

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101019\
 Data File : VR026655.D
 Acq On : 10 Oct 2019 17:51
 Operator : SY/MD
 Sample : VSTD0.564
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 11 06:09:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 05:48:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	196276	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	162267	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	80729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	2812	0.42	ug/L	0.00
7) Chloroethane-d5	2.65	69	5708	1.01	ug/L	0.02
11) 1,1-Dichloroethene-d2	3.64	63	6672	0.38	ug/L	0.00
20) 2-Butanone-d5	6.62	46	5682	4.62	ug/L	0.00
24) Chloroform-d	7.23	84	15246	0.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	6143	0.77	ug/L	0.00
32) Benzene-d6	7.88	84	29032	0.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	7666	0.64	ug/L	0.00
41) Toluene-d8	9.99	98	19087	0.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	1859	0.66	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	3920	4.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	3700	0.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	7313	0.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	16802	0.691 ug/L	93
3) Chloromethane	2.06	50	4434	0.357 ug/L	93
5) Vinyl chloride	2.20	62	8216	0.664 ug/L	95
6) Bromomethane	2.54	94	5354	0.673 ug/L #	28
8) Chloroethane	2.68	64	4951	0.697 ug/L	89
9) Trichlorofluoromethane	2.99	101	16383	0.745 ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	3877	0.409 ug/L #	55
12) 1,1-Dichloroethene	3.67	96	6639	0.721 ug/L	78
13) Acetone	3.74	43	6361	6.871 ug/L	80
14) Carbon disulfide	3.98	76	39699	0.877 ug/L	99
15) Methyl Acetate	4.23	43	1661	0.431 ug/L #	33
16) Methylene chloride	4.44	84	11057	0.575 ug/L	91
18) trans-1,2-Dichloroethene	4.92	96	11352	0.593 ug/L	75
19) 1,1-Dichloroethane	5.73	63	18992	0.543 ug/L #	92
21) 2-Butanone	6.73	43	7551	4.582 ug/L	99
22) cis-1,2-Dichloroethene	6.71	96	10289	0.567 ug/L #	85
23) Bromochloromethane	7.08	128	3123	0.609 ug/L #	85
25) Chloroform	7.26	83	22794	0.669 ug/L	93
27) 1,2-Dichloroethane	8.02	62	7210	0.592 ug/L #	88
29) 1,1,1-Trichloroethane	7.45	97	14845	0.554 ug/L	95
30) Cyclohexane	7.55	56	11510	0.394 ug/L	96
31) Carbon tetrachloride	7.66	117	13605	0.586 ug/L	99
33) Benzene	7.93	78	37373	0.497 ug/L	100
34) Trichloroethene	8.73	95	11044	0.591 ug/L	84
35) Methylcyclohexane	8.98	83	11718	0.409 ug/L	88
37) 1,2-Dichloropropane	9.02	63	8184	0.547 ug/L #	94
38) Bromodichloromethane	9.30	83	9640	0.596 ug/L	85
40) 4-Methyl-2-pentanone	9.88	43	14623	3.979 ug/L	93
42) Toluene	10.05	91	26490	0.400 ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	5317	0.513 ug/L	93

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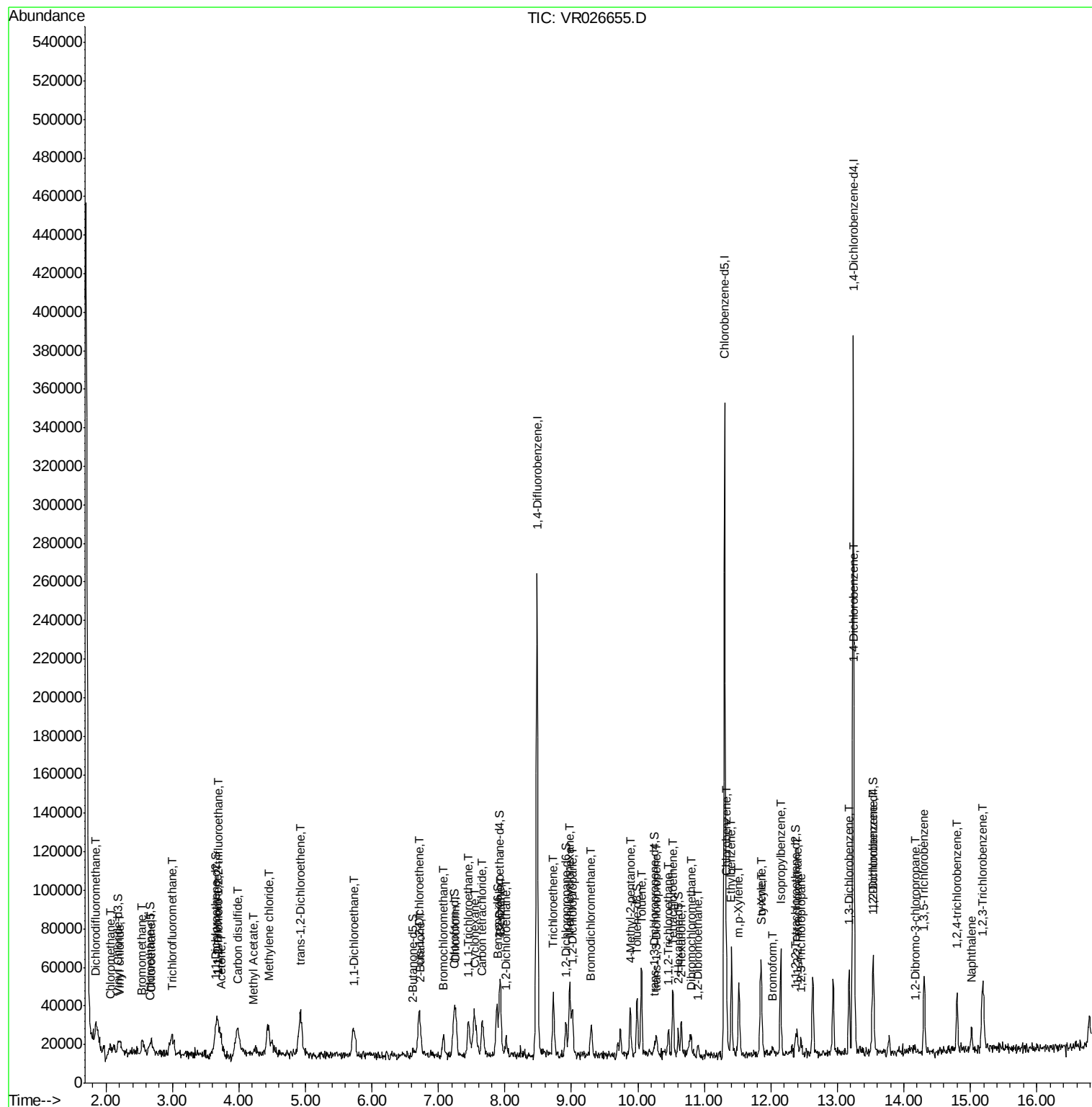
45) 1,1,2-Trichloroethane	10.46	97	4396	0.680	ug/L	82
47) Tetrachloroethene	10.52	164	6659	0.588	ug/L	91
48) 2-Hexanone	10.65	43	10926	4.658	ug/L	92
49) Dibromochloromethane	10.80	129	4168	0.591	ug/L	92
50) 1,2-Dibromoethane	10.90	107	3217	0.573	ug/L #	86
51) Chlorobenzene	11.33	112	21556	0.563	ug/L	96
52) Ethylbenzene	11.41	91	31144	0.418	ug/L	96
53) m,p-Xylene	11.52	106	11478	0.428	ug/L	97
54) o-Xylene	11.84	106	9470	0.360	ug/L	90
55) Styrene	11.86	104	13172	0.350	ug/L	99
56) Isopropylbenzene	12.15	105	29736	0.399	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	4310	0.572	ug/L #	92
59) 1,2,3-Trichloropropane	12.45	75	3219	0.601	ug/L	92
61) Bromoform	12.02	173	1774	0.550	ug/L	89
62) 1,3-Dichlorobenzene	13.18	146	14990	0.512	ug/L	95
63) 1,4-Dichlorobenzene	13.26	146	16243	0.556	ug/L	93
65) 1,2-Dichlorobenzene	13.55	146	13346	0.542	ug/L #	91
66) 1,2-Dibromo-3-chloropropan	14.16	75	1050	0.842	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.30	180	11312	0.484	ug/L	95
68) 1,2,4-trichlorobenzene	14.80	180	8477	0.517	ug/L	98
69) Naphthalene	15.01	128	6301	0.294	ug/L #	83
70) 1,2,3-Trichlorobenzene	15.20	180	7465	0.501	ug/L	87

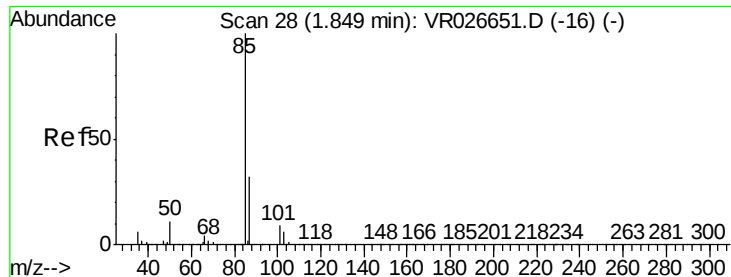
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.691 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

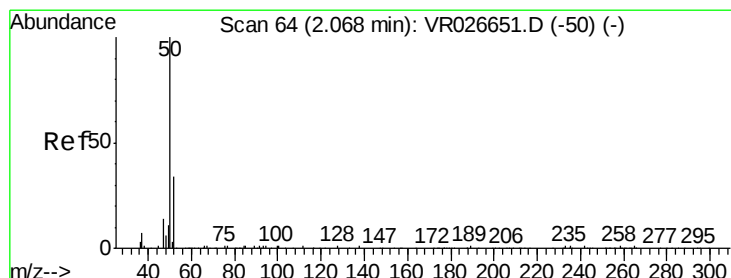
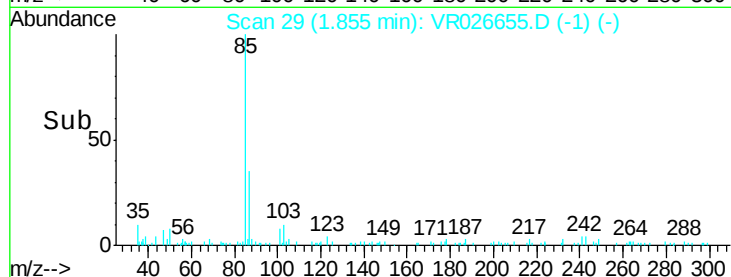
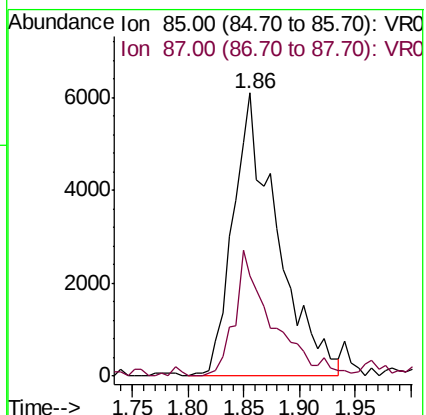
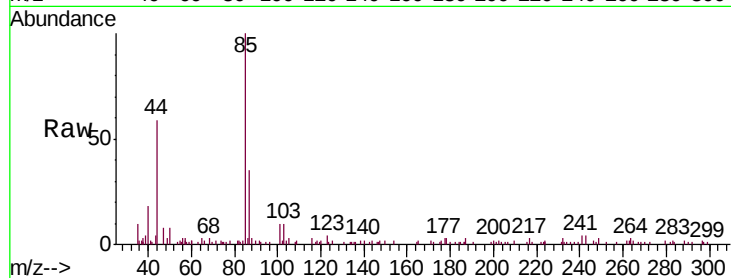
Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 85 Resp: 16802

Ion Ratio Lower Upper

85 100

87 35.8 25.4 38.0



#3

Chloromethane

Concen: 0.357 ug/L

RT: 2.06 min Scan# 63

Delta R.T. -0.01 min

Lab File: VR026655.D

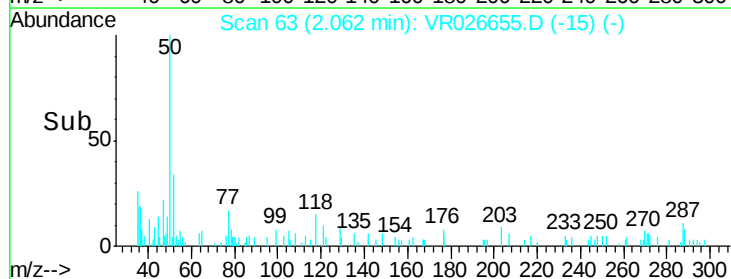
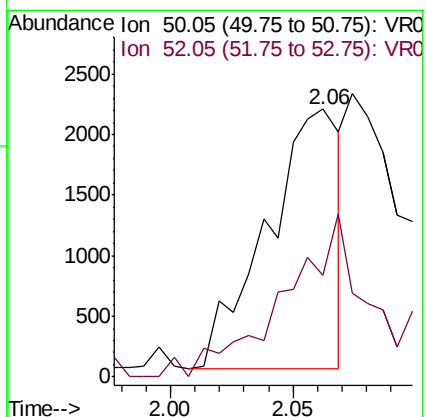
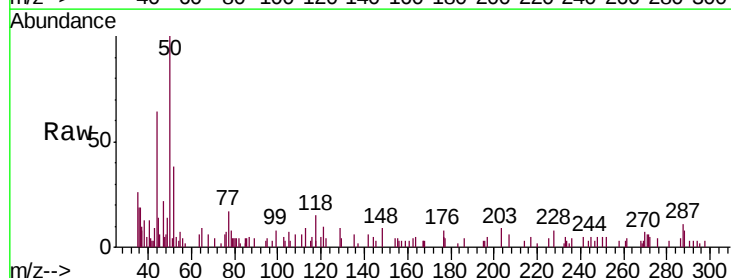
Acq: 10 Oct 2019 17:51

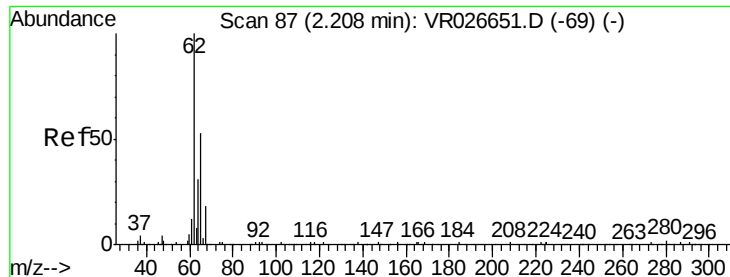
Tgt Ion: 50 Resp: 4434

Ion Ratio Lower Upper

50 100

52 38.2 24.1 44.7





#5

Vinyl chloride

Concen: 0.664 ug/L

RT: 2.20 min Scan# 85

Delta R.T. -0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

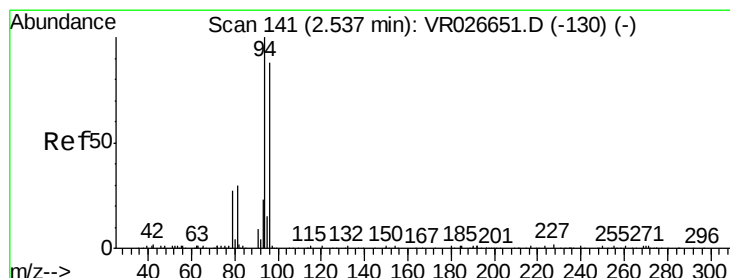
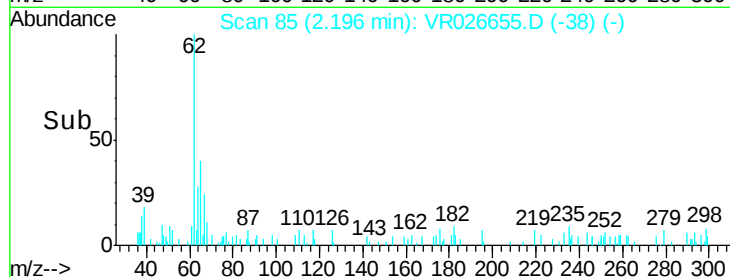
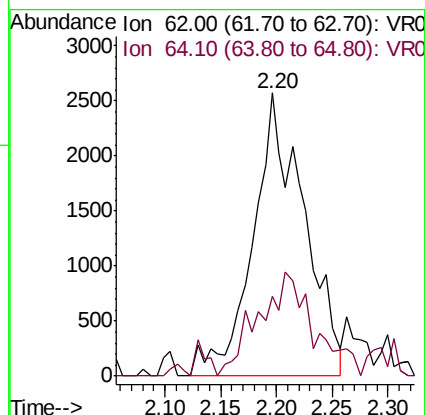
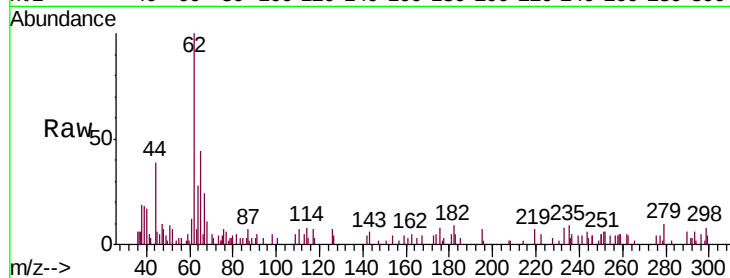
Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 62 Resp: 8216

Ion Ratio Lower Upper

62 100

64 28.2 21.5 39.9



#6

Bromomethane

Concen: 0.673 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026655.D

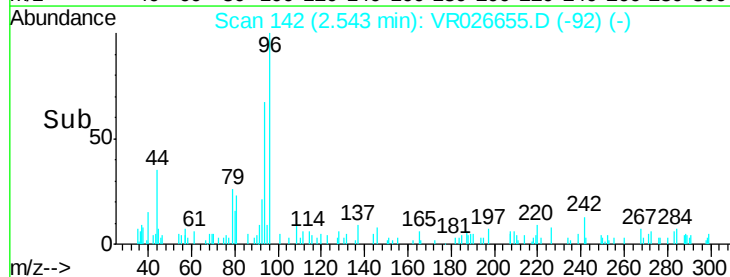
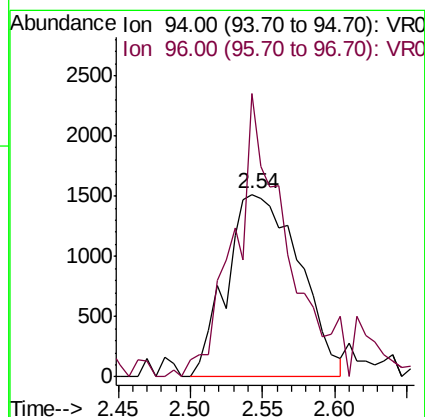
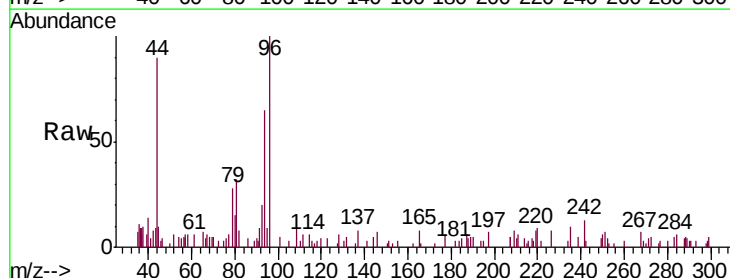
Acq: 10 Oct 2019 17:51

