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

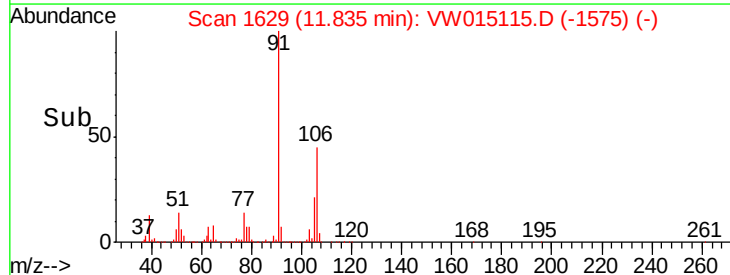
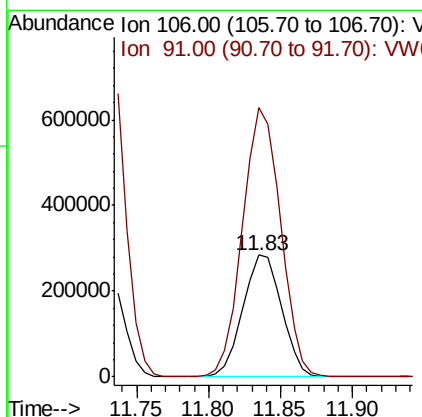
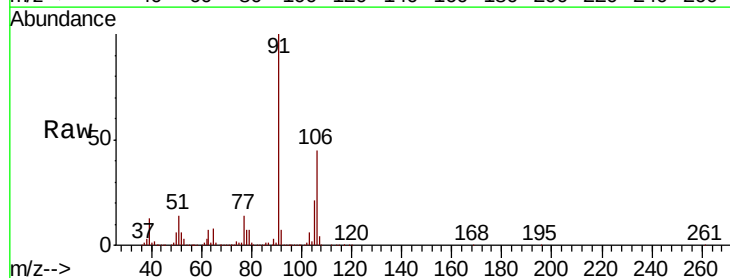
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

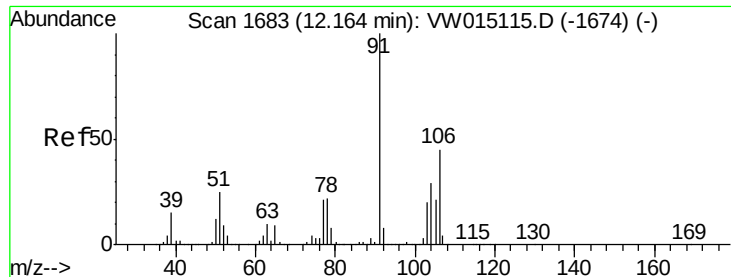
Tot Ion: 91 Resp: 1511602
Ion Ratio Lower Upper
91 100
106 29.7 20.1 37.3



#54
m,p-Xylene
Concen: 29.025 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 106 Resp: 532307
Ion Ratio Lower Upper
106 100
91 221.6 151.4 281.2

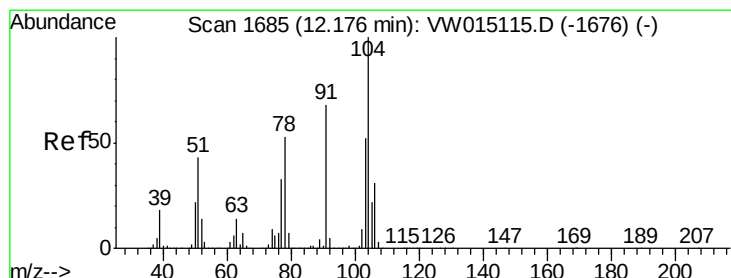
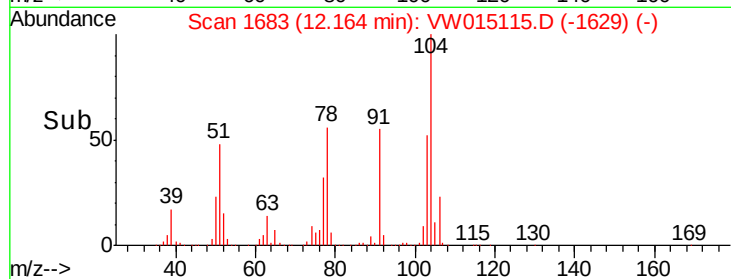
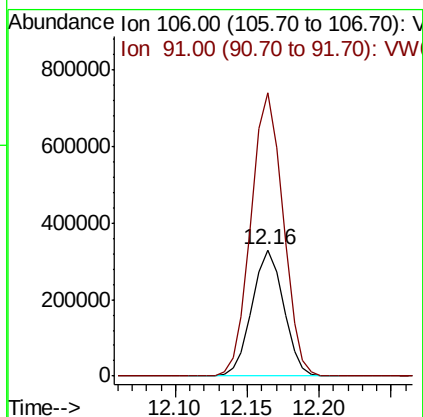
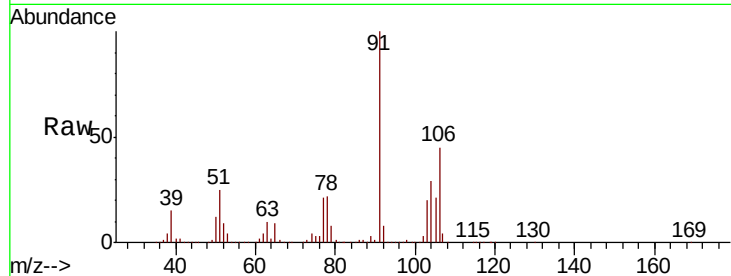




