

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101119\
 Data File : VR026663.D
 Acq On : 11 Oct 2019 12:10
 Operator : SY/MD
 Sample : VSTD02063
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:36:46 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	213600	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	172325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	82013	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	278283	22.53	ug/L	0.00
7) Chloroethane-d5	2.65	69	221977	20.50	ug/L	0.01
11) 1,1-Dichloroethene-d2	3.66	63	629379	20.41	ug/L	0.00
20) 2-Butanone-d5	6.62	46	447229	262.73	ug/L	0.00
24) Chloroform-d	7.23	84	777309	20.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	268702	19.90	ug/L	0.00
32) Benzene-d6	7.88	84	1619565	22.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	418747	22.18	ug/L	0.00
41) Toluene-d8	9.99	98	1352997	22.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	112580	22.27	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	333443	267.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	180502	20.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	320362	20.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	690108	20.040 ug/L	100
3) Chloromethane	2.07	50	395248	22.341 ug/L	97
5) Vinyl chloride	2.20	62	373378	22.075 ug/L	97
6) Bromomethane	2.55	94	228216	20.336 ug/L	91
8) Chloroethane	2.68	64	208661	21.199 ug/L	98
9) Trichlorofluoromethane	2.99	101	618069	19.355 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	271883	20.105 ug/L	# 73
12) 1,1-Dichloroethene	3.67	96	268483	21.055 ug/L	89
13) Acetone	3.73	43	238039	192.108 ug/L	76
14) Carbon disulfide	3.98	76	1914066	21.980 ug/L	99
15) Methyl Acetate	4.22	43	101058	19.320 ug/L	99
16) Methylene chloride	4.43	84	464799	17.325 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	508317	22.470 ug/L	99
18) trans-1,2-Dichloroethene	4.92	96	515714	20.843 ug/L	98
19) 1,1-Dichloroethane	5.72	63	918212	21.402 ug/L	95
21) 2-Butanone	6.72	43	486903	244.891 ug/L	96
22) cis-1,2-Dichloroethene	6.70	96	490155	21.818 ug/L	# 92
23) Bromochloromethane	7.08	128	130292	19.979 ug/L	91
25) Chloroform	7.26	83	792272	18.728 ug/L	95
27) 1,2-Dichloroethane	8.01	62	327528	20.239 ug/L	99
29) 1,1,1-Trichloroethane	7.46	97	648510	20.881 ug/L	99
30) Cyclohexane	7.54	56	959424	27.155 ug/L	97
31) Carbon tetrachloride	7.66	117	605018	20.944 ug/L	99
33) Benzene	7.93	78	1906860	21.496 ug/L	100
34) Trichloroethene	8.73	95	483456	20.738 ug/L	95
35) Methylcyclohexane	8.97	83	860296	24.742 ug/L	98
37) 1,2-Dichloropropane	9.02	63	378828	21.398 ug/L	# 98
38) Bromodichloromethane	9.30	83	416309	20.937 ug/L	97
39) cis-1,3-Dichloropropene	9.73	75	487579	25.006 ug/L	96
40) 4-Methyl-2-pentanone	9.88	43	1073180	255.699 ug/L	99

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 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

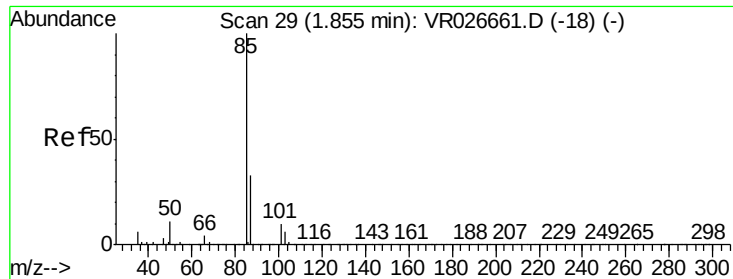
Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 14 05:36:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101119WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	1791239	22.718	ug/L	96
44) trans-1,3-Dichloropropene	10.28	75	312042	24.513	ug/L	97
45) 1,1,2-Trichloroethane	10.46	97	163442	19.528	ug/L	95
47) Tetrachloroethene	10.53	164	291711	20.155	ug/L	97
48) 2-Hexanone	10.65	43	676306	240.214	ug/L	98
49) Dibromochloromethane	10.80	129	183199	20.533	ug/L	97
50) 1,2-Dibromoethane	10.90	107	144882	20.905	ug/L #	97
51) Chlorobenzene	11.33	112	959732	20.457	ug/L	98
52) Ethylbenzene	11.41	91	2030358	23.288	ug/L	100
53) m,p-Xylene	11.52	106	742810	23.088	ug/L	95
54) o-Xylene	11.84	106	683647	23.223	ug/L	95
55) Styrene	11.86	104	967840	22.751	ug/L	92
56) Isopropylbenzene	12.15	105	1997579	23.061	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	181402	20.621	ug/L	98
59) 1,2,3-Trichloropropane	12.45	75	131522	19.983	ug/L	97
61) Bromoform	12.02	173	78132	22.174	ug/L	97
62) 1,3-Dichlorobenzene	13.18	146	660002	21.180	ug/L	99
63) 1,4-Dichlorobenzene	13.26	146	622428	19.639	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	541411	20.183	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.16	75	26769	17.444	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.31	180	529863	22.149	ug/L	96
68) 1,2,4-trichlorobenzene	14.80	180	424012	23.156	ug/L	99
69) Naphthalene	15.02	128	602599	29.112	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	351073	21.447	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 20.040 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

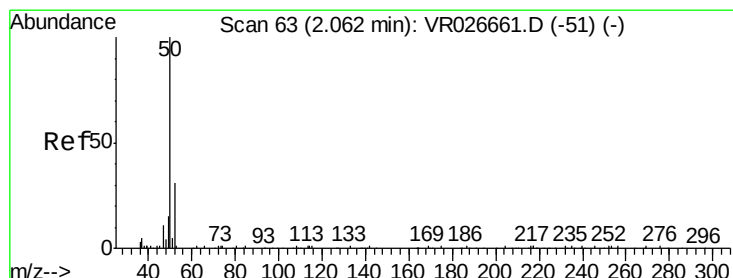
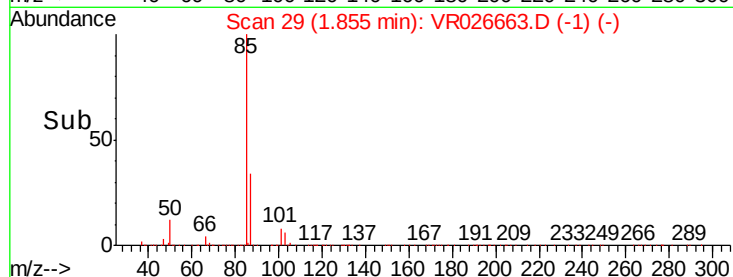
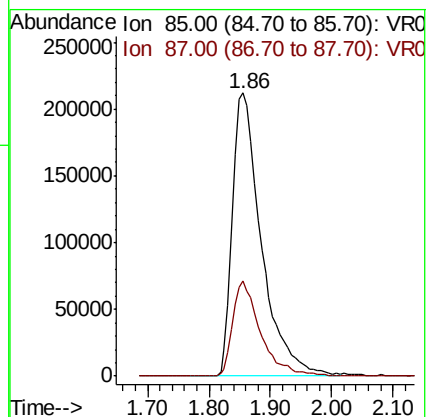
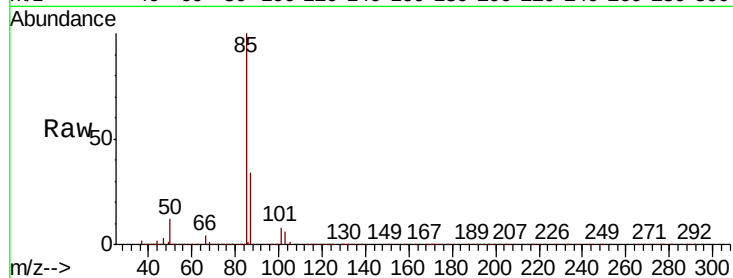
ClientSampleId :

Tot Ion: 85 Resp: 690108

Ion Ratio Lower Upper

85 100

87 32.4 26.0 39.0



#3

Chloromethane

Concen: 22.341 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.01 min

Lab File: VR026663.D

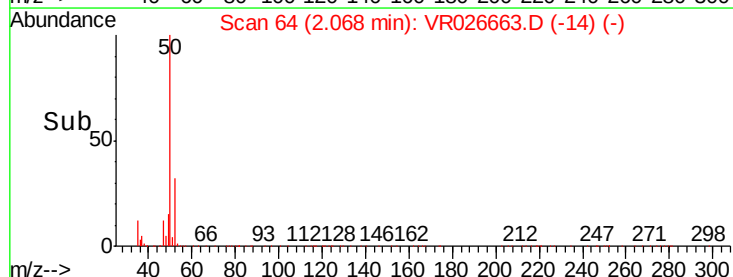
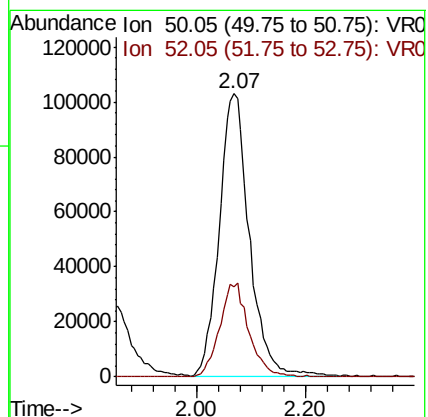
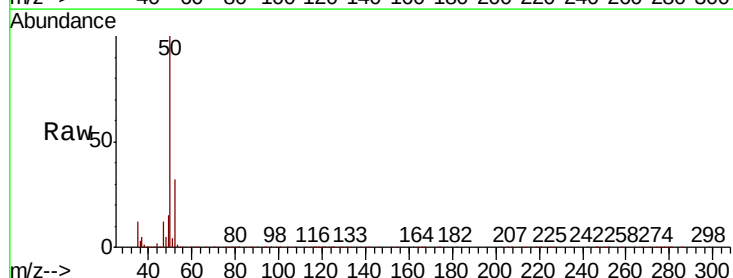
Acq: 11 Oct 2019 12:10

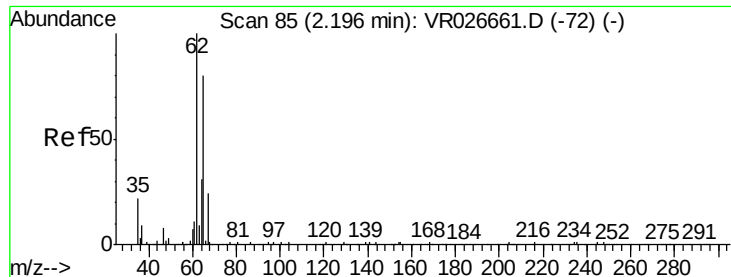
Tgt Ion: 50 Resp: 395248

Ion Ratio Lower Upper

50 100

52 32.0 21.3 39.6





#5

Vinyl chloride

Concen: 22.075 ug/L

RT: 2.20 min Scan# 86

Delta R.T. 0.01 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

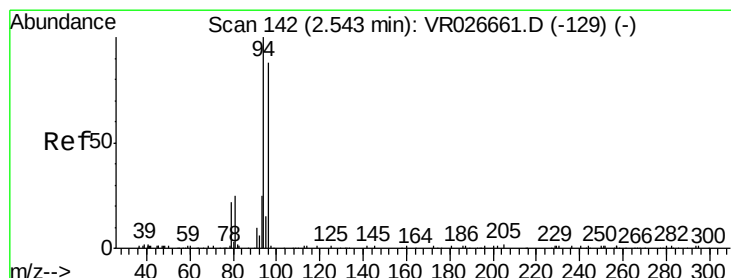
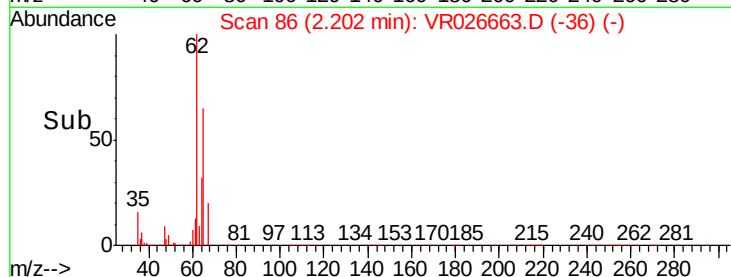
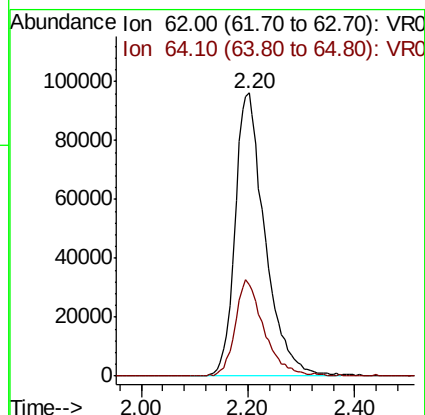
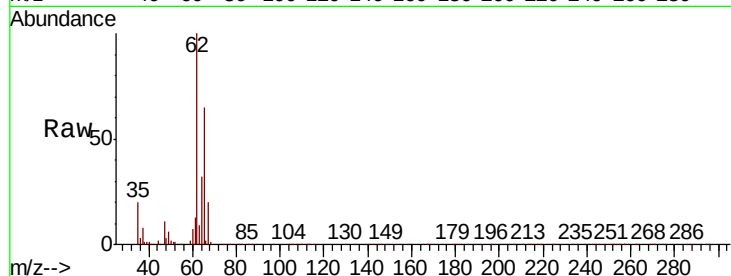
ClientSampleId :

Tot Ion: 62 Resp: 373378

Ion Ratio Lower Upper

62 100

64 32.2 21.6 40.0



#6

Bromomethane

Concen: 20.336 ug/L

RT: 2.55 min Scan# 143

Delta R.T. 0.01 min

Lab File: VR026663.D

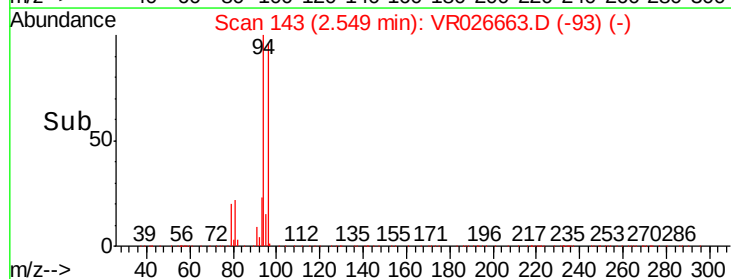
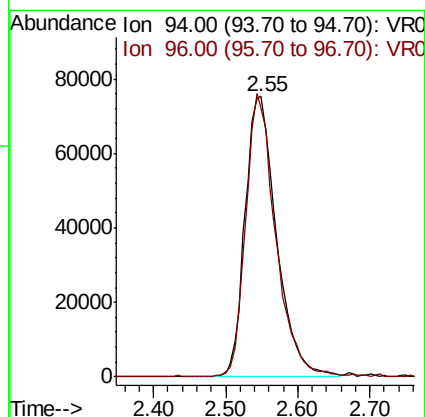
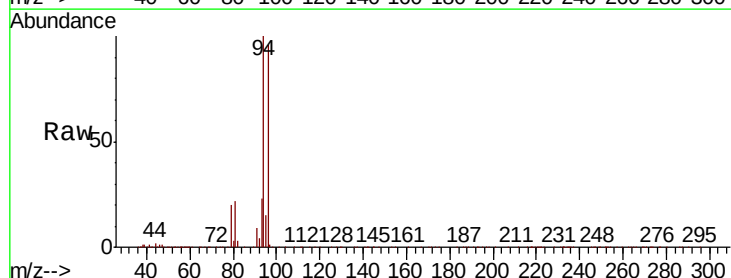
Acq: 11 Oct 2019 12:10

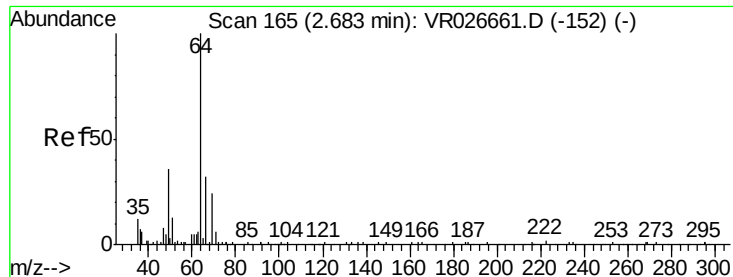
Tgt Ion: 94 Resp: 228216

Ion Ratio Lower Upper

94 100

96 96.3 61.7 114.5





#8

Chloroethane

Concen: 21.199 ug/L

RT: 2.68 min Scan# 165

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

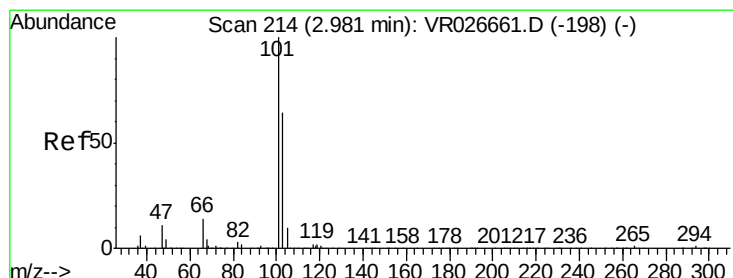
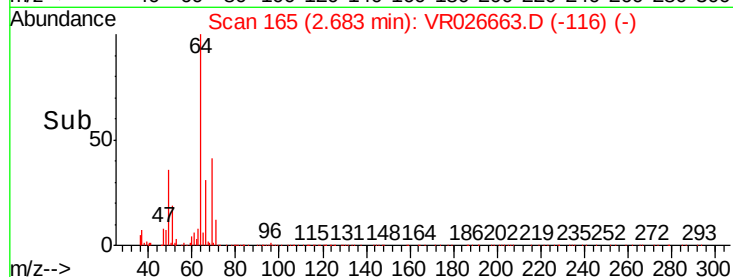
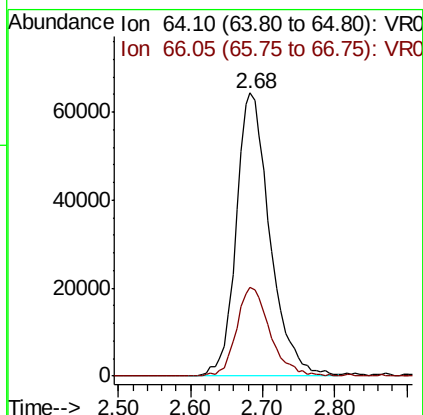
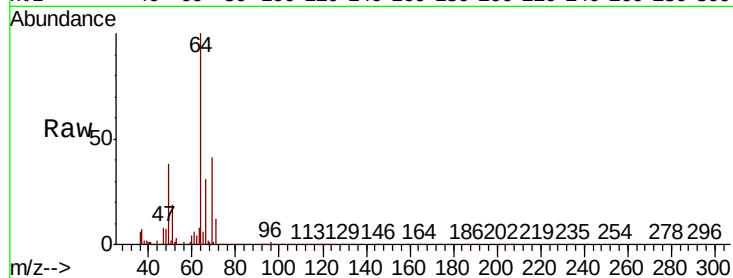
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 64 Resp: 208661

