

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100918\
 Data File : VR026010.D
 Acq On : 9 Oct 2018 11:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 10 05:35:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 09 06:51:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	494103	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	424145	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	162386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	164772	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	2.63	69	156280	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	3.63	63	422840	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	6.59	46	193828	44.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.24%
24) Chloroform-d	7.20	84	300502	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	7.90	65	130843	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	589769	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	8.90	67	159587	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	9.97	98	552793	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	10.24	79	41084	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	10.59	63	155378	47.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.38%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	71474	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	111212	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	122007	4.062	ug/L 97
3) Chloromethane	2.01	50	214153	5.015	ug/L 100
5) Vinyl chloride	2.17	62	211843	4.984	ug/L 99
6) Bromomethane	2.53	94	128665	4.848	ug/L 99
8) Chloroethane	2.66	64	126760	5.241	ug/L 95
9) Trichlorofluoromethane	2.93	101	128838	2.183	ug/L # 44
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	195946	5.431	ug/L 98
12) 1,1-Dichloroethene	3.64	96	195921	5.253	ug/L 85
13) Acetone	3.70	43	169179	53.735	ug/L 96
14) Carbon disulfide	3.93	76	445377	4.932	ug/L 100
15) Methyl Acetate	4.19	43	44210	5.064	ug/L 94
16) Methylene chloride	4.40	84	171208	4.992	ug/L 97
17) Methyl tert-butyl Ether	4.88	73	174710	4.230	ug/L 96
18) trans-1,2-Dichloroethene	4.88	96	135930	4.406	ug/L 86
19) 1,1-Dichloroethane	5.69	63	270057	4.422	ug/L 91
21) 2-Butanone	6.69	43	194847	44.995	ug/L 96
22) cis-1,2-Dichloroethene	6.67	96	138783	4.471	ug/L # 93

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

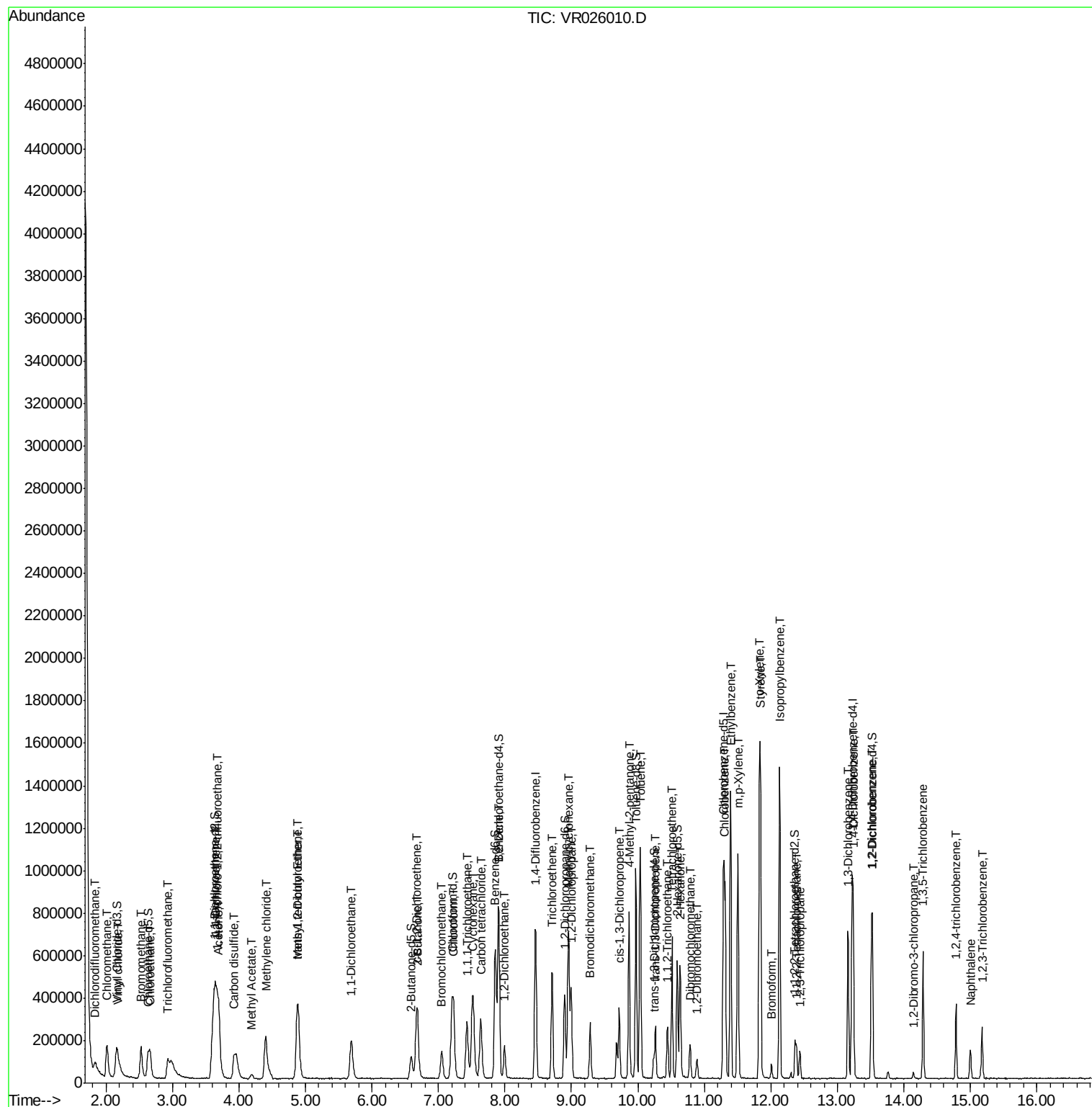
23) Bromochloromethane	7.05	128	38730	4.599	ug/L	87
25) Chloroform	7.23	83	272454	4.581	ug/L	98
27) 1,2-Dichloroethane	7.99	62	135917	4.580	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	224697	4.711	ug/L	97
30) Cyclohexane	7.51	56	241891	4.059	ug/L	96
31) Carbon tetrachloride	7.63	117	210247	5.090	ug/L	98
33) Benzene	7.91	78	638156	4.486	ug/L	100
34) Trichloroethene	8.71	95	161164	4.299	ug/L	91
35) Methylcyclohexane	8.95	83	249725	4.431	ug/L	98
37) 1,2-Dichloropropane	9.00	63	135119	4.427	ug/L	99
38) Bromodichloromethane	9.28	83	150746	4.578	ug/L #	99
39) cis-1,3-Dichloropropene	9.72	75	161633	4.723	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	488018	45.475	ug/L	97
42) Toluene	10.04	91	685352	4.636	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	113958	5.101	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	60635	4.392	ug/L	94
47) Tetrachloroethene	10.51	164	109157	4.726	ug/L	92
48) 2-Hexanone	10.63	43	327489	46.610	ug/L	96
49) Dibromochloromethane	10.79	129	65578	4.681	ug/L	97
50) 1,2-Dibromoethane	10.89	107	51640	4.741	ug/L	97
51) Chlorobenzene	11.32	112	365361	4.659	ug/L	94
52) Ethylbenzene	11.39	91	814534	4.828	ug/L	100
53) m,p-Xylene	11.50	106	294403	4.901	ug/L	96
54) o-Xylene	11.83	106	269124	4.813	ug/L	99
55) Styrene	11.84	104	430865	4.951	ug/L	94
56) Isopropylbenzene	12.13	105	782703	5.075	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	59682	4.487	ug/L	92
59) 1,2,3-Trichloropropane	12.43	75	45346	4.581	ug/L	95
61) Bromoform	12.01	173	23537	4.795	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	211986	4.467	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	219013	4.511	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	168773	4.426	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	6223	3.881	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	130063	4.601	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	76681	4.255	ug/L	97
69) Naphthalene	15.00	128	87584	3.808	ug/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	56315	4.504	ug/L	97

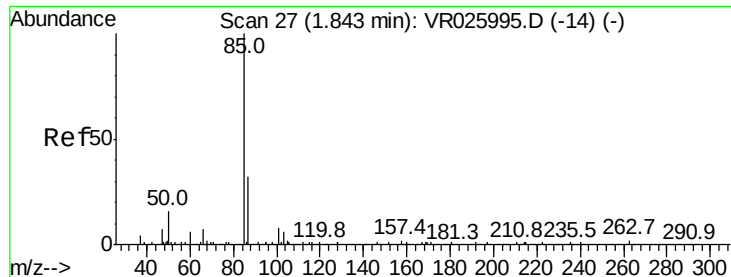
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.062 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

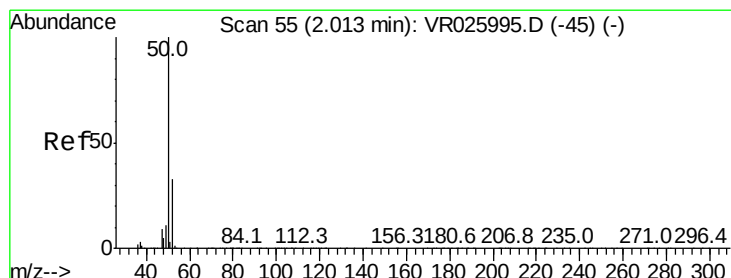
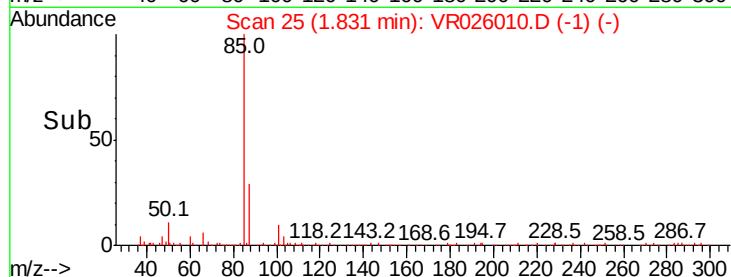
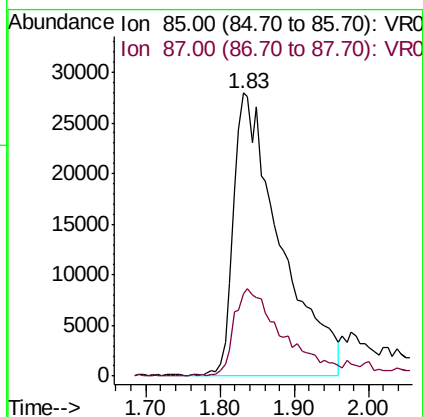
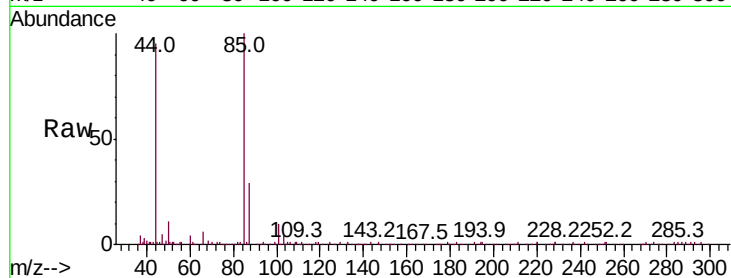
ClientSampleId :

Tot Ion: 85 Resp: 122007

Ion Ratio Lower Upper

85 100

87 32.8 25.1 37.7



#3

Chloromethane

Concen: 5.015 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026010.D

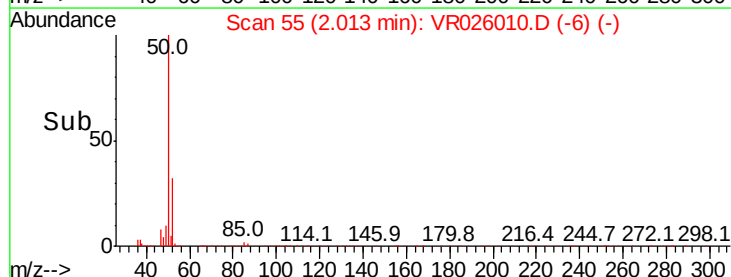
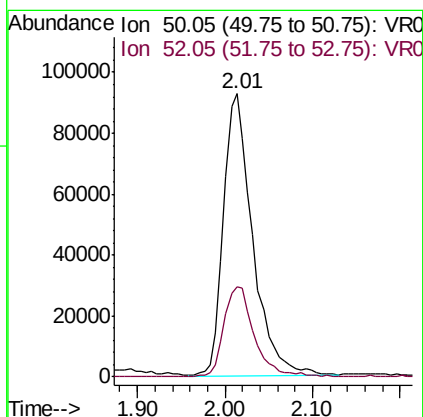
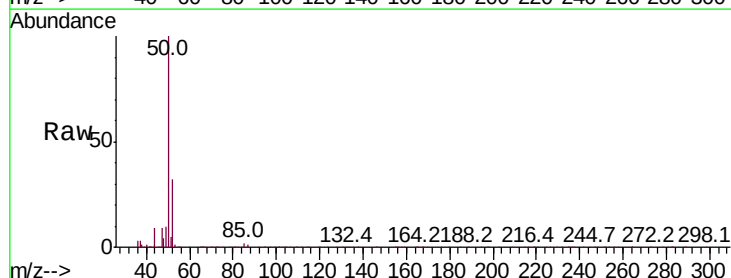
Acq: 9 Oct 2018 11:48

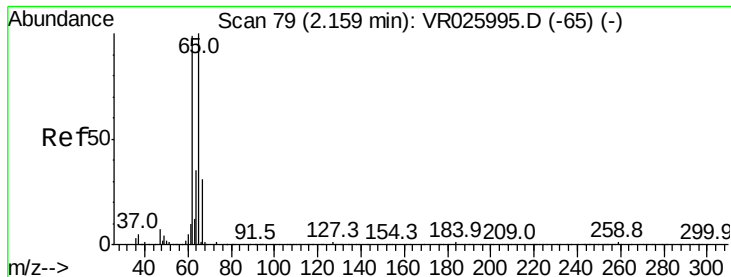
Tgt Ion: 50 Resp: 214153

Ion Ratio Lower Upper

50 100

52 31.8 22.1 41.1





#5

Vinyl chloride

Concen: 4.984 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

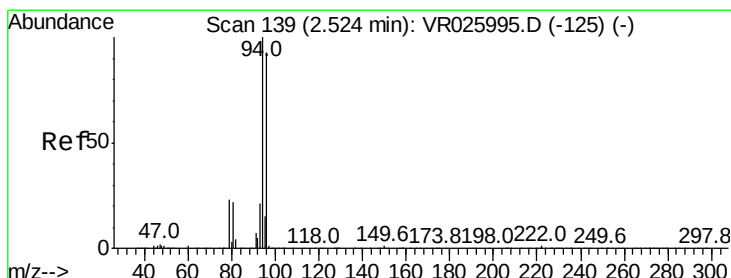
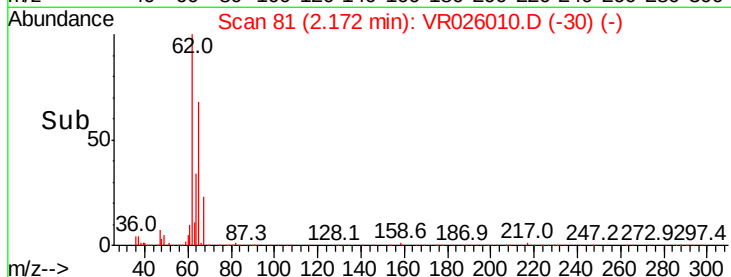
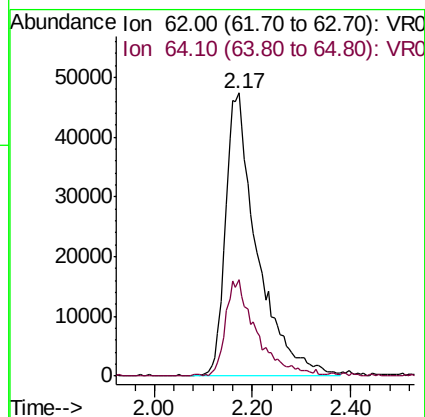
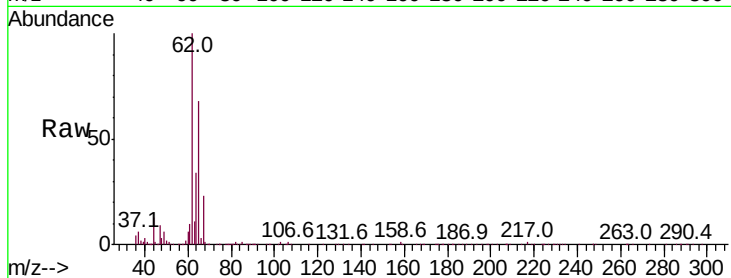
ClientSampled :

Tot Ion: 62 Resp: 211843

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7



#6

Bromomethane

Concen: 4.848 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026010.D

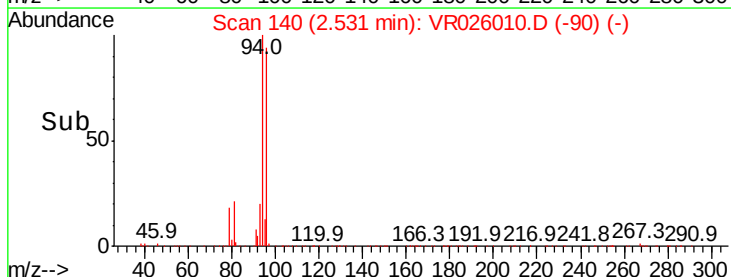
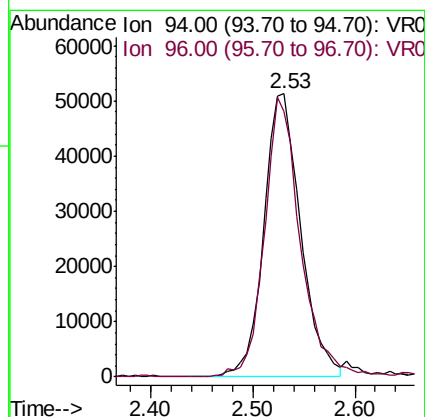
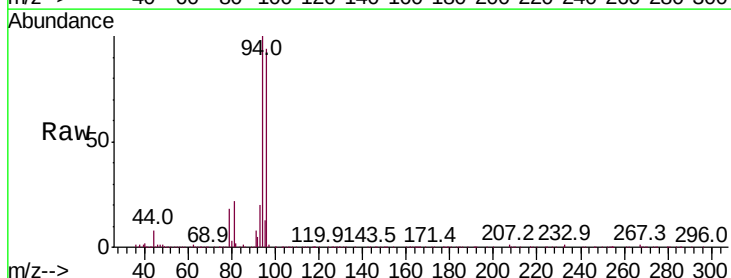
Acq: 9 Oct 2018 11:48