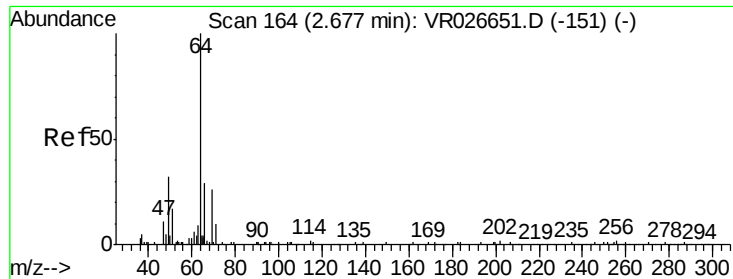
Tgt Ion: 94 Resp: 5354

Ion Ratio Lower Upper

94 100

96 155.0 61.8 114.8#





#8

Chloroethane

Concen: 0.697 ug/L

RT: 2.68 min Scan# 164

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

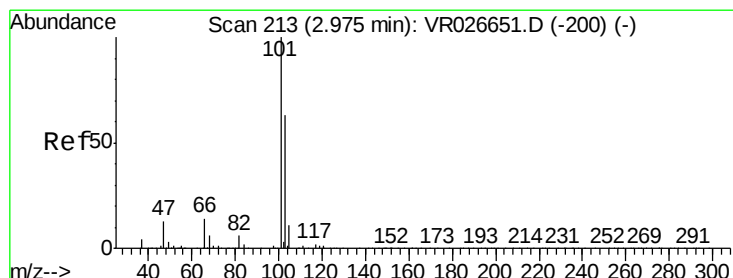
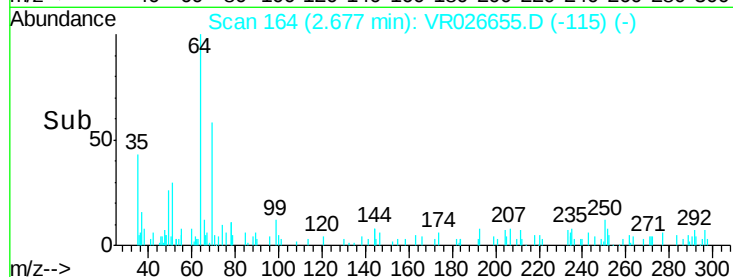
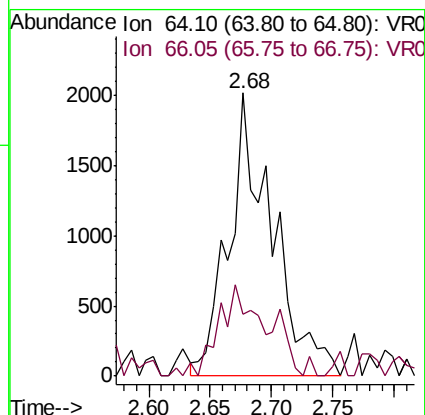
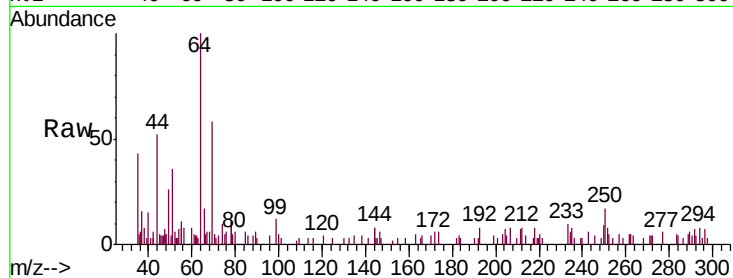
ClientSampleId :

Tgt Ion: 64 Resp: 4951

Ion Ratio Lower Upper

64 100

66 22.1 19.7 36.5



#9

Trichlorofluoromethane

Concen: 0.745 ug/L

RT: 2.99 min Scan# 216

Delta R.T. 0.02 min

Lab File: VR026655.D

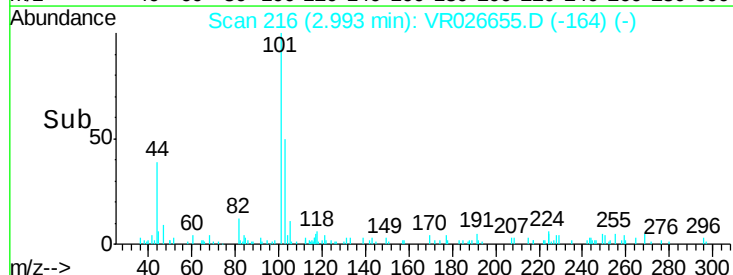
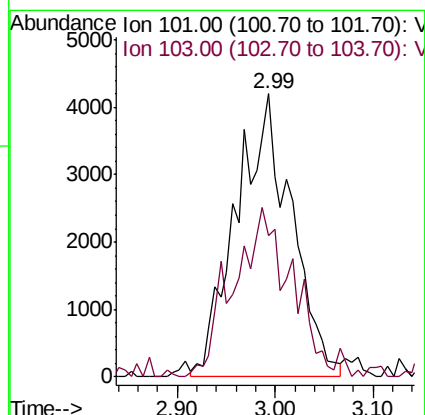
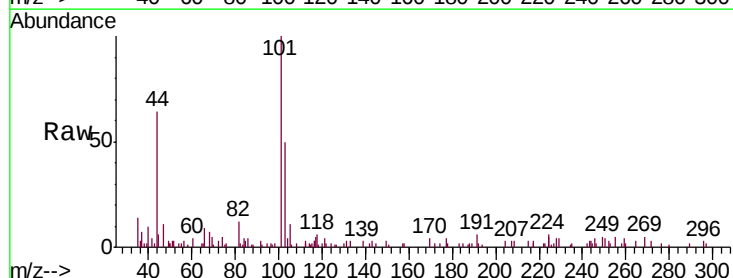
Acq: 10 Oct 2019 17:51

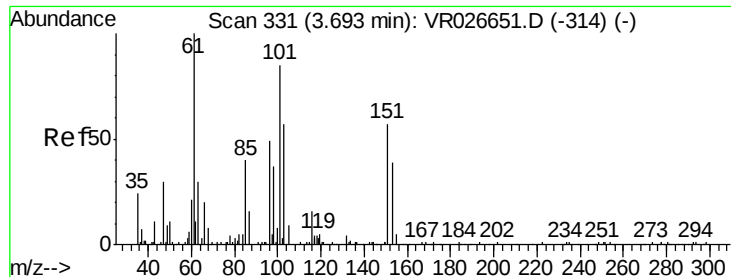
Tgt Ion: 101 Resp: 16383

Ion Ratio Lower Upper

101 100

103 50.4 50.9 76.3#





#10

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

Concen: 0.409 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

ClientSampled :

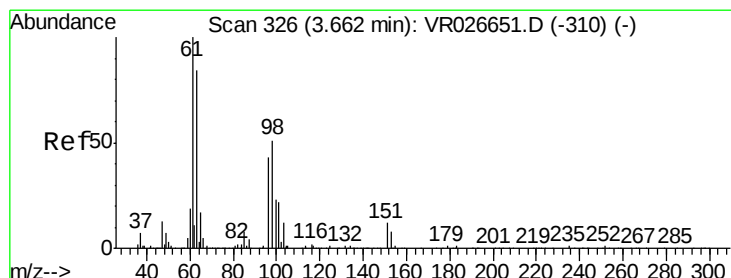
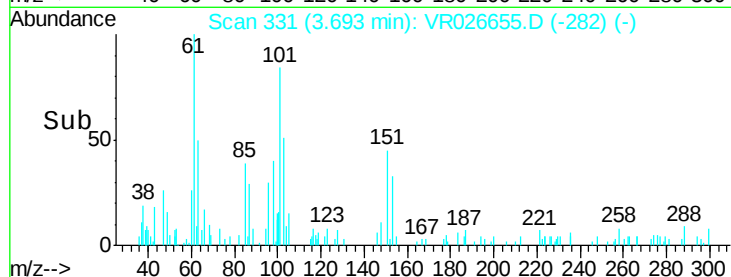
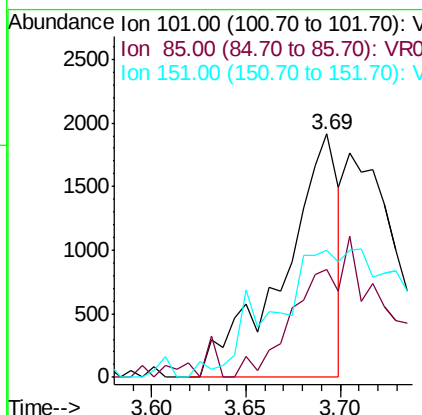
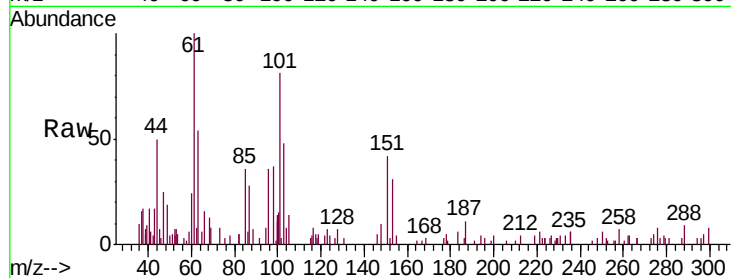
Tgt Ion:101 Resp: 3877

Ion Ratio Lower Upper

101 100

85 39.4 39.8 59.8#

151 16.8 56.5 84.7#



#12

1,1-Dichloroethene

Concen: 0.721 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

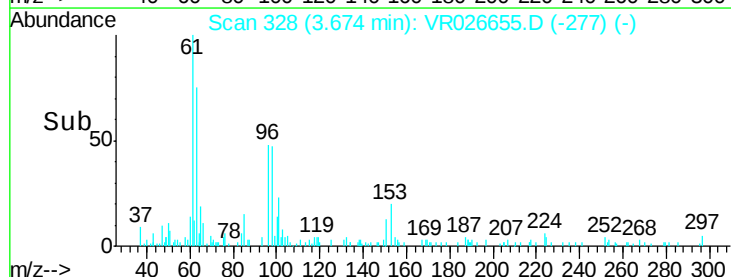
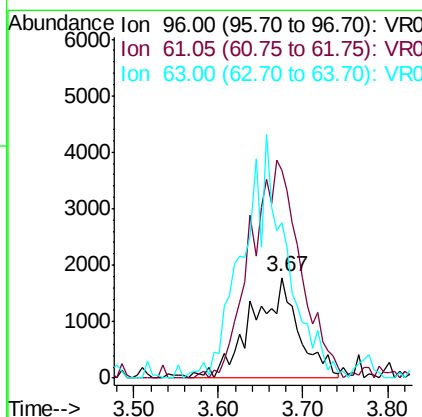
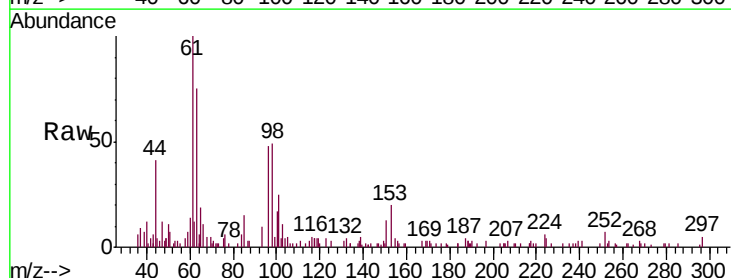
Tgt Ion: 96 Resp: 6639

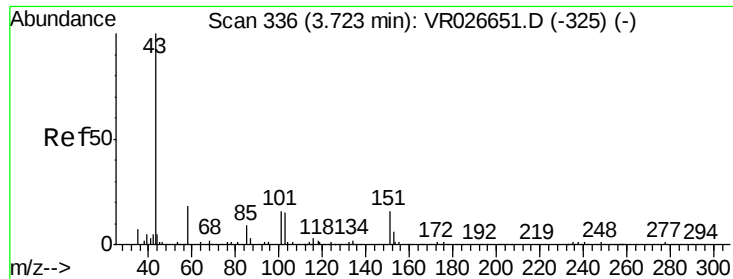
Ion Ratio Lower Upper

96 100

61 206.5 164.2 305.0

63 154.2 137.6 255.6





#13

Acetone

Concen: 6.871 ug/L

RT: 3.74 min Scan# 338

Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

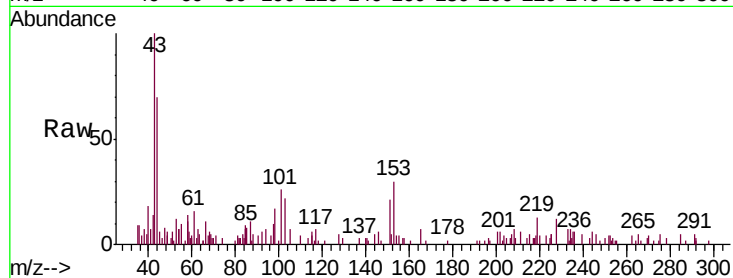
ClientSampleId :

Tgt Ion: 43 Resp: 6361

Ion Ratio Lower Upper

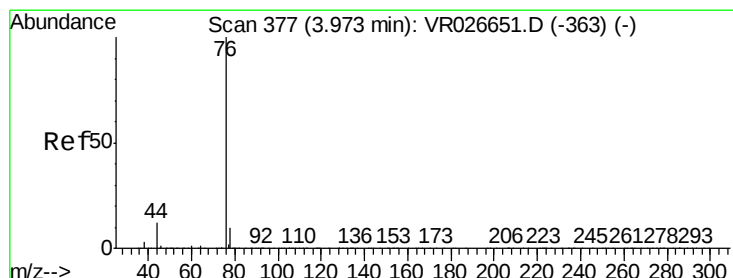
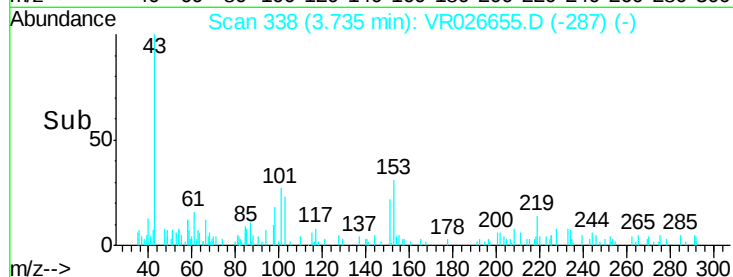
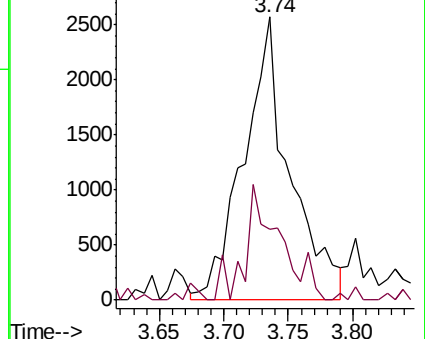
43 100

58 29.0 0.0 39.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.877 ug/L

RT: 3.98 min Scan# 378

Delta R.T. 0.01 min

Lab File: VR026655.D

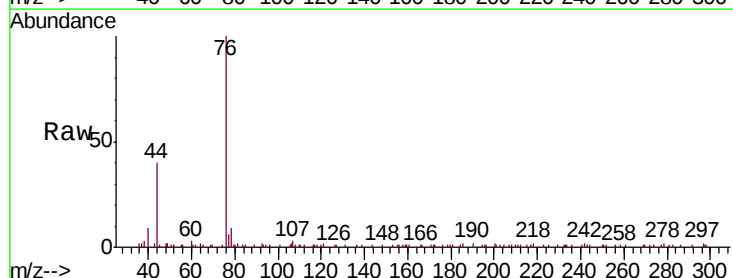
Acq: 10 Oct 2019 17:51

Tgt Ion: 76 Resp: 39699

Ion Ratio Lower Upper

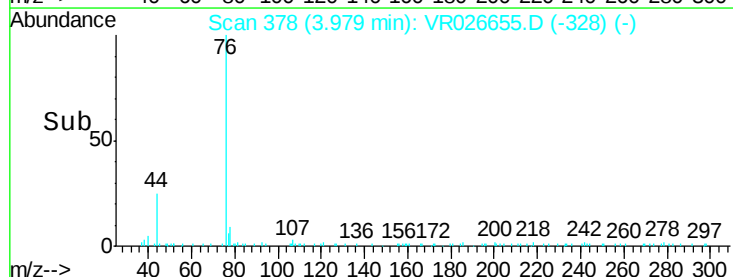
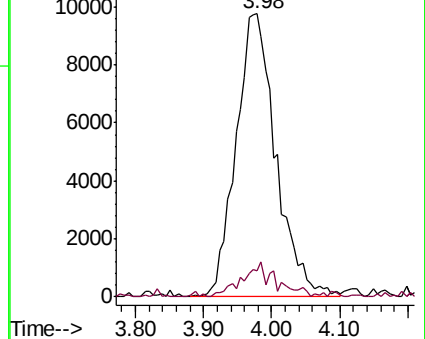
76 100

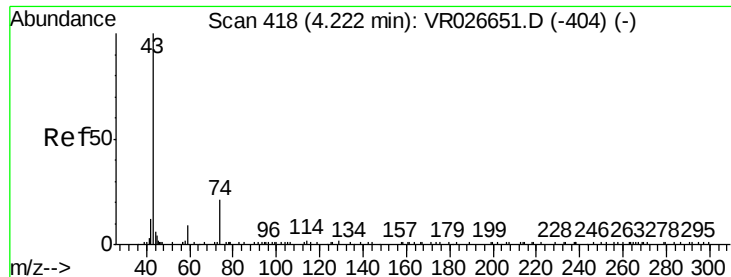
78 9.2 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