Ion Ratio Lower Upper

64 100

66 31.3 22.6 42.0



#9

Trichlorofluoromethane

Concen: 19.355 ug/L

RT: 2.99 min Scan# 215

Delta R.T. 0.01 min

Lab File: VR026663.D

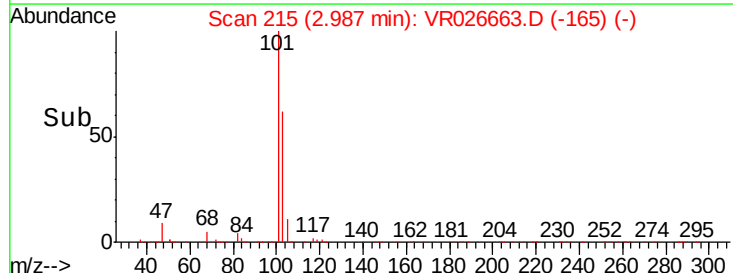
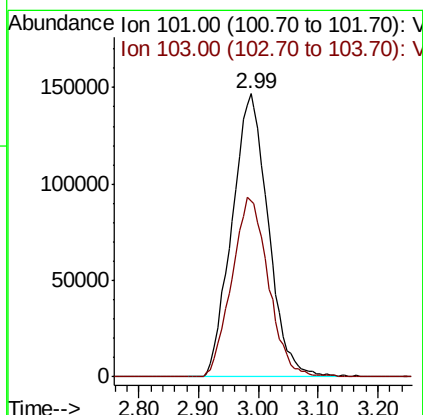
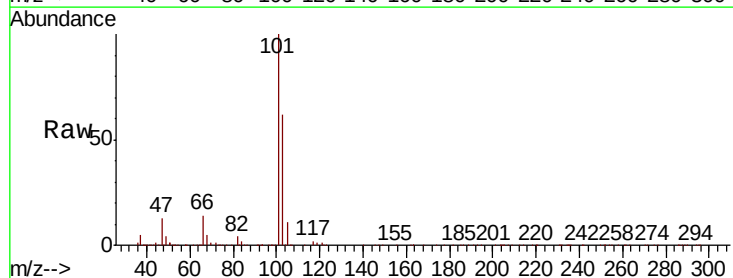
Acq: 11 Oct 2019 12:10

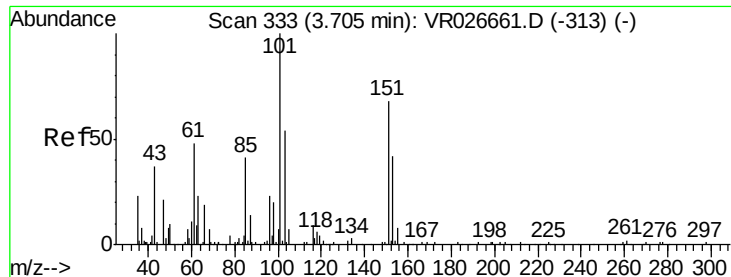
Tgt Ion: 101 Resp: 618069

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4





#10

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

Concen: 20.105 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR026663.D

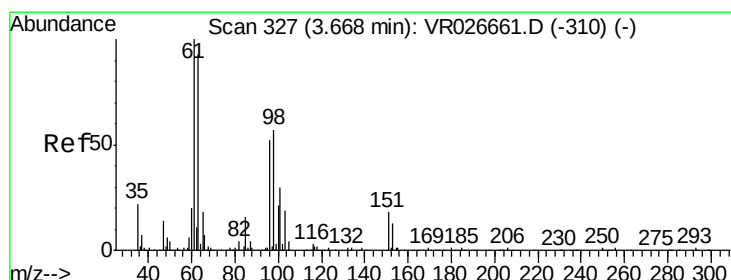
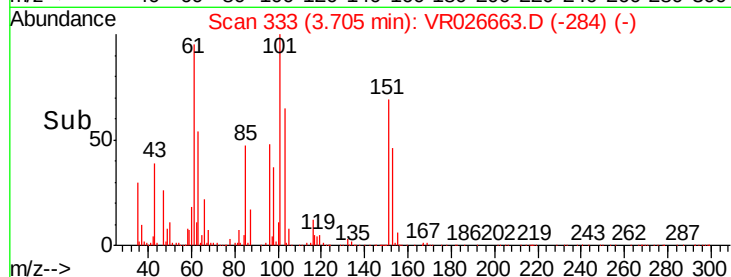
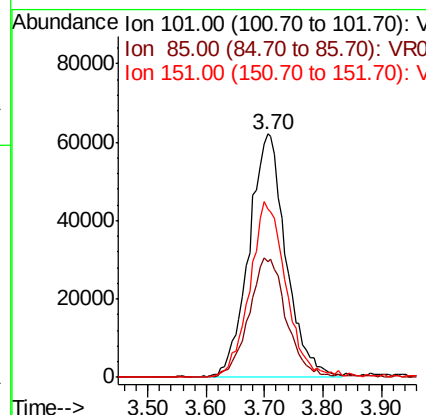
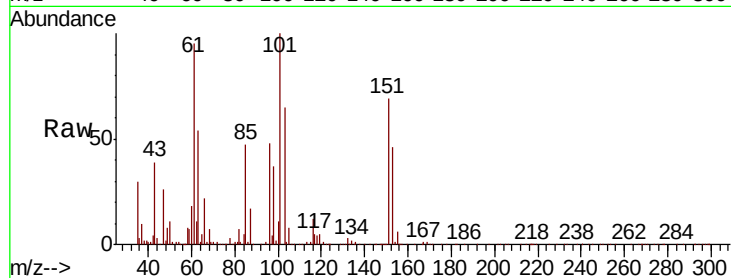
Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	101	Resp:	271883
Ion	Ratio	Lower	Upper
101	100		
85	49.8	41.8	62.8
151	70.3	27.9	41.9#



#12

1,1-Dichloroethene

Concen: 21.055 ug/L

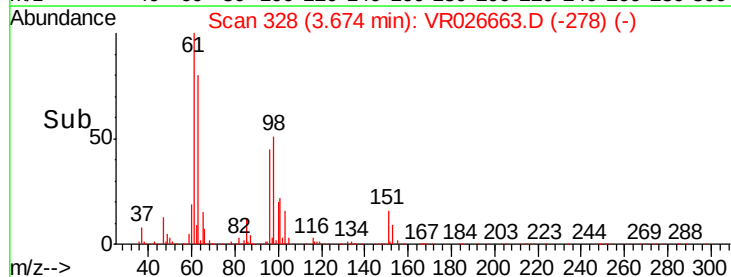
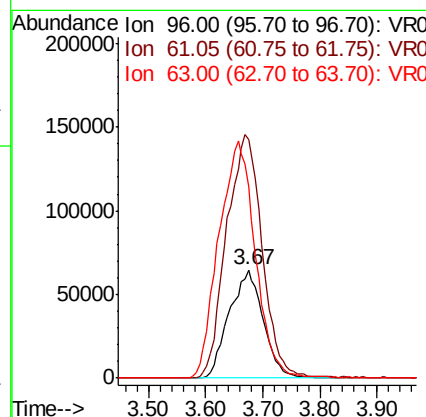
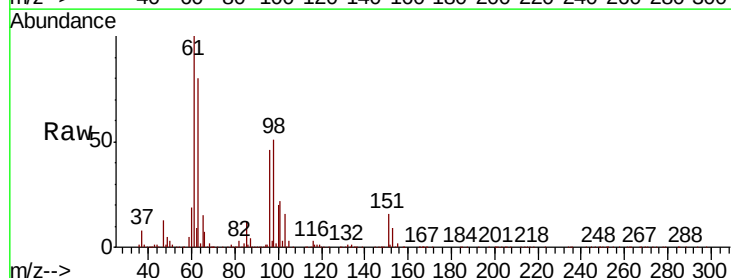
RT: 3.67 min Scan# 328

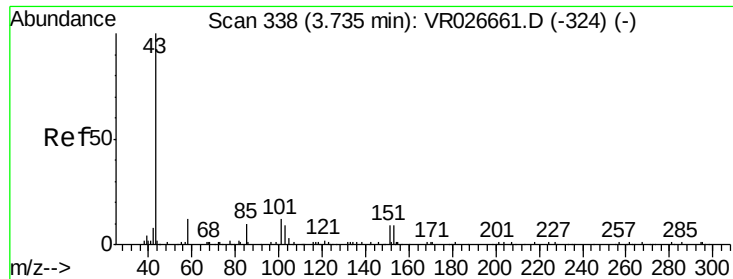
Delta R.T. 0.01 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Tgt Ion:	96	Resp:	268483
Ion	Ratio	Lower	Upper
96	100		
61	219.7	133.7	248.3
63	176.3	124.6	231.4

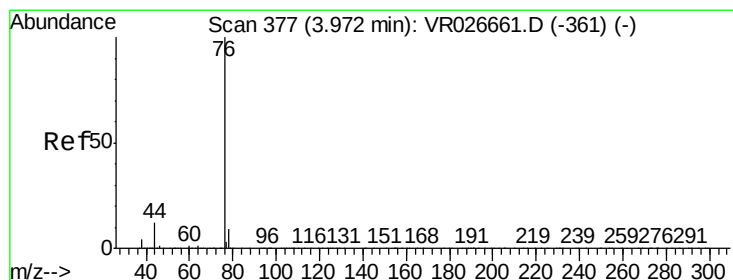
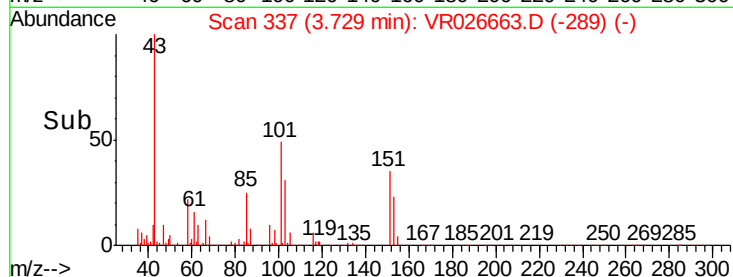
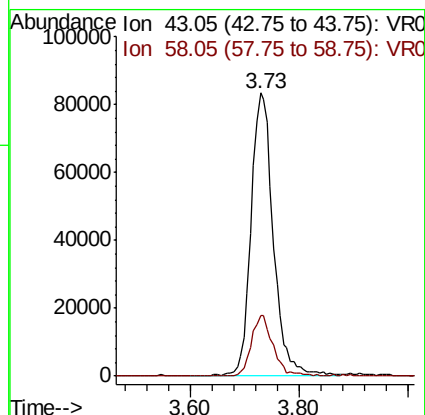
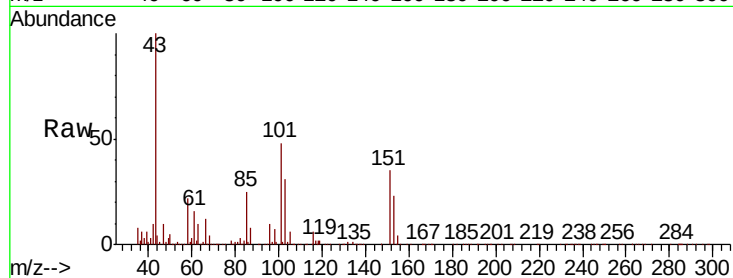




#13
Acetone
Concen: 192.108 ug/L
RT: 3.73 min Scan# 337
Delta R.T. -0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

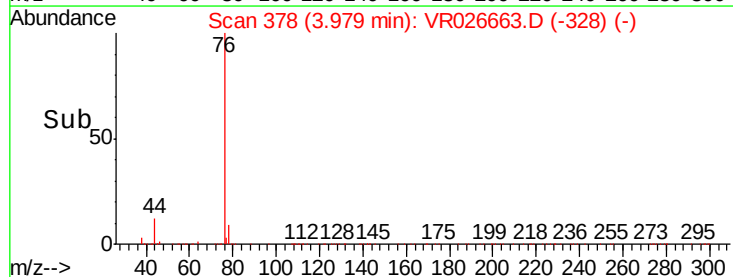
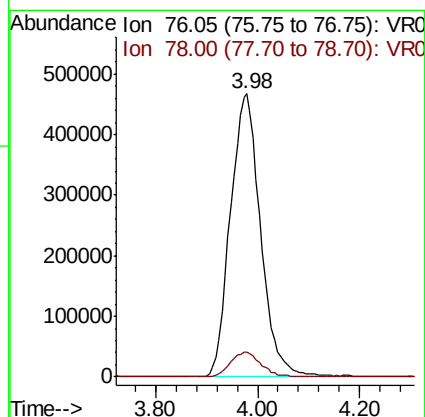
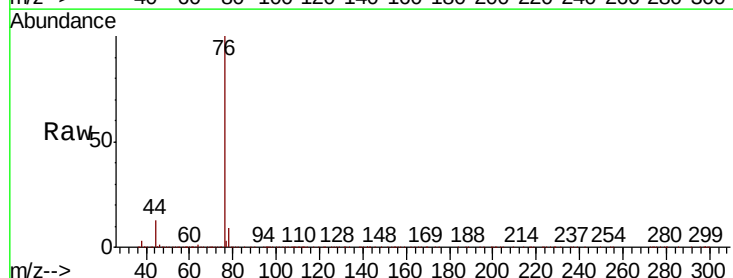
Instrument :
MSVOA_R
ClientSampleId :

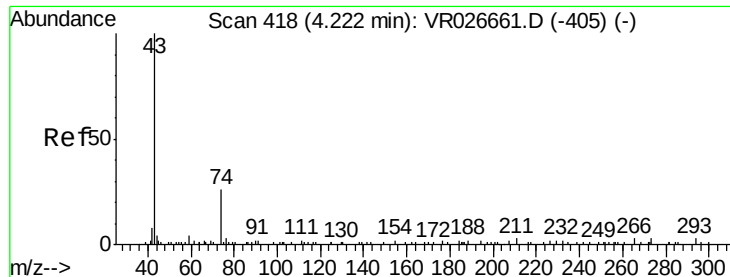
Tot Ion: 43 Resp: 238039
Ion Ratio Lower Upper
43 100
58 20.5 0.0 22.8



#14
Carbon disulfide
Concen: 21.980 ug/L
RT: 3.98 min Scan# 378
Delta R.T. 0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion: 76 Resp: 1914066
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

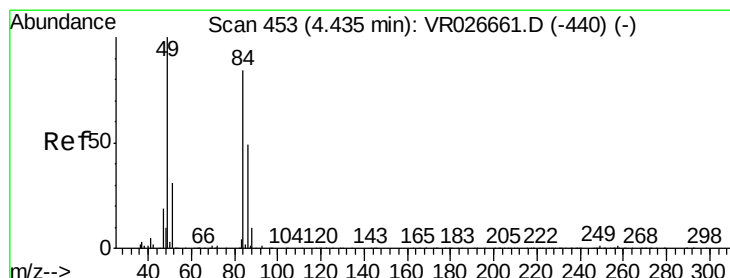
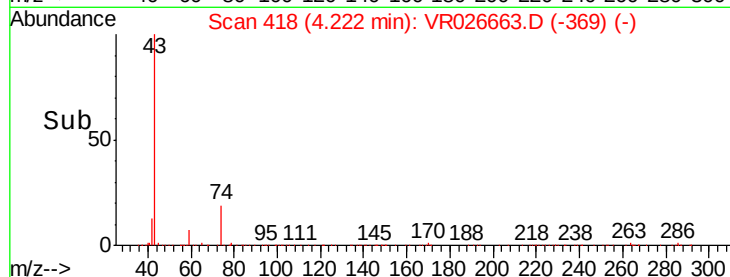
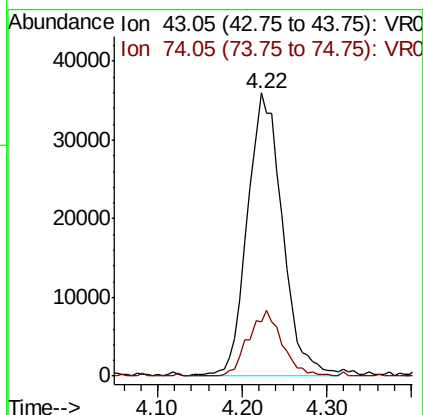
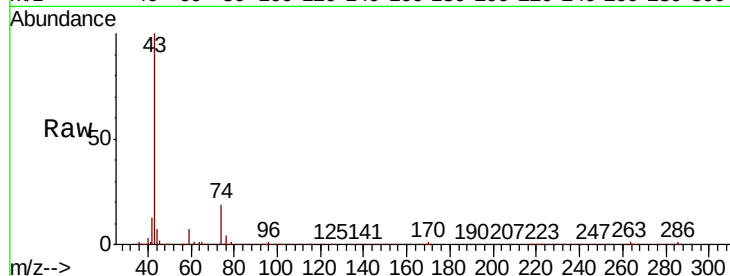




#15
Methyl Acetate
Concen: 19.320 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

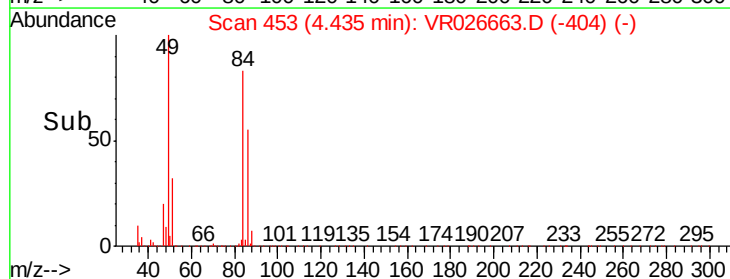
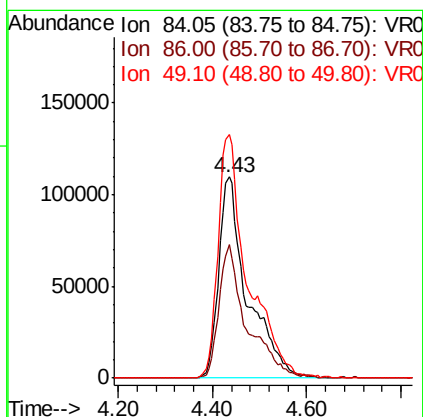
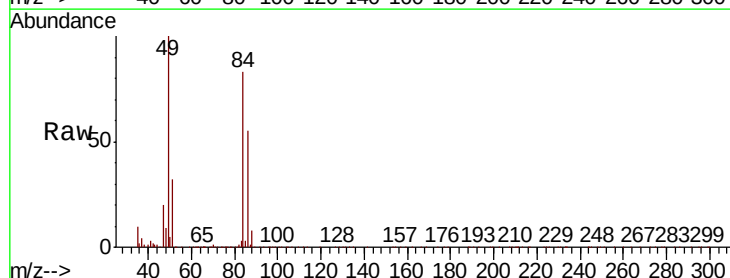
Instrument :
MSVOA_R
ClientSampleId :