#55
o-xylene
Concen: 29.450 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

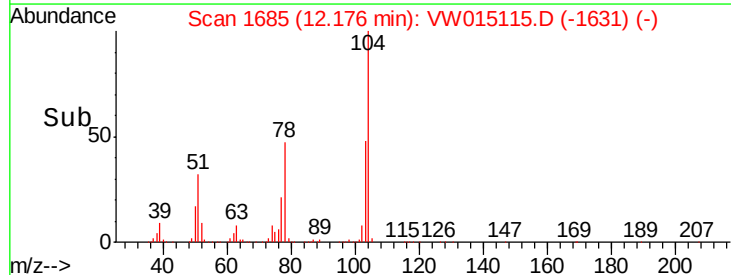
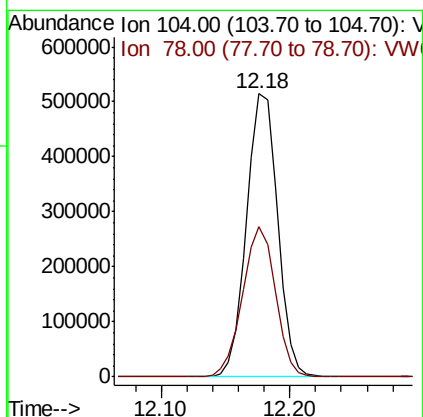
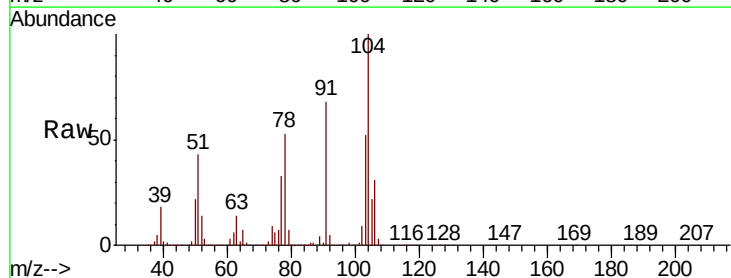
Instrument :
MSVOA_W
ClientSampled :
VSTD02514

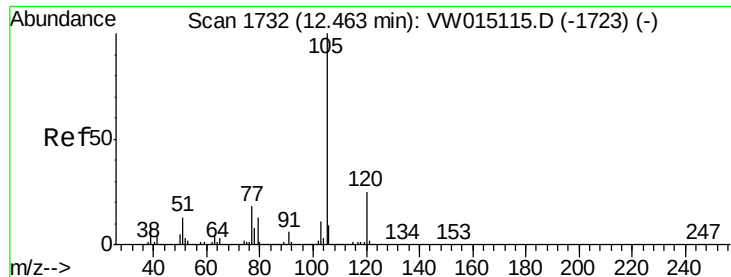
Tot Ion:106 Resp: 503255
Ion Ratio Lower Upper
106 100
91 223.6 162.5 301.9



#56
Styrene
Concen: 29.322 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015115.D
Acq: 12 Mar 2020 10:17

Tgt Ion:104 Resp: 858210
Ion Ratio Lower Upper
104 100
78 53.0 35.6 66.0





#57

Isopropylbenzene

Concen: 29.890 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampled :

