

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026619.D
 Acq On : 11 Sep 2019 13:43
 Operator : SY/MD
 Sample : MDL02
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 12 08:54:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 12 08:46:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	430780	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	337365	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	142268	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	58488	4.40	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	2.65	69	53836	4.77	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.65	63	98718	3.14	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	6.62	46	119378	41.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.48%
24) Chloroform-d	7.23	84	204135	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	7.91	65	68423	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	7.88	84	395014	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	8.92	67	107315	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.40%
41) Toluene-d8	9.99	98	307262	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	10.25	79	22067	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	10.61	63	73037	39.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.32%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	49120	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	86893	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.86	85	13470	0.309	ug/L #	85
3) Chloromethane	2.06	50	8613	0.330	ug/L	99
5) Vinyl chloride	2.20	62	7008	0.284	ug/L	96
6) Bromomethane	2.55	94	5304	0.374	ug/L	89
9) Trichlorofluoromethane	2.96	101	6372	0.171	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	4102	0.252	ug/L	91
12) 1,1-Dichloroethene	3.64	96	4942	0.293	ug/L #	1
14) Carbon disulfide	3.97	76	24564	0.365	ug/L	99
15) Methyl Acetate	4.23	43	2736	0.346	ug/L #	75
16) Methylene chloride	4.43	84	13112	0.370	ug/L #	84
17) Methyl tert-butyl Ether	4.92	73	7004	0.165	ug/L #	92
18) trans-1,2-Dichloroethene	4.90	96	11410	0.314	ug/L	74
19) 1,1-Dichloroethane	5.72	63	18823	0.272	ug/L	98
21) 2-Butanone	6.73	43	10283	2.799	ug/L	91
22) cis-1,2-Dichloroethene	6.70	96	10165	0.284	ug/L #	87
23) Bromochloromethane	7.08	128	2571	0.267	ug/L #	18
25) Chloroform	7.26	83	25122	0.394	ug/L	87

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 ClientSampleId :

Quant Time: Sep 12 08:54:09 2019
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 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

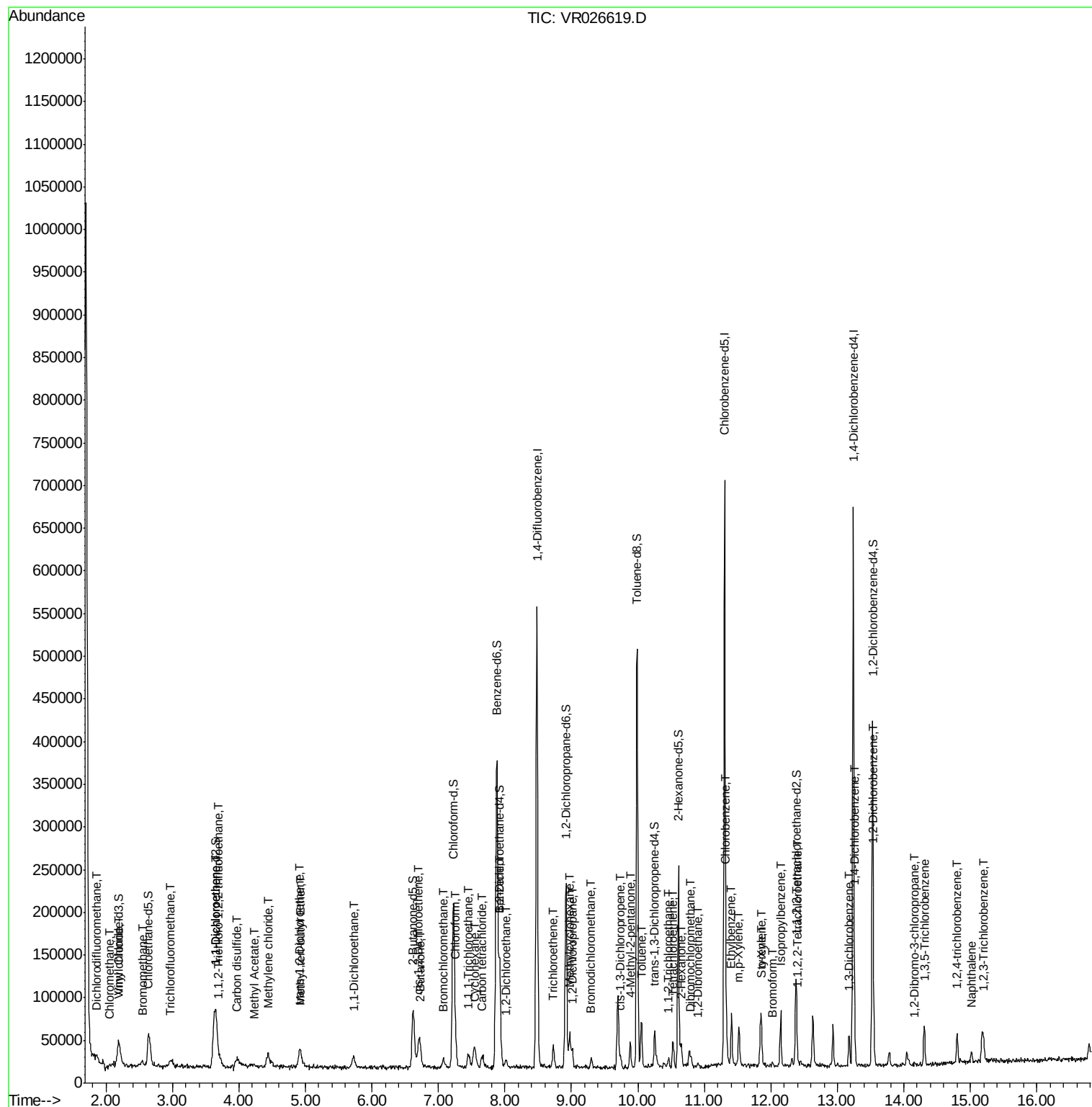
27) 1,2-Dichloroethane	8.01	62	6275	0.269	ug/L #	73
29) 1,1,1-Trichloroethane	7.45	97	12256	0.240	ug/L #	85
30) Cyclohexane	7.54	56	14540	0.239	ug/L	95
31) Carbon tetrachloride	7.66	117	11592	0.274	ug/L	90
33) Benzene	7.93	78	41221	0.276	ug/L	100
34) Trichloroethene	8.73	95	9436	0.256	ug/L	85
35) Methylcyclohexane	8.97	83	14482	0.261	ug/L	93
37) 1,2-Dichloropropane	9.01	63	7739	0.260	ug/L #	87
38) Bromodichloromethane	9.30	83	7158	0.233	ug/L	95
39) cis-1,3-Dichloropropene	9.73	75	8644	0.267	ug/L	99
40) 4-Methyl-2-pentanone	9.88	43	17247	2.025	ug/L #	88
42) Toluene	10.06	91	34157	0.256	ug/L	93
45) 1,1,2-Trichloroethane	10.46	97	3422	0.275	ug/L	94
47) Tetrachloroethene	10.53	164	6670	0.322	ug/L	84
48) 2-Hexanone	10.65	43	14523	2.868	ug/L	90
49) Dibromochloromethane	10.80	129	3528	0.272	ug/L	87
50) 1,2-Dibromoethane	10.91	107	3023	0.290	ug/L #	95
51) Chlorobenzene	11.33	112	20006	0.278	ug/L	97
52) Ethylbenzene	11.41	91	36033	0.246	ug/L	91
53) m,p-Xylene	11.52	106	13571	0.253	ug/L	90
54) o-Xylene	11.84	106	12602	0.242	ug/L	62
55) Styrene	11.86	104	15918	0.221	ug/L	80
56) Isopropylbenzene	12.15	105	36836	0.254	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	4381	0.309	ug/L #	97
61) Bromoform	12.03	173	1560	0.299	ug/L #	78
62) 1,3-Dichlorobenzene	13.18	146	13128	0.271	ug/L	93
63) 1,4-Dichlorobenzene	13.26	146	13935	0.299	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	12283	0.304	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	547	0.266	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.31	180	12084	0.309	ug/L	97
68) 1,2,4-trichlorobenzene	14.80	180	8256	0.289	ug/L	98
69) Naphthalene	15.01	128	8952	0.223	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.20	180	6953	0.290	ug/L #	96

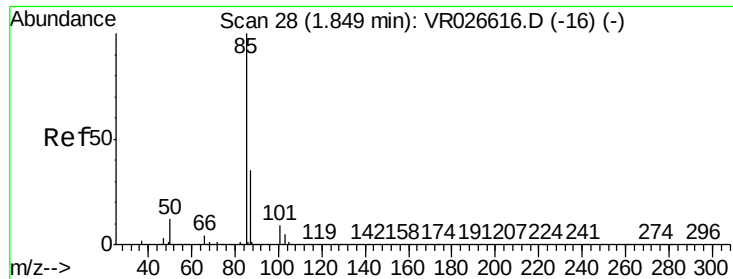
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.309 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

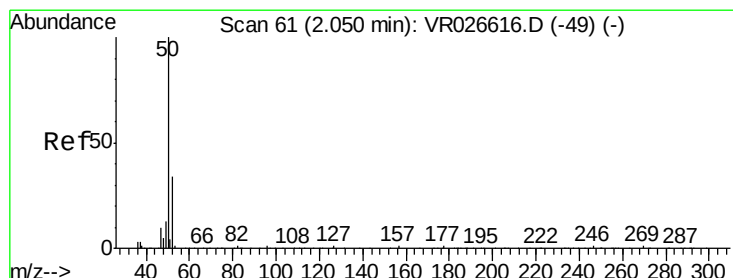
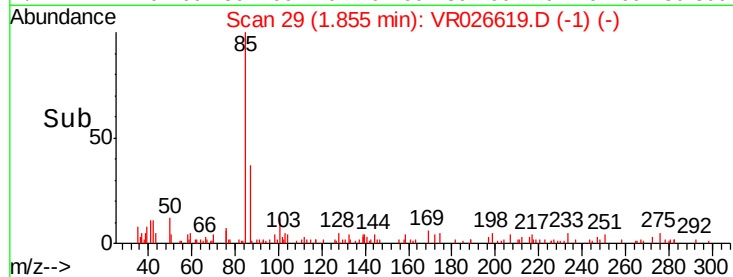
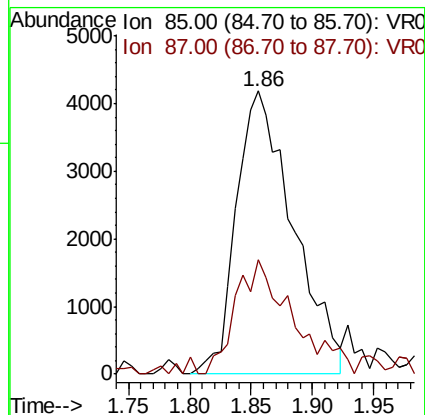
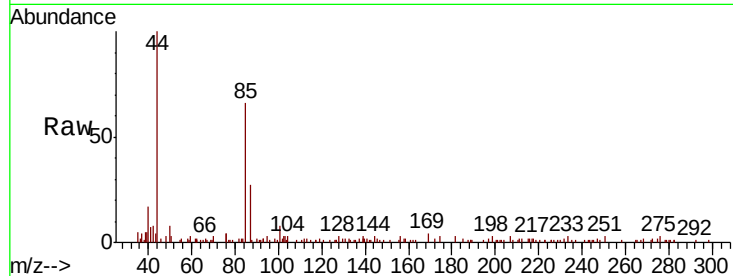
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 85 Resp: 13470

Ion Ratio Lower Upper

85 100

87 40.3 25.4 38.2#



#3

Chloromethane

Concen: 0.330 ug/L

RT: 2.06 min Scan# 62

Delta R.T. 0.01 min

Lab File: VR026619.D

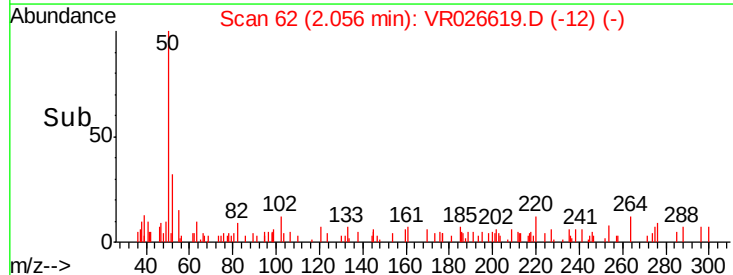
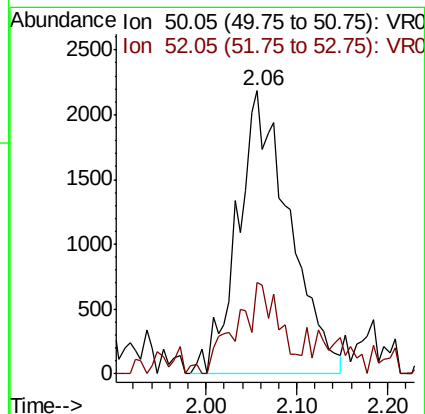
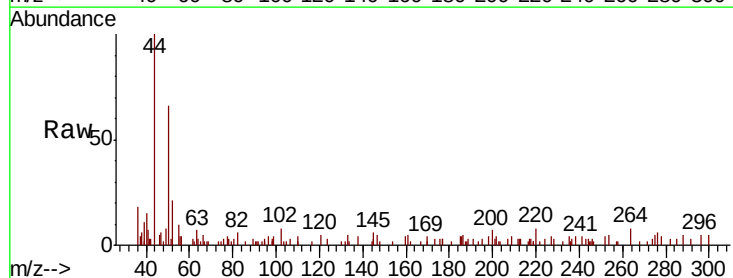
Acq: 11 Sep 2019 13:43

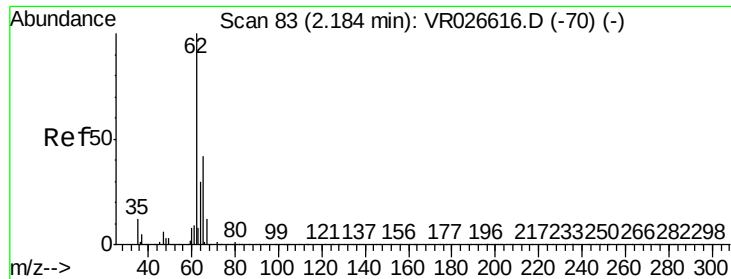
Tgt Ion: 50 Resp: 8613

Ion Ratio Lower Upper

50 100

52 32.2 22.2 41.2





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 2.20 min Scan# 86

Delta R.T. 0.02 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

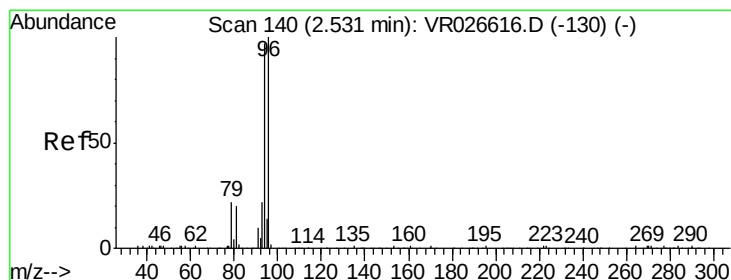
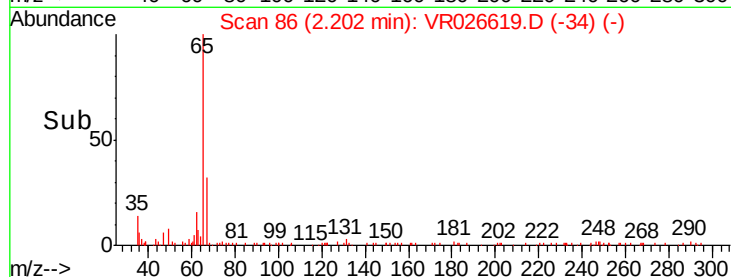
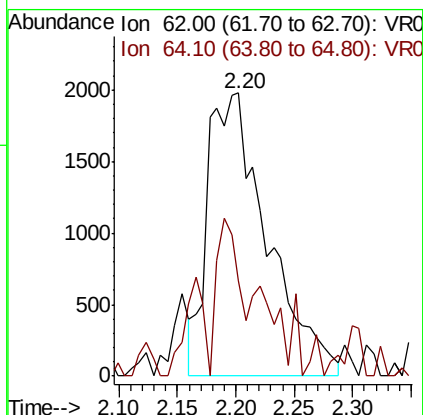
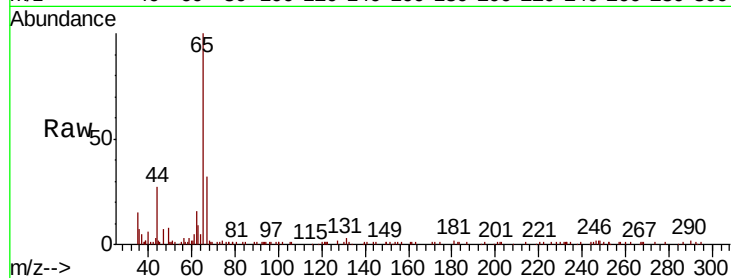
ClientSampleId :

