

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026660.D
 Acq On : 11 Oct 2019 10:34
 Operator : SY/MD
 Sample : VSTD00166
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:35:26 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	215197	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	170669	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	84816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	13531	1.09	ug/L	0.00
7) Chloroethane-d5	2.65	69	11349	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	29500	0.95	ug/L	0.00
20) 2-Butanone-d5	6.62	46	14987	8.74	ug/L	0.00
24) Chloroform-d	7.23	84	38934	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	12110	0.89	ug/L	0.00
32) Benzene-d6	7.87	84	74294	1.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	18281	0.98	ug/L	0.00
41) Toluene-d8	9.98	98	54689	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	4492	0.90	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	9705	7.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	8295	0.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	13836	0.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	37095	1.069 ug/L	97
3) Chloromethane	2.05	50	16749	0.940 ug/L #	77
5) Vinyl chloride	2.21	62	18231	1.070 ug/L	93
6) Bromomethane	2.54	94	11301	1.000 ug/L	87
8) Chloroethane	2.68	64	9221	0.930 ug/L	99
9) Trichlorofluoromethane	2.98	101	33555	1.043 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	14680	1.078 ug/L #	76
12) 1,1-Dichloroethene	3.66	96	12793	0.996 ug/L	89
14) Carbon disulfide	3.96	76	79942	0.911 ug/L #	92
15) Methyl Acetate	4.23	43	4600	0.873 ug/L	95
16) Methylene chloride	4.43	84	26719	0.989 ug/L	99
17) Methyl tert-butyl Ether	4.93	73	18210	0.799 ug/L #	92
18) trans-1,2-Dichloroethene	4.91	96	24695	0.991 ug/L	93
19) 1,1-Dichloroethane	5.72	63	43098	0.997 ug/L	93
21) 2-Butanone	6.72	43	18802	9.386 ug/L	100
22) cis-1,2-Dichloroethene	6.70	96	17938	0.793 ug/L #	95
23) Bromochloromethane	7.08	128	5887	0.896 ug/L #	89
25) Chloroform	7.25	83	44993	1.056 ug/L	92
27) 1,2-Dichloroethane	8.01	62	16053	0.985 ug/L #	95
29) 1,1,1-Trichloroethane	7.46	97	31051	1.009 ug/L	98
30) Cyclohexane	7.54	56	36445	1.042 ug/L	98
31) Carbon tetrachloride	7.65	117	28769	1.006 ug/L	97
33) Benzene	7.93	78	89102	1.014 ug/L	100
34) Trichloroethene	8.72	95	23228	1.006 ug/L	91
35) Methylcyclohexane	8.97	83	38353	1.114 ug/L	96
37) 1,2-Dichloropropane	9.01	63	16996	0.969 ug/L #	92
38) Bromodichloromethane	9.30	83	18652	0.947 ug/L #	98
39) cis-1,3-Dichloropropene	9.74	75	15312	0.793 ug/L	92
40) 4-Methyl-2-pentanone	9.88	43	36678	8.824 ug/L	96
42) Toluene	10.05	91	79867	1.023 ug/L	96

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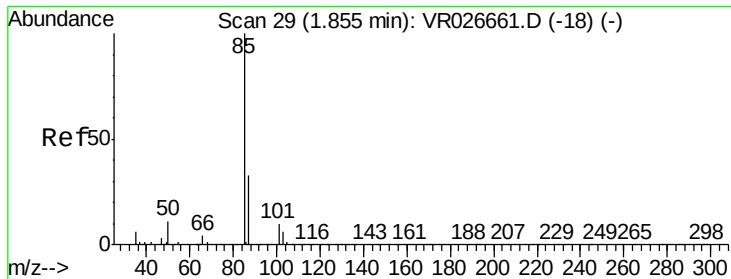
Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	10.28	75	11439	0.907	ug/L #	69
45) 1,1,2-Trichloroethane	10.46	97	8328	1.005	ug/L	98
47) Tetrachloroethene	10.52	164	14691	1.025	ug/L	76
48) 2-Hexanone	10.65	43	25321	9.081	ug/L	96
49) Dibromochloromethane	10.79	129	8354	0.945	ug/L	79
50) 1,2-Dibromoethane	10.90	107	6142	0.895	ug/L #	98
51) Chlorobenzene	11.33	112	45420	0.978	ug/L	99
52) Ethylbenzene	11.41	91	84167	0.975	ug/L	94
53) m,p-Xylene	11.52	106	29621	0.930	ug/L	98
54) o-Xylene	11.84	106	27209	0.933	ug/L	97
55) Styrene	11.86	104	38837	0.922	ug/L	97
56) Isopropylbenzene	12.14	105	79604	0.928	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	8658	0.994	ug/L	94
59) 1,2,3-Trichloropropane	12.45	75	6451	0.990	ug/L #	88
61) Bromoform	12.02	173	3381	0.928	ug/L #	95
62) 1,3-Dichlorobenzene	13.18	146	29635	0.920	ug/L	94
63) 1,4-Dichlorobenzene	13.26	146	30795	0.940	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	25505	0.919	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.16	75	1033	0.651	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.31	180	22279	0.901	ug/L	94
68) 1,2,4-trichlorobenzene	14.80	180	13940	0.736	ug/L	99
69) Naphthalene	15.02	128	13549	0.633	ug/L	95
70) 1,2,3-Trichlorobenzene	15.20	180	13360	0.789	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.069 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

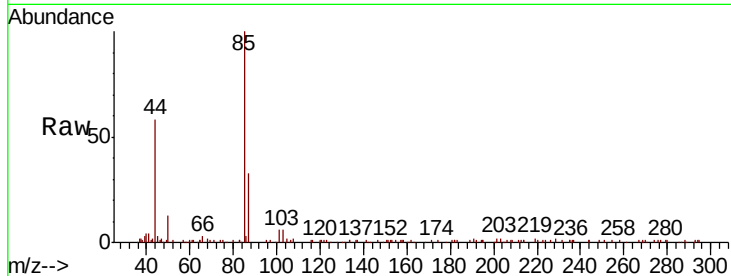
ClientSampleId :

Tot Ion: 85 Resp: 37095

Ion Ratio Lower Upper

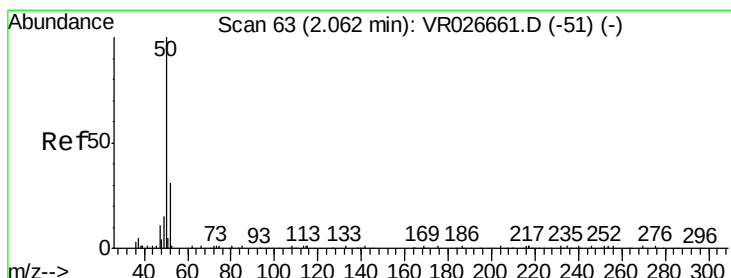
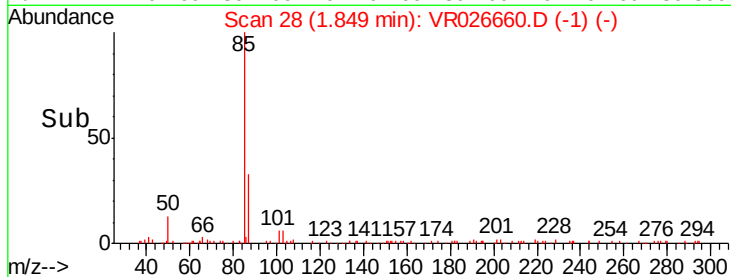
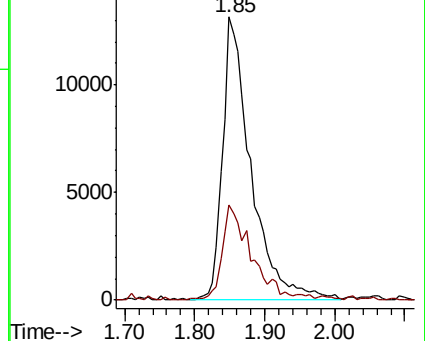
85 100

87 34.1 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 0.940 ug/L

RT: 2.05 min Scan# 61

Delta R.T. -0.01 min

Lab File: VR026660.D

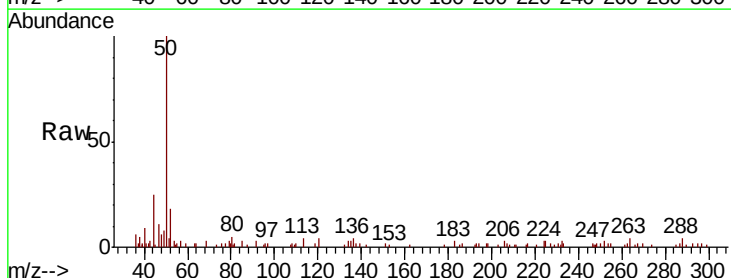
Acq: 11 Oct 2019 10:34

Tgt Ion: 50 Resp: 16749

Ion Ratio Lower Upper

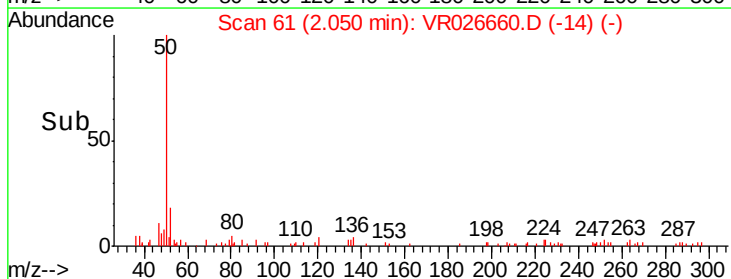
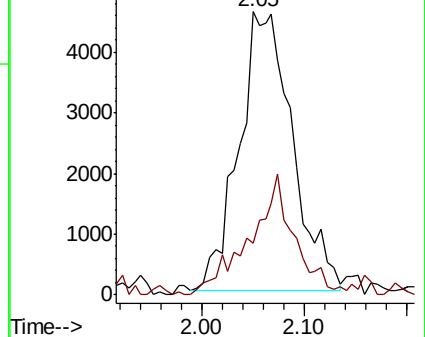
50 100

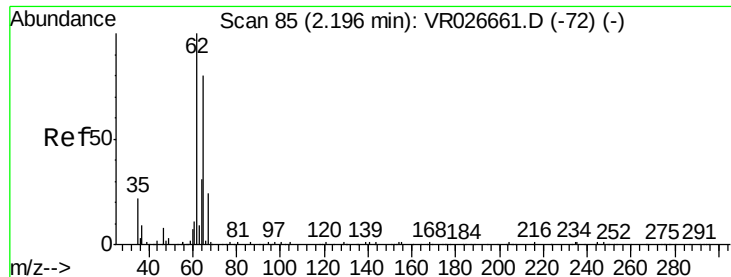
52 18.1 21.3 39.6#



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.070 ug/L

RT: 2.21 min Scan# 87

Delta R.T. 0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

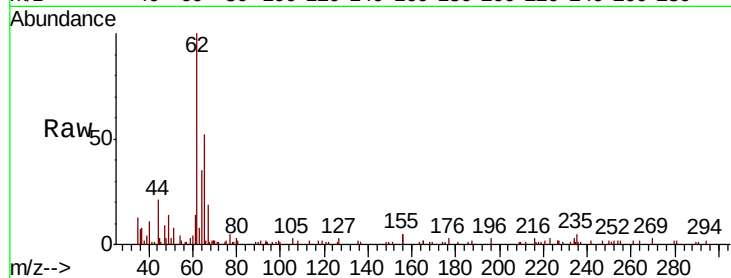
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 62 Resp: 18231

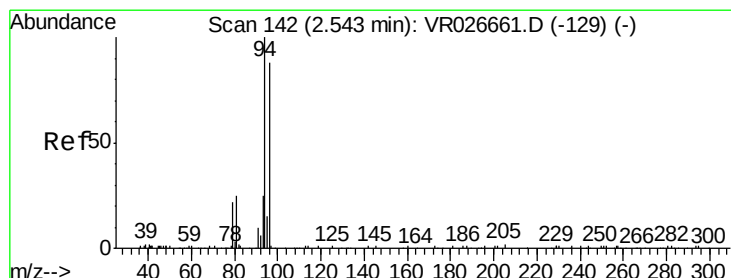
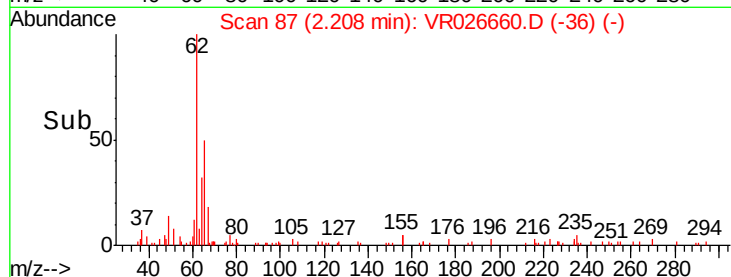
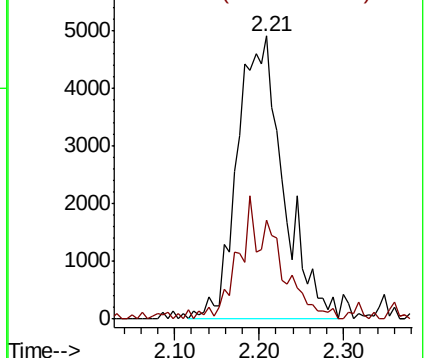
Ion Ratio Lower Upper

62 100

64 34.9 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VR0
Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 1.000 ug/L

RT: 2.54 min Scan# 142

Delta R.T. -0.00 min

Lab File: VR026660.D

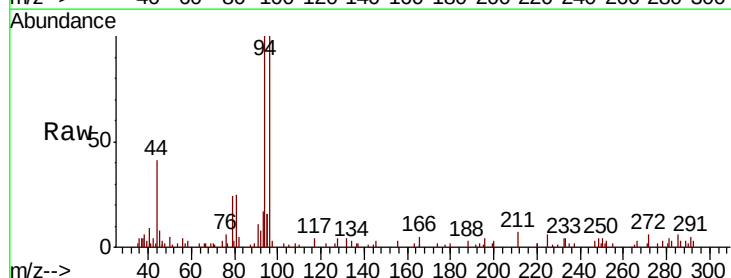
Acq: 11 Oct 2019 10:34

Tgt Ion: 94 Resp: 11301

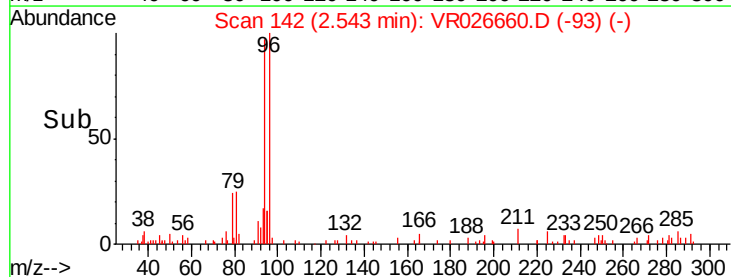
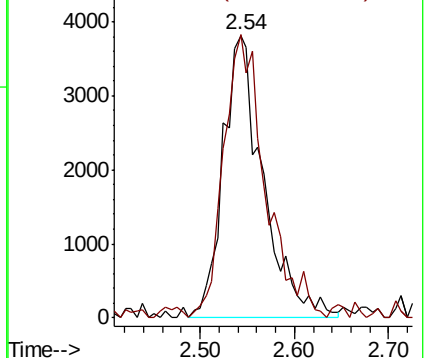
Ion Ratio Lower Upper

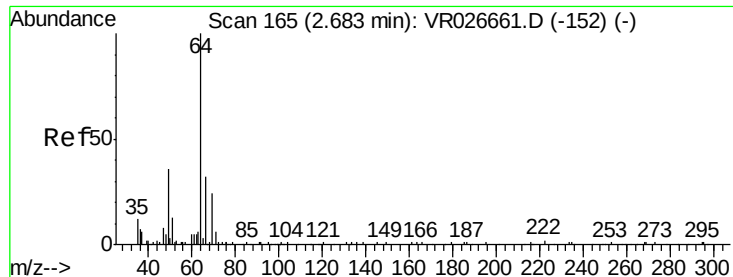
94 100

96 100.2 61.7 114.5



Abundance Ion 94.00 (93.70 to 94.70): VR0
Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 0.930 ug/L

RT: 2.68 min Scan# 164

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

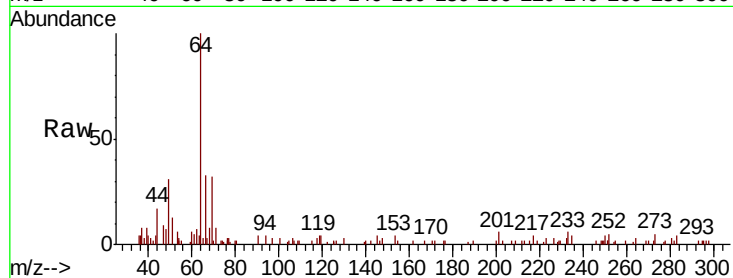
ClientSampleId :

Tot Ion: 64 Resp: 9221

Ion Ratio Lower Upper

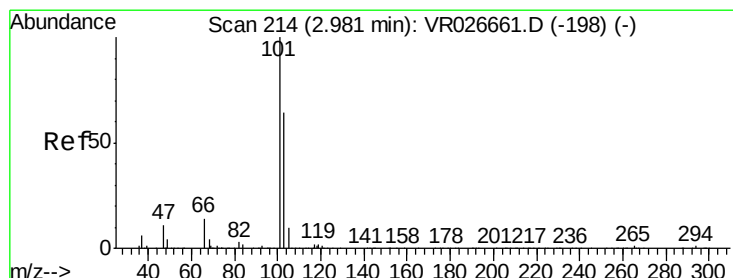
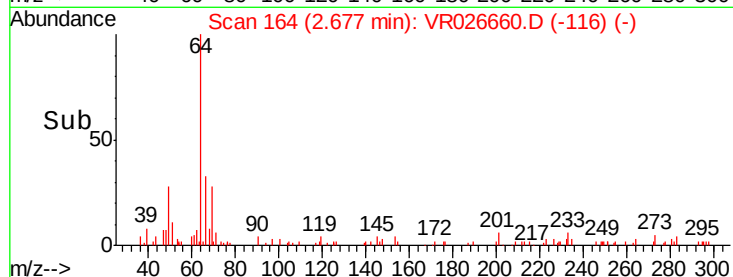
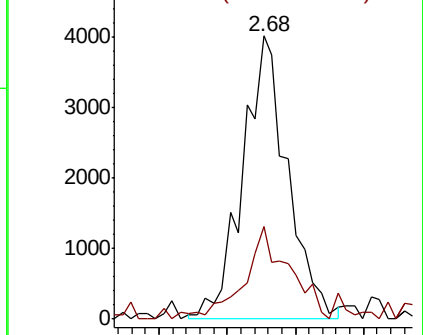
64 100