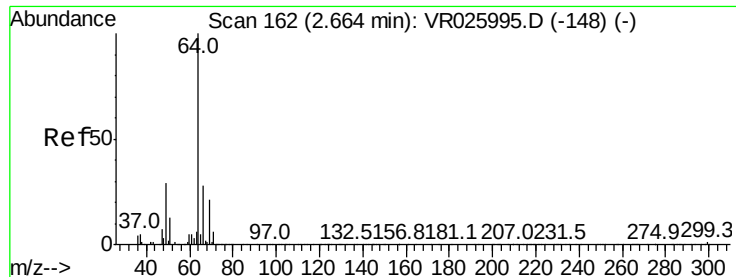
Tgt Ion: 94 Resp: 128665

Ion Ratio Lower Upper

94 100

96 93.9 66.1 122.8





#8

Chloroethane

Concen: 5.241 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

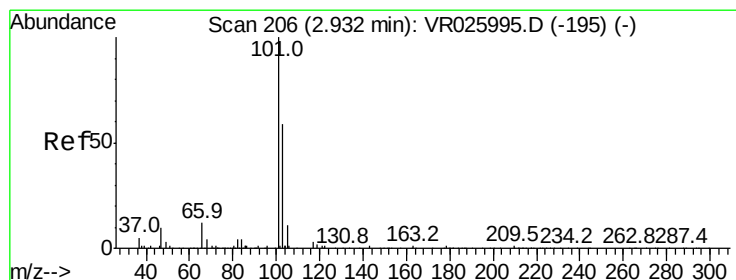
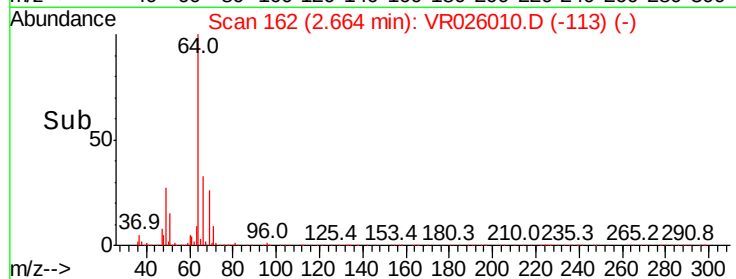
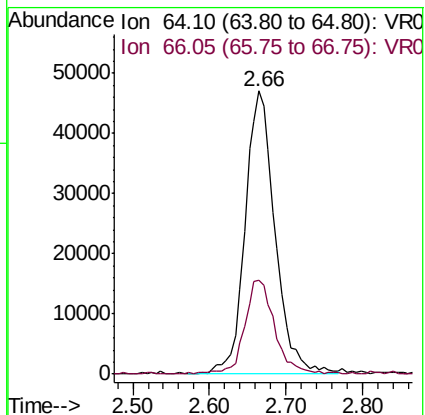
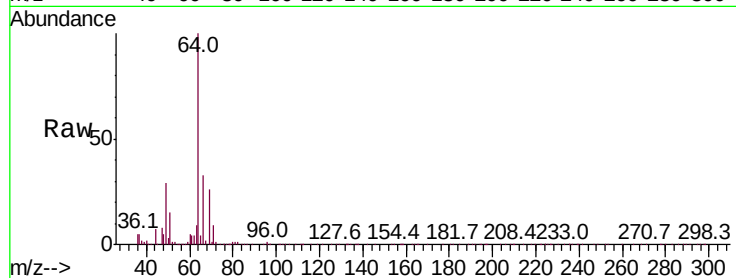
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 64 Resp: 126760

Ion Ratio Lower Upper

64 100

66 33.2 21.3 39.5



#9

Trichlorofluoromethane

Concen: 2.183 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026010.D

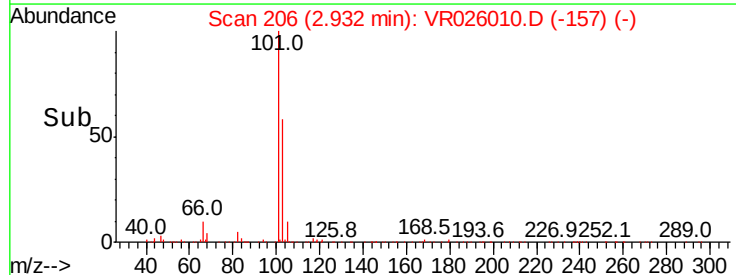
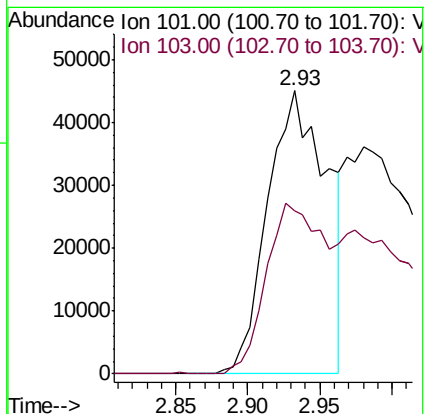
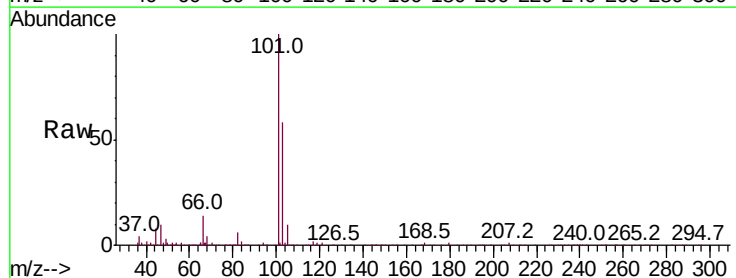
Acq: 9 Oct 2018 11:48

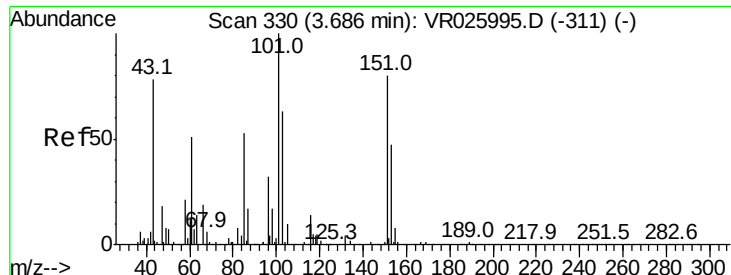
Tgt Ion: 101 Resp: 128838

Ion Ratio Lower Upper

101 100

103 57.1 22.1 33.1#





#10

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

Concen: 5.431 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

ClientSampleId :

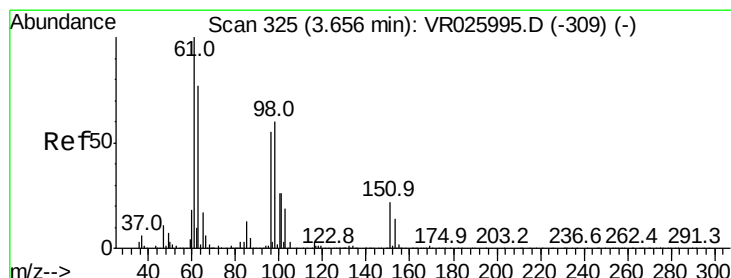
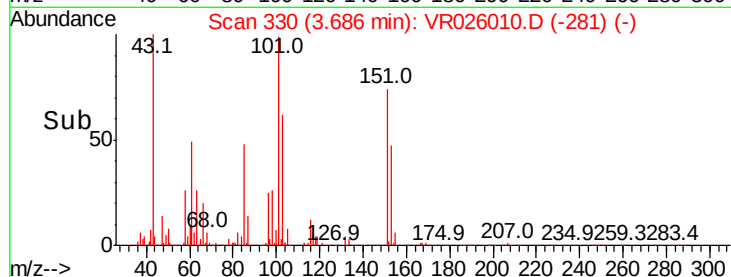
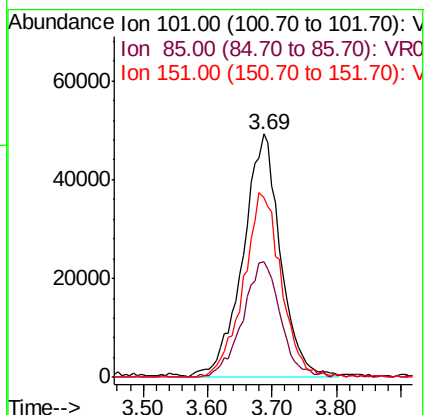
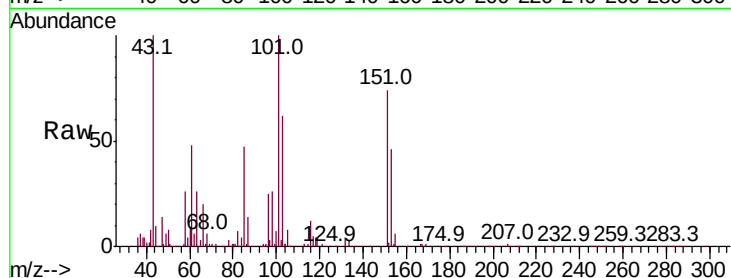
Tot Ion:101 Resp: 195946

Ion Ratio Lower Upper

101 100

85 48.0 38.2 57.4

151 76.2 58.4 87.6



#12

1,1-Dichloroethene

Concen: 5.253 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

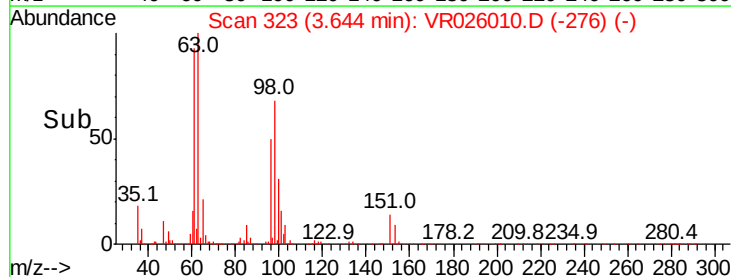
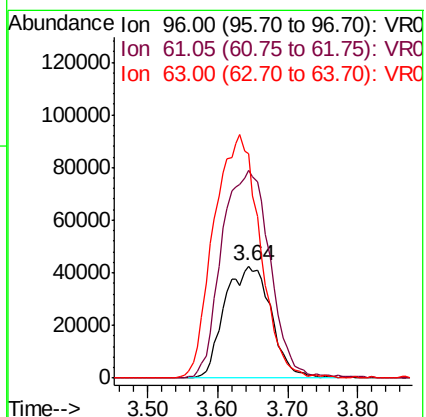
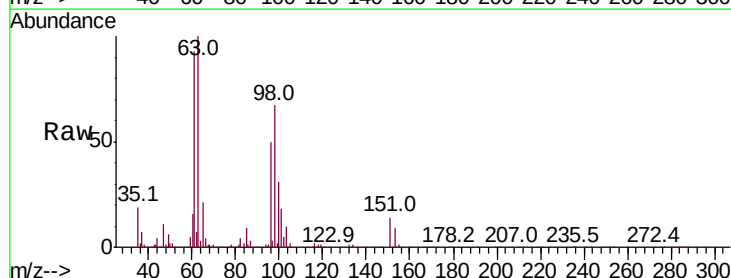
Tgt Ion: 96 Resp: 195921

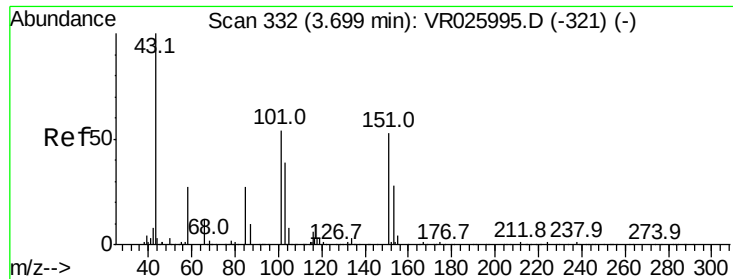
Ion Ratio Lower Upper

96 100

61 185.7 145.0 269.4

63 200.0 123.8 230.0

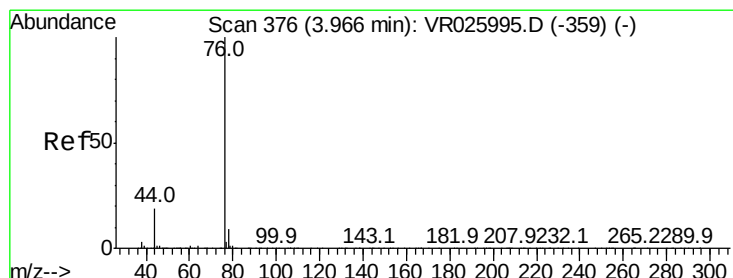
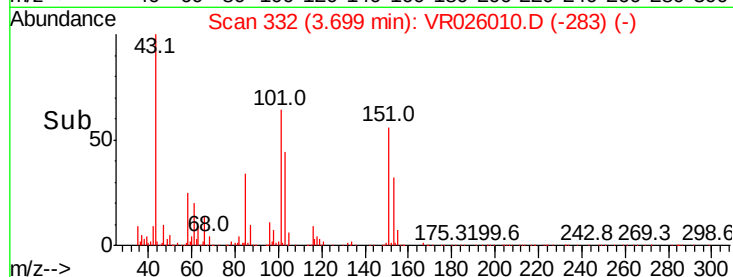
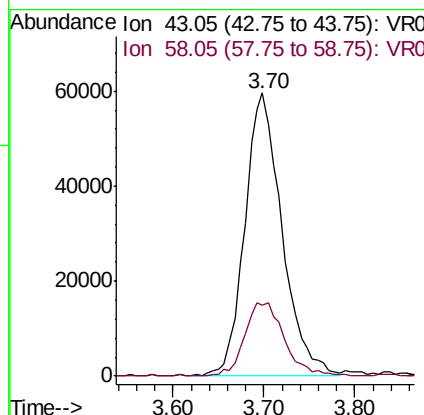
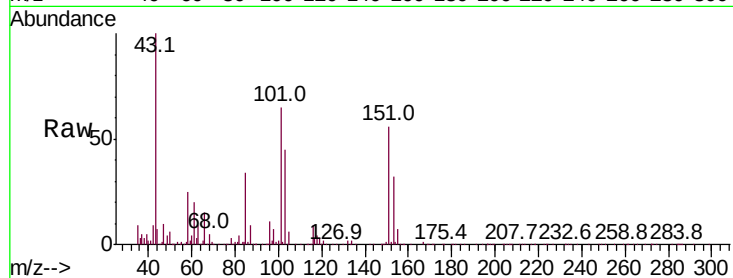




#13
Acetone
Concen: 53.735 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

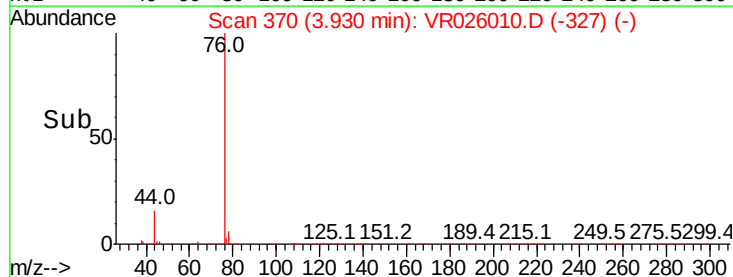
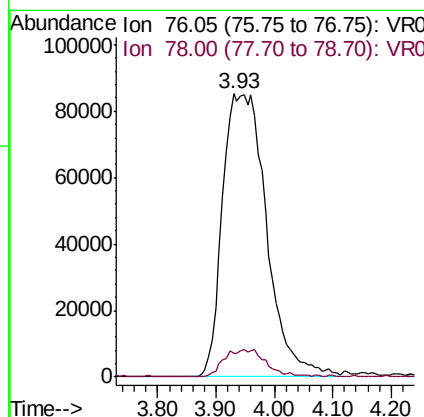
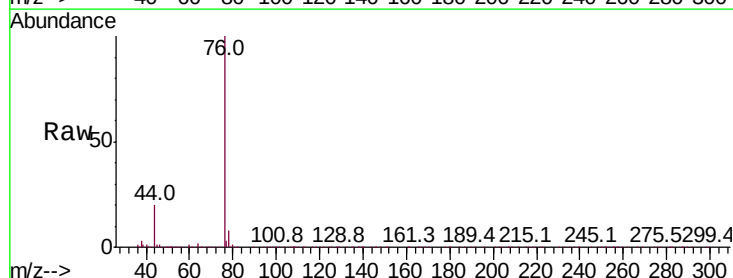
Instrument :
MSVOA_R
ClientSampled :

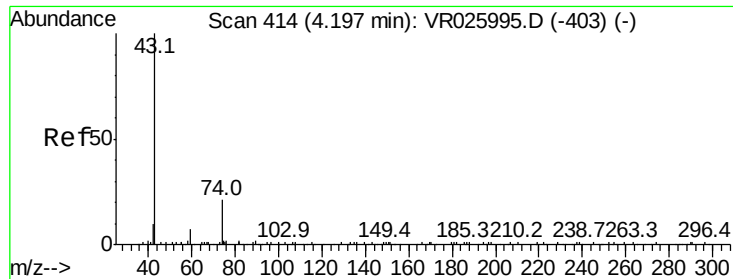
Tot Ion: 43 Resp: 169179
Ion Ratio Lower Upper
43 100
58 27.8 0.0 51.4



#14
Carbon disulfide
Concen: 4.932 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.04 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion: 76 Resp: 445377
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

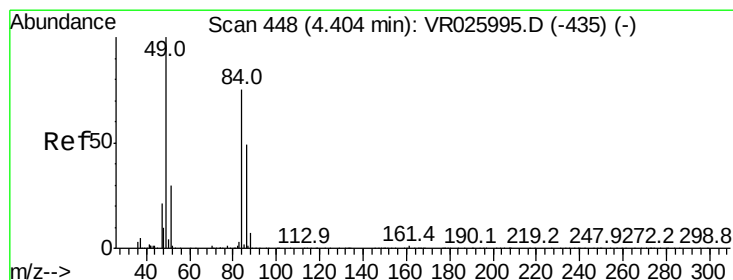
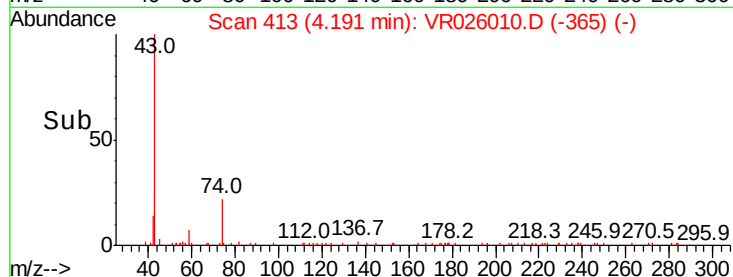
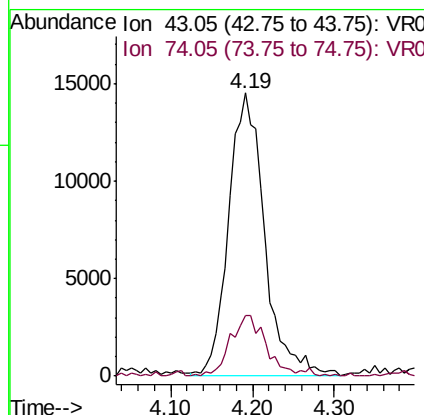
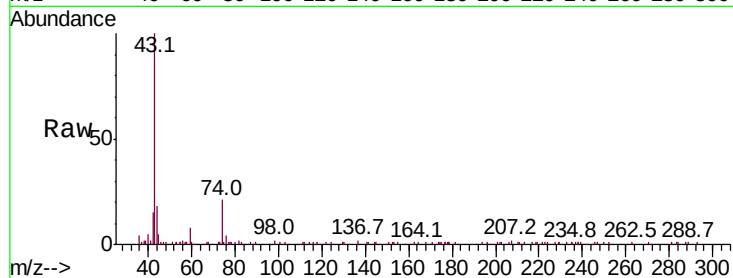




