

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026661.D
 Acq On : 11 Oct 2019 11:06
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:35:51 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	218903	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	177371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	85687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	66505	5.25	ug/L	0.00
7) Chloroethane-d5	2.64	69	54360	4.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.65	63	149786	4.74	ug/L	0.00
20) 2-Butanone-d5	6.62	46	95736	54.88	ug/L	0.00
24) Chloroform-d	7.23	84	198454	5.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	69396	5.02	ug/L	0.00
32) Benzene-d6	7.88	84	420804	5.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	104797	5.39	ug/L	0.00
41) Toluene-d8	9.99	98	363560	5.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	26995	5.19	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	74592	58.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	46001	5.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	83690	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	164214	4.653 ug/L	100
3) Chloromethane	2.06	50	85081	4.693 ug/L	100
5) Vinyl chloride	2.20	62	84778	4.891 ug/L	100
6) Bromomethane	2.54	94	54247	4.717 ug/L	100
8) Chloroethane	2.68	64	49053	4.863 ug/L	100
9) Trichlorofluoromethane	2.98	101	149582	4.571 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	65588	4.733 ug/L	100
12) 1,1-Dichloroethene	3.64	96	32602	2.495 ug/L #	66
13) Acetone	3.74	43	57445	45.238 ug/L	100
14) Carbon disulfide	3.97	76	436614	4.892 ug/L	100
15) Methyl Acetate	4.22	43	24400	4.552 ug/L	100
16) Methylene chloride	4.43	84	115363	4.196 ug/L	100
17) Methyl tert-butyl Ether	4.93	73	112117	4.836 ug/L	100
18) trans-1,2-Dichloroethene	4.91	96	124123	4.895 ug/L	100
19) 1,1-Dichloroethane	5.72	63	220349	5.012 ug/L	100
21) 2-Butanone	6.72	43	109694	53.835 ug/L	100
22) cis-1,2-Dichloroethene	6.70	96	116461	5.058 ug/L	100
23) Bromochloromethane	7.08	128	30197	4.518 ug/L	100
25) Chloroform	7.25	83	197793	4.562 ug/L	100
27) 1,2-Dichloroethane	8.02	62	78341	4.724 ug/L	100
29) 1,1,1-Trichloroethane	7.46	97	156377	4.892 ug/L	100
30) Cyclohexane	7.54	56	226869	6.239 ug/L	100
31) Carbon tetrachloride	7.67	117	142158	4.781 ug/L	100
33) Benzene	7.93	78	491806	5.386 ug/L	100
34) Trichloroethene	8.73	95	115725	4.823 ug/L	100
35) Methylcyclohexane	8.97	83	207561	5.800 ug/L	100
37) 1,2-Dichloropropane	9.02	63	95832	5.259 ug/L	100
38) Bromodichloromethane	9.30	83	97241	4.751 ug/L	100
39) cis-1,3-Dichloropropene	9.73	75	105480	5.256 ug/L	100
40) 4-Methyl-2-pentanone	9.88	43	257452	59.596 ug/L	100

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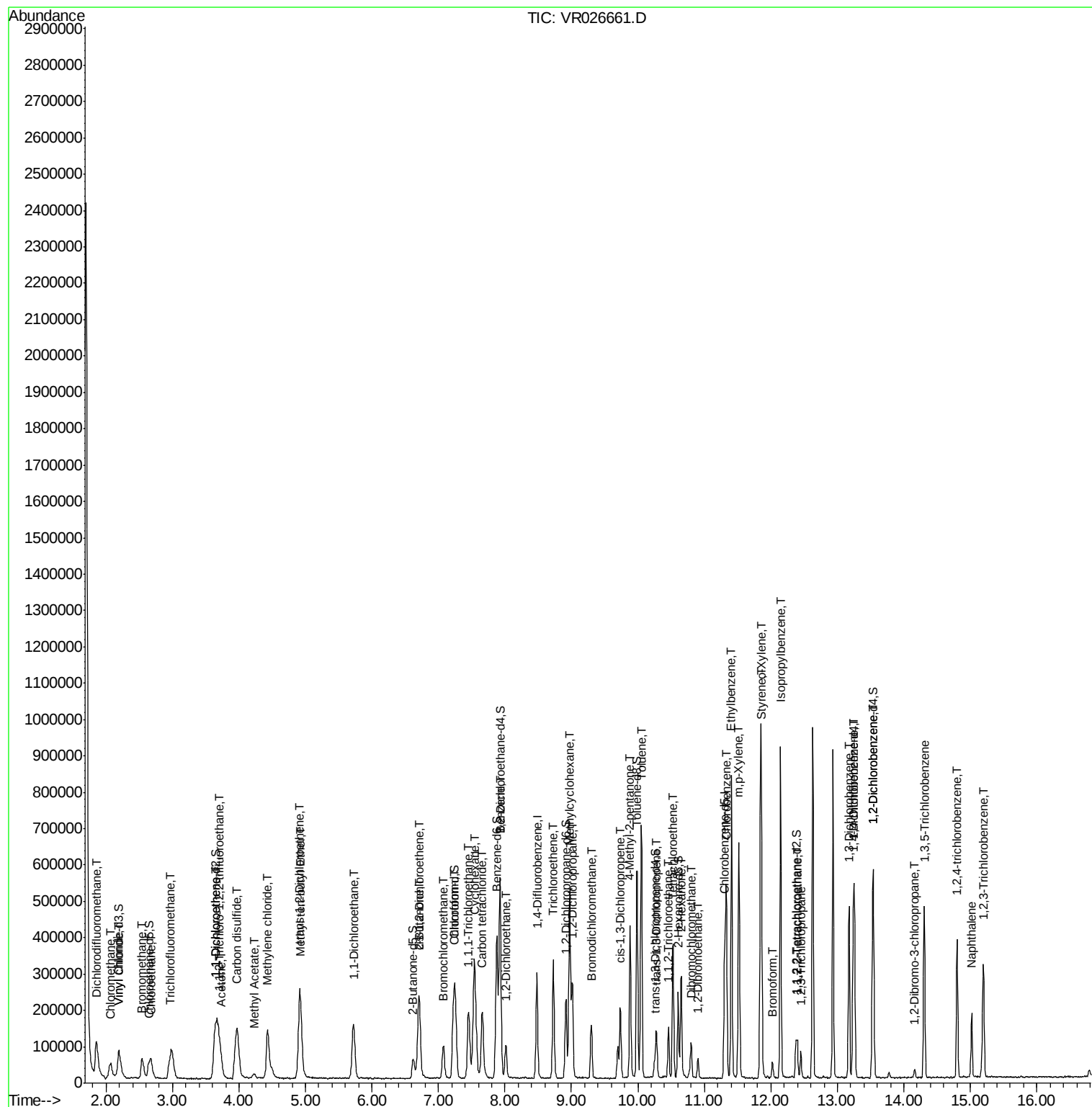
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	471879	5.815	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	65896	5.029	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	40245	4.672	ug/L	100
47) Tetrachloroethene	10.53	164	73604	4.941	ug/L	100
48) 2-Hexanone	10.65	43	166121	57.325	ug/L	100
49) Dibromochloromethane	10.80	129	44702	4.868	ug/L	100
50) 1,2-Dibromoethane	10.90	107	33477	4.693	ug/L	100
51) Chlorobenzene	11.33	112	239983	4.970	ug/L	100
52) Ethylbenzene	11.41	91	515606	5.746	ug/L	100
53) m,p-Xylene	11.52	106	184781	5.580	ug/L	100
54) o-Xylene	11.84	106	176650	5.830	ug/L	100
55) Styrene	11.86	104	255011	5.824	ug/L	100
56) Isopropylbenzene	12.14	105	519336	5.825	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	43786	4.836	ug/L	100
59) 1,2,3-Trichloropropane	12.45	75	33252	4.909	ug/L	100
61) Bromoform	12.02	173	16642	4.521	ug/L	100
62) 1,3-Dichlorobenzene	13.18	146	159622	4.903	ug/L	100
63) 1,4-Dichlorobenzene	13.26	146	157716	4.763	ug/L	100
65) 1,2-Dichlorobenzene	13.54	146	139681	4.984	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.16	75	6032	3.762	ug/L	100
67) 1,3,5-Trichlorobenzene	14.31	180	120179	4.808	ug/L	100
68) 1,2,4-trichlorobenzene	14.80	180	93782	4.902	ug/L	100
69) Naphthalene	15.02	128	113182	5.233	ug/L	100
70) 1,2,3-Trichlorobenzene	15.20	180	81711	4.778	ug/L	100

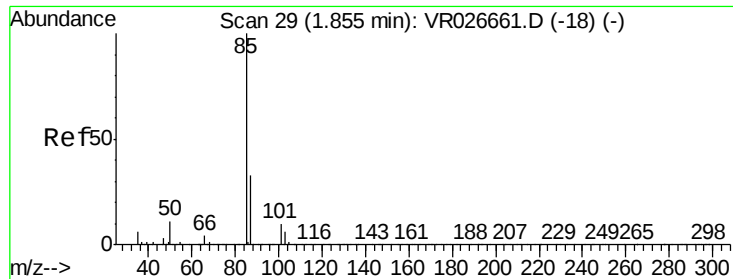
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.653 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

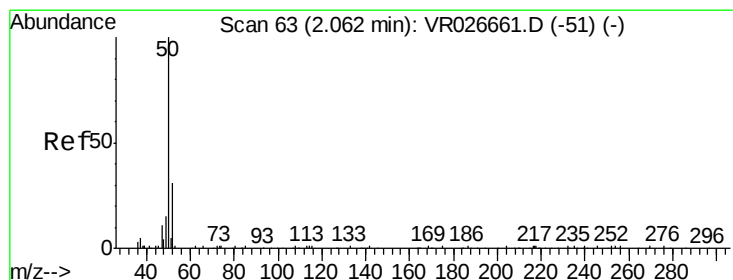
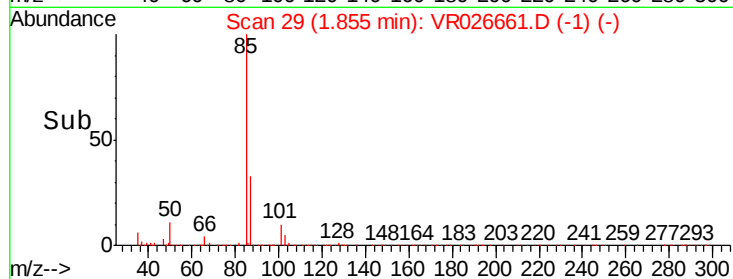
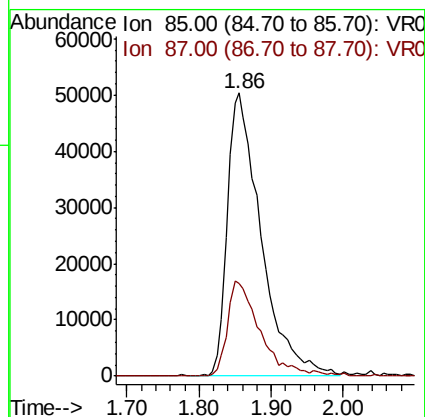
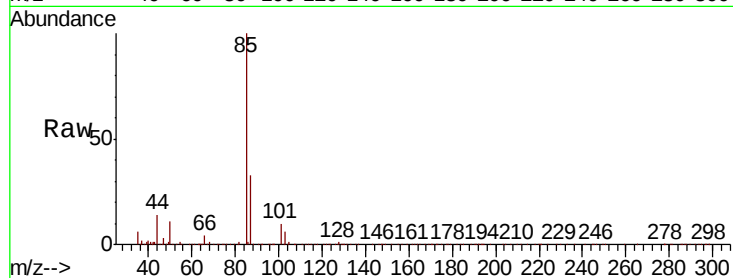
ClientSampleId :

Tot Ion: 85 Resp: 164214

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



#3

Chloromethane

Concen: 4.693 ug/L

RT: 2.06 min Scan# 63

Delta R.T. 0.00 min

Lab File: VR026661.D

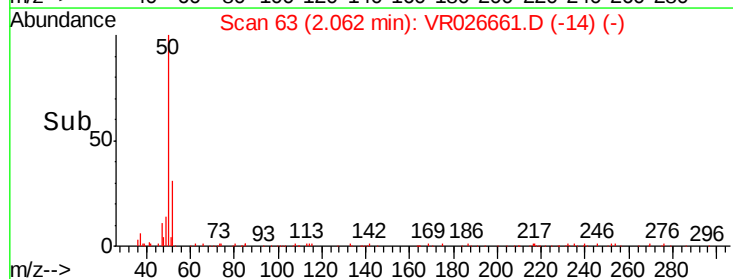
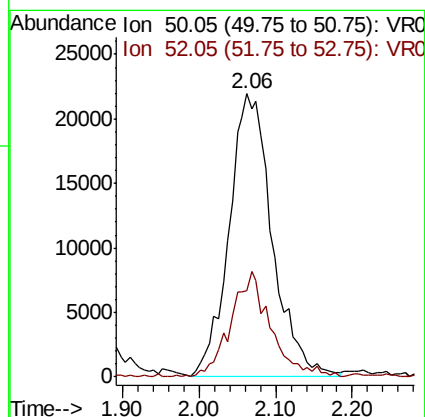
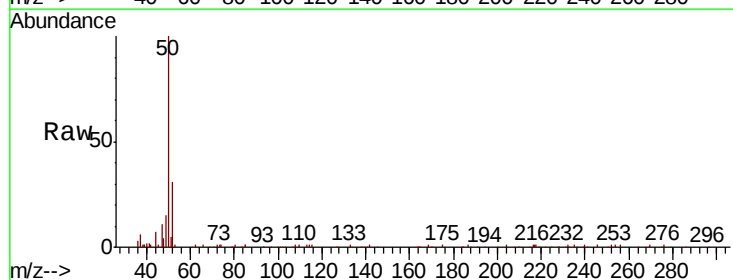
Acq: 11 Oct 2019 11:06

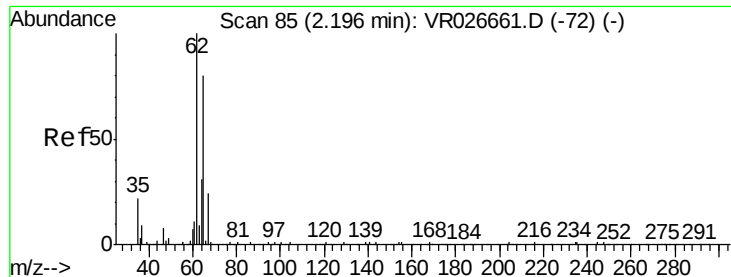
Tgt Ion: 50 Resp: 85081

Ion Ratio Lower Upper

50 100

52 30.5 21.3 39.6





#5

Vinyl chloride

Concen: 4.891 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

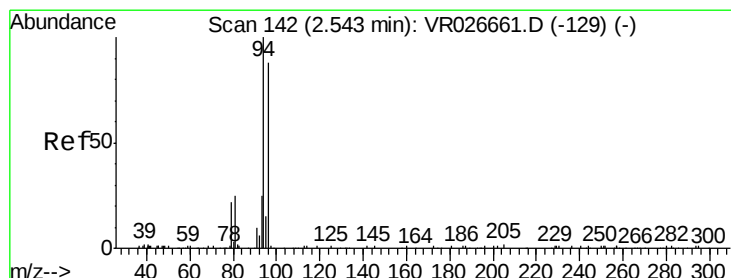
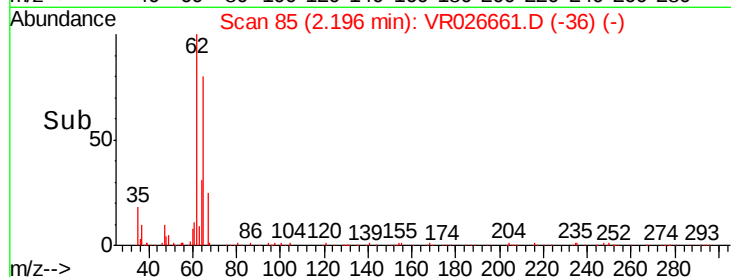
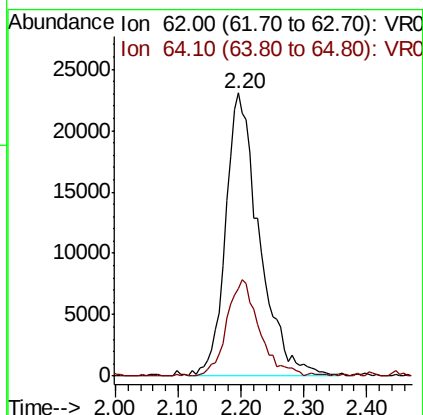
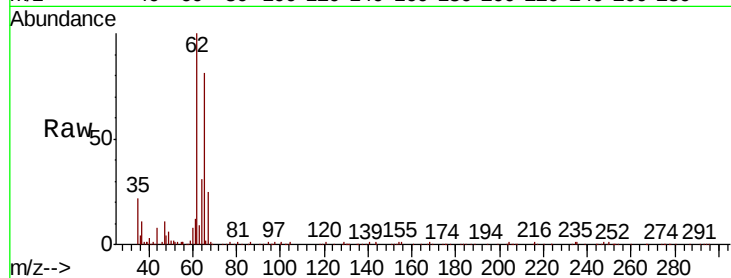
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 84778

Ion Ratio Lower Upper

62 100

64 30.8 21.6 40.0



#6

Bromomethane

Concen: 4.717 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.00 min

Lab File: VR026661.D

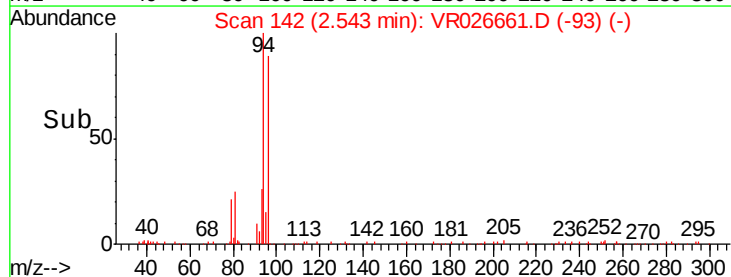
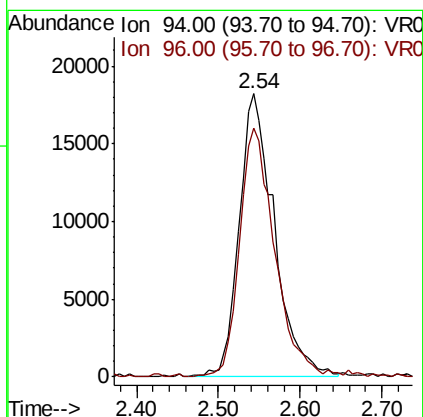
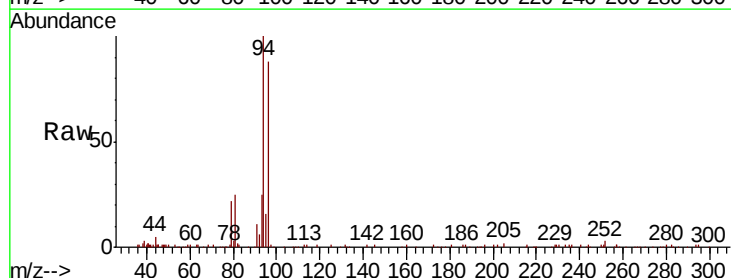
Acq: 11 Oct 2019 11:06

