

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026662.D
 Acq On : 11 Oct 2019 11:38
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 05:32:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	231428	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	182313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	90462	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	144504	10.80	ug/L	0.00
7) Chloroethane-d5	2.65	69	115244	9.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	325452	9.74	ug/L	0.00
20) 2-Butanone-d5	6.62	46	215656	116.93	ug/L	0.00
24) Chloroform-d	7.23	84	419631	10.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	142467	9.74	ug/L	0.00
32) Benzene-d6	7.88	84	877823	11.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	218529	10.94	ug/L	0.00
41) Toluene-d8	9.99	98	741953	11.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	56356	10.54	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	161057	122.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	100114	10.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	171183	9.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	394616	10.577 ug/L	100
3) Chloromethane	2.07	50	196454	10.249 ug/L	98
5) Vinyl chloride	2.20	62	194105	10.592 ug/L	94
6) Bromomethane	2.54	94	121371	9.982 ug/L	94
8) Chloroethane	2.68	64	104540	9.802 ug/L	95
9) Trichlorofluoromethane	2.98	101	347736	10.051 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	150771	10.290 ug/L	# 73
12) 1,1-Dichloroethene	3.67	96	140719	10.185 ug/L	79
13) Acetone	3.73	43	123142	91.725 ug/L	78
14) Carbon disulfide	3.97	76	1002816	10.629 ug/L	98
15) Methyl Acetate	4.23	43	53166	9.381 ug/L	97
16) Methylene chloride	4.43	84	247659	8.520 ug/L	97
17) Methyl tert-butyl Ether	4.93	73	261776	10.680 ug/L	99
18) trans-1,2-Dichloroethene	4.92	96	278897	10.403 ug/L	99
19) 1,1-Dichloroethane	5.72	63	498878	10.732 ug/L	95
21) 2-Butanone	6.72	43	246969	114.646 ug/L	98
22) cis-1,2-Dichloroethene	6.70	96	258880	10.636 ug/L	# 86
23) Bromochloromethane	7.08	128	71486	10.117 ug/L	87
25) Chloroform	7.26	83	437232	9.539 ug/L	95
27) 1,2-Dichloroethane	8.01	62	170319	9.714 ug/L	97
29) 1,1,1-Trichloroethane	7.45	97	353447	10.757 ug/L	98
30) Cyclohexane	7.54	56	561866	15.032 ug/L	96
31) Carbon tetrachloride	7.66	117	326493	10.683 ug/L	100
33) Benzene	7.93	78	1066071	11.359 ug/L	100
34) Trichloroethene	8.73	95	254766	10.330 ug/L	96
35) Methylcyclohexane	8.97	83	522166	14.195 ug/L	97
37) 1,2-Dichloropropane	9.02	63	207831	11.096 ug/L	# 98
38) Bromodichloromethane	9.30	83	219619	10.440 ug/L	96
39) cis-1,3-Dichloropropene	9.73	75	244922	11.873 ug/L	92
40) 4-Methyl-2-pentanone	9.88	43	569388	128.232 ug/L	98

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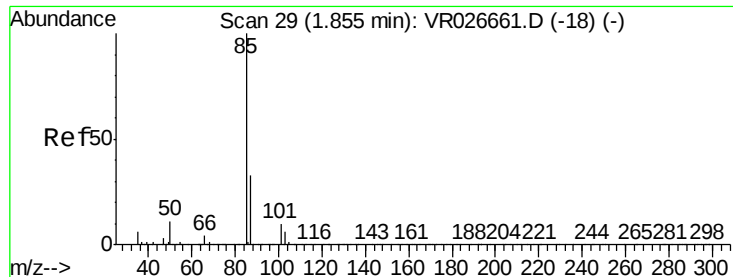
Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:36:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	1007596	12.079	ug/L	96
44) trans-1,3-Dichloropropene	10.28	75	159042	11.809	ug/L	97
45) 1,1,2-Trichloroethane	10.46	97	83078	9.382	ug/L	95
47) Tetrachloroethene	10.53	164	157653	10.296	ug/L	96
48) 2-Hexanone	10.65	43	357731	120.100	ug/L	98
49) Dibromochloromethane	10.80	129	96712	10.246	ug/L	99
50) 1,2-Dibromoethane	10.90	107	72911	9.944	ug/L #	99
51) Chlorobenzene	11.33	112	514240	10.361	ug/L	99
52) Ethylbenzene	11.41	91	1130233	12.253	ug/L	99
53) m,p-Xylene	11.52	106	411279	12.083	ug/L	95
54) o-Xylene	11.84	106	382927	12.295	ug/L	94
55) Styrene	11.86	104	551046	12.244	ug/L	94
56) Isopropylbenzene	12.14	105	1136940	12.406	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	99052	10.643	ug/L #	99
59) 1,2,3-Trichloropropane	12.45	75	70320	10.099	ug/L	100
61) Bromoform	12.03	173	38610	9.934	ug/L #	95
62) 1,3-Dichlorobenzene	13.18	146	352509	10.256	ug/L	98
63) 1,4-Dichlorobenzene	13.26	146	341622	9.772	ug/L	95
65) 1,2-Dichlorobenzene	13.55	146	288101	9.737	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.16	75	14046	8.298	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.31	180	270394	10.247	ug/L	97
68) 1,2,4-trichlorobenzene	14.80	180	203615	10.081	ug/L	98
69) Naphthalene	15.02	128	283282	12.407	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	178709	9.898	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 10.577 ug/L

RT: 1.86 min Scan# 29

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

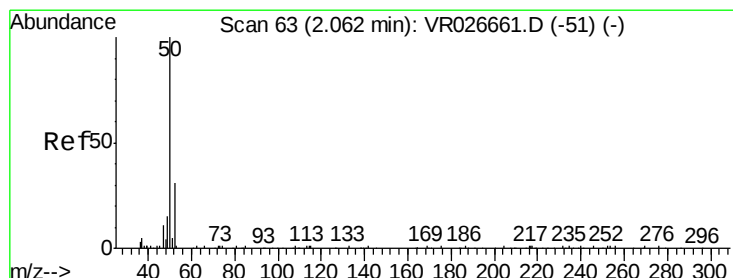
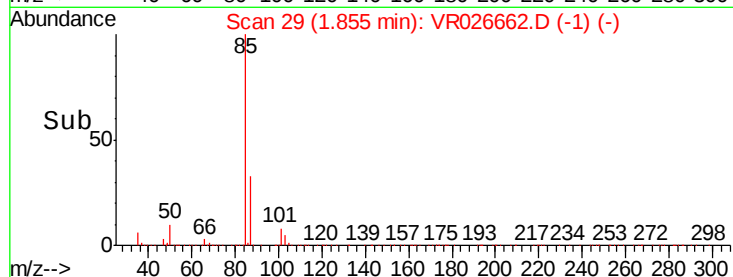
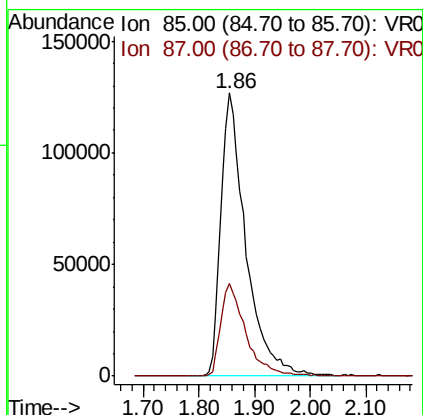
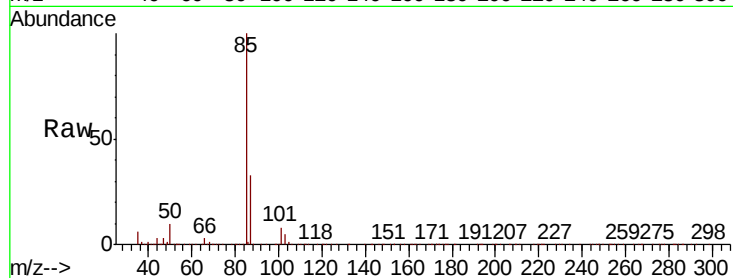
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 394616

Ion Ratio Lower Upper

85 100

87 32.4 26.0 39.0



#3

Chloromethane

Concen: 10.249 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.01 min

Lab File: VR026662.D

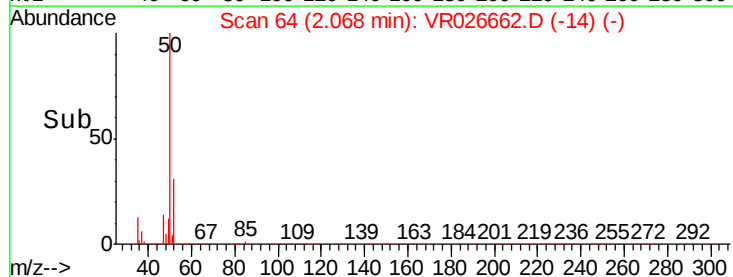
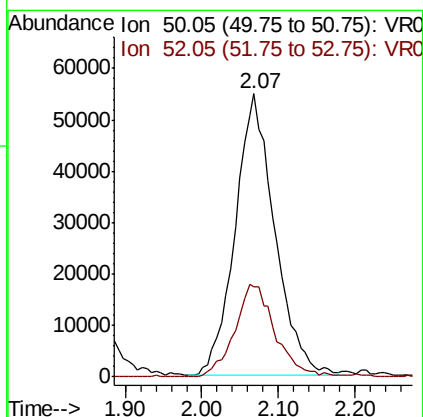
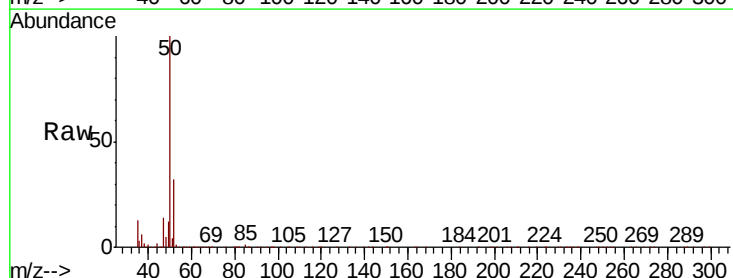
Acq: 11 Oct 2019 11:38

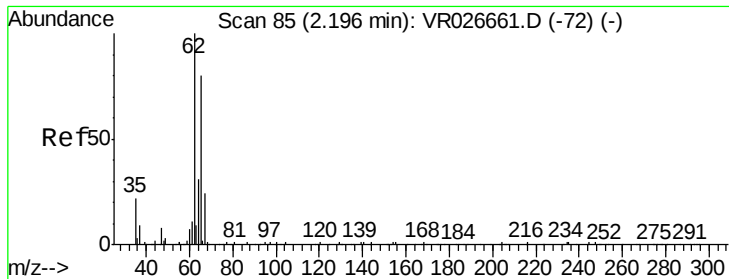
Tgt Ion: 50 Resp: 196454

Ion Ratio Lower Upper

50 100

52 31.7 21.3 39.6





#5

Vinyl chloride

Concen: 10.592 ug/L

RT: 2.20 min Scan# 86

Delta R.T. 0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

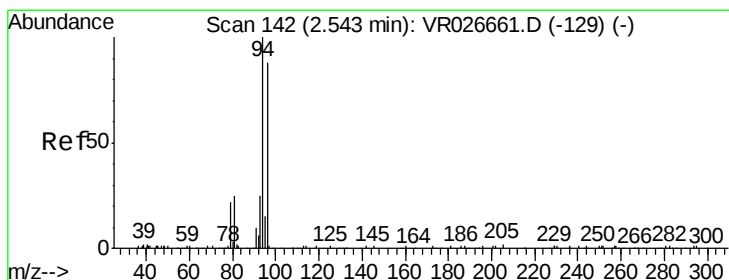
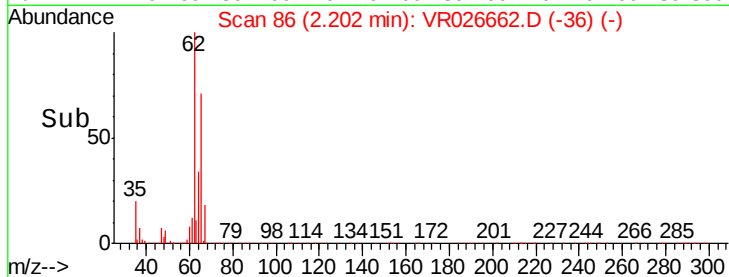
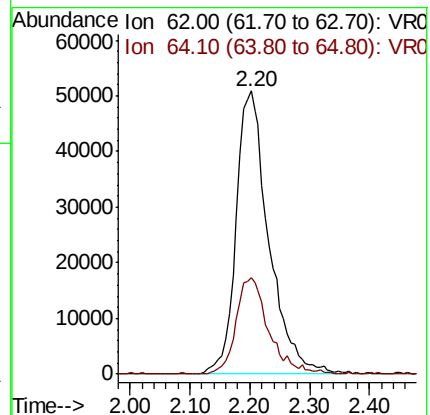
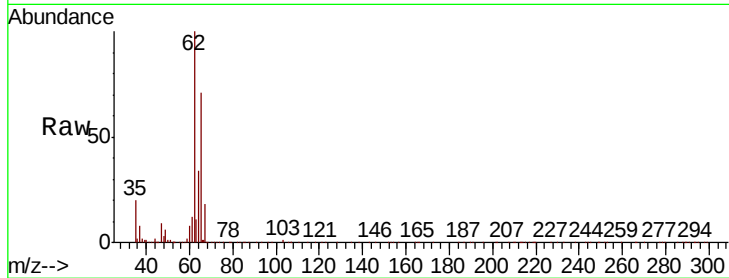
ClientSampleId :

Tot Ion: 62 Resp: 194105

Ion Ratio Lower Upper

62 100

64 33.9 21.6 40.0



#6

Bromomethane

Concen: 9.982 ug/L

RT: 2.54 min Scan# 142

Delta R.T. -0.00 min

Lab File: VR026662.D

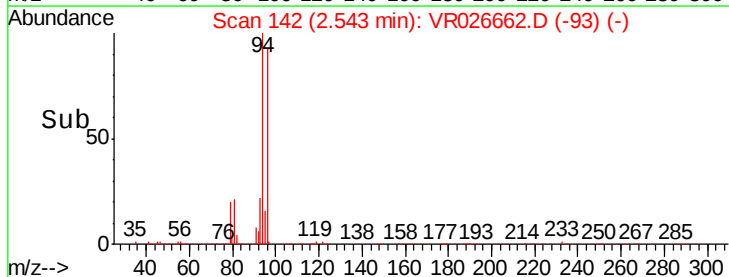
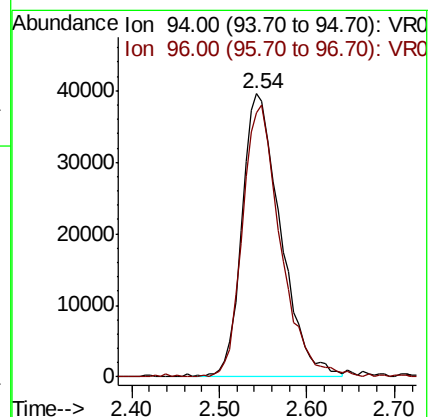
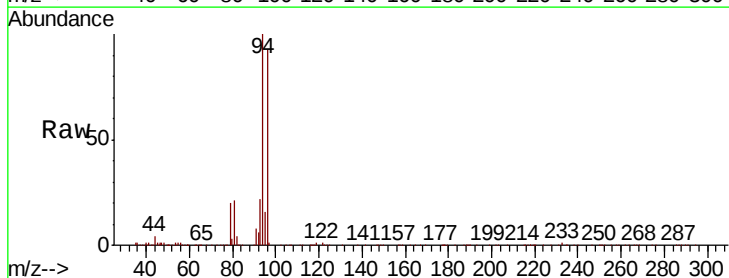
Acq: 11 Oct 2019 11:38

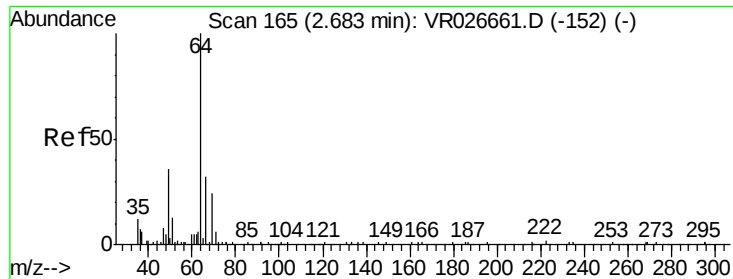
Tgt Ion: 94 Resp: 121371

Ion Ratio Lower Upper

94 100

96 93.4 61.7 114.5

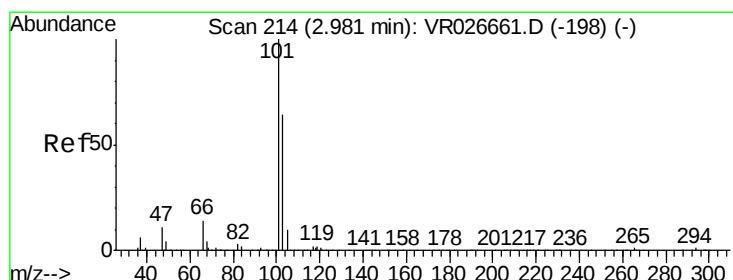
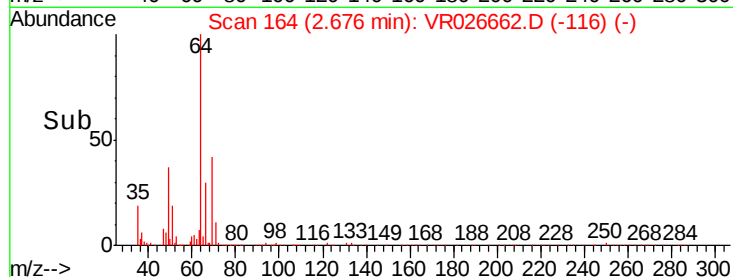
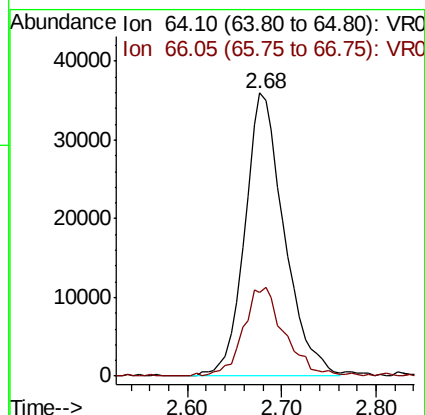
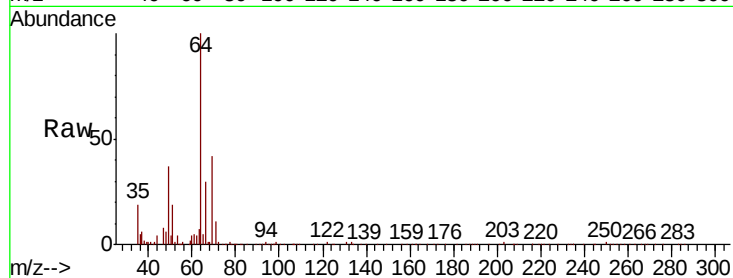




