

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
 Data File : VW015612.D
 Acq On : 16 Jun 2020 17:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Jun 17 06:29:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 17 06:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	316476	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298004	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	149933	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	58829	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
7) Chloroethane-d5	2.90	69	69814	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
10) 1,1-Dichloroethene-d2	4.02	63	155273	21.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.88%
20) 2-Butanone-d5	7.09	46	54733	57.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.60%
24) Chloroform-d	7.65	84	182237	24.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	8.31	65	102217	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.27	84	333802	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
33) 1,2-Dichloropropane-d6	9.27	67	105731	23.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.24%
37) Toluene-d8	10.32	98	320909	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.36%
38) trans-1,3-Dichloropropene-	10.58	79	44886	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.40%
39) 2-Hexanone-d5	10.93	63	44963	58.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91976	27.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	117451	23.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	61704	22.070	ug/L 96
3) Chloromethane	2.21	50	64562	20.977	ug/L 99
5) Vinyl chloride	2.37	62	112074	24.214	ug/L 98
6) Bromomethane	2.79	94	72446	24.082	ug/L 99
8) Chloroethane	2.93	64	69601	24.703	ug/L 99
9) Trichlorofluoromethane	3.27	101	90586	27.501	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	95953	24.562	ug/L 99
12) 1,1-Dichloroethene	4.04	96	89406	23.692	ug/L 93
13) Acetone	4.12	43	45553	62.231	ug/L 99
14) Carbon disulfide	4.39	76	263038	20.894	ug/L 100
15) Methyl Acetate	4.67	43	42506	26.840	ug/L 99
16) Methylene chloride	4.92	84	102343	26.349	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	154432	25.788	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	97692	24.156	ug/L 99
19) 1,1-Dichloroethane	6.22	63	180901	24.869	ug/L 99
21) 2-Butanone	7.18	43	59813	53.192	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	105248	24.947	ug/L 99

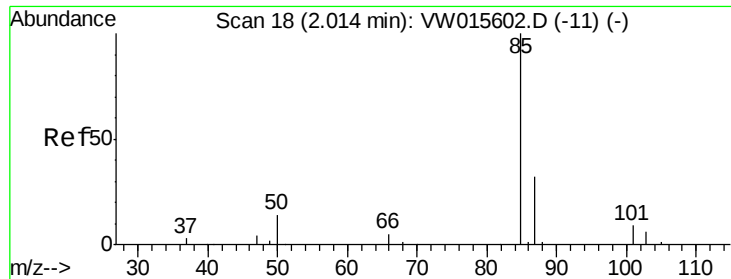
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	46324	25.464	ug/L	97
25) Chloroform	7.68	83	185874	25.378	ug/L	100
27) 1,2-Dichloroethane	8.40	62	131128	26.464	ug/L	99
30) Cyclohexane	7.96	56	161652	21.945	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	163988	24.598	ug/L	99
32) Carbon tetrachloride	8.07	117	147827	24.176	ug/L	100
34) Benzene	8.33	78	409132	24.550	ug/L	100
35) Trichloroethene	9.09	95	107591	24.035	ug/L	99
36) Methylcyclohexane	9.34	83	185581	23.244	ug/L	99
40) 1,2-Dichloropropane	9.37	63	102112	24.881	ug/L	100
41) Bromodichloromethane	9.65	83	134025	24.445	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	160237	24.399	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	128849	53.560	ug/L	100
44) Toluene	10.39	91	454742	25.045	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	141865	24.822	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	76947	26.800	ug/L	98
47) Tetrachloroethene	10.87	164	85952	24.222	ug/L	98
49) 2-Hexanone	10.97	43	91576	56.396	ug/L	100
50) Dibromochloromethane	11.13	129	89340	25.611	ug/L	98
51) 1,2-Dibromoethane	11.24	107	73204	26.558	ug/L	100
52) Chlorobenzene	11.66	112	287070	25.207	ug/L	99
53) Ethylbenzene	11.73	91	517956	24.844	ug/L	100
54) m,p-Xylene	11.84	106	193579	24.744	ug/L	99
55) o-xylene	12.17	106	184327	24.822	ug/L	98
56) Styrene	12.18	104	323461	25.492	ug/L	100
57) Isopropylbenzene	12.46	105	517619	25.023	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	91807	27.619	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	68829	27.309	ug/L	99
62) Bromoform	12.35	173	50645	24.243	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	226899	24.731	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	223791	24.894	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	202735	25.428	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	15442	25.532	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	160953	25.339	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	135083	26.405	ug/L	96
69) Naphthalene	15.37	128	251206	27.043	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	114504	26.309	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.070 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

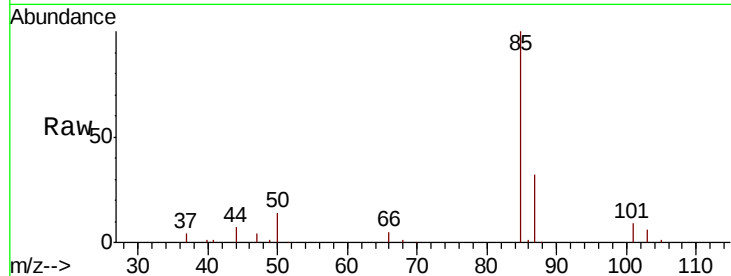
VSTD02509

Tot Ion: 85 Resp: 61704

Ion Ratio Lower Upper

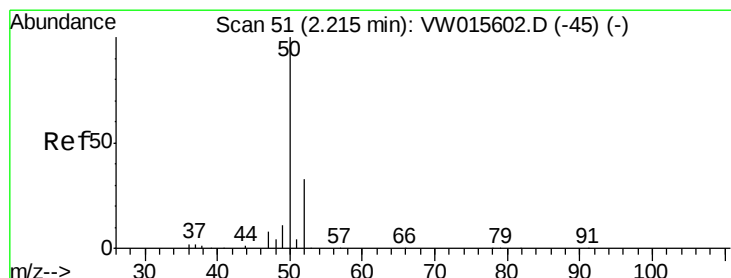
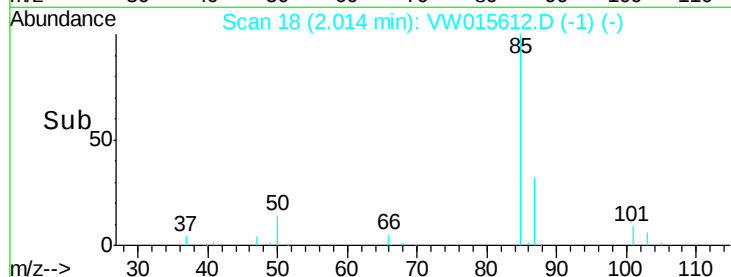
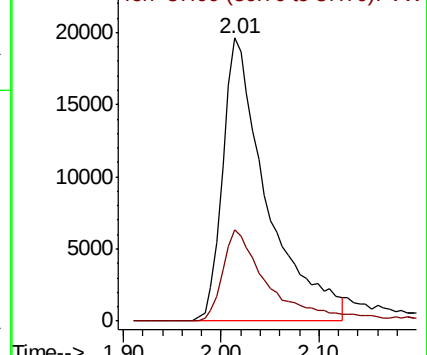
85 100

87 32.2 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.977 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015612.D

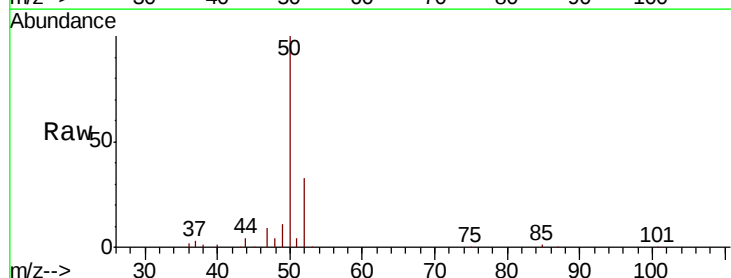
Acq: 16 Jun 2020 17:04

Tgt Ion: 50 Resp: 64562

Ion Ratio Lower Upper

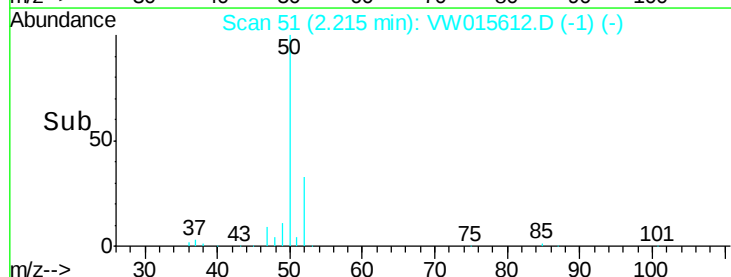
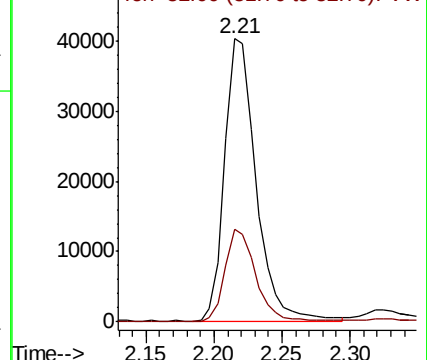
50 100

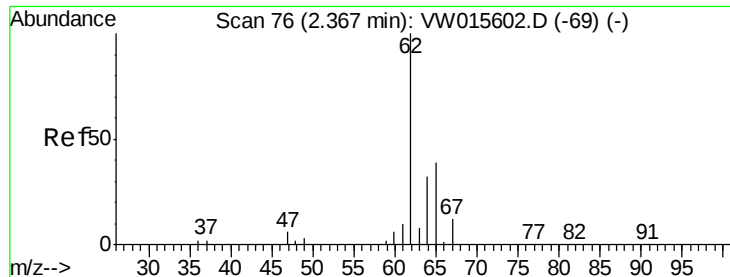
52 32.5 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.214 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

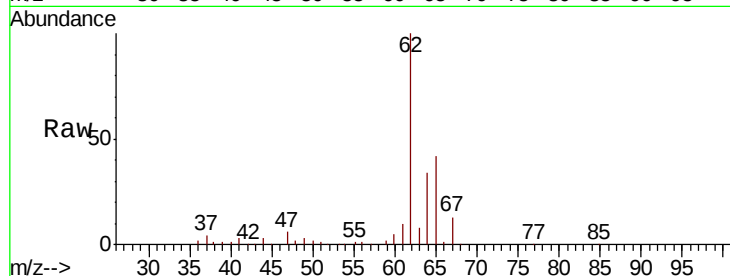
VSTD02509

Tot Ion: 62 Resp: 112074

Ion Ratio Lower Upper

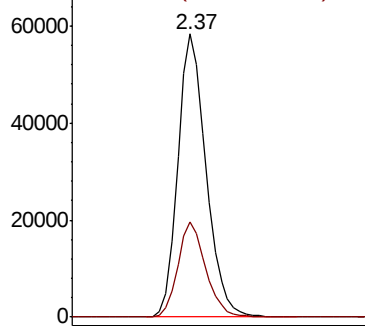
62 100

64 33.6 22.6 42.0

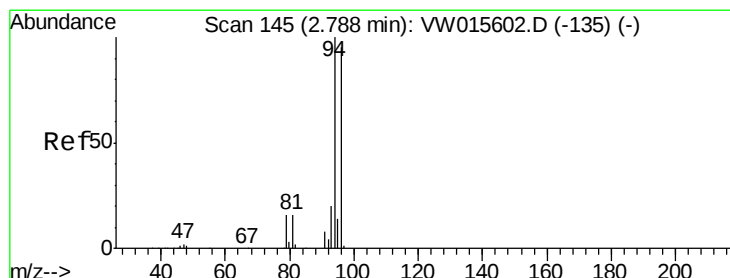
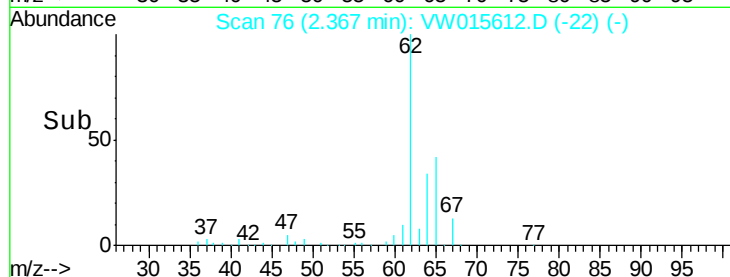


Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



Time-->



#6

Bromomethane

Concen: 24.082 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW015612.D

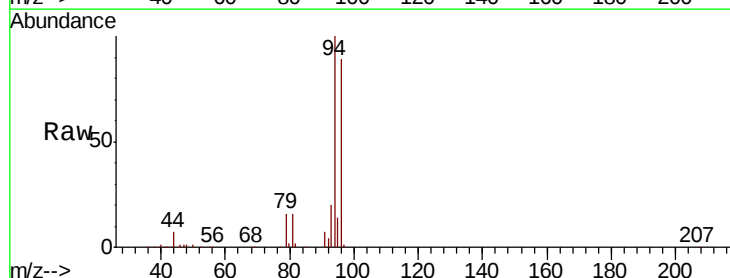
Acq: 16 Jun 2020 17:04

Tgt Ion: 94 Resp: 72446

Ion Ratio Lower Upper

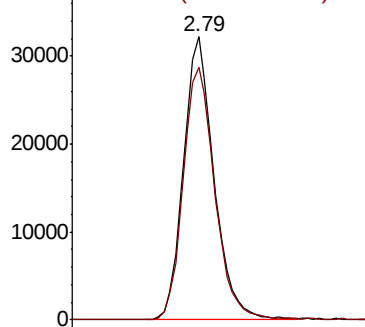
94 100

96 92.5 9.3 177.5

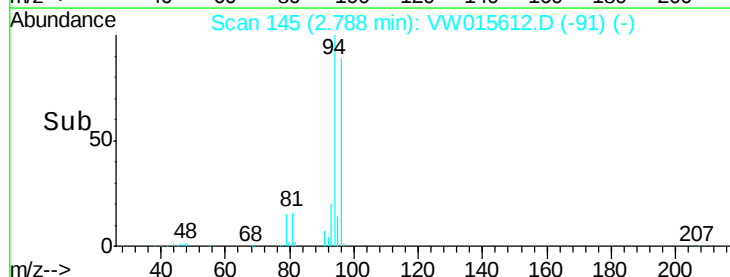


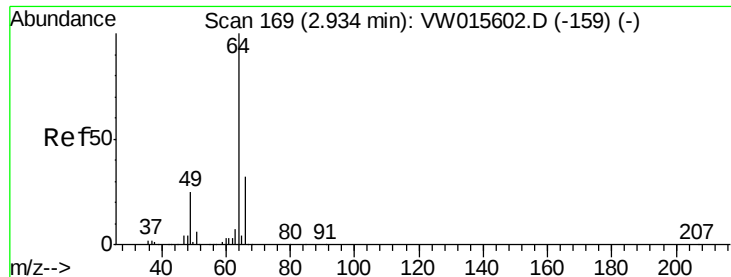
Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW



Time-->





#8

Chloroethane

Concen: 24.703 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

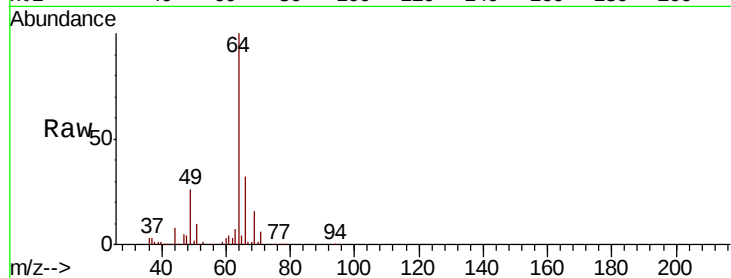
VSTD02509

Tot Ion: 64 Resp: 69601

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

25000

20000

15000

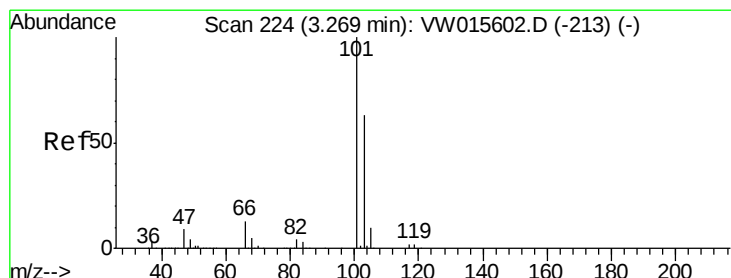
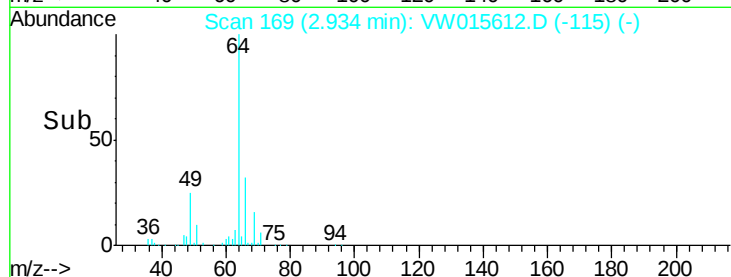
10000

5000

0

Time-->

2.80 2.90 3.00 3.10



#9

Trichlorofluoromethane

Concen: 27.501 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW015612.D

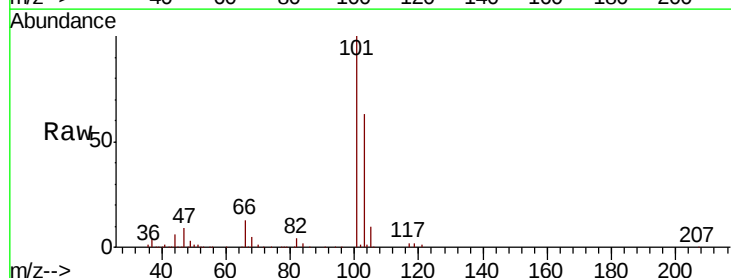
Acq: 16 Jun 2020 17:04

Tgt Ion: 101 Resp: 90586

Ion Ratio Lower Upper

101 100

103 64.1 46.6 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

40000

30000

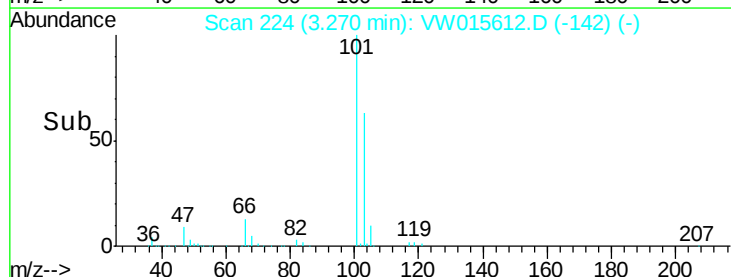
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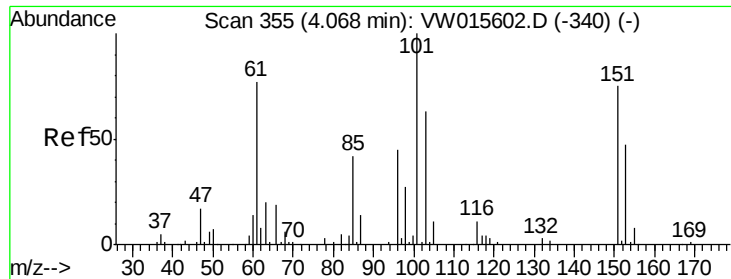
10000

