

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026664.D
 Acq On : 11 Oct 2019 13:54
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 06:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 05:53:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	246936	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	188705	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	89865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	66024	4.41	ug/L	0.00
7) Chloroethane-d5	2.64	69	54448	4.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.66	63	157412	4.53	ug/L	0.00
20) 2-Butanone-d5	6.62	46	87719	41.68	ug/L	0.00
24) Chloroform-d	7.22	84	192802	4.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	66038	4.30	ug/L	0.00
32) Benzene-d6	7.88	84	404622	4.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	98240	4.42	ug/L	0.00
41) Toluene-d8	9.98	98	332686	4.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	22694	4.14	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	64423	45.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	42648	4.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	76914	4.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	200436	5.062 ug/L	100
3) Chloromethane	2.07	50	104965	5.022 ug/L	92
5) Vinyl chloride	2.20	62	105421	5.186 ug/L	96
6) Bromomethane	2.55	94	65352	5.075 ug/L	86
8) Chloroethane	2.68	64	58702	5.104 ug/L	94
9) Trichlorofluoromethane	2.99	101	176719	4.924 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	76554	4.751 ug/L #	70
12) 1,1-Dichloroethene	3.66	96	74787	5.011 ug/L	88
13) Acetone	3.72	43	64775	47.124 ug/L	74
14) Carbon disulfide	3.97	76	524899	5.293 ug/L	98
15) Methyl Acetate	4.22	43	27259	4.701 ug/L	91
16) Methylene chloride	4.43	84	133421	4.674 ug/L	89
17) Methyl tert-butyl Ether	4.93	73	135506	5.306 ug/L	99
18) trans-1,2-Dichloroethene	4.91	96	145351	5.057 ug/L	93
19) 1,1-Dichloroethane	5.72	63	257727	5.062 ug/L	97
21) 2-Butanone	6.72	43	123984	51.282 ug/L	98
22) cis-1,2-Dichloroethene	6.70	96	131114	5.159 ug/L #	89
23) Bromochloromethane	7.08	128	36185	4.987 ug/L	90
25) Chloroform	7.25	83	229177	4.708 ug/L	96
27) 1,2-Dichloroethane	8.01	62	85871	4.589 ug/L	98
29) 1,1,1-Trichloroethane	7.45	97	176452	5.115 ug/L	98
30) Cyclohexane	7.54	56	268234	5.738 ug/L	98
31) Carbon tetrachloride	7.66	117	166148	5.178 ug/L	98
33) Benzene	7.93	78	558186	5.454 ug/L	100
34) Trichloroethene	8.73	95	134530	5.190 ug/L	95
35) Methylcyclohexane	8.97	83	250908	5.549 ug/L	98
37) 1,2-Dichloropropane	9.02	63	109698	5.306 ug/L	99
38) Bromodichloromethane	9.30	83	111430	5.154 ug/L #	98
39) cis-1,3-Dichloropropene	9.73	75	118662	5.390 ug/L	100
40) 4-Methyl-2-pentanone	9.88	43	276951	54.907 ug/L	98

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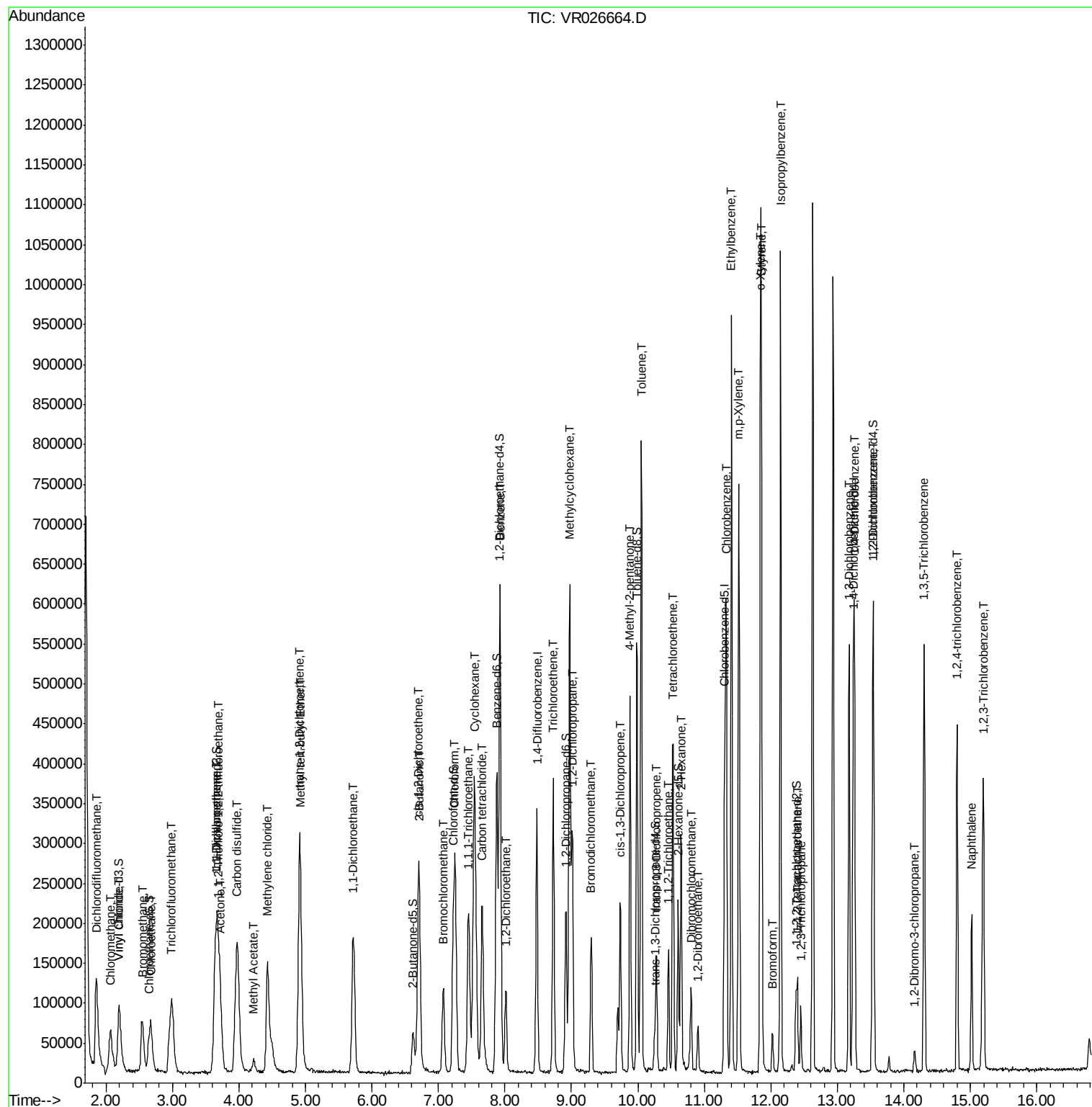
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	520808	5.515	ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	75871	5.196	ug/L	86
45) 1,1,2-Trichloroethane	10.46	97	45541	5.062	ug/L	95
47) Tetrachloroethene	10.53	164	82381	5.121	ug/L	95
48) 2-Hexanone	10.65	43	170370	51.290	ug/L	98
49) Dibromochloromethane	10.80	129	48445	5.133	ug/L	99
50) 1,2-Dibromoethane	10.90	107	36691	5.021	ug/L	99
51) Chlorobenzene	11.33	112	269010	5.247	ug/L	96
52) Ethylbenzene	11.41	91	587848	5.624	ug/L	98
53) m,p-Xylene	11.52	106	209909	5.628	ug/L	100
54) o-Xylene	11.84	106	200997	5.851	ug/L	94
55) Styrene	11.86	104	286771	5.805	ug/L	98
56) Isopropylbenzene	12.15	105	593204	5.837	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	48916	4.916	ug/L	97
59) 1,2,3-Trichloropropane	12.45	75	36412	5.034	ug/L	98
61) Bromoform	12.03	173	20028	5.258	ug/L	90
62) 1,3-Dichlorobenzene	13.18	146	184268	5.463	ug/L	99
63) 1,4-Dichlorobenzene	13.26	146	175897	5.161	ug/L	95
65) 1,2-Dichlorobenzene	13.55	146	154900	5.390	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.17	75	7350	4.994	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.31	180	142464	5.484	ug/L	96
68) 1,2,4-trichlorobenzene	14.80	180	106551	5.642	ug/L	97
69) Naphthalene	15.02	128	129228	5.671	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	94264	5.671	ug/L	100

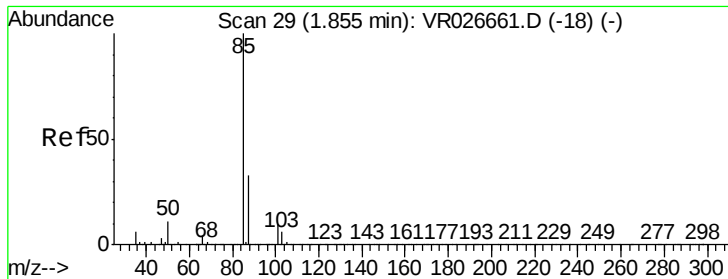
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.062 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

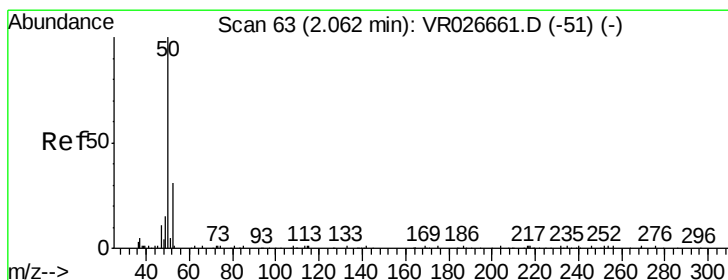
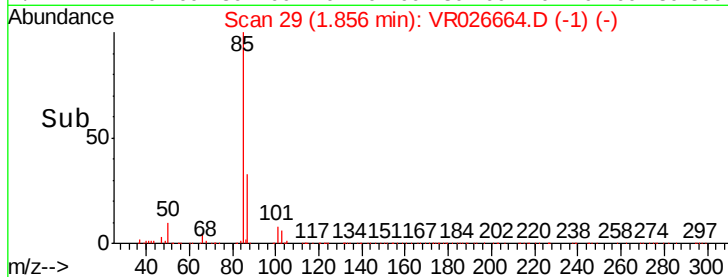
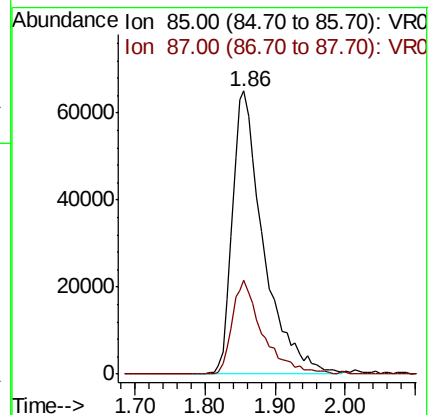
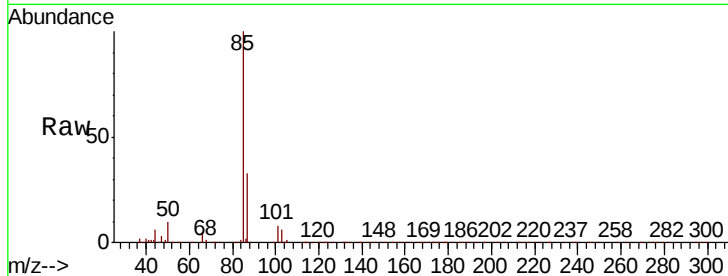
ClientSampleId :

Tot Ion: 85 Resp: 200436

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0



#3

Chloromethane

Concen: 5.022 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.01 min

Lab File: VR026664.D

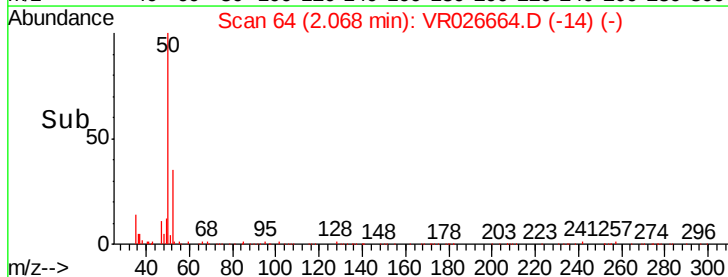
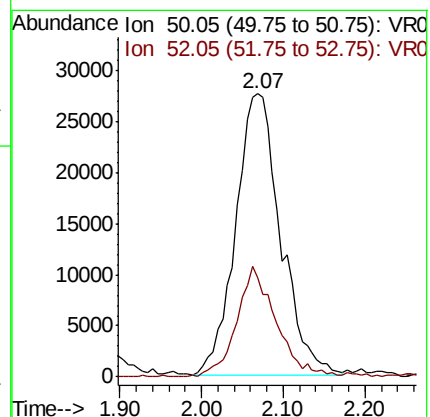
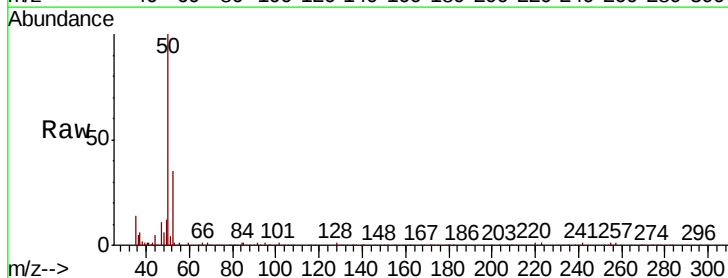
Acq: 11 Oct 2019 13:54

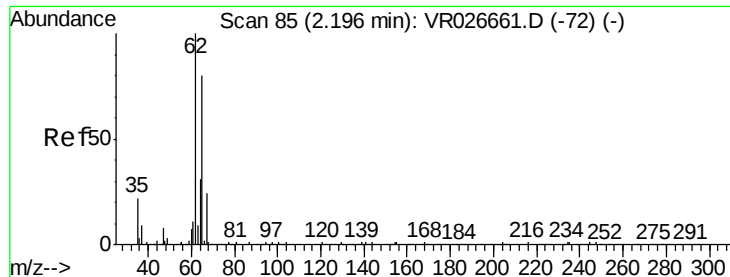
Tgt Ion: 50 Resp: 104965

Ion Ratio Lower Upper

50 100

52 35.1 21.3 39.6





#5

Vinyl chloride

Concen: 5.186 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

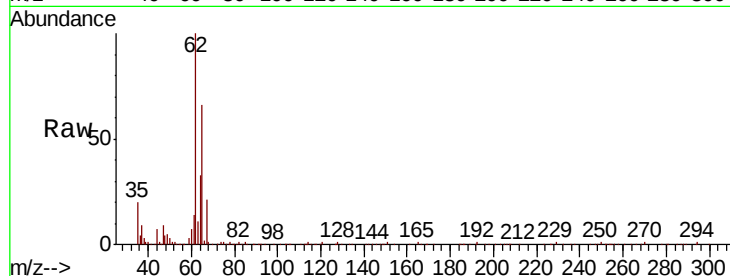
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 105421

Ion Ratio Lower Upper

62 100

64 33.1 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.20

25000

20000

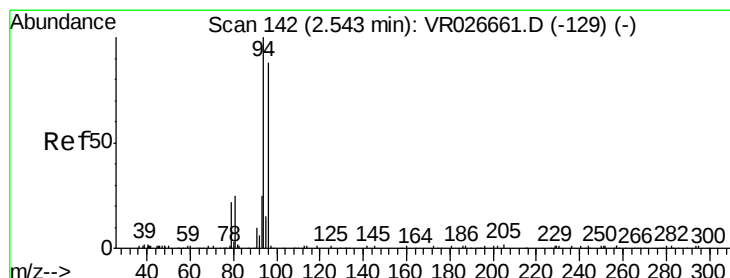
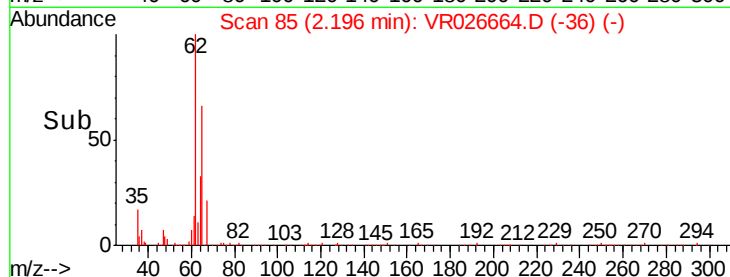
15000

10000

5000

0

Time--> 2.00 2.10 2.20 2.30 2.40



#6

Bromomethane

Concen: 5.075 ug/L

RT: 2.55 min Scan# 143

Delta R.T. 0.01 min

Lab File: VR026664.D

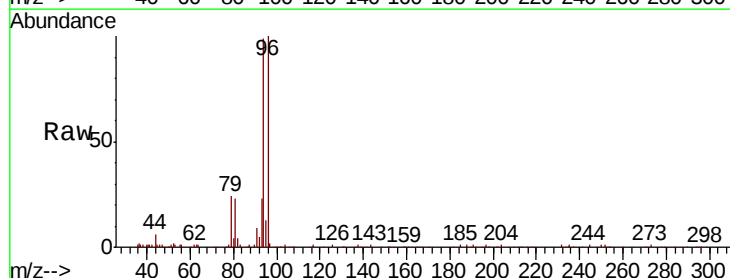
Acq: 11 Oct 2019 13:54

Tgt Ion: 94 Resp: 65352

Ion Ratio Lower Upper

94 100

96 100.9 61.7 114.5



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

25000

20000

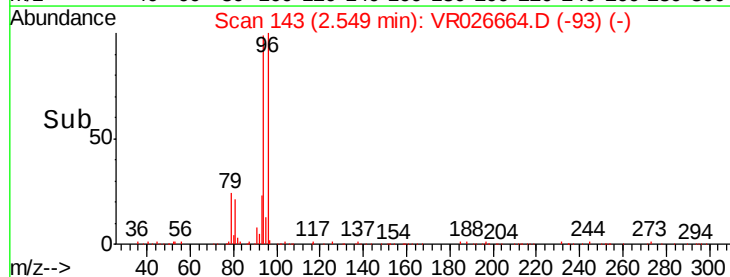
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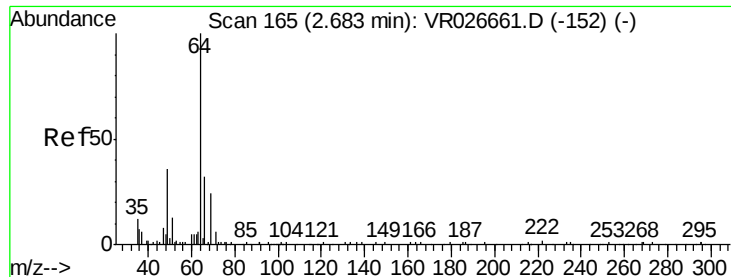
10000