66 33.0 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.043 ug/L

RT: 2.98 min Scan# 214

Delta R.T. -0.00 min

Lab File: VR026660.D

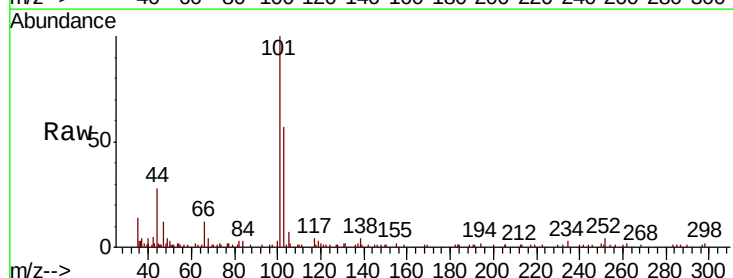
Acq: 11 Oct 2019 10:34

Tgt Ion: 101 Resp: 33555

Ion Ratio Lower Upper

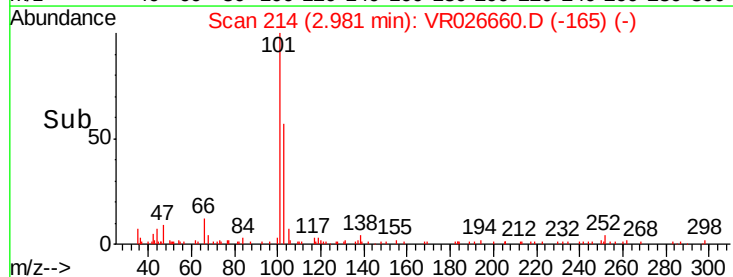
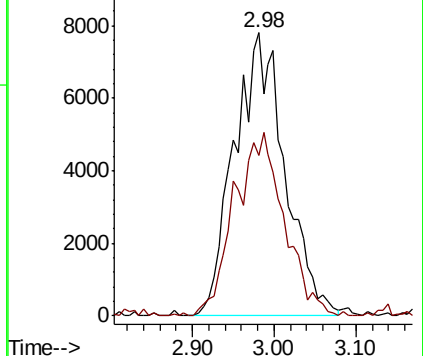
101 100

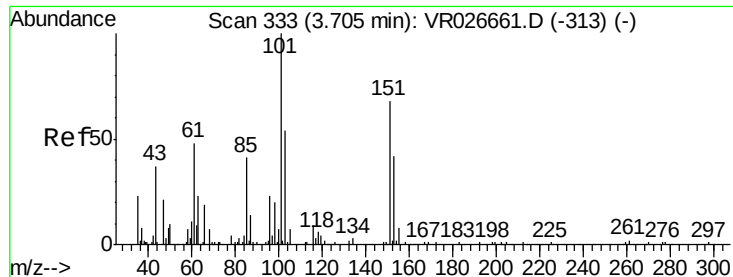
103 63.8 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.078 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

ClientSampled :

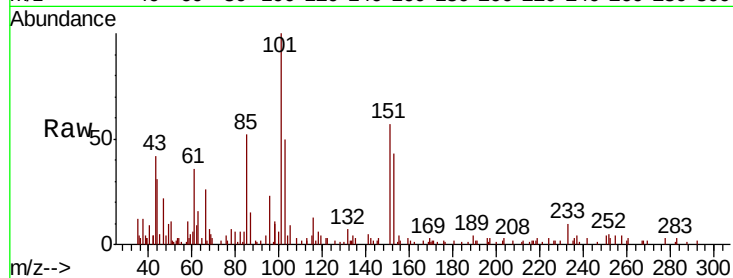
Tot Ion:101 Resp: 14680

Ion Ratio Lower Upper

101 100

85 44.5 41.8 62.8

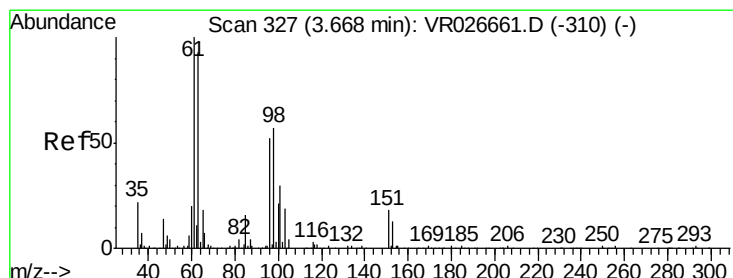
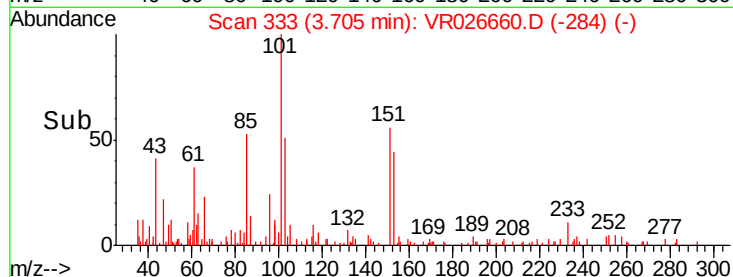
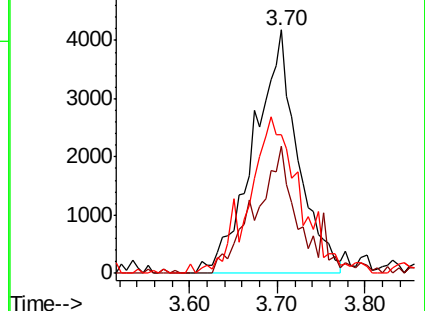
151 60.7 27.9 41.9#



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: 0.996 ug/L

RT: 3.66 min Scan# 325

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

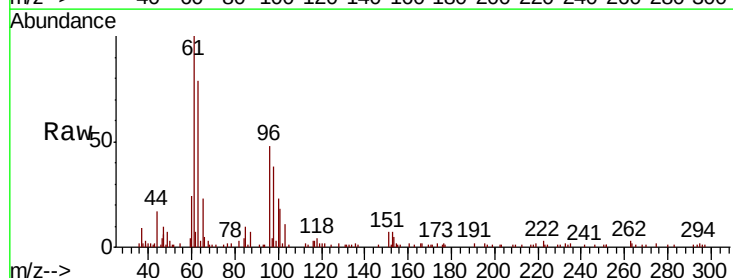
Tgt Ion: 96 Resp: 12793

Ion Ratio Lower Upper

96 100

61 209.6 133.7 248.3

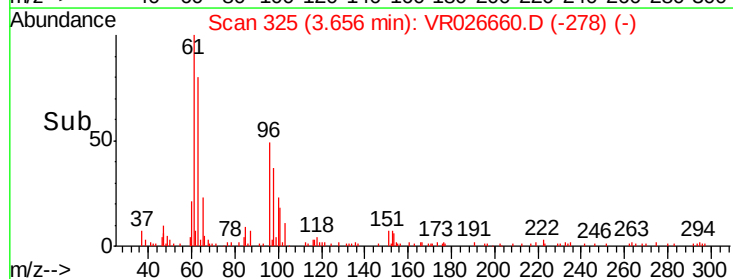
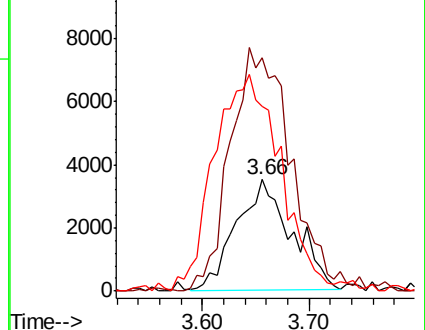
63 165.1 124.6 231.4

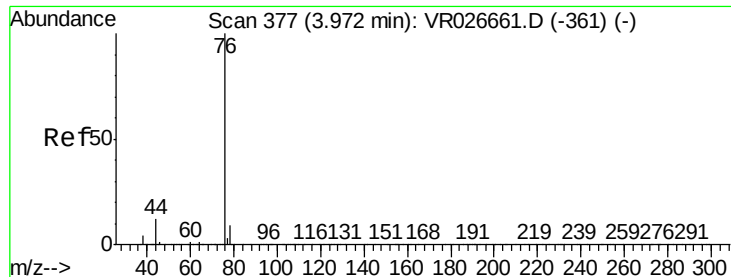


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#14

Carbon disulfide

Concen: 0.911 ug/L

RT: 3.96 min Scan# 375

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

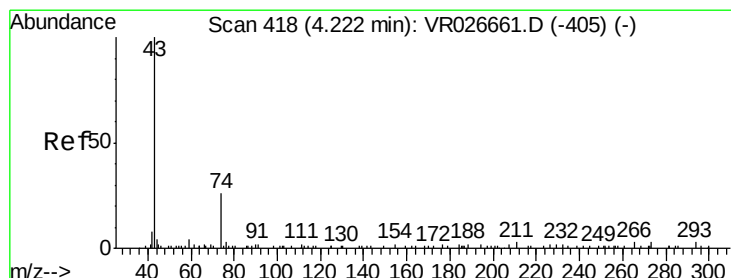
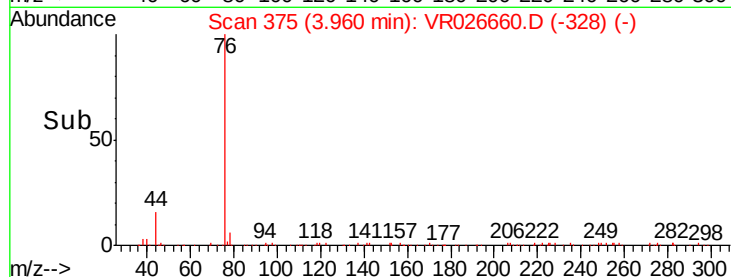
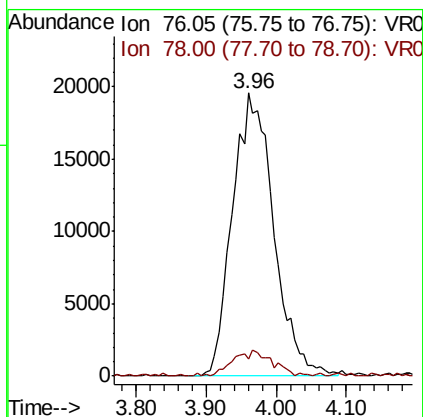
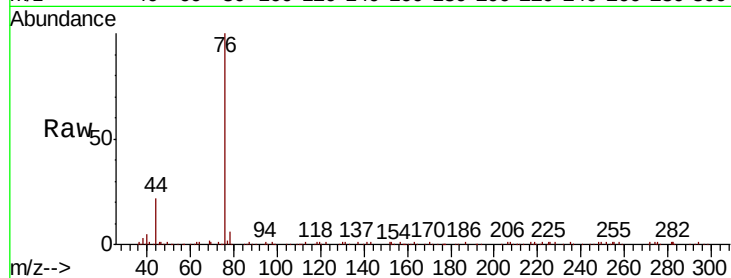
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 76 Resp: 79942

Ion Ratio Lower Upper

76 100

78 6.1 7.3 10.9#



#15

Methyl Acetate

Concen: 0.873 ug/L

RT: 4.23 min Scan# 419

Delta R.T. 0.01 min

Lab File: VR026660.D

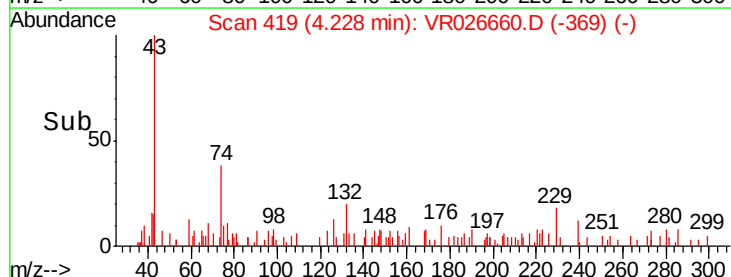
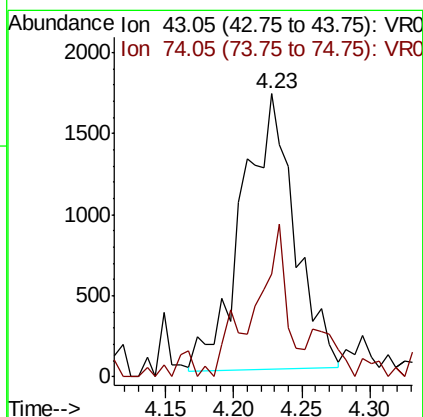
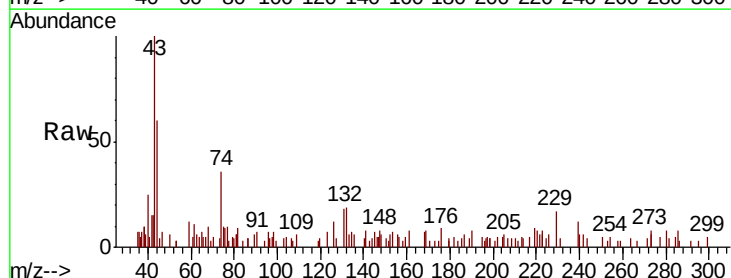
Acq: 11 Oct 2019 10:34

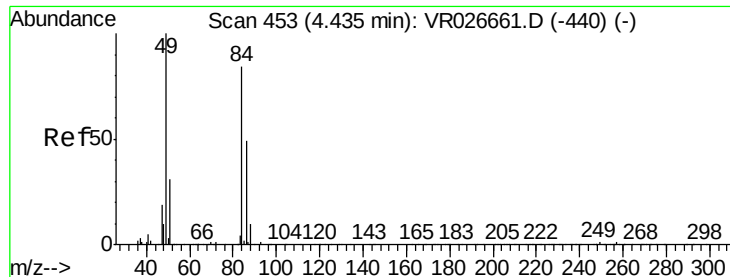
Tgt Ion: 43 Resp: 4600

Ion Ratio Lower Upper

43 100

74 25.4 18.2 27.4

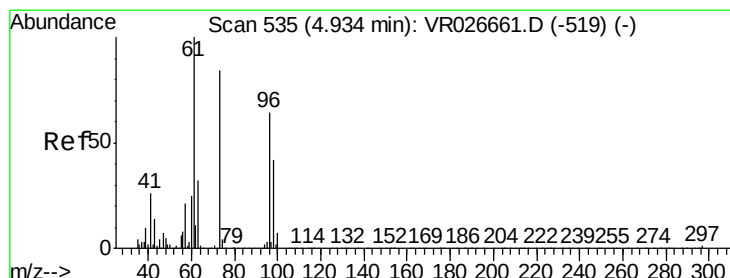
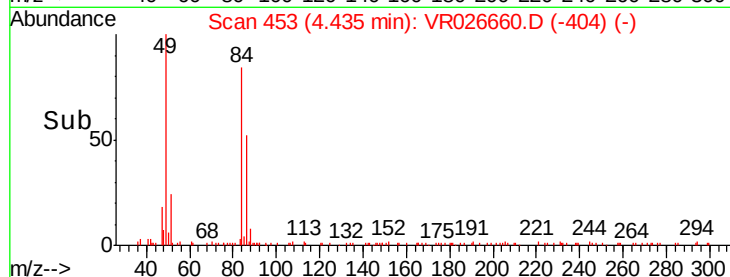
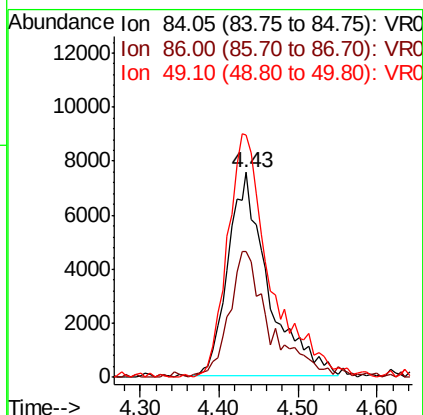
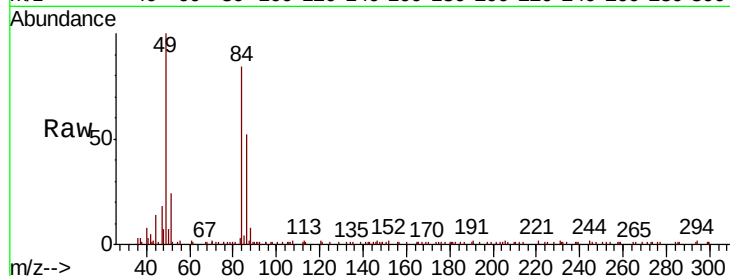




#16
Methylene chloride
Concen: 0.989 ug/L
RT: 4.43 min Scan# 453
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

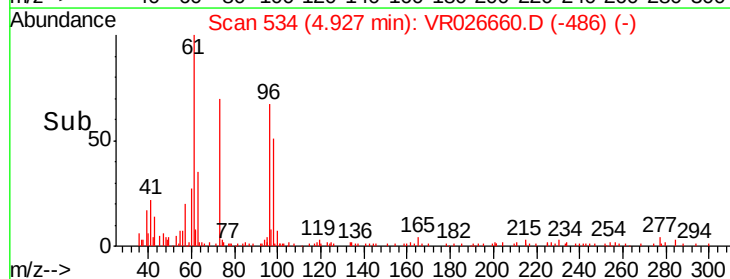
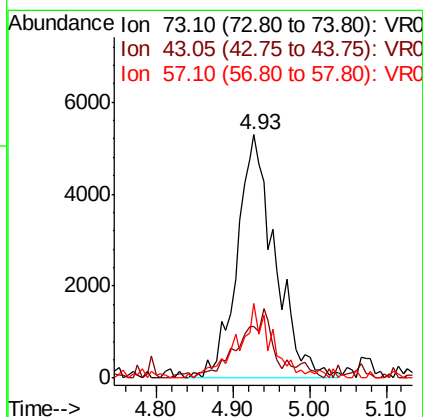
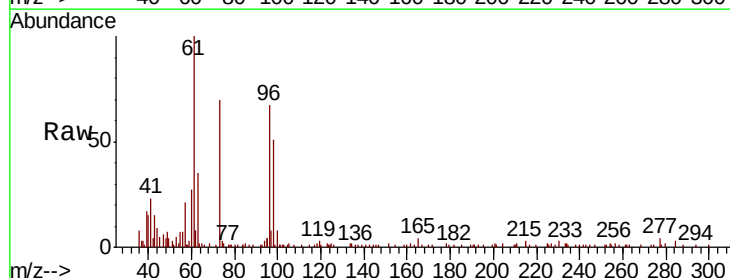
Instrument :
MSVOA_R
ClientSampleId :