#15
Methyl Acetate
Concen: 5.064 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

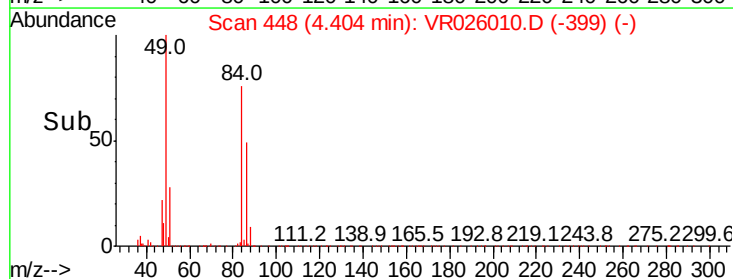
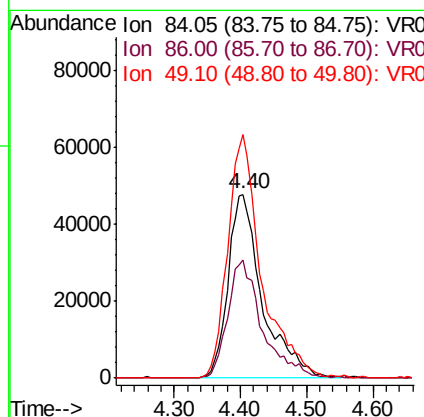
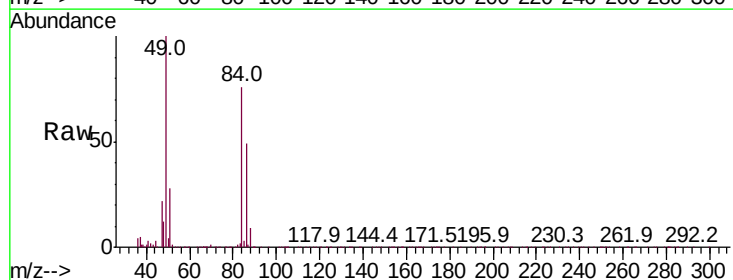
Instrument :
MSVOA_R
ClientSampleId :

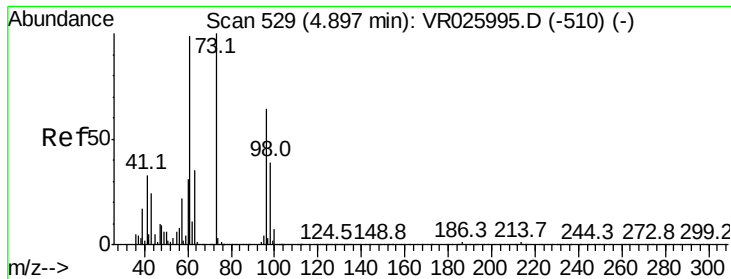
Tot Ion: 43 Resp: 44210
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.4



#16
Methylene chloride
Concen: 4.992 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion: 84 Resp: 171208
Ion Ratio Lower Upper
84 100
86 64.3 43.1 80.1
49 132.3 95.5 177.3





#17

Methyl tert-butyl Ether

Concen: 4.230 ug/L

RT: 4.88 min Scan# 527

Delta R.T. -0.01 min

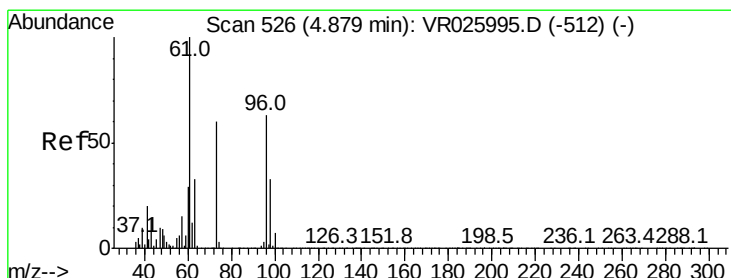
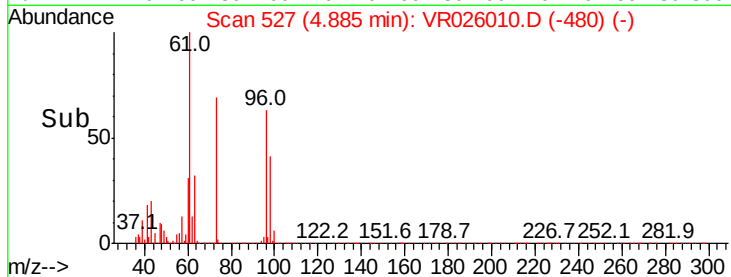
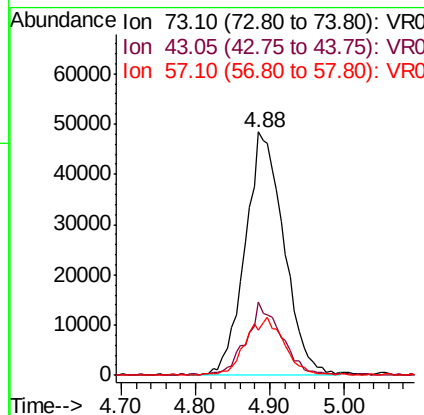
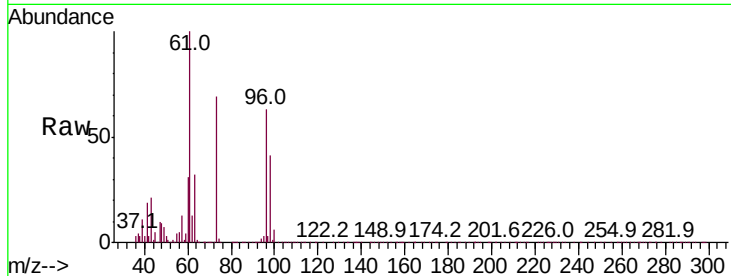
Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 174710

Ion	Ratio	Lower	Upper
73	100		
43	27.3	19.8	29.8
57	23.9	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.406 ug/L

RT: 4.88 min Scan# 527

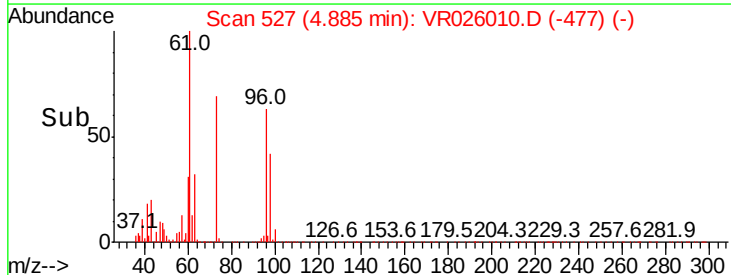
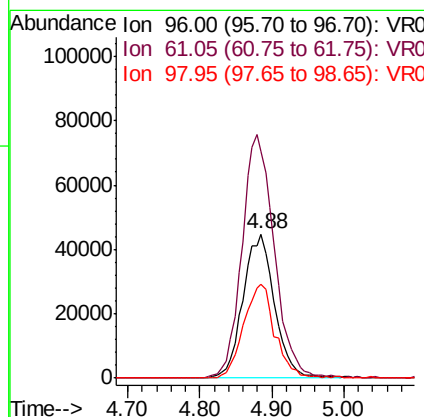
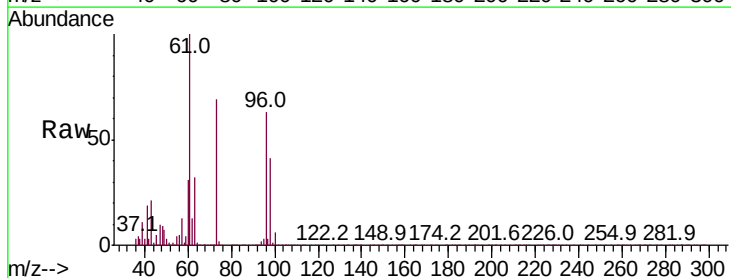
Delta R.T. 0.01 min

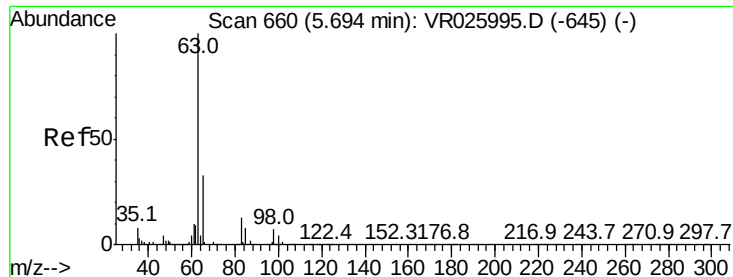
Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Tgt Ion: 96 Resp: 135930

Ion	Ratio	Lower	Upper
96	100		
61	157.9	127.4	236.6
98	65.5	43.8	81.3

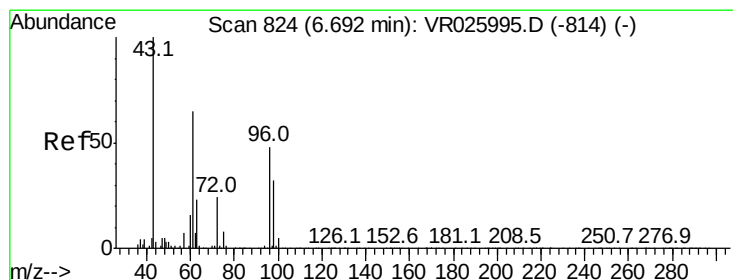
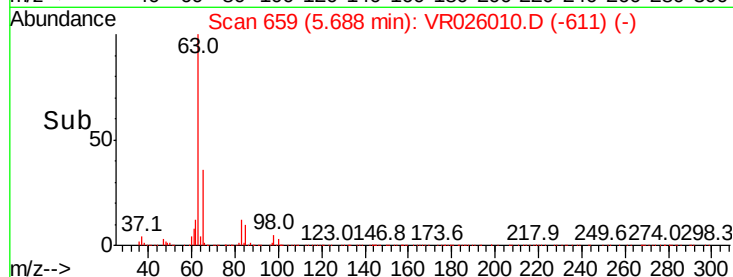
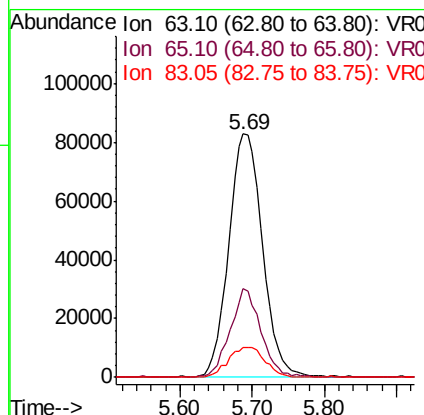
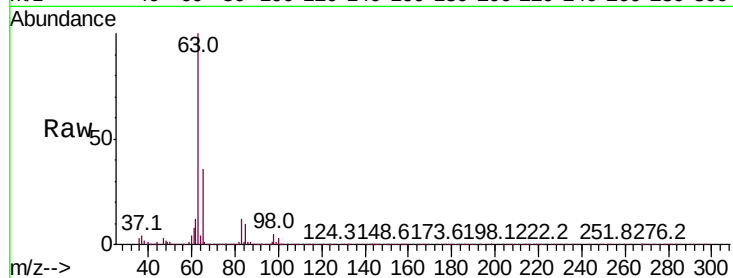




#19
 1,1-Dichloroethane
 Concen: 4.422 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

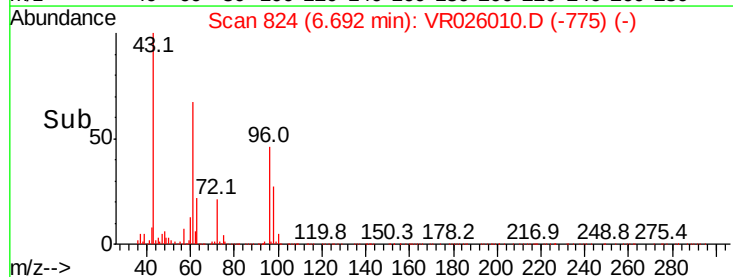
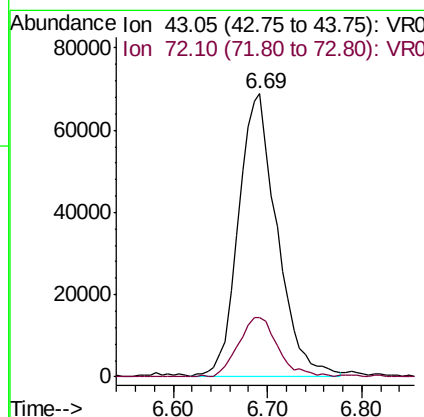
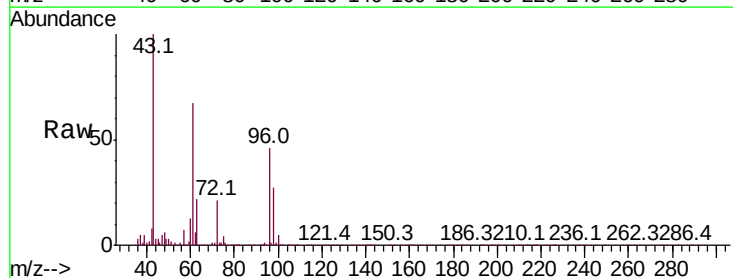
Instrument :
 MSVOA_R
 ClientSampled :

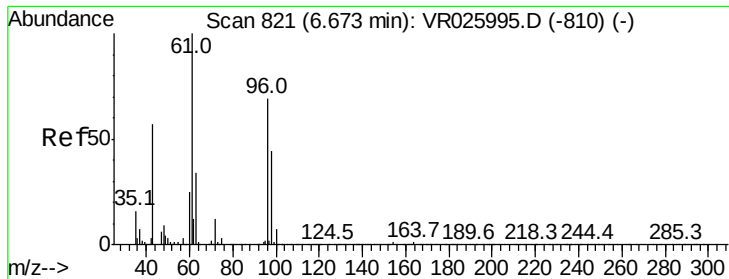
Tot Ion:	63	Resp:	270057
Ion	Ratio	Lower	Upper
63	100		
65	36.3	21.1	39.1
83	12.1	8.9	16.5



#21
 2-Butanone
 Concen: 44.995 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

Tgt Ion:	43	Resp:	194847
Ion	Ratio	Lower	Upper
43	100		
72	21.7	11.9	35.7



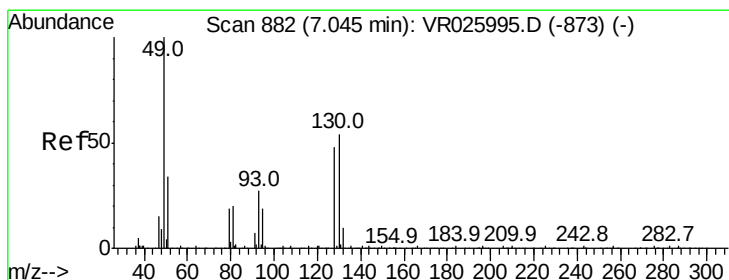
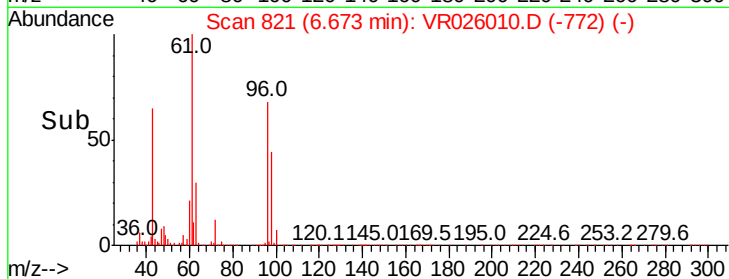
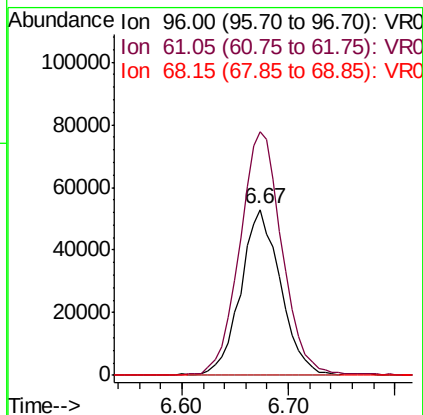
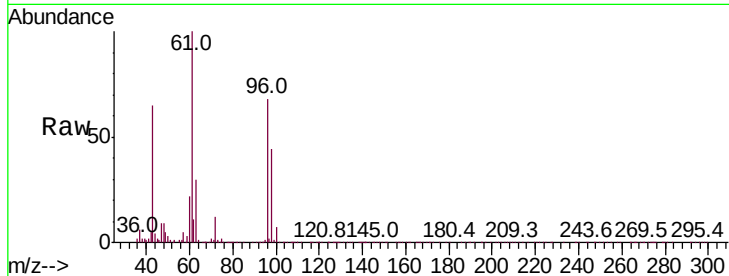


#22

cis-1,2-Dichloroethene
Concen: 4.471 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Instrument :
MSVOA_R
ClientSampled :

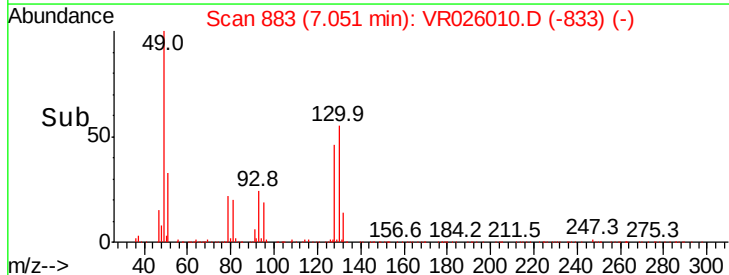
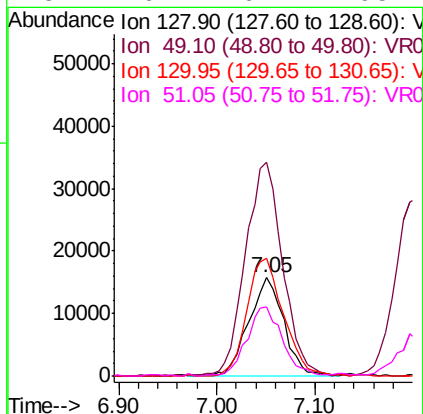
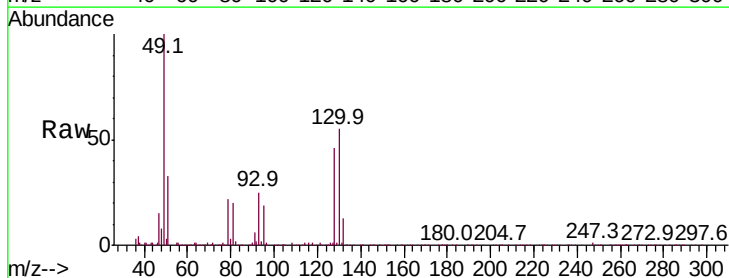
Tot Ion: 96 Resp: 138783
Ion Ratio Lower Upper
96 100
61 146.9 108.7 201.9
68 0.0 0.1 0.1#

