

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\
 Data File : VR026037.D
 Acq On : 11 Oct 2018 9:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 12 08:05:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 11 04:11:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	511551	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	447923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	175299	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	203463	5.04	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	2.63	69	176435	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	3.64	63	476963	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	6.59	46	208095	46.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.54%
24) Chloroform-d	7.20	84	340185	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	7.90	65	148004	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.86	84	677416	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	8.90	67	181743	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	9.97	98	652875	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	10.24	79	46006	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	10.59	63	174302	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77338	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	128442	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	131088	4.216	ug/L	99
3) Chloromethane	2.02	50	221437	5.008	ug/L	96
5) Vinyl chloride	2.17	62	221060	5.023	ug/L	96
6) Bromomethane	2.53	94	134930	4.911	ug/L	94
8) Chloroethane	2.67	64	138228	5.521	ug/L	95
9) Trichlorofluoromethane	2.93	101	98595	1.614	ug/L #	15
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	213926	5.728	ug/L	95
12) 1,1-Dichloroethene	3.66	96	206260	5.341	ug/L	81
13) Acetone	3.70	43	191741	58.825	ug/L	96
14) Carbon disulfide	3.97	76	411458	4.401	ug/L	99
15) Methyl Acetate	4.19	43	49704	5.500	ug/L	96
16) Methylene chloride	4.40	84	143986	4.055	ug/L	89
17) Methyl tert-butyl Ether	4.90	73	218893	5.119	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	150501	4.712	ug/L	92
19) 1,1-Dichloroethane	5.69	63	313428	4.957	ug/L	98
21) 2-Butanone	6.69	43	225222	50.236	ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	155989	4.854	ug/L	96

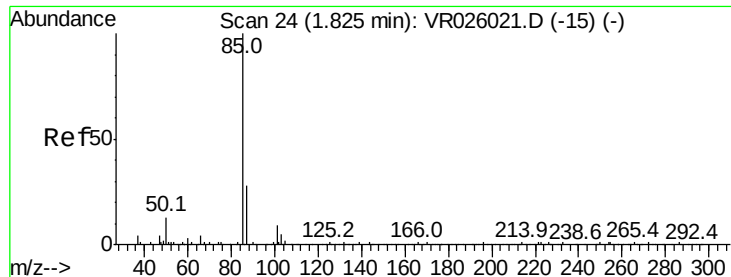
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\
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 QLast Update : Thu Oct 11 04:11:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	43540	4.994	ug/L	91
25) Chloroform	7.23	83	315816	5.129	ug/L	93
27) 1,2-Dichloroethane	7.99	62	158158	5.147	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	259739	5.157	ug/L	97
30) Cyclohexane	7.52	56	264426	4.201	ug/L	96
31) Carbon tetrachloride	7.64	117	239942	5.501	ug/L	100
33) Benzene	7.91	78	711761	4.738	ug/L	100
34) Trichloroethene	8.71	95	181400	4.582	ug/L	87
35) Methylcyclohexane	8.95	83	270078	4.537	ug/L	97
37) 1,2-Dichloropropane	8.99	63	155576	4.827	ug/L #	98
38) Bromodichloromethane	9.28	83	180195	5.182	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	193065	5.342	ug/L	95
40) 4-Methyl-2-pentanone	9.87	43	580909	51.258	ug/L	98
42) Toluene	10.04	91	783452	5.018	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	136611	5.790	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	72414	4.967	ug/L	97
47) Tetrachloroethene	10.51	164	125729	5.154	ug/L	89
48) 2-Hexanone	10.63	43	387645	52.242	ug/L	99
49) Dibromochloromethane	10.79	129	80842	5.464	ug/L	99
50) 1,2-Dibromoethane	10.89	107	58256	5.064	ug/L #	96
51) Chlorobenzene	11.32	112	430031	5.193	ug/L	94
52) Ethylbenzene	11.39	91	916419	5.143	ug/L	99
53) m,p-Xylene	11.50	106	335383	5.287	ug/L	93
54) o-Xylene	11.83	106	310558	5.259	ug/L	93
55) Styrene	11.84	104	495550	5.392	ug/L	91
56) Isopropylbenzene	12.13	105	893567	5.487	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	72121	5.134	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	53498	5.117	ug/L	98
61) Bromoform	12.01	173	28431	5.365	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	252158	4.922	ug/L	90
63) 1,4-Dichlorobenzene	13.24	146	268321	5.120	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	211518	5.138	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.14	75	8740	5.049	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	158086	5.180	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	97568	5.015	ug/L	97
69) Naphthalene	15.00	128	112232	4.520	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	70484	5.222	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.216 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

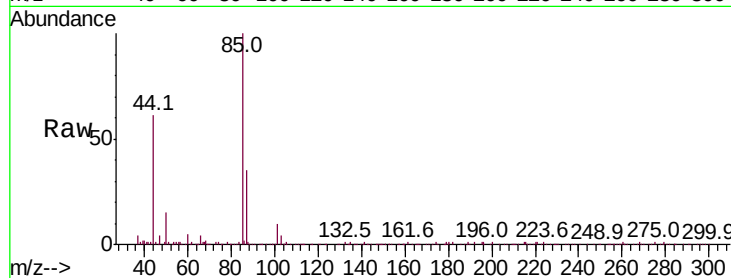
ClientSampleId :

Tot Ion: 85 Resp: 131088

Ion Ratio Lower Upper

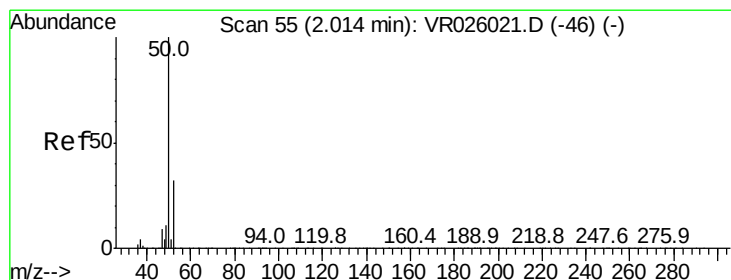
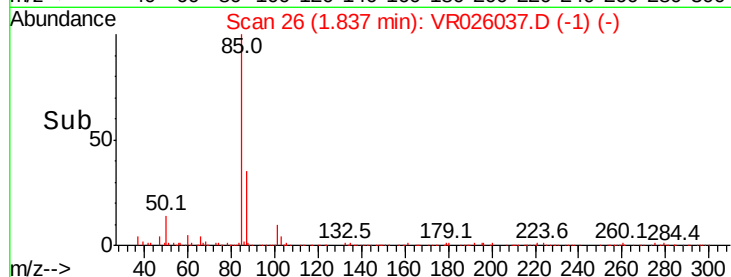
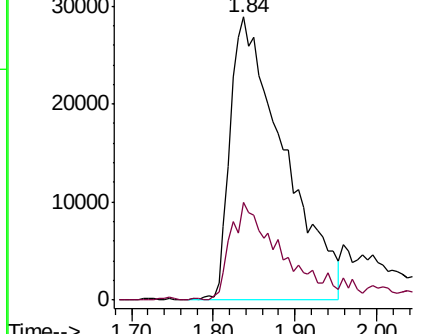
85 100

87 31.0 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 5.008 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026037.D

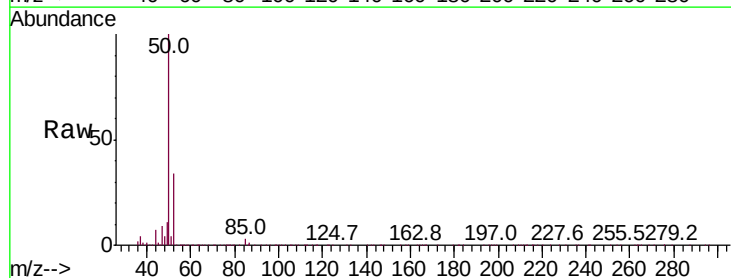
Acq: 11 Oct 2018 9:48

Tgt Ion: 50 Resp: 221437

Ion Ratio Lower Upper

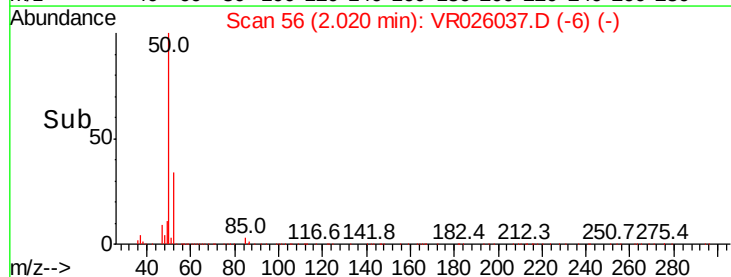
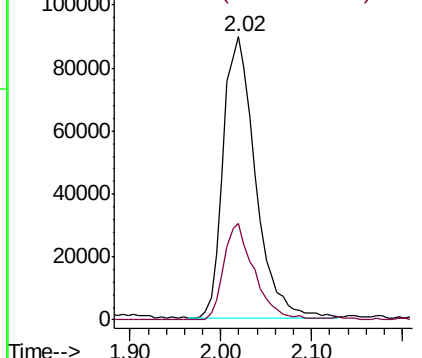
50 100

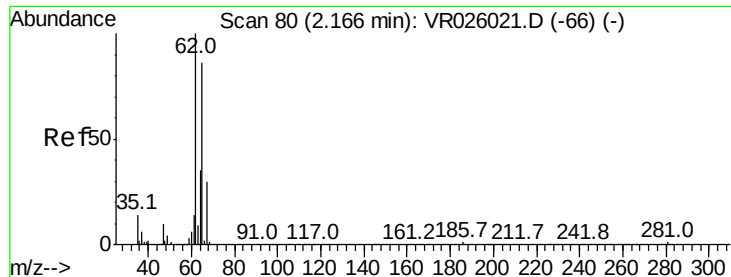
52 33.9 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.023 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

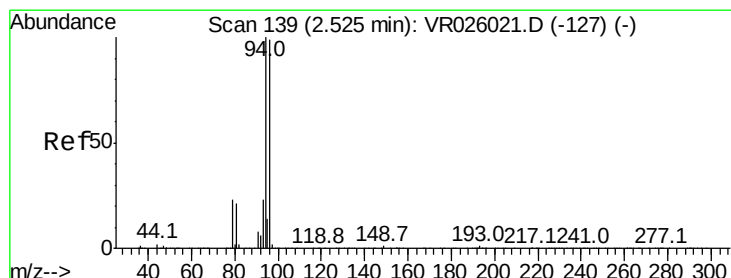
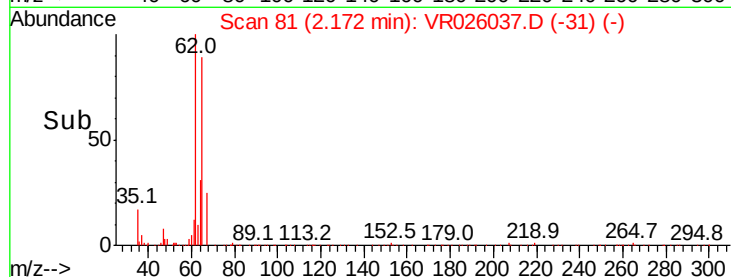
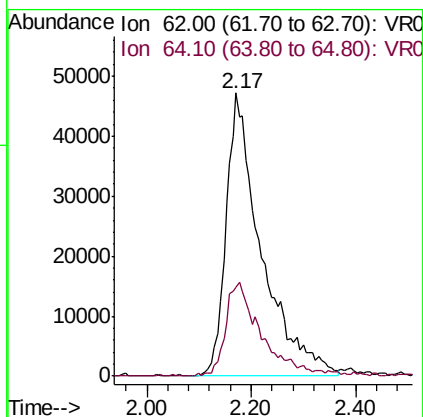
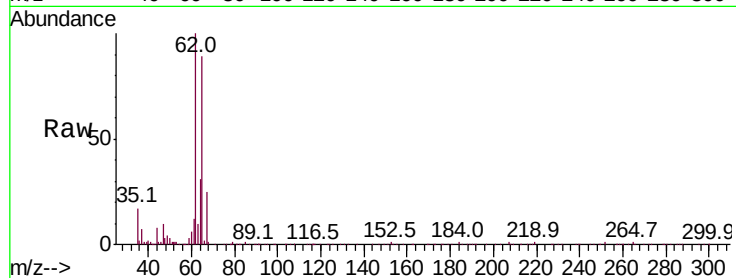
ClientSampled :