Tot Ion: 62 Resp: 7008

Ion Ratio Lower Upper

62 100

64 33.7 25.4 47.2



#6

Bromomethane

Concen: 0.374 ug/L

RT: 2.55 min Scan# 143

Delta R.T. 0.02 min

Lab File: VR026619.D

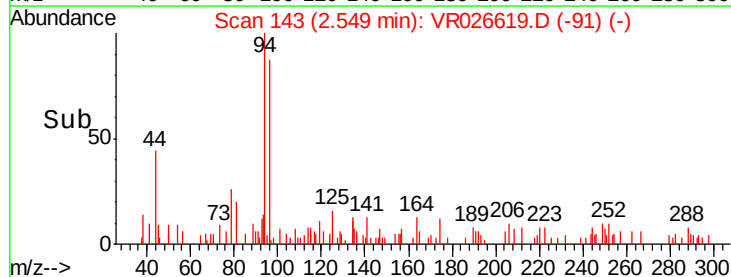
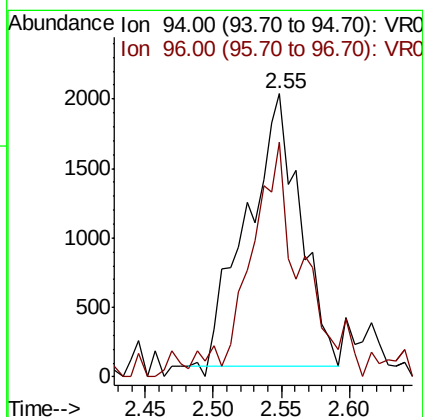
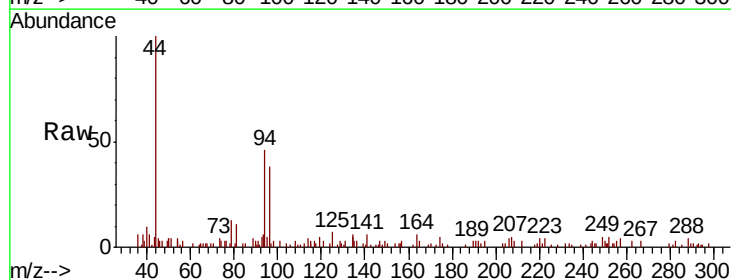
Acq: 11 Sep 2019 13:43

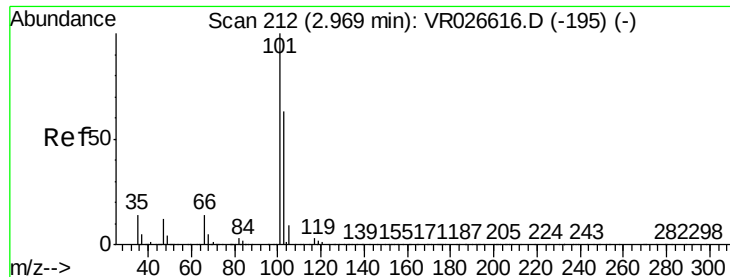
Tgt Ion: 94 Resp: 5304

Ion Ratio Lower Upper

94 100

96 82.8 65.7 122.1



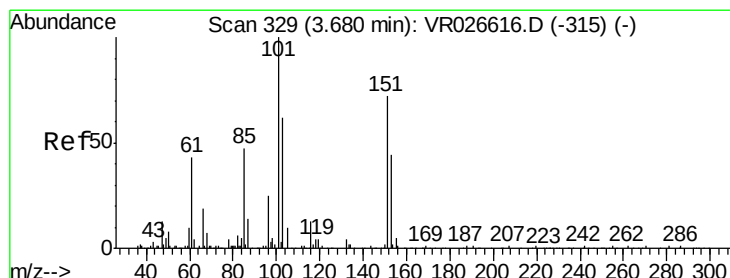
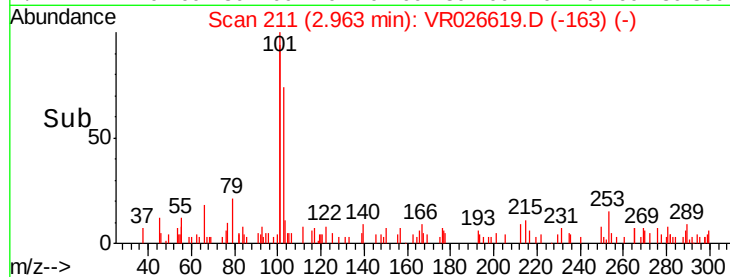
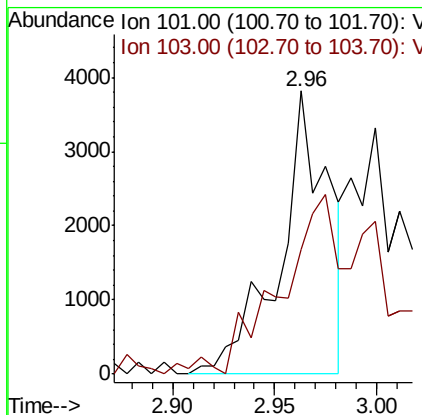
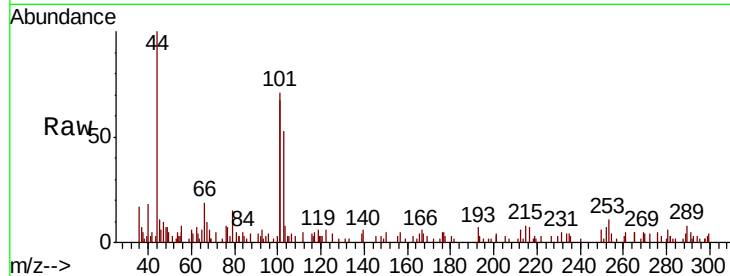


#9

Trichlorofluoromethane
Concen: 0.171 ug/L
RT: 2.96 min Scan# 211
Delta R.T. -0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Instrument :
MSVOA_R
ClientSampled :

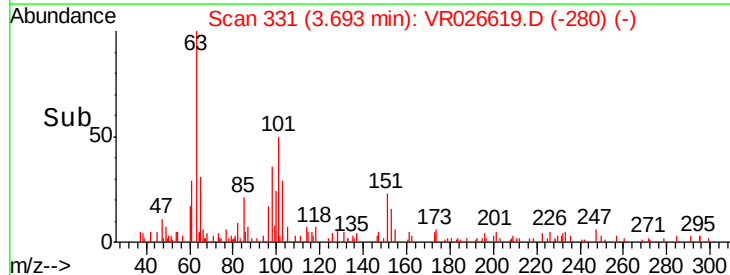
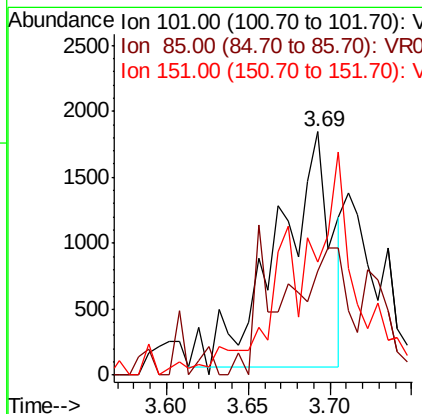
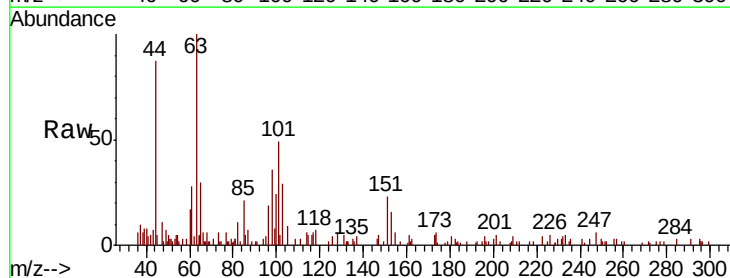
Tot Ion:101 Resp: 6372
Ion Ratio Lower Upper
101 100
103 81.3 51.1 76.7#

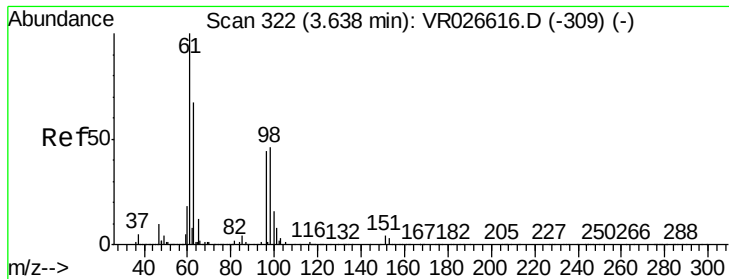


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.252 ug/L
RT: 3.69 min Scan# 331
Delta R.T. 0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion:101 Resp: 4102
Ion Ratio Lower Upper
101 100
85 48.0 40.6 61.0
151 63.4 58.6 87.8

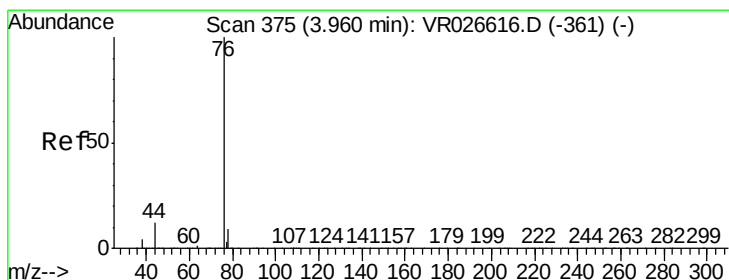
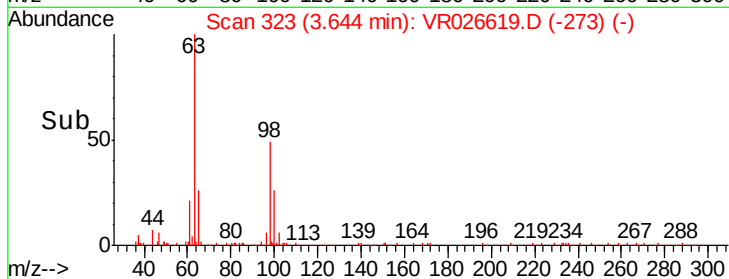
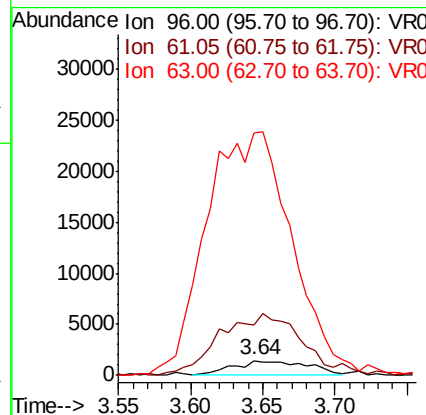
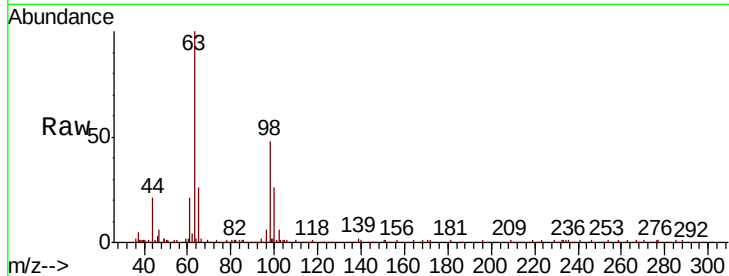




#12
 1,1-Dichloroethene
 Concen: 0.293 ug/L
 RT: 3.64 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

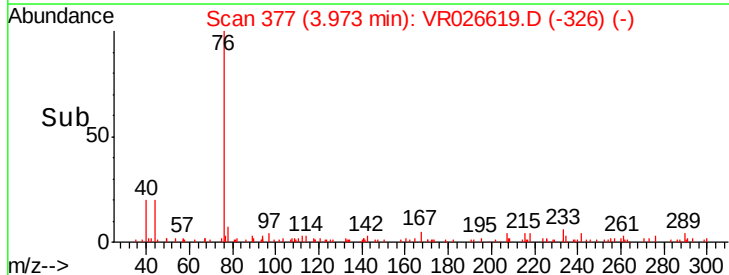
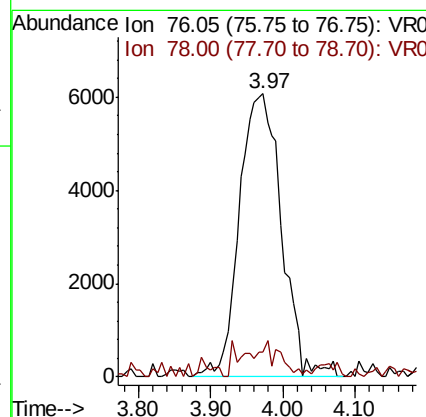
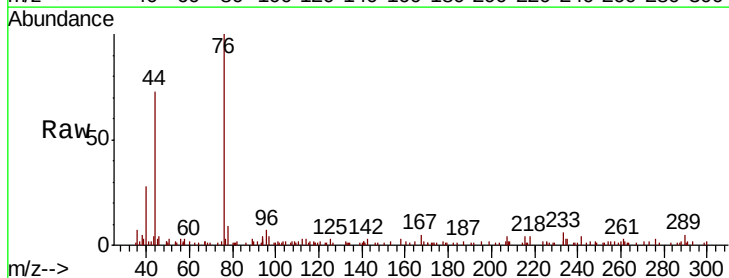
Instrument :
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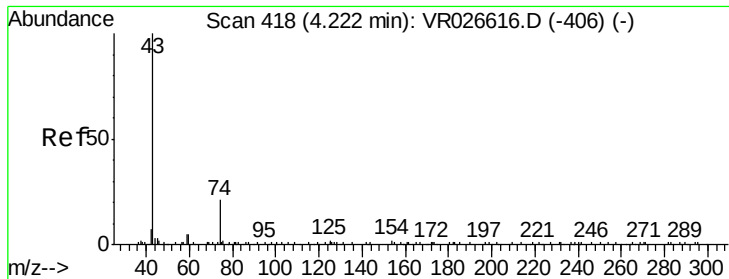
Tot Ion: 96 Resp: 4942
 Ion Ratio Lower Upper
 96 100
 61 336.4 137.8 255.8#
 63 1623.0 108.6 201.8#



#14
 Carbon disulfide
 Concen: 0.365 ug/L
 RT: 3.97 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Tgt Ion: 76 Resp: 24564
 Ion Ratio Lower Upper
 76 100
 78 8.6 7.3 10.9

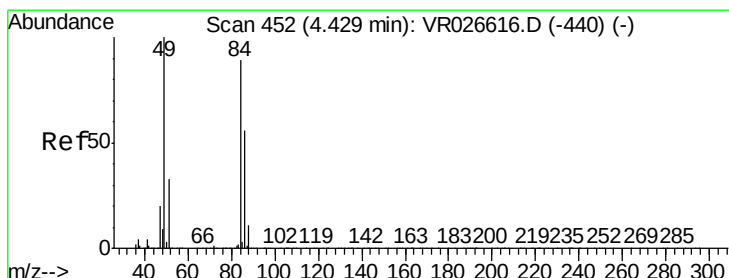
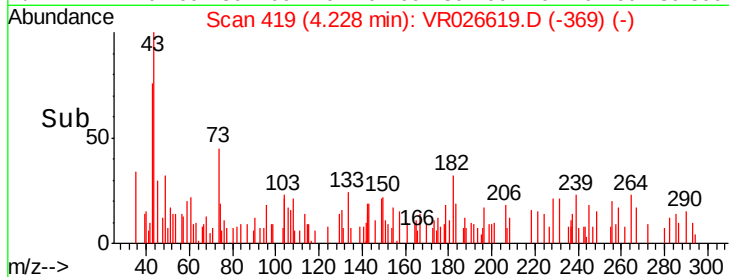
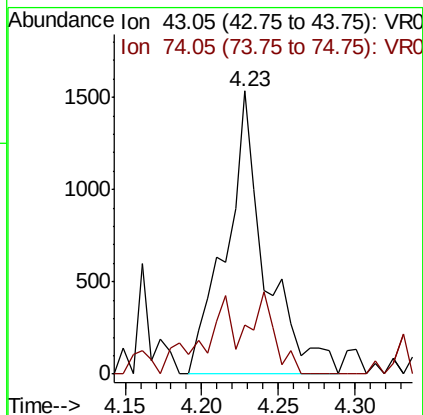
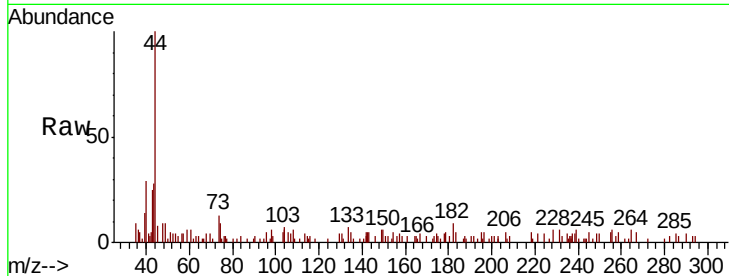




#15
Methyl Acetate
Concen: 0.346 ug/L
RT: 4.23 min Scan# 419
Delta R.T. 0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

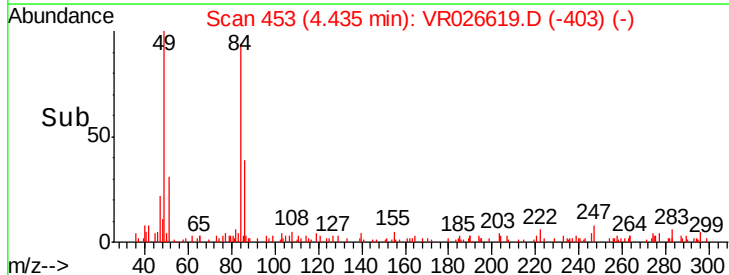
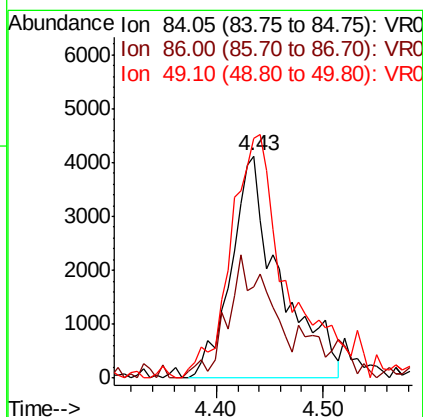
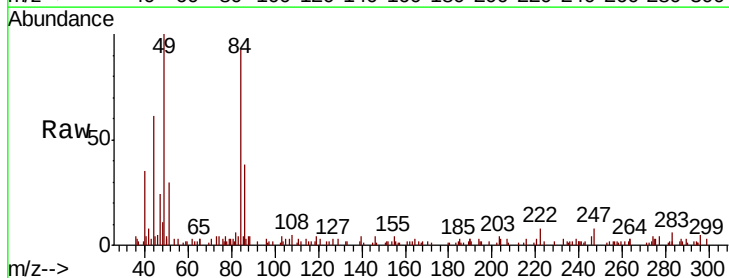
Instrument :
MSVOA_R
ClientSampleId :