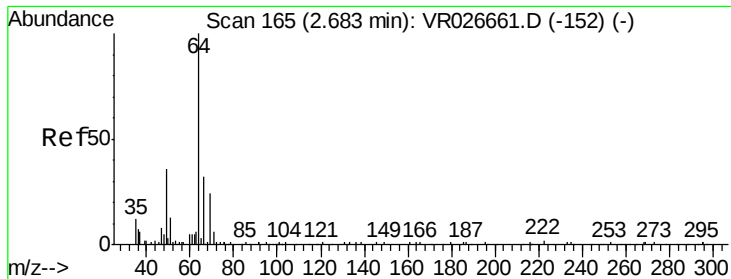
Tgt Ion: 94 Resp: 54247

Ion Ratio Lower Upper

94 100

96 88.1 61.7 114.5





#8

Chloroethane

Concen: 4.863 ug/L

RT: 2.68 min Scan# 165

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

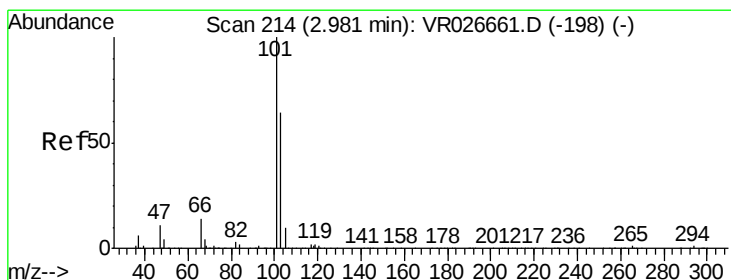
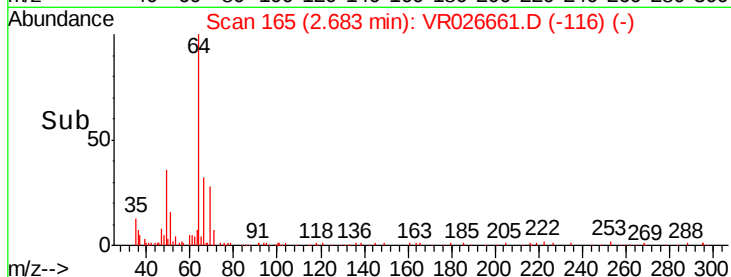
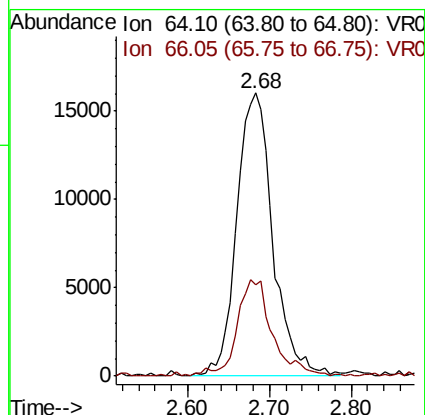
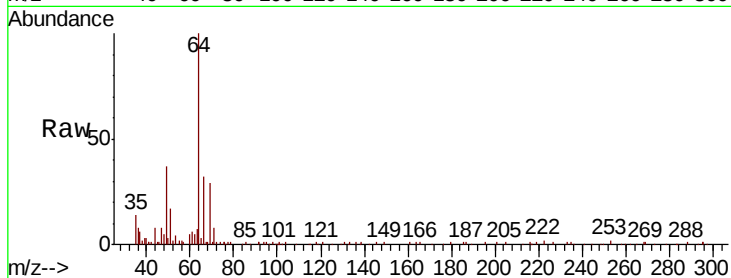
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 64 Resp: 49053

Ion Ratio Lower Upper

64 100

66 32.3 22.6 42.0



#9

Trichlorofluoromethane

Concen: 4.571 ug/L

RT: 2.98 min Scan# 214

Delta R.T. 0.00 min

Lab File: VR026661.D

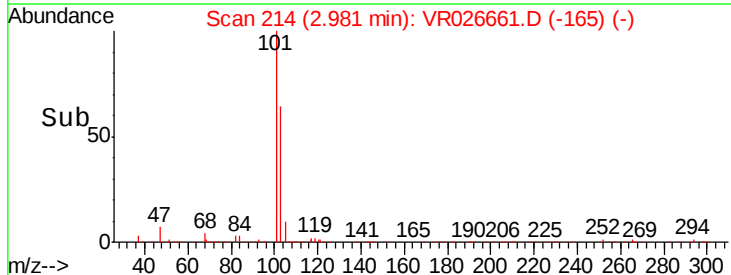
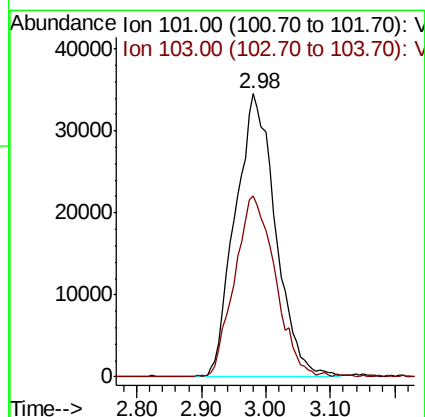
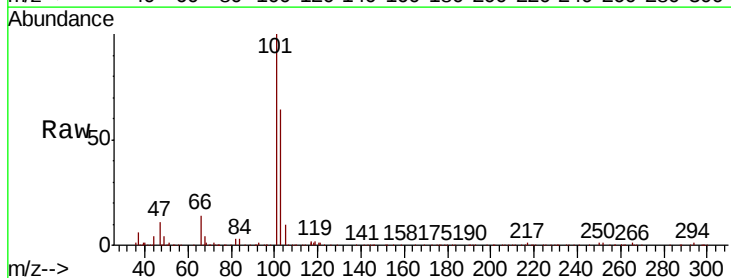
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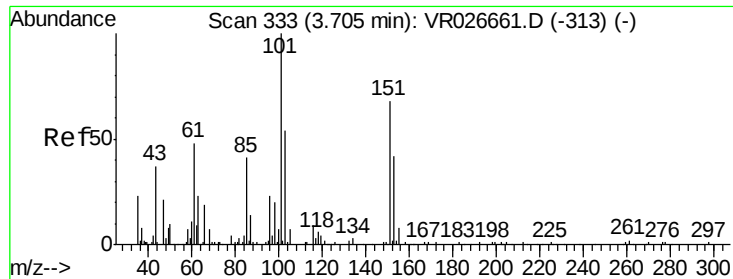
Tgt Ion: 101 Resp: 149582

Ion Ratio Lower Upper

101 100

103 64.5 51.6 77.4





#10

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

Concen: 4.733 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

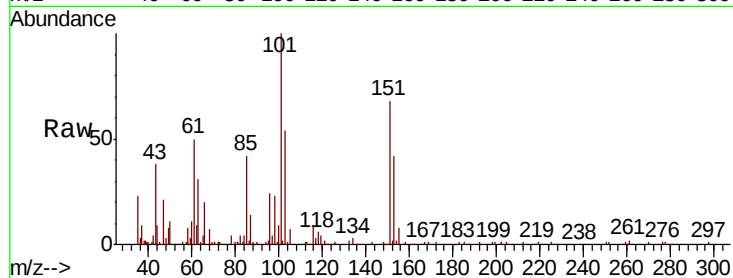
Tot Ion:101 Resp: 65588

Ion Ratio Lower Upper

101 100

85 52.3 41.8 62.8

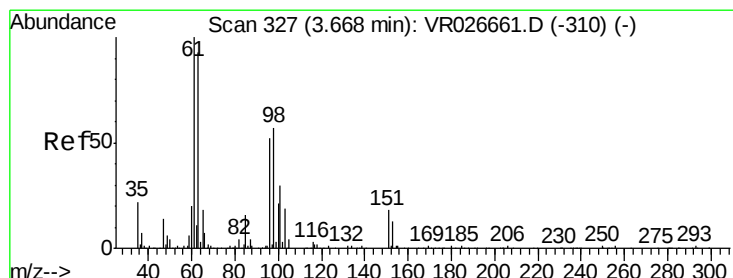
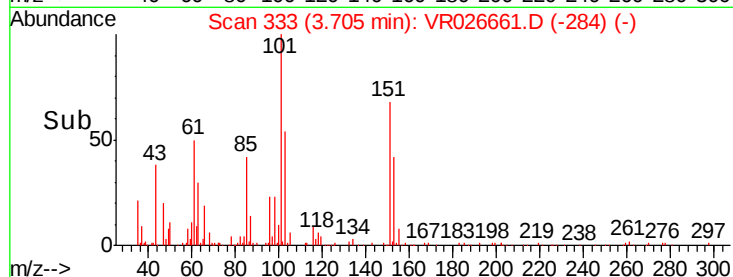
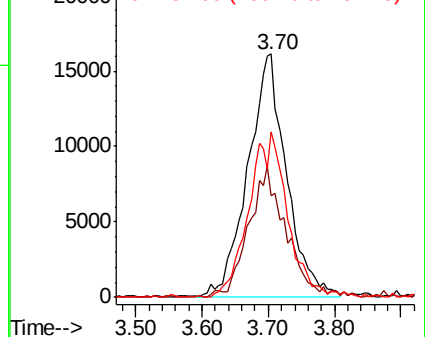
151 34.9 27.9 41.9



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: 2.495 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.02 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

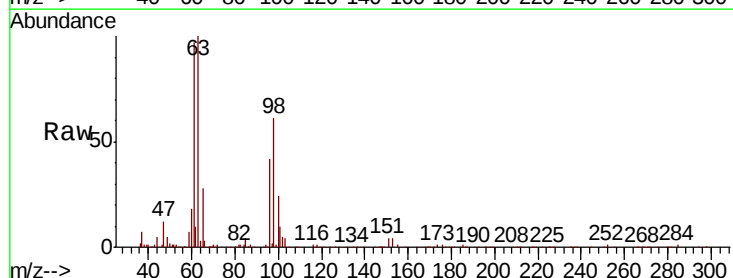
Tgt Ion: 96 Resp: 32602

Ion Ratio Lower Upper

96 100

61 230.4 133.7 248.3

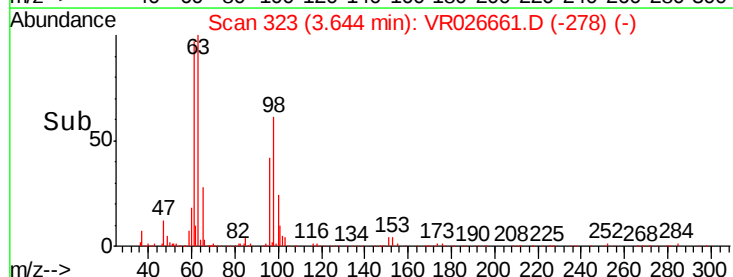
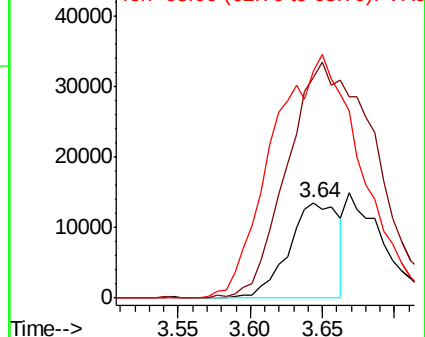
63 237.7 124.6 231.4#

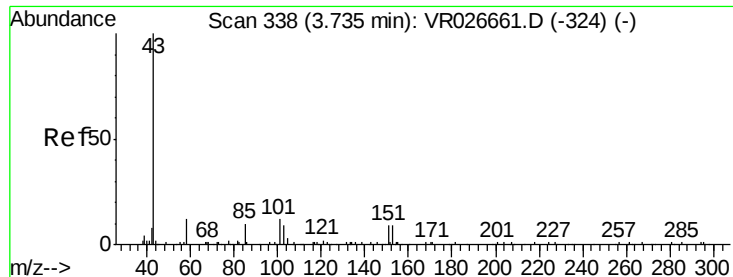


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

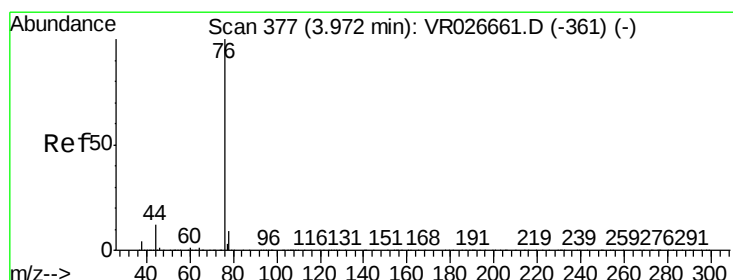
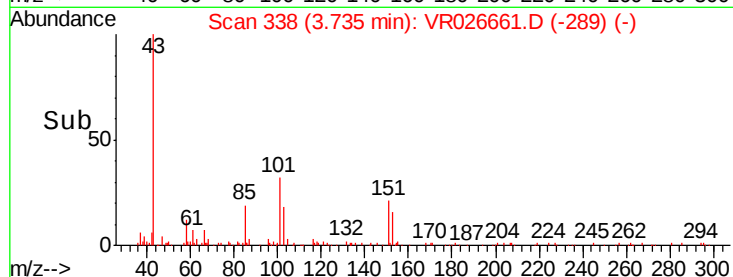
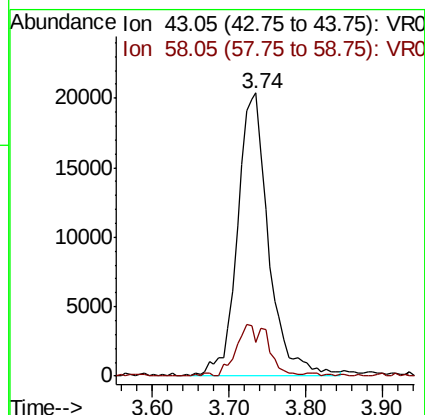
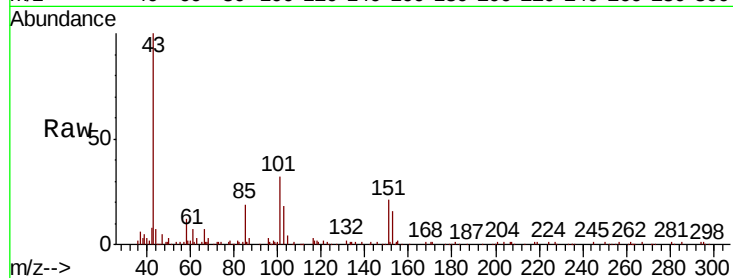




#13
Acetone
Concen: 45.238 ug/L
RT: 3.74 min Scan# 338
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

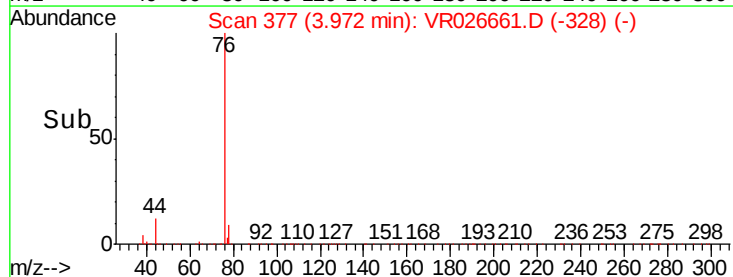
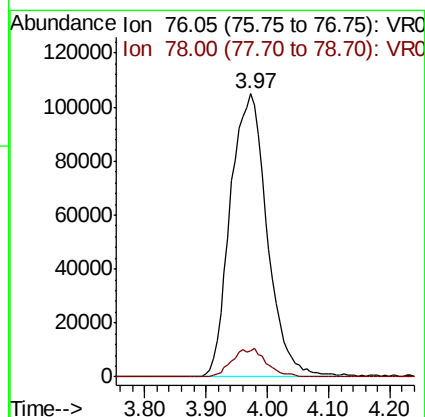
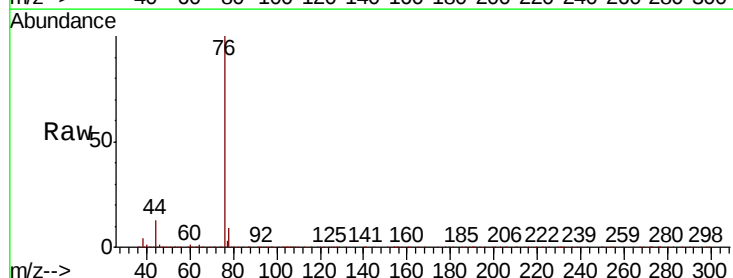
Instrument :
MSVOA_R
ClientSampleId :

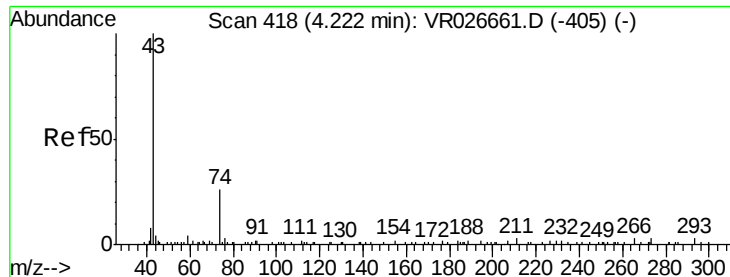
Tot Ion: 43 Resp: 57445
Ion Ratio Lower Upper
43 100
58 11.4 0.0 22.8



#14
Carbon disulfide
Concen: 4.892 ug/L
RT: 3.97 min Scan# 377
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion: 76 Resp: 436614
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

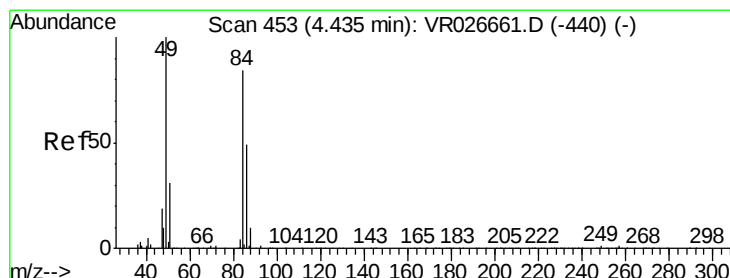
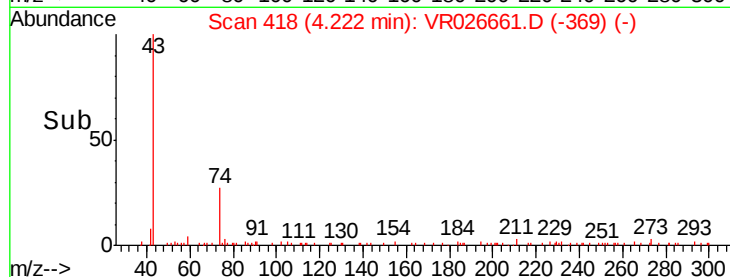
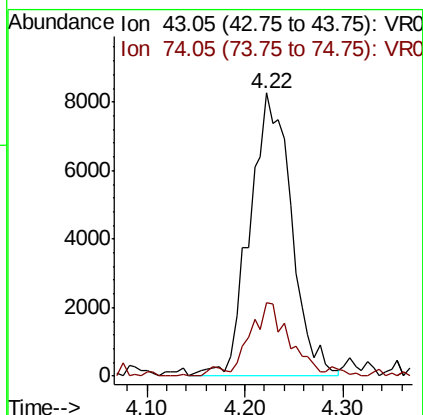
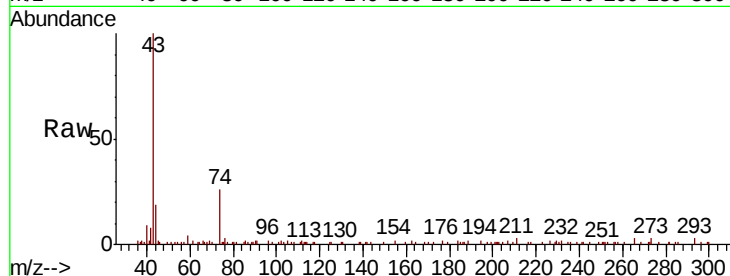