5000

0

Time--> 2.40 2.50 2.60 2.70

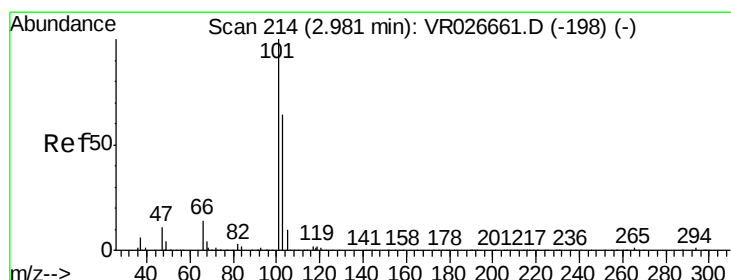
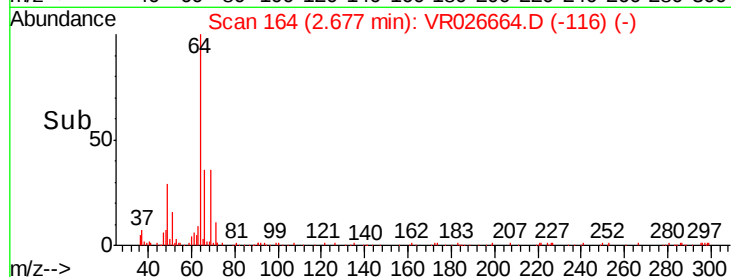
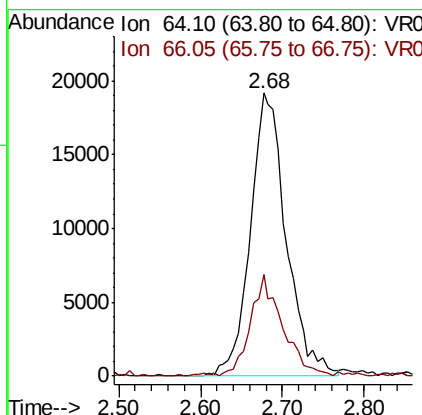
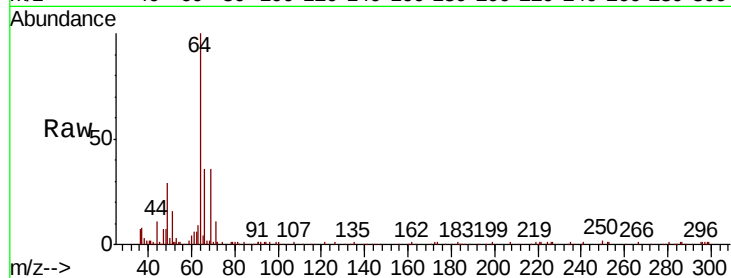




#8
Chloroethane
Concen: 5.104 ug/L
RT: 2.68 min Scan# 164
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

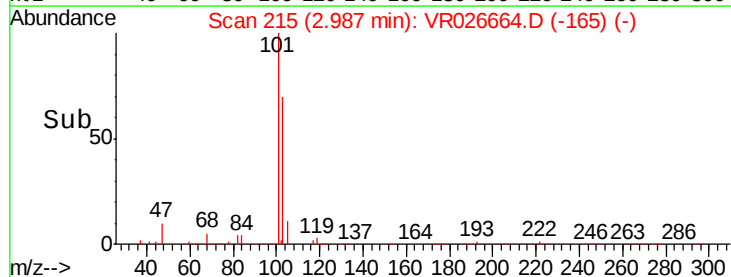
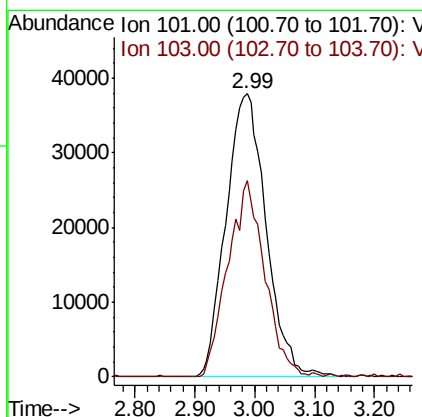
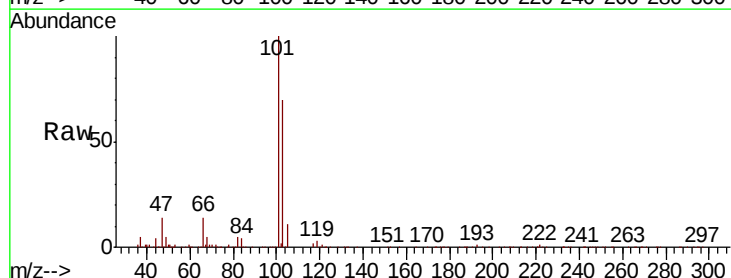
Instrument :
MSVOA_R
ClientSampleId :

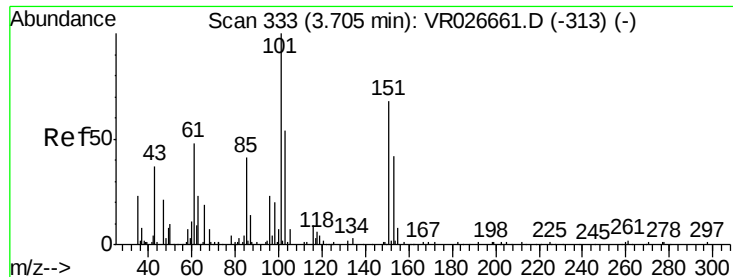
Tot Ion: 64 Resp: 58702
Ion Ratio Lower Upper
64 100
66 35.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.924 ug/L
RT: 2.99 min Scan# 215
Delta R.T. 0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 101 Resp: 176719
Ion Ratio Lower Upper
101 100
103 63.6 51.6 77.4





#10

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

Concen: 4.751 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampled :

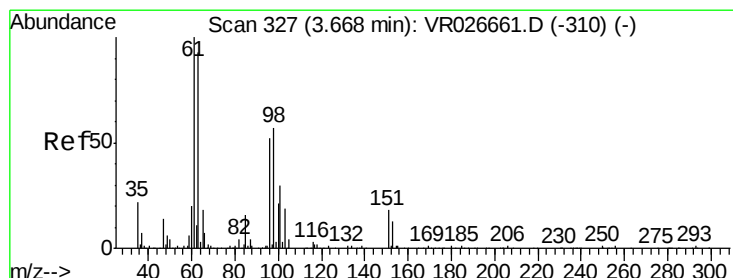
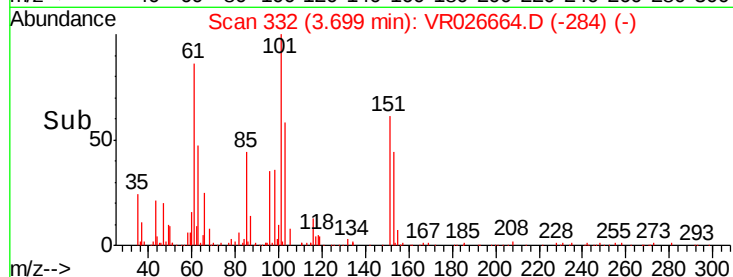
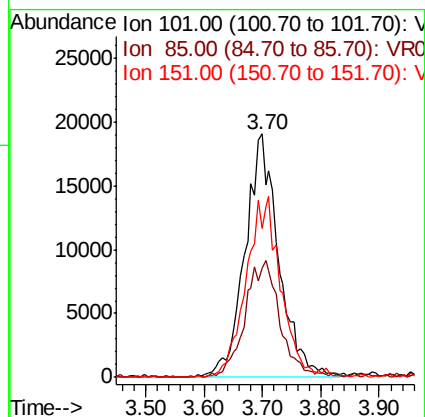
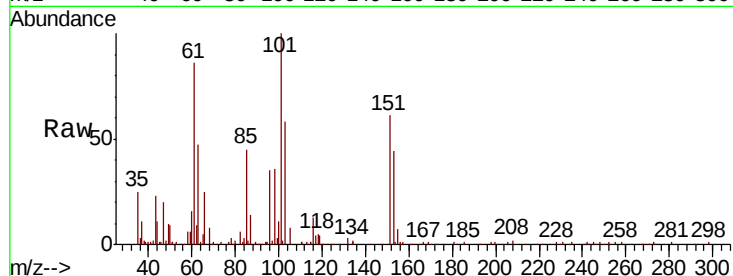
Tot Ion:101 Resp: 76554

Ion Ratio Lower Upper

101 100

85 49.4 41.8 62.8

151 75.1 27.9 41.9#



#12

1,1-Dichloroethene

Concen: 5.011 ug/L

RT: 3.66 min Scan# 326

Delta R.T. -0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

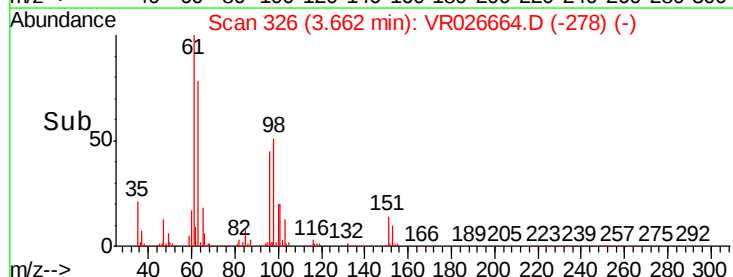
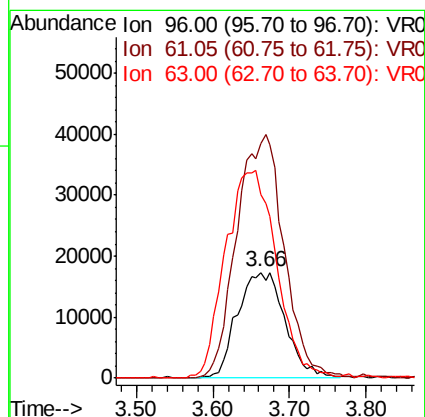
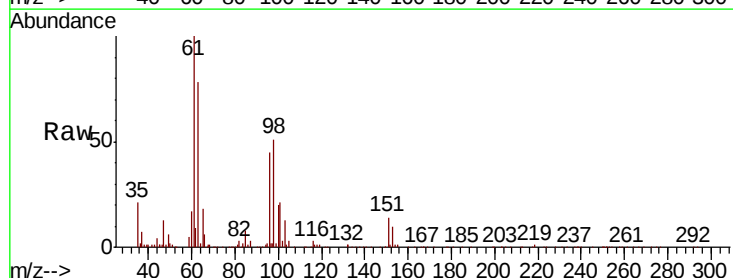
Tgt Ion: 96 Resp: 74787

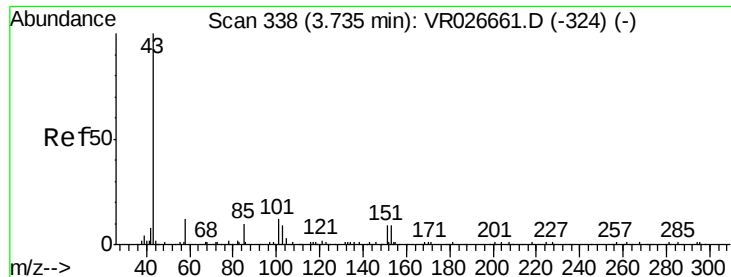
Ion Ratio Lower Upper

96 100

61 221.5 133.7 248.3

63 173.4 124.6 231.4

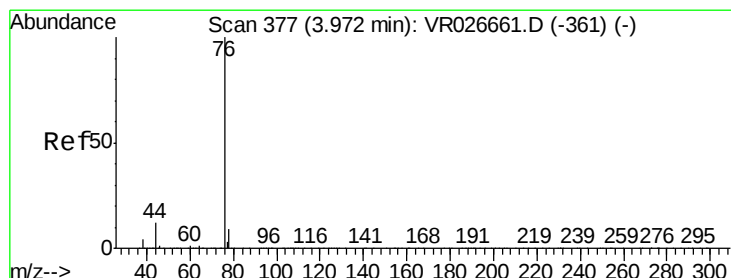
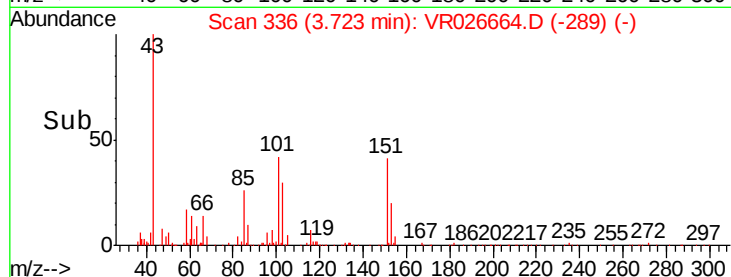
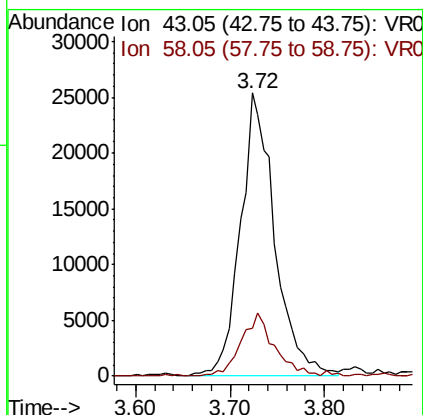
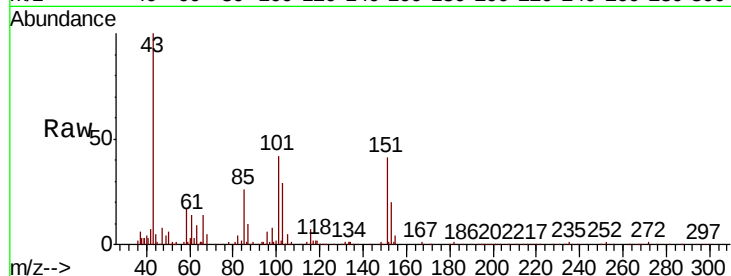




#13
Acetone
Concen: 47.124 ug/L
RT: 3.72 min Scan# 336
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

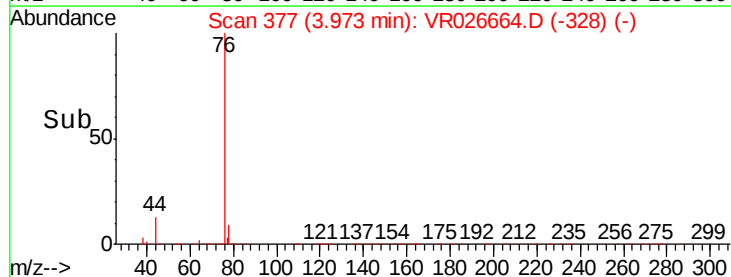
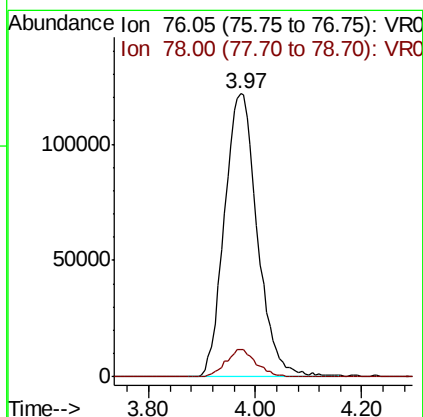
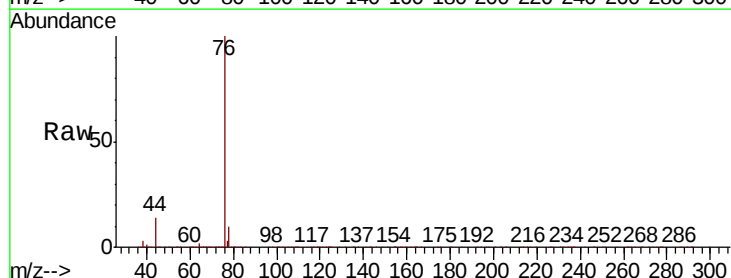
Instrument :
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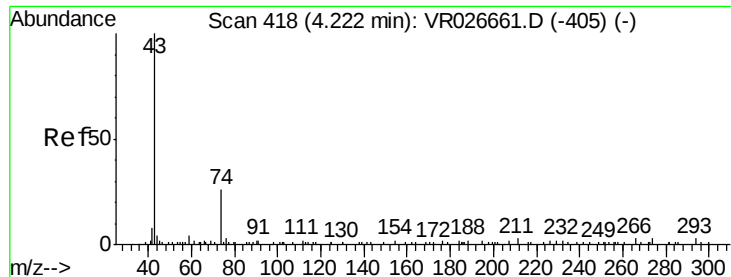
Tot Ion: 43 Resp: 64775
Ion Ratio Lower Upper
43 100
58 21.5 0.0 22.8



#14
Carbon disulfide
Concen: 5.293 ug/L
RT: 3.97 min Scan# 377
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 76 Resp: 524899
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

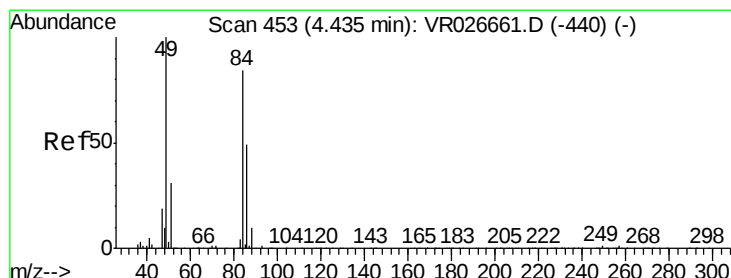
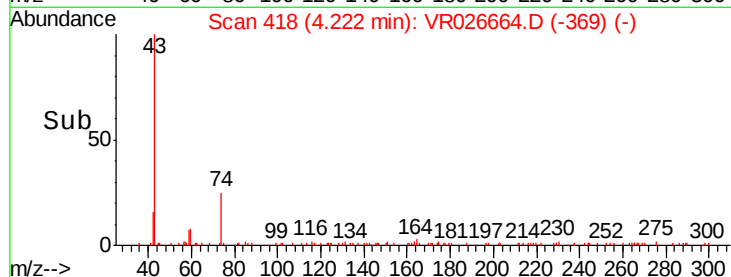
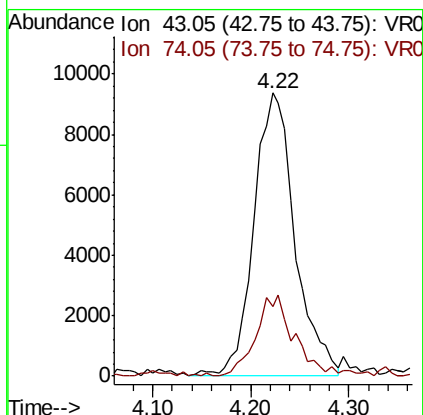
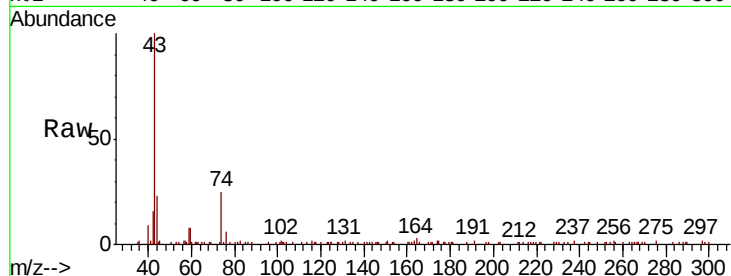