VSTD02514

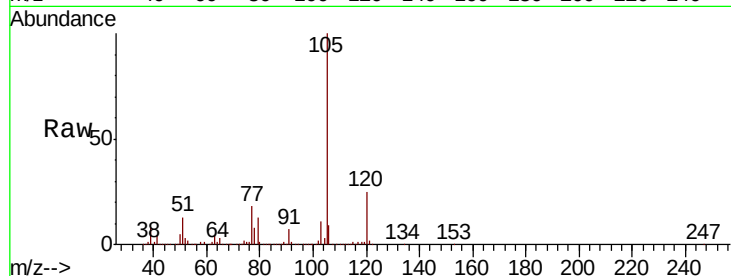
Tot Ion:105 Resp: 1391026

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

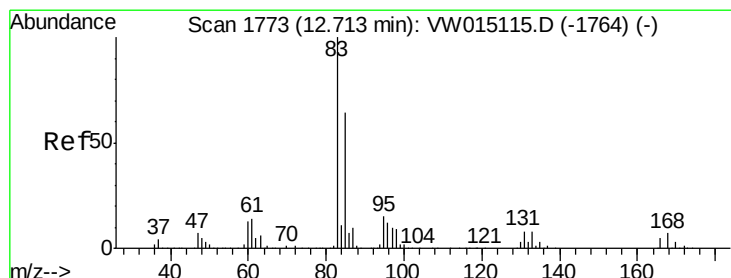
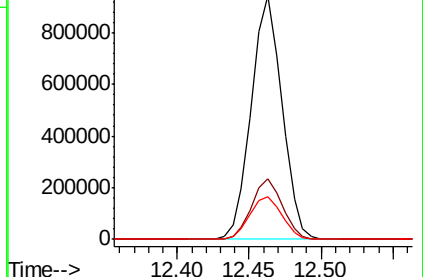
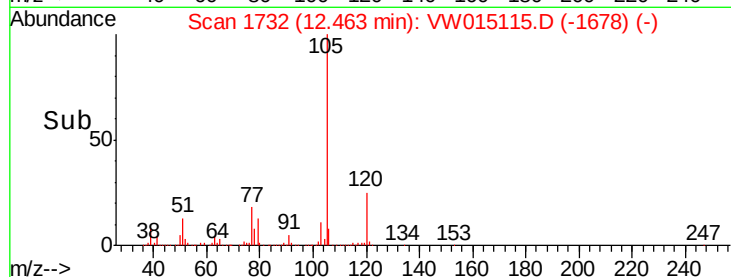
77 18.3 14.4 21.6



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: 26.440 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

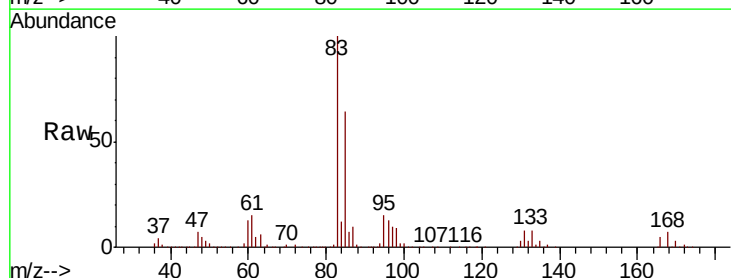
Tgt Ion: 83 Resp: 257605

Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0

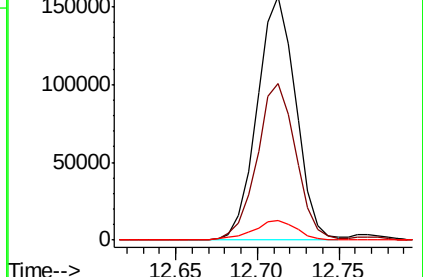
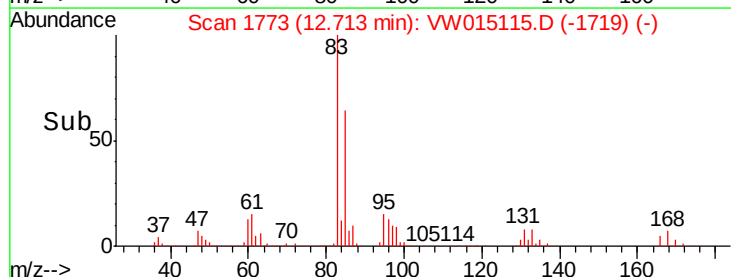
131 8.2 6.3 9.5

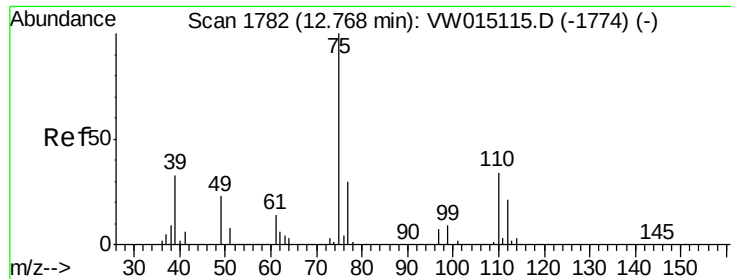


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.870 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