#15
Methyl Acetate
Concen: 4.552 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

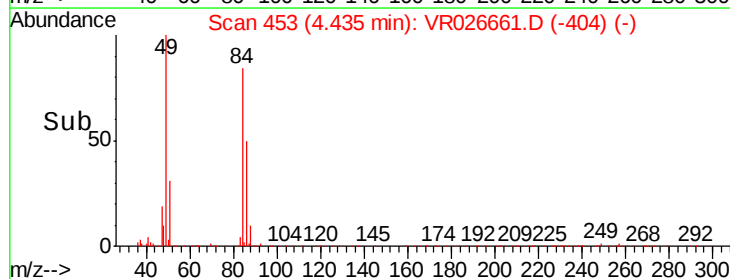
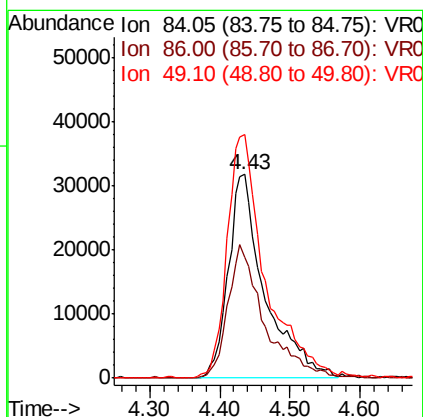
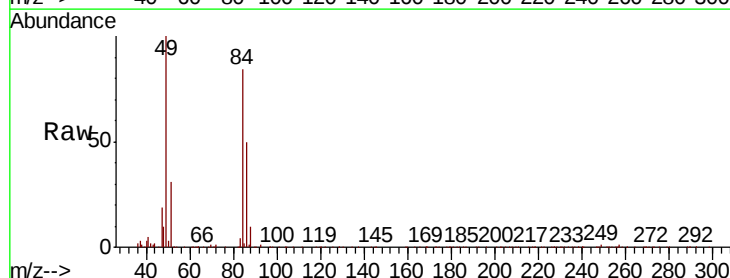
Instrument :
MSVOA_R
ClientSampleId :

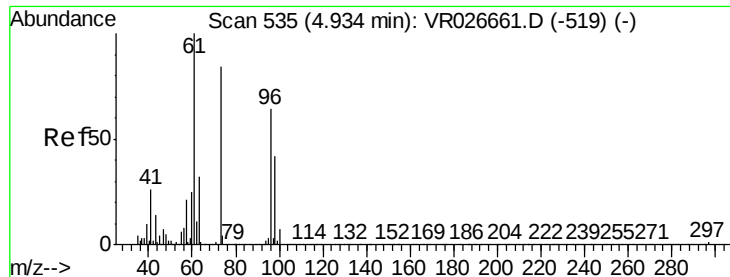
Tot Ion: 43 Resp: 24400
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 4.196 ug/L
RT: 4.43 min Scan# 453
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion: 84 Resp: 115363
Ion Ratio Lower Upper
84 100
86 59.4 41.6 77.2
49 119.6 83.7 155.5

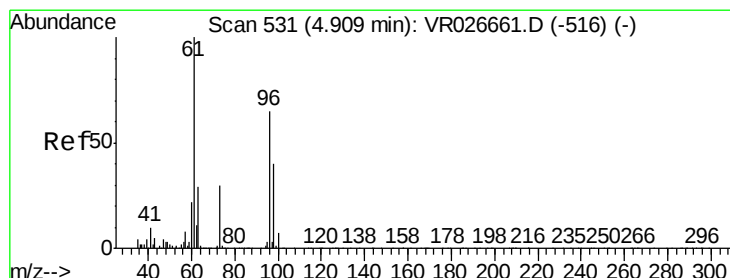
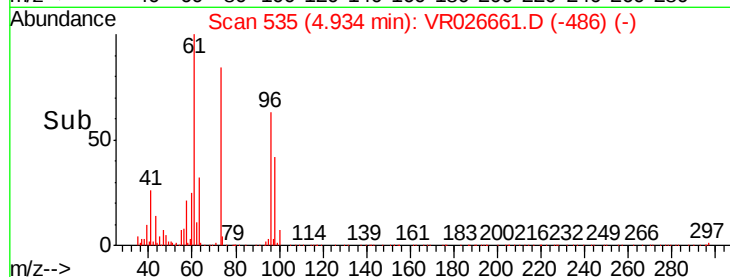
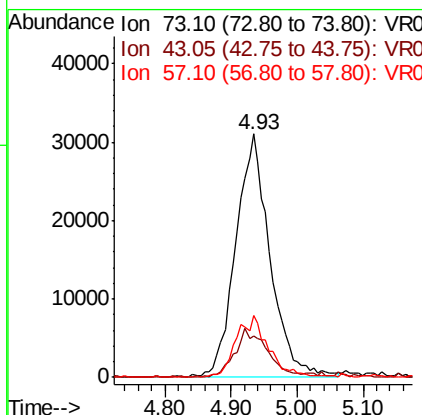
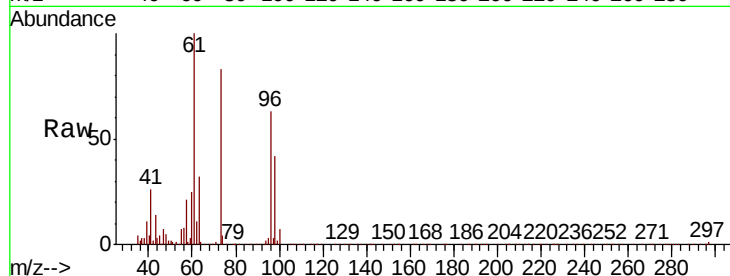




#17
Methvl tert-butvl Ether
Concen: 4.836 ug/L
RT: 4.93 min Scan# 535
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

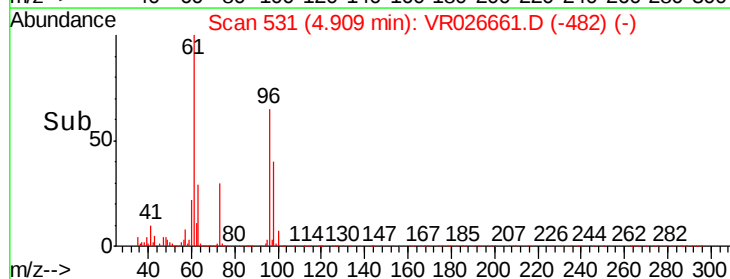
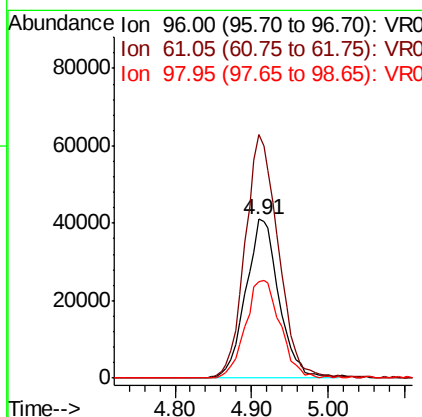
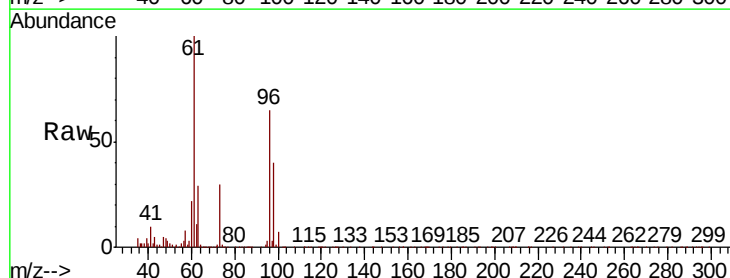
Instrument :
MSVOA_R
ClientSampleId :

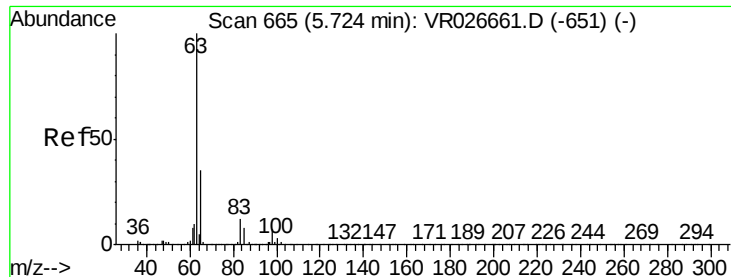
Tot Ion:	73	Resp:	112117
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.1	22.7
57	23.9	19.1	28.7



#18
trans-1,2-Dichloroethene
Concen: 4.895 ug/L
RT: 4.91 min Scan# 531
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion:	96	Resp:	124123
Ion	Ratio	Lower	Upper
96	100		
61	153.1	107.2	199.0
98	60.7	42.5	78.9





#19

1,1-Dichloroethane

Concen: 5.012 ug/L

RT: 5.72 min Scan# 665

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

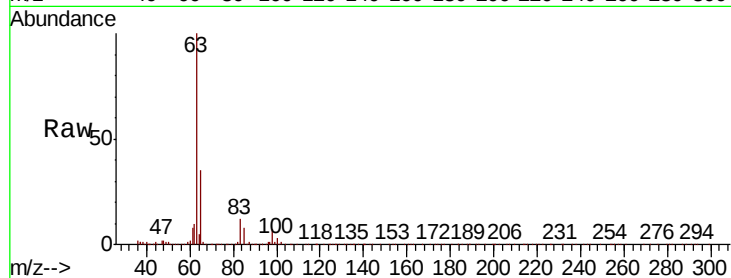
Tot Ion: 63 Resp: 220349

Ion Ratio Lower Upper

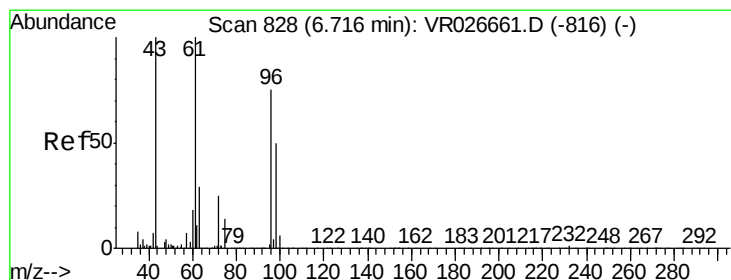
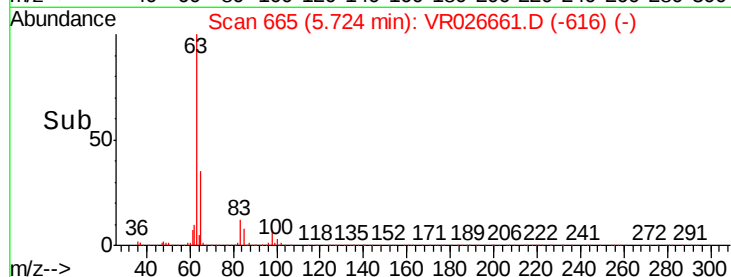
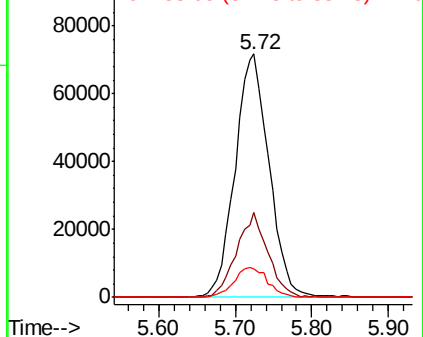
63 100

65 35.0 24.5 45.5

83 11.8 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: 53.835 ug/L

RT: 6.72 min Scan# 828

Delta R.T. 0.00 min

Lab File: VR026661.D

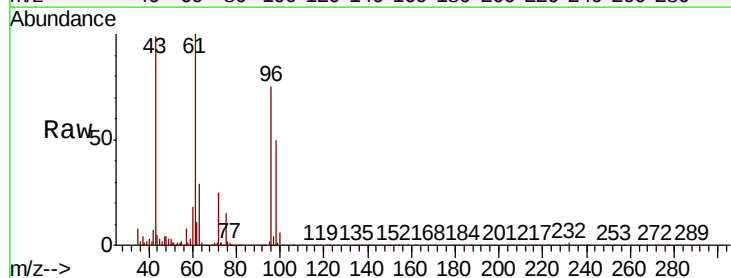
Acq: 11 Oct 2019 11:06

Tgt Ion: 43 Resp: 109694

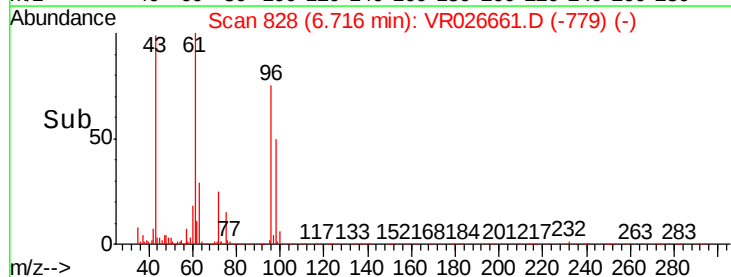
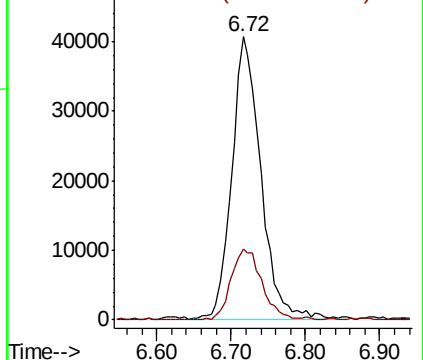
Ion Ratio Lower Upper

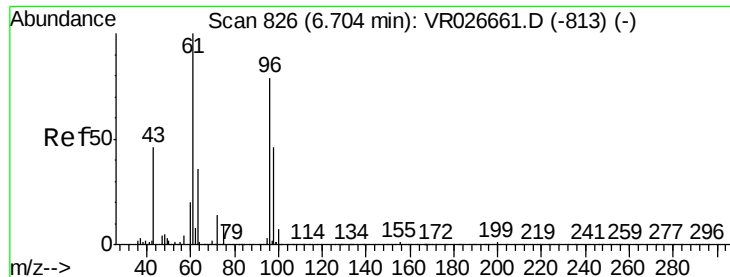
43 100

72 26.4 13.2 39.6



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



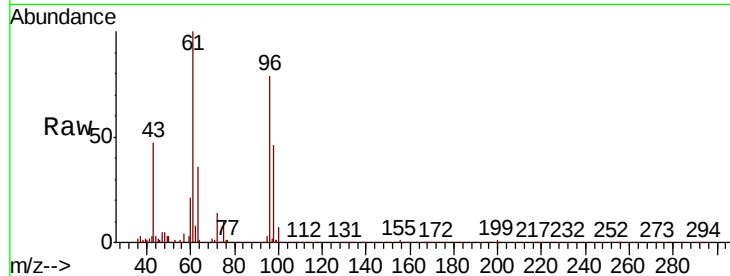


#22

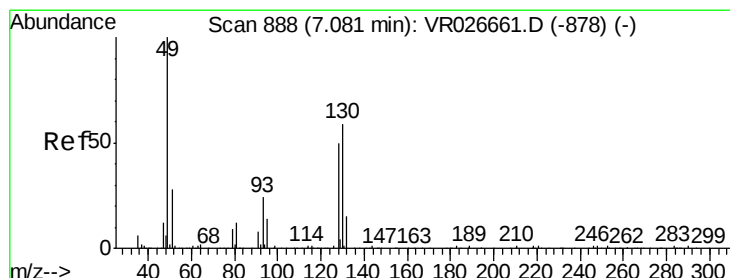
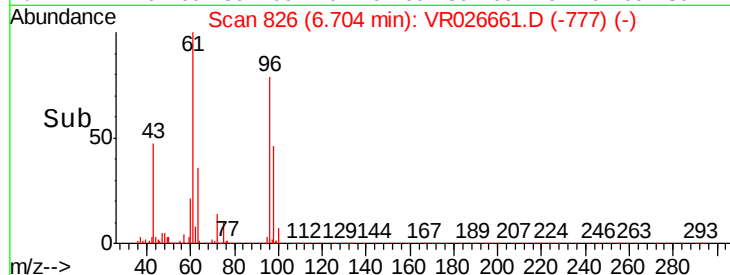
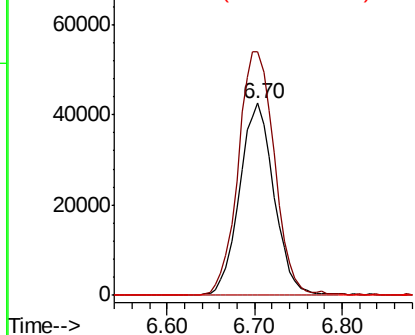
cis-1,2-Dichloroethene
Concen: 5.058 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	88.5	164.4
68	0.2	0.1	0.3



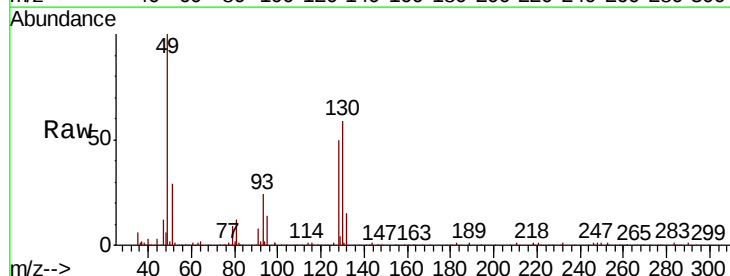
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



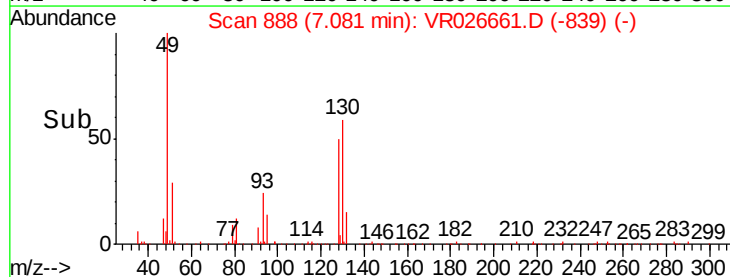
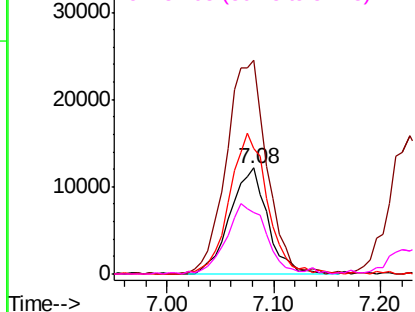
#23

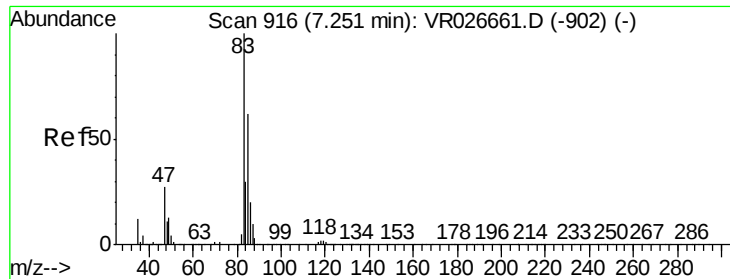
Bromochloromethane
Concen: 4.518 ug/L
RT: 7.08 min Scan# 888
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion	Ratio	Lower	Upper
128	100		
49	201.3	140.9	261.7
130	118.1	82.7	153.5
51	58.2	46.6	69.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0

