

Data File : VW010994.D
Acq On : 26 Jun 2019 09:04
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Quant Time: Jun 27 07:30:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 04:33:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	361738	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321974	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	157942	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119820	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.20%
7) Chloroethane-d5	2.88	69	90925	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
10) 1,1-Dichloroethene-d2	4.02	63	282407	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.92%
20) 2-Butanone-d5	7.07	46	123274	55.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.96%
24) Chloroform-d	7.64	84	246495	25.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.08%
26) 1,2-Dichloroethane-d4	8.30	65	152452	25.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.84%
29) Benzene-d6	8.27	84	497667	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
33) 1,2-Dichloropropane-d6	9.27	67	164071	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.76%
37) Toluene-d8	10.32	98	448677	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.88%
38) trans-1,3-Dichloropropene-	10.58	79	69682	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
39) 2-Hexanone-d5	10.92	63	78202	54.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142124	27.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	150604	25.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	128442	25.260 ug/L	98
3) Chloromethane	2.21	50	127868	23.652 ug/L	100
5) Vinyl chloride	2.36	62	174758	27.036 ug/L	99
6) Bromomethane	2.78	94	80495	25.229 ug/L	100
8) Chloroethane	2.92	64	88991	25.996 ug/L	99
9) Trichlorofluoromethane	3.25	101	58178	26.652 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131767	25.974 ug/L	98
12) 1,1-Dichloroethene	4.04	96	130747	25.821 ug/L	93
13) Acetone	4.12	43	123546	58.591 ug/L	98
14) Carbon disulfide	4.38	76	373664	24.925 ug/L	100
15) Methyl Acetate	4.67	43	96266	26.374 ug/L	100
16) Methylene chloride	4.92	84	134945	25.188 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	193635	24.424 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	126507	24.846 ug/L	97
19) 1,1-Dichloroethane	6.21	63	259075	24.913 ug/L	99
21) 2-Butanone	7.16	43	153650	55.407 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	136801	24.971 ug/L	98

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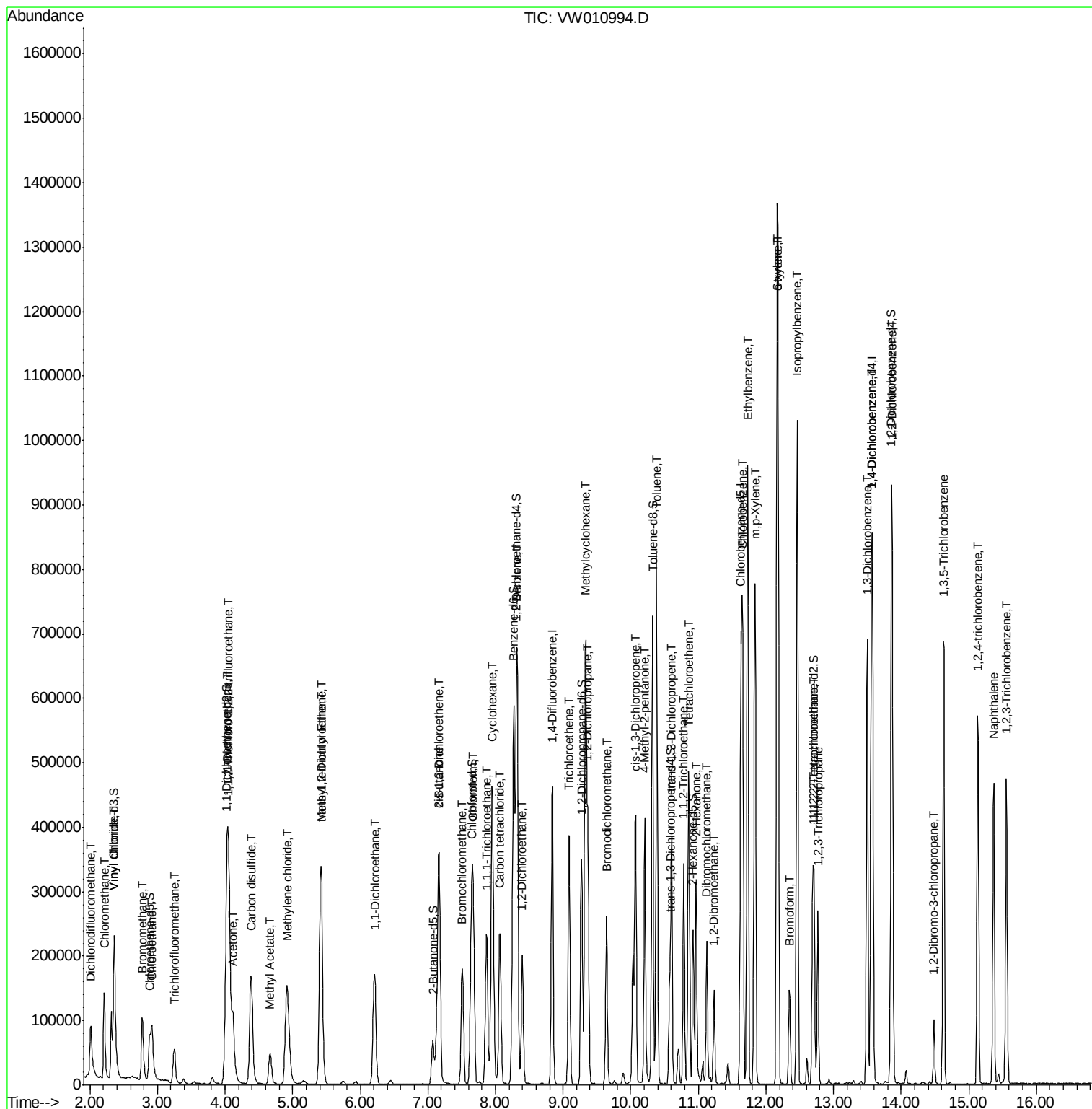
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56993	24.460	ug/L	95
25) Chloroform	7.67	83	237472	24.889	ug/L	99
27) 1,2-Dichloroethane	8.40	62	185208	24.772	ug/L	99
30) Cyclohexane	7.95	56	273425	25.681	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180853	25.827	ug/L	98
32) Carbon tetrachloride	8.06	117	172993	26.155	ug/L	99
34) Benzene	8.32	78	543832	25.703	ug/L	100
35) Trichloroethene	9.09	95	137092	25.550	ug/L	99
36) Methylcyclohexane	9.34	83	253232	25.713	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148024	25.418	ug/L	100
41) Bromodichloromethane	9.64	83	170736	24.983	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	224297	25.038	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	285741	52.874	ug/L	99
44) Toluene	10.38	91	566426	25.602	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	186225	25.147	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101992	25.555	ug/L	99
47) Tetrachloroethene	10.86	164	103082	25.332	ug/L	96
49) 2-Hexanone	10.97	43	212790	55.346	ug/L	100
50) Dibromochloromethane	11.13	129	109793	24.984	ug/L	96
51) 1,2-Dibromoethane	11.23	107	97922	25.371	ug/L	99
52) Chlorobenzene	11.66	112	337479	25.349	ug/L	98
53) Ethylbenzene	11.73	91	637869	25.591	ug/L	99
54) m,p-Xylene	11.84	106	233931	25.864	ug/L	99
55) o-xylene	12.16	106	221761	25.551	ug/L	98
56) Styrene	12.18	104	384587	25.696	ug/L	97
57) Isopropylbenzene	12.46	105	613593	26.059	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	138036	26.452	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	106545	26.296	ug/L	100
62) Bromoform	12.35	173	62399	24.683	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	258904	25.179	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	258691	25.045	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	238142	25.040	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24481	25.157	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	199273	25.461	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	170751	25.742	ug/L	99
69) Naphthalene	15.37	128	376111	26.571	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	155813	25.860	ug/L	100

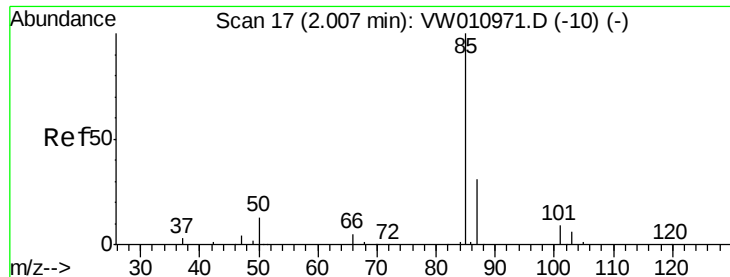
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.260 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

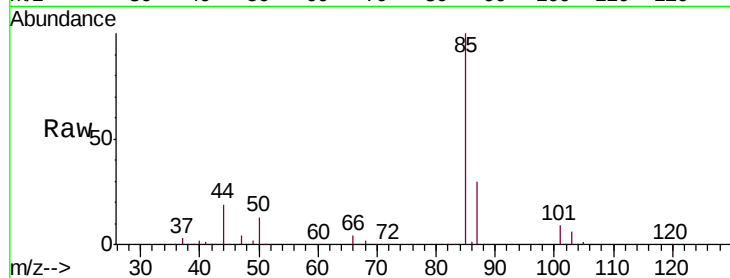
VSTD02509

Tgt Ion: 85 Resp: 128442

Ion Ratio Lower Upper

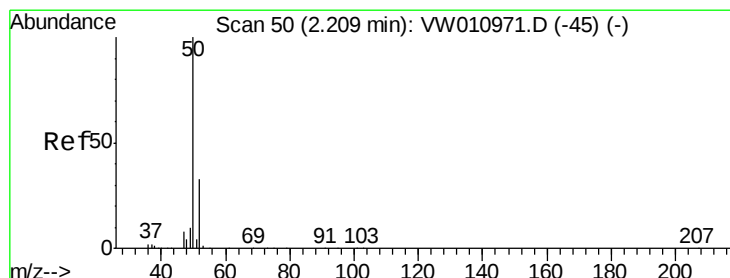
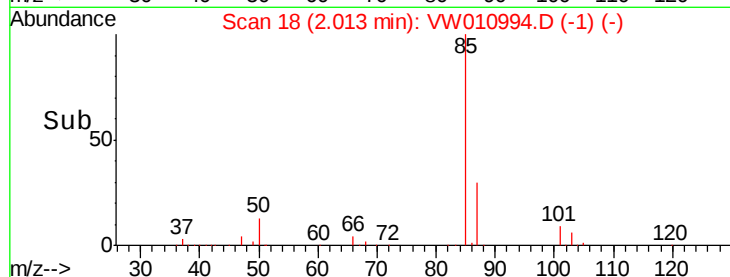
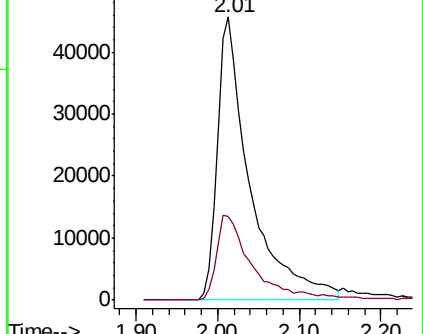
85 100

87 30.1 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.652 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010994.D

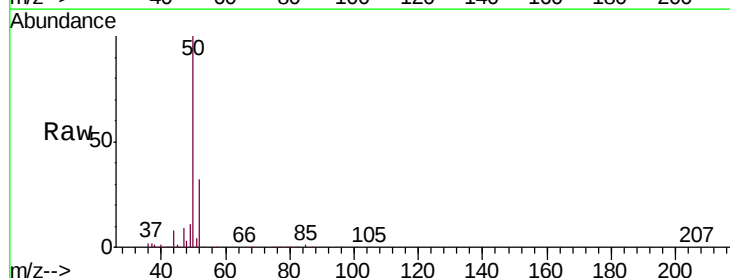
Acq: 26 Jun 2019 09:04

Tgt Ion: 50 Resp: 127868

Ion Ratio Lower Upper

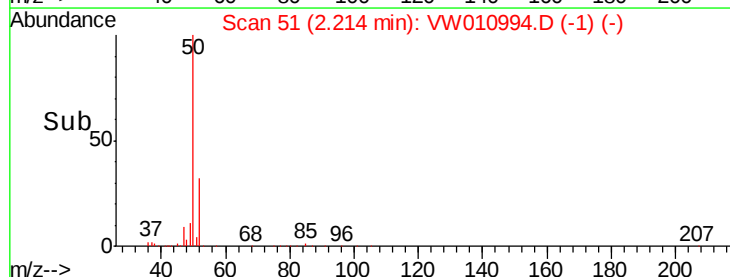
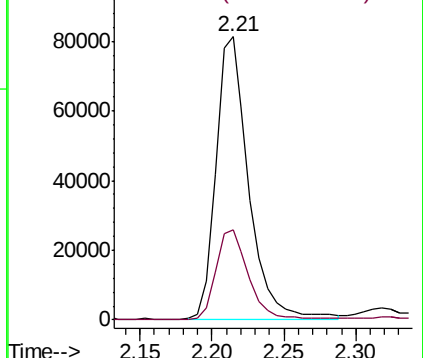
50 100

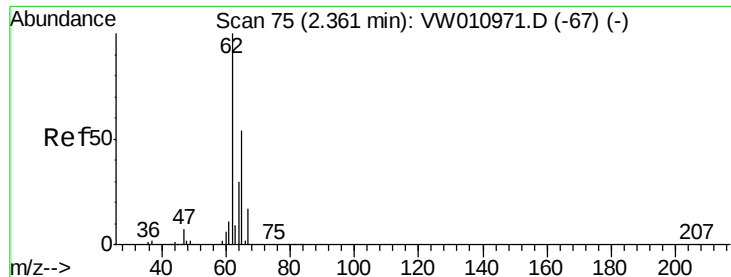
52 31.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.036 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

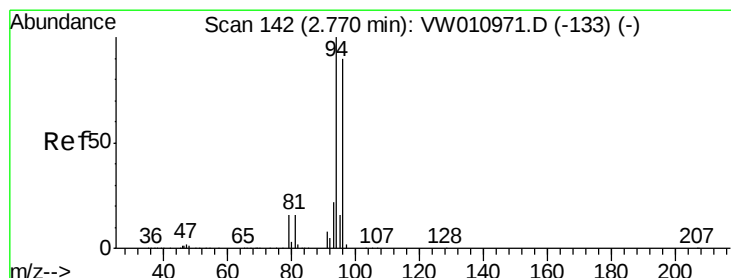
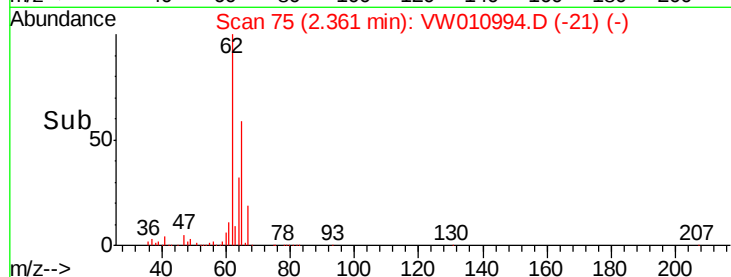
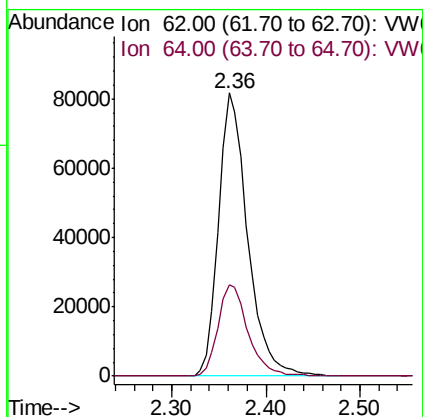
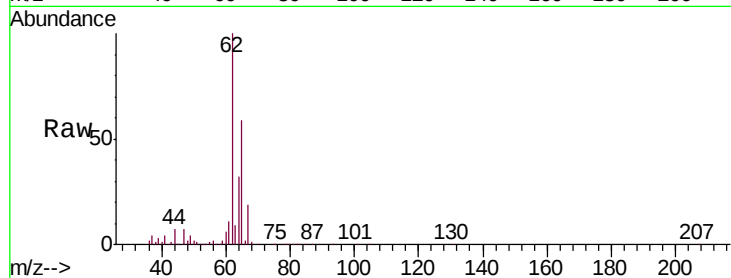
VSTD02509

Tgt Ion: 62 Resp: 174758

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#6

Bromomethane

Concen: 25.229 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW010994.D

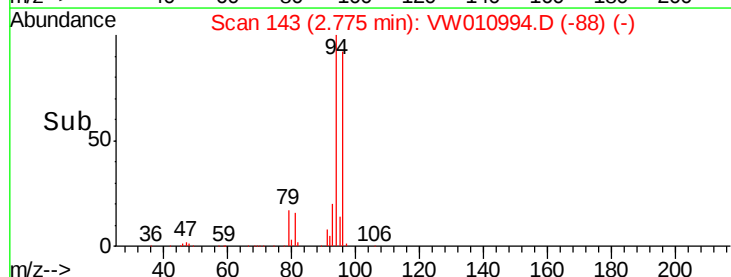
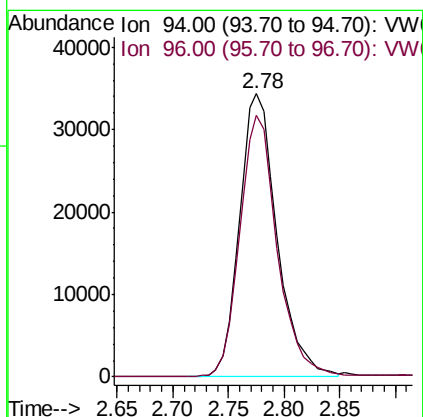
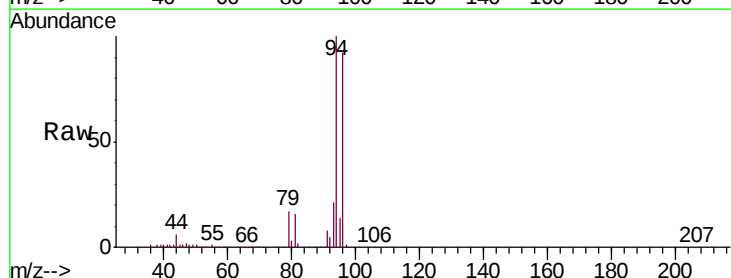
Acq: 26 Jun 2019 09:04