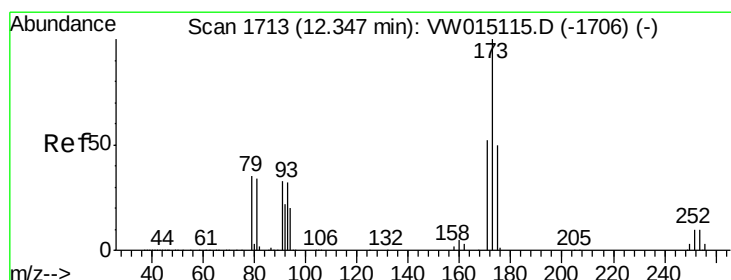
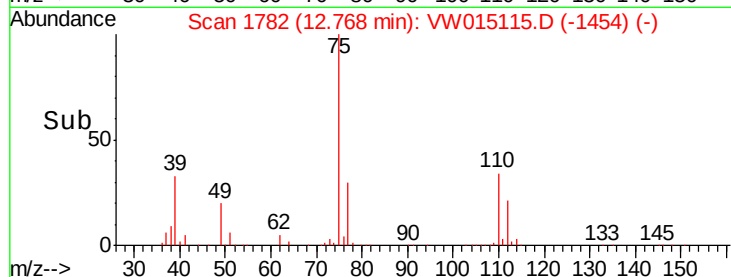
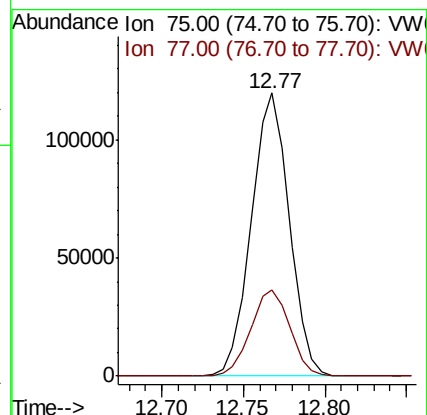
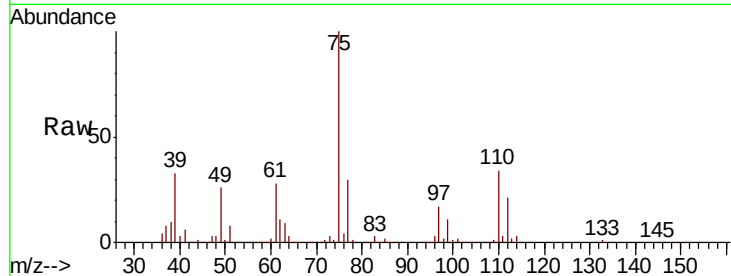
VSTD02514

Tot Ion: 75 Resp: 193727

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#62

Bromoform

Concen: 25.411 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

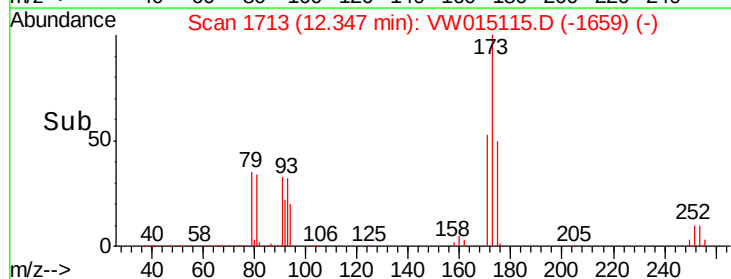
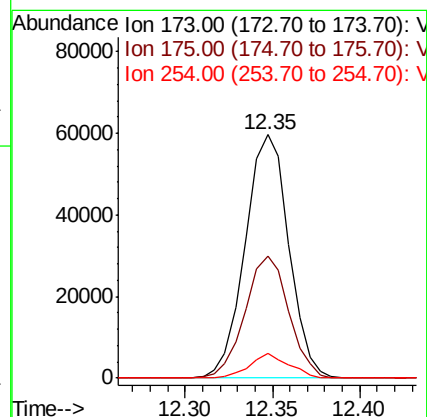
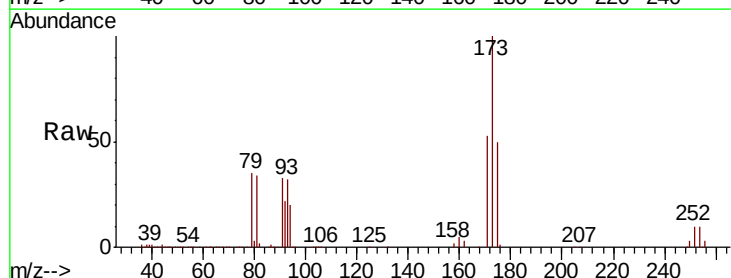
Tgt Ion:173 Resp: 103700