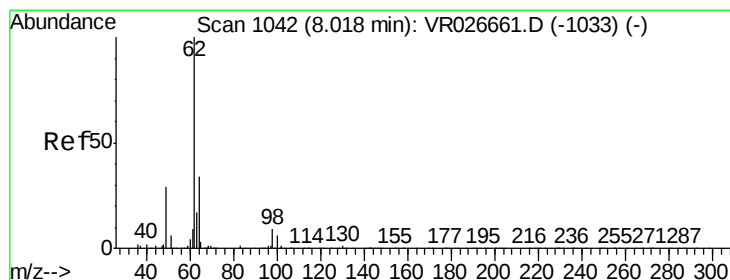
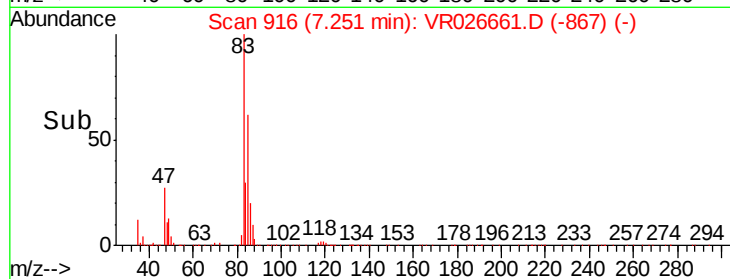
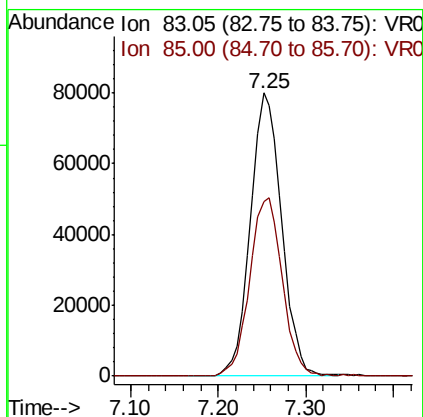
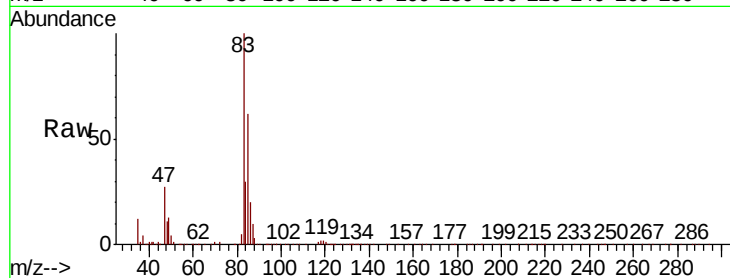




#25
Chloroform
Concen: 4.562 ug/L
RT: 7.25 min Scan# 916
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

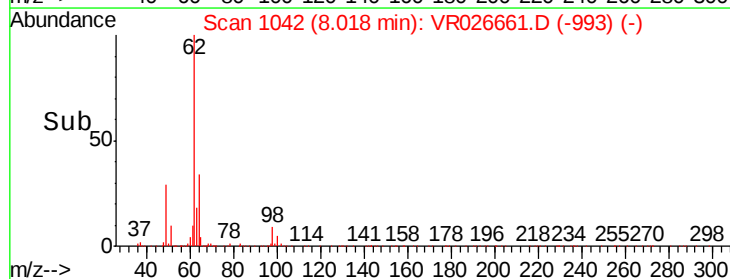
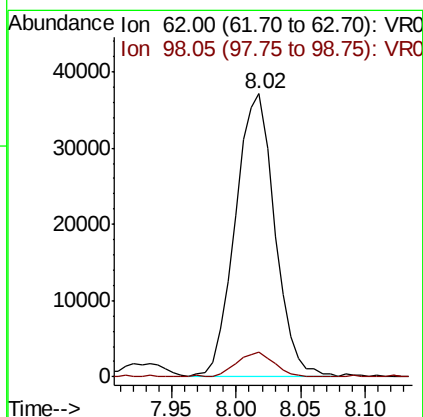
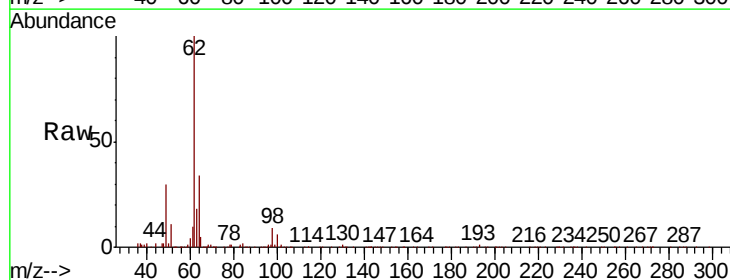
Instrument :
MSVOA_R
ClientSampleId :

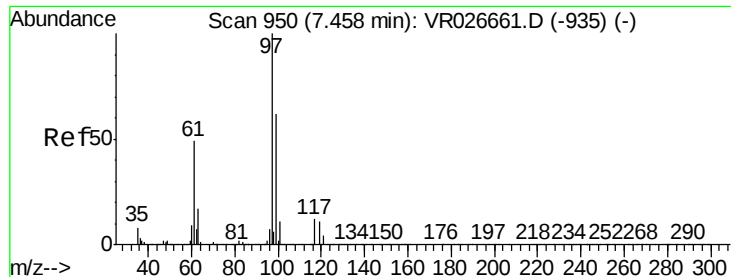
Tot Ion: 83 Resp: 197793
Ion Ratio Lower Upper
83 100
85 61.8 43.3 80.3



#27
1,2-Dichloroethane
Concen: 4.724 ug/L
RT: 8.02 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion: 62 Resp: 78341
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.892 ug/L

RT: 7.46 min Scan# 950

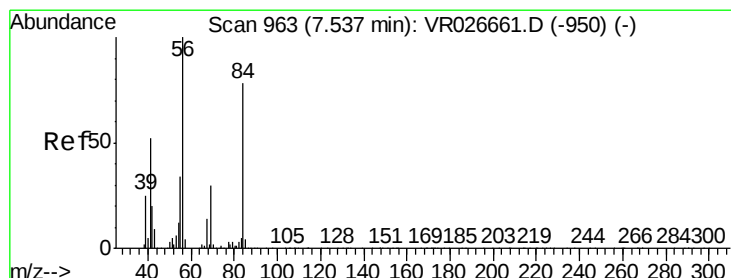
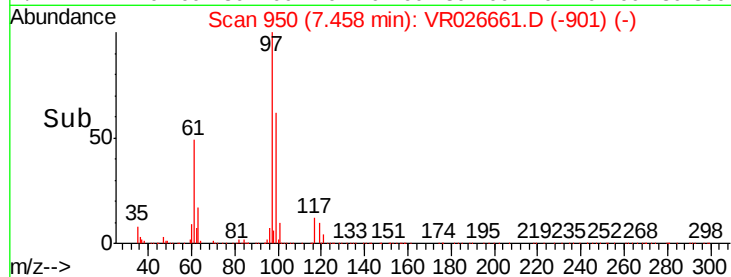
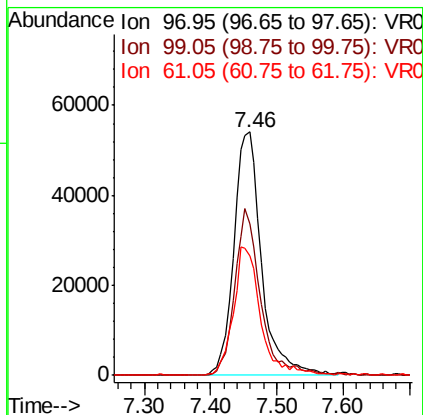
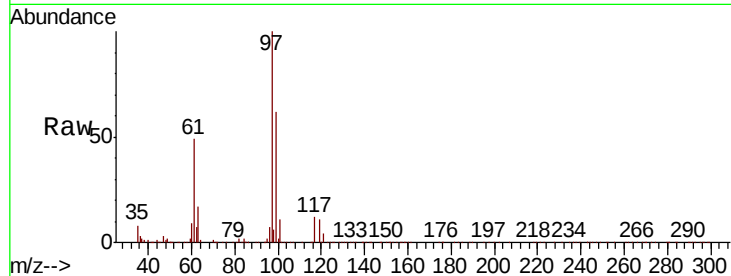
Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	97	Resp:	156377
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	51.8	41.4	62.2



#30

Cyclohexane

Concen: 6.239 ug/L

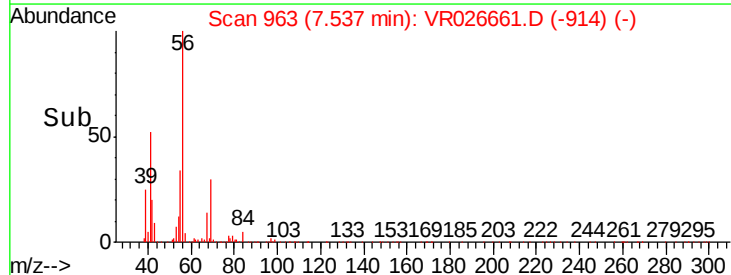
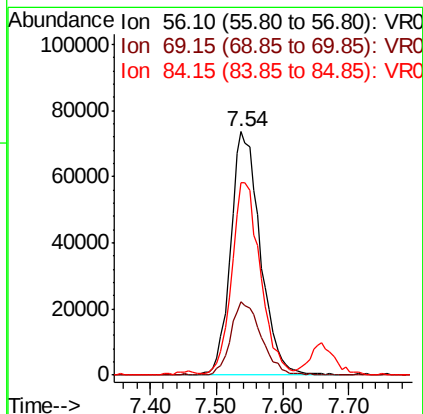
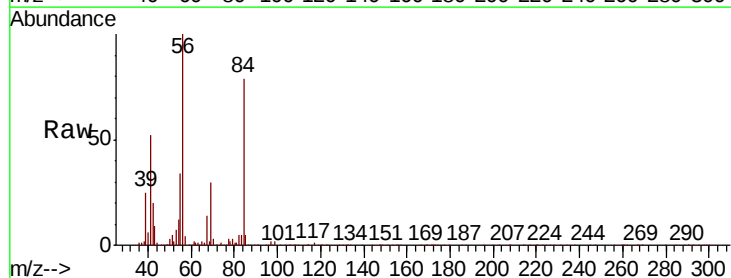
RT: 7.54 min Scan# 963

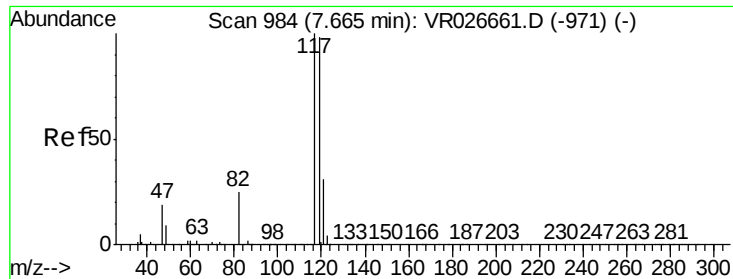
Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Tgt Ion:	56	Resp:	226869
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	76.8	61.4	92.2

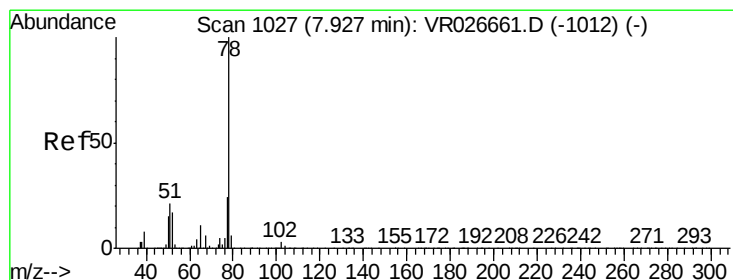
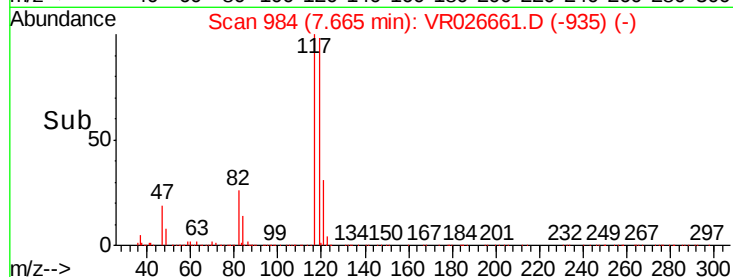
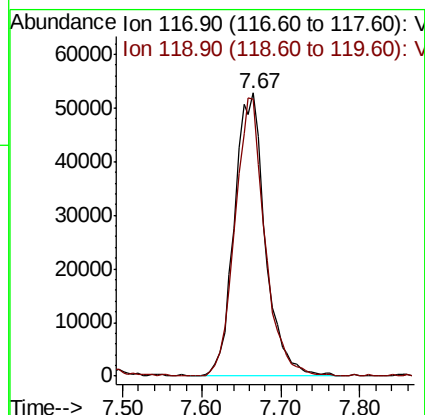
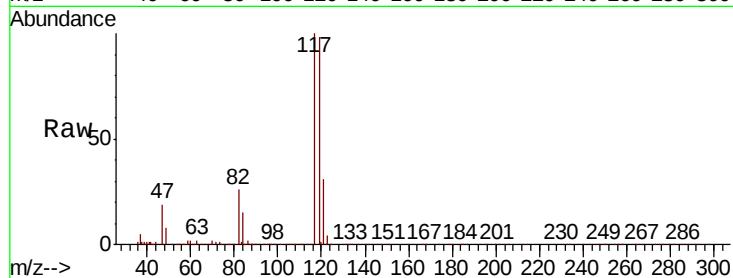




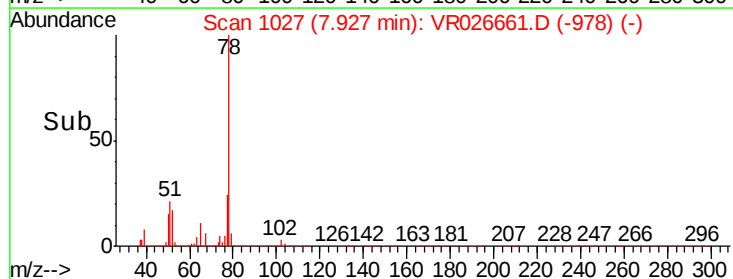
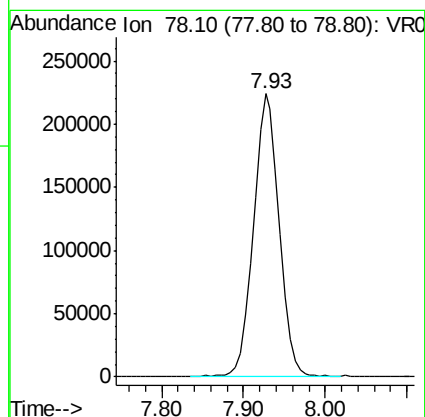
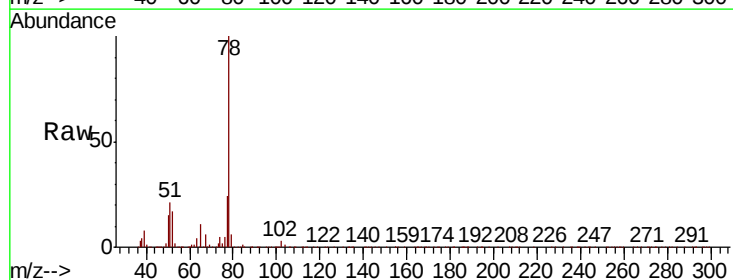
#31
Carbon tetrachloride
Concen: 4.781 ug/L
RT: 7.67 min Scan# 984
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

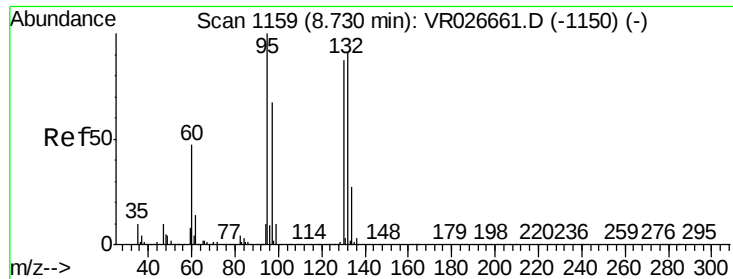
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 142158
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2



#33
Benzene
Concen: 5.386 ug/L
RT: 7.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06
Tgt Ion: 78 Resp: 491806

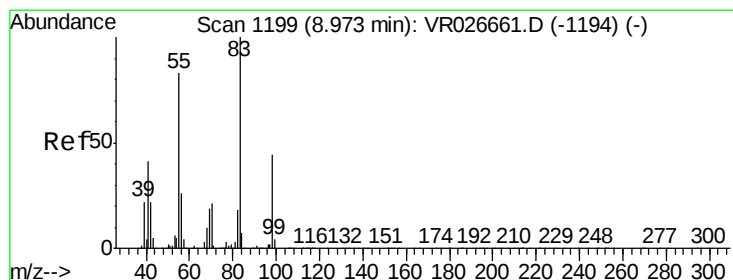
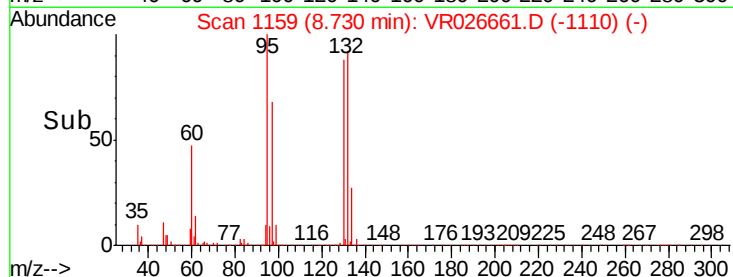
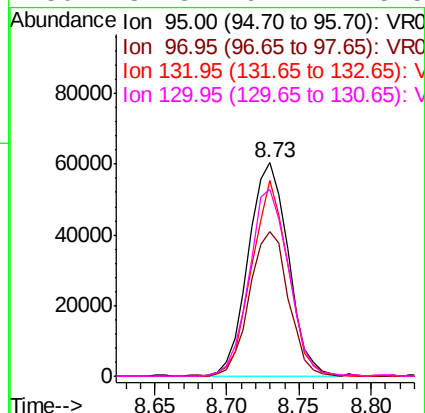
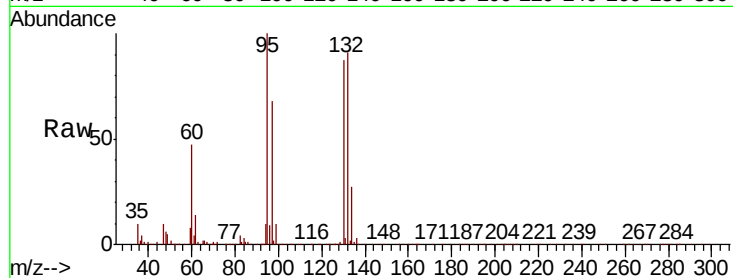




#34
 Trichloroethene
 Concen: 4.823 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