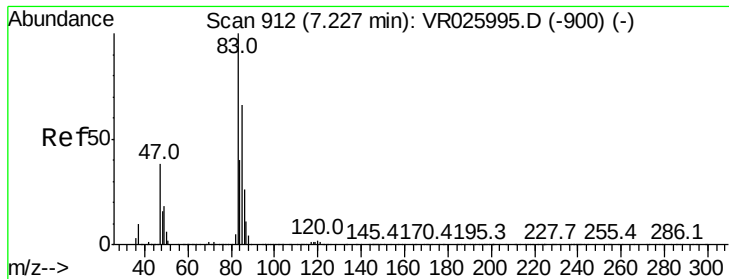


#23

Bromochloromethane
Concen: 4.599 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion: 128 Resp: 38730
Ion Ratio Lower Upper
128 100
49 217.0 175.0 325.0
130 119.2 85.6 159.0
51 70.7 62.2 93.2





#25

Chloroform

Concen: 4.581 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

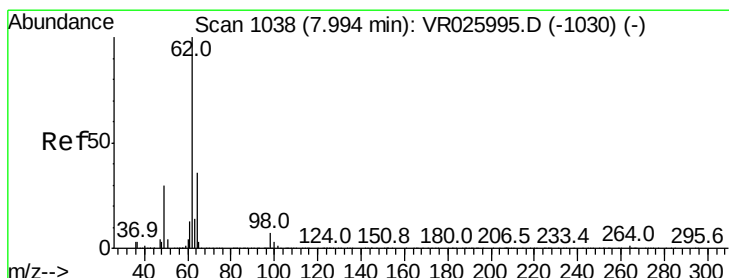
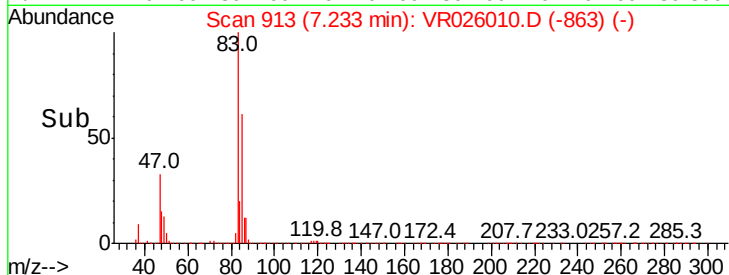
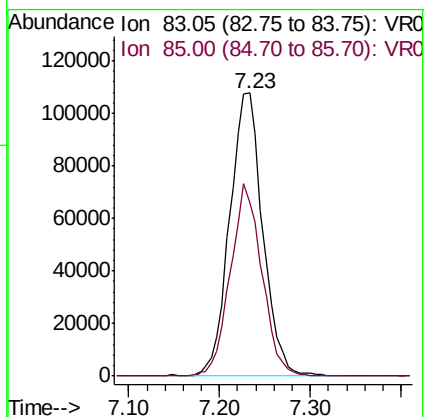
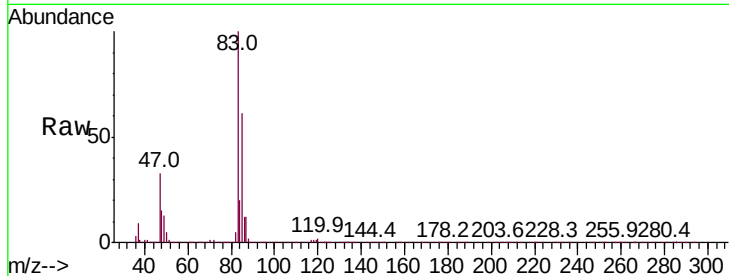
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 272454

Ion Ratio Lower Upper

83 100

85 61.0 43.8 81.4



#27

1,2-Dichloroethane

Concen: 4.580 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026010.D

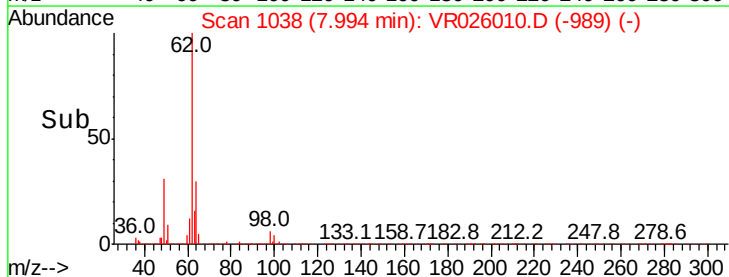
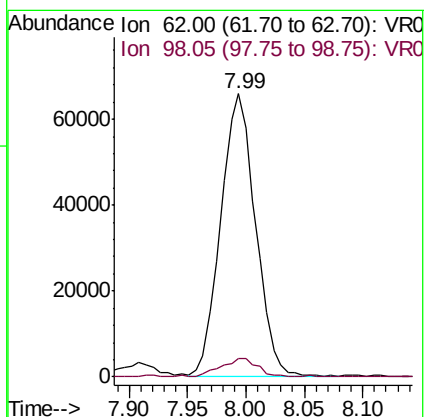
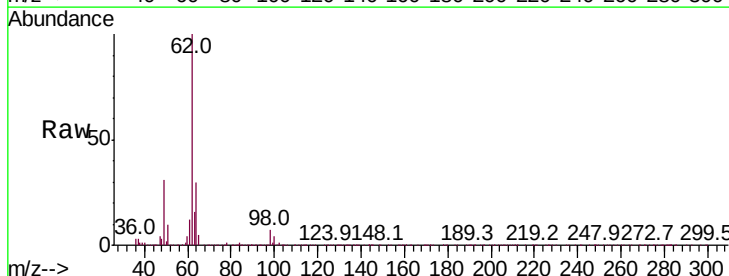
Acq: 9 Oct 2018 11:48

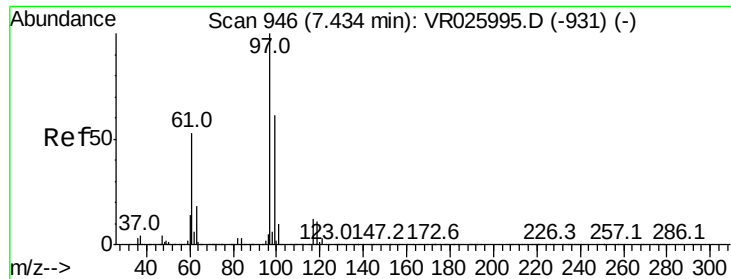
Tgt Ion: 62 Resp: 135917

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8

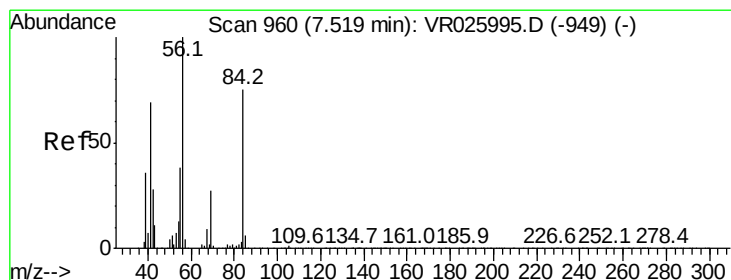
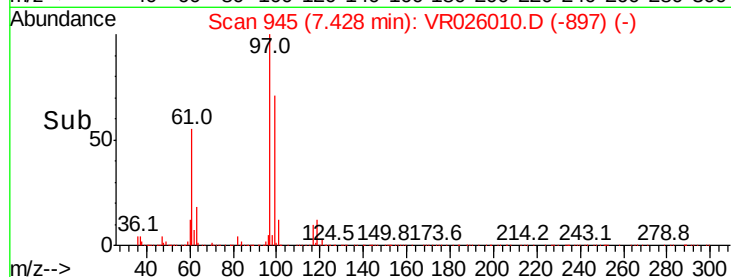
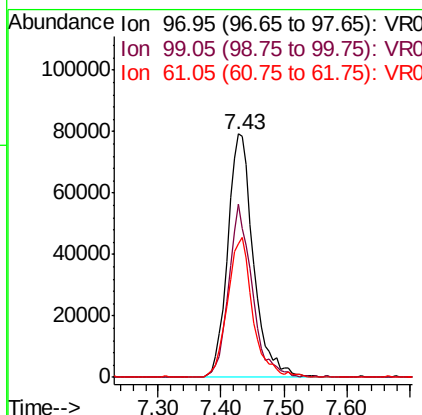
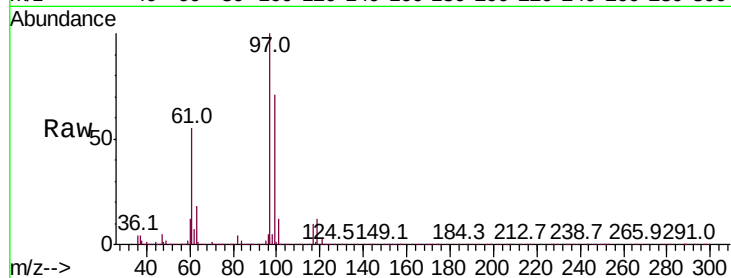




#29
1,1,1-Trichloroethane
Concen: 4.711 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.01 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

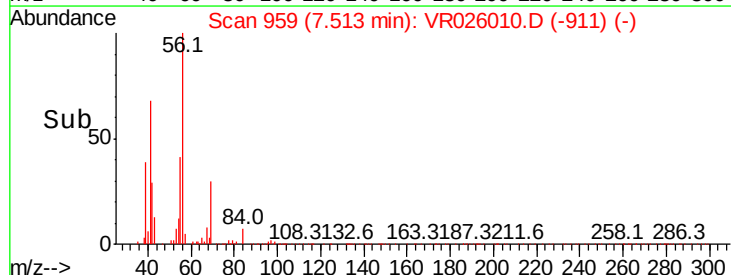
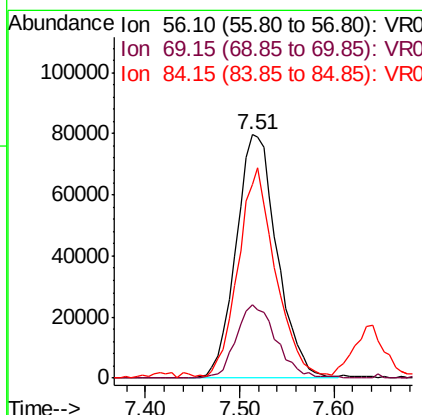
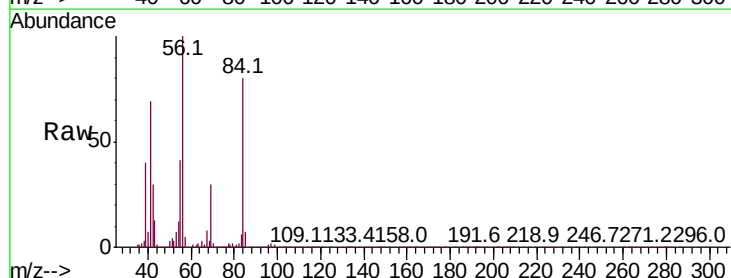
Instrument :
MSVOA_R
ClientSampled :

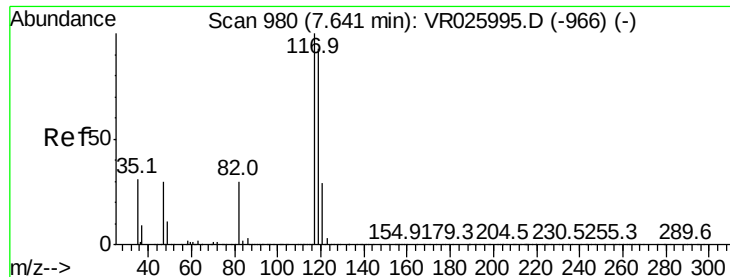
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	56.2	41.6	62.4



#30
Cyclohexane
Concen: 4.059 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.8	37.2
84	79.1	59.8	89.8





#31

Carbon tetrachloride

Concen: 5.090 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

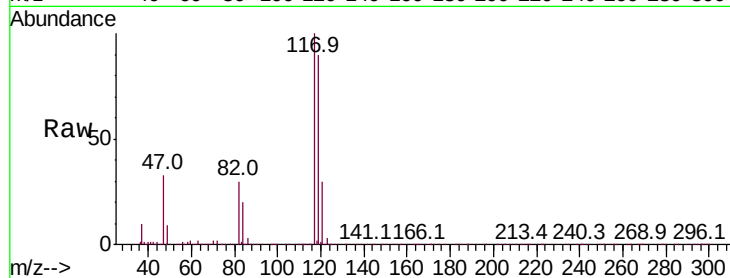
ClientSampleId :

Tot Ion:117 Resp: 210247

Ion Ratio Lower Upper

117 100

119 92.9 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

80000

60000

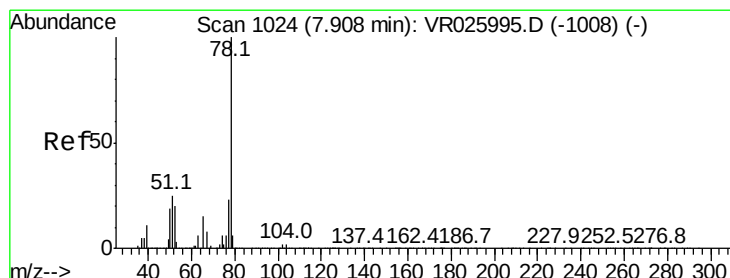
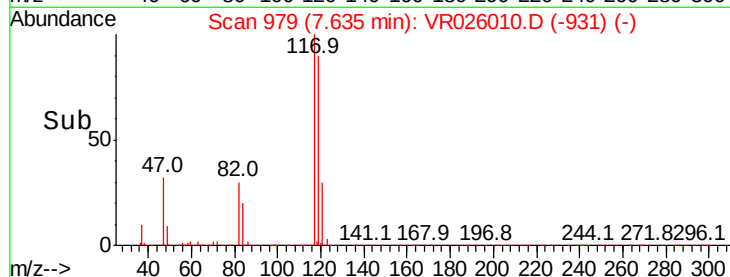
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#33

Benzene

Concen: 4.486 ug/L

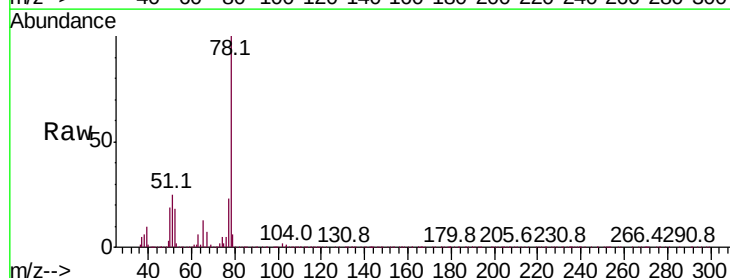
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Tgt Ion: 78 Resp: 638156



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

300000

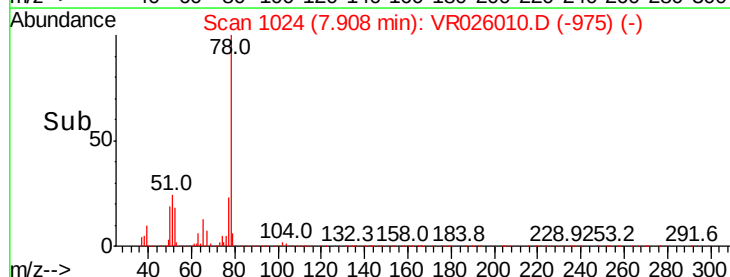
200000

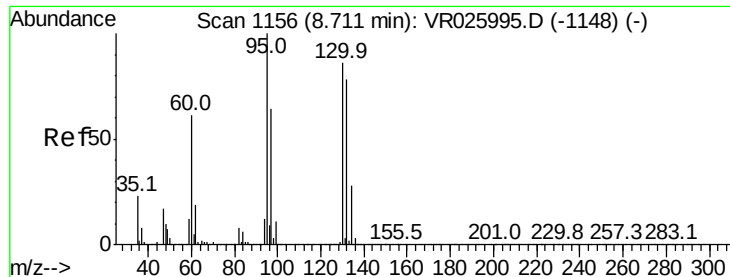
100000

0

7.80 7.90 8.00

Time-->





#34

Trichloroethene

Concen: 4.299 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 161164

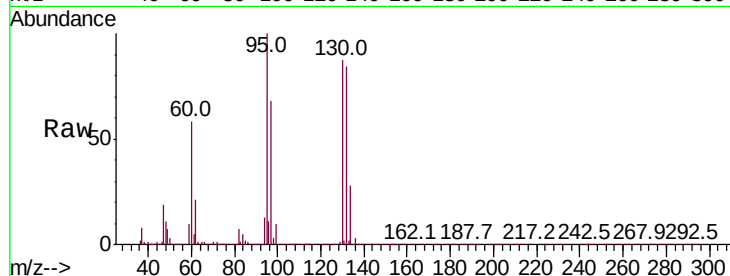
Ion Ratio Lower Upper

95 100

97 67.9 43.9 81.5

132 84.1 53.3 98.9

130 87.0 53.8 99.8

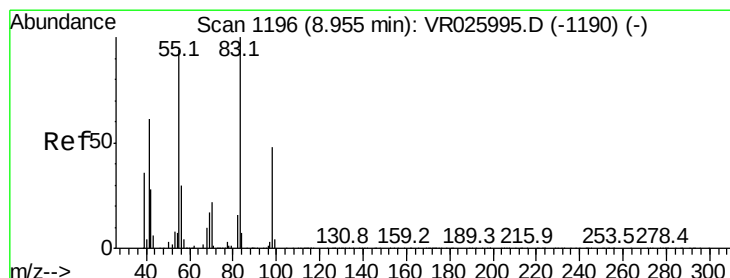
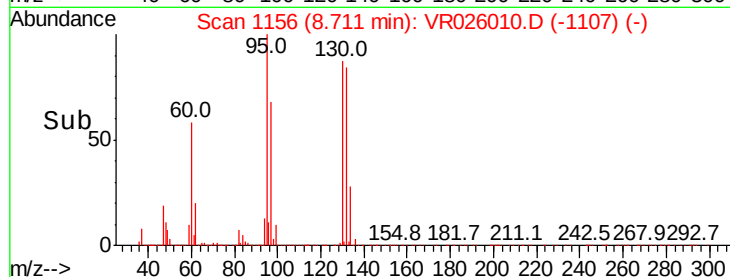
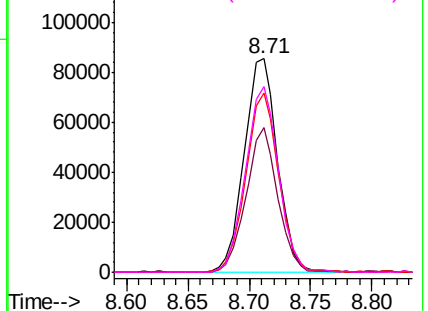