#8
Chloroethane
Concen: 9.802 ug/L
RT: 2.68 min Scan# 164
Delta R.T. -0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

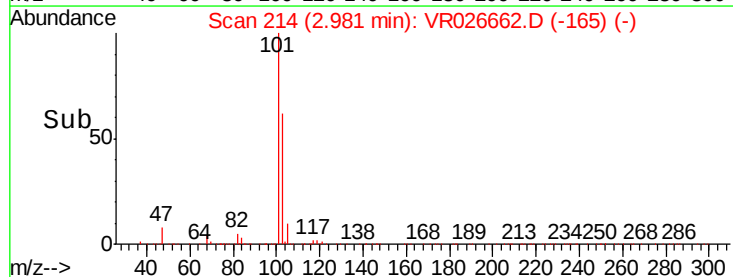
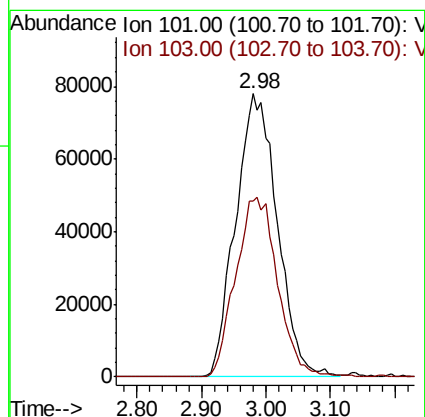
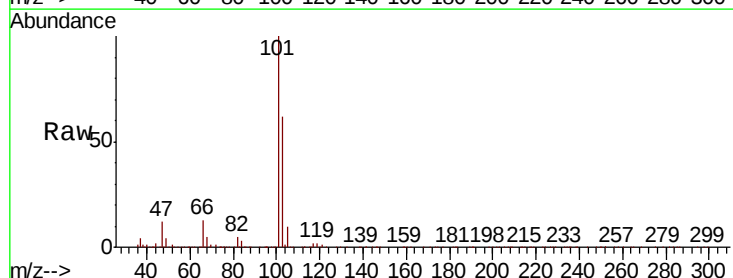
Instrument :
MSVOA_R
ClientSampleId :

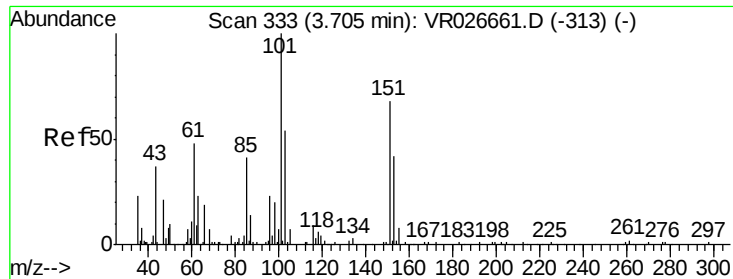
Tot Ion: 64 Resp: 104540
Ion Ratio Lower Upper
64 100
66 29.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 10.051 ug/L
RT: 2.98 min Scan# 214
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion: 101 Resp: 347736
Ion Ratio Lower Upper
101 100
103 63.7 51.6 77.4





#10

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

Concen: 10.290 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampleId :

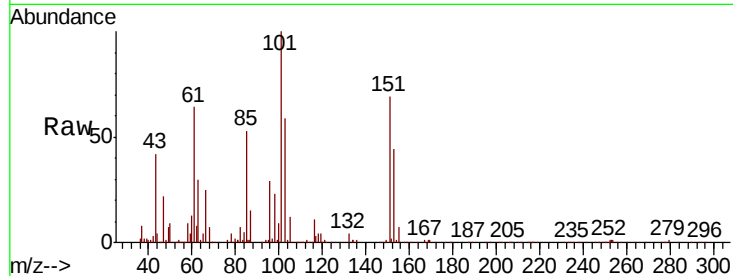
Tot Ion:101 Resp: 150771

Ion Ratio Lower Upper

101 100

85 52.0 41.8 62.8

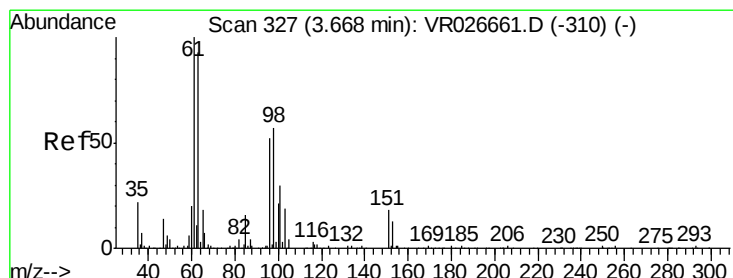
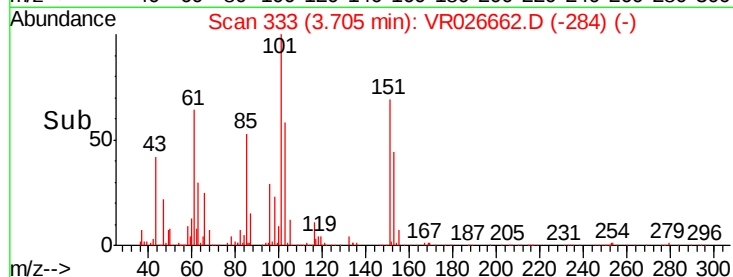
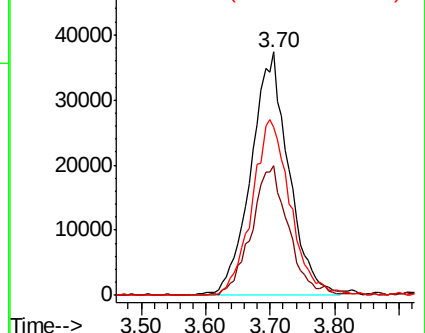
151 73.3 27.9 41.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.185 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

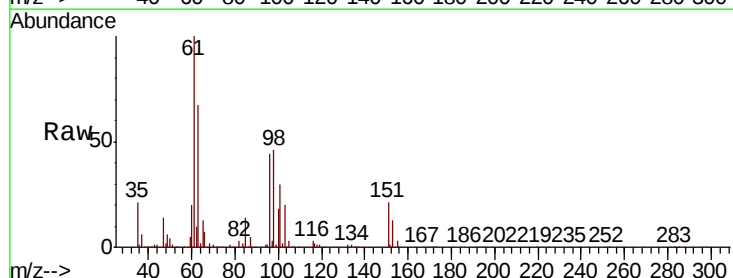
Tgt Ion: 96 Resp: 140719

Ion Ratio Lower Upper

96 100

61 227.4 133.7 248.3

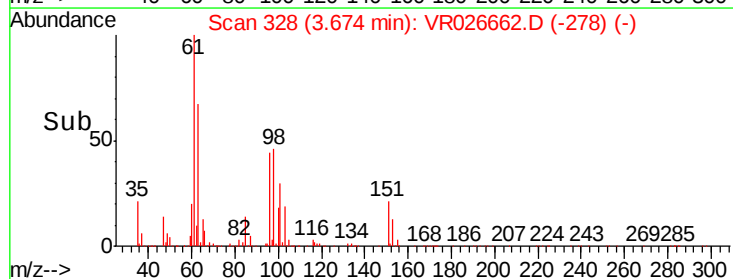
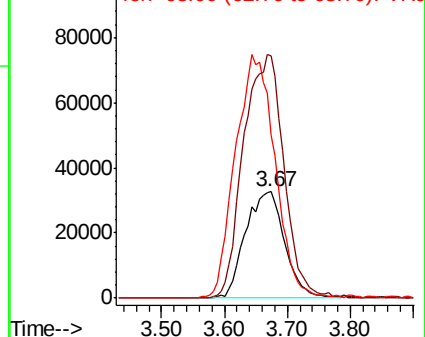
63 152.9 124.6 231.4

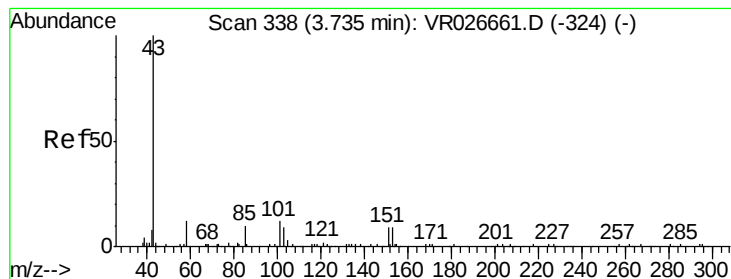


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 91.725 ug/L

RT: 3.73 min Scan# 337

Delta R.T. -0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

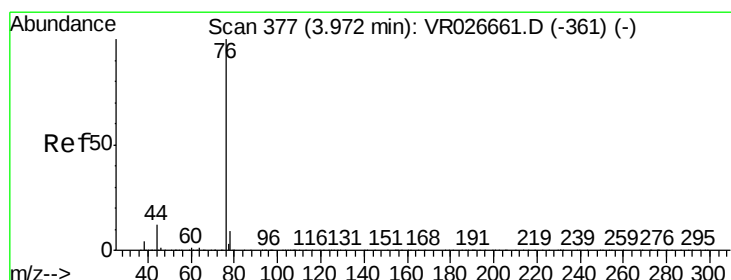
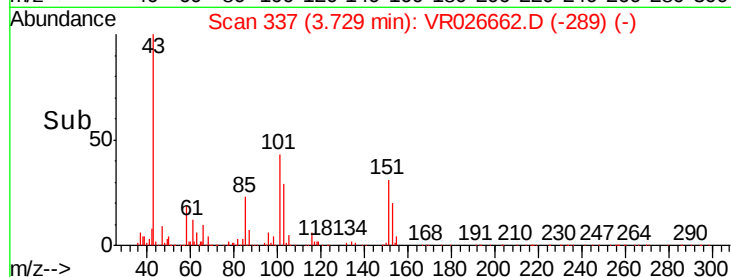
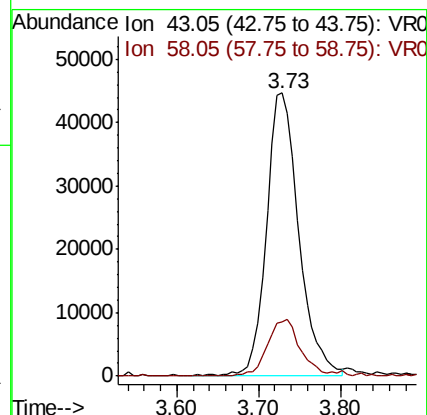
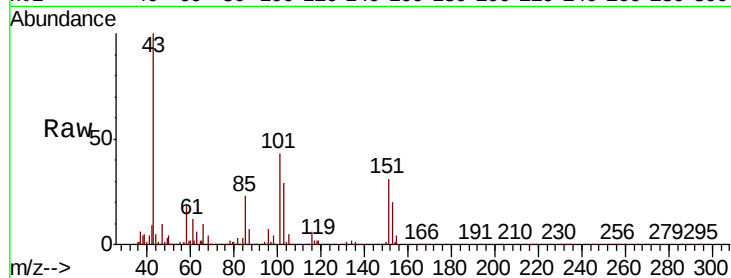
ClientSampleId :

Tot Ion: 43 Resp: 123142

Ion Ratio Lower Upper

43 100

58 20.0 0.0 22.8



#14

Carbon disulfide

Concen: 10.629 ug/L

RT: 3.97 min Scan# 377

Delta R.T. -0.00 min

Lab File: VR026662.D

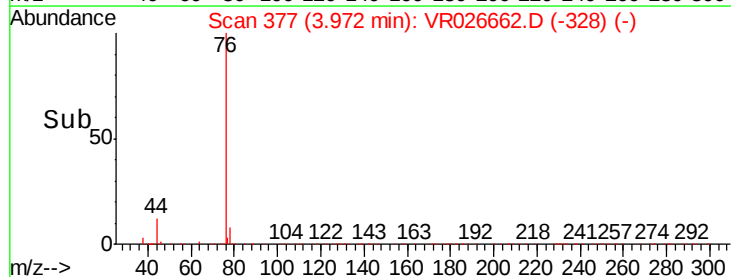
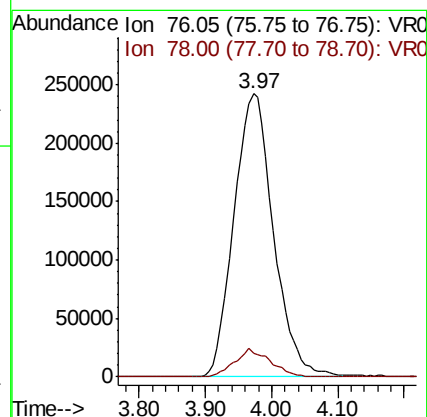
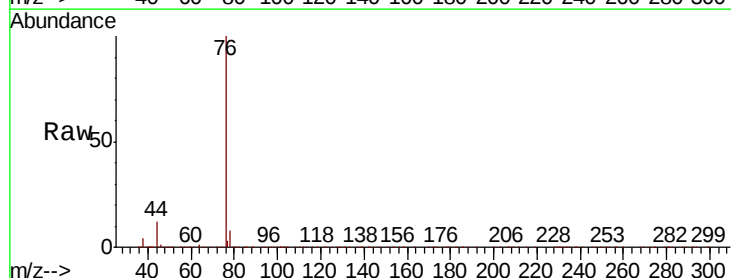
Acq: 11 Oct 2019 11:38

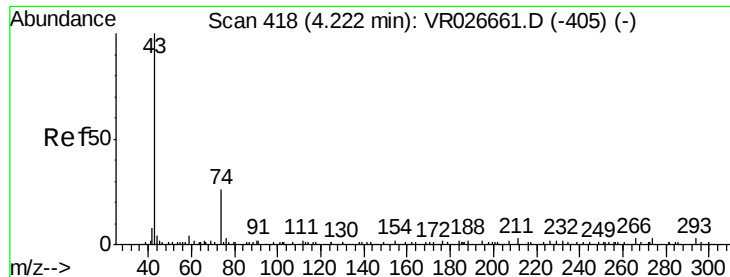
Tgt Ion: 76 Resp: 1002816

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9

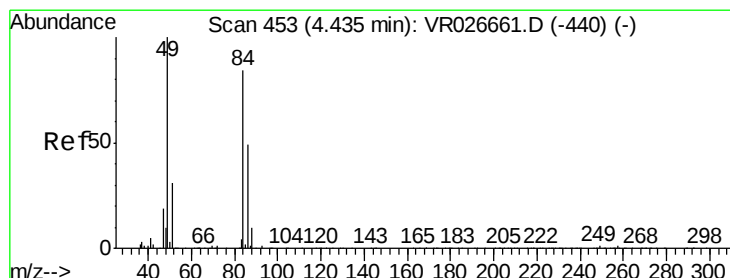
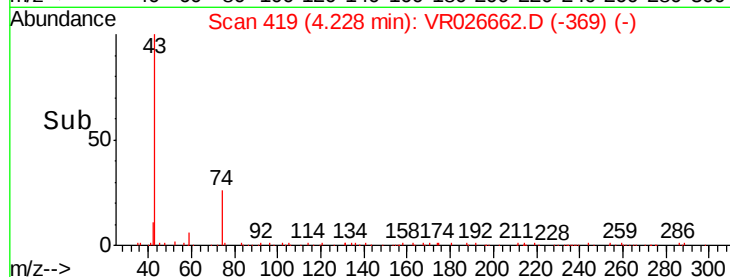
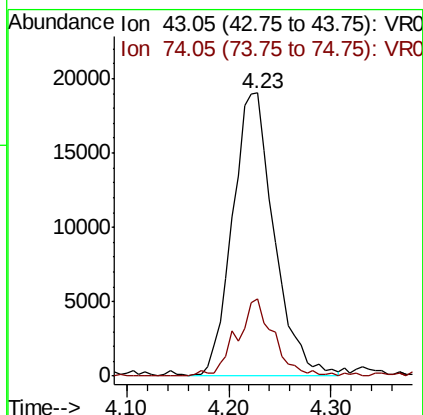
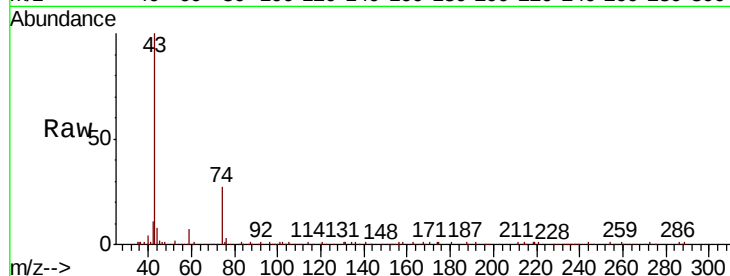




#15
Methyl Acetate
Concen: 9.381 ug/L
RT: 4.23 min Scan# 419
Delta R.T. 0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

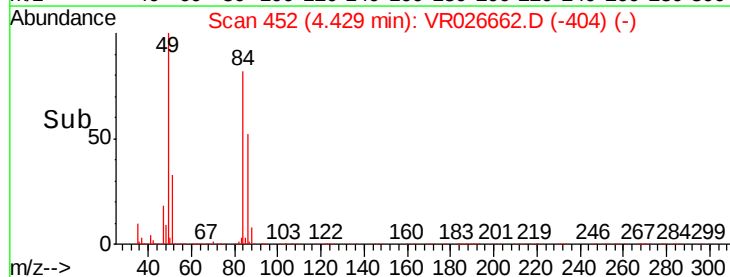
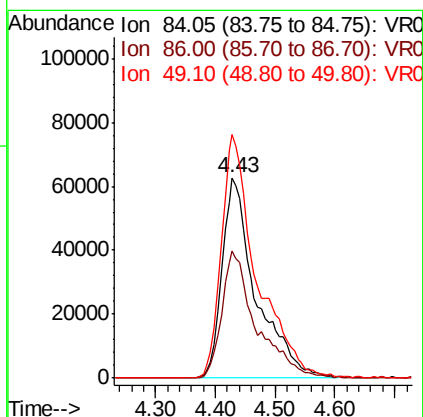
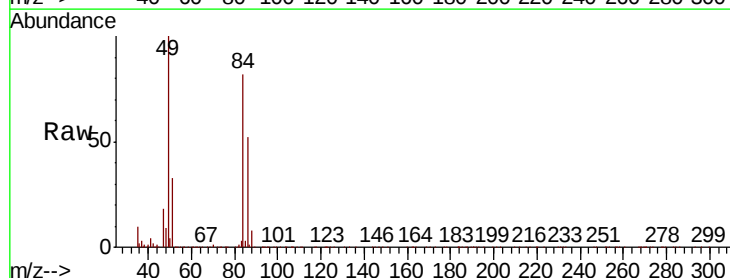
Instrument :
MSVOA_R
ClientSampled :