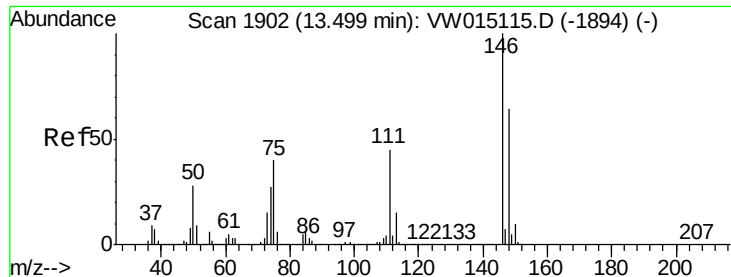
Ion Ratio Lower Upper

173 100

175 50.0 38.7 58.1

254 9.0 7.0 10.4





#63

1,3-Dichlorobenzene

Concen: 27.187 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

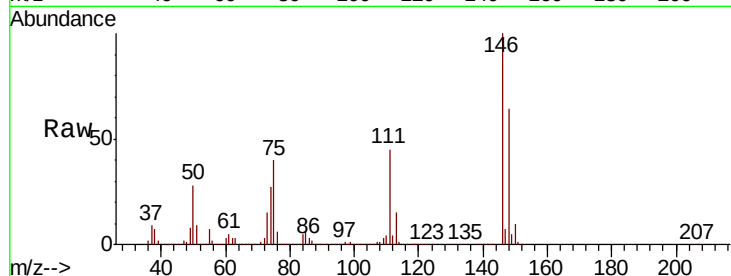
Tot Ion:146 Resp: 514941

Ion Ratio Lower Upper

146 100

111 45.1 30.9 57.3

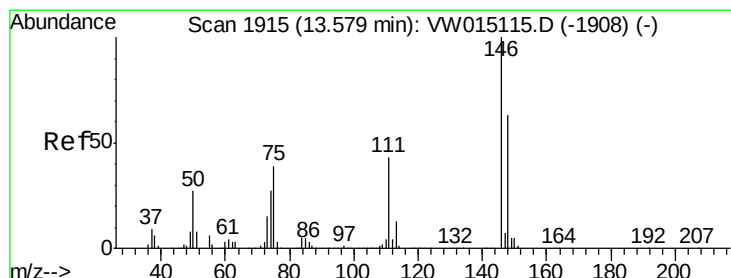
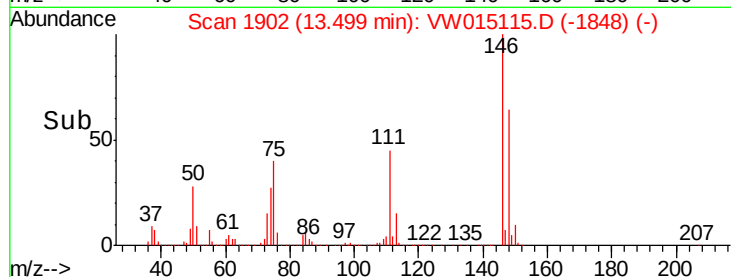
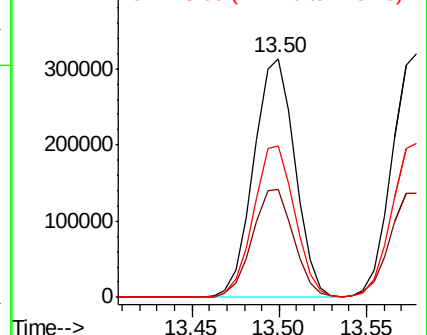
148 63.7 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 26.429 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

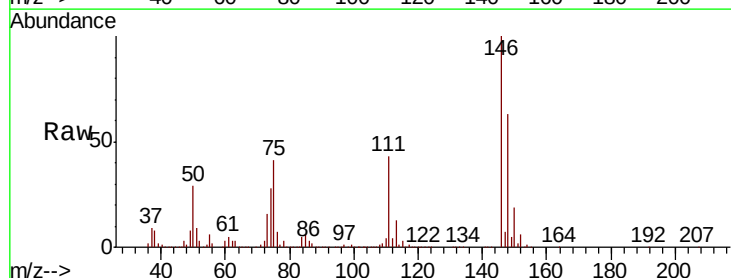
Tgt Ion:146 Resp: 515396

Ion Ratio Lower Upper

146 100

111 42.8 29.9 55.5

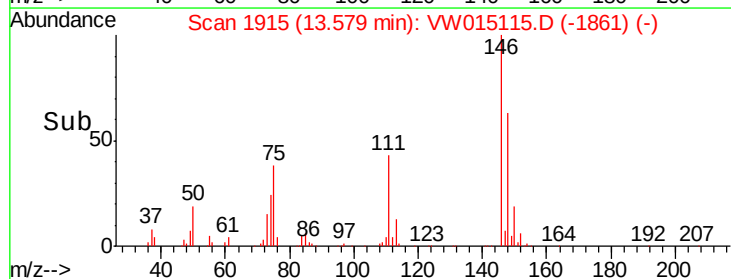
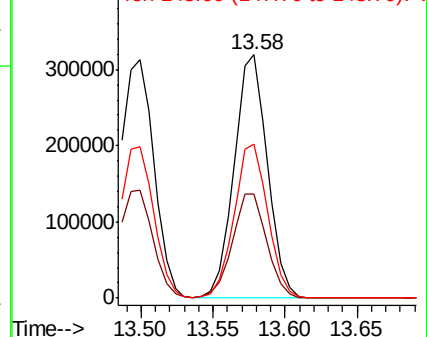
148 63.5 46.1 85.5