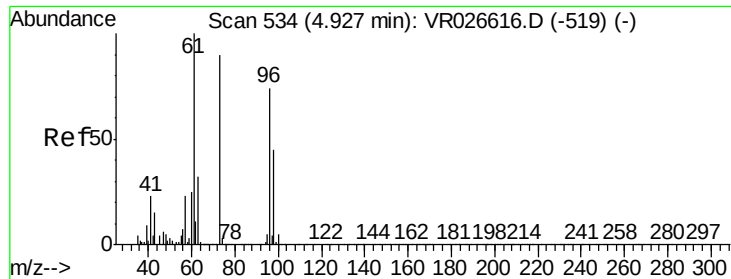
Tot Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
74 11.8 19.4 29.2#



#16
Methylene chloride
Concen: 0.370 ug/L
RT: 4.43 min Scan# 453
Delta R.T. 0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion: 84 Resp: 13112
Ion Ratio Lower Upper
84 100
86 40.9 43.6 81.0#
49 112.1 85.9 159.5

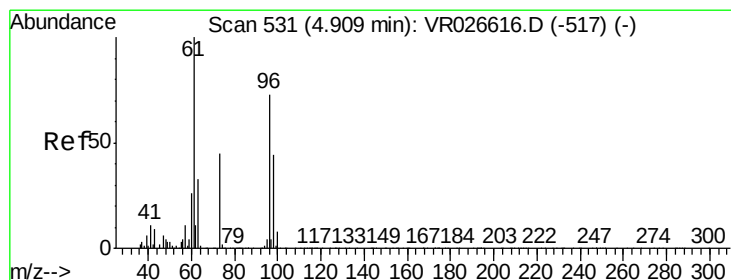
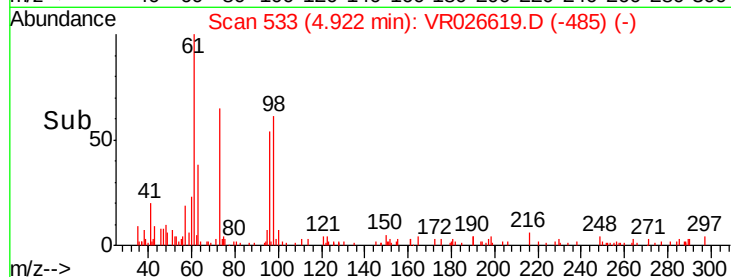
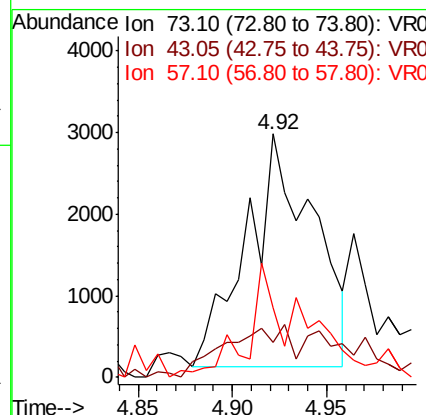
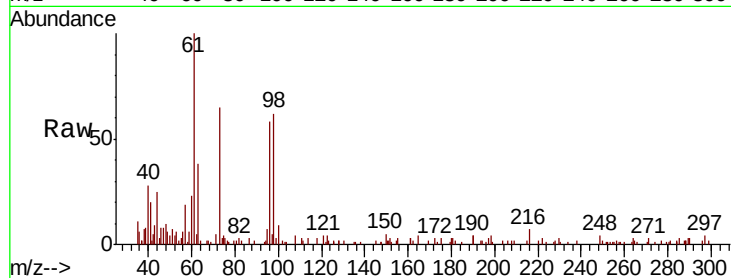




#17
Methyl tert-butyl Ether
Concen: 0.165 ug/L
RT: 4.92 min Scan# 533
Delta R.T. -0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

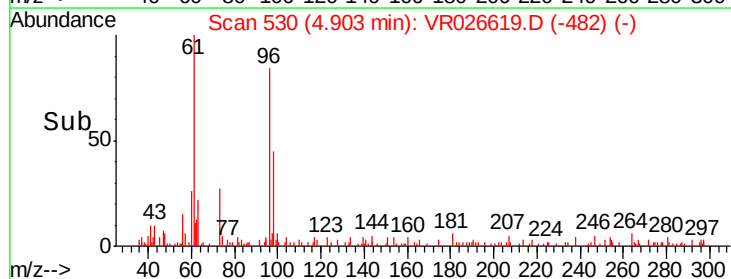
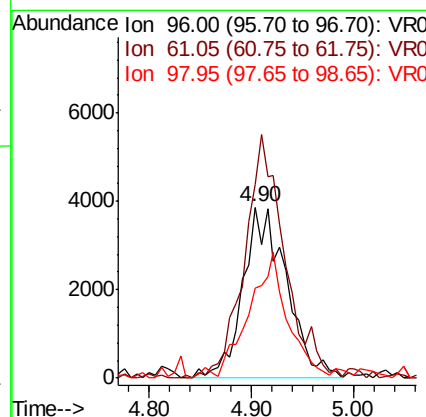
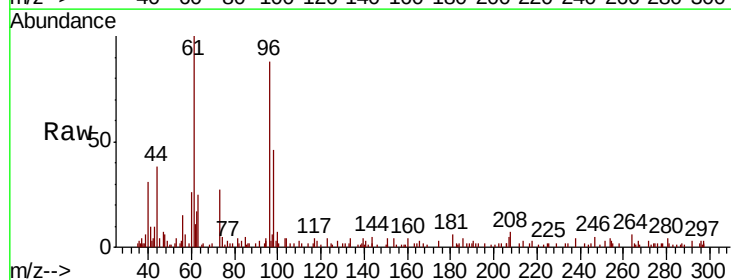
Instrument :
MSVOA_R
ClientSampleId :

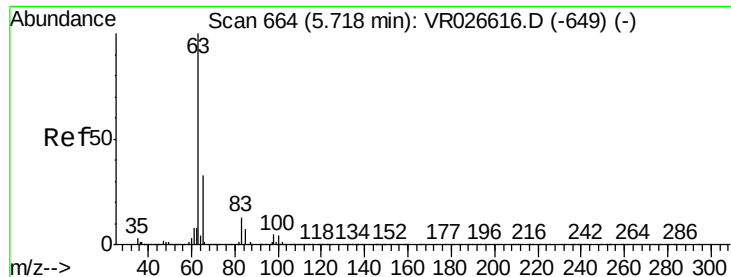
Tot Ion: 73 Resp: 7004
Ion Ratio Lower Upper
73 100
43 21.2 15.4 23.2
57 18.2 19.0 28.4#



#18
trans-1,2-Dichloroethene
Concen: 0.314 ug/L
RT: 4.90 min Scan# 530
Delta R.T. -0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion: 96 Resp: 11410
Ion Ratio Lower Upper
96 100
61 113.7 106.7 198.1
98 52.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.272 ug/L

RT: 5.72 min Scan# 665

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

ClientSampleId :

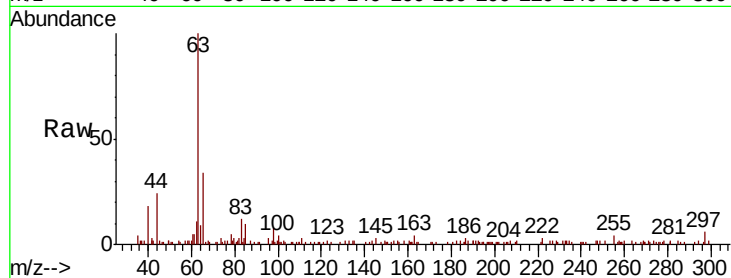
Tot Ion: 63 Resp: 18823

Ion Ratio Lower Upper

63 100

65 33.5 23.2 43.0

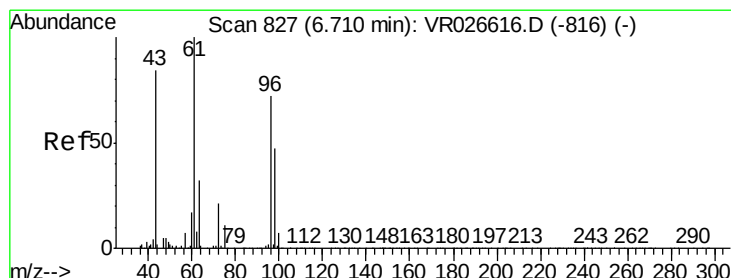
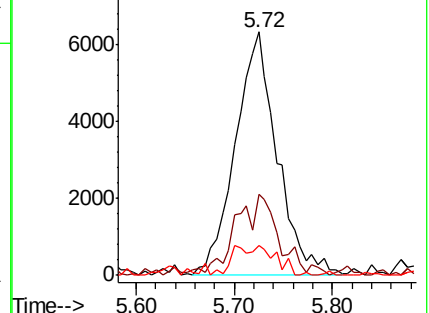
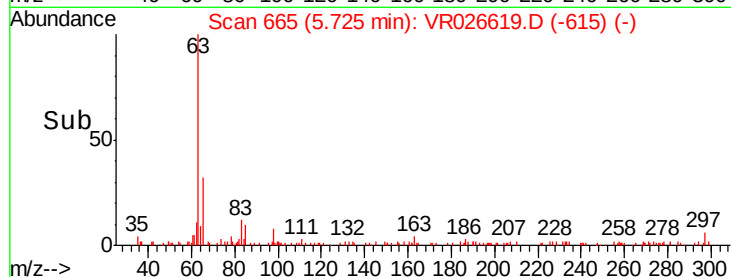
83 12.1 9.5 17.7



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: 2.799 ug/L

RT: 6.73 min Scan# 831

Delta R.T. 0.02 min

Lab File: VR026619.D

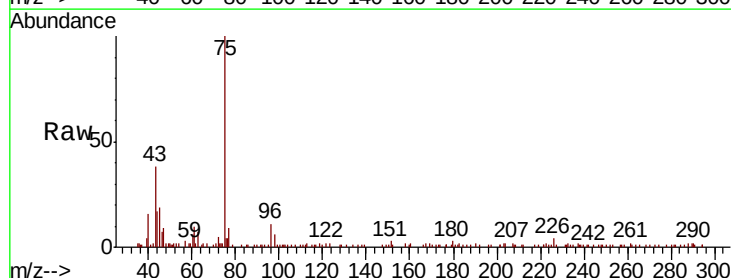
Acq: 11 Sep 2019 13:43

Tgt Ion: 43 Resp: 10283

Ion Ratio Lower Upper

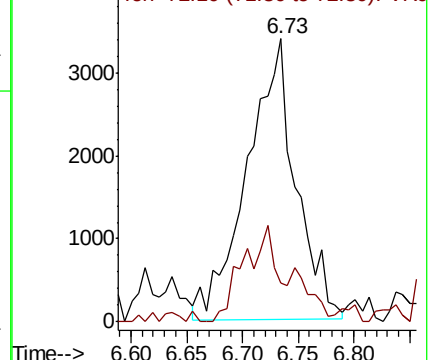
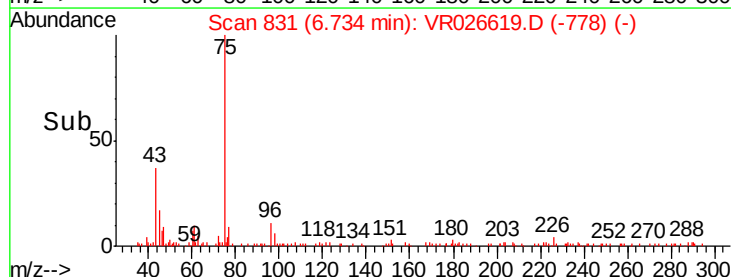
43 100

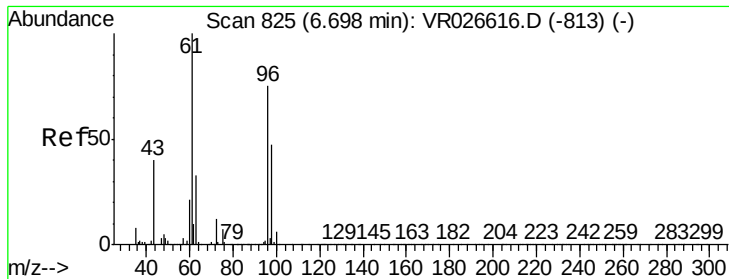
72 23.8 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



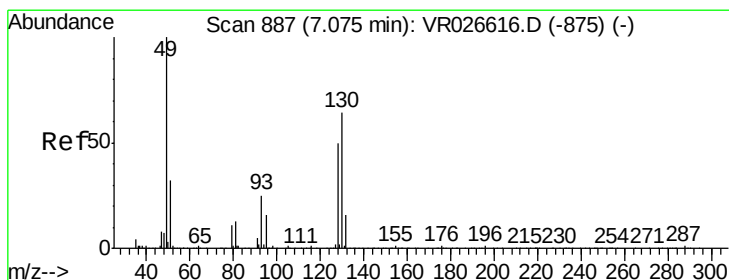
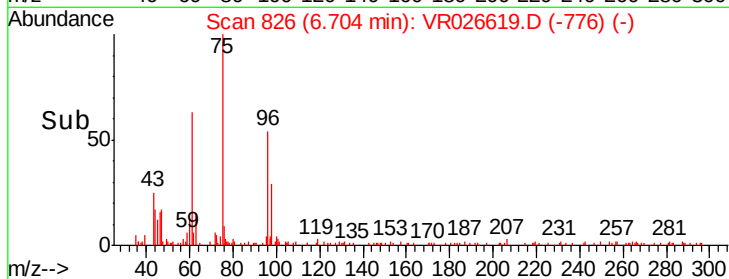
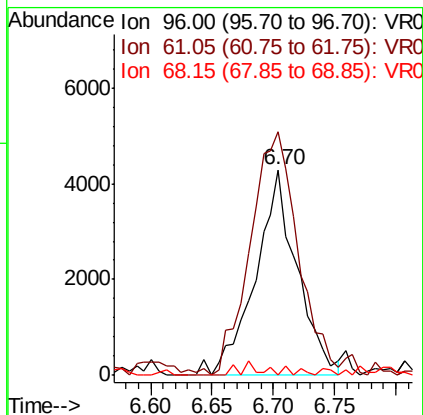
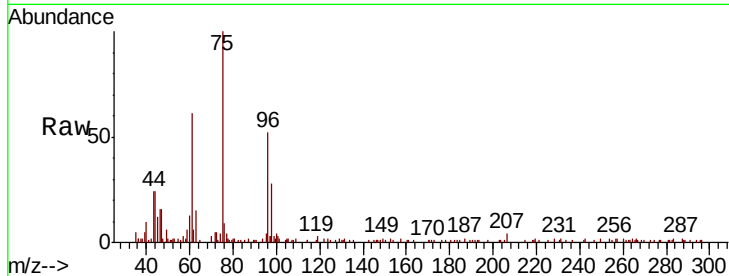


#22

cis-1,2-Dichloroethene
Concen: 0.284 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Instrument :
MSVOA_R
ClientSampleId :

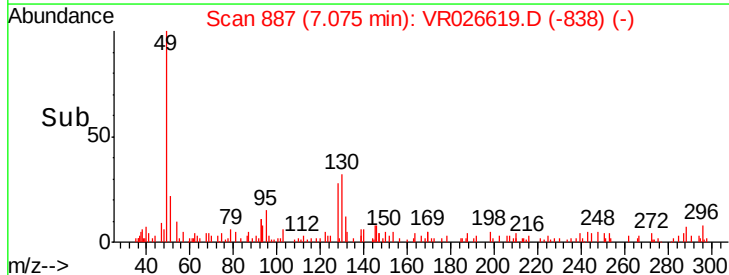
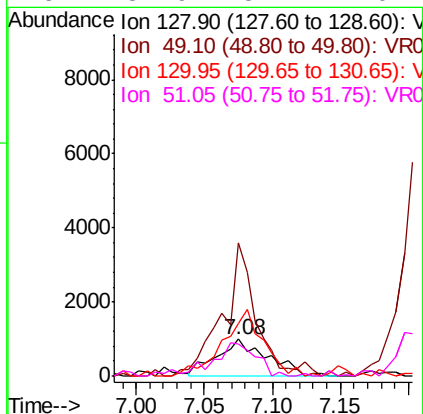
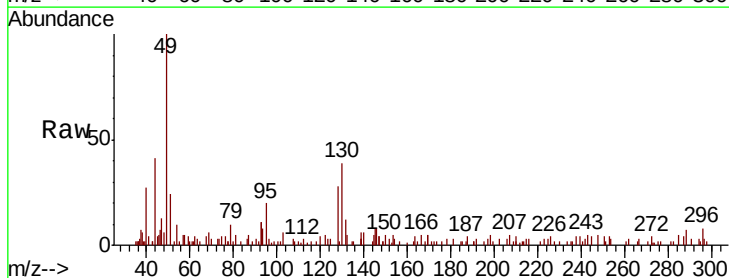
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.4	94.0	174.6
68	0.0	0.1	0.1#

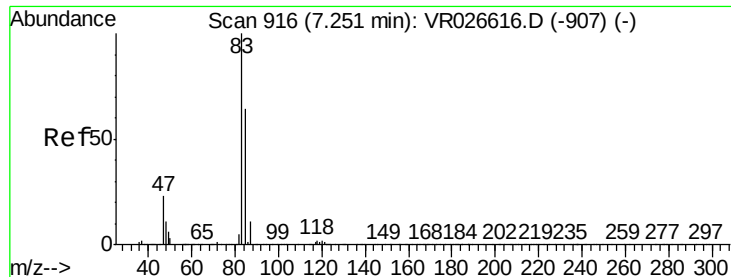


#23

Bromochloromethane
Concen: 0.267 ug/L
RT: 7.08 min Scan# 887
Delta R.T. 0.00 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	360.1	113.2	210.2#
130	142.1	84.1	156.1
51	87.9	51.1	76.7#





