

Data File : VW015072.D
Acq On : 27 Feb 2020 20:17
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Quant Time: Feb 28 04:03:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 28 03:59:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	619931	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	563494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	252111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	320550	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
7) Chloroethane-d5	2.89	69	242355	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	4.03	63	561955	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.07	46	136084	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
24) Chloroform-d	7.65	84	497948	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.31	65	271842	23.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.40%
29) Benzene-d6	8.27	84	985413	25.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.80%
33) 1,2-Dichloropropane-d6	9.27	67	325790	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.52%
37) Toluene-d8	10.32	98	849194	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.16%
38) trans-1,3-Dichloropropene-	10.58	79	116968	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.64%
39) 2-Hexanone-d5	10.92	63	93063	54.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	212011	25.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	226302	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	109167	20.638 ug/L	93
3) Chloromethane	2.21	50	248501	20.493 ug/L	99
5) Vinyl chloride	2.37	62	331302	21.117 ug/L	100
6) Bromomethane	2.78	94	152279	21.621 ug/L	98
8) Chloroethane	2.93	64	187001	21.905 ug/L	97
9) Trichlorofluoromethane	3.26	101	160551	22.707 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	228779	23.493 ug/L #	74
12) 1,1-Dichloroethene	4.04	96	216333	23.333 ug/L	85
13) Acetone	4.12	43	122244	39.876 ug/L	97
14) Carbon disulfide	4.39	76	763847	22.016 ug/L	99
15) Methyl Acetate	4.67	43	119986	23.244 ug/L	99
16) Methylene chloride	4.92	84	245101	21.360 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	275839	24.579 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	224542	23.441 ug/L	99
19) 1,1-Dichloroethane	6.21	63	500178	23.412 ug/L	99
21) 2-Butanone	7.17	43	161535	44.810 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	233006	23.902 ug/L	97

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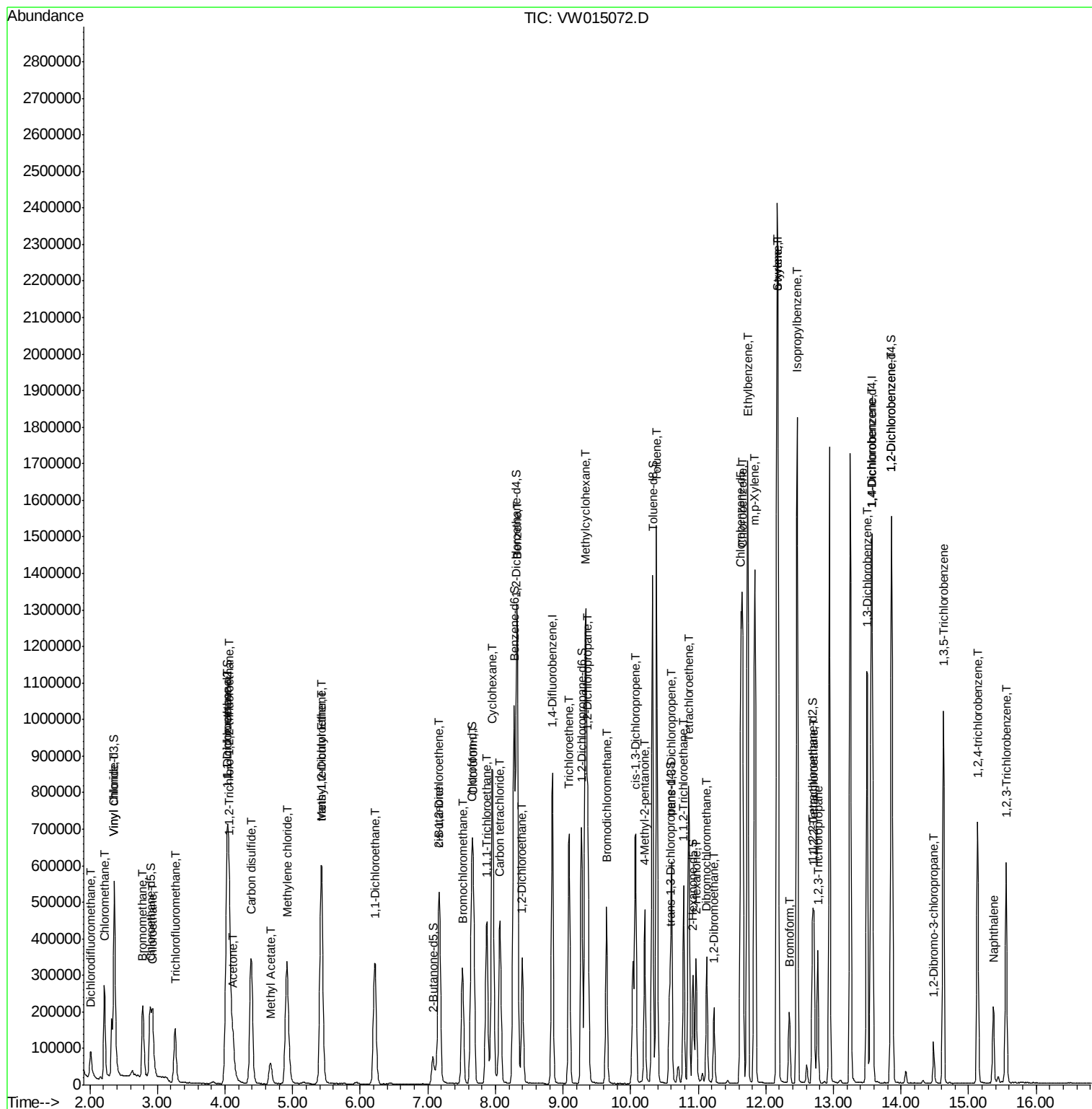
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86342	22.769	ug/L	98
25) Chloroform	7.67	83	448903	23.153	ug/L	99
27) 1,2-Dichloroethane	8.40	62	306571	23.110	ug/L	99
30) Cyclohexane	7.96	56	473661	25.141	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	349953	24.081	ug/L	99
32) Carbon tetrachloride	8.07	117	308277	23.673	ug/L	100
34) Benzene	8.32	78	1048953	25.025	ug/L	100
35) Trichloroethene	9.09	95	240834	23.752	ug/L	99
36) Methylcyclohexane	9.34	83	452553	25.992	ug/L	98
40) 1,2-Dichloropropane	9.37	63	285764	24.546	ug/L	100
41) Bromodichloromethane	9.64	83	314036	24.048	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	374060	24.657	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	327502	50.296	ug/L	99
44) Toluene	10.38	91	1052635	25.857	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	300000	24.468	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	155632	23.756	ug/L	98
47) Tetrachloroethene	10.86	164	154163	23.590	ug/L	97
49) 2-Hexanone	10.97	43	233275	49.416	ug/L	98
50) Dibromochloromethane	11.13	129	165198	23.694	ug/L	98
51) 1,2-Dibromoethane	11.23	107	137396	24.064	ug/L	95
52) Chlorobenzene	11.65	112	573470	23.950	ug/L	98
53) Ethylbenzene	11.73	91	1144082	25.726	ug/L	100
54) m,p-Xylene	11.84	106	406425	26.121	ug/L	96
55) o-xylene	12.16	106	376566	25.974	ug/L	98
56) Styrene	12.18	104	653077	26.301	ug/L	97
57) Isopropylbenzene	12.46	105	1042968	26.416	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	198498	24.014	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	147507	23.217	ug/L	100
62) Bromoform	12.35	173	78476	22.146	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	395428	24.043	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	395497	23.355	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	353258	23.716	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	28819	21.915	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	262224	23.776	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	188957	23.442	ug/L	100
69) Naphthalene	15.36	128	160725	22.461	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	172611	23.858	ug/L	99

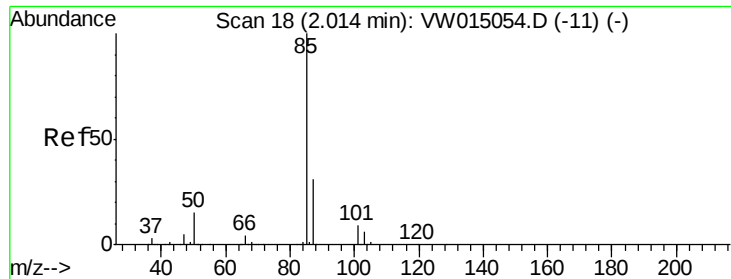
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.638 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

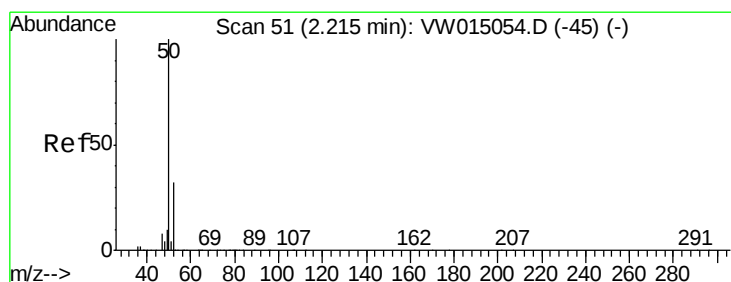
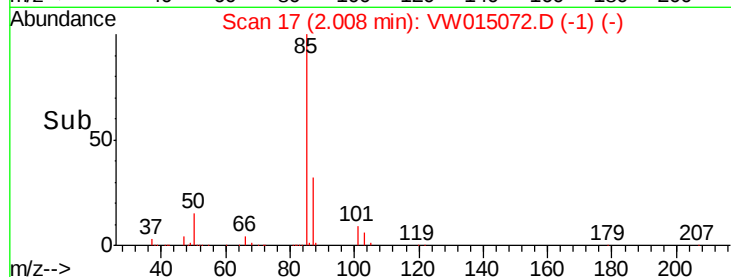
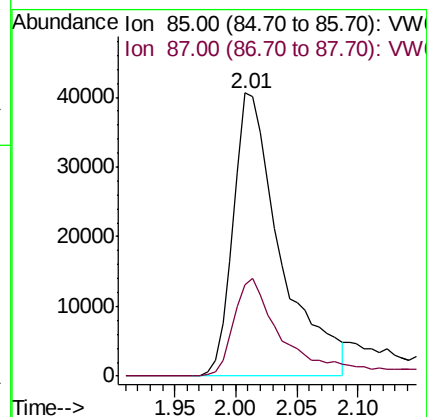
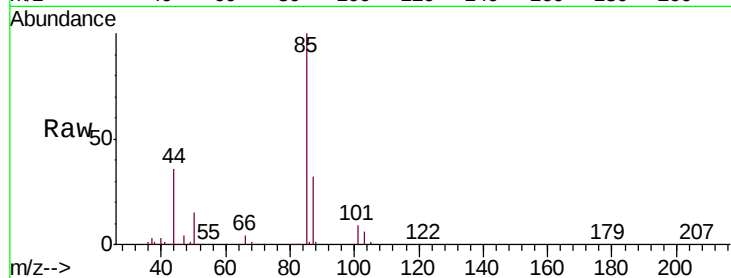
VSTD02509

Tgt Ion: 85 Resp: 109167

Ion Ratio Lower Upper

85 100

87 35.4 22.0 41.0



#3

Chloromethane

Concen: 20.493 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015072.D

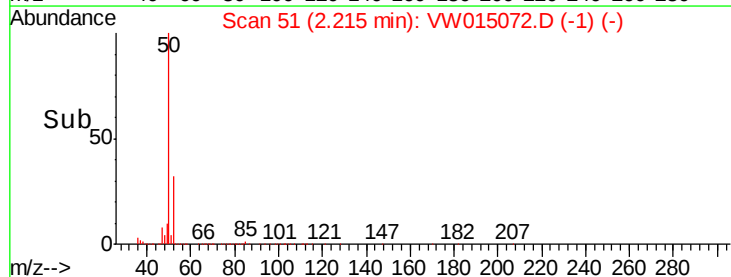
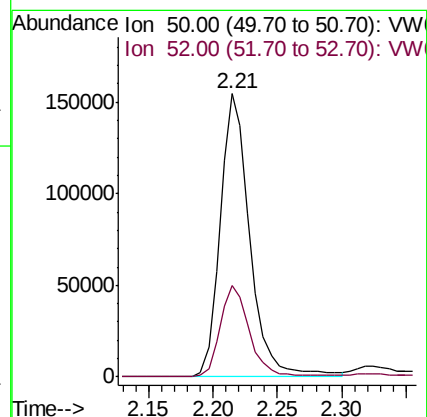
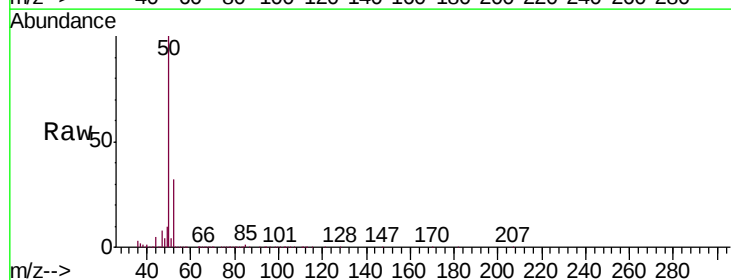
Acq: 27 Feb 2020 20:17

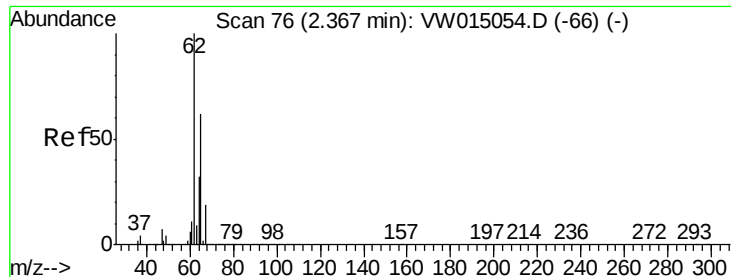
Tgt Ion: 50 Resp: 248501

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.5





#5

Vinyl chloride

Concen: 21.117 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

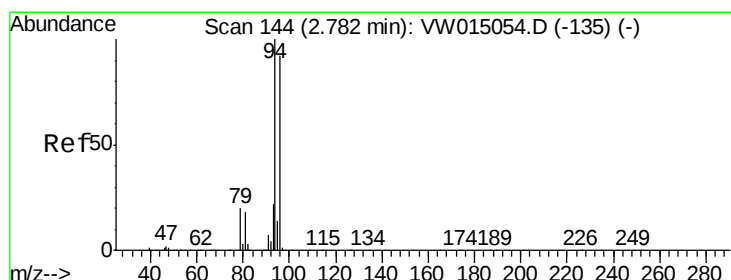
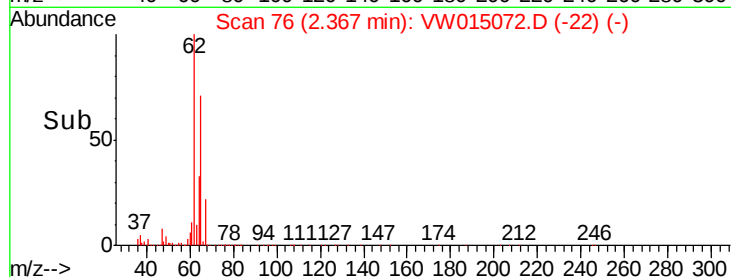
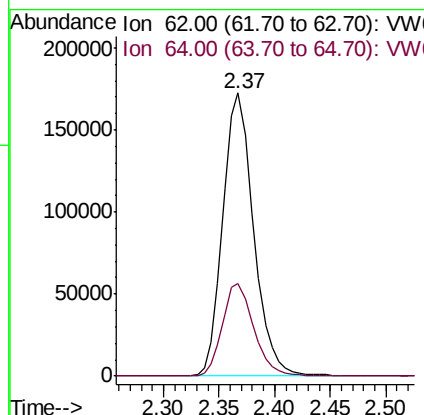
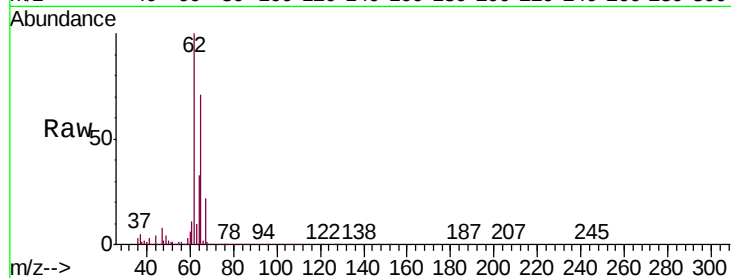
VSTD02509

Tgt Ion: 62 Resp: 331302

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#6

Bromomethane

Concen: 21.621 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015072.D

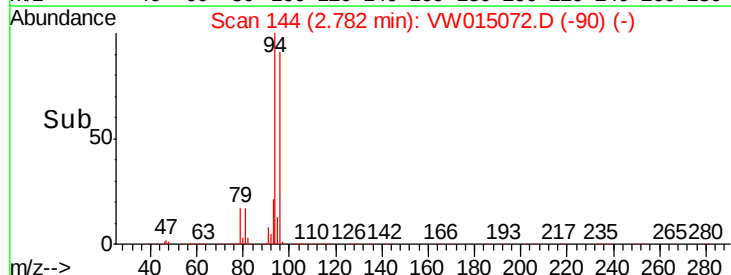
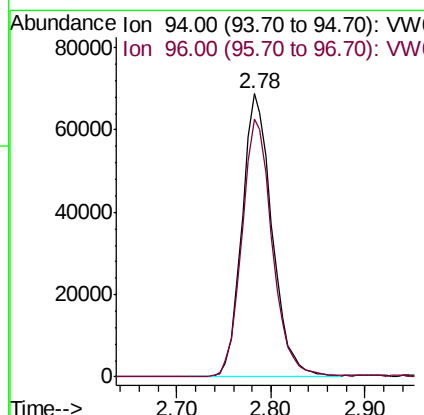
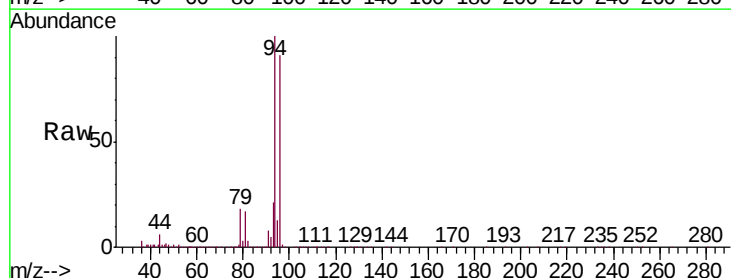
Acq: 27 Feb 2020 20:17