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0



#35

Methylcyclohexane

Concen: 4.431 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

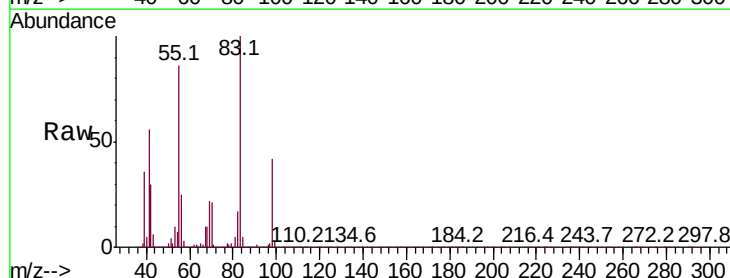
Tgt Ion: 83 Resp: 249725

Ion Ratio Lower Upper

83 100

55 86.7 71.8 107.6

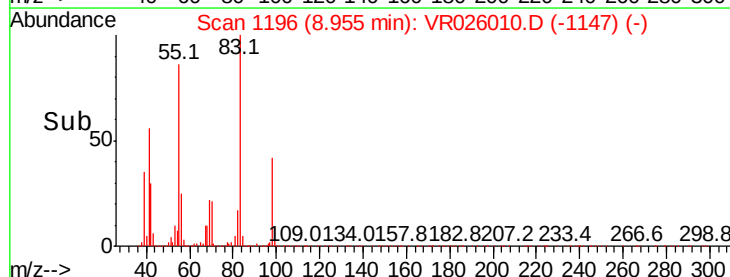
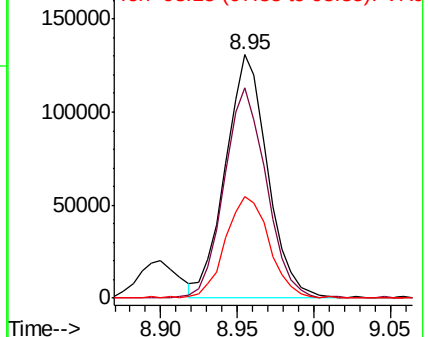
98 42.9 34.2 51.4

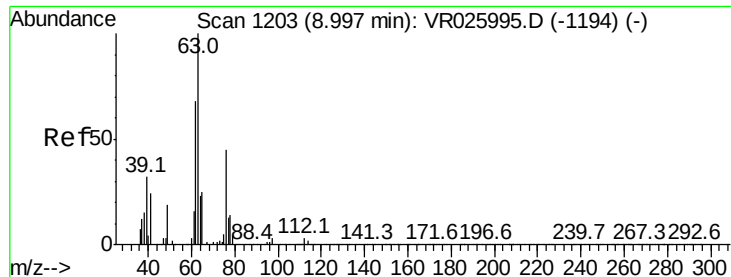


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

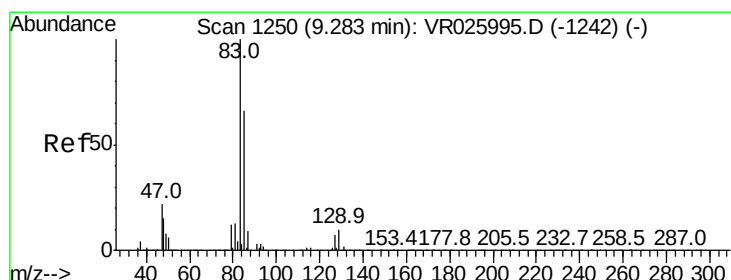
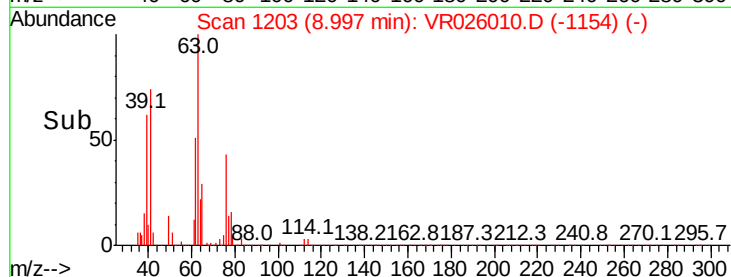
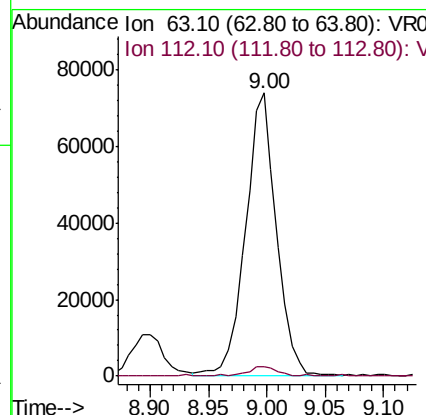
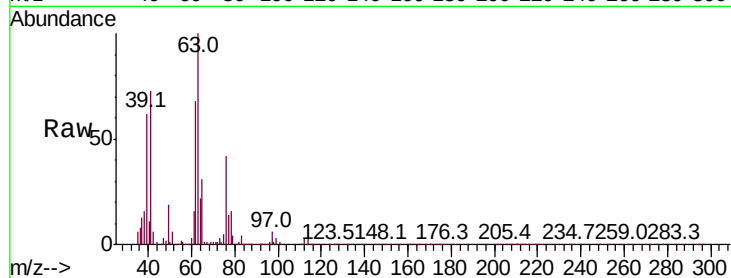




#37
1,2-Dichloropropane
Concen: 4.427 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

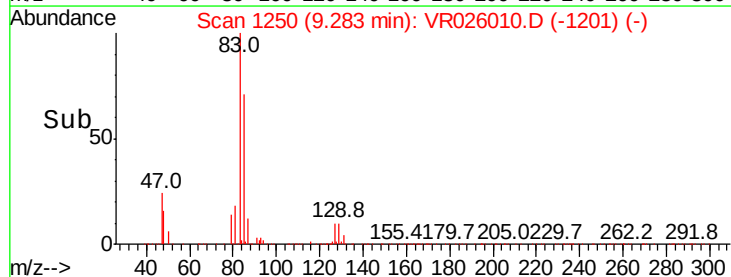
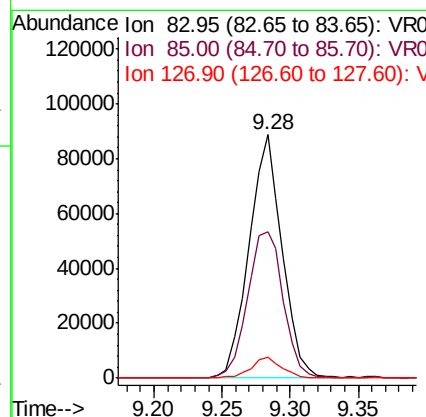
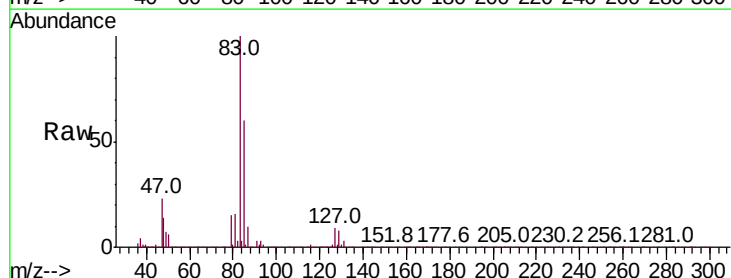
Instrument :
MSVOA_R
ClientSampleId :

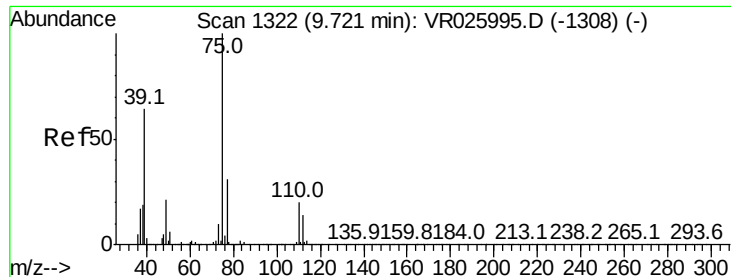
Tot Ion: 63 Resp: 135119
Ion Ratio Lower Upper
63 100
112 3.4 2.5 3.7



#38
Bromodichloromethane
Concen: 4.578 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion: 83 Resp: 150746
Ion Ratio Lower Upper
83 100
85 60.2 42.8 79.4
127 8.5 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 4.723 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

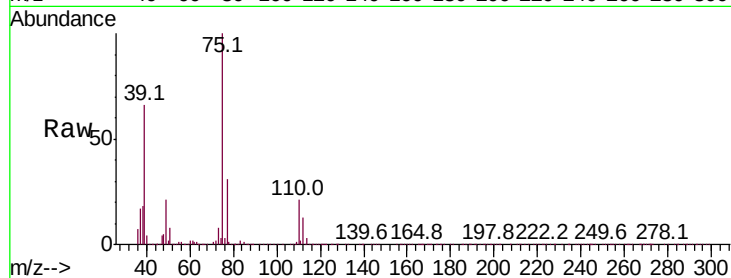
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 75 Resp: 161633

Ion Ratio Lower Upper

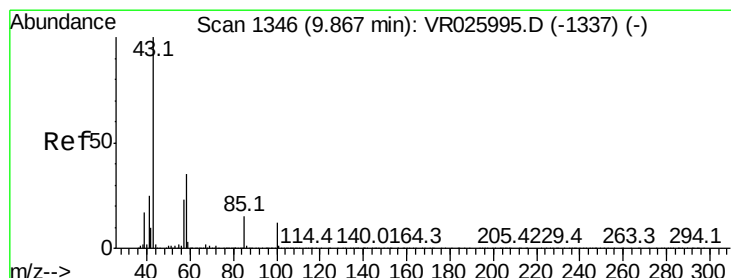
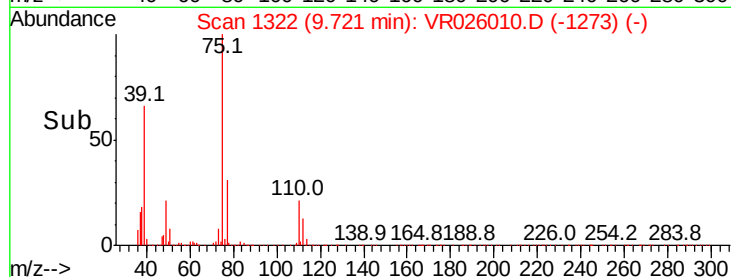
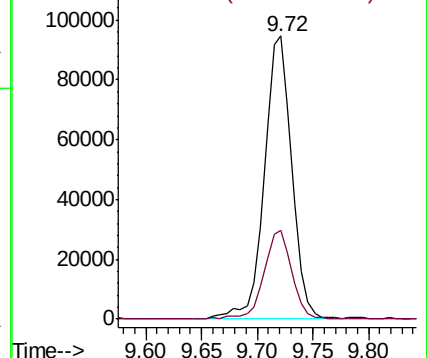
75 100

77 31.2 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 45.475 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

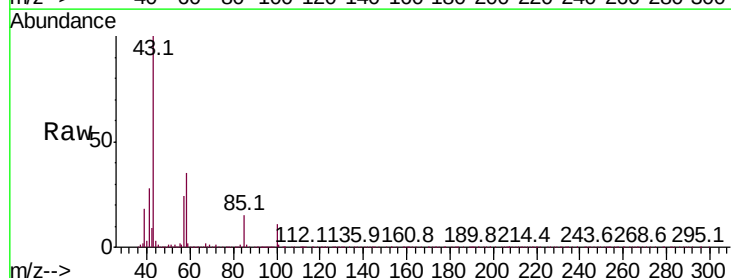
Tgt Ion: 43 Resp: 488018

Ion Ratio Lower Upper

43 100

58 33.8 28.6 43.0

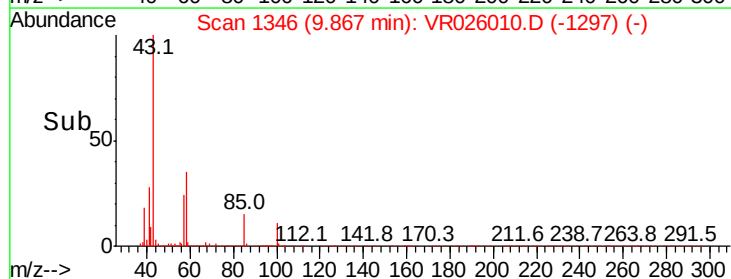
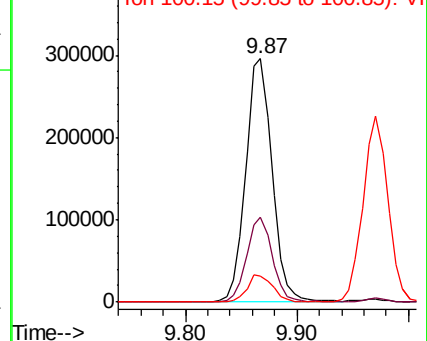
100 11.0 9.0 13.4

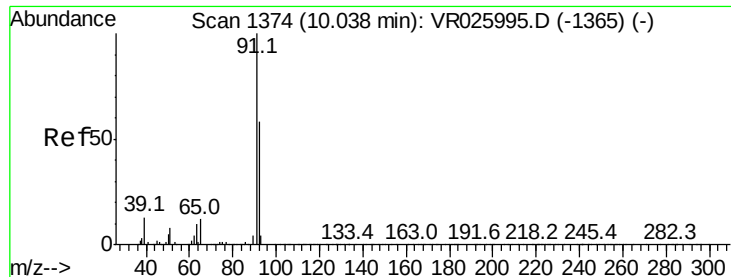


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 4.636 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

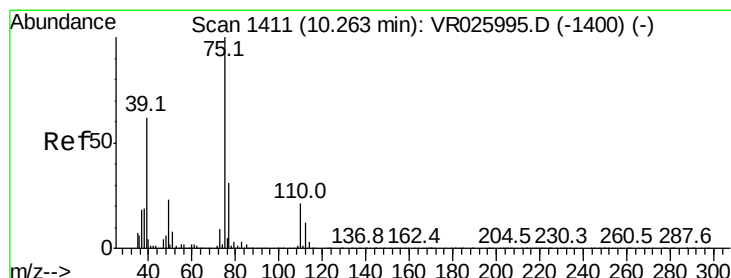
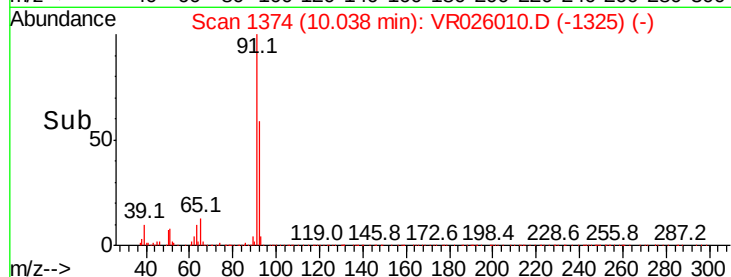
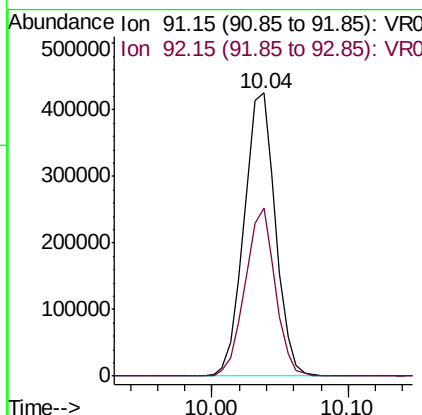
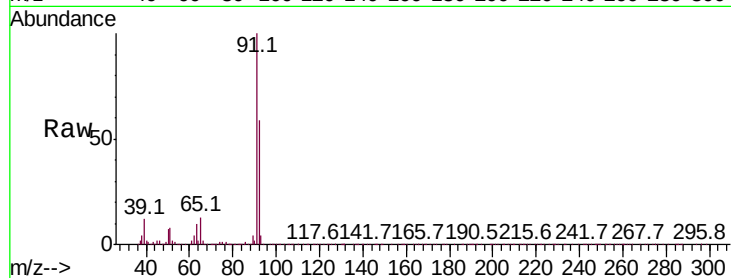
ClientSampled :

Tot Ion: 91 Resp: 685352

Ion Ratio Lower Upper

91 100

92 59.3 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026010.D

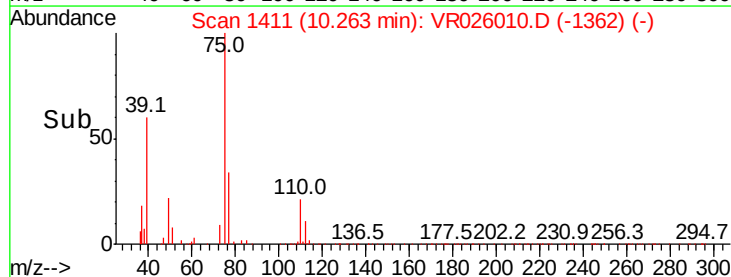
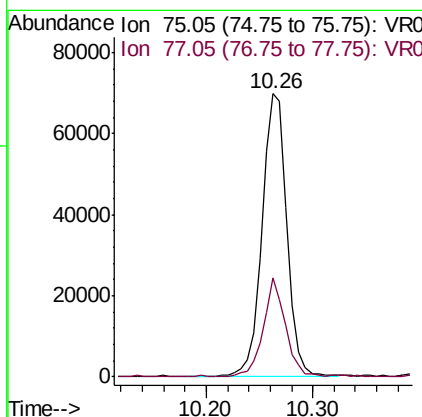
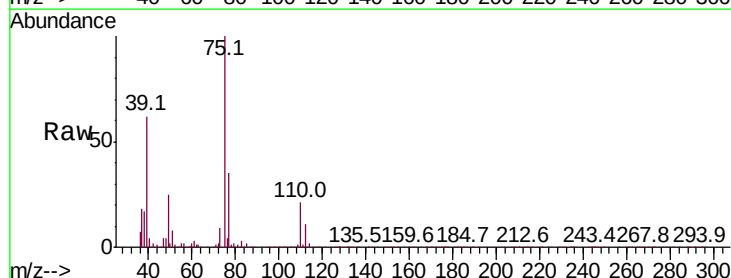
Acq: 9 Oct 2018 11:48