#15
Methyl Acetate
Concen: 4.701 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

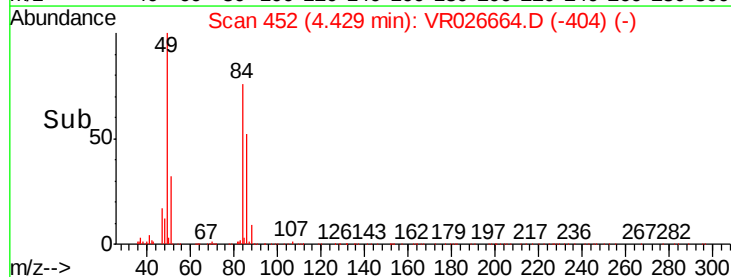
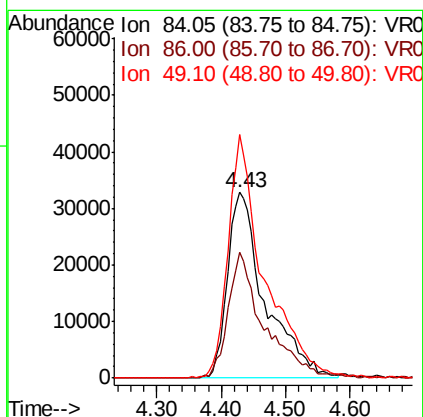
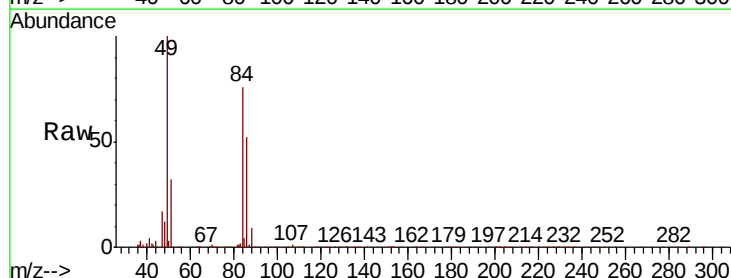
Instrument :
MSVOA_R
ClientSampled :

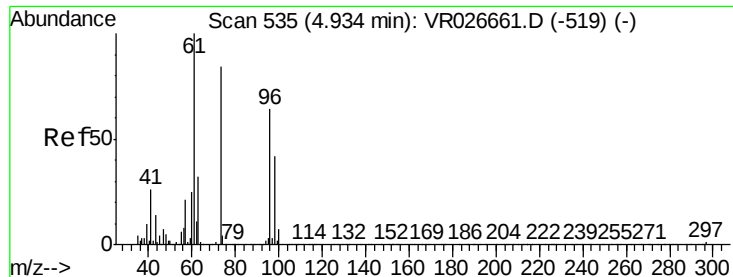
Tot Ion: 43 Resp: 27259
Ion Ratio Lower Upper
43 100
74 27.1 18.2 27.4



#16
Methylene chloride
Concen: 4.674 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 84 Resp: 133421
Ion Ratio Lower Upper
84 100
86 67.9 41.6 77.2
49 131.1 83.7 155.5

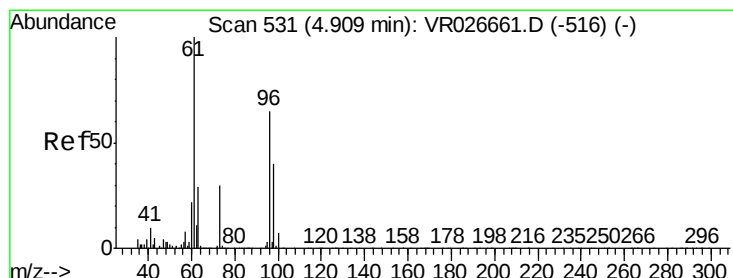
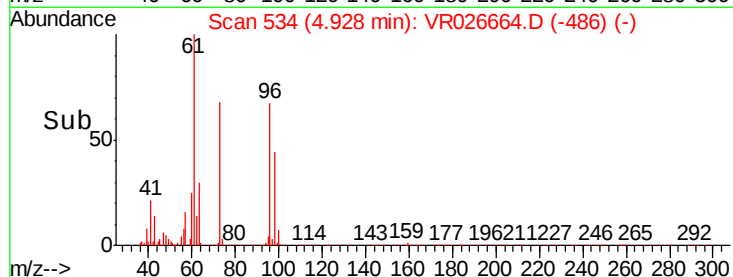
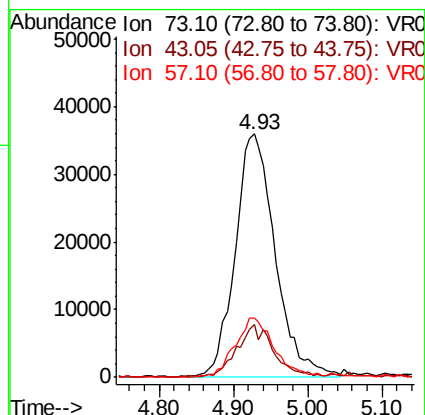
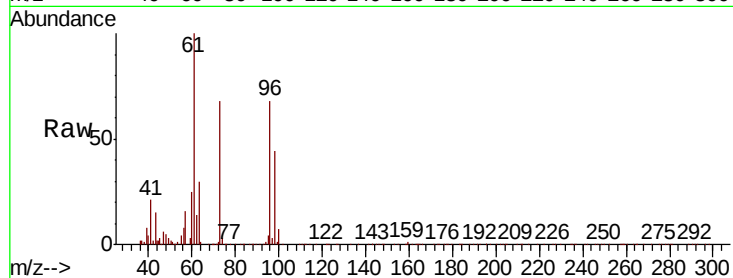




#17
Methvl tert-butvl Ether
Concen: 5.306 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

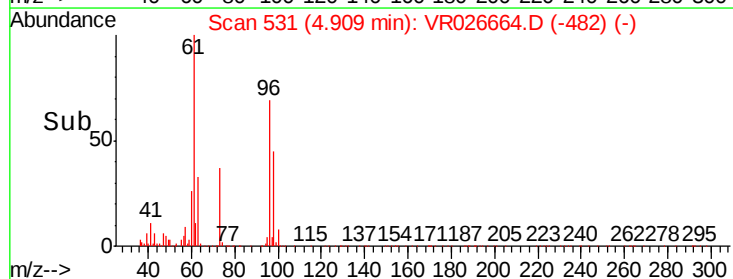
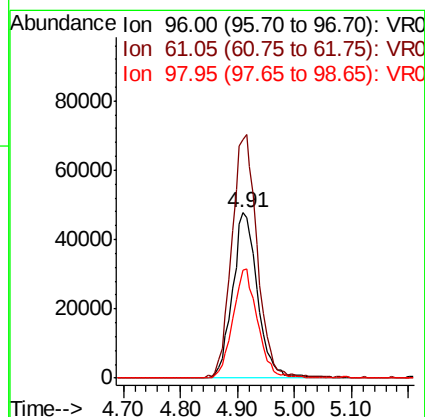
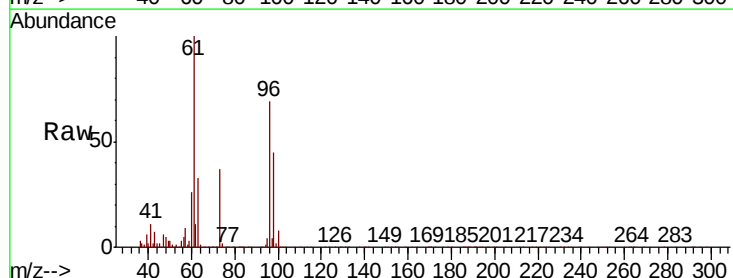
Instrument :
MSVOA_R
ClientSampled :

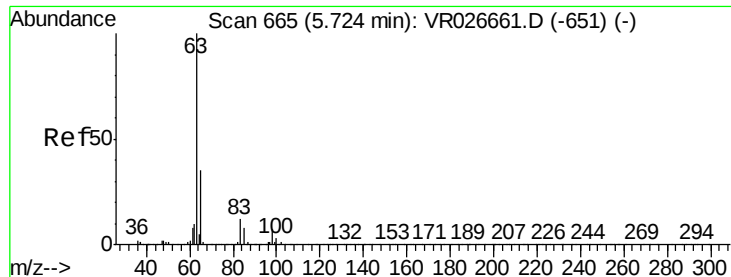
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.1	22.7
57	23.9	19.1	28.7



#18
trans-1,2-Dichloroethene
Concen: 5.057 ug/L
RT: 4.91 min Scan# 531
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	107.2	199.0
98	65.7	42.5	78.9





#19

1,1-Dichloroethane

Concen: 5.062 ug/L

RT: 5.72 min Scan# 664

Delta R.T. -0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampleId :

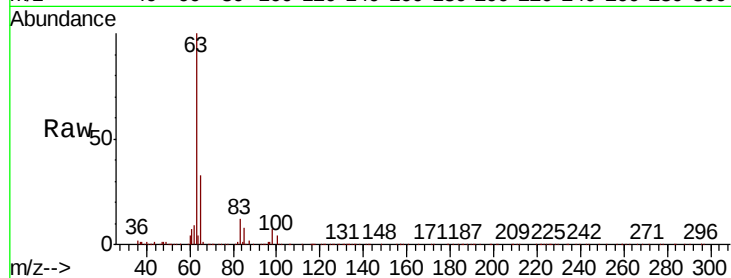
Tot Ion: 63 Resp: 257727

Ion Ratio Lower Upper

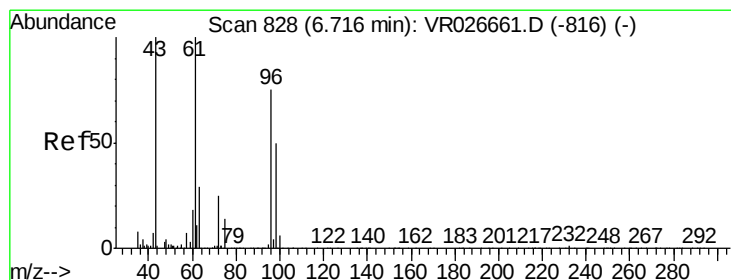
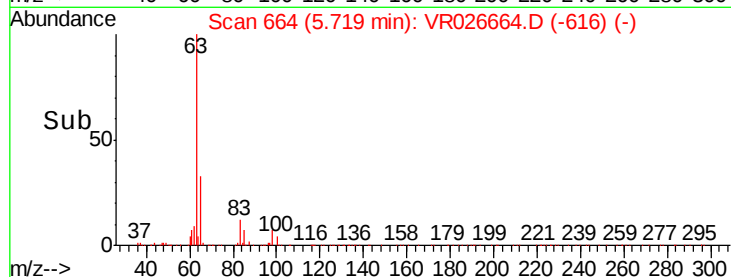
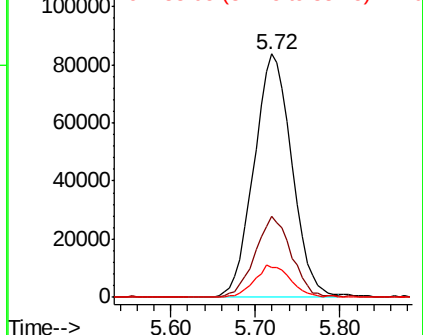
63 100

65 33.1 24.5 45.5

83 12.1 8.3 15.3



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



#21

2-Butanone

Concen: 51.282 ug/L

RT: 6.72 min Scan# 828

Delta R.T. 0.00 min

Lab File: VR026664.D

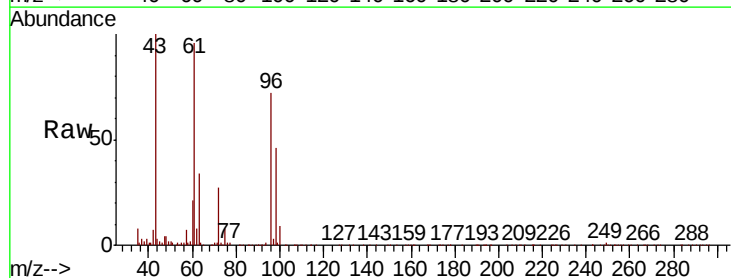
Acq: 11 Oct 2019 13:54

Tgt Ion: 43 Resp: 123984

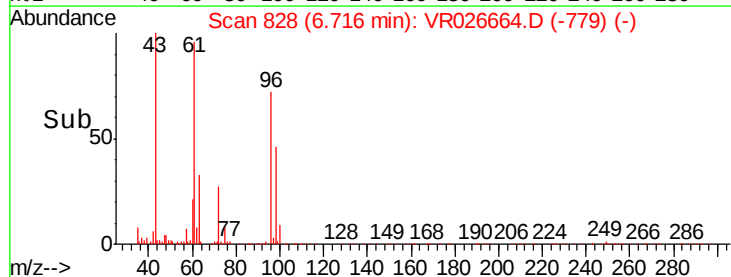
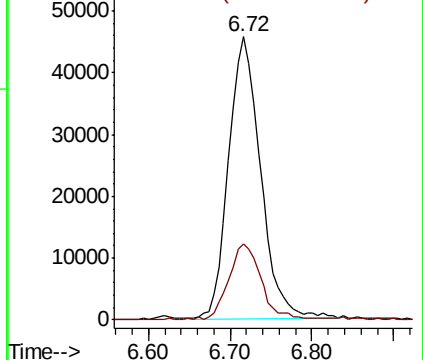
Ion Ratio Lower Upper

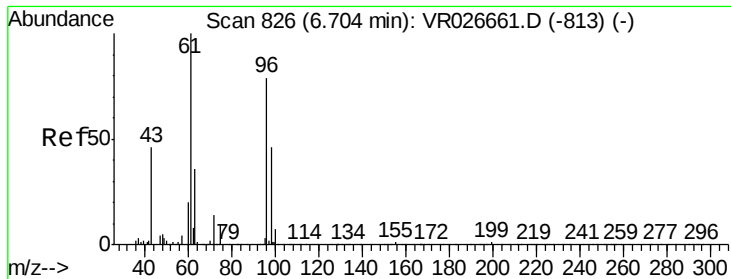
43 100

72 27.3 13.2 39.6



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



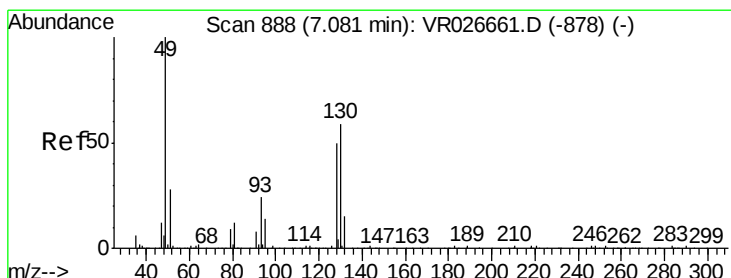
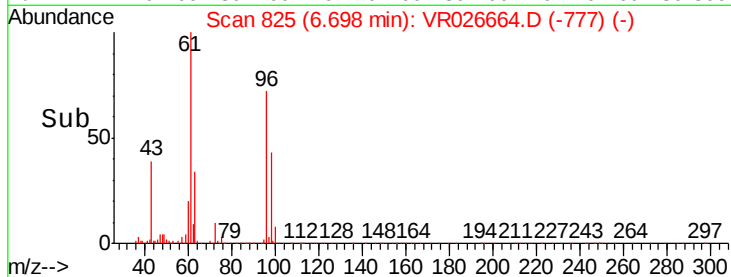
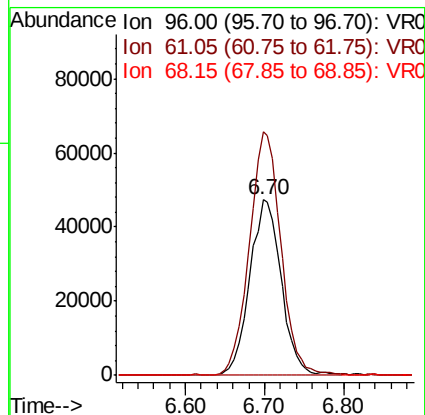
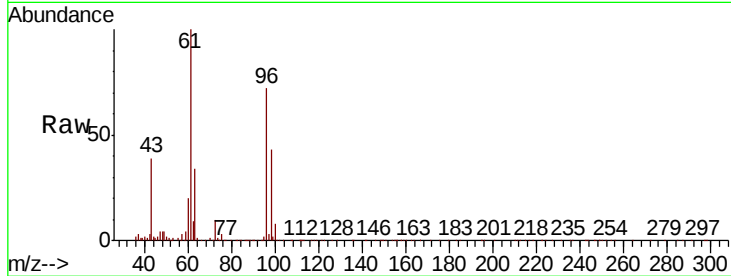


#22

cis-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 6.70 min Scan# 825
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Instrument :
MSVOA_R
ClientSampleId :

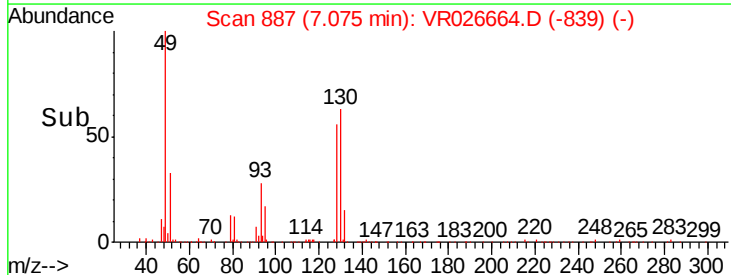
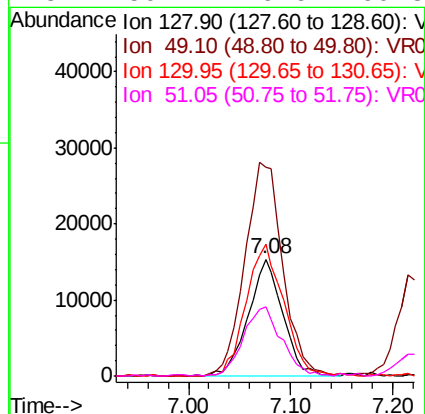
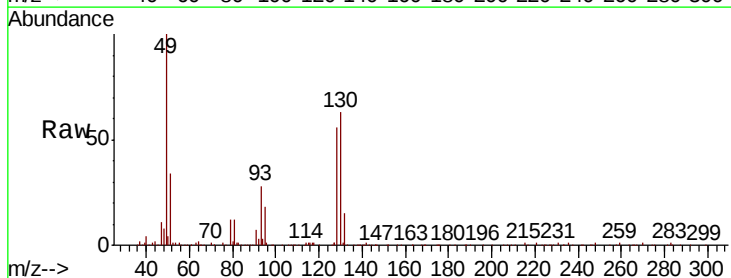
Tot Ion: 96 Resp: 131114
Ion Ratio Lower Upper
96 100
61 138.6 88.5 164.4
68 0.0 0.1 0.3#