#25

Chloroform

Concen: 0.394 ug/L

RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

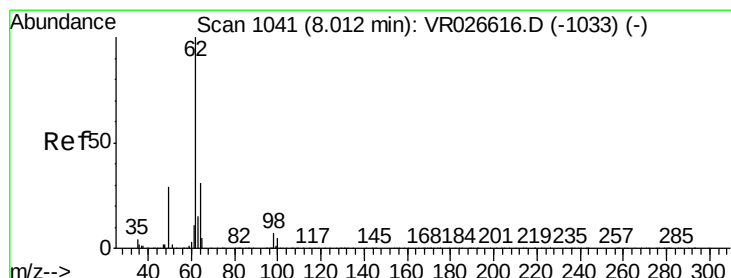
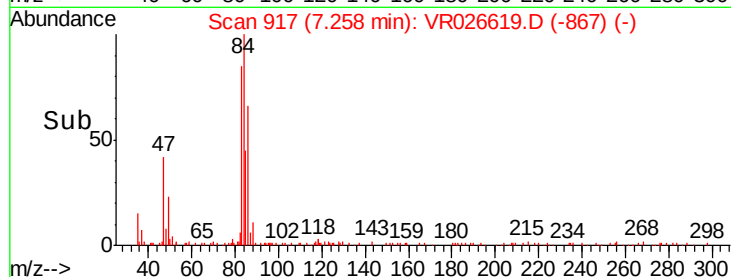
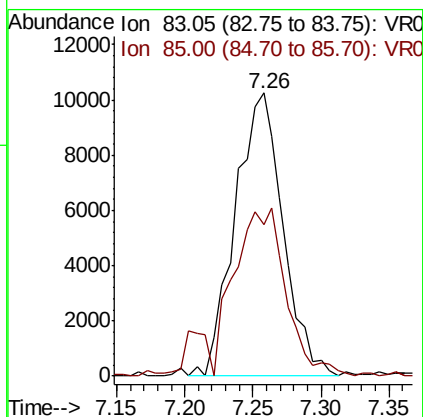
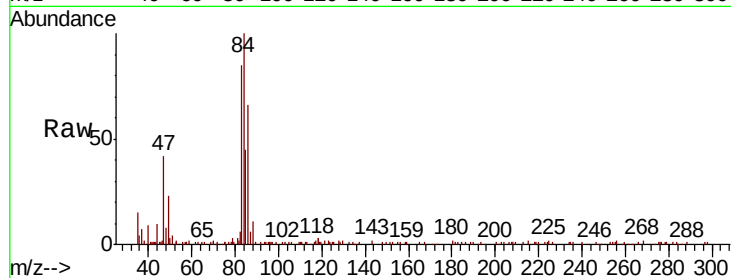
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 25122

Ion Ratio Lower Upper

83 100

85 53.5 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.269 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VR026619.D

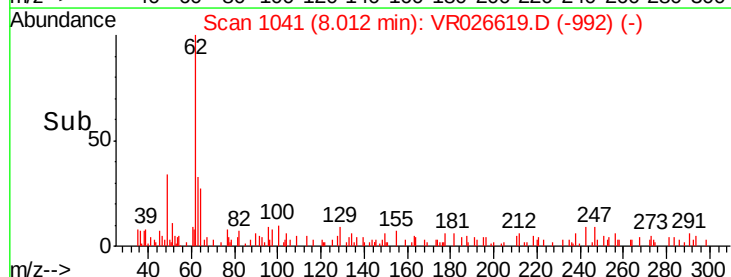
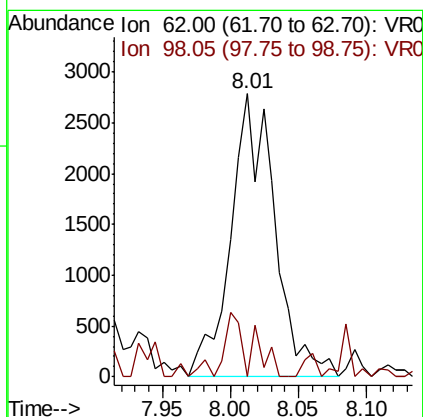
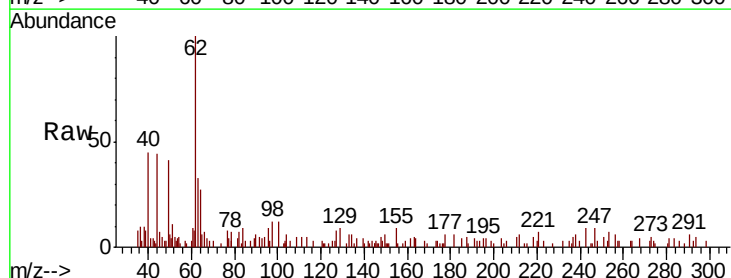
Acq: 11 Sep 2019 13:43

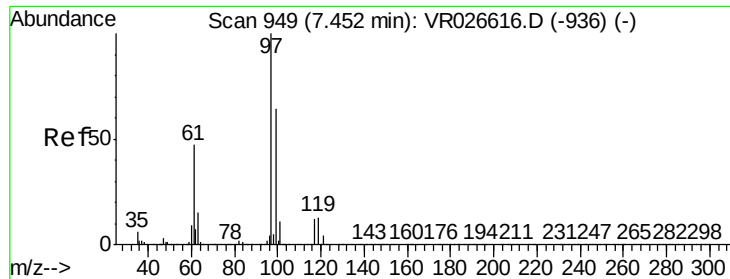
Tgt Ion: 62 Resp: 6275

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#

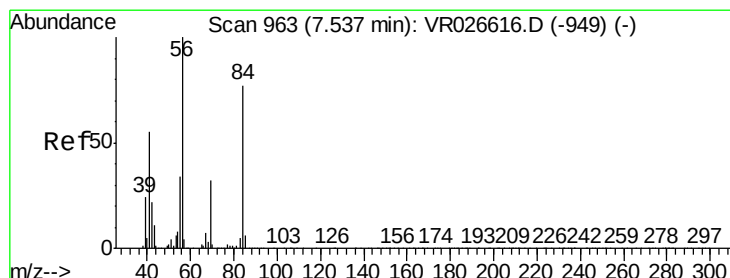
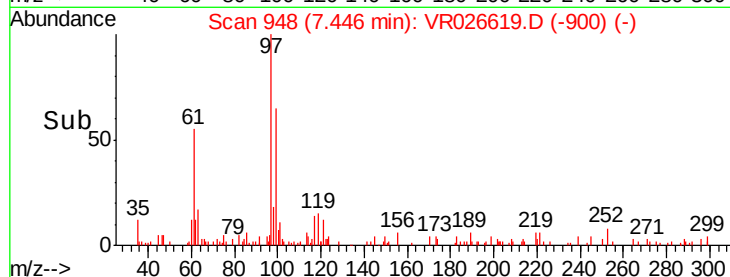
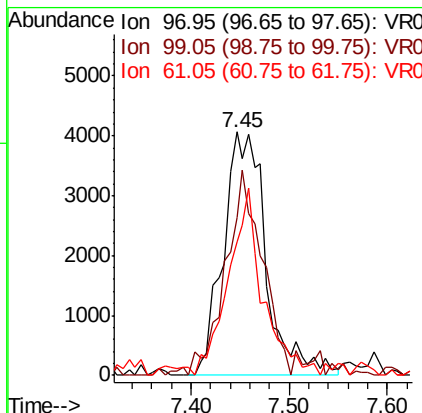
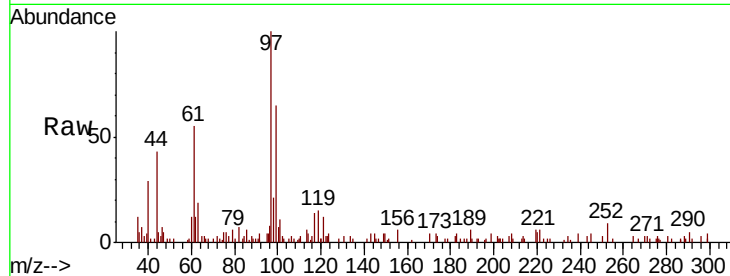




#29
1,1,1-Trichloroethane
Concen: 0.240 ug/L
RT: 7.45 min Scan# 948
Delta R.T. -0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

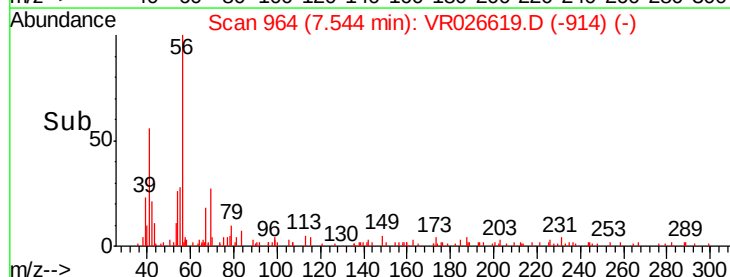
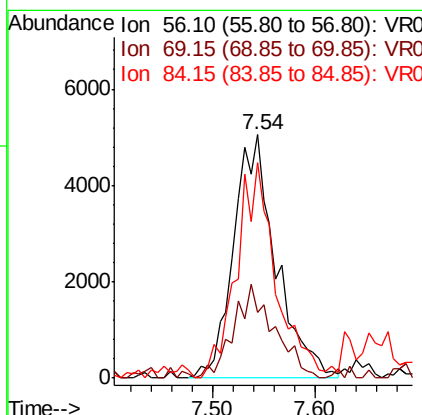
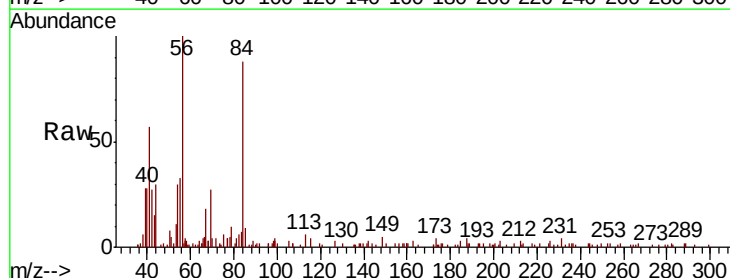
Instrument :
MSVOA_R
ClientSampled :

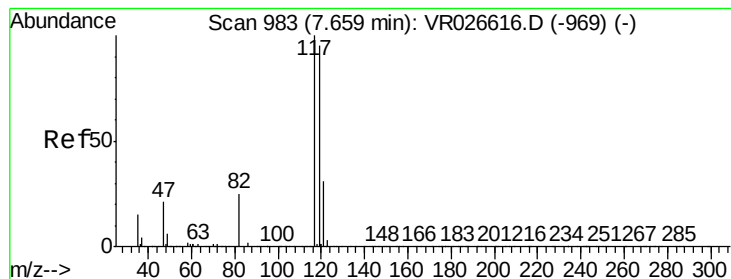
Tot Ion	Ratio	Lower	Upper
97	100		
99	73.0	50.8	76.2
61	61.7	39.2	58.8#



#30
Cyclohexane
Concen: 0.239 ug/L
RT: 7.54 min Scan# 964
Delta R.T. 0.01 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.0	37.4
84	81.7	63.6	95.4





#31

Carbon tetrachloride

Concen: 0.274 ug/L

RT: 7.66 min Scan# 983

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

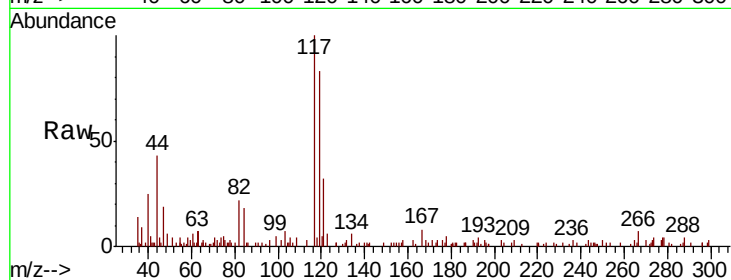
ClientSampleId :

Tot Ion:117 Resp: 11592

Ion Ratio Lower Upper

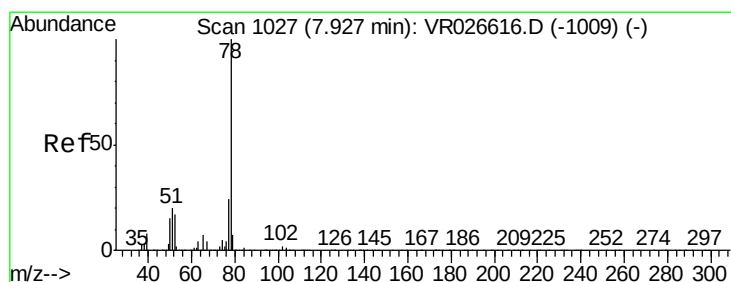
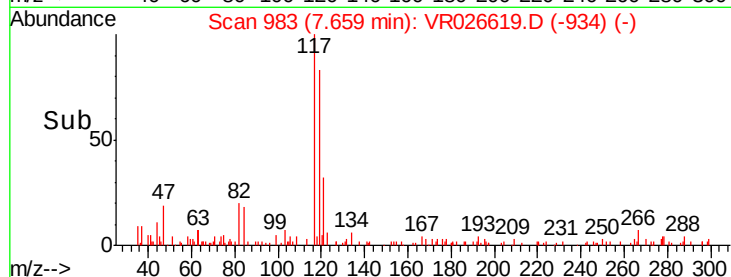
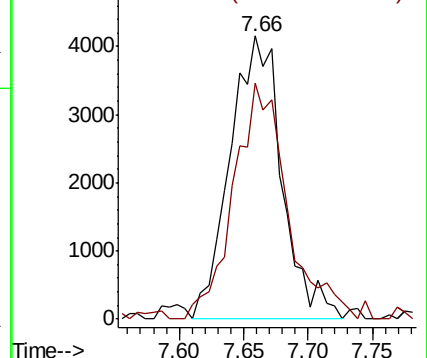
117 100

119 86.1 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.276 ug/L

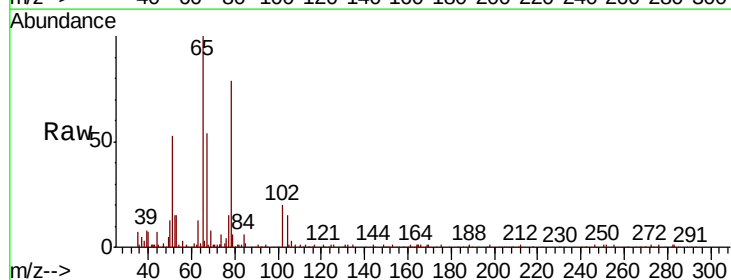
RT: 7.93 min Scan# 1027

Delta R.T. 0.00 min

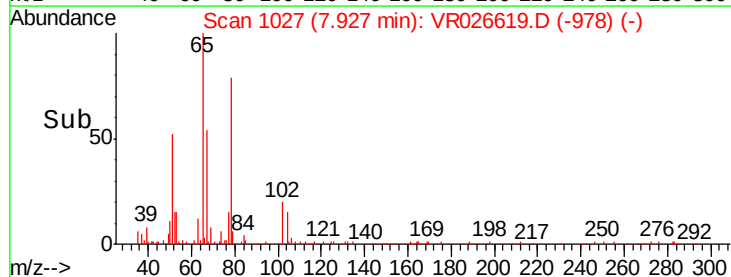
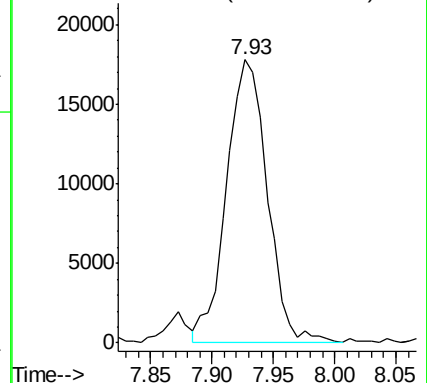
Lab File: VR026619.D

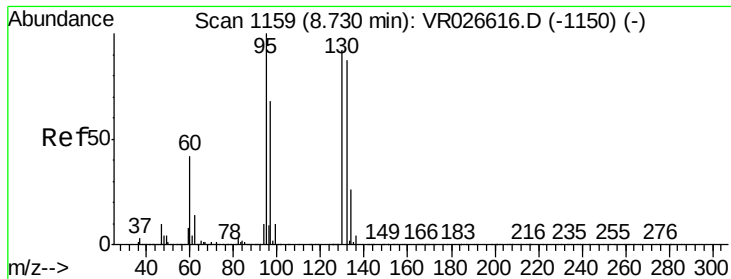
Acq: 11 Sep 2019 13:43

Tgt Ion: 78 Resp: 41221



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.256 ug/L

RT: 8.73 min Scan# 1159

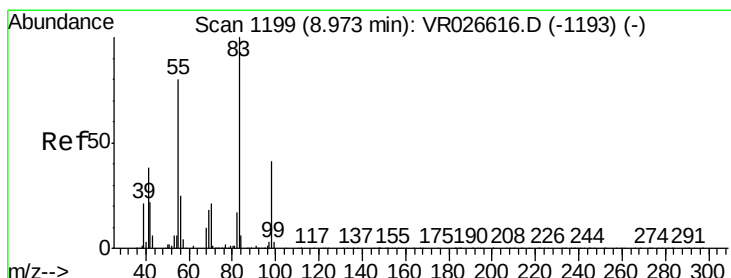
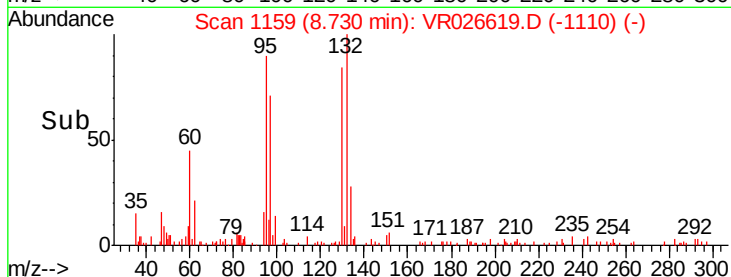
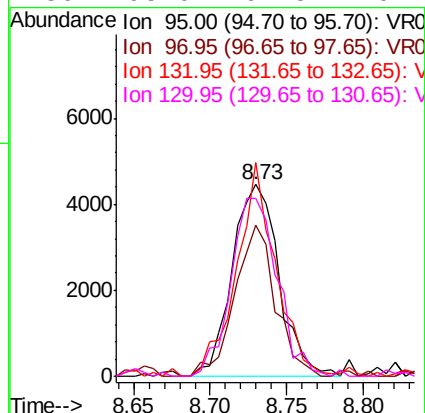
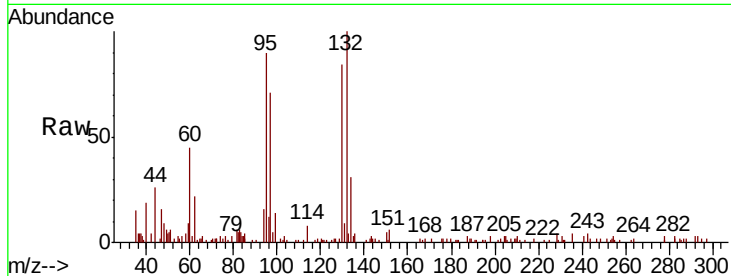
Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	95	Resp:	9436
Ion	Ratio	Lower	Upper
95	100		
97	78.8	42.8	79.4
132	111.3	61.5	114.1
130	93.0	64.5	119.7