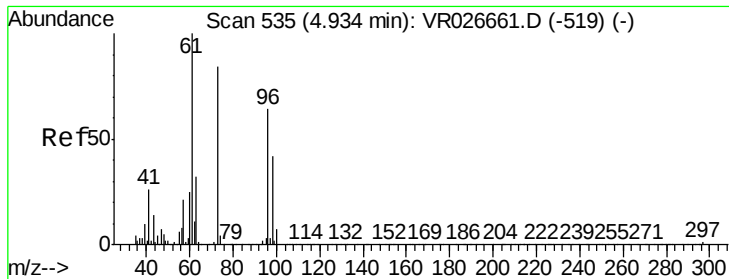
Tot Ion: 43 Resp: 53166
Ion Ratio Lower Upper
43 100
74 24.4 18.2 27.4



#16
Methylene chloride
Concen: 8.520 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion: 84 Resp: 247659
Ion Ratio Lower Upper
84 100
86 63.3 41.6 77.2
49 121.5 83.7 155.5

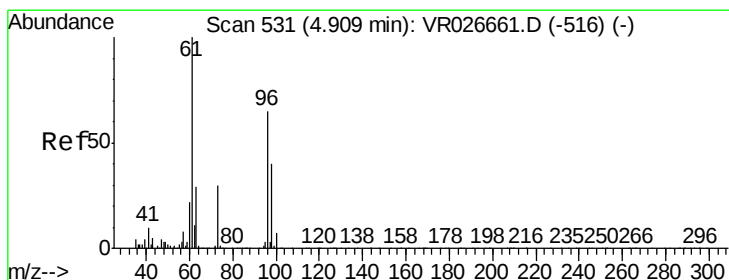
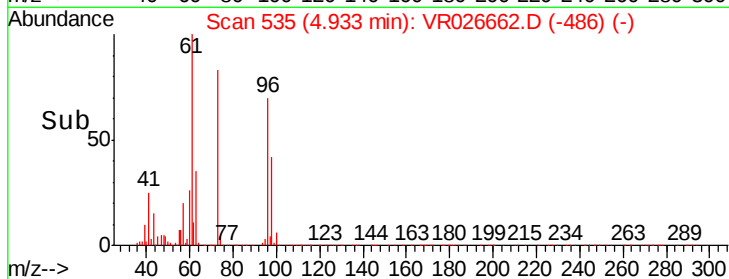
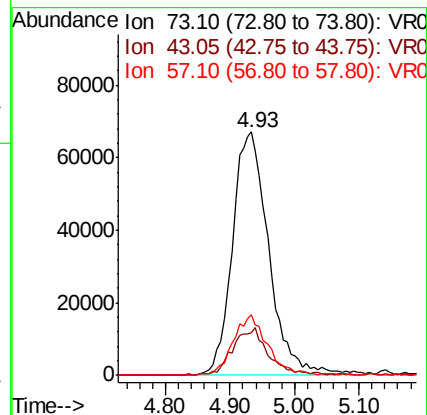
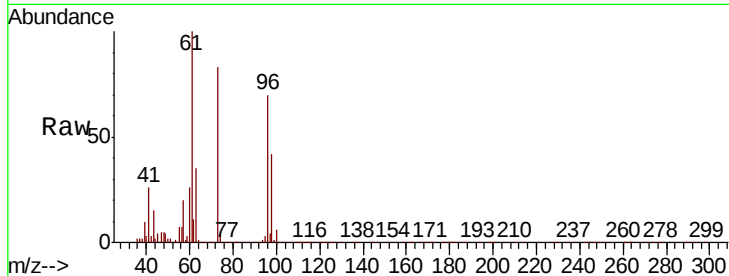




#17
Methvl tert-butvl Ether
Concen: 10.680 ug/L
RT: 4.93 min Scan# 535
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

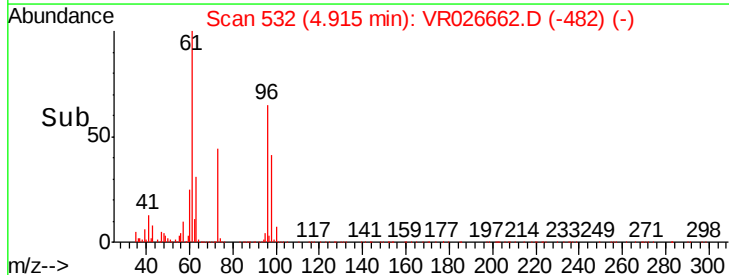
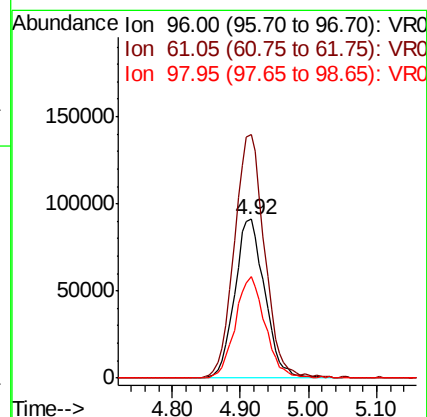
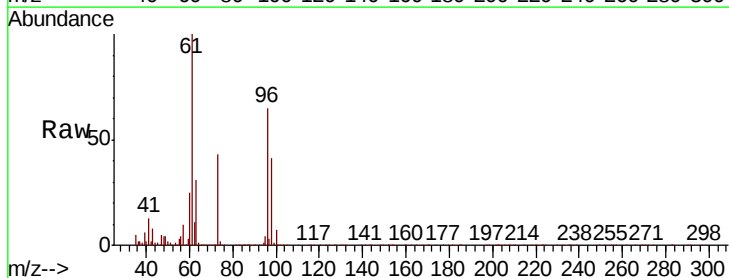
Instrument :
MSVOA_R
ClientSampleId :

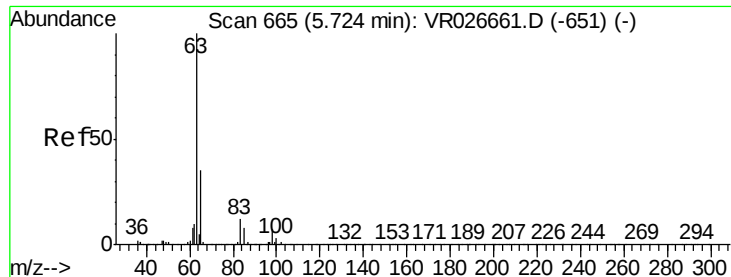
Tot Ion: 73 Resp: 261776
Ion Ratio Lower Upper
73 100
43 19.1 15.1 22.7
57 23.6 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 10.403 ug/L
RT: 4.92 min Scan# 532
Delta R.T. 0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion: 96 Resp: 278897
Ion Ratio Lower Upper
96 100
61 153.2 107.2 199.0
98 63.5 42.5 78.9





#19

1,1-Dichloroethane

Concen: 10.732 ug/L

RT: 5.72 min Scan# 665

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampleId :

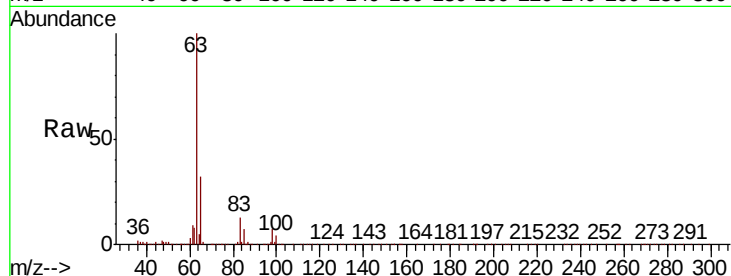
Tot Ion: 63 Resp: 498878

Ion Ratio Lower Upper

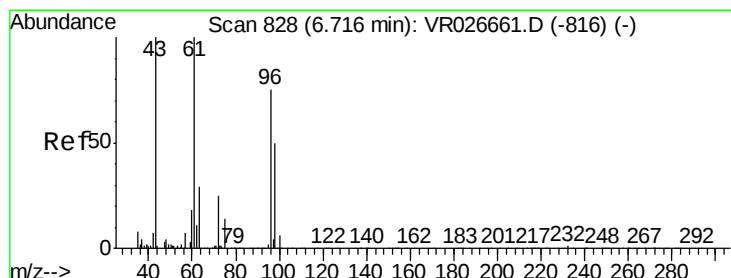
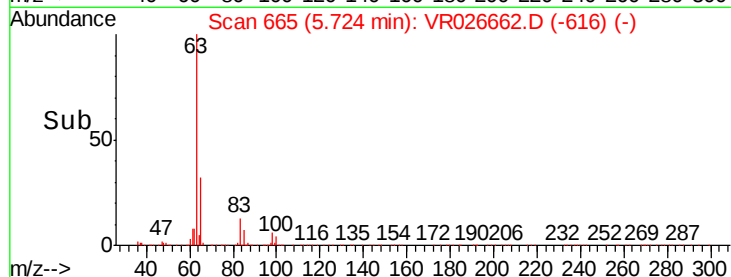
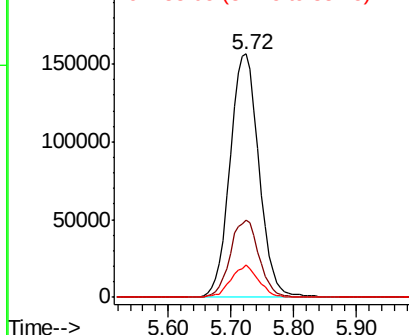
63 100

65 32.0 24.5 45.5

83 13.3 8.3 15.3



Abundance Ion 63.10 (62.80 to 63.80): VR0
Ion 65.10 (64.80 to 65.80): VR0
Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 114.646 ug/L

RT: 6.72 min Scan# 828

Delta R.T. -0.00 min

Lab File: VR026662.D

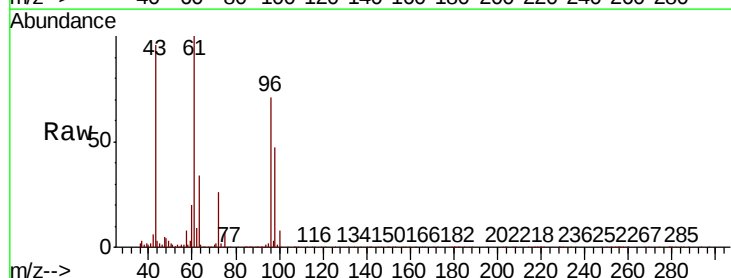
Acq: 11 Oct 2019 11:38

Tgt Ion: 43 Resp: 246969

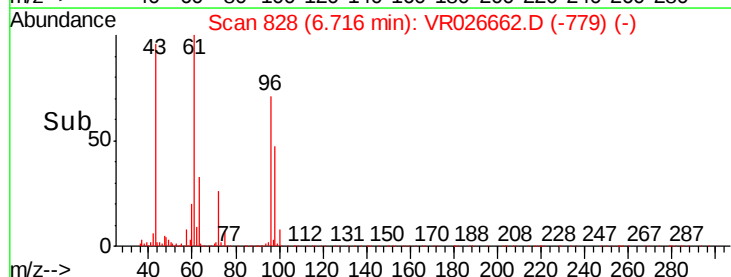
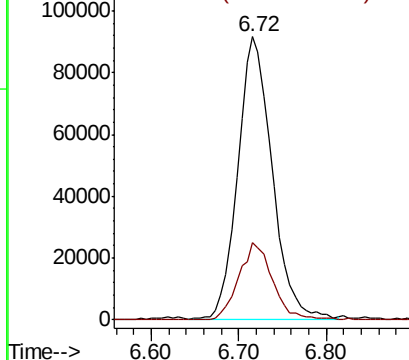
Ion Ratio Lower Upper

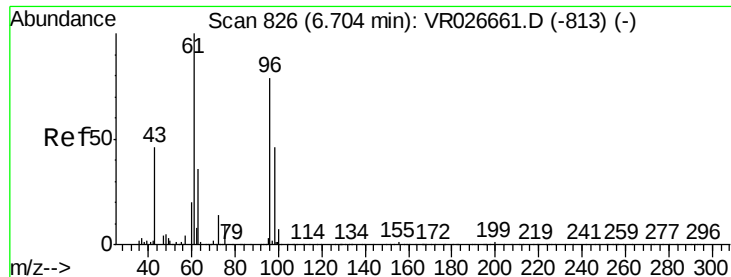
43 100

72 27.2 13.2 39.6



Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 72.10 (71.80 to 72.80): VR0



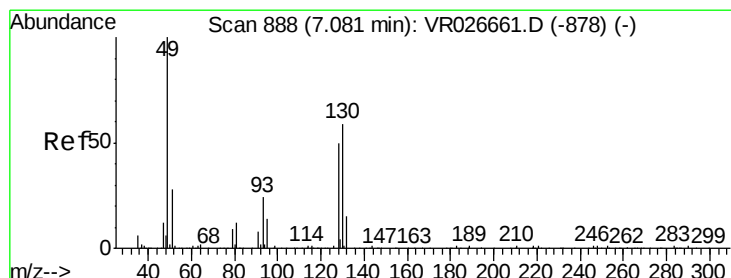
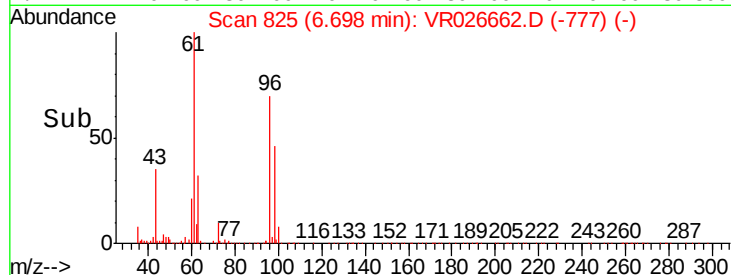
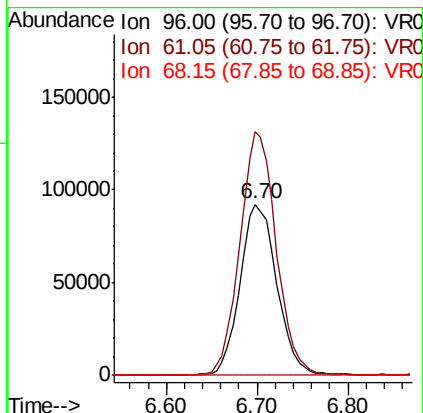
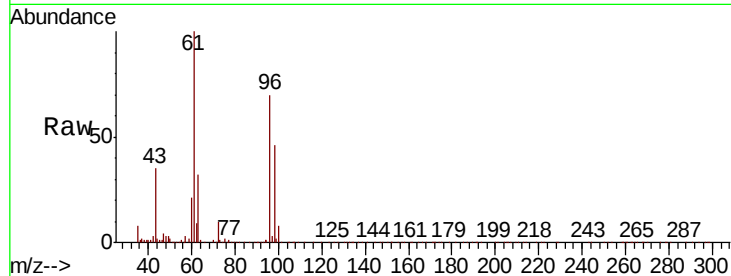


#22

cis-1,2-Dichloroethene
 Concen: 10.636 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

Instrument :
 MSVOA_R
 ClientSampleId :

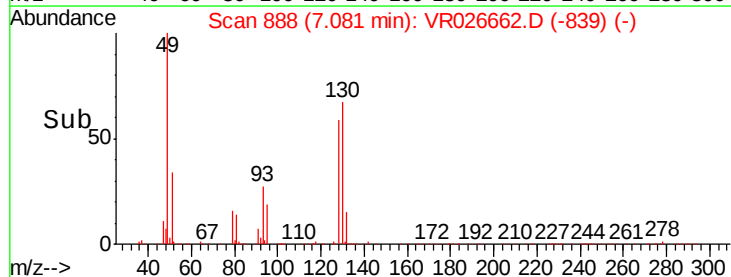
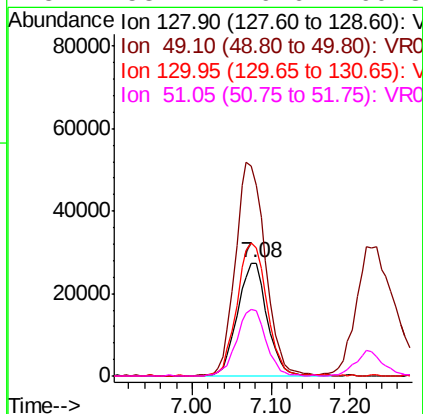
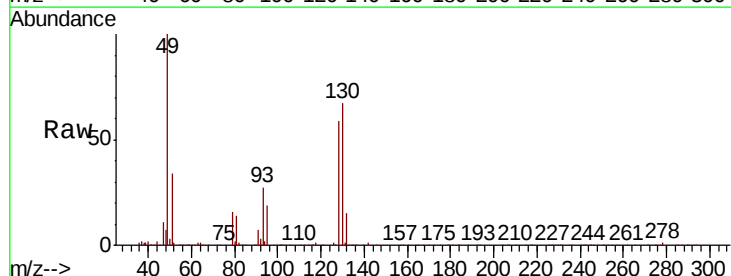
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	88.5	164.4
68	0.0	0.1	0.3

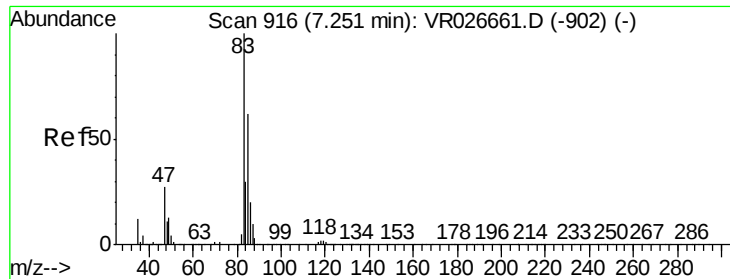


#23

Bromochloromethane
 Concen: 10.117 ug/L
 RT: 7.08 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.2	140.9	261.7
130	113.1	82.7	153.5
51	58.2	46.6	69.8

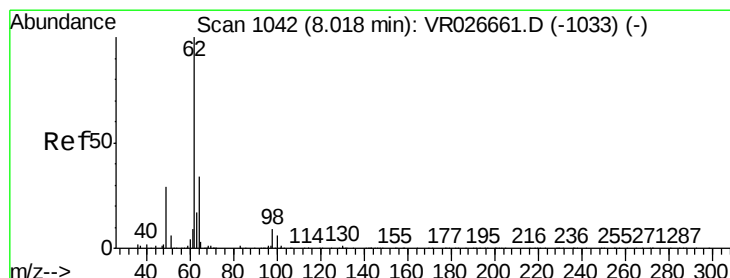
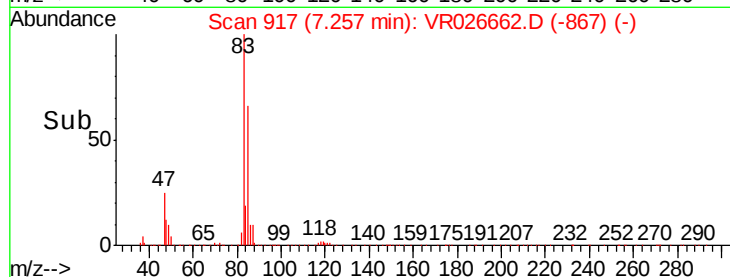
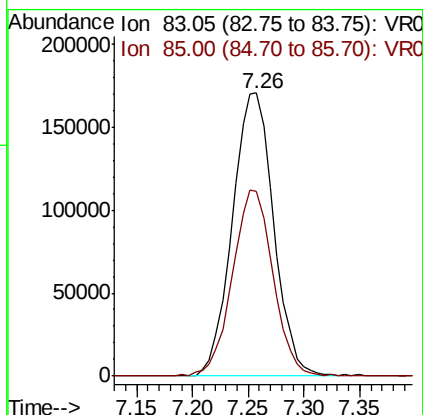
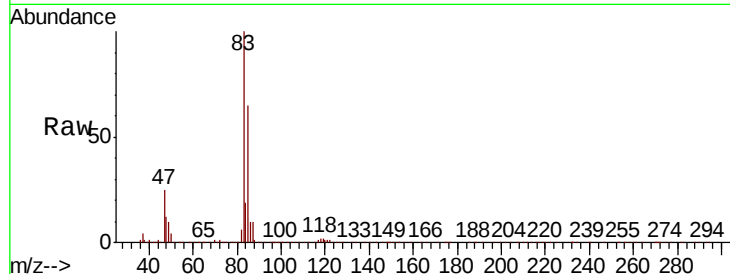