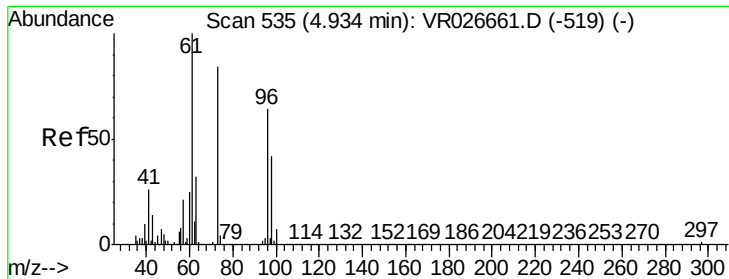
Tot Ion: 43 Resp: 101058
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.4



#16
Methylene chloride
Concen: 17.325 ug/L
RT: 4.43 min Scan# 453
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion: 84 Resp: 464799
Ion Ratio Lower Upper
84 100
86 66.6 41.6 77.2
49 121.0 83.7 155.5

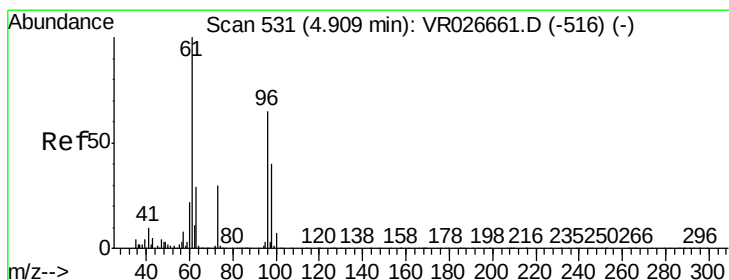
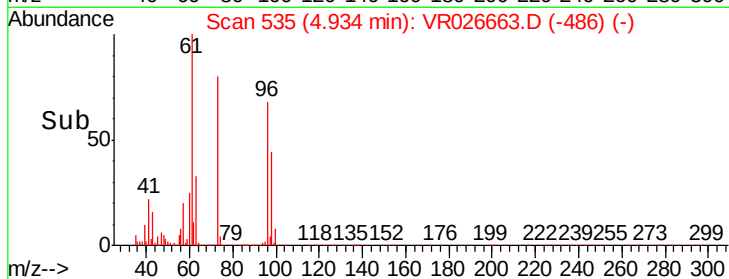
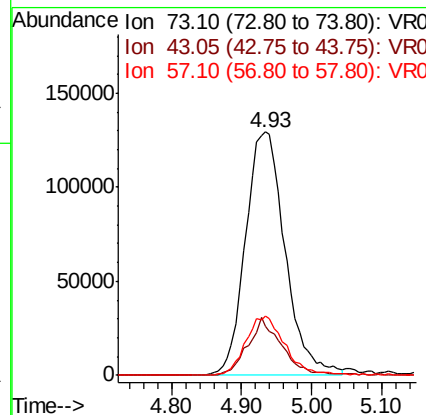
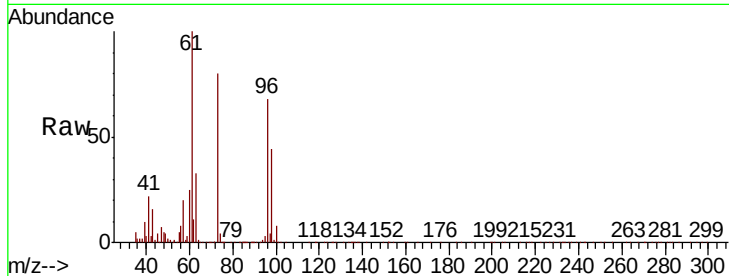




#17
Methvl tert-butvl Ether
Concen: 22.470 ug/L
RT: 4.93 min Scan# 535
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

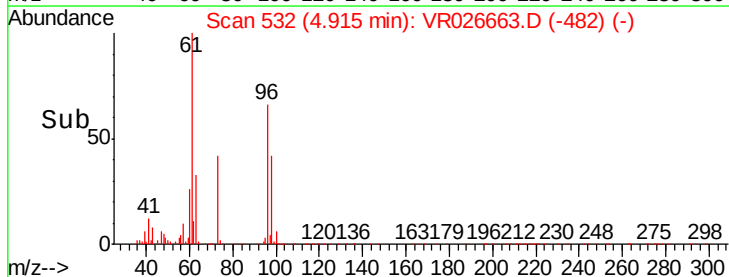
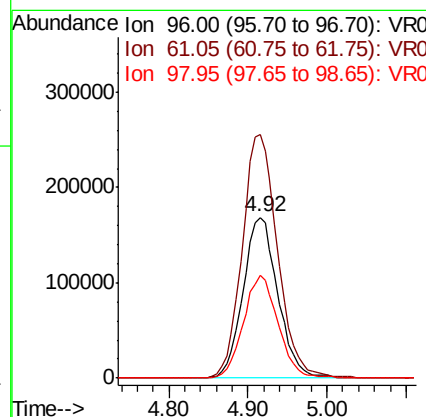
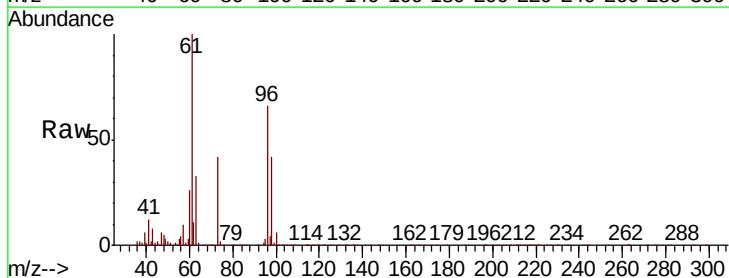
Instrument :
MSVOA_R
ClientSampleId :

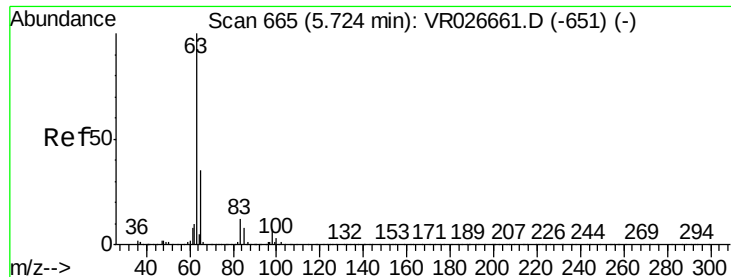
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.1	22.7
57	23.9	19.1	28.7



#18
trans-1,2-Dichloroethene
Concen: 20.843 ug/L
RT: 4.92 min Scan# 532
Delta R.T. 0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	107.2	199.0
98	64.1	42.5	78.9

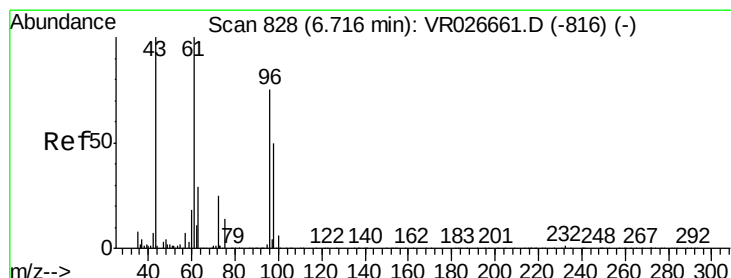
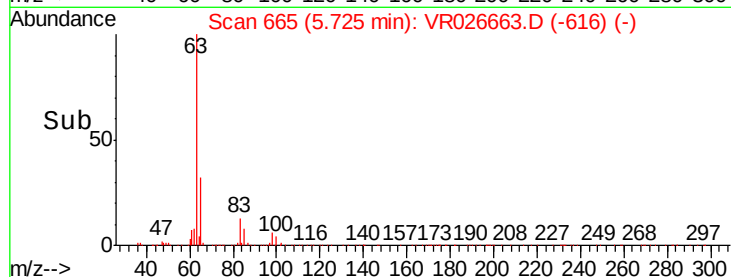
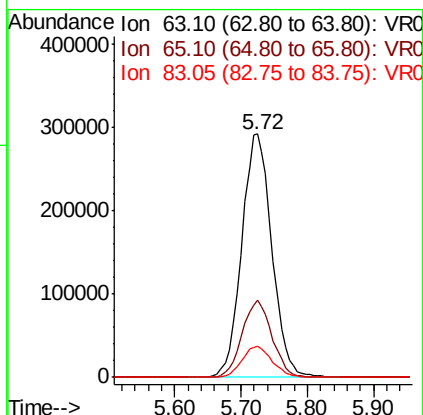
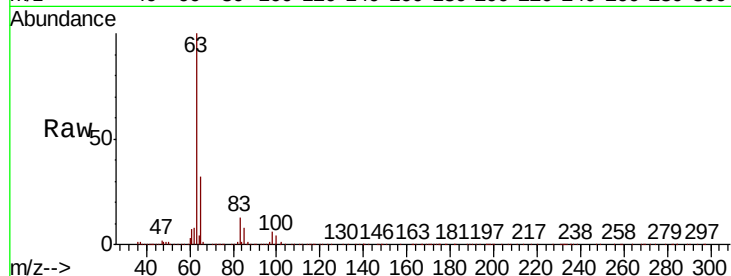




#19
 1,1-Dichloroethane
 Concen: 21.402 ug/L
 RT: 5.72 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

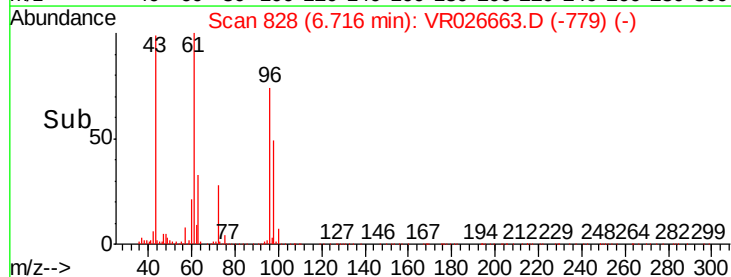
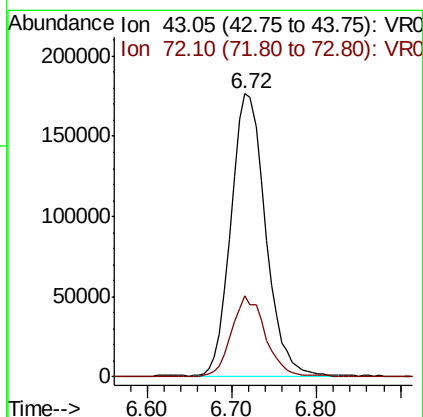
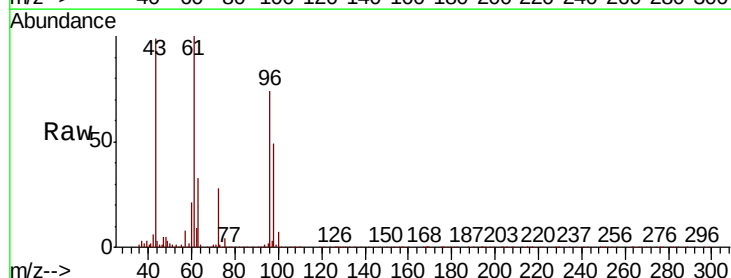
Instrument :
 MSVOA_R
 ClientSampleId :

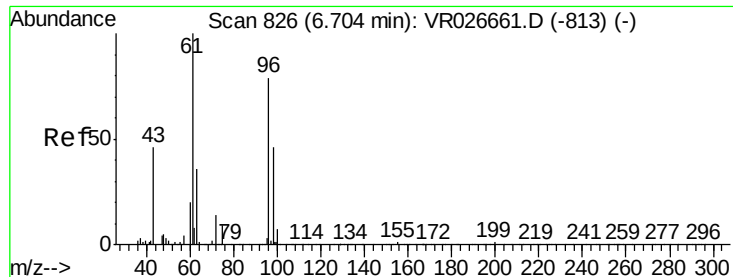
Tot Ion: 63 Resp: 918212
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.5 45.5
 83 12.7 8.3 15.3



#21
 2-Butanone
 Concen: 244.891 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion: 43 Resp: 486903
 Ion Ratio Lower Upper
 43 100
 72 28.3 13.2 39.6



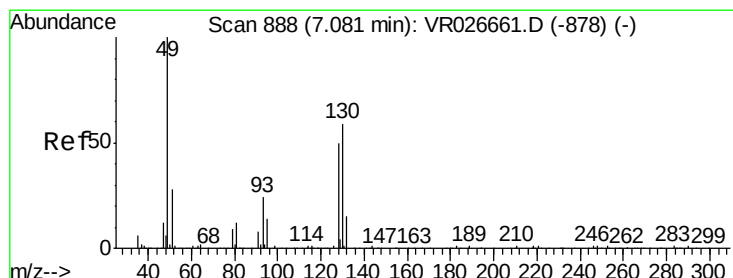
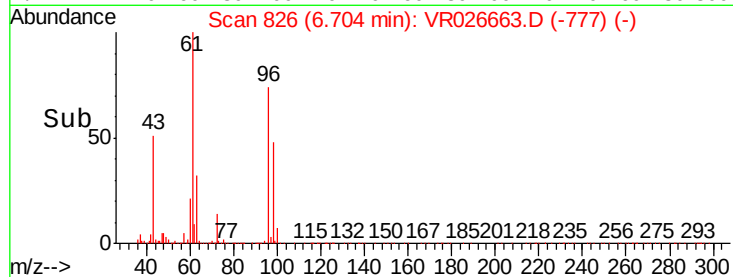
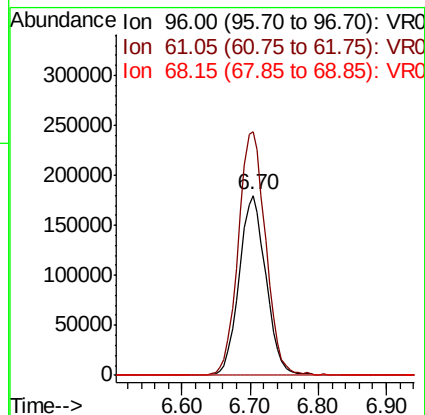
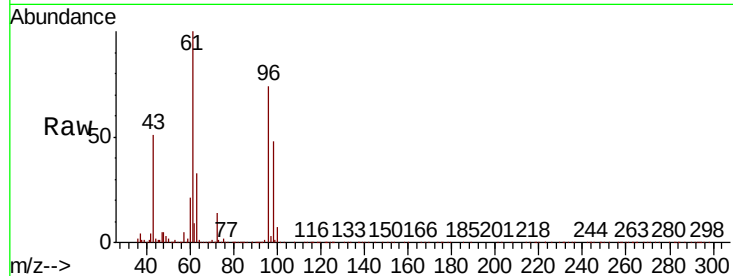


#22

cis-1,2-Dichloroethene
Concen: 21.818 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Instrument :
MSVOA_R
ClientSampleId :

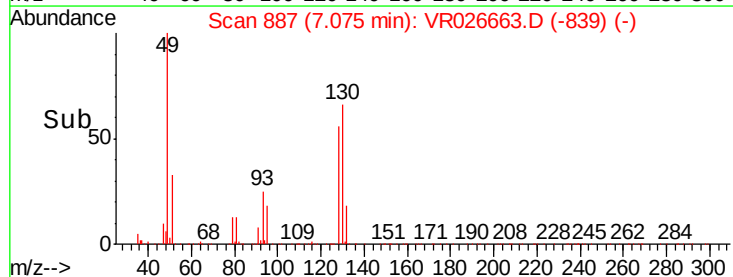
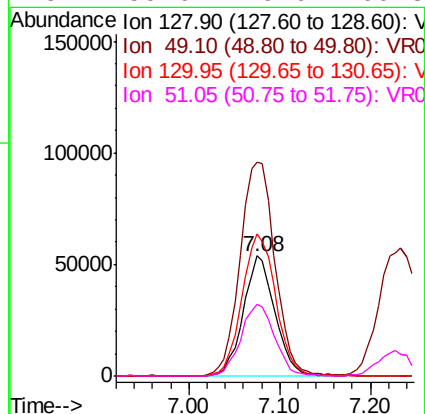
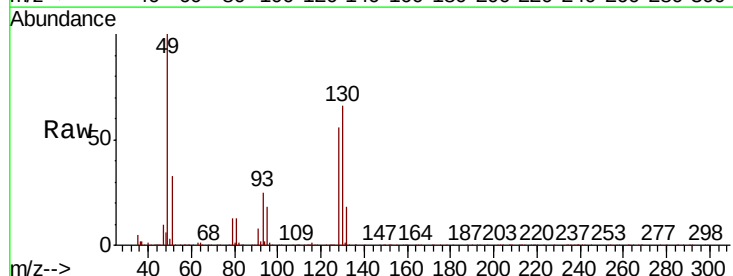
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	88.5	164.4
68	0.1	0.1	0.3

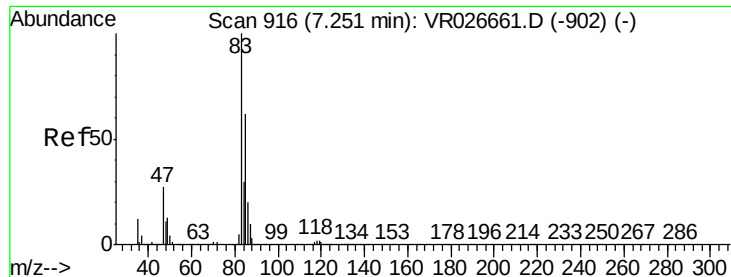


#23

Bromochloromethane
Concen: 19.979 ug/L
RT: 7.08 min Scan# 887
Delta R.T. -0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.9	140.9	261.7
130	118.2	82.7	153.5
51	59.6	46.6	69.8





#25

Chloroform

Concen: 18.728 ug/L

RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

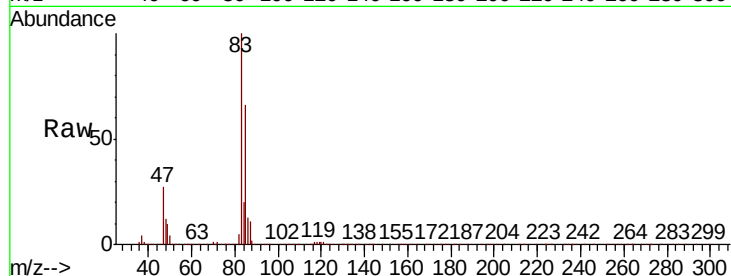
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 83 Resp: 792272