#35

Methylcyclohexane

Concen: 0.261 ug/L

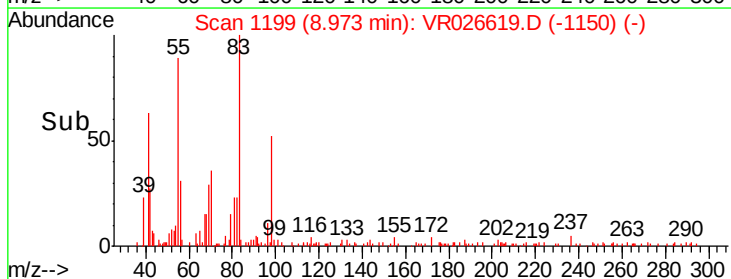
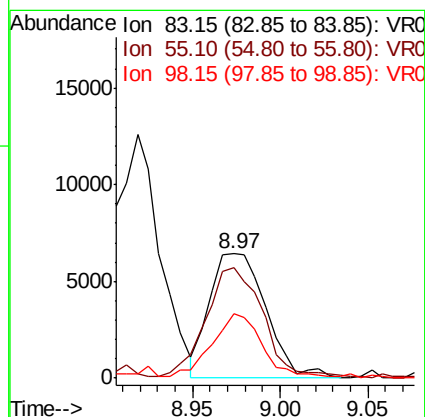
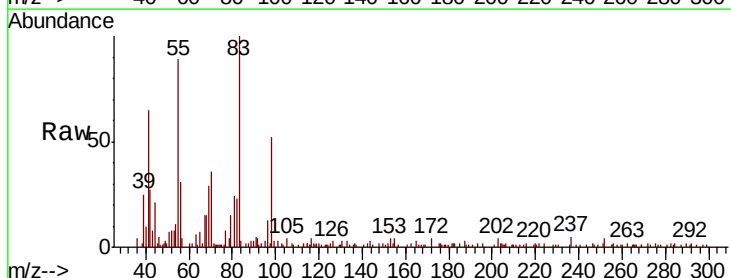
RT: 8.97 min Scan# 1199

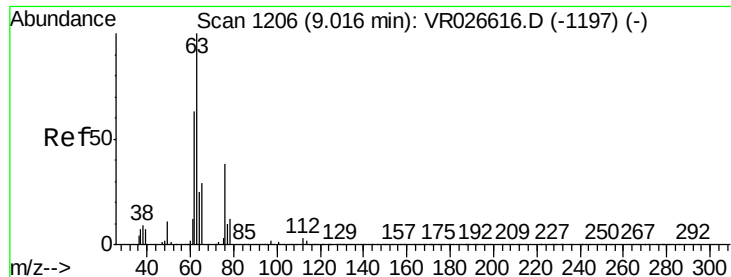
Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Tgt Ion:	83	Resp:	14482
Ion	Ratio	Lower	Upper
83	100		
55	90.6	65.0	97.6
98	43.7	35.8	53.8

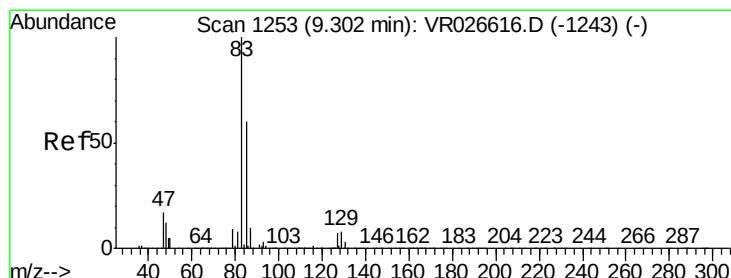
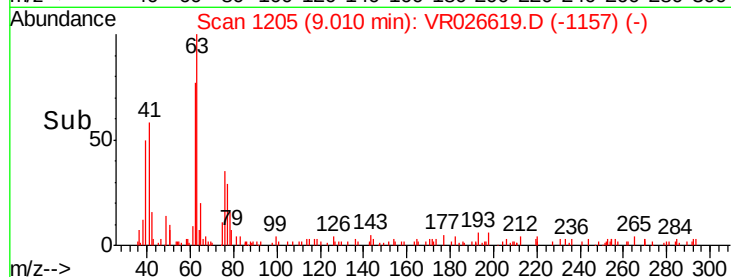
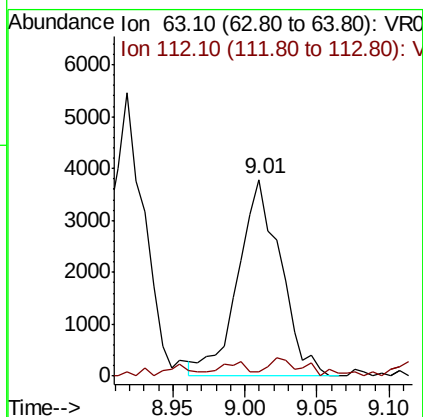
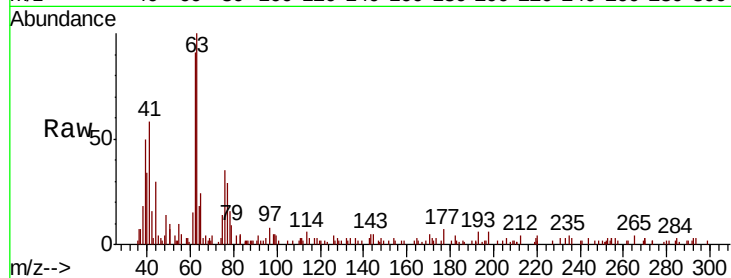




#37
 1,2-Dichloropropane
 Concen: 0.260 ug/L
 RT: 9.01 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

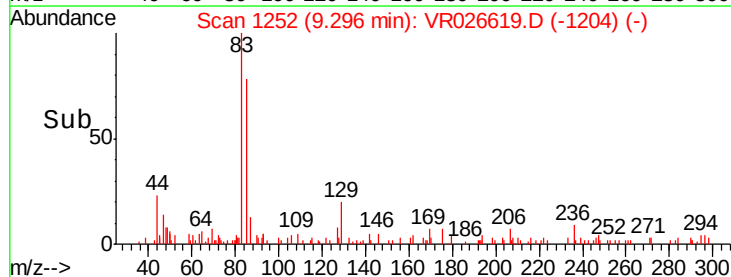
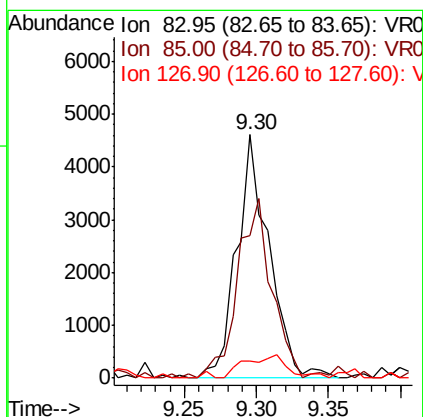
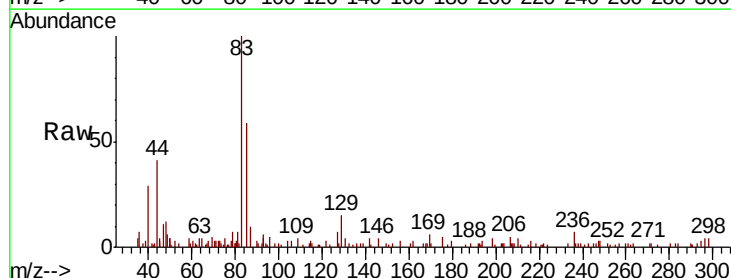
Instrument :
 MSVOA_R
 ClientSampled :

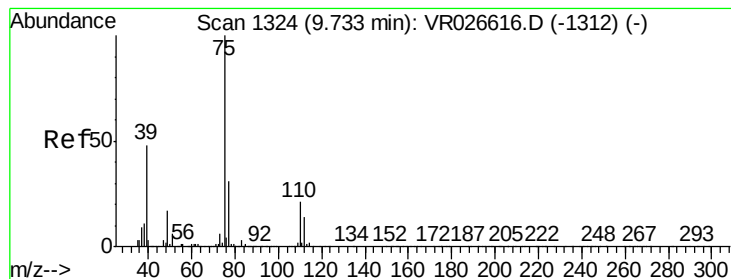
Tot Ion: 63 Resp: 7739
 Ion Ratio Lower Upper
 63 100
 112 8.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 0.233 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Tgt Ion: 83 Resp: 7158
 Ion Ratio Lower Upper
 83 100
 85 58.8 44.0 81.6
 127 7.3 6.9 10.3



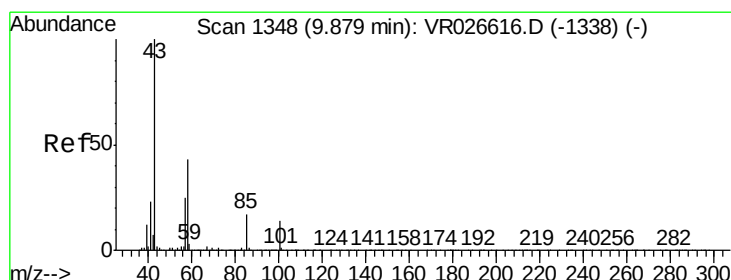
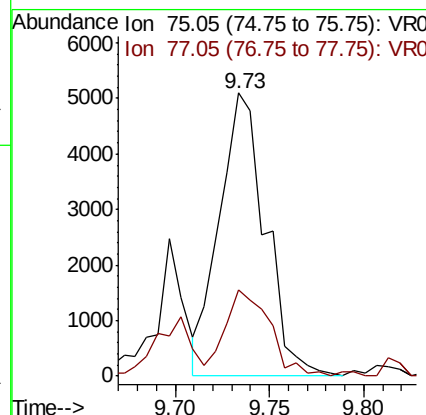
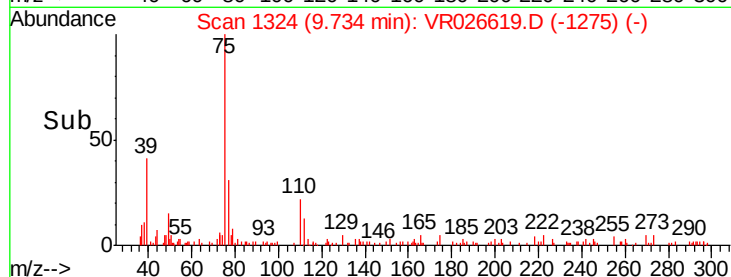
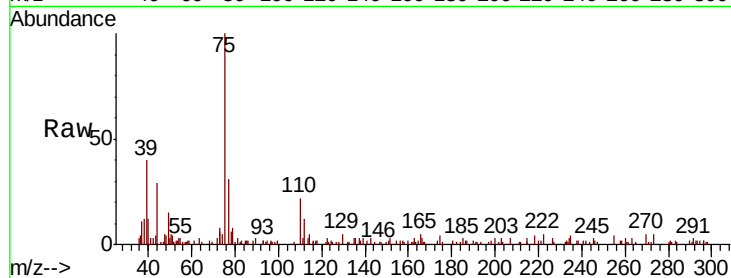


#39

cis-1,3-Dichloropropene
Concen: 0.267 ug/L
RT: 9.73 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Instrument :
MSVOA_R
ClientSampleId :

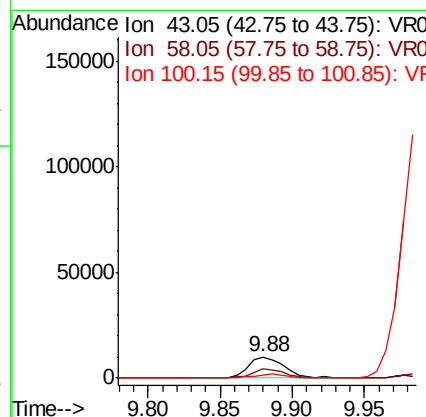
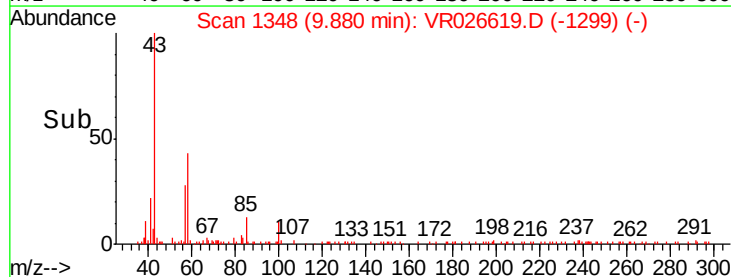
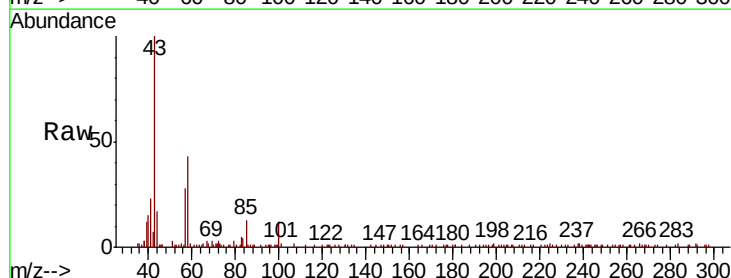
Tot Ion: 75 Resp: 8644
Ion Ratio Lower Upper
75 100
77 30.7 21.0 39.0

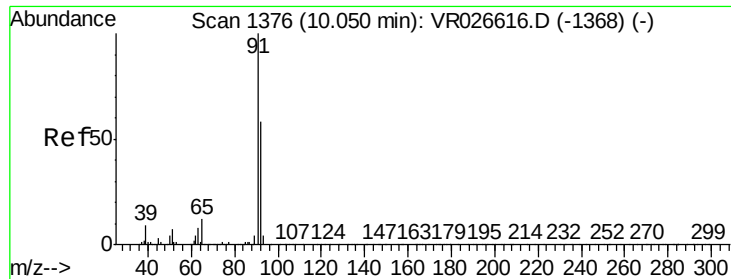


#40

4-Methyl-2-pentanone
Concen: 2.025 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VR026619.D
Acq: 11 Sep 2019 13:43

Tgt Ion: 43 Resp: 17247
Ion Ratio Lower Upper
43 100
58 41.6 31.6 47.4
100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.256 ug/L

RT: 10.06 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

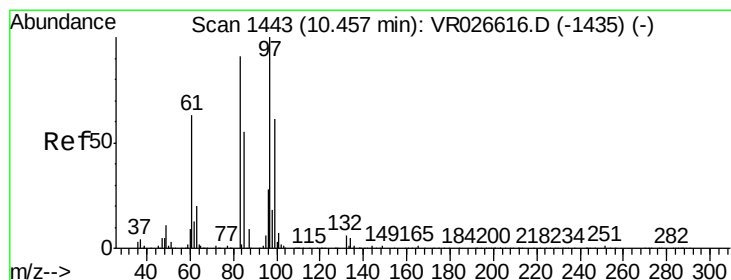
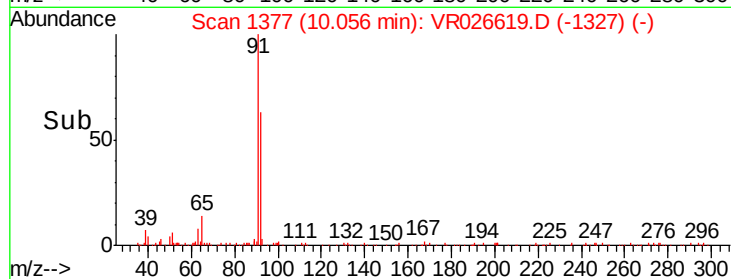
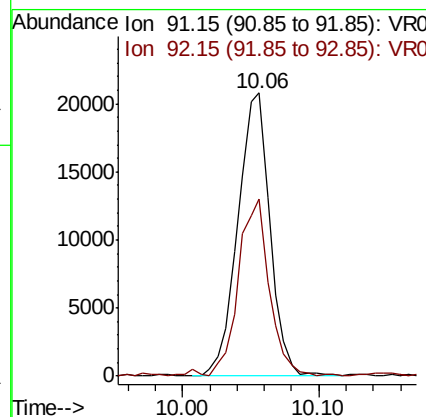
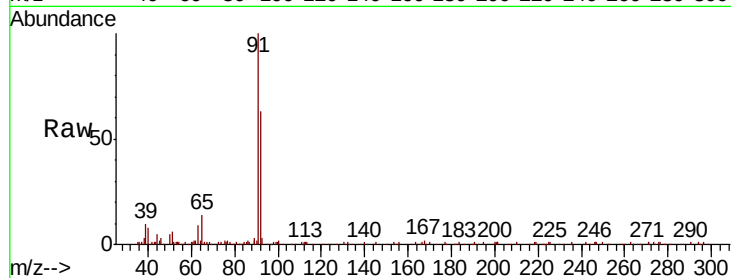
ClientSampled :

Tot Ion: 91 Resp: 34157

Ion Ratio Lower Upper

91 100

92 62.6 40.2 74.6



#45

1,1,2-Trichloroethane

Concen: 0.275 ug/L

RT: 10.46 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Tgt Ion: 97 Resp: 3422