Tot Ion: 62 Resp: 221060

Ion Ratio Lower Upper

62 100

64 31.4 23.5 43.7



#6

Bromomethane

Concen: 4.911 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026037.D

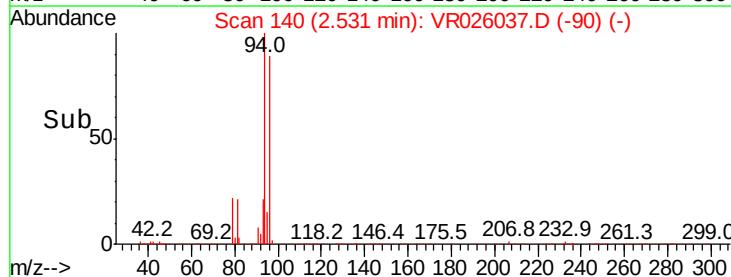
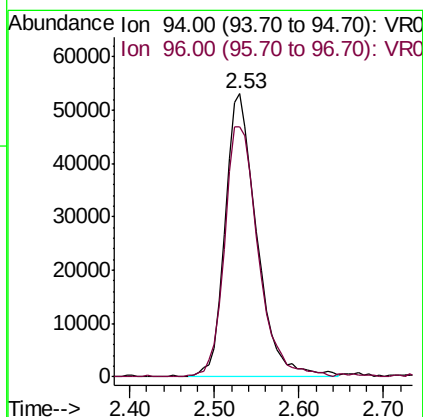
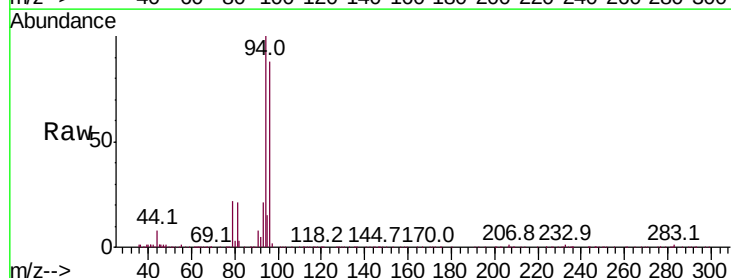
Acq: 11 Oct 2018 9:48

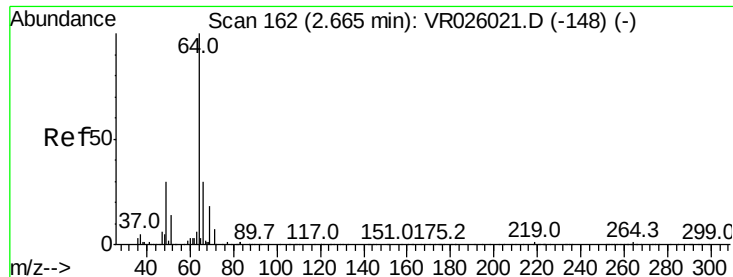
Tgt Ion: 94 Resp: 134930

Ion Ratio Lower Upper

94 100

96 88.5 66.1 122.8

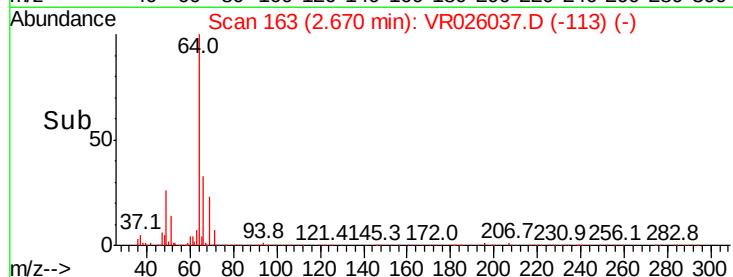
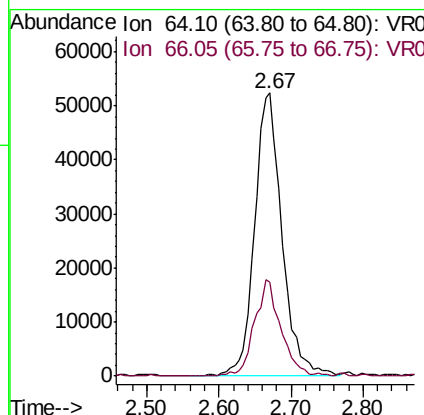
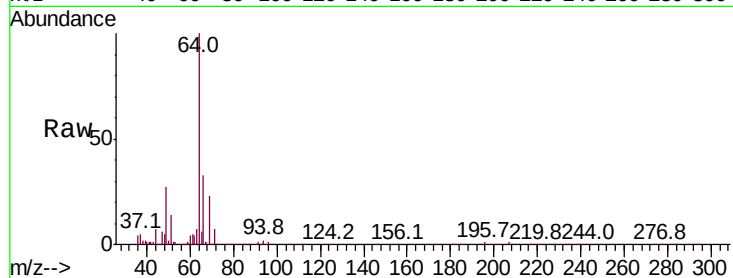




#8
Chloroethane
Concen: 5.521 ug/L
RT: 2.67 min Scan# 163
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

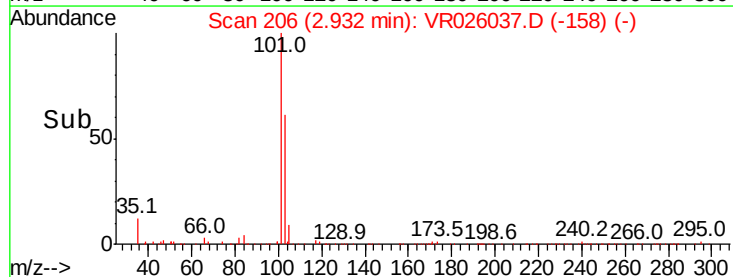
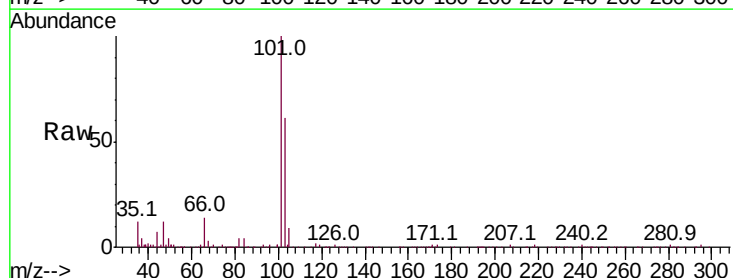
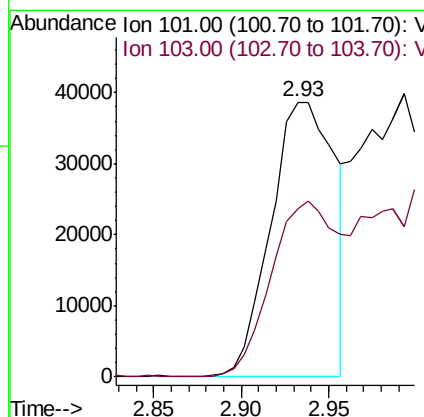
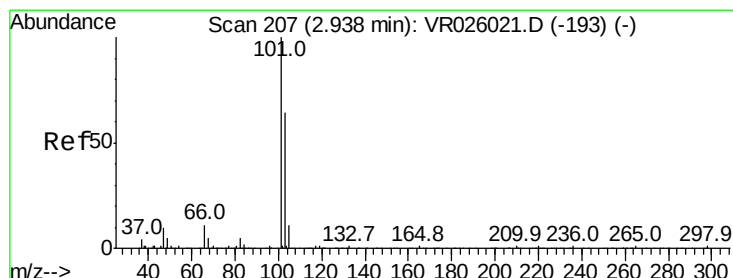
Instrument :
MSVOA_R
ClientSampleId :

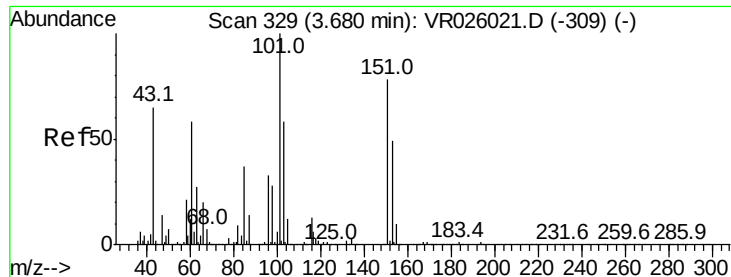
Tot Ion: 64 Resp: 138228
Ion Ratio Lower Upper
64 100
66 33.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.614 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion: 101 Resp: 98595
Ion Ratio Lower Upper
101 100
103 72.0 22.1 33.1#





#10

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

Concen: 5.728 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

ClientSampleId :

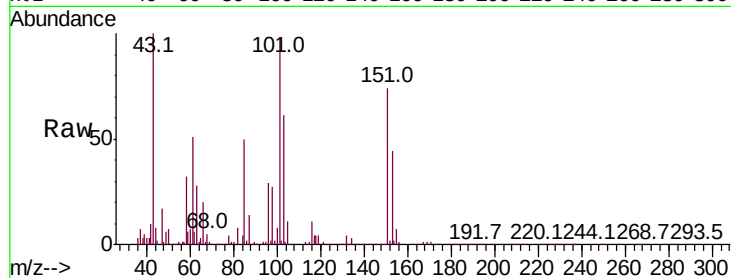
Tot Ion:101 Resp: 213926

Ion Ratio Lower Upper

101 100

85 49.3 38.2 57.4

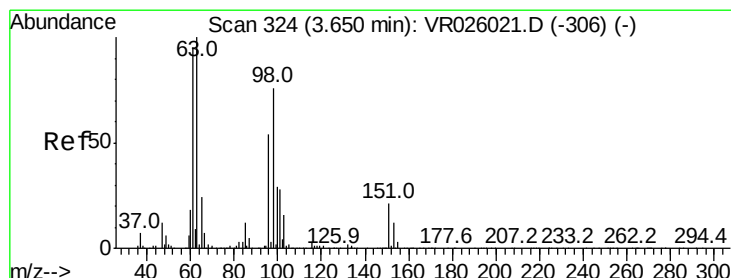
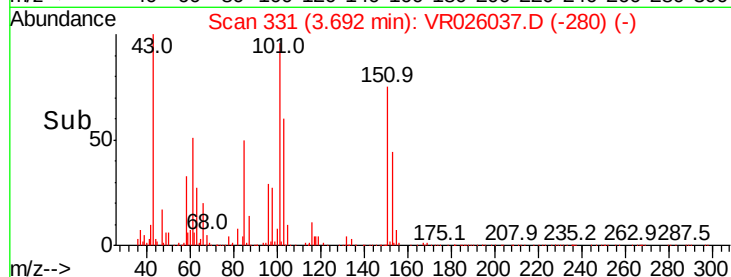
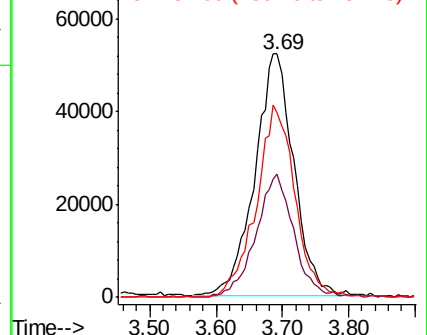
151 78.4 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.341 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