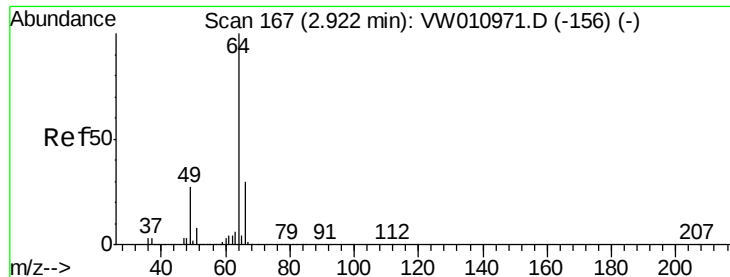
Tgt Ion: 94 Resp: 80495

Ion Ratio Lower Upper

94 100

96 92.1 9.2 175.8





#8

Chloroethane

Concen: 25.996 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

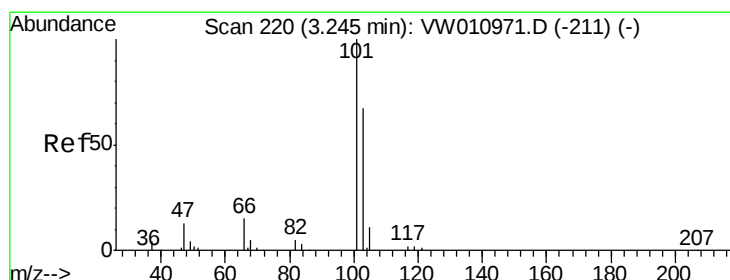
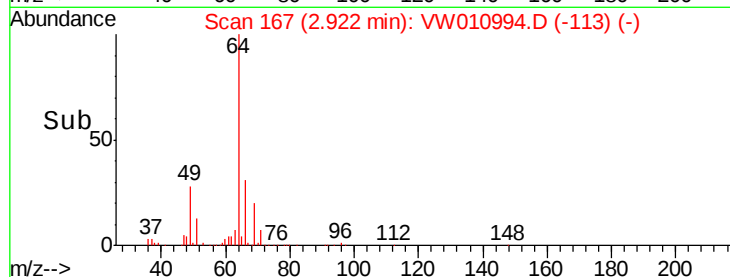
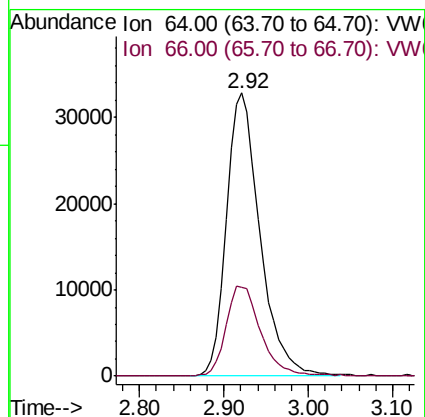
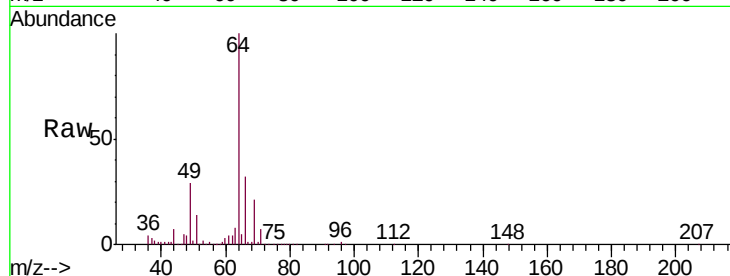
VSTD02509

Tgt Ion: 64 Resp: 88991

Ion Ratio Lower Upper

64 100

66 31.5 21.8 40.4



#9

Trichlorofluoromethane

Concen: 26.652 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW010994.D

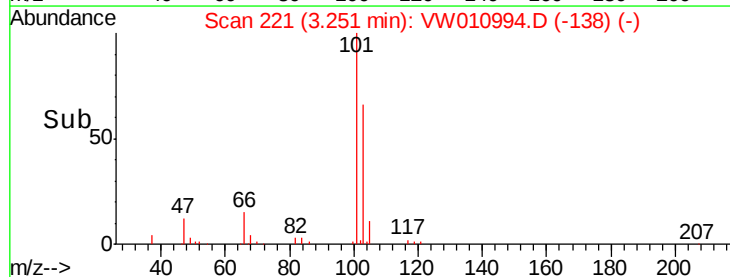
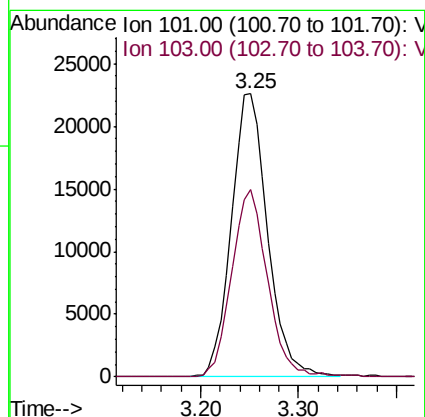
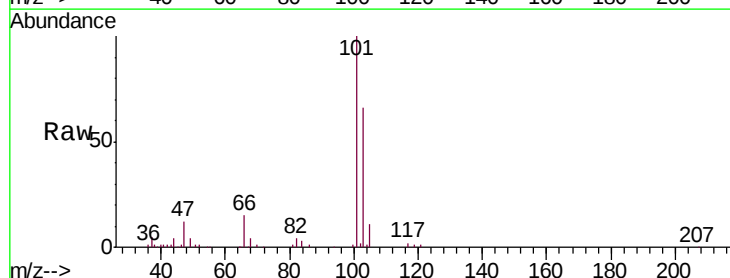
Acq: 26 Jun 2019 09:04

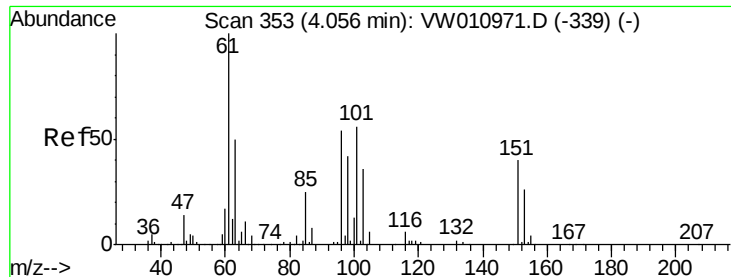
Tgt Ion: 101 Resp: 58178

Ion Ratio Lower Upper

101 100

103 64.7 46.4 86.2





#11

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

Concen: 25.974 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

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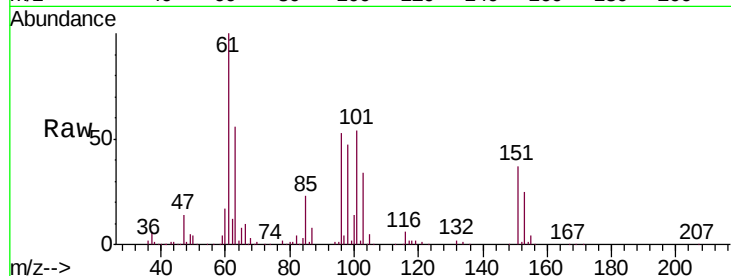
Tgt Ion: 101 Resp: 131767

Ion Ratio Lower Upper

101 100

85 42.7 35.8 53.8

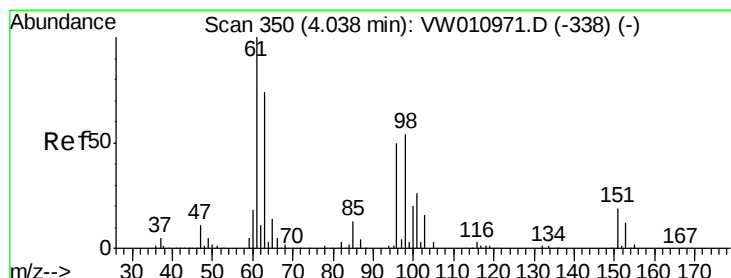
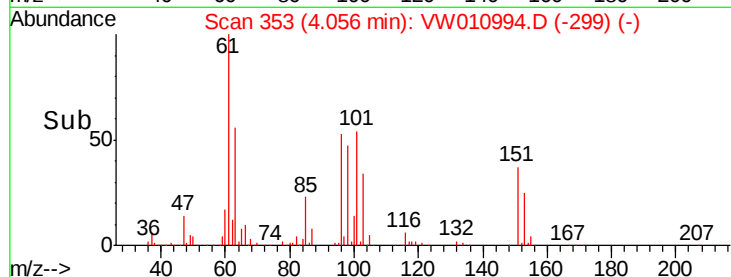
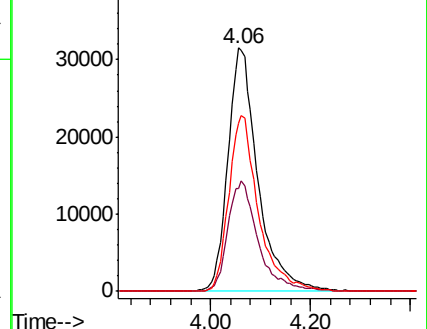
151 71.5 56.9 85.3



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: 25.821 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

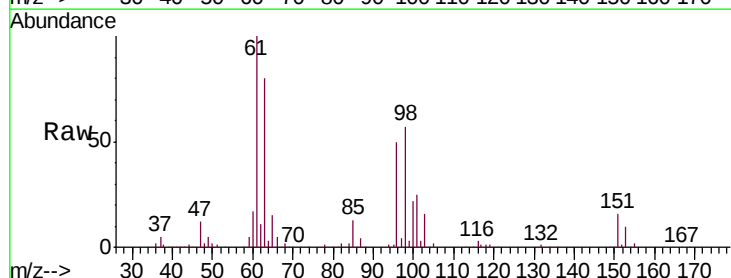
Tgt Ion: 96 Resp: 130747

Ion Ratio Lower Upper

96 100

61 201.5 144.5 268.3

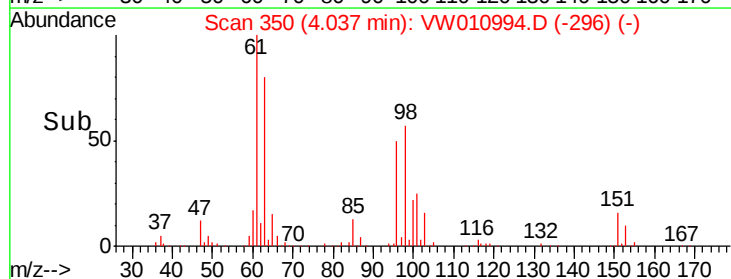
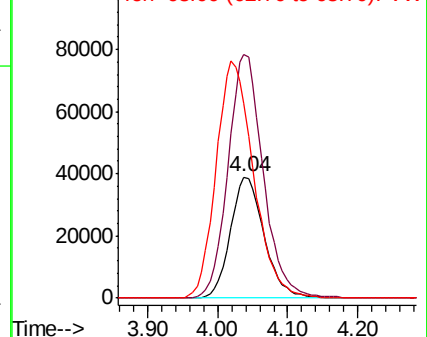
63 161.6 102.3 189.9

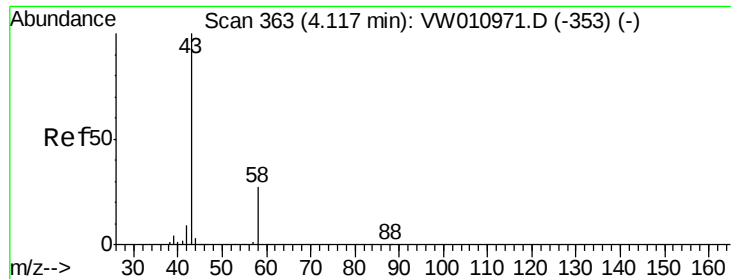


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

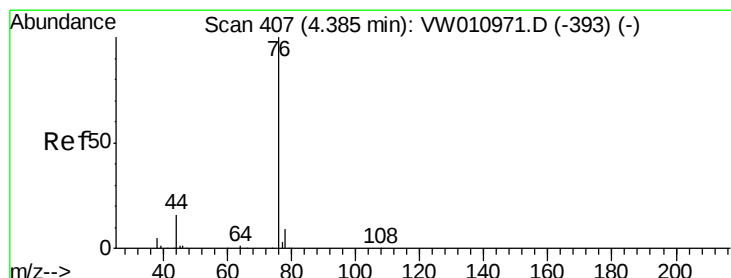
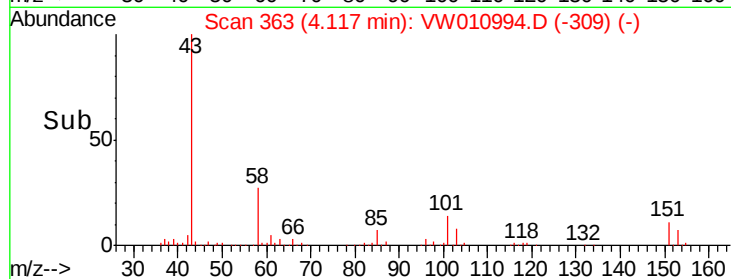
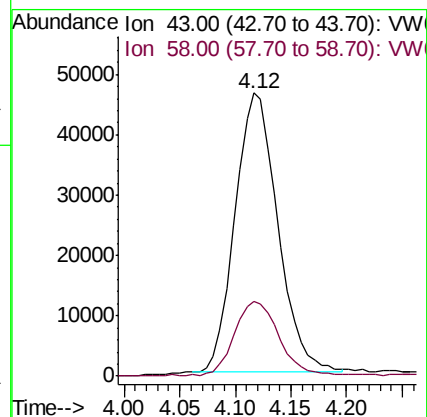
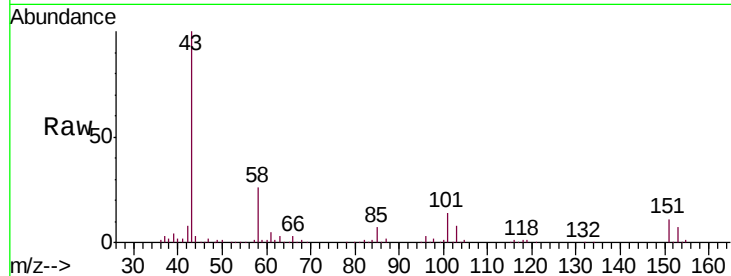




#13
Acetone
Concen: 58.591 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

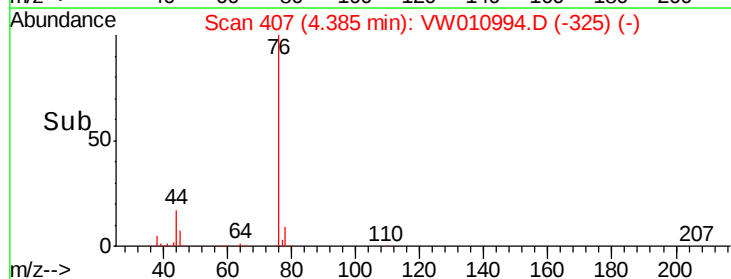
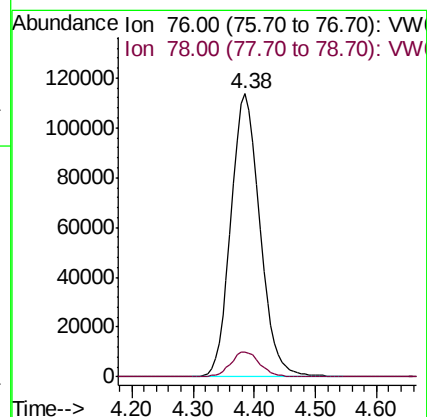
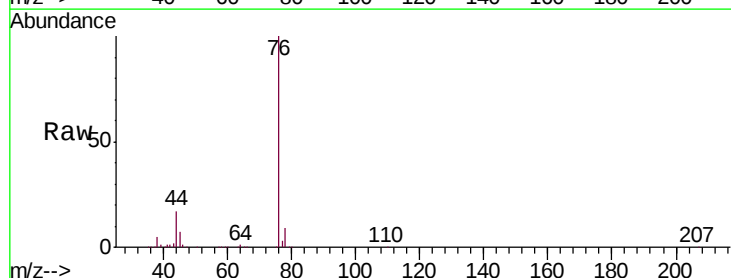
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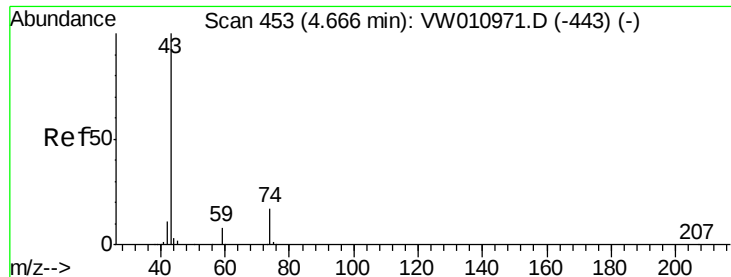
Tgt Ion: 43 Resp: 123546
Ion Ratio Lower Upper
43 100
58 27.9 0.0 53.2



#14
Carbon disulfide
Concen: 24.925 ug/L
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion: 76 Resp: 373664
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

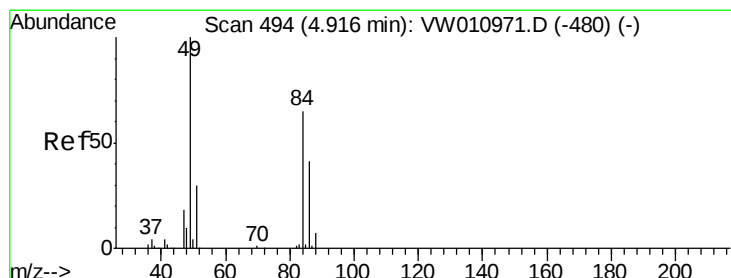
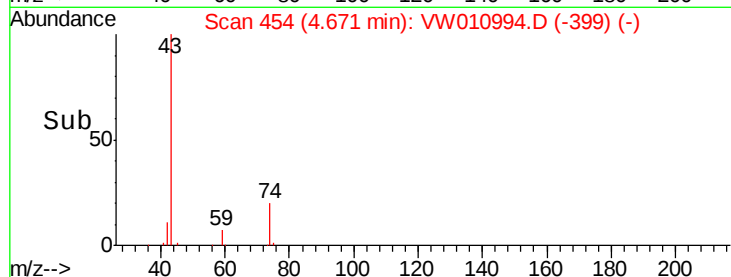
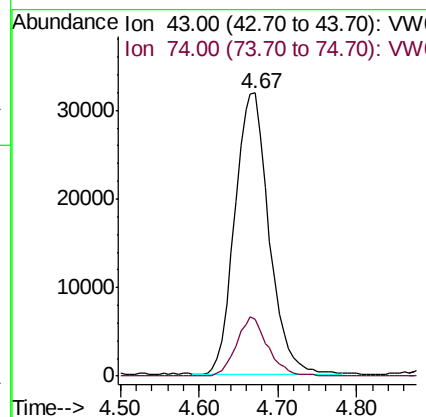
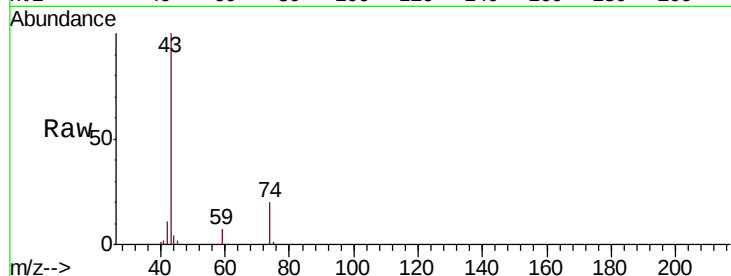