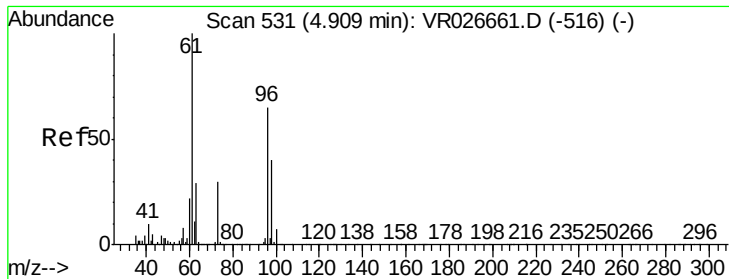
Tot Ion: 84 Resp: 26719
Ion Ratio Lower Upper
84 100
86 61.1 41.6 77.2
49 118.5 83.7 155.5



#17
Methyl tert-butyl Ether
Concen: 0.799 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion: 73 Resp: 18210
Ion Ratio Lower Upper
73 100
43 23.4 15.1 22.7#
57 27.1 19.1 28.7

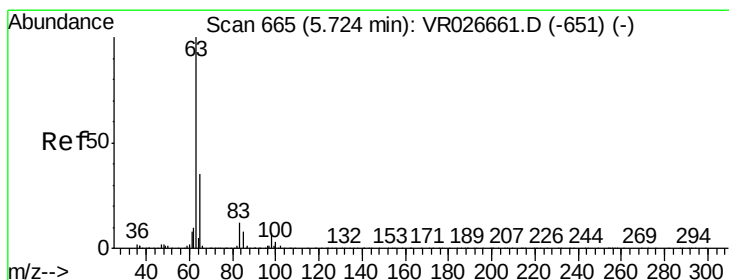
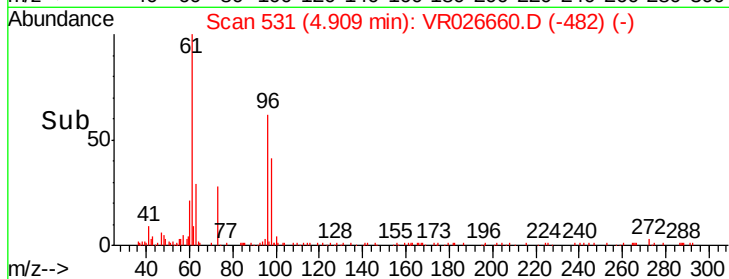
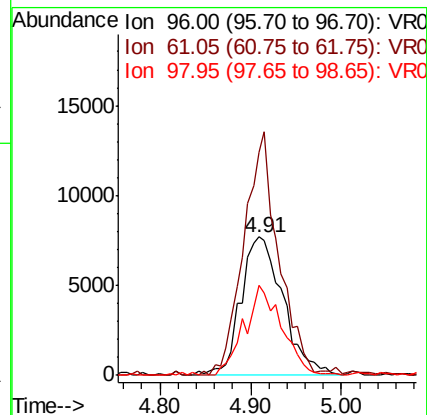
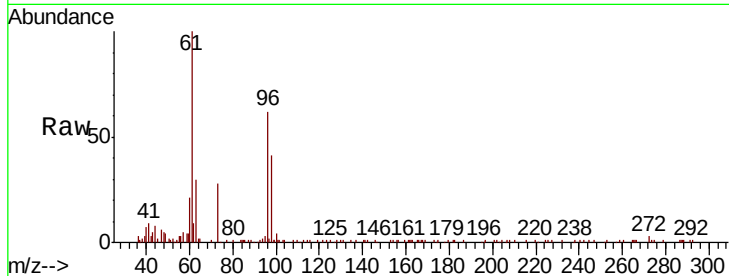




#18
trans-1,2-Dichloroethene
Concen: 0.991 ug/L
RT: 4.91 min Scan# 531
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

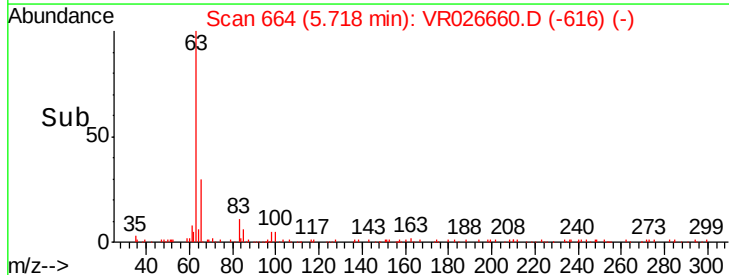
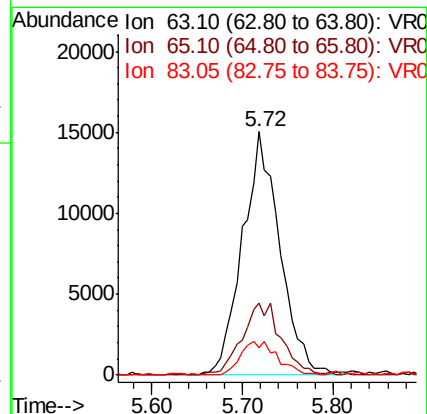
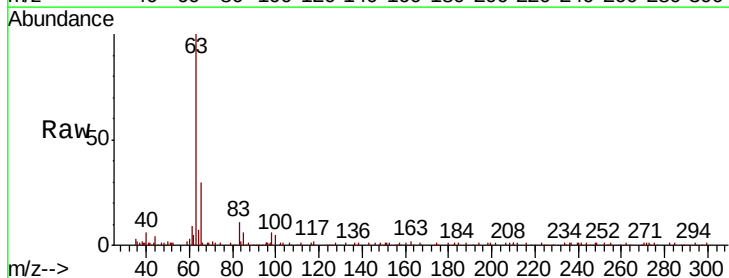
Instrument :
MSVOA_R
ClientSampleId :

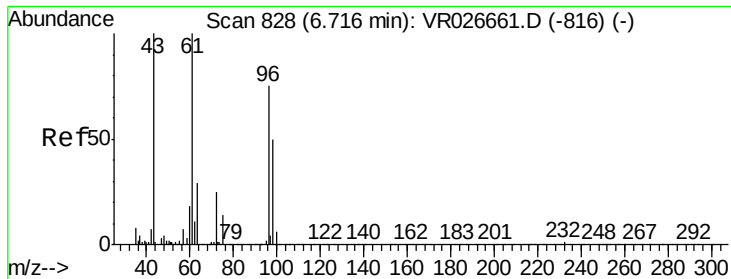
Tot Ion: 96 Resp: 24695
Ion Ratio Lower Upper
96 100
61 161.6 107.2 199.0
98 65.6 42.5 78.9



#19
1,1-Dichloroethane
Concen: 0.997 ug/L
RT: 5.72 min Scan# 664
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion: 63 Resp: 43098
Ion Ratio Lower Upper
63 100
65 29.6 24.5 45.5
83 11.0 8.3 15.3

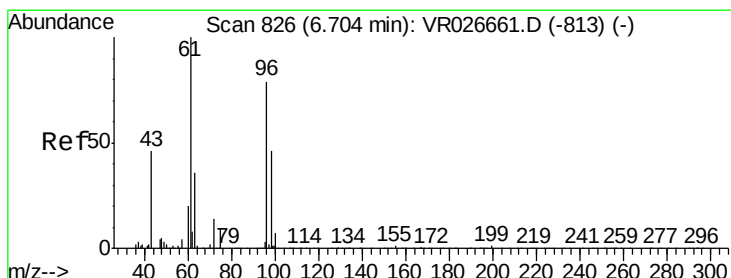
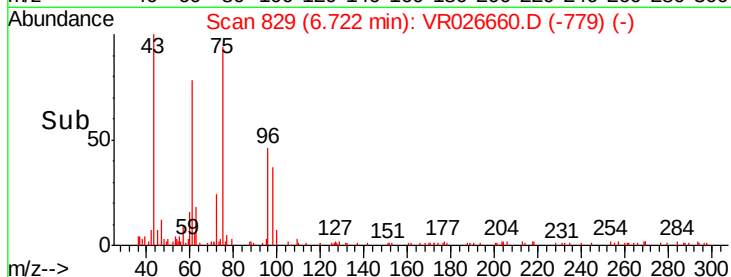
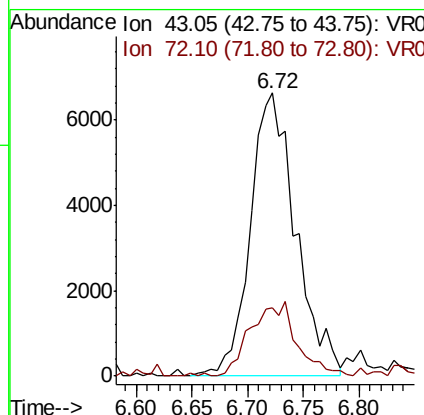
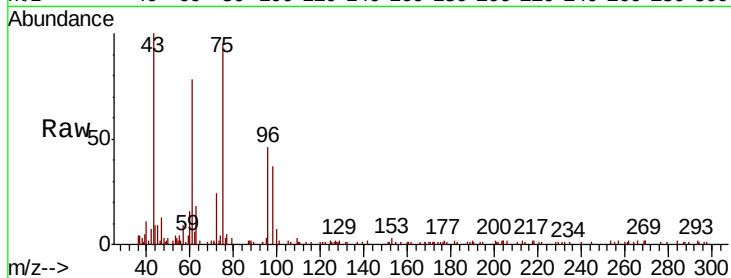




#21
2-Butanone
Concen: 9.386 ug/L
RT: 6.72 min Scan# 829
Delta R.T. 0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

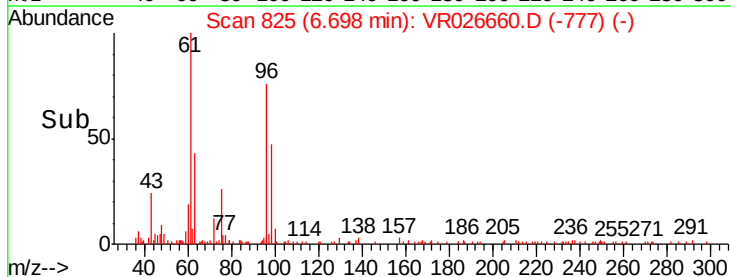
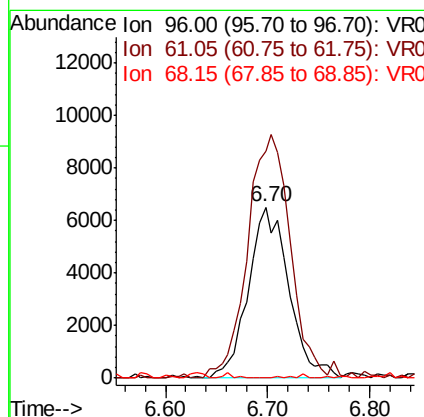
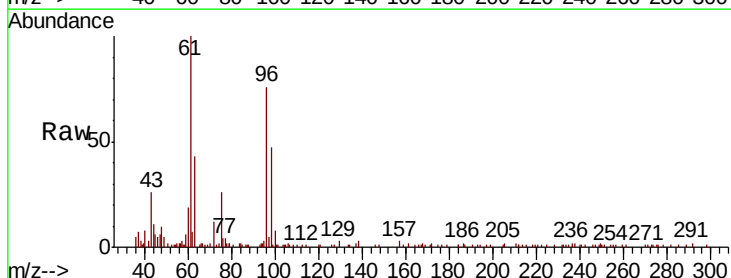
Instrument :
MSVOA_R
ClientSampleId :

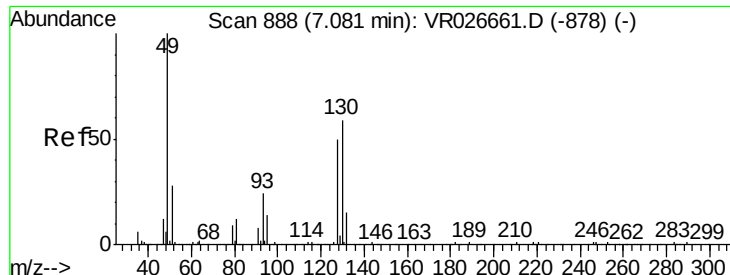
Tot Ion: 43 Resp: 18802
Ion Ratio Lower Upper
43 100
72 26.6 13.2 39.6



#22
cis-1,2-Dichloroethene
Concen: 0.793 ug/L
RT: 6.70 min Scan# 825
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion: 96 Resp: 17938
Ion Ratio Lower Upper
96 100
61 132.3 88.5 164.4
68 0.0 0.1 0.3#





#23

Bromochloromethane

Concen: 0.896 ug/L

RT: 7.08 min Scan# 888

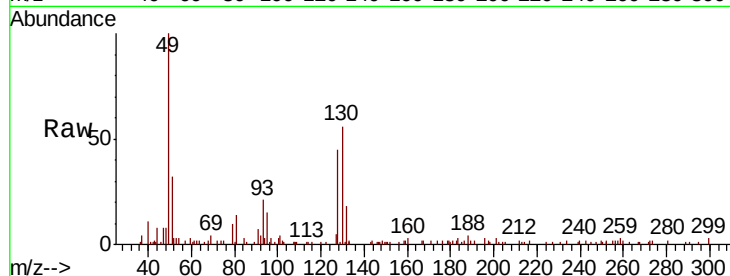
Delta R.T. -0.00 min

Lab File: VR026660.D

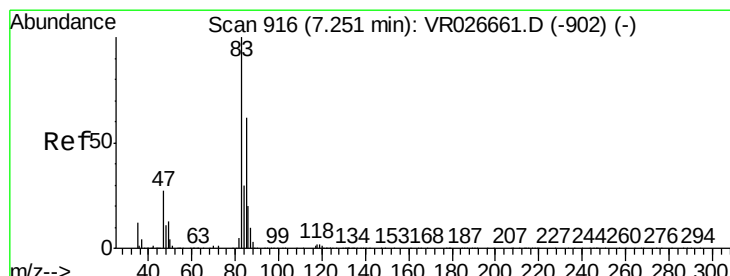
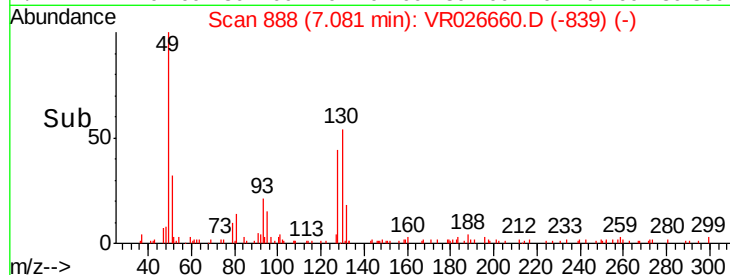
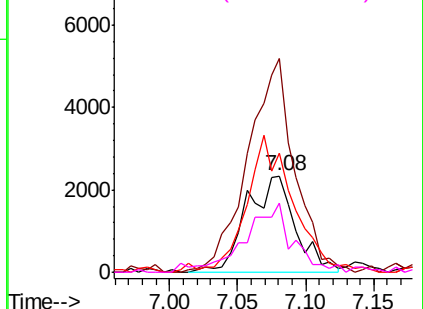
Acq: 11 Oct 2019 10:34

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	128	Resp:	5887
Ion	Ratio	Lower	Upper
128	100		
49	221.0	140.9	261.7
130	122.9	82.7	153.5
51	71.2	46.6	69.8#



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): V
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): V



#25

Chloroform

Concen: 1.056 ug/L

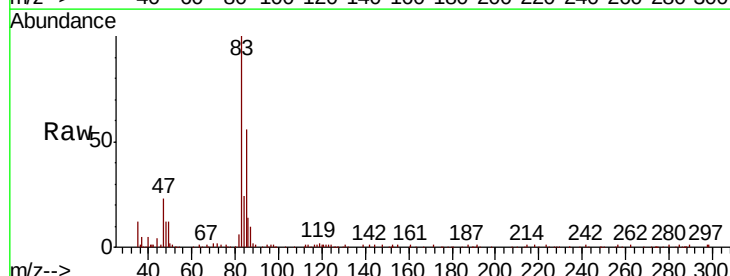
RT: 7.25 min Scan# 916

Delta R.T. -0.00 min

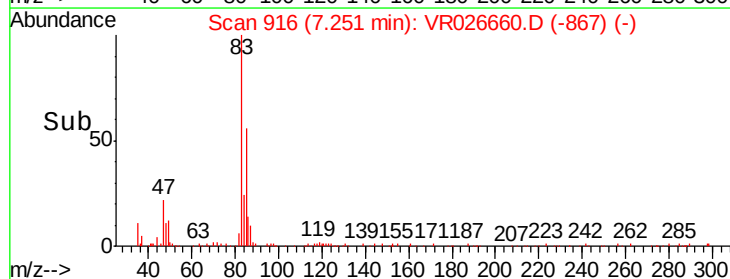
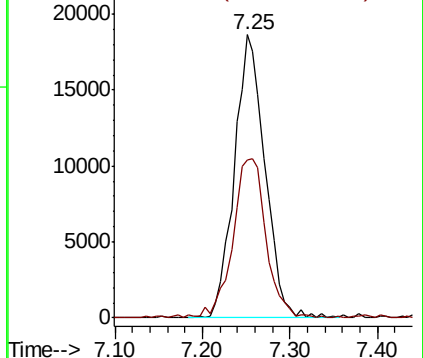
Lab File: VR026660.D

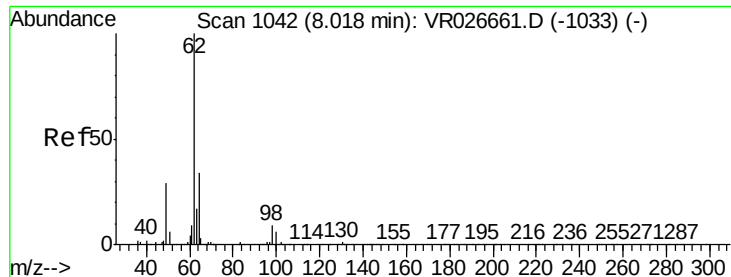
Acq: 11 Oct 2019 10:34

Tgt Ion:	83	Resp:	44993
Ion	Ratio	Lower	Upper
83	100		
85	55.6	43.3	80.3



Abundance Ion 83.05 (82.75 to 83.75): V
Ion 85.00 (84.70 to 85.70): V





#27

1,2-Dichloroethane

Concen: 0.985 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

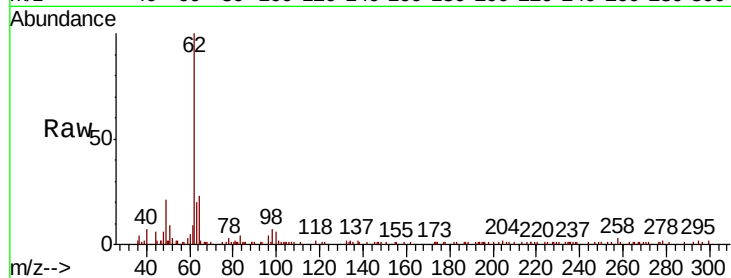
ClientSampleId :