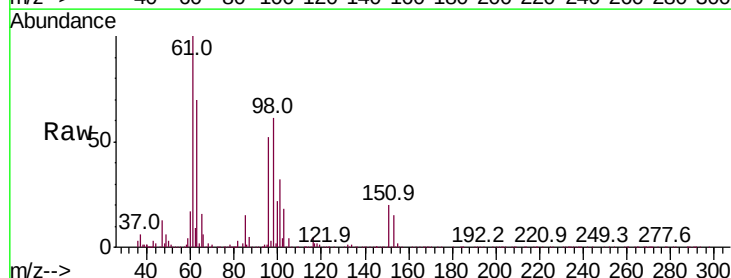
Tgt Ion: 96 Resp: 206260

Ion Ratio Lower Upper

96 100

61 193.5 145.0 269.4

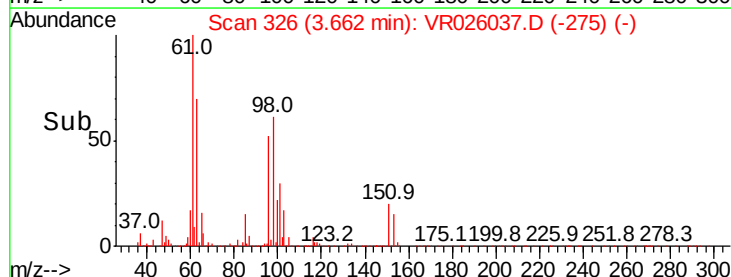
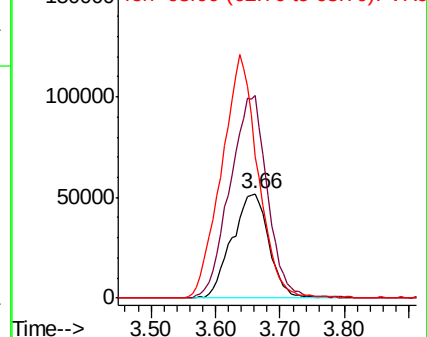
63 134.7 123.8 230.0

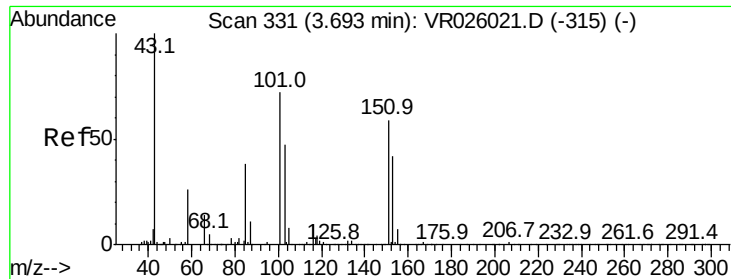


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

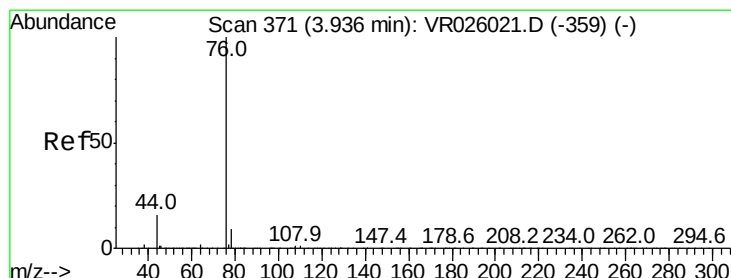
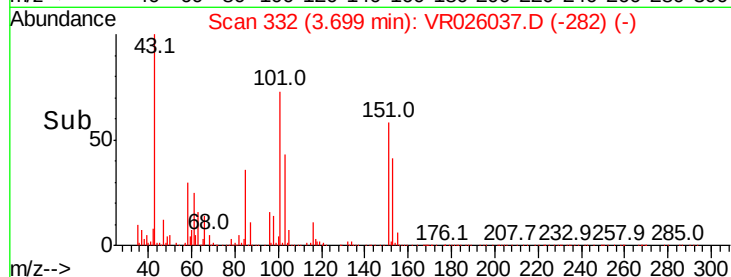
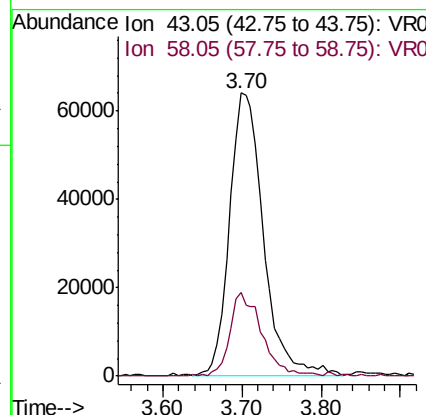
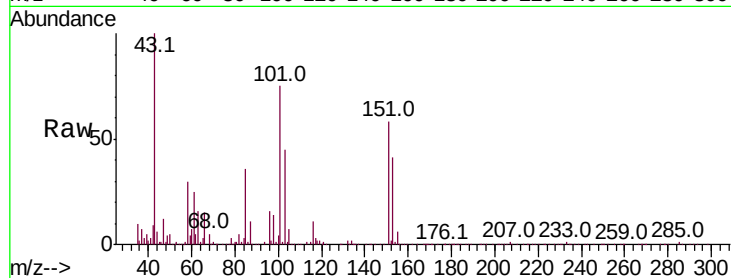




#13
Acetone
Concen: 58.825 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

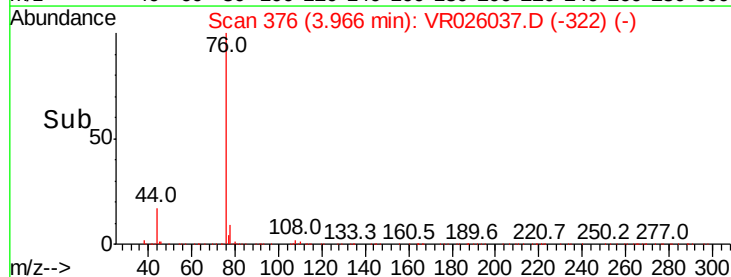
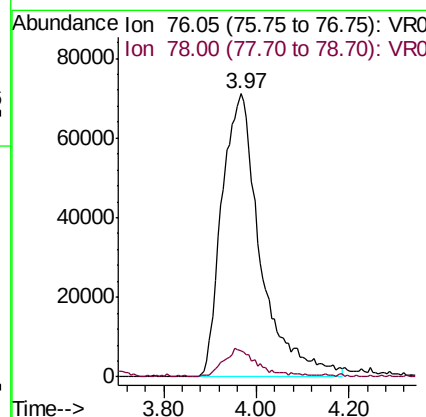
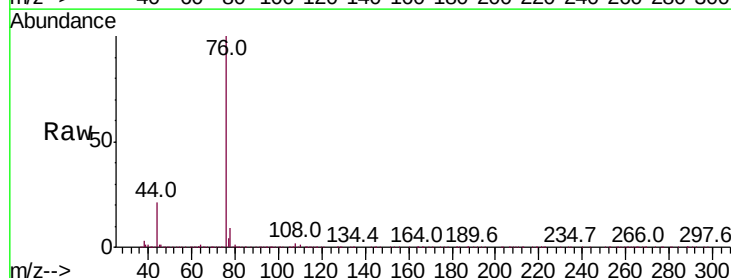
Instrument :
MSVOA_R
ClientSampleId :

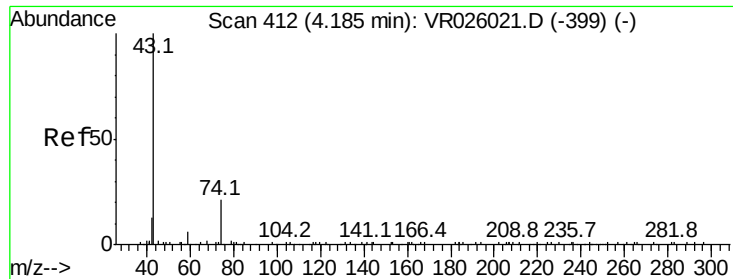
Tot Ion: 43 Resp: 191741
Ion Ratio Lower Upper
43 100
58 27.5 0.0 51.4



#14
Carbon disulfide
Concen: 4.401 ug/L
RT: 3.97 min Scan# 376
Delta R.T. 0.03 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion: 76 Resp: 411458
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

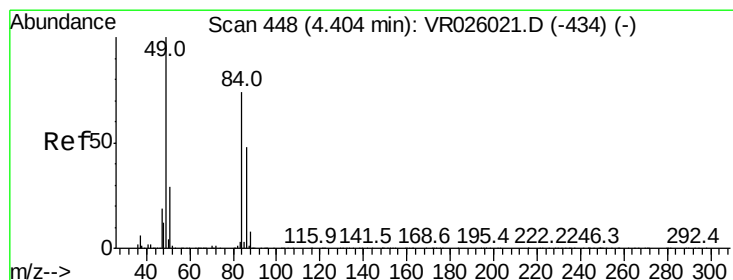
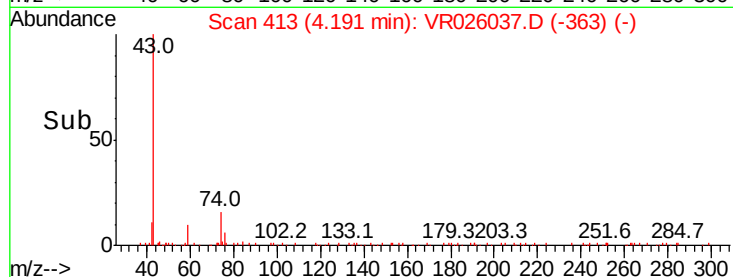
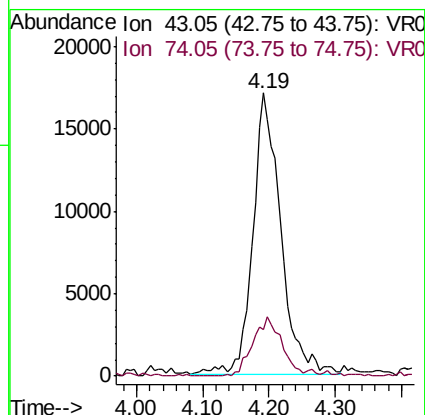
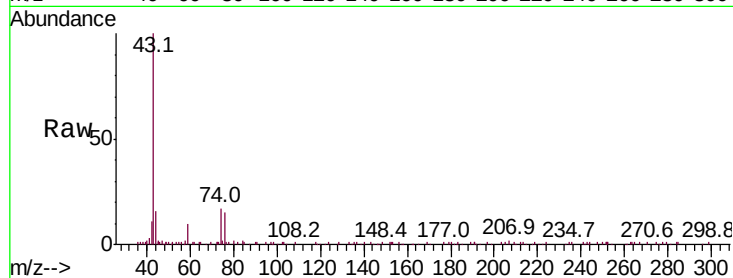