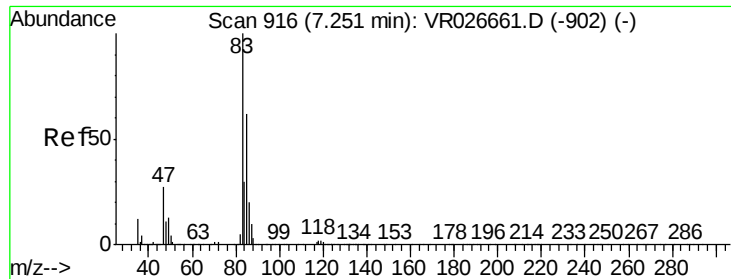


#23

Bromochloromethane
Concen: 4.987 ug/L
RT: 7.08 min Scan# 887
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 128 Resp: 36185
Ion Ratio Lower Upper
128 100
49 178.2 140.9 261.7
130 112.5 82.7 153.5
51 59.7 46.6 69.8

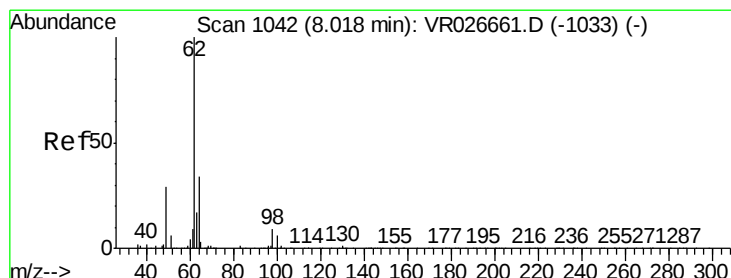
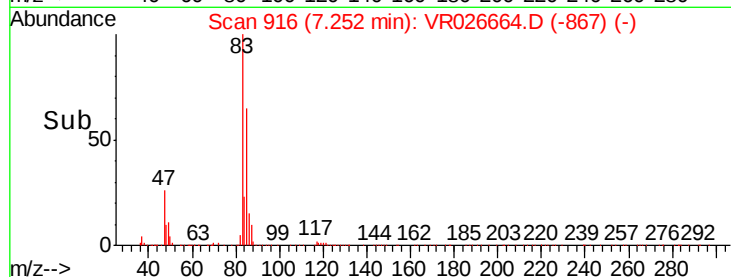
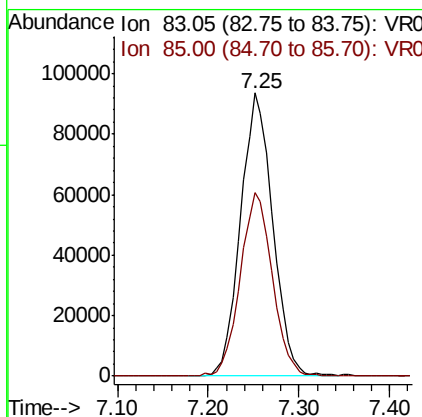
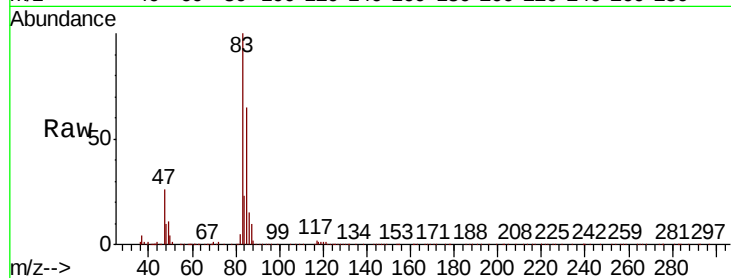




#25
Chloroform
Concen: 4.708 ug/L
RT: 7.25 min Scan# 916
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

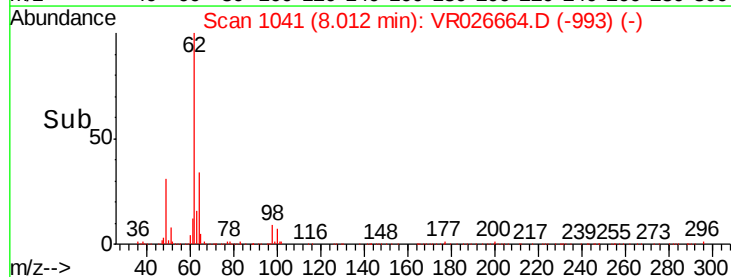
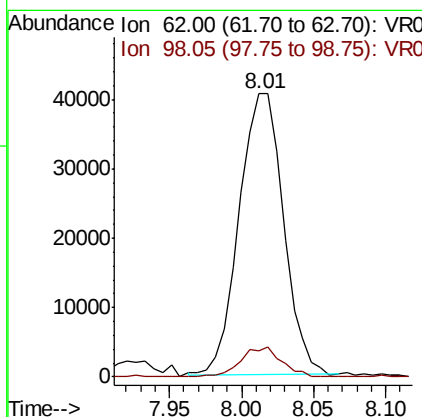
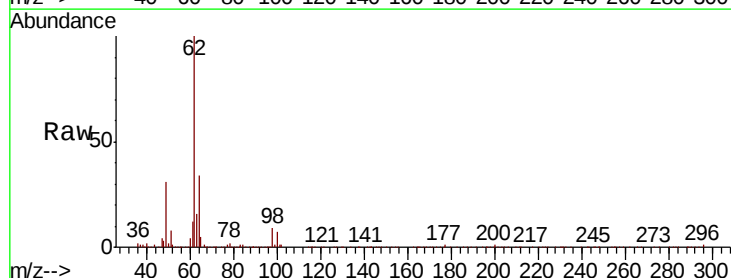
Instrument :
MSVOA_R
ClientSampleId :

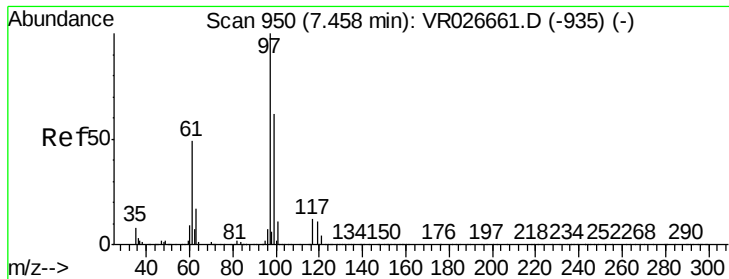
Tot Ion: 83 Resp: 229177
Ion Ratio Lower Upper
83 100
85 64.7 43.3 80.3



#27
1,2-Dichloroethane
Concen: 4.589 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 62 Resp: 85871
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4

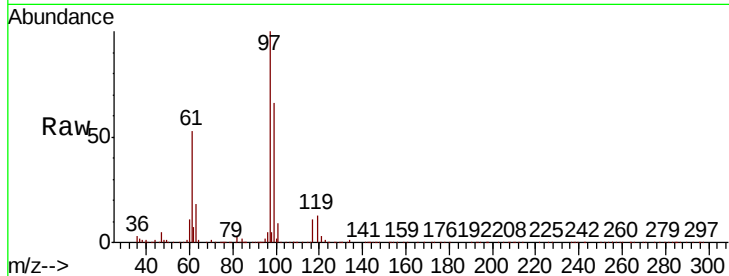




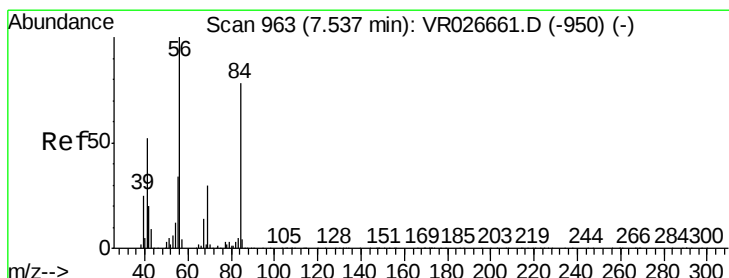
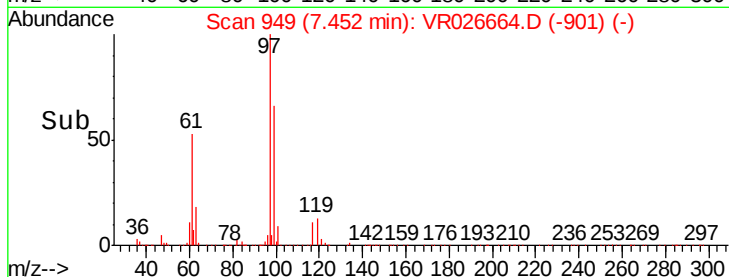
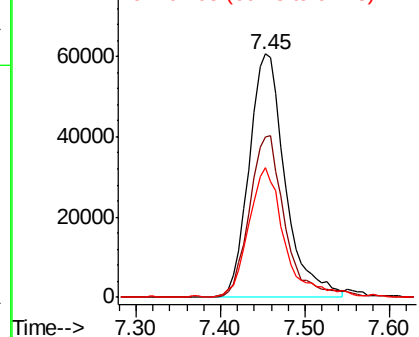
#29
 1,1,1-Trichloroethane
 Concen: 5.115 ug/L
 RT: 7.45 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion: 97 Resp: 176452
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.2 76.8
 61 52.8 41.4 62.2

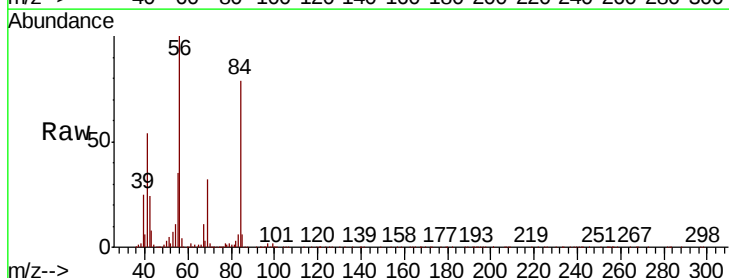


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

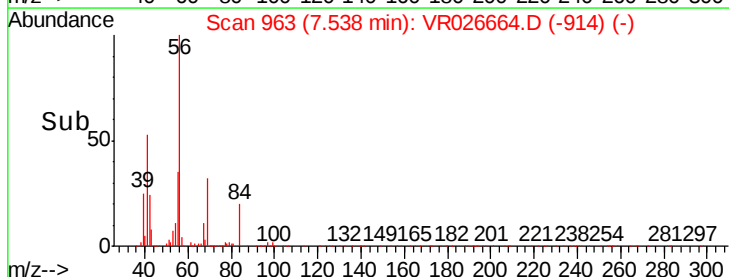
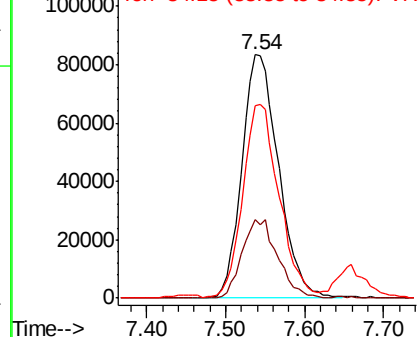


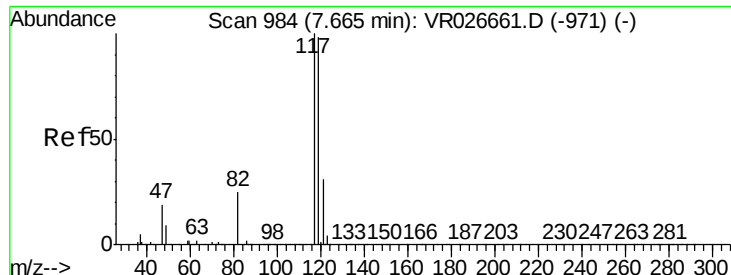
#30
 Cyclohexane
 Concen: 5.738 ug/L
 RT: 7.54 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Tgt Ion: 56 Resp: 268234
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.6 37.0
 84 79.2 61.4 92.2



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





#31

Carbon tetrachloride

Concen: 5.178 ug/L

RT: 7.66 min Scan# 983

Delta R.T. -0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

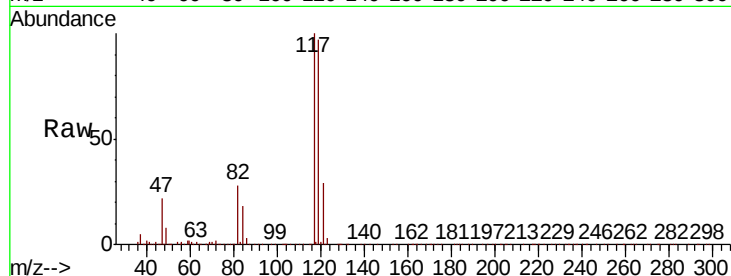
ClientSampleId :

Tot Ion:117 Resp: 166148

Ion Ratio Lower Upper

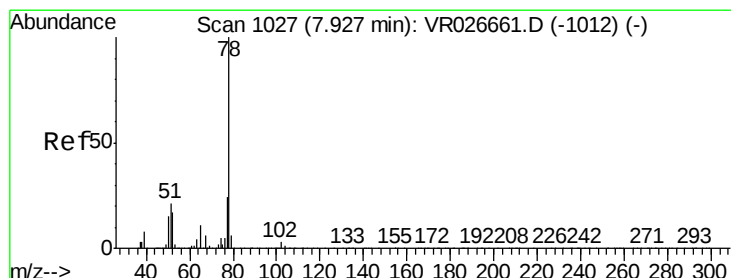
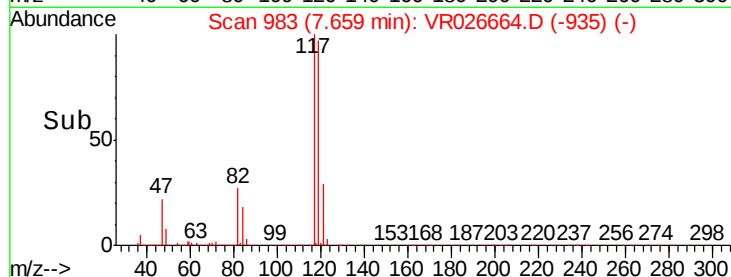
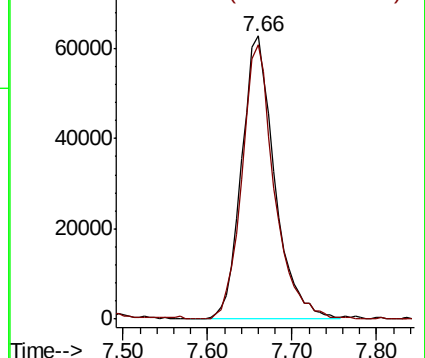
117 100

119 94.2 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.454 ug/L

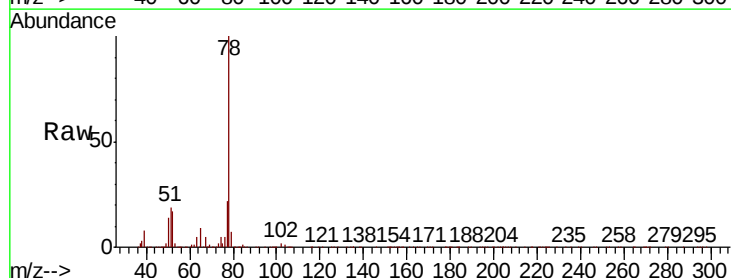
RT: 7.93 min Scan# 1027

Delta R.T. 0.00 min

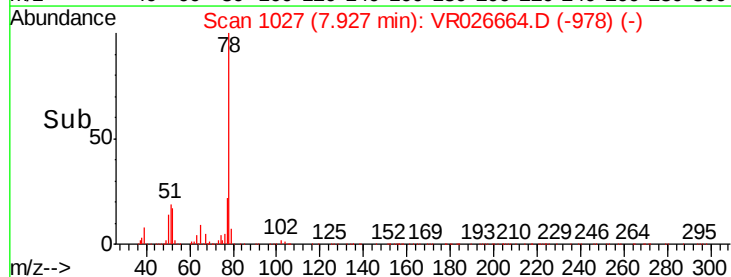
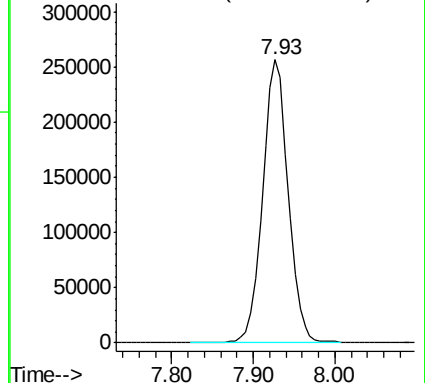
Lab File: VR026664.D

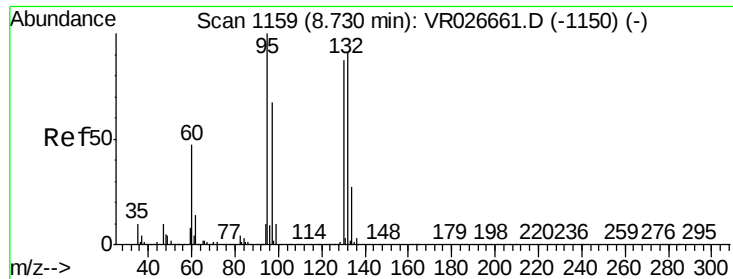
Acq: 11 Oct 2019 13:54

Tgt Ion: 78 Resp: 558186



Abundance Ion 78.10 (77.80 to 78.80): VR0

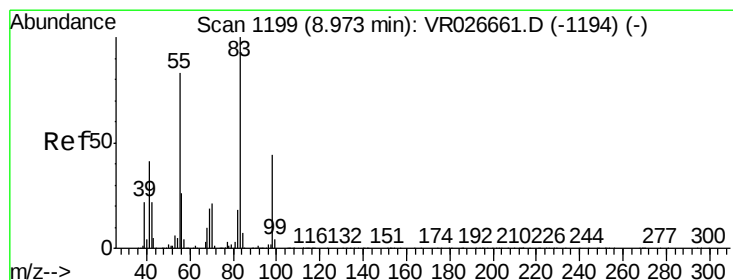
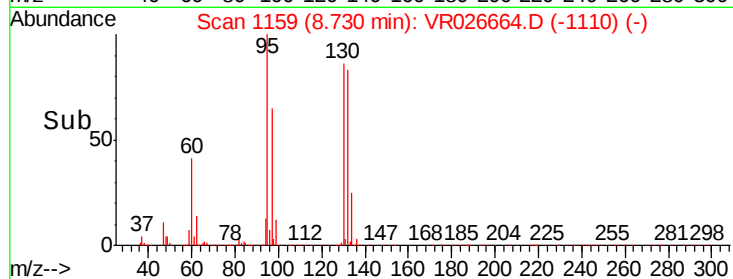
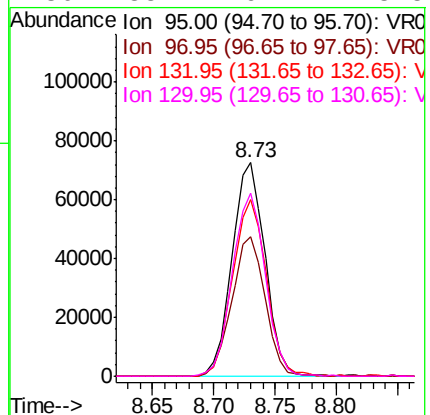
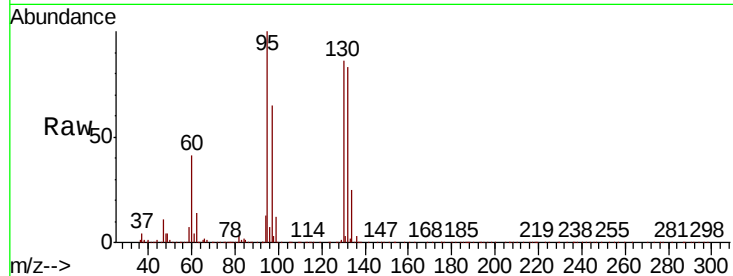