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Time-->

3.20 3.30 3.40





#11

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

Concen: 24.562 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

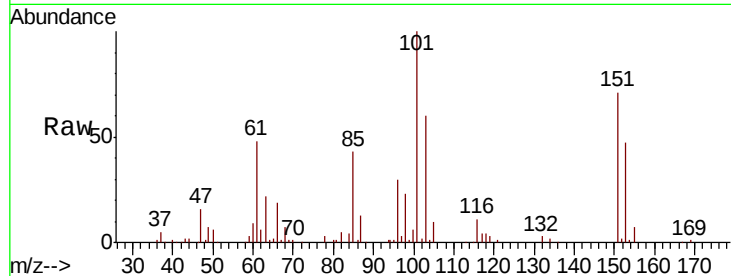
Tot Ion:101 Resp: 95953

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

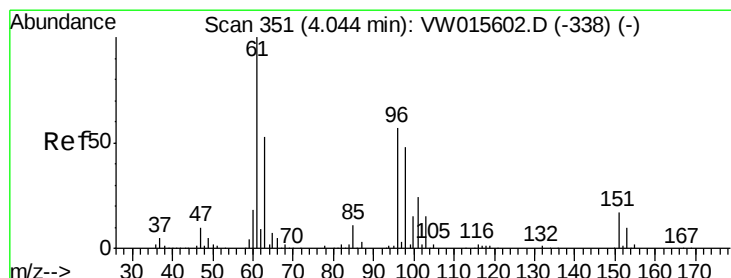
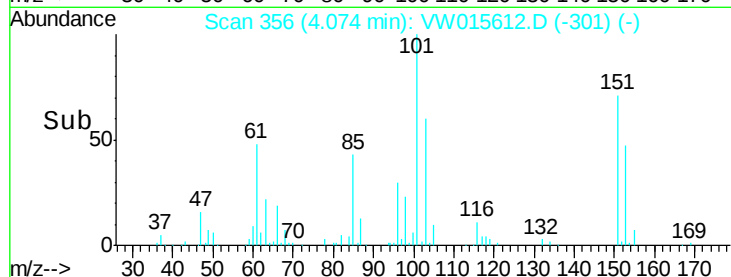
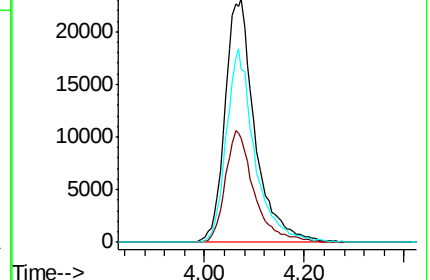
151 74.7 58.6 87.8



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: 23.692 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

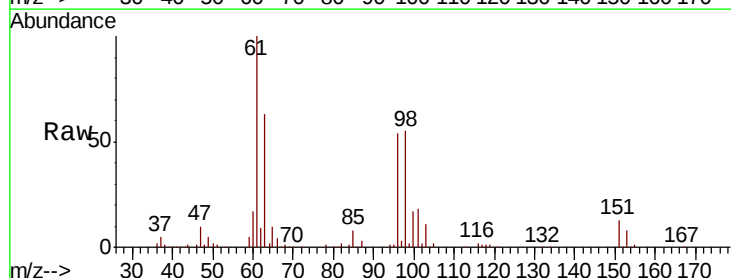
Tgt Ion: 96 Resp: 89406

Ion Ratio Lower Upper

96 100

61 186.0 127.7 237.1

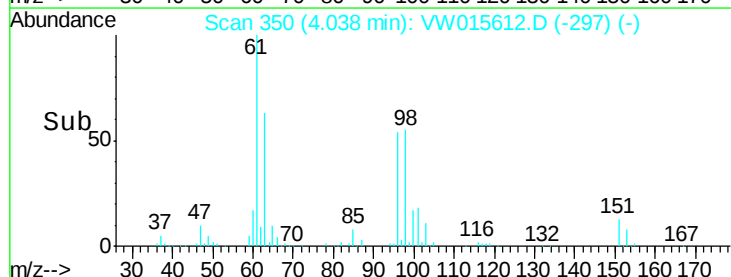
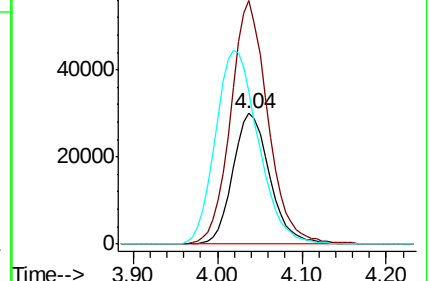
63 116.7 92.3 171.5

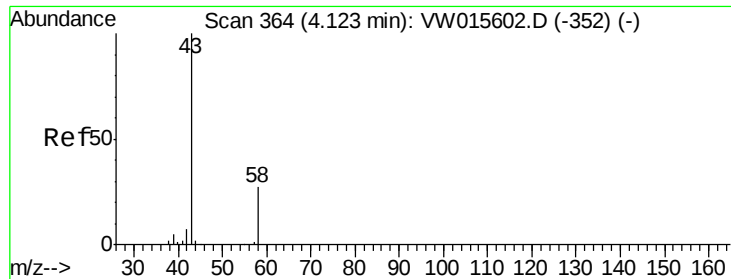


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.231 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

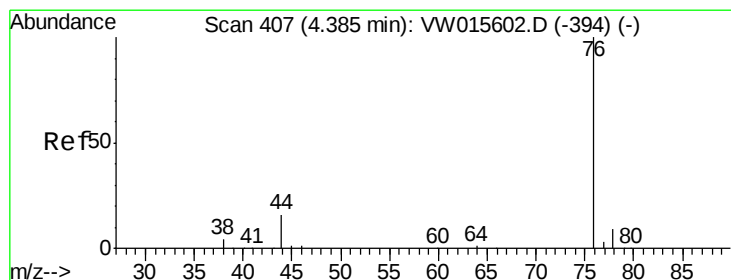
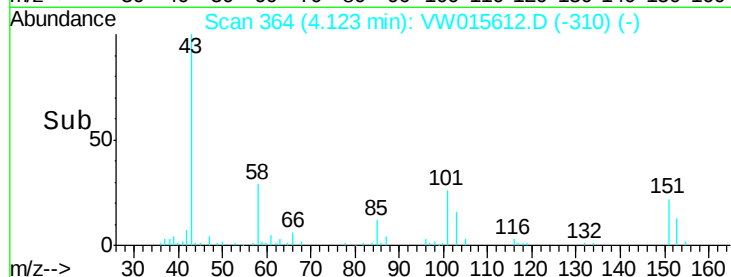
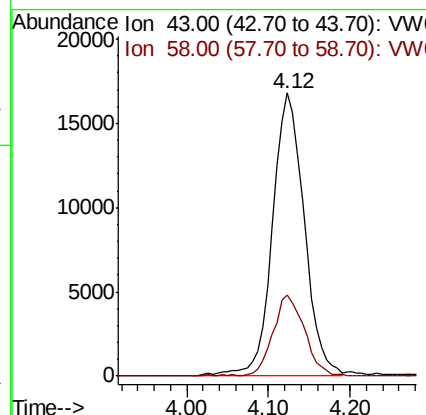
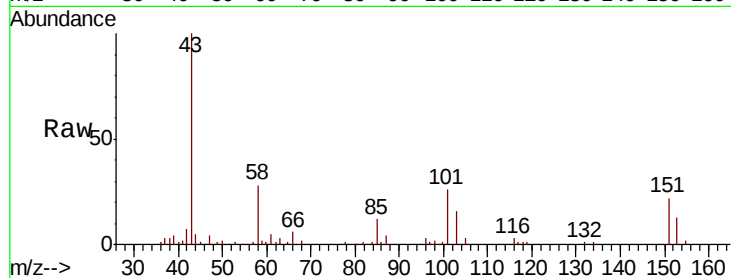
VSTD02509

Tot Ion: 43 Resp: 45553

Ion Ratio Lower Upper

43 100

58 28.0 0.0 56.8



#14

Carbon disulfide

Concen: 20.894 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015612.D

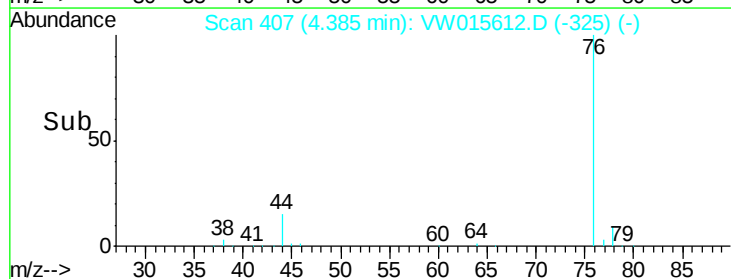
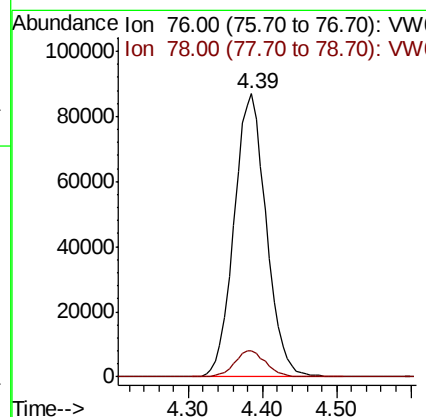
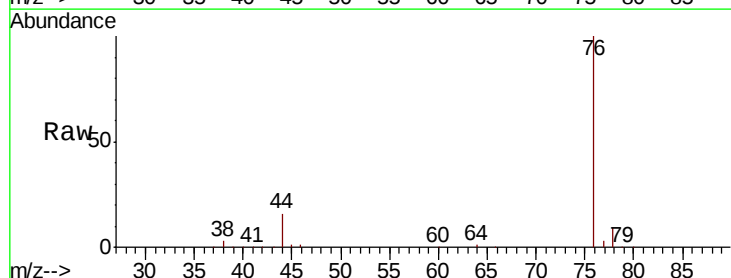
Acq: 16 Jun 2020 17:04

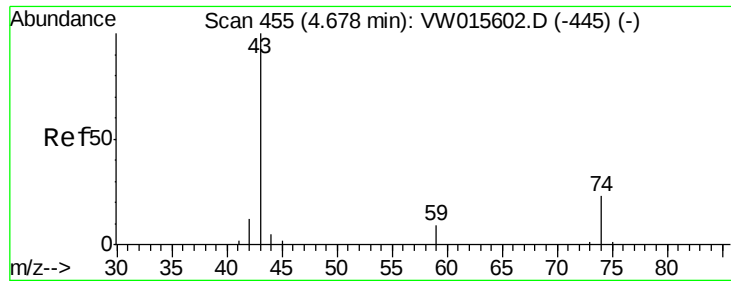
Tgt Ion: 76 Resp: 263038

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

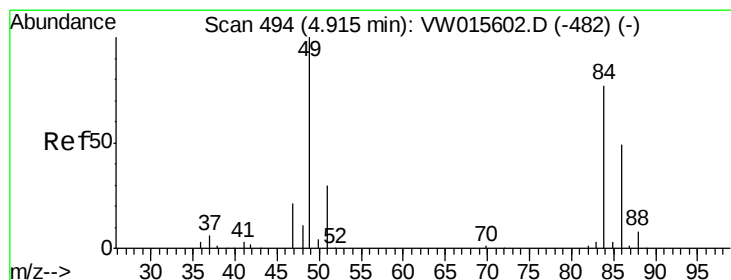
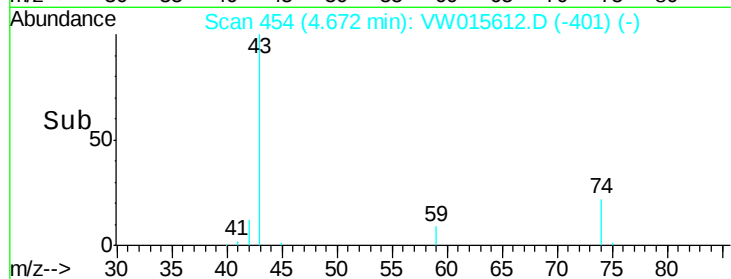
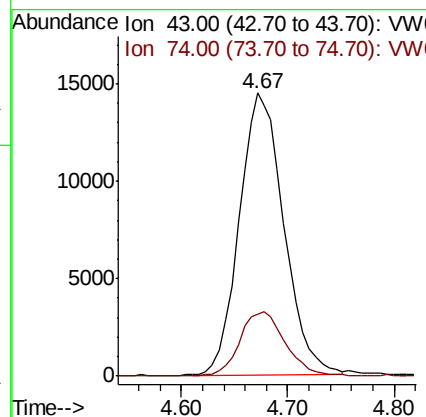
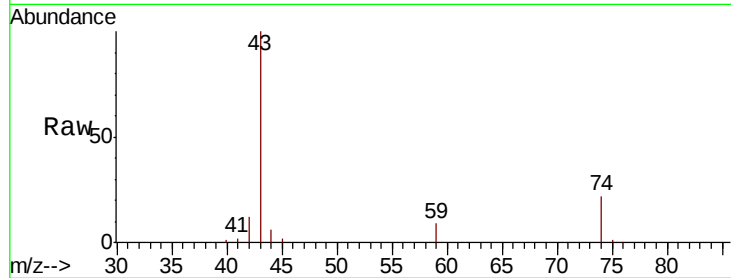




#15
Methvl Acetate
Concen: 26.840 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

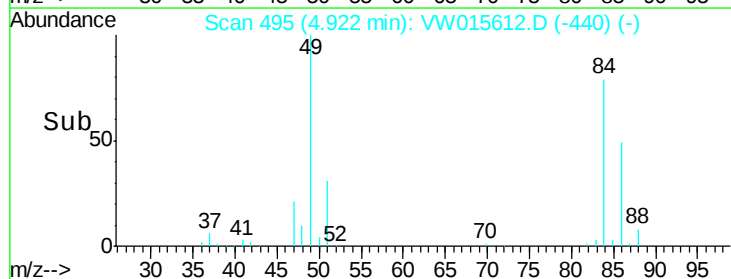
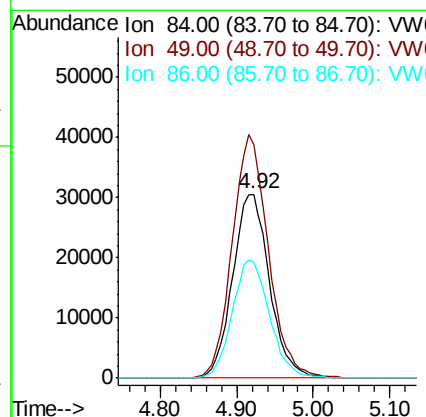
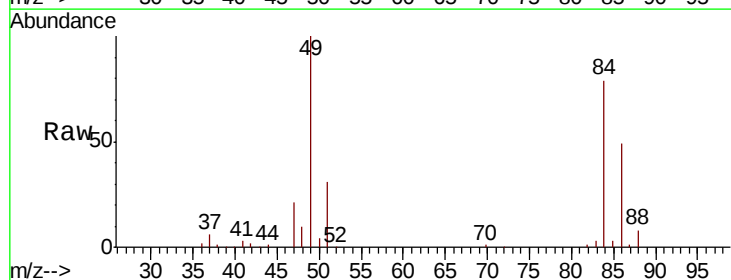
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

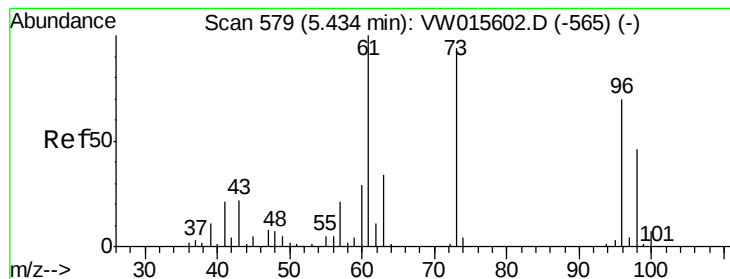
Tot Ion: 43 Resp: 42506
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.2



#16
Methylene chloride
Concen: 26.349 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion: 84 Resp: 102343
Ion Ratio Lower Upper
84 100
49 126.7 93.0 172.8
86 62.7 44.7 83.1