#15
Methvl Acetate
Concen: 5.500 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

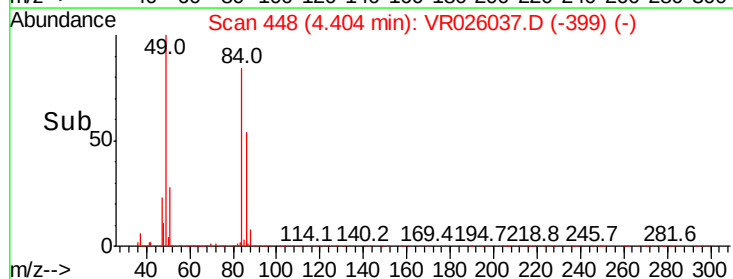
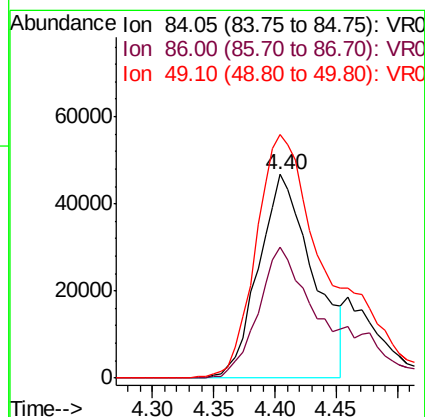
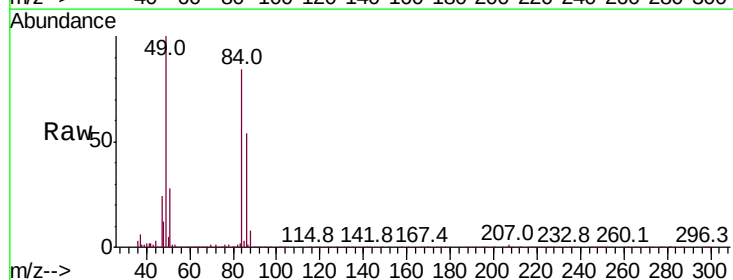
Instrument :
MSVOA_R
ClientSampleId :

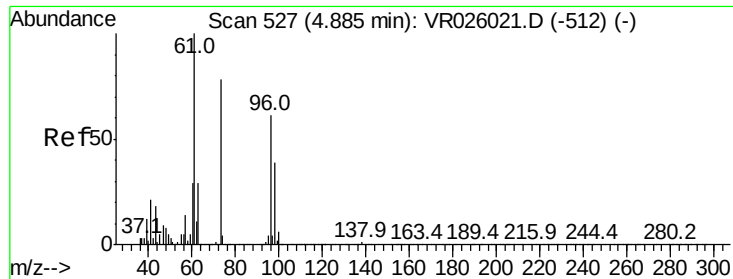
Tot Ion: 43 Resp: 49704
Ion Ratio Lower Upper
43 100
74 21.9 19.0 28.4



#16
Methylene chloride
Concen: 4.055 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion: 84 Resp: 143986
Ion Ratio Lower Upper
84 100
86 64.4 43.1 80.1
49 119.5 95.5 177.3





#17

Methyl tert-butyl Ether

Concen: 5.119 ug/L

RT: 4.90 min Scan# 530

Delta R.T. 0.02 min

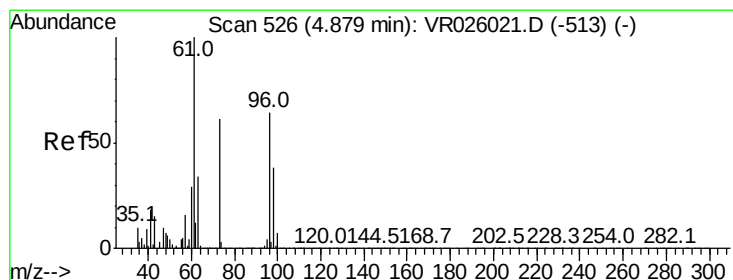
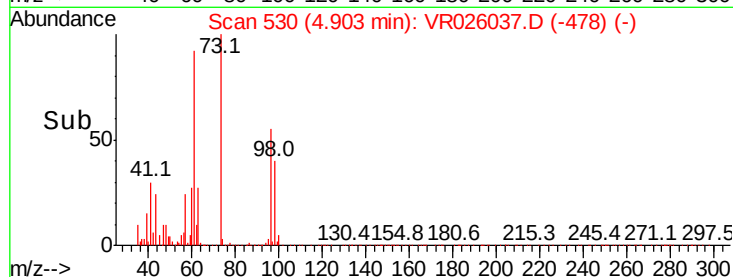
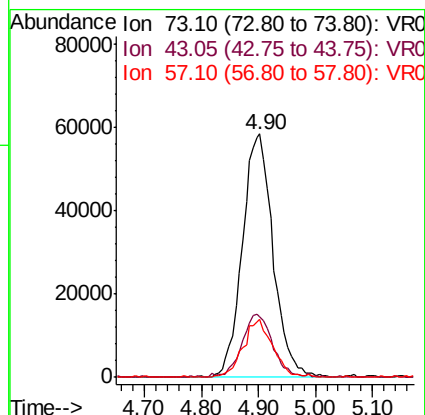
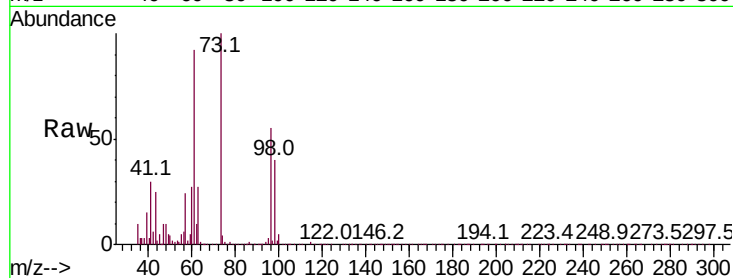
Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 218893

Ion	Ratio	Lower	Upper
73	100		
43	25.0	19.8	29.8
57	23.1	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.712 ug/L

RT: 4.88 min Scan# 526

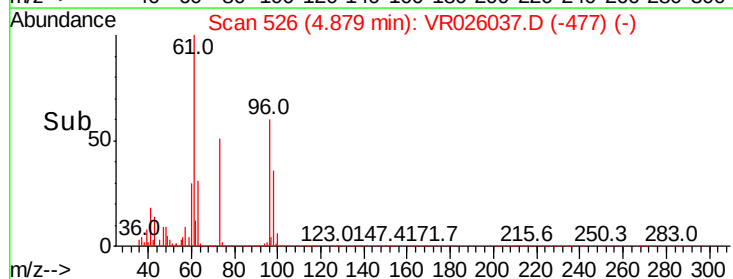
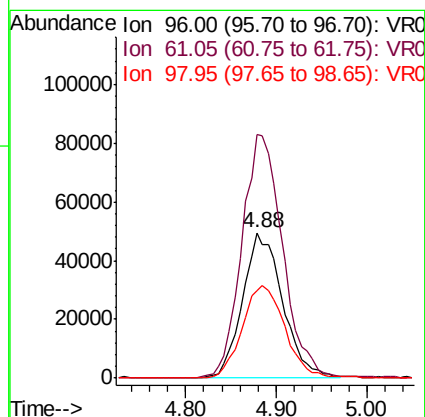
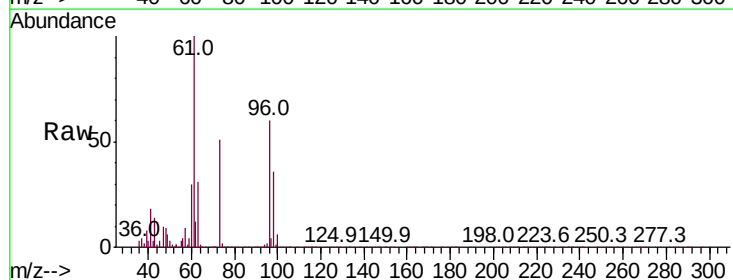
Delta R.T. -0.00 min

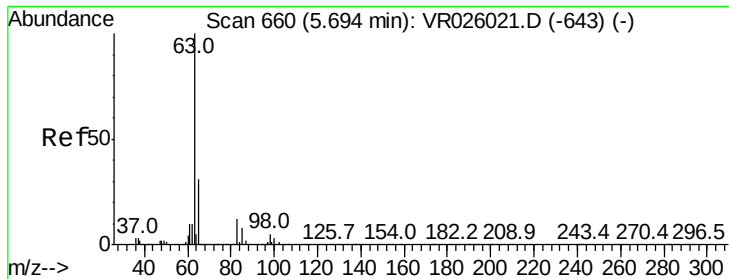
Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Tgt Ion: 96 Resp: 150501

Ion	Ratio	Lower	Upper
96	100		
61	167.3	127.4	236.6
98	60.2	43.8	81.3

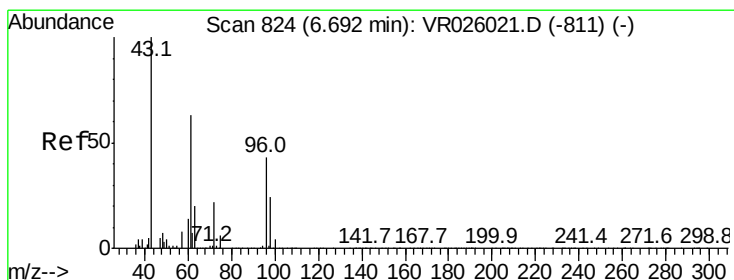
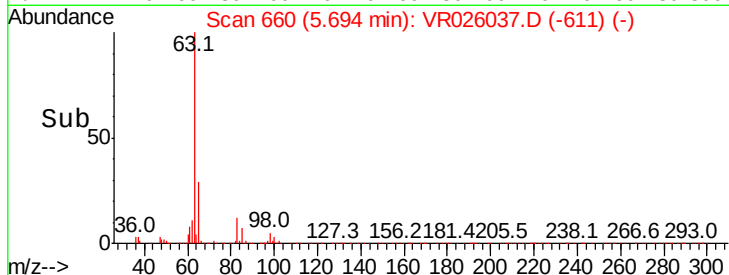
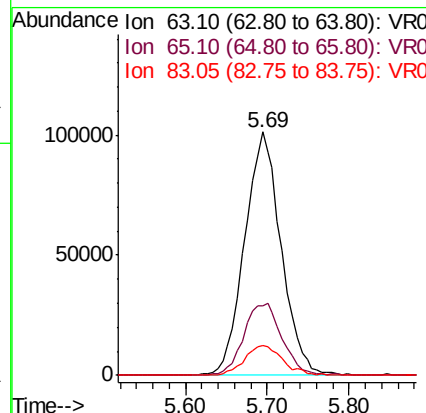
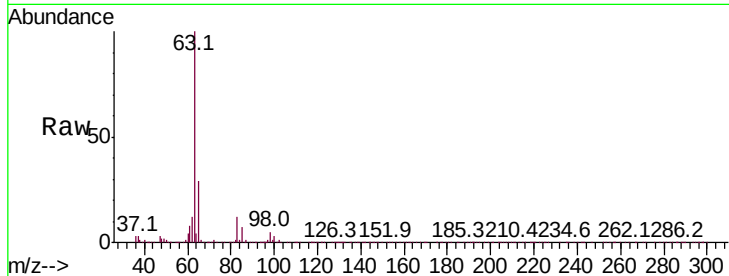