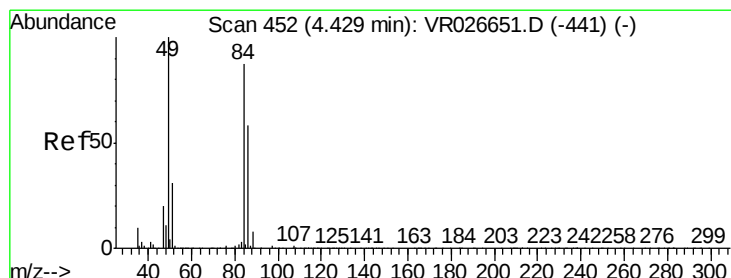
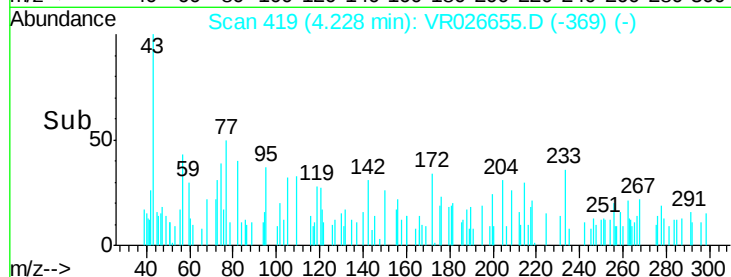
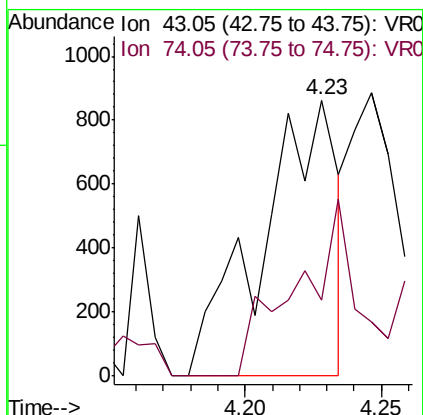
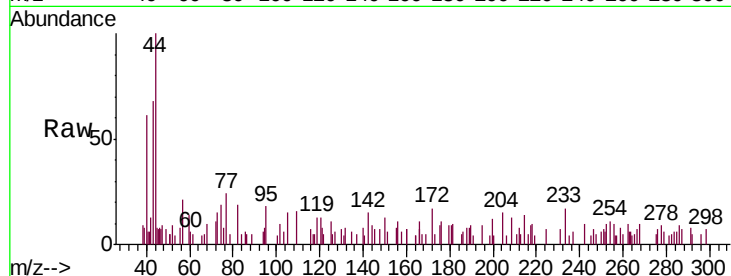




#15
Methyl Acetate
Concen: 0.431 ug/L
RT: 4.23 min Scan# 419
Delta R.T. 0.01 min
Lab File: VR026655.D
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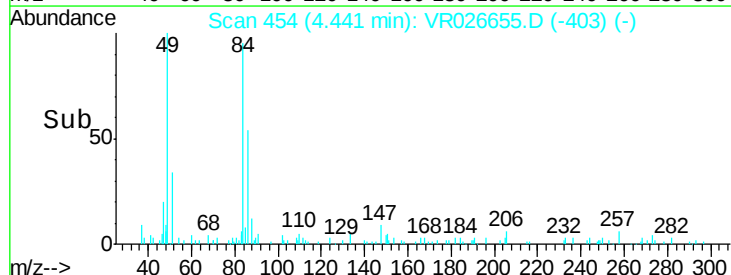
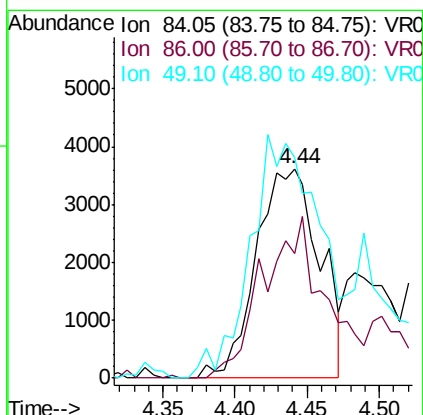
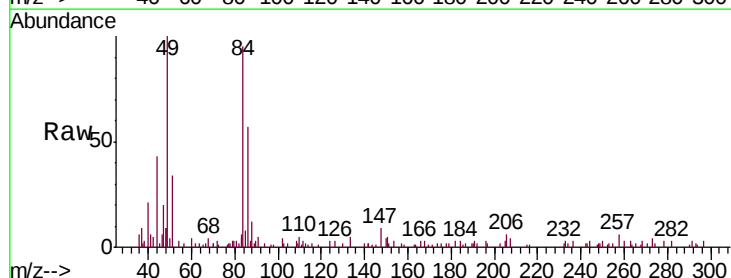
Instrument :
MSVOA_R
ClientSampled :

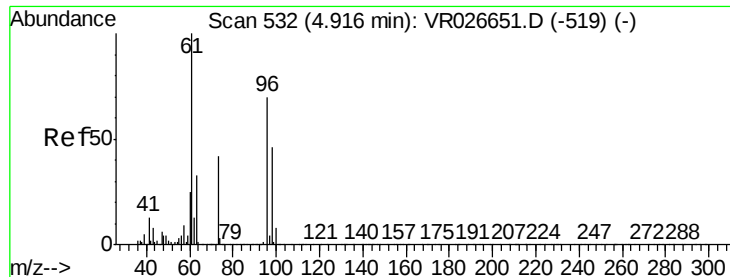
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
74 58.8 20.1 30.1#



#16
Methylene chloride
Concen: 0.575 ug/L
RT: 4.44 min Scan# 454
Delta R.T. 0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion: 84 Resp: 11057
Ion Ratio Lower Upper
84 100
86 59.7 46.4 86.2
49 105.2 80.8 150.0





#18

trans-1,2-Dichloroethene

Concen: 0.593 ug/L

RT: 4.92 min Scan# 533

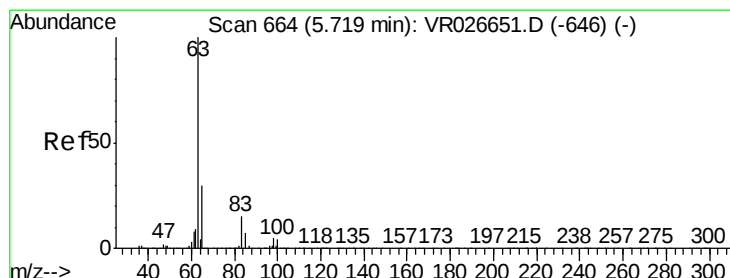
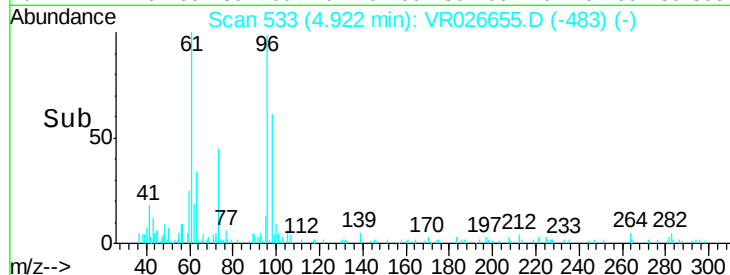
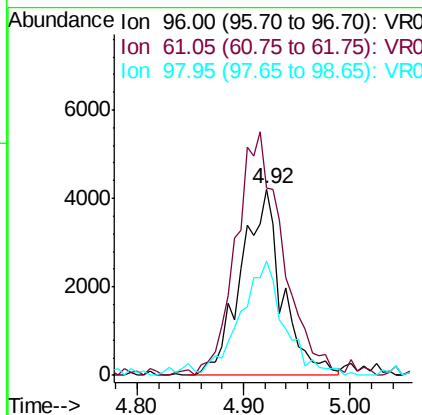
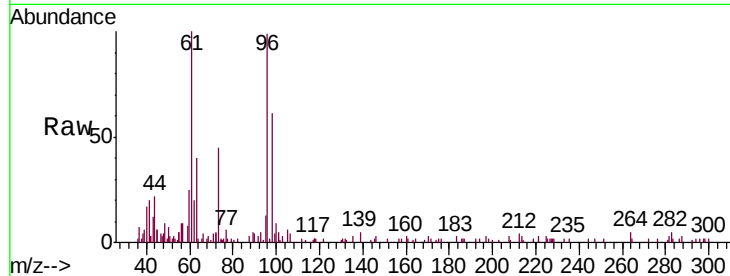
Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion:	96	Resp:	11352
Ion	Ratio	Lower	Upper
96	100		
61	100.8	99.8	185.4
98	61.3	45.7	84.9



#19

1,1-Dichloroethane

Concen: 0.543 ug/L

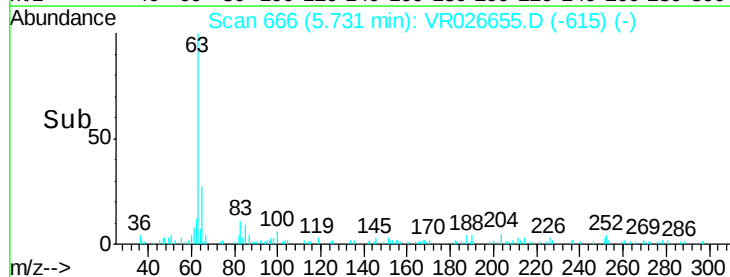
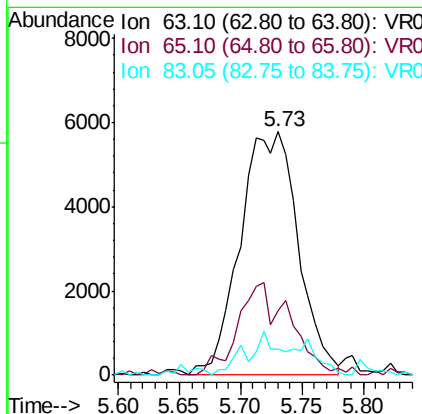
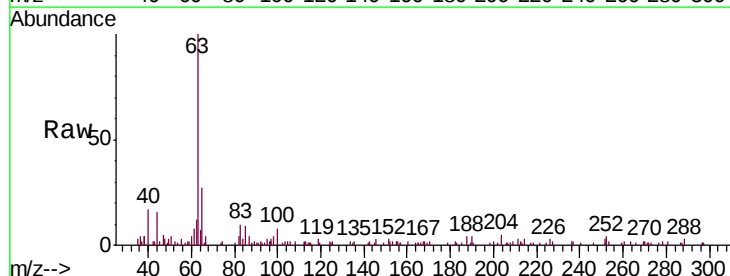
RT: 5.73 min Scan# 666

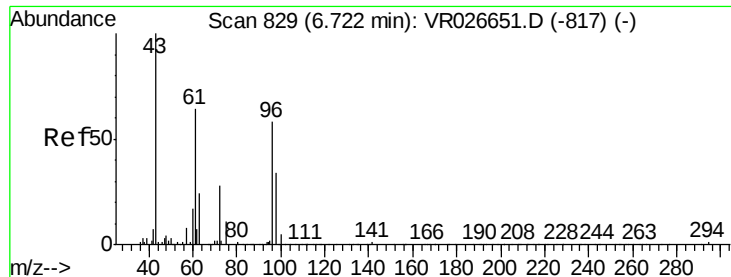
Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Tgt Ion:	63	Resp:	18992
Ion	Ratio	Lower	Upper
63	100		
65	26.7	21.0	39.0
83	10.5	10.6	19.6#





#21

2-Butanone

Concen: 4.582 ug/L

RT: 6.73 min Scan# 831

Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

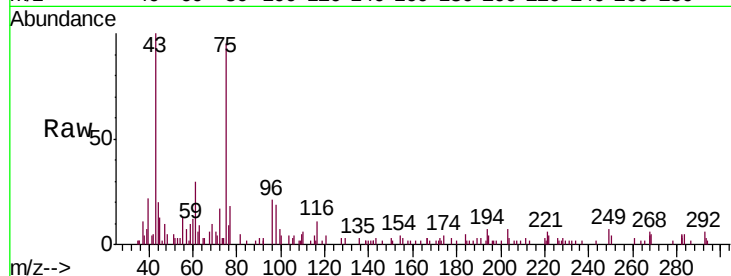
Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 43 Resp: 7551

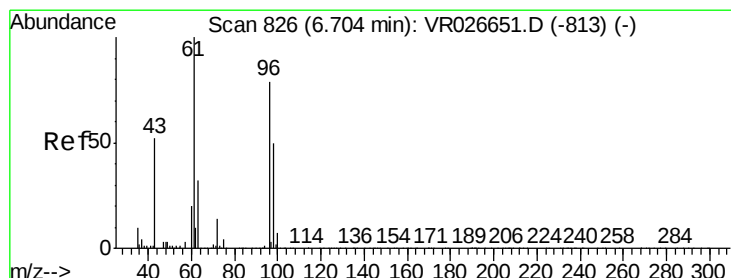
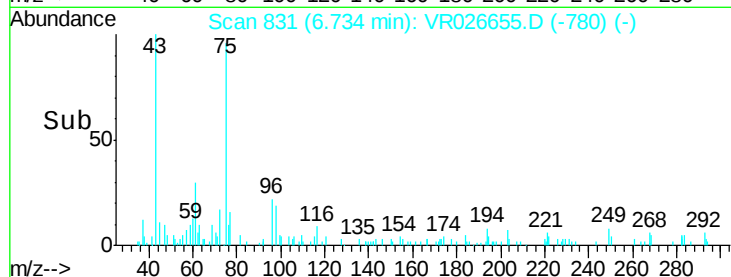
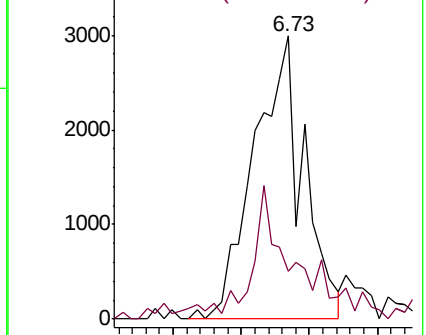
Ion Ratio Lower Upper

43 100

72 29.4 14.4 43.2



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: 0.567 ug/L

RT: 6.71 min Scan# 827

Delta R.T. 0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

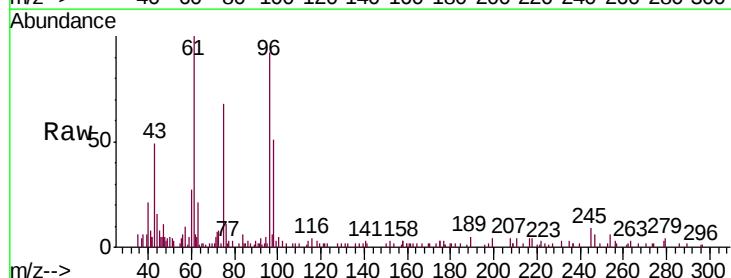
Tgt Ion: 96 Resp: 10289

Ion Ratio Lower Upper

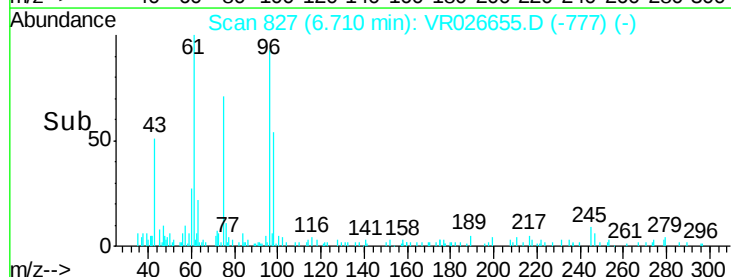
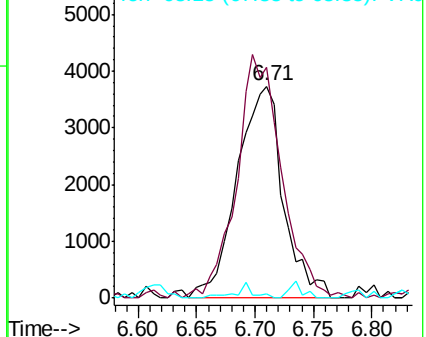
96 100

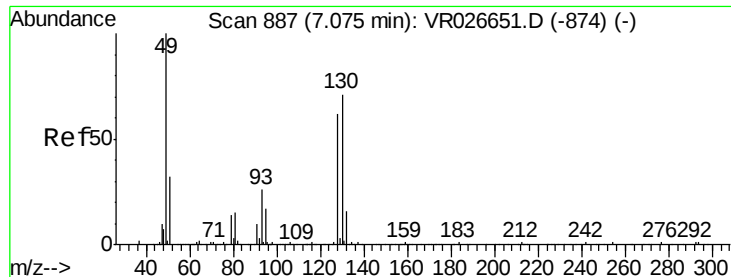
61 109.1 88.8 164.8

68 2.3 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 0.609 ug/L

RT: 7.08 min Scan# 887

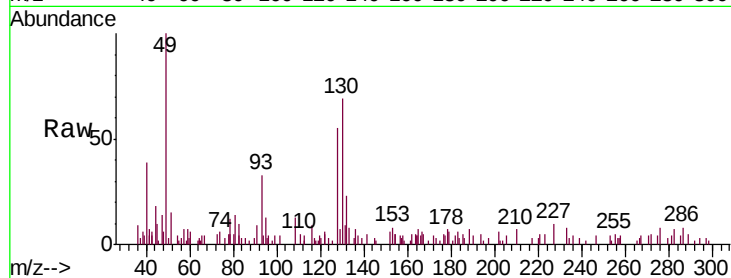
Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion:	128	Resp:	3123
Ion	Ratio	Lower	Upper
128	100		
49	183.1	116.1	215.7
130	125.5	80.3	149.1
51	26.6	41.4	62.2#

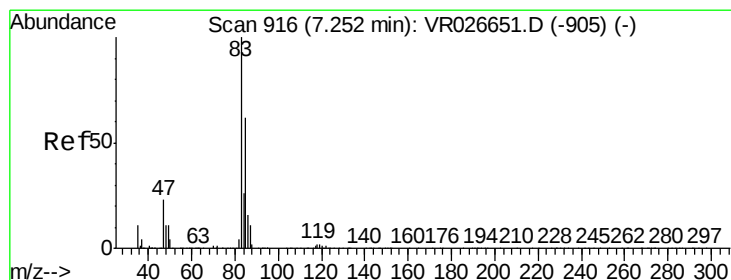
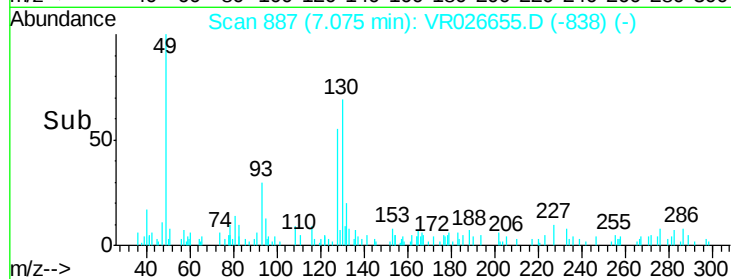
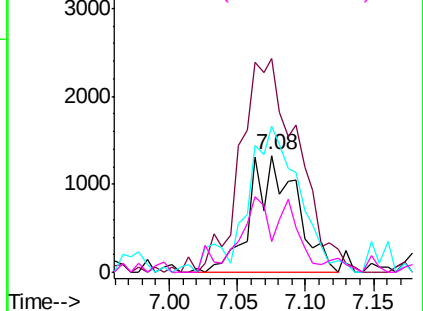