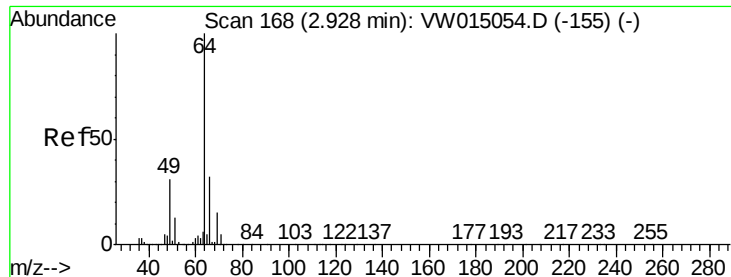
Tgt Ion: 94 Resp: 152279

Ion Ratio Lower Upper

94 100

96 92.8 9.5 179.7





#8

Chloroethane

Concen: 21.905 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

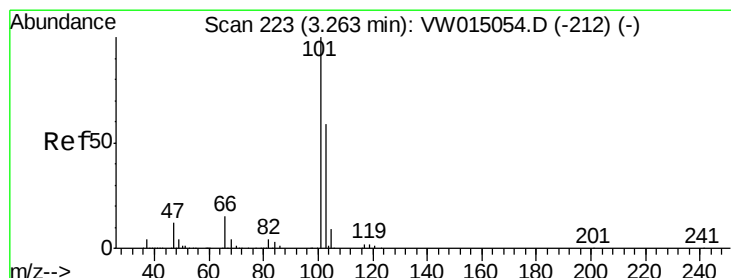
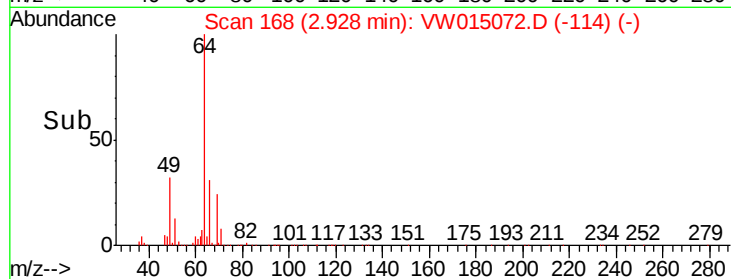
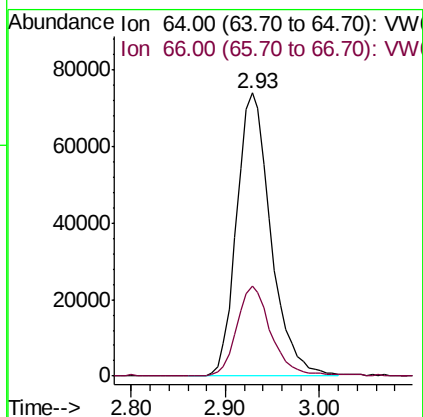
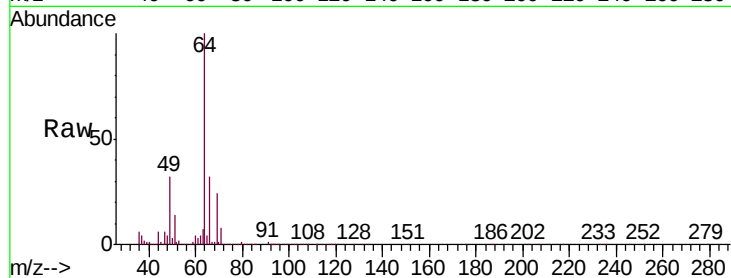
VSTD02509

Tgt Ion: 64 Resp: 187001

Ion Ratio Lower Upper

64 100

66 31.7 21.2 39.4



#9

Trichlorofluoromethane

Concen: 22.707 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015072.D

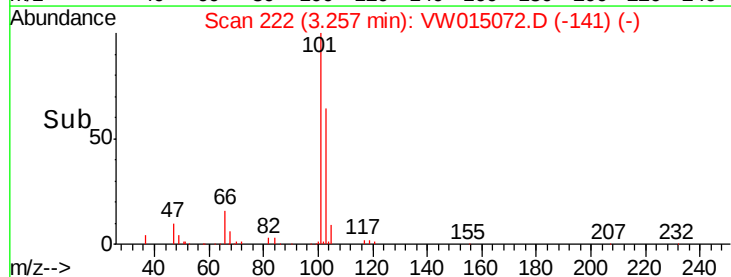
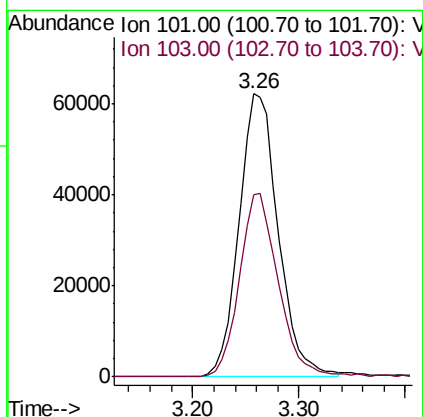
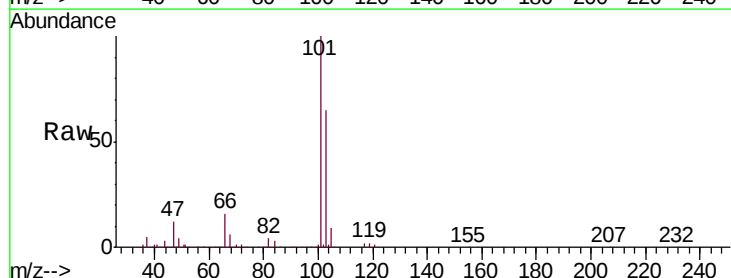
Acq: 27 Feb 2020 20:17

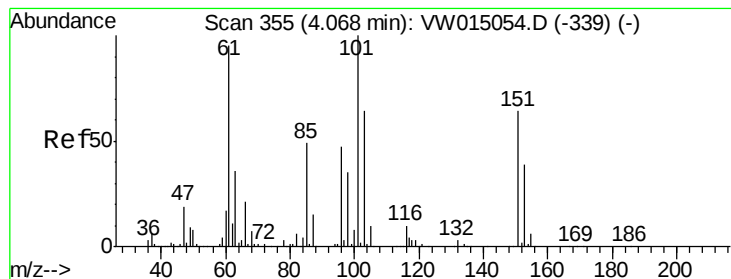
Tgt Ion: 101 Resp: 160551

Ion Ratio Lower Upper

101 100

103 64.2 44.9 83.5





#11

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

Concen: 23.493 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTD02509

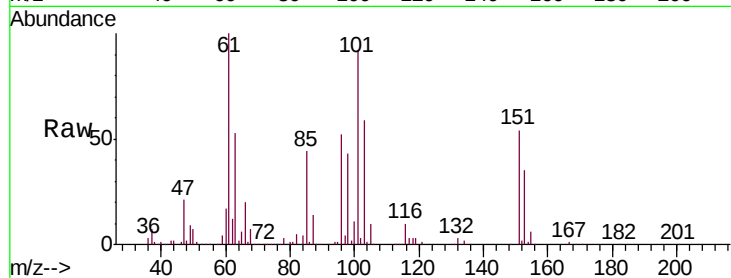
Tgt Ion:101 Resp: 228779

Ion Ratio Lower Upper

101 100

85 47.8 37.8 56.8

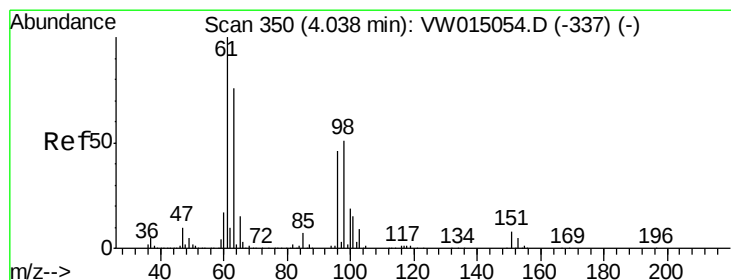
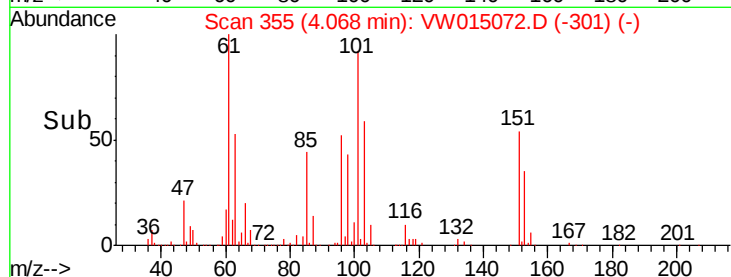
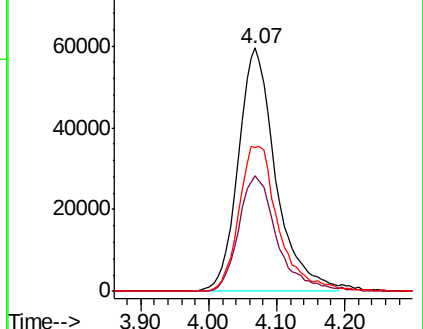
151 28.3 50.3 75.5#



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: 23.333 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

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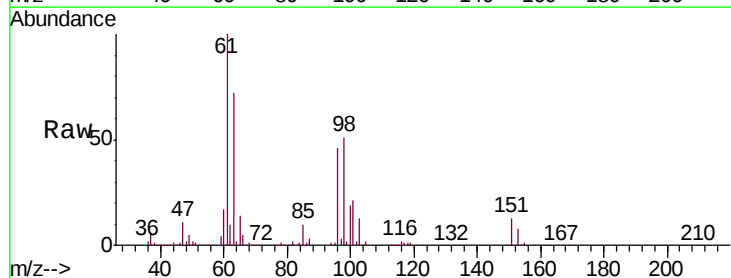
Tgt Ion: 96 Resp: 216333

Ion Ratio Lower Upper

96 100

61 216.2 138.5 257.1

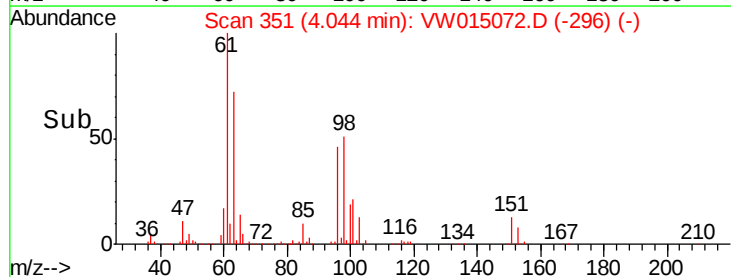
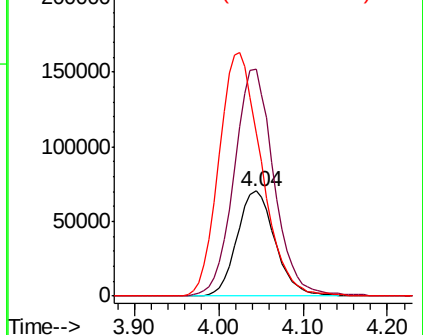
63 155.4 93.4 173.6

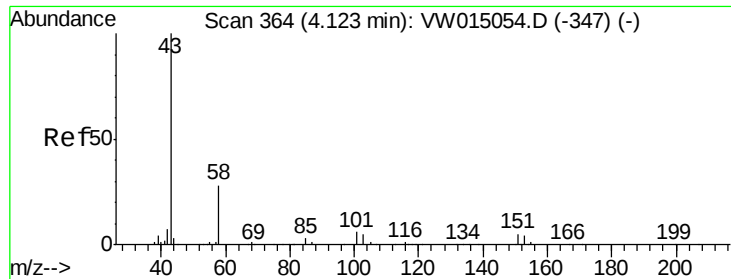


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.876 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

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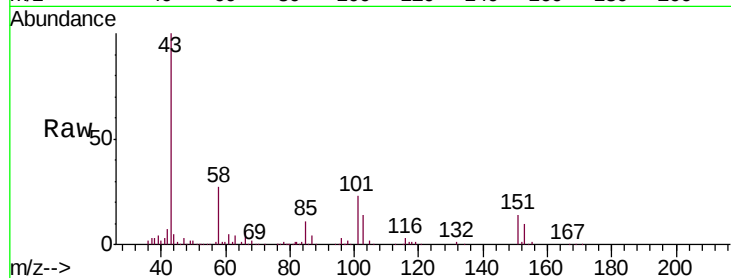
VSTD02509

Tgt Ion: 43 Resp: 122244

Ion Ratio Lower Upper

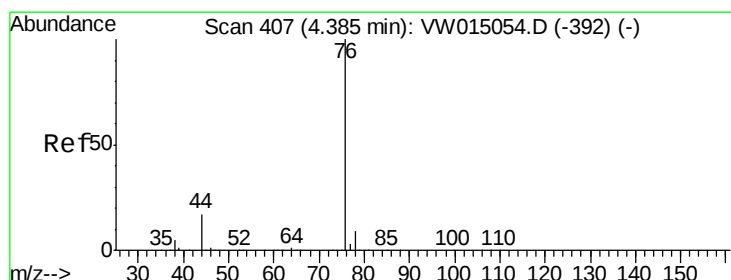
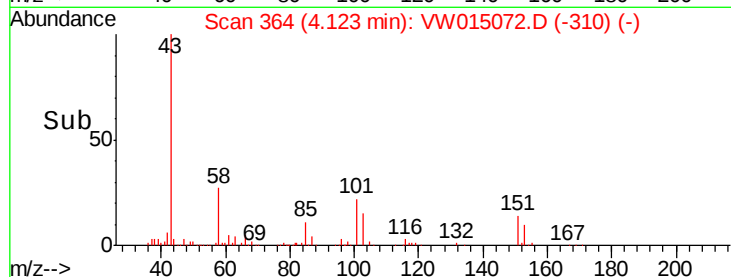
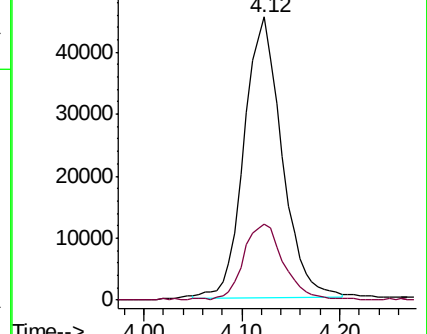
43 100

58 28.5 0.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.016 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015072.D

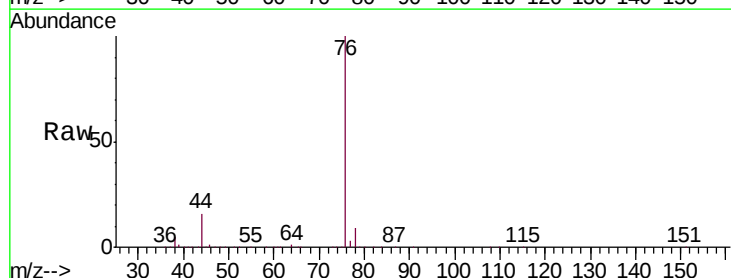
Acq: 27 Feb 2020 20:17

Tgt Ion: 76 Resp: 763847

Ion Ratio Lower Upper

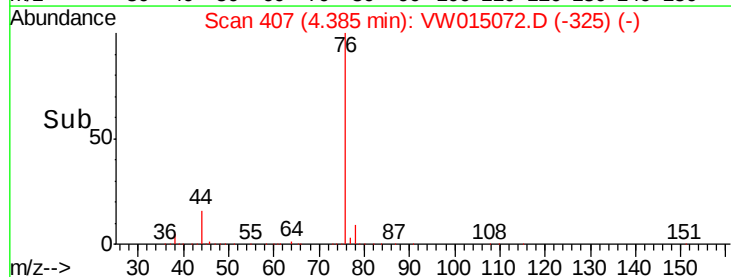
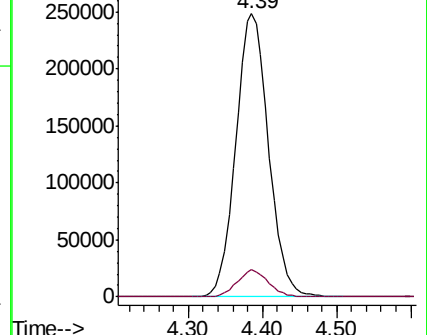
76 100

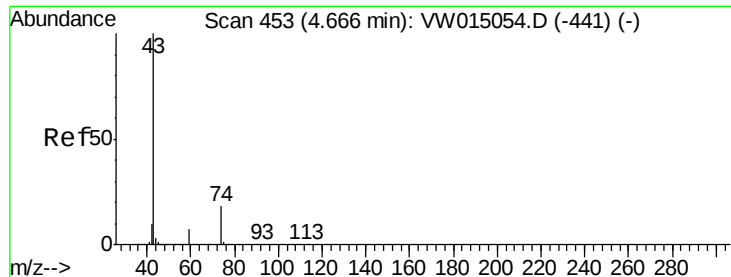
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

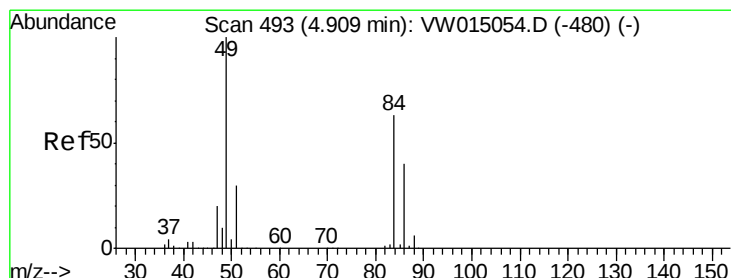
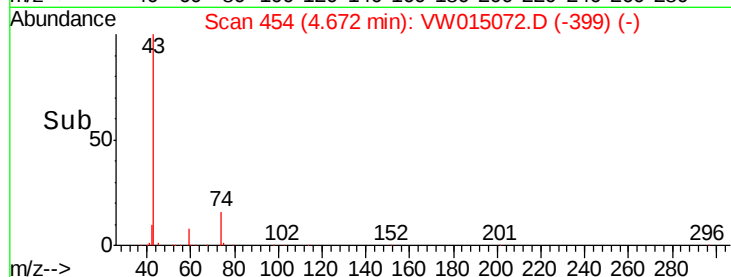
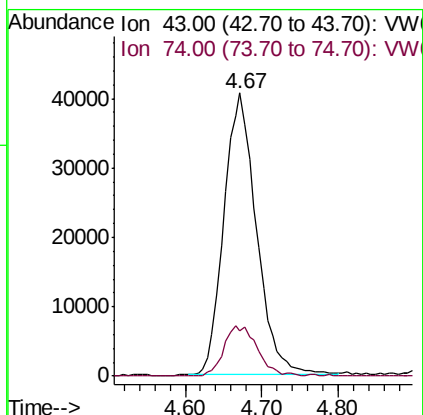
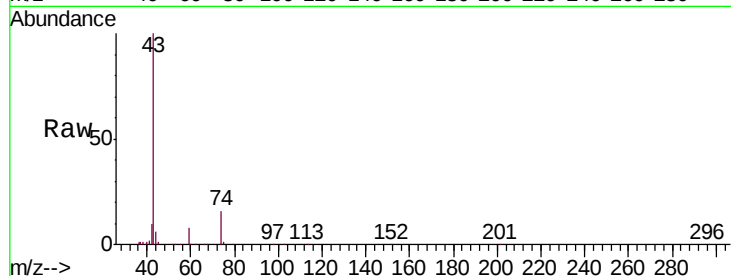