#19
 1,1-Dichloroethane
 Concen: 4.957 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

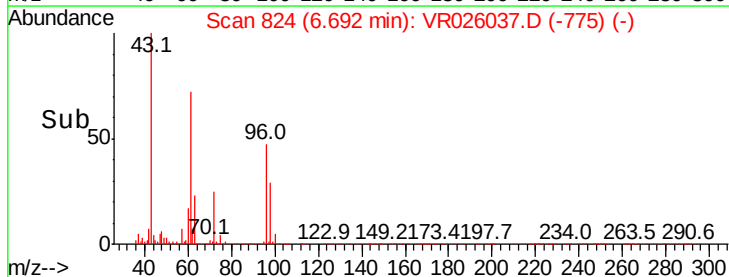
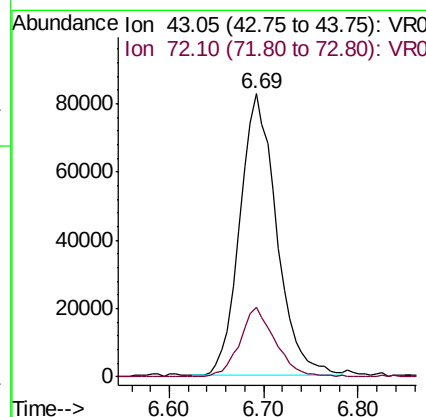
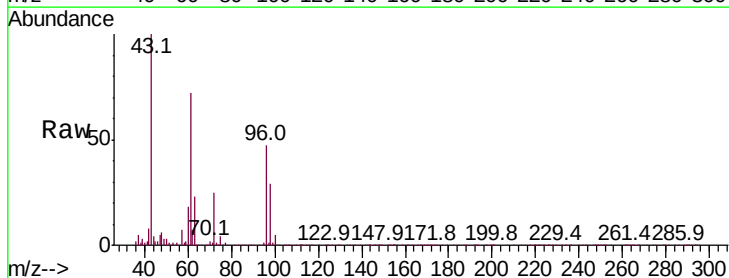
Instrument :
 MSVOA_R
 ClientSampleId :

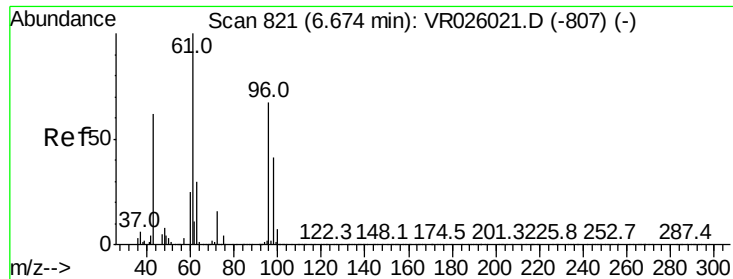
Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	21.1	39.1
83	12.1	8.9	16.5



#21
 2-Butanone
 Concen: 50.236 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.9	11.9	35.7



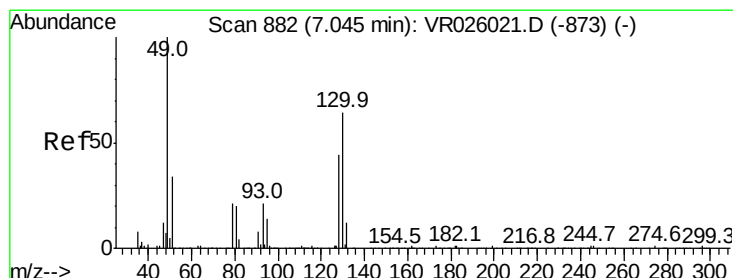
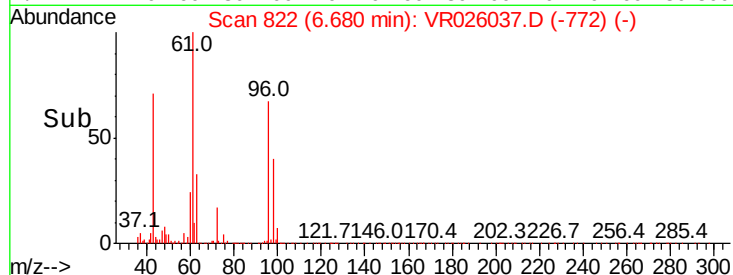
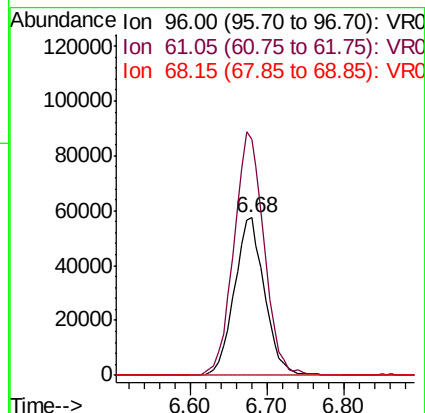
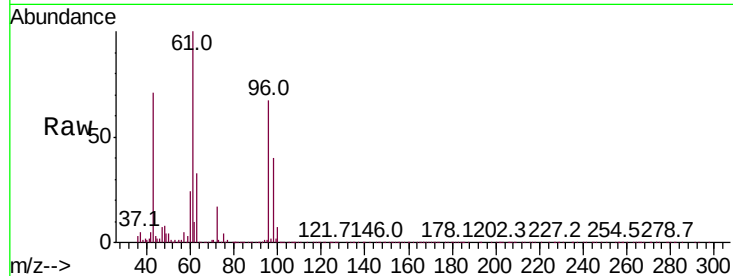


#22

cis-1,2-Dichloroethene
Concen: 4.854 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Instrument :
MSVOA_R
ClientSampled :

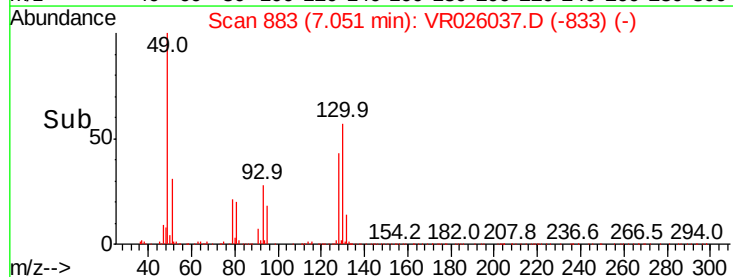
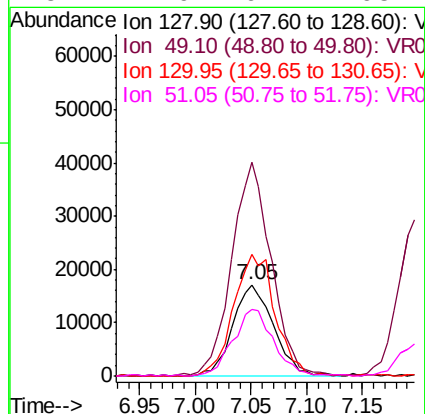
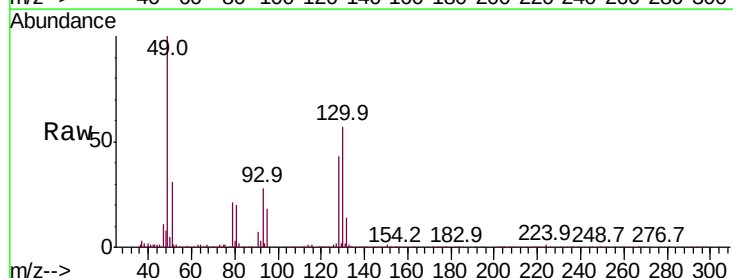
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	108.7	201.9
68	0.1	0.1	0.1

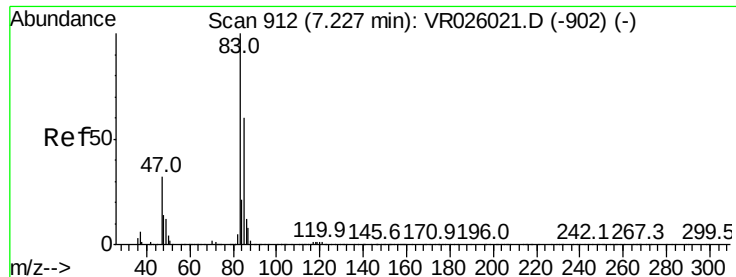


#23

Bromochloromethane
Concen: 4.994 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion	Ratio	Lower	Upper
128	100		
49	233.9	175.0	325.0
130	133.2	85.6	159.0
51	72.9	62.2	93.2

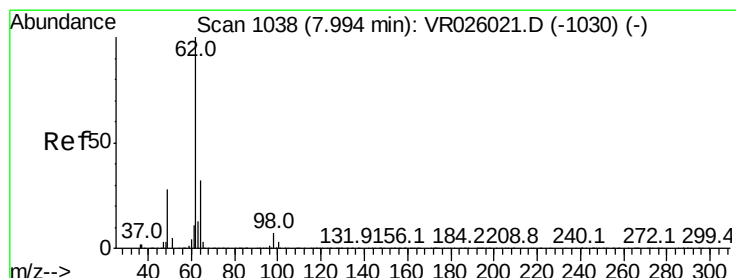
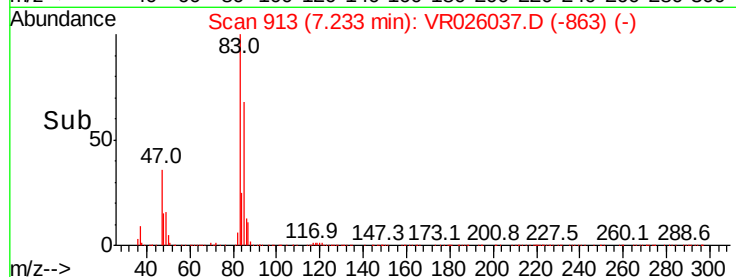
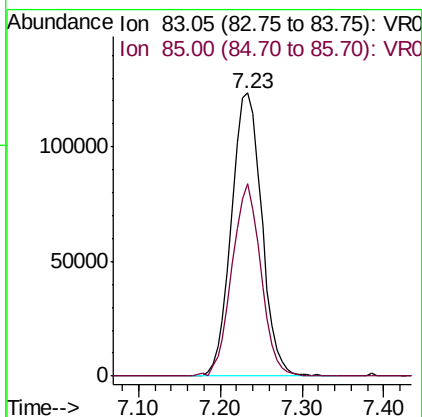
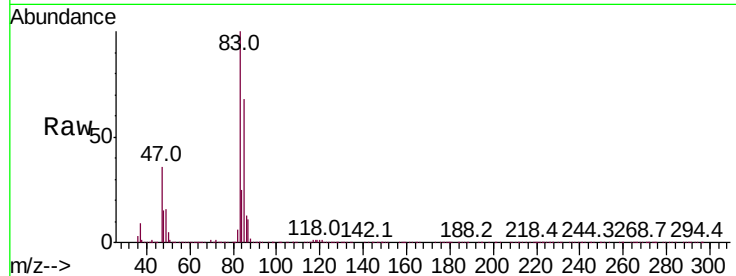