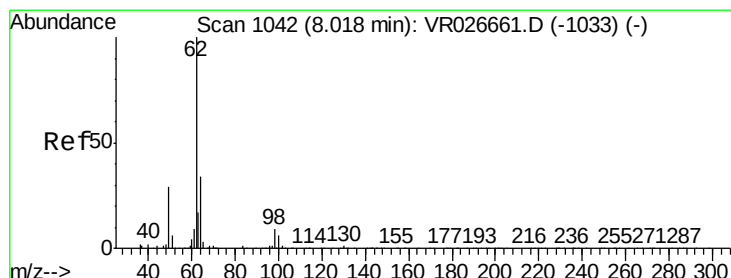
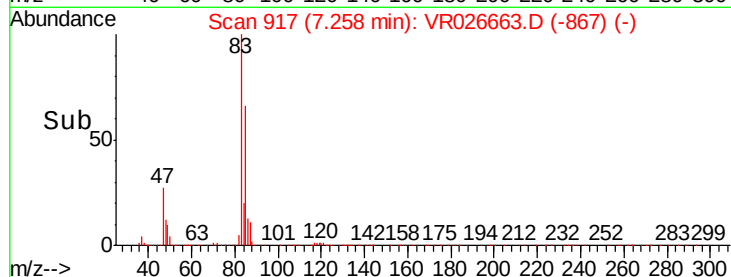
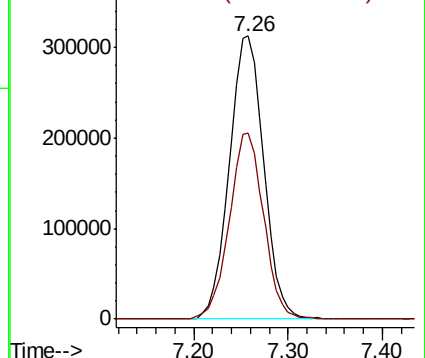
Ion Ratio Lower Upper

83 100

85 65.6 43.3 80.3



Abundance Ion 83.05 (82.75 to 83.75): VR0
Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 20.239 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026663.D

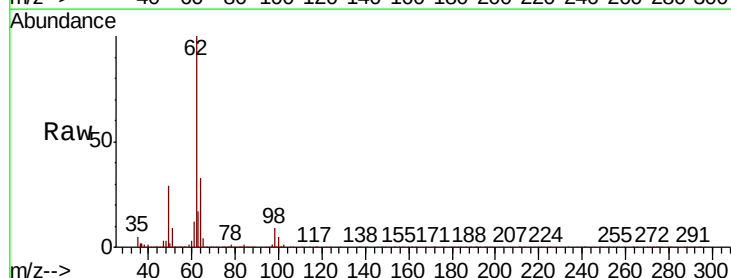
Acq: 11 Oct 2019 12:10

Tgt Ion: 62 Resp: 327528

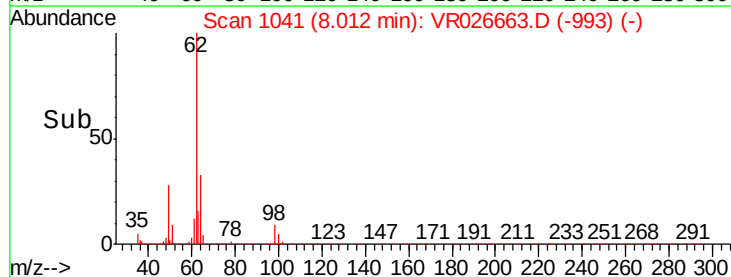
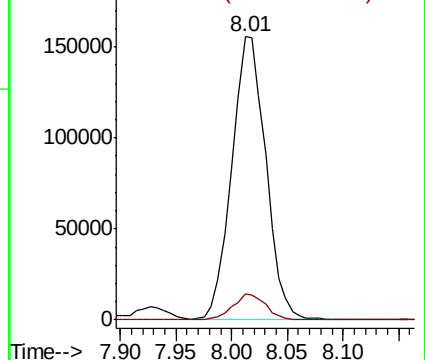
Ion Ratio Lower Upper

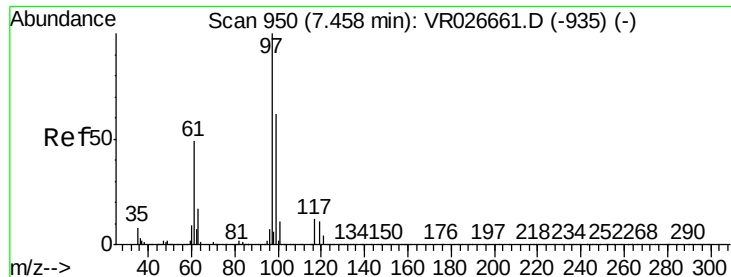
62 100

98 9.2 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VR0
Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 20.881 ug/L

RT: 7.46 min Scan# 950

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :
MSVOA_R
ClientSampled :

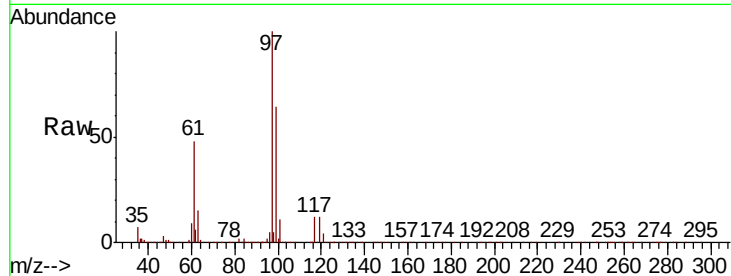
Tot Ion: 97 Resp: 648510

Ion Ratio Lower Upper

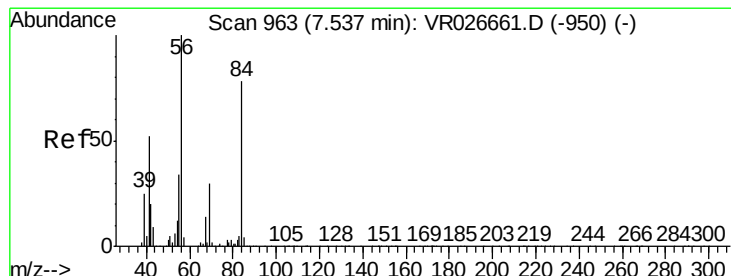
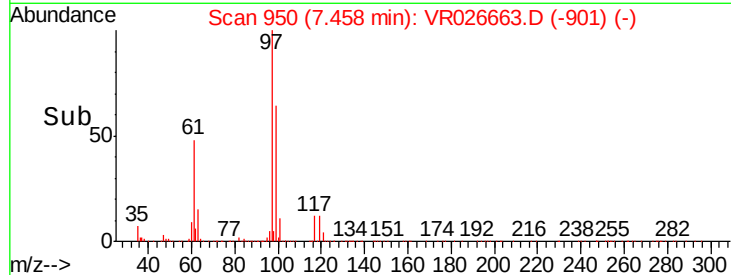
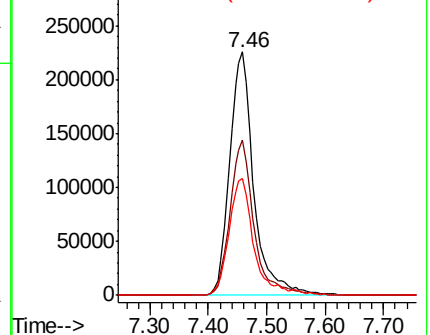
97 100

99 63.5 51.2 76.8

61 50.0 41.4 62.2



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



#30

Cyclohexane

Concen: 27.155 ug/L

RT: 7.54 min Scan# 964

Delta R.T. 0.01 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

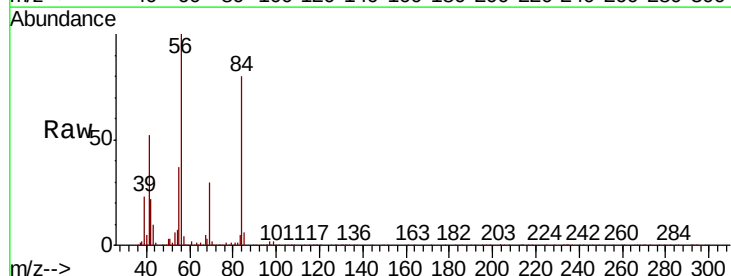
Tgt Ion: 56 Resp: 959424

Ion Ratio Lower Upper

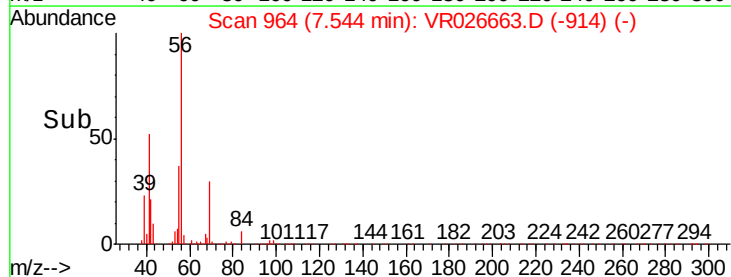
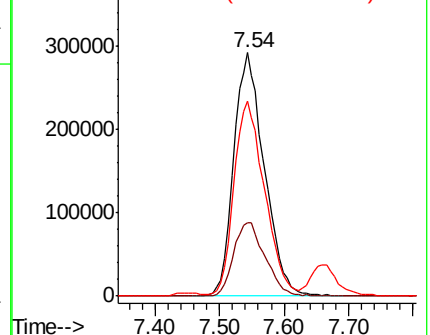
56 100

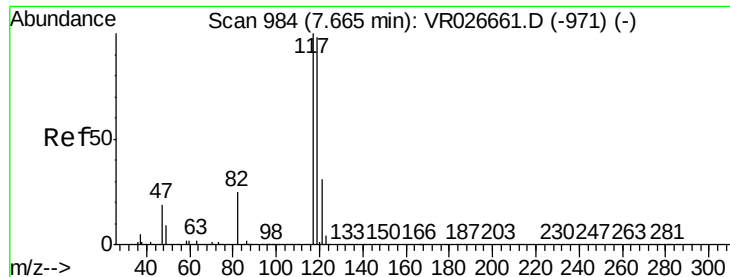
69 31.1 24.6 37.0

84 80.7 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



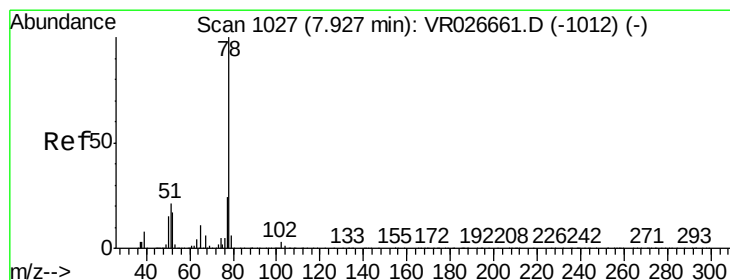
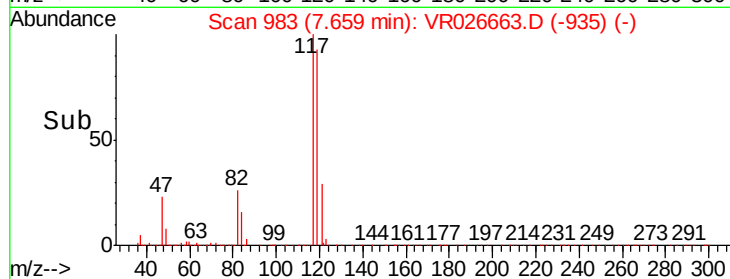
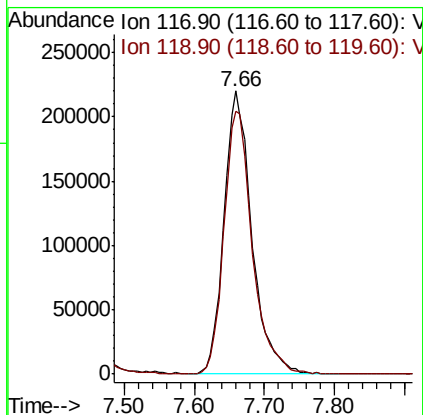
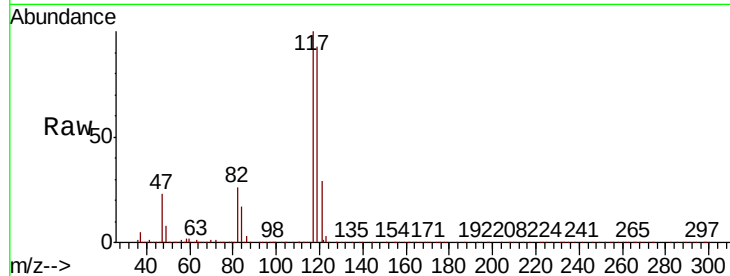


#31

Carbon tetrachloride
Concen: 20.944 ug/L
RT: 7.66 min Scan# 983
Delta R.T. -0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Instrument :
MSVOA_R
ClientSampleId :

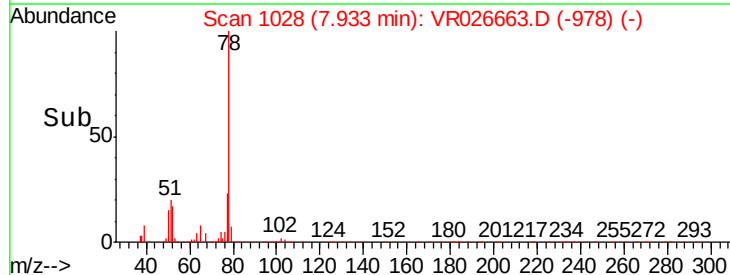
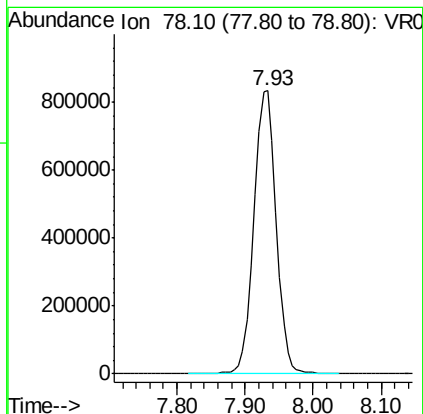
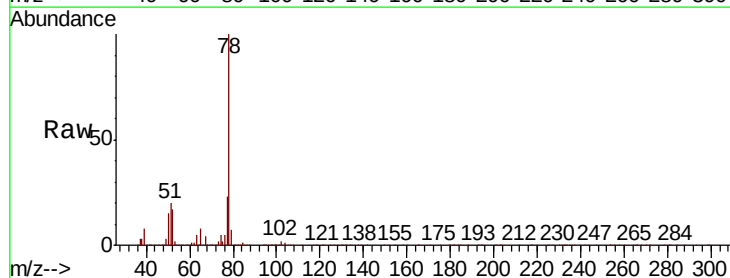
Tot Ion:117 Resp: 605018
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2

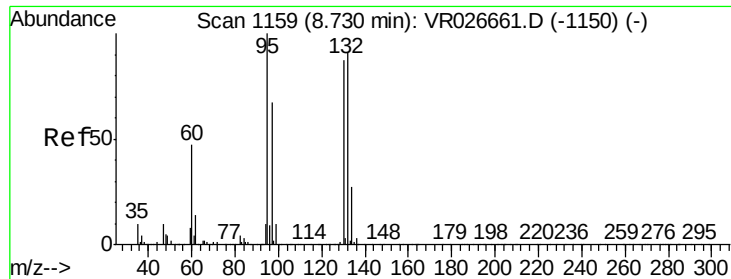


#33

Benzene
Concen: 21.496 ug/L
RT: 7.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion: 78 Resp: 1906860

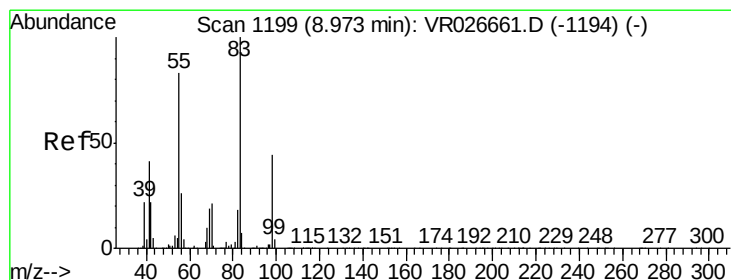
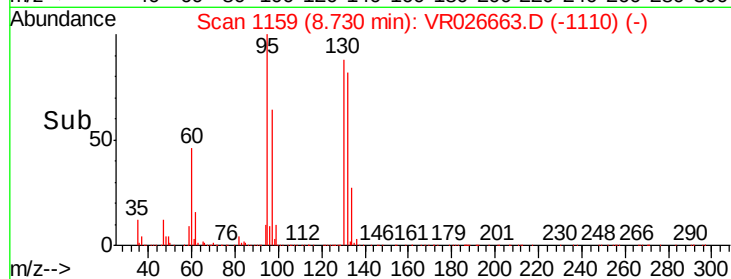
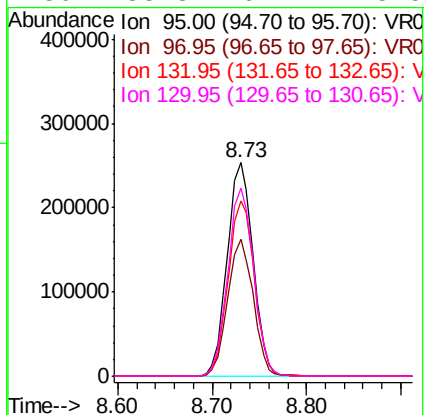
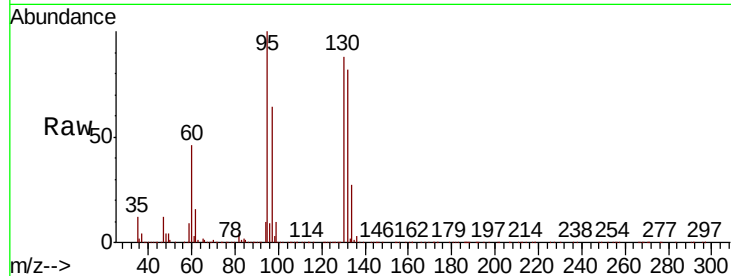




#34
 Trichloroethene
 Concen: 20.738 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

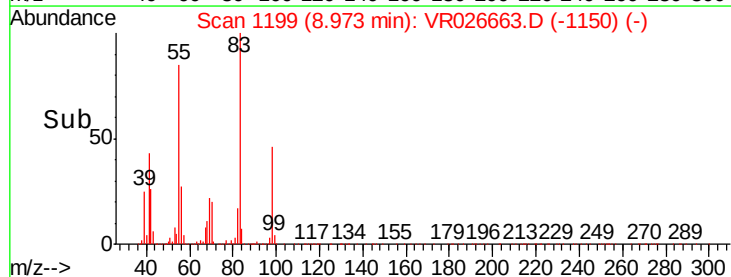
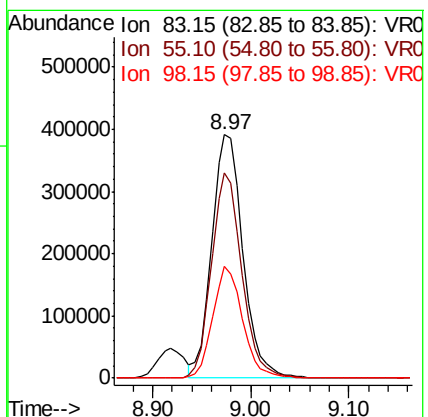
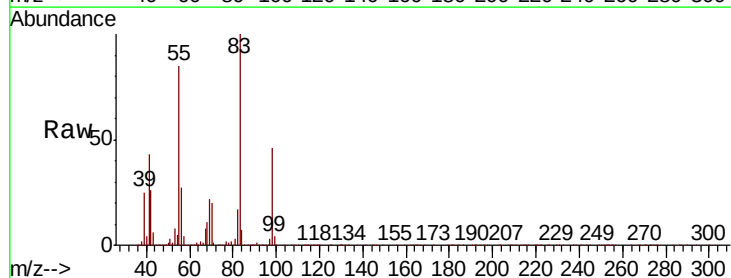
Instrument :
 MSVOA_R
 ClientSampleId :