Tot Ion: 62 Resp: 16053

Ion Ratio Lower Upper

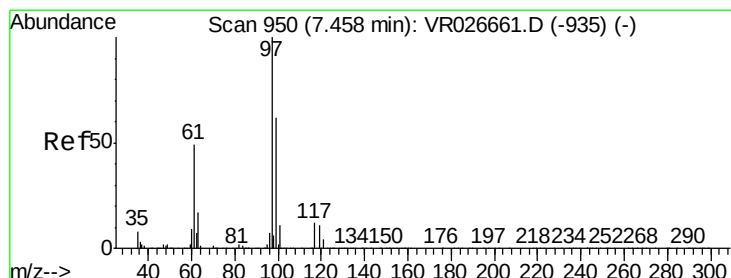
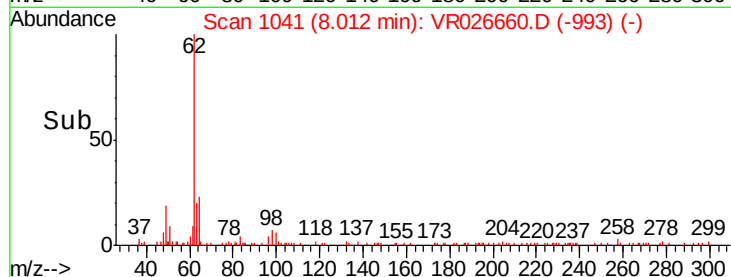
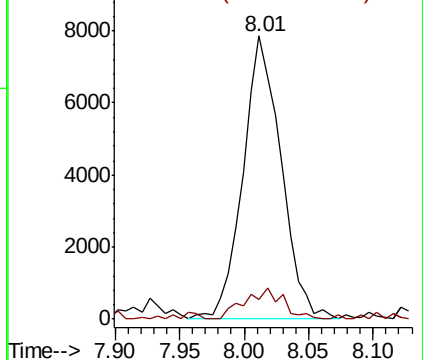
62 100

98 6.8 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0



#29

1,1,1-Trichloroethane

Concen: 1.009 ug/L

RT: 7.46 min Scan# 950

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

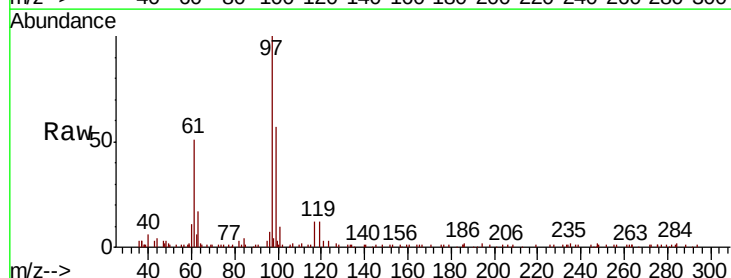
Tgt Ion: 97 Resp: 31051

Ion Ratio Lower Upper

97 100

99 62.1 51.2 76.8

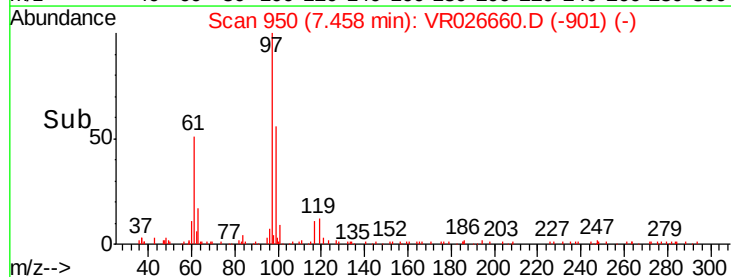
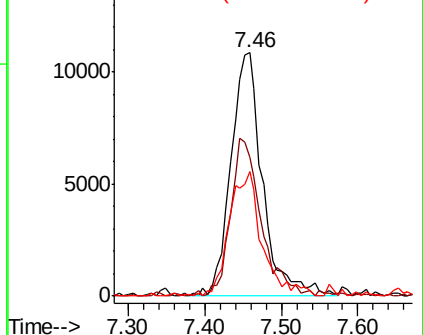
61 51.0 41.4 62.2

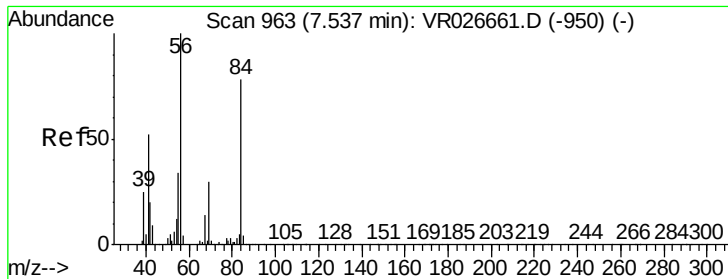


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0

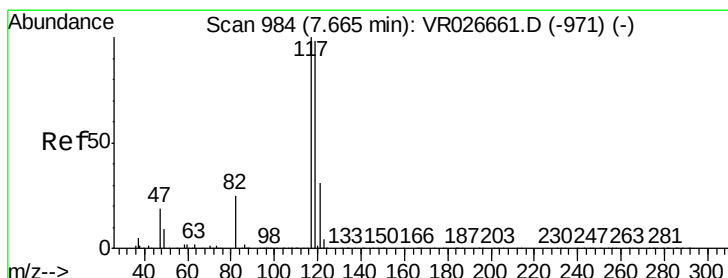
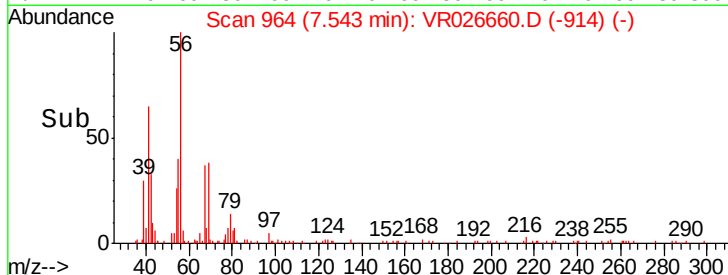
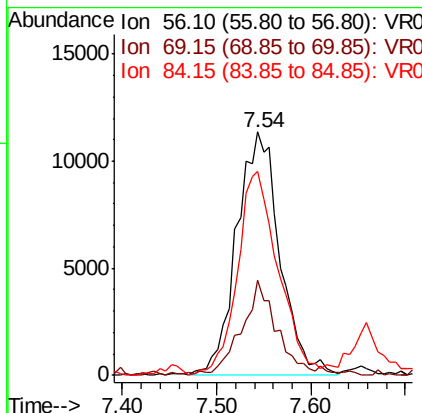
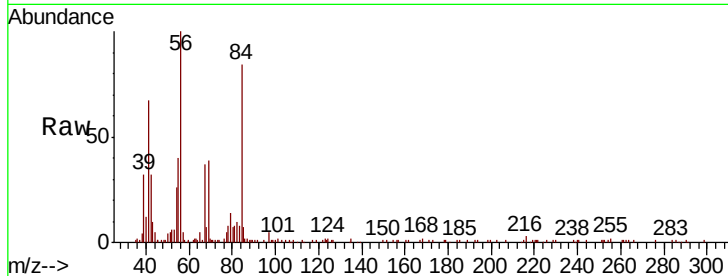




#30
Cyclohexane
Concen: 1.042 ug/L
RT: 7.54 min Scan# 964
Delta R.T. 0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

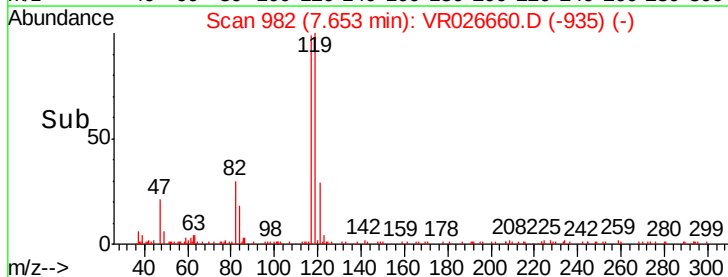
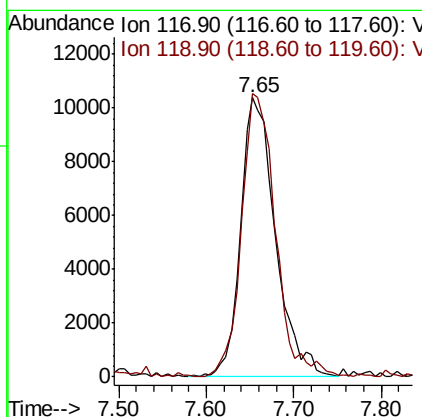
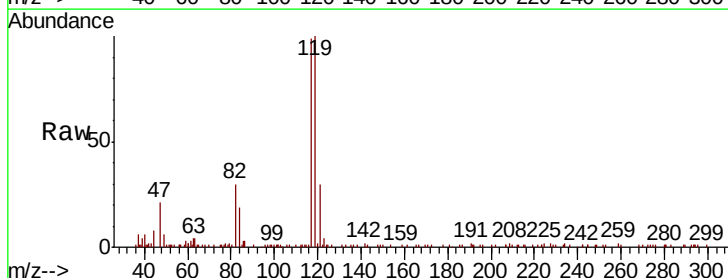
Instrument :
MSVOA_R
ClientSampled :

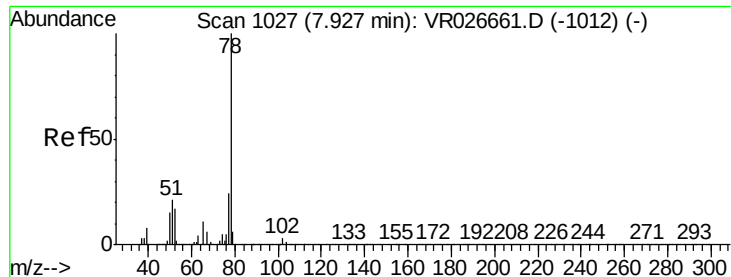
Tot Ion: 56 Resp: 36445
Ion Ratio Lower Upper
56 100
69 32.1 24.6 37.0
84 79.0 61.4 92.2



#31
Carbon tetrachloride
Concen: 1.006 ug/L
RT: 7.65 min Scan# 982
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion: 117 Resp: 28769
Ion Ratio Lower Upper
117 100
119 99.1 76.8 115.2





#33

Benzene

Concen: 1.014 ug/L

RT: 7.93 min Scan# 1027

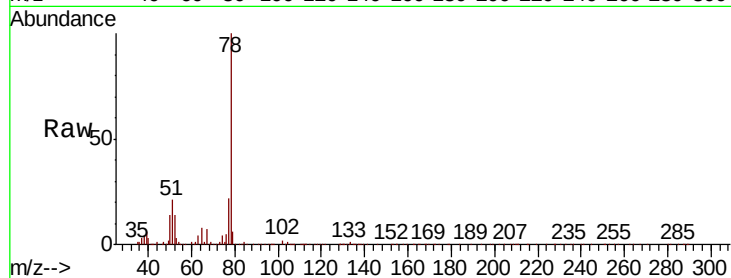
Delta R.T. -0.00 min

Lab File: VR026660.D

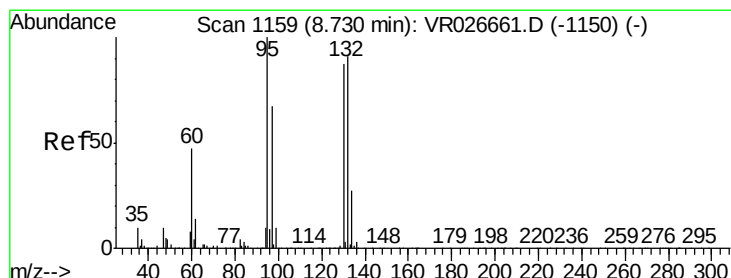
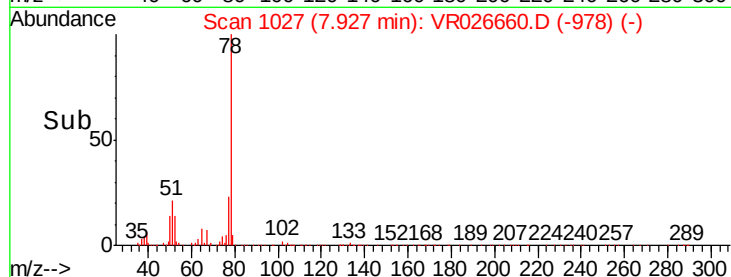
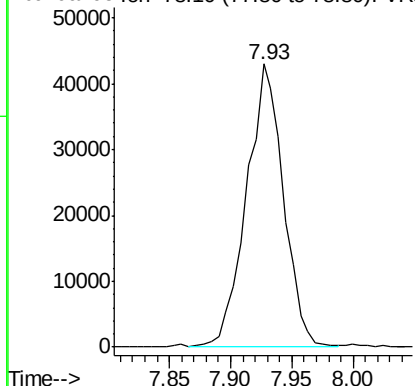
Acq: 11 Oct 2019 10:34

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 78 Resp: 89102



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 1.006 ug/L

RT: 8.72 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Tgt Ion: 95 Resp: 23228

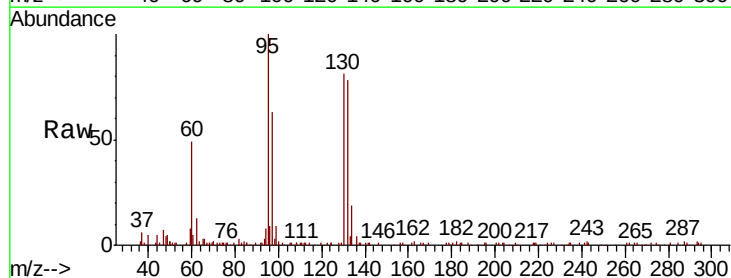
Ion	Ratio	Lower	Upper
95	100		
97	63.1	47.3	87.9
132	77.6	64.0	118.8
130	80.9	61.1	113.5

95 100

97 63.1 47.3 87.9

132 77.6 64.0 118.8

130 80.9 61.1 113.5

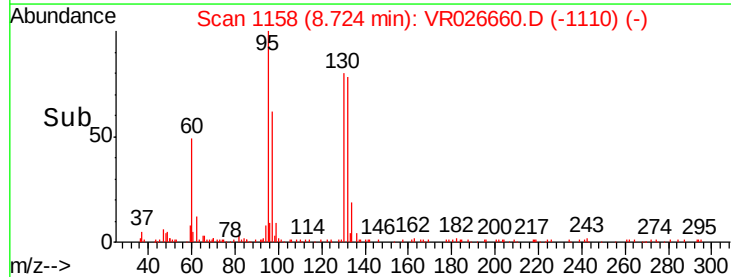
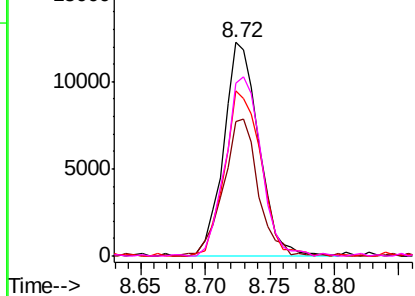


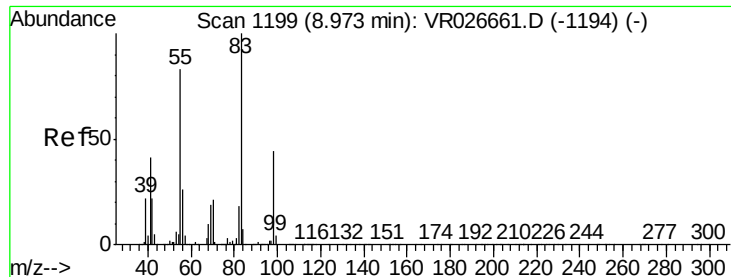
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

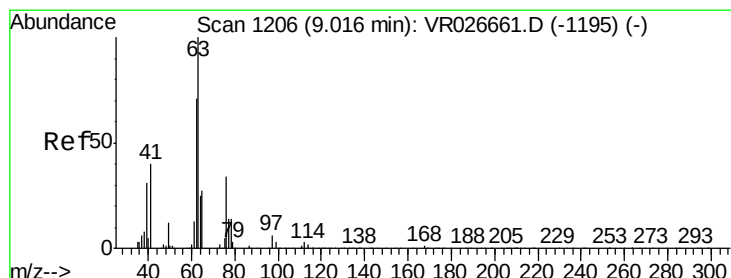
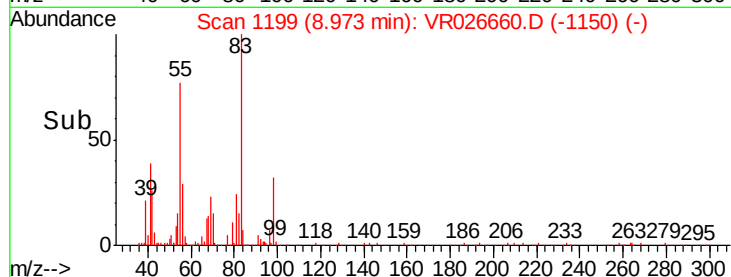
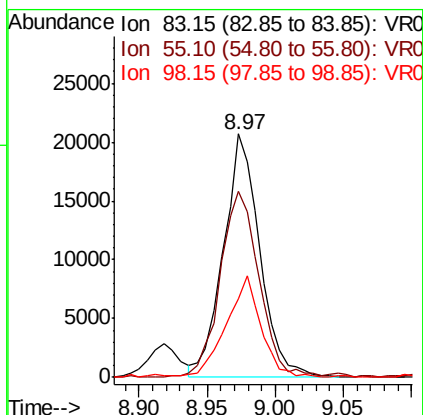
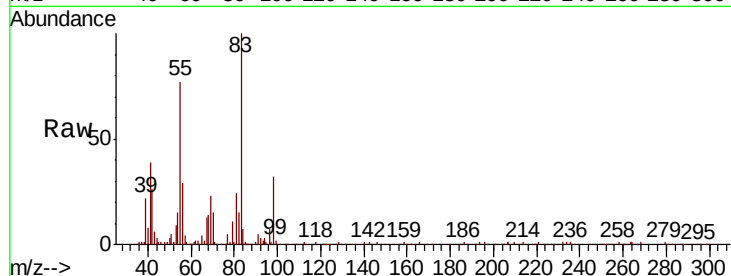