#34
 Trichloroethene
 Concen: 5.190 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

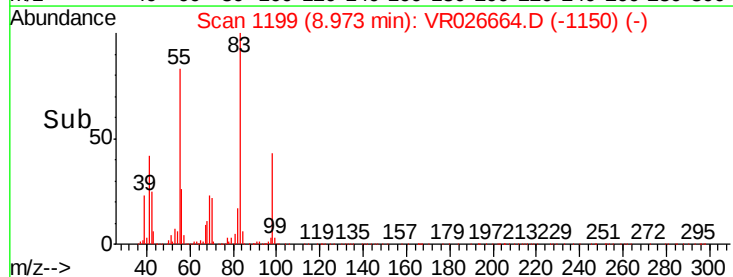
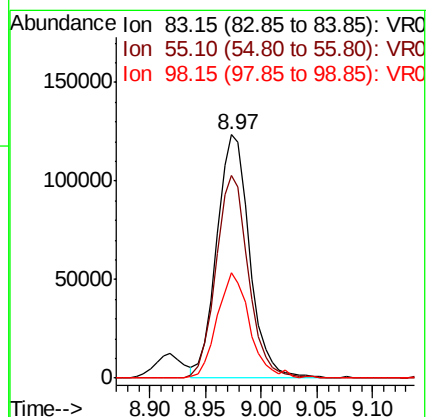
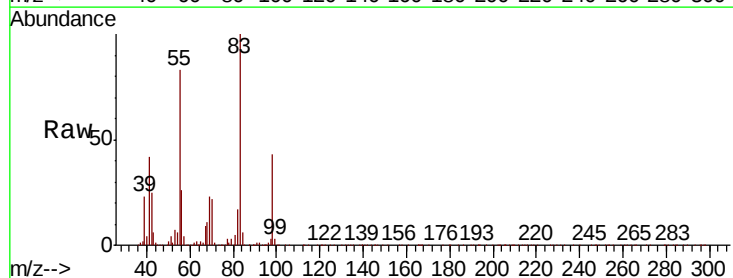
Instrument :
 MSVOA_R
 ClientSampleId :

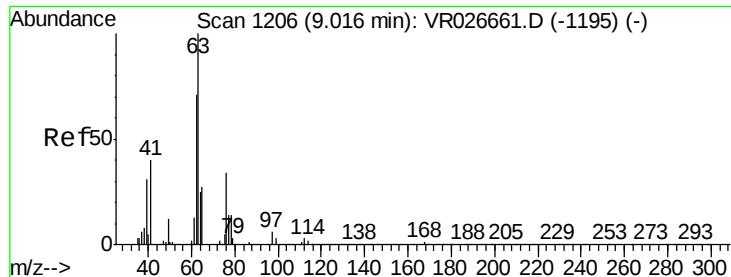
Tot Ion:	95	Resp:	134530
Ion	Ratio	Lower	Upper
95	100		
97	65.2	47.3	87.9
132	82.9	64.0	118.8
130	85.7	61.1	113.5



#35
 Methylcyclohexane
 Concen: 5.549 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Tgt Ion:	83	Resp:	250908
Ion	Ratio	Lower	Upper
83	100		
55	83.0	67.8	101.6
98	43.1	35.0	52.4





#37

1,2-Dichloropropane

Concen: 5.306 ug/L

RT: 9.02 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

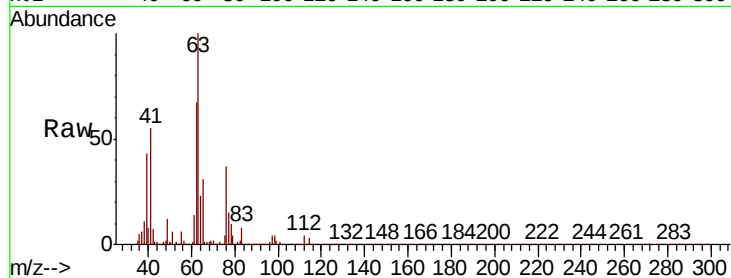
ClientSampleId :

Tot Ion: 63 Resp: 109698

Ion Ratio Lower Upper

63 100

112 3.4 2.4 3.6



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

60000

50000

40000

30000

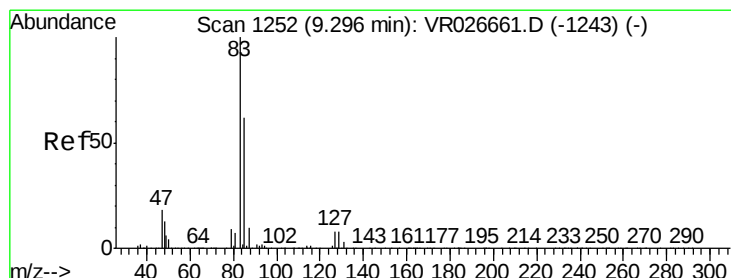
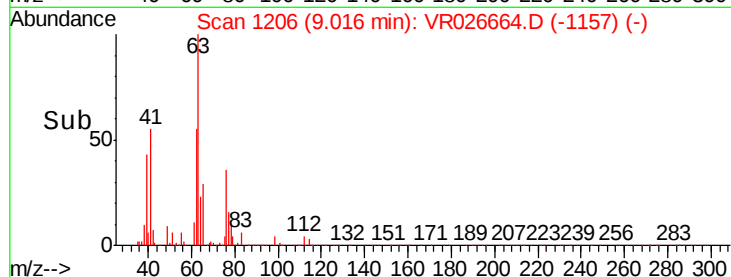
20000

10000

0

Time-->

8.90 8.95 9.00 9.05 9.10



#38

Bromodichloromethane

Concen: 5.154 ug/L

RT: 9.30 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

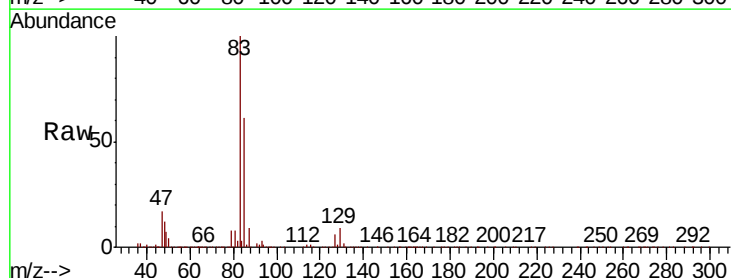
Tgt Ion: 83 Resp: 111430

Ion Ratio Lower Upper

83 100

85 60.7 43.5 80.7

127 6.1 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): V

80000

60000

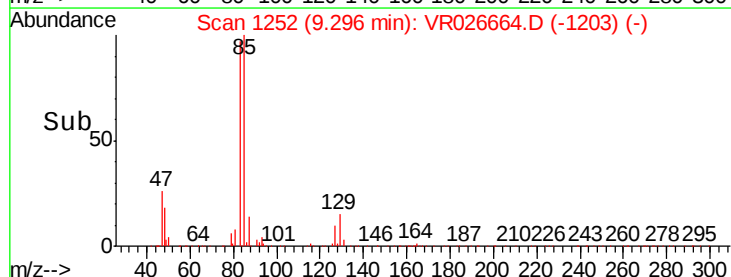
40000

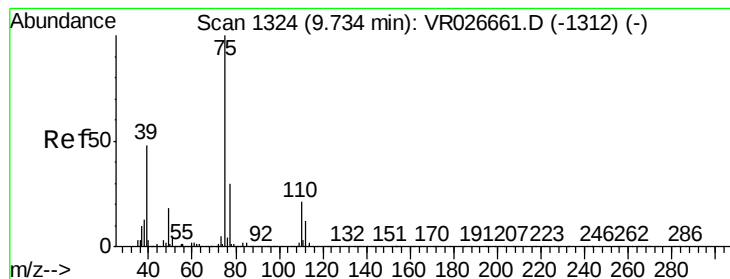
20000

0

Time-->

9.20 9.25 9.30 9.35 9.40



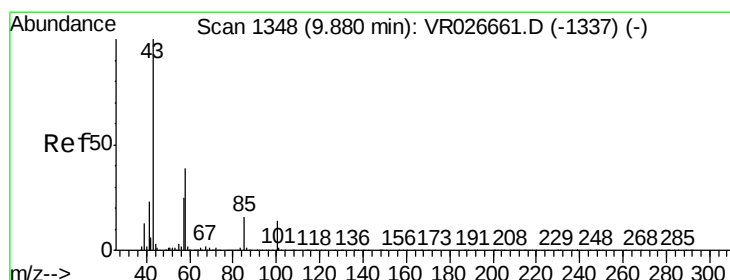
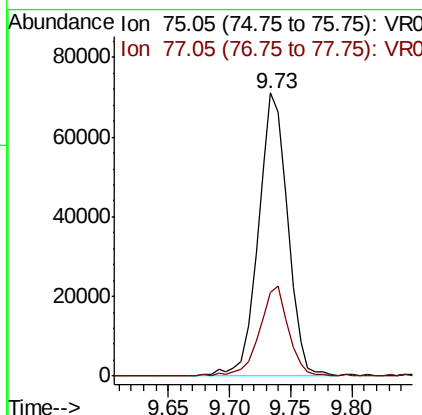
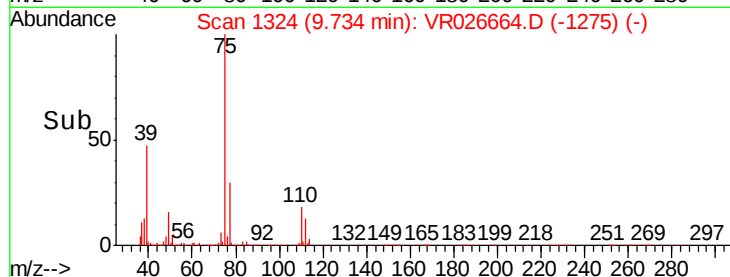
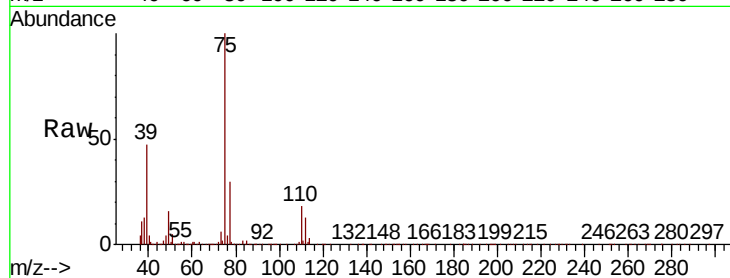


#39

cis-1,3-Dichloropropene
Concen: 5.390 ug/L
RT: 9.73 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Instrument :
MSVOA_R
ClientSampleId :

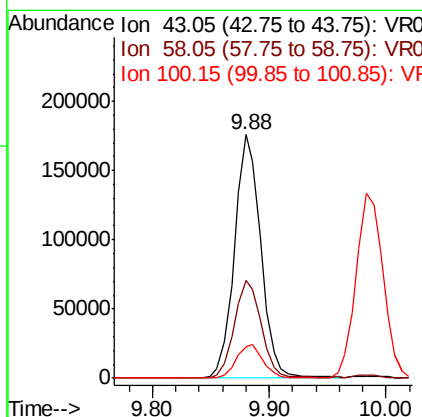
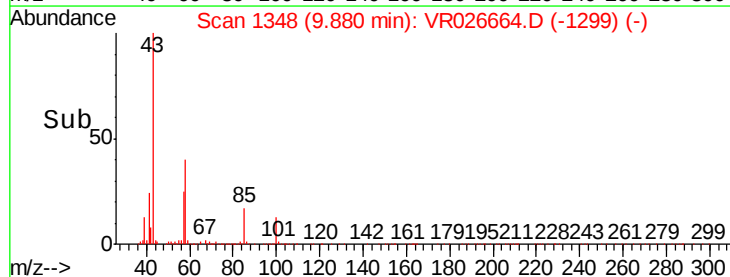
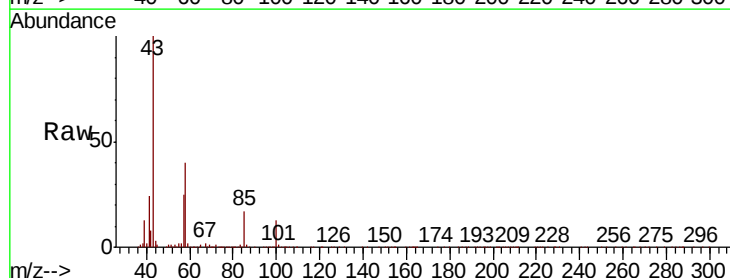
Tot Ion: 75 Resp: 118662
Ion Ratio Lower Upper
75 100
77 29.7 20.9 38.9

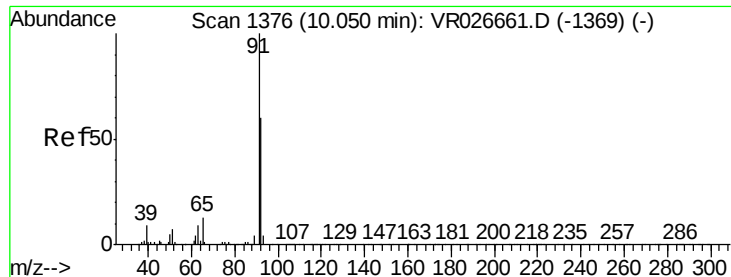


#40

4-Methyl-2-pentanone
Concen: 54.907 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 43 Resp: 276951
Ion Ratio Lower Upper
43 100
58 41.2 32.2 48.2
100 14.0 10.8 16.2





#42

Toluene

Concen: 5.515 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

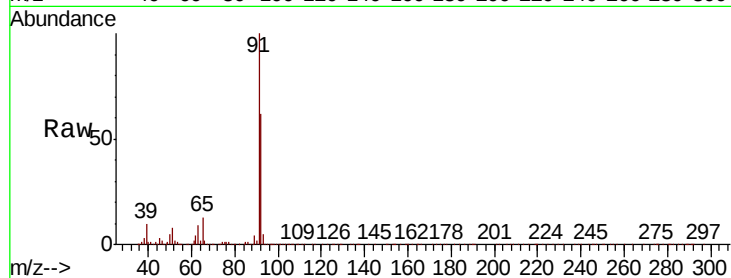
ClientSampleId :

Tot Ion: 91 Resp: 520808

Ion Ratio Lower Upper

91 100

92 61.7 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.05

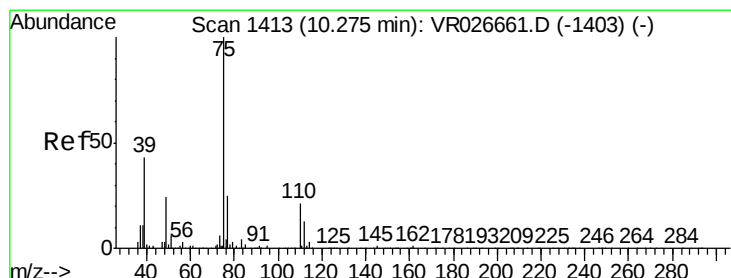
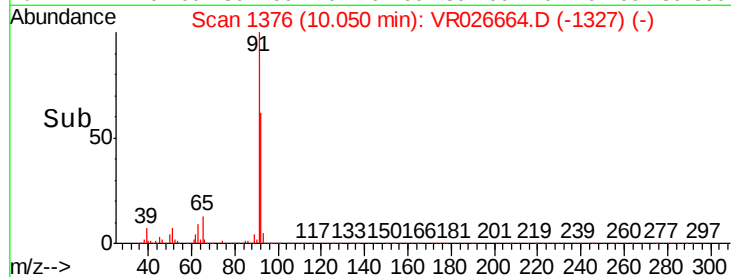
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.196 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VR026664.D