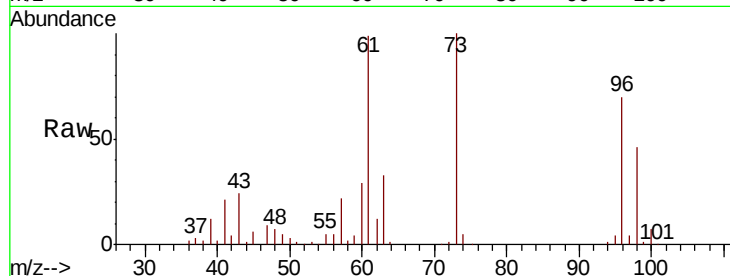


#17

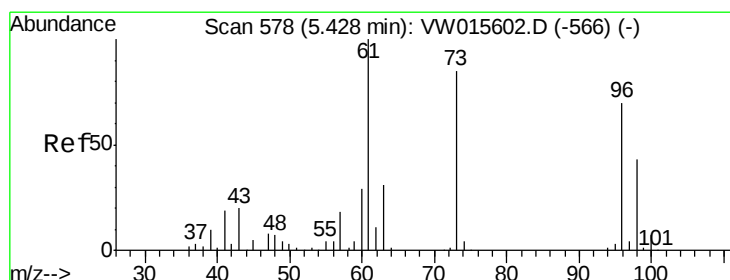
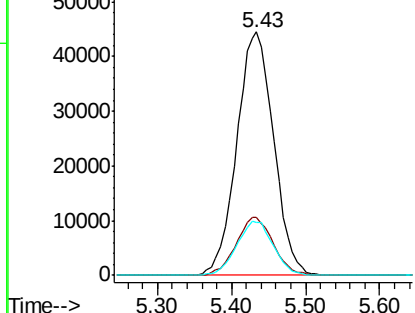
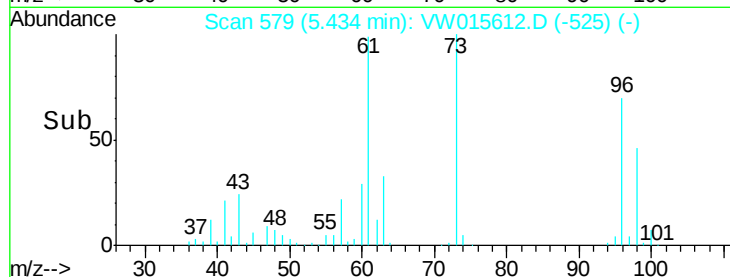
Methvl tert-butvl Ether
 Concen: 25.788 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion: 73 Resp: 154432
 Ion Ratio Lower Upper
 73 100
 43 23.8 19.6 29.4
 57 22.1 17.7 26.5



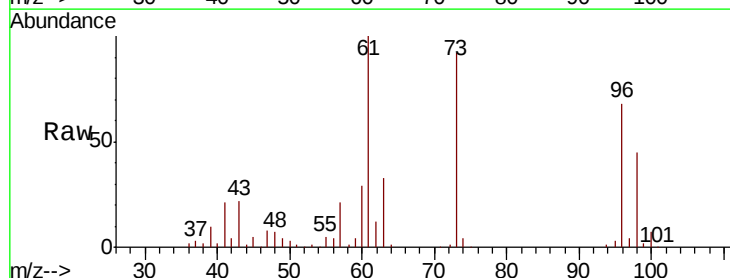
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



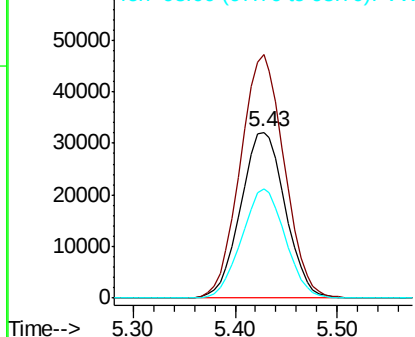
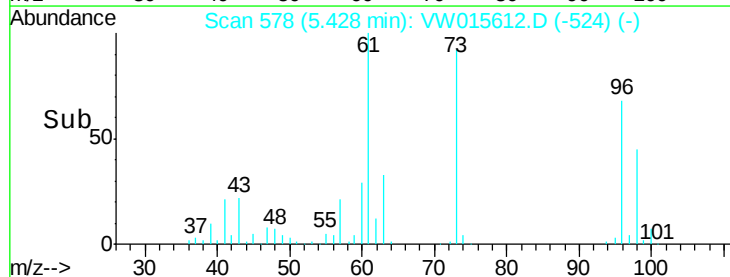
#18

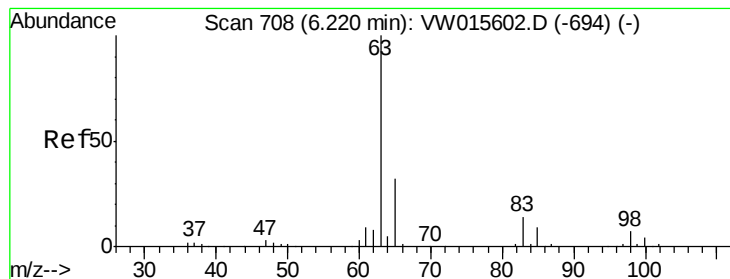
trans-1,2-Dichloroethene
 Concen: 24.156 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Tgt Ion: 96 Resp: 97692
 Ion Ratio Lower Upper
 96 100
 61 146.5 101.9 189.3
 98 66.1 44.9 83.5



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: 24.869 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

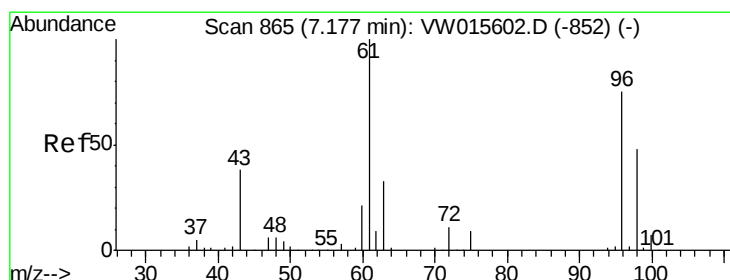
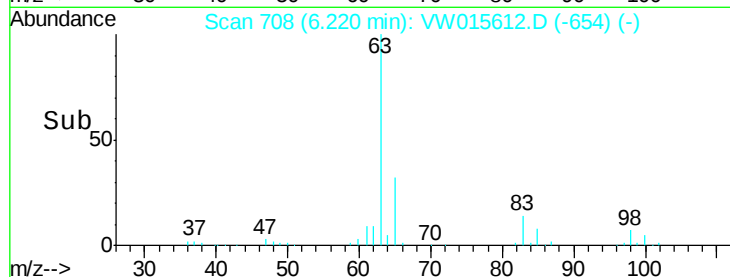
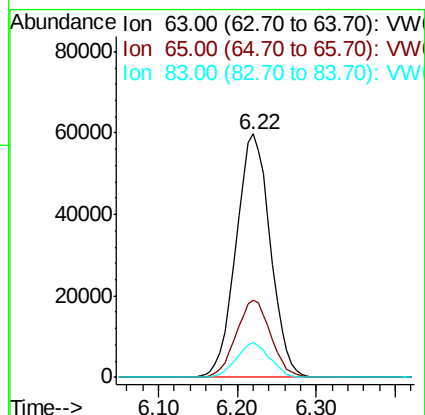
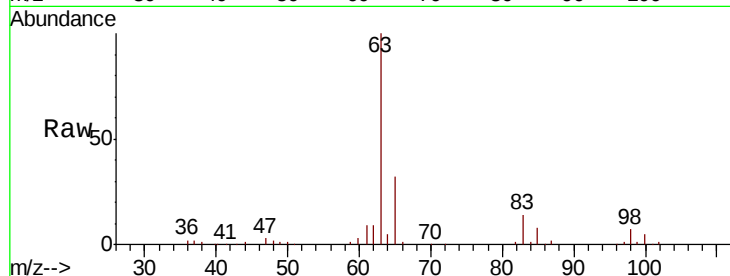
Tot Ion: 63 Resp: 180901

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

83 14.4 9.7 17.9



#21

2-Butanone

Concen: 53.192 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015612.D

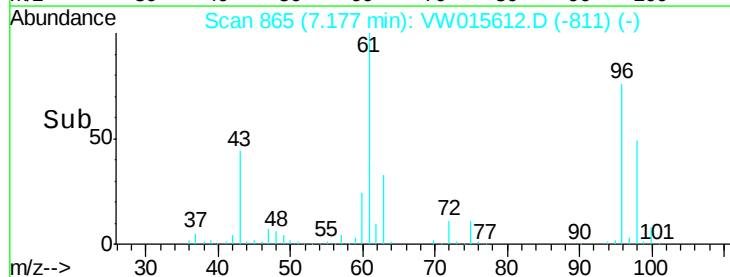
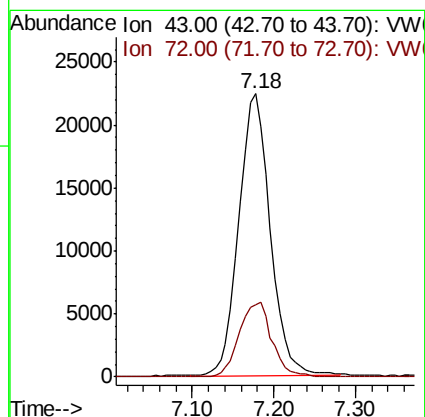
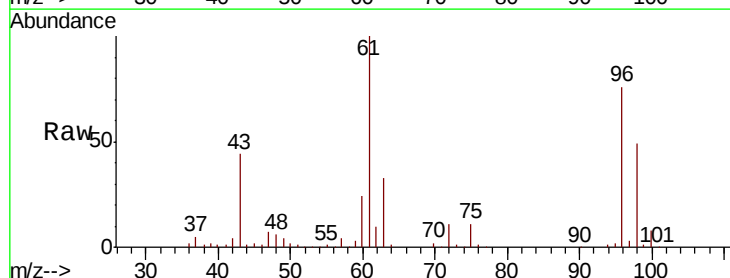
Acq: 16 Jun 2020 17:04

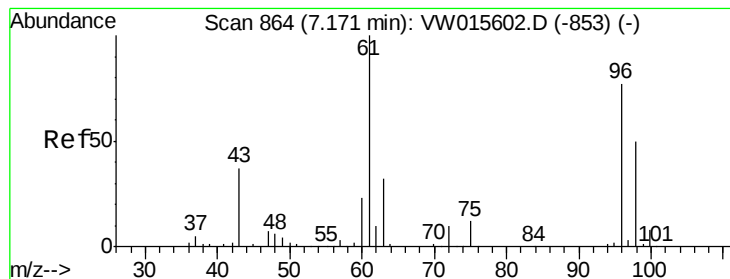
Tgt Ion: 43 Resp: 59813

Ion Ratio Lower Upper

43 100

72 27.5 13.3 39.9



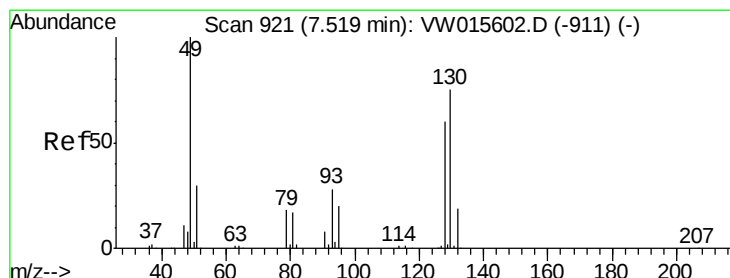
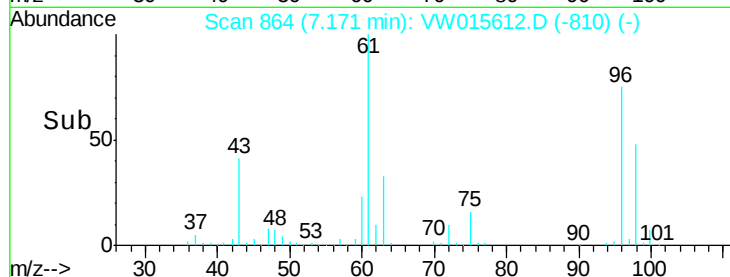
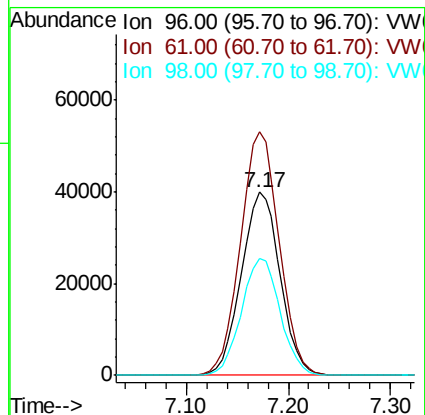
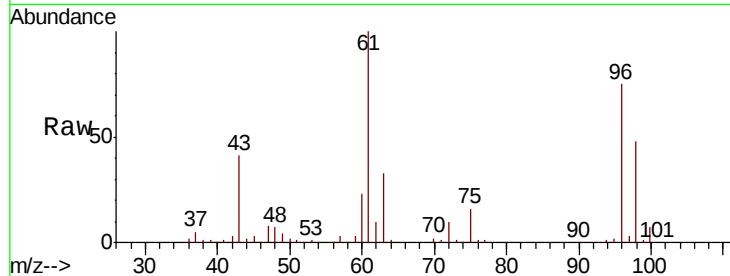


#22

cis-1,2-Dichloroethene
Concen: 24.947 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

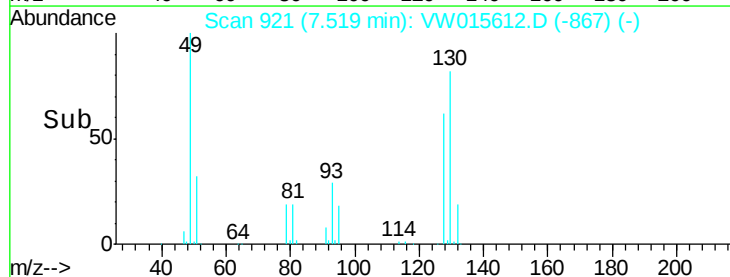
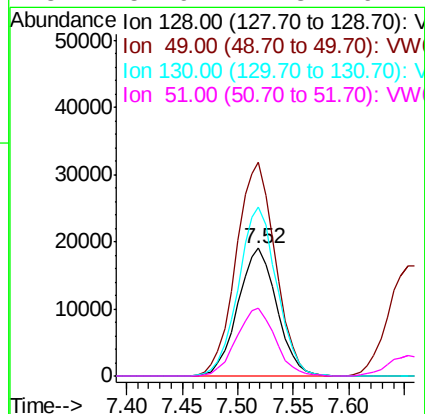
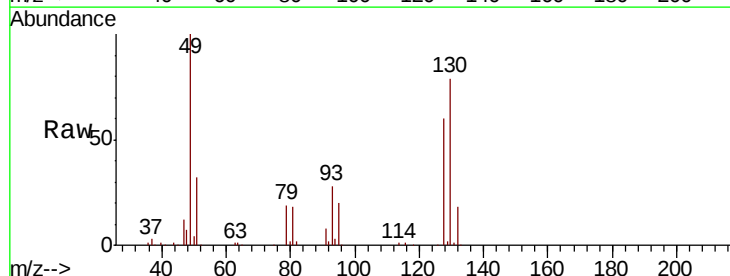
Tot Ion: 96 Resp: 105248
Ion Ratio Lower Upper
96 100
61 132.9 93.7 173.9
98 64.0 45.1 83.9

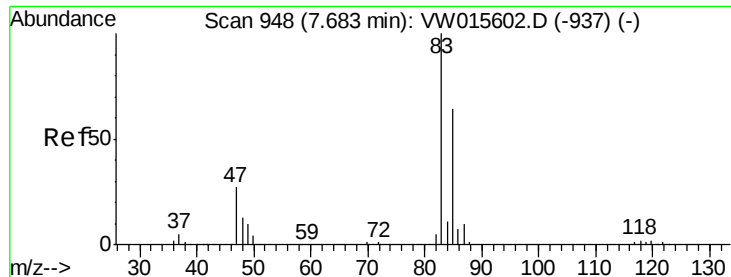


#23

Bromochloromethane
Concen: 25.464 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion: 128 Resp: 46324
Ion Ratio Lower Upper
128 100
49 166.9 118.1 219.3
130 132.4 88.5 164.3
51 52.9 42.8 64.2

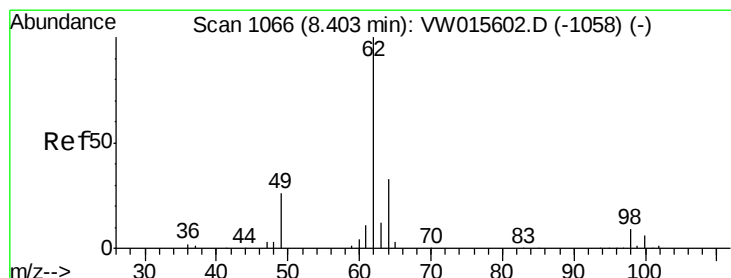
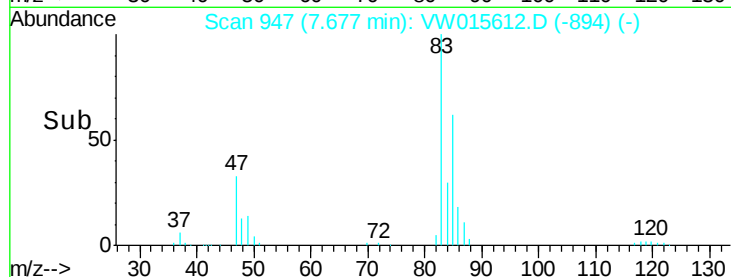
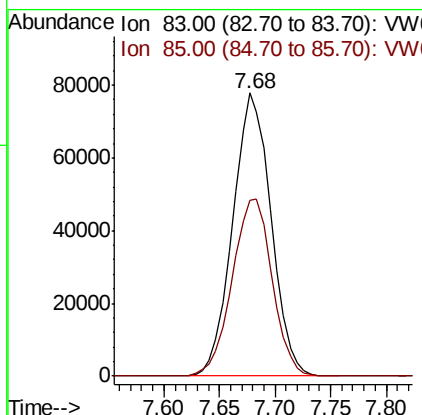
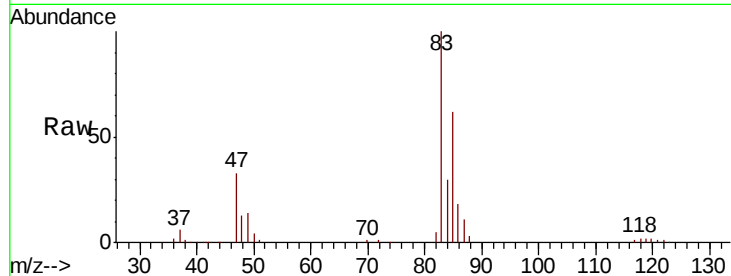




#25
Chloroform
Concen: 25.378 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