#15
Methyl Acetate
Concen: 23.244 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

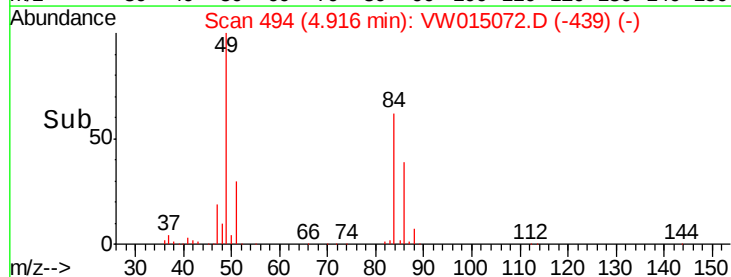
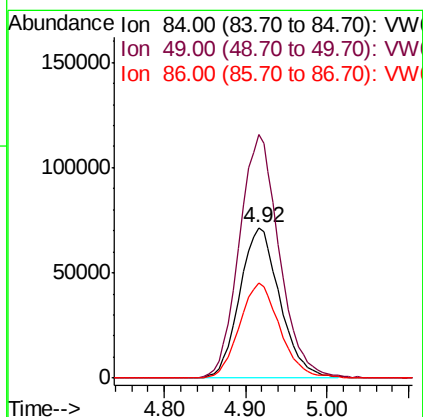
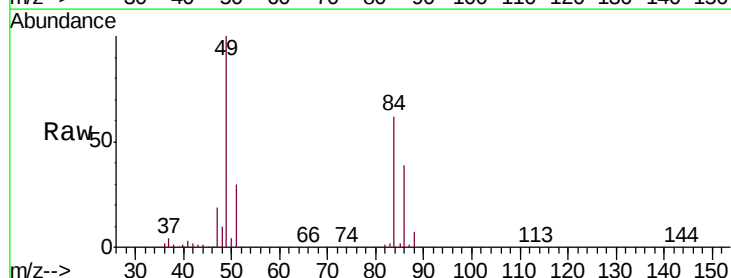
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

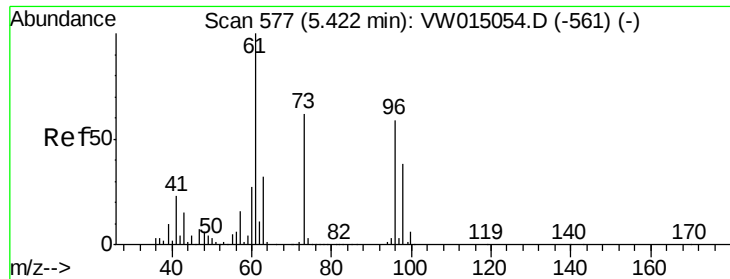
Tgt Ion: 43 Resp: 119986
Ion Ratio Lower Upper
43 100
74 17.8 14.5 21.7



#16
Methylene chloride
Concen: 21.360 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Tgt Ion: 84 Resp: 245101
Ion Ratio Lower Upper
84 100
49 162.1 115.6 214.8
86 62.9 45.9 85.3

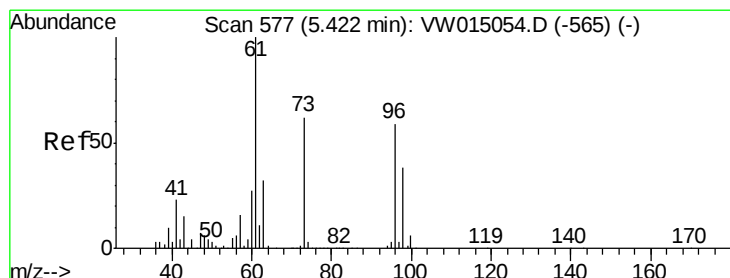
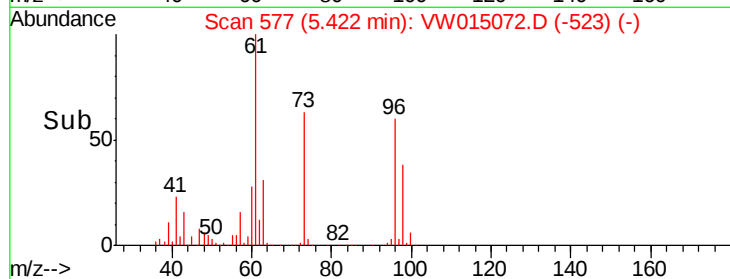
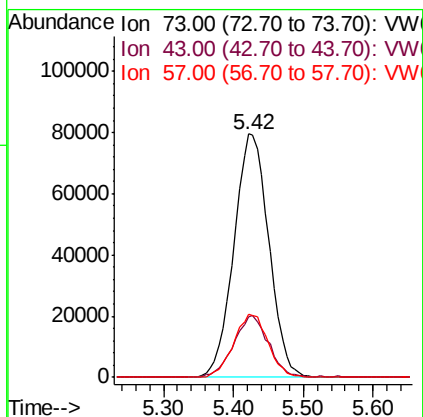
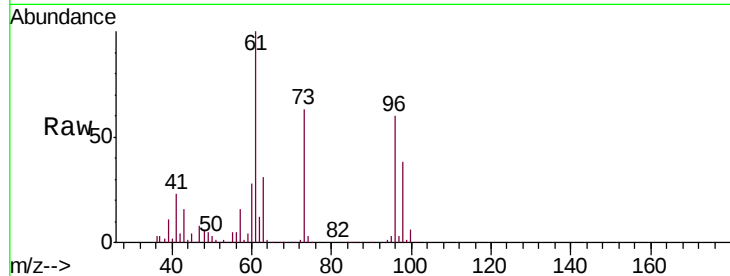




#17
Methyl tert-butyl Ether
Concen: 24.579 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

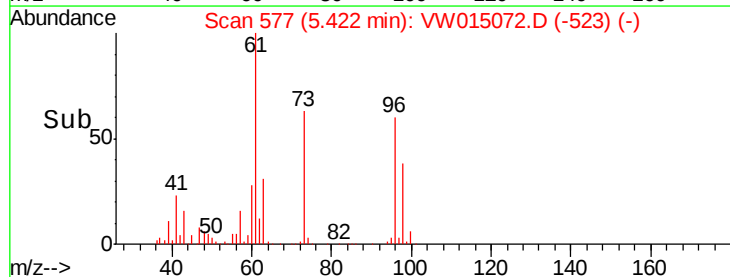
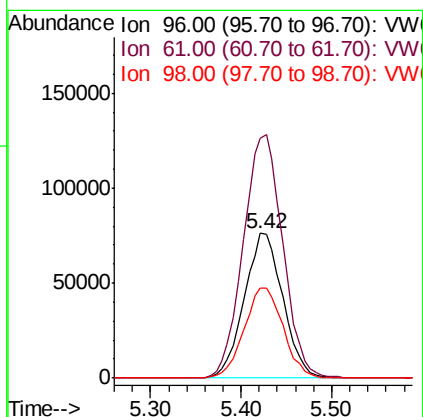
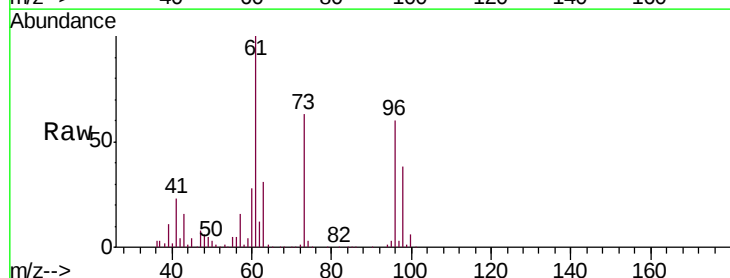
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

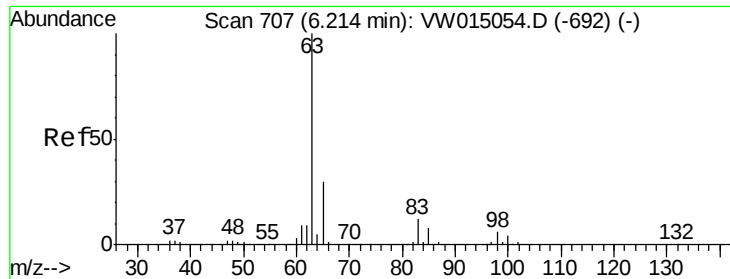
Tgt Ion: 73 Resp: 275839
Ion Ratio Lower Upper
73 100
43 24.9 19.7 29.5
57 25.2 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 23.441 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Tgt Ion: 96 Resp: 224542
Ion Ratio Lower Upper
96 100
61 165.5 115.1 213.8
98 62.2 44.0 81.6

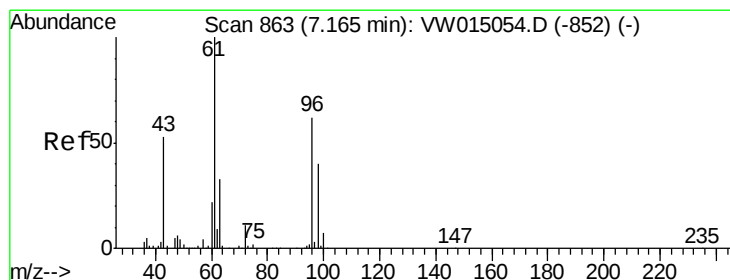
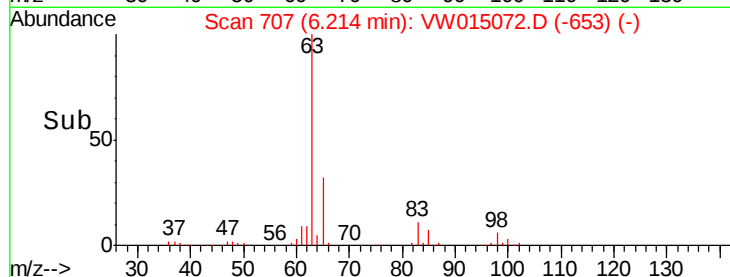
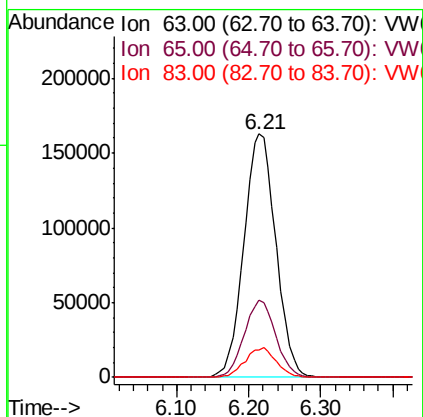
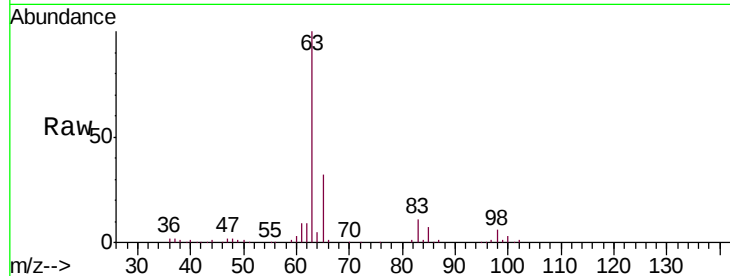




#19
 1,1-Dichloroethane
 Concen: 23.412 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

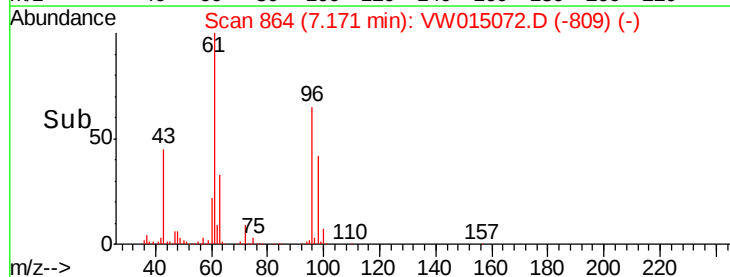
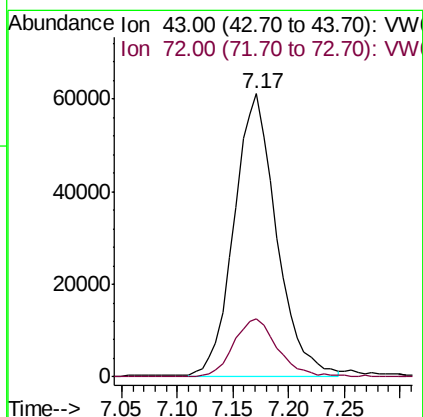
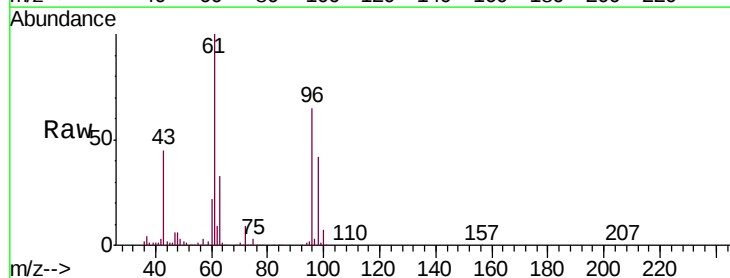
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

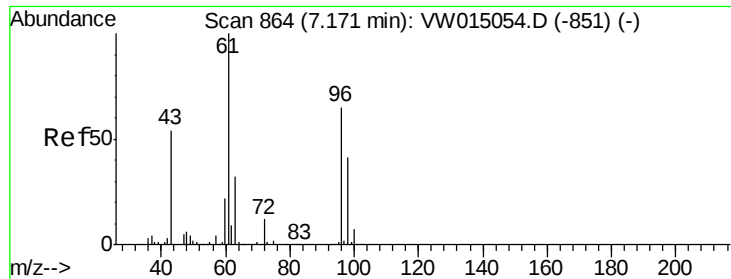
Tgt Ion: 63 Resp: 500178
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.9 40.7
 83 11.2 7.8 14.6



#21
 2-Butanone
 Concen: 44.810 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion: 43 Resp: 161535
 Ion Ratio Lower Upper
 43 100
 72 21.3 10.4 31.4



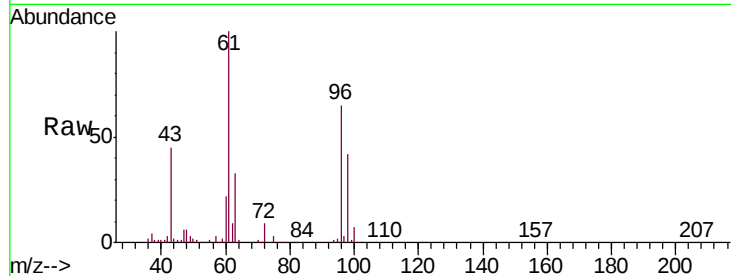


#22

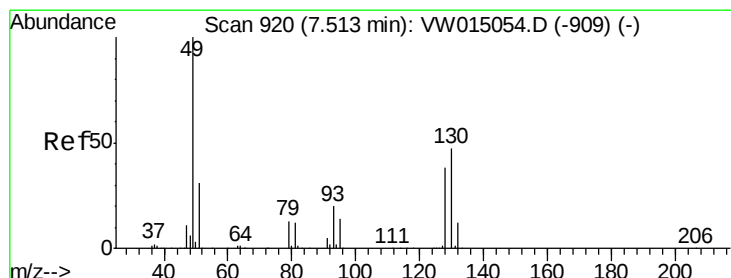
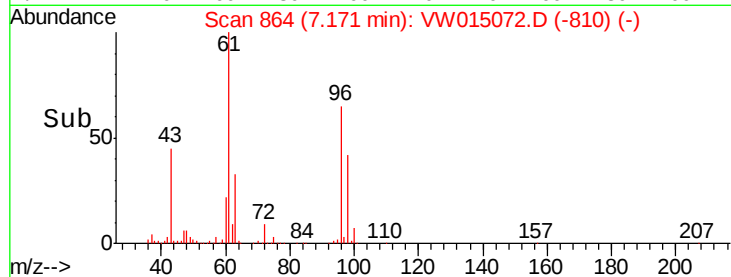
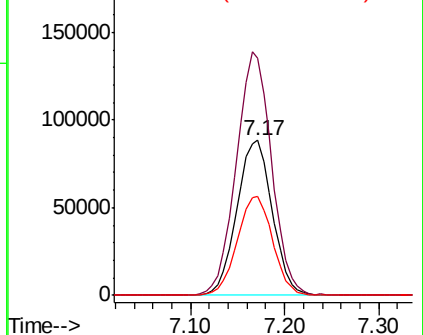
cis-1,2-Dichloroethene
 Concen: 23.902 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion: 96 Resp: 233006
 Ion Ratio Lower Upper
 96 100
 61 153.0 105.2 195.4
 98 63.5 42.6 79.2



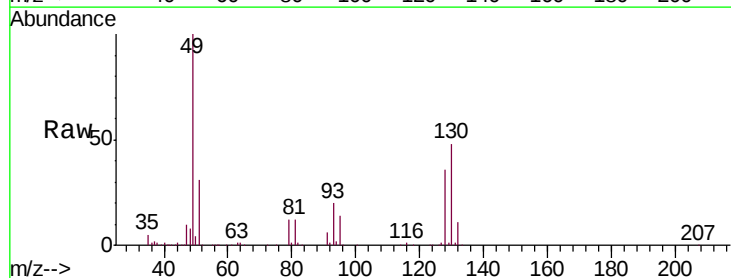
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



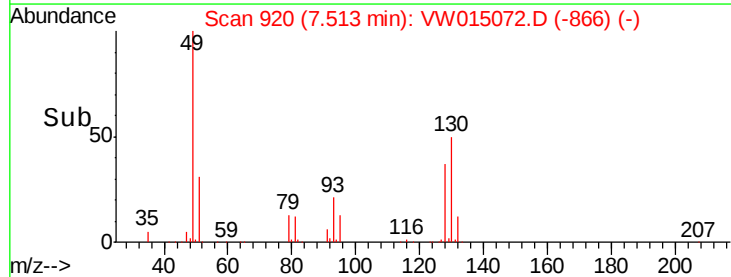
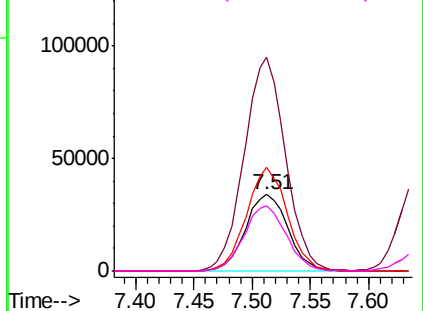
#23