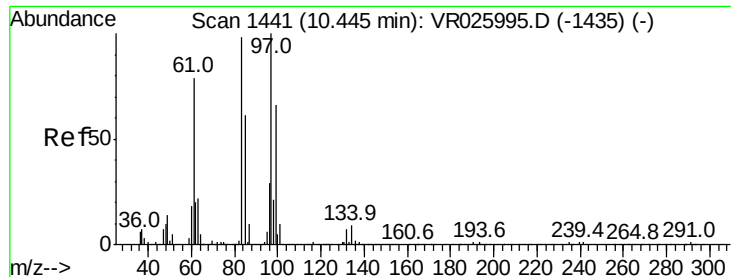
Tgt Ion: 75 Resp: 113958

Ion Ratio Lower Upper

75 100

77 35.0 23.0 42.8

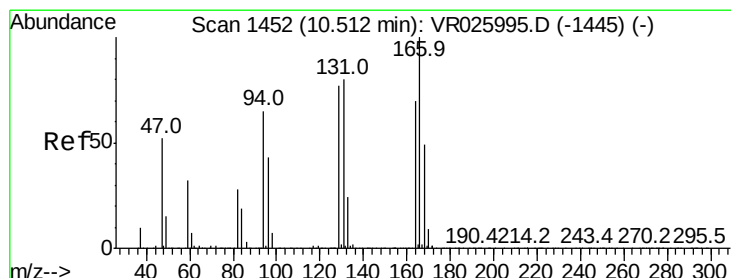
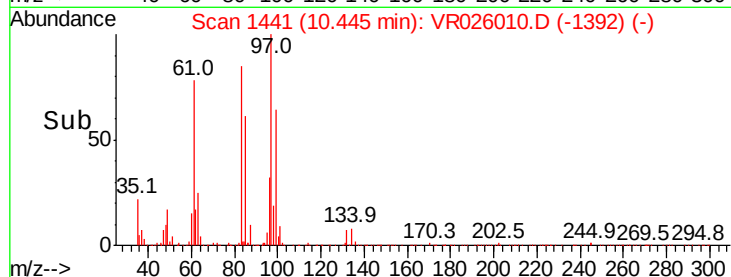
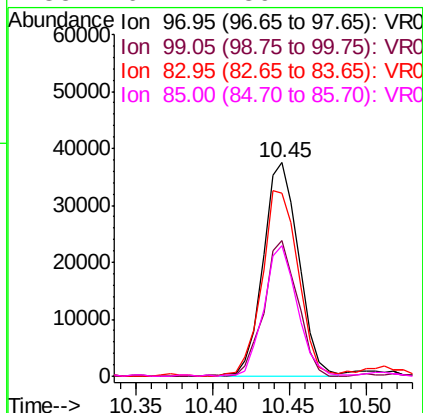
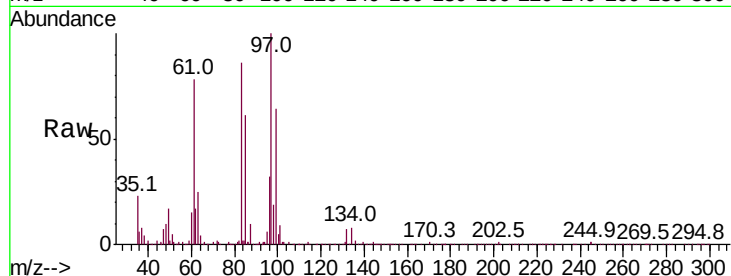




#45
1,1,2-Trichloroethane
Concen: 4.392 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

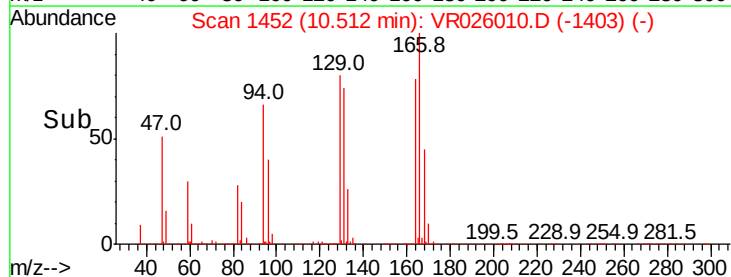
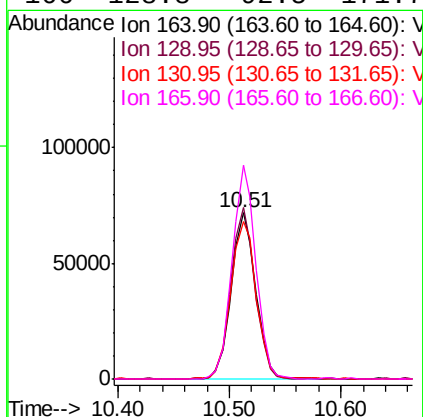
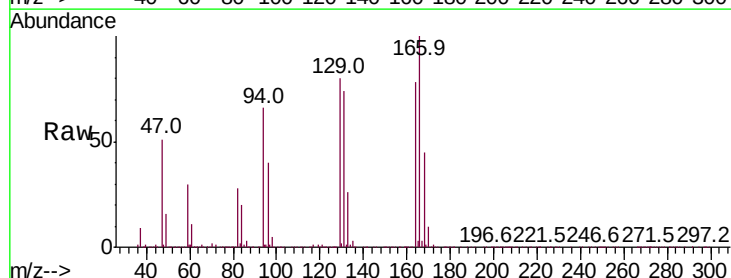
Instrument :
MSVOA_R
ClientSampled :

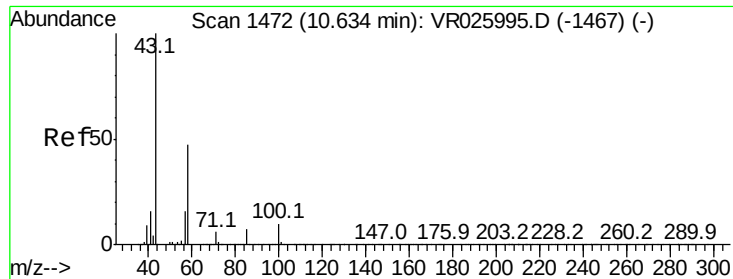
Tot Ion:	97	Resp:	60635
Ion	Ratio	Lower	Upper
97	100		
99	63.7	39.6	73.6
83	85.8	62.2	115.6
85	61.1	39.1	72.7



#47
Tetrachloroethene
Concen: 4.726 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion:	164	Resp:	109157
Ion	Ratio	Lower	Upper
164	100		
129	103.2	80.8	150.2
131	95.2	74.5	138.3
166	128.8	92.5	171.7

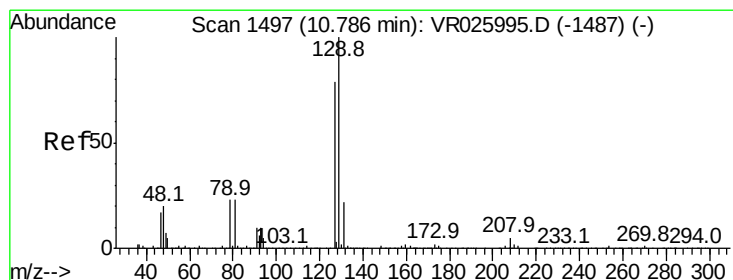
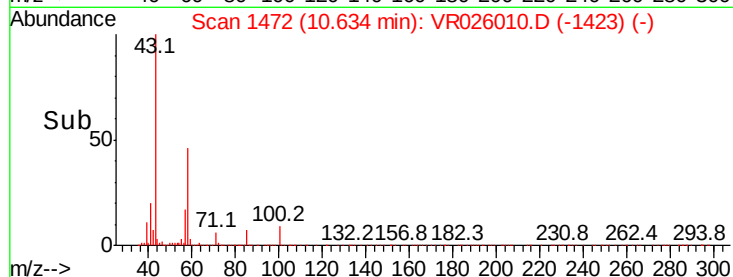
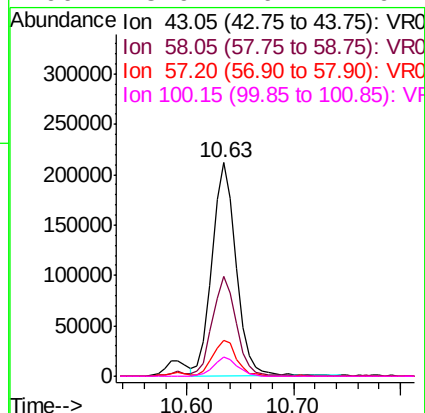
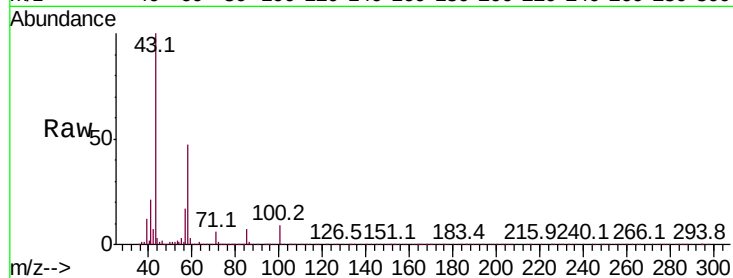




#48
2-Hexanone
Concen: 46.610 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

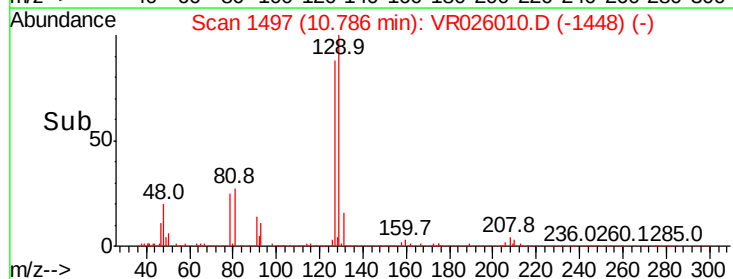
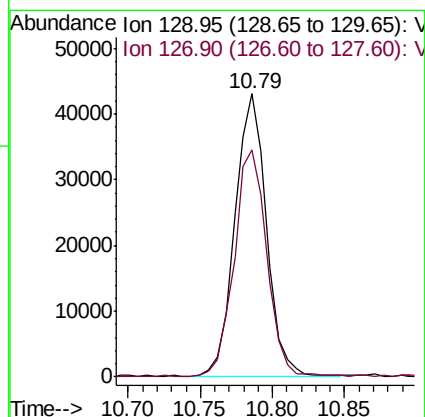
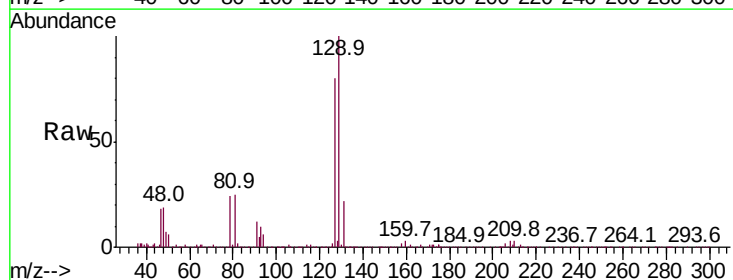
Instrument :
MSVOA_R
ClientSampleId :

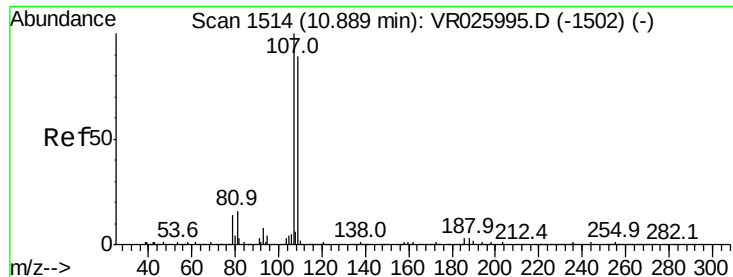
Tot Ion: 43 Resp: 327489
Ion Ratio Lower Upper
43 100
58 46.0 39.5 59.3
57 16.5 14.6 21.8
100 8.9 6.7 10.1



#49
Dibromochloromethane
Concen: 4.681 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion: 129 Resp: 65578
Ion Ratio Lower Upper
129 100
127 80.2 54.1 100.5

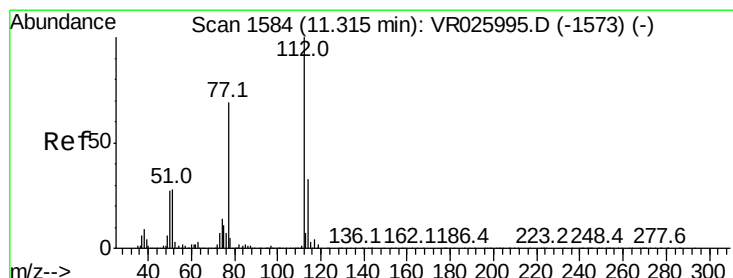
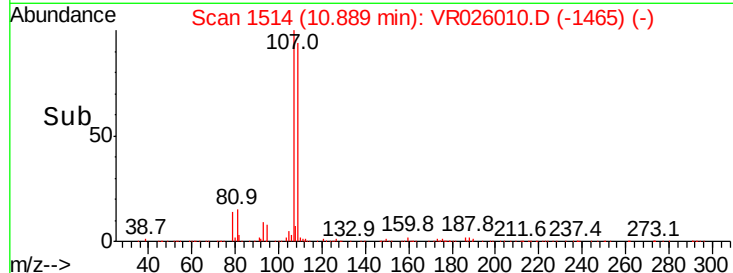
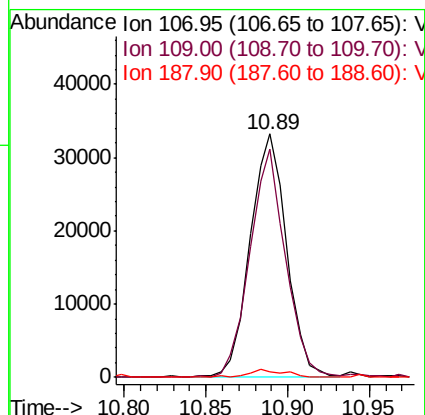
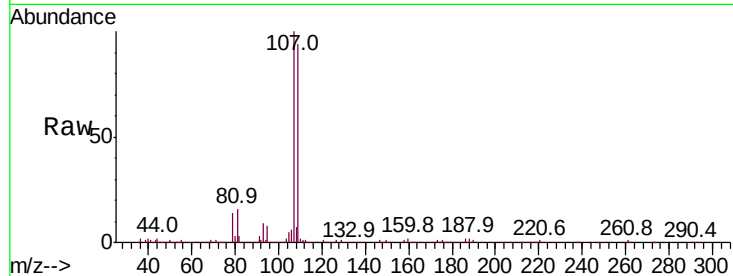




#50
 1,2-Dibromoethane
 Concen: 4.741 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

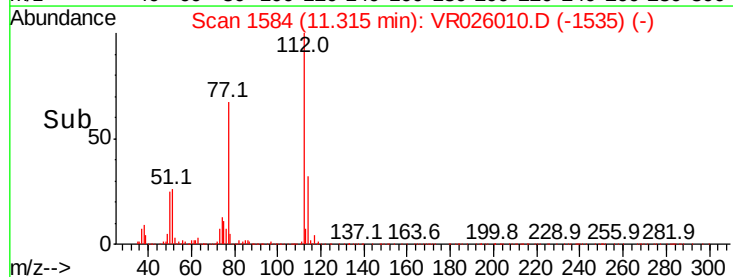
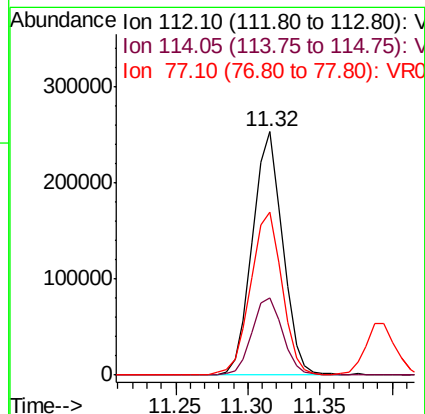
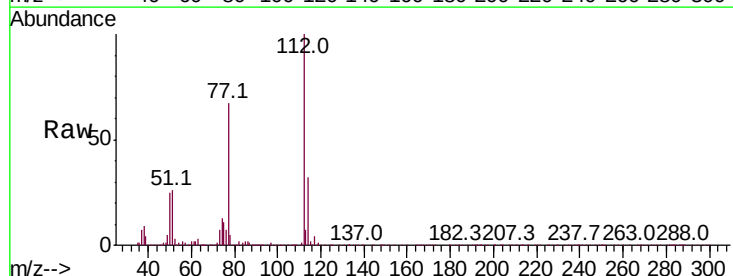
Instrument :
 MSVOA_R
 ClientSampleId :

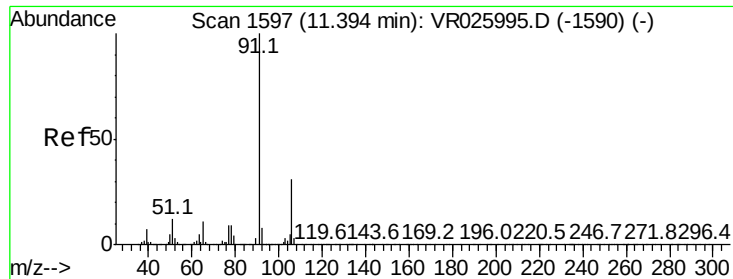
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	63.5	117.9
188	2.5	1.7	2.5



#51
 Chlorobenzene
 Concen: 4.659 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	67.0	58.5	87.7





#52

Ethylbenzene

Concen: 4.828 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

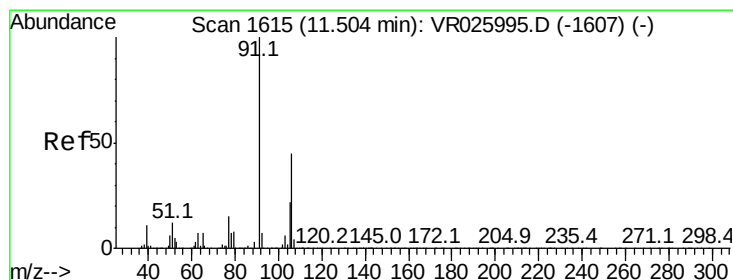
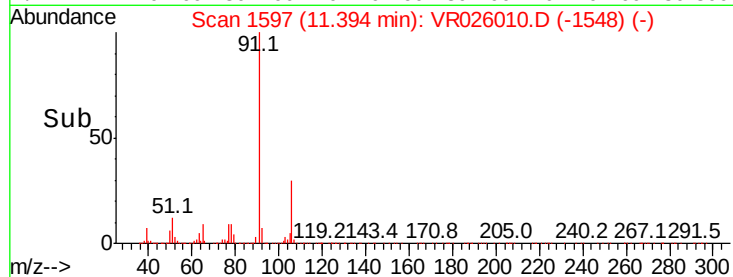
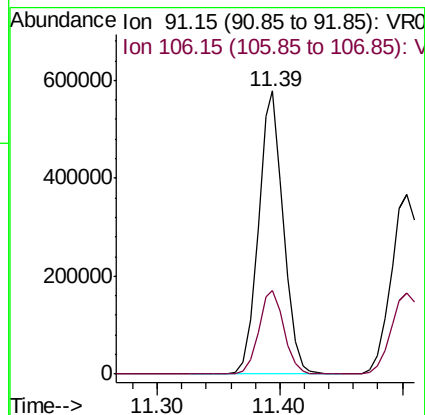
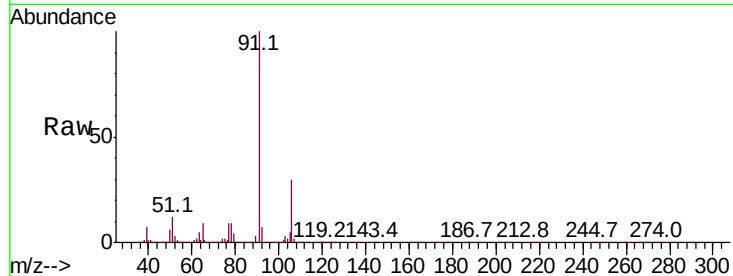
ClientSampleId :