#15
Methyl Acetate
Concen: 26.374 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

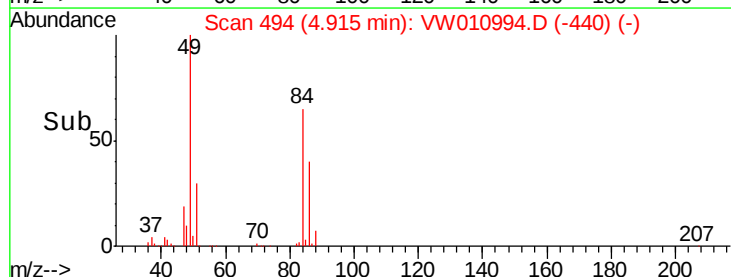
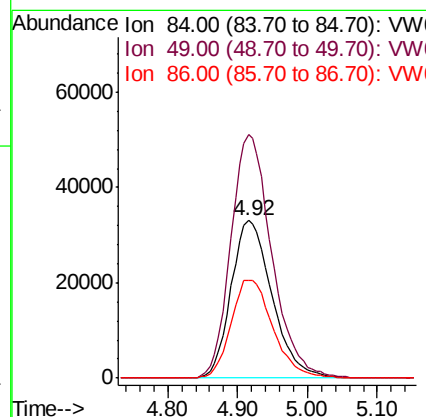
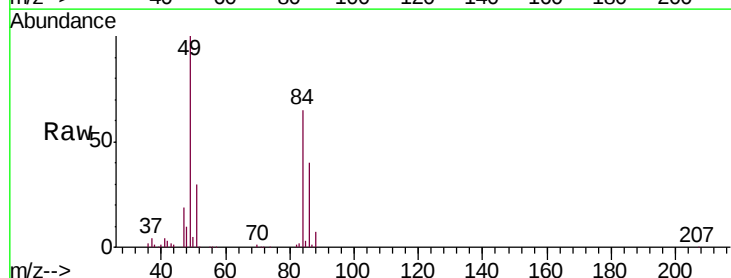
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

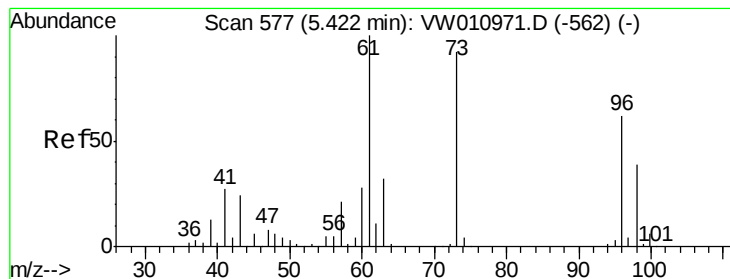
Tgt Ion: 43 Resp: 96266
Ion Ratio Lower Upper
43 100
74 19.3 15.3 22.9



#16
Methylene chloride
Concen: 25.188 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion: 84 Resp: 134945
Ion Ratio Lower Upper
84 100
49 154.5 107.0 198.8
86 61.8 44.4 82.5





#17

Methyl tert-butyl Ether

Concen: 24.424 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

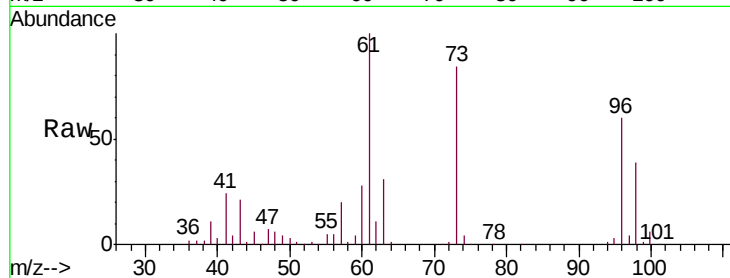
Tgt Ion: 73 Resp: 193635

Ion Ratio Lower Upper

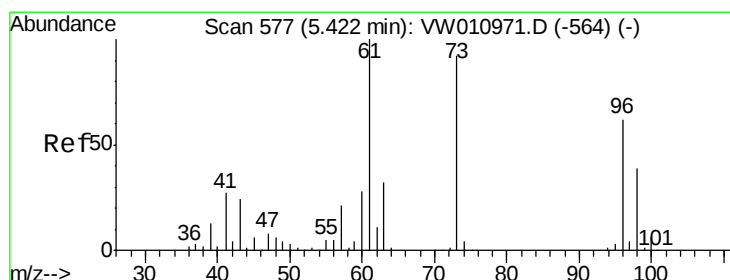
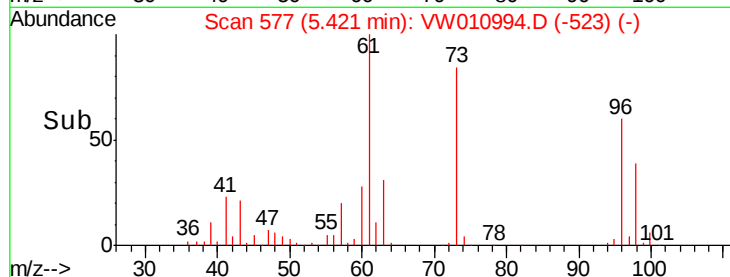
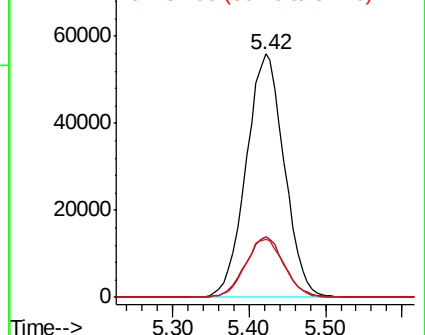
73 100

43 24.9 20.2 30.2

57 24.6 19.4 29.0



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



#18

trans-1,2-Dichloroethene

Concen: 24.846 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

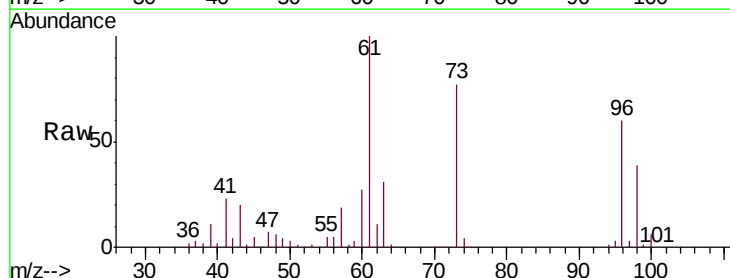
Tgt Ion: 96 Resp: 126507

Ion Ratio Lower Upper

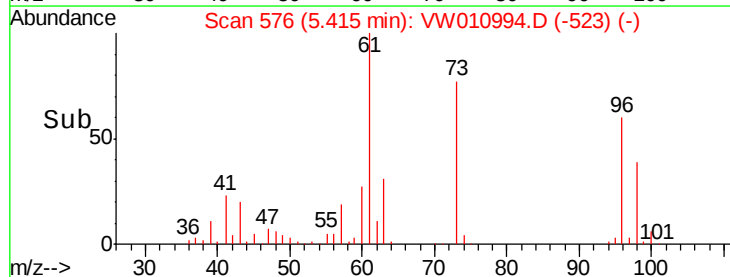
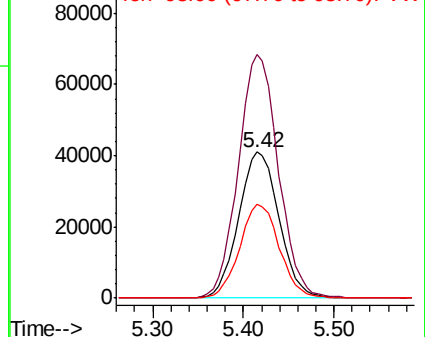
96 100

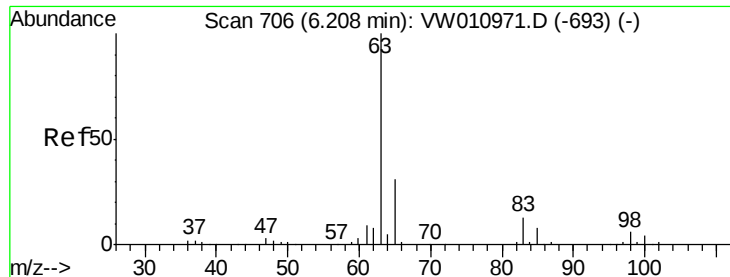
61 166.7 113.3 210.3

98 64.4 44.1 81.9



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





#19

1,1-Dichloroethane

Concen: 24.913 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

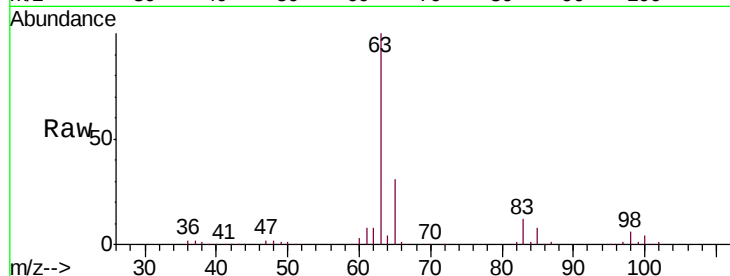
Tgt Ion: 63 Resp: 259075

Ion Ratio Lower Upper

63 100

65 31.3 21.3 39.6

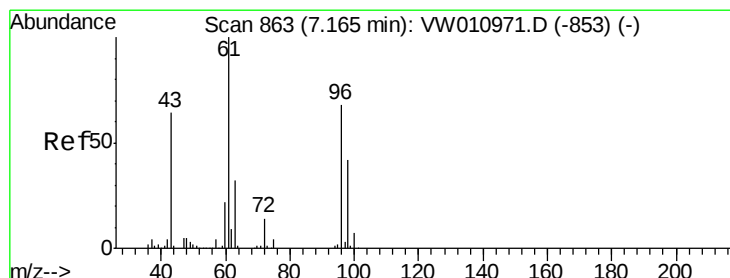
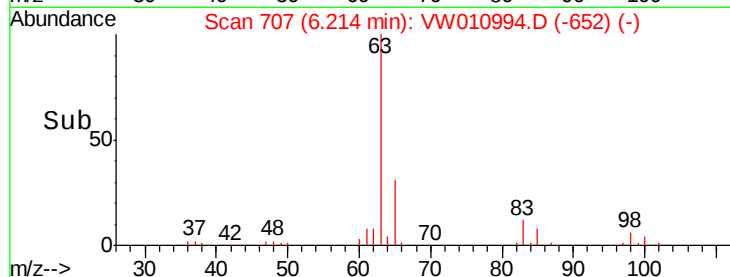
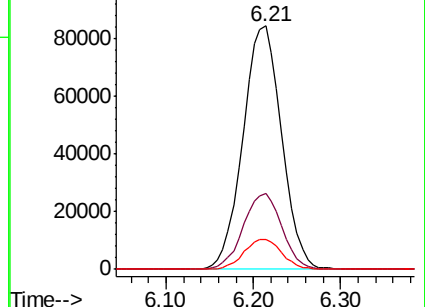
83 12.1 8.5 15.9



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: 55.407 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010994.D

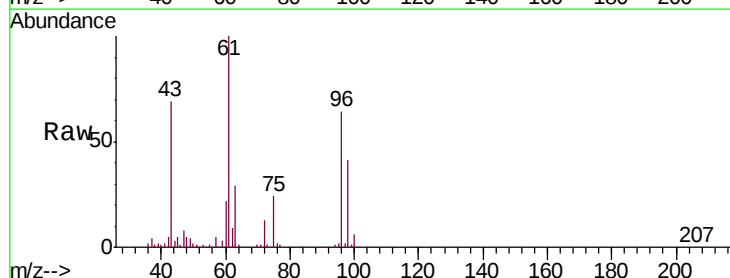
Acq: 26 Jun 2019 09:04

Tgt Ion: 43 Resp: 153650

Ion Ratio Lower Upper

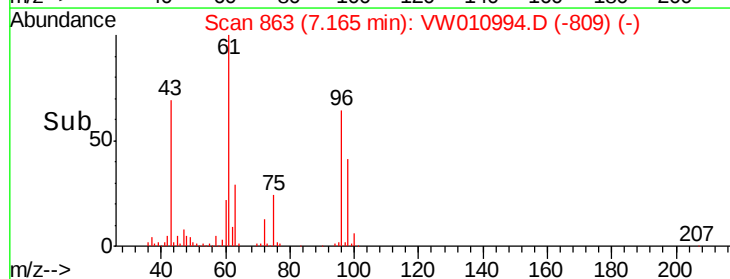
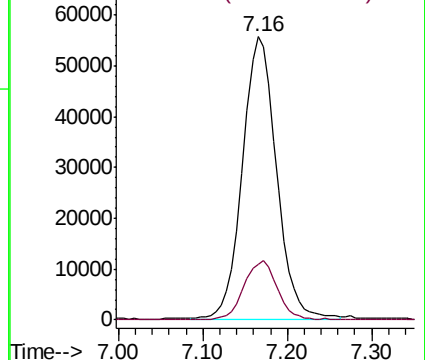
43 100

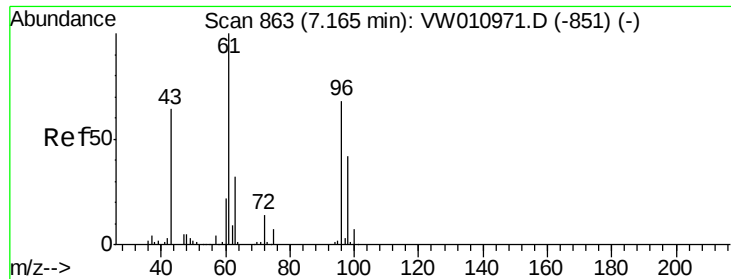
72 20.4 10.9 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



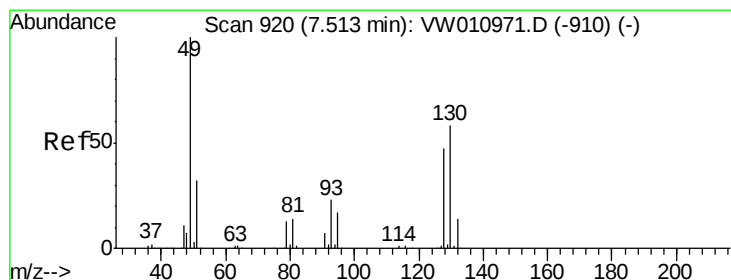
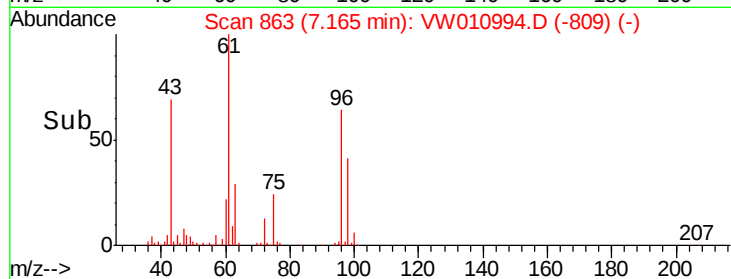
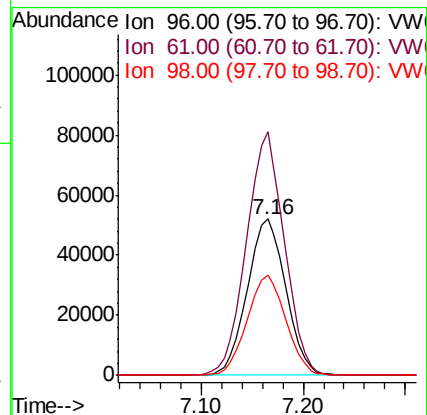
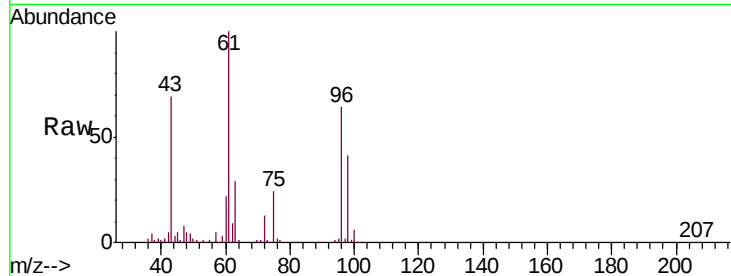


#22

cis-1,2-Dichloroethene
Concen: 24.971 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Instrument :
MSVOA_W
ClientSampled :
VSTD02509

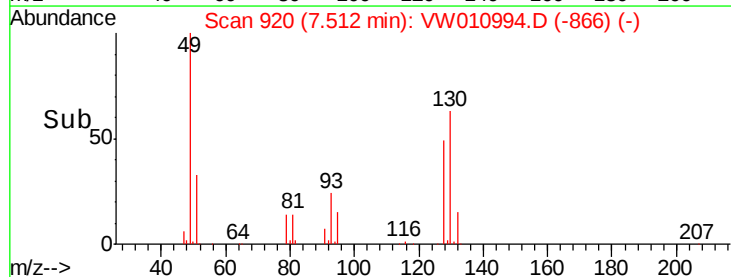
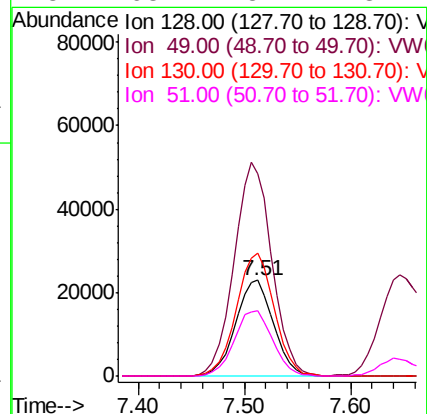
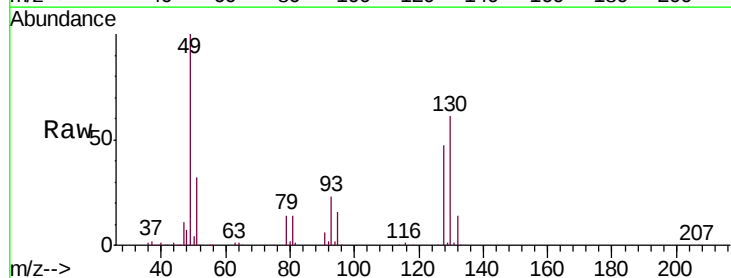
Tgt Ion: 96 Resp: 136801
Ion Ratio Lower Upper
96 100
61 156.1 106.5 197.7
98 64.5 45.5 84.5