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 0.669 ug/L

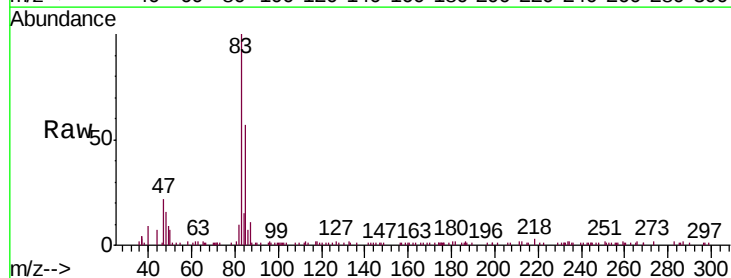
RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026655.D

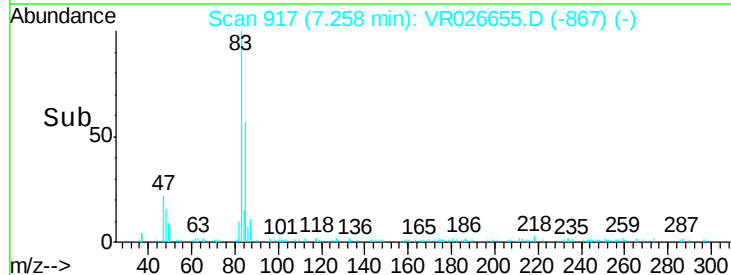
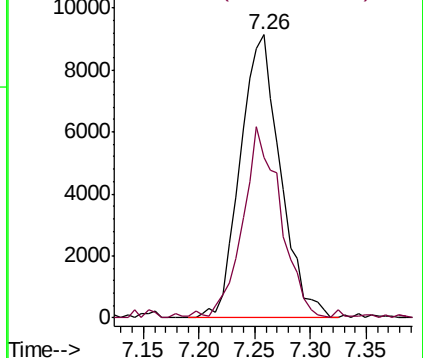
Acq: 10 Oct 2019 17:51

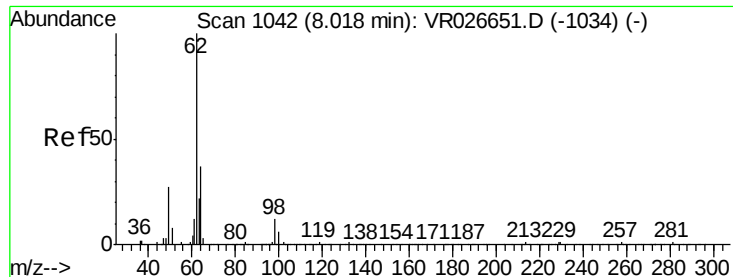
Tgt Ion:	83	Resp:	22794
Ion	Ratio	Lower	Upper
83	100		
85	56.6	43.3	80.5



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0





#27

1,2-Dichloroethane

Concen: 0.592 ug/L

RT: 8.02 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

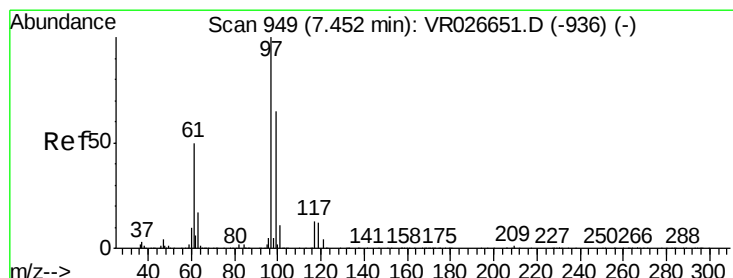
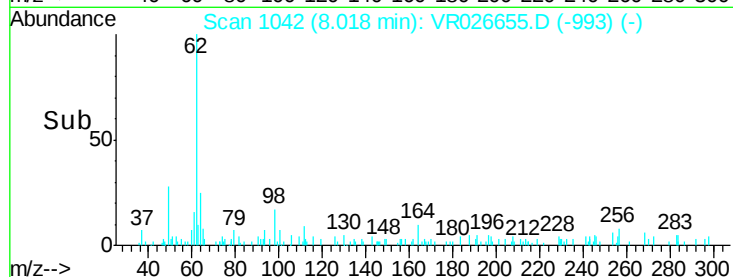
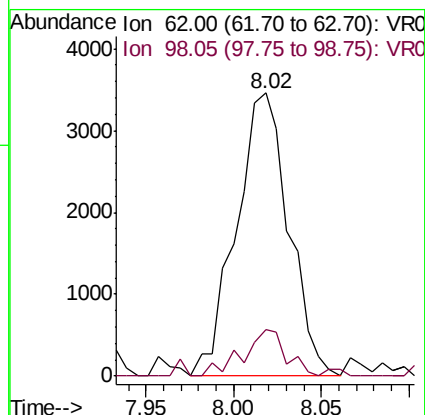
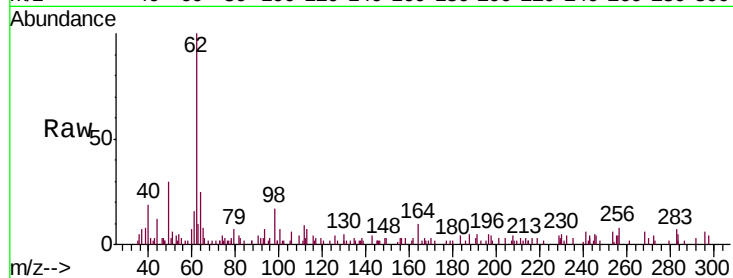
Instrument :
MSVOA_R
ClientSampled :

Tgt Ion: 62 Resp: 7210

Ion Ratio Lower Upper

62 100

98 16.6 9.6 14.4#



#29

1,1,1-Trichloroethane

Concen: 0.554 ug/L

RT: 7.45 min Scan# 948

Delta R.T. -0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

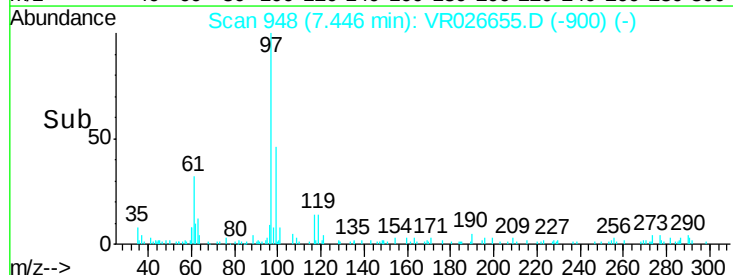
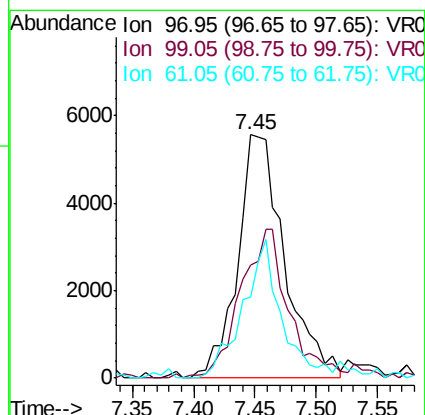
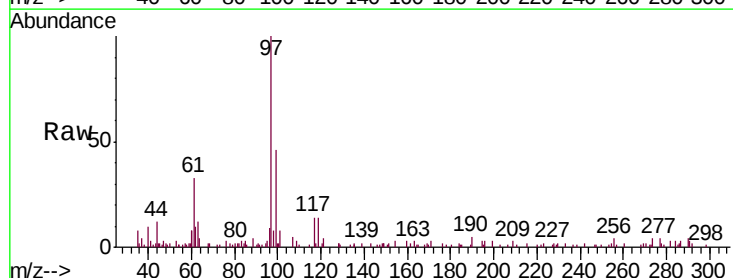
Tgt Ion: 97 Resp: 14845

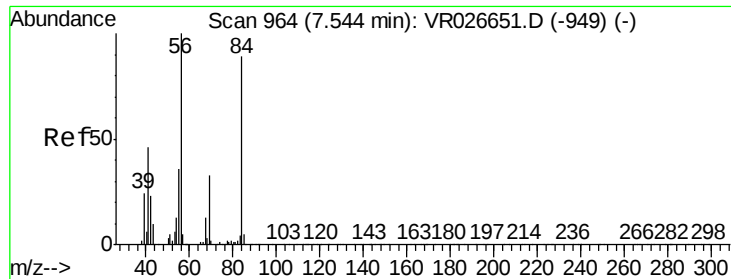
Ion Ratio Lower Upper

97 100

99 62.2 52.8 79.2

61 45.3 38.8 58.2

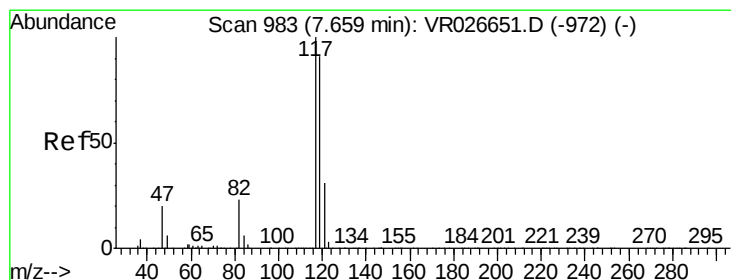
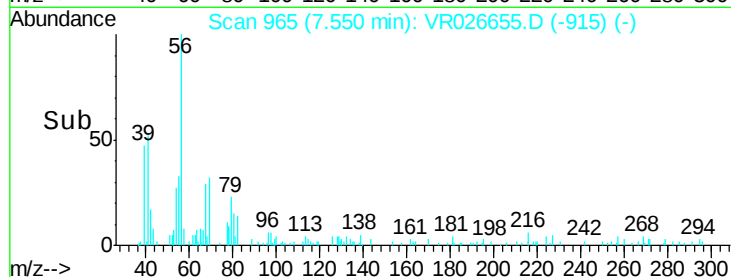
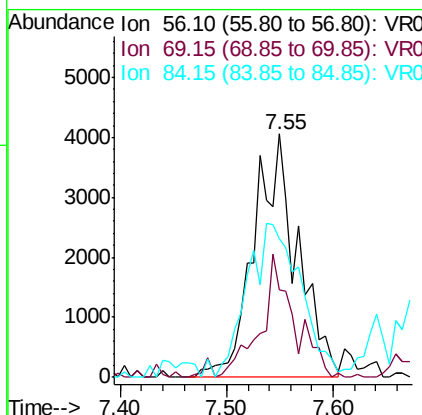
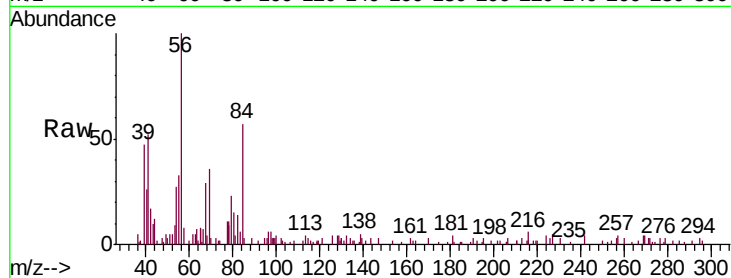




#30
Cyclohexane
Concen: 0.394 ug/L
RT: 7.55 min Scan# 965
Delta R.T. 0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

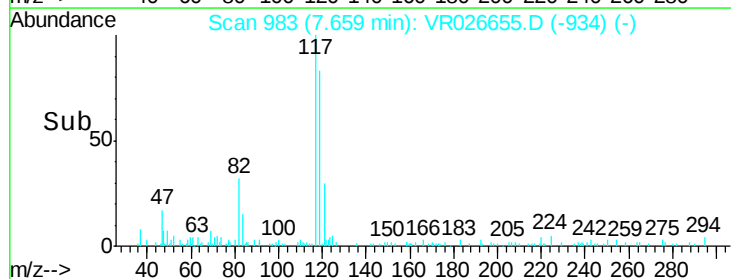
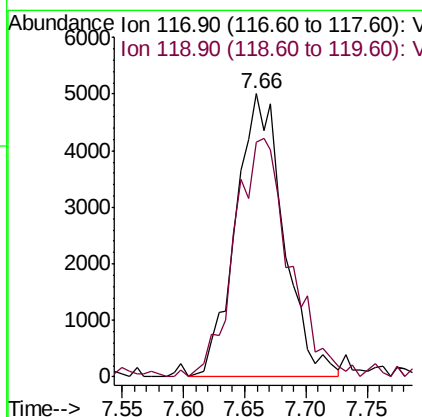
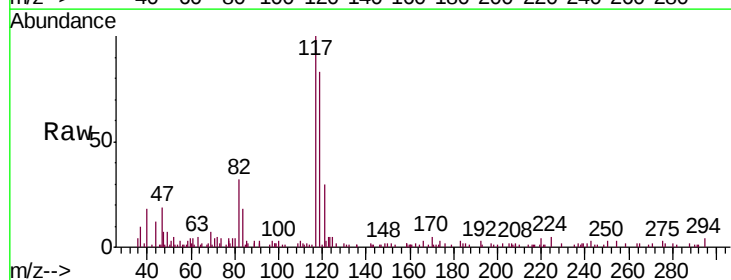
Instrument :
MSVOA_R
ClientSampleId :

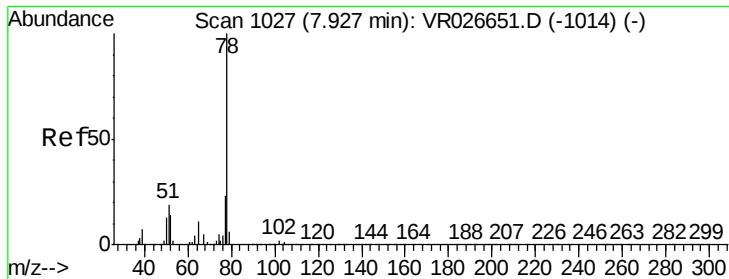
Tgt Ion: 56 Resp: 11510
Ion Ratio Lower Upper
56 100
69 32.0 25.9 38.9
84 77.5 66.2 99.4



#31
Carbon tetrachloride
Concen: 0.586 ug/L
RT: 7.66 min Scan# 983
Delta R.T. -0.00 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion: 117 Resp: 13605
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8





#33

Benzene

Concen: 0.497 ug/L

RT: 7.93 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VR026655.D

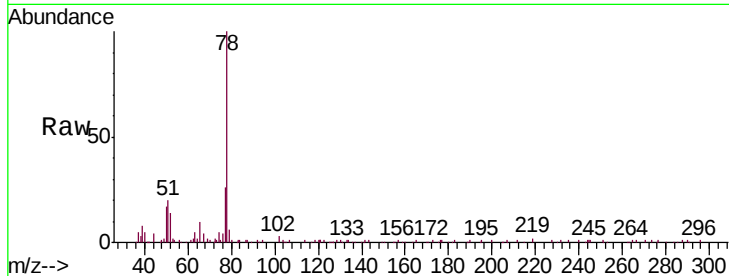
Acq: 10 Oct 2019 17:51

Instrument :

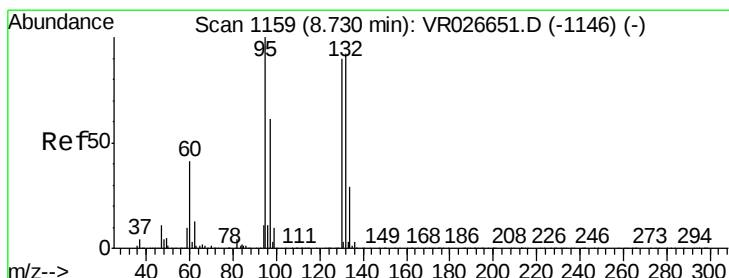
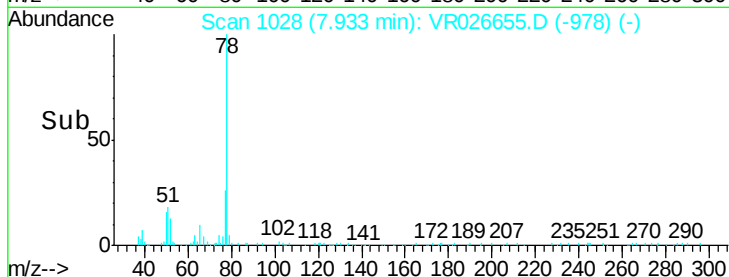
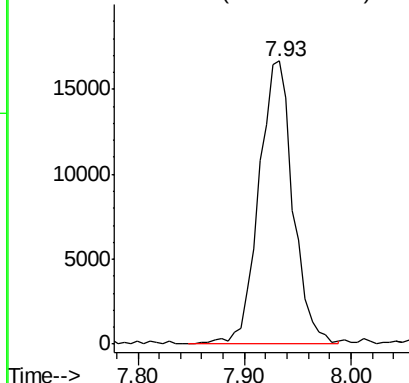
MSVOA_R

ClientSampled :

Tgt Ion: 78 Resp: 37373



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.591 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Tgt Ion: 95 Resp: 11044

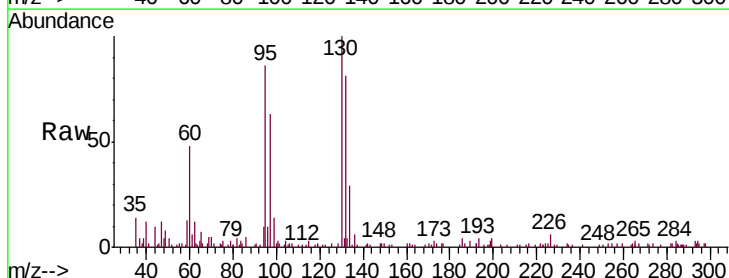
Ion Ratio Lower Upper

95 100

97 73.2 43.0 79.8

132 98.2 64.6 120.0

130 116.3 63.2 117.4

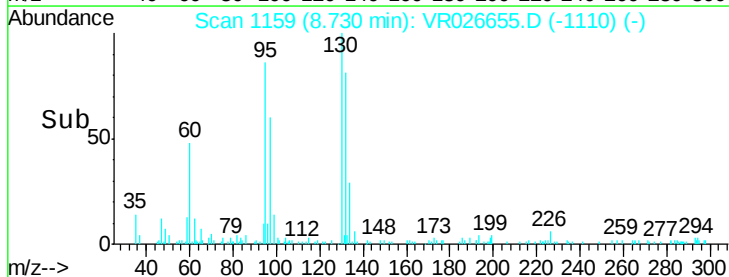
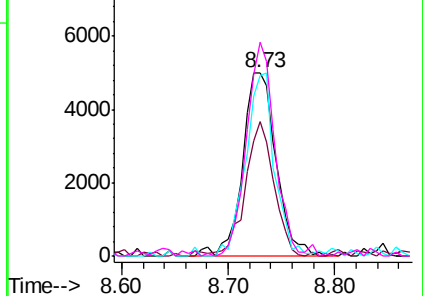


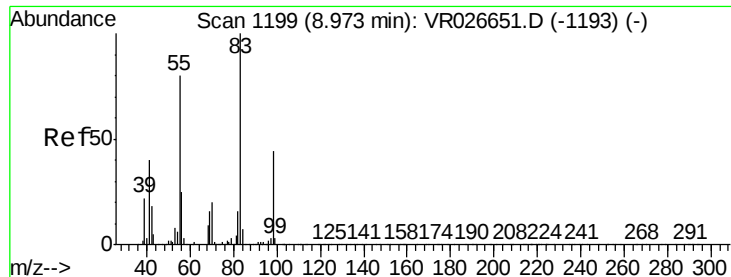
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0