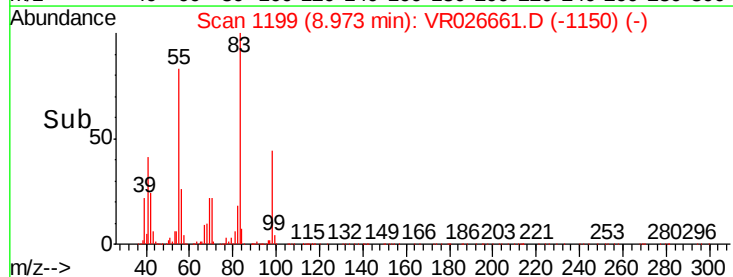
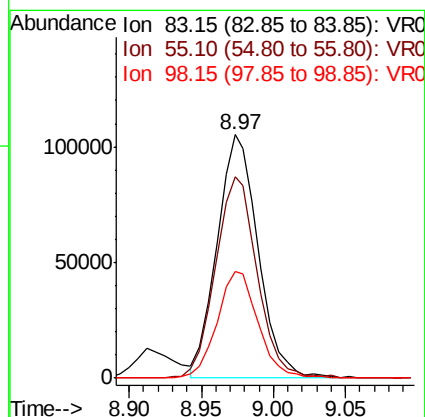
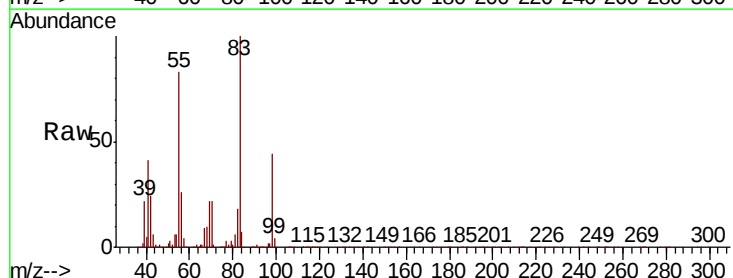
Instrument :
 MSVOA_R
 ClientSampleId :

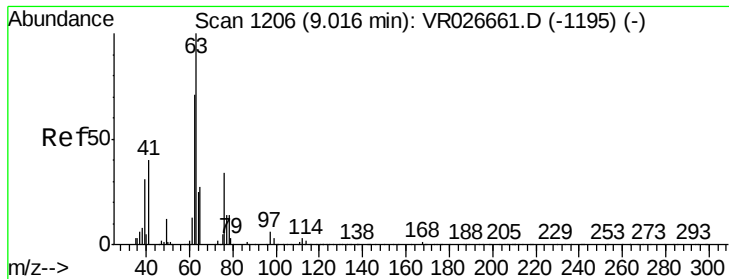
Tot Ion:	95	Resp:	115725
Ion	Ratio	Lower	Upper
95	100		
97	67.6	47.3	87.9
132	91.4	64.0	118.8
130	87.3	61.1	113.5



#35
 Methylcyclohexane
 Concen: 5.800 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion:	83	Resp:	207561
Ion	Ratio	Lower	Upper
83	100		
55	84.7	67.8	101.6
98	43.7	35.0	52.4

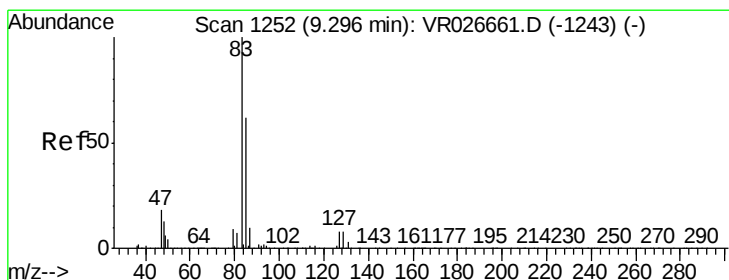
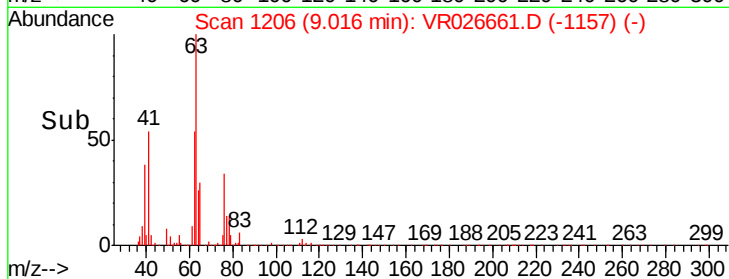
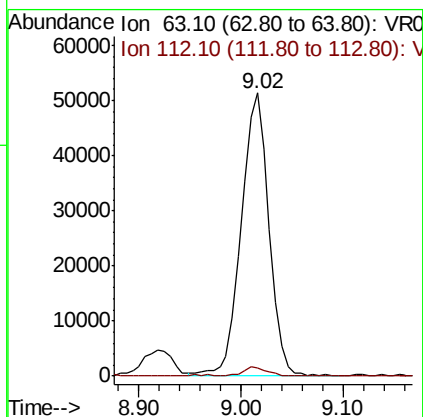
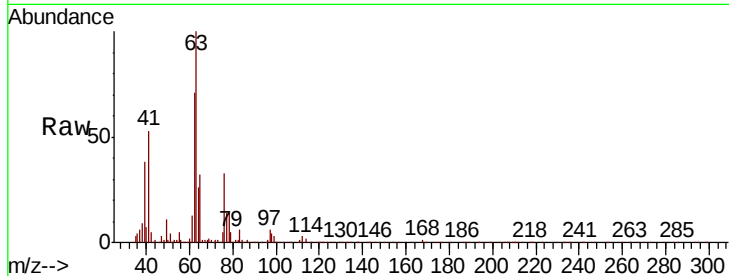




#37
 1,2-Dichloropropane
 Concen: 5.259 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

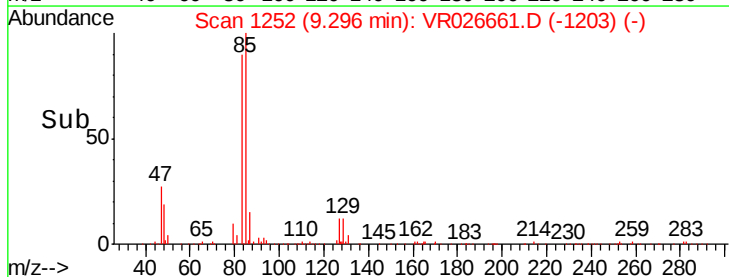
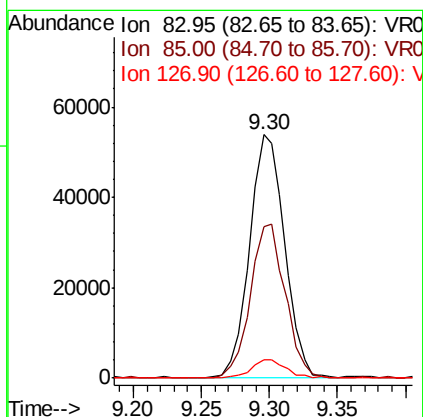
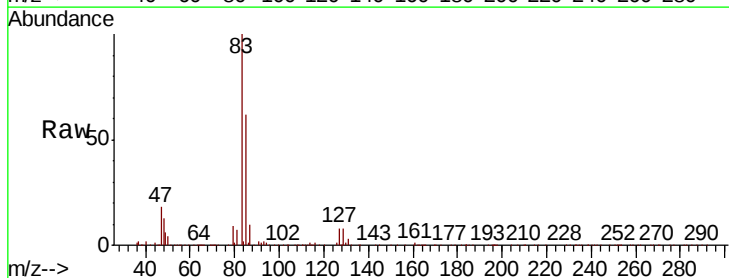
Instrument :
 MSVOA_R
 ClientSampled :

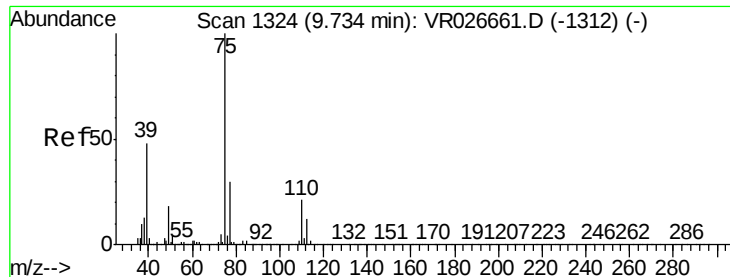
Tot Ion: 63 Resp: 95832
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.4 3.6



#38
 Bromodichloromethane
 Concen: 4.751 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion: 83 Resp: 97241
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.5 80.7
 127 7.7 6.2 9.2



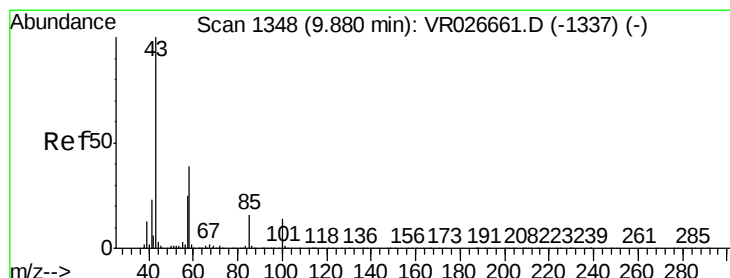
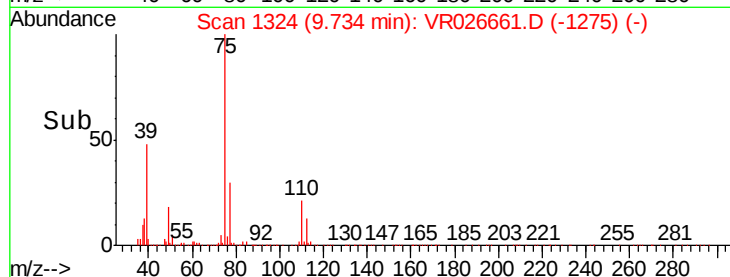
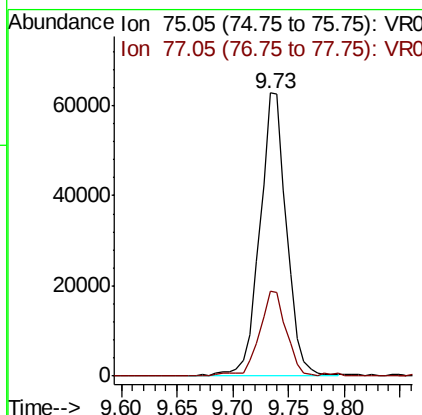
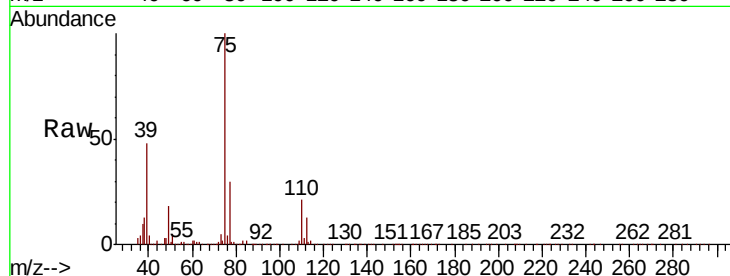


#39

cis-1,3-Dichloropropene
 Concen: 5.256 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Instrument :
 MSVOA_R
 ClientSampleId :

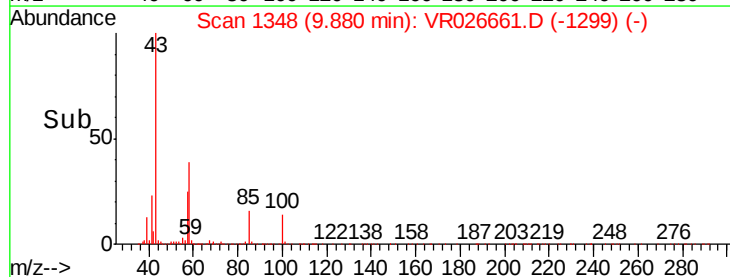
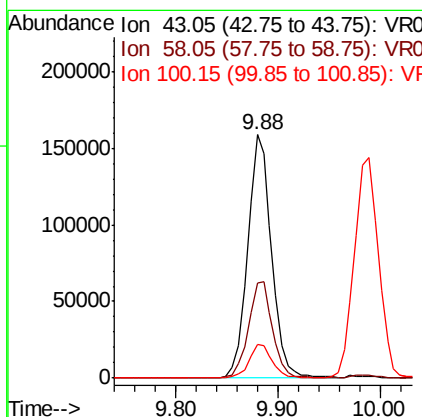
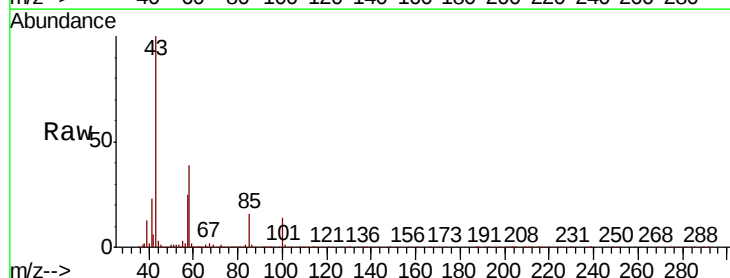
Tot Ion: 75 Resp: 105480
 Ion Ratio Lower Upper
 75 100
 77 29.9 20.9 38.9

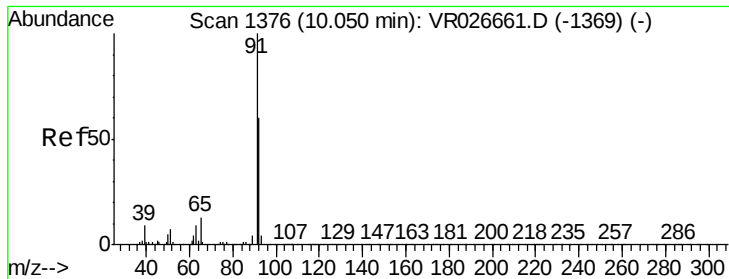


#40

4-Methyl-2-pentanone
 Concen: 59.596 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion: 43 Resp: 257452
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.2 48.2
 100 13.5 10.8 16.2





#42

Toluene

Concen: 5.815 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

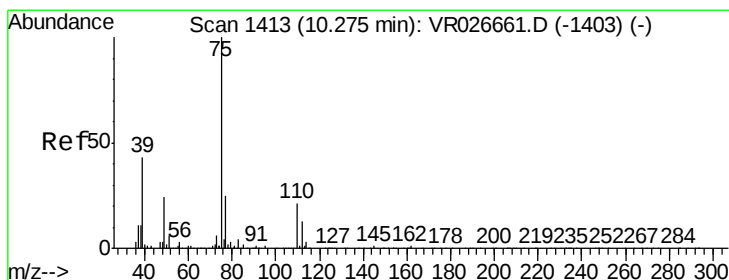
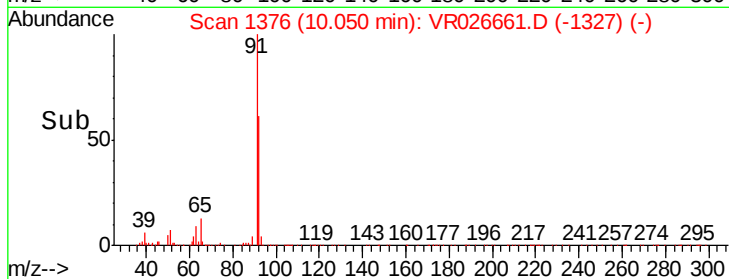
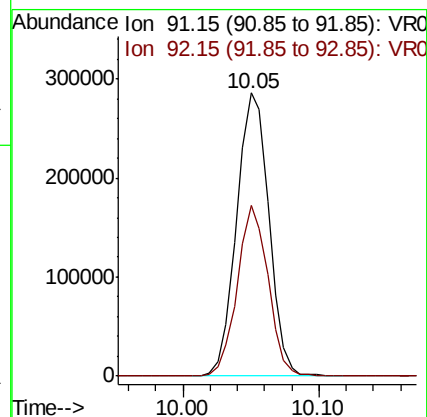
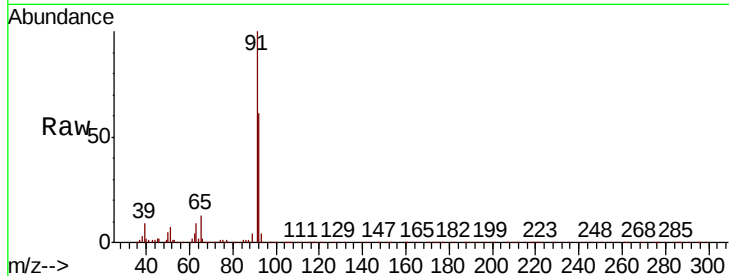
ClientSampleId :

Tot Ion: 91 Resp: 471879

Ion Ratio Lower Upper

91 100

92 60.5 42.4 78.6



#44

trans-1,3-Dichloropropene

Concen: 5.029 ug/L

RT: 10.27 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VR026661.D

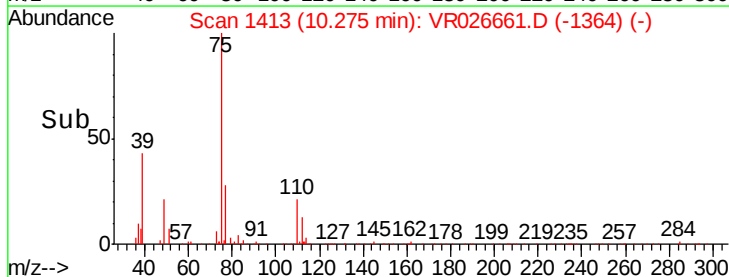
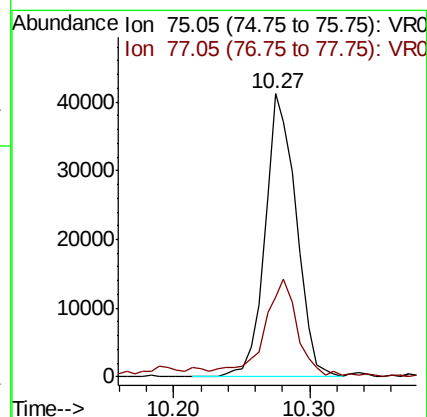
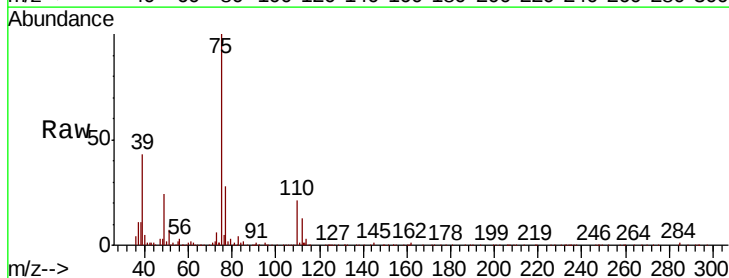
Acq: 11 Oct 2019 11:06