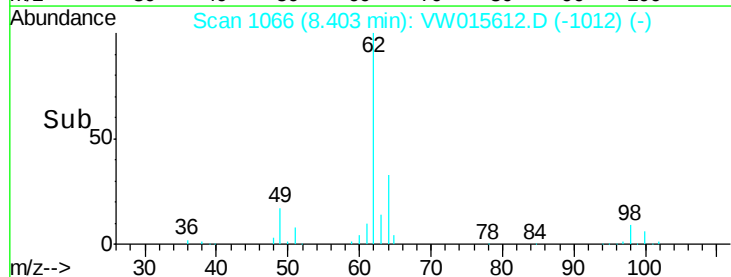
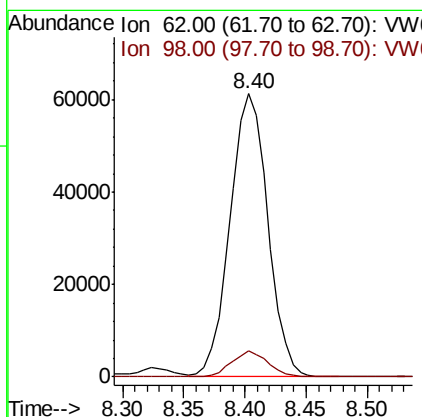
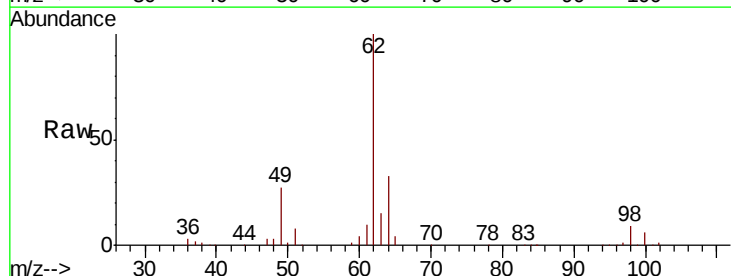
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

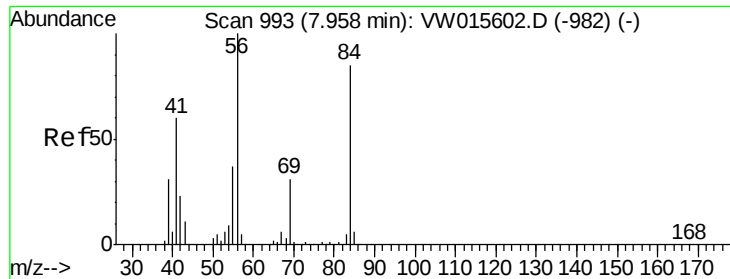
Tot Ion: 83 Resp: 185874
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 26.464 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion: 62 Resp: 131128
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

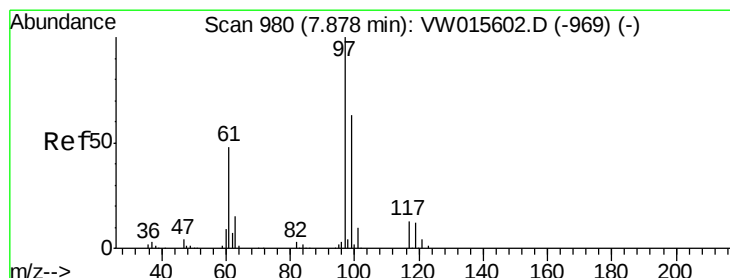
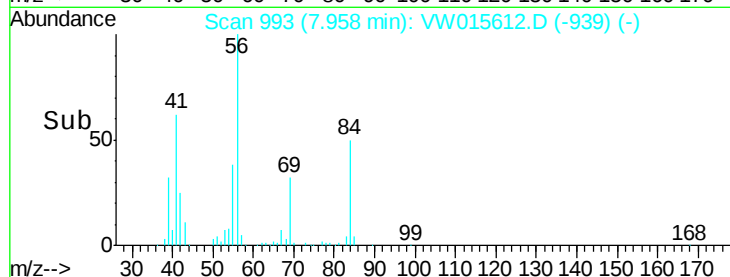
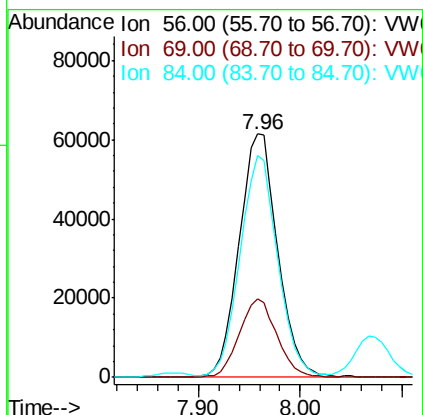
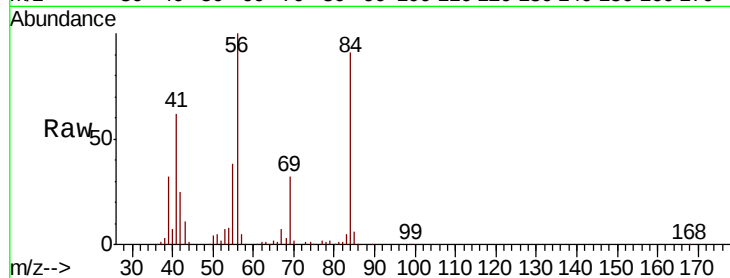




#30
Cyclohexane
Concen: 21.945 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

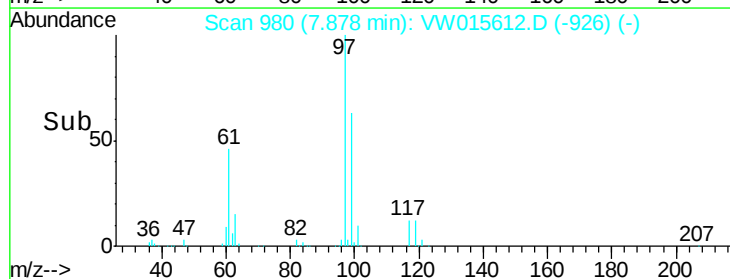
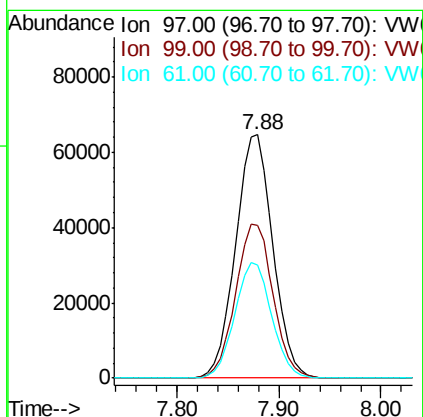
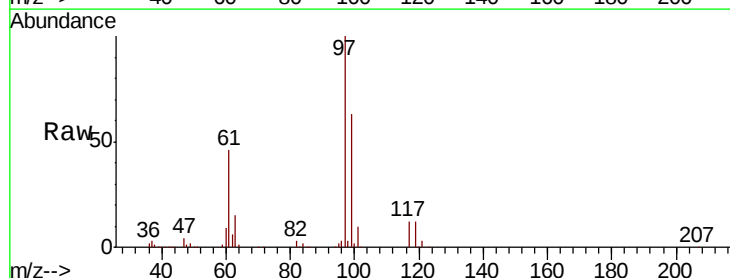
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

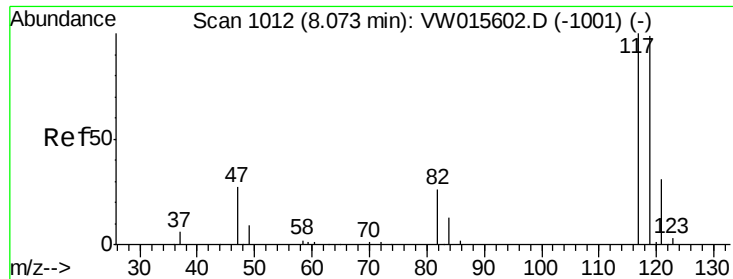
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.6	37.0
84	89.2	69.6	104.4



#31
1,1,1-Trichloroethane
Concen: 24.598 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	47.0	38.1	57.1





#32

Carbon tetrachloride

Concen: 24.176 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

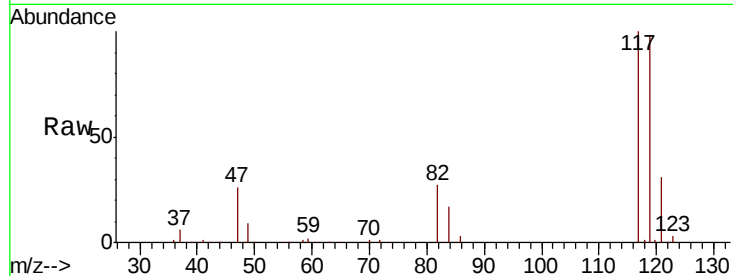
VSTD02509

Tot Ion:117 Resp: 147827

Ion Ratio Lower Upper

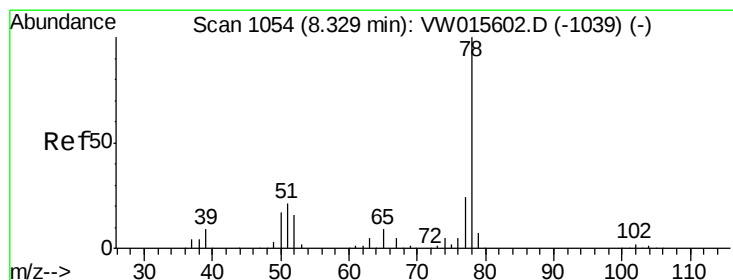
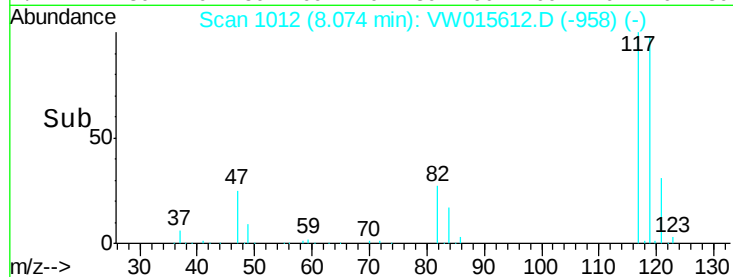
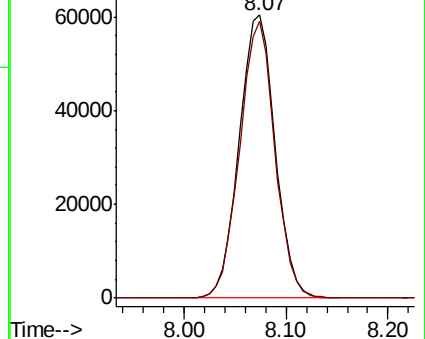
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.550 ug/L

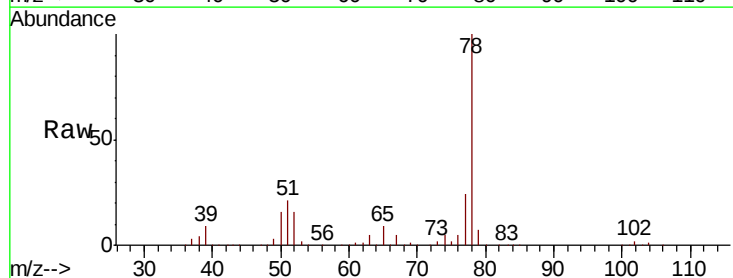
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

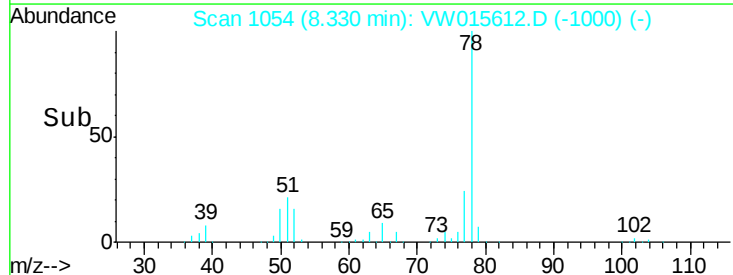
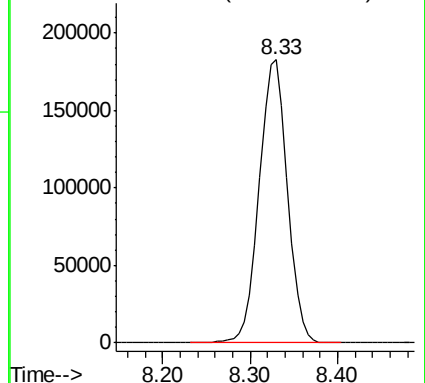
Lab File: VW015612.D

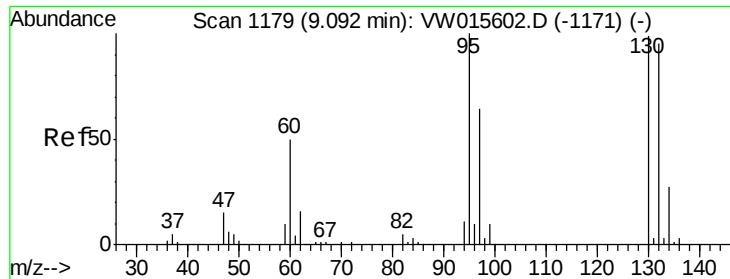
Acq: 16 Jun 2020 17:04

Tgt Ion: 78 Resp: 409132



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.035 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tot Ion: 95 Resp: 107591

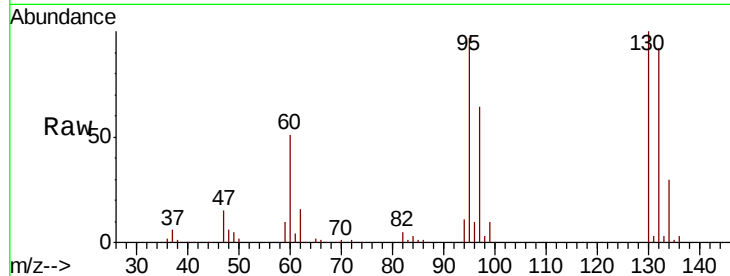
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 96.2 67.1 124.7

130 100.5 69.4 128.8

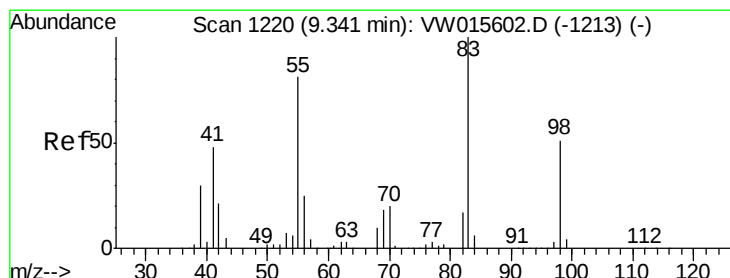
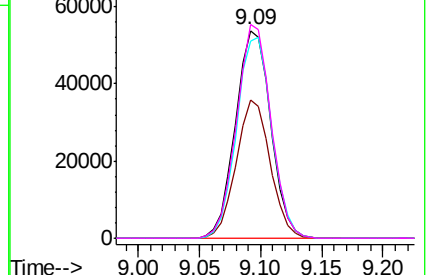
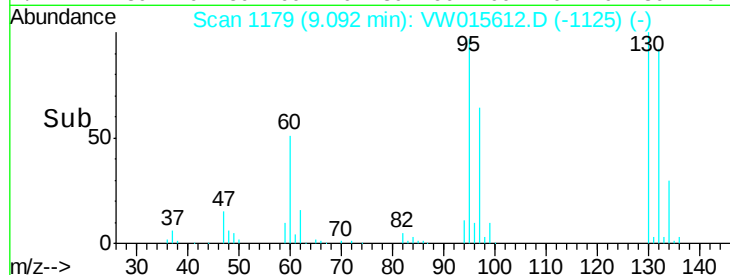


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.244 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

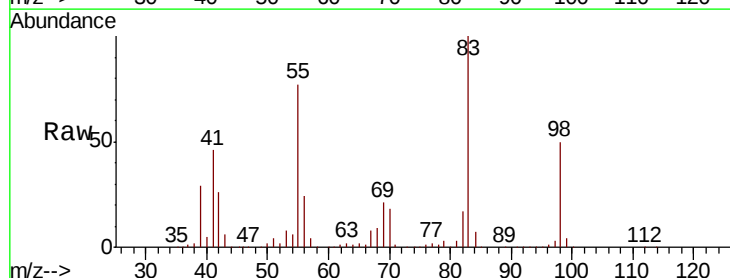
Tgt Ion: 83 Resp: 185581

Ion Ratio Lower Upper

83 100

55 77.4 62.8 94.2

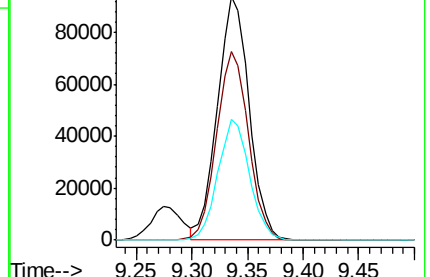
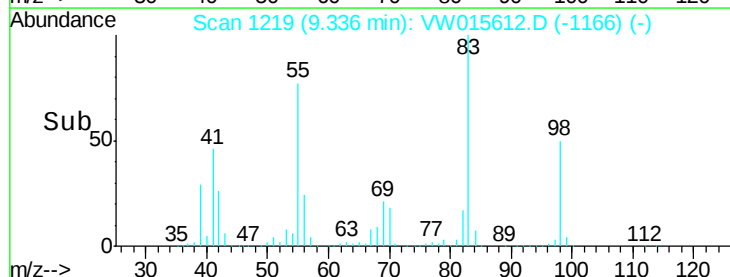
98 49.2 39.2 58.8

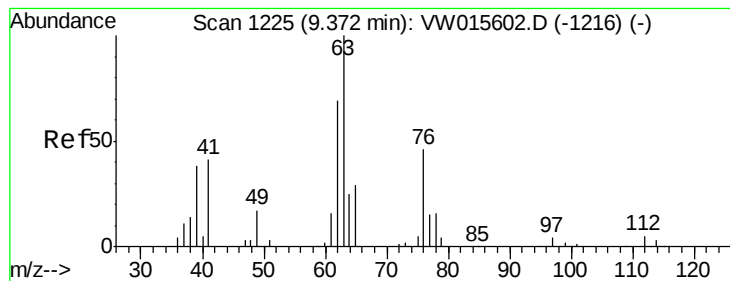


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.881 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