#35
Methylcyclohexane
Concen: 1.114 ug/L
RT: 8.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

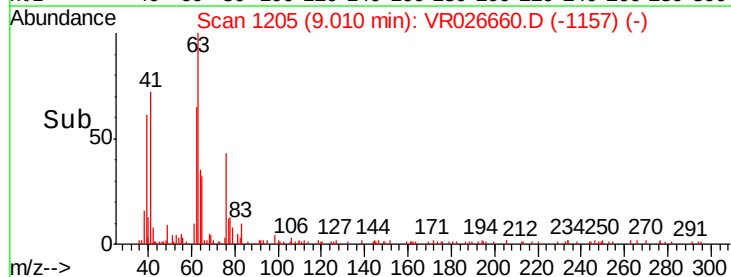
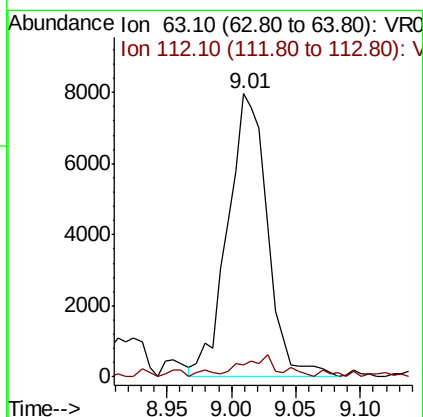
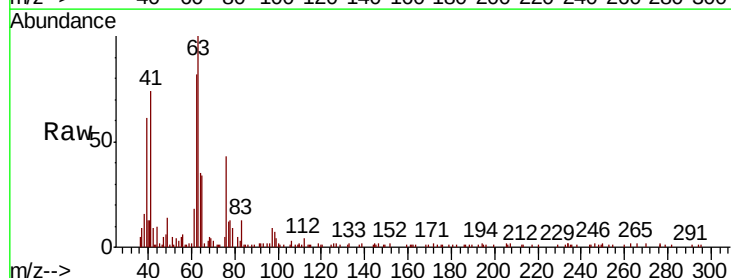
Instrument :
MSVOA_R
ClientSampleId :

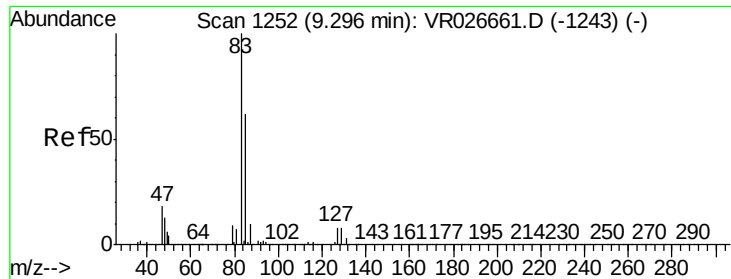
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	67.8	101.6
98	39.4	35.0	52.4



#37
1,2-Dichloropropane
Concen: 0.969 ug/L
RT: 9.01 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion	Ratio	Lower	Upper
63	100		
112	5.6	2.4	3.6#





#38

Bromodichloromethane

Concen: 0.947 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

ClientSampleId :

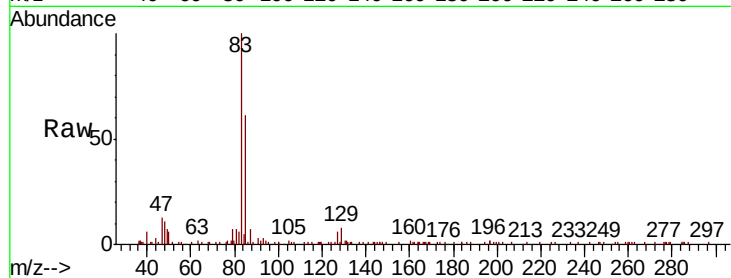
Tot Ion: 83 Resp: 18652

Ion Ratio Lower Upper

83 100

85 61.0 43.5 80.7

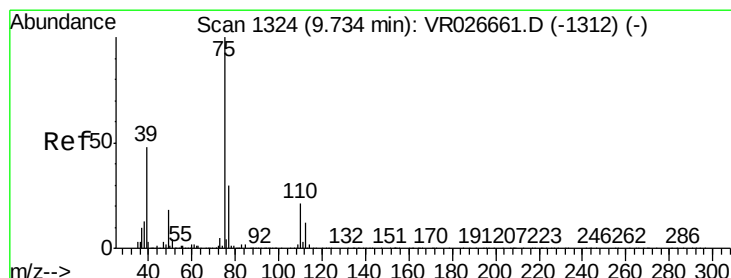
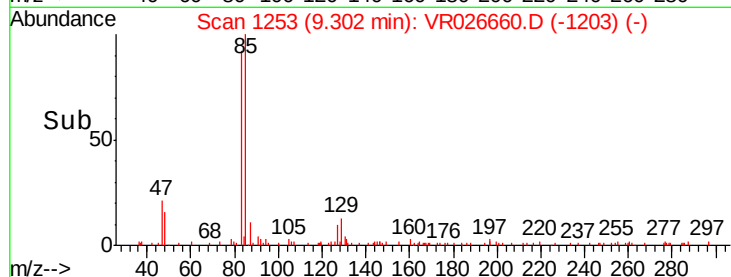
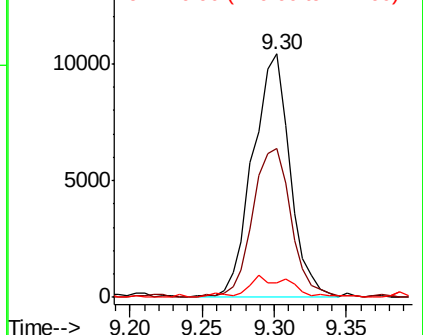
127 5.9 6.2 9.2#



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): VR0



#39

cis-1,3-Dichloropropene

Concen: 0.793 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VR026660.D

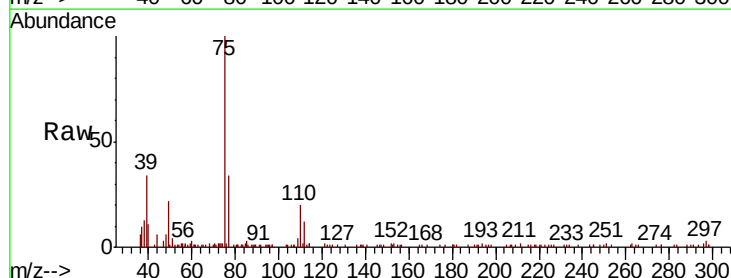
Acq: 11 Oct 2019 10:34

Tgt Ion: 75 Resp: 15312

Ion Ratio Lower Upper

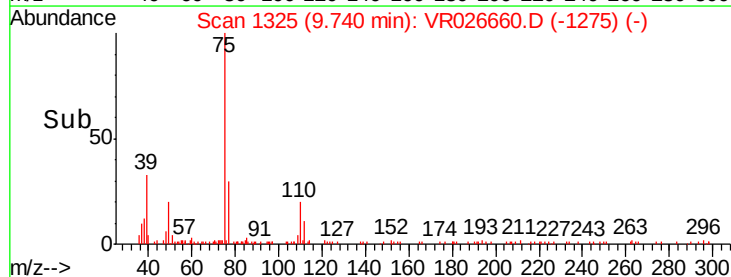
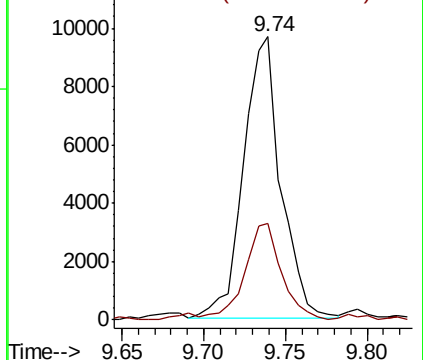
75 100

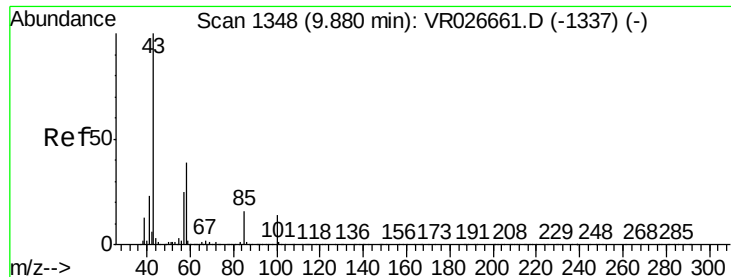
77 34.2 20.9 38.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

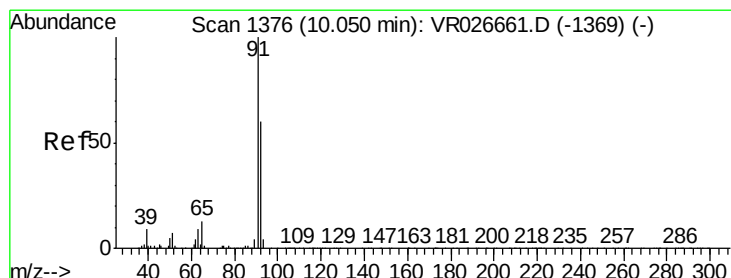
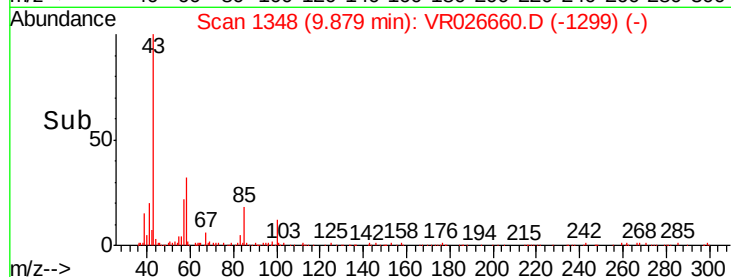
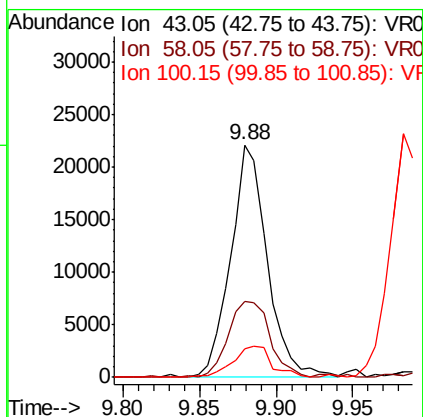
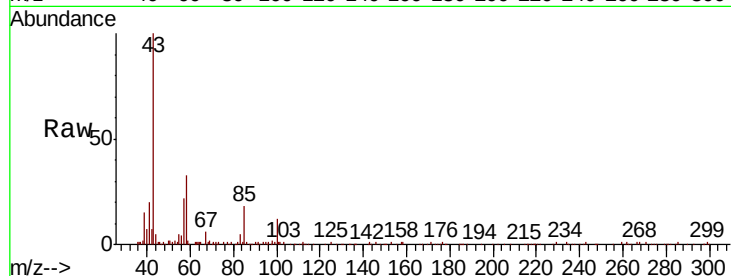




#40
4-Methyl-2-pentanone
Concen: 8.824 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

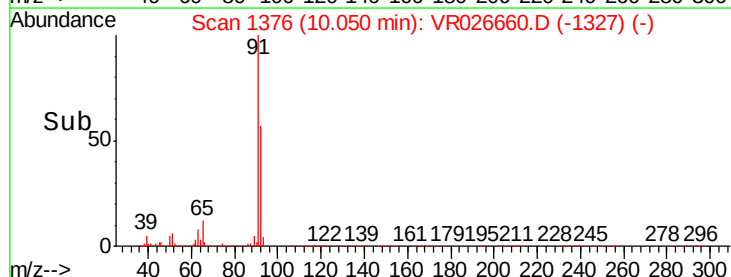
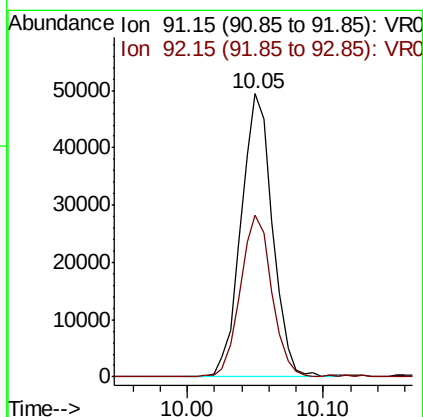
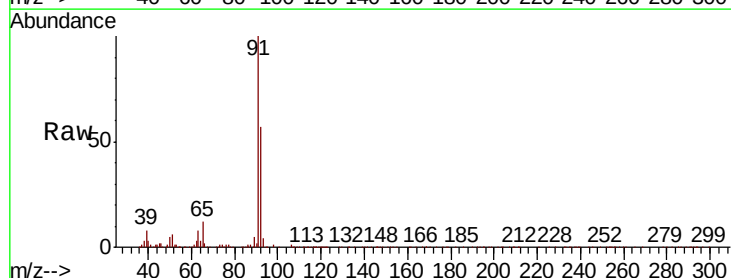
Instrument :
MSVOA_R
ClientSampled :

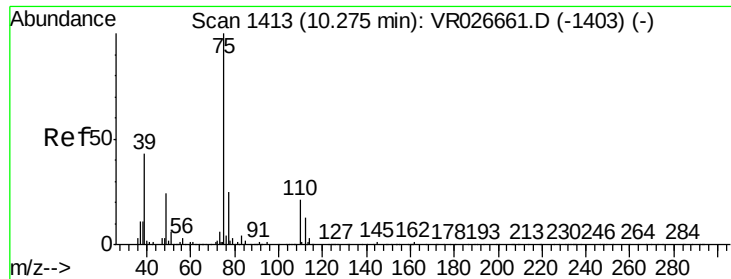
Tot Ion: 43 Resp: 36678
Ion Ratio Lower Upper
43 100
58 37.0 32.2 48.2
100 14.3 10.8 16.2



#42
Toluene
Concen: 1.023 ug/L
RT: 10.05 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion: 91 Resp: 79867
Ion Ratio Lower Upper
91 100
92 57.1 42.4 78.6





#44

trans-1,3-Dichloropropene

Concen: 0.907 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

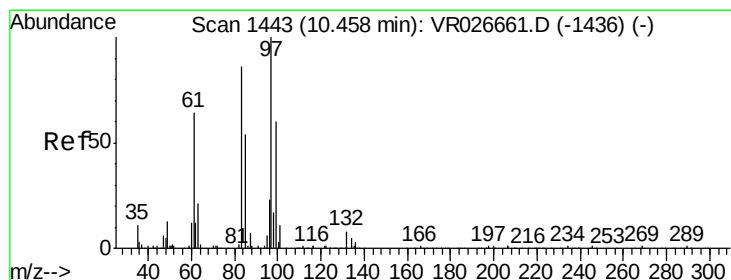
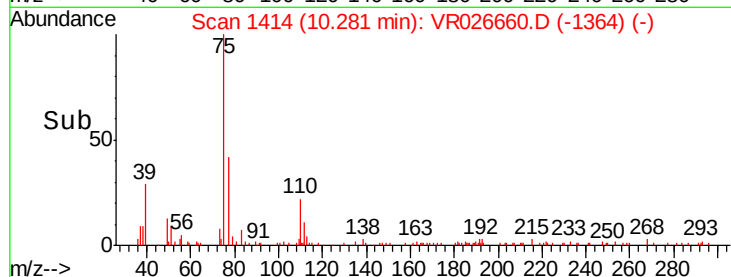
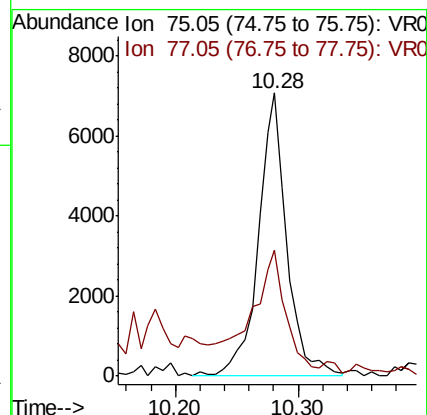
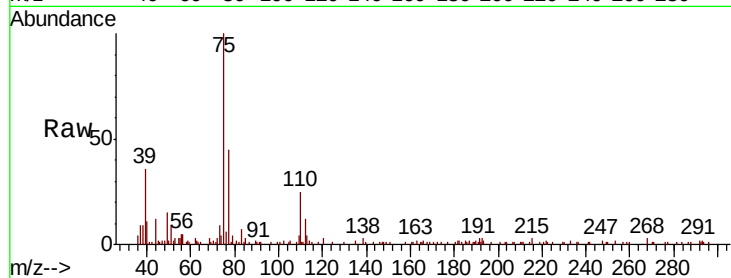
ClientSampleId :

Tot Ion: 75 Resp: 11439

Ion Ratio Lower Upper

75 100

77 44.7 19.8 36.8#



#45

1,1,2-Trichloroethane

Concen: 1.005 ug/L

RT: 10.46 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Tgt Ion: 97 Resp: 8328

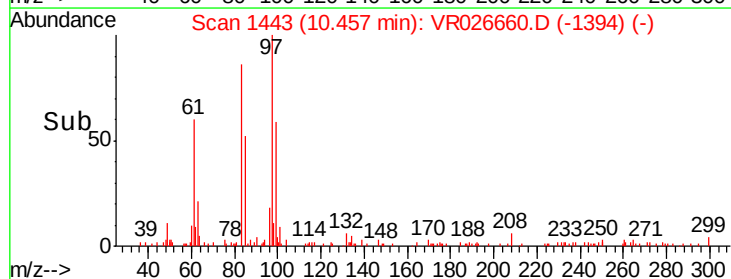
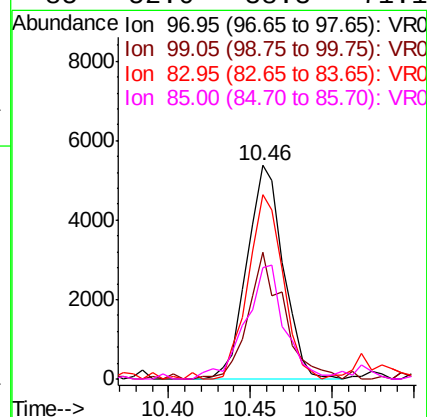
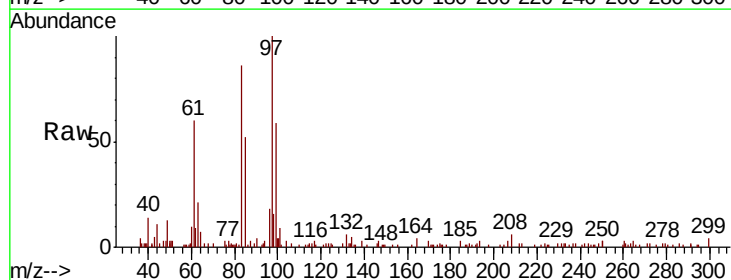
Ion Ratio Lower Upper