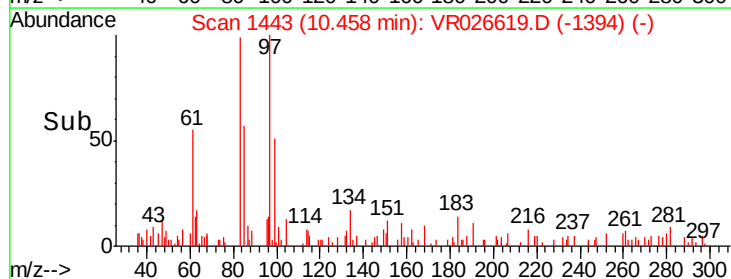
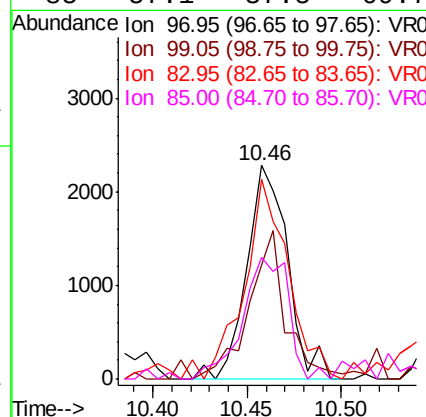
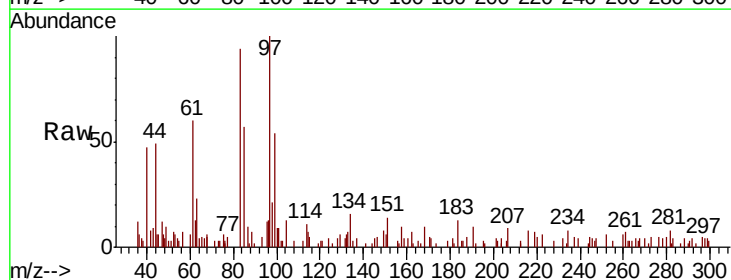
Ion Ratio Lower Upper

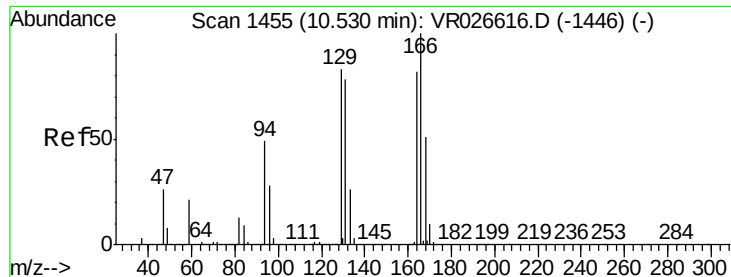
97 100

99 53.6 40.4 75.0

83 93.8 61.2 113.8

85 57.1 37.5 69.7





#47

Tetrachloroethene

Concen: 0.322 ug/L

RT: 10.53 min Scan# 1455

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:164 Resp: 6670

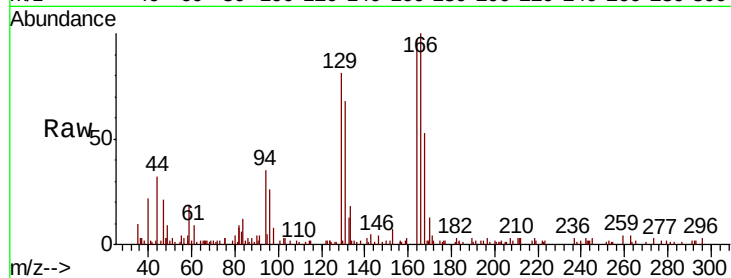
Ion Ratio Lower Upper

164 100

129 83.2 69.4 128.8

131 70.5 63.6 118.0

166 103.1 80.4 149.2

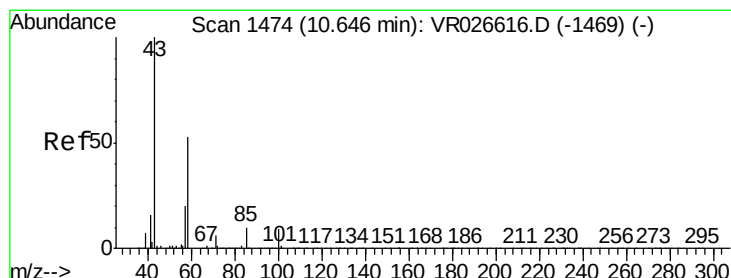
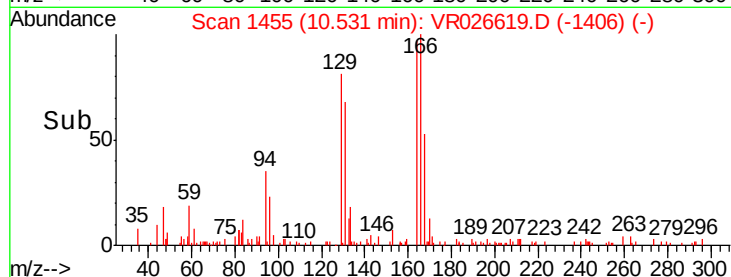
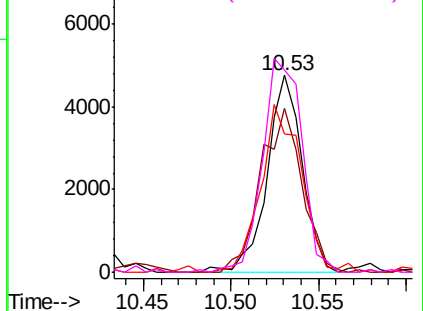


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.868 ug/L

RT: 10.65 min Scan# 1475

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Tgt Ion: 43 Resp: 14523

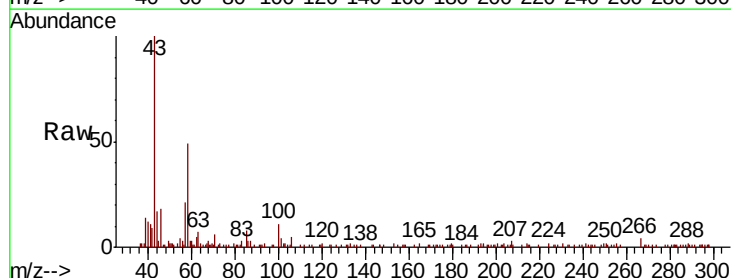
Ion Ratio Lower Upper

43 100

58 48.0 46.0 69.0

57 18.1 16.1 24.1

100 9.0 8.9 13.3

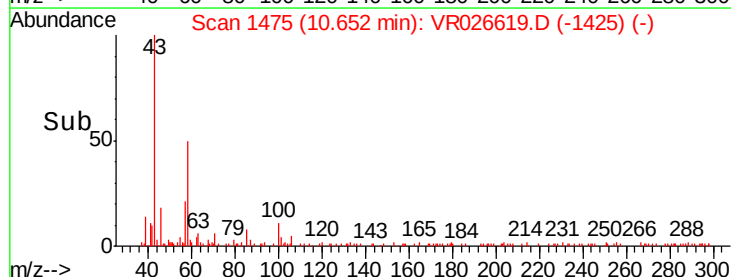
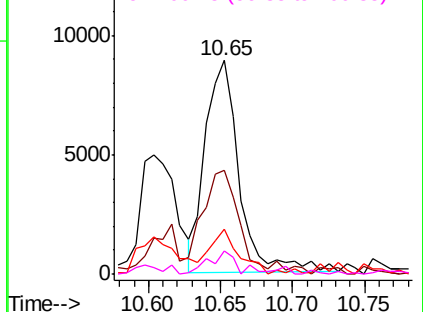


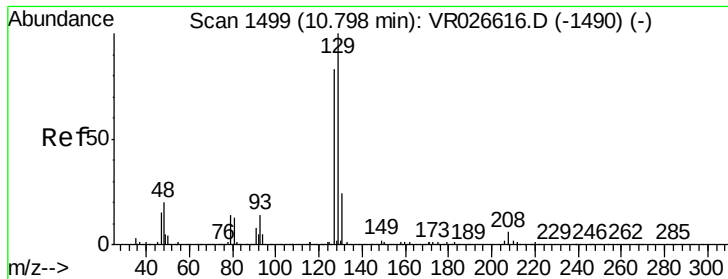
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 0.272 ug/L

RT: 10.80 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

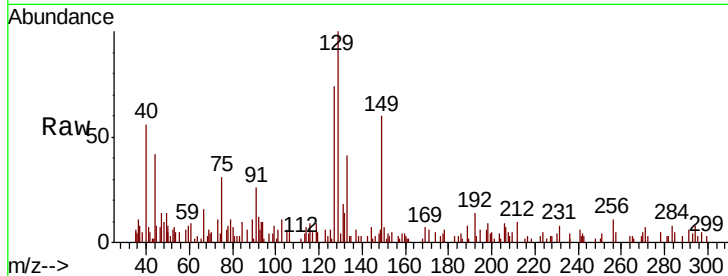
ClientSampled :

Tot Ion:129 Resp: 3528

Ion Ratio Lower Upper

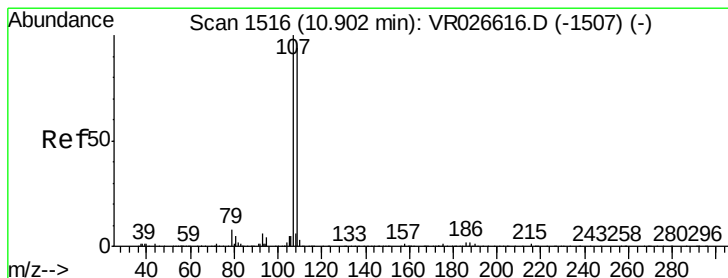
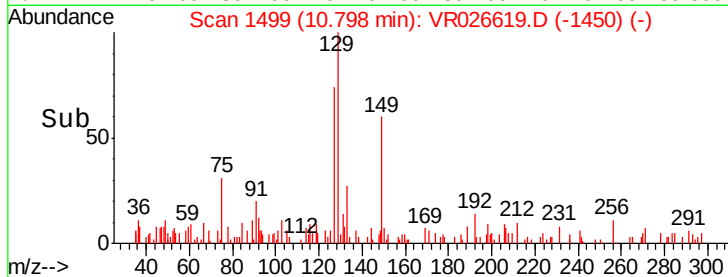
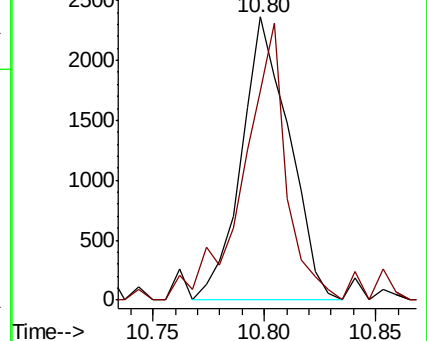
129 100

127 73.7 59.9 111.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.290 ug/L

RT: 10.91 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

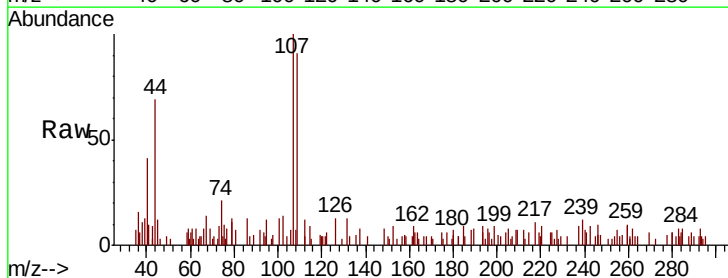
Tgt Ion:107 Resp: 3023

Ion Ratio Lower Upper

107 100

109 91.1 66.8 124.2

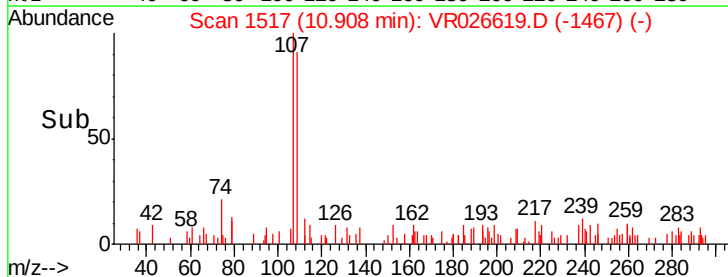
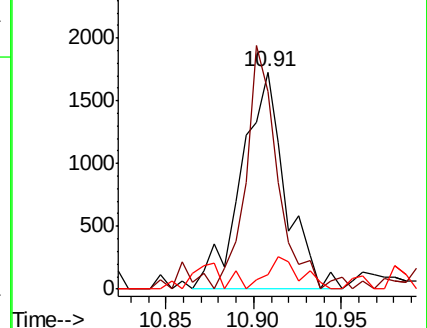
188 6.7 1.9 2.9#

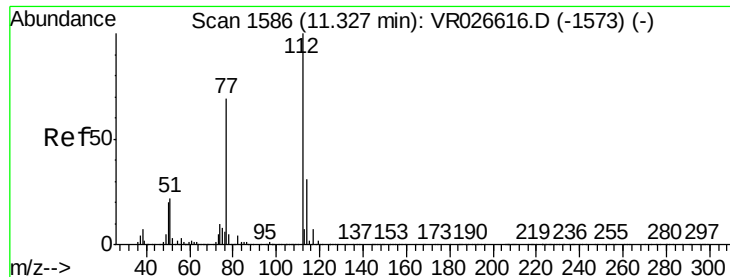


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.278 ug/L

RT: 11.33 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

ClientSampled :

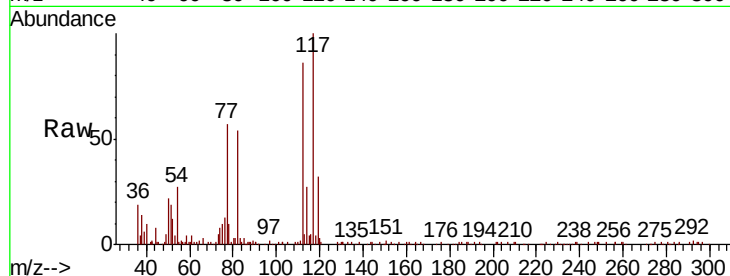
Tot Ion: 112 Resp: 20006

Ion Ratio Lower Upper

112 100

114 30.9 22.7 42.3

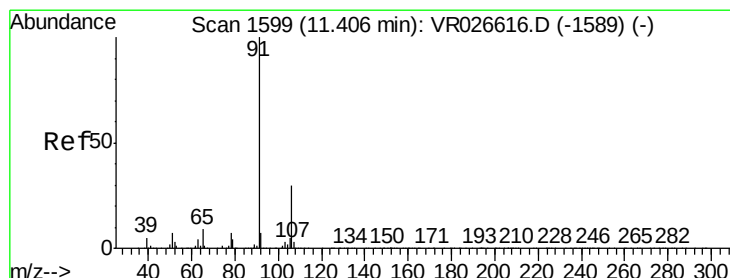
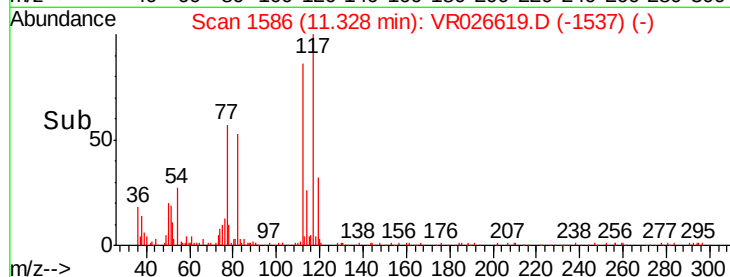
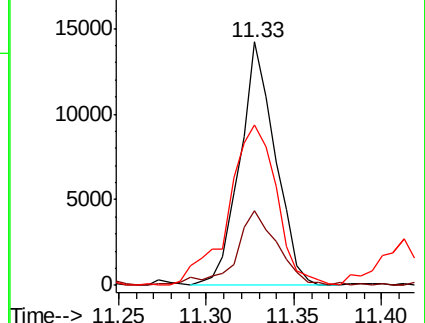
77 65.7 54.3 81.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 0.246 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026619.D

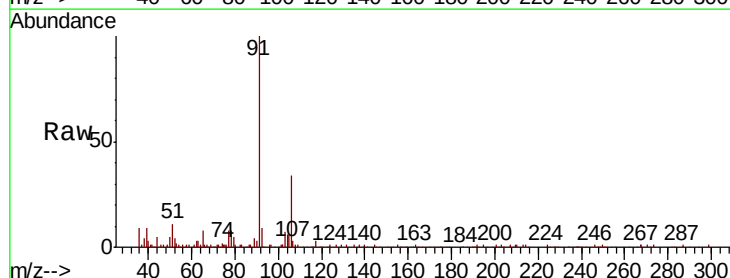
Acq: 11 Sep 2019 13:43

Tgt Ion: 91 Resp: 36033

Ion Ratio Lower Upper

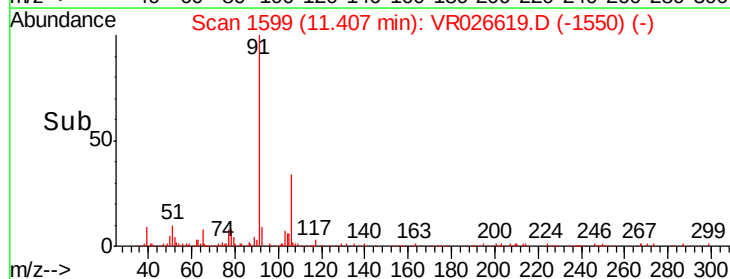
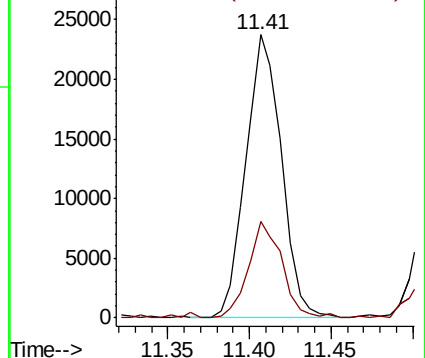
91 100