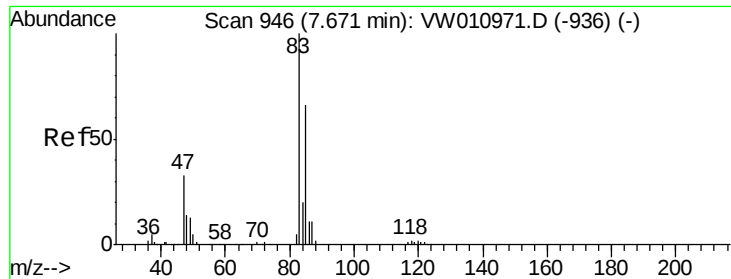


#23

Bromochloromethane
Concen: 24.460 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion: 128 Resp: 56993
Ion Ratio Lower Upper
128 100
49 211.5 157.7 292.9
130 128.4 91.6 170.0
51 68.2 54.2 81.2

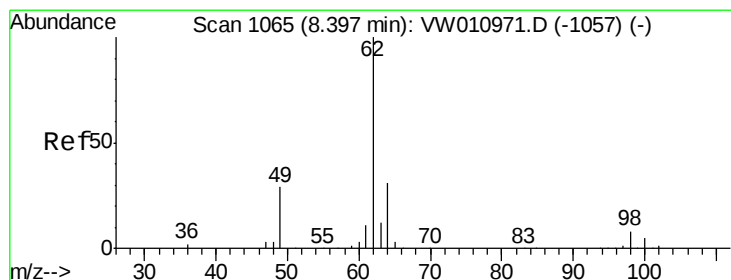
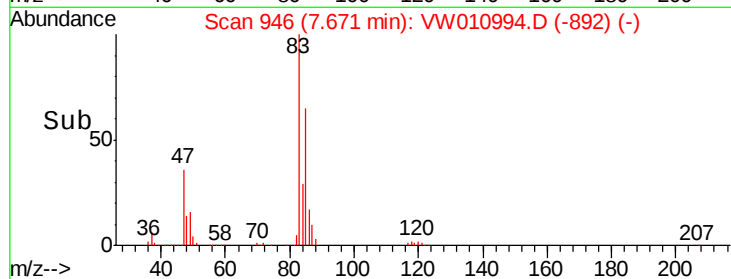
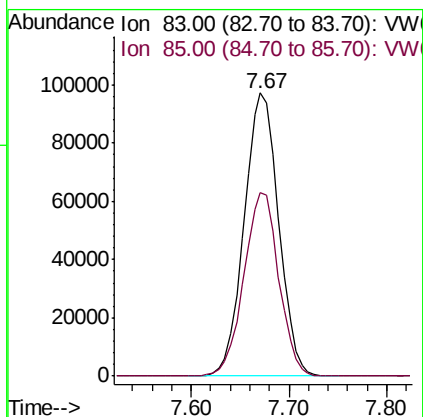
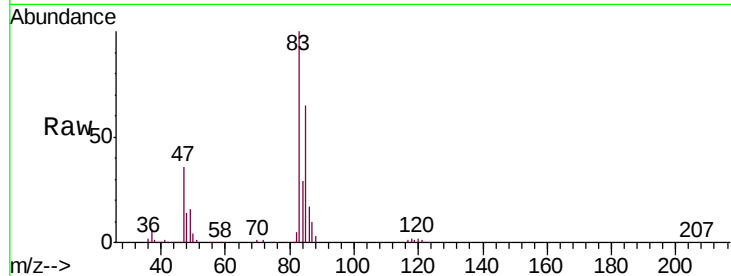




#25
Chloroform
Concen: 24.889 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

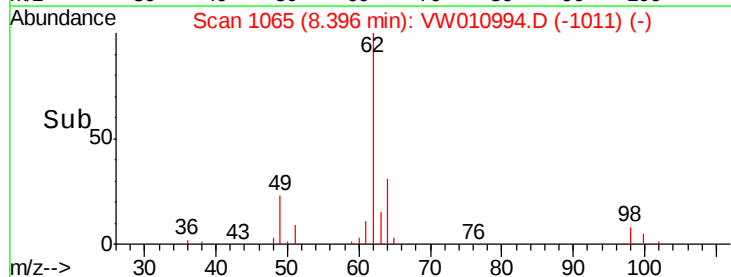
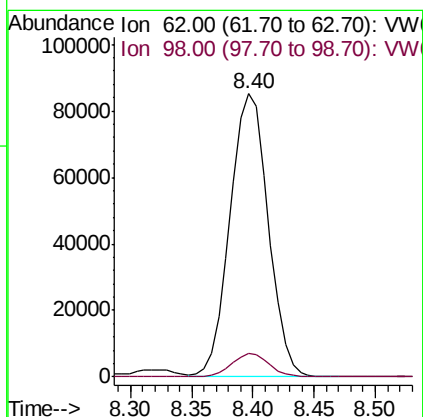
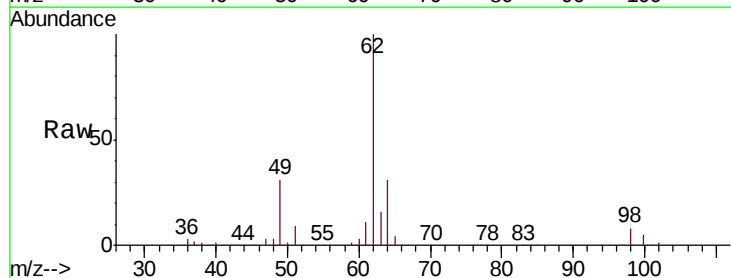
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

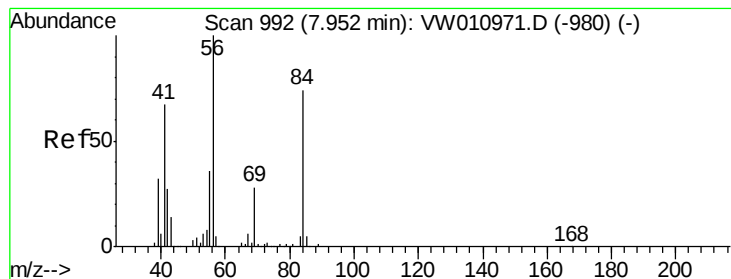
Tgt Ion: 83 Resp: 237472
Ion Ratio Lower Upper
83 100
85 65.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.772 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion: 62 Resp: 185208
Ion Ratio Lower Upper
62 100
98 8.1 6.7 10.1





#30

Cyclohexane

Concen: 25.681 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

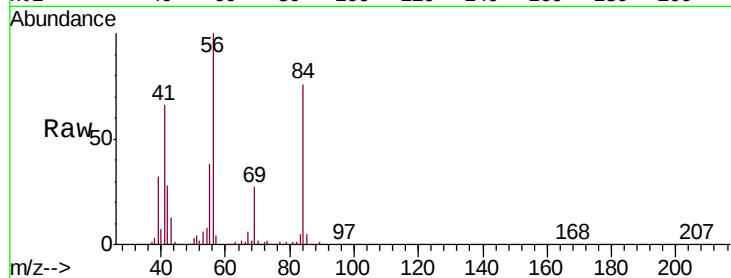
Tgt Ion: 56 Resp: 273425

Ion Ratio Lower Upper

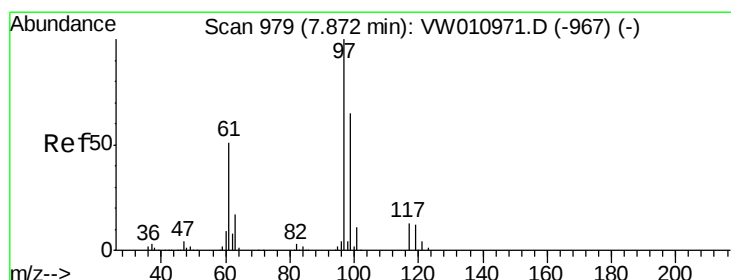
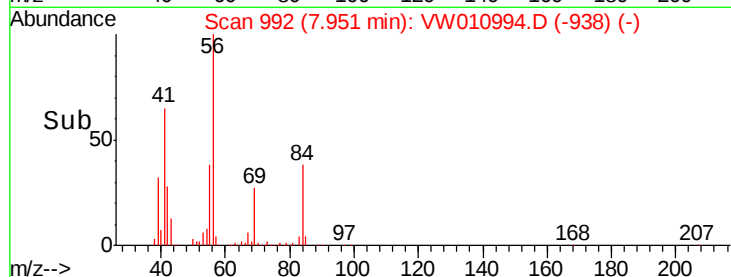
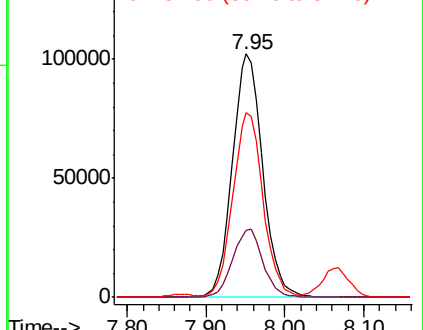
56 100

69 27.8 22.2 33.4

84 75.7 60.3 90.5



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: 25.827 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

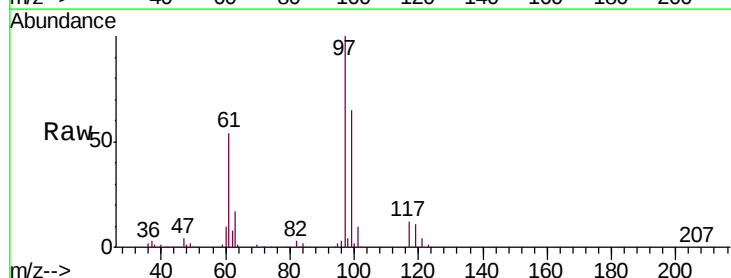
Tgt Ion: 97 Resp: 180853

Ion Ratio Lower Upper

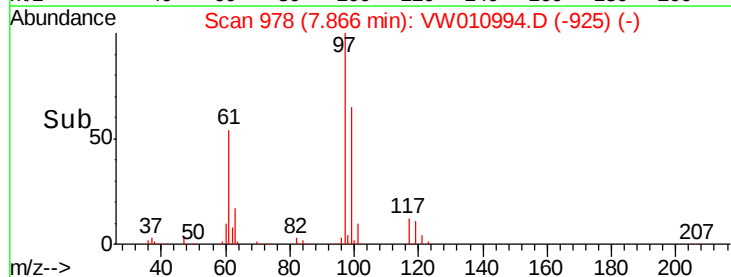
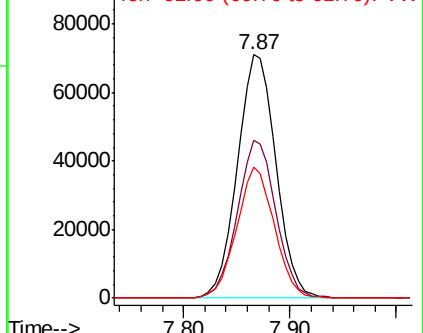
97 100

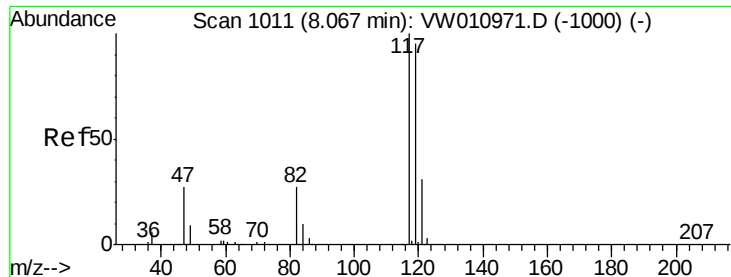
99 64.6 50.7 76.1

61 52.5 41.2 61.8



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





#32

Carbon tetrachloride

Concen: 26.155 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

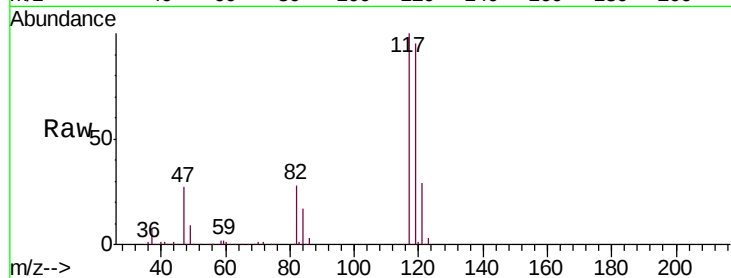
VSTD02509

Tgt Ion:117 Resp: 172993

Ion Ratio Lower Upper

117 100

119 95.2 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

60000

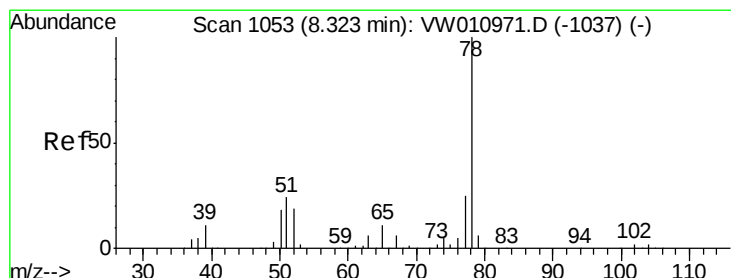
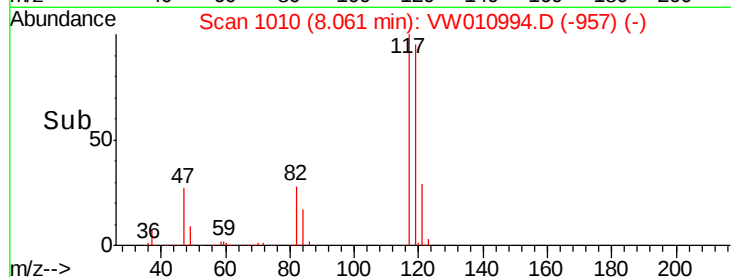
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 25.703 ug/L

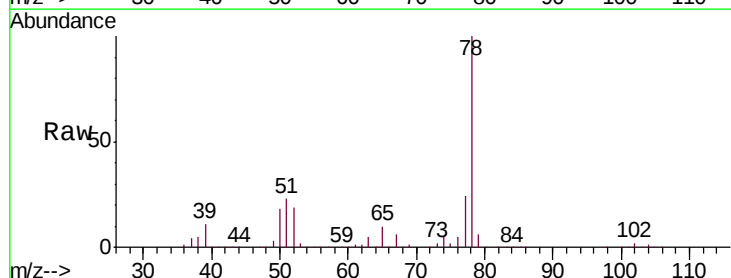
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Tgt Ion: 78 Resp: 543832



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

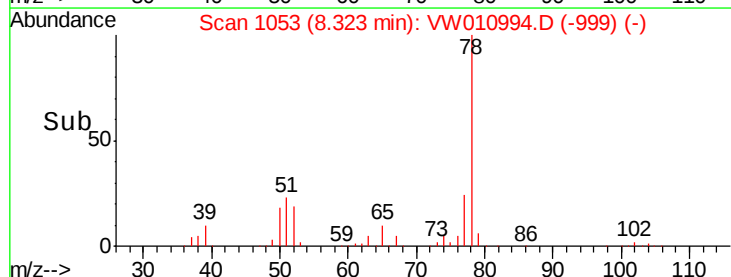
100000

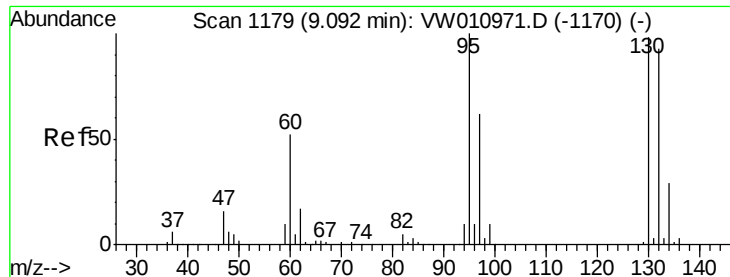
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 25.550 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 95 Resp: 137092

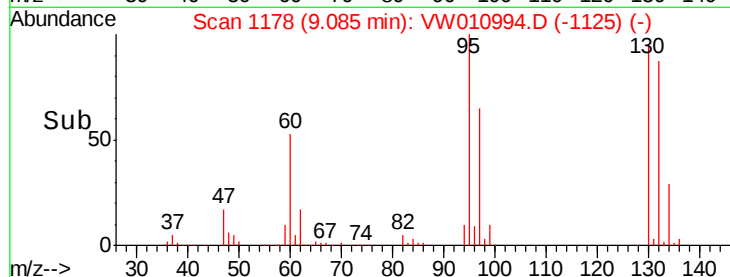
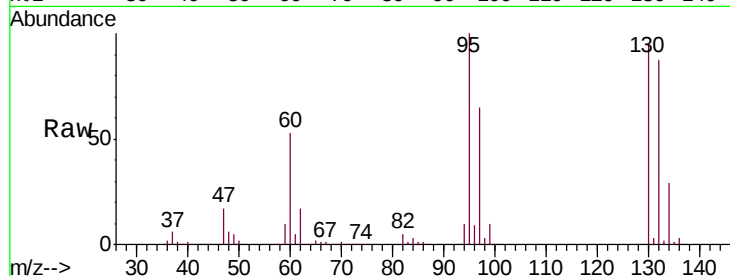
Ion Ratio Lower Upper

95 100

97 64.3 44.9 83.3

132 90.8 64.0 119.0

130 95.7 67.4 125.2



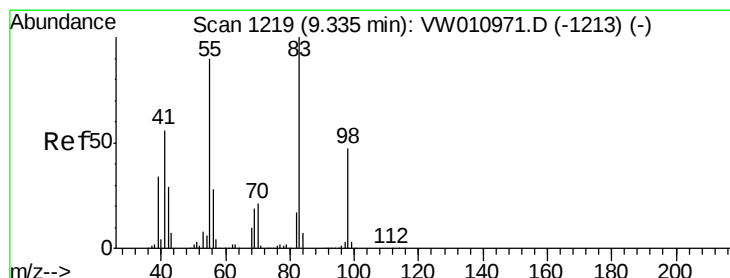
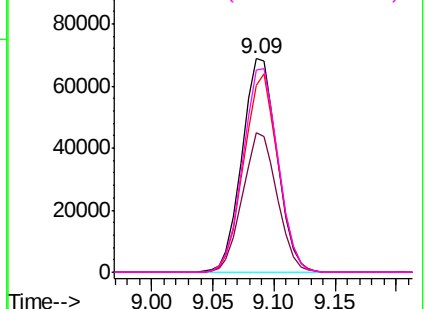
Abundance

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: 25.713 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