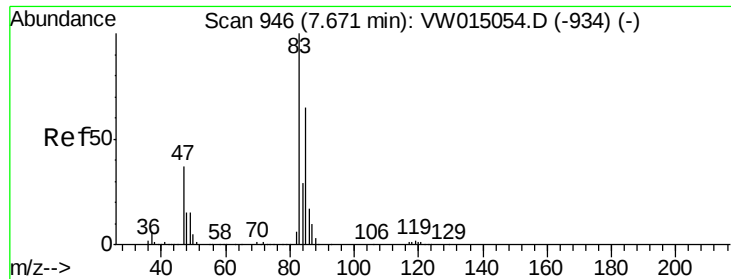
Bromochloromethane
 Concen: 22.769 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion: 128 Resp: 86342
 Ion Ratio Lower Upper
 128 100
 49 278.9 192.7 357.9
 130 134.7 92.7 172.1
 51 85.9 69.3 103.9



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: 23.153 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

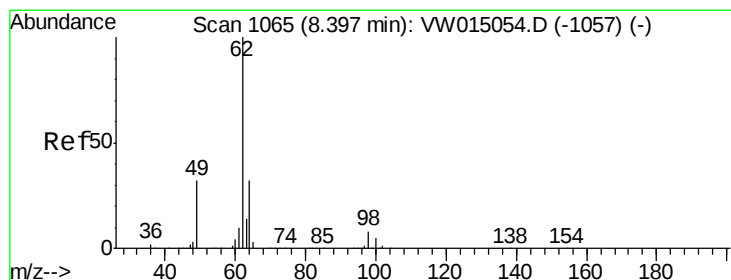
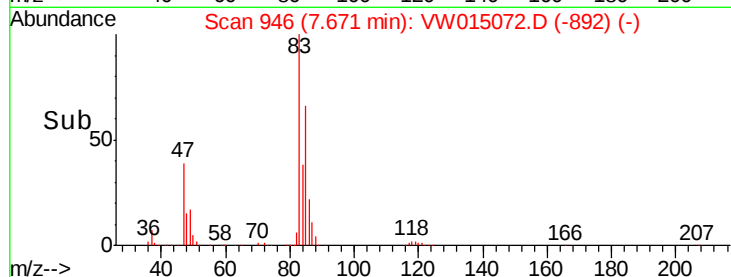
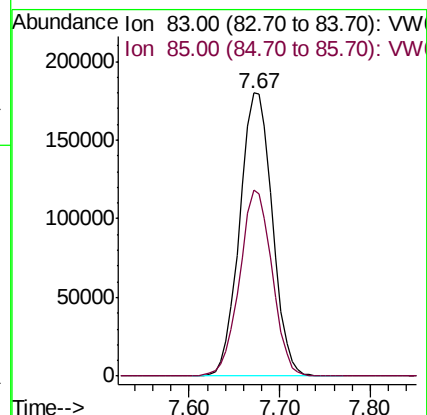
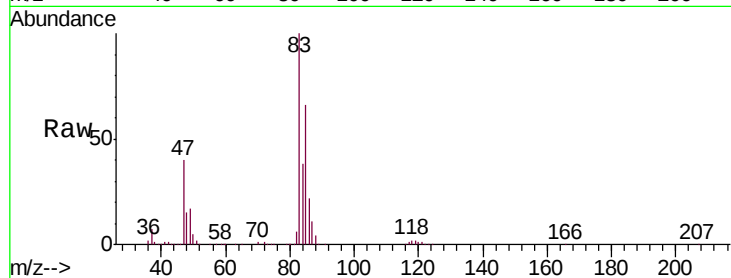
VSTD02509

Tgt Ion: 83 Resp: 448903

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.5



#27

1,2-Dichloroethane

Concen: 23.110 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015072.D

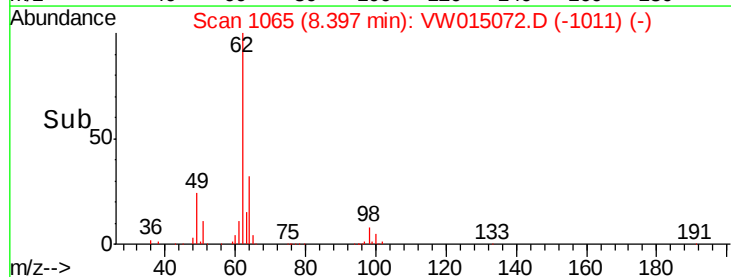
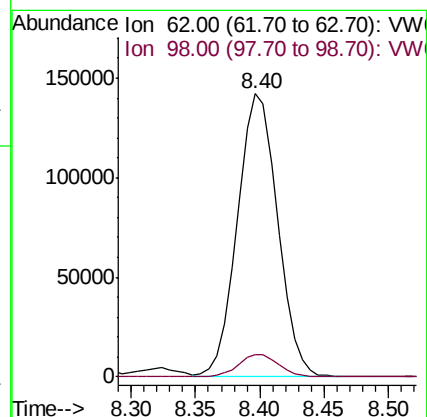
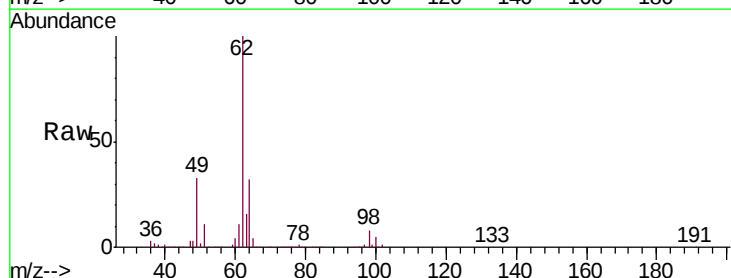
Acq: 27 Feb 2020 20:17

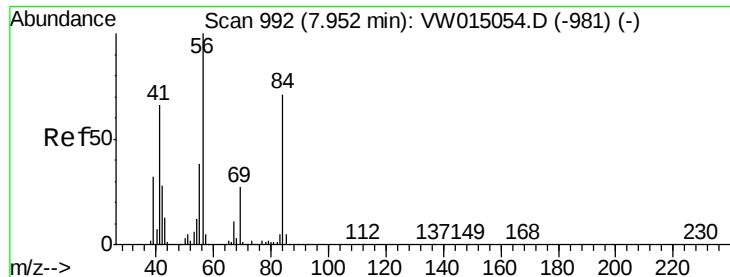
Tgt Ion: 62 Resp: 306571

Ion Ratio Lower Upper

62 100

98 7.7 6.5 9.7

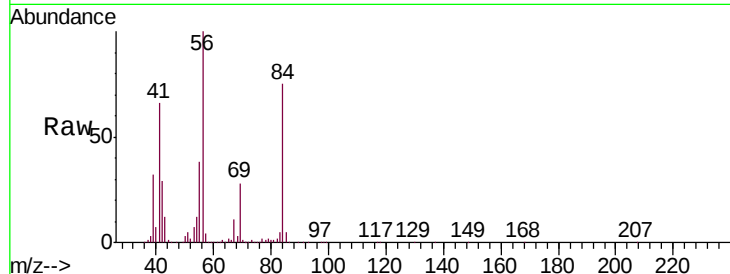




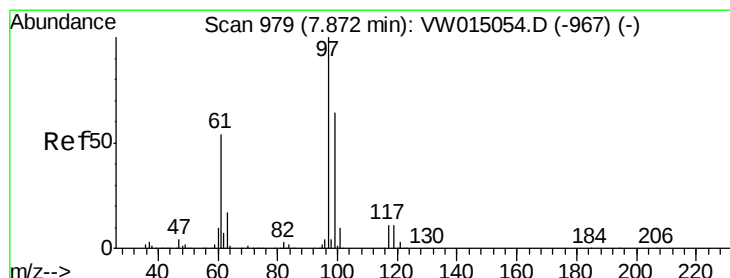
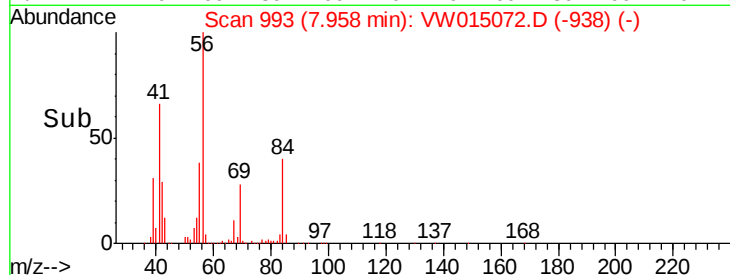
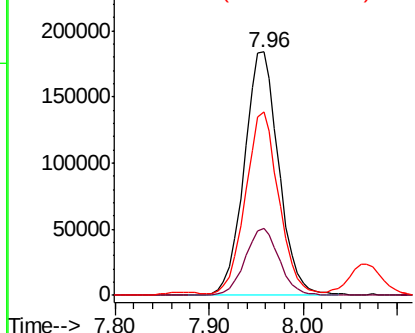
#30
Cyclohexane
Concen: 25.141 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tgt Ion: 56 Resp: 473661
Ion Ratio Lower Upper
56 100
69 27.2 21.8 32.6
84 73.2 57.3 85.9

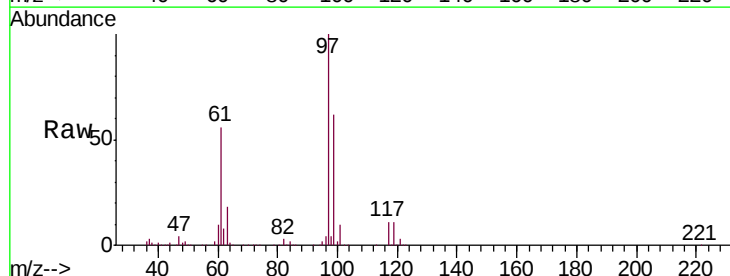


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

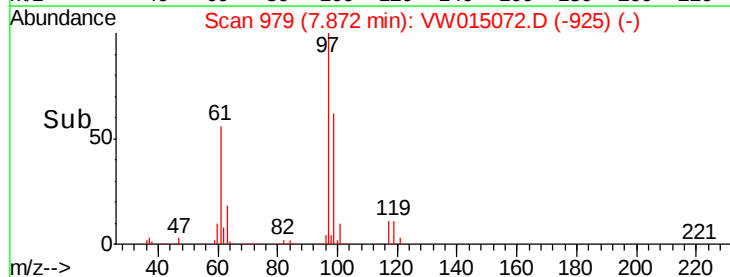
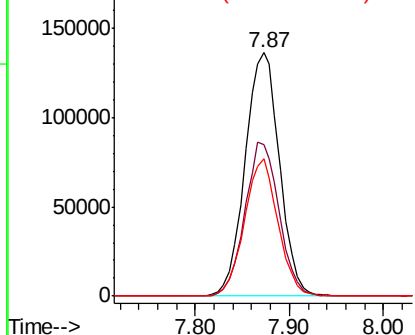


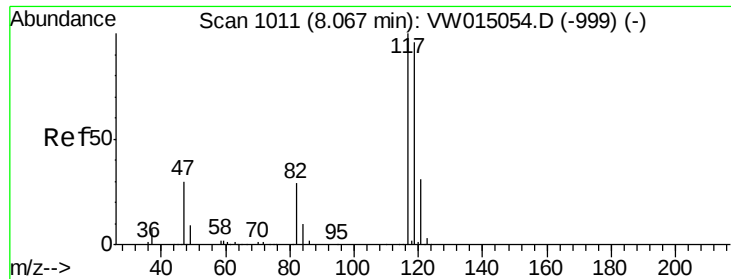
#31
1,1,1-Trichloroethane
Concen: 24.081 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Tgt Ion: 97 Resp: 349953
Ion Ratio Lower Upper
97 100
99 62.6 50.6 76.0
61 54.8 43.1 64.7



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





#32

Carbon tetrachloride

Concen: 23.673 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

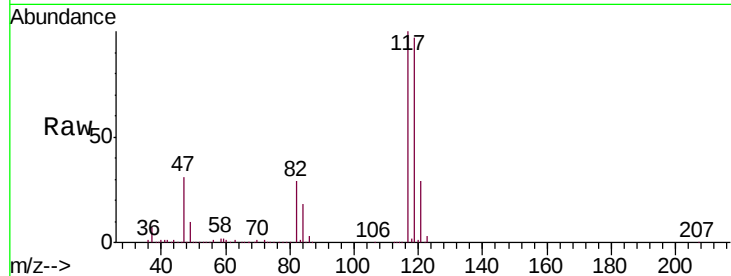
VSTD02509

Tgt Ion:117 Resp: 308277

Ion Ratio Lower Upper

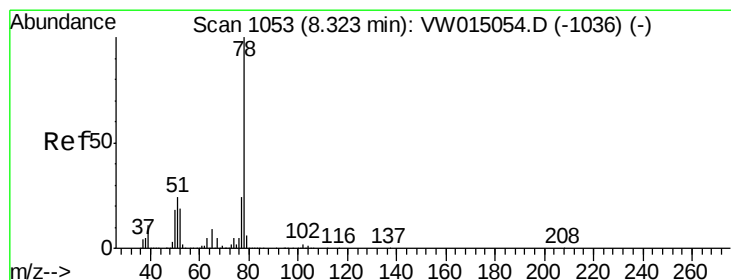
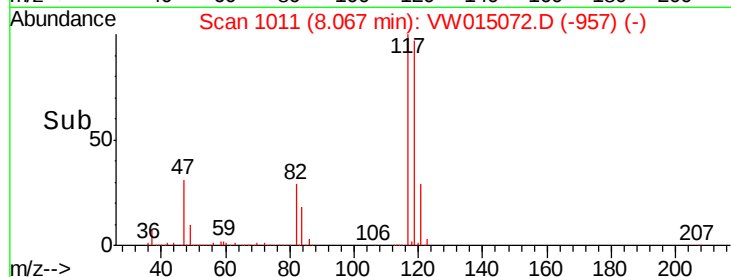
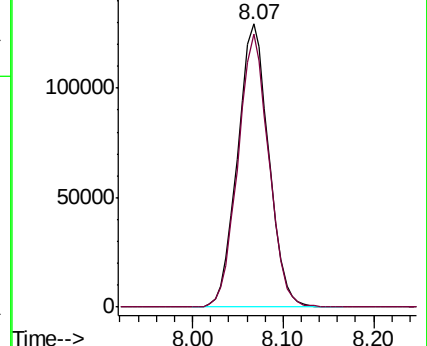
117 100

119 95.3 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: 25.025 ug/L

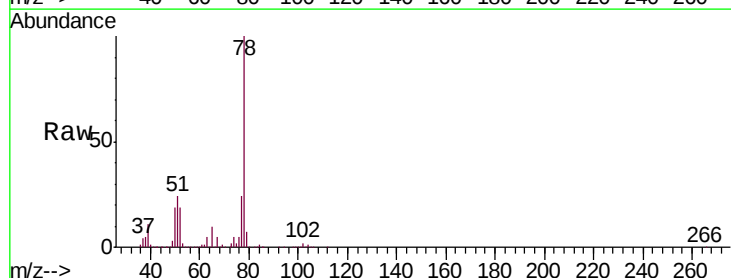
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

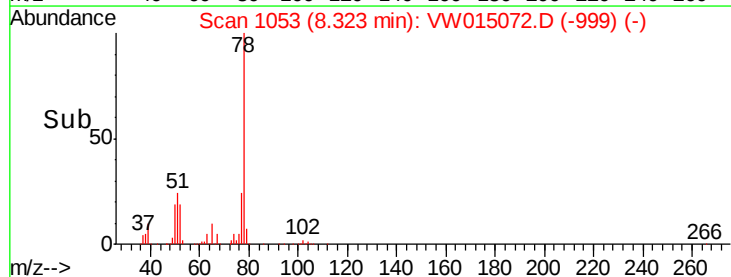
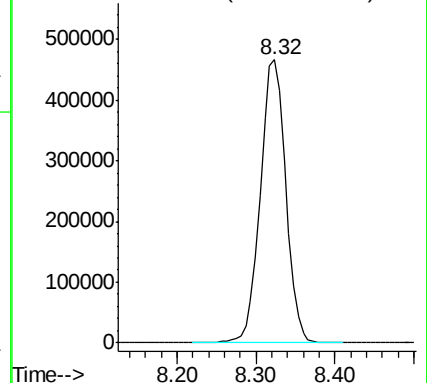
Lab File: VW015072.D

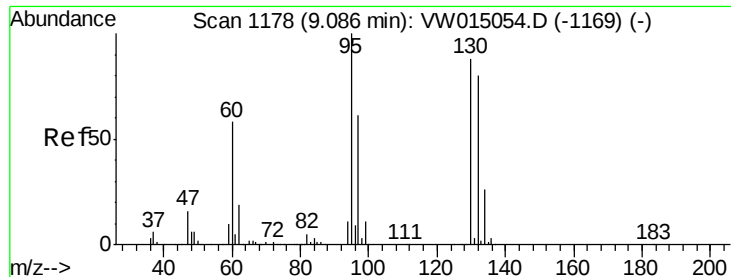
Acq: 27 Feb 2020 20:17

Tgt Ion: 78 Resp: 1048953



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.752 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 95 Resp: 240834

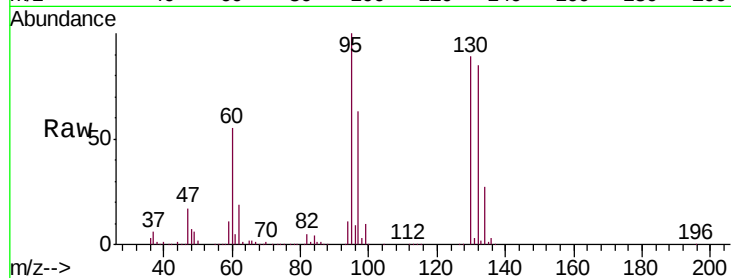
Ion Ratio Lower Upper

95 100

97 63.2 44.7 83.1

132 83.2 58.1 107.9

130 87.7 62.0 115.2

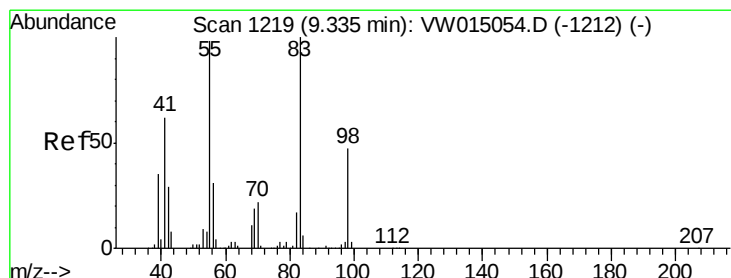
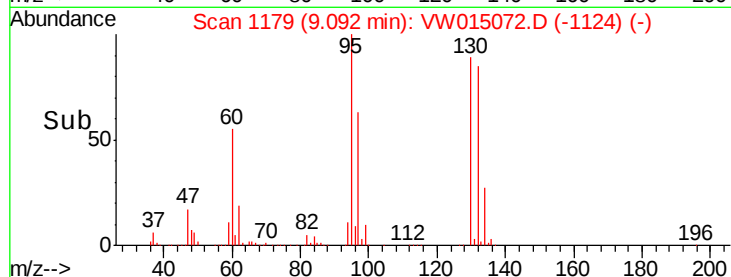
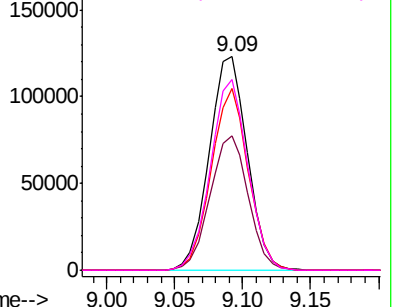