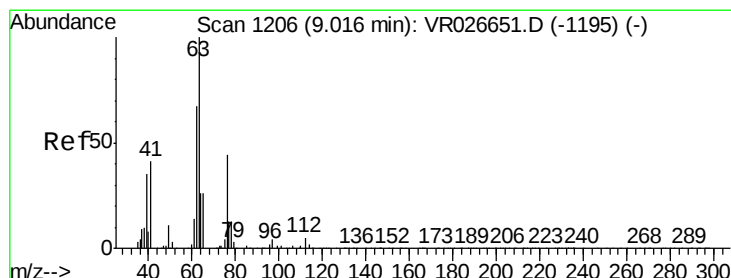
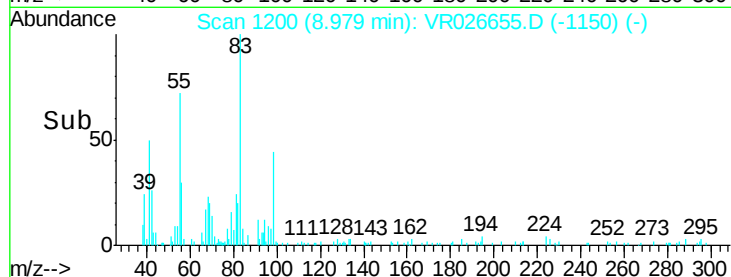
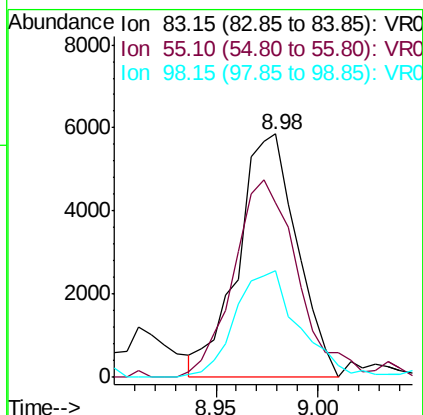
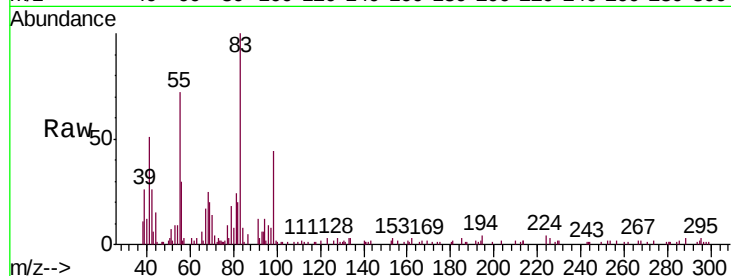




#35
Methylcyclohexane
Concen: 0.409 ug/L
RT: 8.98 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

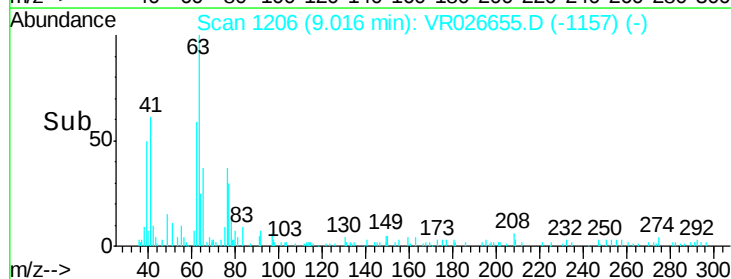
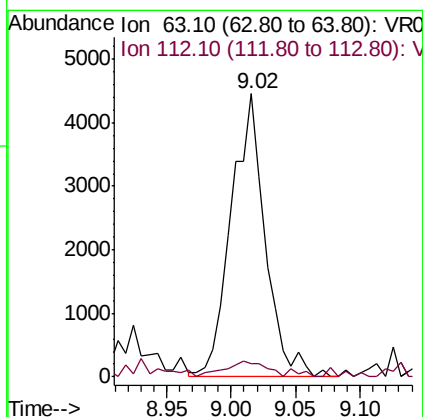
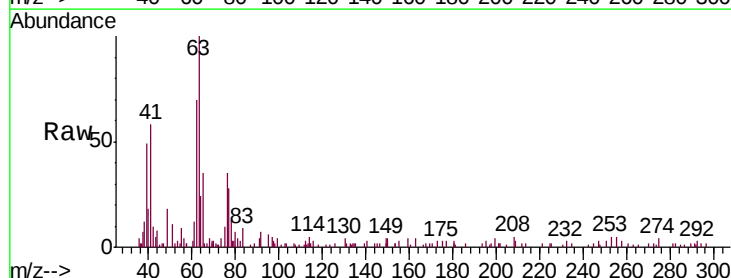
Instrument :
MSVOA_R
ClientSampleId :

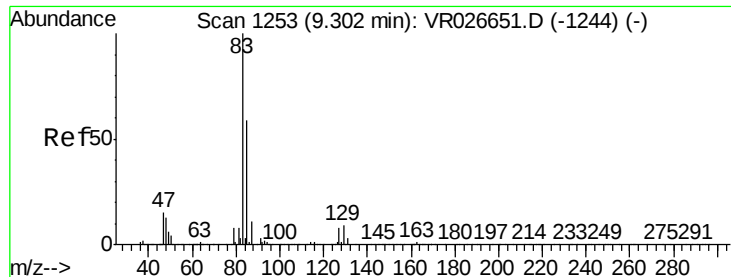
Tgt Ion: 83 Resp: 11718
Ion Ratio Lower Upper
83 100
55 88.5 61.3 91.9
98 47.8 34.3 51.5



#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 9.02 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion: 63 Resp: 8184
Ion Ratio Lower Upper
63 100
112 6.6 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.596 ug/L

RT: 9.30 min Scan# 1252

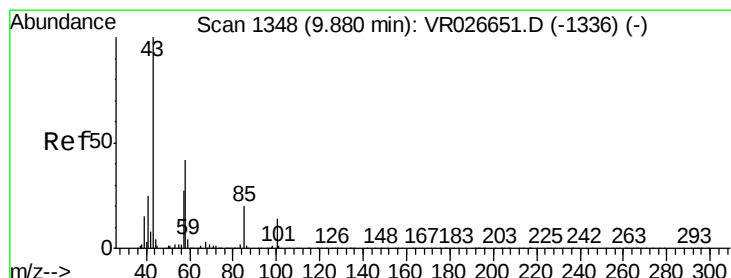
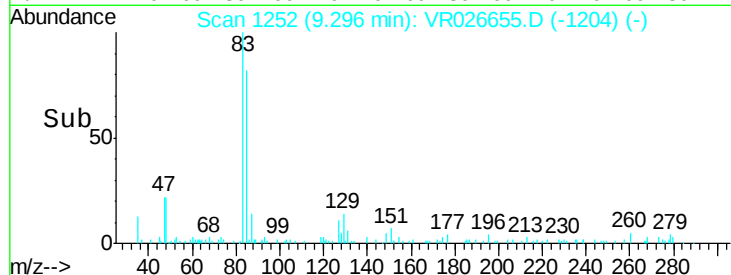
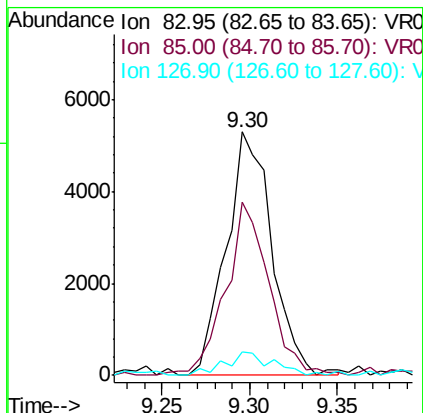
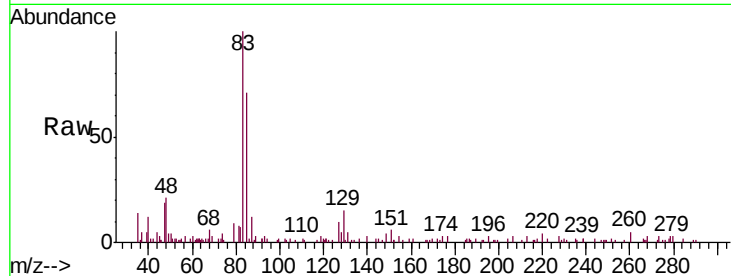
Delta R.T. -0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion:	83	Resp:	9640
Ion	Ratio	Lower	Upper
83	100		
85	71.2	41.3	76.7
127	9.6	6.8	10.2



#40

4-Methyl-2-pentanone

Concen: 3.979 ug/L

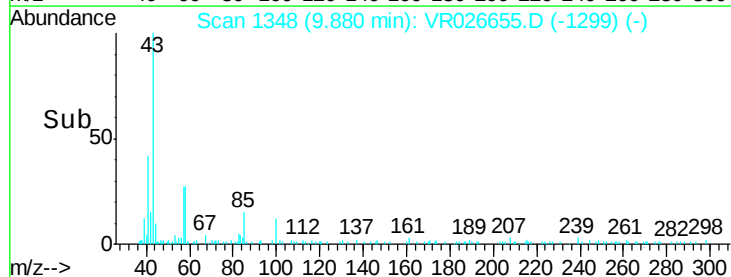
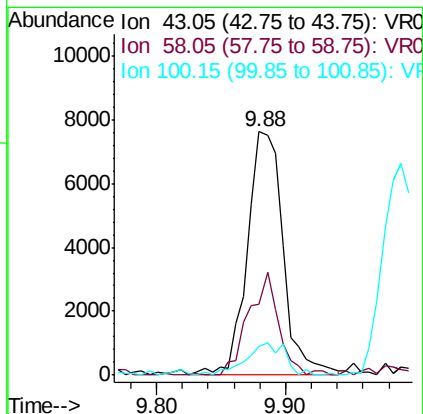
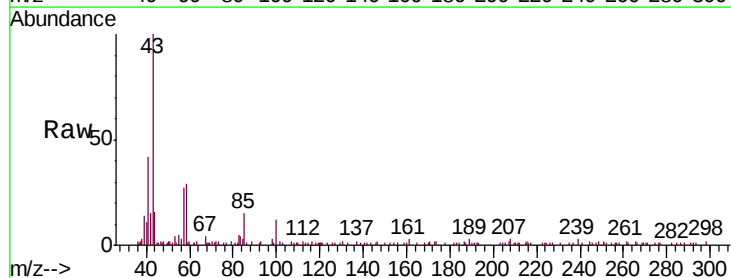
RT: 9.88 min Scan# 1348

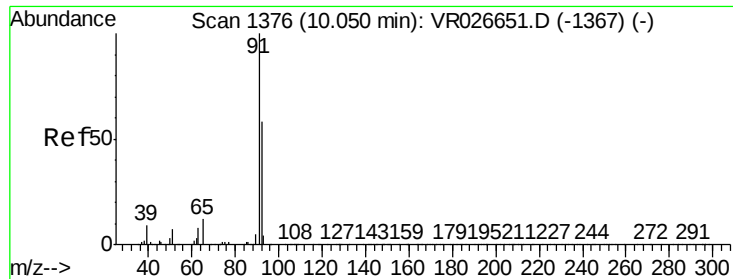
Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Tgt Ion:	43	Resp:	14623
Ion	Ratio	Lower	Upper
43	100		
58	35.4	32.4	48.6
100	14.6	12.9	19.3





#42

Toluene

Concen: 0.400 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

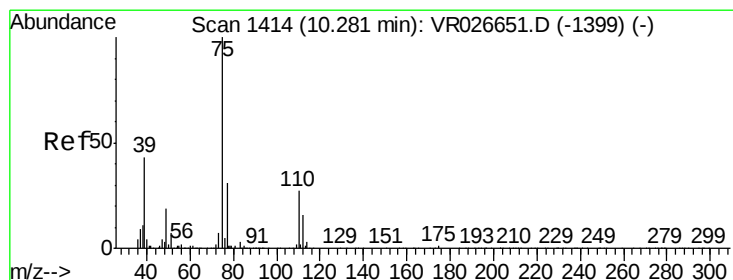
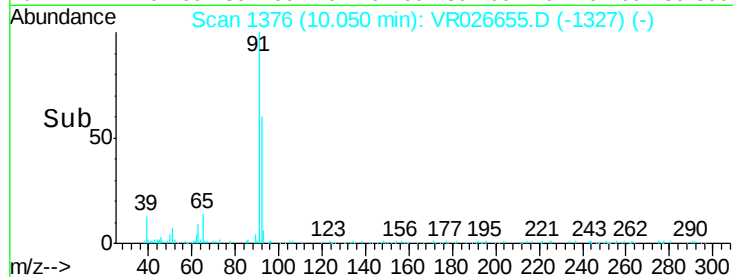
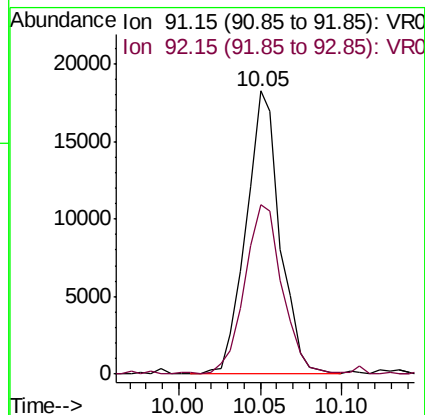
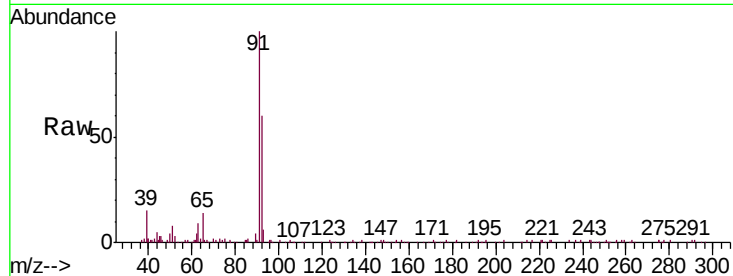
ClientSampleId :

Tgt Ion: 91 Resp: 26490

Ion Ratio Lower Upper

91 100

92 59.9 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.513 ug/L

RT: 10.28 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VR026655.D

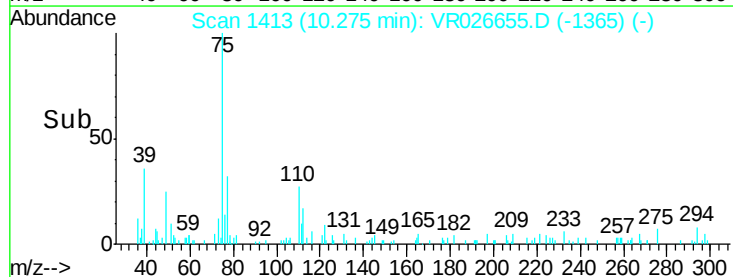
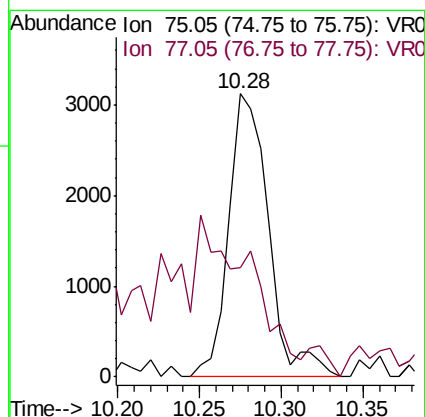
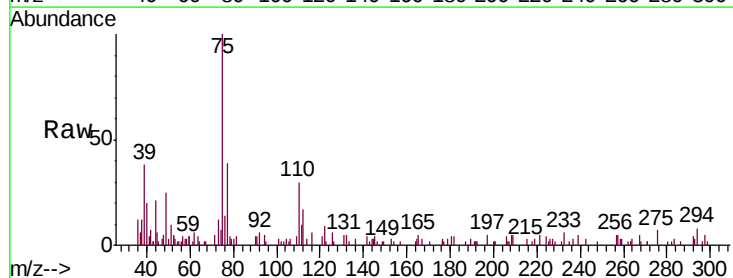
Acq: 10 Oct 2019 17:51

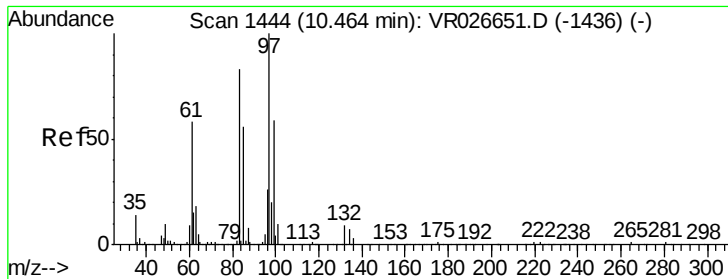
Tgt Ion: 75 Resp: 5317

Ion Ratio Lower Upper

75 100

77 38.6 24.2 45.0

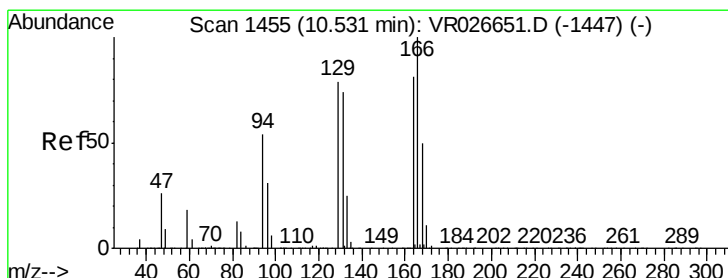
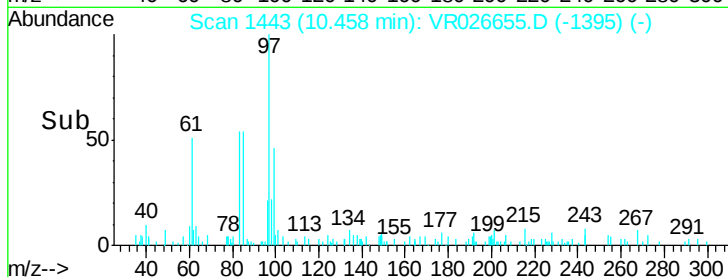
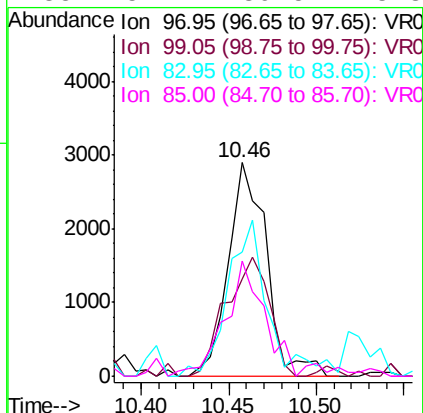
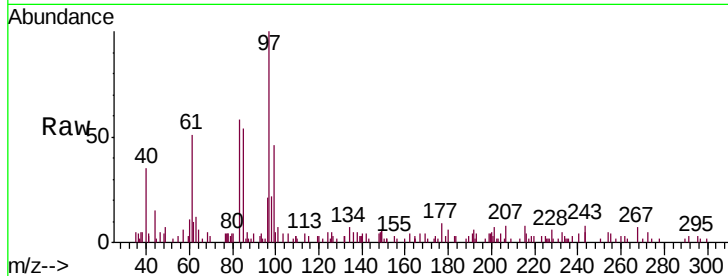