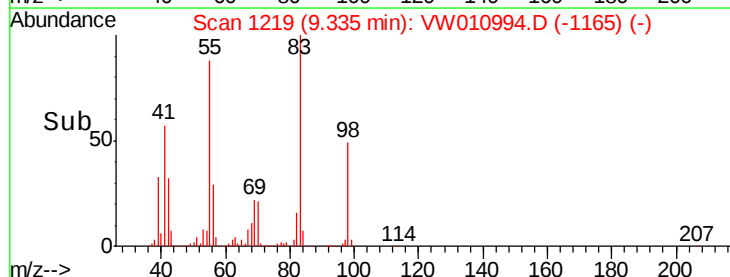
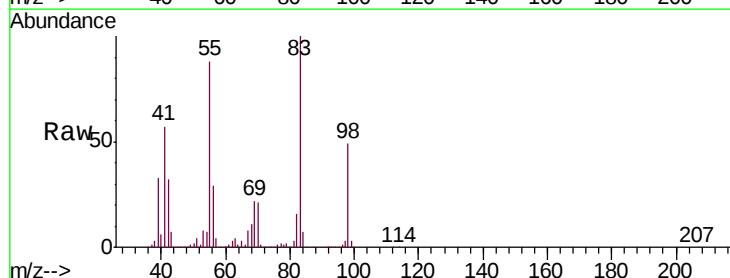
Tgt Ion: 83 Resp: 253232

Ion Ratio Lower Upper

83 100

55 90.9 72.2 108.2

98 47.8 37.8 56.8

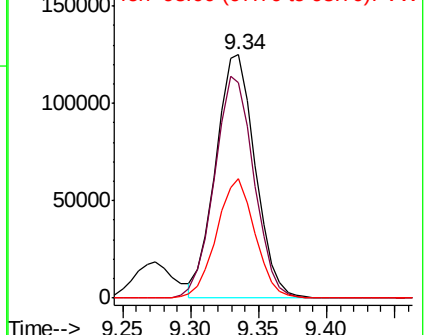


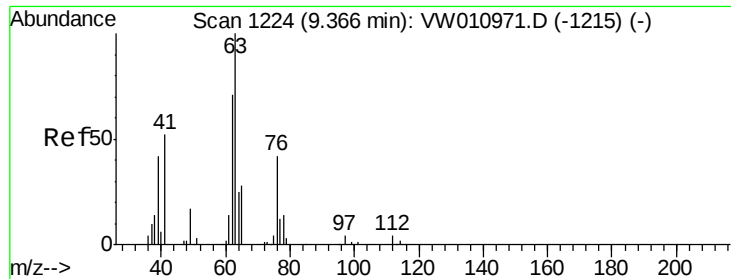
Abundance

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

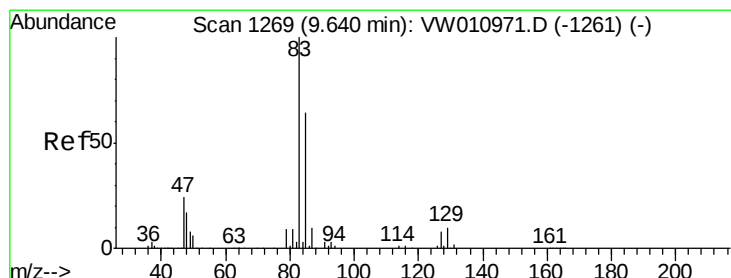
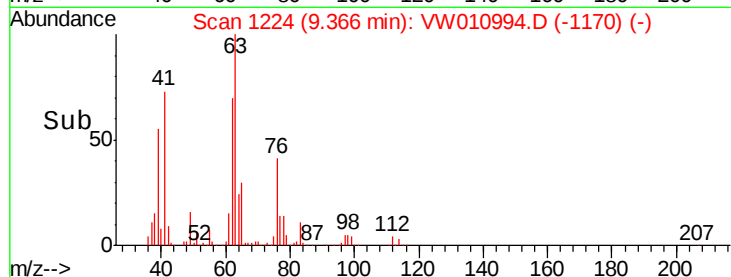
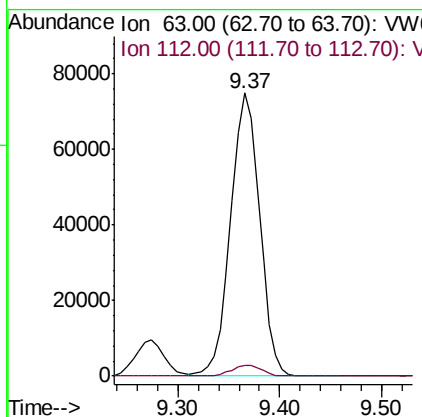
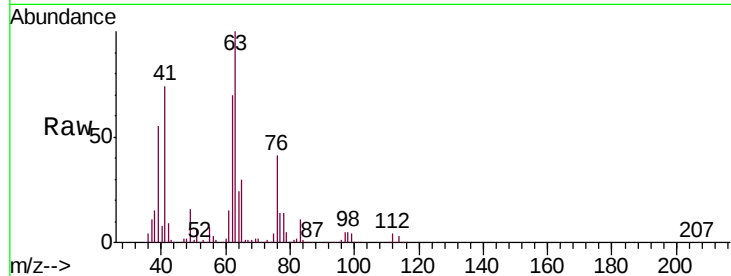




#40
 1,2-Dichloropropane
 Concen: 25.418 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

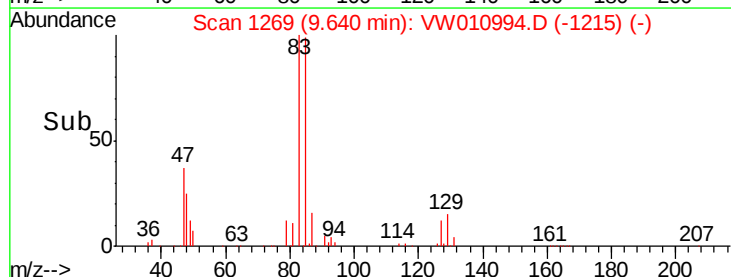
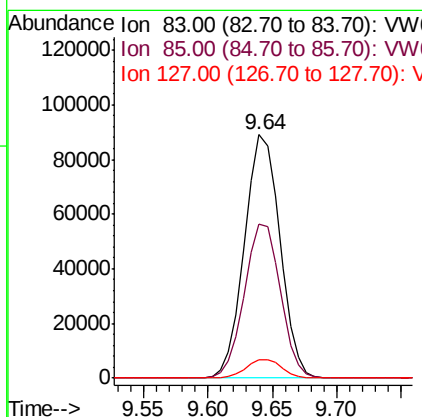
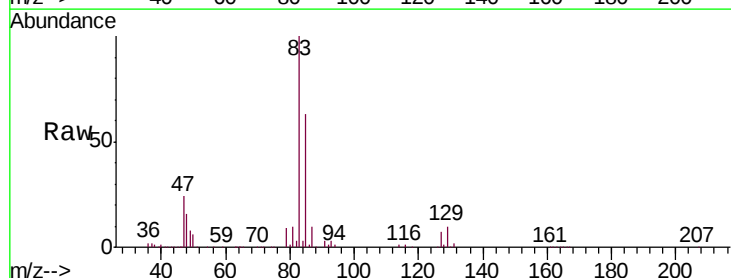
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

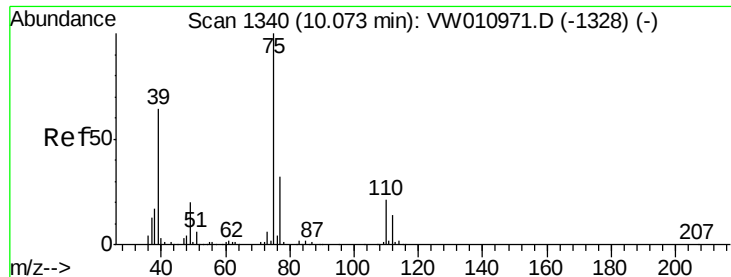
Tgt Ion: 63 Resp: 148024
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#41
 Bromodichloromethane
 Concen: 24.983 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

Tgt Ion: 83 Resp: 170736
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.1 80.1
 127 7.5 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 25.038 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

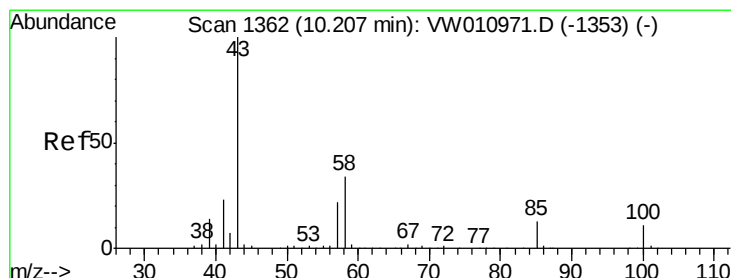
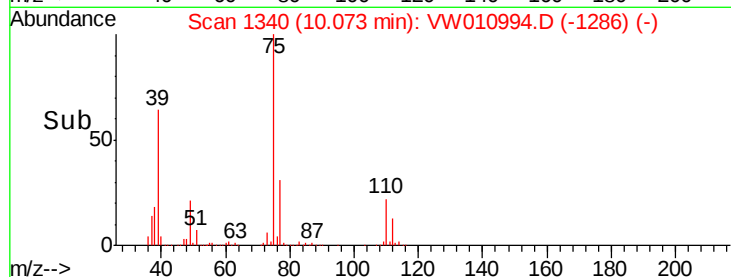
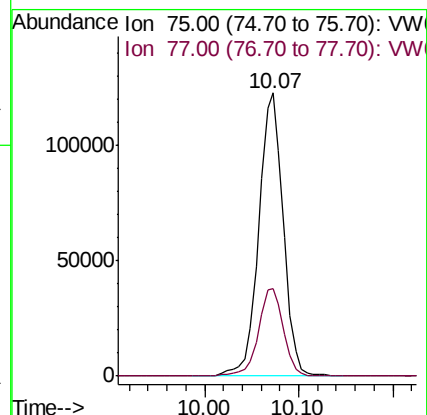
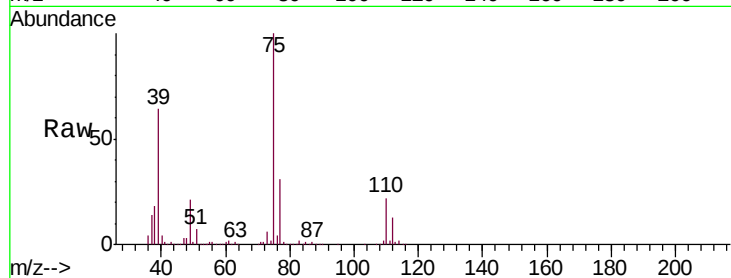
VSTD02509

Tgt Ion: 75 Resp: 224297

Ion Ratio Lower Upper

75 100

77 30.8 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 52.874 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

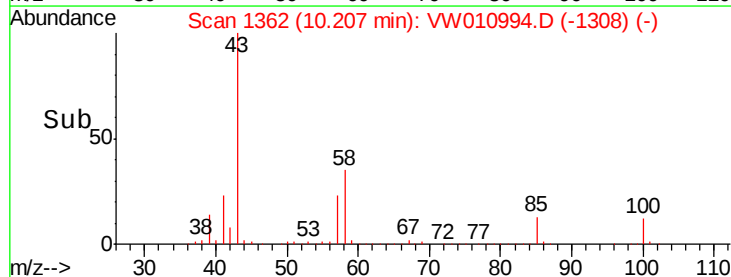
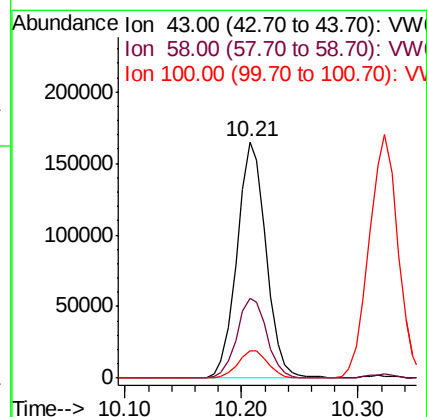
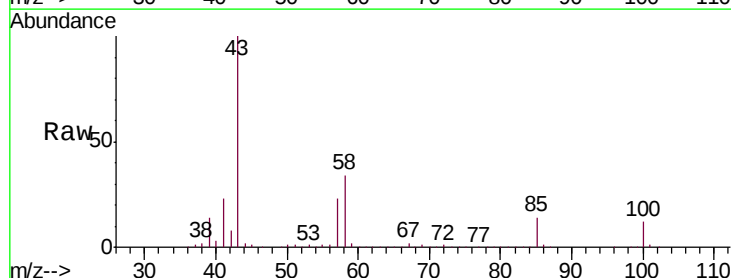
Tgt Ion: 43 Resp: 285741

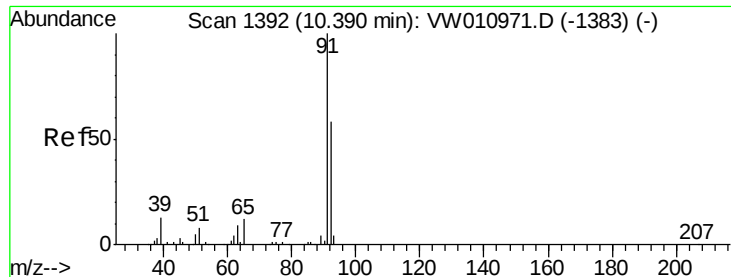
Ion Ratio Lower Upper

43 100

58 34.9 27.5 41.3

100 12.0 9.6 14.4





#44

Toluene

Concen: 25.602 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

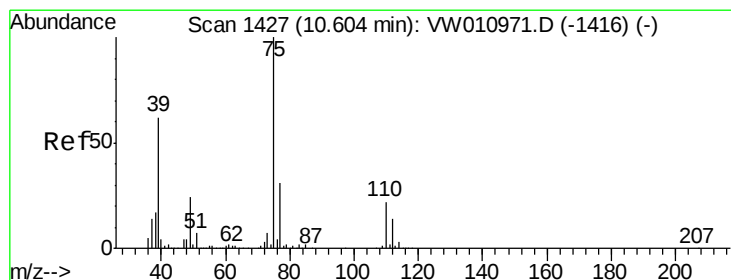
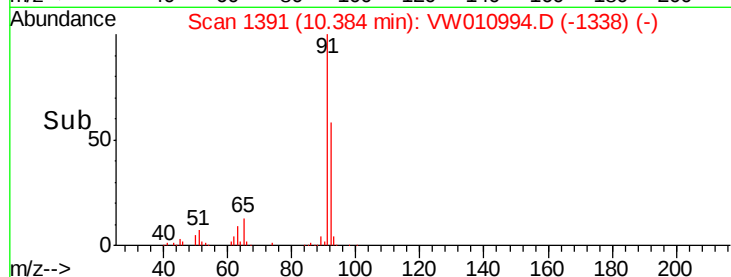
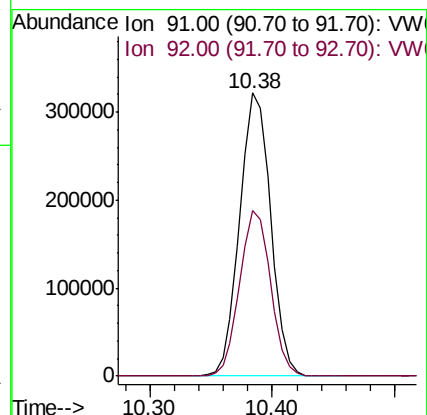
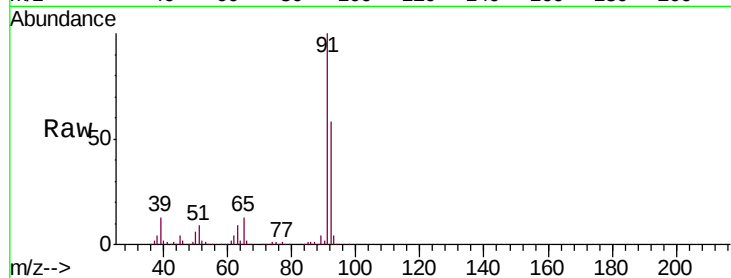
VSTD02509

Tgt Ion: 91 Resp: 566426

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 25.147 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010994.D

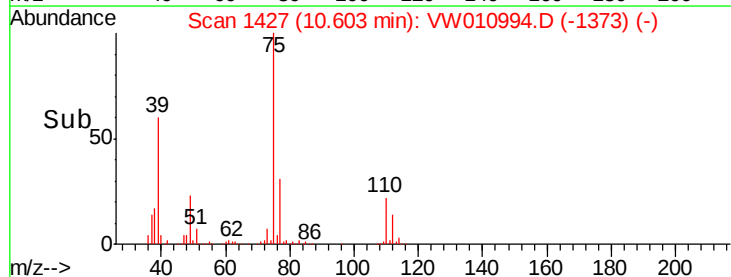
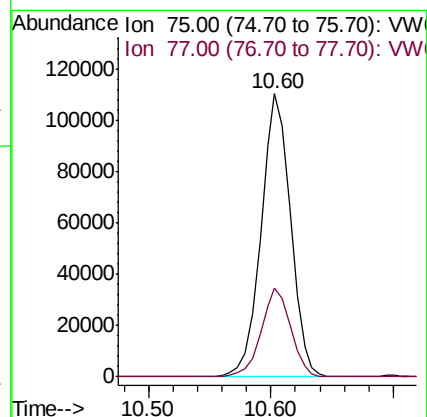
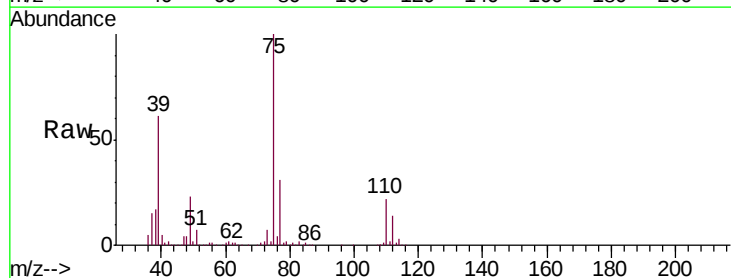
Acq: 26 Jun 2019 09:04

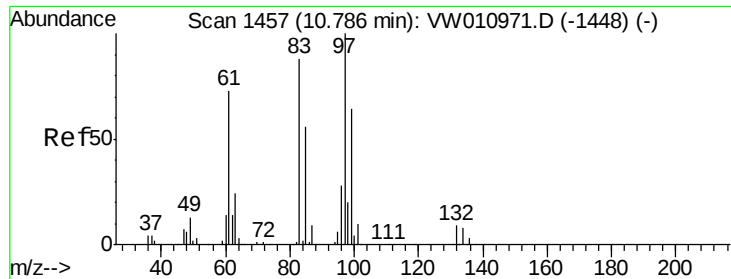
Tgt Ion: 75 Resp: 186225

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 25.555 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 97 Resp: 101992