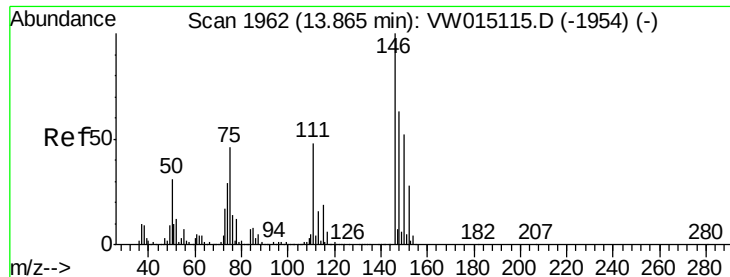


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

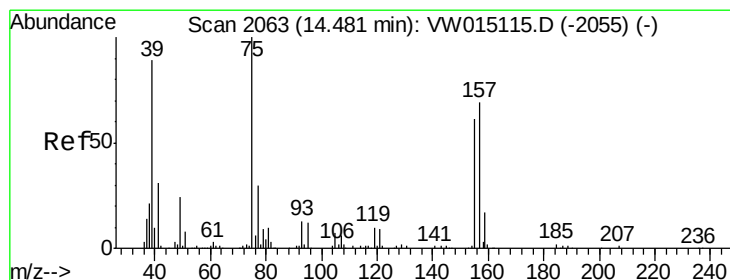
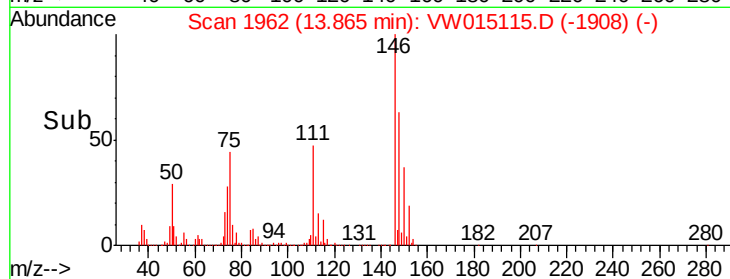
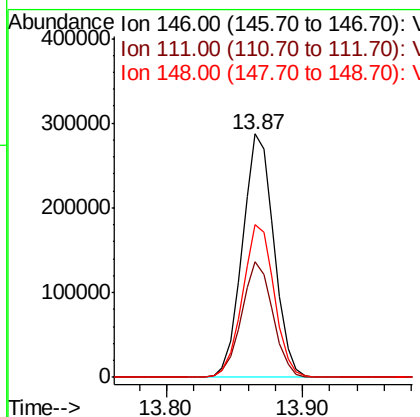
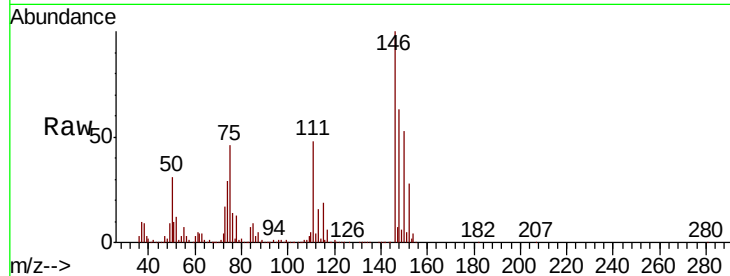




#65
 1,2-Dichlorobenzene
 Concen: 27.036 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

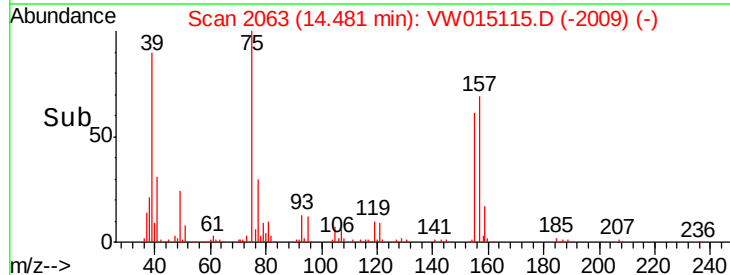
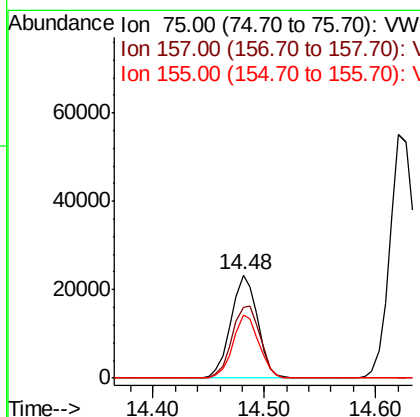
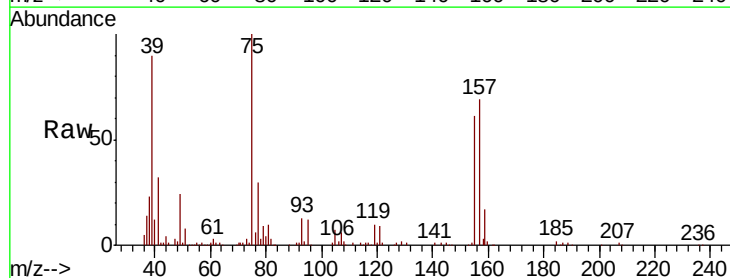
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