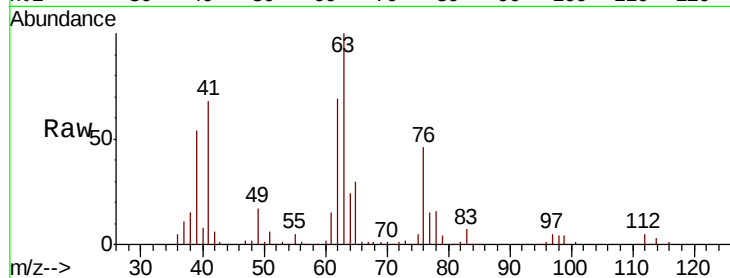
VSTD02509

Tot Ion: 63 Resp: 102112

Ion Ratio Lower Upper

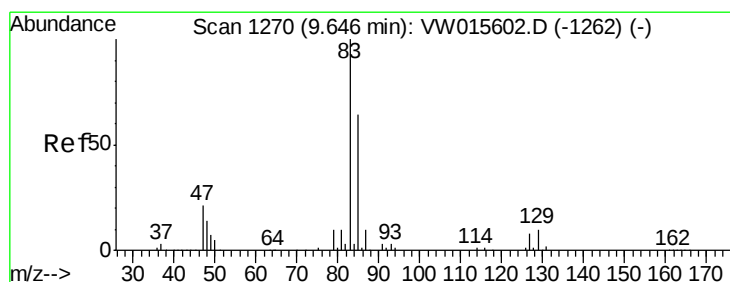
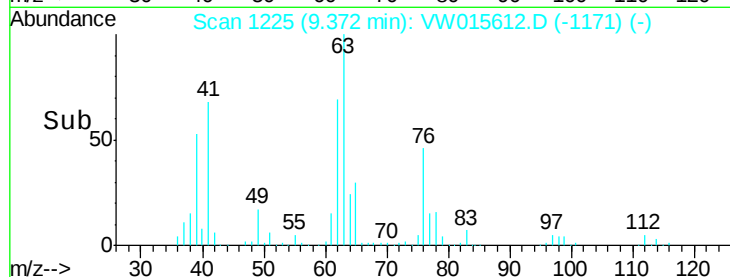
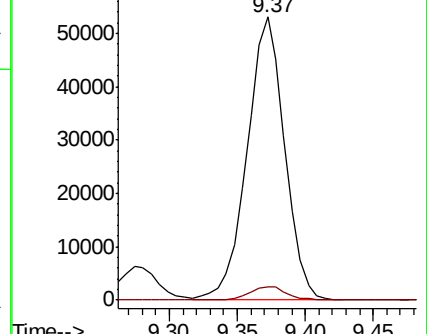
63 100

112 4.8 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.445 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

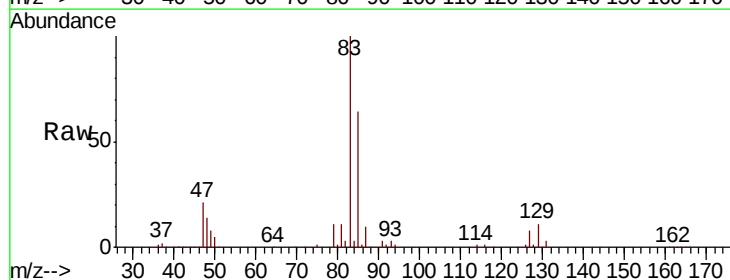
Tgt Ion: 83 Resp: 134025

Ion Ratio Lower Upper

83 100

85 64.3 44.8 83.2

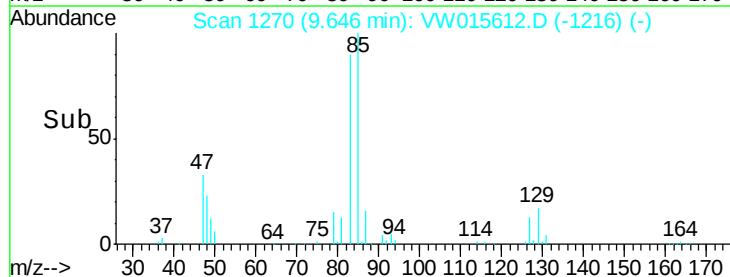
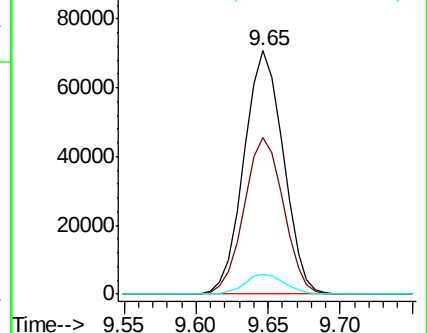
127 8.1 7.0 10.6

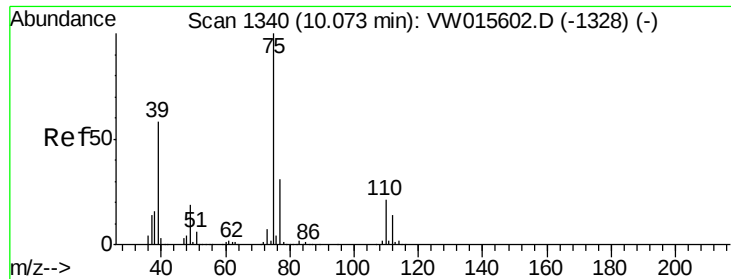


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.399 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

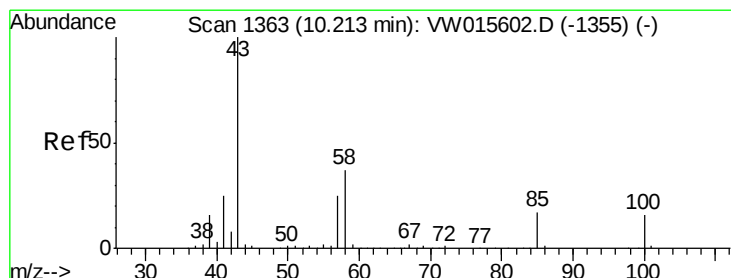
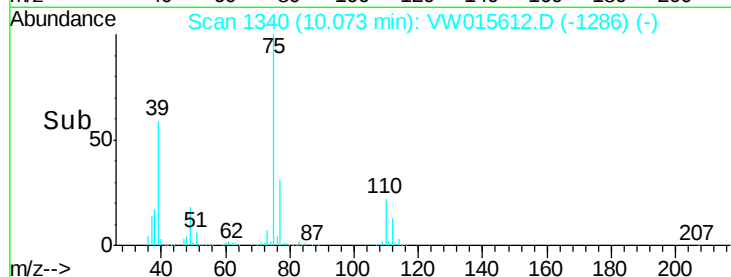
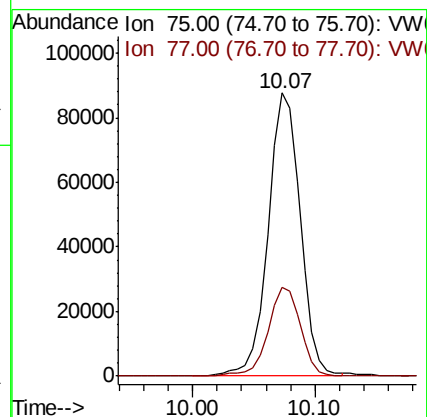
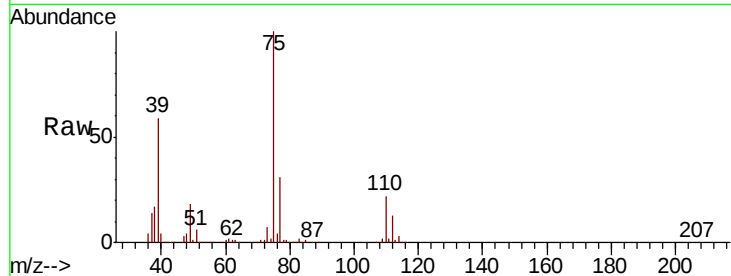
VSTD02509

Tot Ion: 75 Resp: 160237

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 53.560 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

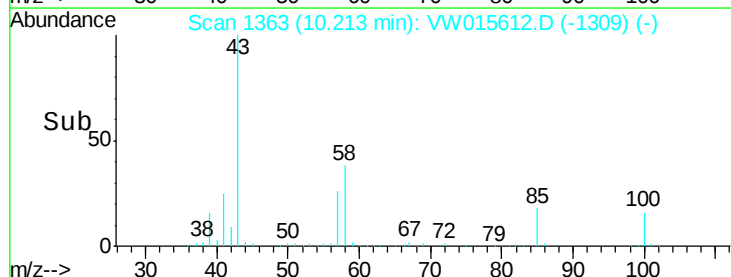
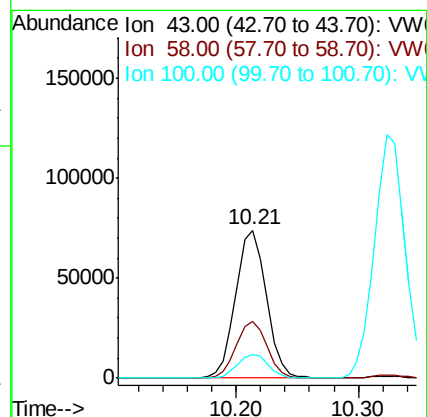
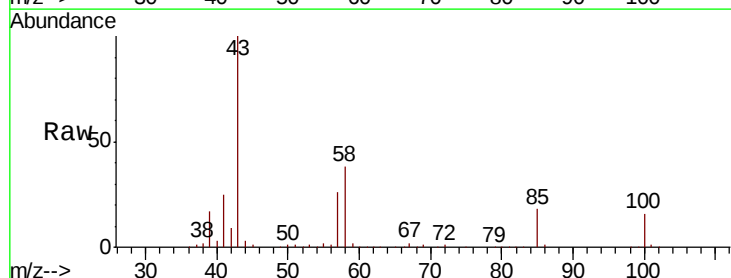
Tgt Ion: 43 Resp: 128849

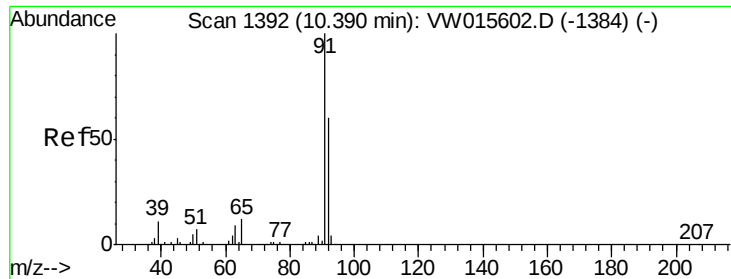
Ion Ratio Lower Upper

43 100

58 38.3 30.6 46.0

100 15.9 12.5 18.7





#44

Toluene

Concen: 25.045 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

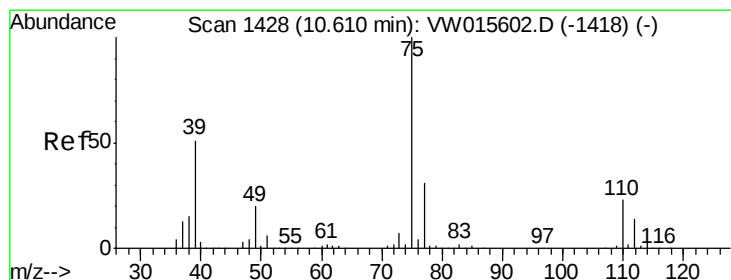
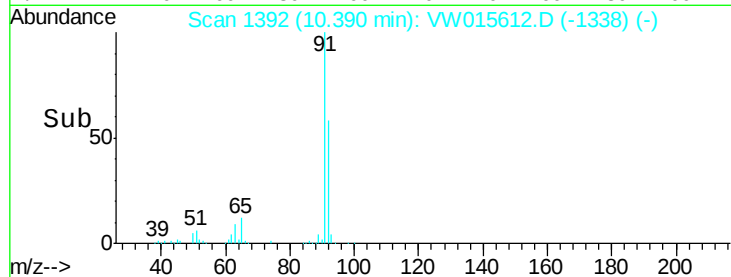
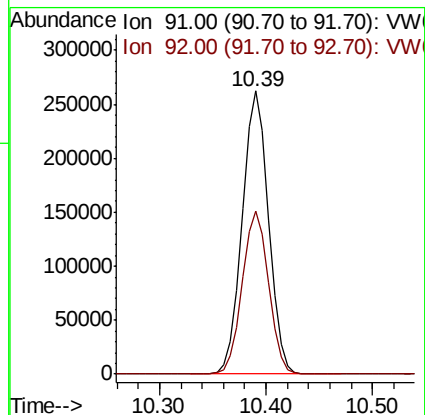
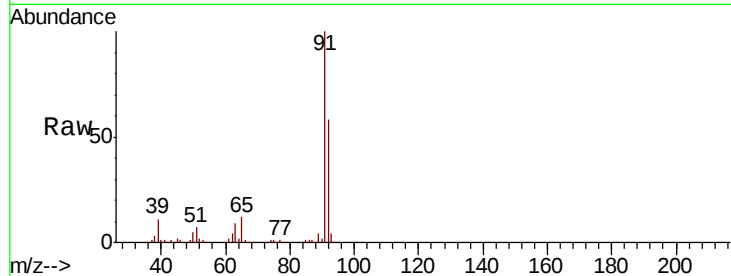
VSTD02509

Tot Ion: 91 Resp: 454742

Ion Ratio Lower Upper

91 100

92 57.7 41.7 77.5



#45

trans-1,3-Dichloropropene

Concen: 24.822 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015612.D

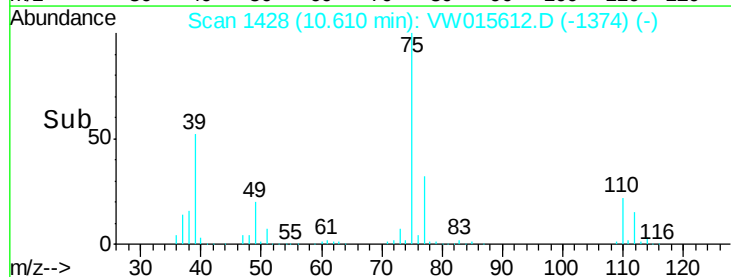
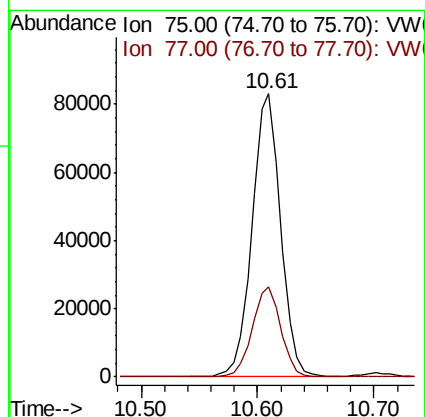
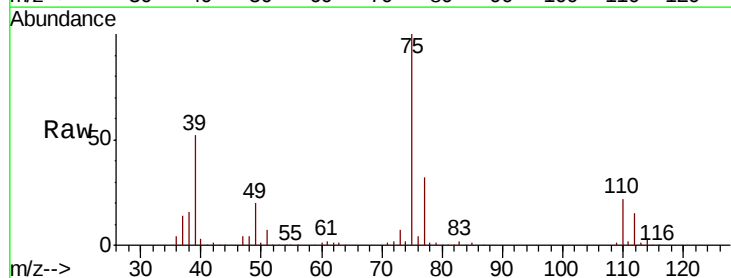
Acq: 16 Jun 2020 17:04

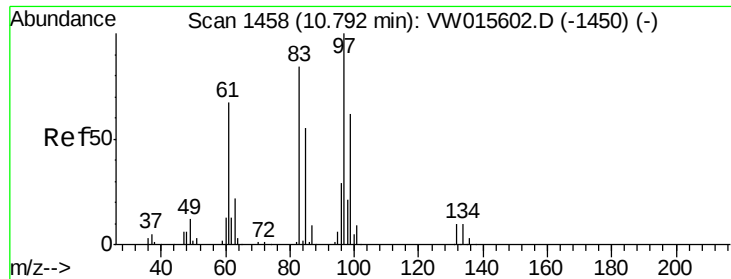
Tgt Ion: 75 Resp: 141865

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9

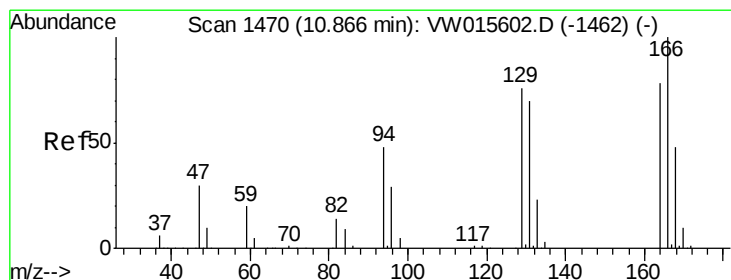
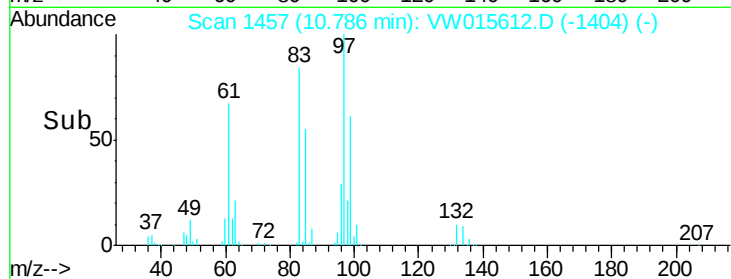
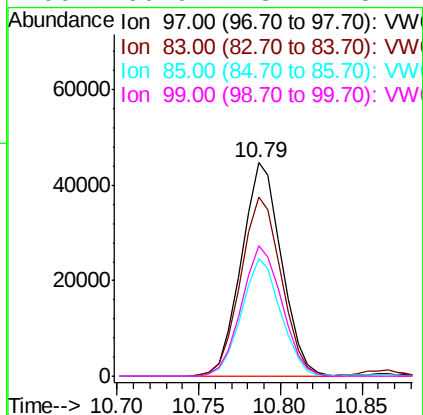
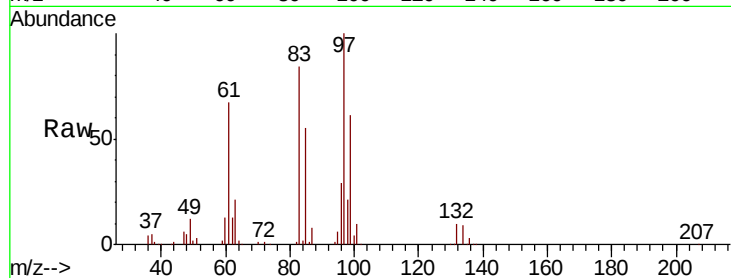




#46
1,1,2-Trichloroethane
Concen: 26.800 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