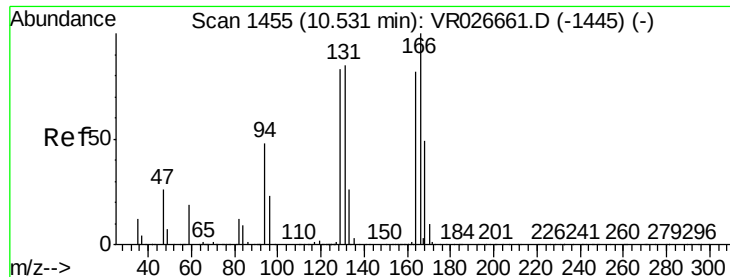
97 100

99 59.2 42.4 78.6

83 86.1 60.3 112.1

85 52.0 38.3 71.1

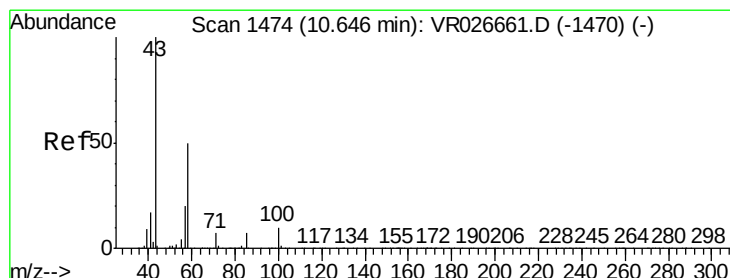
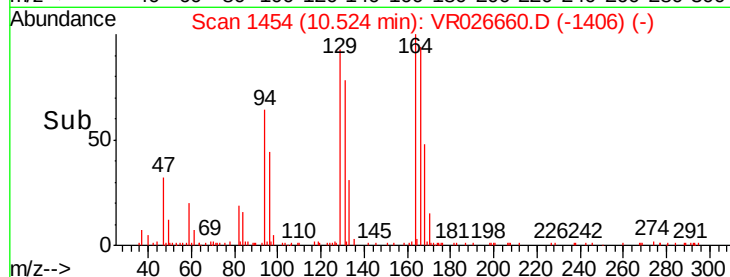
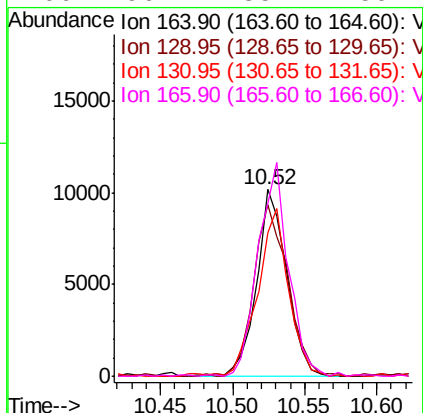
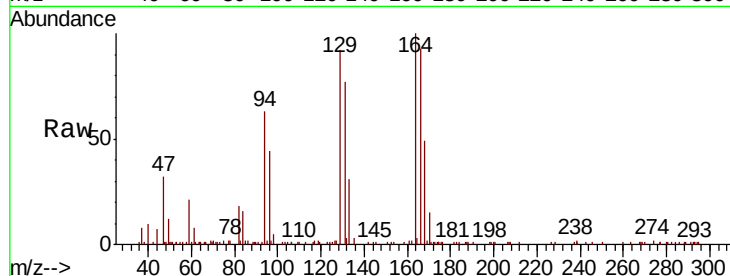




#47
Tetrachloroethene
Concen: 1.025 ug/L
RT: 10.52 min Scan# 1454
Delta R.T. -0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

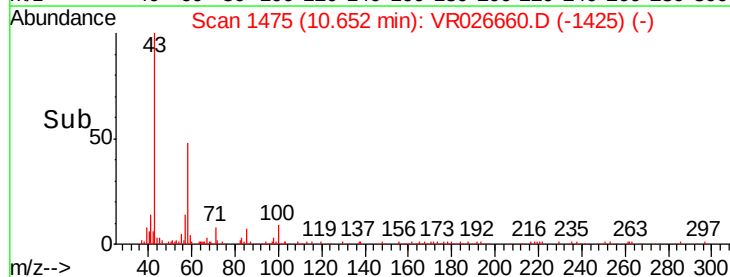
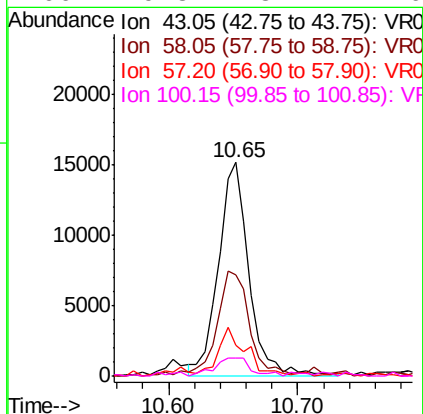
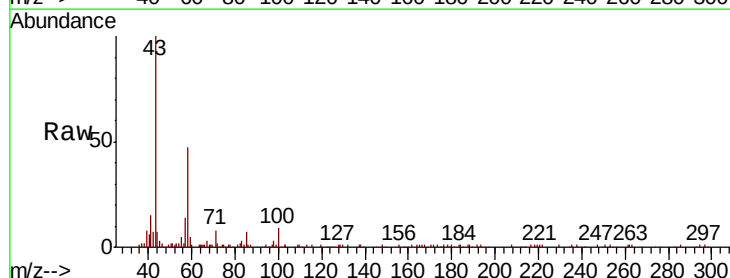
Instrument :
MSVOA_R
ClientSampleId :

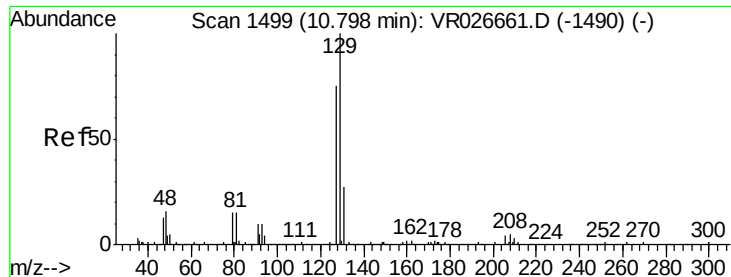
Tot Ion	Ratio	Lower	Upper
164	100		
129	89.4	71.4	132.6
131	75.0	73.1	135.7
166	90.4	85.7	159.1



#48
2-Hexanone
Concen: 9.081 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.5	45.0	67.4
57	20.4	16.2	24.4
100	9.8	8.4	12.6





#49

Dibromochloromethane

Concen: 0.945 ug/L

RT: 10.79 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

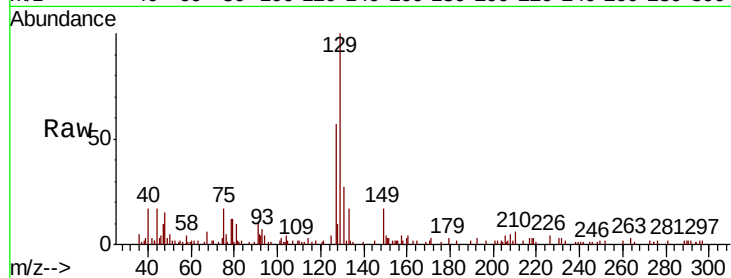
ClientSampled :

Tot Ion:129 Resp: 8354

Ion Ratio Lower Upper

129 100

127 57.2 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

10.79

5000

4000

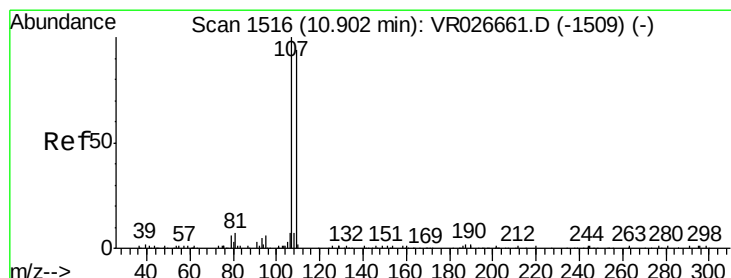
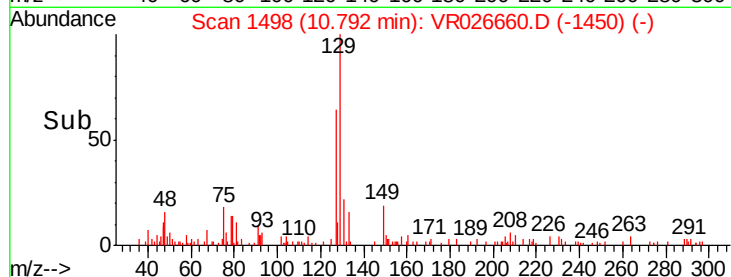
3000

2000

1000

0

Time-->



#50

1,2-Dibromoethane

Concen: 0.895 ug/L

RT: 10.90 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

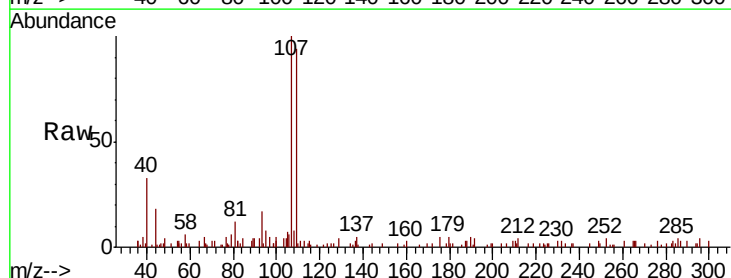
Tgt Ion:107 Resp: 6142

Ion Ratio Lower Upper

107 100

109 94.0 66.9 124.3

188 3.0 1.8 2.6#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

10.90

5000

4000

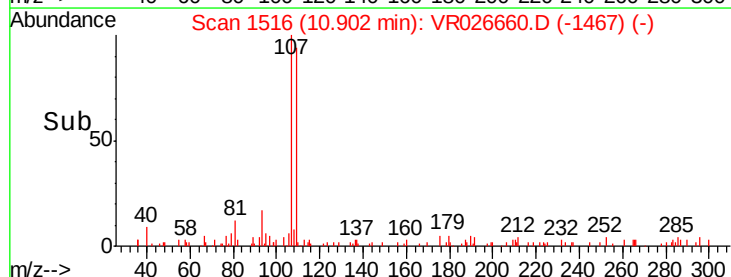
3000

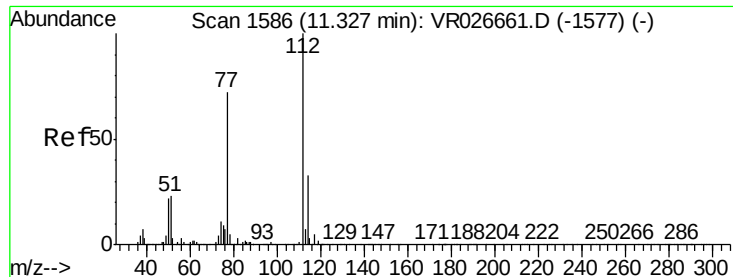
2000

1000

0

Time-->





#51

Chlorobenzene

Concen: 0.978 ug/L

RT: 11.33 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VR026660.D

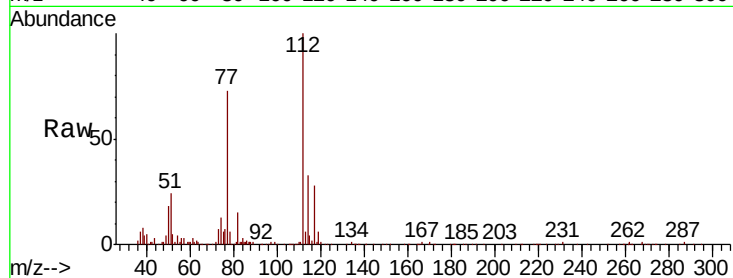
Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

ClientSampleId :

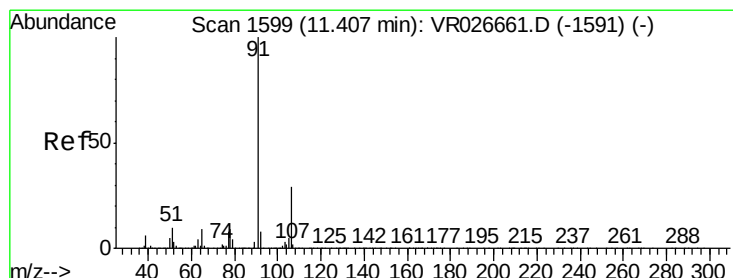
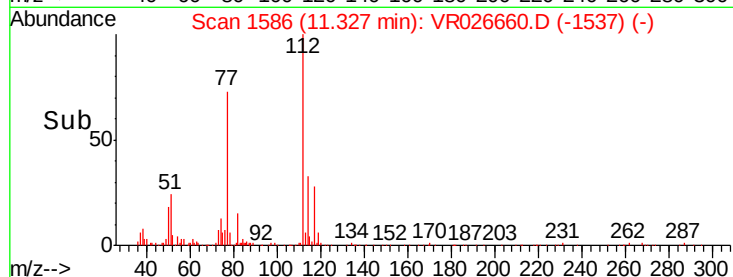
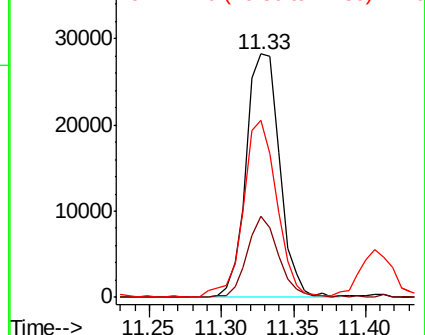
Tot Ion:	112	Resp:	45420
Ion	Ratio	Lower	Upper
112	100		
114	33.1	23.1	42.9
77	72.6	57.2	85.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 0.975 ug/L

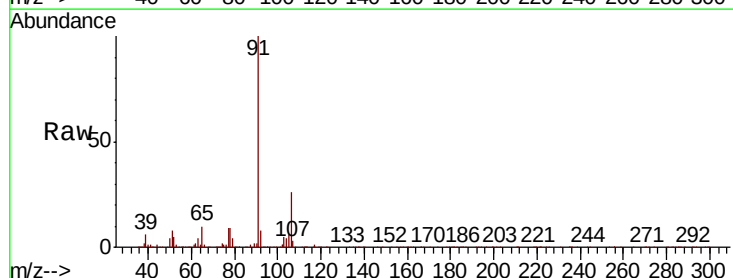
RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026660.D

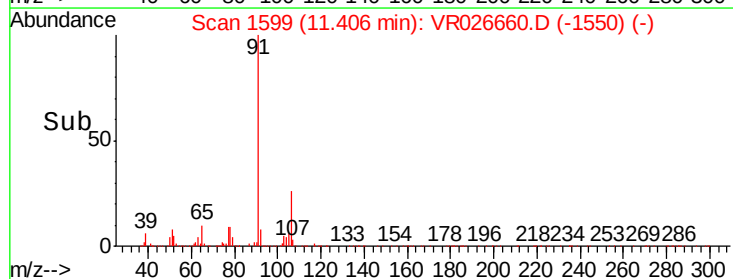
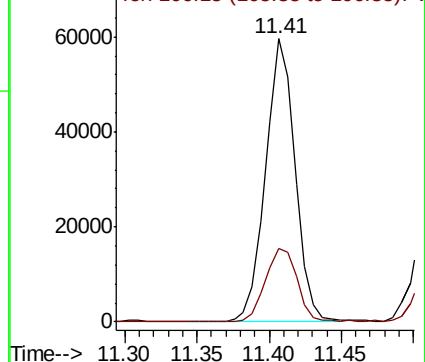
Acq: 11 Oct 2019 10:34

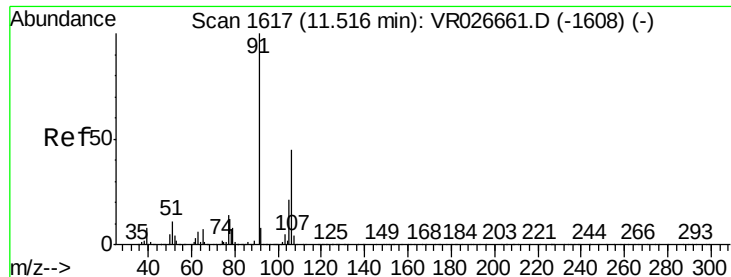
Tgt Ion:	91	Resp:	84167
Ion	Ratio	Lower	Upper
91	100		
106	26.1	20.6	38.2



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.930 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

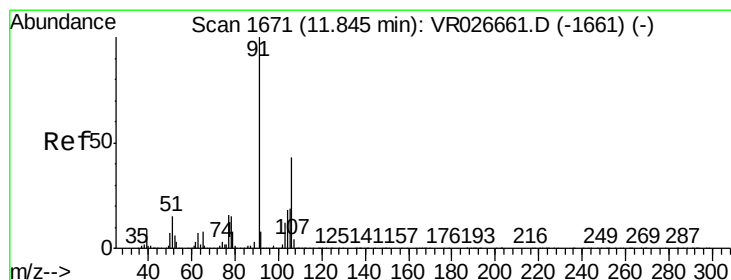
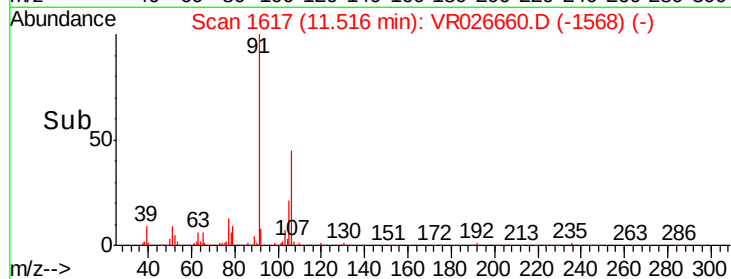
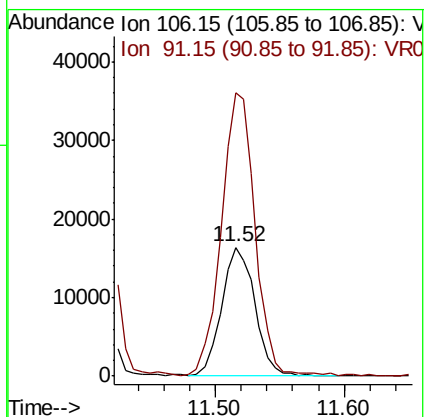
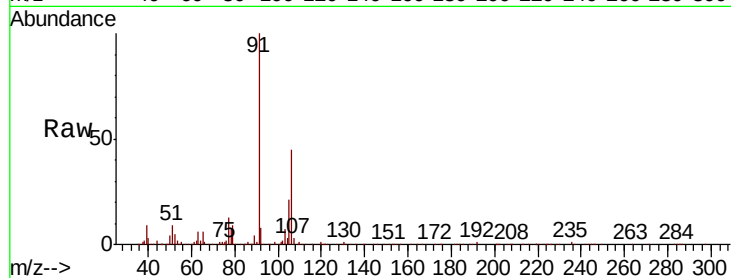
ClientSampleId :