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.992 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

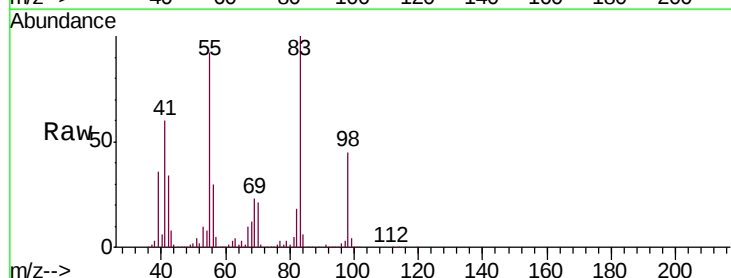
Tgt Ion: 83 Resp: 452553

Ion Ratio Lower Upper

83 100

55 93.8 76.6 115.0

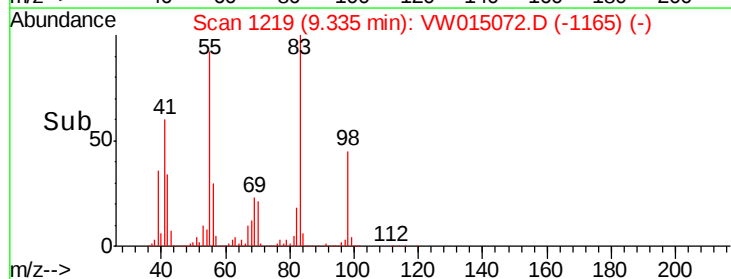
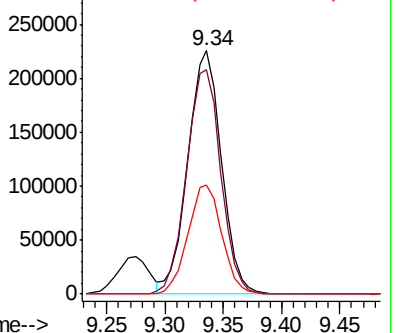
98 45.2 36.6 54.8

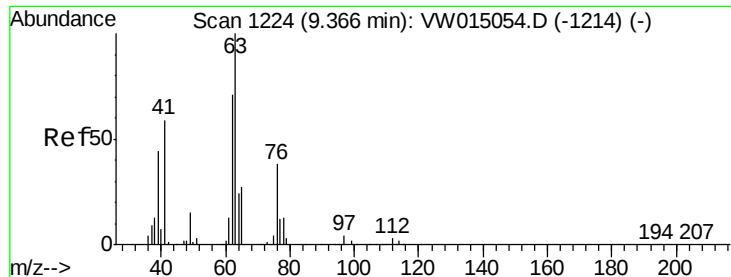


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

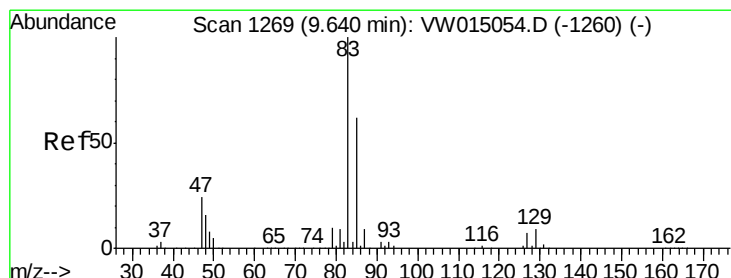
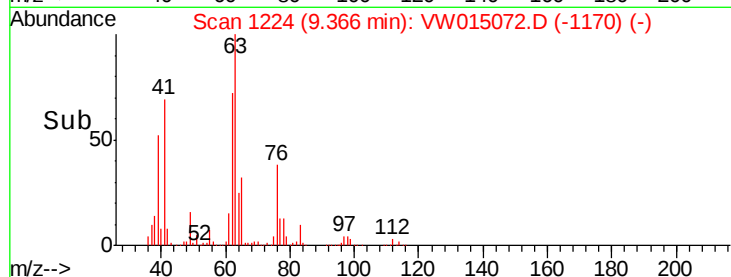
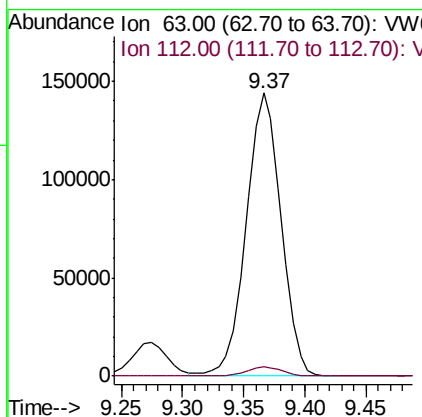
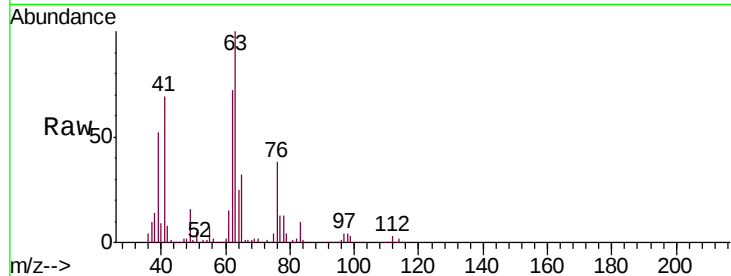




#40
 1,2-Dichloropropane
 Concen: 24.546 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

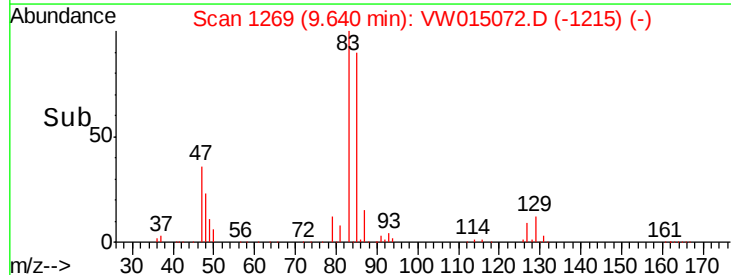
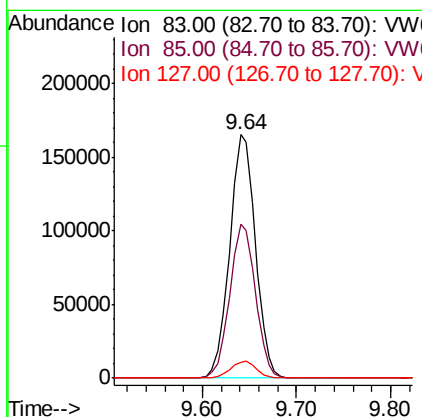
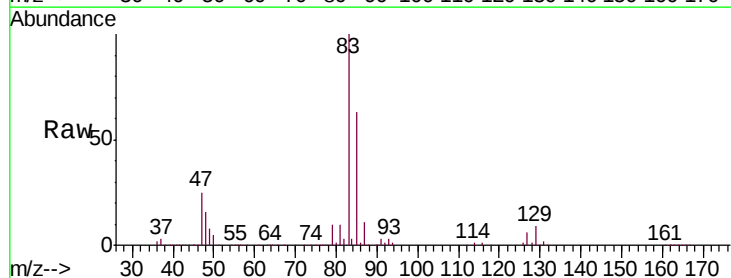
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

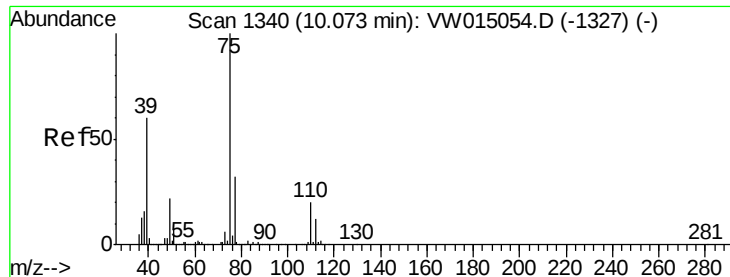
Tgt Ion: 63 Resp: 285764
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.8 4.2



#41
 Bromodichloromethane
 Concen: 24.048 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion: 83 Resp: 314036
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.7 83.1
 127 6.4 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 24.657 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

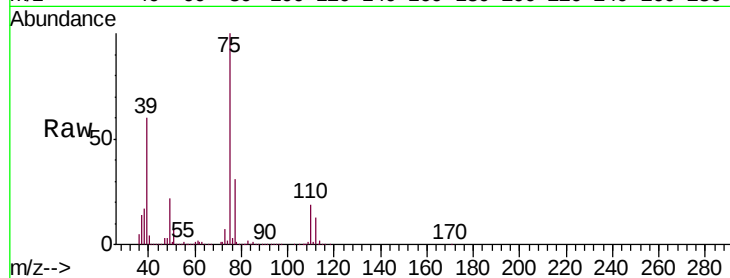
VSTD02509

Tgt Ion: 75 Resp: 374060

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

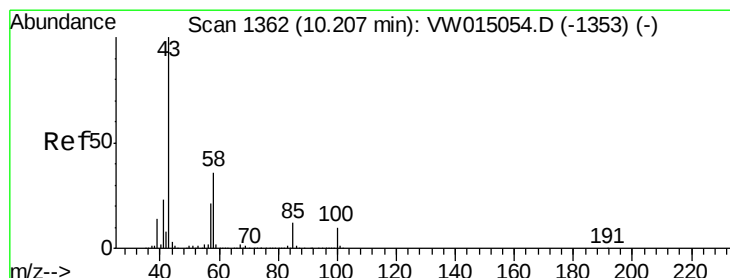
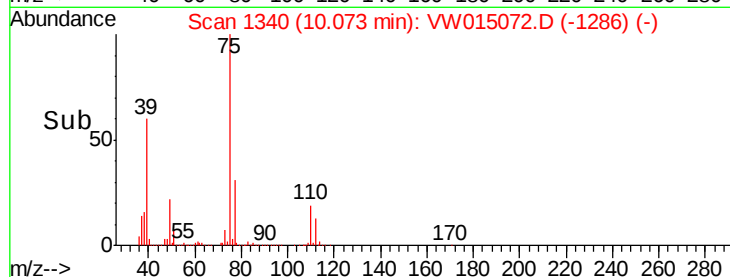
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.296 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

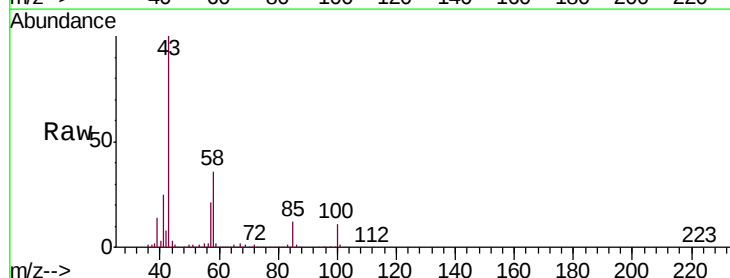
Tgt Ion: 43 Resp: 327502

Ion Ratio Lower Upper

43 100

58 33.8 27.6 41.4

100 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

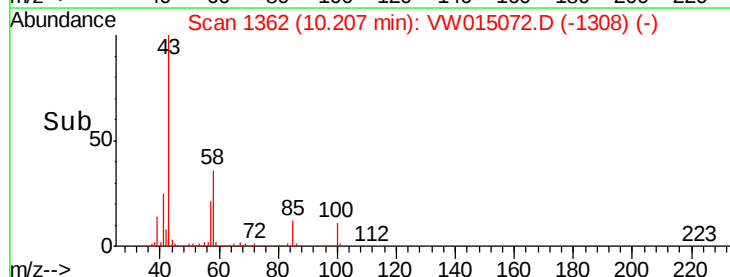
300000

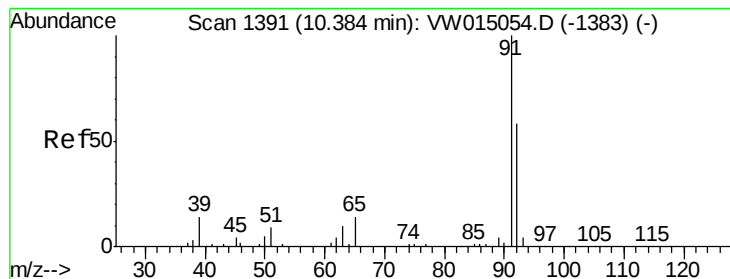
200000

100000

0

Time-->





#44

Toluene

Concen: 25.857 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

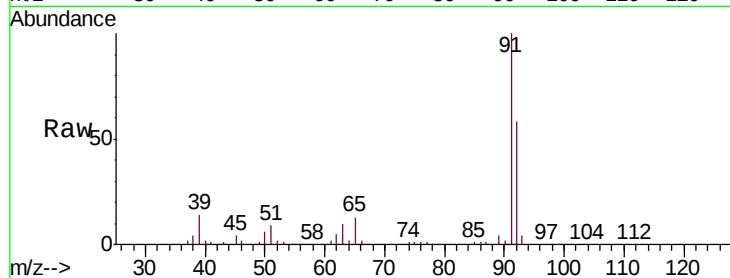
VSTD02509

Tgt Ion: 91 Resp: 1052635

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

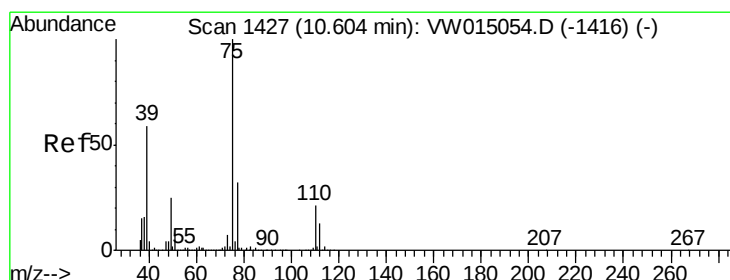
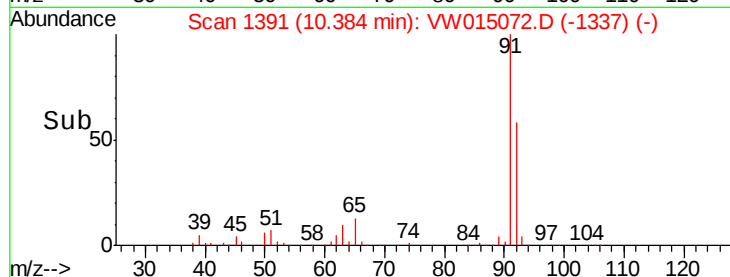
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.468 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015072.D

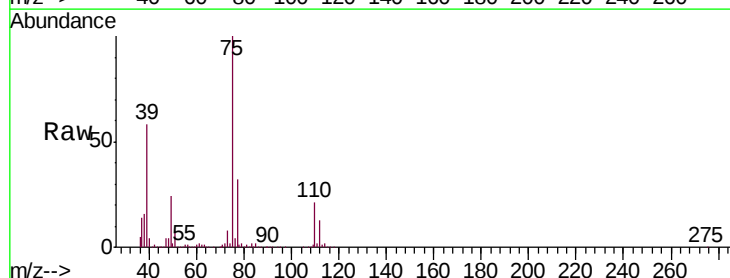
Acq: 27 Feb 2020 20:17

Tgt Ion: 75 Resp: 300000

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

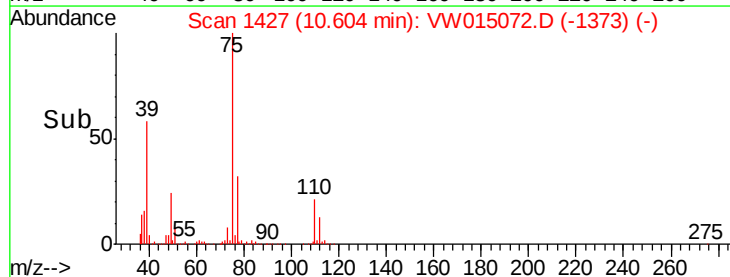
150000

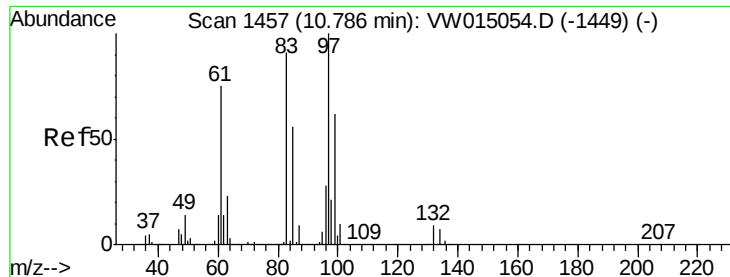
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 23.756 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

Tgt Ion: 97 Resp: 155632

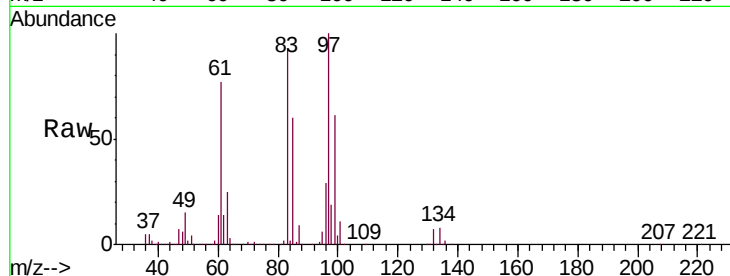
Ion Ratio Lower Upper

97 100

83 93.3 64.4 119.6

85 59.8 40.9 75.9

99 61.3 44.1 81.9



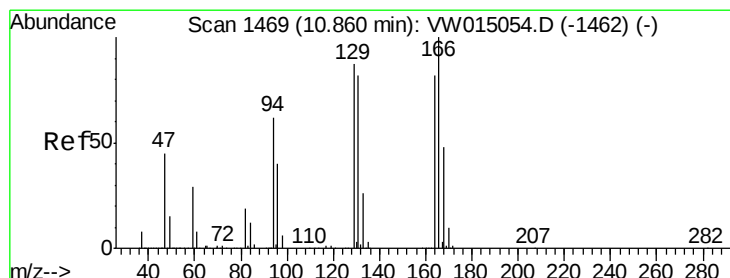
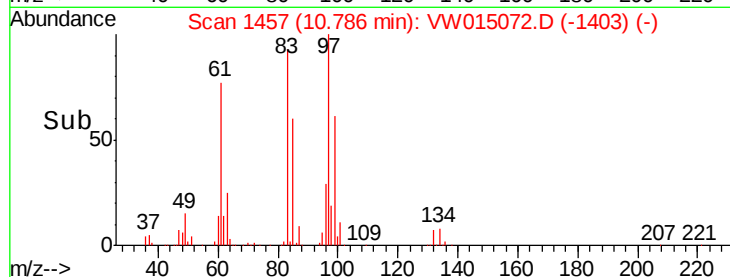
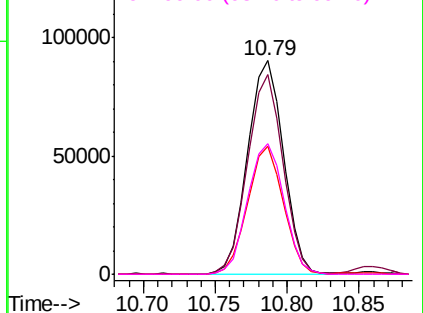
Abundance