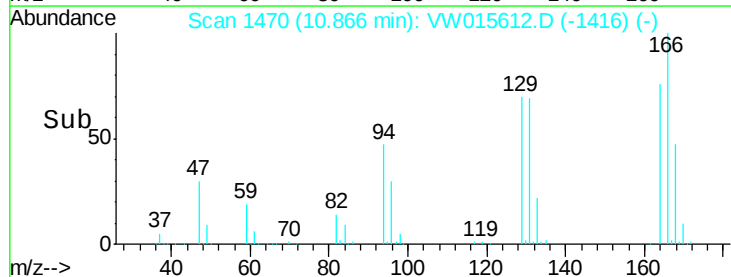
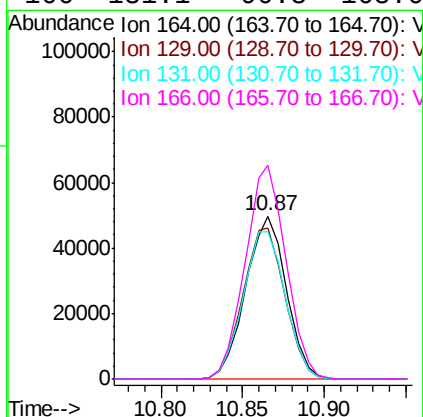
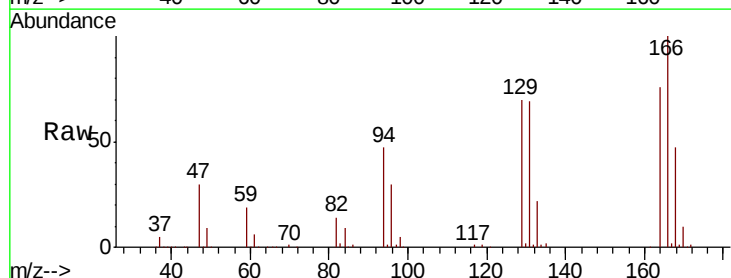
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

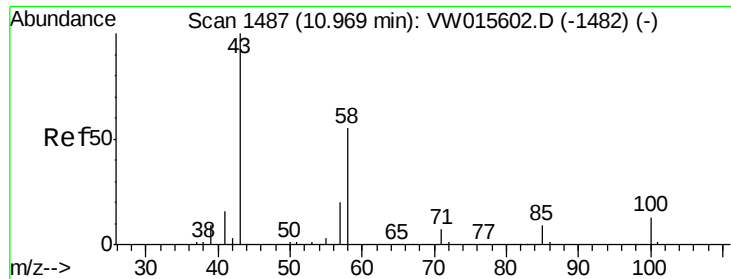
Tot Ion:	97	Resp:	76947
Ion	Ratio	Lower	Upper
97	100		
83	84.1	58.2	108.2
85	54.9	37.4	69.4
99	60.9	43.7	81.1



#47
Tetrachloroethene
Concen: 24.222 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion:	164	Resp:	85952
Ion	Ratio	Lower	Upper
164	100		
129	92.4	66.3	123.1
131	90.0	65.1	120.9
166	131.1	90.8	168.6

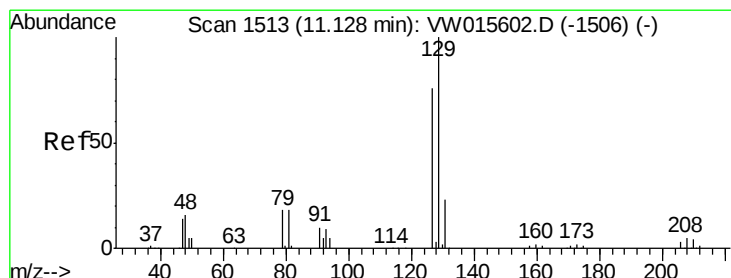
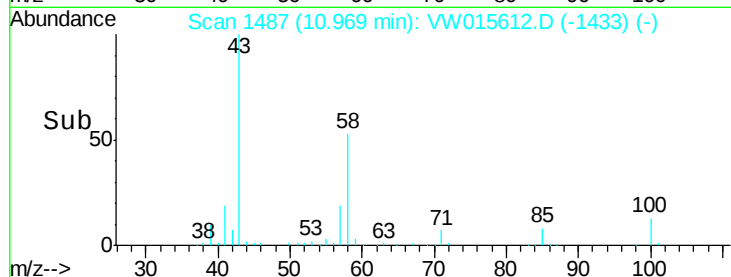
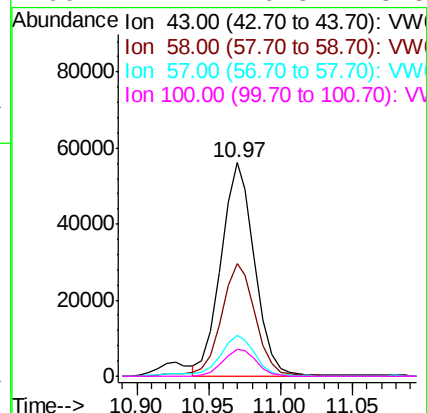
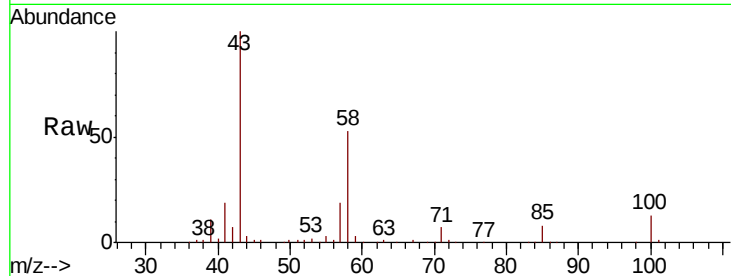




#49
2-Hexanone
Concen: 56.396 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

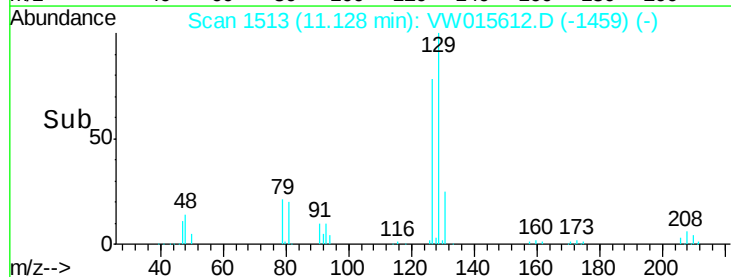
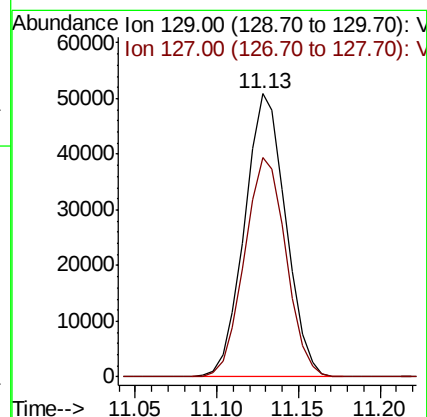
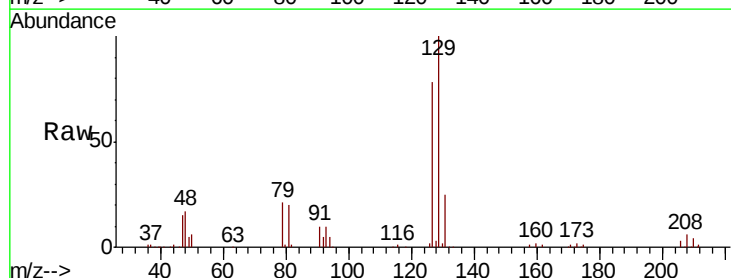
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

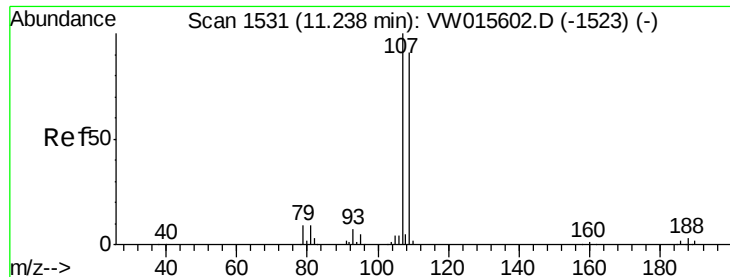
Tot Ion: 43 Resp: 91576
Ion Ratio Lower Upper
43 100
58 53.3 42.6 64.0
57 19.2 15.5 23.3
100 12.7 10.3 15.5



#50
Dibromochloromethane
Concen: 25.611 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion: 129 Resp: 89340
Ion Ratio Lower Upper
129 100
127 77.7 53.0 98.4

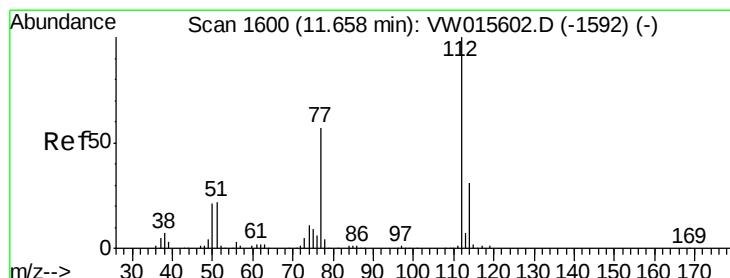
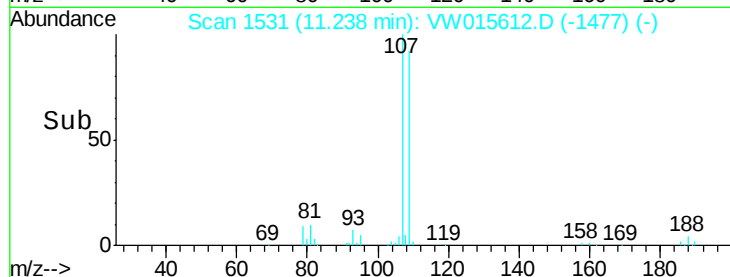
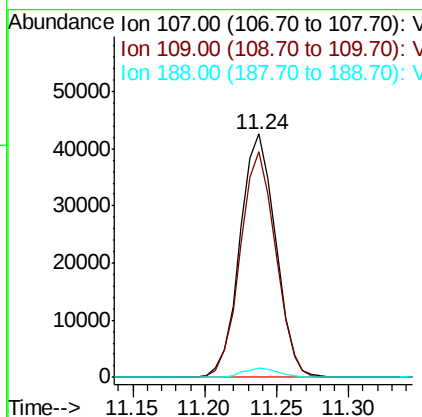
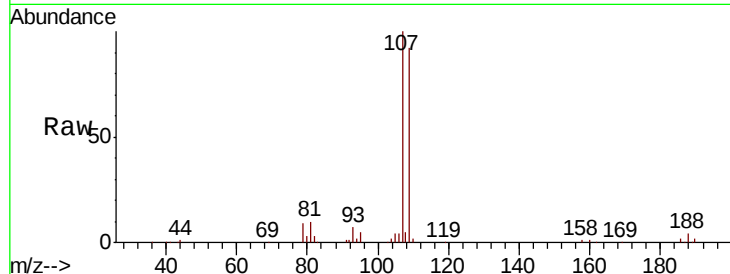




#51
 1,2-Dibromoethane
 Concen: 26.558 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

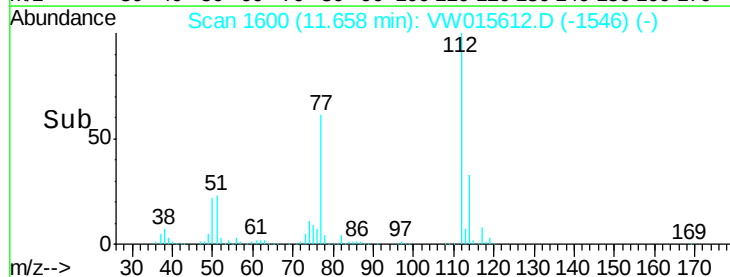
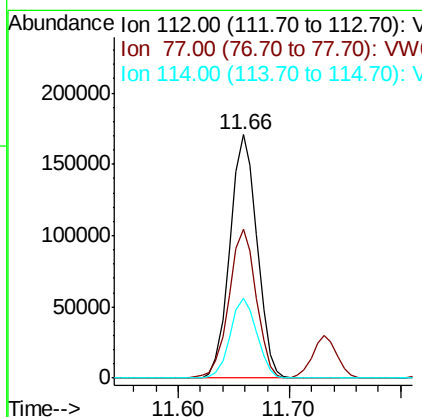
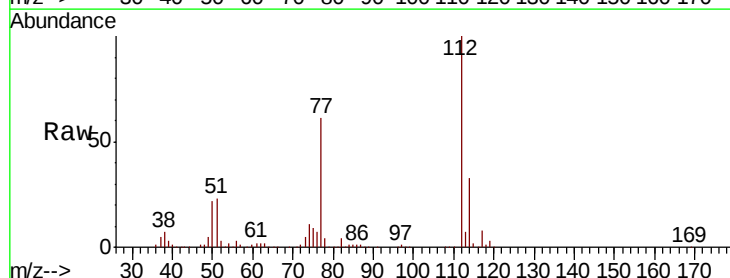
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

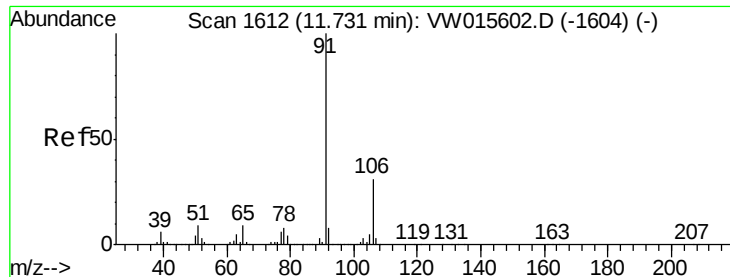
Tot Ion:107 Resp: 73204
 Ion Ratio Lower Upper
 107 100
 109 92.5 64.6 120.0
 188 3.7 2.8 4.2



#52
 Chlorobenzene
 Concen: 25.207 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Tgt Ion:112 Resp: 287070
 Ion Ratio Lower Upper
 112 100
 77 61.4 49.7 74.5
 114 32.5 21.8 40.6





#53

Ethylbenzene

Concen: 24.844 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

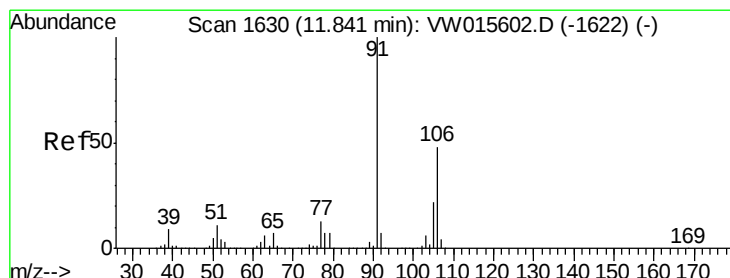
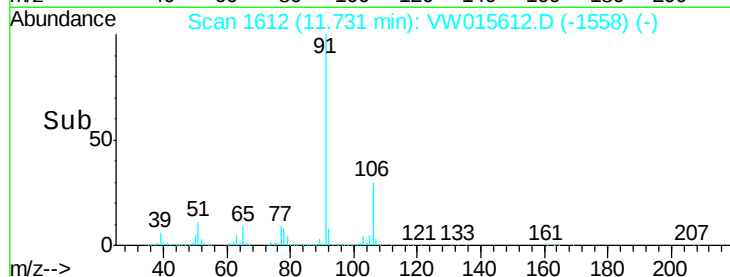
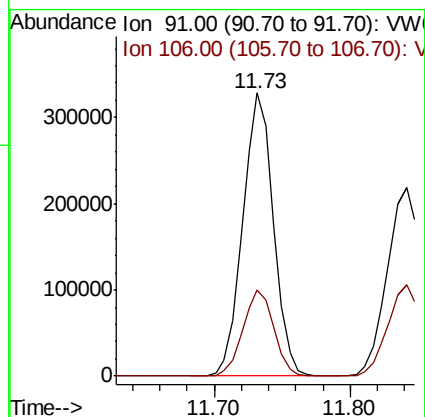
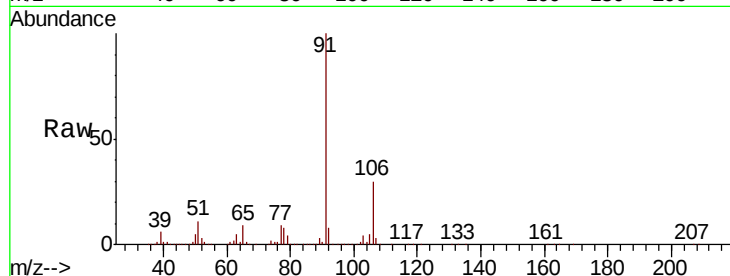
VSTD02509

Tot Ion: 91 Resp: 517956

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#54

m,p-Xylene

Concen: 24.744 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW015612.D

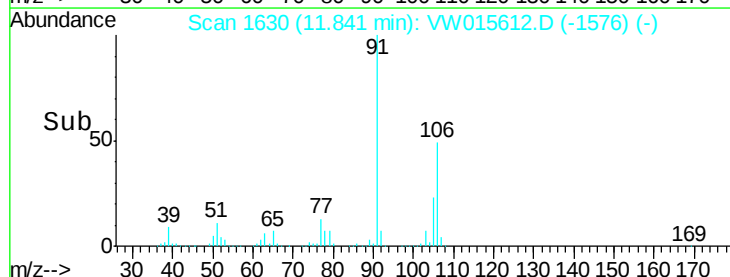
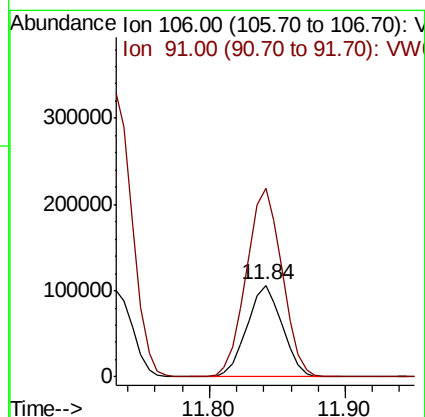
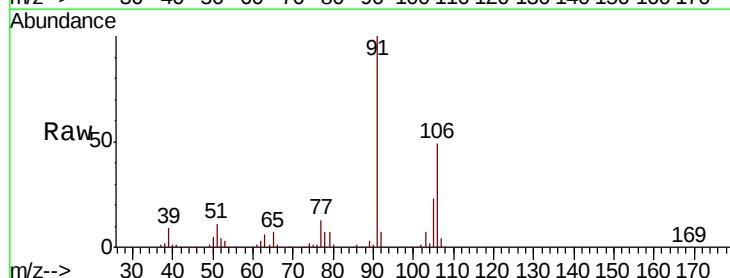
Acq: 16 Jun 2020 17:04