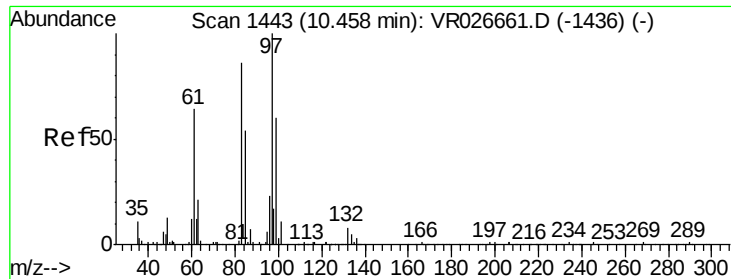
Tgt Ion: 75 Resp: 65896

Ion Ratio Lower Upper

75 100

77 28.3 19.8 36.8

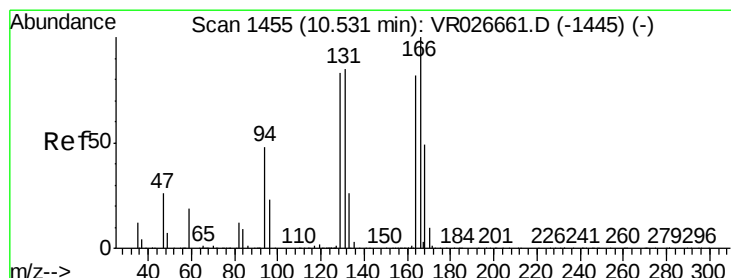
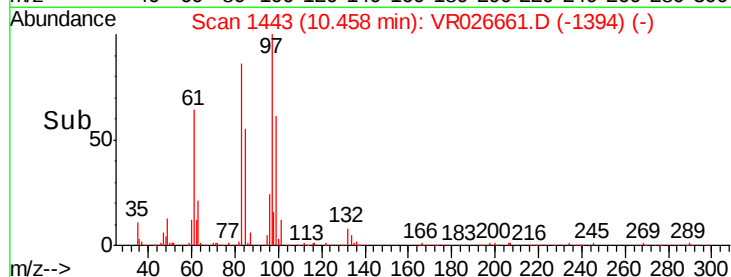
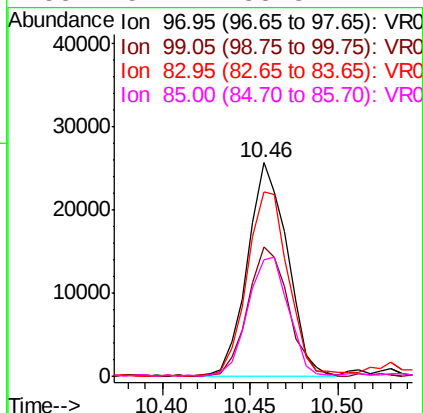
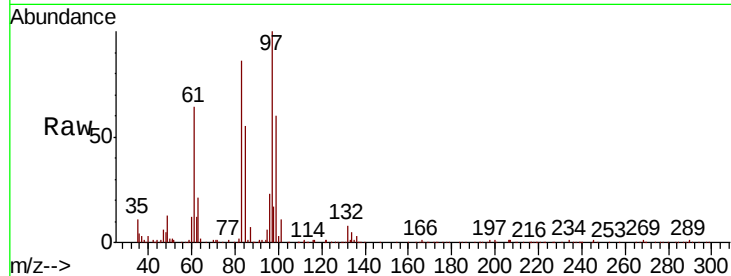




#45
1,1,2-Trichloroethane
Concen: 4.672 ug/L
RT: 10.46 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

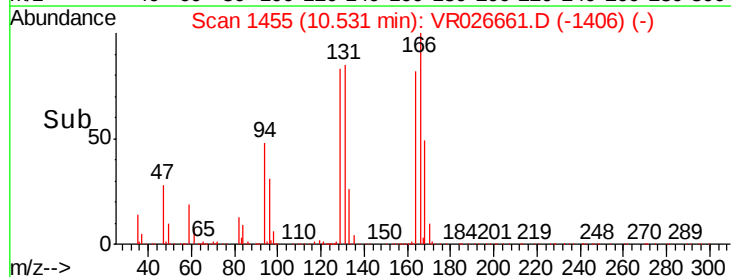
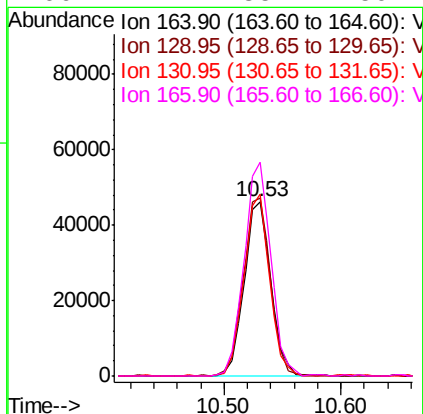
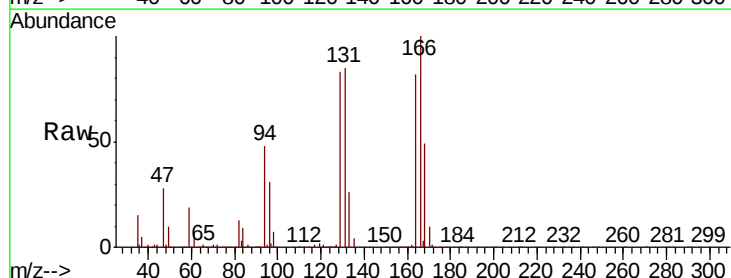
Instrument :
MSVOA_R
ClientSampleId :

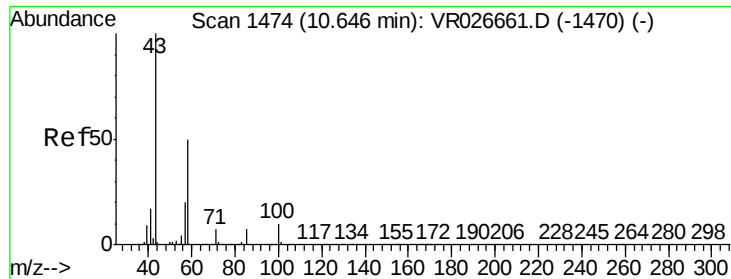
Tot Ion:	97	Resp:	40245
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.4	78.6
83	86.2	60.3	112.1
85	54.7	38.3	71.1



#47
Tetrachloroethene
Concen: 4.941 ug/L
RT: 10.53 min Scan# 1455
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion:	164	Resp:	73604
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.4	132.6
131	104.4	73.1	135.7
166	122.4	85.7	159.1

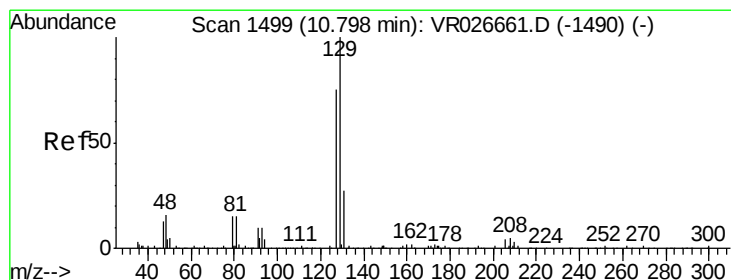
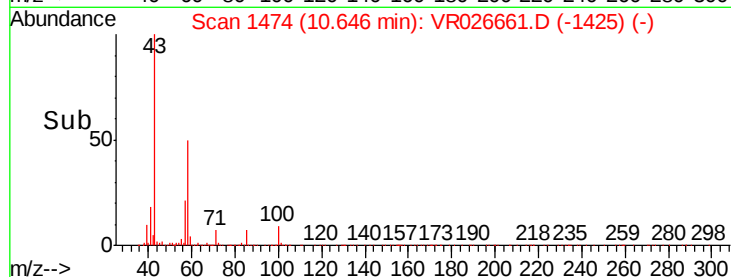
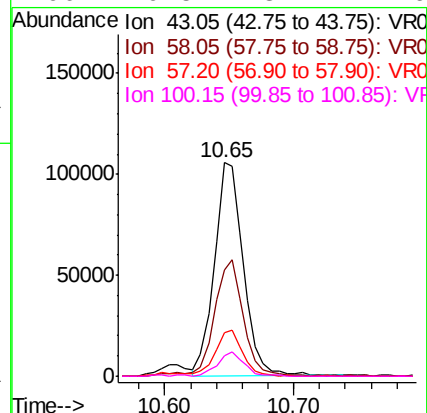
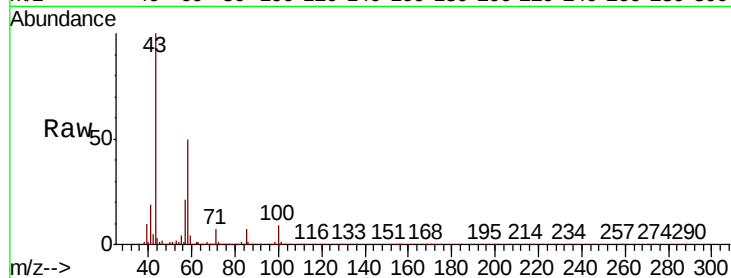




#48
2-Hexanone
Concen: 57.325 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

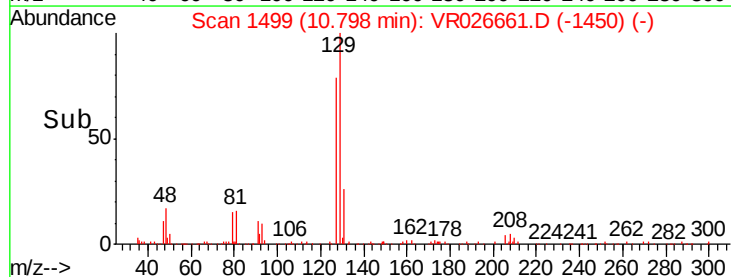
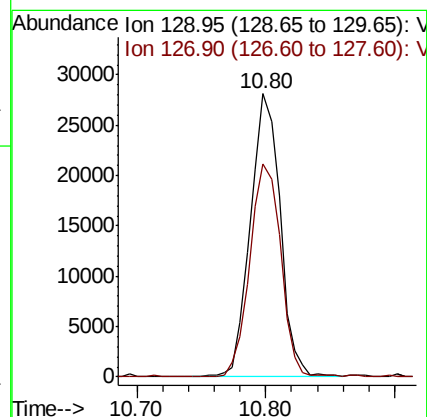
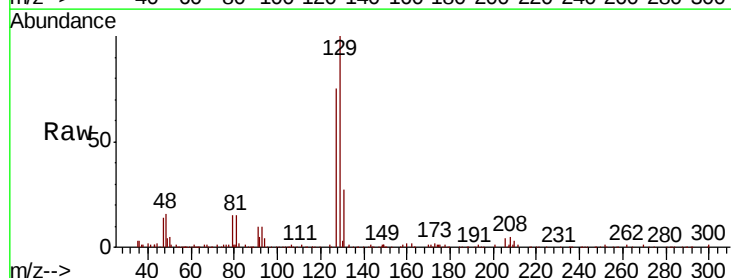
Instrument :
MSVOA_R
ClientSampleId :

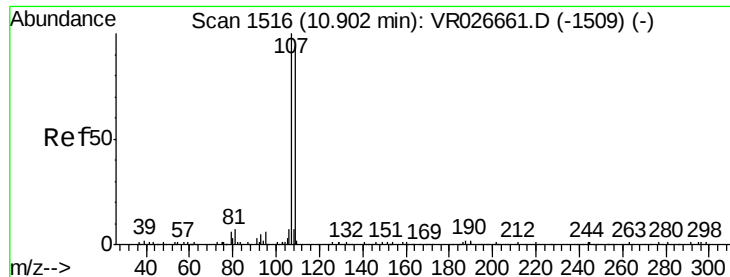
Tot Ion:	43	Resp:	166121
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.0	67.4
57	20.3	16.2	24.4
100	10.5	8.4	12.6



#49
Dibromochloromethane
Concen: 4.868 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion:	129	Resp:	44702
Ion	Ratio	Lower	Upper
129	100		
127	75.1	52.6	97.6

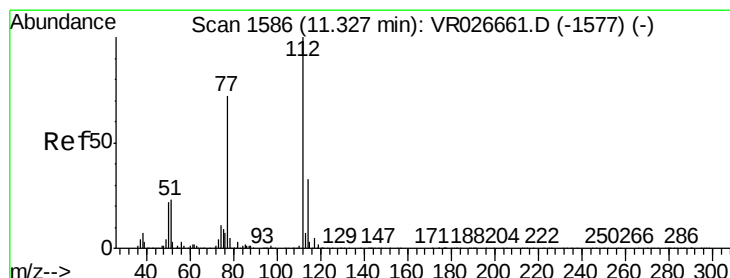
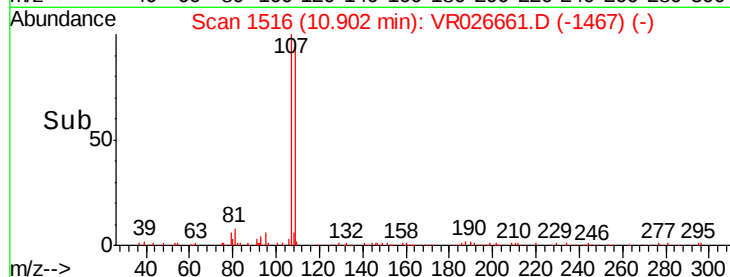
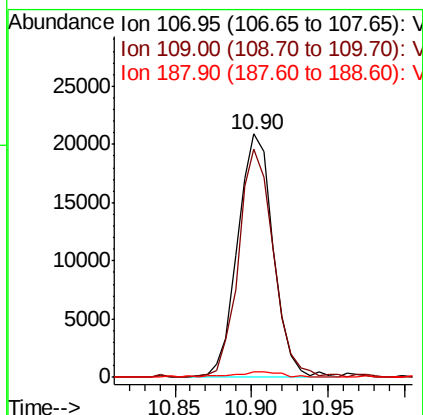
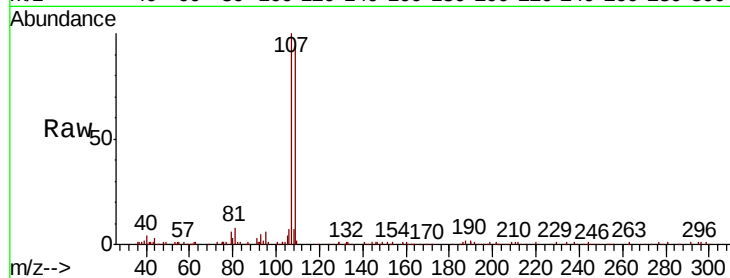




#50
1,2-Dibromoethane
Concen: 4.693 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

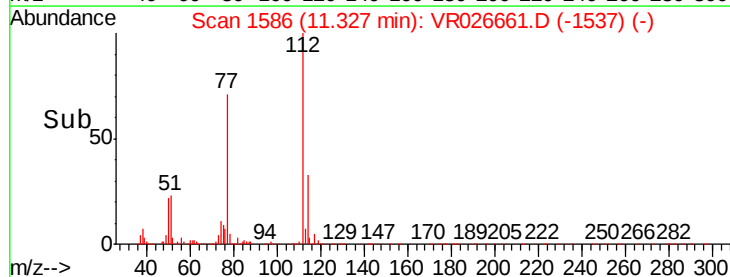
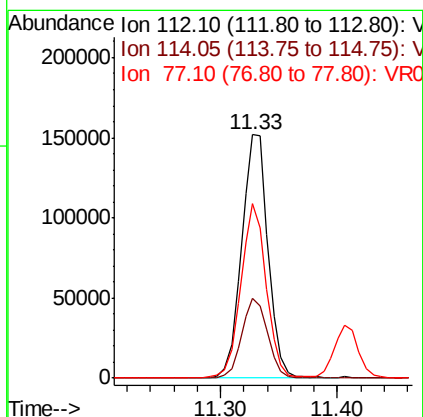
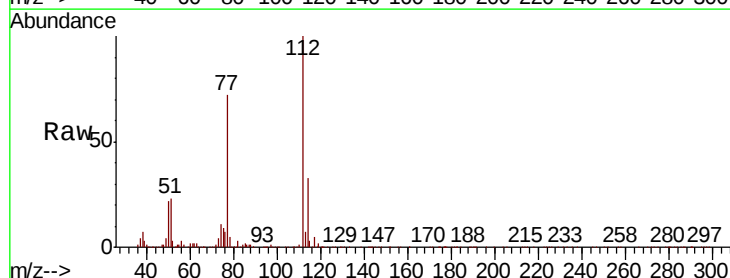
Instrument :
MSVOA_R
ClientSampled :

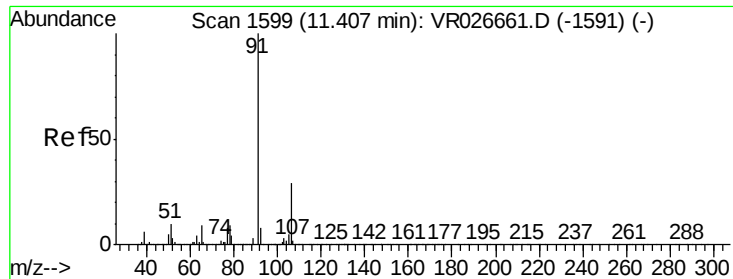
Tot Ion:107 Resp: 33477
Ion Ratio Lower Upper
107 100
109 95.6 66.9 124.3
188 2.2 1.8 2.6



#51
Chlorobenzene
Concen: 4.970 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion:112 Resp: 239983
Ion Ratio Lower Upper
112 100
114 33.0 23.1 42.9
77 71.5 57.2 85.8





#52

Ethylbenzene

Concen: 5.746 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

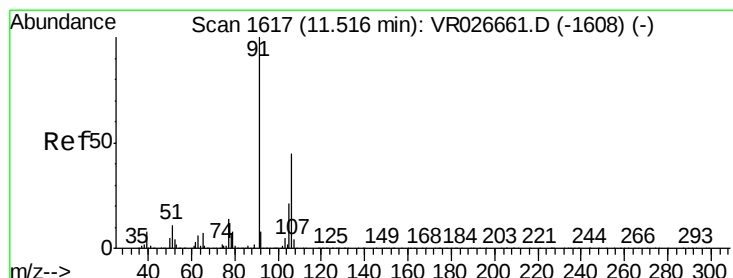
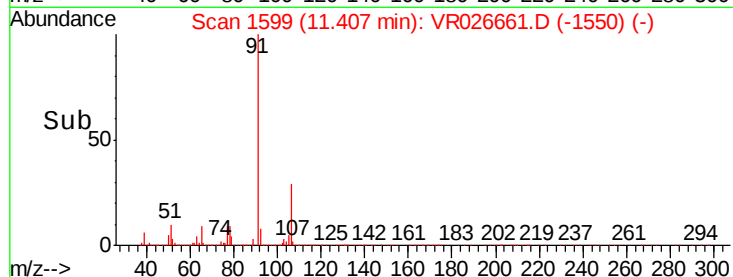
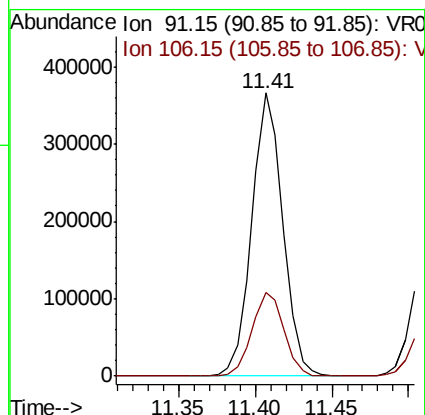
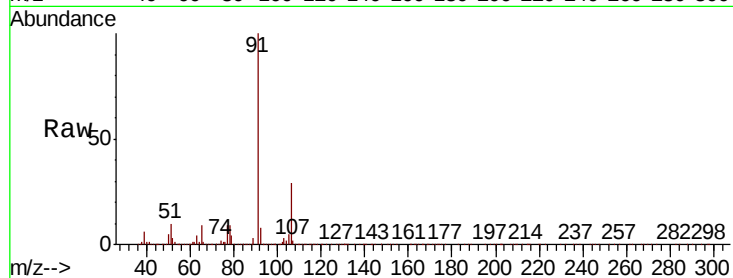
ClientSampleId :

Tot Ion: 91 Resp: 515606

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 5.580 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VR026661.D