Tot Ion: 91 Resp: 814534

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



#53

m,p-Xylene

Concen: 4.901 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026010.D

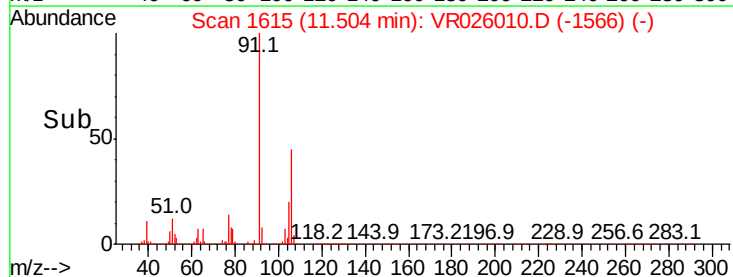
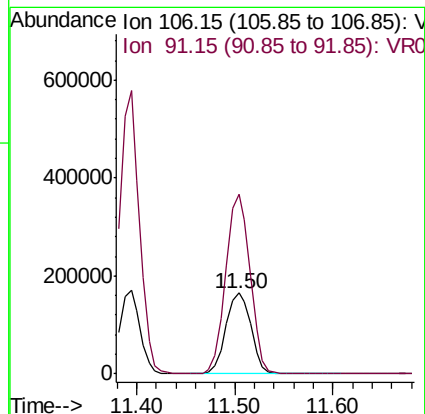
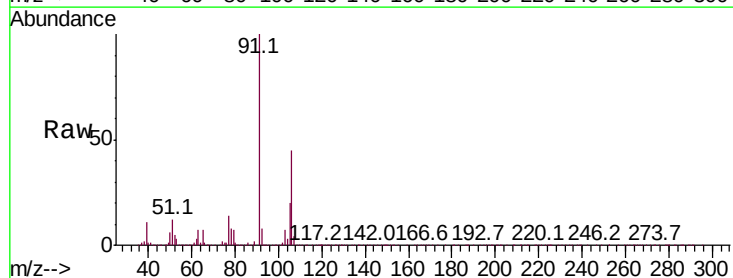
Acq: 9 Oct 2018 11:48

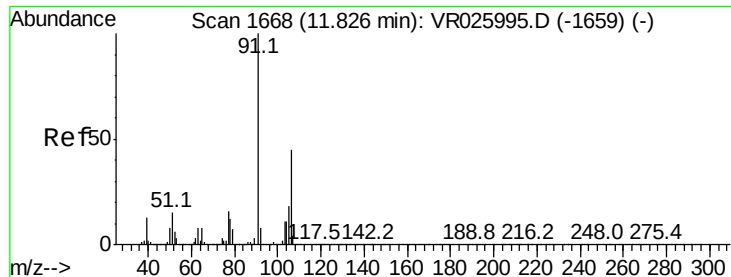
Tgt Ion: 106 Resp: 294403

Ion Ratio Lower Upper

106 100

91 221.4 159.7 296.5

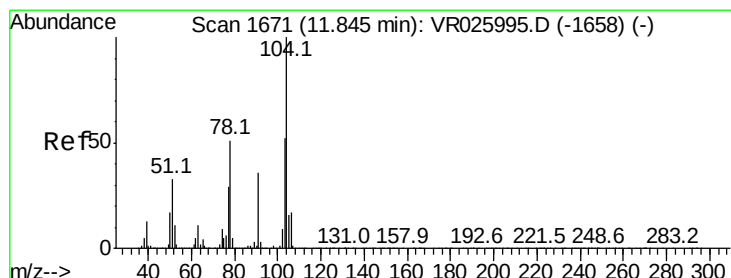
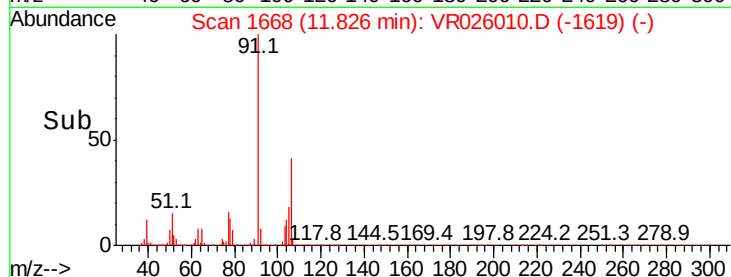
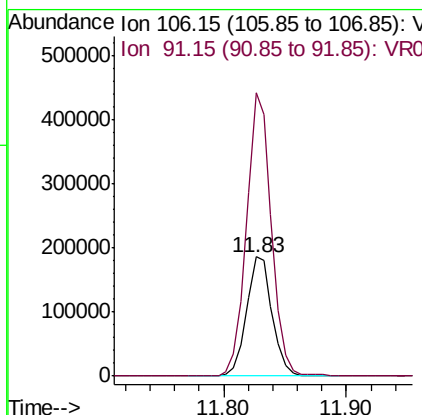
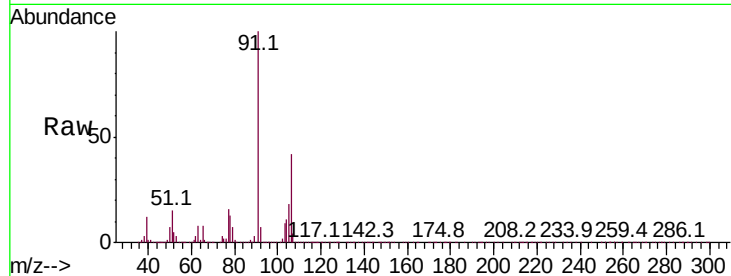




#54
o-Xylene
Concen: 4.813 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

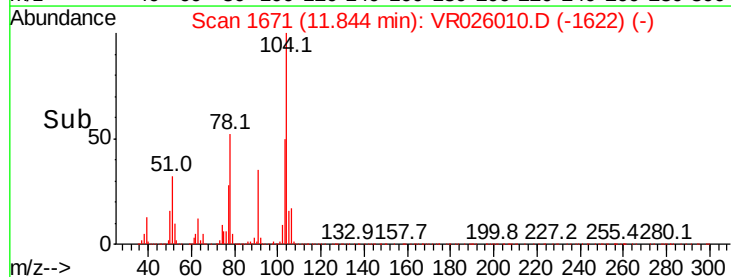
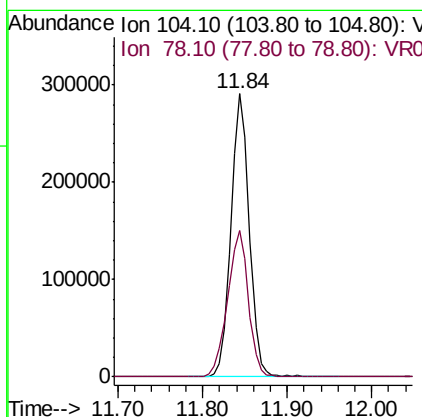
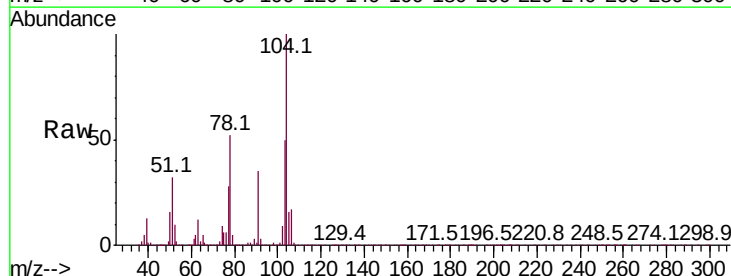
Instrument :
MSVOA_R
ClientSampleId :

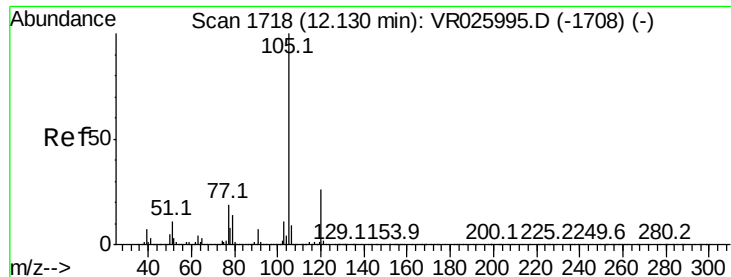
Tot Ion:106 Resp: 269124
Ion Ratio Lower Upper
106 100
91 237.3 164.5 305.5



#55
Styrene
Concen: 4.951 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026010.D
Acq: 9 Oct 2018 11:48

Tgt Ion:104 Resp: 430865
Ion Ratio Lower Upper
104 100
78 51.9 39.3 72.9





#56

Isopropylbenzene

Concen: 5.075 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026010.D

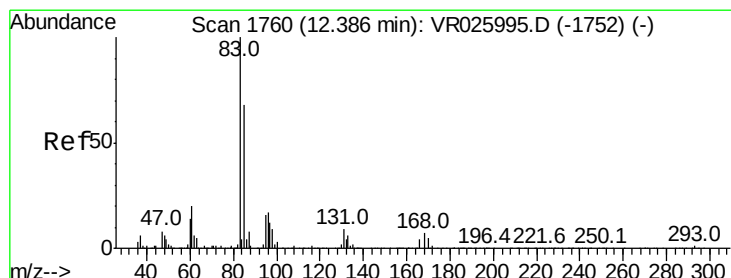
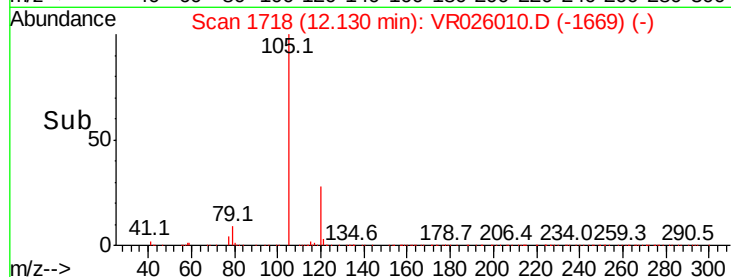
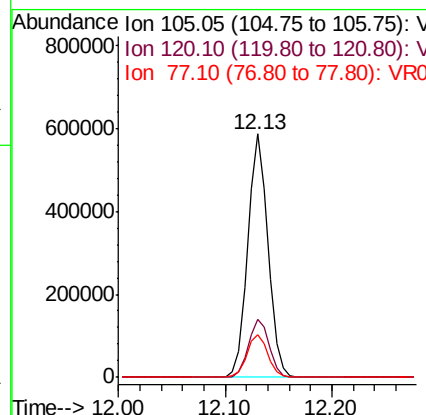
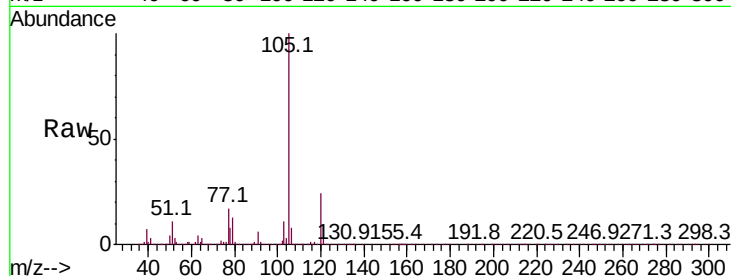
Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	105	Resp:	782703
Ion	Ratio	Lower	Upper
105	100		
120	24.5	19.8	29.8
77	17.9	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.487 ug/L

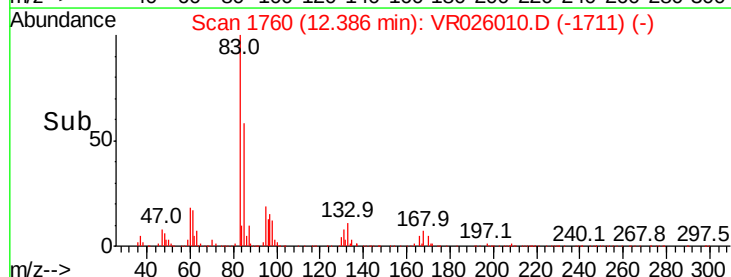
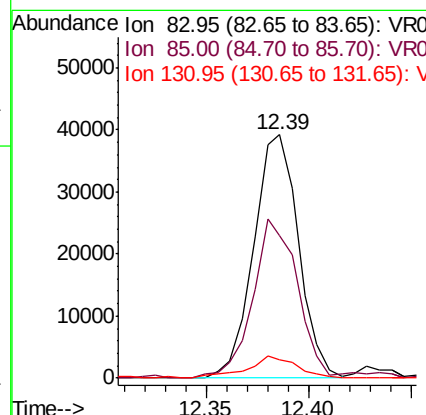
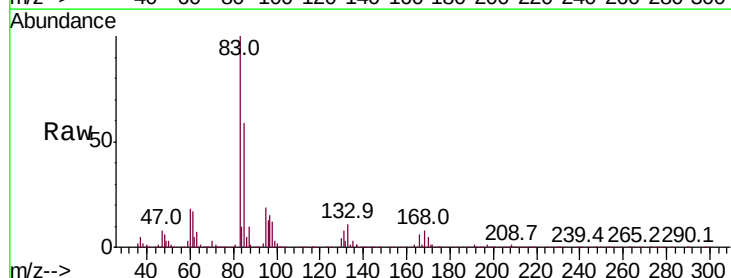
RT: 12.39 min Scan# 1760

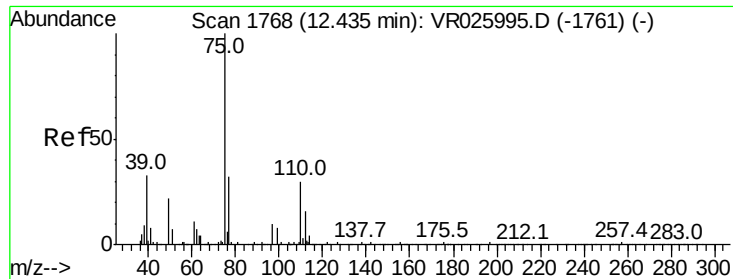
Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Tgt Ion:	83	Resp:	59682
Ion	Ratio	Lower	Upper
83	100		
85	58.6	45.8	85.0
131	7.7	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.581 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

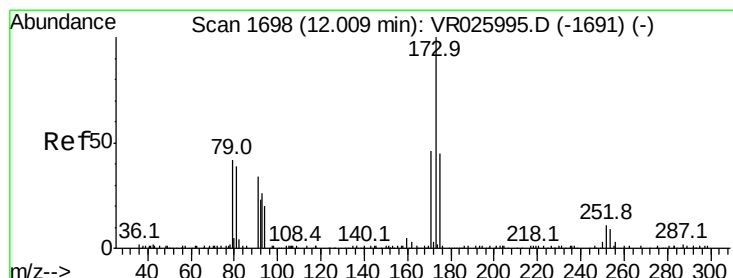
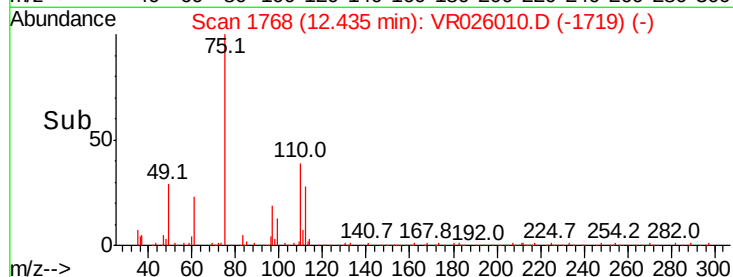
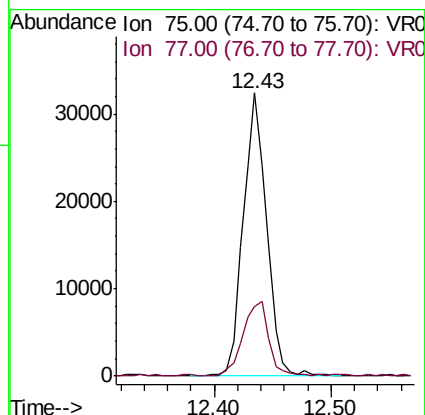
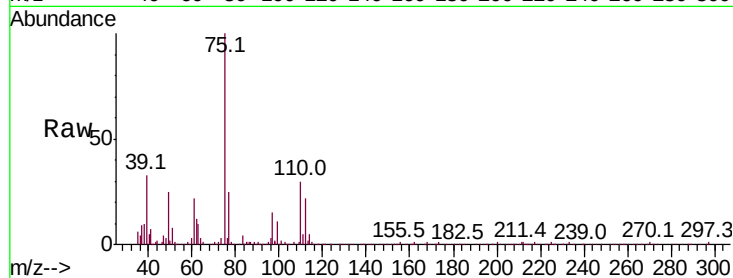
ClientSampled :

Tot Ion: 75 Resp: 45346

Ion Ratio Lower Upper

75 100

77 29.4 25.8 38.6



#61

Bromoform

Concen: 4.795 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

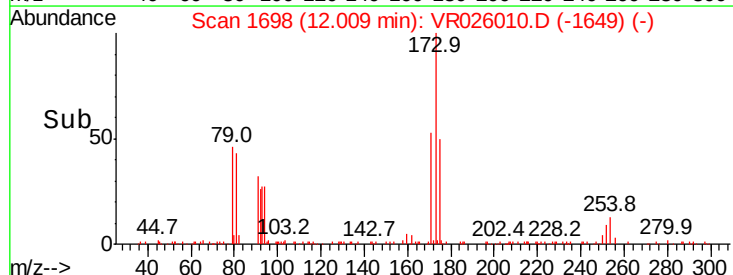
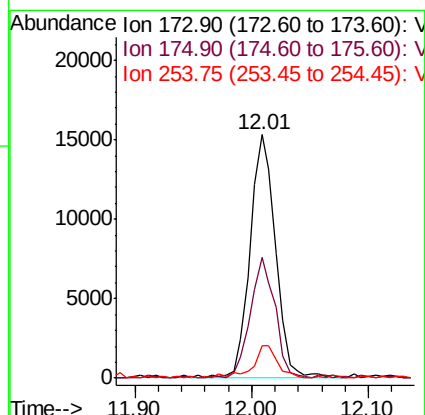
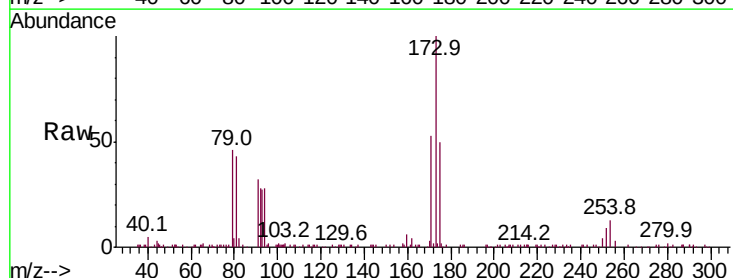
Tgt Ion:173 Resp: 23537

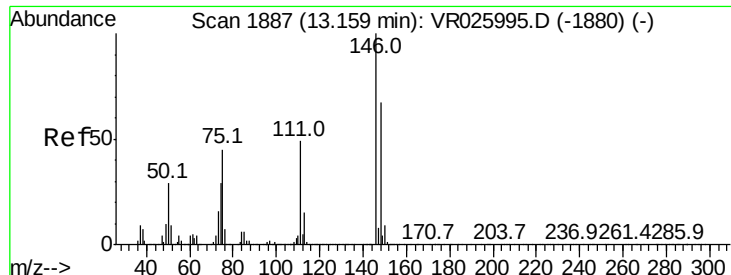
Ion Ratio Lower Upper

173 100

175 47.9 36.9 55.3

254 13.1 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.467 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

ClientSampleId :