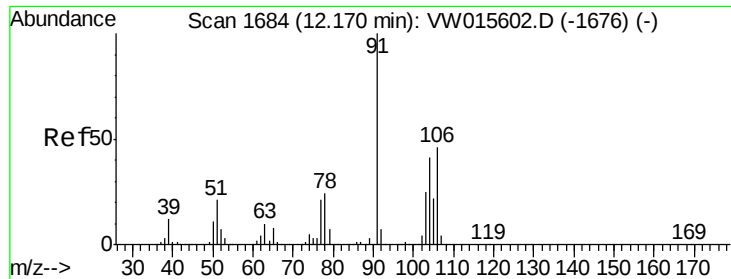
Tgt Ion: 106 Resp: 193579

Ion Ratio Lower Upper

106 100

91 205.5 142.6 264.8

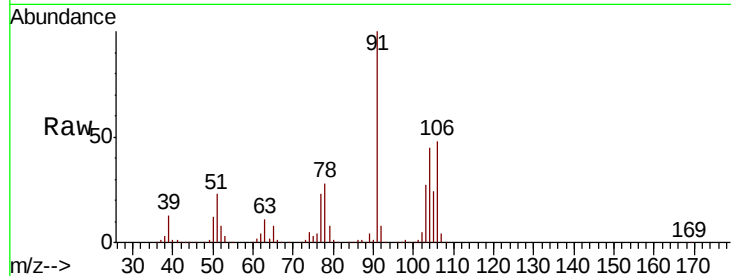




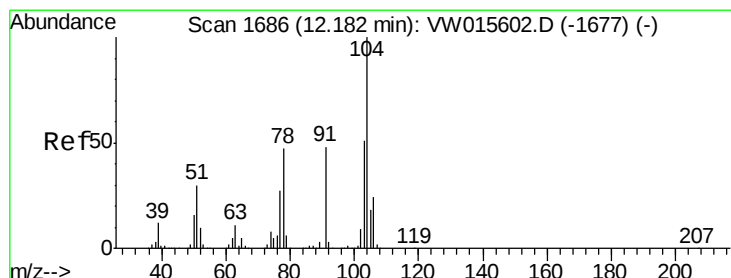
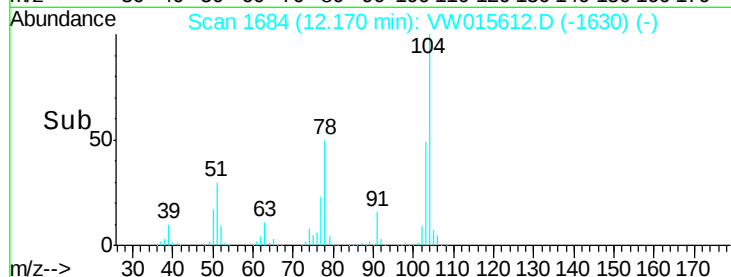
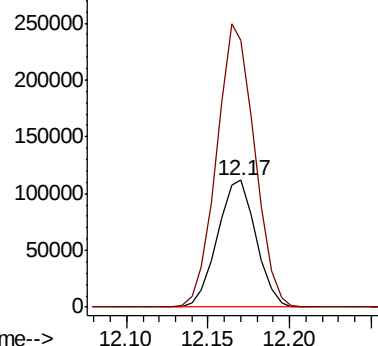
#55
o-xylene
Concen: 24.822 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTD02509

Tot Ion:106 Resp: 184327
Ion Ratio Lower Upper
106 100
91 210.0 149.0 276.6

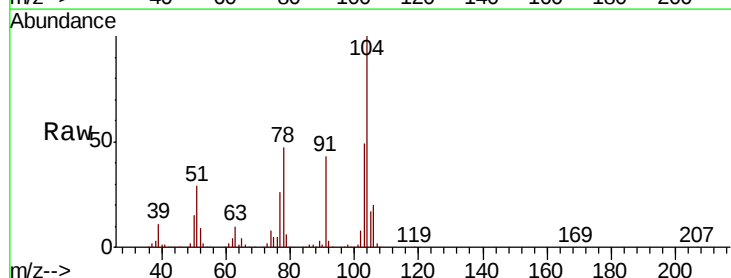


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

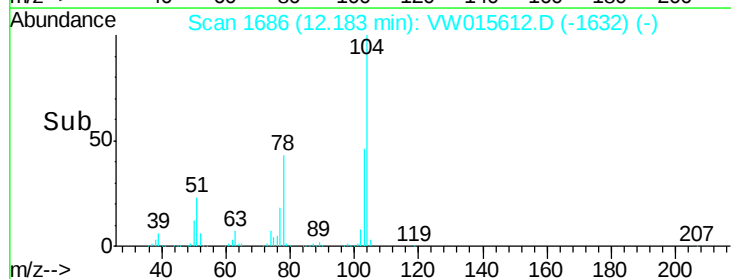
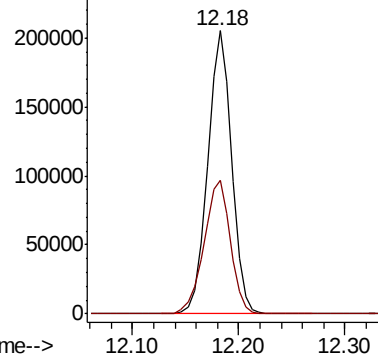


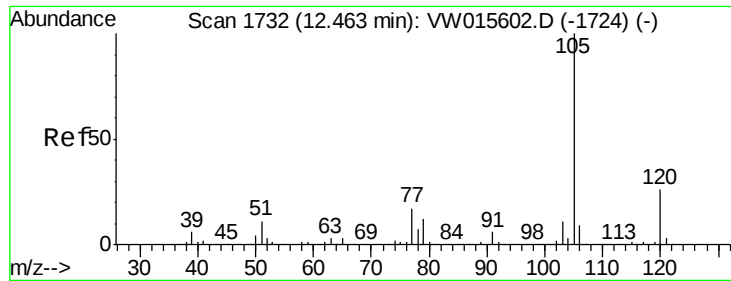
#56
Styrene
Concen: 25.492 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015612.D
Acq: 16 Jun 2020 17:04

Tgt Ion:104 Resp: 323461
Ion Ratio Lower Upper
104 100
78 47.1 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.023 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

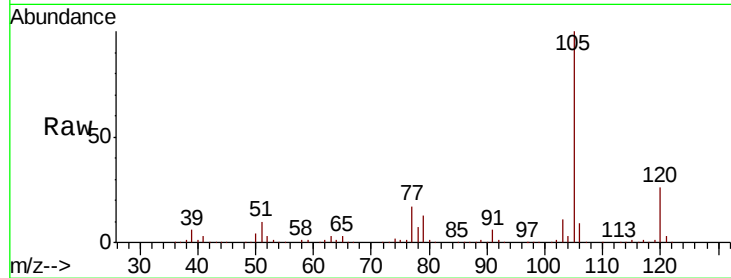
Tot Ion:105 Resp: 517619

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

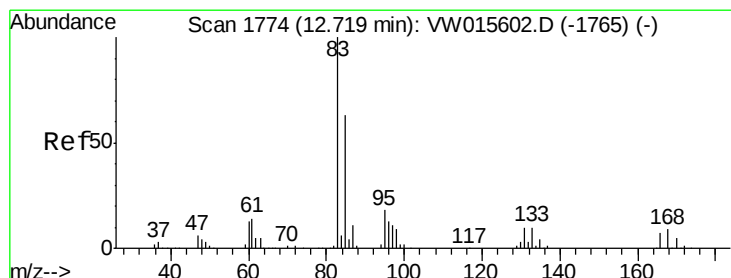
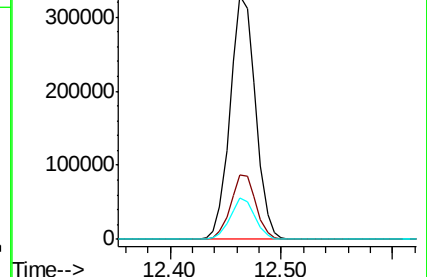
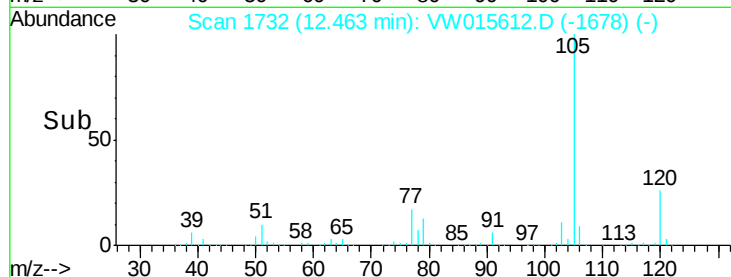
77 16.5 13.0 19.6



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: 27.619 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

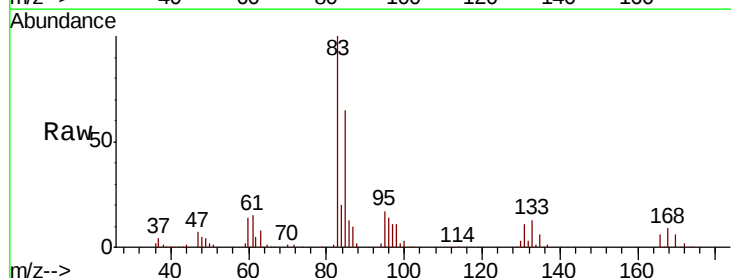
Tgt Ion: 83 Resp: 91807

Ion Ratio Lower Upper

83 100

85 64.7 44.7 82.9

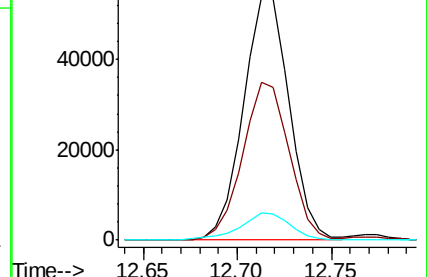
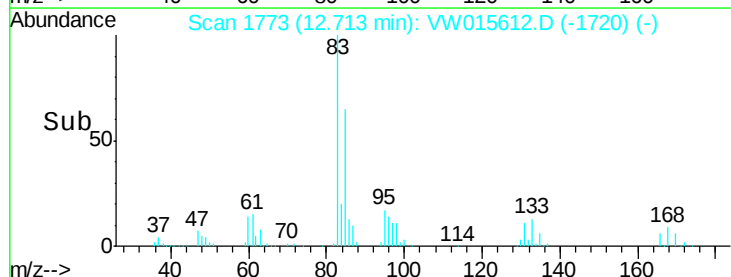
131 11.0 9.1 13.7

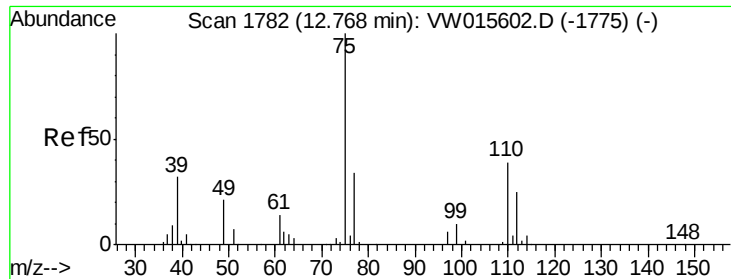


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.309 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

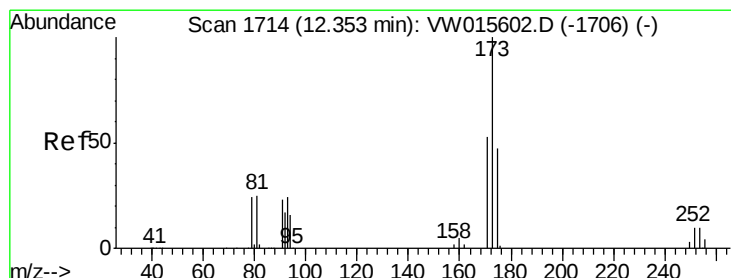
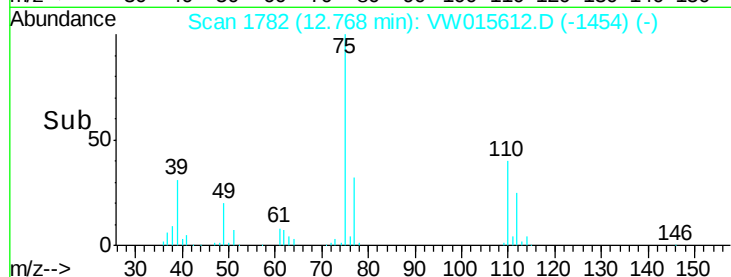
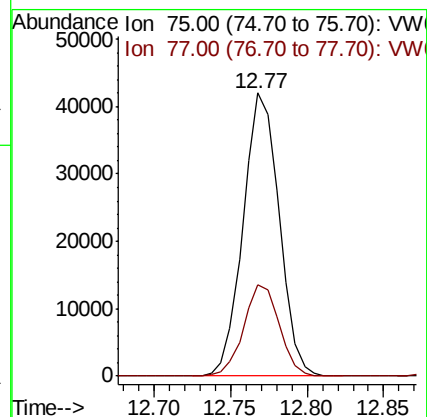
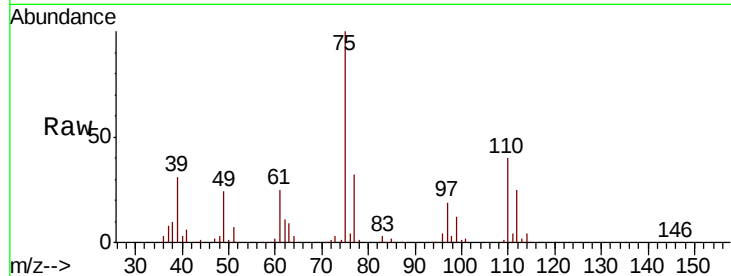
VSTD02509

Tot Ion: 75 Resp: 68829

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 24.243 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

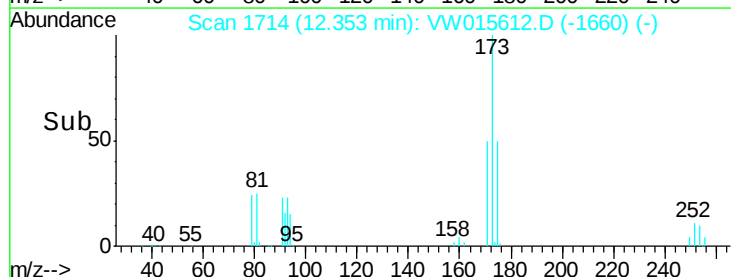
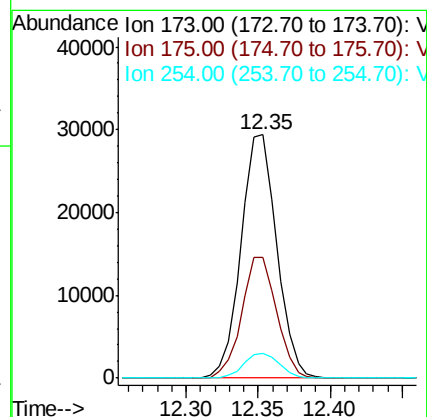
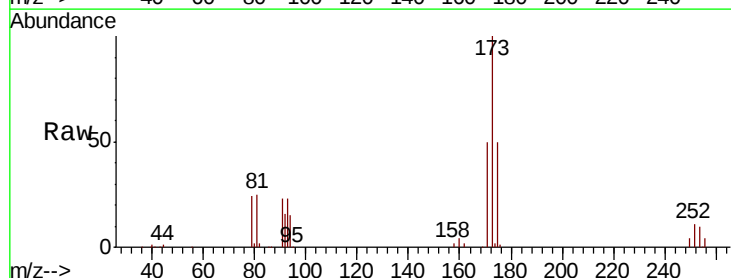
Tgt Ion: 173 Resp: 50645

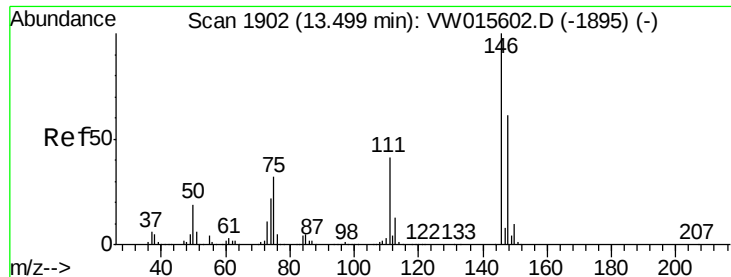
Ion Ratio Lower Upper

173 100

175 48.6 37.9 56.9

254 10.0 6.8 10.2

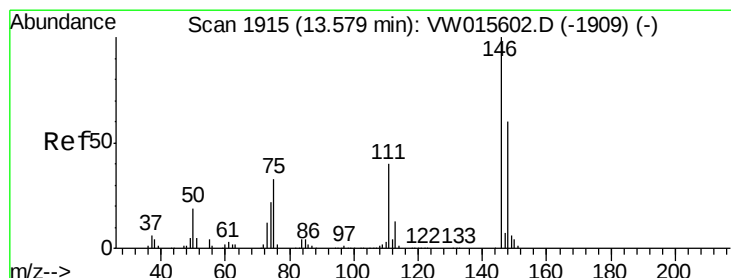
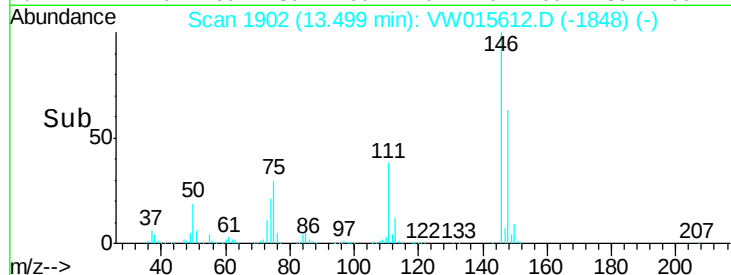
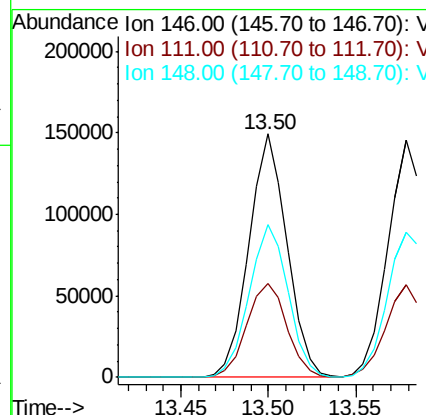
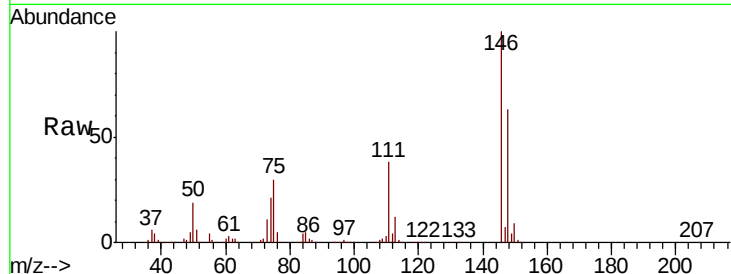