#45
 1,1,2-Trichloroethane
 Concen: 0.680 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

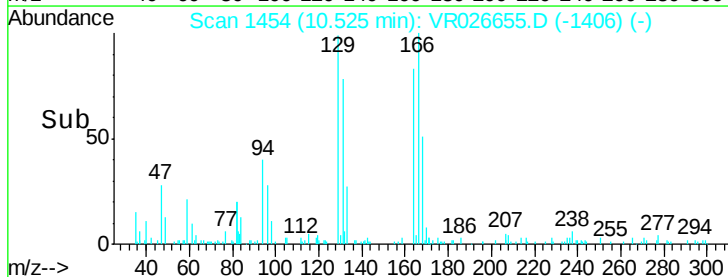
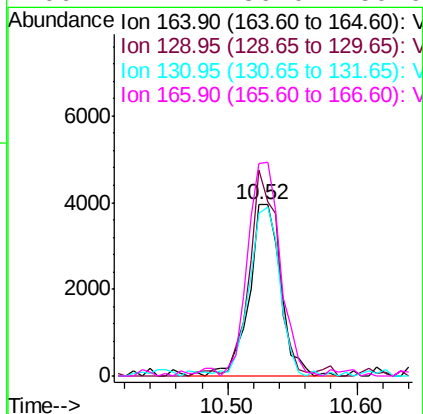
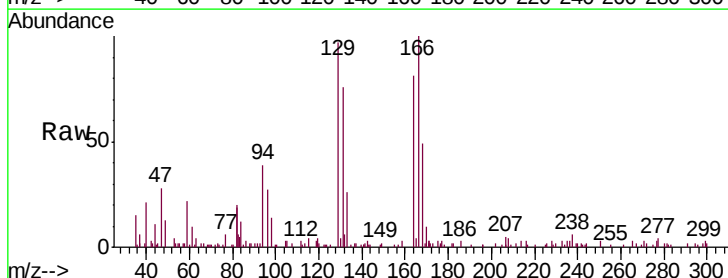
Instrument :
 MSVOA_R
 ClientSampleId :

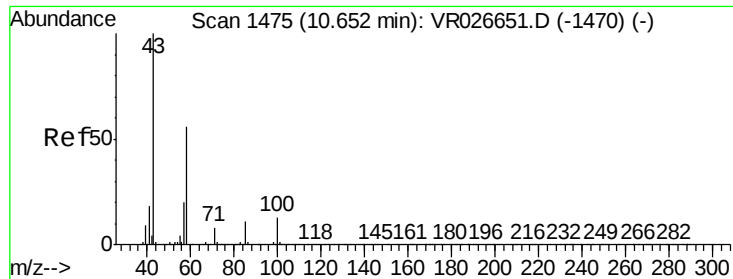
Tgt Ion:	97	Resp:	4396
Ion	Ratio	Lower	Upper
97	100		
99	45.8	41.3	76.7
83	58.3	58.2	108.2
85	54.1	39.5	73.3



#47
 Tetrachloroethene
 Concen: 0.588 ug/L
 RT: 10.52 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

Tgt Ion:	164	Resp:	6659
Ion	Ratio	Lower	Upper
164	100		
129	119.9	68.2	126.6
131	94.7	63.2	117.4
166	124.2	86.0	159.6

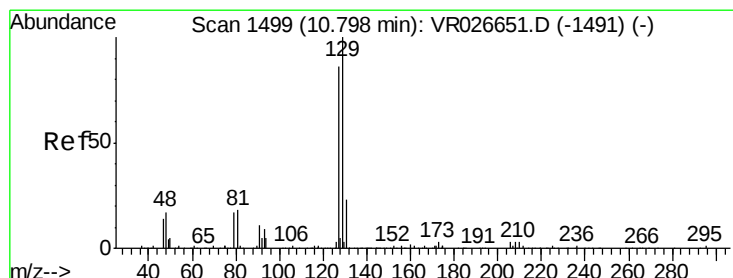
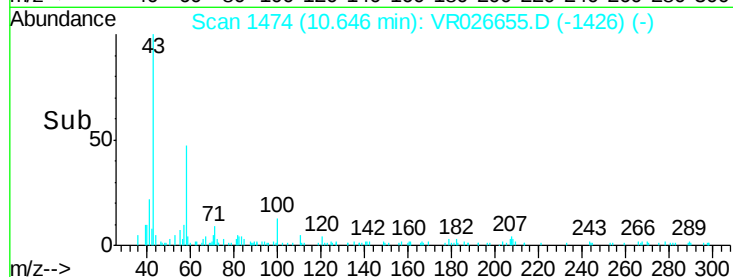
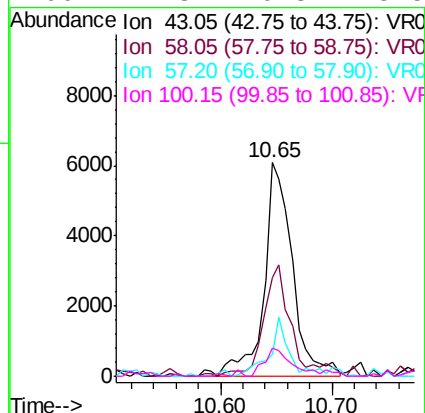
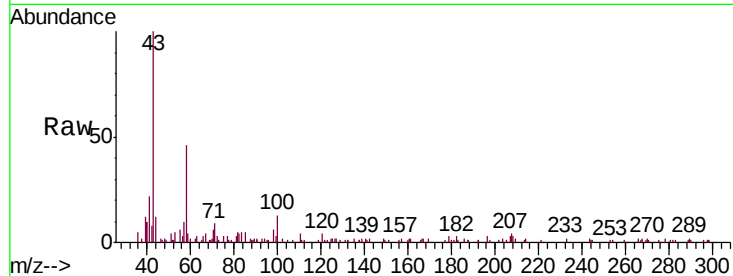




#48
2-Hexanone
Concen: 4.658 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

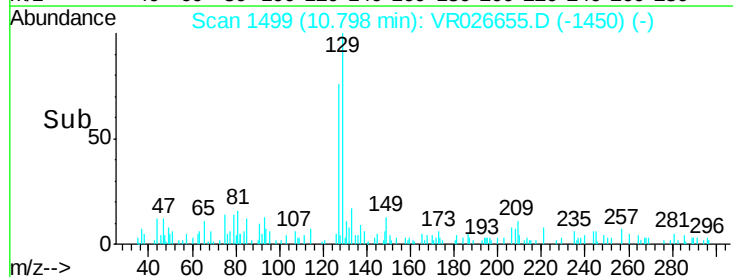
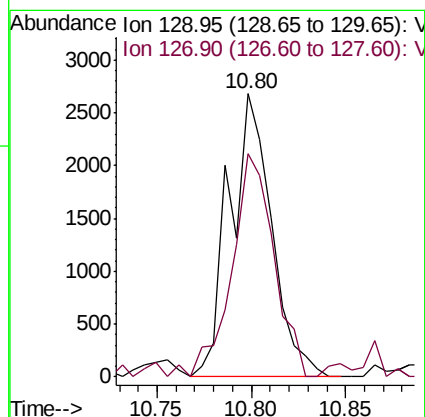
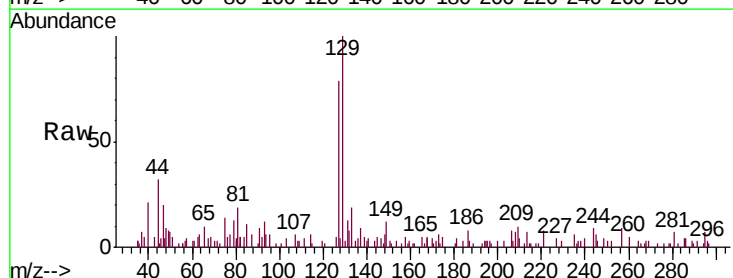
Instrument :
MSVOA_R
ClientSampleId :

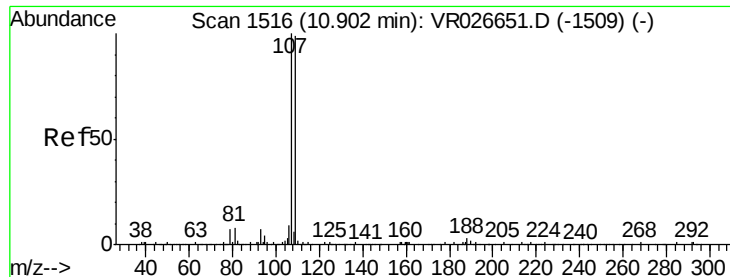
Tgt Ion:	43	Resp:	10926
Ion	Ratio	Lower	Upper
43	100		
58	50.8	47.0	70.4
57	19.5	16.8	25.2
100	12.3	10.3	15.5



#49
Dibromochloromethane
Concen: 0.591 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion:	129	Resp:	4168
Ion	Ratio	Lower	Upper
129	100		
127	78.8	60.2	111.8

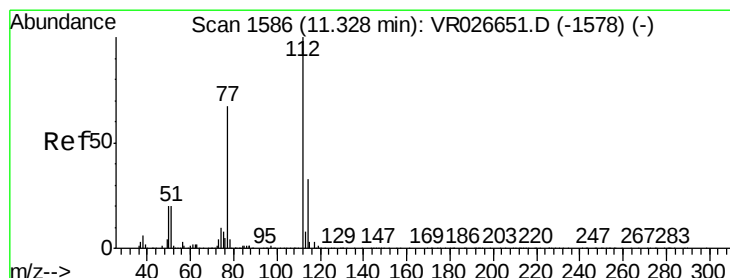
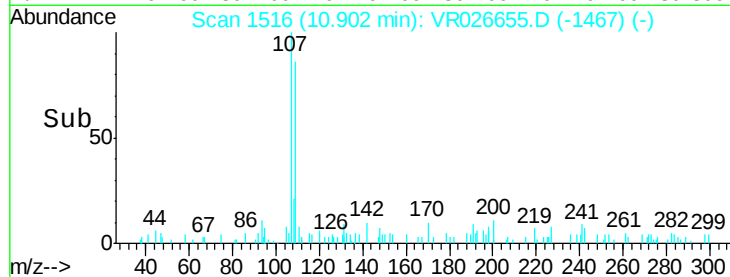
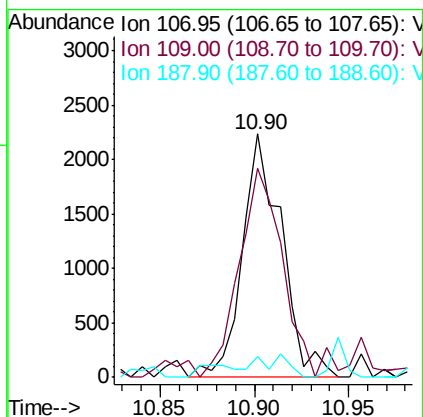
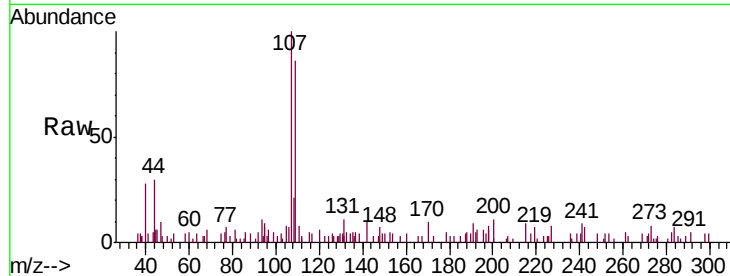




#50
1,2-Dibromoethane
Concen: 0.573 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

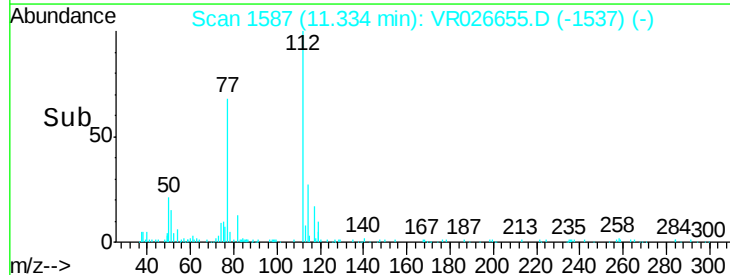
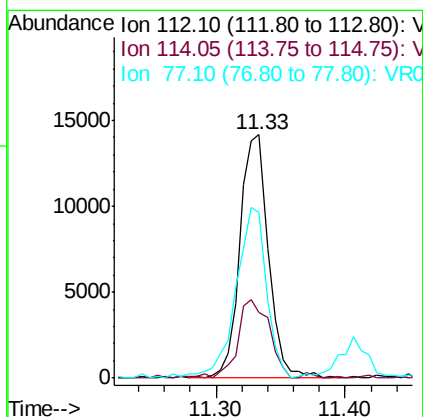
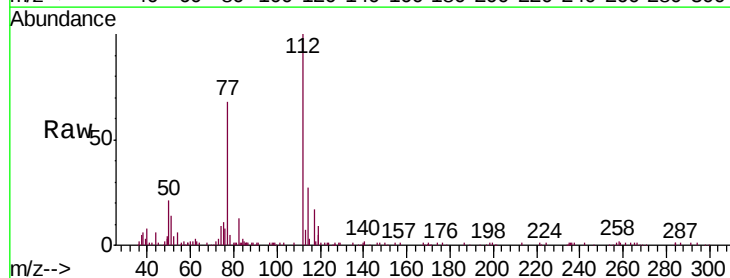
Instrument :
MSVOA_R
ClientSampleId :

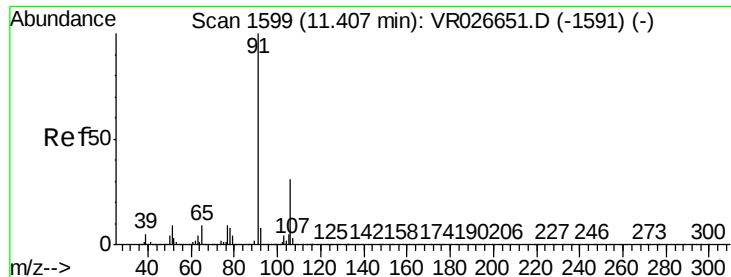
Tgt Ion:107 Resp: 3217
Ion Ratio Lower Upper
107 100
109 85.7 69.4 128.8
188 8.6 2.1 3.1#



#51
Chlorobenzene
Concen: 0.563 ug/L
RT: 11.33 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion:112 Resp: 21556
Ion Ratio Lower Upper
112 100
114 26.8 22.9 42.5
77 67.9 53.4 80.0





#52

Ethylbenzene

Concen: 0.418 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

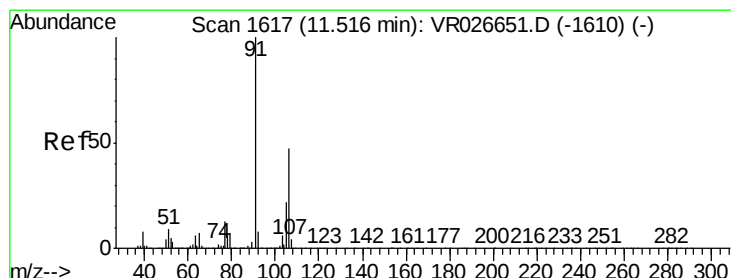
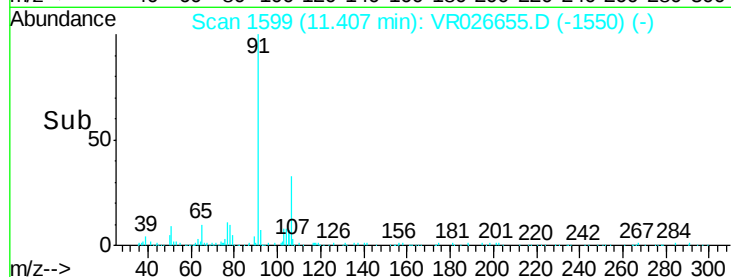
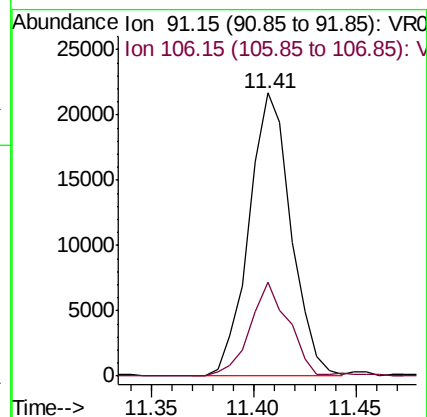
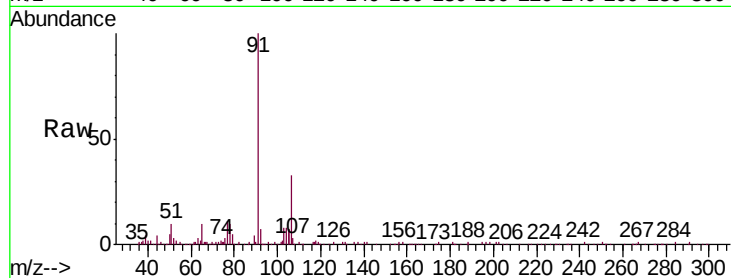
ClientSampled :

Tgt Ion: 91 Resp: 31144

Ion Ratio Lower Upper

91 100

106 33.3 21.6 40.2



#53

m,p-Xylene

Concen: 0.428 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026655.D

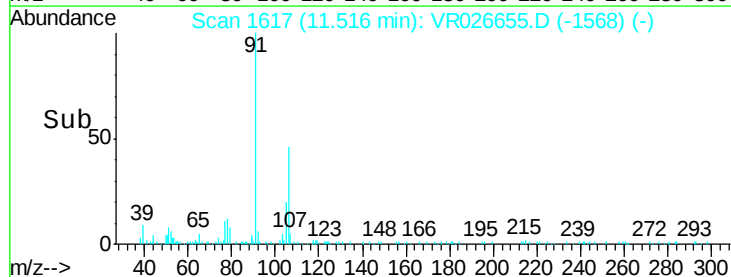
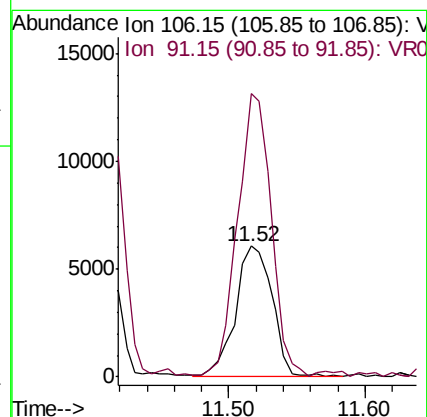
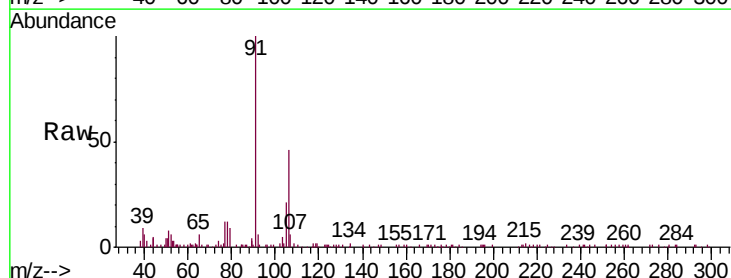
Acq: 10 Oct 2019 17:51