#25
Chloroform
Concen: 5.129 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

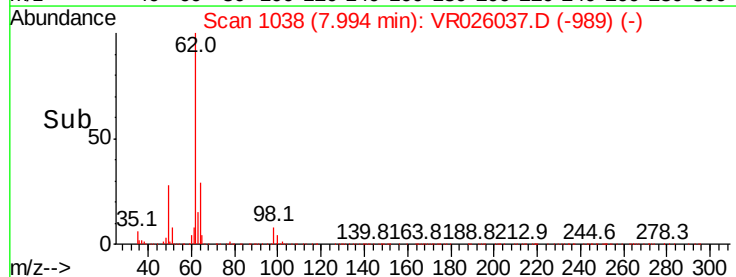
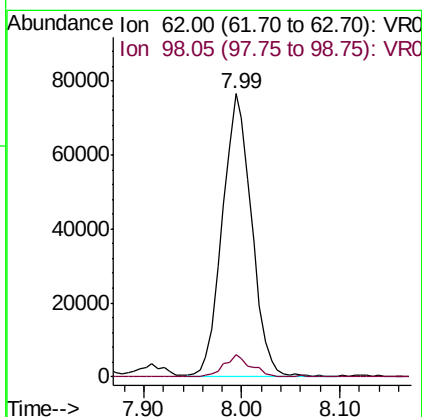
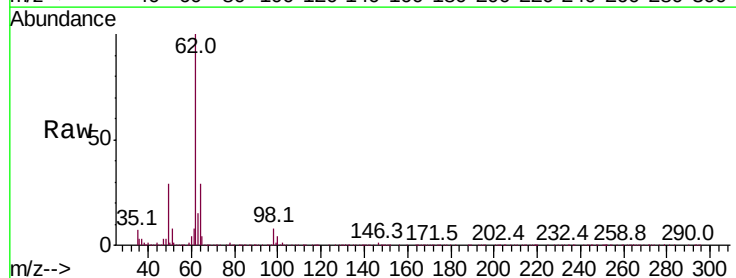
Instrument :
MSVOA_R
ClientSampleId :

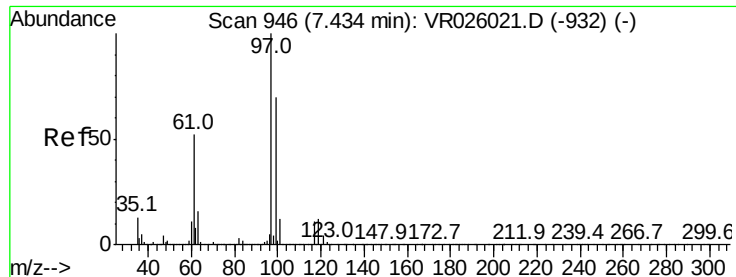
Tot Ion: 83 Resp: 315816
Ion Ratio Lower Upper
83 100
85 68.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.147 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion: 62 Resp: 158158
Ion Ratio Lower Upper
62 100
98 7.7 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 5.157 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :
MSVOA_R
ClientSampled :

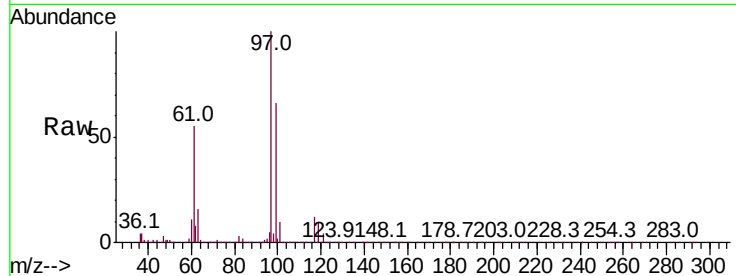
Tot Ion: 97 Resp: 259739

Ion Ratio Lower Upper

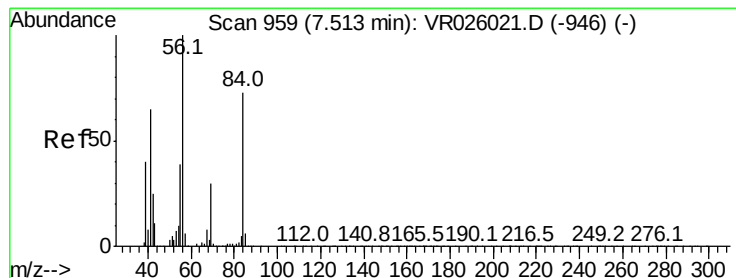
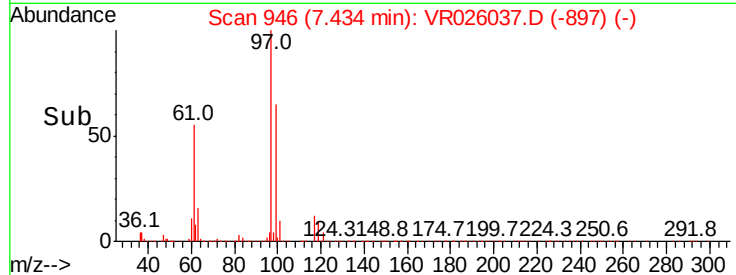
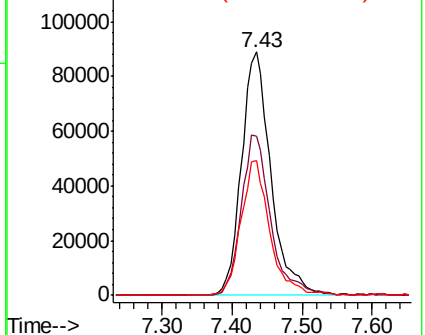
97 100

99 65.6 51.0 76.6

61 54.4 41.6 62.4



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



#30

Cyclohexane

Concen: 4.201 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

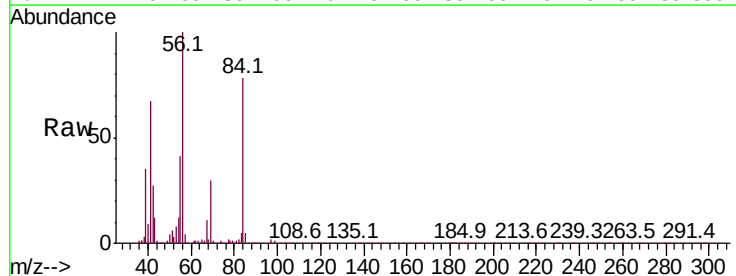
Tgt Ion: 56 Resp: 264426

Ion Ratio Lower Upper

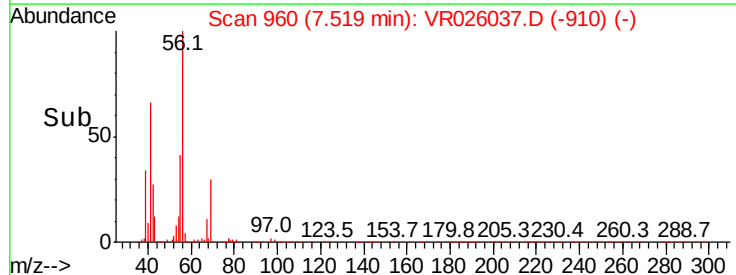
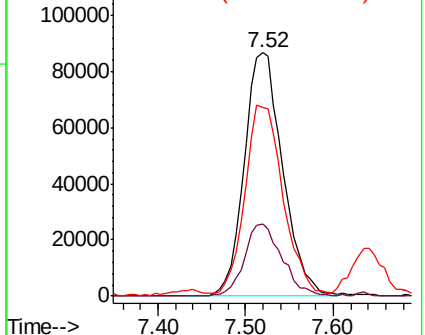
56 100

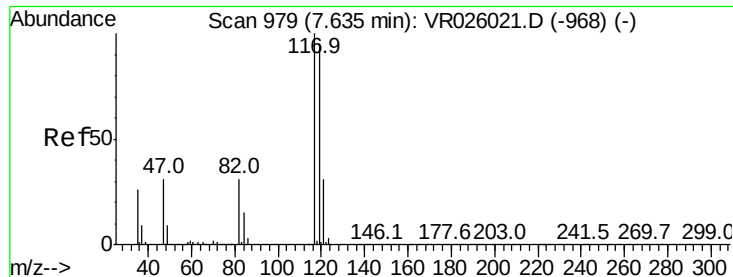
69 29.0 24.8 37.2

84 78.4 59.8 89.8



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





#31

Carbon tetrachloride

Concen: 5.501 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

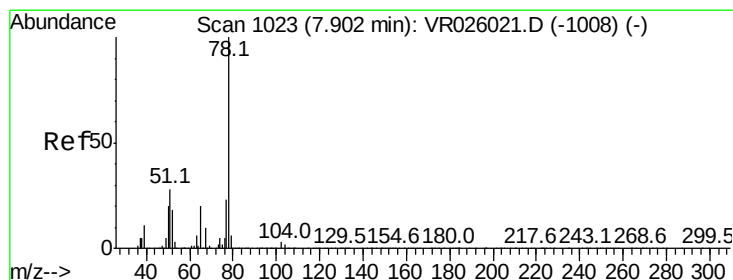
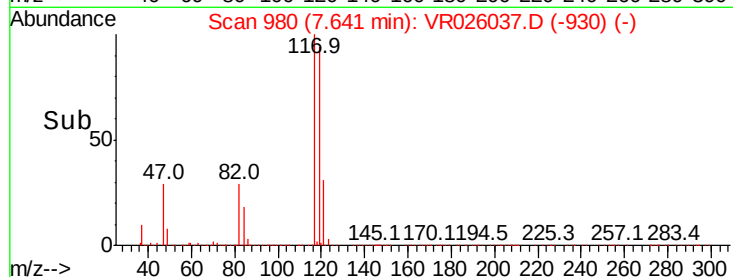
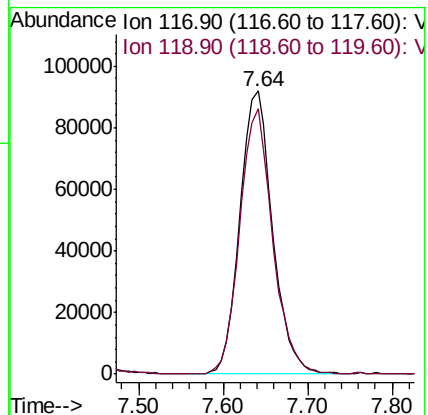
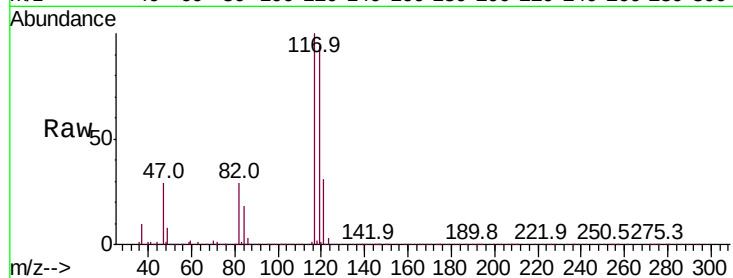
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 239942