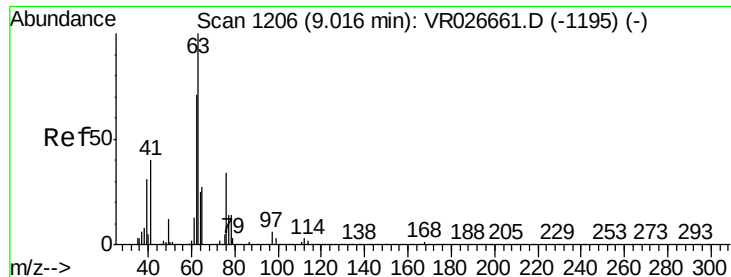
Tot Ion:	95	Resp:	483456
Ion	Ratio	Lower	Upper
95	100		
97	64.2	47.3	87.9
132	82.3	64.0	118.8
130	88.3	61.1	113.5



#35
 Methylcyclohexane
 Concen: 24.742 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion:	83	Resp:	860296
Ion	Ratio	Lower	Upper
83	100		
55	82.6	67.8	101.6
98	44.4	35.0	52.4

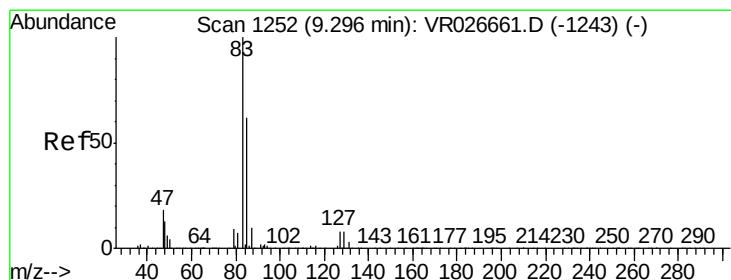
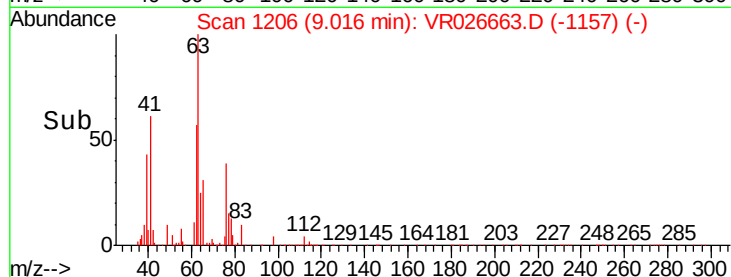
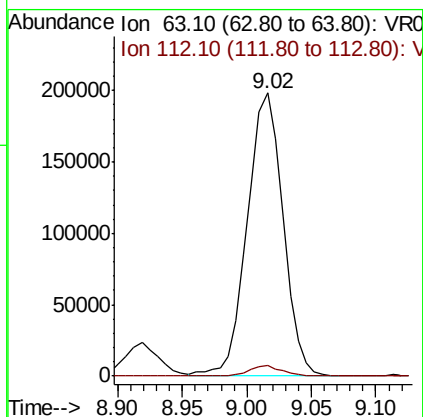
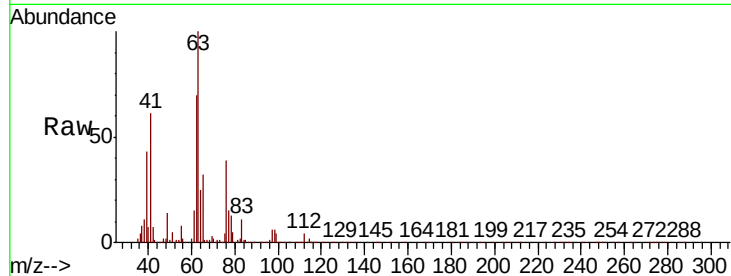




#37
 1,2-Dichloropropane
 Concen: 21.398 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

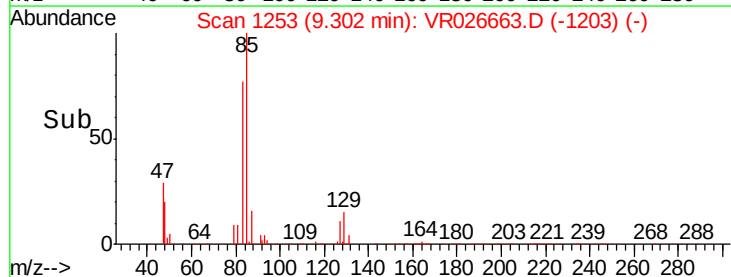
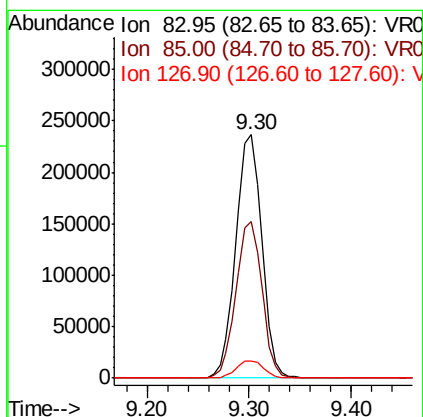
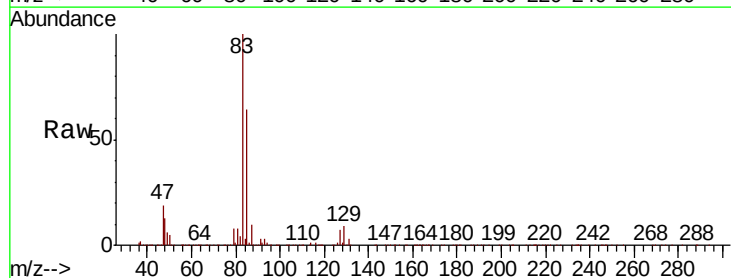
Instrument :
 MSVOA_R
 ClientSampled :

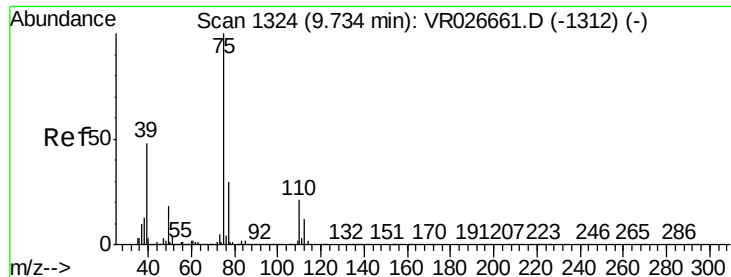
Tot Ion: 63 Resp: 378828
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.4 3.6#



#38
 Bromodichloromethane
 Concen: 20.937 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion: 83 Resp: 416309
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.5 80.7
 127 7.1 6.2 9.2

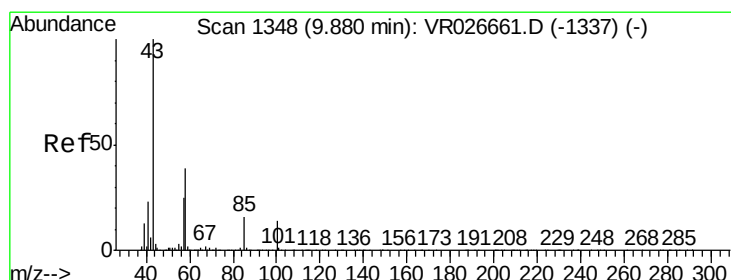
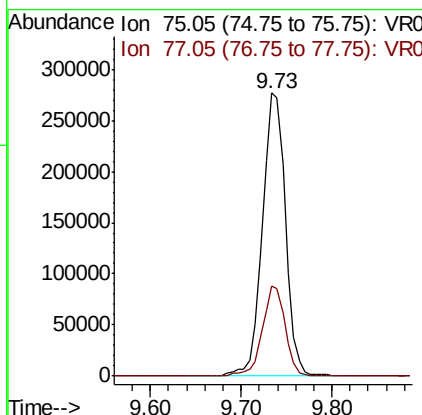
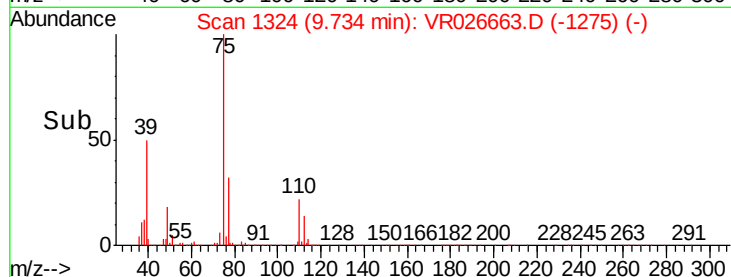
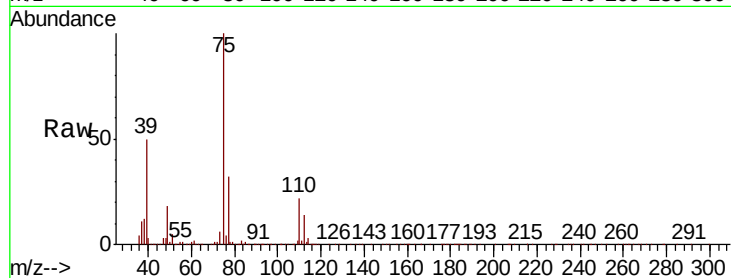




#39
 cis-1,3-Dichloropropene
 Concen: 25.006 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

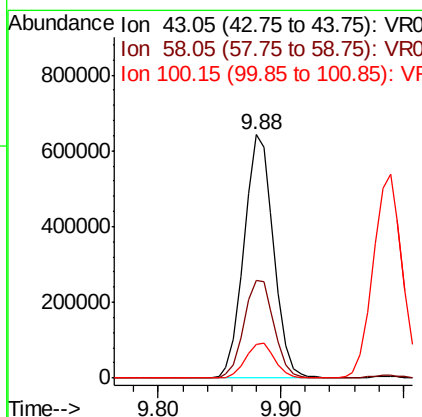
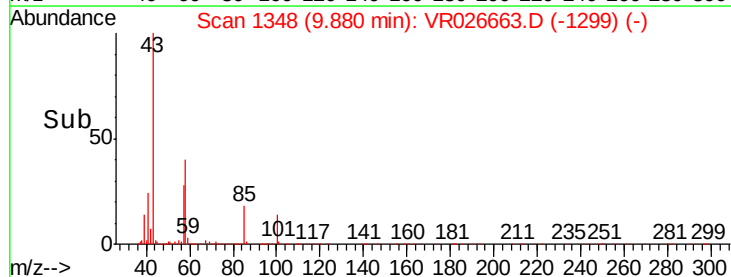
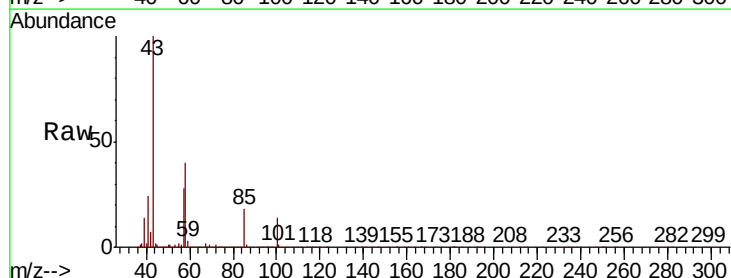
Instrument :
 MSVOA_R
 ClientSampleId :

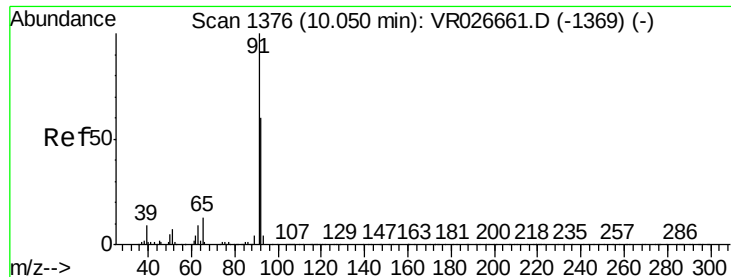
Tot Ion: 75 Resp: 487579
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 255.699 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion: 43 Resp: 1073180
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.2
 100 14.2 10.8 16.2





#42

Toluene

Concen: 22.718 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

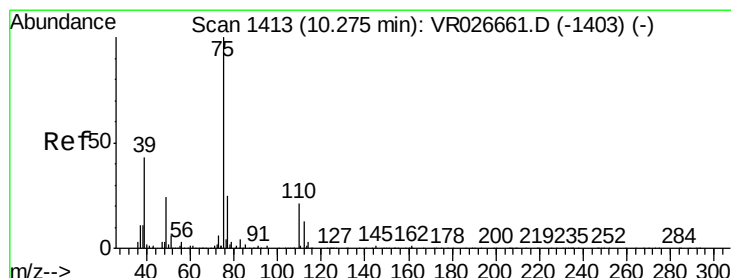
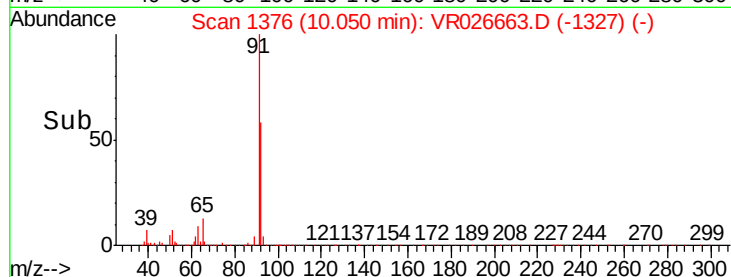
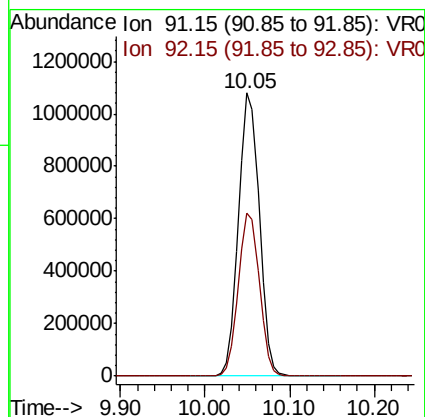
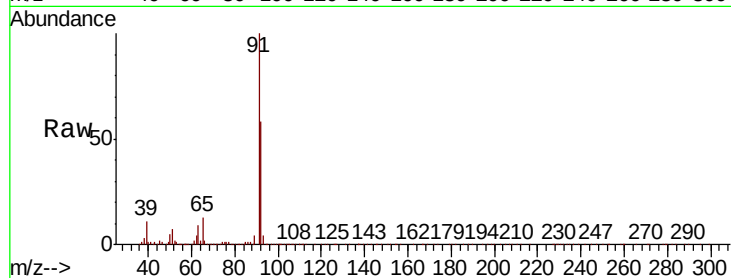
ClientSampleId :

Tot Ion: 91 Resp: 1791239

Ion Ratio Lower Upper

91 100

92 57.7 42.4 78.6



#44

trans-1,3-Dichloropropene

Concen: 24.513 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VR026663.D

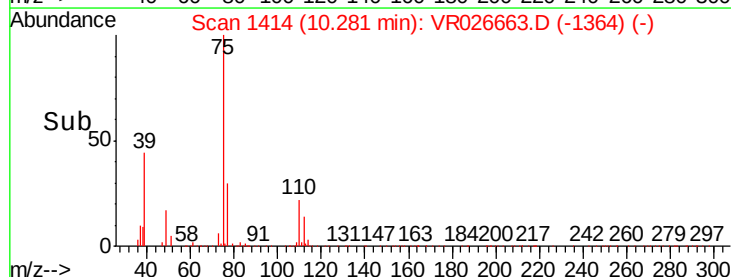
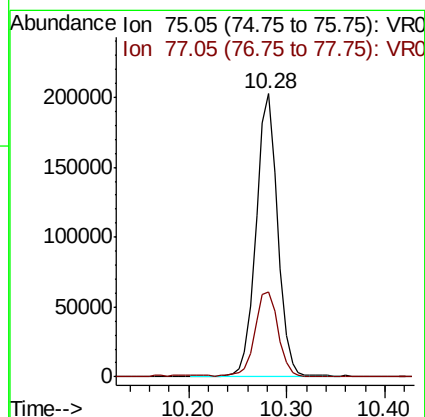
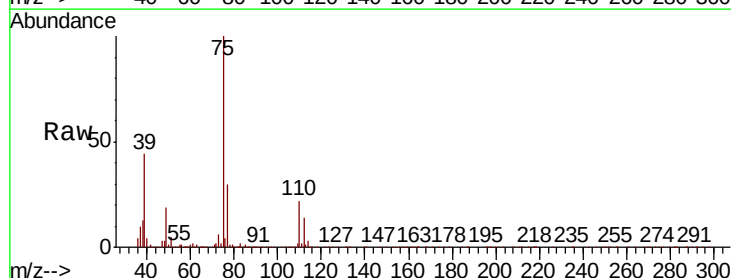
Acq: 11 Oct 2019 12:10

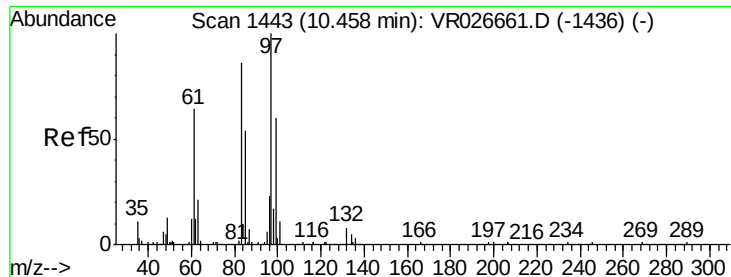
Tgt Ion: 75 Resp: 312042

Ion Ratio Lower Upper

75 100

77 30.1 19.8 36.8

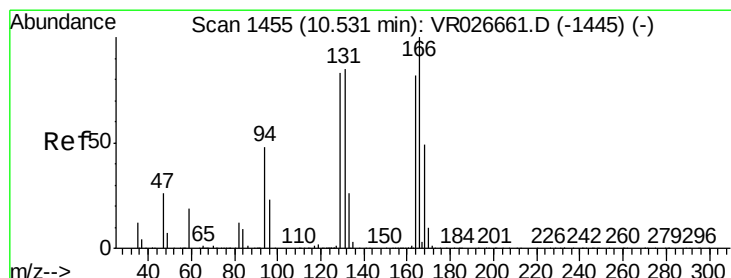
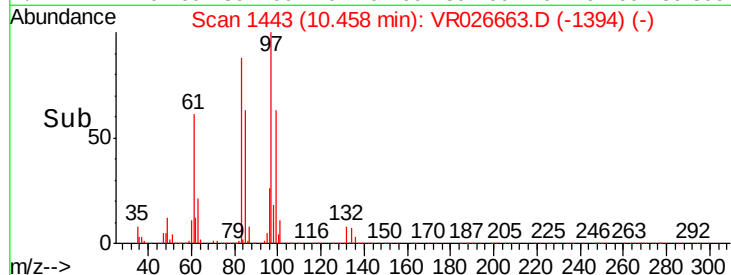
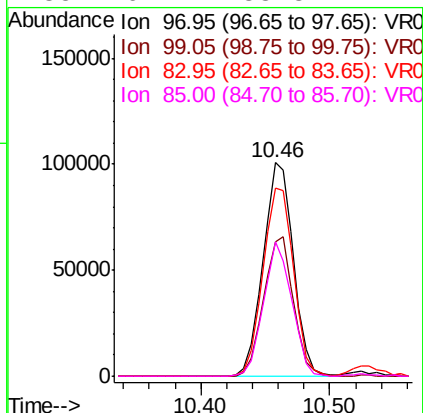
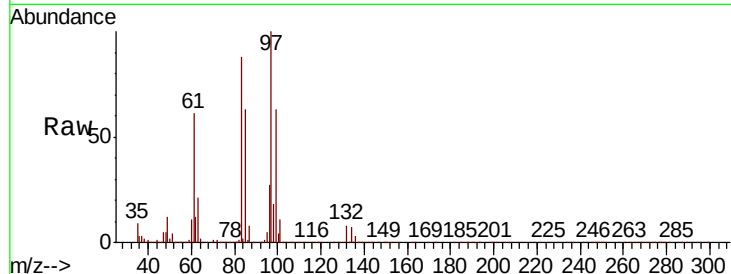