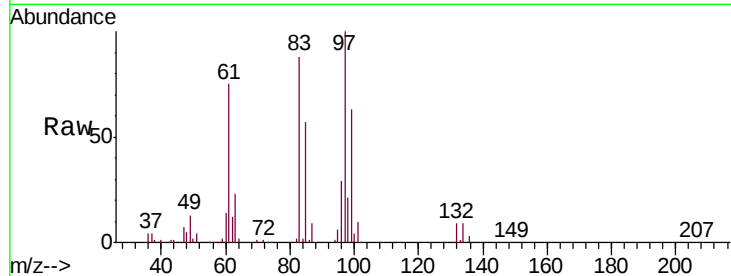
Ion Ratio Lower Upper

97 100

83 88.4 61.8 114.8

85 56.8 38.6 71.6

99 62.9 43.3 80.3

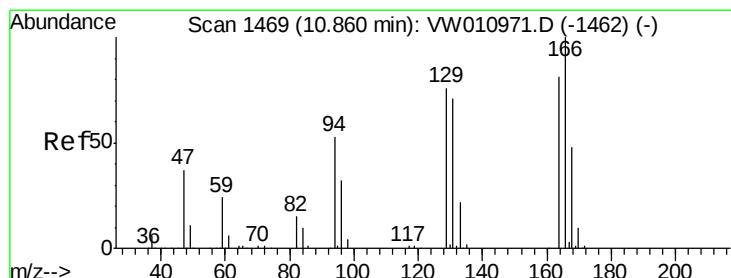
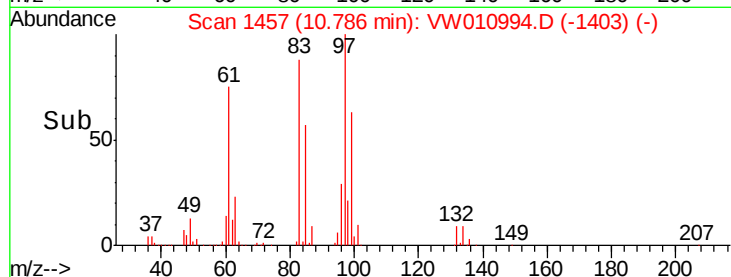
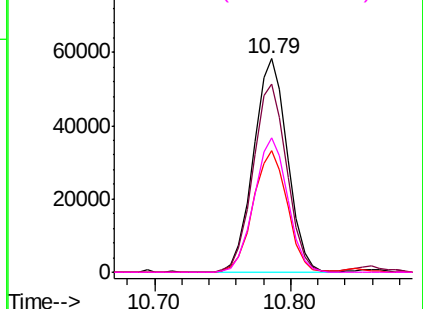


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.332 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Tgt Ion: 164 Resp: 103082

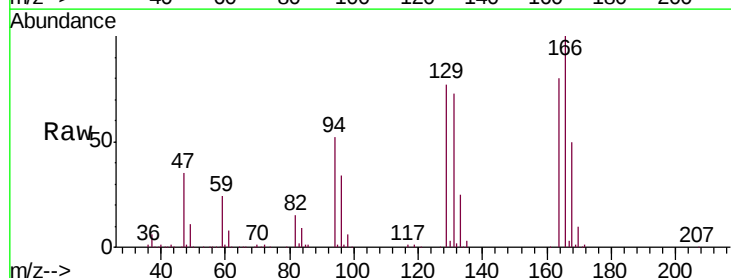
Ion Ratio Lower Upper

164 100

129 96.2 69.6 129.2

131 90.5 66.8 124.0

166 124.7 91.2 169.4

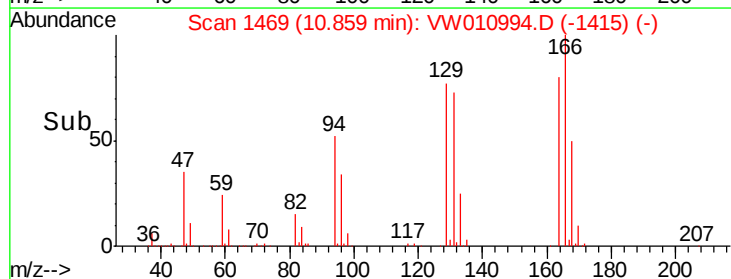
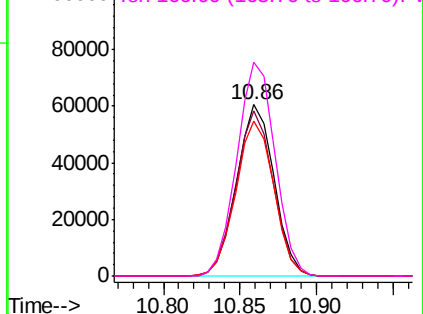


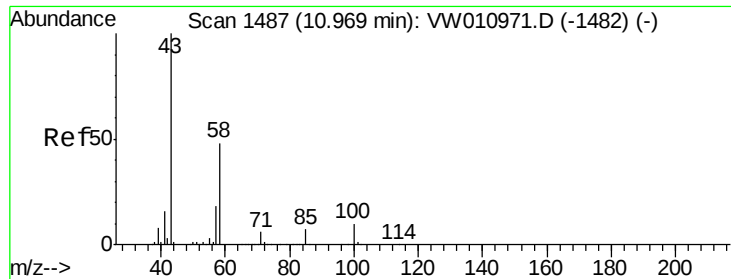
Abundance Ion 164.00 (163.70 to 164.70): V

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: 55.346 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 43 Resp: 212790

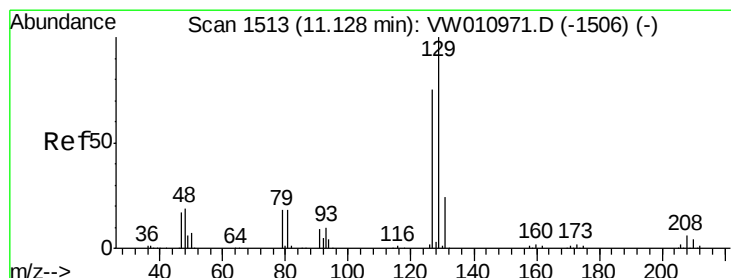
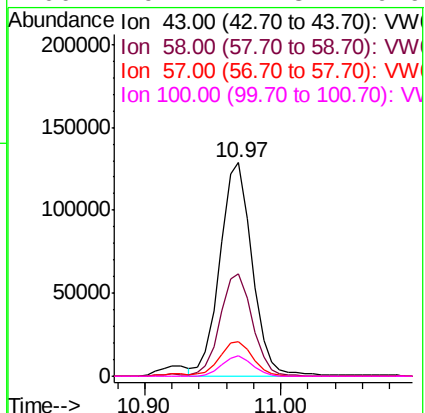
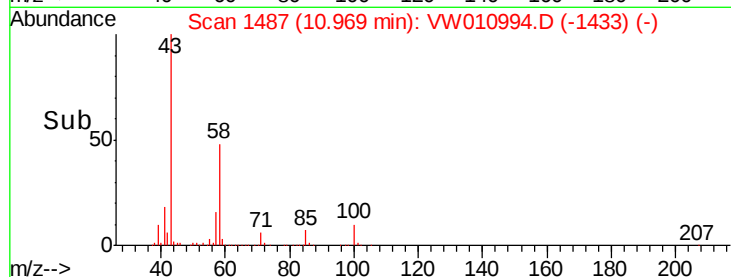
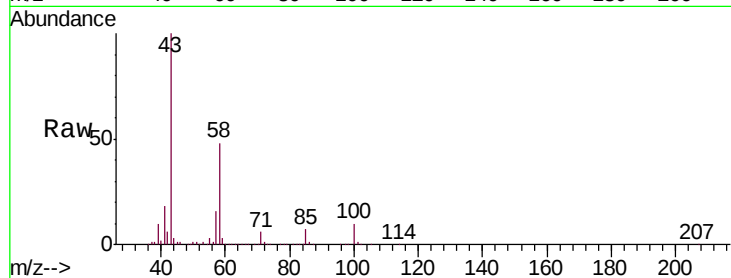
Ion Ratio Lower Upper

43 100

58 48.0 38.3 57.5

57 16.8 13.8 20.8

100 9.2 7.3 10.9



#50

Dibromochloromethane

Concen: 24.984 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010994.D

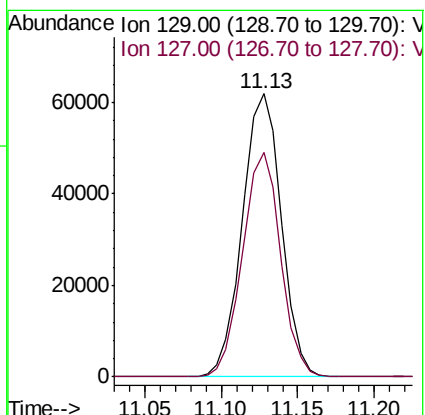
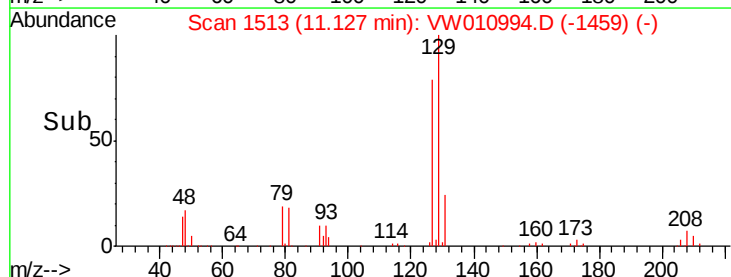
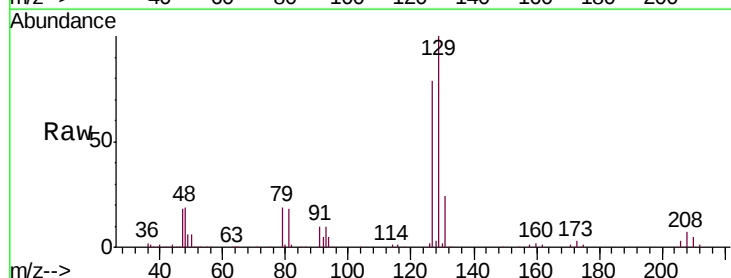
Acq: 26 Jun 2019 09:04

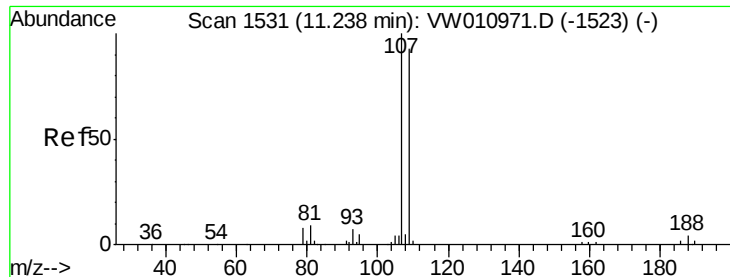
Tgt Ion: 129 Resp: 109793

Ion Ratio Lower Upper

129 100

127 79.3 52.8 98.2

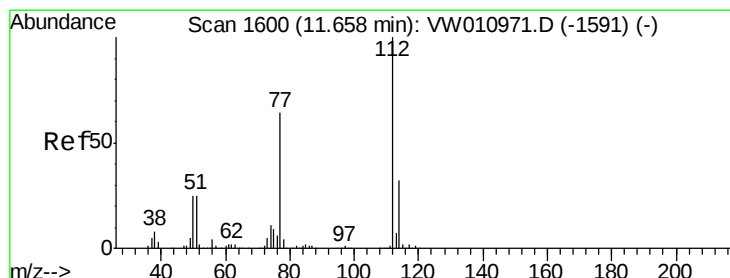
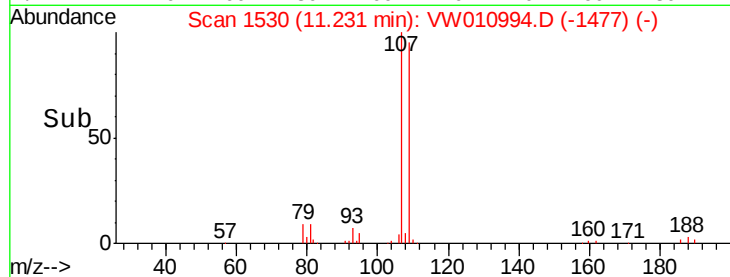
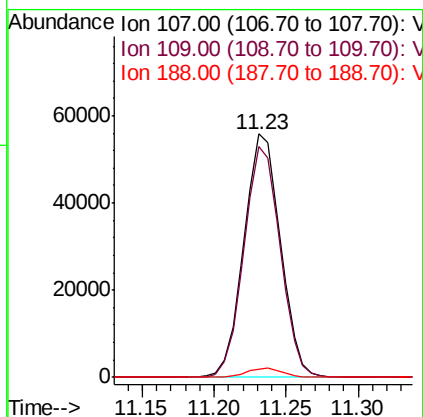
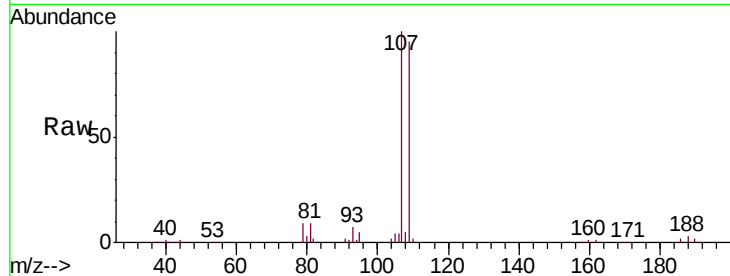




#51
1,2-Dibromoethane
Concen: 25.371 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

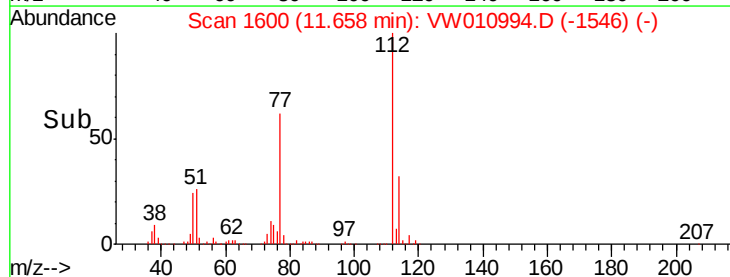
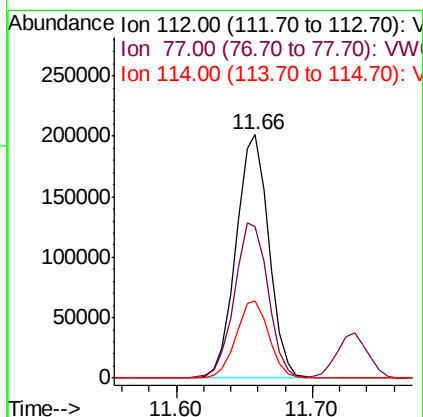
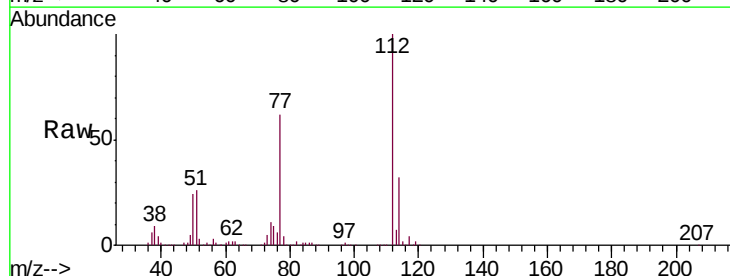
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

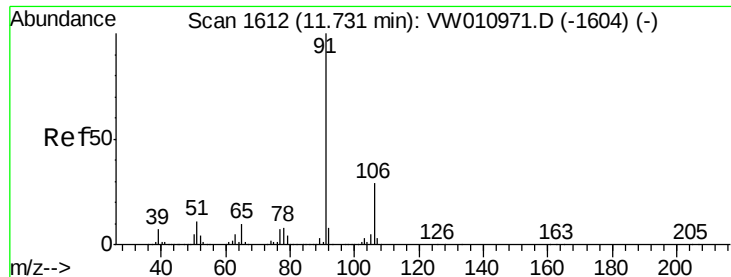
Tgt Ion:107 Resp: 97922
Ion Ratio Lower Upper
107 100
109 94.6 65.5 121.7
188 3.3 3.3 4.9



#52
Chlorobenzene
Concen: 25.349 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion:112 Resp: 337479
Ion Ratio Lower Upper
112 100
77 62.2 51.1 76.7
114 31.8 22.7 42.1

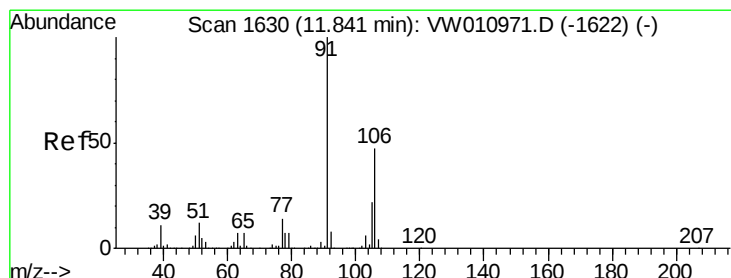
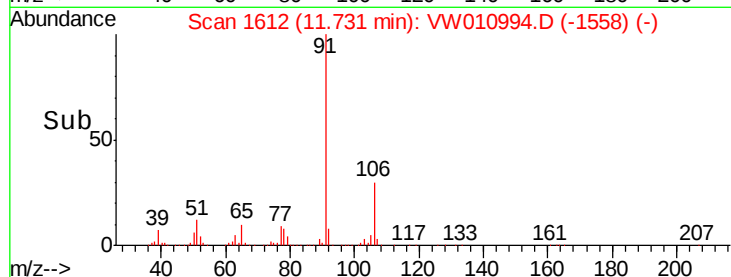
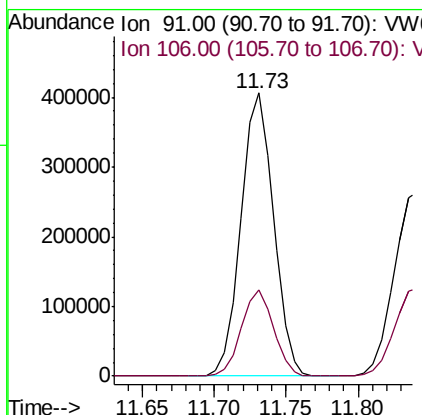
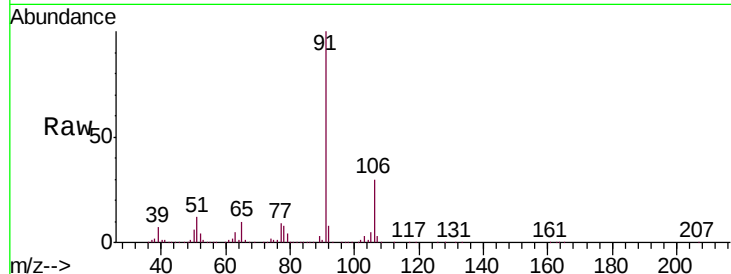




#53
Ethylbenzene
Concen: 25.591 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