#25
Chloroform
Concen: 9.539 ug/L
RT: 7.26 min Scan# 917
Delta R.T. 0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

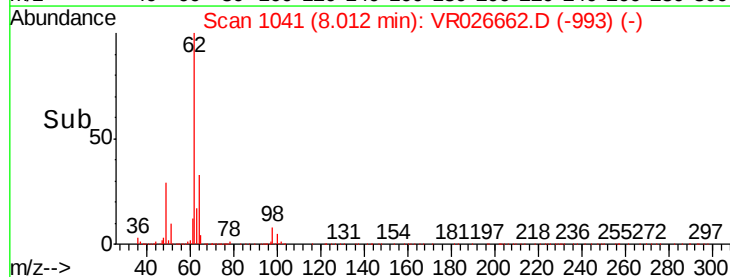
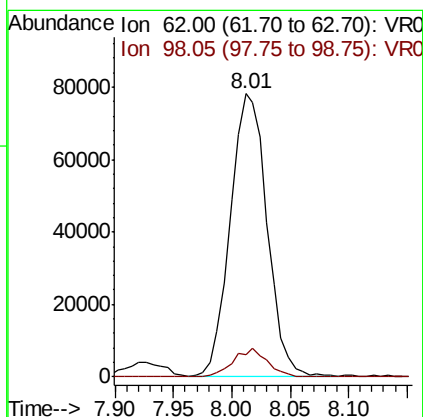
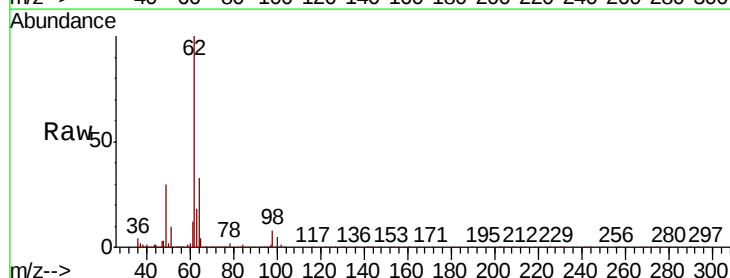
Instrument :
MSVOA_R
ClientSampleId :

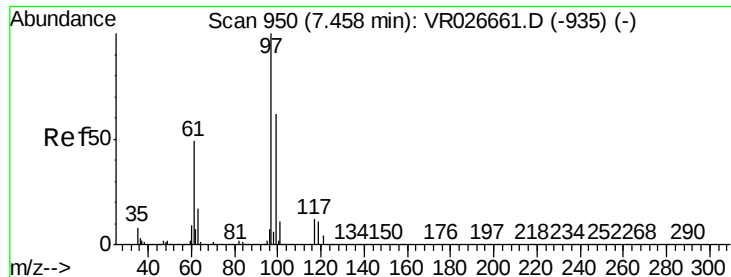
Tot Ion: 83 Resp: 437232
Ion Ratio Lower Upper
83 100
85 65.5 43.3 80.3



#27
1,2-Dichloroethane
Concen: 9.714 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion: 62 Resp: 170319
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 10.757 ug/L

RT: 7.45 min Scan# 949

Delta R.T. -0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :
MSVOA_R
ClientSampleId :

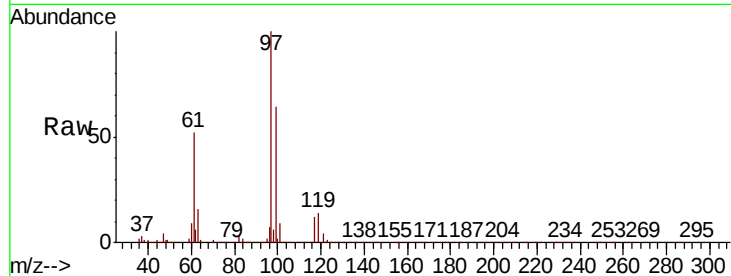
Tot Ion: 97 Resp: 353447

Ion Ratio Lower Upper

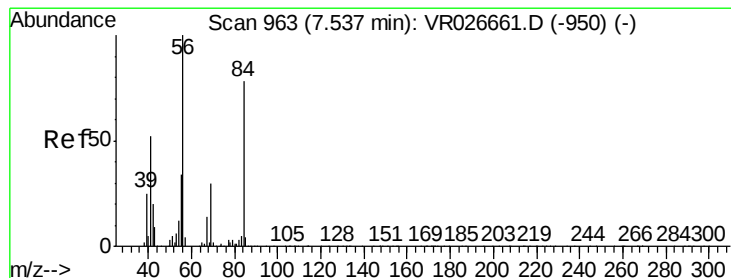
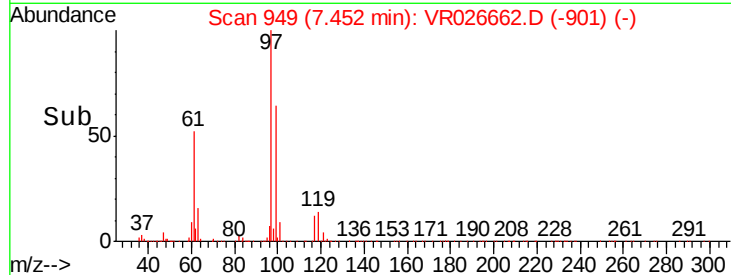
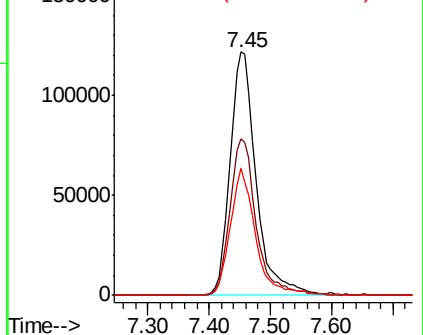
97 100

99 65.1 51.2 76.8

61 50.6 41.4 62.2



Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 15.032 ug/L

RT: 7.54 min Scan# 963

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

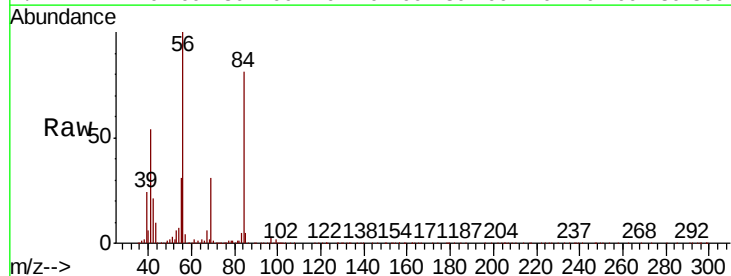
Tgt Ion: 56 Resp: 561866

Ion Ratio Lower Upper

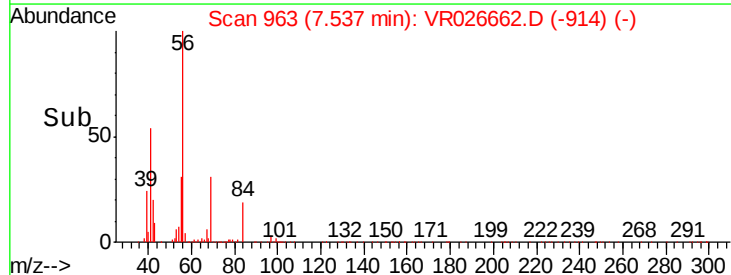
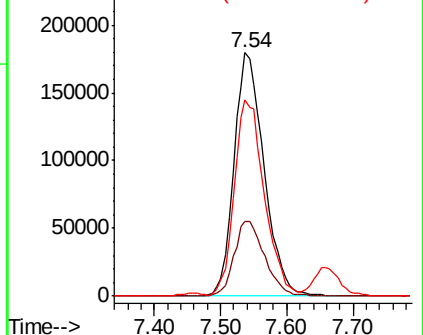
56 100

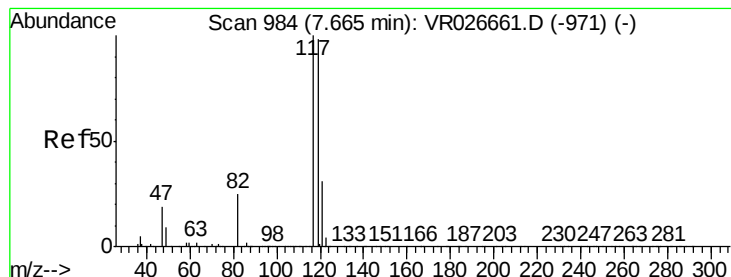
69 31.3 24.6 37.0

84 80.8 61.4 92.2



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0



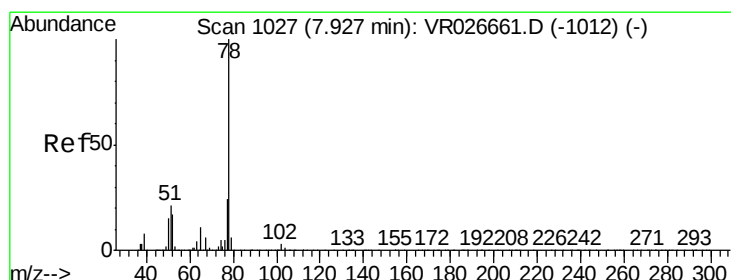
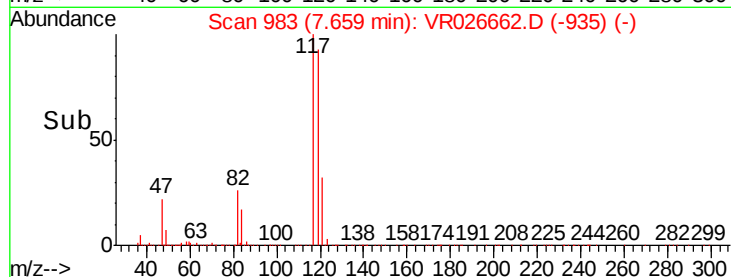
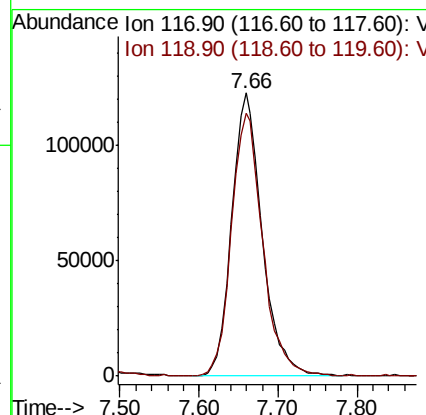
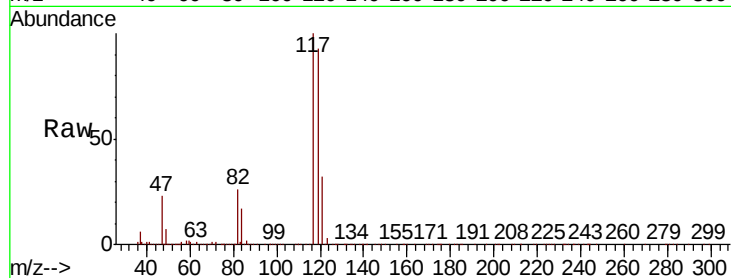


#31

Carbon tetrachloride
Concen: 10.683 ug/L
RT: 7.66 min Scan# 983
Delta R.T. -0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Instrument :
MSVOA_R
ClientSampleId :

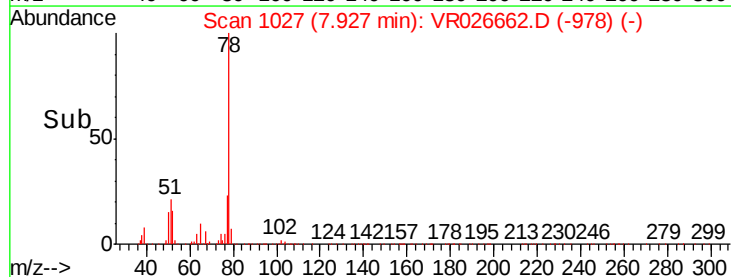
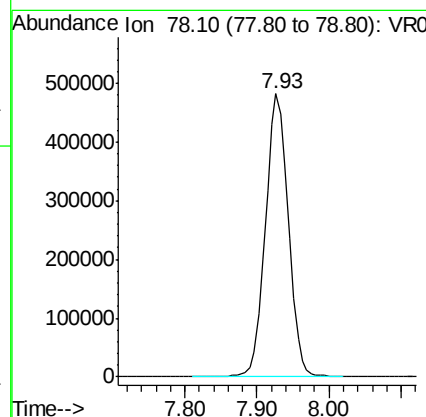
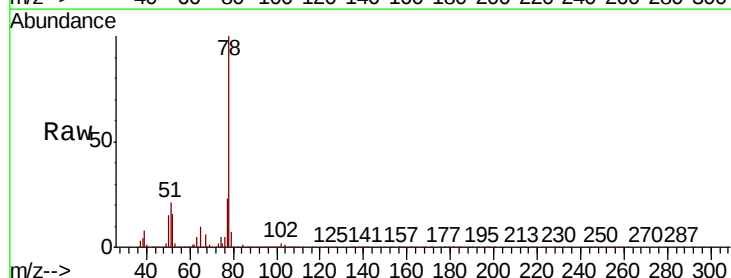
Tot Ion:117 Resp: 326493
Ion Ratio Lower Upper
117 100
119 95.5 76.8 115.2

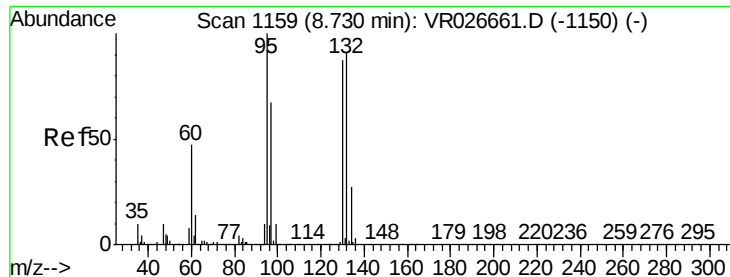


#33

Benzene
Concen: 11.359 ug/L
RT: 7.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion: 78 Resp: 1066071





#34

Trichloroethene

Concen: 10.330 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 254766

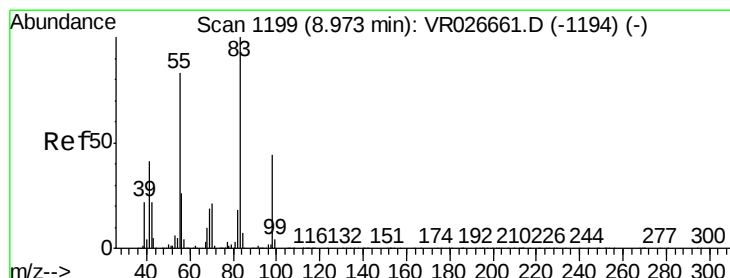
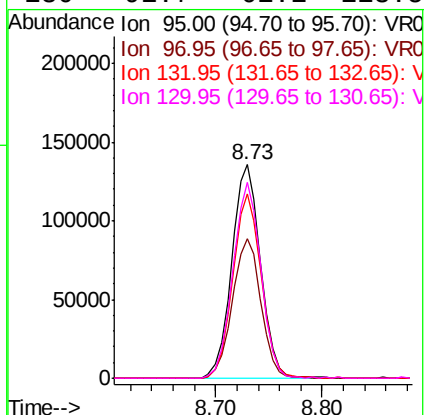
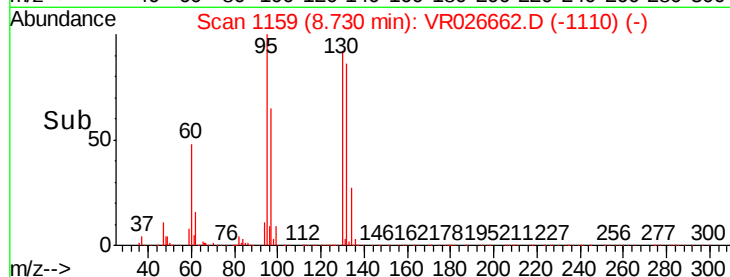
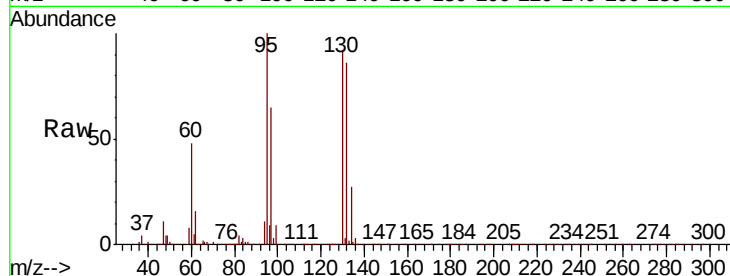
Ion Ratio Lower Upper

95 100

97 65.4 47.3 87.9

132 86.4 64.0 118.8

130 91.7 61.1 113.5



#35

Methylcyclohexane

Concen: 14.195 ug/L

RT: 8.97 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

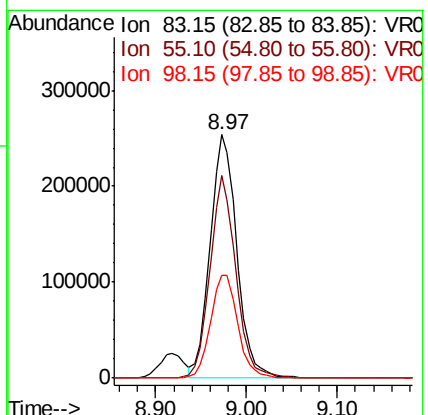
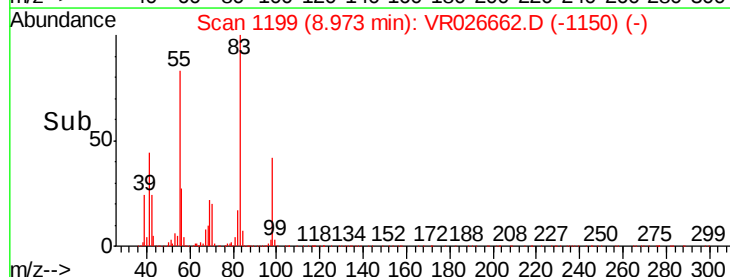
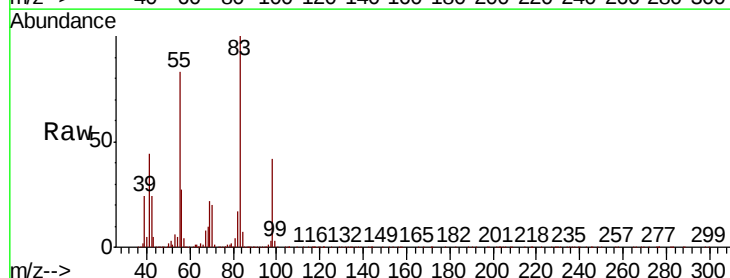
Tgt Ion: 83 Resp: 522166