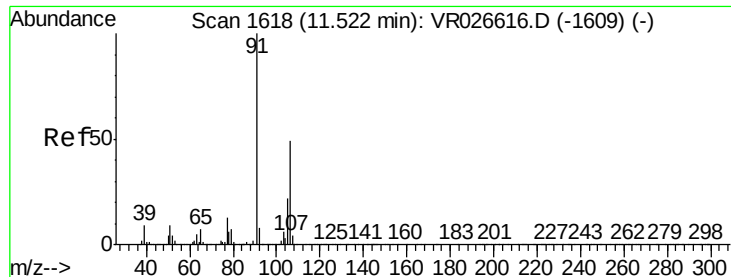
106 34.1 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.253 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

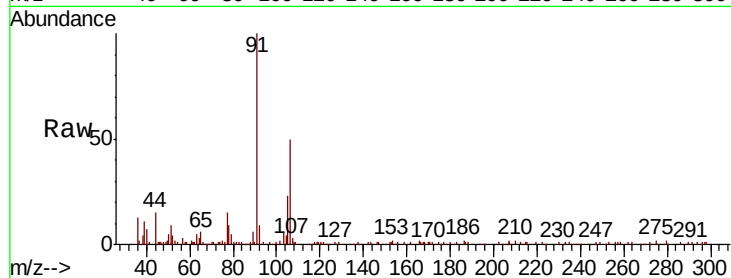
ClientSampleId :

Tot Ion:106 Resp: 13571

Ion Ratio Lower Upper

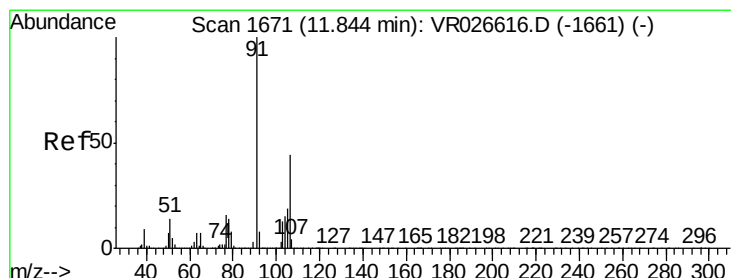
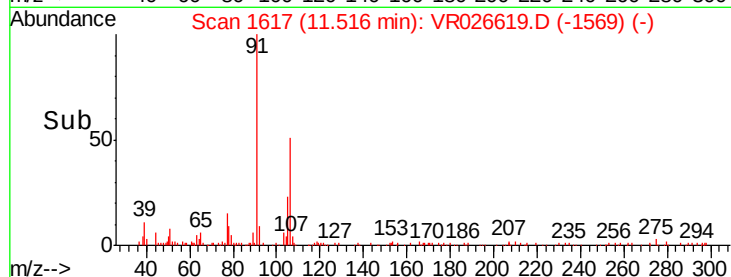
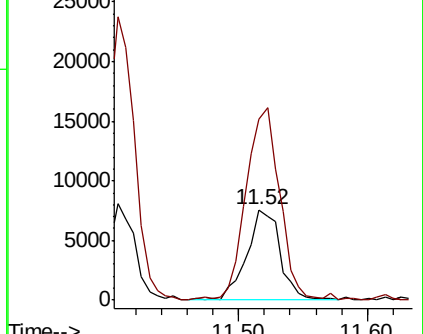
106 100

91 200.3 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.242 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026619.D

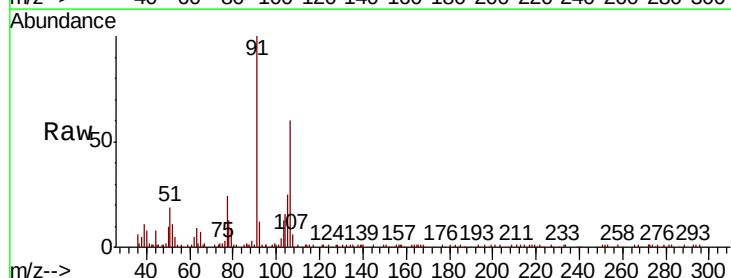
Acq: 11 Sep 2019 13:43

Tgt Ion:106 Resp: 12602

Ion Ratio Lower Upper

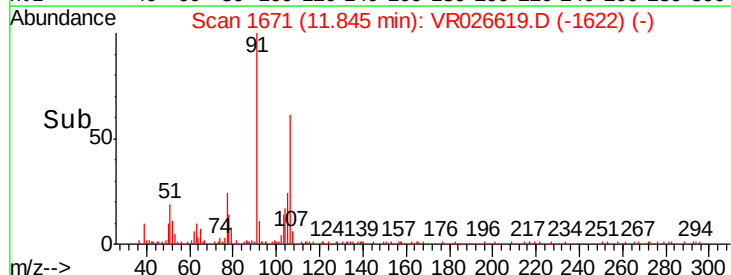
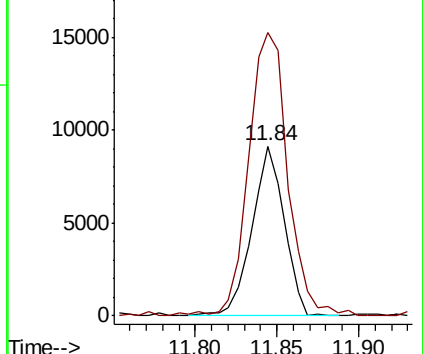
106 100

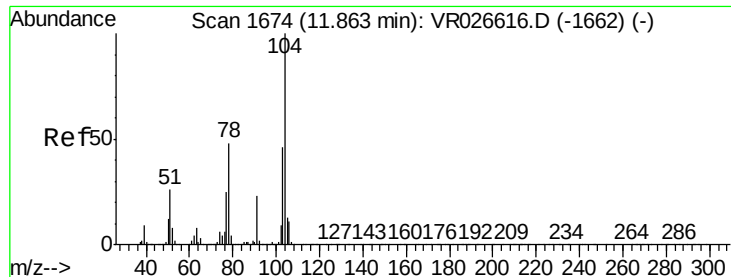
91 166.9 161.3 299.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Stvrene

Concen: 0.221 ug/L

RT: 11.86 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

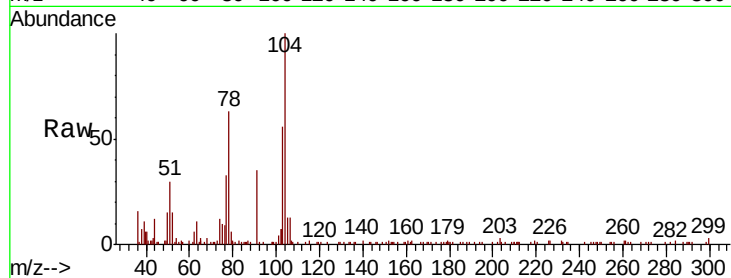
ClientSampled :

Tot Ion:104 Resp: 15918

Ion Ratio Lower Upper

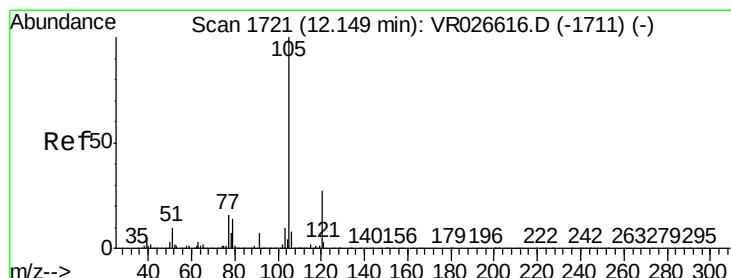
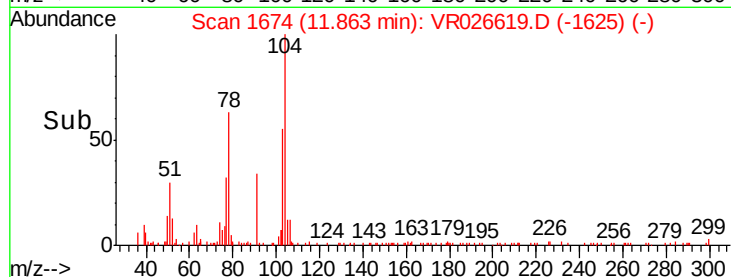
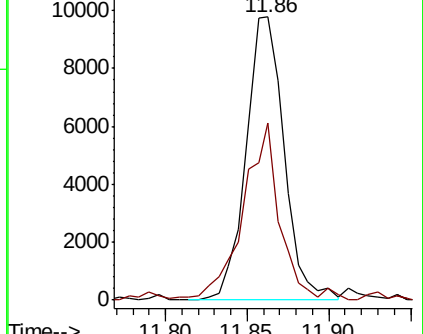
104 100

78 62.8 34.3 63.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.254 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

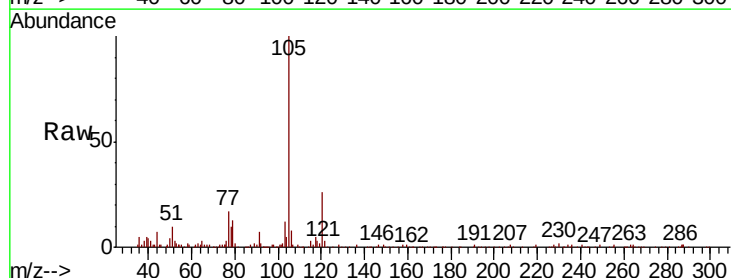
Tgt Ion:105 Resp: 36836

Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

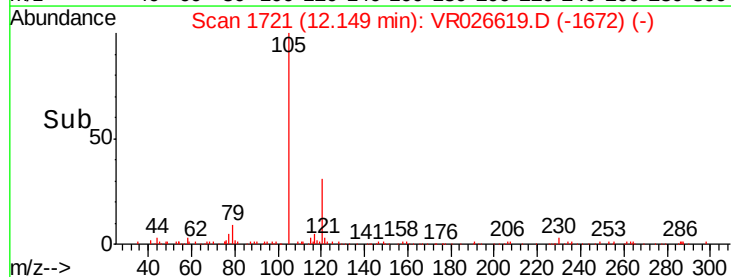
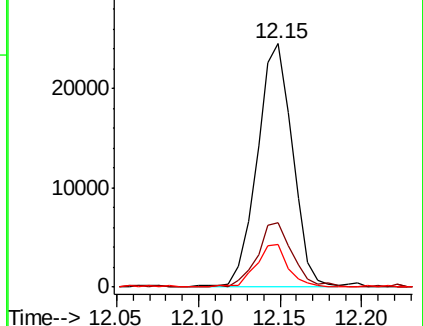
77 16.2 13.1 19.7

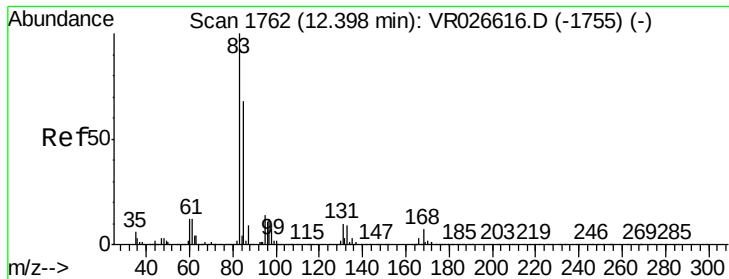


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.309 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026619.D

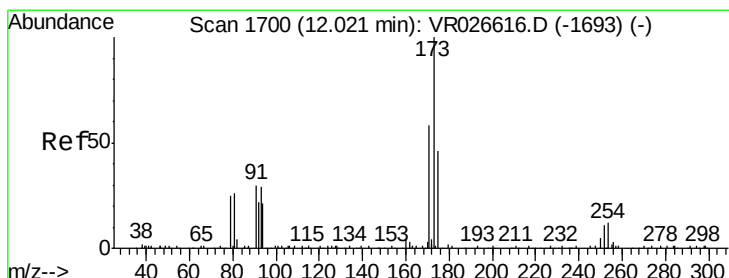
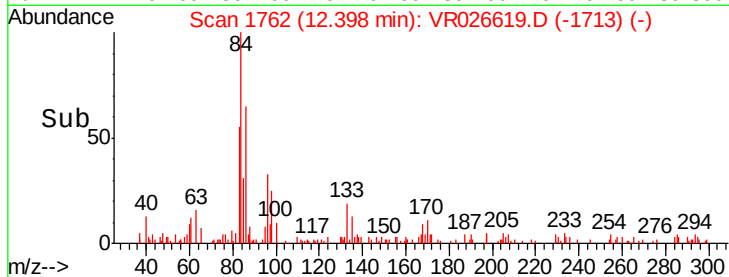
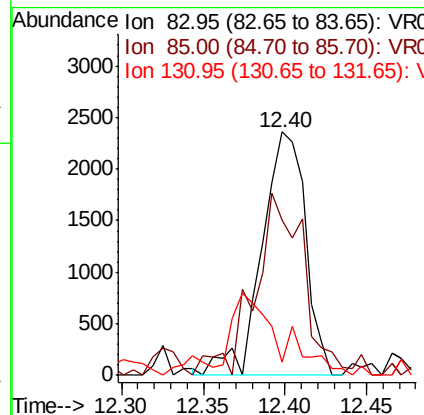
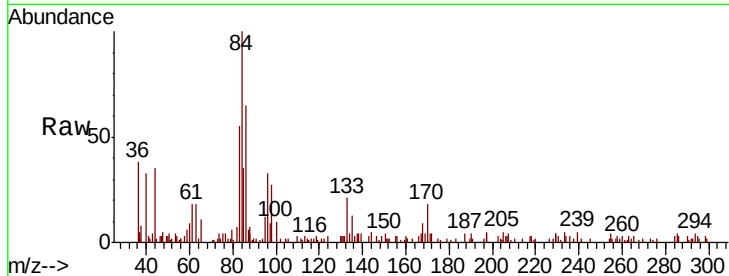
Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	83	Resp:	4381
Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.7	84.9
131	5.5	7.9	11.9#



#61

Bromoform

Concen: 0.299 ug/L

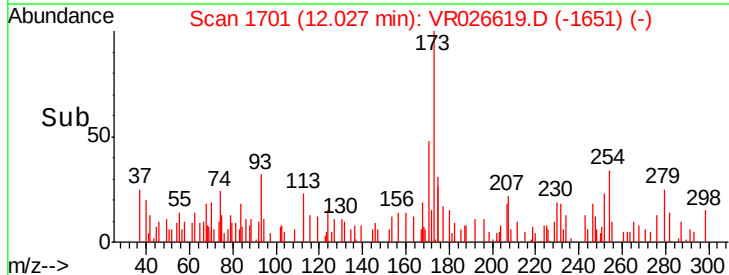
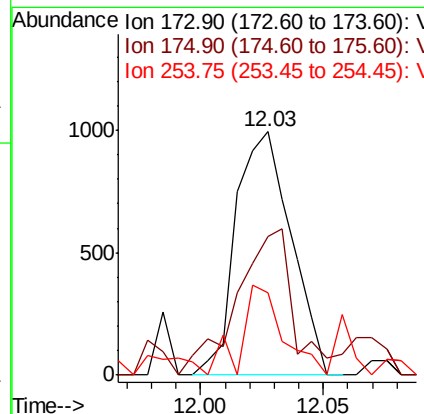
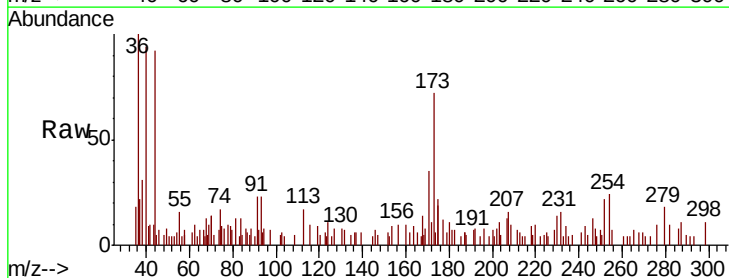
RT: 12.03 min Scan# 1701

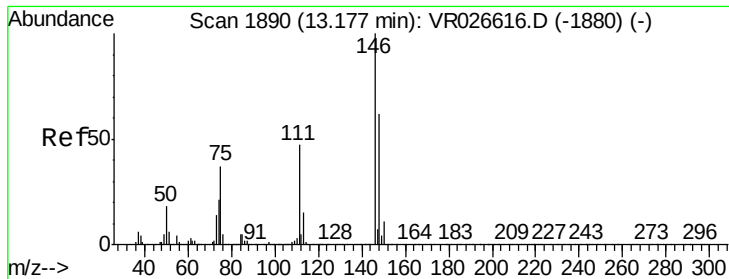
Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Tgt Ion:	173	Resp:	1560
Ion	Ratio	Lower	Upper
173	100		
175	60.8	38.8	58.2#
254	27.9	10.0	15.0#

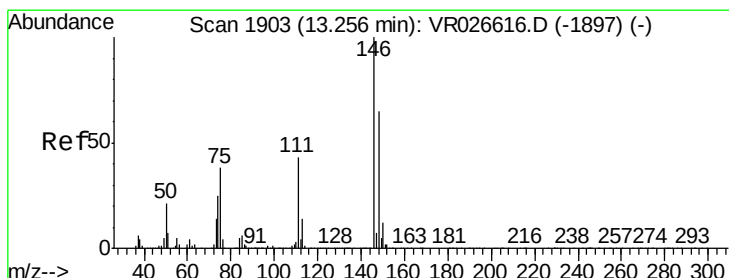
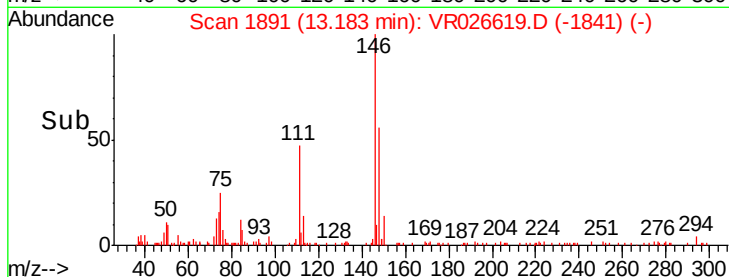
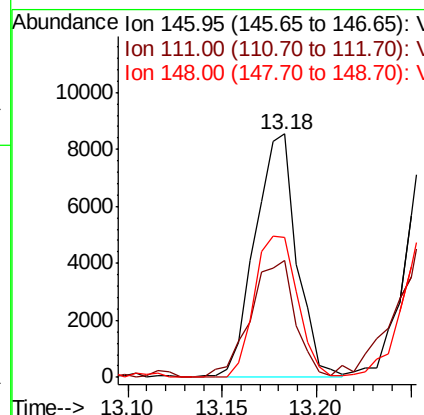
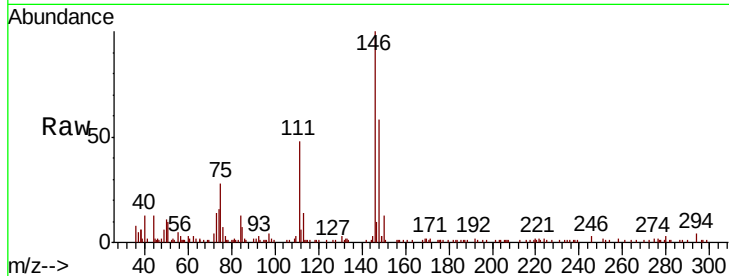