#45
 1,1,2-Trichloroethane
 Concen: 19.528 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

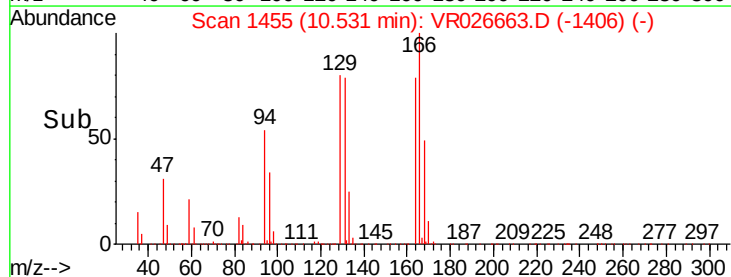
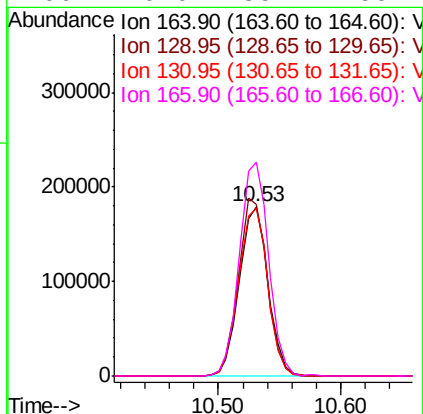
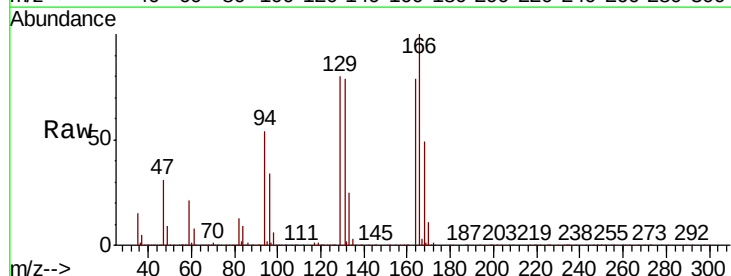
Instrument :
 MSVOA_R
 ClientSampleId :

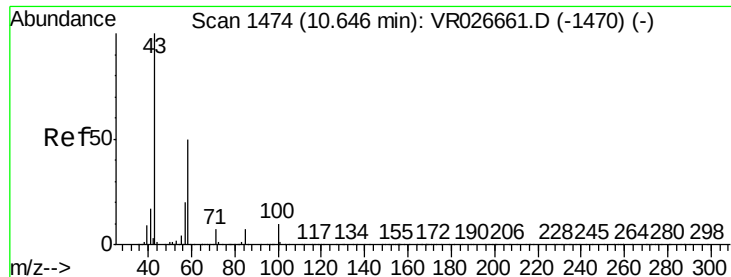
Tot Ion:	97	Resp:	163442
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.4	78.6
83	88.1	60.3	112.1
85	62.7	38.3	71.1



#47
 Tetrachloroethene
 Concen: 20.155 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion:	164	Resp:	291711
Ion	Ratio	Lower	Upper
164	100		
129	101.4	71.4	132.6
131	99.0	73.1	135.7
166	126.0	85.7	159.1

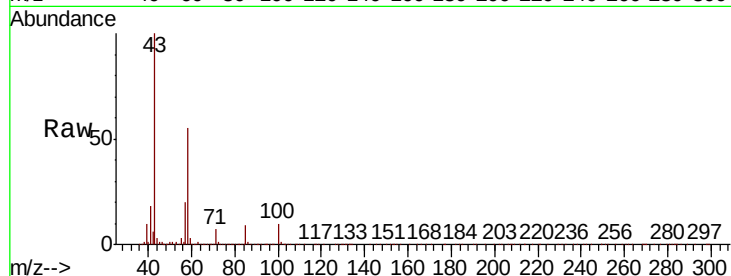




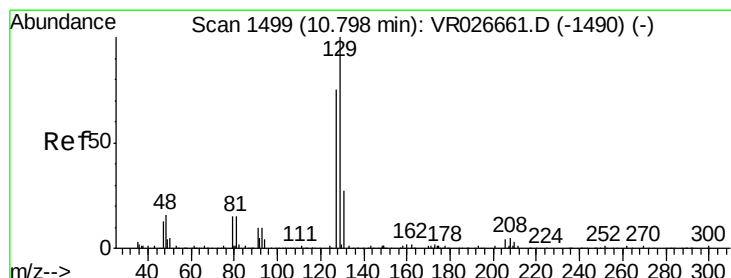
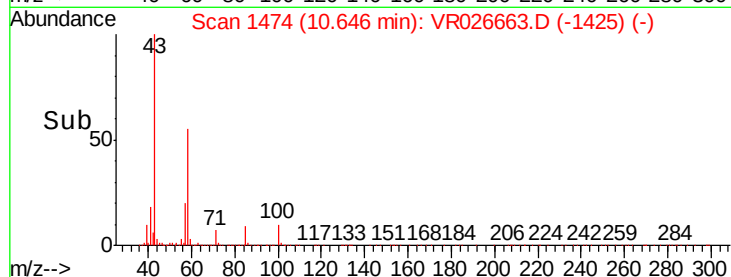
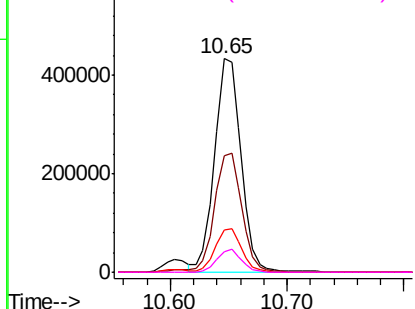
#48
2-Hexanone
Concen: 240.214 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 676306
Ion Ratio Lower Upper
43 100
58 58.5 45.0 67.4
57 20.1 16.2 24.4
100 10.3 8.4 12.6

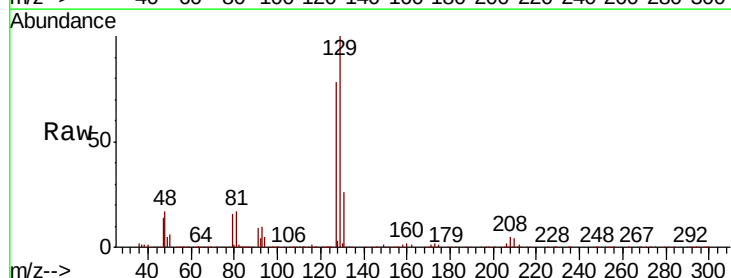


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

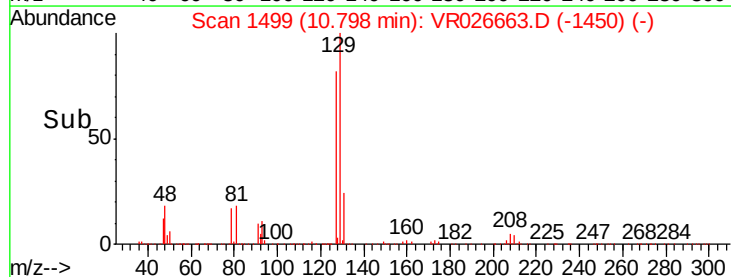
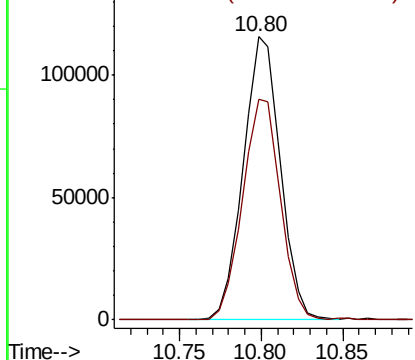


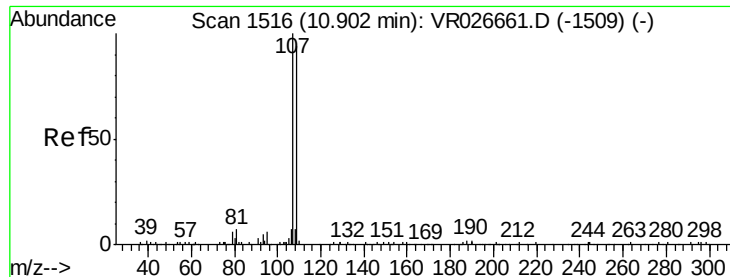
#49
Dibromochloromethane
Concen: 20.533 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion: 129 Resp: 183199
Ion Ratio Lower Upper
129 100
127 78.0 52.6 97.6



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

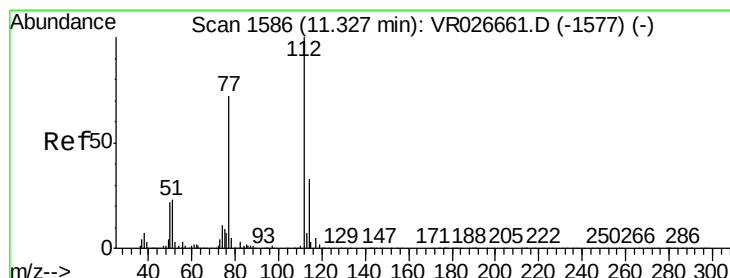
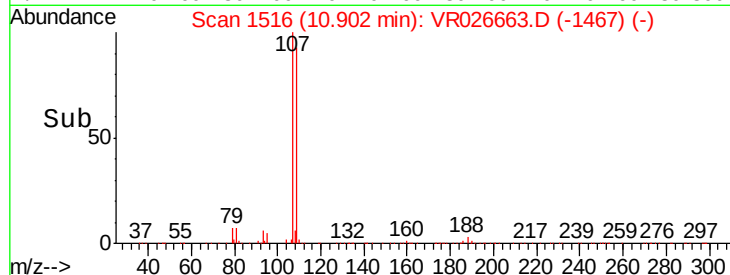
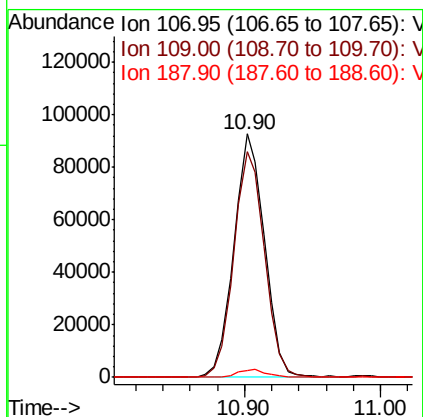
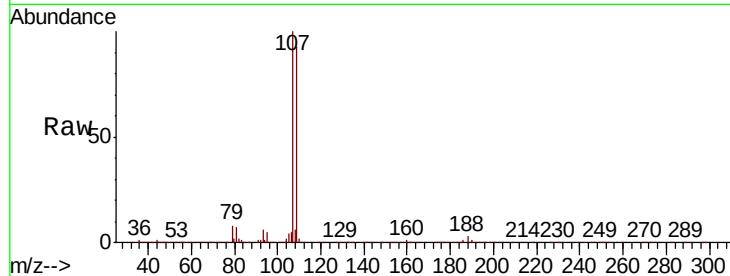




#50
1,2-Dibromoethane
Concen: 20.905 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

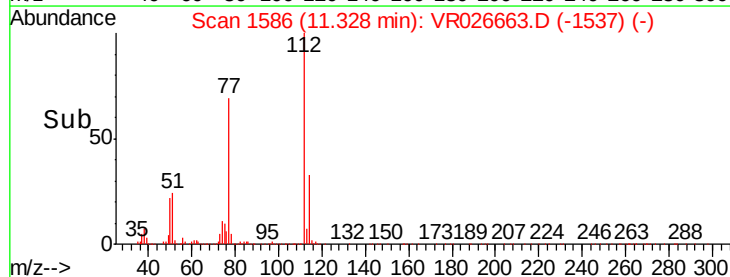
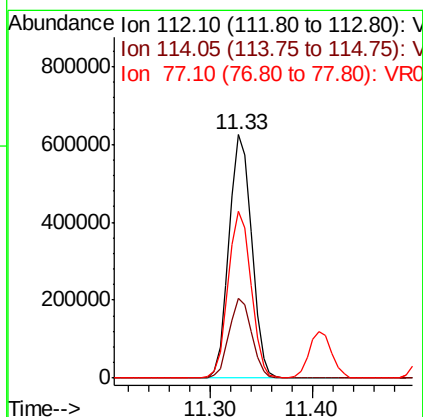
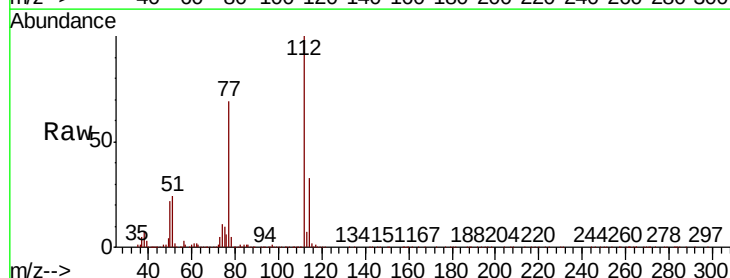
Instrument :
MSVOA_R
ClientSampleId :

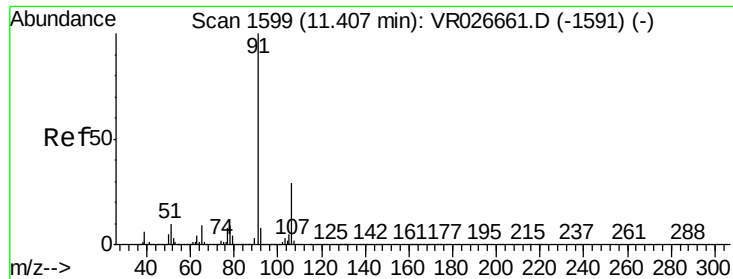
Tot Ion:107 Resp: 144882
Ion Ratio Lower Upper
107 100
109 92.7 66.9 124.3
188 3.1 1.8 2.6#



#51
Chlorobenzene
Concen: 20.457 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion:112 Resp: 959732
Ion Ratio Lower Upper
112 100
114 32.6 23.1 42.9
77 68.7 57.2 85.8





#52

Ethylbenzene

Concen: 23.288 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

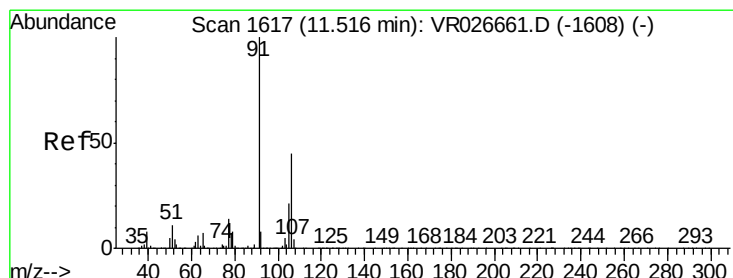
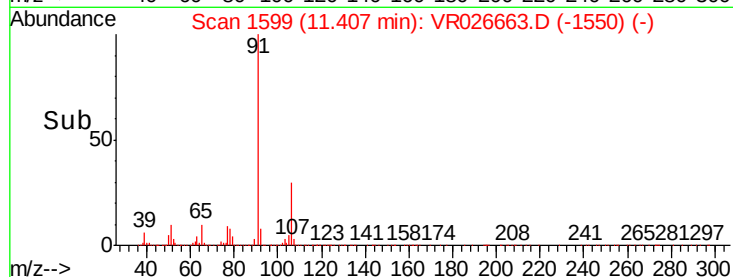
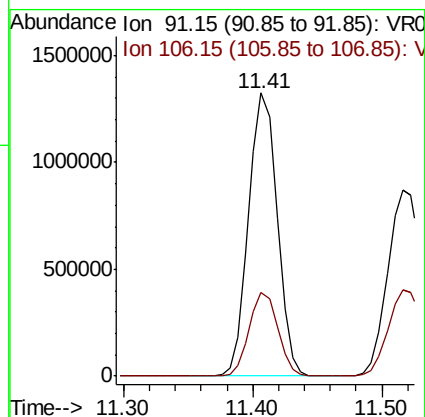
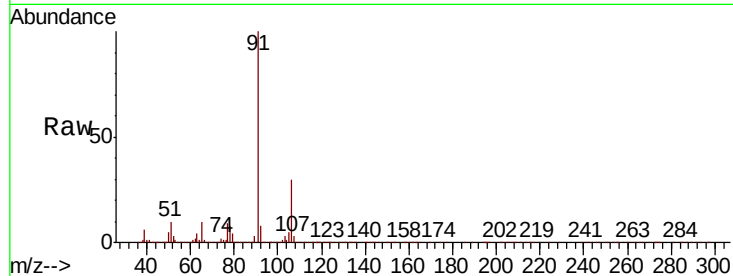
ClientSampleId :