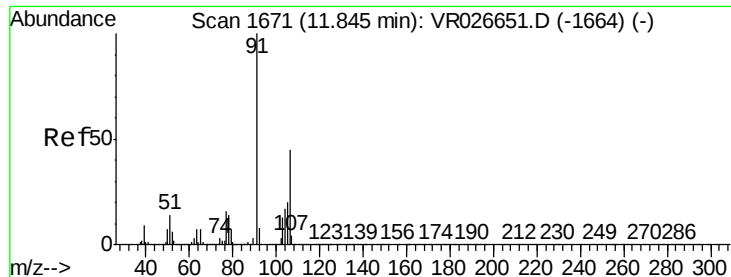
Tgt Ion: 106 Resp: 11478

Ion Ratio Lower Upper

106 100

91 216.7 148.4 275.6

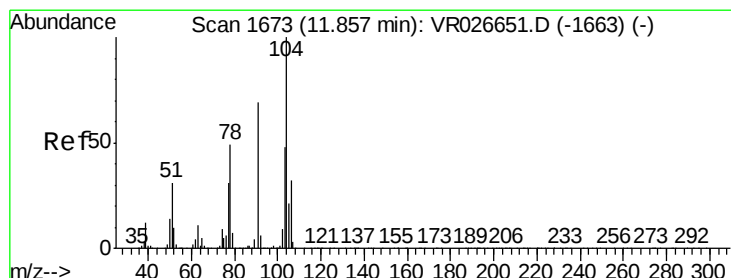
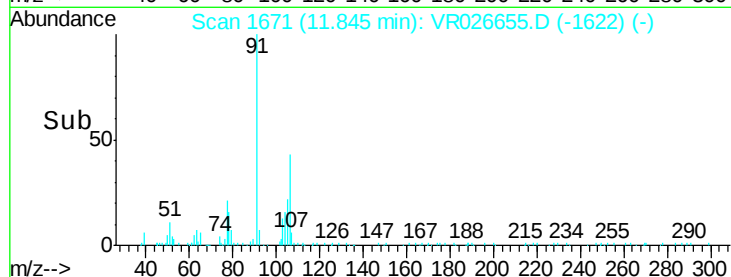
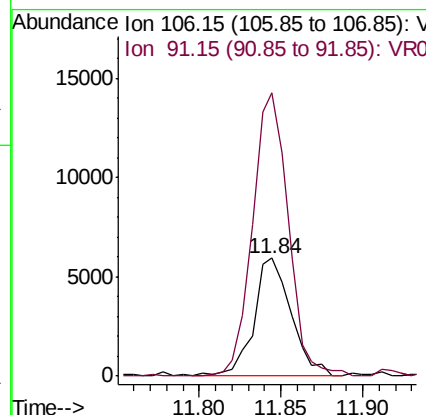
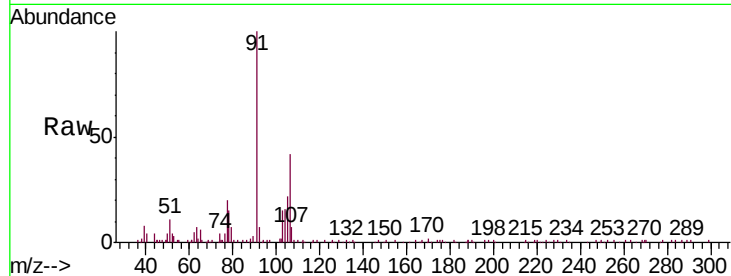




#54
o-Xylene
Concen: 0.360 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

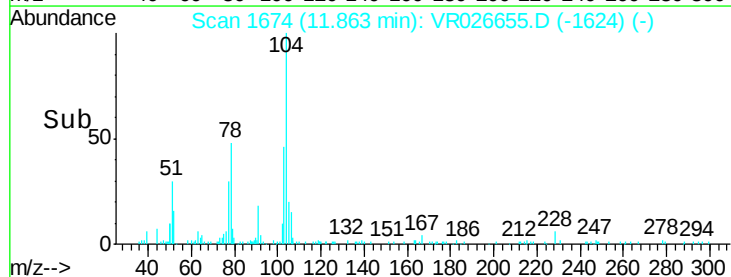
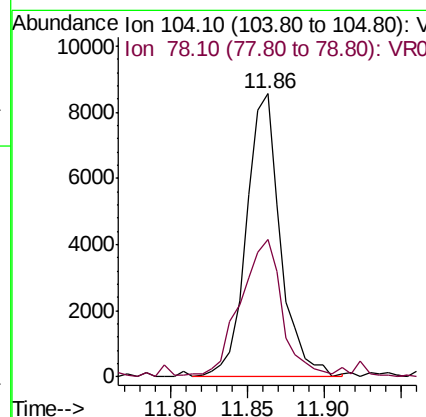
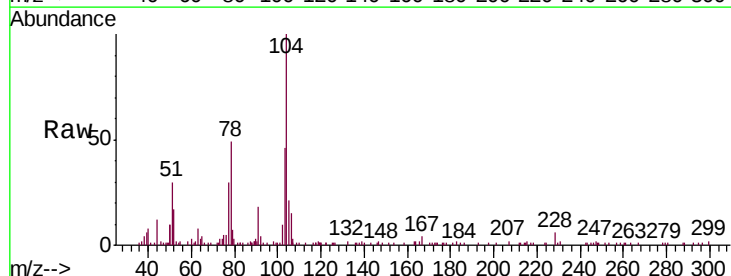
Instrument :
MSVOA_R
ClientSampled :

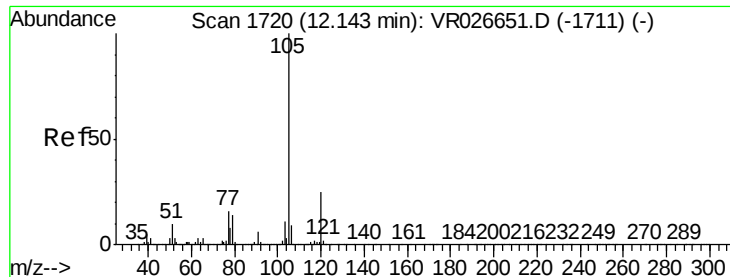
Tgt Ion:106 Resp: 9470
Ion Ratio Lower Upper
106 100
91 239.4 156.4 290.6



#55
Styrene
Concen: 0.350 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VR026655.D
Acq: 10 Oct 2019 17:51

Tgt Ion:104 Resp: 13172
Ion Ratio Lower Upper
104 100
78 48.6 34.5 64.1





#56

Isopropylbenzene

Concen: 0.399 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VR026655.D

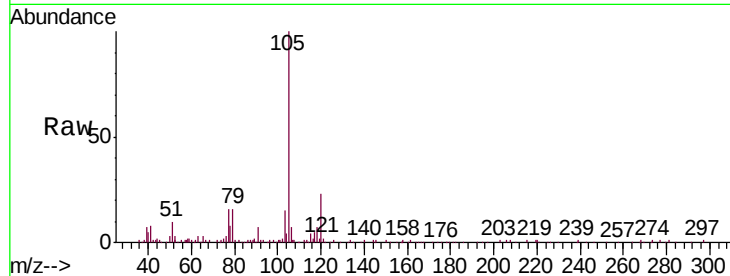
Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

ClientSampled :

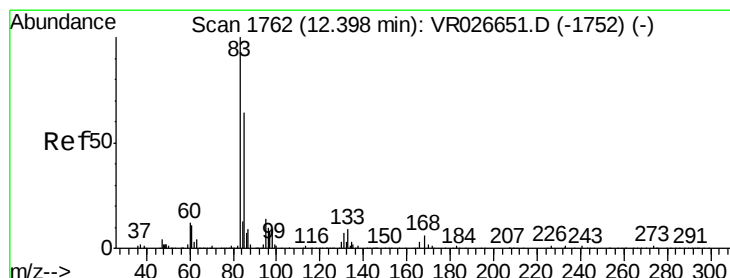
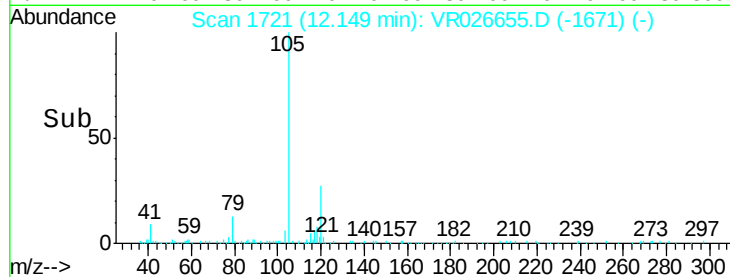
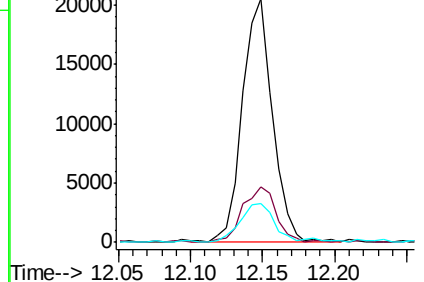
Tgt Ion:	105	Resp:	29736
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.6	31.0
77	17.3	13.6	20.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.572 ug/L

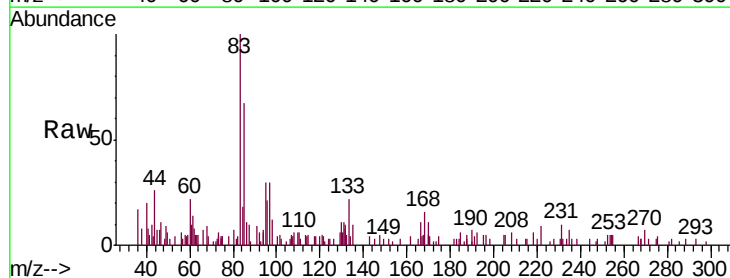
RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

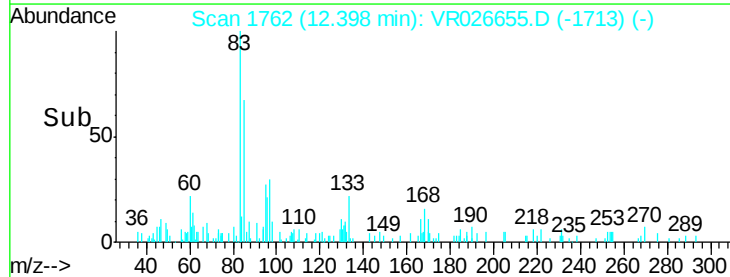
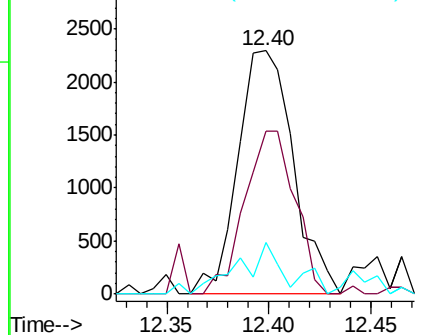
Tgt Ion:	83	Resp:	4310
Ion Ratio	Lower	Upper	
83	100		
85	67.1	44.7	82.9
131	21.1	5.4	8.2#

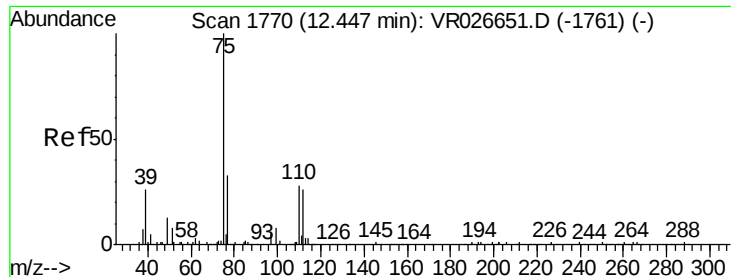


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.601 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

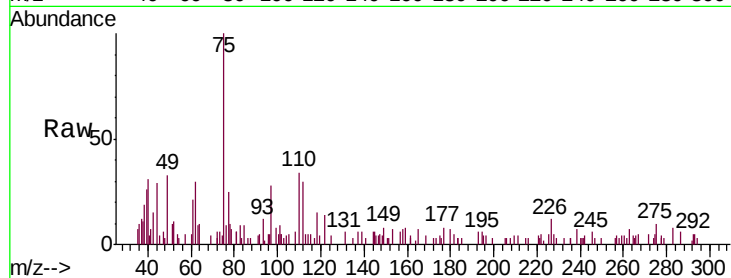
ClientSampleId :

Tgt Ion: 75 Resp: 3219

Ion Ratio Lower Upper

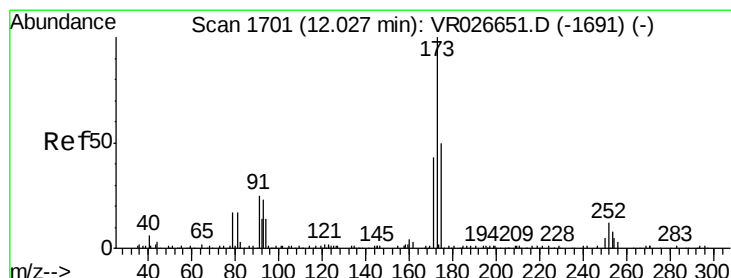
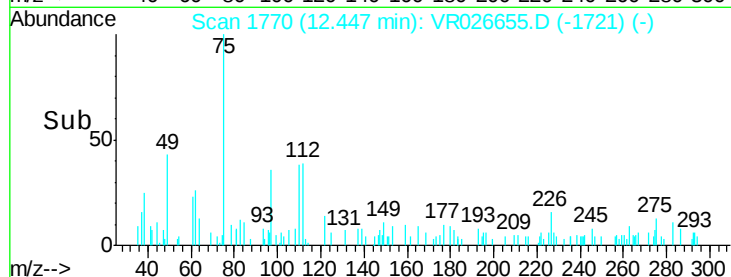
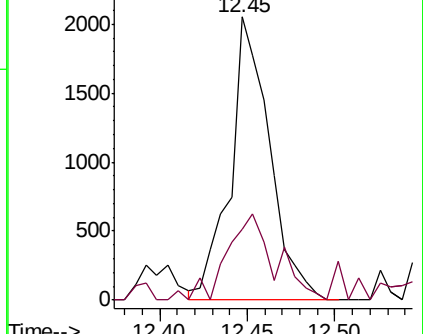
75 100

77 37.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.550 ug/L

RT: 12.02 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

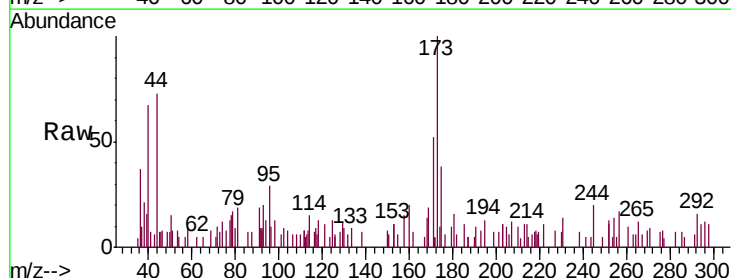
Tgt Ion: 173 Resp: 1774

Ion Ratio Lower Upper

173 100

175 56.4 38.6 57.8

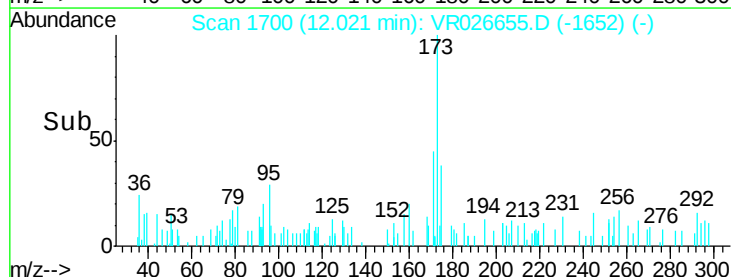
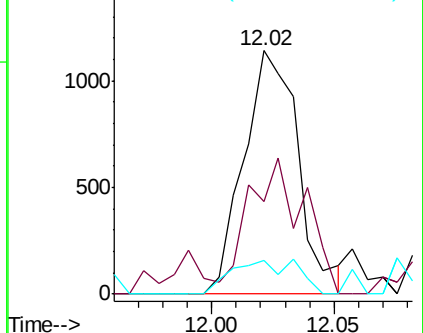
254 16.8 11.3 16.9

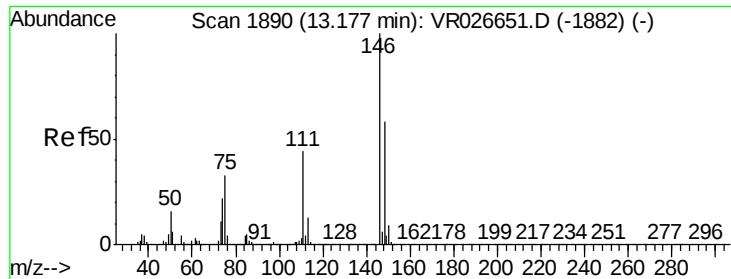


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.512 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026655.D

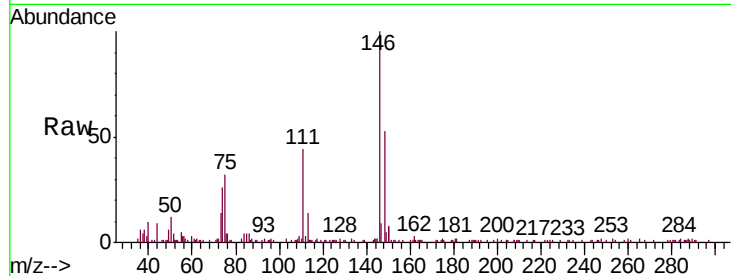
Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