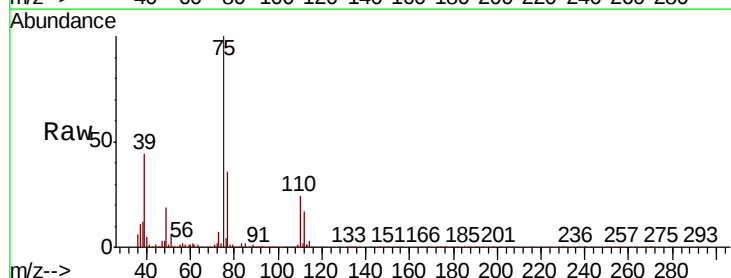
Acq: 11 Oct 2019 13:54

Tgt Ion: 75 Resp: 75871

Ion Ratio Lower Upper

75 100

77 35.5 19.8 36.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.28

50000

40000

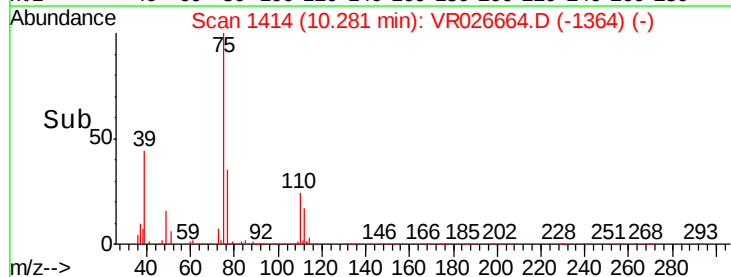
30000

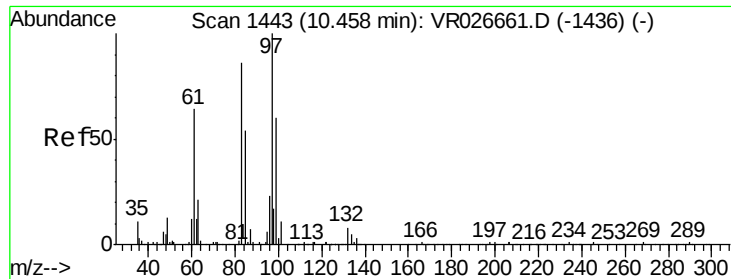
20000

10000

0

Time-->

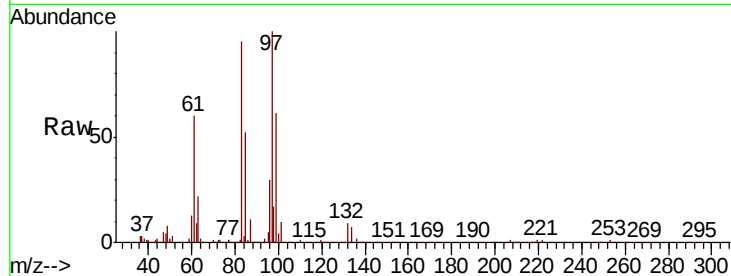




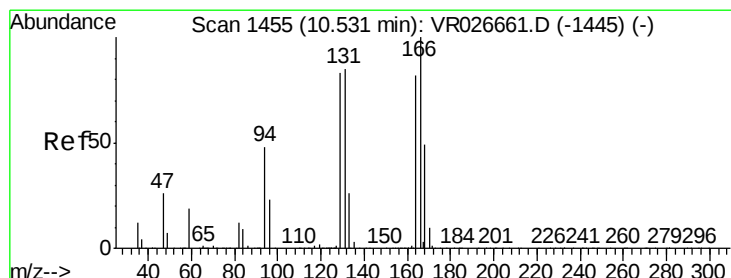
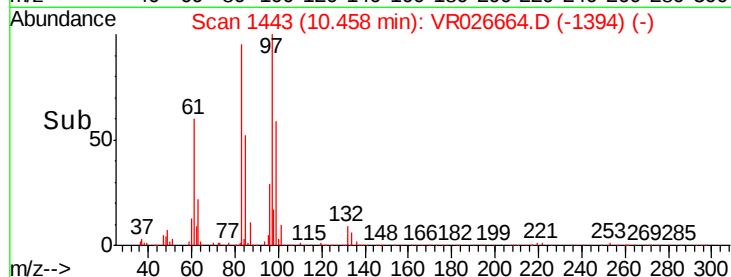
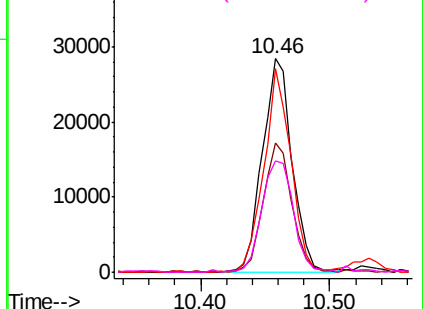
#45
 1,1,2-Trichloroethane
 Concen: 5.062 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	97	Resp:	45541
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.4	78.6
83	95.3	60.3	112.1
85	52.1	38.3	71.1

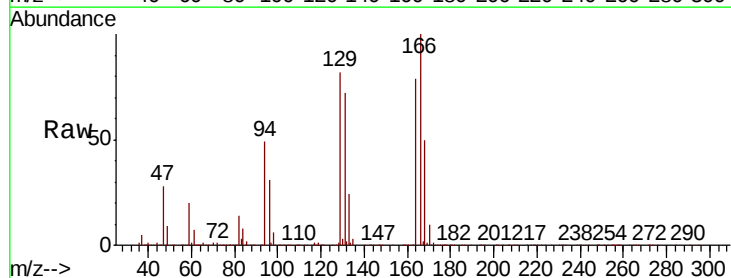


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

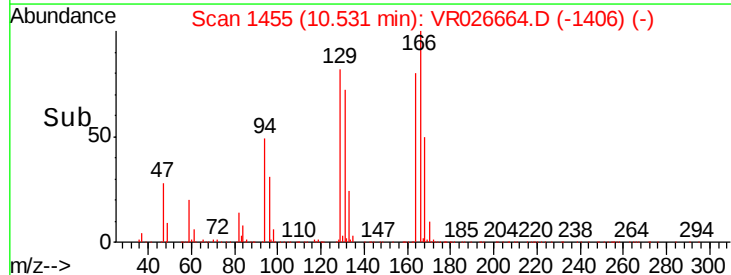
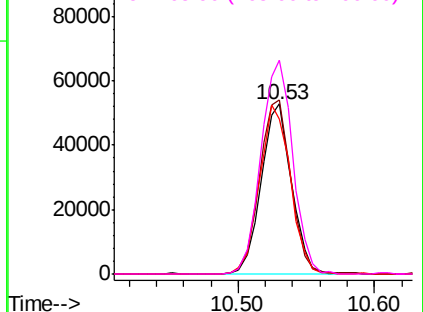


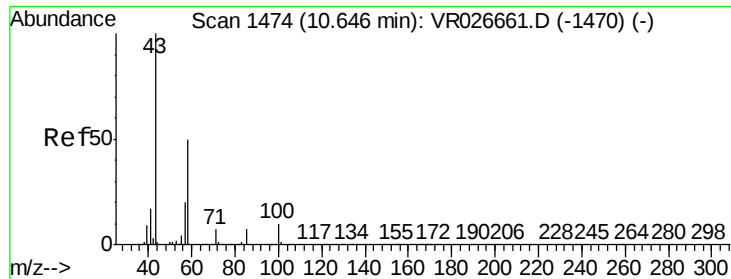
#47
 Tetrachloroethene
 Concen: 5.121 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Tgt Ion:	164	Resp:	82381
Ion	Ratio	Lower	Upper
164	100		
129	102.8	71.4	132.6
131	91.1	73.1	135.7
166	125.8	85.7	159.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

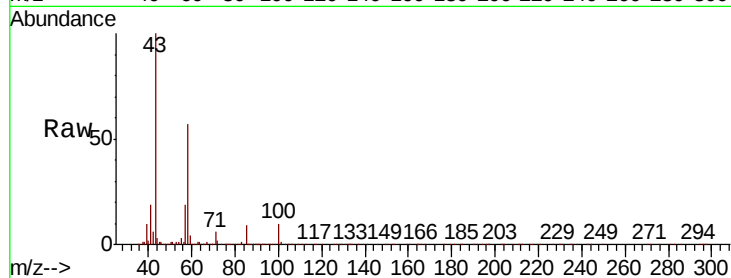




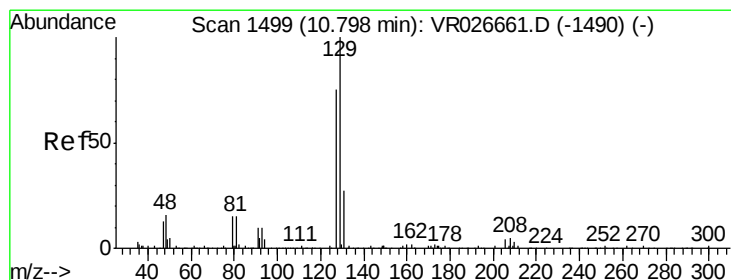
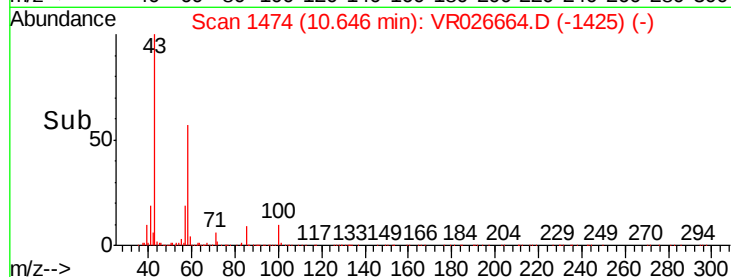
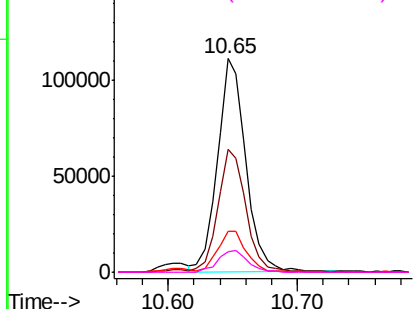
#48
2-Hexanone
Concen: 51.290 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 170370
Ion Ratio Lower Upper
43 100
58 58.3 45.0 67.4
57 19.8 16.2 24.4
100 11.0 8.4 12.6

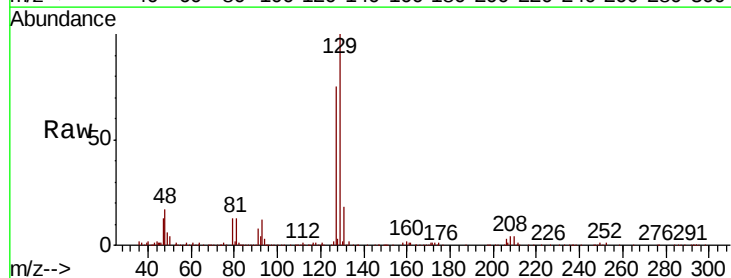


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

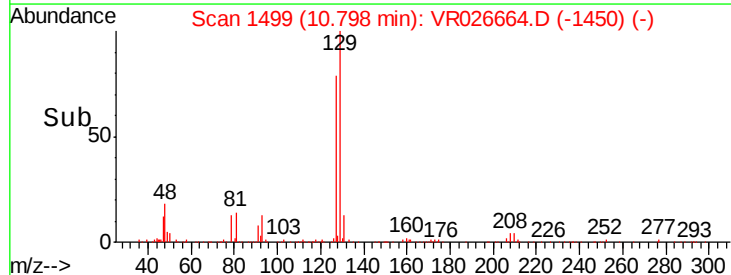
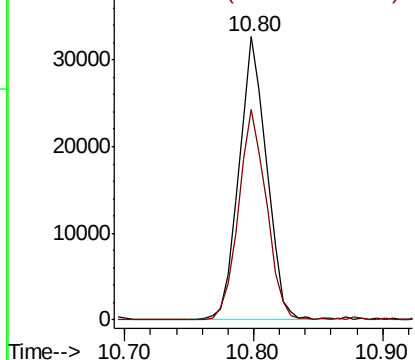


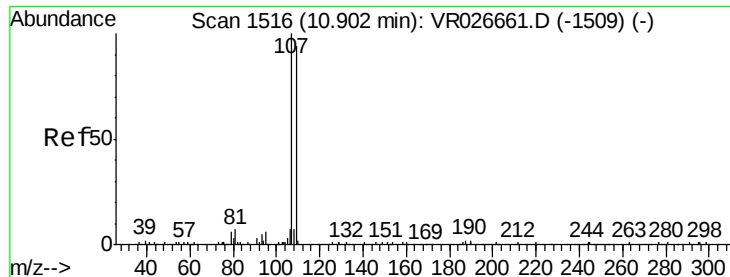
#49
Dibromochloromethane
Concen: 5.133 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion: 129 Resp: 48445
Ion Ratio Lower Upper
129 100
127 74.5 52.6 97.6



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

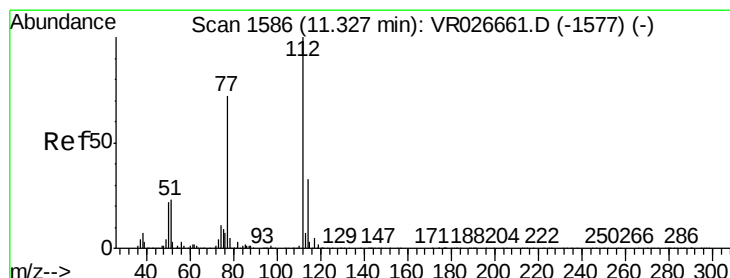
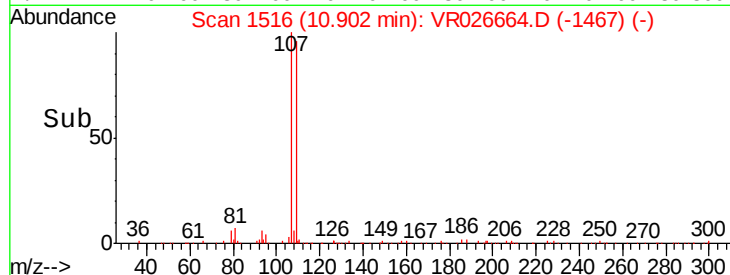
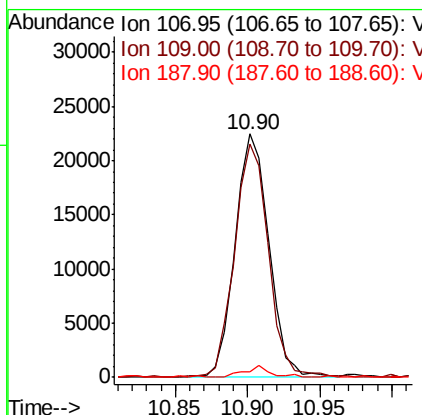
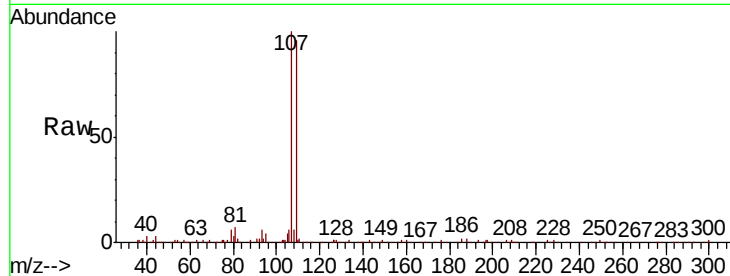




#50
1,2-Dibromoethane
Concen: 5.021 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

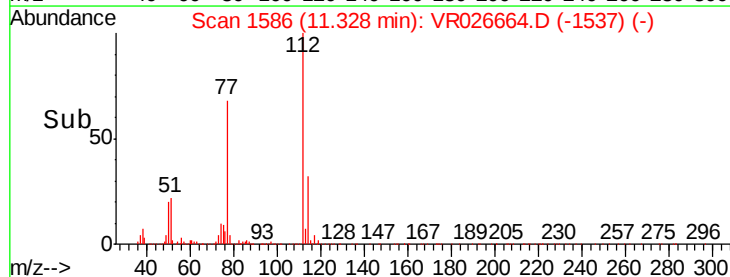
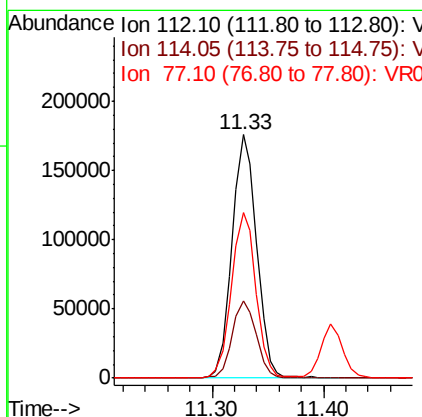
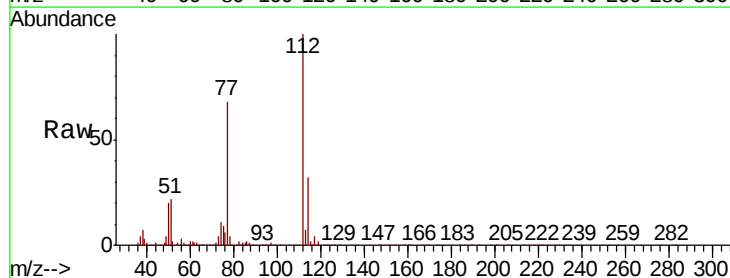
Instrument :
MSVOA_R
ClientSampleId :

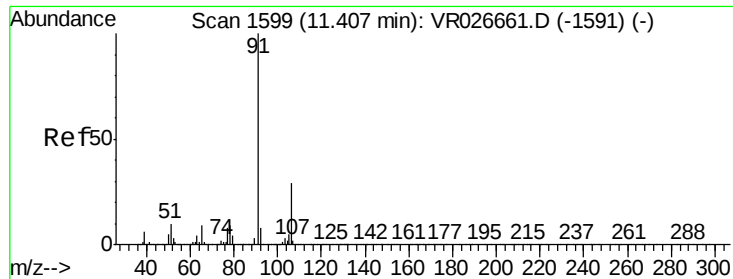
Tot Ion:107 Resp: 36691
Ion Ratio Lower Upper
107 100
109 96.8 66.9 124.3
188 2.1 1.8 2.6



#51
Chlorobenzene
Concen: 5.247 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion:112 Resp: 269010
Ion Ratio Lower Upper
112 100
114 31.7 23.1 42.9
77 68.1 57.2 85.8





#52

Ethylbenzene

Concen: 5.624 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

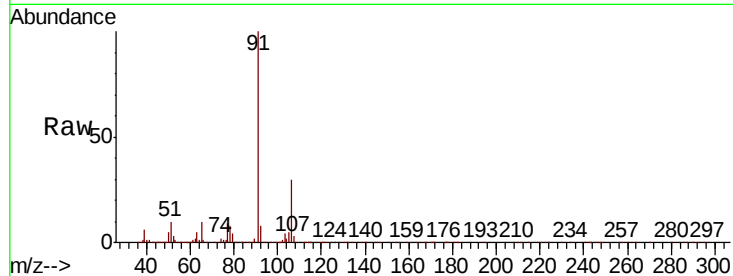
ClientSampleId :

Tot Ion: 91 Resp: 587848

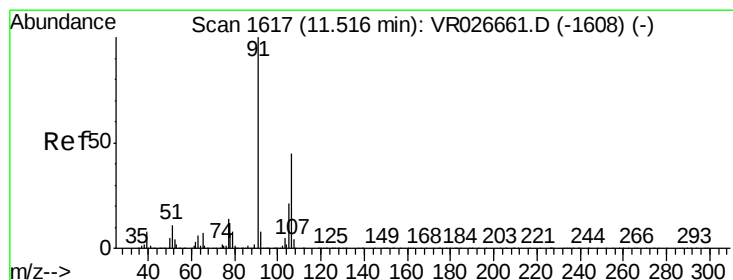
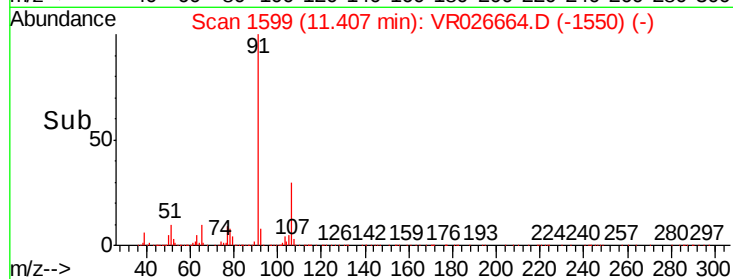
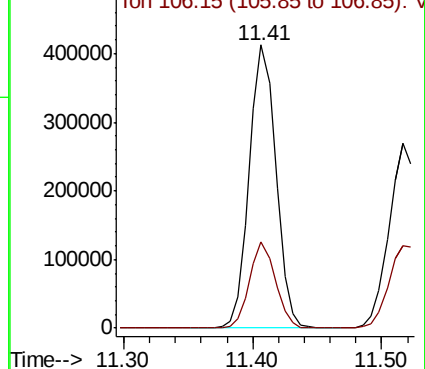
Ion Ratio Lower Upper