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



#47

Tetrachloroethene

Concen: 23.590 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Tgt Ion: 164 Resp: 154163

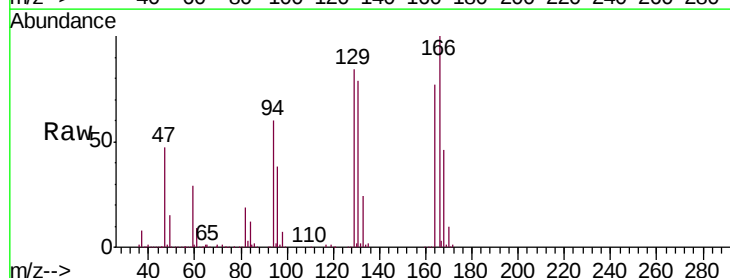
Ion Ratio Lower Upper

164 100

129 110.0 71.7 133.1

131 102.7 70.1 130.3

166 130.5 91.3 169.6



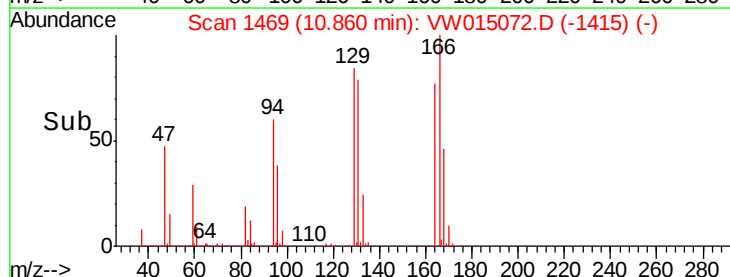
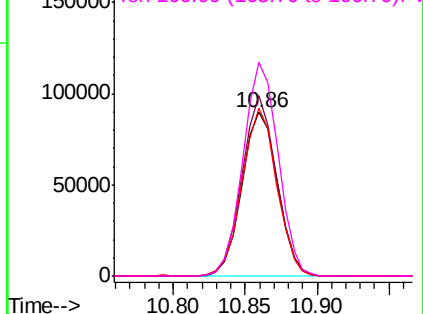
Abundance

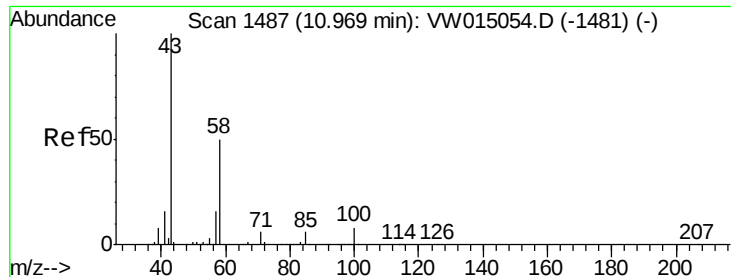
Ion 164.00 (163.70 to 164.70): V

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

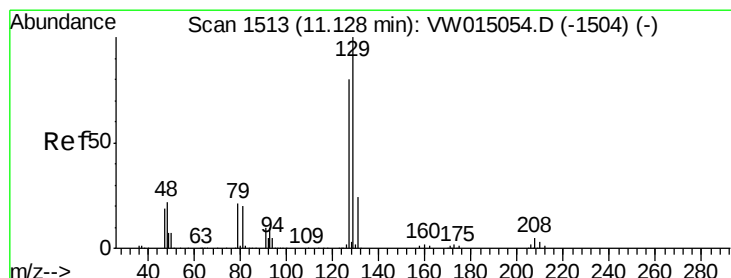
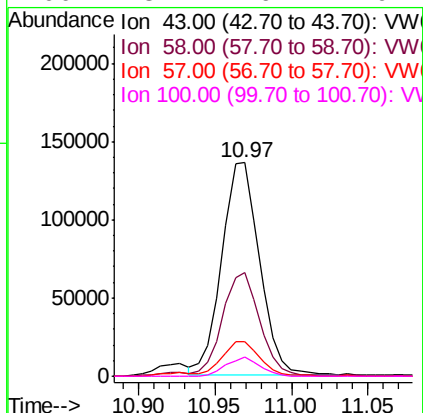
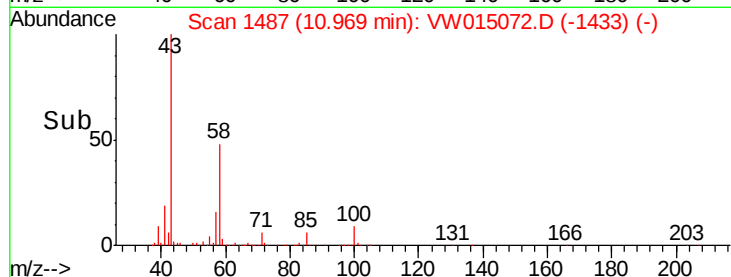
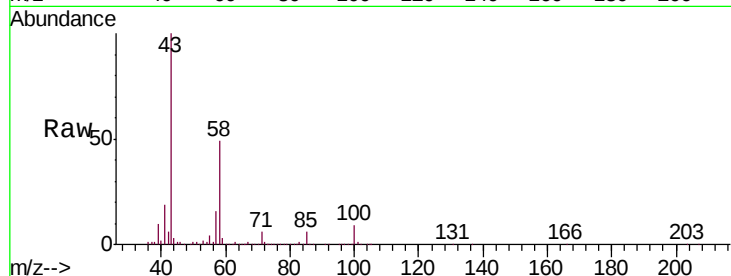




#49
2-Hexanone
Concen: 49.416 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

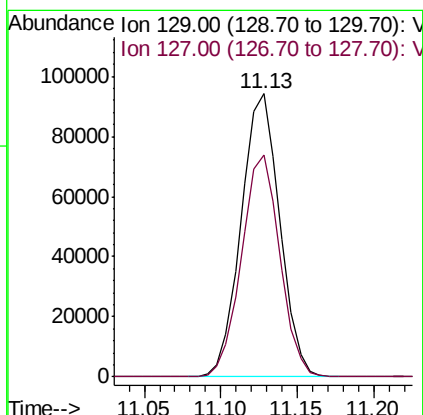
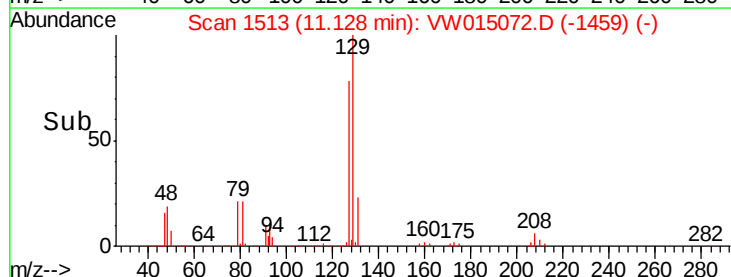
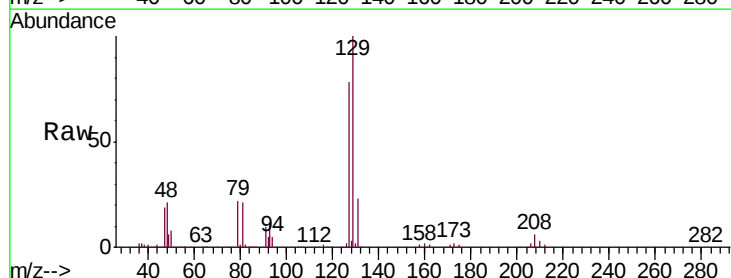
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

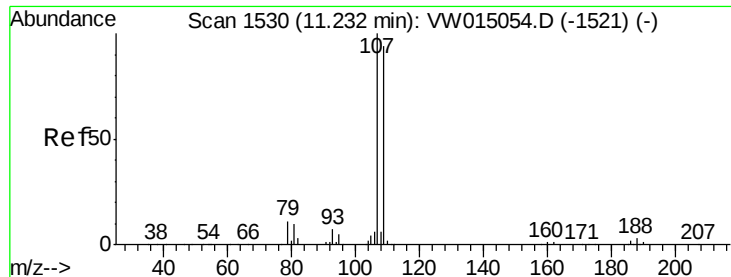
Tgt Ion:	43	Resp:	233275
Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.9	58.3
57	16.3	13.4	20.2
100	8.4	6.7	10.1



#50
Dibromochloromethane
Concen: 23.694 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Tgt Ion:	129	Resp:	165198
Ion	Ratio	Lower	Upper
129	100		
127	78.3	56.4	104.7

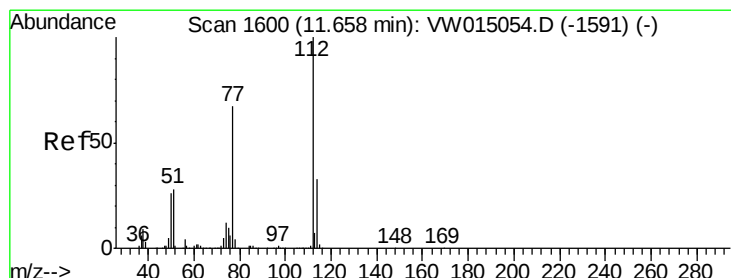
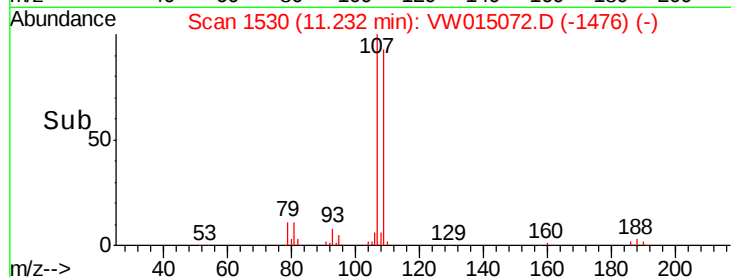
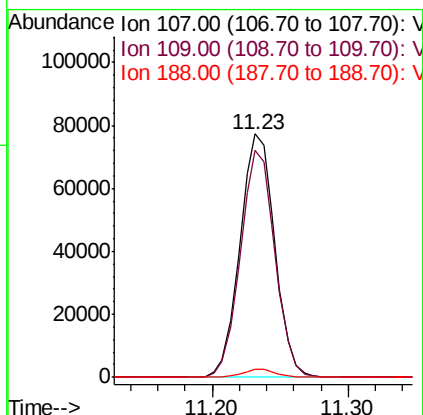
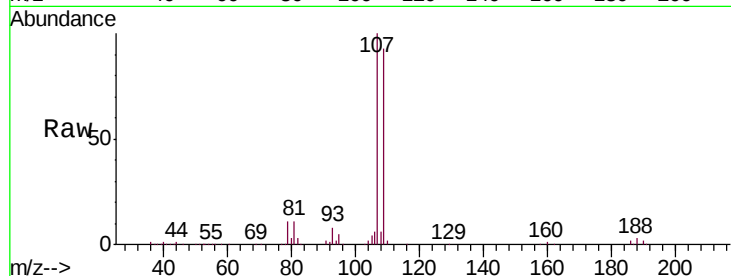




#51
 1,2-Dibromoethane
 Concen: 24.064 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

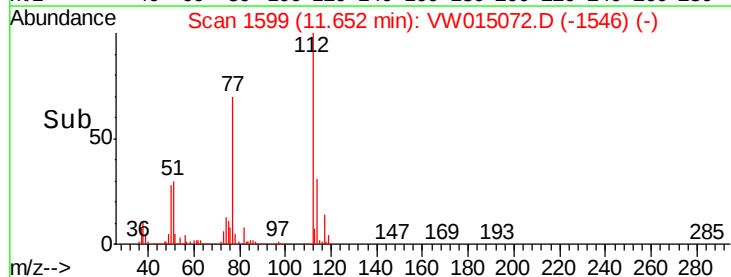
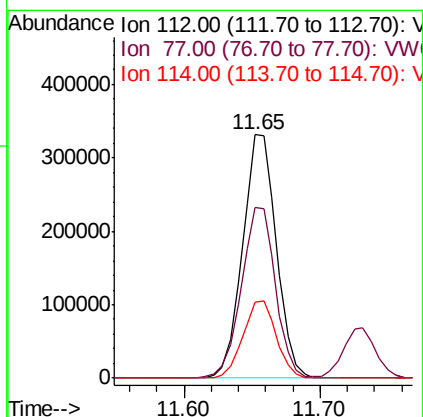
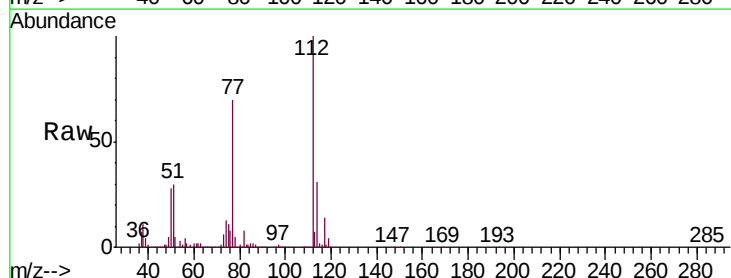
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

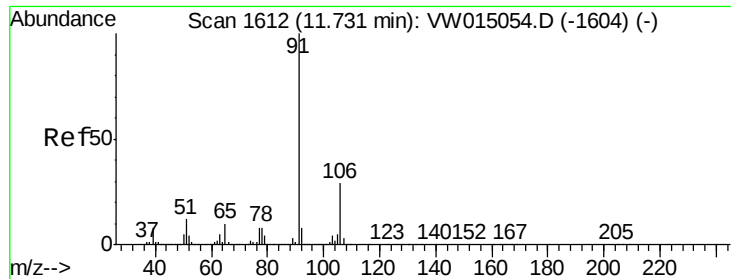
Tgt Ion:107 Resp: 137396
 Ion Ratio Lower Upper
 107 100
 109 93.3 61.9 114.9
 188 3.3 2.5 3.7



#52
 Chlorobenzene
 Concen: 23.950 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion:112 Resp: 573470
 Ion Ratio Lower Upper
 112 100
 77 70.1 57.0 85.6
 114 31.1 22.5 41.9





#53

Ethylbenzene

Concen: 25.726 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

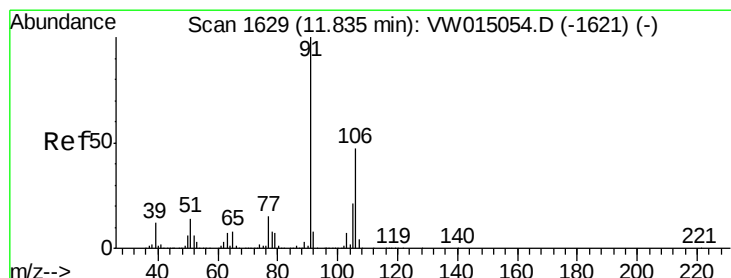
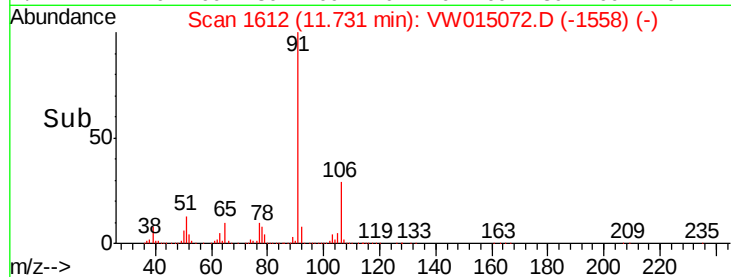
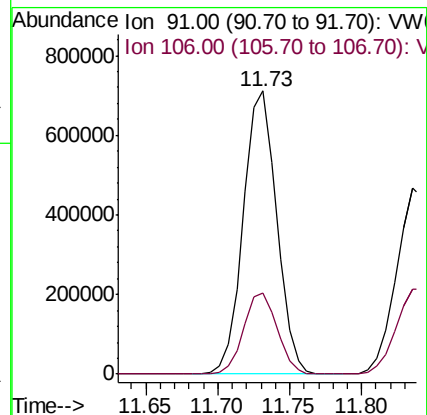
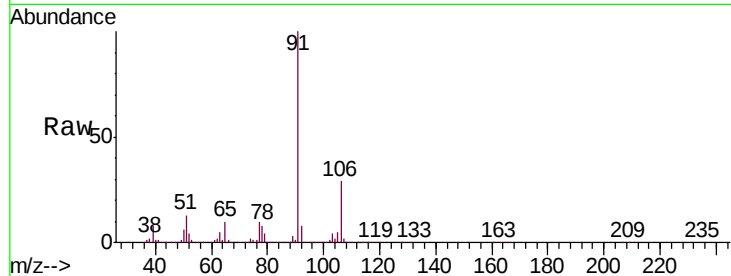
VSTD02509

Tgt Ion: 91 Resp: 1144082

Ion Ratio Lower Upper

91 100

106 28.6 20.1 37.3



#54

m,p-Xylene

Concen: 26.121 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015072.D

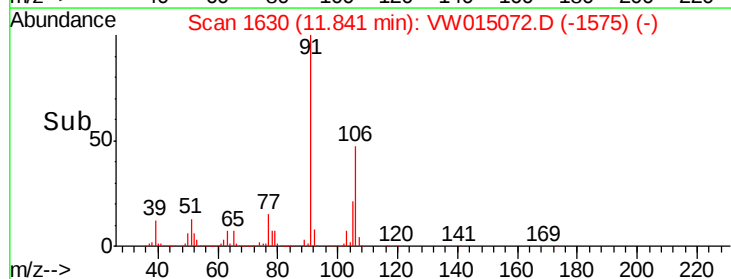
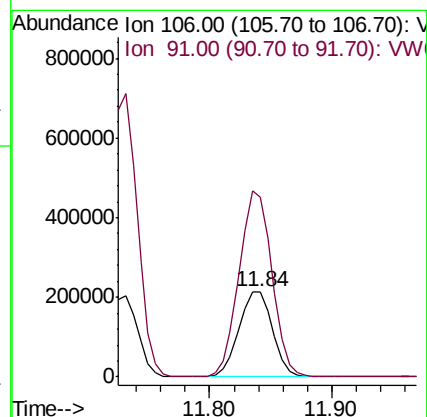
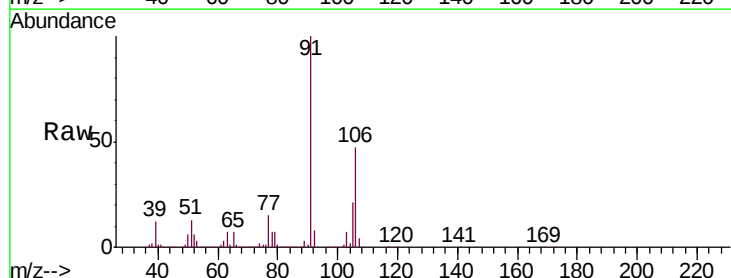
Acq: 27 Feb 2020 20:17