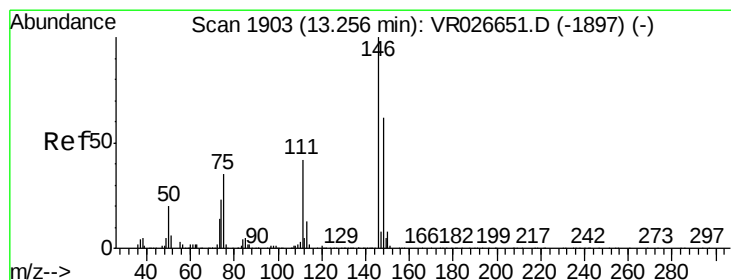
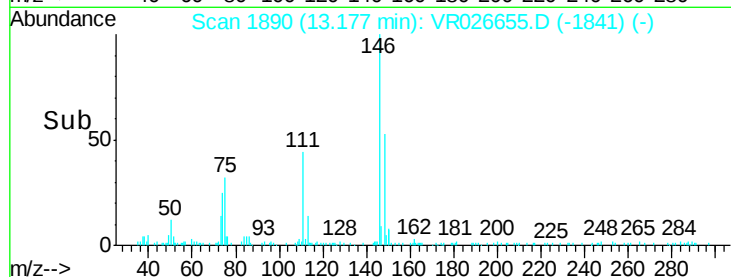
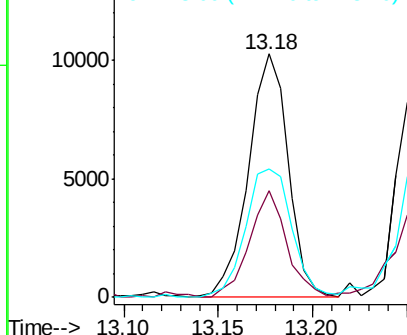
Tgt Ion:	146	Resp:	14990
Ion	Ratio	Lower	Upper
146	100		
111	43.7	31.0	57.6
148	52.9	40.9	75.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.556 ug/L

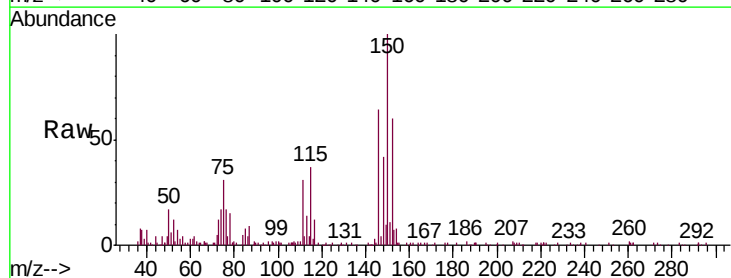
RT: 13.26 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

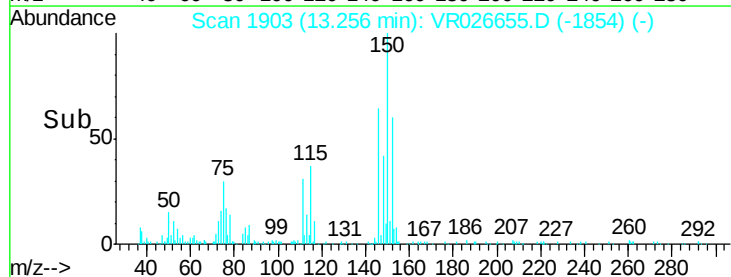
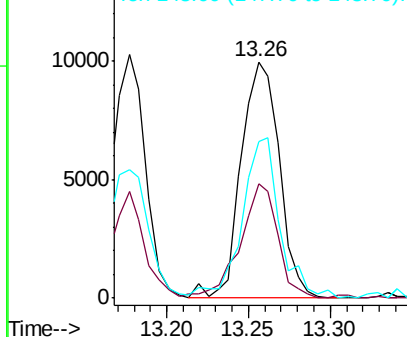
Tgt Ion:	146	Resp:	16243
Ion	Ratio	Lower	Upper
146	100		
111	48.3	29.6	55.0
148	66.1	43.2	80.2

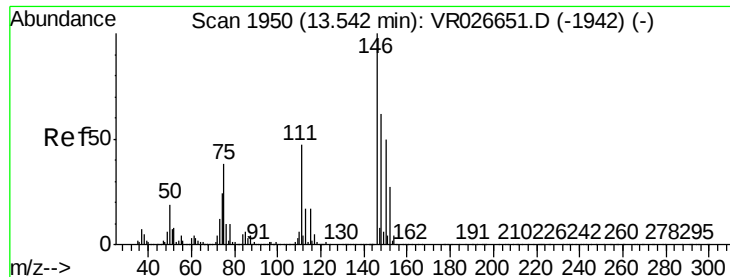


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

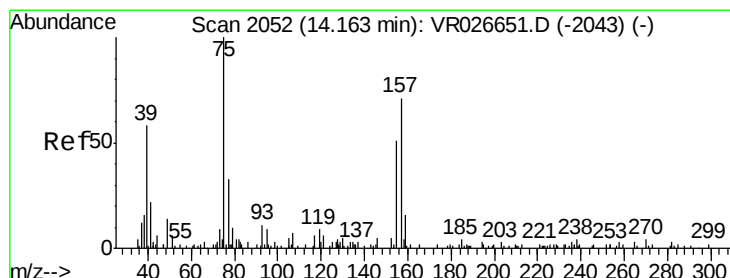
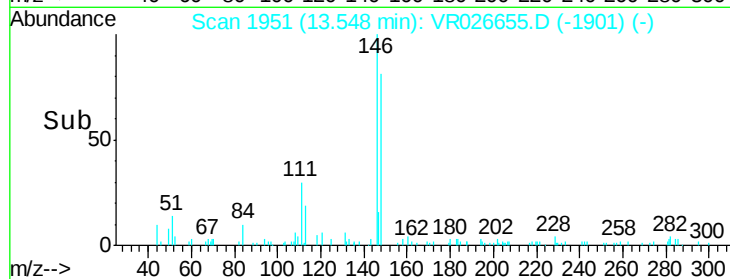
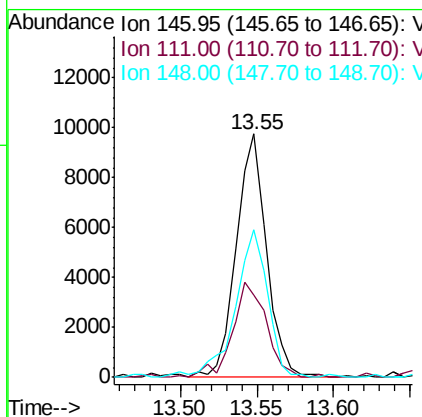
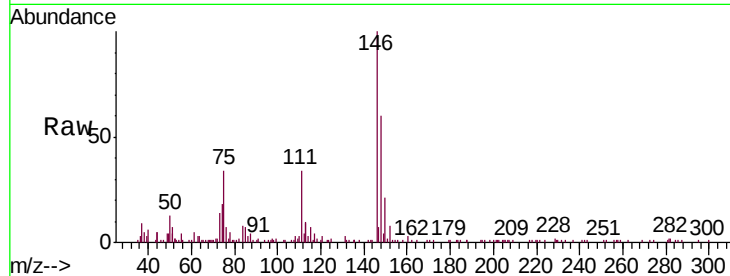




#65
 1,2-Dichlorobenzene
 Concen: 0.542 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

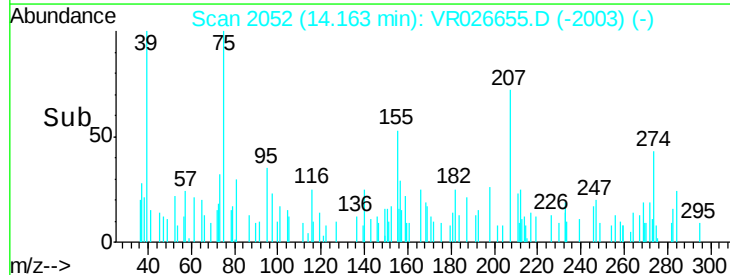
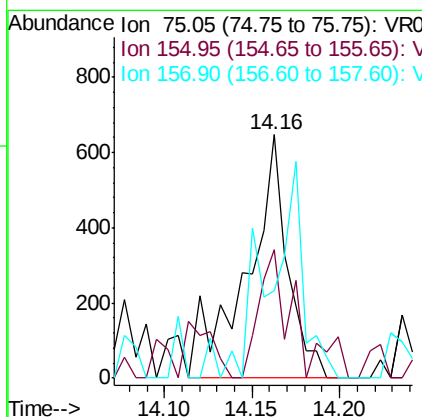
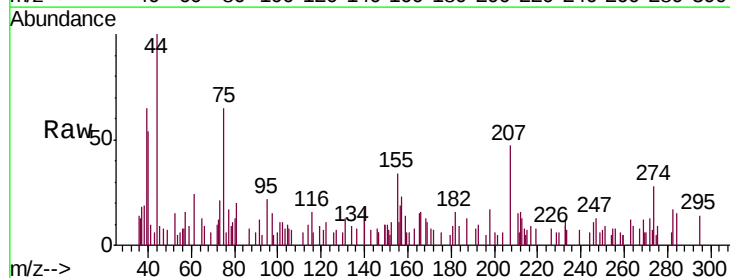
Instrument :
 MSVOA_R
 ClientSampleId :

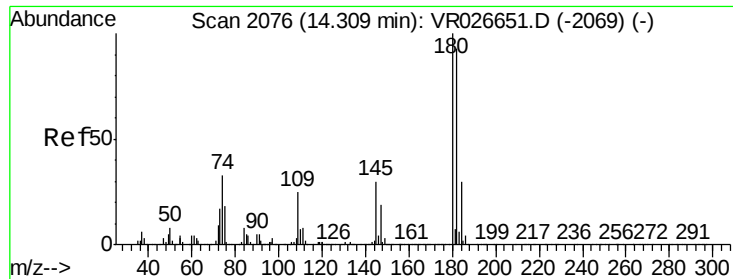
Tgt Ion: 146 Resp: 13346
 Ion Ratio Lower Upper
 146 100
 111 33.9 37.4 56.2#
 148 60.5 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.842 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

Tgt Ion: 75 Resp: 1050
 Ion Ratio Lower Upper
 75 100
 155 52.8 41.8 62.8
 157 36.0 56.5 84.7#

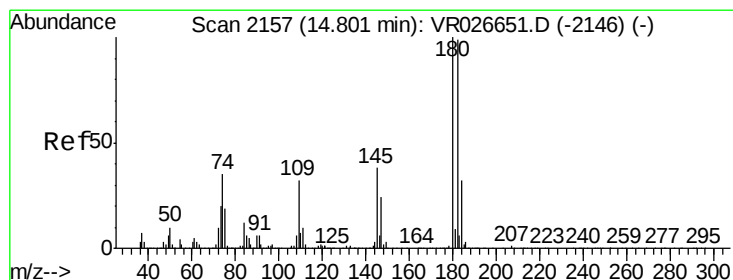
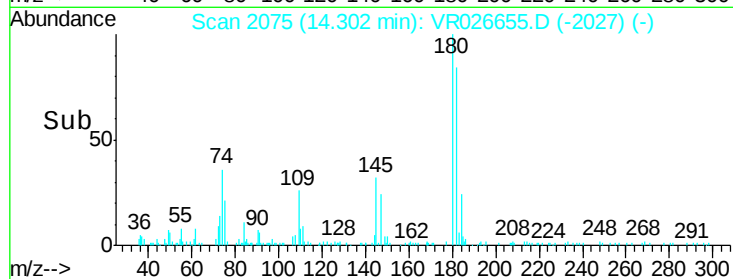
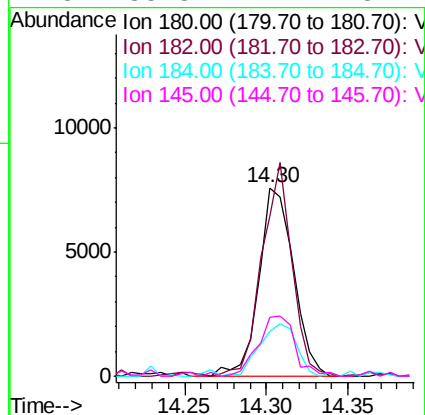
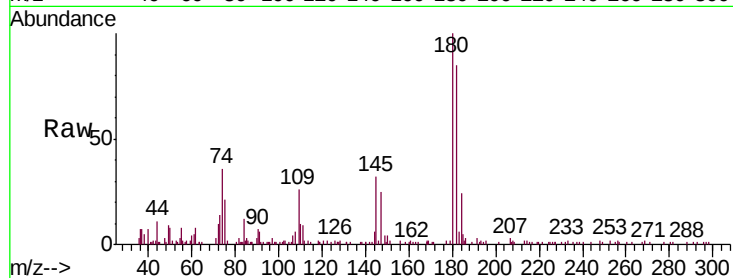




#67
 1,3,5-Trichlorobenzene
 Concen: 0.484 ug/L
 RT: 14.30 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

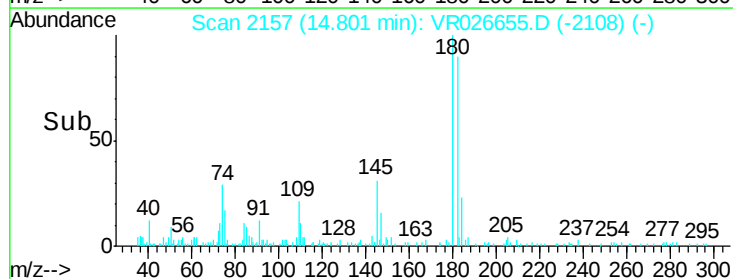
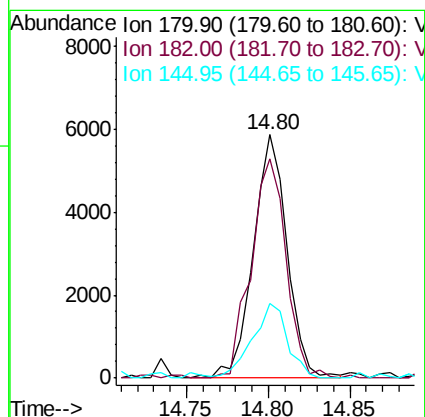
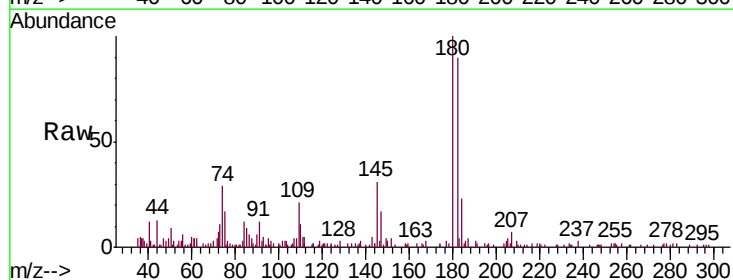
Instrument :
 MSVOA_R
 ClientSampleId :

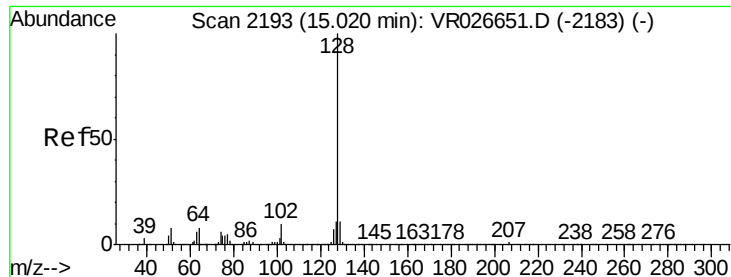
Tgt Ion:	180	Resp:	11312
Ion Ratio	Lower	Upper	
180	100		
182	96.8	72.5	108.7
184	29.3	22.7	34.1
145	33.8	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 0.517 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026655.D
 Acq: 10 Oct 2019 17:51

Tgt Ion:	180	Resp:	8477
Ion Ratio	Lower	Upper	
180	100		
182	93.3	75.7	113.5
145	31.9	27.0	40.6





#69

Naphthalene

Concen: 0.294 ug/L

RT: 15.01 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

Instrument :

MSVOA_R

ClientSampleId :

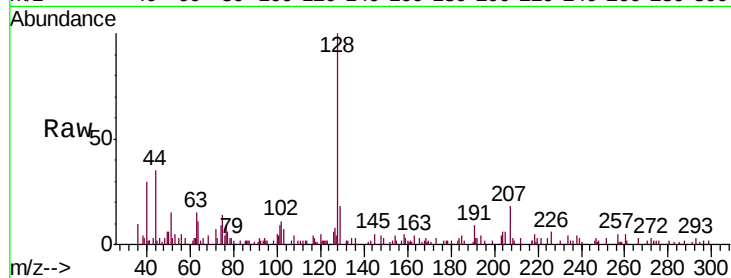
Tgt Ion:128 Resp: 6301

Ion Ratio Lower Upper

128 100

127 21.3 10.6 16.0#

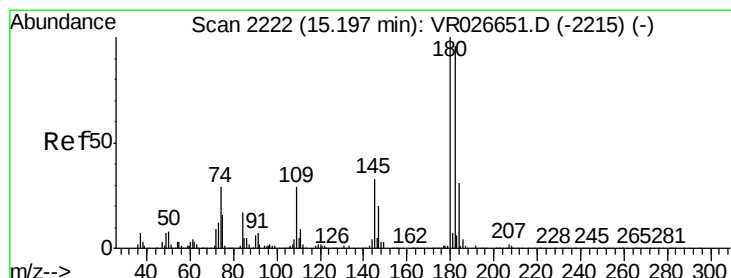
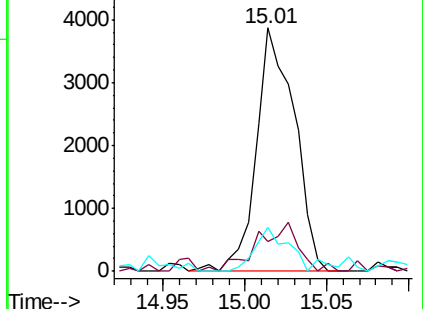
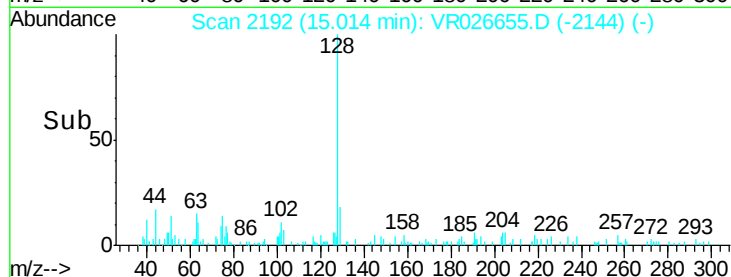
129 15.3 8.4 12.6#



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: 0.501 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026655.D

Acq: 10 Oct 2019 17:51

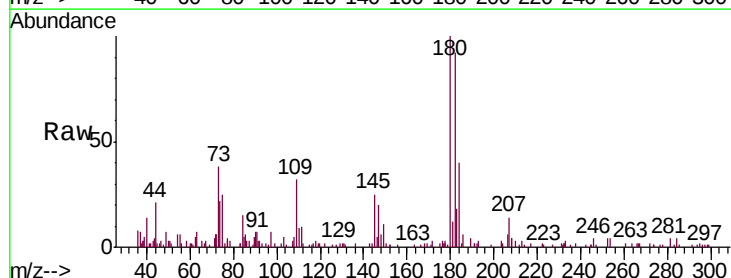
Tgt Ion:180 Resp: 7465

Ion Ratio Lower Upper

180 100

182 109.8 75.2 112.8

145 36.5 27.1 40.7



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