Ion Ratio Lower Upper

117 100

119 94.7 75.6 113.4



#33

Benzene

Concen: 4.738 ug/L

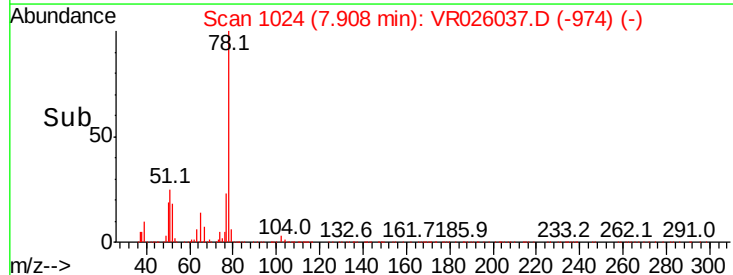
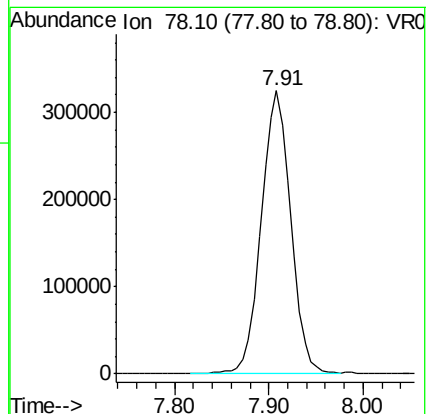
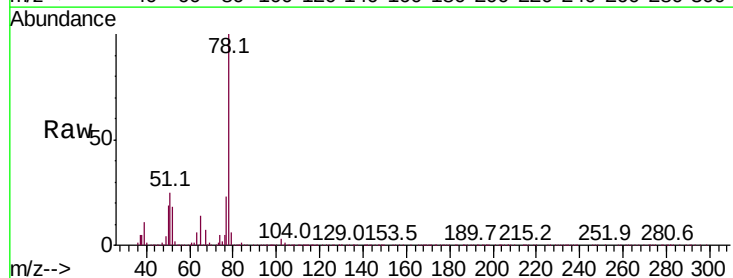
RT: 7.91 min Scan# 1024

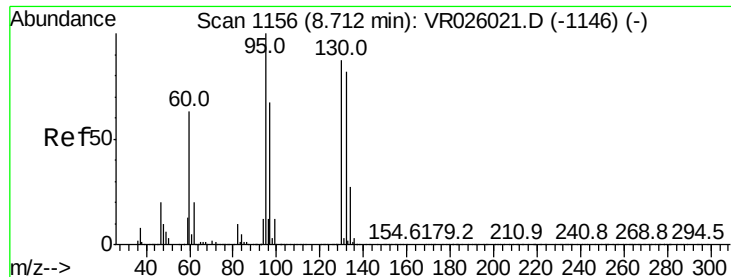
Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Tgt Ion: 78 Resp: 711761





#34

Trichloroethene

Concen: 4.582 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 181400

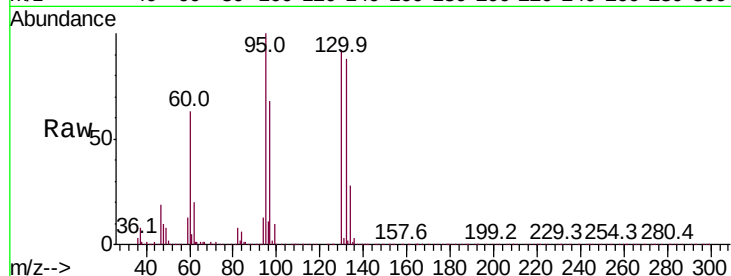
Ion Ratio Lower Upper

95 100

97 67.8 43.9 81.5

132 88.1 53.3 98.9

130 92.3 53.8 99.8

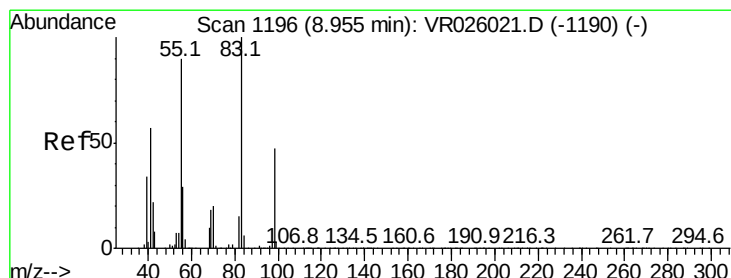
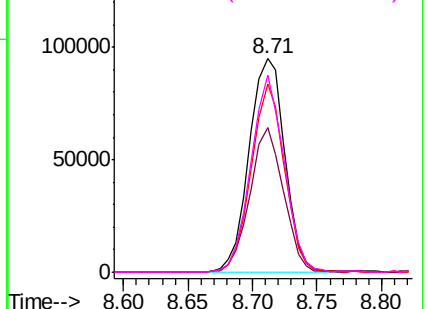
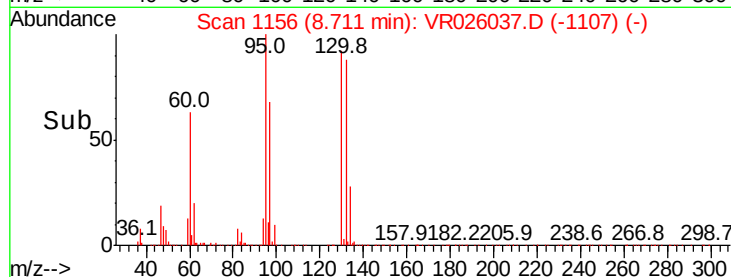


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.537 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

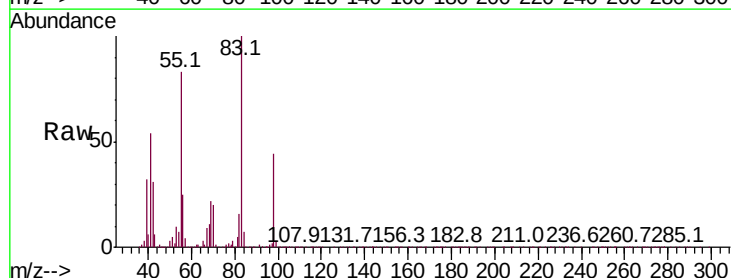
Tgt Ion: 83 Resp: 270078

Ion Ratio Lower Upper

83 100

55 85.7 71.8 107.6

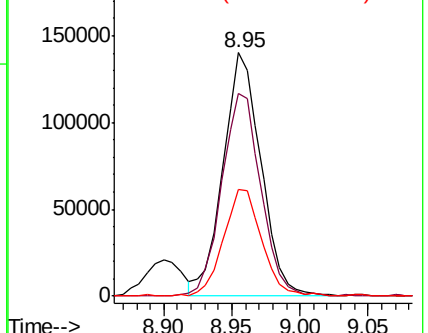
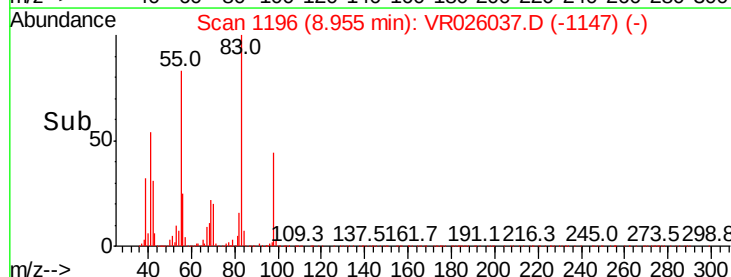
98 43.9 34.2 51.4

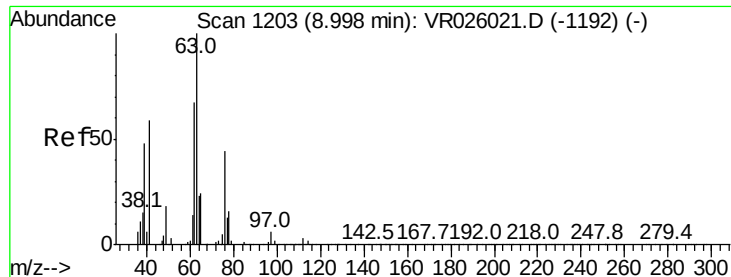


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

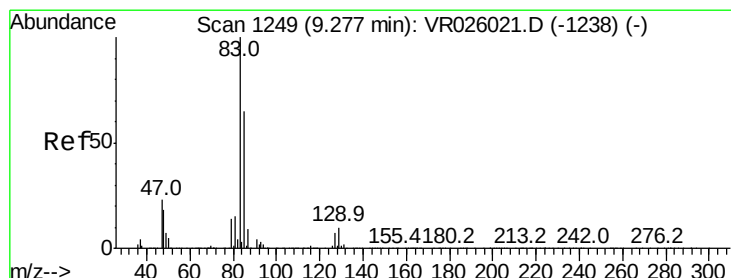
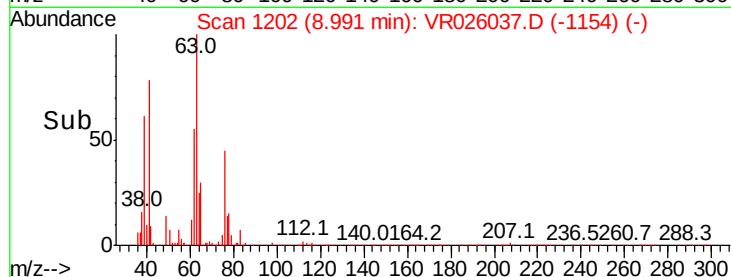
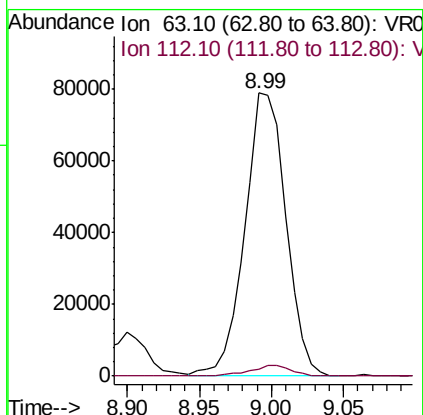
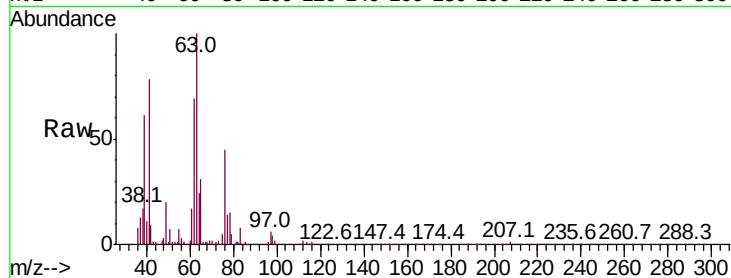




#37
 1,2-Dichloropropane
 Concen: 4.827 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