Tot Ion:106 Resp: 29621

Ion Ratio Lower Upper

106 100

91 220.3 157.0 291.6



#54

o-Xylene

Concen: 0.933 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026660.D

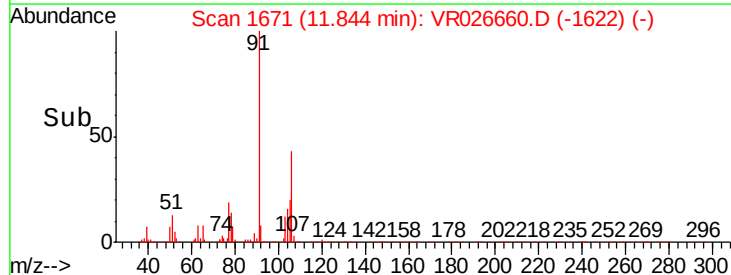
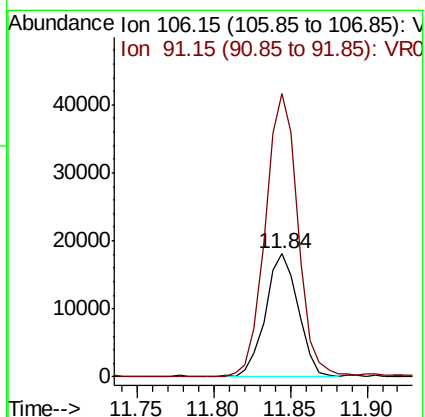
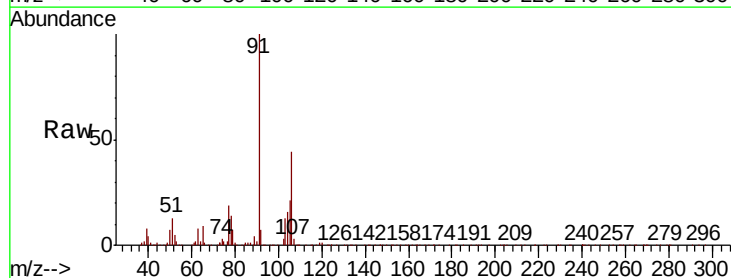
Acq: 11 Oct 2019 10:34

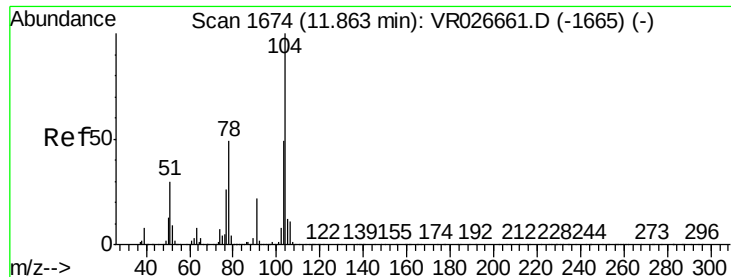
Tgt Ion:106 Resp: 27209

Ion Ratio Lower Upper

106 100

91 229.6 164.5 305.5





#55

Stvrene

Concen: 0.922 ug/L

RT: 11.86 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

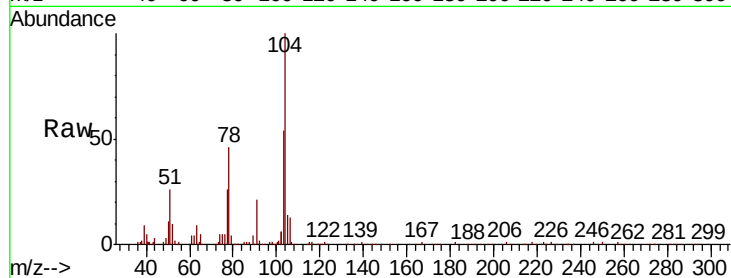
ClientSampleId :

Tot Ion:104 Resp: 38837

Ion Ratio Lower Upper

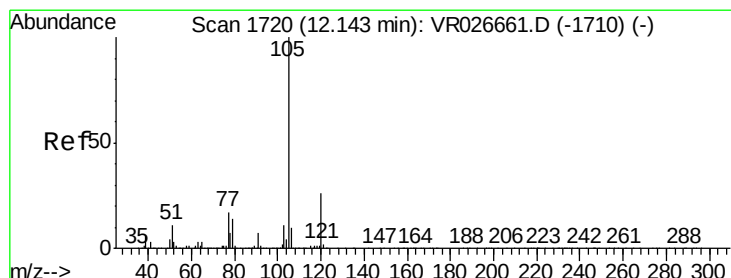
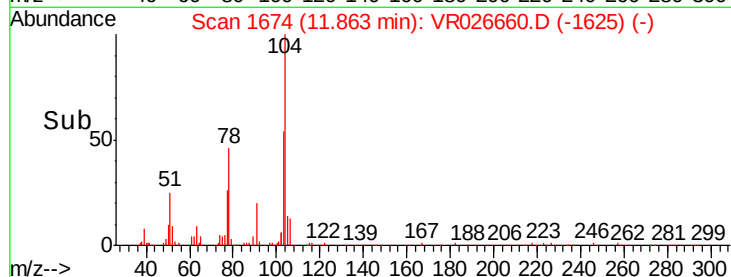
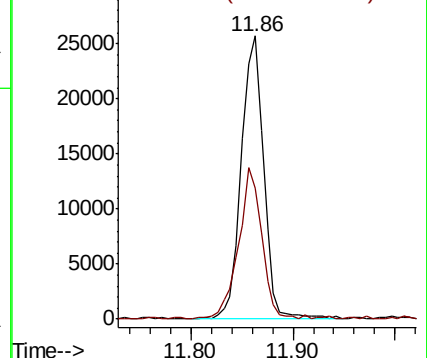
104 100

78 46.5 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.928 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

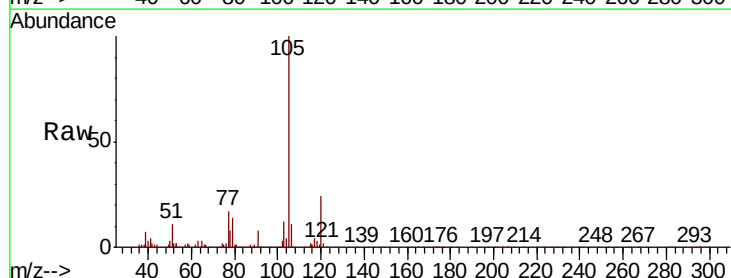
Tgt Ion:105 Resp: 79604

Ion Ratio Lower Upper

105 100

120 26.3 20.4 30.6

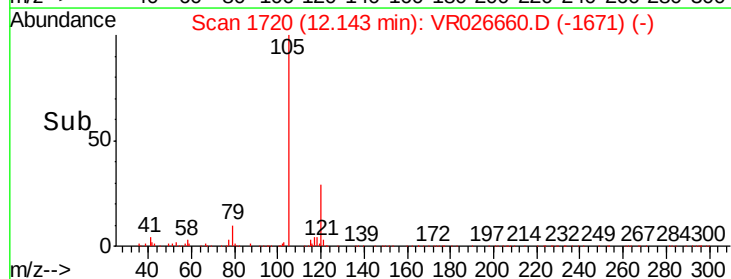
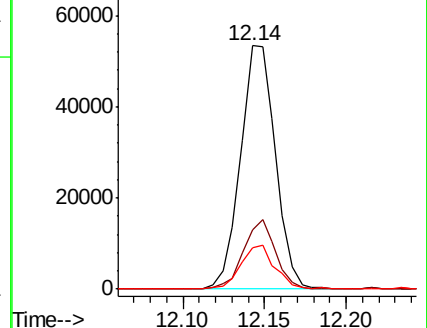
77 17.6 13.8 20.6

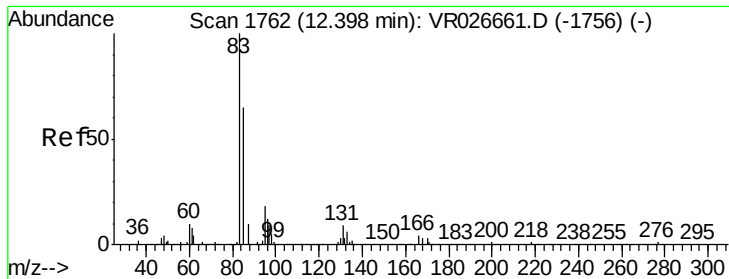


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0

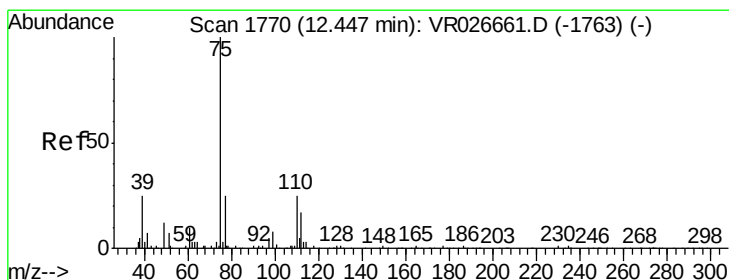
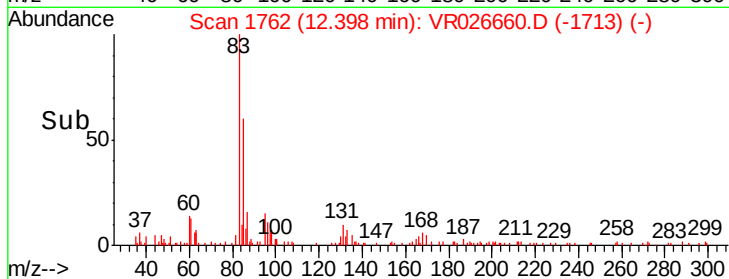
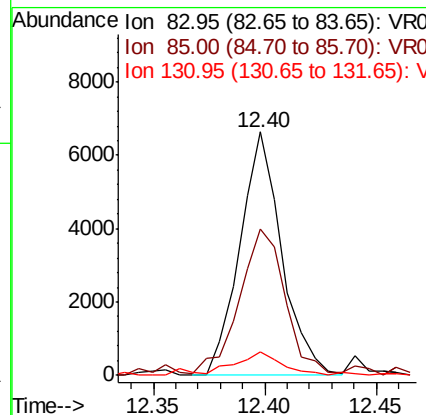
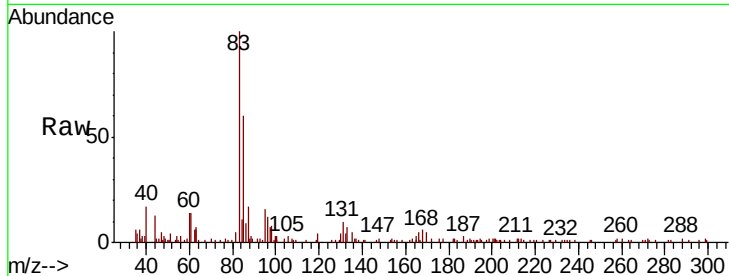




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.994 ug/L
 RT: 12.40 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

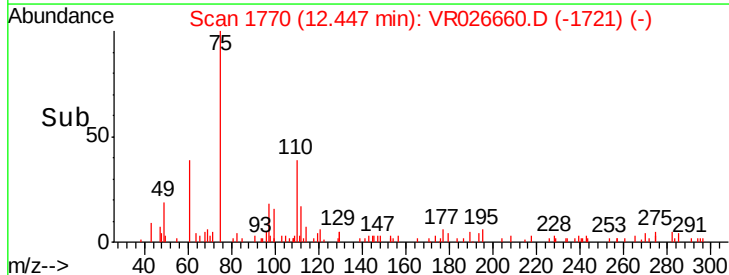
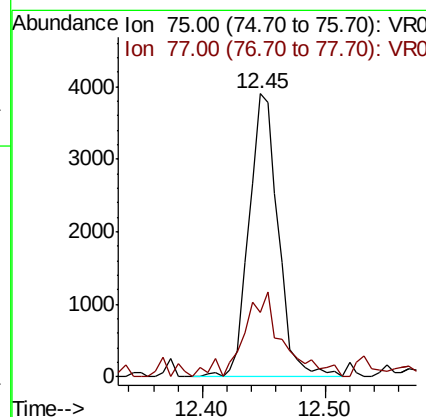
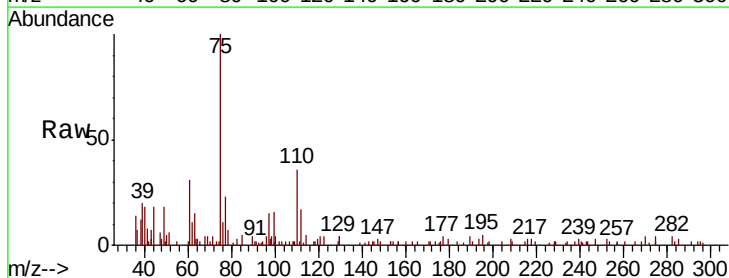
Instrument :
 MSVOA_R
 ClientSampleId :

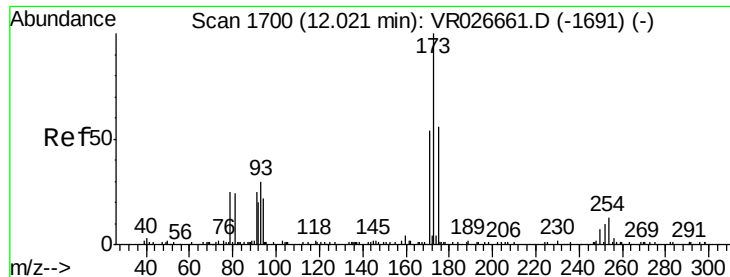
Tot Ion	83	Resp	8658
Ion	Ratio	Lower	Upper
83	100		
85	60.2	46.2	85.8
131	9.5	7.4	11.0



#59
 1,2,3-Trichloropropane
 Concen: 0.990 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

Tgt Ion	75	Resp	6451
Ion	Ratio	Lower	Upper
75	100		
77	38.1	25.0	37.6#





#61

Bromoform

Concen: 0.928 ug/L

RT: 12.02 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

Instrument :

MSVOA_R

ClientSampled :

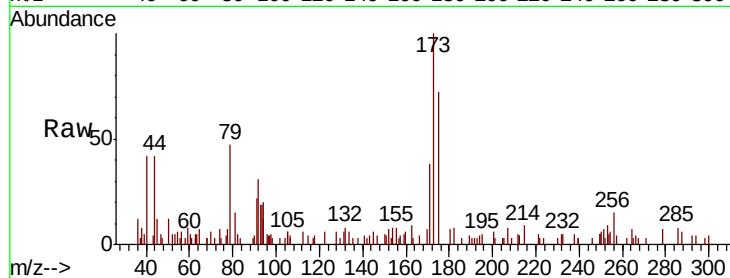
Tot Ion:173 Resp: 3381

Ion Ratio Lower Upper

173 100

175 51.3 42.0 63.0

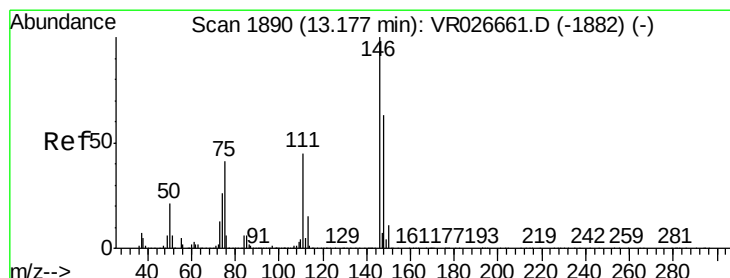
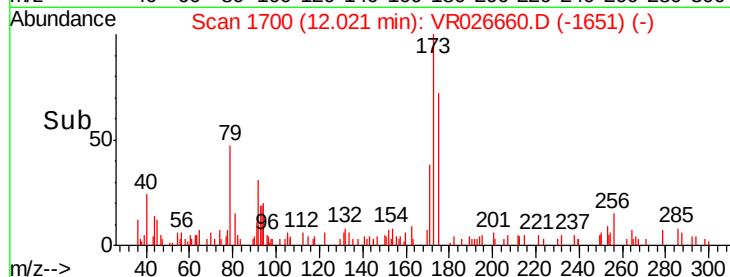
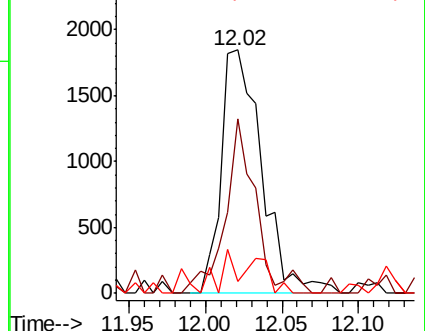
254 6.6 10.5 15.7#



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: 0.920 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026660.D

Acq: 11 Oct 2019 10:34

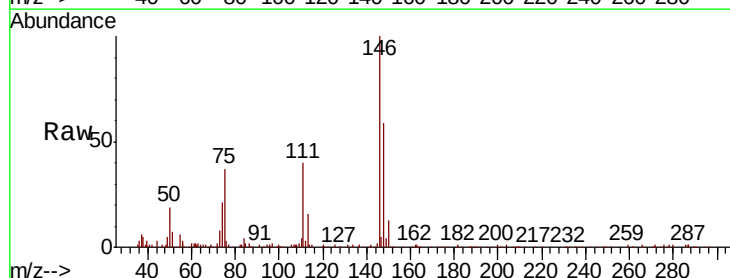
Tgt Ion:146 Resp: 29635

Ion Ratio Lower Upper

146 100

111 39.8 31.8 59.0

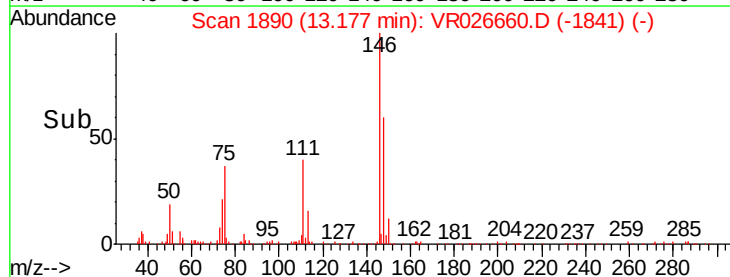
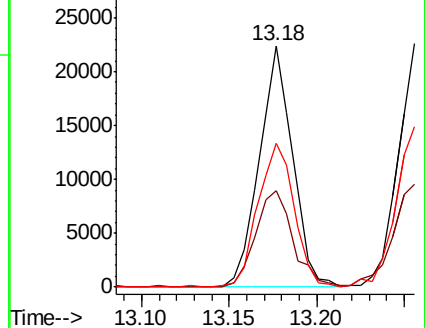
148 59.4 43.8 81.4