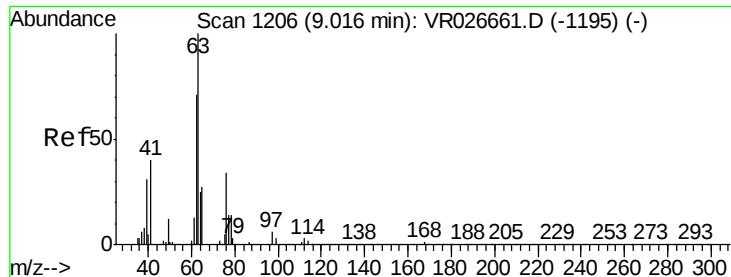
Ion Ratio Lower Upper

83 100

55 80.8 67.8 101.6

98 43.3 35.0 52.4





#37

1,2-Dichloropropane

Concen: 11.096 ug/L

RT: 9.02 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

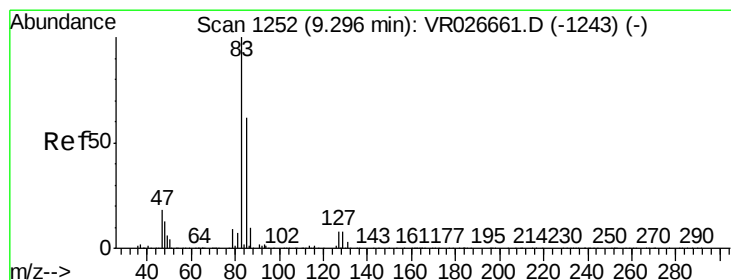
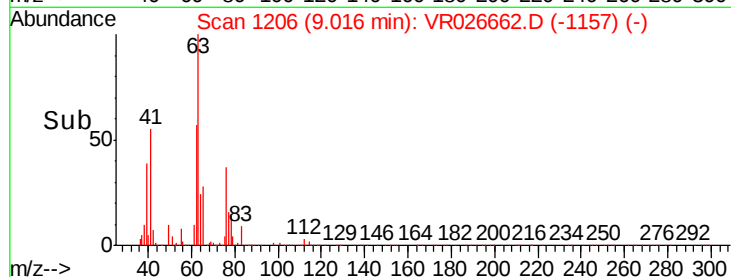
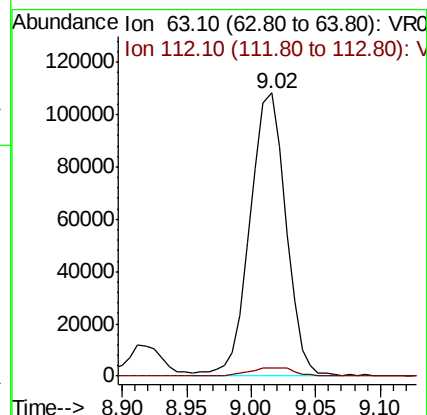
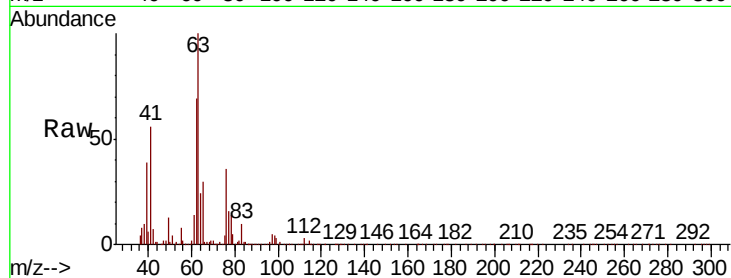
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 63 Resp: 207831

Ion Ratio Lower Upper

63 100

112 3.7 2.4 3.6#



#38

Bromodichloromethane

Concen: 10.440 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

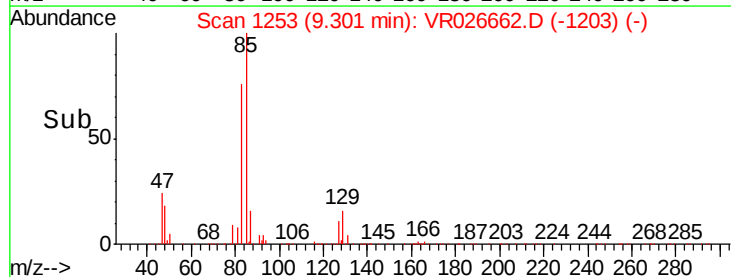
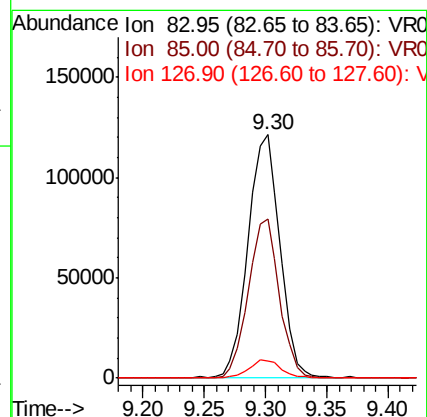
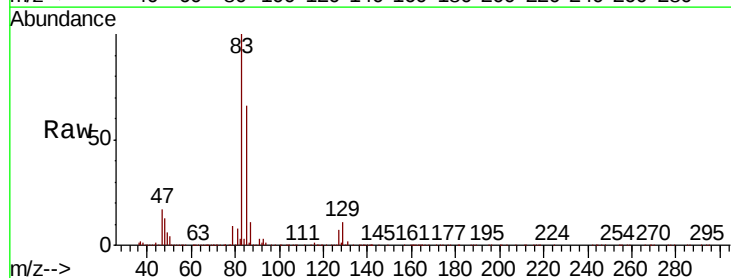
Tgt Ion: 83 Resp: 219619

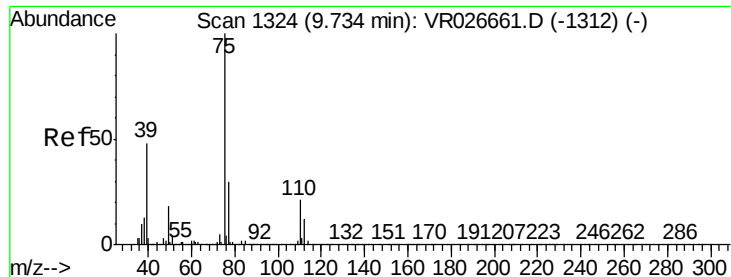
Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.7

127 7.1 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 11.873 ug/L

RT: 9.73 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

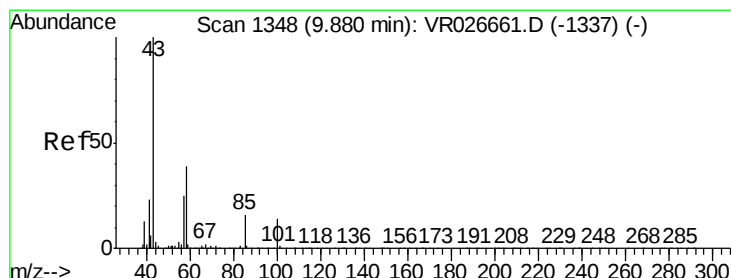
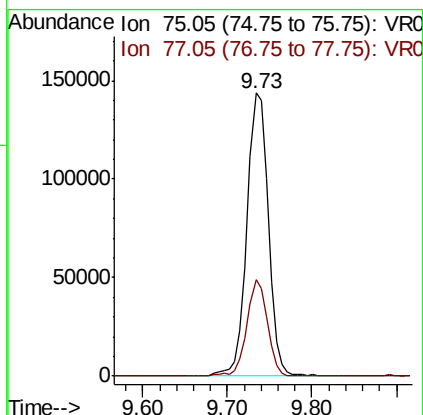
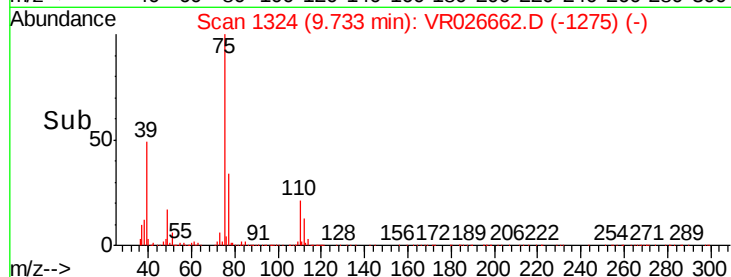
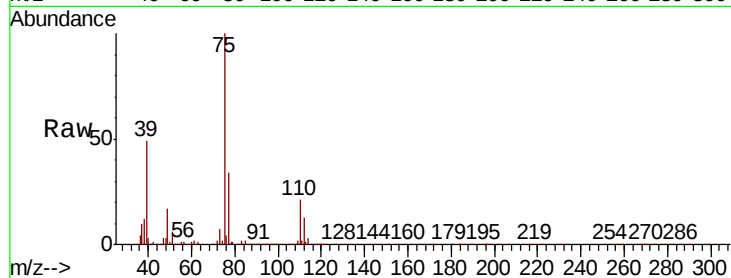
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 75 Resp: 244922

Ion Ratio Lower Upper

75 100

77 34.0 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 128.232 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

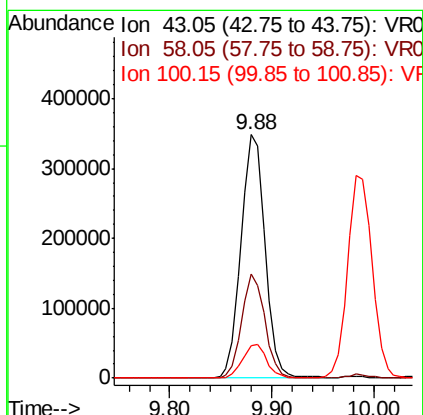
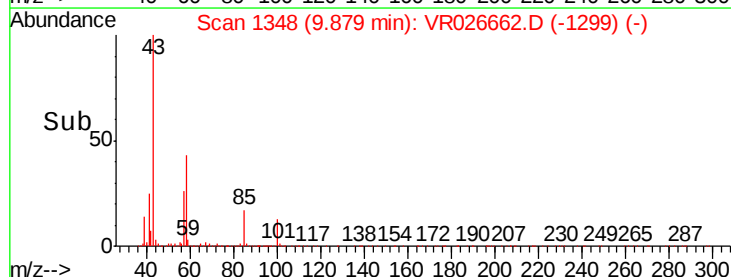
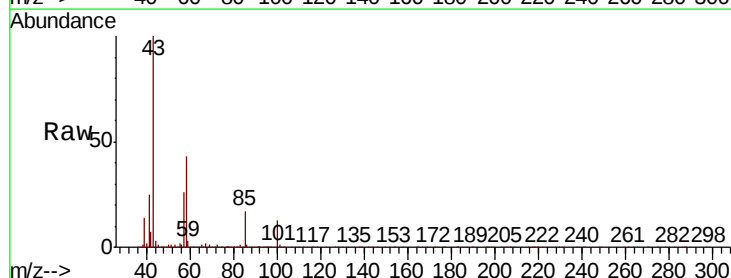
Tgt Ion: 43 Resp: 569388

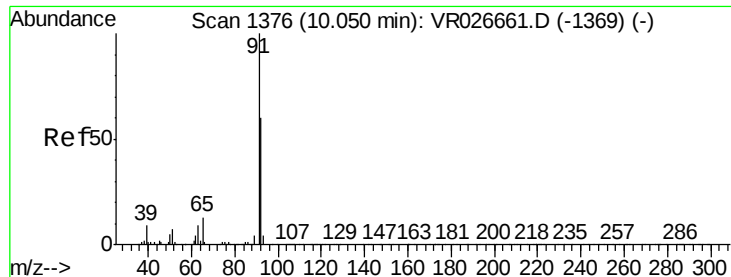
Ion Ratio Lower Upper

43 100

58 41.3 32.2 48.2

100 14.0 10.8 16.2





#42

Toluene

Concen: 12.079 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

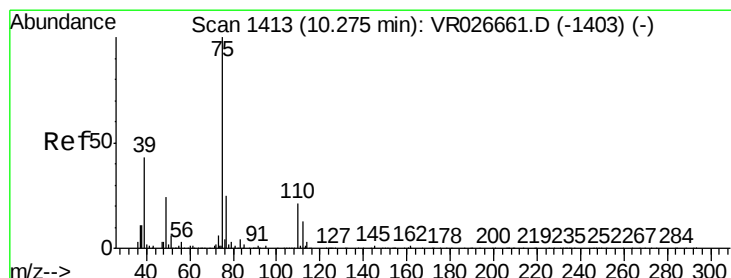
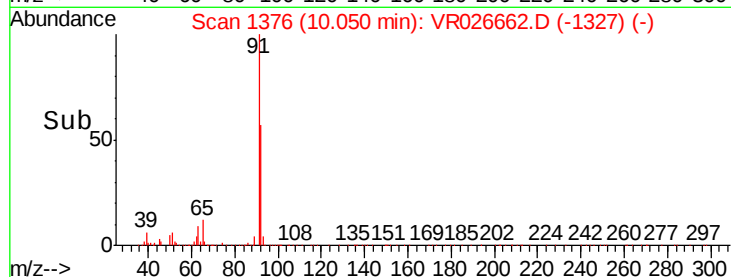
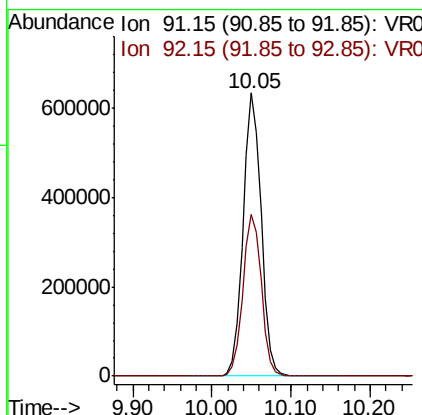
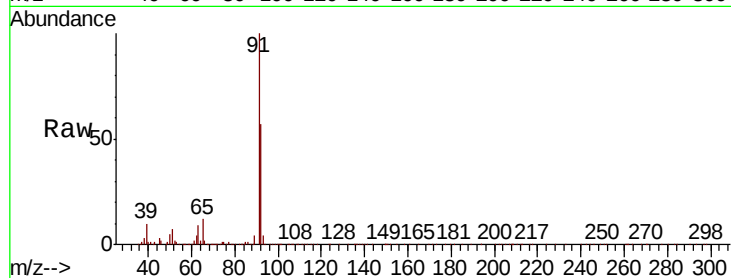
ClientSampled :

Tot Ion: 91 Resp: 1007596

Ion Ratio Lower Upper

91 100

92 57.4 42.4 78.6



#44

trans-1,3-Dichloropropene

Concen: 11.809 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VR026662.D

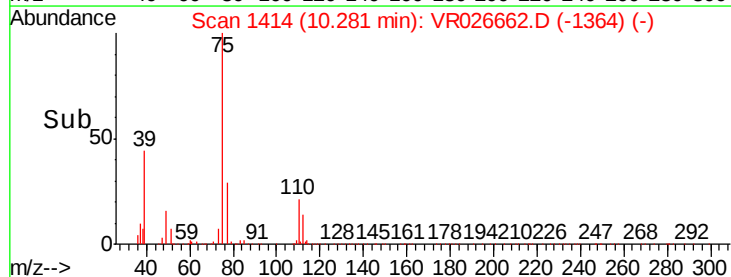
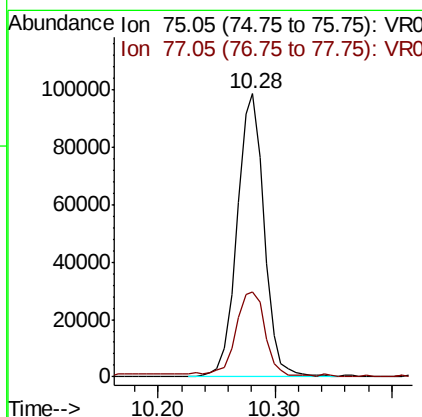
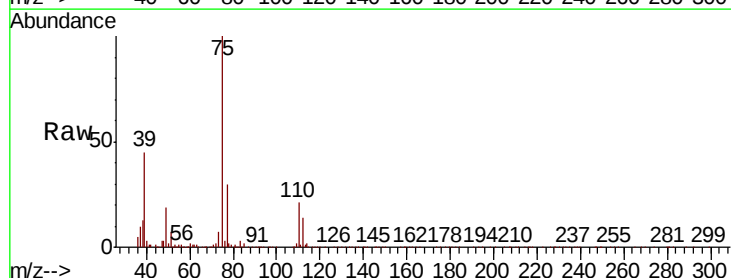
Acq: 11 Oct 2019 11:38

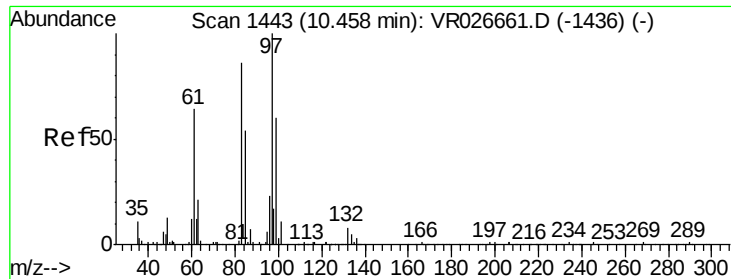
Tgt Ion: 75 Resp: 159042

Ion Ratio Lower Upper

75 100

77 29.8 19.8 36.8





#45

1,1,2-Trichloroethane

Concen: 9.382 ug/L

RT: 10.46 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 83078

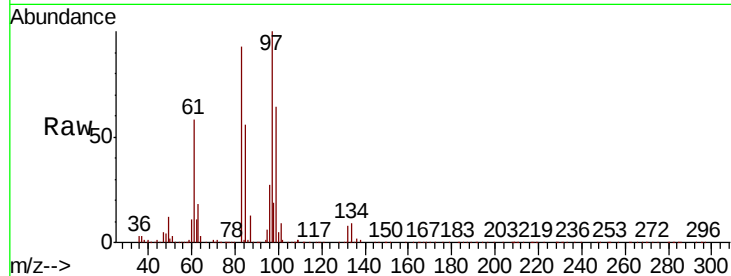
Ion Ratio Lower Upper

97 100

99 63.9 42.4 78.6

83 93.0 60.3 112.1

85 55.6 38.3 71.1

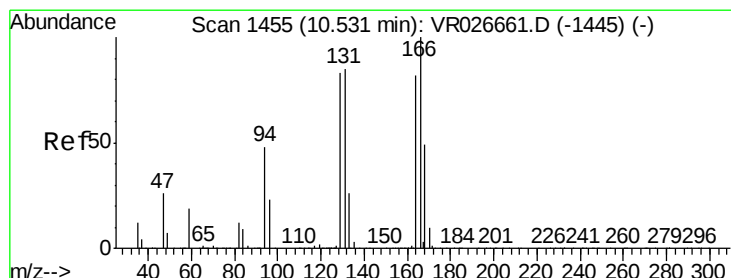
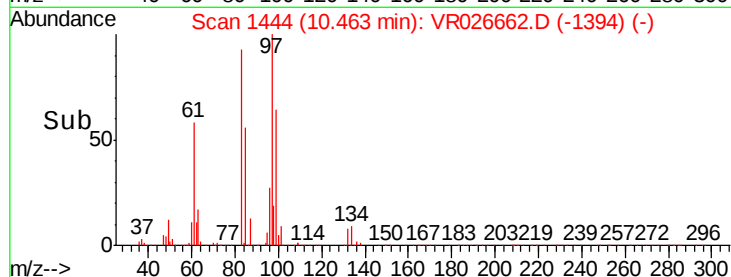
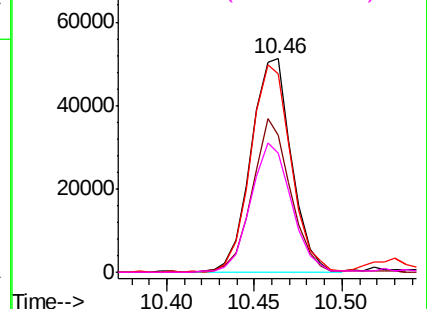