#63
 1,3-Dichlorobenzene
 Concen: 24.731 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

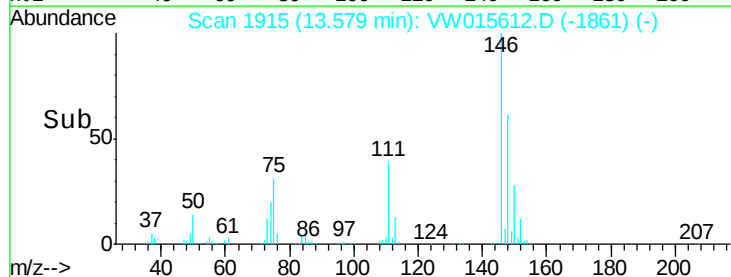
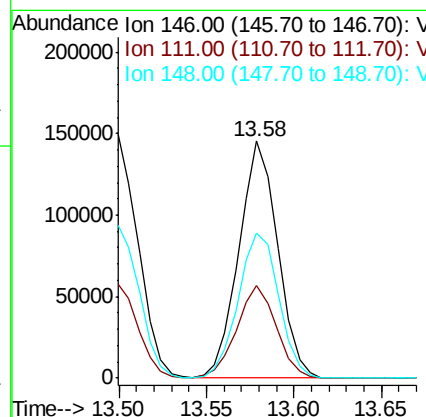
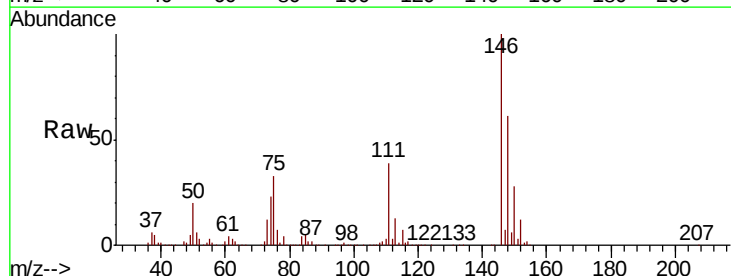
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

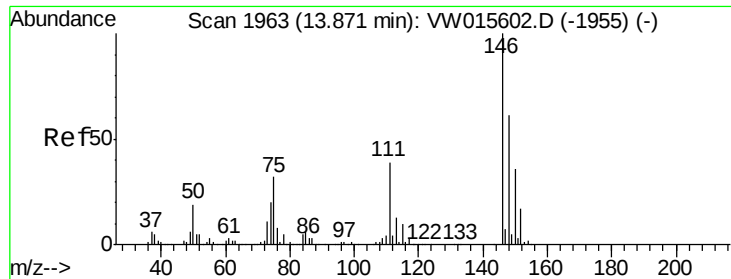
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.3	54.5
148	62.8	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 24.894 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	28.1	52.1
148	61.1	43.3	80.3

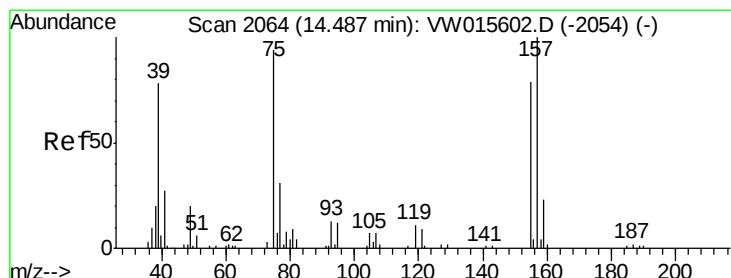
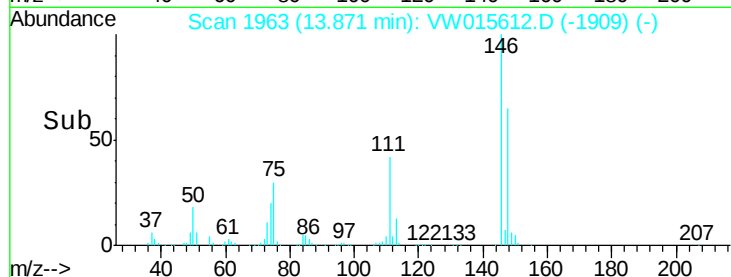
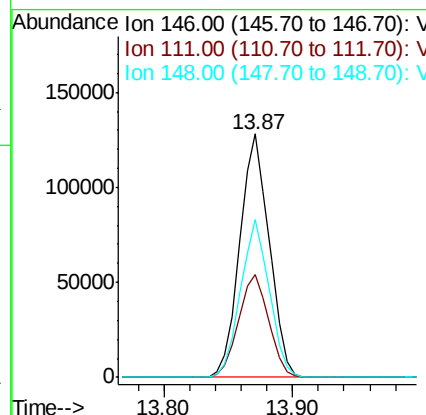
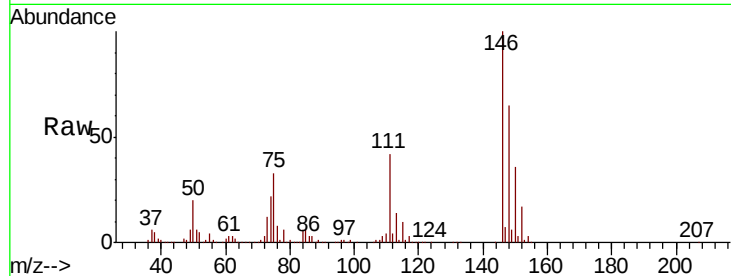




#65
 1,2-Dichlorobenzene
 Concen: 25.428 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

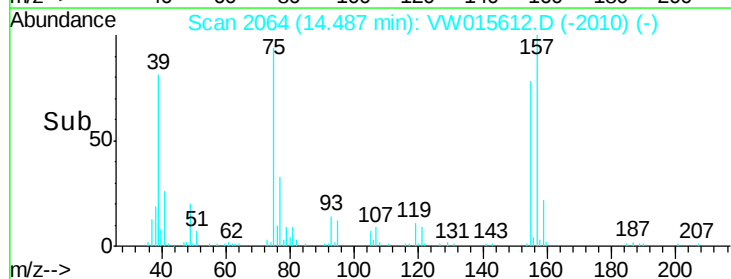
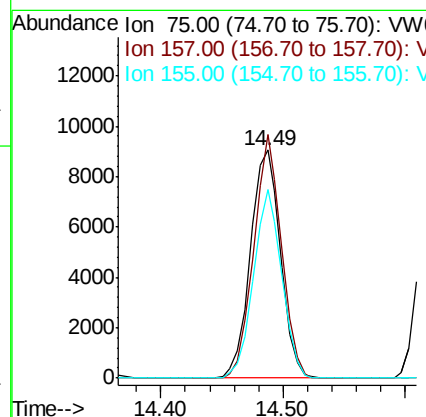
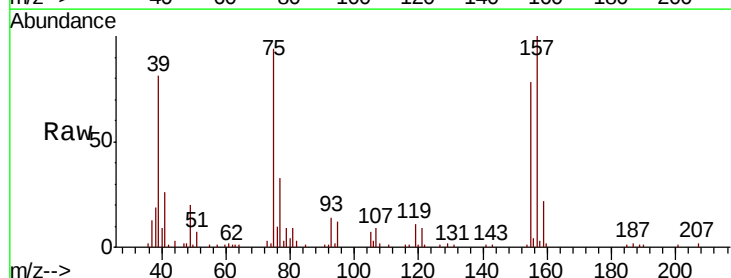
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

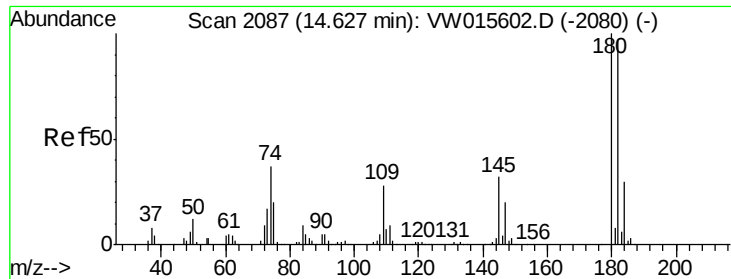
Tot Ion:146 Resp: 202735
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.9 52.3
 148 64.9 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.532 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Tgt Ion: 75 Resp: 15442
 Ion Ratio Lower Upper
 75 100
 157 106.9 87.4 131.0
 155 82.9 64.6 96.8

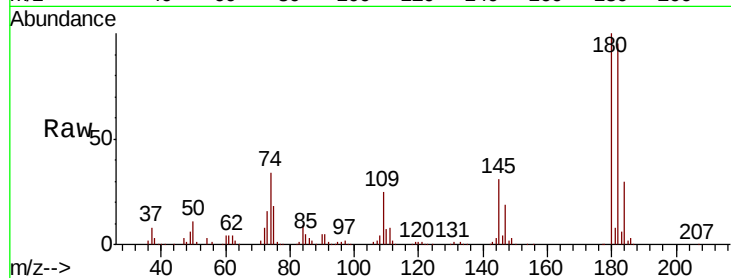




#67
 1,3,5-Trichlorobenzene
 Concen: 25.339 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tot Ion:	180	Resp:	160953
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	114.8
184	30.9	24.4	36.6
145	30.1	24.0	36.0



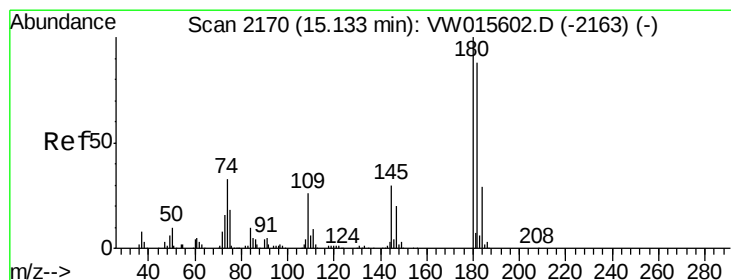
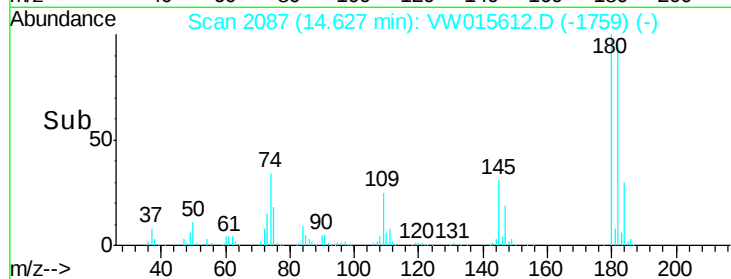
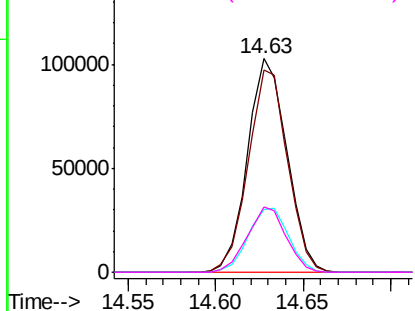
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

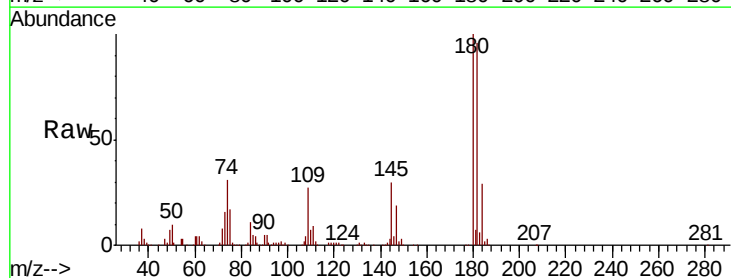
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.405 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015612.D
 Acq: 16 Jun 2020 17:04

Tgt Ion:	180	Resp:	135083
Ion	Ratio	Lower	Upper
180	100		
182	91.5	76.1	114.1
145	29.8	25.2	37.8

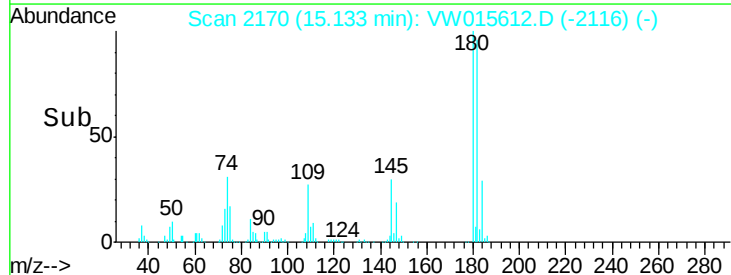
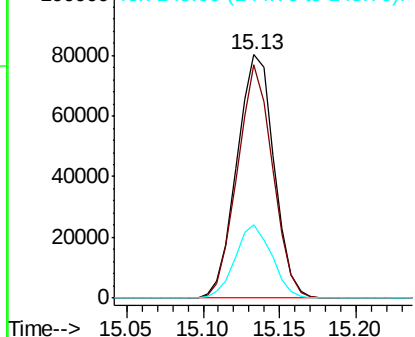


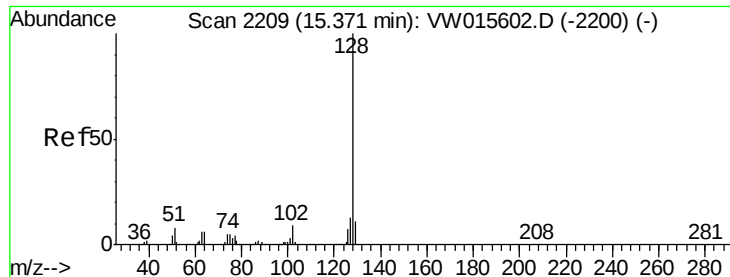
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.043 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

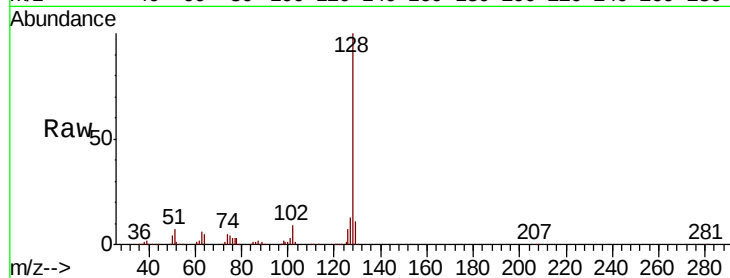
Tot Ion:128 Resp: 251206

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

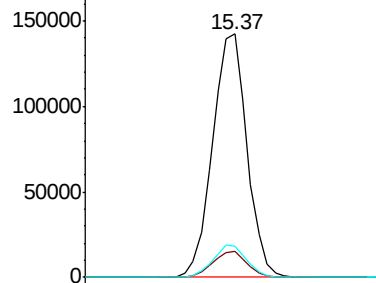
127 13.0 10.6 15.8



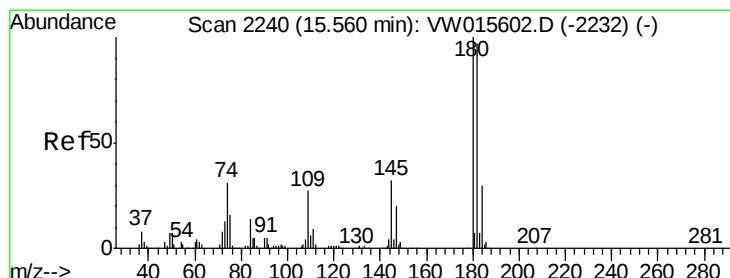
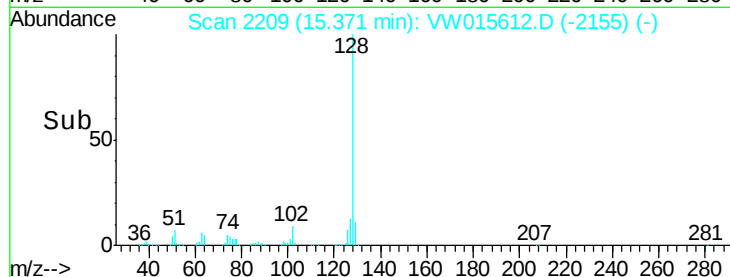
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 26.309 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015612.D

Acq: 16 Jun 2020 17:04

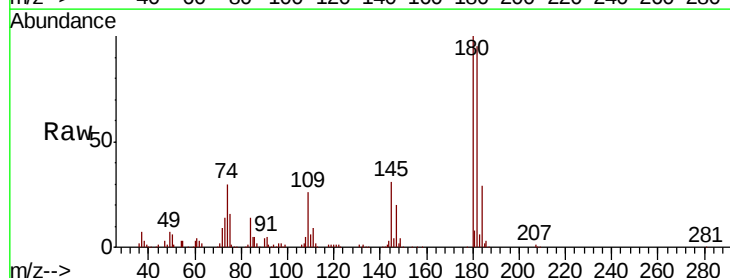
Tgt Ion:180 Resp: 114504

Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

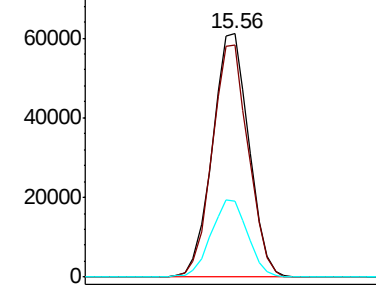
145 32.0 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