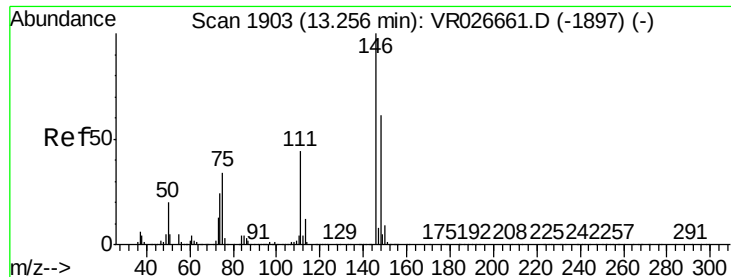


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

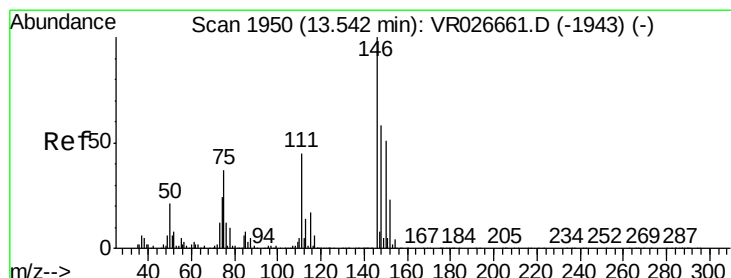
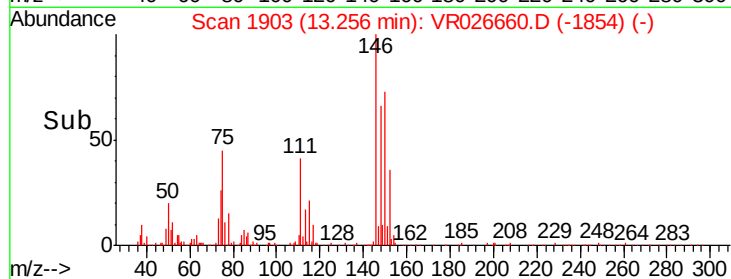
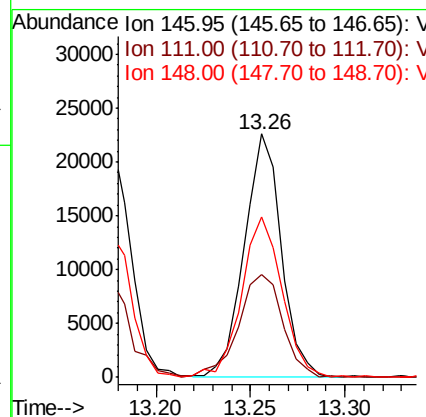
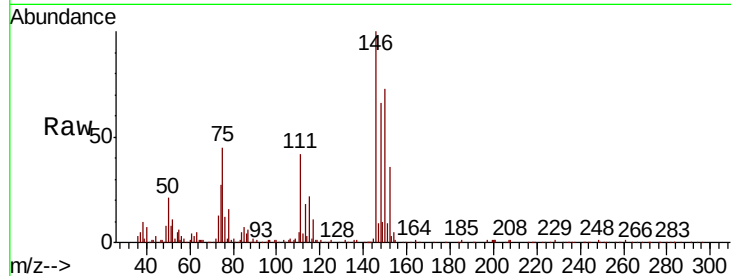




#63
1,4-Dichlorobenzene
Concen: 0.940 ug/L
RT: 13.26 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

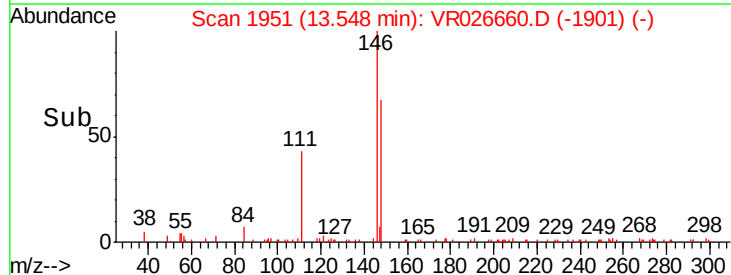
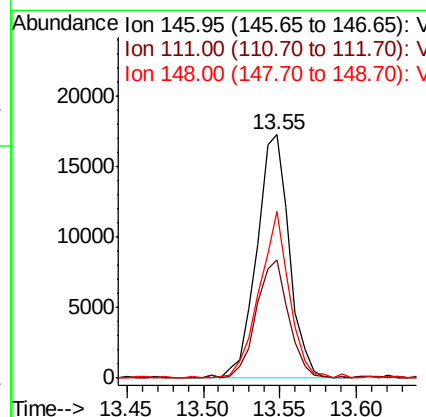
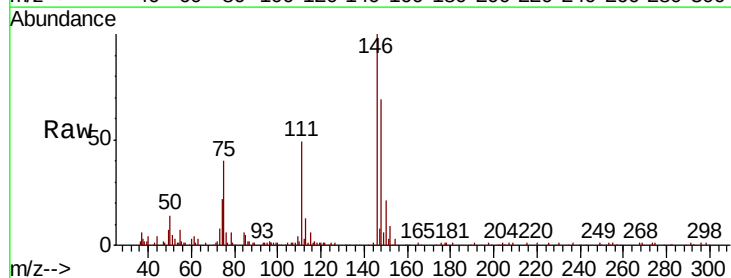
Instrument :
MSVOA_R
ClientSampled :

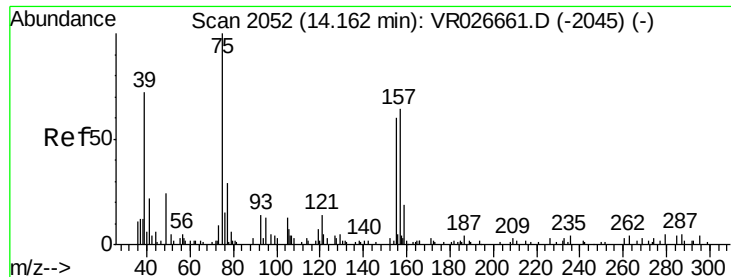
Tot Ion:146 Resp: 30795
Ion Ratio Lower Upper
146 100
111 42.0 30.5 56.7
148 65.9 43.1 80.1



#65
1,2-Dichlorobenzene
Concen: 0.919 ug/L
RT: 13.55 min Scan# 1951
Delta R.T. 0.01 min
Lab File: VR026660.D
Acq: 11 Oct 2019 10:34

Tgt Ion:146 Resp: 25505
Ion Ratio Lower Upper
146 100
111 48.6 36.4 54.6
148 68.6 46.6 70.0

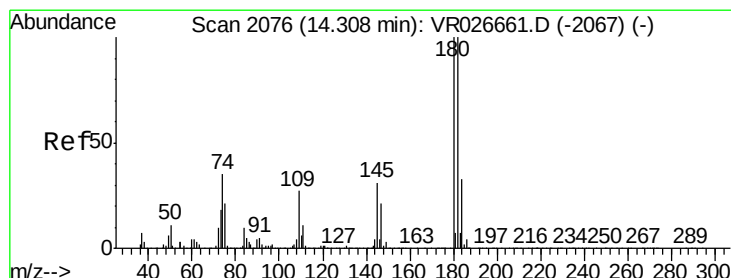
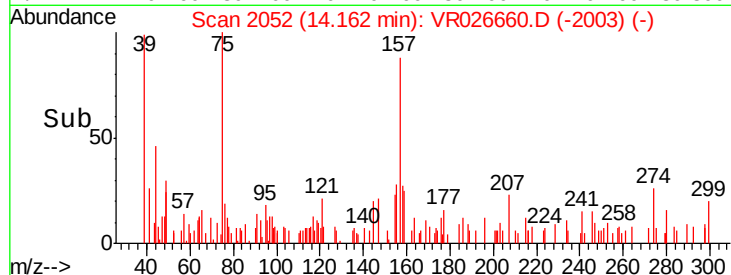
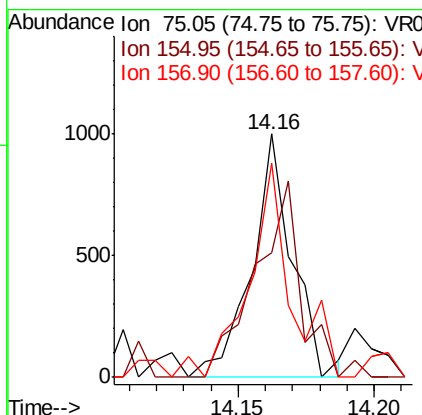
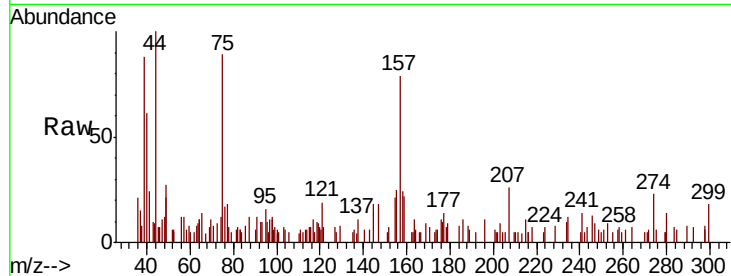




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.651 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

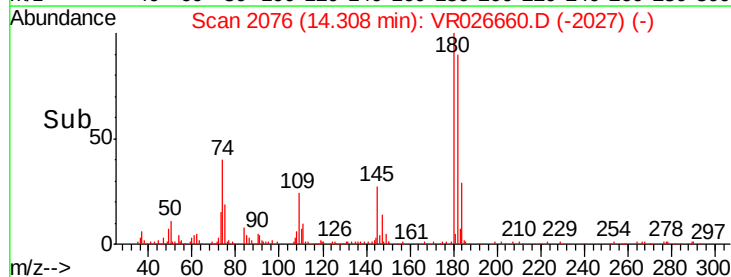
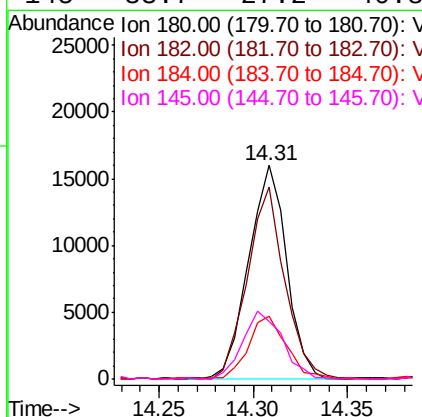
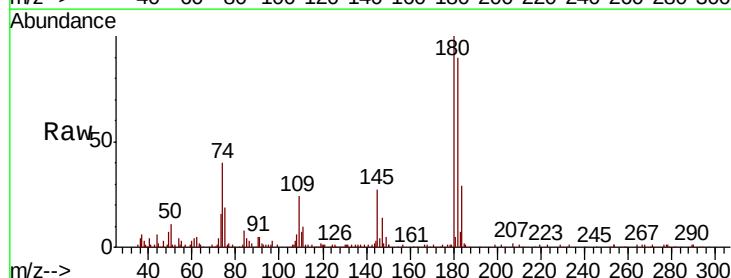
Instrument :
 MSVOA_R
 ClientSampleId :

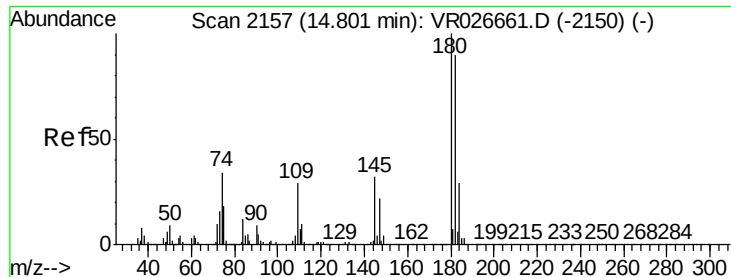
Tot Ion: 75 Resp: 1033
 Ion Ratio Lower Upper
 75 100
 155 51.0 48.3 72.5
 157 88.0 50.9 76.3#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.901 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

Tgt Ion: 180 Resp: 22279
 Ion Ratio Lower Upper
 180 100
 182 89.6 78.2 117.4
 184 29.5 25.7 38.5
 145 33.7 27.2 40.8

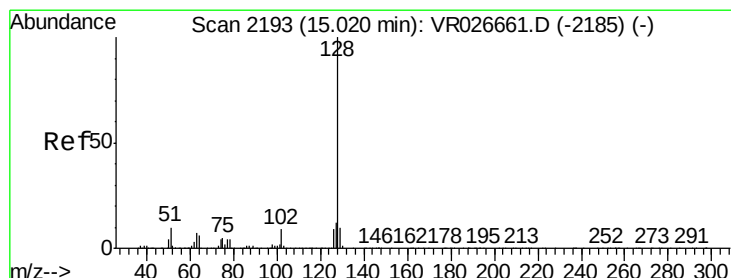
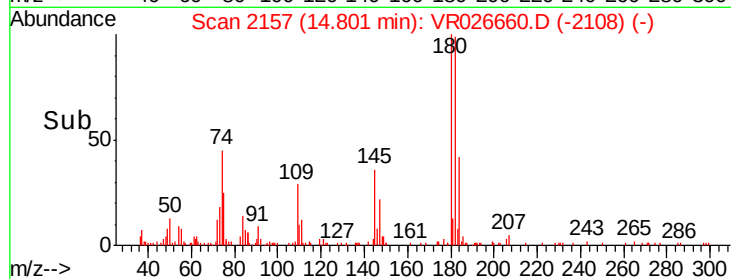
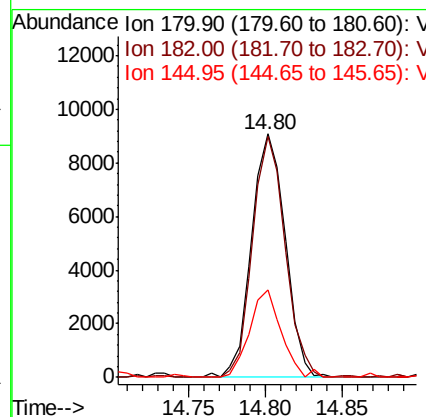
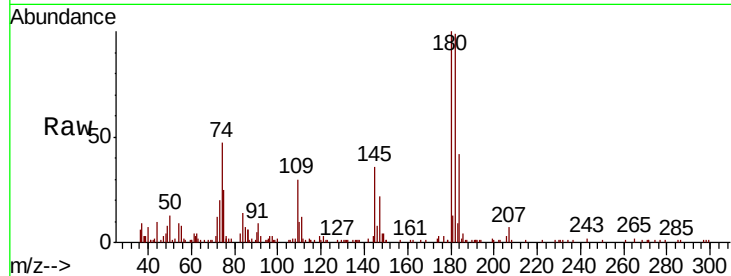




#68
 1,2,4-trichlorobenzene
 Concen: 0.736 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

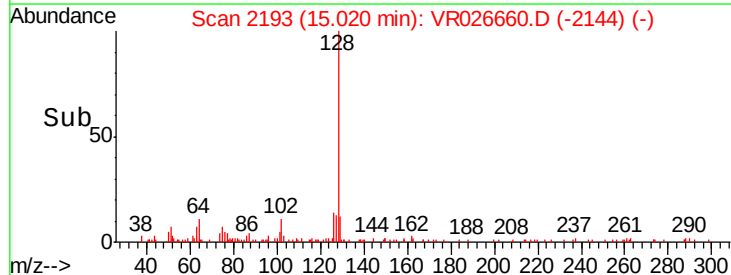
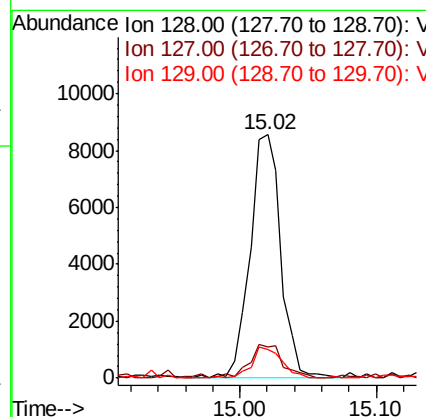
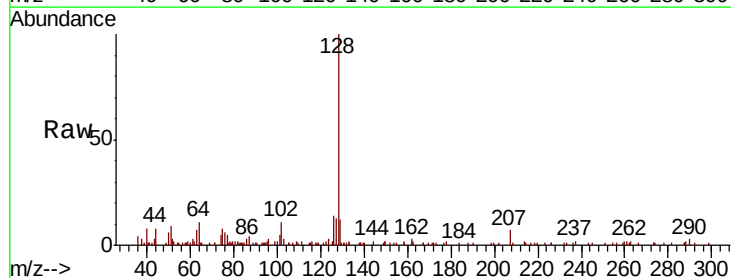
Instrument :
 MSVOA_R
 ClientSampleId :

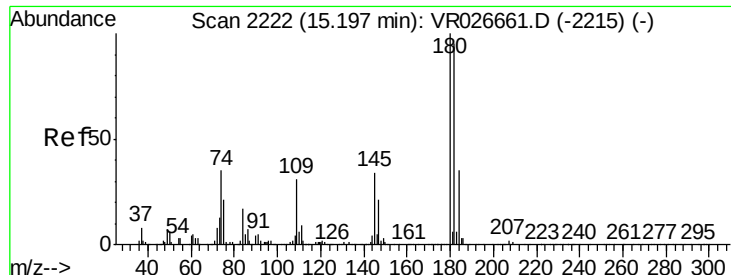
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.2	112.8
145	33.7	26.2	39.2



#69
 Naphthalene
 Concen: 0.633 ug/L
 RT: 15.02 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.5	15.7
129	12.3	8.6	12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 0.789 ug/L
 RT: 15.20 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: VR026660.D
 Acq: 11 Oct 2019 10:34

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	13360
Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.1	114.1
145	35.7	28.0	42.0