91 100

106 30.3 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VR0



#53

m,p-Xylene

Concen: 5.628 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VR026664.D

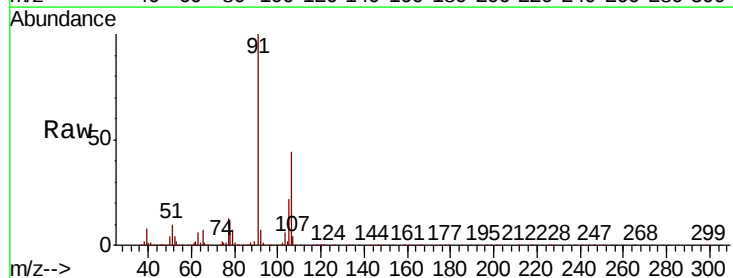
Acq: 11 Oct 2019 13:54

Tgt Ion: 106 Resp: 209909

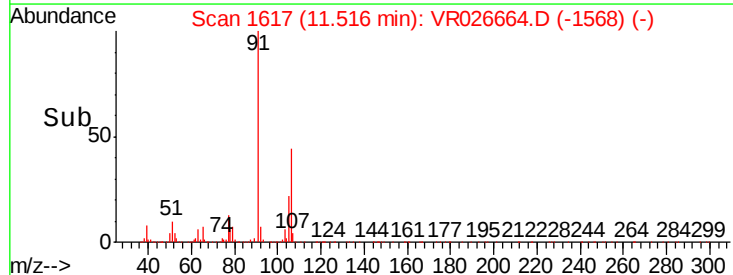
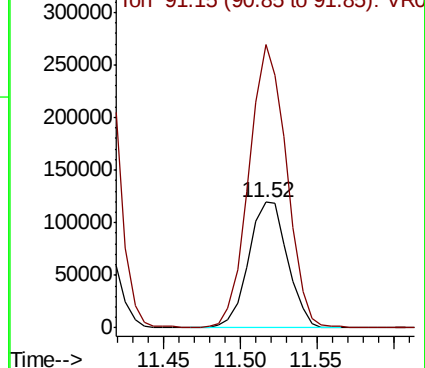
Ion Ratio Lower Upper

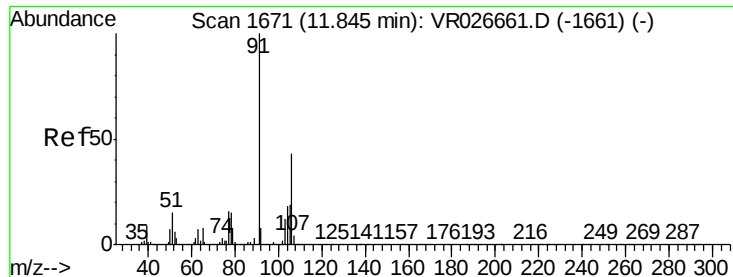
106 100

91 225.1 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

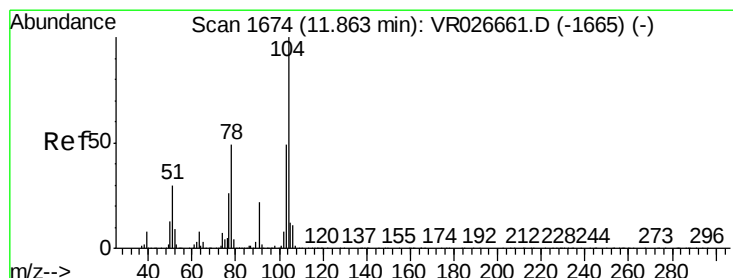
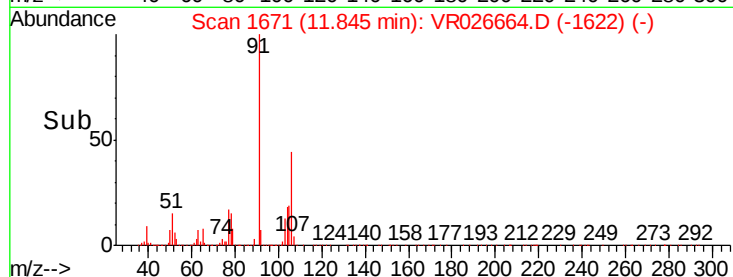
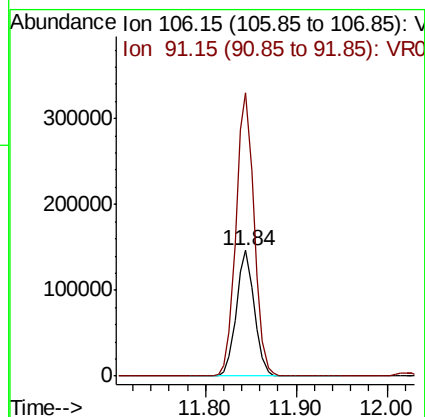
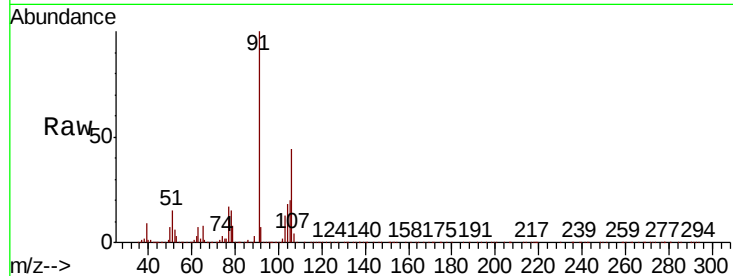




#54
o-Xylene
Concen: 5.851 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

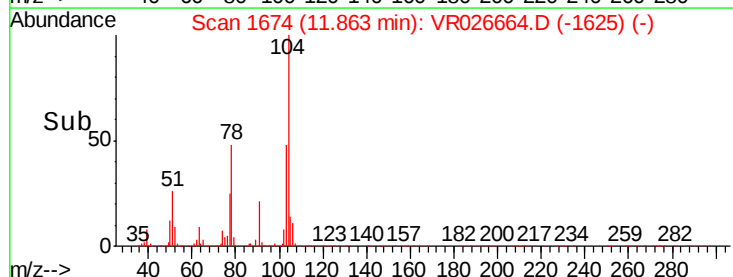
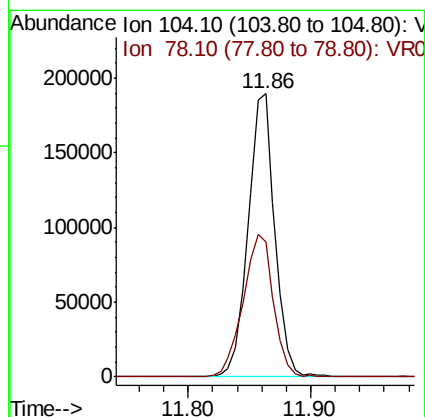
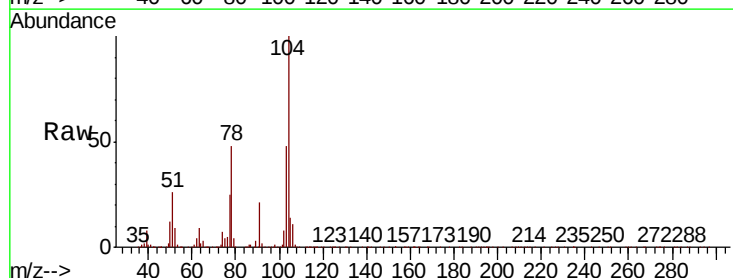
Instrument :
MSVOA_R
ClientSampled :

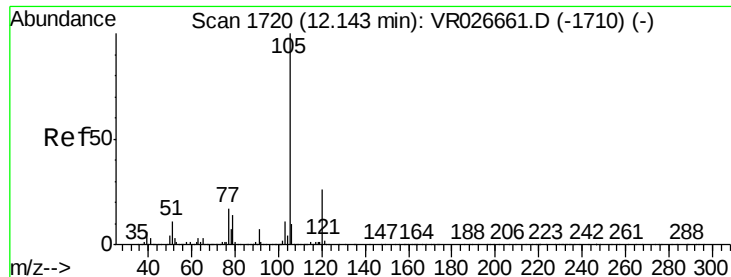
Tot Ion:106 Resp: 200997
Ion Ratio Lower Upper
106 100
91 225.1 164.5 305.5



#55
Styrene
Concen: 5.805 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VR026664.D
Acq: 11 Oct 2019 13:54

Tgt Ion:104 Resp: 286771
Ion Ratio Lower Upper
104 100
78 47.5 34.1 63.3





#56

Isopropylbenzene

Concen: 5.837 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampled :

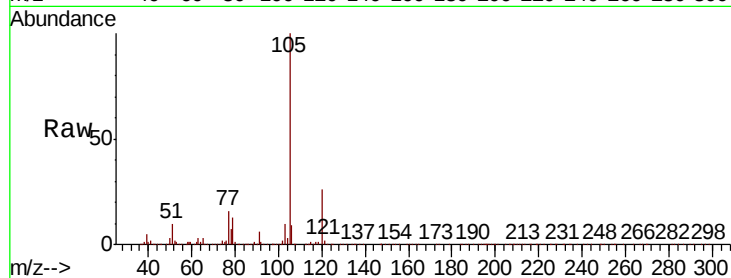
Tot Ion:105 Resp: 593204

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

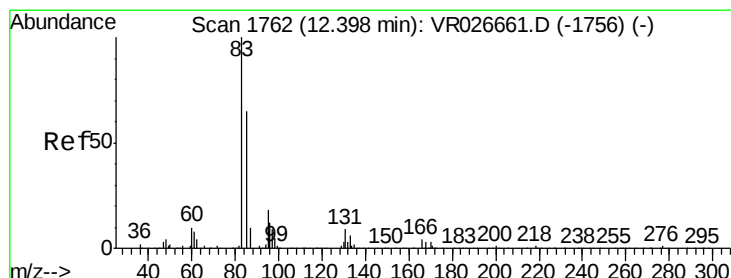
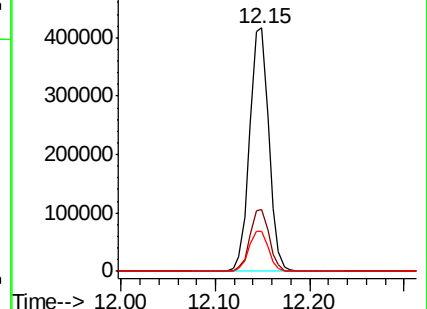
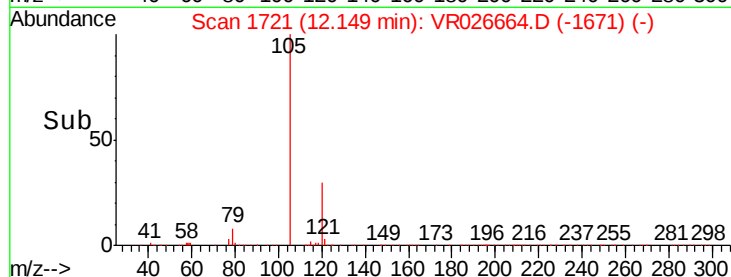
77 16.7 13.8 20.6



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: 4.916 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

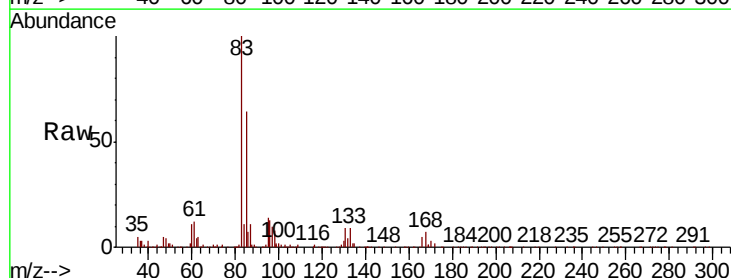
Tgt Ion: 83 Resp: 48916

Ion Ratio Lower Upper

83 100

85 63.9 46.2 85.8

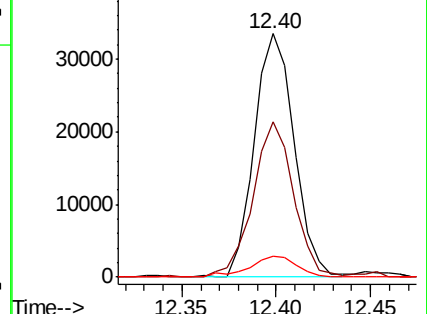
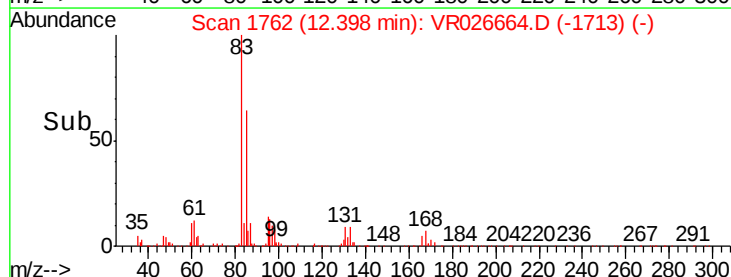
131 8.5 7.4 11.0

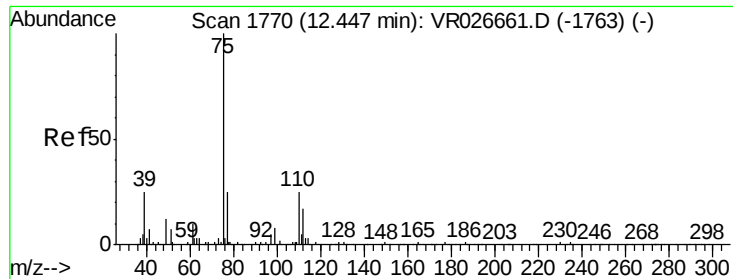


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

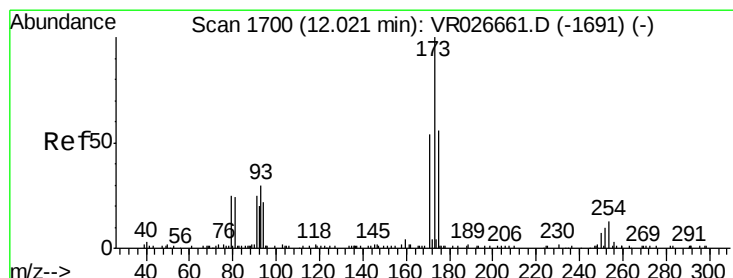
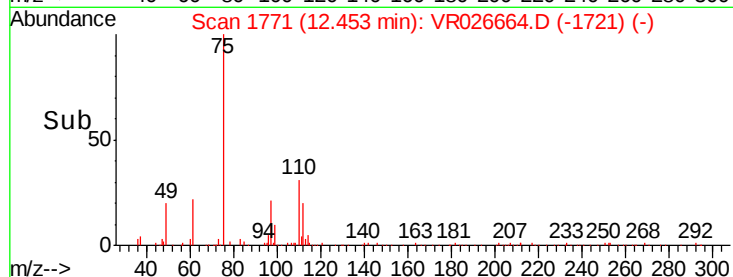
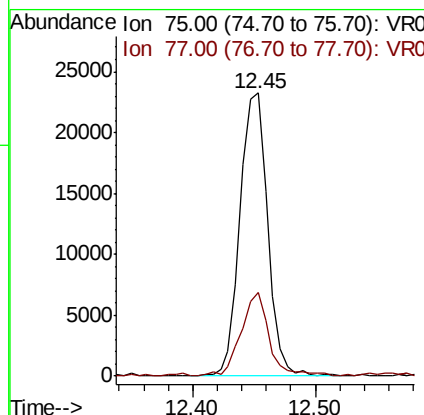
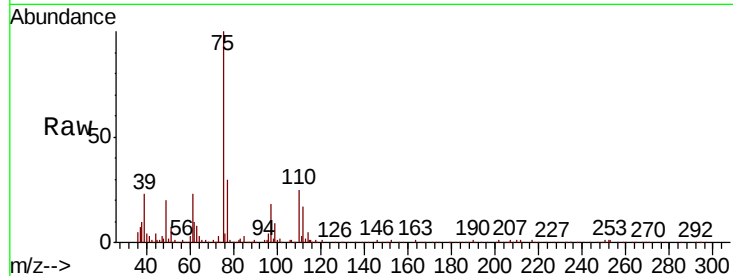




#59
 1,2,3-Trichloropropane
 Concen: 5.034 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

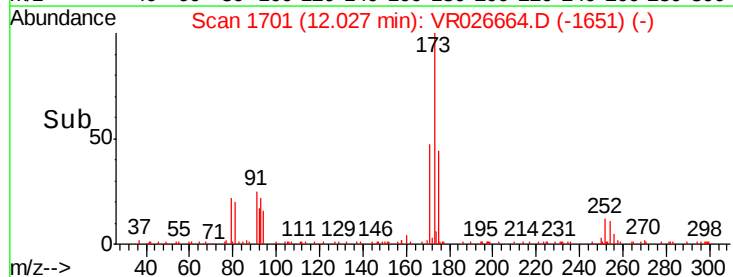
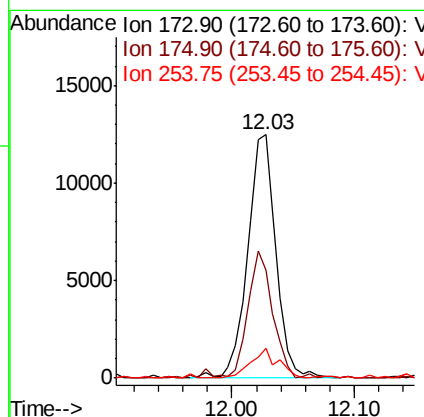
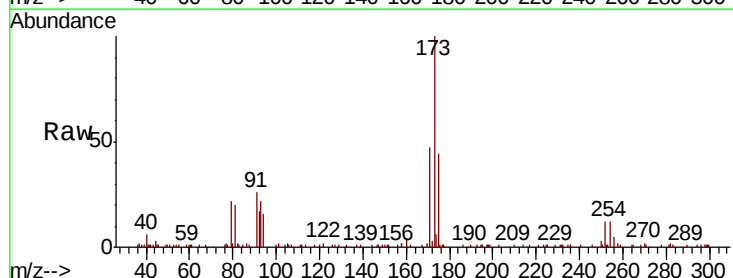
Instrument :
 MSVOA_R
 ClientSampled :

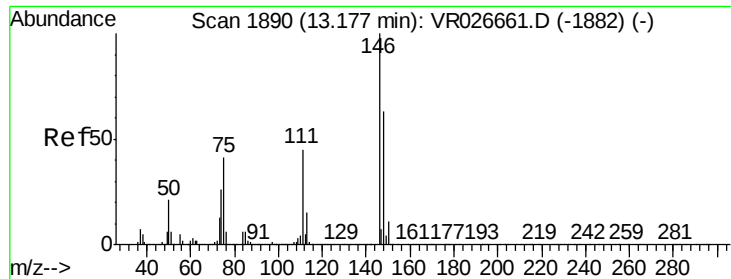
Tot Ion: 75 Resp: 36412
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.6