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 10.296 ug/L

RT: 10.53 min Scan# 1455

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Tgt Ion: 164 Resp: 157653

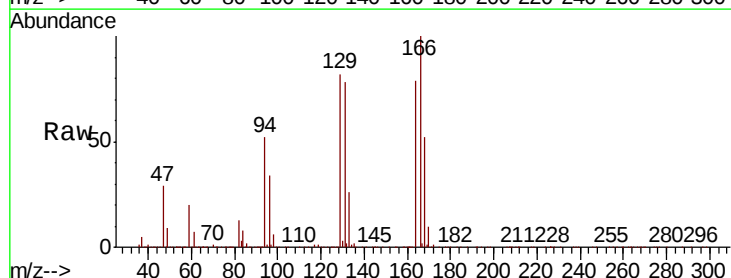
Ion Ratio Lower Upper

164 100

129 104.4 71.4 132.6

131 98.6 73.1 135.7

166 127.2 85.7 159.1

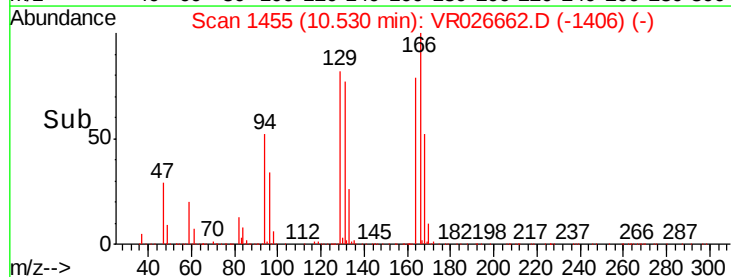
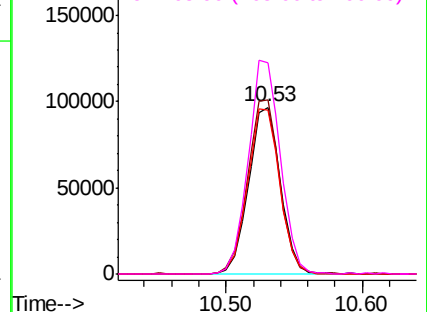


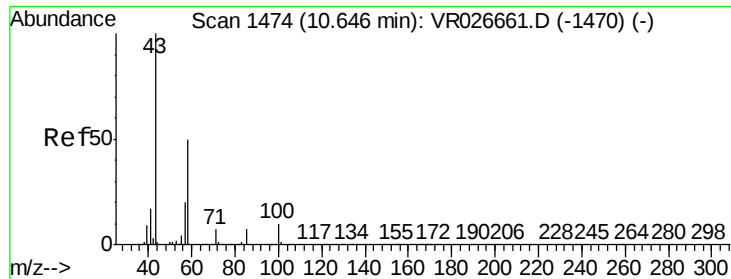
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

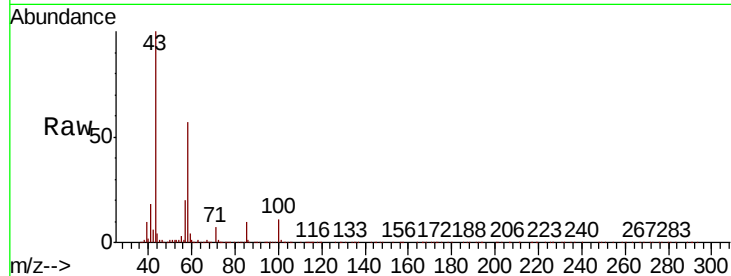




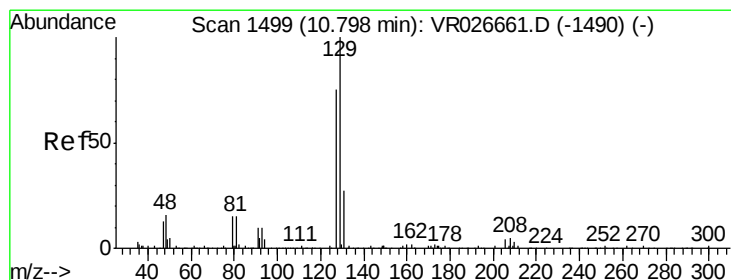
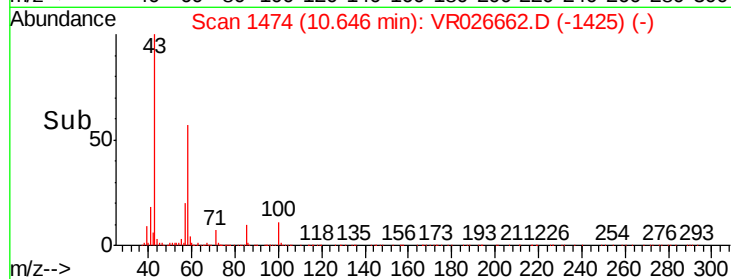
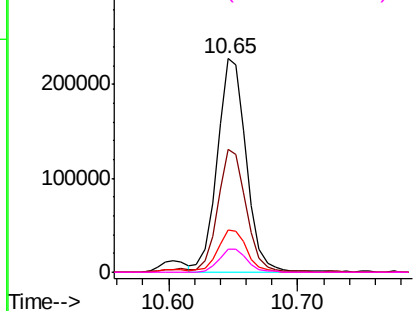
#48
2-Hexanone
Concen: 120.100 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	357731
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.0	67.4
57	19.9	16.2	24.4
100	10.6	8.4	12.6

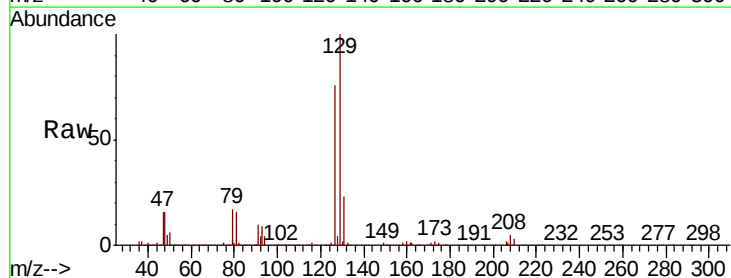


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

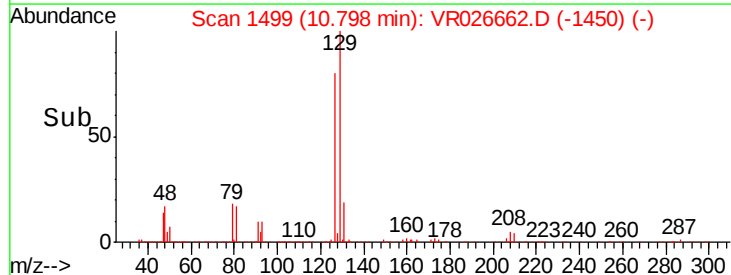
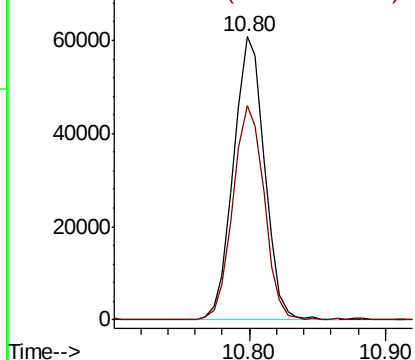


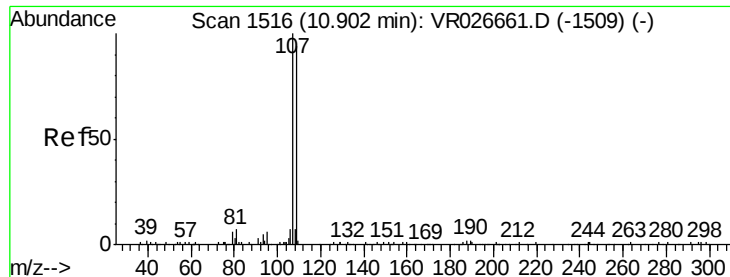
#49
Dibromochloromethane
Concen: 10.246 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion:	129	Resp:	96712
Ion	Ratio	Lower	Upper
129	100		
127	75.7	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

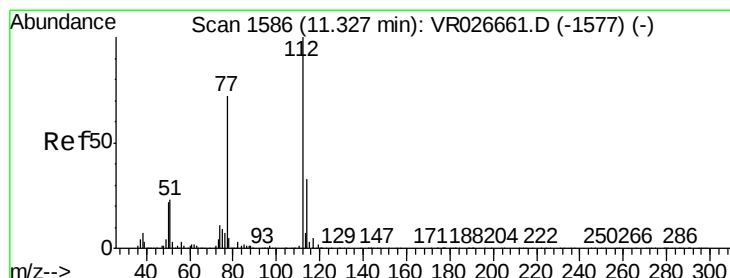
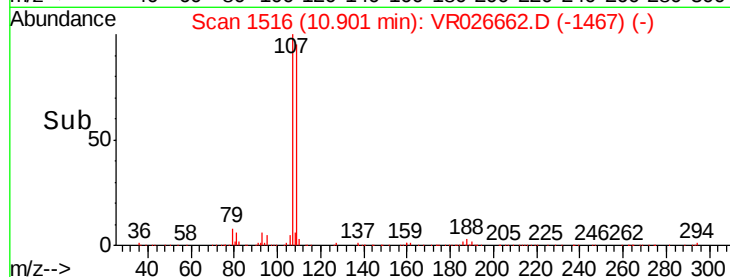
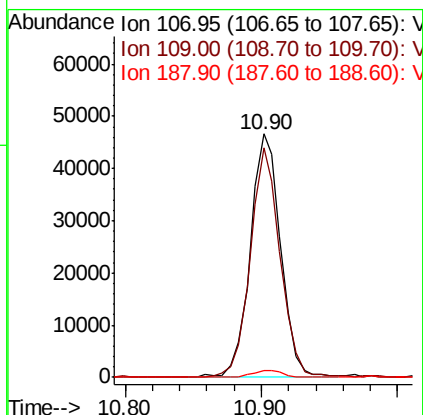
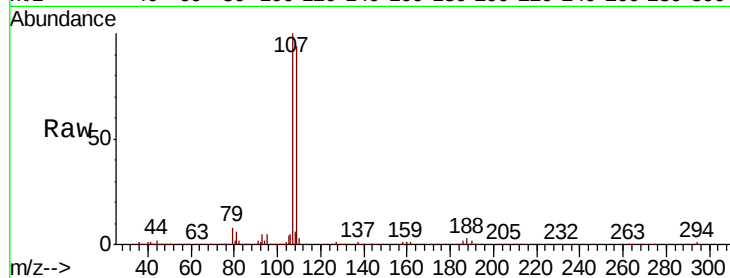




#50
1,2-Dibromoethane
Concen: 9.944 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

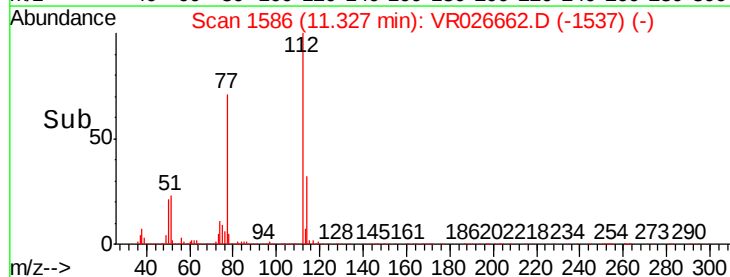
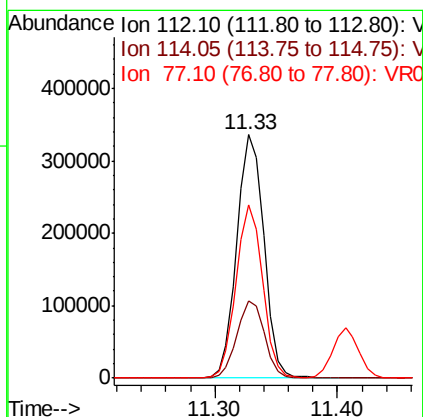
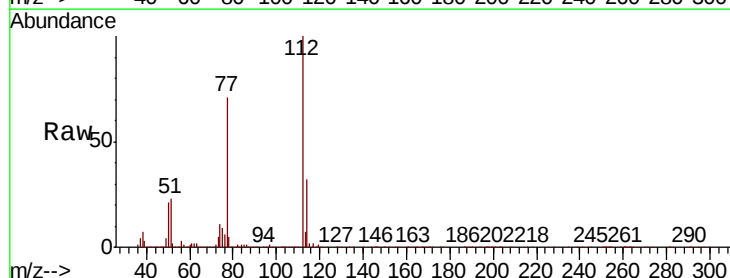
Instrument :
MSVOA_R
ClientSampleId :

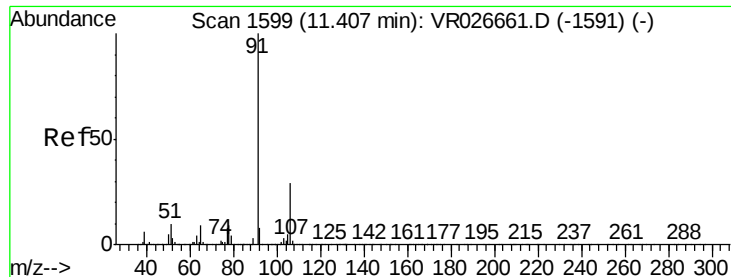
Tot Ion:107 Resp: 72911
Ion Ratio Lower Upper
107 100
109 94.4 66.9 124.3
188 3.1 1.8 2.6#



#51
Chlorobenzene
Concen: 10.361 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion:112 Resp: 514240
Ion Ratio Lower Upper
112 100
114 31.8 23.1 42.9
77 71.1 57.2 85.8





#52

Ethylbenzene

Concen: 12.253 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

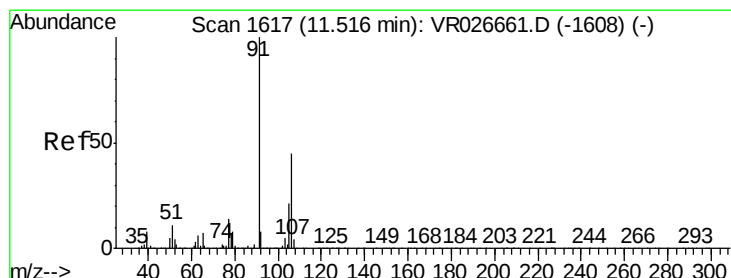
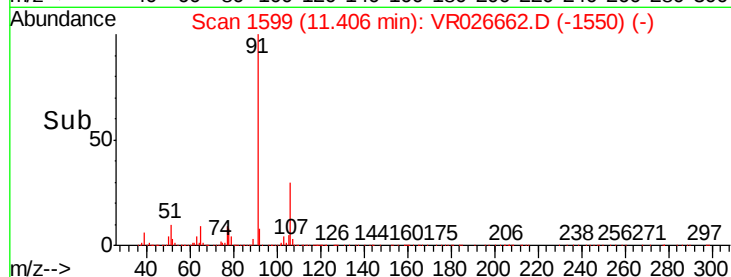
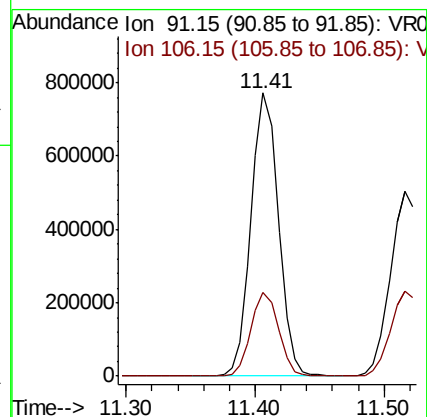
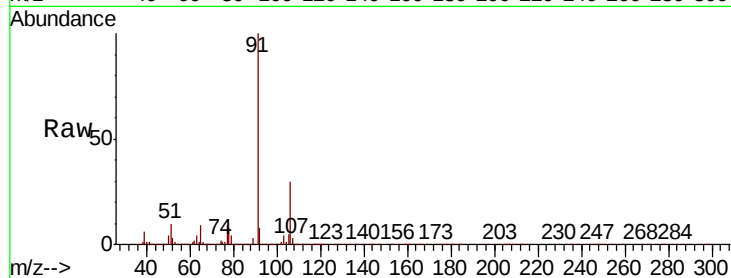
ClientSampled :

Tot Ion: 91 Resp: 1130233

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.2



#53

m,p-Xylene

Concen: 12.083 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026662.D

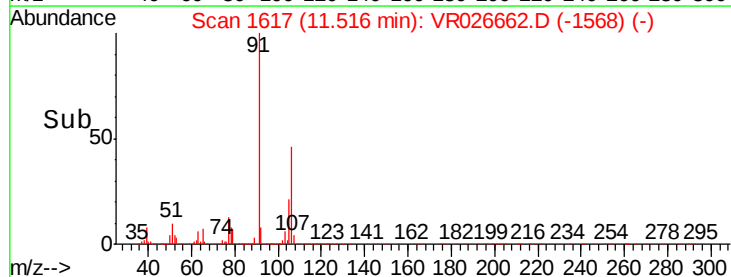
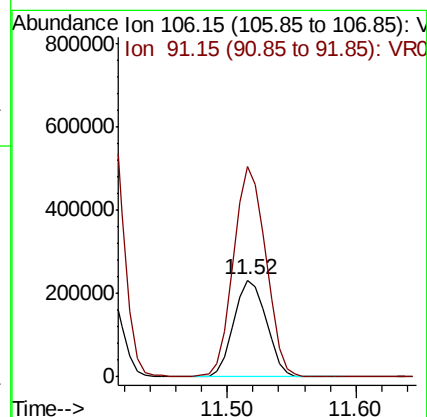
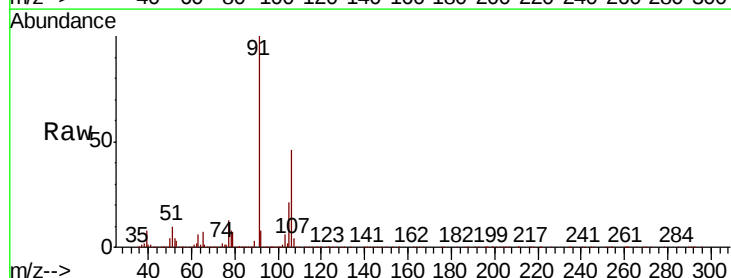
Acq: 11 Oct 2019 11:38