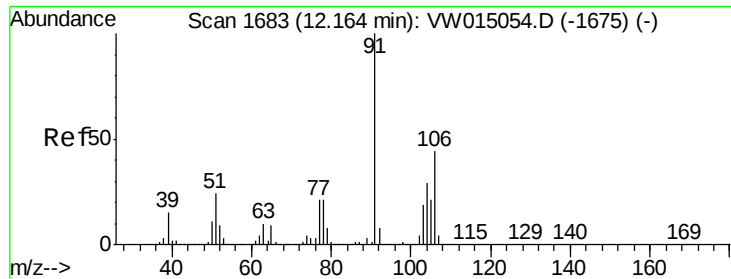
Tgt Ion: 106 Resp: 406425

Ion Ratio Lower Upper

106 100

91 210.7 151.4 281.2

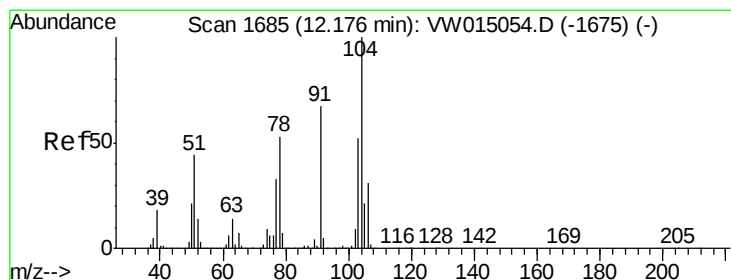
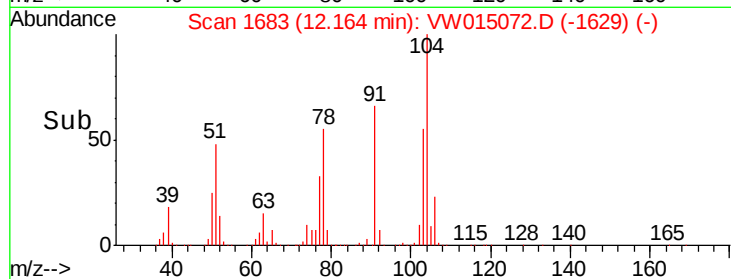
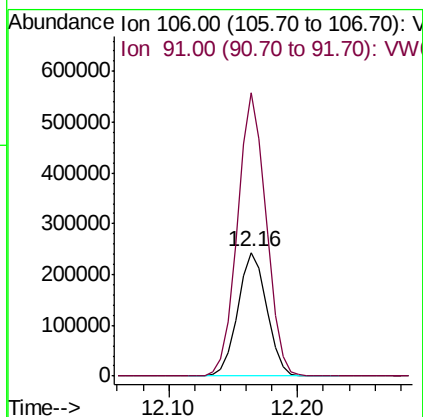
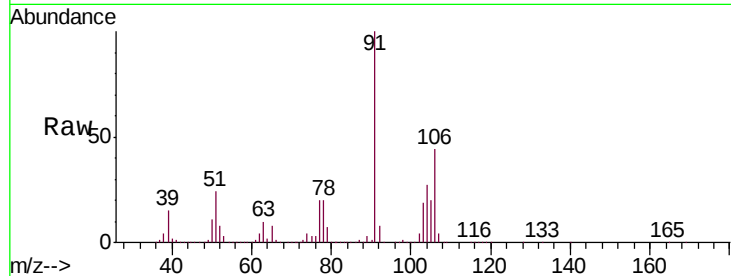




#55
o-xylene
Concen: 25.974 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

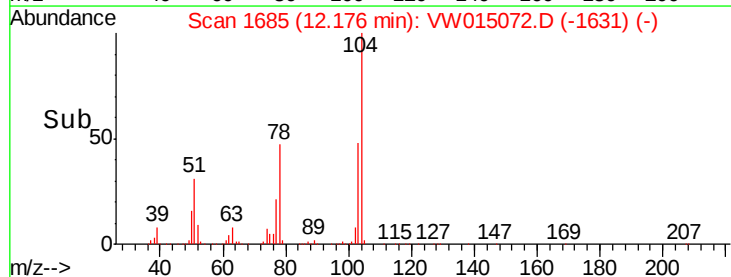
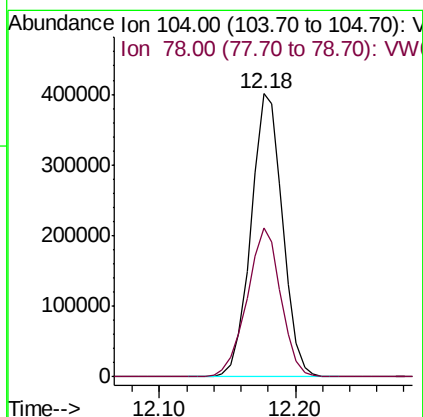
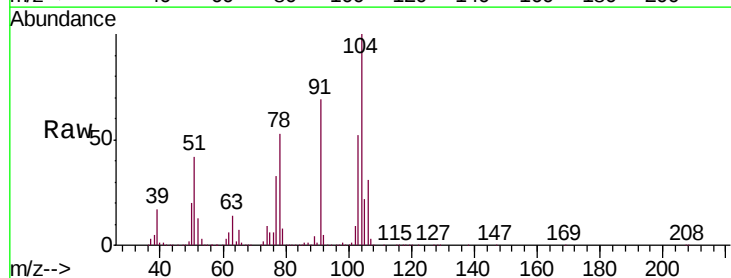
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

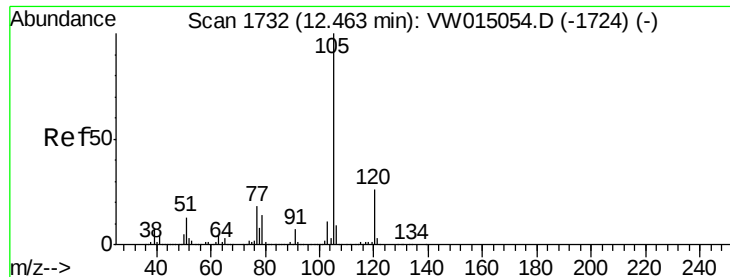
Tgt Ion:106 Resp: 376566
Ion Ratio Lower Upper
106 100
91 228.7 162.5 301.9



#56
Styrene
Concen: 26.301 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015072.D
Acq: 27 Feb 2020 20:17

Tgt Ion:104 Resp: 653077
Ion Ratio Lower Upper
104 100
78 52.8 35.6 66.0





#57

Isopropylbenzene

Concen: 26.416 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

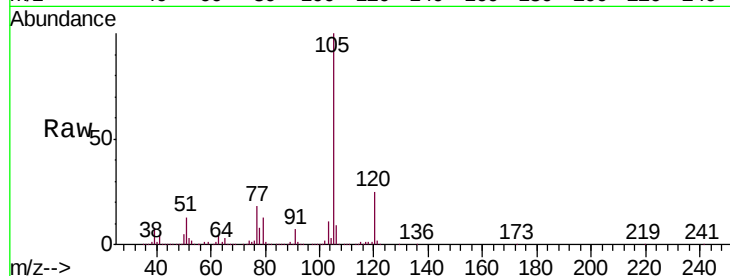
Tgt Ion:105 Resp: 1042968

Ion Ratio Lower Upper

105 100

120 24.7 19.8 29.8

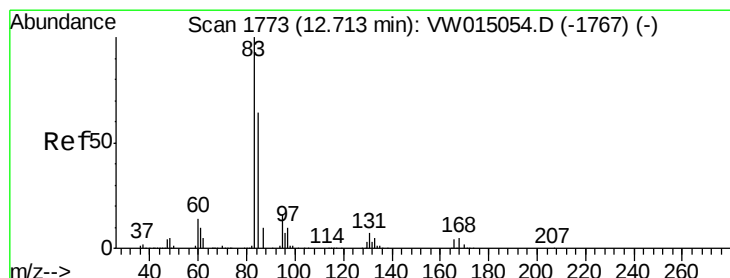
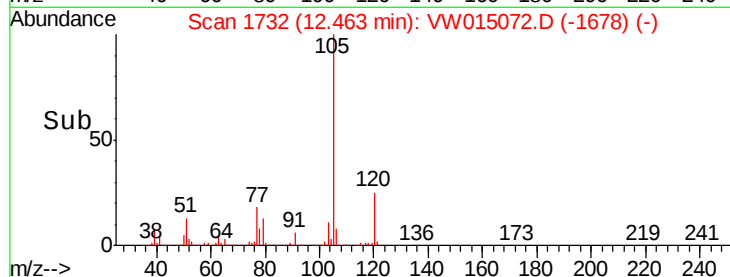
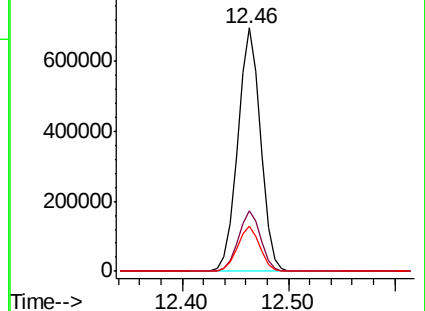
77 18.2 14.4 21.6



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: 24.014 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

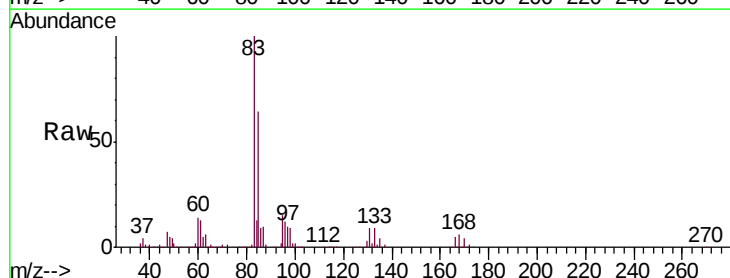
Tgt Ion: 83 Resp: 198498

Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.0

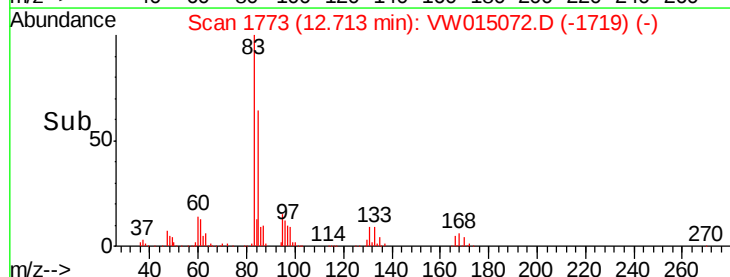
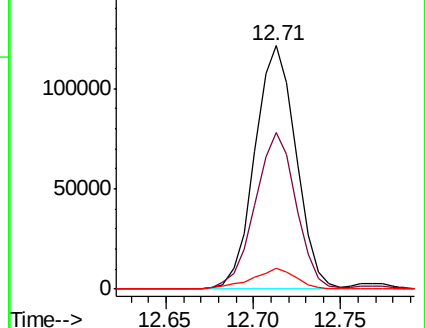
131 8.6 6.3 9.5

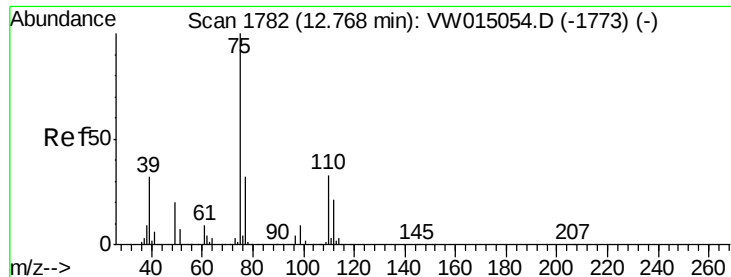


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.217 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

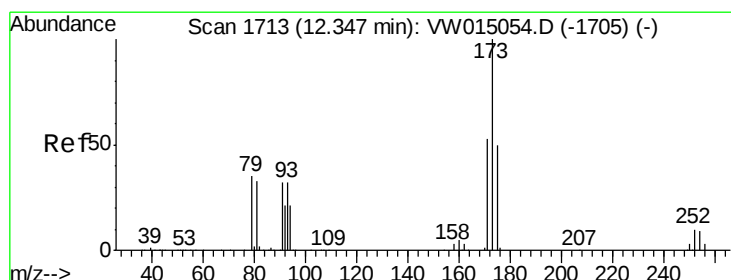
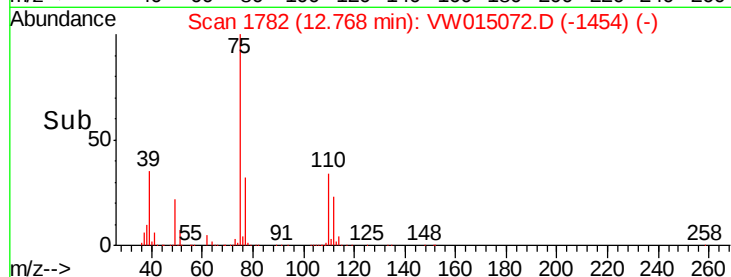
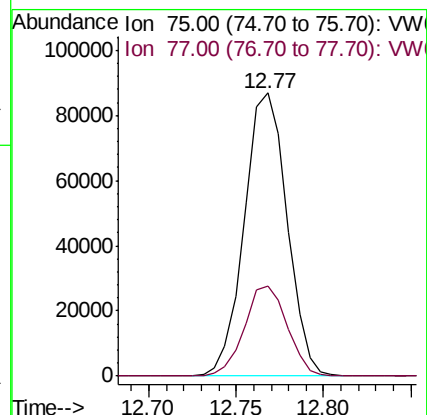
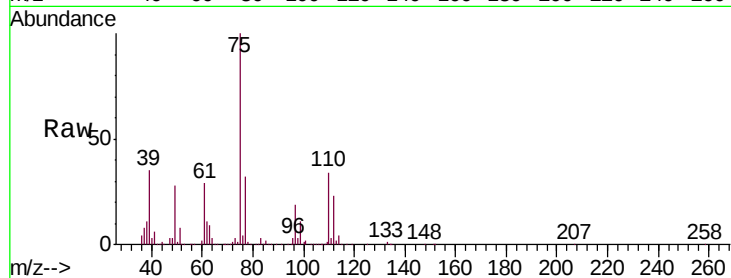
VSTD02509

Tgt Ion: 75 Resp: 147507

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#62

Bromoform

Concen: 22.146 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

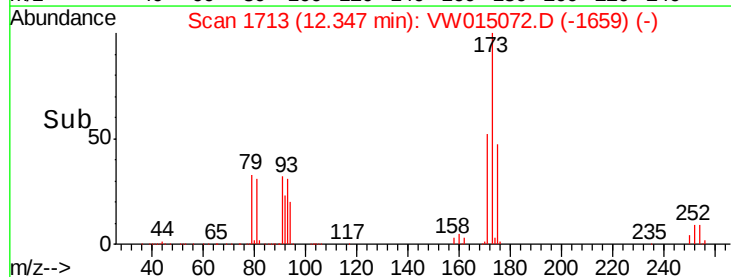
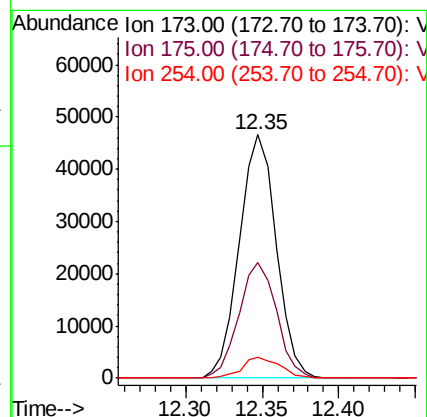
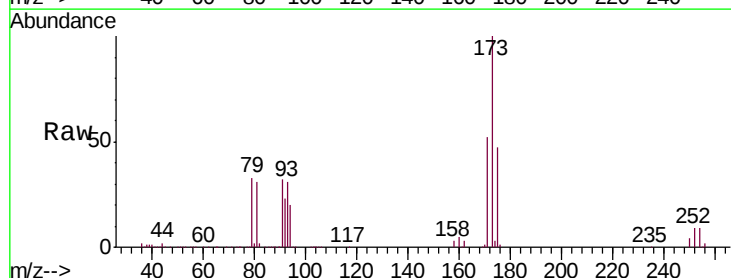
Tgt Ion: 173 Resp: 78476

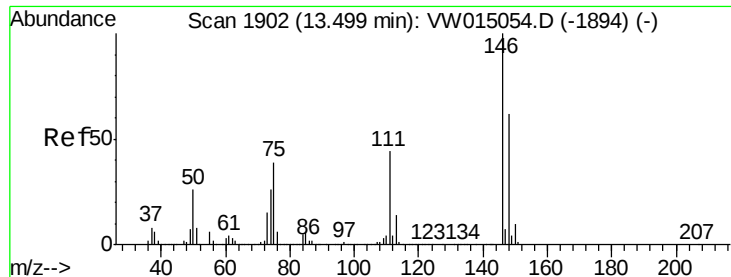
Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