#62
 1,3-Dichlorobenzene
 Concen: 0.271 ug/L
 RT: 13.18 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

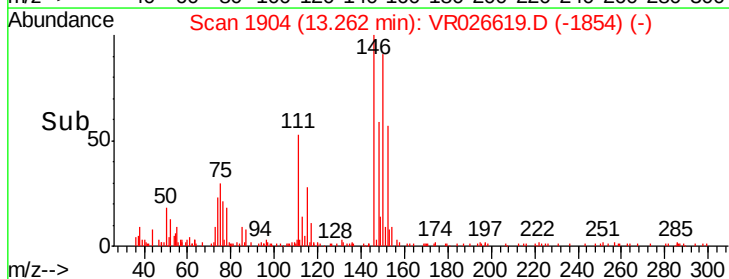
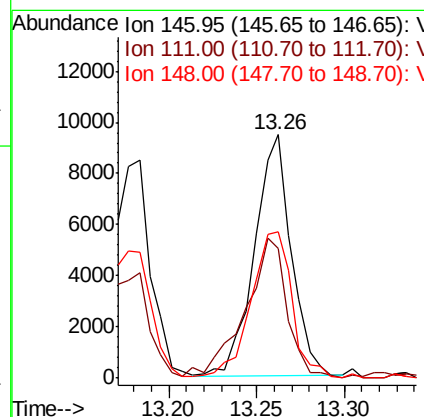
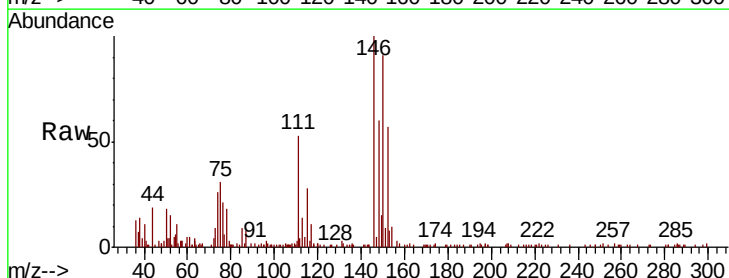
Instrument :
 MSVOA_R
 ClientSampled :

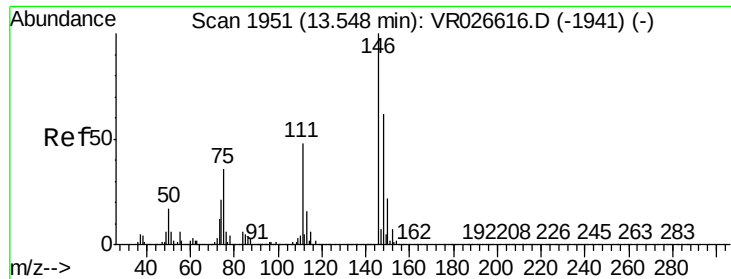
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	32.2	59.8
148	57.6	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 0.299 ug/L
 RT: 13.26 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.1	33.2	61.7
148	60.2	42.4	78.6

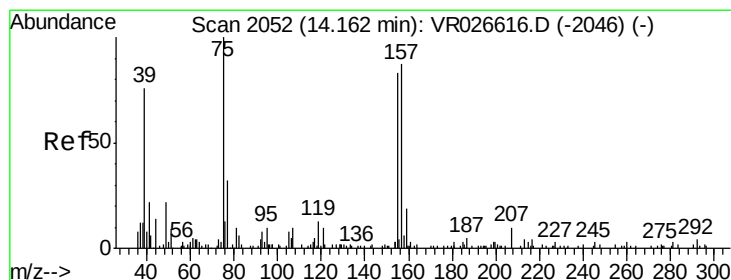
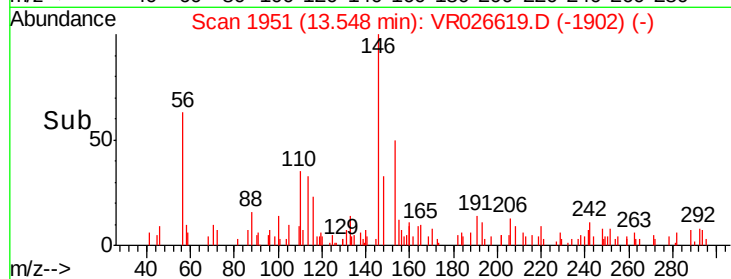
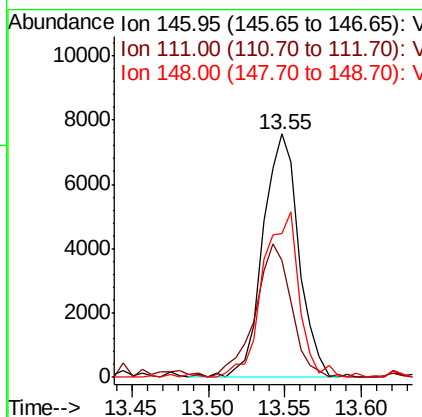
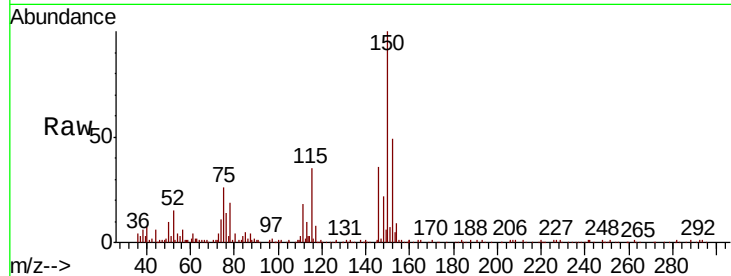




#65
 1,2-Dichlorobenzene
 Concen: 0.304 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

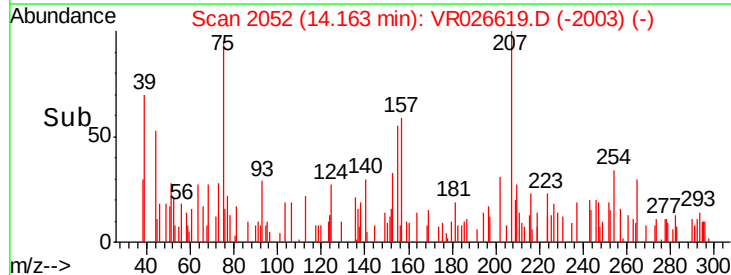
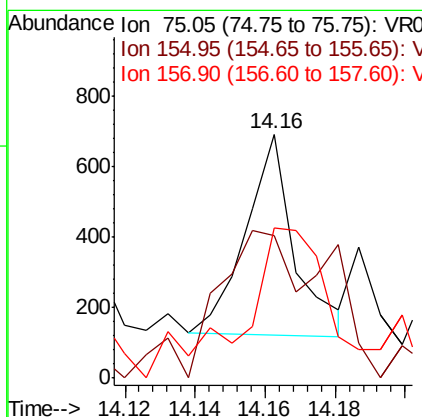
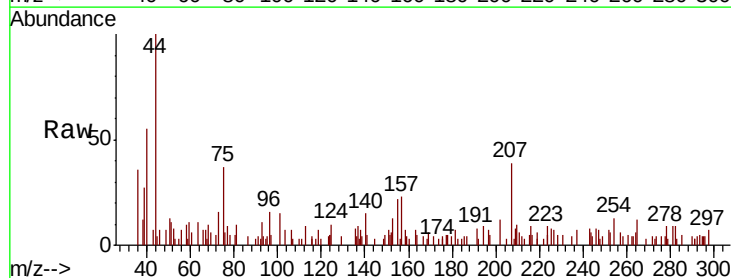
Instrument :
 MSVOA_R
 ClientSampled :

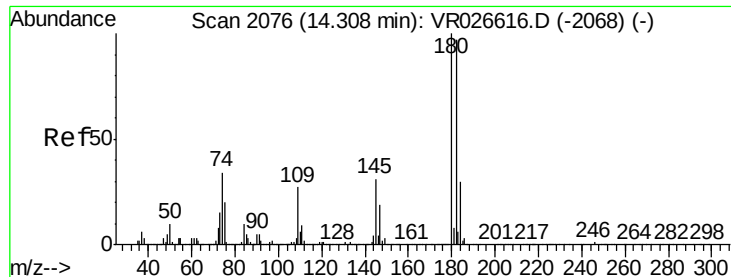
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	39.3	58.9
148	59.2	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.266 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.5	50.2	75.4
157	61.6	74.5	111.7#

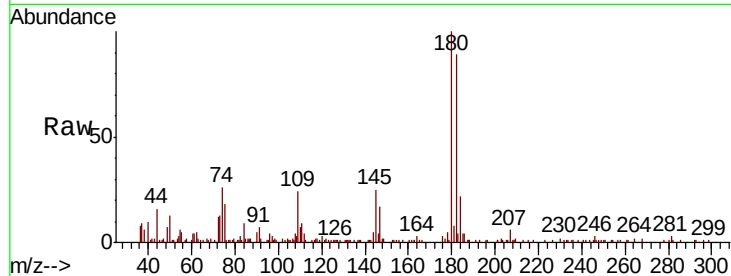




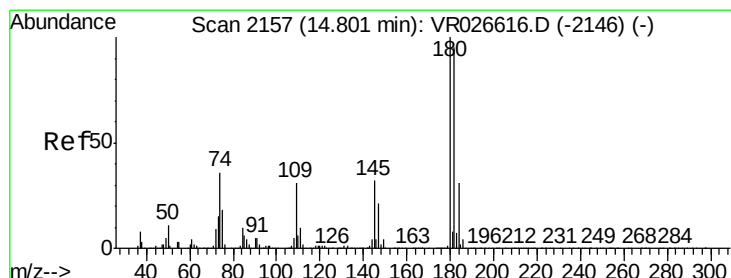
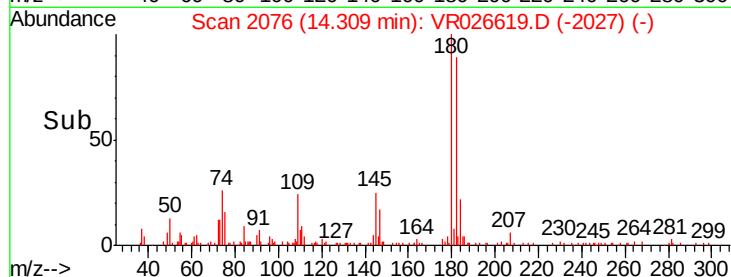
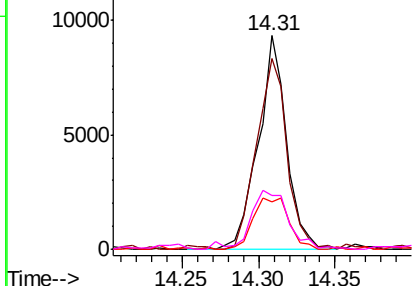
#67
 1,3,5-Trichlorobenzene
 Concen: 0.309 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.1	112.7
184	29.8	23.5	35.3
145	37.4	25.8	38.8

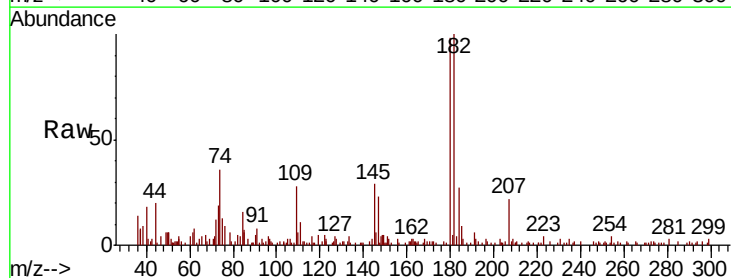


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

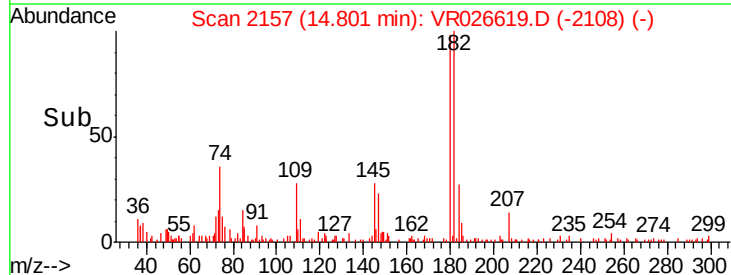
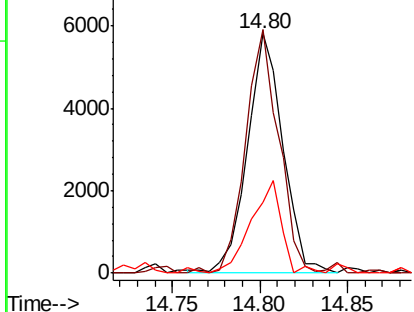


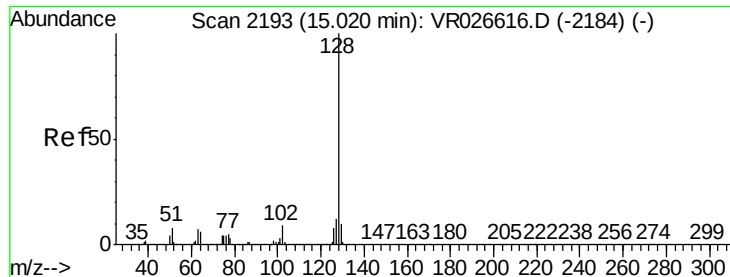
#68
 1,2,4-trichlorobenzene
 Concen: 0.289 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026619.D
 Acq: 11 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.7	116.5
145	33.3	26.0	39.0



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: 0.223 ug/L

RT: 15.01 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

Instrument :

MSVOA_R

ClientSampled :

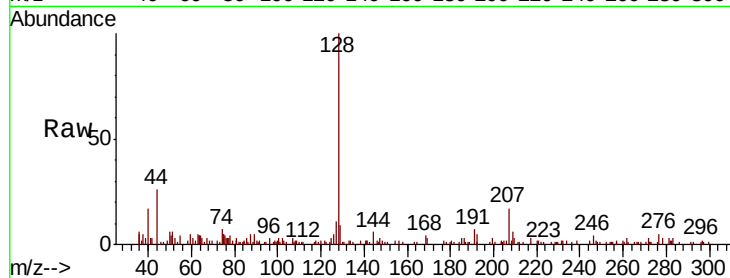
Tot Ion:128 Resp: 8952

Ion Ratio Lower Upper

128 100

127 14.5 11.4 17.2

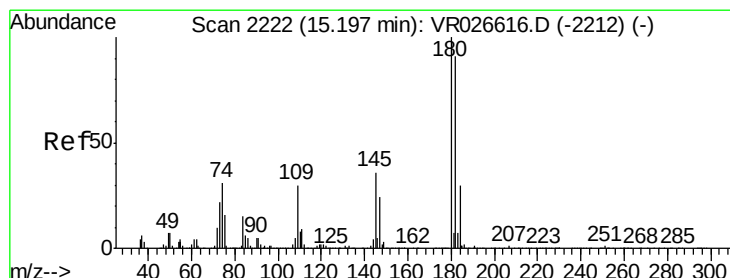
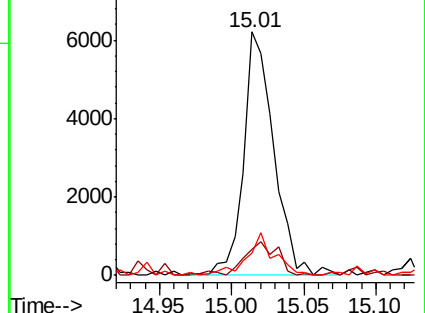
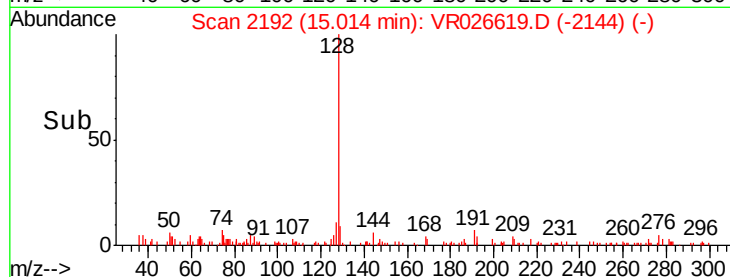
129 15.9 9.0 13.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.290 ug/L

RT: 15.20 min Scan# 2223

Delta R.T. 0.01 min

Lab File: VR026619.D

Acq: 11 Sep 2019 13:43

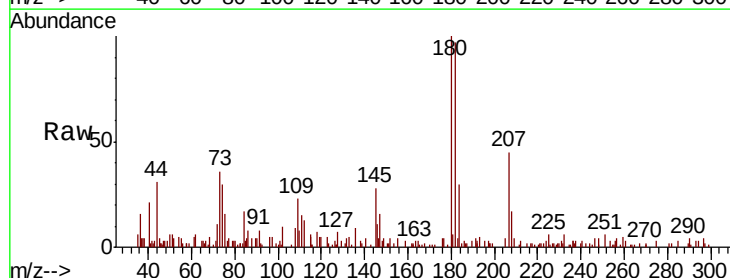
Tgt Ion:180 Resp: 6953

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 42.0 27.4 41.2#



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