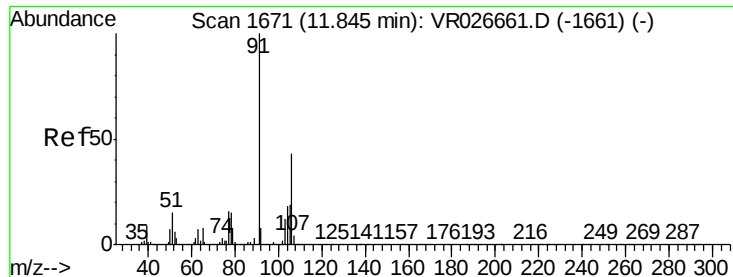
Tgt Ion: 106 Resp: 411279

Ion Ratio Lower Upper

106 100

91 216.6 157.0 291.6

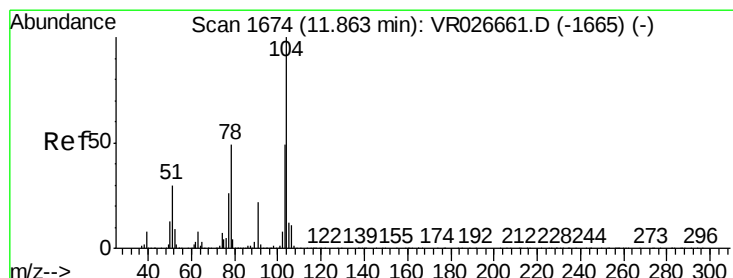
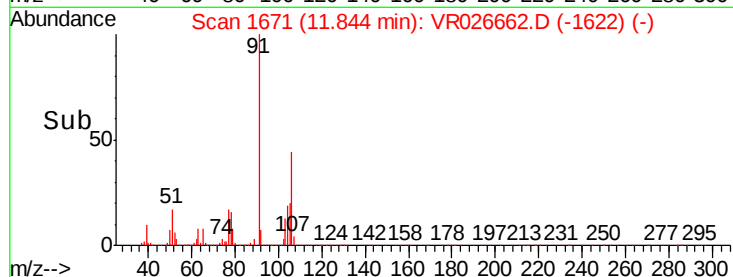
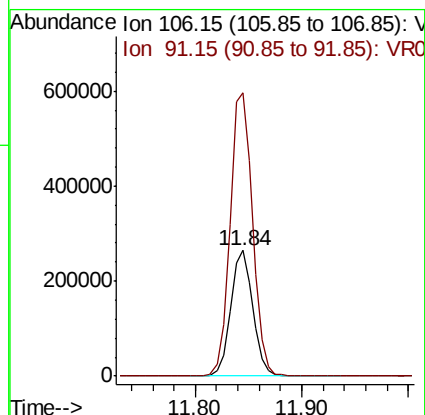
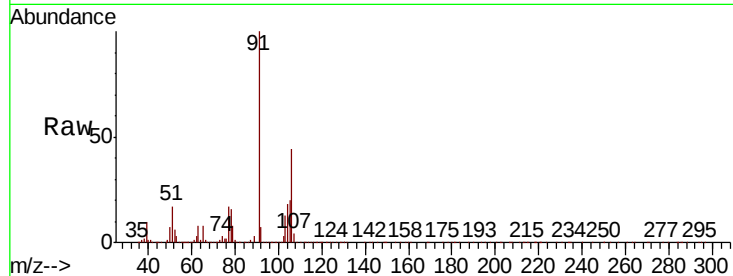




#54
o-Xylene
Concen: 12.295 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

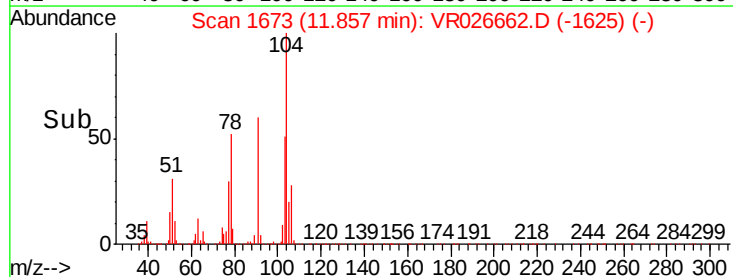
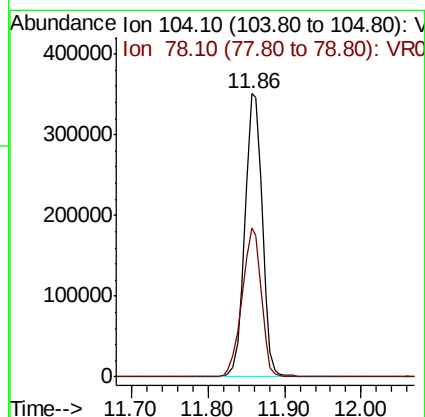
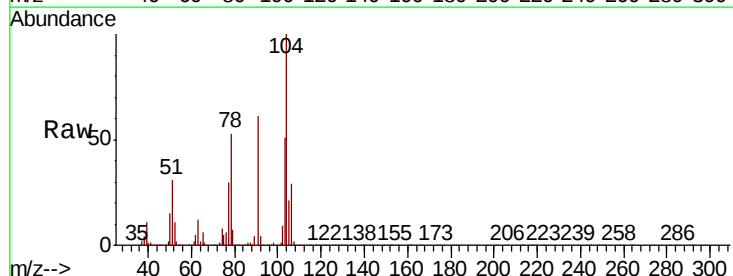
Instrument :
MSVOA_R
ClientSampleId :

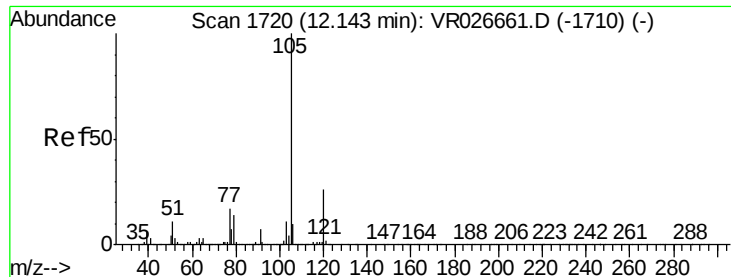
Tot Ion:106 Resp: 382927
Ion Ratio Lower Upper
106 100
91 225.5 164.5 305.5



#55
Styrene
Concen: 12.244 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026662.D
Acq: 11 Oct 2019 11:38

Tgt Ion:104 Resp: 551046
Ion Ratio Lower Upper
104 100
78 52.5 34.1 63.3





#56

Isopropylbenzene

Concen: 12.406 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampled :

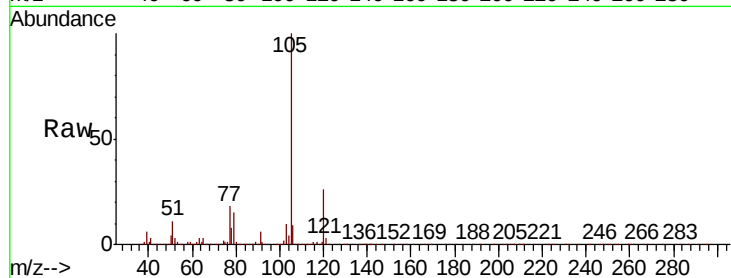
Tot Ion:105 Resp: 1136940

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

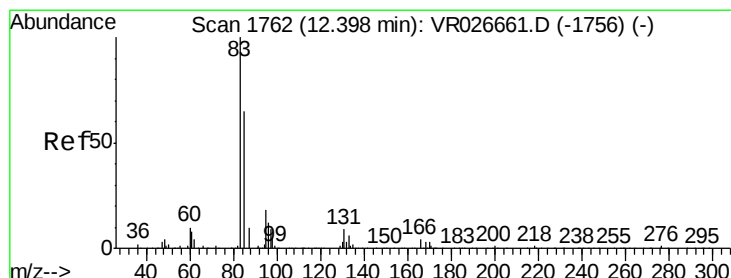
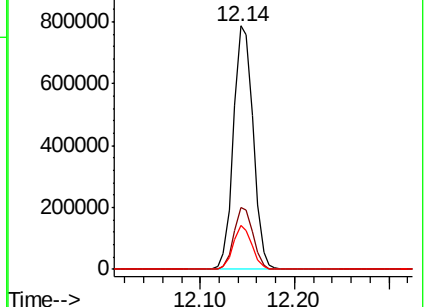
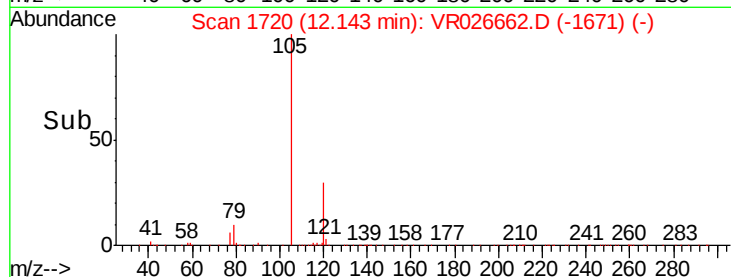
77 17.0 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 10.643 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

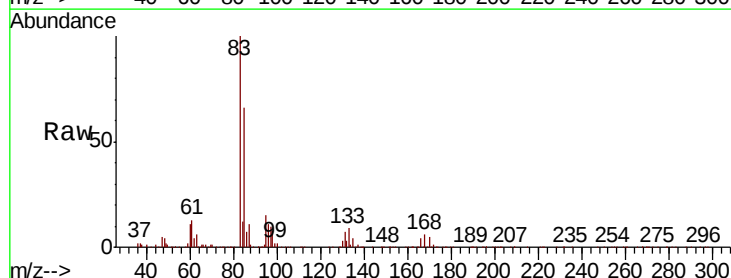
Tgt Ion: 83 Resp: 99052

Ion Ratio Lower Upper

83 100

85 66.2 46.2 85.8

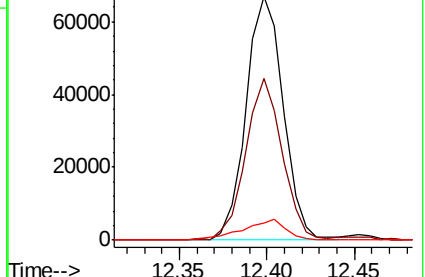
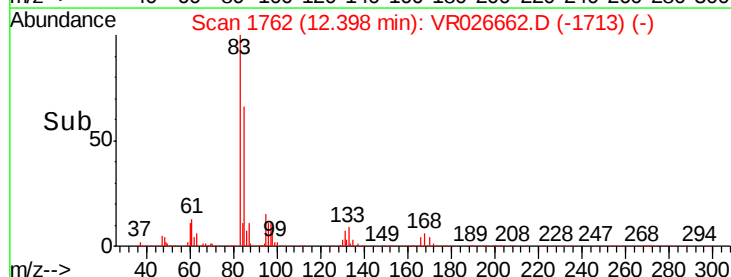
131 7.2 7.4 11.0#

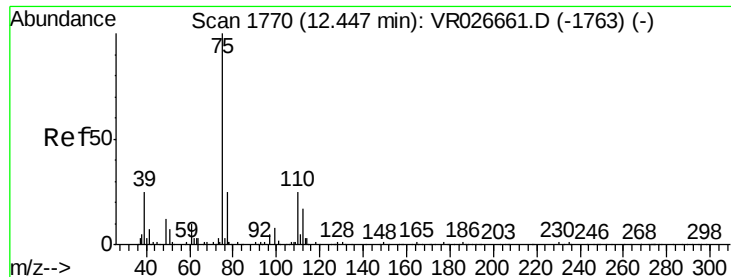


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

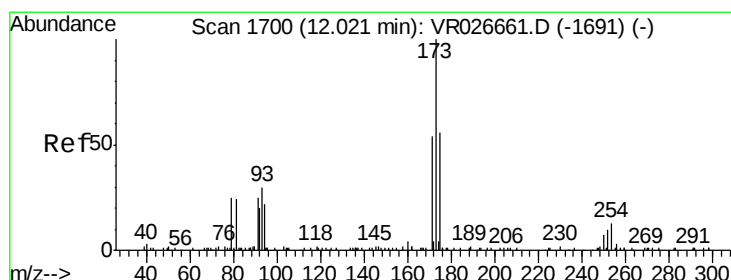
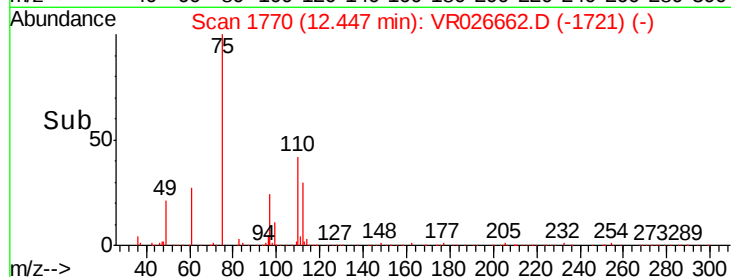
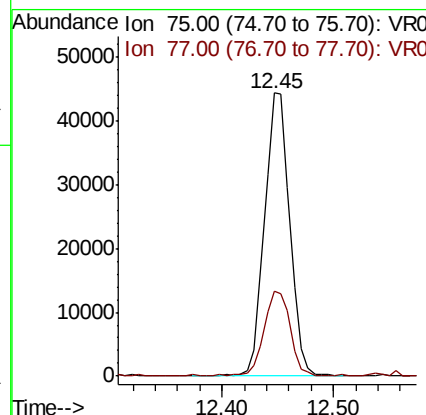
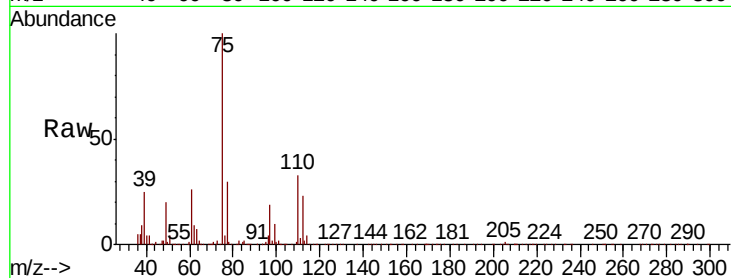




#59
 1,2,3-Trichloropropane
 Concen: 10.099 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

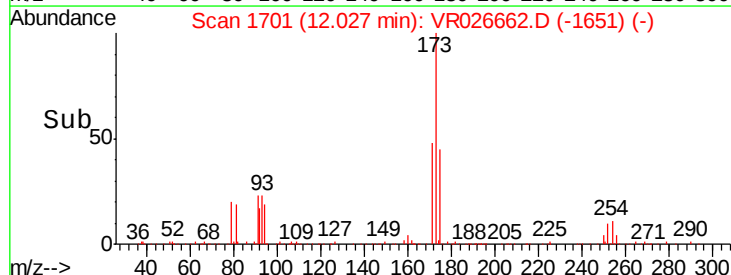
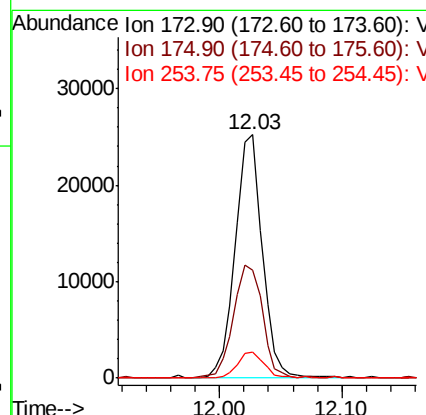
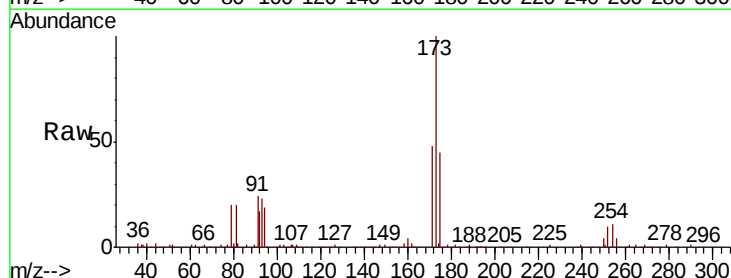
Instrument :
 MSVOA_R
 ClientSampleID :

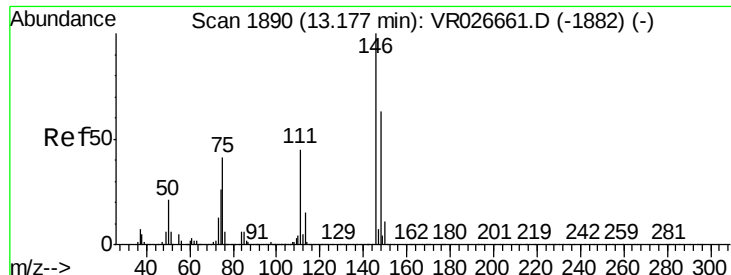
Tot Ion: 75 Resp: 70320
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6



#61
 Bromoform
 Concen: 9.934 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

Tgt Ion:173 Resp: 38610
 Ion Ratio Lower Upper
 173 100
 175 49.6 42.0 63.0
 254 10.4 10.5 15.7#