254 8.8 7.0 10.4

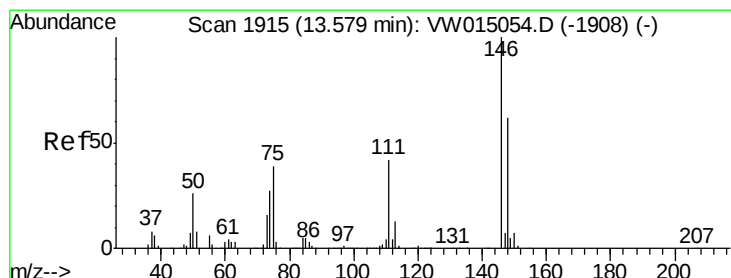
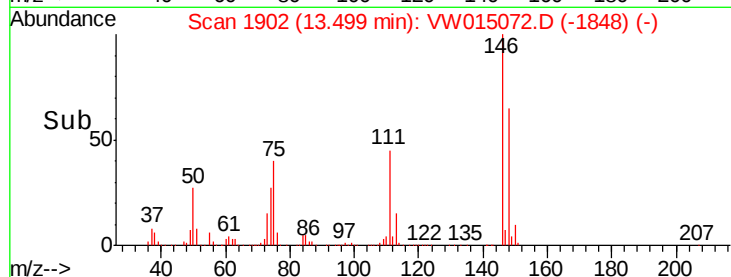
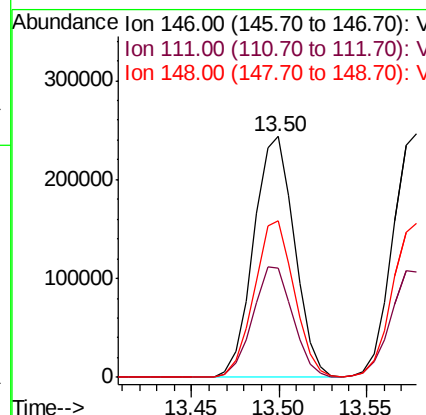
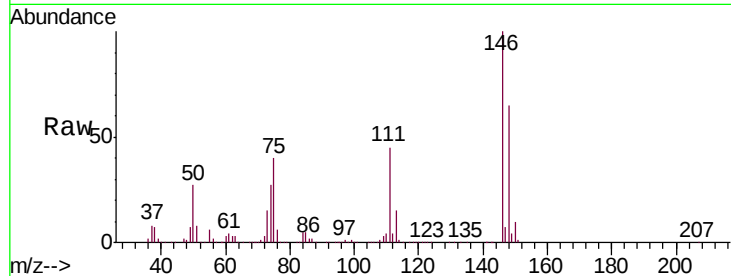




#63
 1,3-Dichlorobenzene
 Concen: 24.043 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

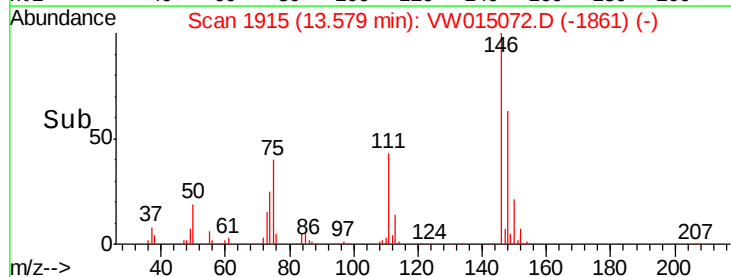
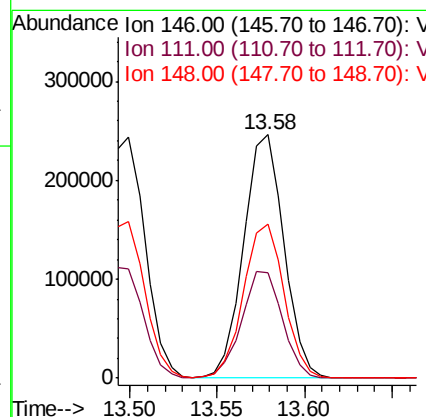
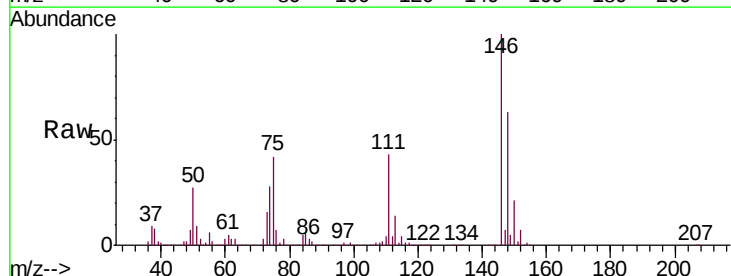
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

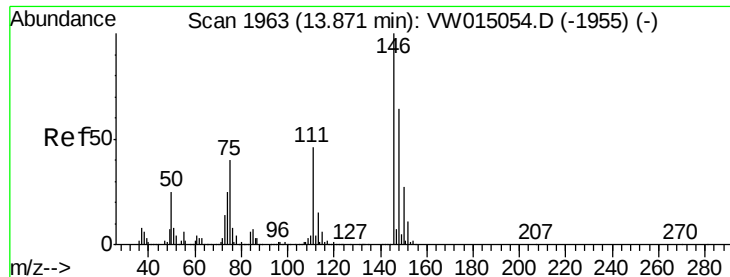
Tgt Ion:146 Resp: 395428
 Ion Ratio Lower Upper
 146 100
 111 45.1 30.9 57.3
 148 65.2 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 23.355 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion:146 Resp: 395497
 Ion Ratio Lower Upper
 146 100
 111 43.1 29.9 55.5
 148 63.5 46.1 85.5

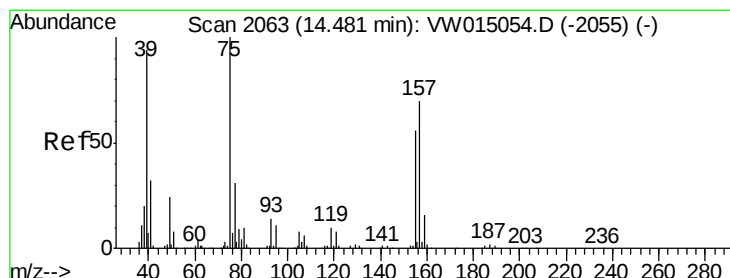
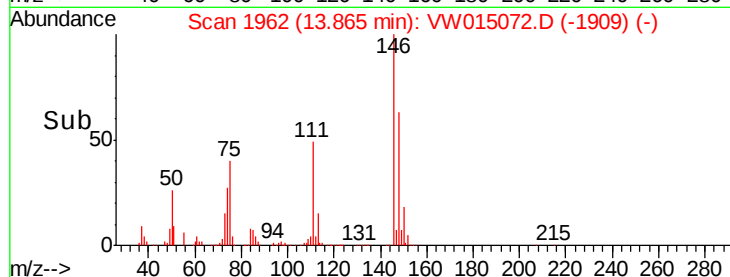
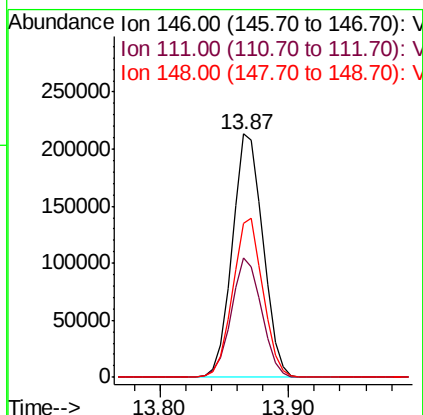
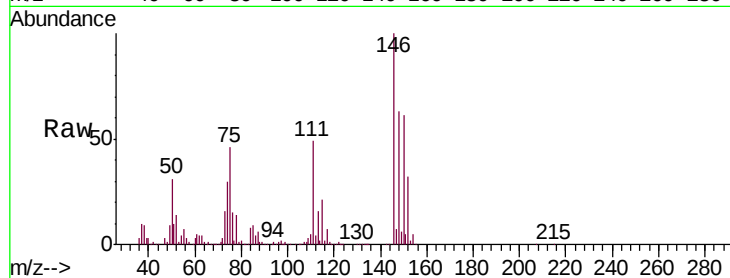




#65
 1,2-Dichlorobenzene
 Concen: 23.716 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

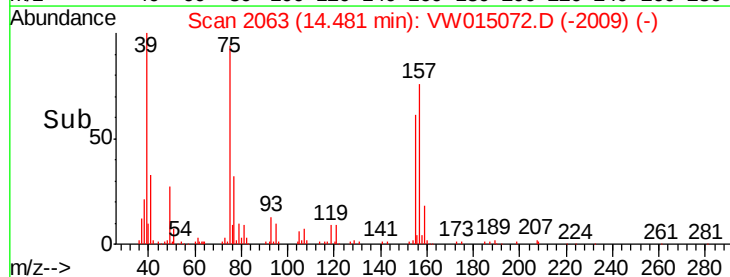
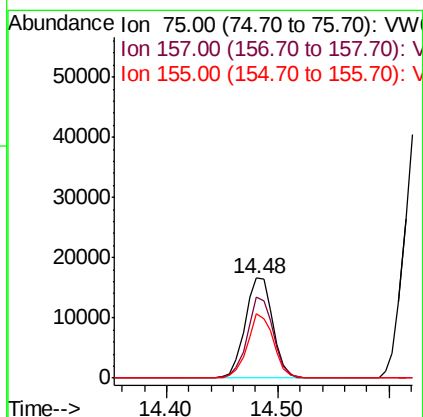
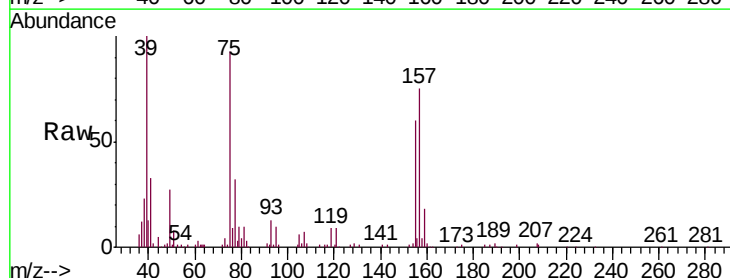
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02509

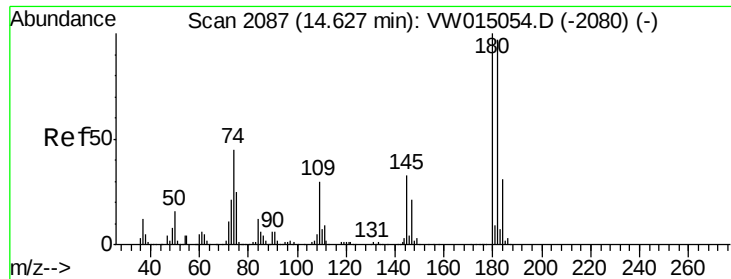
Tgt Ion:146 Resp: 353258
 Ion Ratio Lower Upper
 146 100
 111 49.0 37.7 56.5
 148 63.5 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.915 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion: 75 Resp: 28819
 Ion Ratio Lower Upper
 75 100
 157 80.8 61.4 92.0
 155 64.8 45.0 67.6

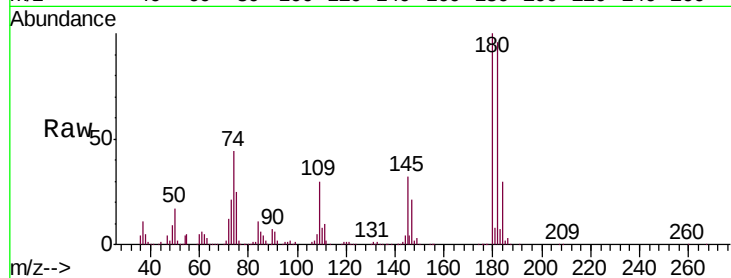




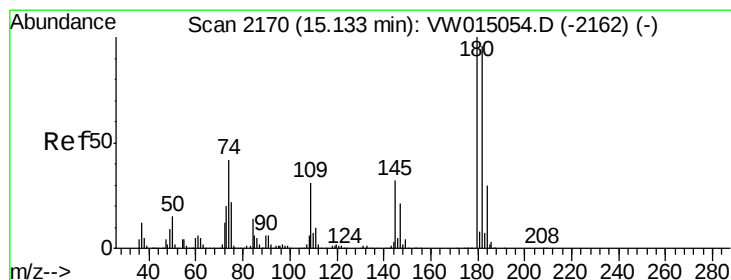
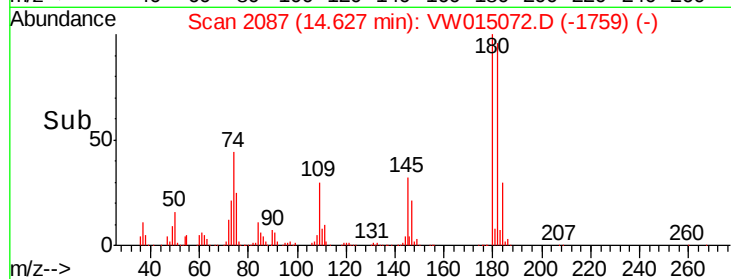
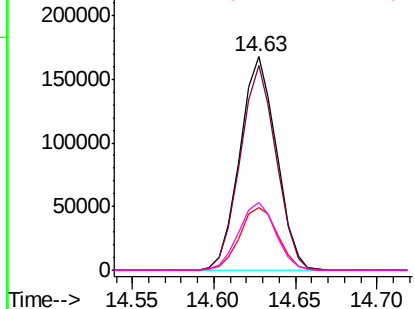
#67
 1,3,5-Trichlorobenzene
 Concen: 23.776 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:180 Resp: 262224
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.0
 184 30.4 23.9 35.9
 145 32.3 25.4 38.2

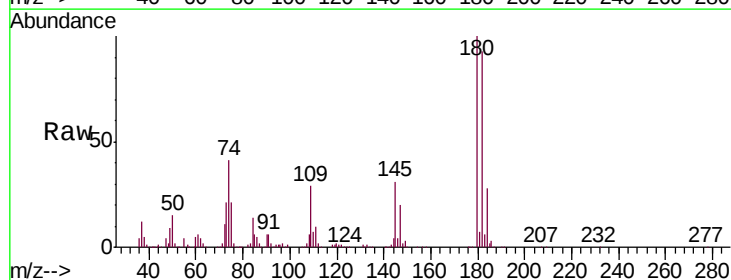


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

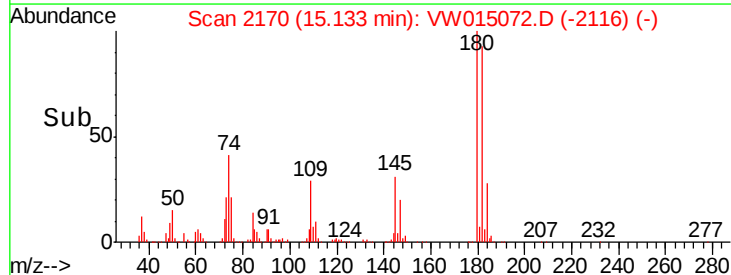
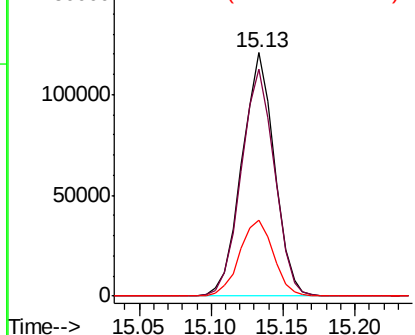


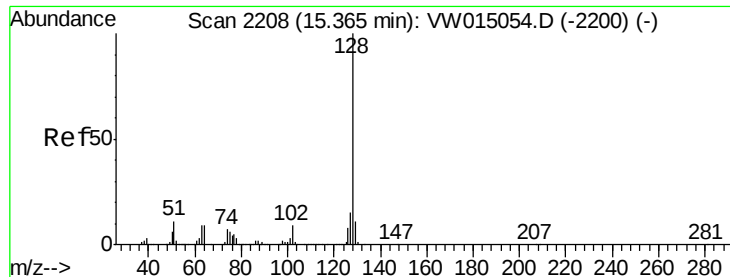
#68
 1,2,4-trichlorobenzene
 Concen: 23.442 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015072.D
 Acq: 27 Feb 2020 20:17

Tgt Ion:180 Resp: 188957
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.7 113.5
 145 32.5 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: 22.461 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

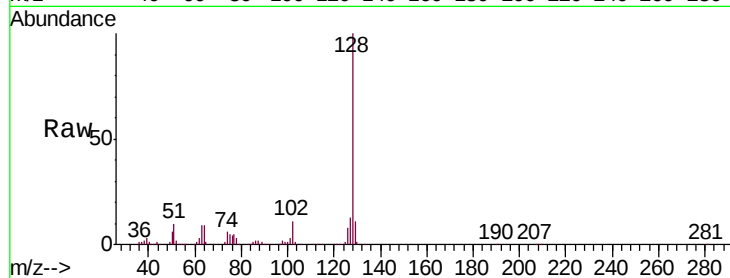
Tgt Ion:128 Resp: 160725

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.2 11.1 16.7

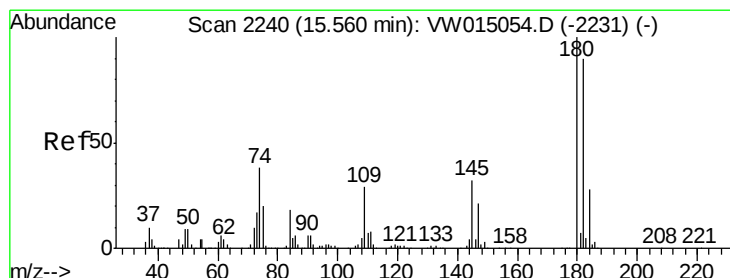
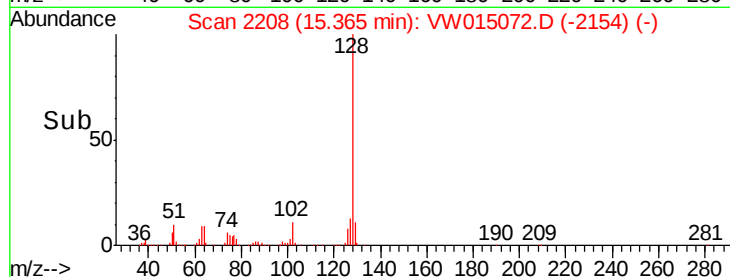
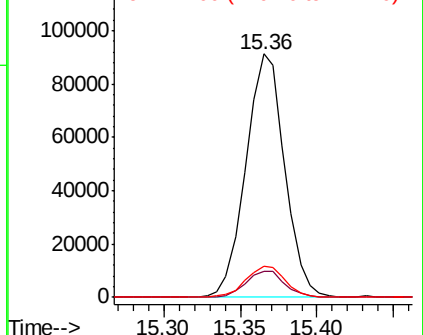


Abundance

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: 23.858 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015072.D

Acq: 27 Feb 2020 20:17

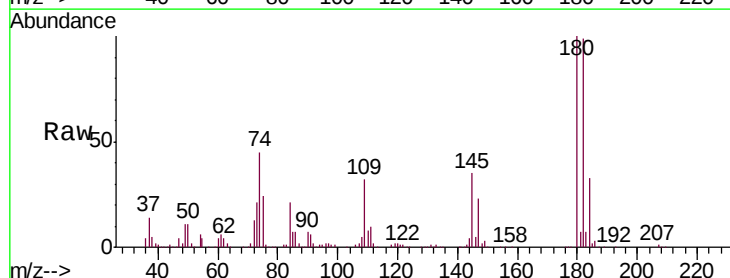
Tgt Ion:180 Resp: 172611

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 34.8 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