Tot Ion: 91 Resp: 2030358

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.2



#53

m,p-Xylene

Concen: 23.088 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VR026663.D

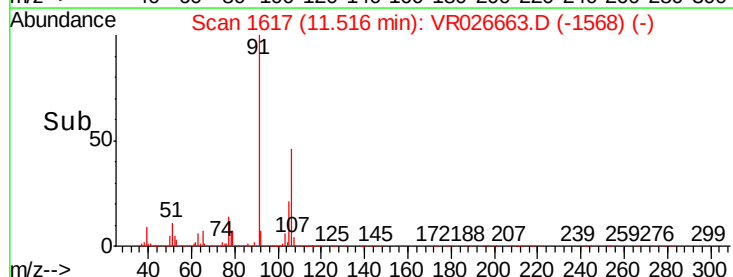
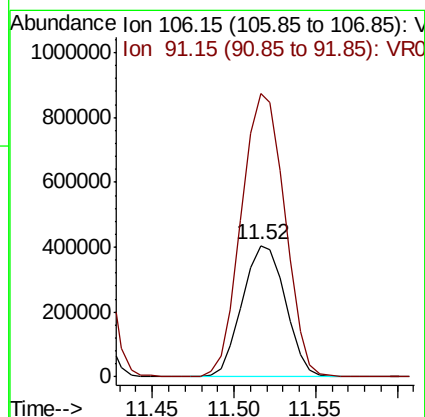
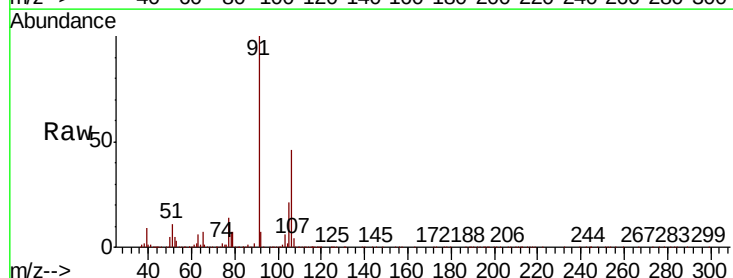
Acq: 11 Oct 2019 12:10

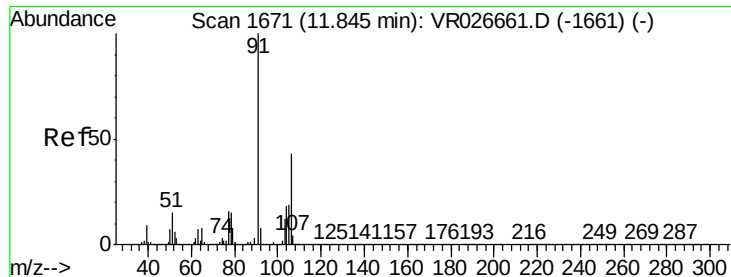
Tgt Ion:106 Resp: 742810

Ion Ratio Lower Upper

106 100

91 215.9 157.0 291.6

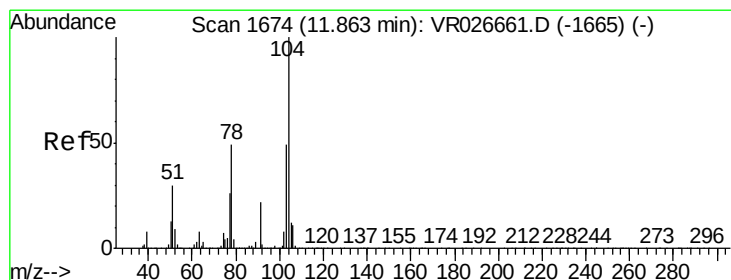
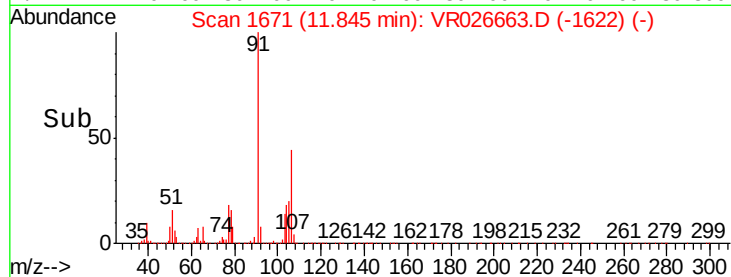
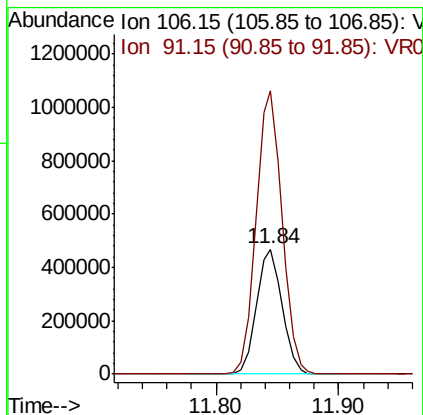
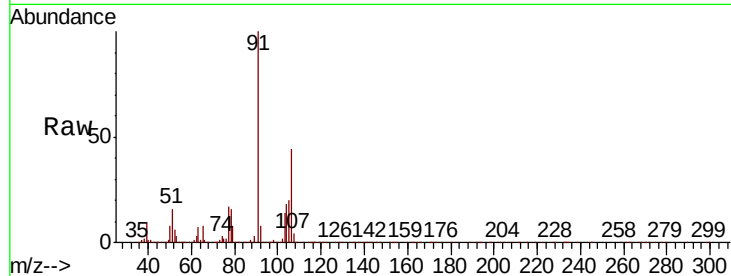




#54
o-Xylene
Concen: 23.223 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

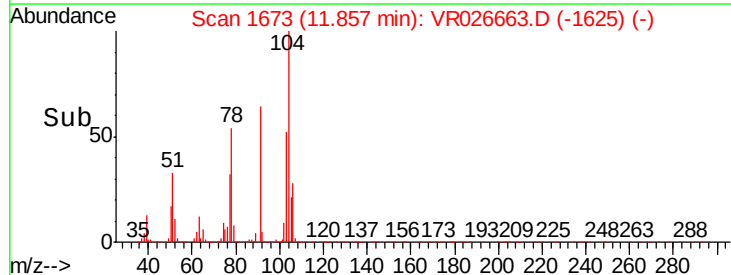
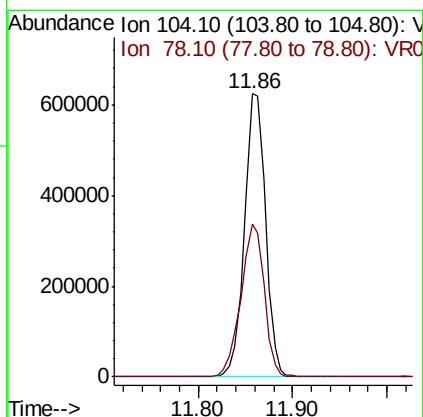
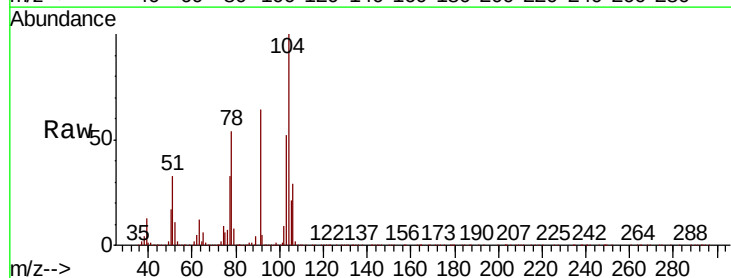
Instrument :
MSVOA_R
ClientSampleId :

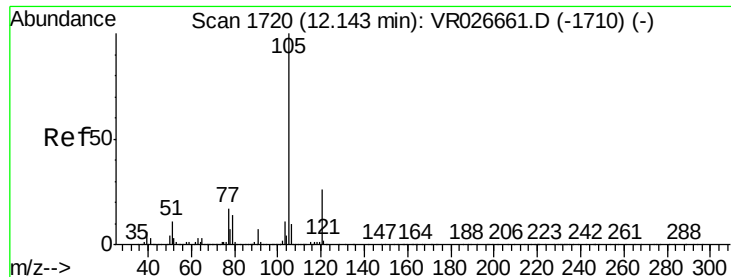
Tot Ion:106 Resp: 683647
Ion Ratio Lower Upper
106 100
91 226.5 164.5 305.5



#55
Styrene
Concen: 22.751 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026663.D
Acq: 11 Oct 2019 12:10

Tgt Ion:104 Resp: 967840
Ion Ratio Lower Upper
104 100
78 54.1 34.1 63.3





#56

Isopropylbenzene

Concen: 23.061 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

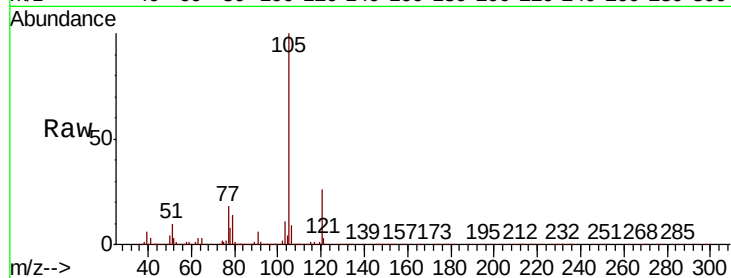
Tot Ion:105 Resp: 1997579

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

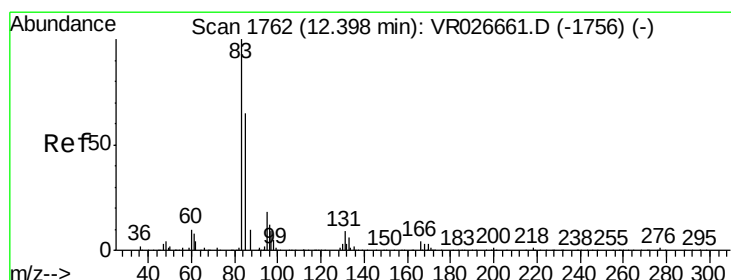
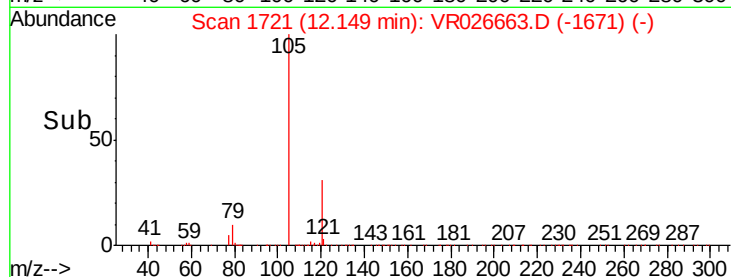
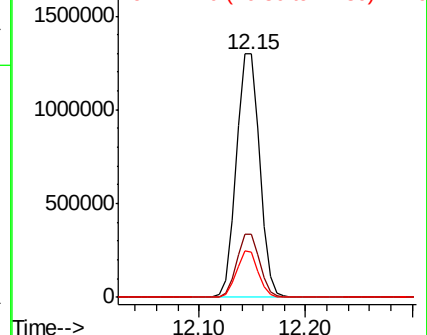
77 17.8 13.8 20.6



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: 20.621 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

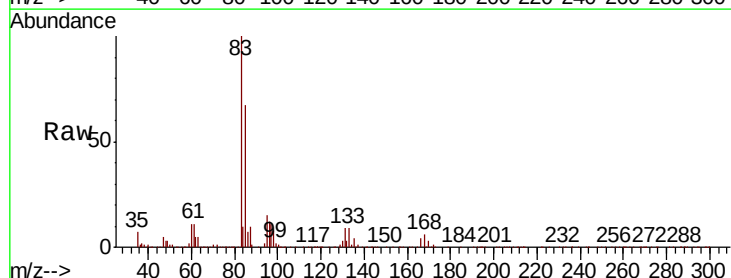
Tgt Ion: 83 Resp: 181402

Ion Ratio Lower Upper

83 100

85 67.3 46.2 85.8

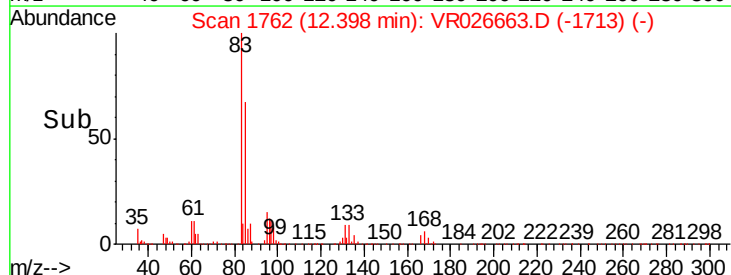
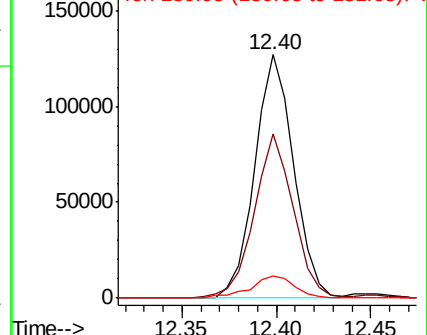
131 8.9 7.4 11.0

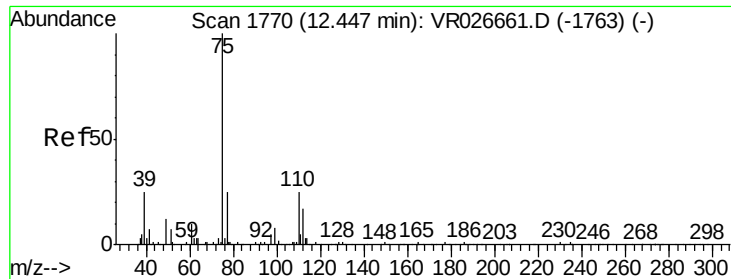


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

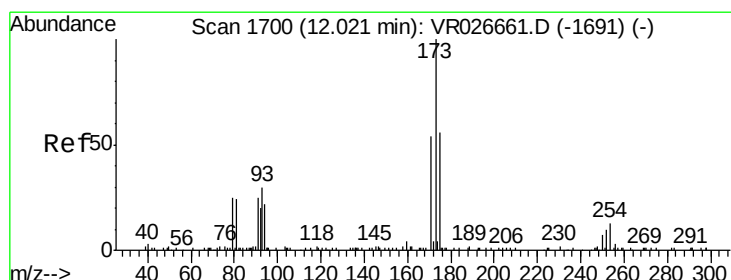
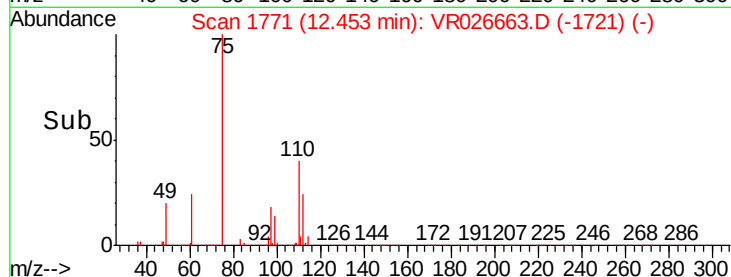
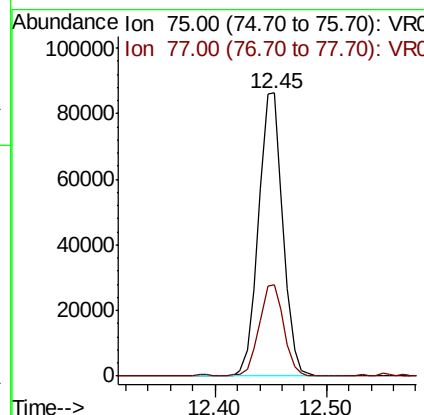
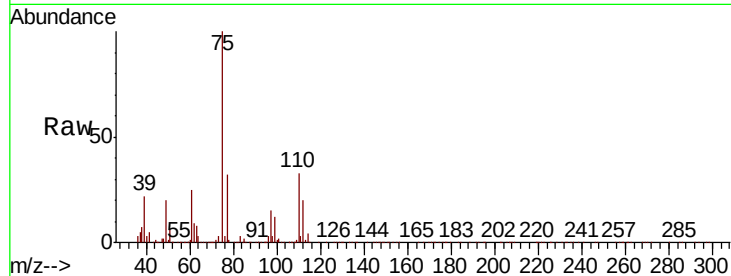




#59
 1,2,3-Trichloropropane
 Concen: 19.983 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

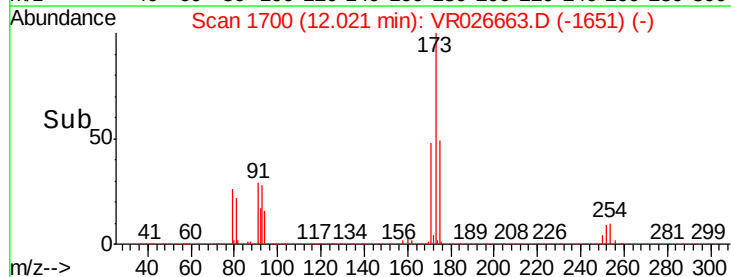
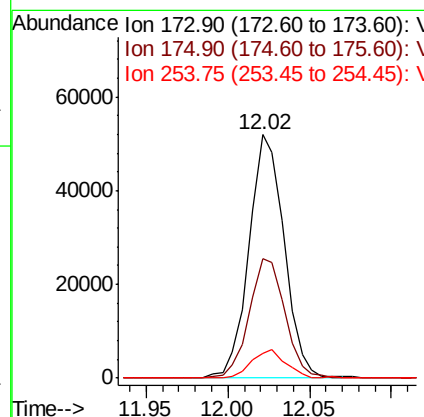
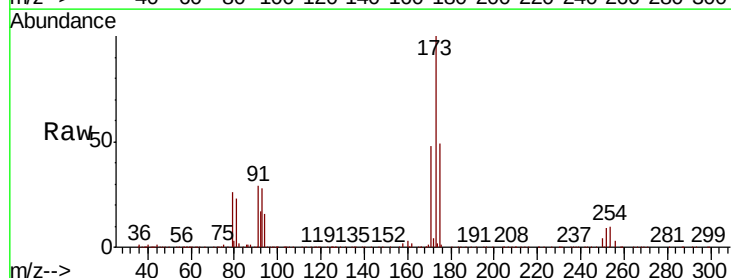
Instrument :
 MSVOA_R
 ClientSampleId :

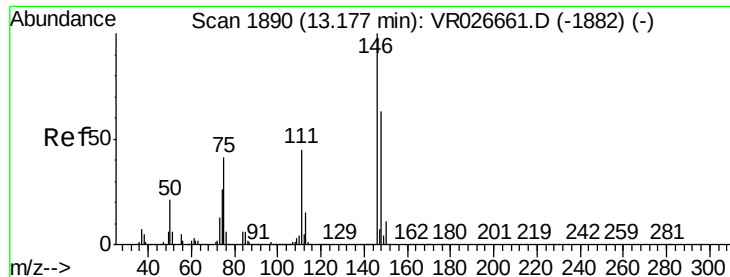
Tot Ion: 75 Resp: 131522
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6



#61
 Bromoform
 Concen: 22.174 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion:173 Resp: 78132
 Ion Ratio Lower Upper
 173 100
 175 50.2 42.0 63.0
 254 11.5 10.5 15.7