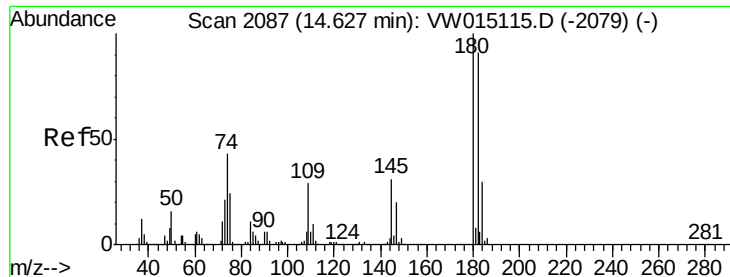
Tot Ion:146 Resp: 463765
 Ion Ratio Lower Upper
 146 100
 111 47.6 37.7 56.5
 148 62.7 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.595 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 75 Resp: 38762
 Ion Ratio Lower Upper
 75 100
 157 68.8 61.4 92.0
 155 61.2 45.0 67.6

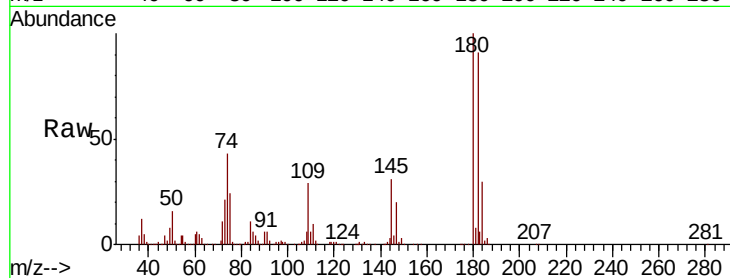




#67
 1,3,5-Trichlorobenzene
 Concen: 27.179 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.4	113.0
184	30.1	23.9	35.9
145	31.8	25.4	38.2



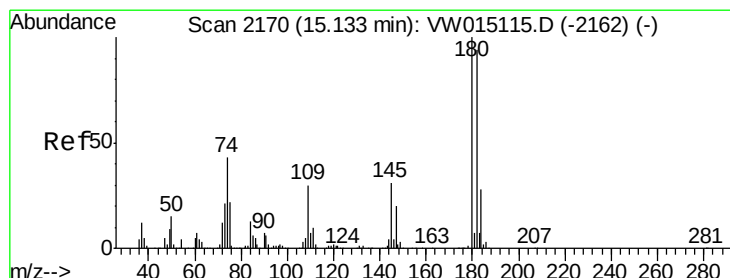
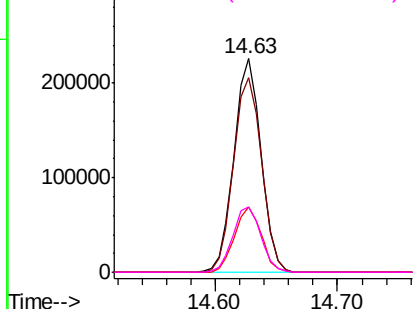
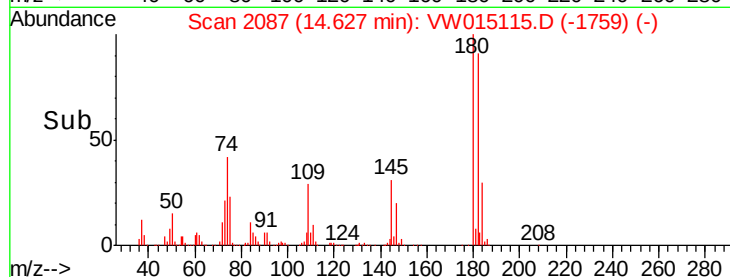
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

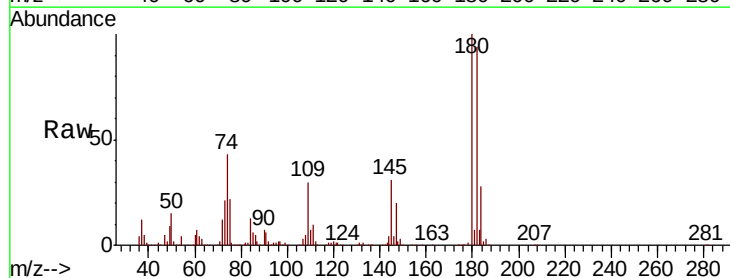
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.649 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015115.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
145	33.2	25.9	38.9