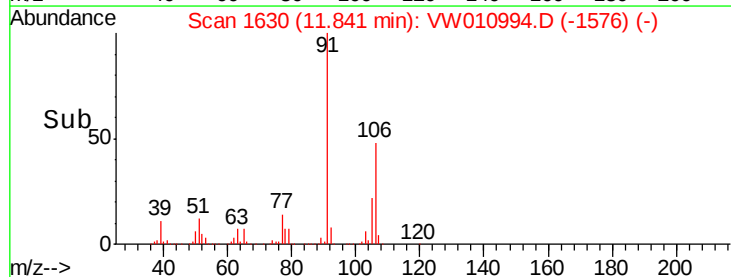
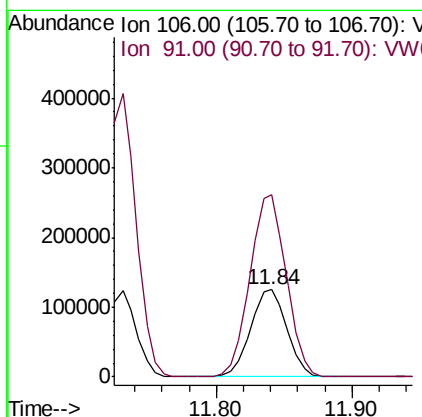
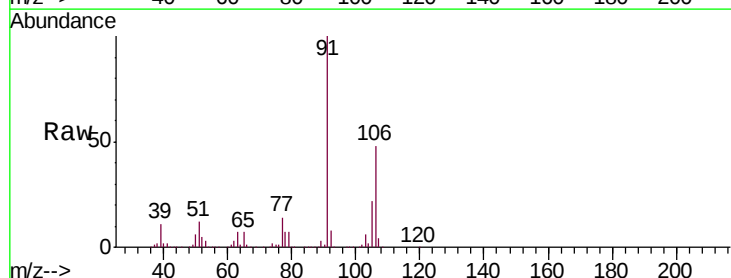
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

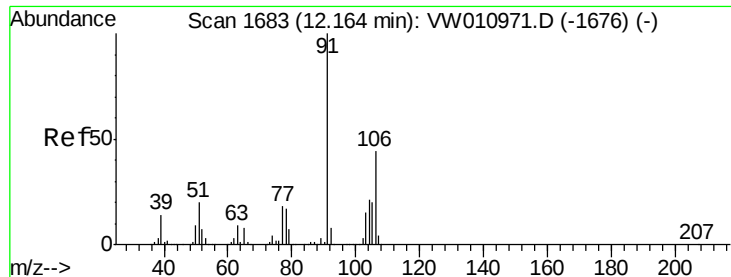
Tgt Ion: 91 Resp: 637869
Ion Ratio Lower Upper
91 100
106 30.4 20.9 38.7



#54
m,p-Xylene
Concen: 25.864 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010994.D
Acq: 26 Jun 2019 09:04

Tgt Ion: 106 Resp: 233931
Ion Ratio Lower Upper
106 100
91 208.4 146.5 272.1





#55

o-xylene

Concen: 25.551 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

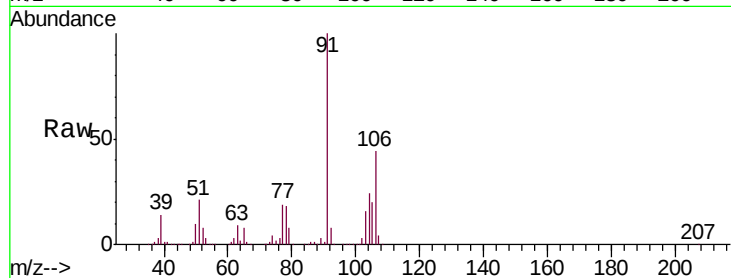
VSTD02509

Tgt Ion:106 Resp: 221761

Ion Ratio Lower Upper

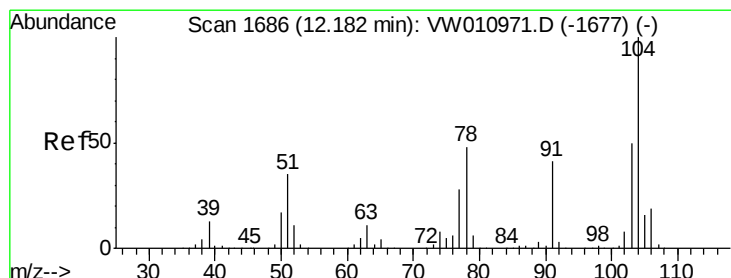
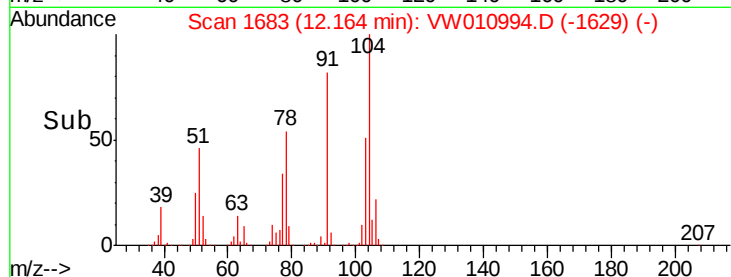
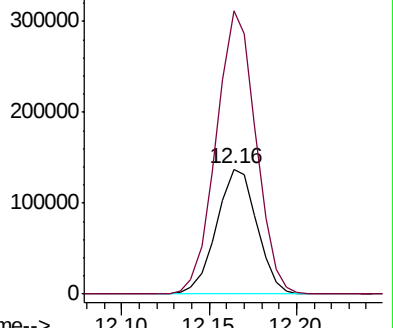
106 100

91 227.0 156.1 289.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.696 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010994.D

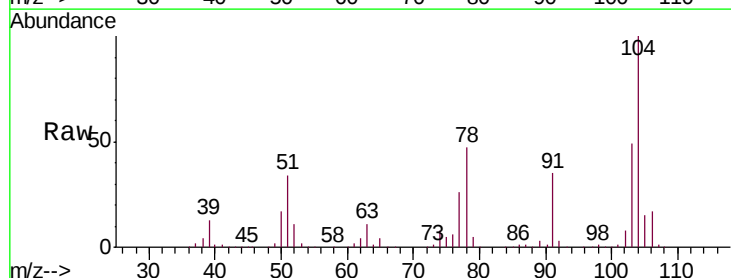
Acq: 26 Jun 2019 09:04

Tgt Ion:104 Resp: 384587

Ion Ratio Lower Upper

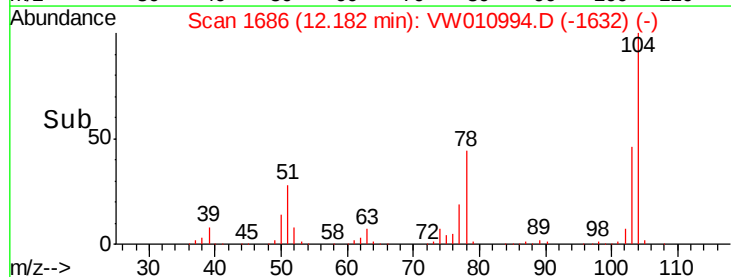
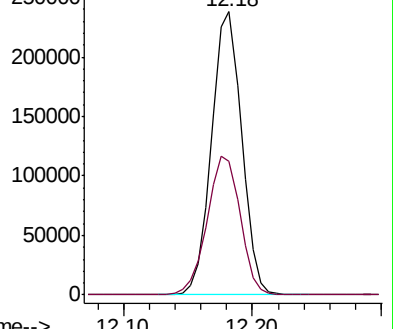
104 100

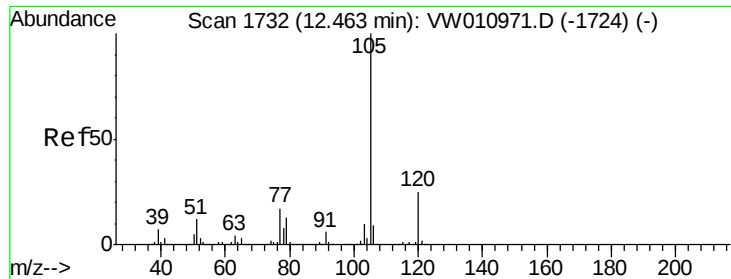
78 47.3 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.059 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

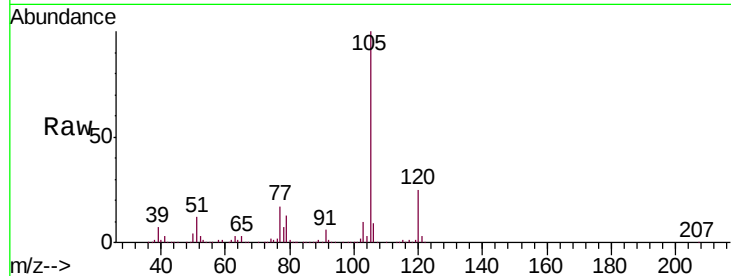
Tgt Ion: 105 Resp: 613593

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

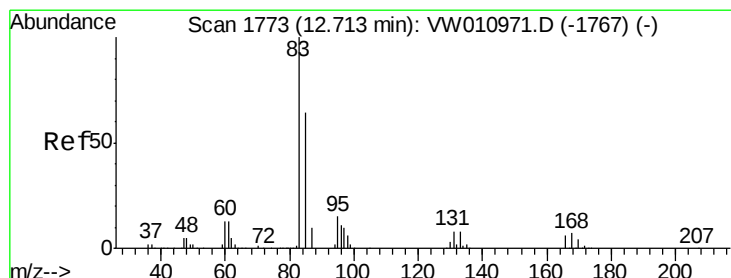
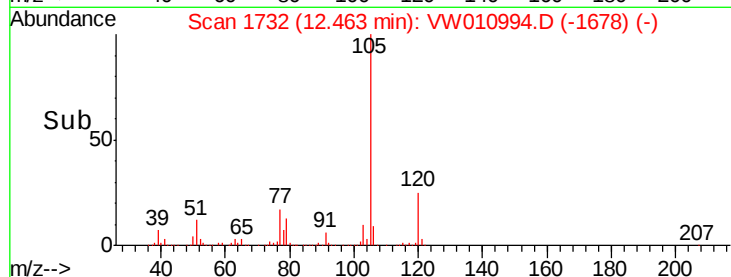
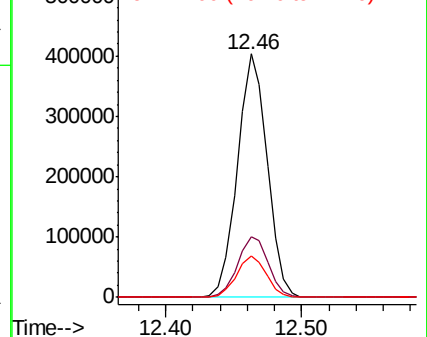
77 17.1 13.7 20.5



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: 26.452 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

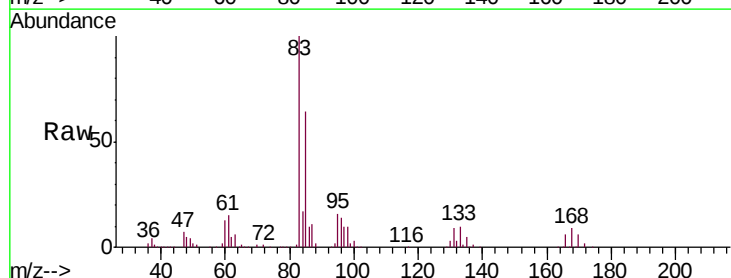
Tgt Ion: 83 Resp: 138036

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.6

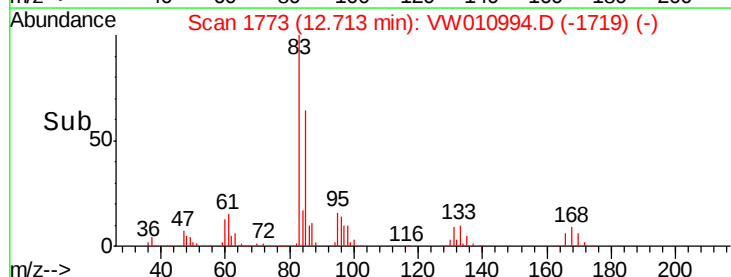
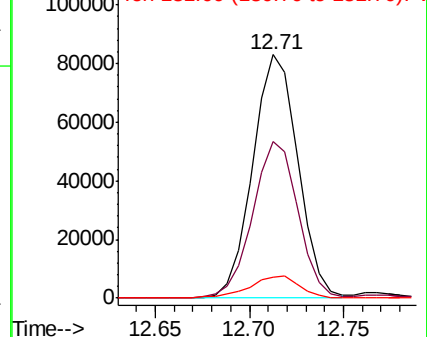
131 8.6 7.4 11.0

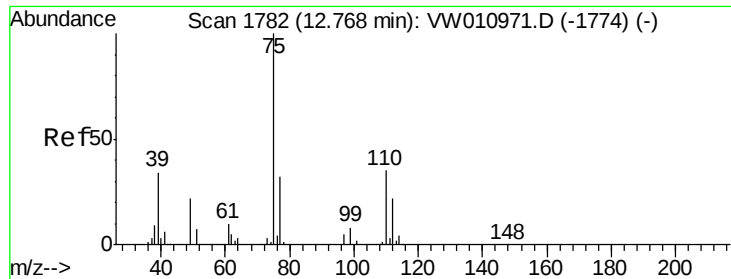


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.296 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

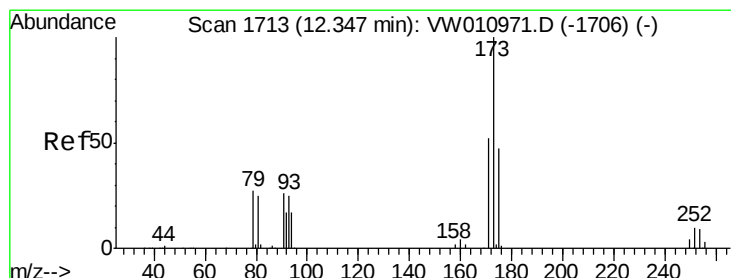
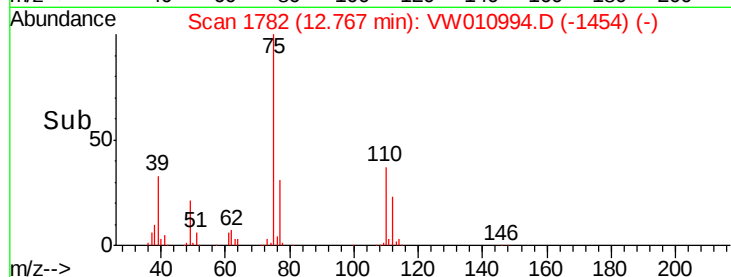
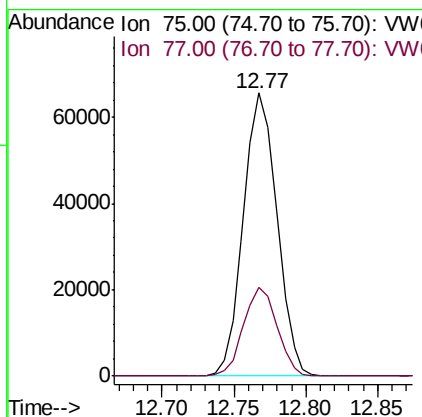
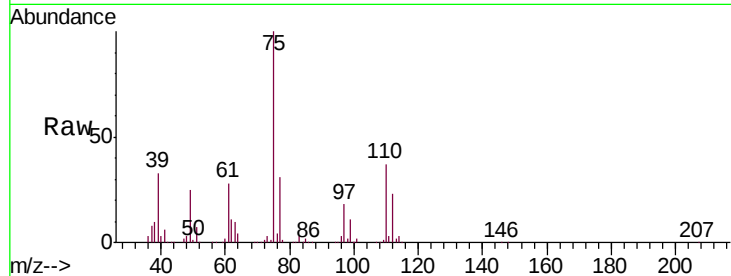
VSTD02509

Tgt Ion: 75 Resp: 106545

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#62

Bromoform

Concen: 24.683 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

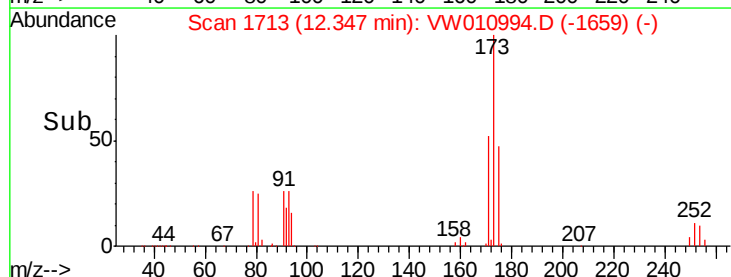
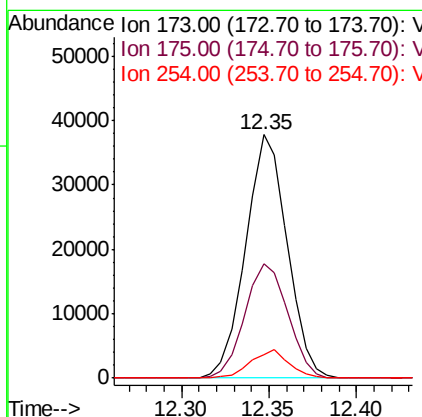
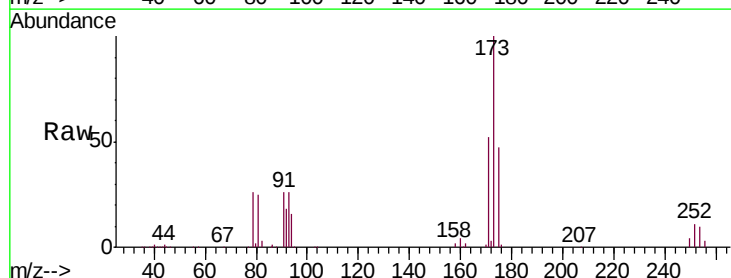
Tgt Ion: 173 Resp: 62399