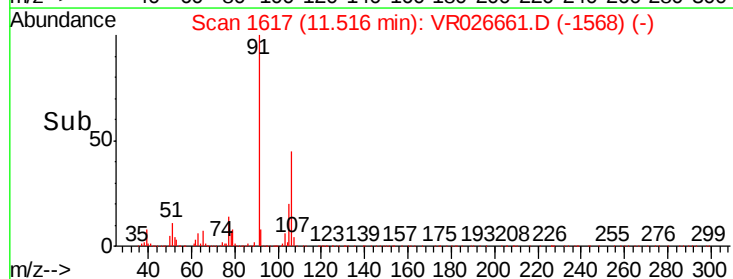
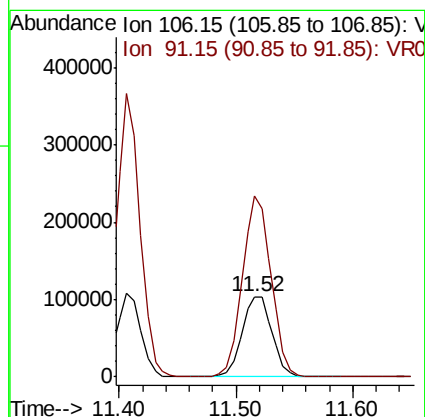
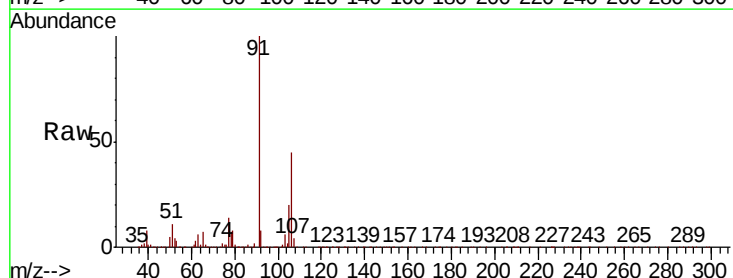
Acq: 11 Oct 2019 11:06

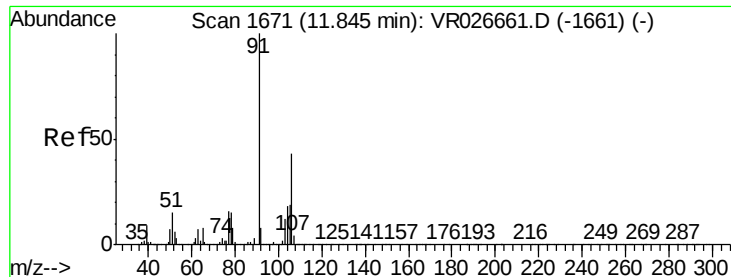
Tgt Ion: 106 Resp: 184781

Ion Ratio Lower Upper

106 100

91 224.3 157.0 291.6

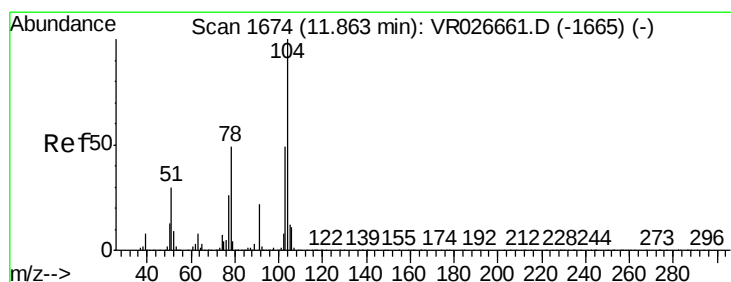
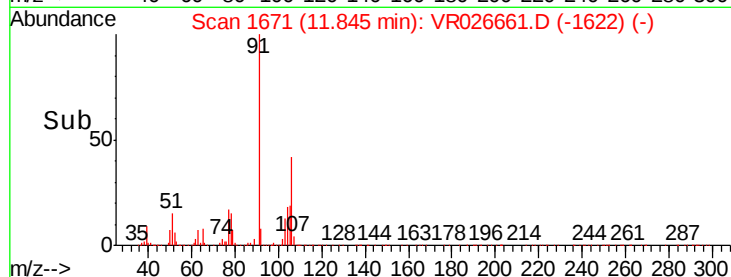
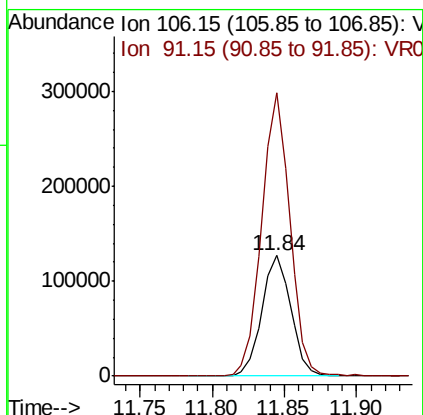
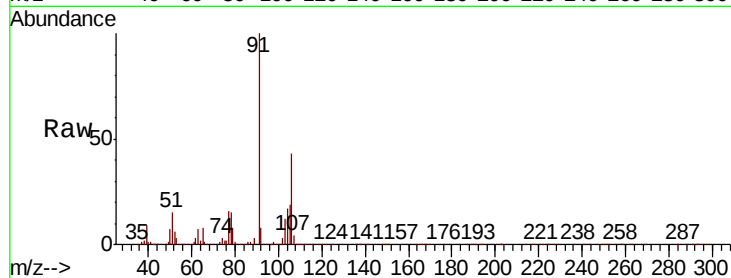




#54
o-Xylene
Concen: 5.830 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

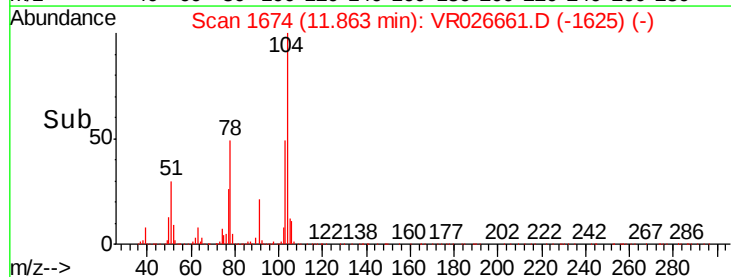
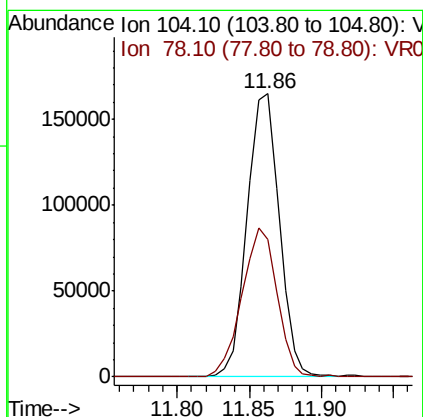
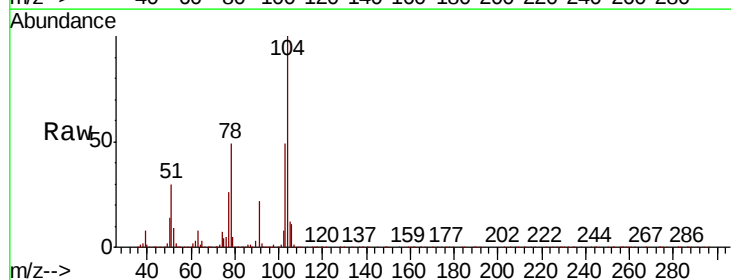
Instrument :
MSVOA_R
ClientSampled :

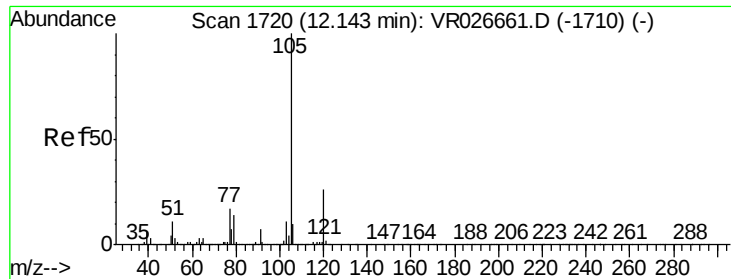
Tot Ion:106 Resp: 176650
Ion Ratio Lower Upper
106 100
91 235.0 164.5 305.5



#55
Styrene
Concen: 5.824 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VR026661.D
Acq: 11 Oct 2019 11:06

Tgt Ion:104 Resp: 255011
Ion Ratio Lower Upper
104 100
78 48.7 34.1 63.3





#56

Isopropylbenzene

Concen: 5.825 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VR026661.D

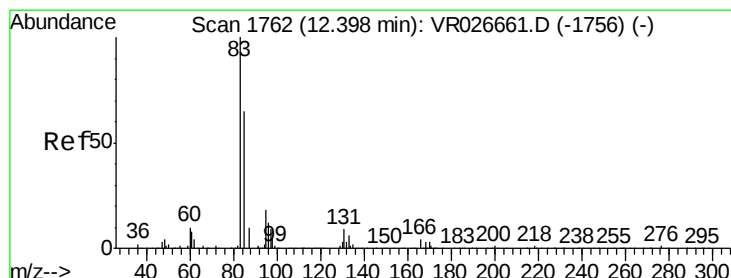
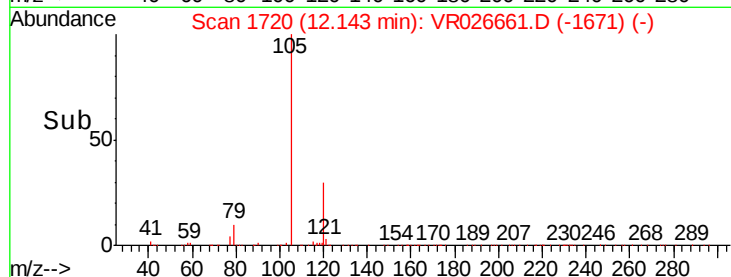
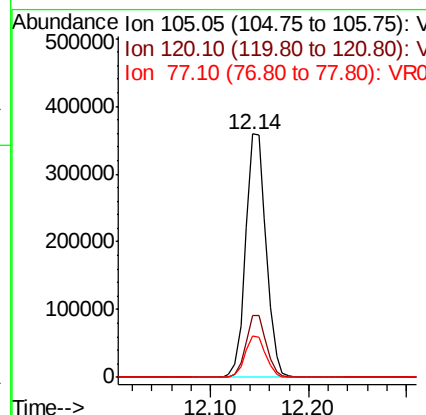
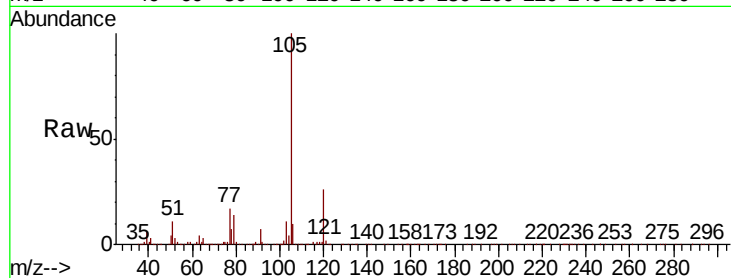
Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	105	Resp:	519336
Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6
77	17.2	13.8	20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.836 ug/L

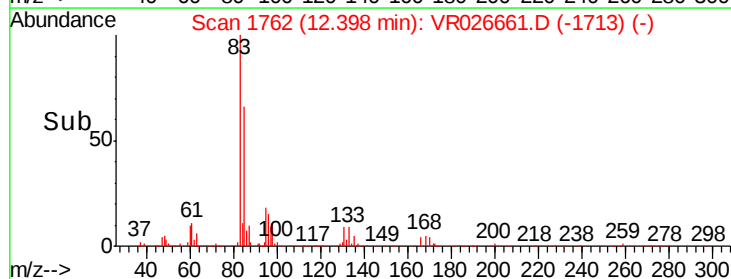
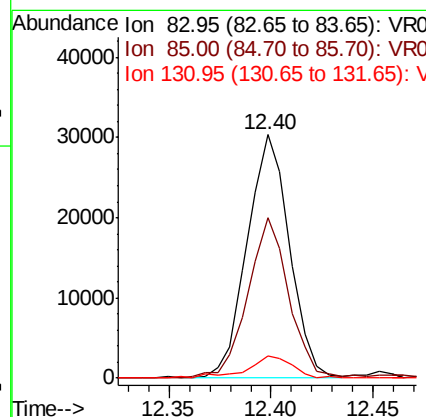
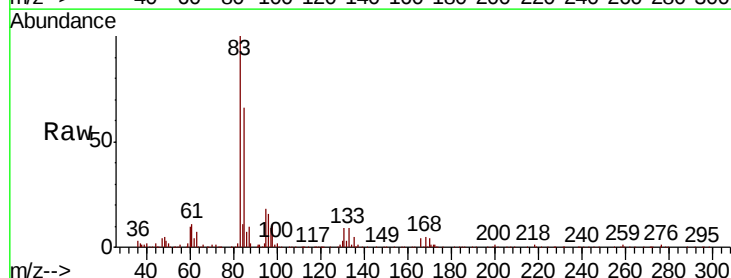
RT: 12.40 min Scan# 1762

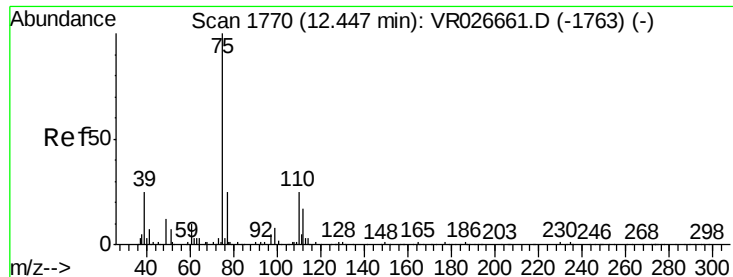
Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Tgt Ion:	83	Resp:	43786
Ion	Ratio	Lower	Upper
83	100		
85	66.0	46.2	85.8
131	9.2	7.4	11.0

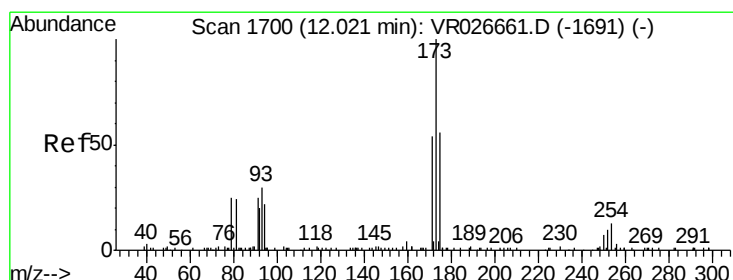
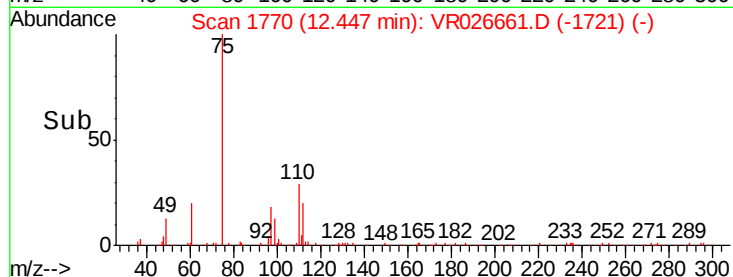
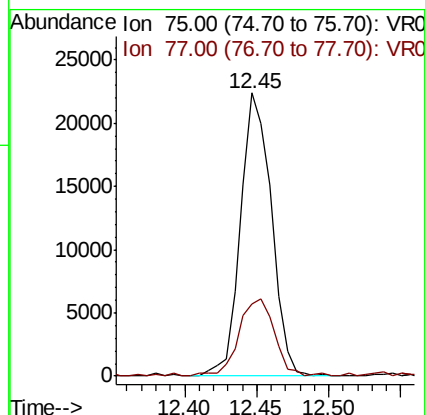
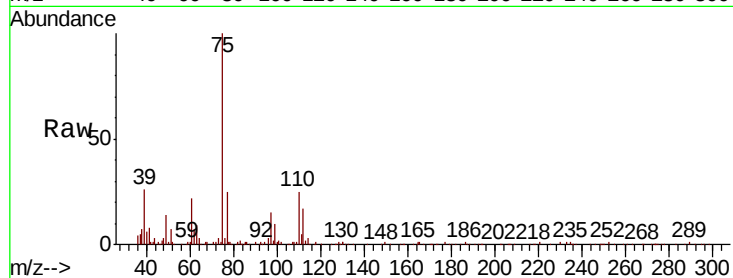




#59
 1,2,3-Trichloropropane
 Concen: 4.909 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

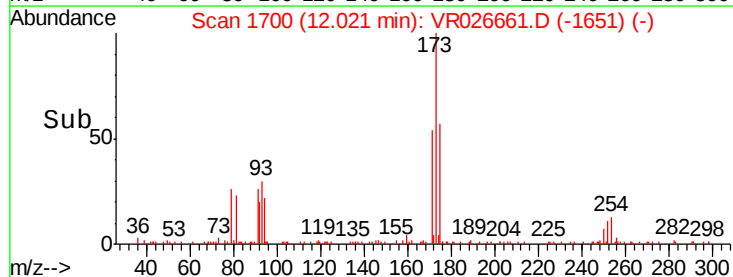
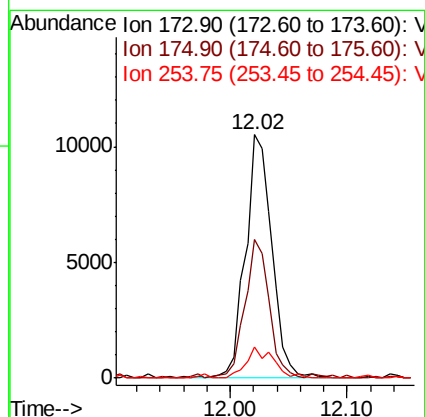
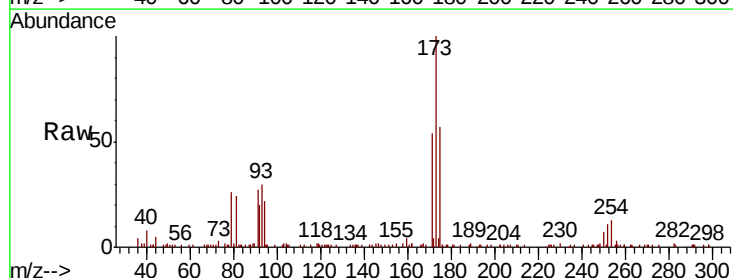
Instrument :
 MSVOA_R
 ClientSampled :

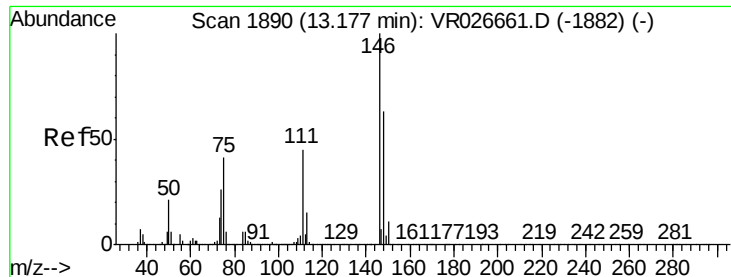
Tot Ion: 75 Resp: 33252
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6



#61
 Bromoform
 Concen: 4.521 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion: 173 Resp: 16642
 Ion Ratio Lower Upper
 173 100
 175 52.5 42.0 63.0
 254 13.1 10.5 15.7





#62

1,3-Dichlorobenzene

Concen: 4.903 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

ClientSampled :