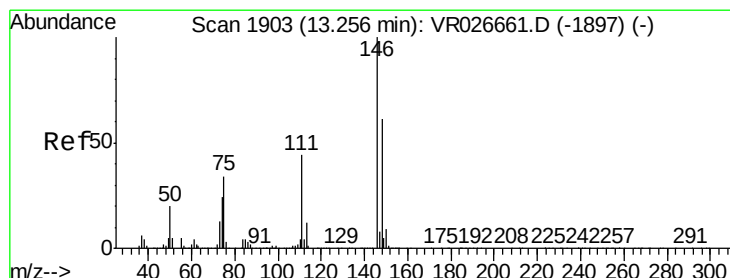
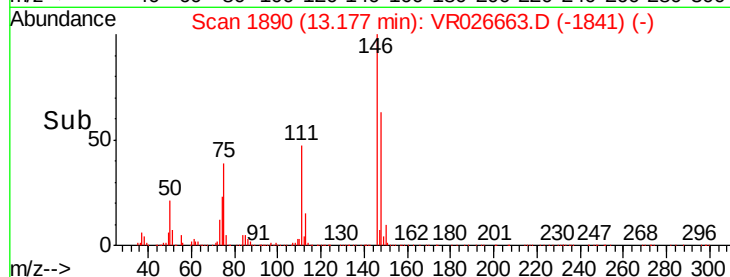
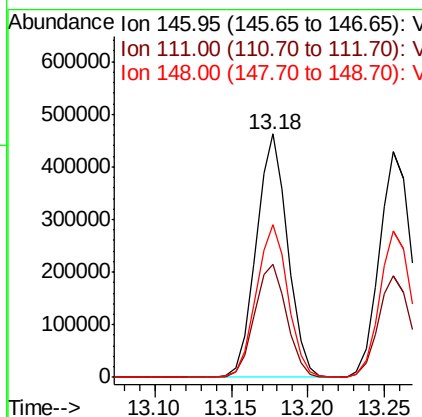
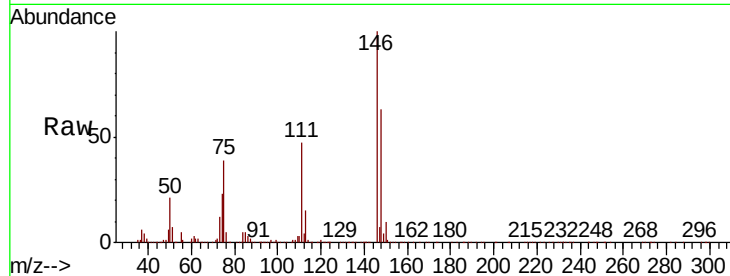




#62
 1,3-Dichlorobenzene
 Concen: 21.180 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

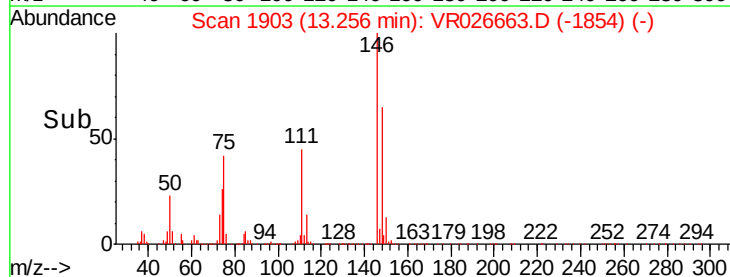
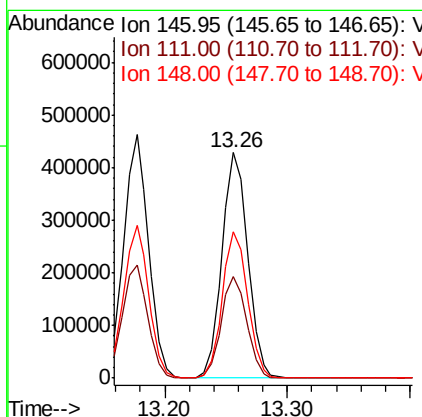
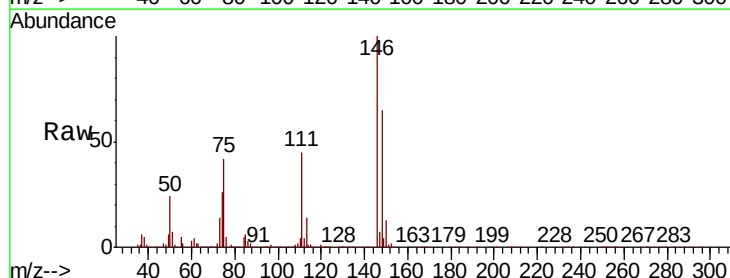
Instrument :
 MSVOA_R
 ClientSampleId :

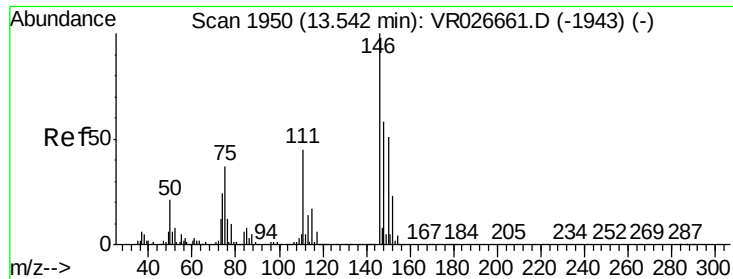
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	31.8	59.0
148	62.7	43.8	81.4



#63
 1,4-Dichlorobenzene
 Concen: 19.639 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	30.5	56.7
148	65.2	43.1	80.1

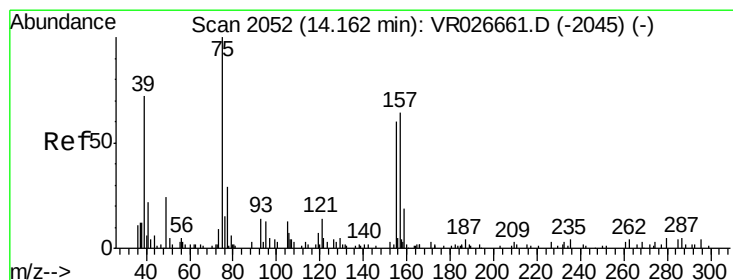
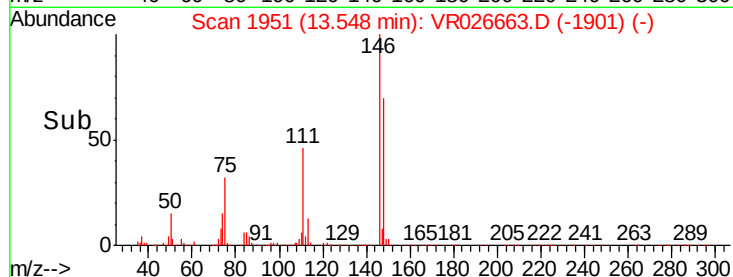
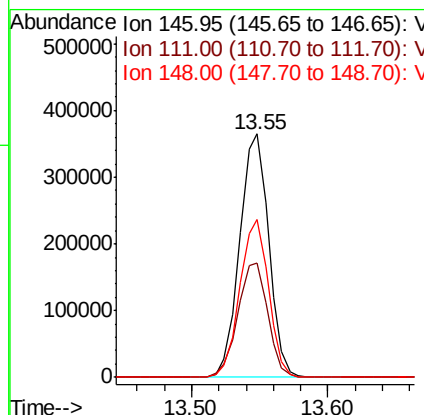
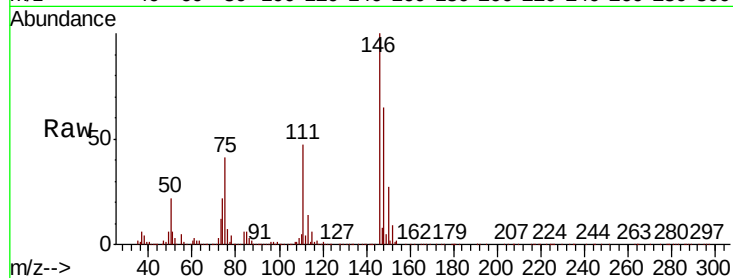




#65
 1,2-Dichlorobenzene
 Concen: 20.183 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

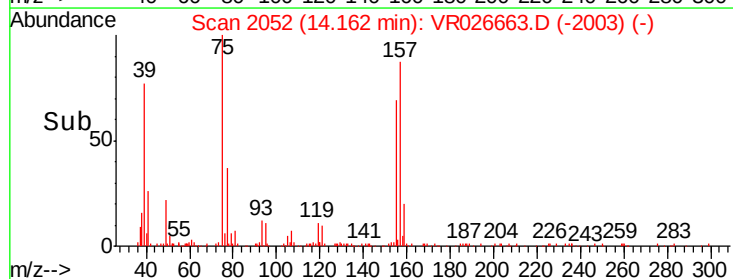
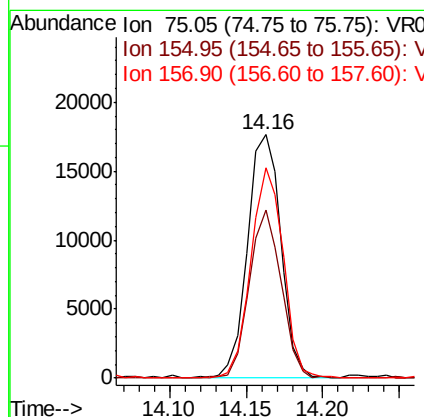
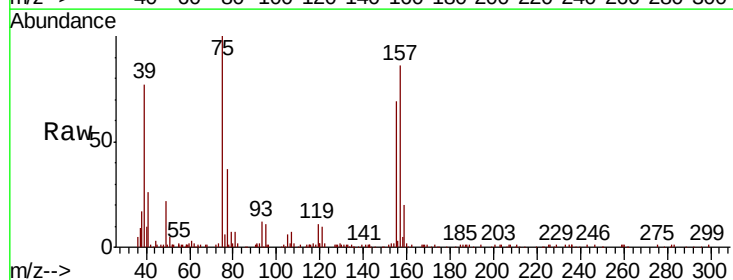
Instrument :
 MSVOA_R
 ClientSampled :

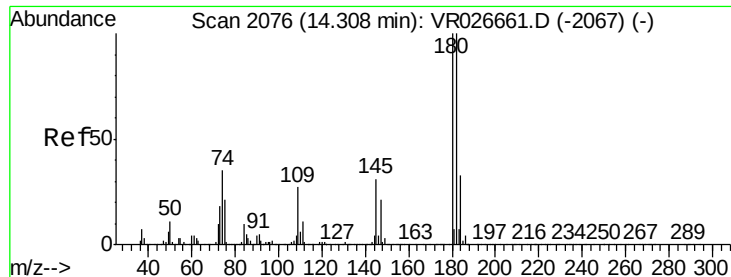
Tot Ion:146 Resp: 541411
 Ion Ratio Lower Upper
 146 100
 111 47.2 36.4 54.6
 148 64.6 46.6 70.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.444 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion: 75 Resp: 26769
 Ion Ratio Lower Upper
 75 100
 155 69.0 48.3 72.5
 157 86.2 50.9 76.3#

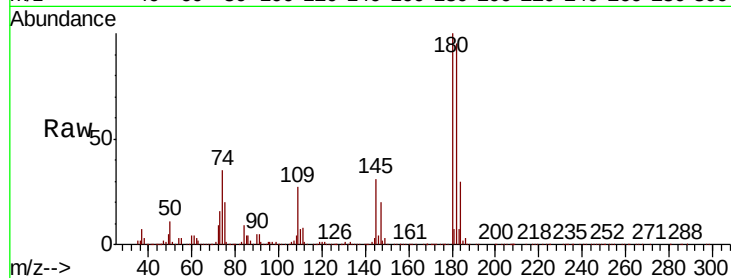




#67
 1,3,5-Trichlorobenzene
 Concen: 22.149 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.2	117.4
184	30.6	25.7	38.5
145	31.8	27.2	40.8



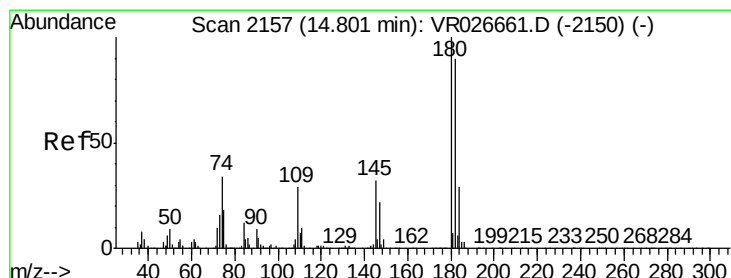
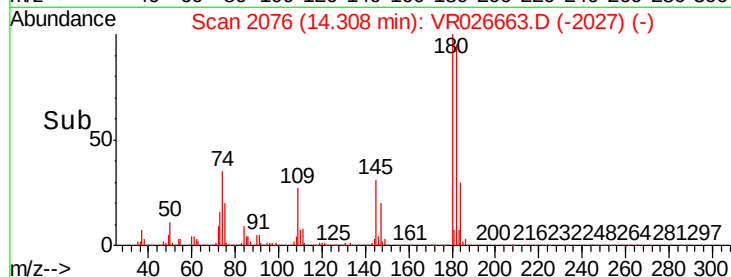
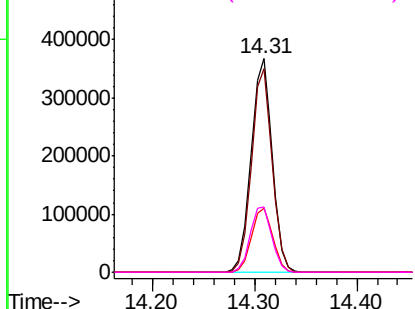
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

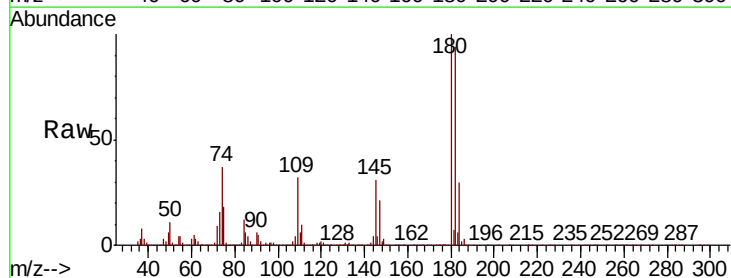
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.156 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026663.D
 Acq: 11 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.2	112.8
145	31.9	26.2	39.2

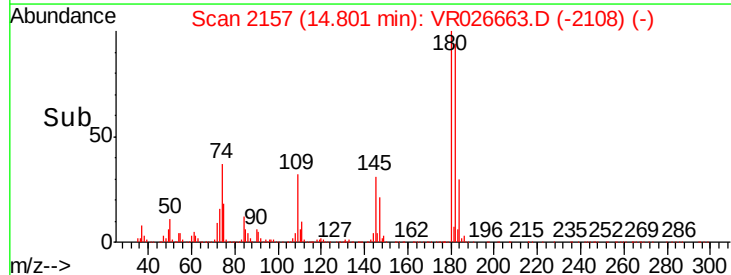
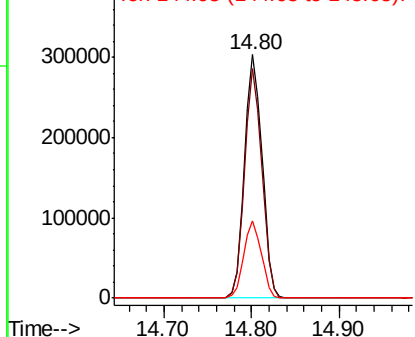


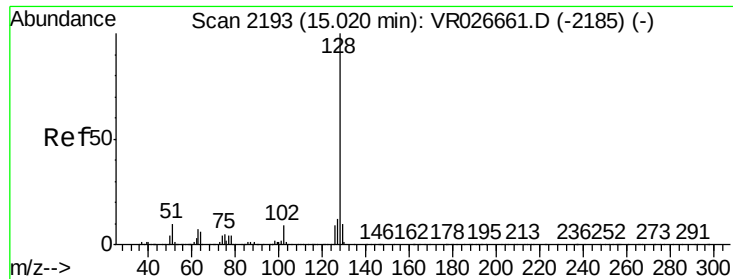
Abundance

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: 29.112 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

Instrument :

MSVOA_R

ClientSampleId :

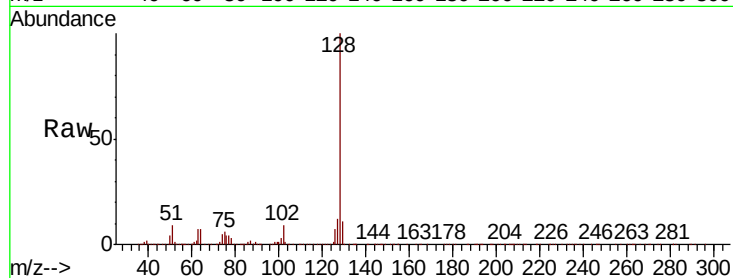
Tot Ion:128 Resp: 602599

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

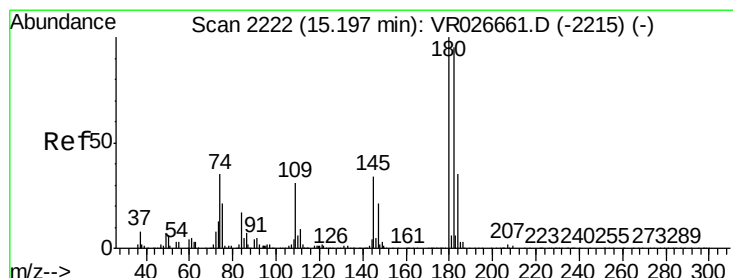
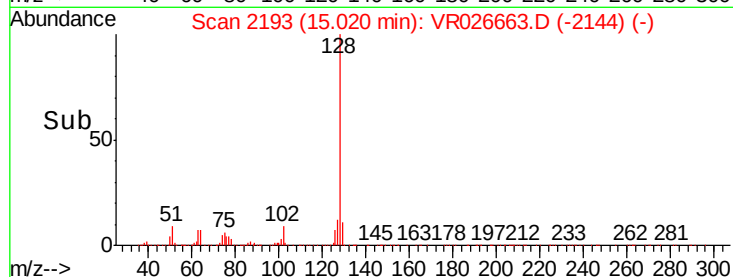
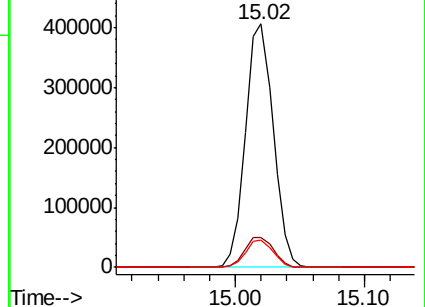
129 11.1 8.6 12.8



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: 21.447 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026663.D

Acq: 11 Oct 2019 12:10

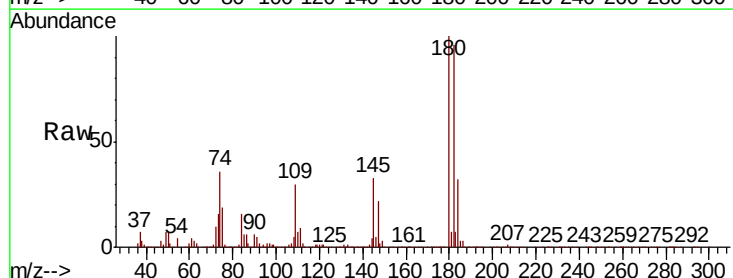
Tgt Ion:180 Resp: 351073

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 34.4 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