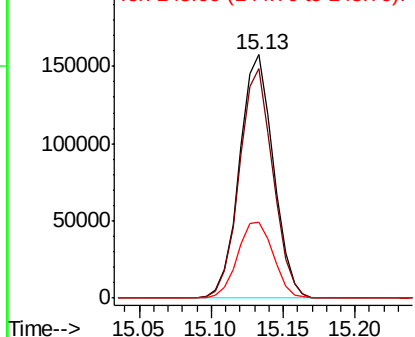
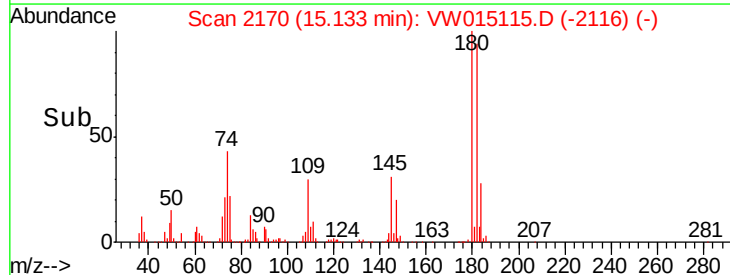


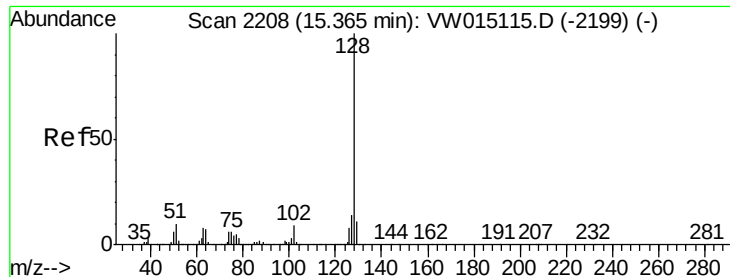
Abundance

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: 27.166 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02514

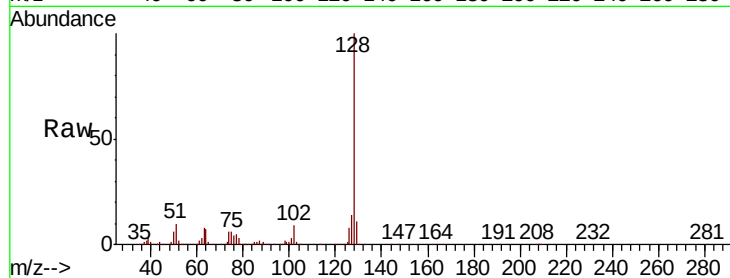
Tot Ion:128 Resp: 223868

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

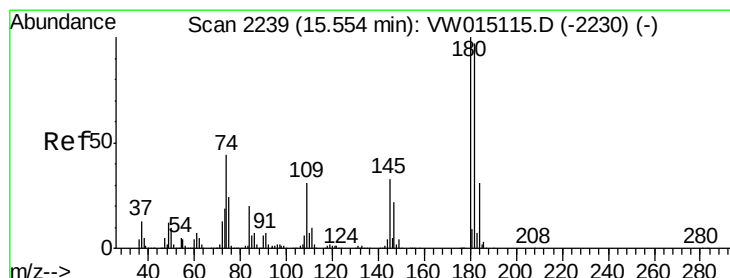
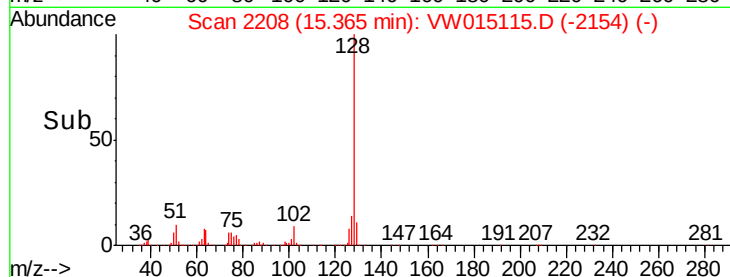
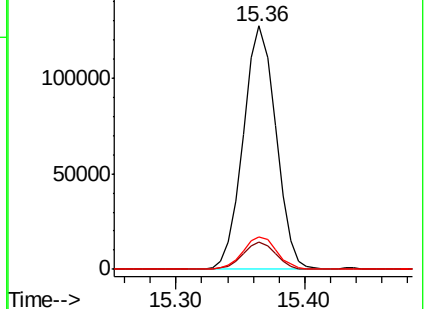
127 13.6 11.1 16.7



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: 27.387 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015115.D

Acq: 12 Mar 2020 10:17

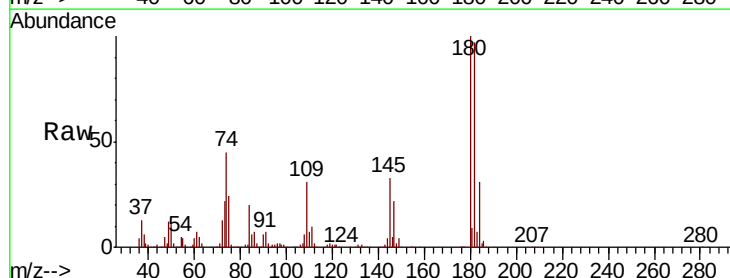
Tgt Ion:180 Resp: 228182

Ion Ratio Lower Upper

180 100

182 93.7 75.8 113.6

145 34.9 27.1 40.7



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