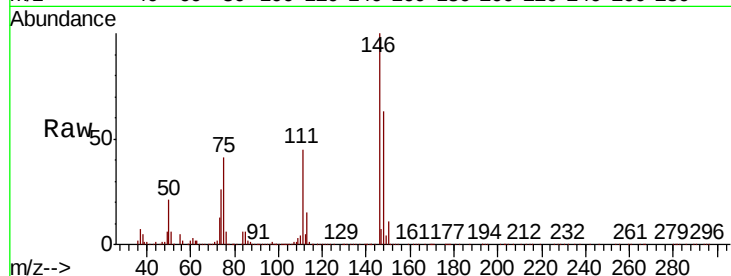
Tot Ion:146 Resp: 159622

Ion Ratio Lower Upper

146 100

111 45.4 31.8 59.0

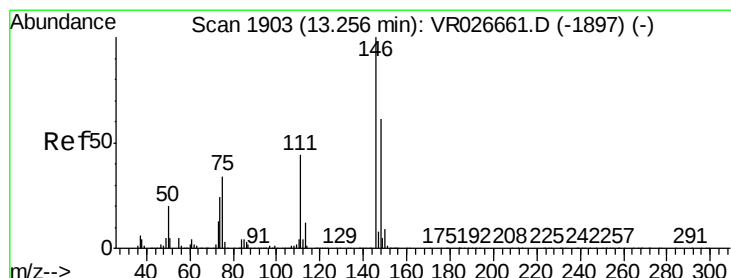
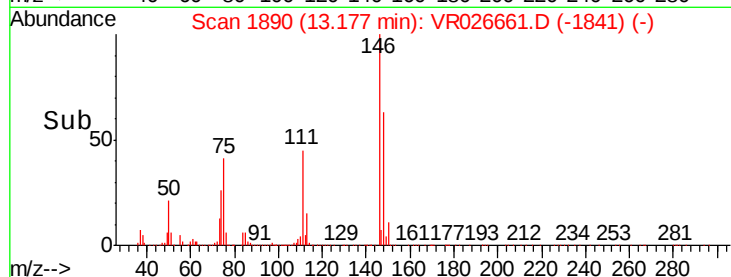
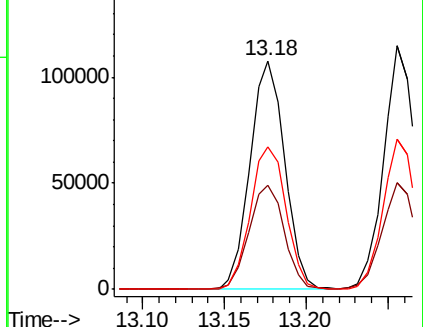
148 62.6 43.8 81.4



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: 4.763 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

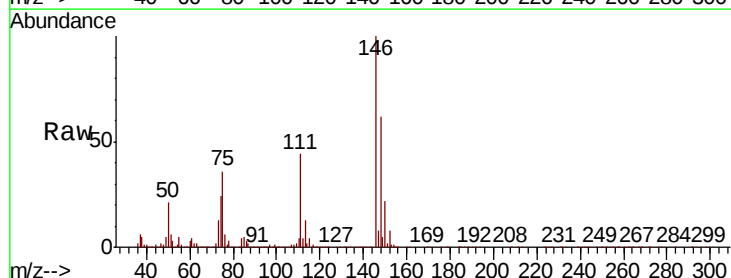
Tgt Ion:146 Resp: 157716

Ion Ratio Lower Upper

146 100

111 43.6 30.5 56.7

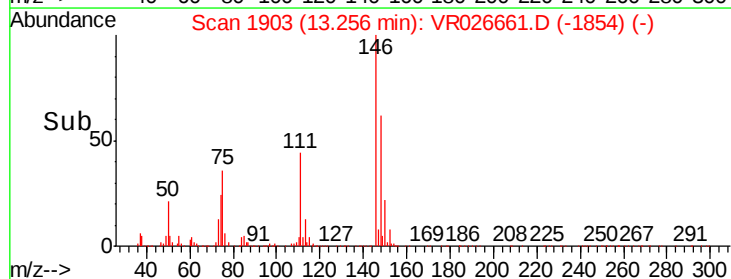
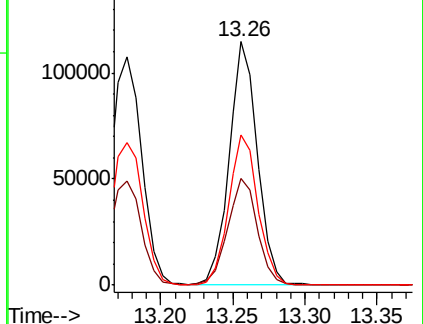
148 61.6 43.1 80.1

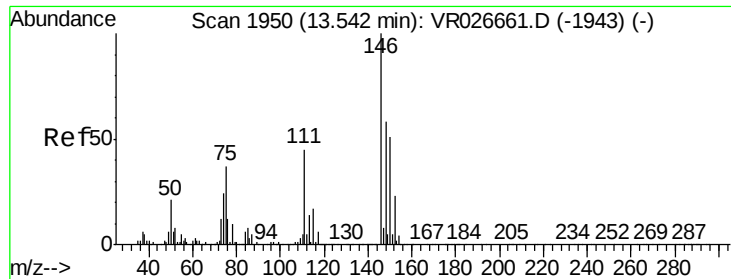


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

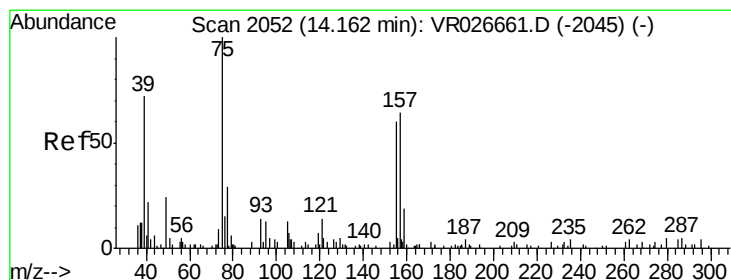
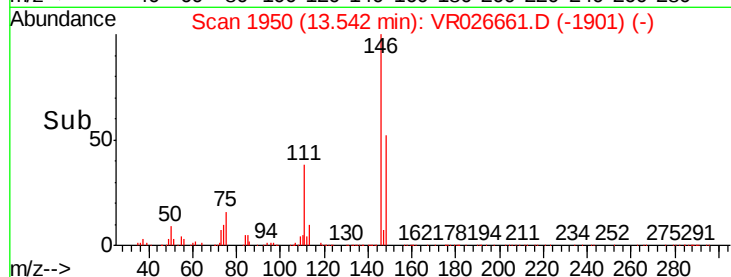
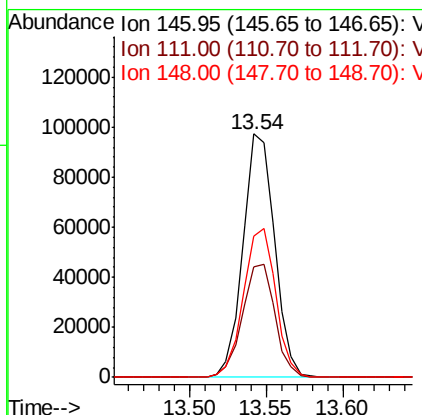
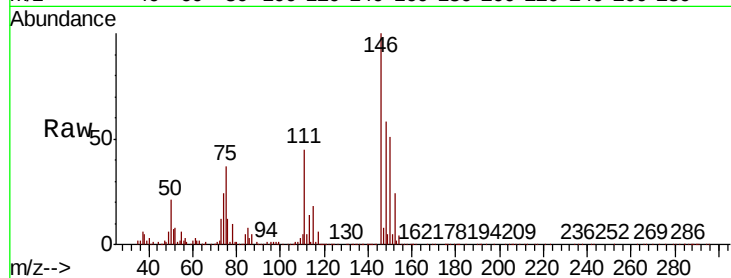




#65
 1,2-Dichlorobenzene
 Concen: 4.984 ug/L
 RT: 13.54 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

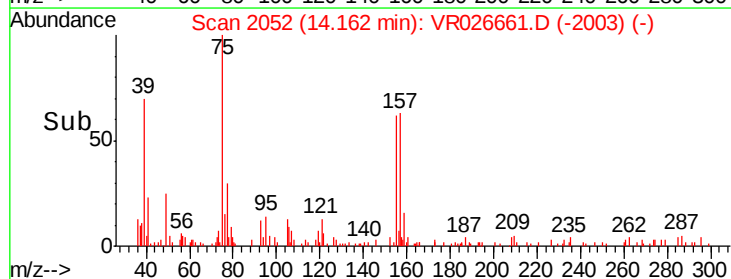
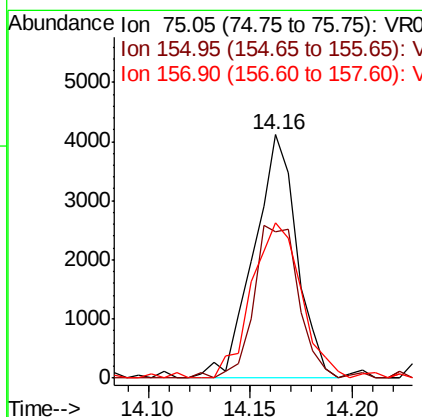
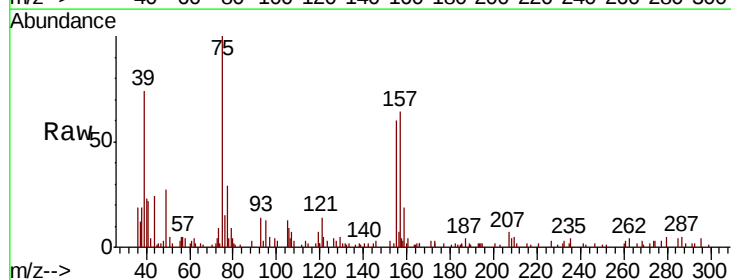
Instrument :
 MSVOA_R
 ClientSampleId :

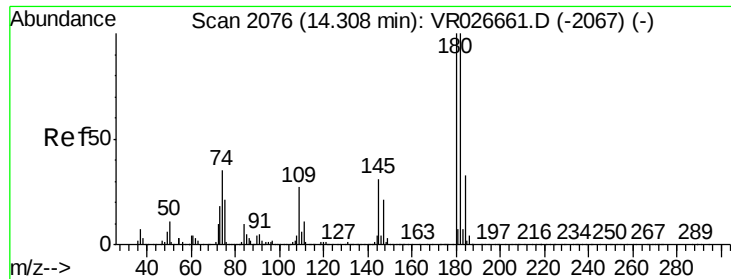
Tot Ion:146 Resp: 139681
 Ion Ratio Lower Upper
 146 100
 111 45.5 36.4 54.6
 148 58.3 46.6 70.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.762 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion: 75 Resp: 6032
 Ion Ratio Lower Upper
 75 100
 155 60.4 48.3 72.5
 157 63.6 50.9 76.3

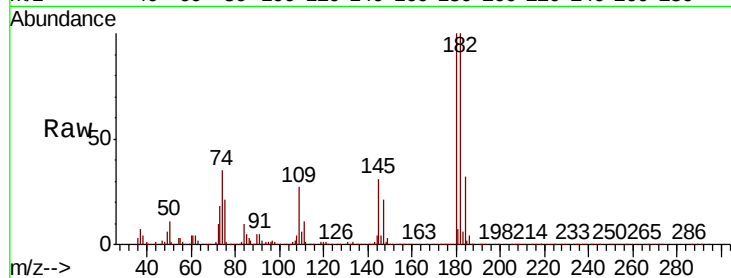




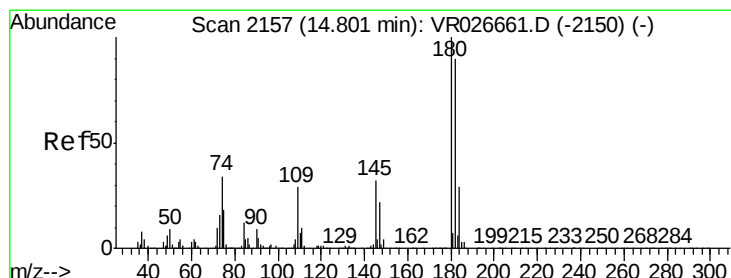
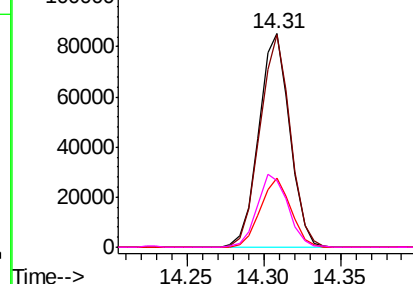
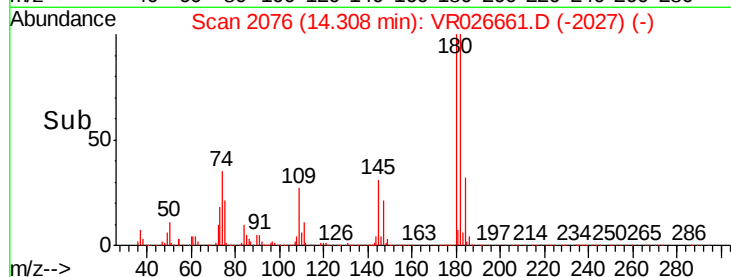
#67
 1,3,5-Trichlorobenzene
 Concen: 4.808 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	120179
Ion	Ratio	Lower	Upper
180	100		
182	97.8	78.2	117.4
184	32.1	25.7	38.5
145	34.0	27.2	40.8

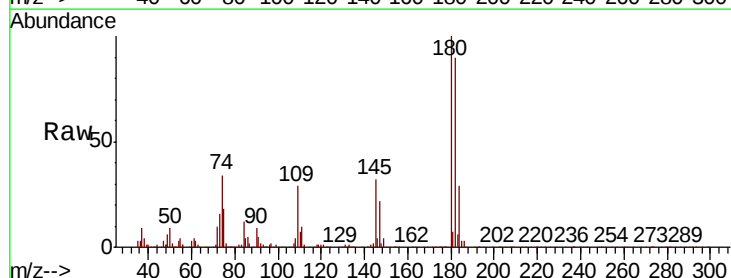


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

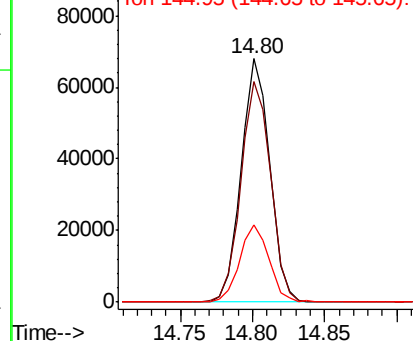
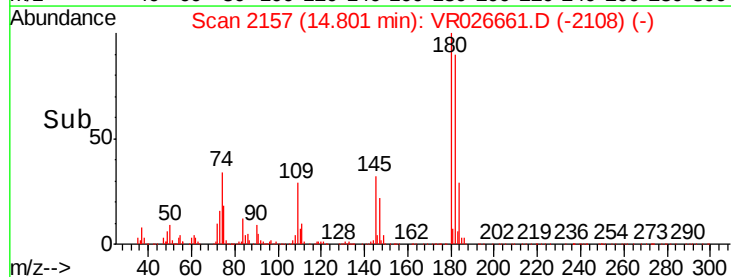


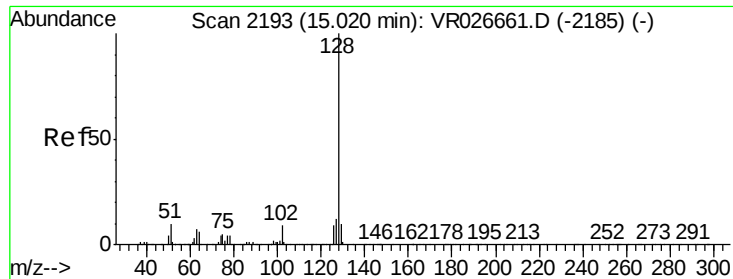
#68
 1,2,4-trichlorobenzene
 Concen: 4.902 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026661.D
 Acq: 11 Oct 2019 11:06

Tgt Ion:	180	Resp:	93782
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	32.7	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: 5.233 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

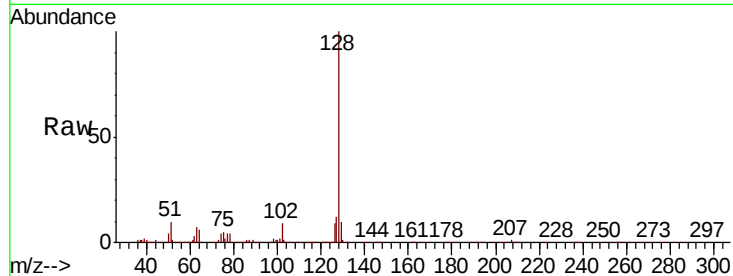
Tot Ion:128 Resp: 113182

Ion Ratio Lower Upper

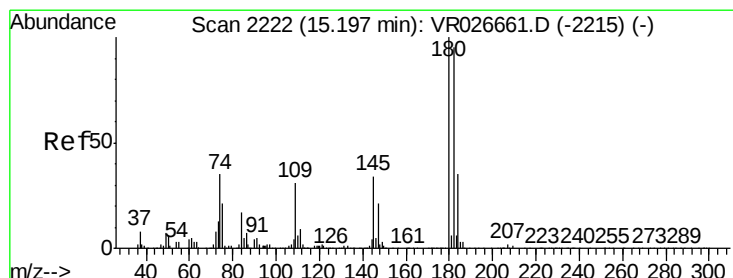
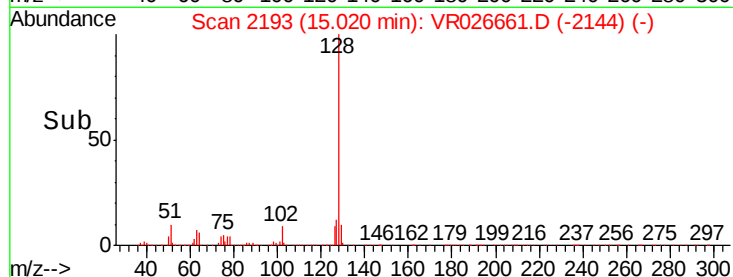
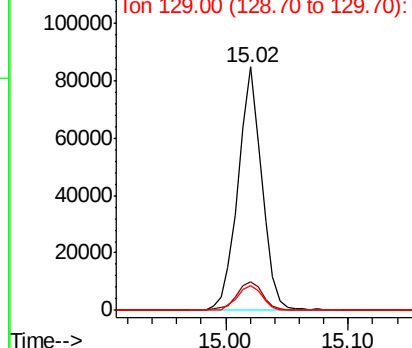
128 100

127 13.1 10.5 15.7

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.778 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026661.D

Acq: 11 Oct 2019 11:06

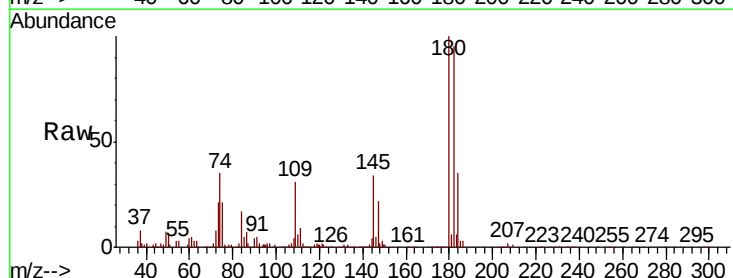
Tgt Ion:180 Resp: 81711

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 35.0 28.0 42.0



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