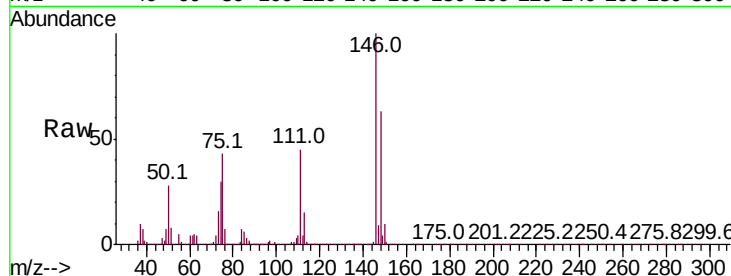
Tot Ion:146 Resp: 211986

Ion Ratio Lower Upper

146 100

111 44.7 36.6 68.0

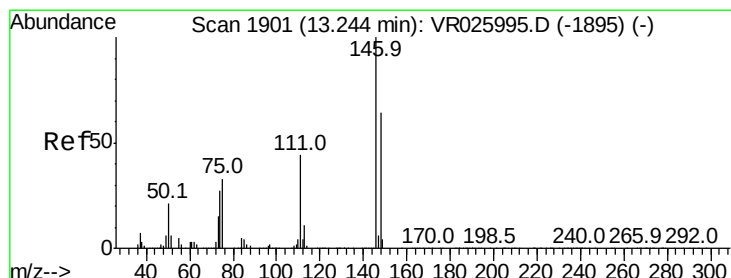
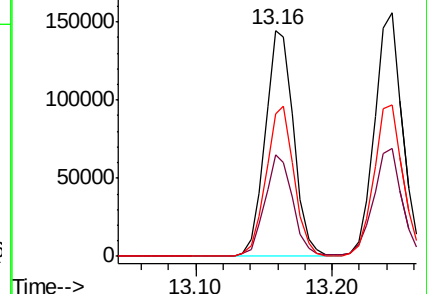
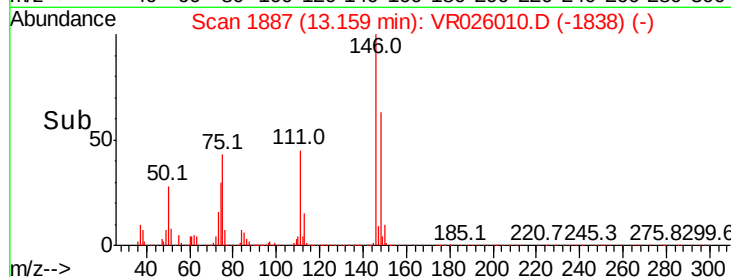
148 63.1 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.511 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

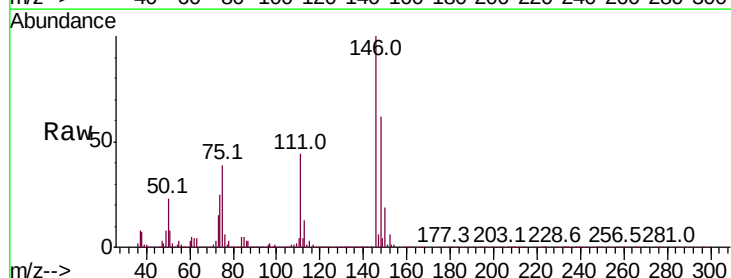
Tgt Ion:146 Resp: 219013

Ion Ratio Lower Upper

146 100

111 44.3 32.9 61.1

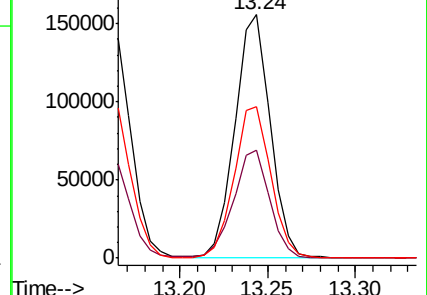
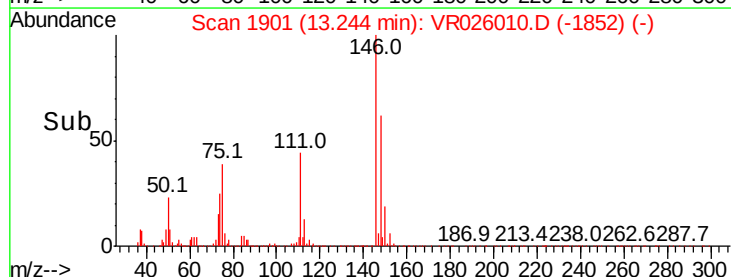
148 62.2 45.5 84.5

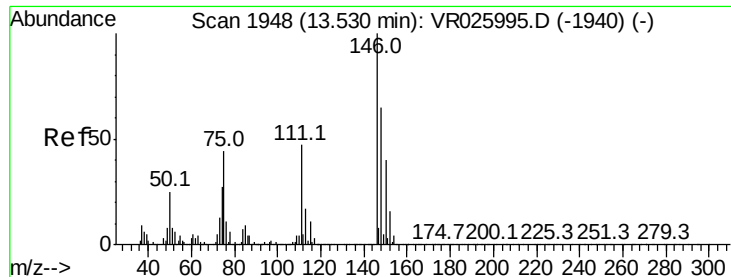


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

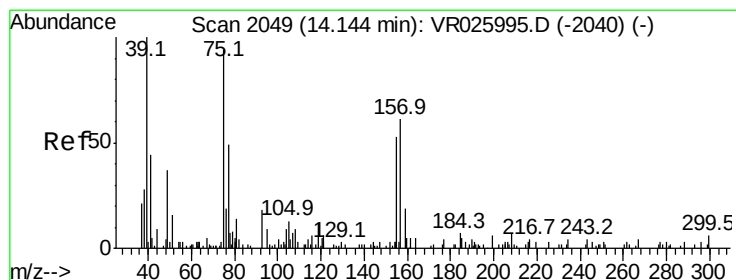
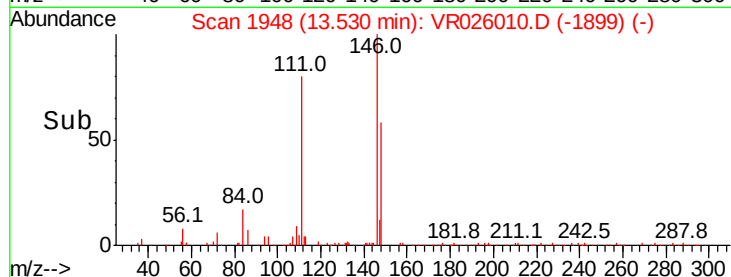
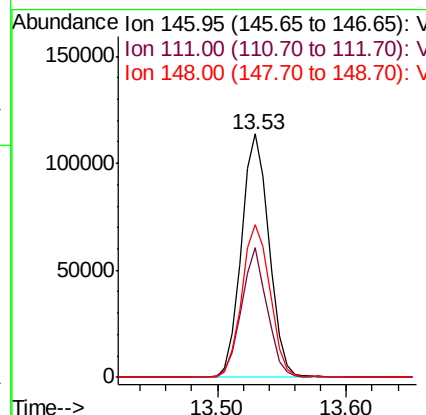
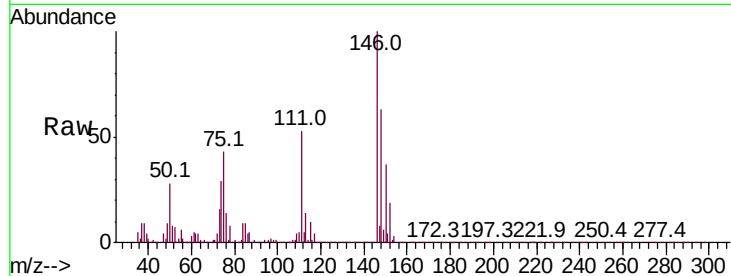




#65
 1,2-Dichlorobenzene
 Concen: 4.426 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

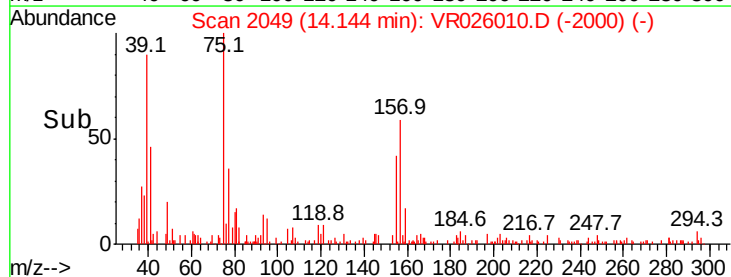
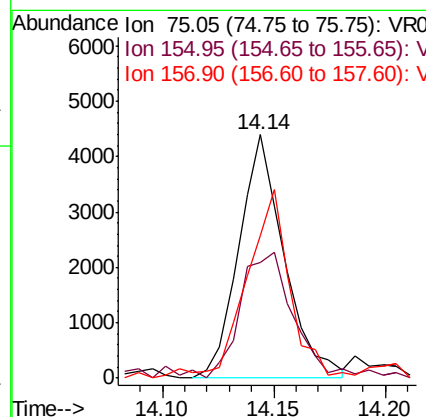
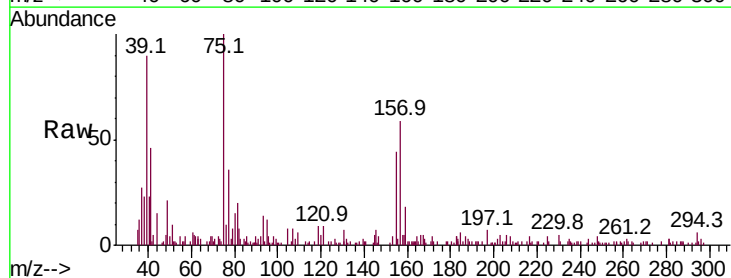
Instrument :
 MSVOA_R
 ClientSampleId :

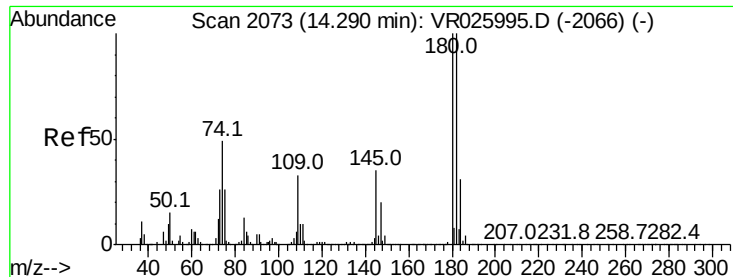
Tot Ion	Ratio	Lower	Upper
146	100		
111	53.0	39.4	59.0
148	62.7	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.881 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.3	37.8	56.6
157	58.6	49.7	74.5

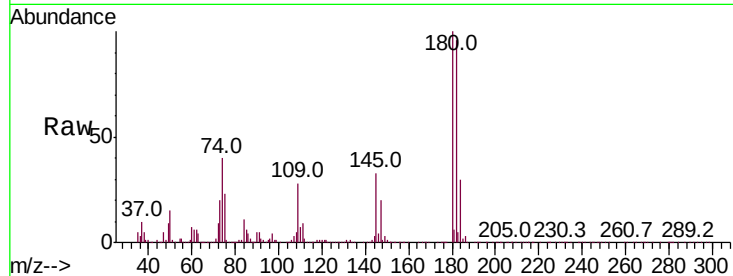




#67
 1,3,5-Trichlorobenzene
 Concen: 4.601 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
184	30.7	24.5	36.7
145	32.4	31.1	46.7



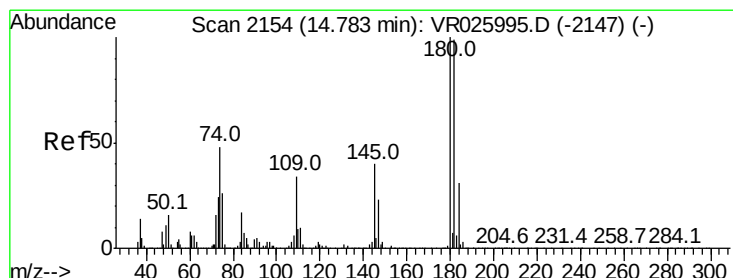
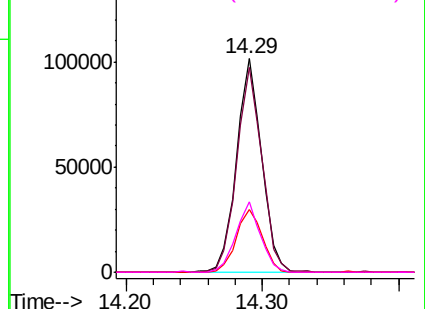
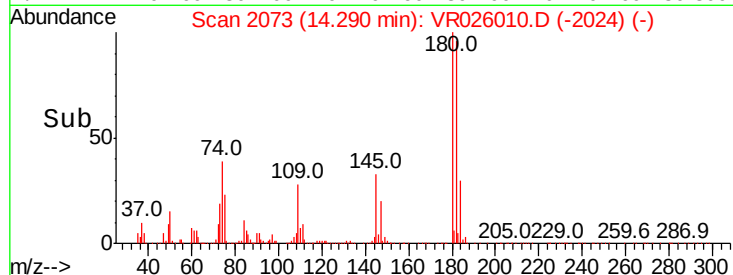
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

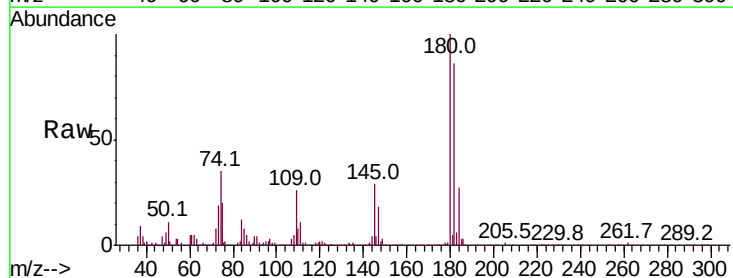
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.255 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026010.D
 Acq: 9 Oct 2018 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	32.3	30.5	45.7

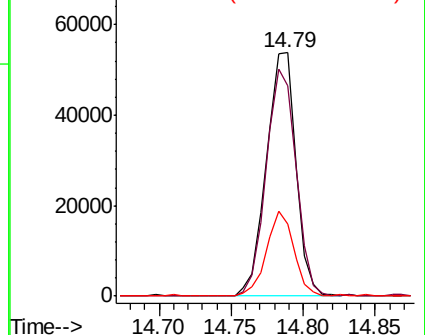
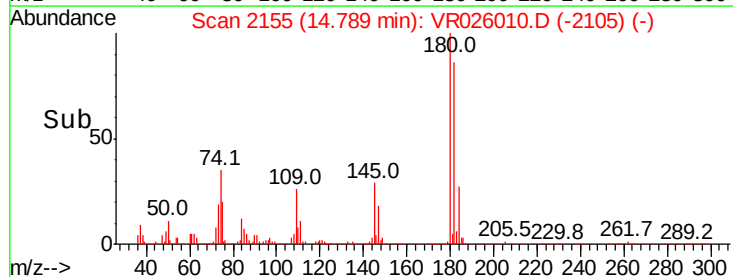


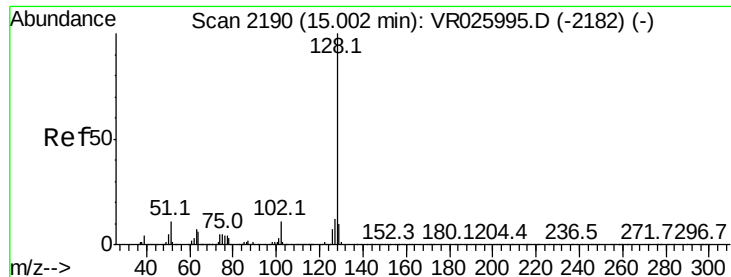
Abundance

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: 3.808 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

Instrument :

MSVOA_R

ClientSampleId :

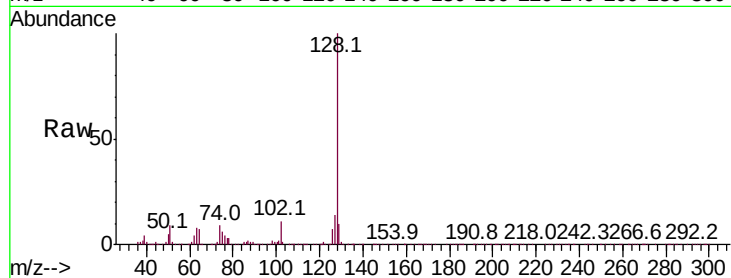
Tot Ion:128 Resp: 87584

Ion Ratio Lower Upper

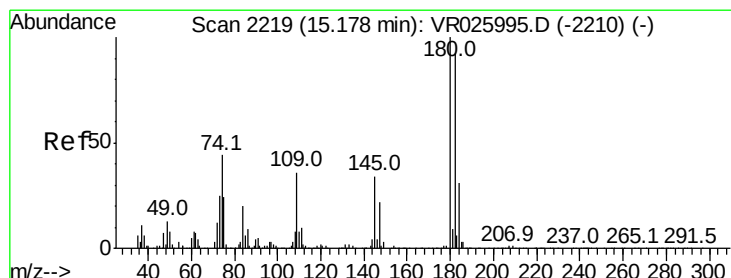
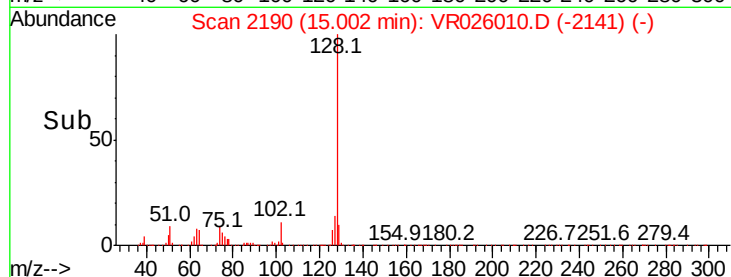
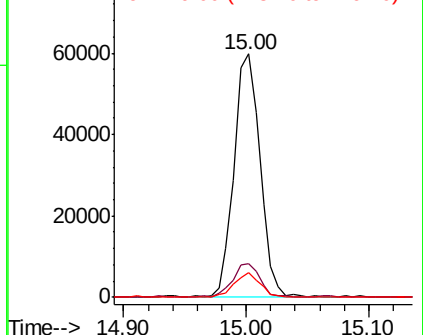
128 100

127 14.8 10.5 15.7

129 10.2 9.4 14.2



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



#70

1,2,3-Trichlorobenzene

Concen: 4.504 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026010.D

Acq: 9 Oct 2018 11:48

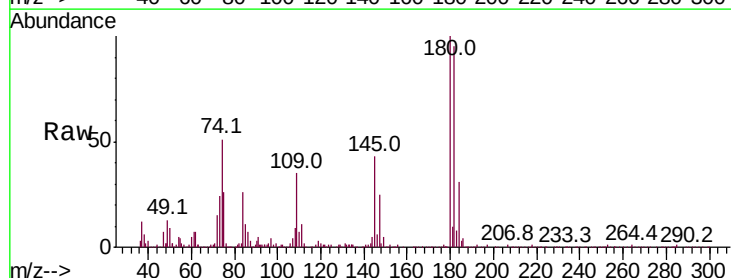
Tgt Ion:180 Resp: 56315

Ion Ratio Lower Upper

180 100

182 91.0 74.7 112.1

145 36.3 31.3 46.9



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