#61
 Bromoform
 Concen: 5.258 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Tgt Ion: 173 Resp: 20028
 Ion Ratio Lower Upper
 173 100
 175 43.9 42.0 63.0
 254 11.8 10.5 15.7





#62

1,3-Dichlorobenzene

Concen: 5.463 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampleId :

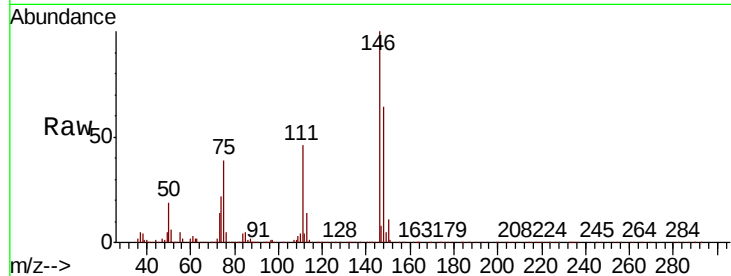
Tot Ion:146 Resp: 184268

Ion Ratio Lower Upper

146 100

111 45.6 31.8 59.0

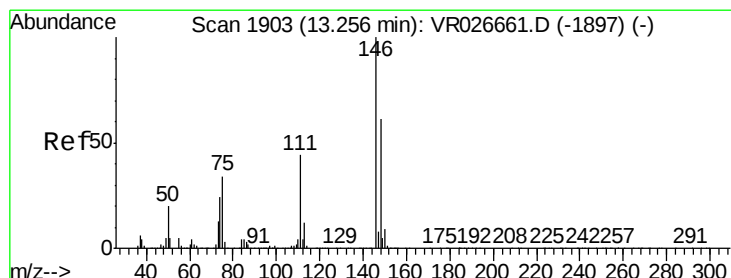
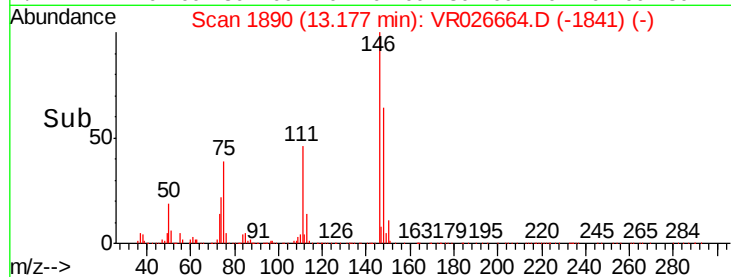
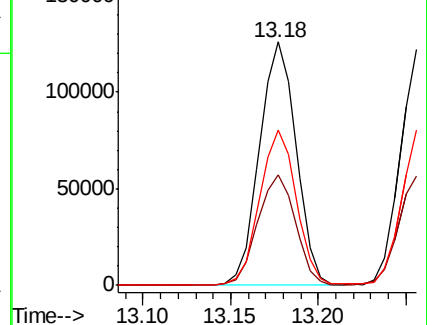
148 63.5 43.8 81.4



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: 5.161 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

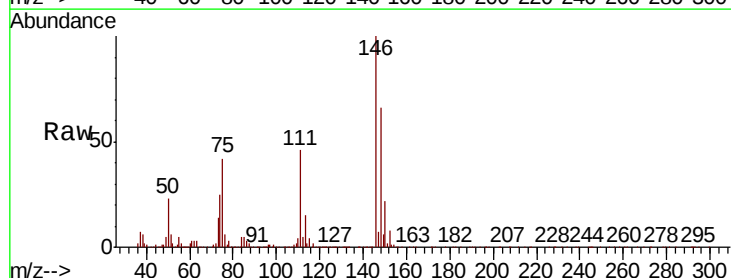
Tgt Ion:146 Resp: 175897

Ion Ratio Lower Upper

146 100

111 46.4 30.5 56.7

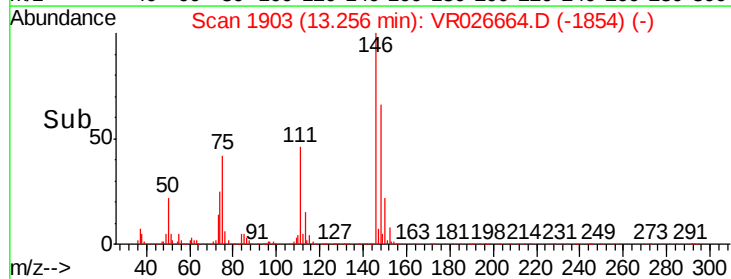
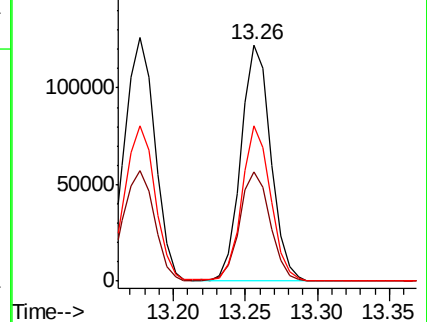
148 65.7 43.1 80.1

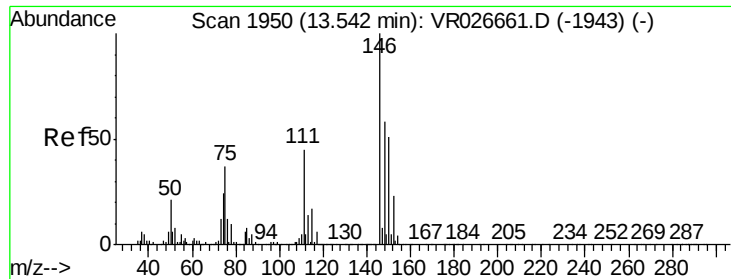


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.390 ug/L

RT: 13.55 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampleId :

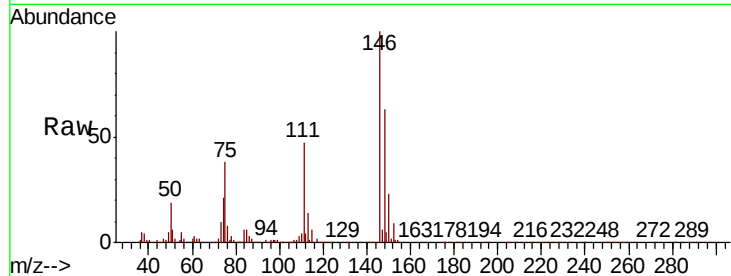
Tot Ion:146 Resp: 154900

Ion Ratio Lower Upper

146 100

111 47.4 36.4 54.6

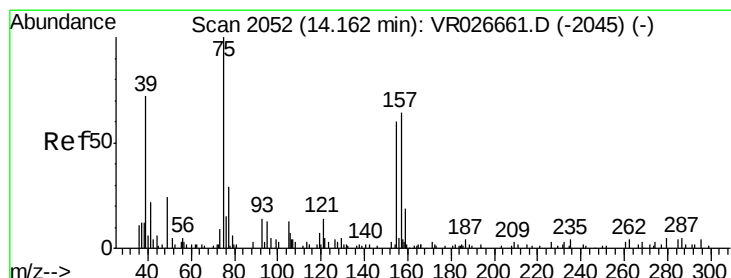
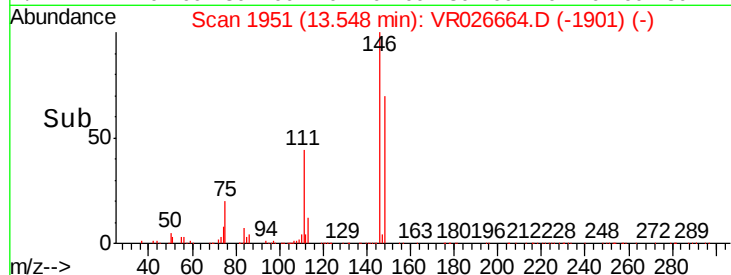
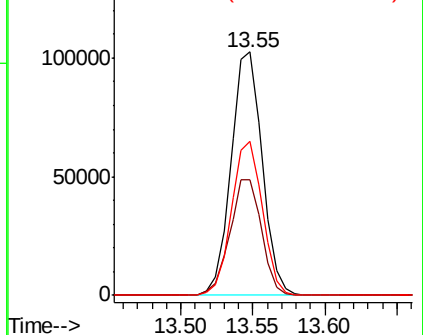
148 63.5 46.6 70.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.994 ug/L

RT: 14.17 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

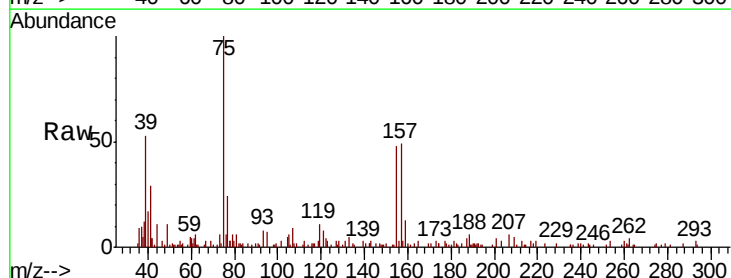
Tgt Ion: 75 Resp: 7350

Ion Ratio Lower Upper

75 100

155 47.8 48.3 72.5#

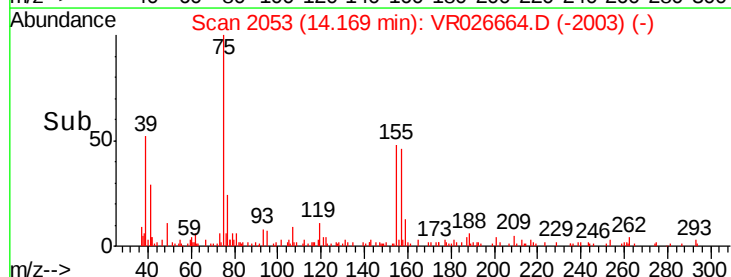
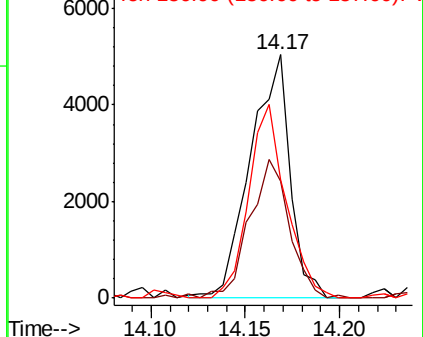
157 48.6 50.9 76.3#

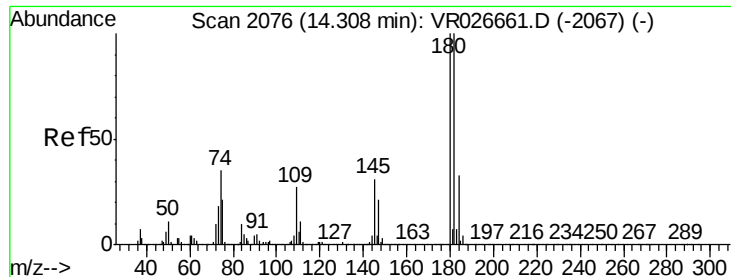


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

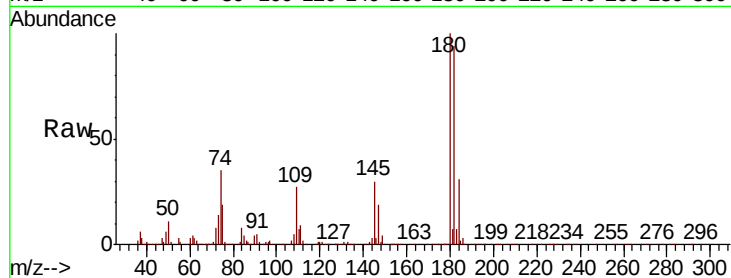




#67
 1,3,5-Trichlorobenzene
 Concen: 5.484 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.2	117.4
184	30.0	25.7	38.5
145	32.0	27.2	40.8



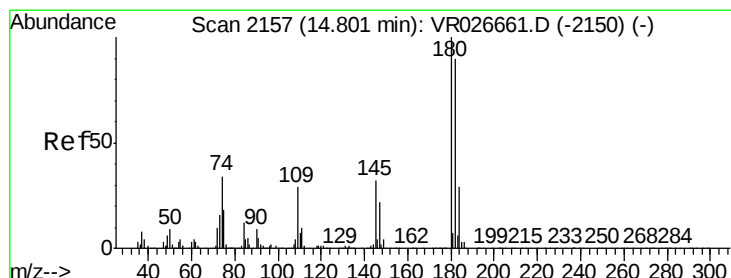
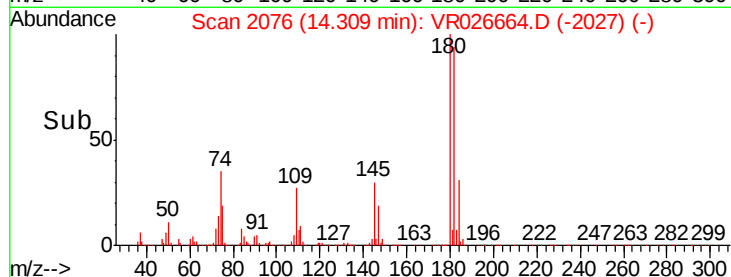
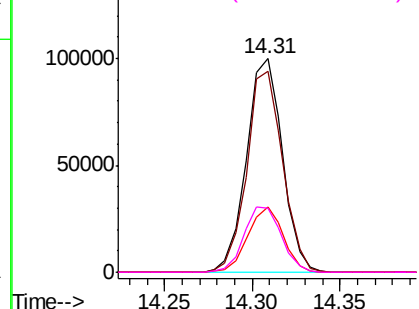
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

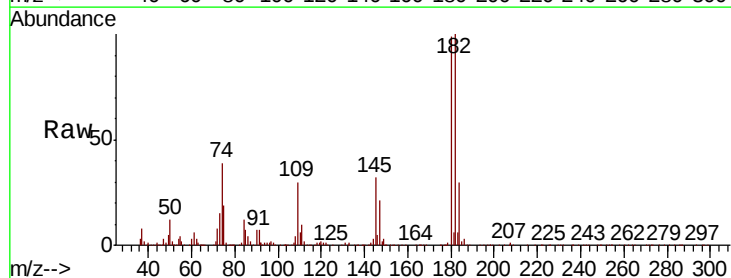
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.642 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026664.D
 Acq: 11 Oct 2019 13:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.2	112.8
145	31.5	26.2	39.2

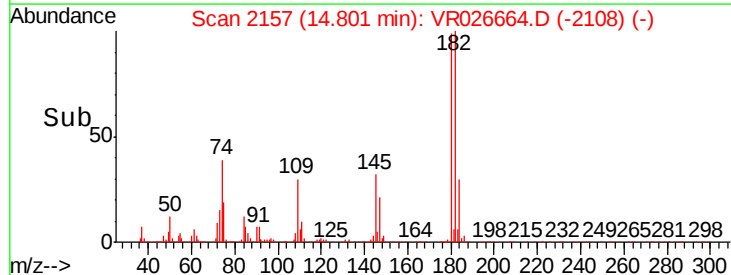
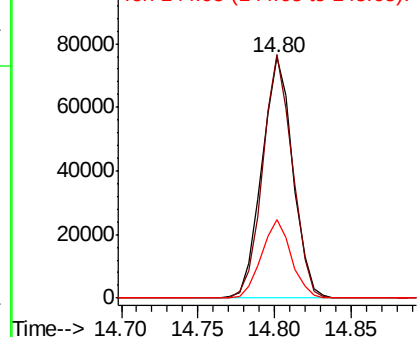


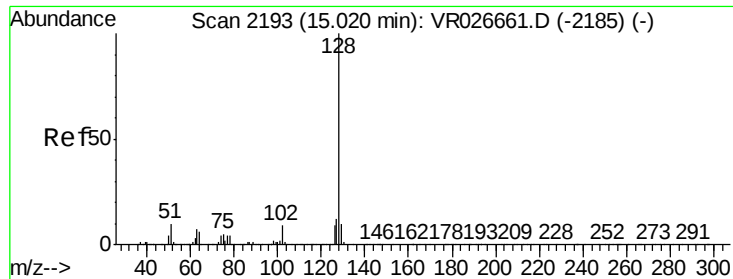
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.671 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Instrument :

MSVOA_R

ClientSampleId :

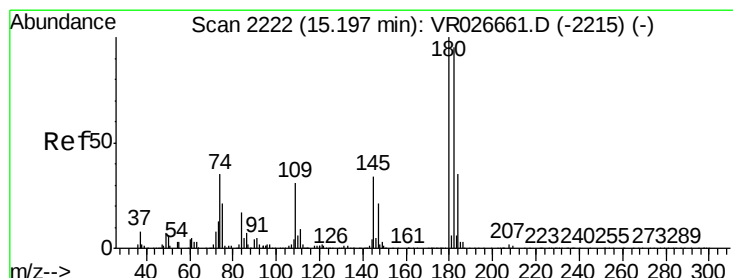
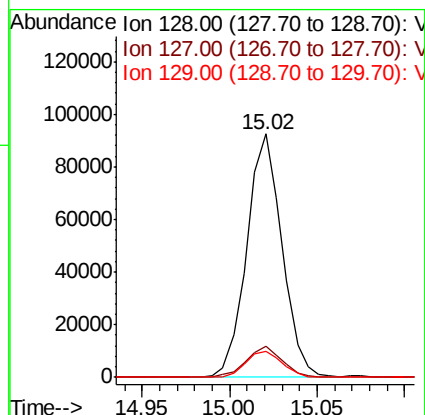
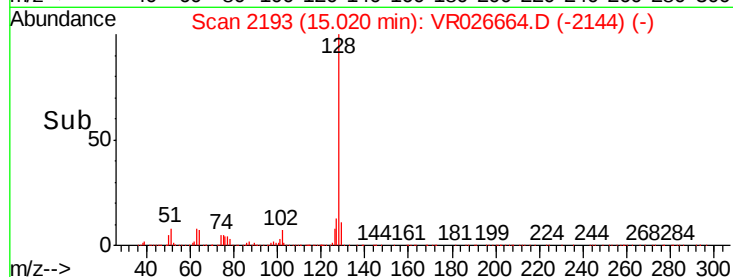
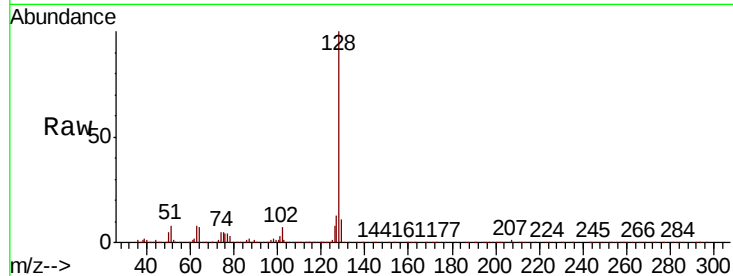
Tot Ion:128 Resp: 129228

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.3 8.6 12.8



#70

1,2,3-Trichlorobenzene

Concen: 5.671 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026664.D

Acq: 11 Oct 2019 13:54

Tgt Ion:180 Resp: 94264

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 34.9 28.0 42.0