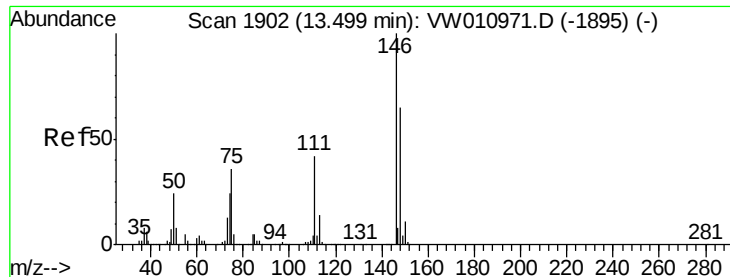
Ion Ratio Lower Upper

173 100

175 48.9 40.1 60.1

254 10.8 8.5 12.7

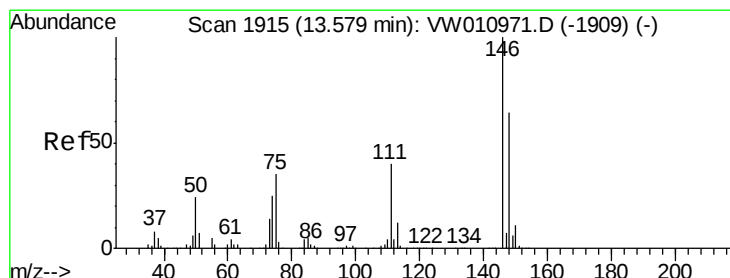
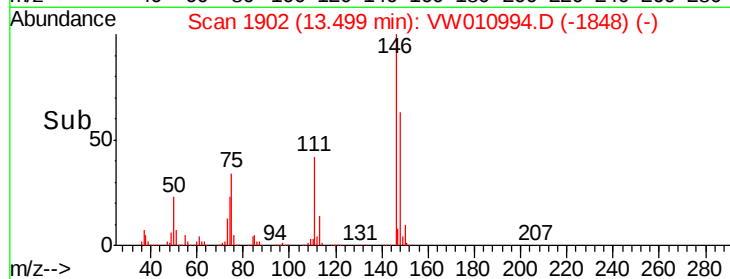
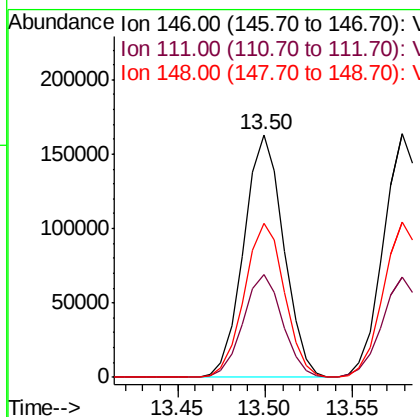
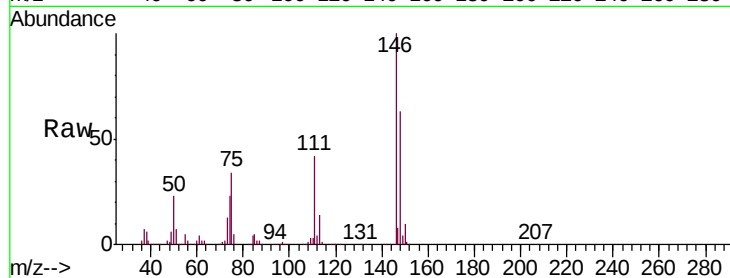




#63
 1,3-Dichlorobenzene
 Concen: 25.179 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

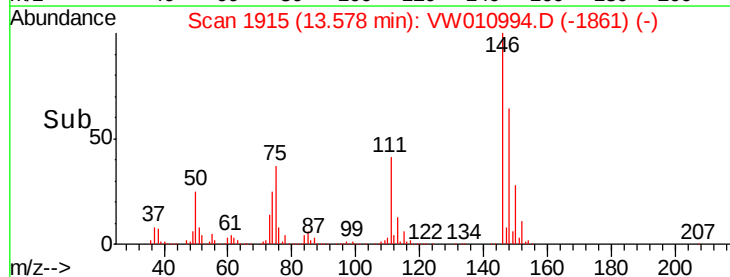
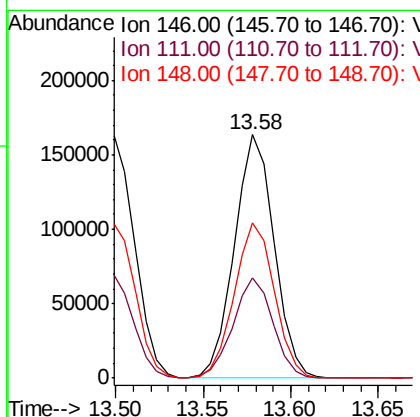
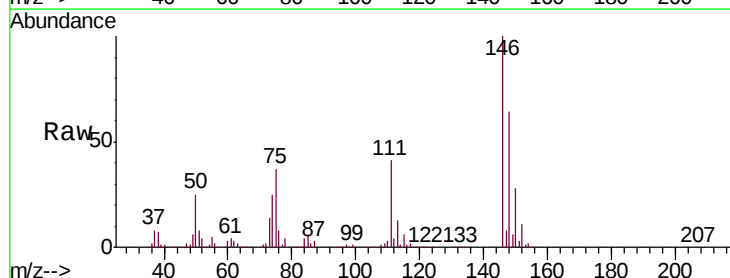
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

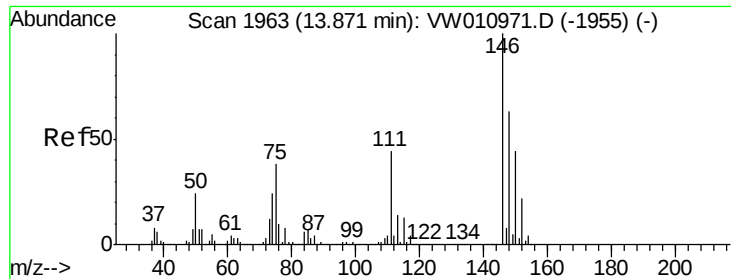
Tgt Ion:146 Resp: 258904
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.9 53.7
 148 63.3 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 25.045 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

Tgt Ion:146 Resp: 258691
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.9
 148 64.0 46.0 85.4

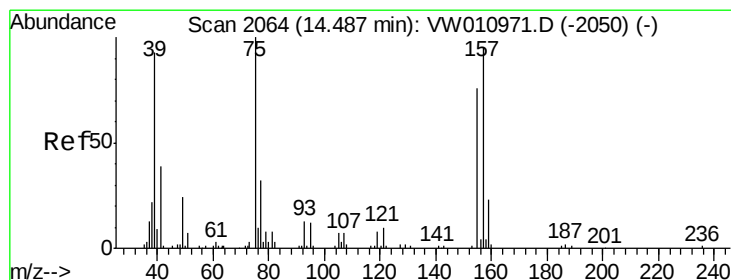
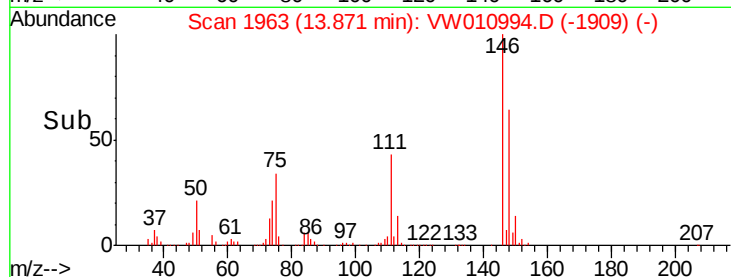
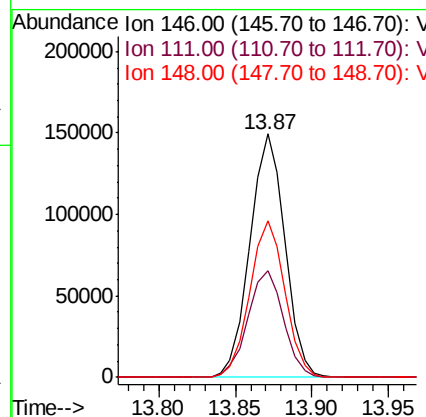
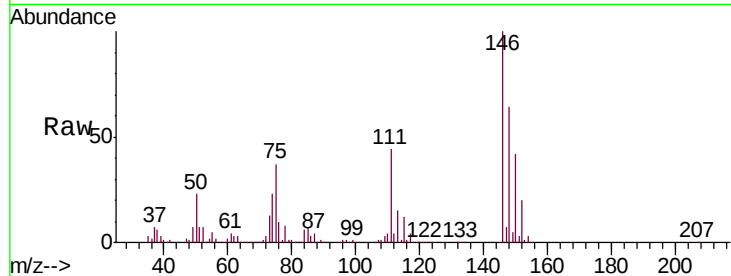




#65
 1,2-Dichlorobenzene
 Concen: 25.040 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

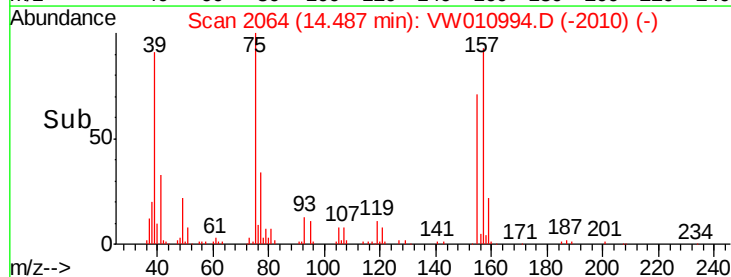
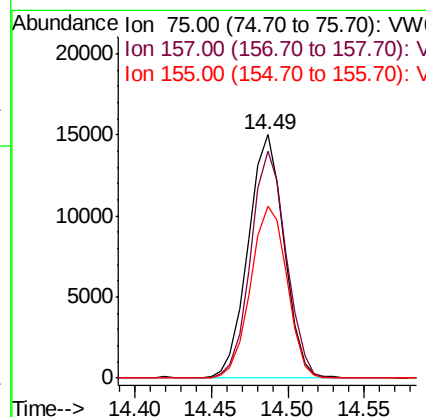
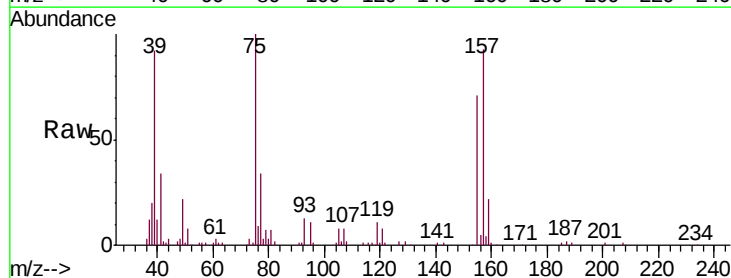
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

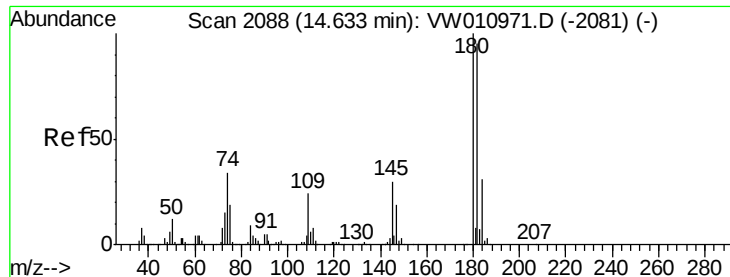
Tgt Ion: 146 Resp: 238142
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.6 51.8
 148 64.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.157 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

Tgt Ion: 75 Resp: 24481
 Ion Ratio Lower Upper
 75 100
 157 93.3 71.8 107.8
 155 70.6 55.2 82.8

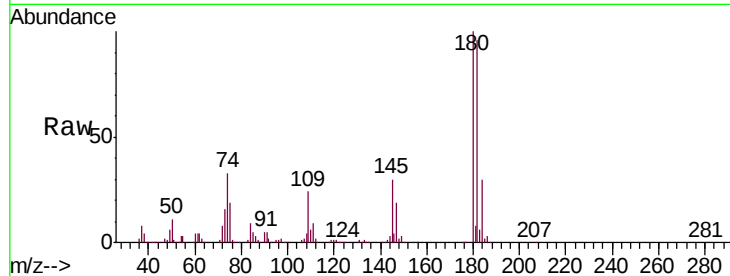




#67
 1,3,5-Trichlorobenzene
 Concen: 25.461 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
184	30.4	24.3	36.5
145	30.1	24.2	36.2



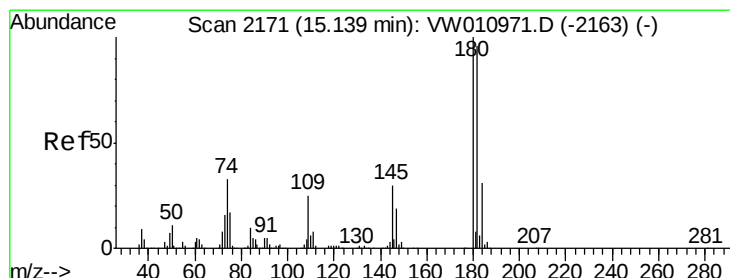
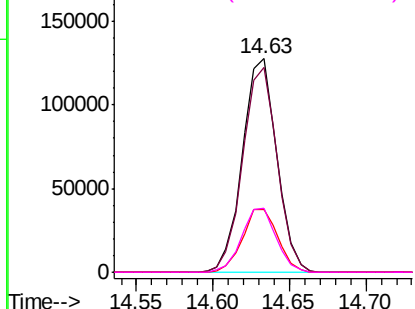
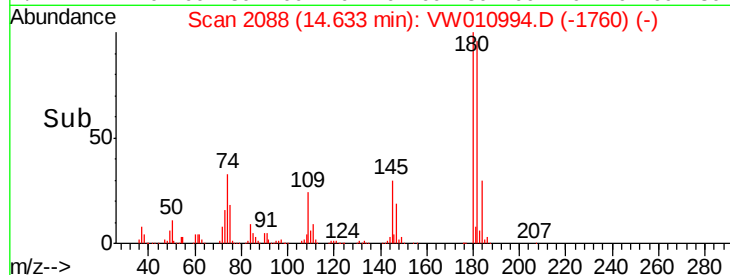
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

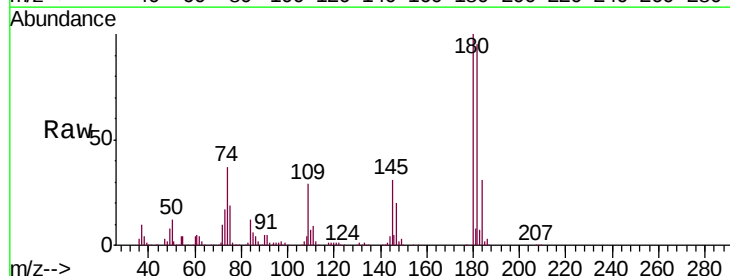
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.742 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010994.D
 Acq: 26 Jun 2019 09:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	30.0	24.2	36.4

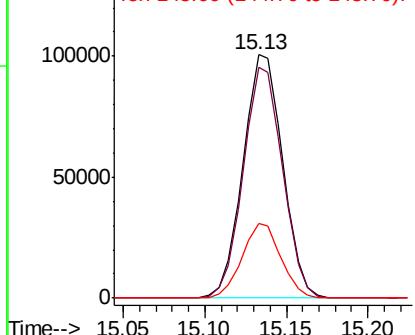
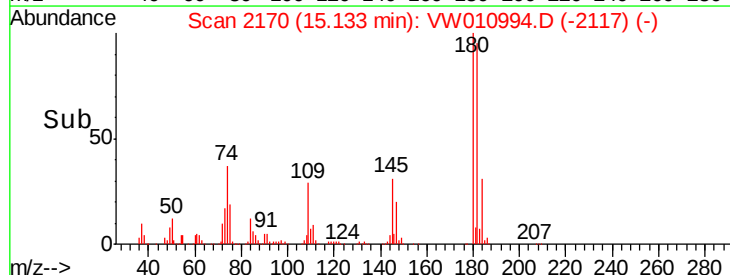


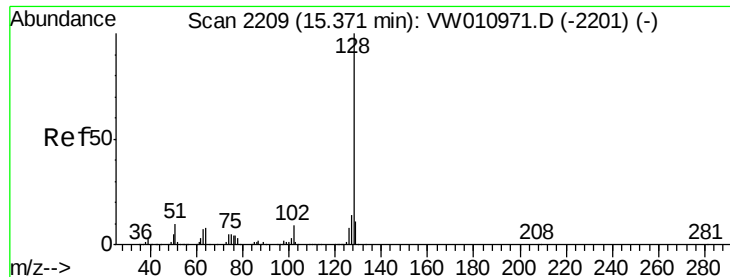
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.571 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

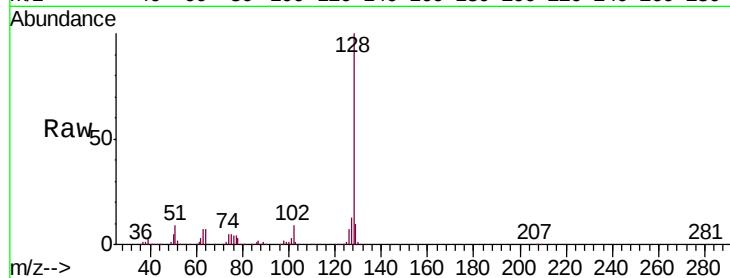
Tgt Ion:128 Resp: 376111

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.2 10.9 16.3

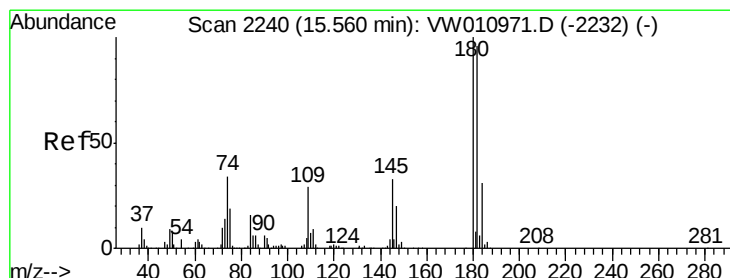
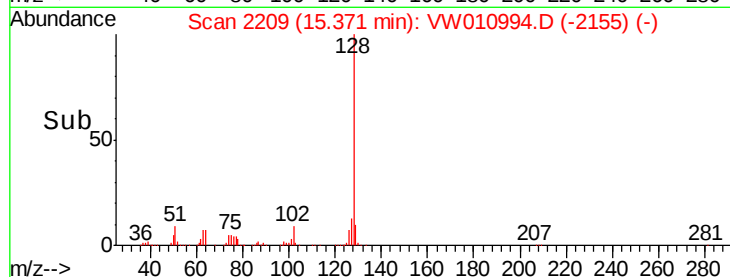
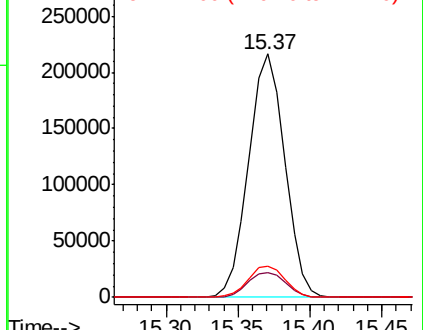


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.860 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010994.D

Acq: 26 Jun 2019 09:04

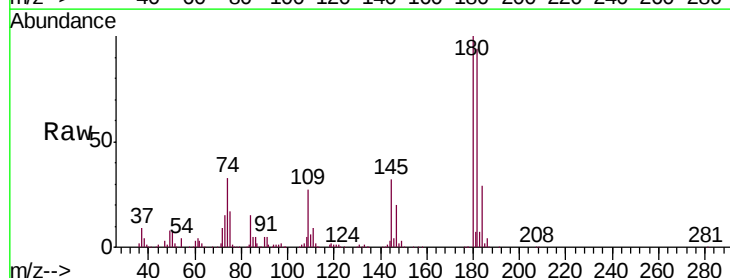
Tgt Ion:180 Resp: 155813

Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

145 32.2 25.6 38.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