#62

1,3-Dichlorobenzene

Concen: 10.256 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026662.D

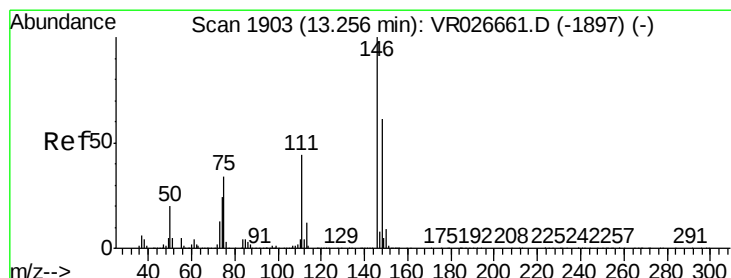
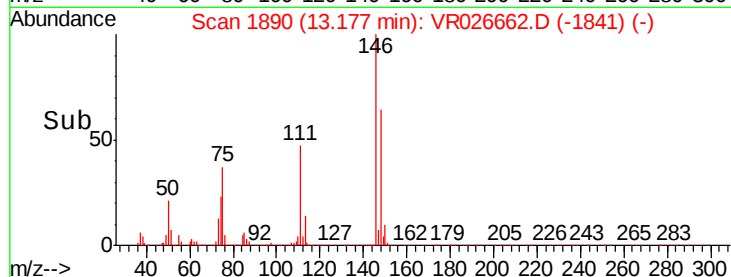
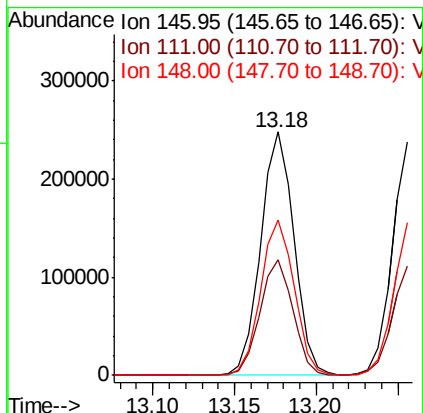
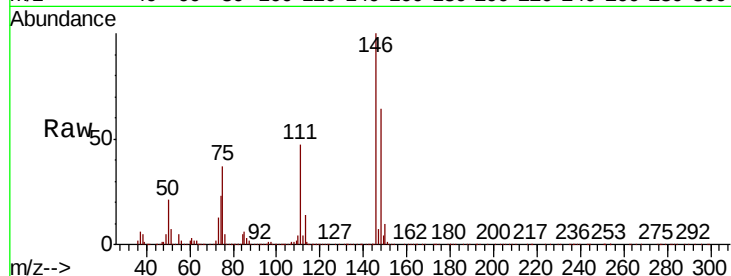
Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	146	Resp:	352509
Ion	Ratio	Lower	Upper
146	100		
111	47.3	31.8	59.0
148	63.8	43.8	81.4



#63

1,4-Dichlorobenzene

Concen: 9.772 ug/L

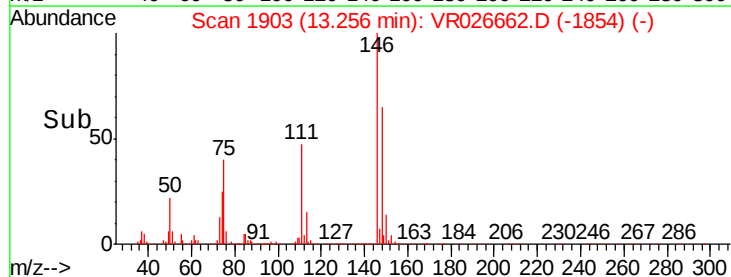
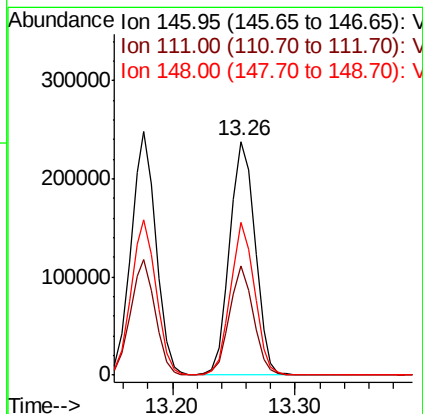
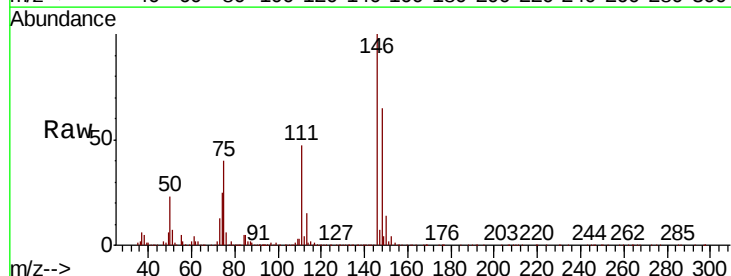
RT: 13.26 min Scan# 1903

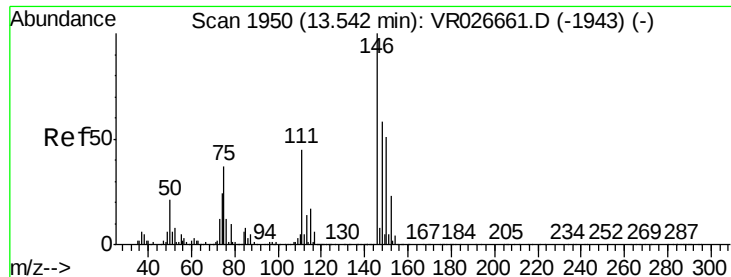
Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Tgt Ion:	146	Resp:	341622
Ion	Ratio	Lower	Upper
146	100		
111	47.0	30.5	56.7
148	65.2	43.1	80.1

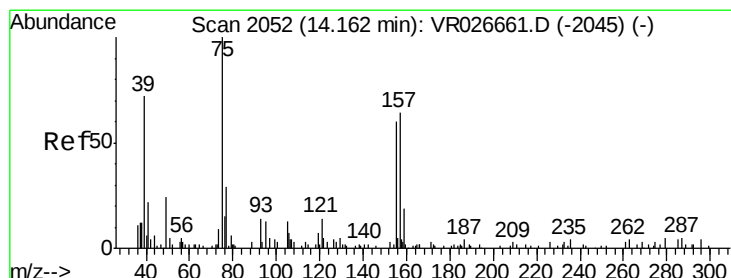
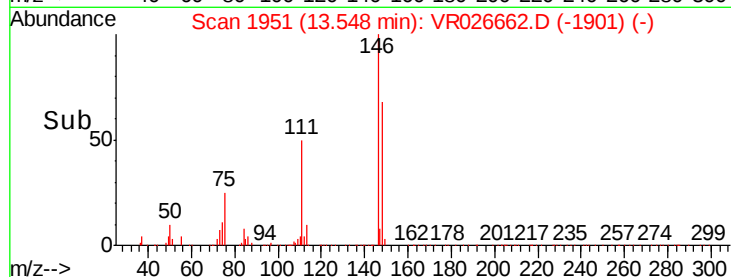
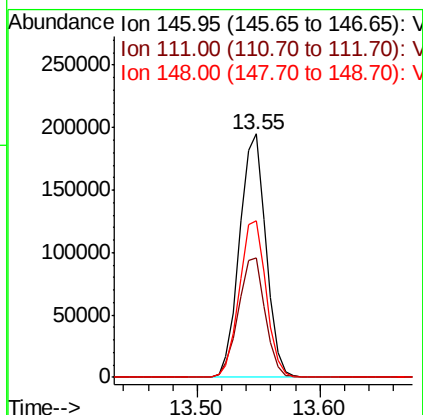
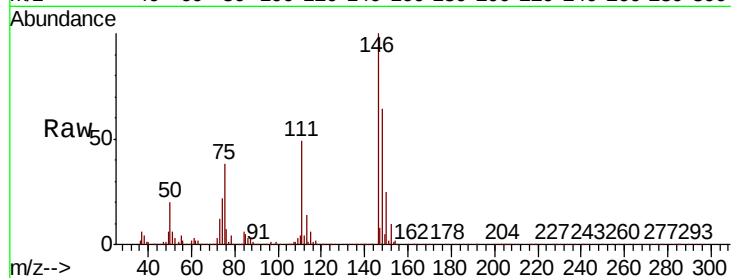




#65
 1,2-Dichlorobenzene
 Concen: 9.737 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

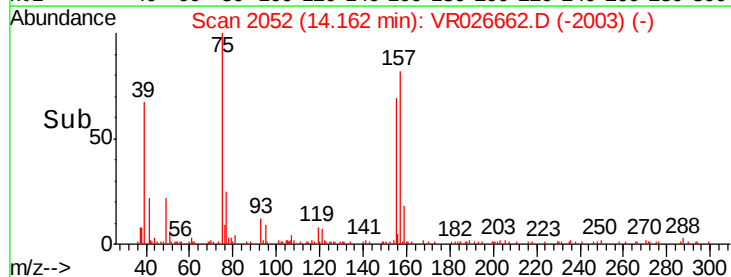
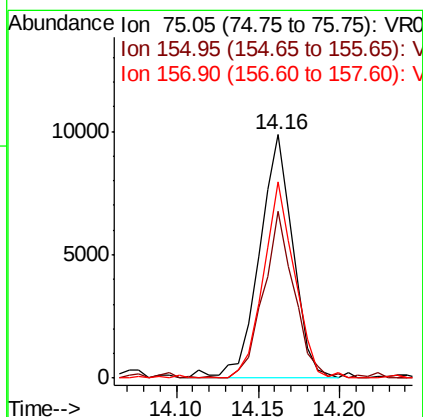
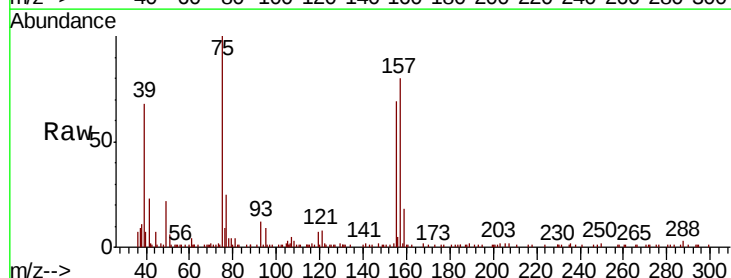
Instrument :
 MSVOA_R
 ClientSampleId :

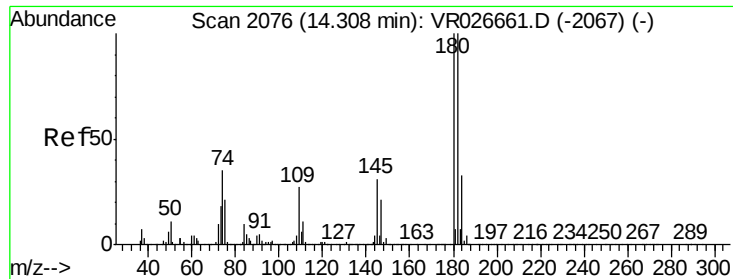
Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	36.4	54.6
148	64.4	46.6	70.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.298 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	48.3	72.5
157	80.5	50.9	76.3

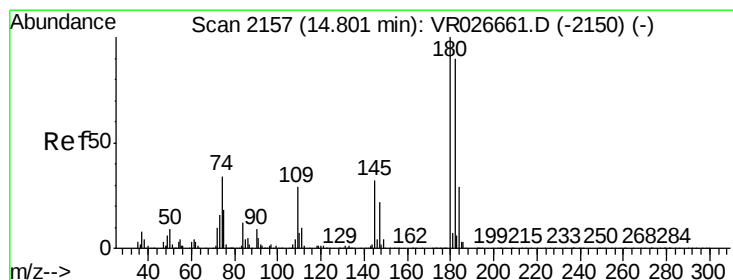
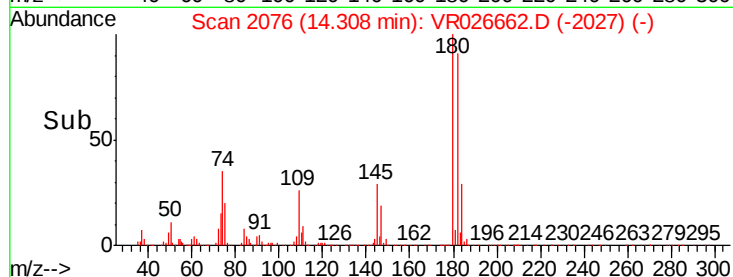
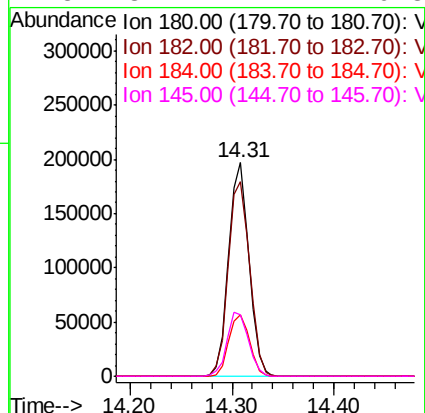
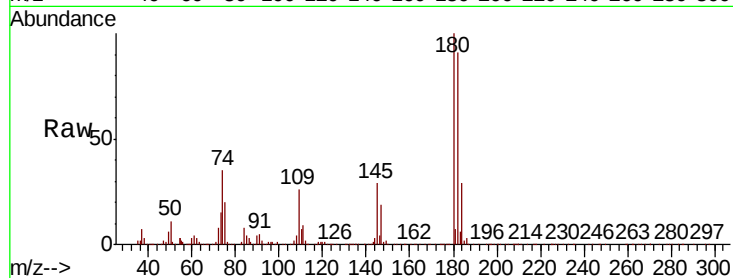




#67
 1,3,5-Trichlorobenzene
 Concen: 10.247 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

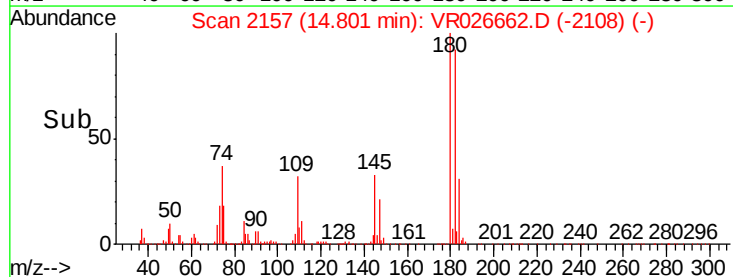
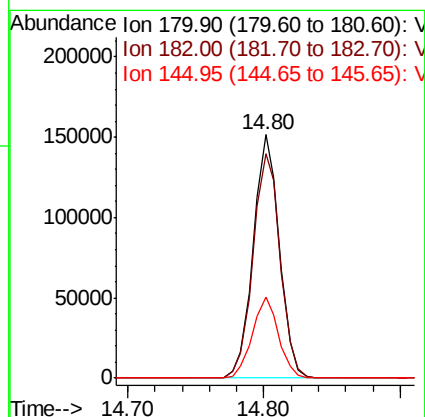
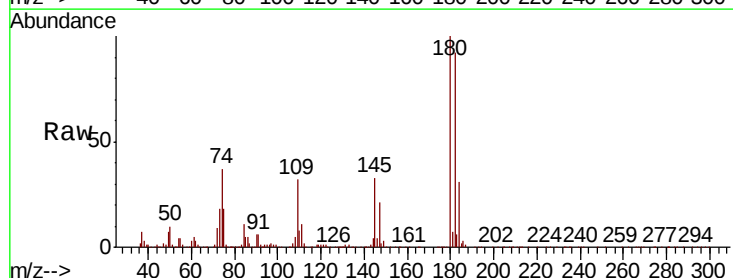
Instrument :
 MSVOA_R
 ClientSampleId :

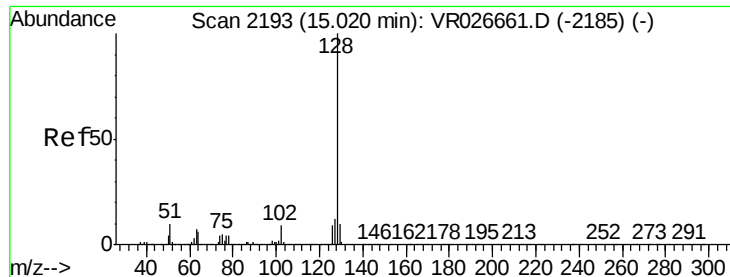
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.2	117.4
184	29.5	25.7	38.5
145	31.4	27.2	40.8



#68
 1,2,4-trichlorobenzene
 Concen: 10.081 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026662.D
 Acq: 11 Oct 2019 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.2	112.8
145	33.5	26.2	39.2





#69

Naphthalene

Concen: 12.407 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

Instrument :

MSVOA_R

ClientSampled :

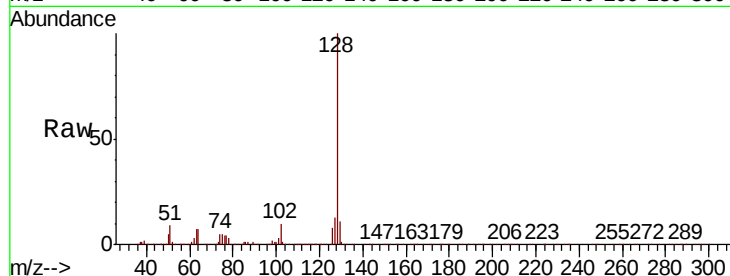
Tot Ion:128 Resp: 283282

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

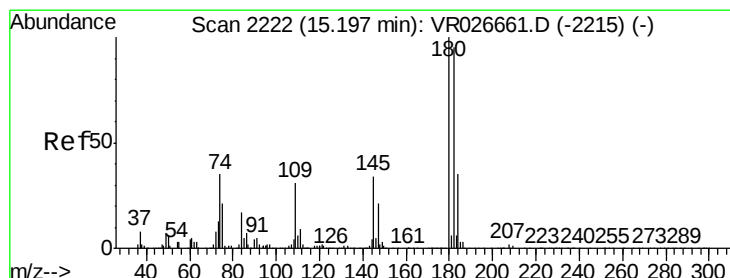
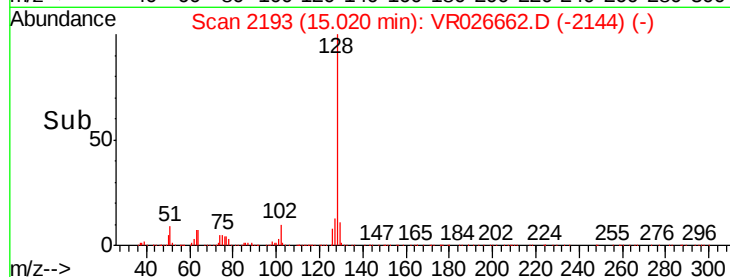
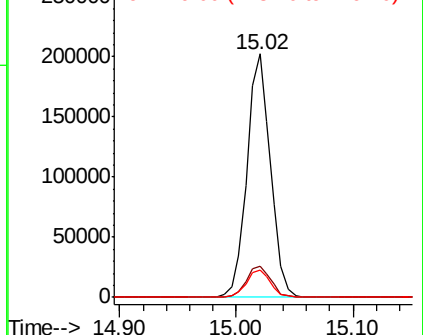
129 11.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.898 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026662.D

Acq: 11 Oct 2019 11:38

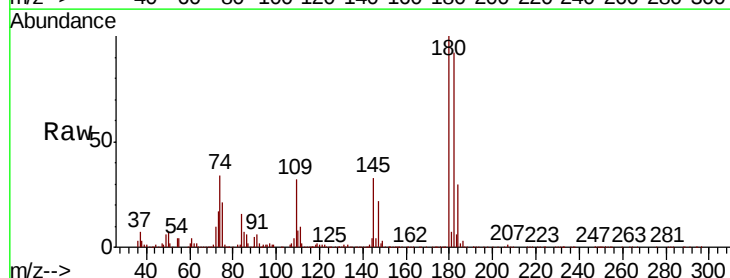
Tgt Ion:180 Resp: 178709

Ion Ratio Lower Upper

180 100

182 92.4 76.1 114.1

145 34.1 28.0 42.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