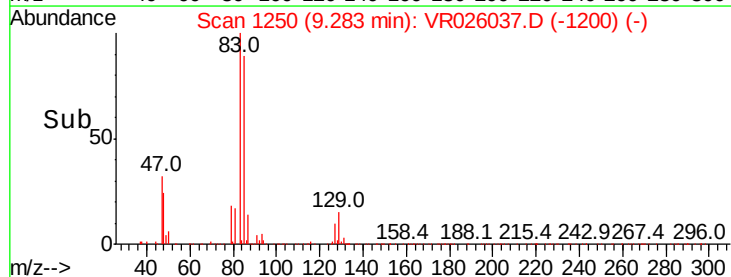
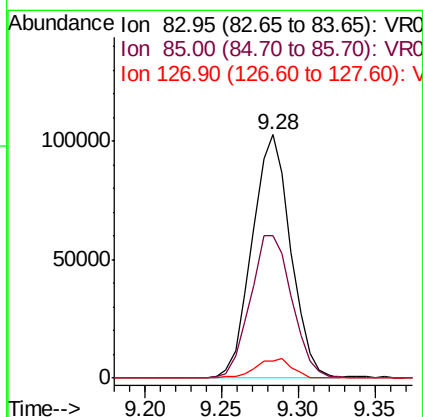
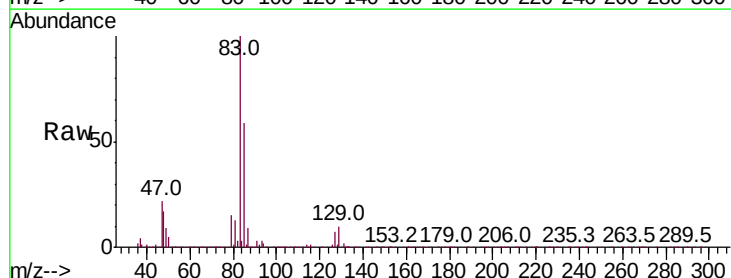
Instrument :
 MSVOA_R
 ClientSampleId :

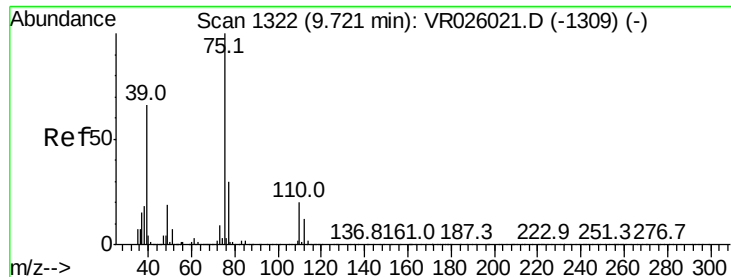
Tot Ion: 63 Resp: 155576
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.5 3.7#



#38
 Bromodichloromethane
 Concen: 5.182 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Tgt Ion: 83 Resp: 180195
 Ion Ratio Lower Upper
 83 100
 85 58.7 42.8 79.4
 127 6.7 5.6 8.4



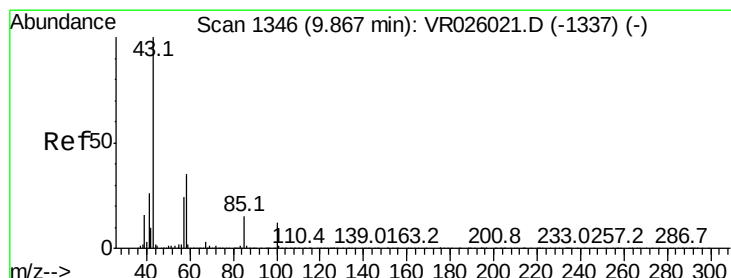
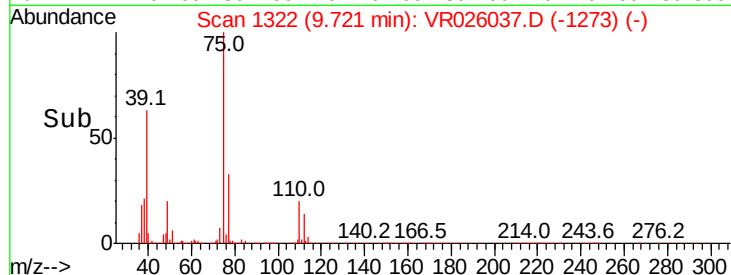
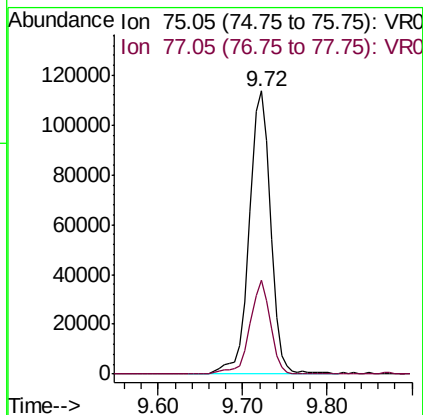
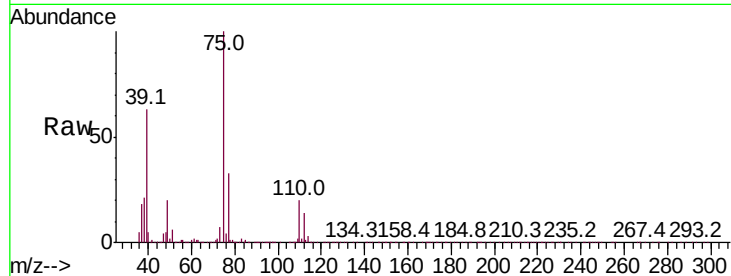


#39

cis-1,3-Dichloropropene
Concen: 5.342 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Instrument :
MSVOA_R
ClientSampleId :

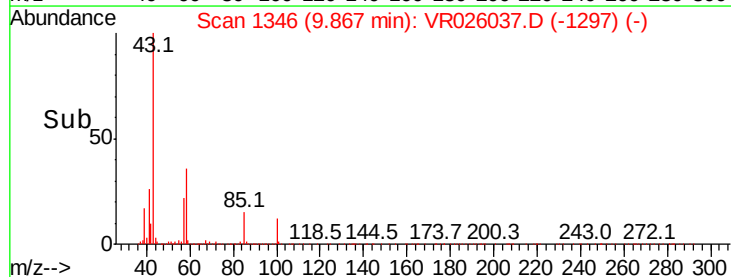
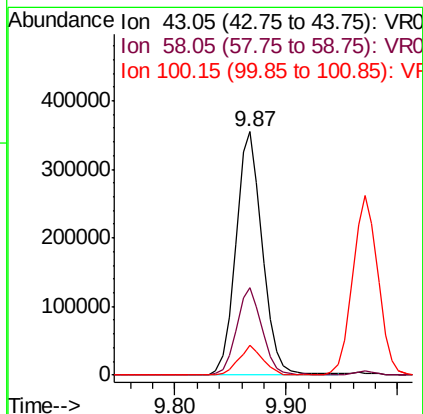
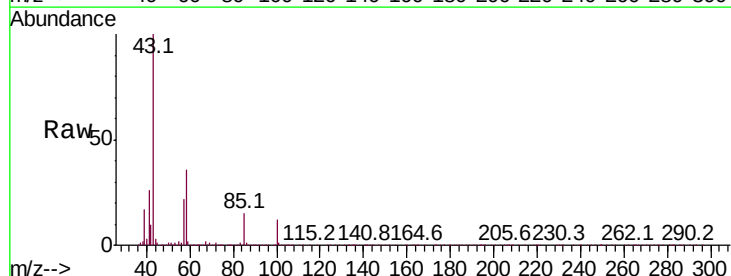
Tot Ion: 75 Resp: 193065
Ion Ratio Lower Upper
75 100
77 33.4 21.5 39.9

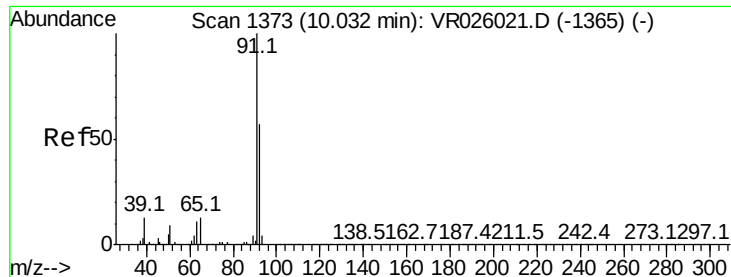


#40

4-Methyl-2-pentanone
Concen: 51.258 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion: 43 Resp: 580909
Ion Ratio Lower Upper
43 100
58 34.5 28.6 43.0
100 11.3 9.0 13.4





#42

Toluene

Concen: 5.018 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

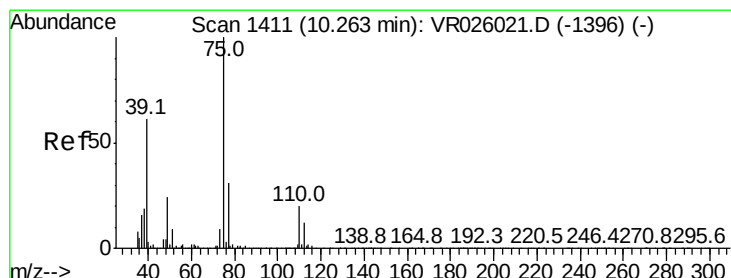
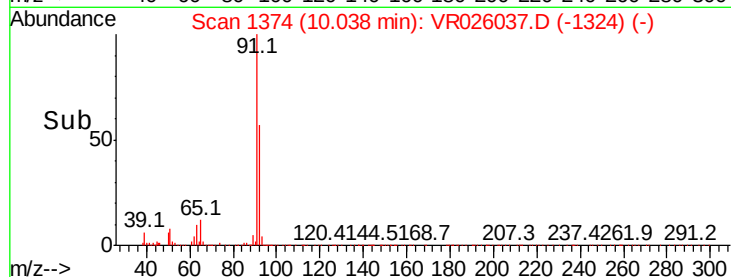
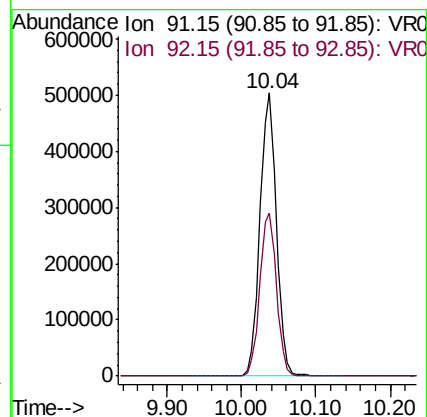
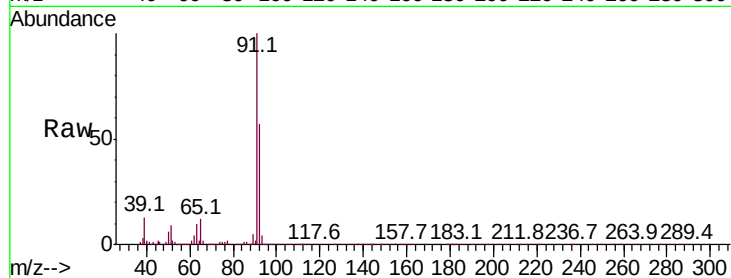
ClientSampleId :

Tot Ion: 91 Resp: 783452

Ion Ratio Lower Upper

91 100

92 57.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.790 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026037.D

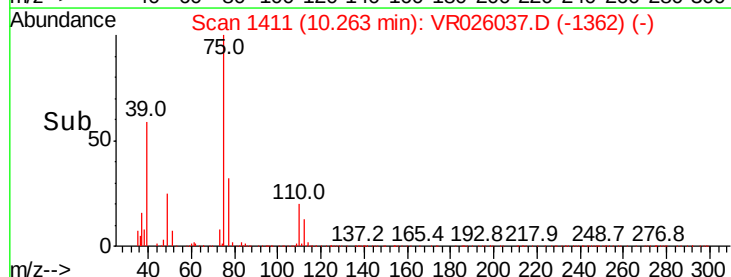
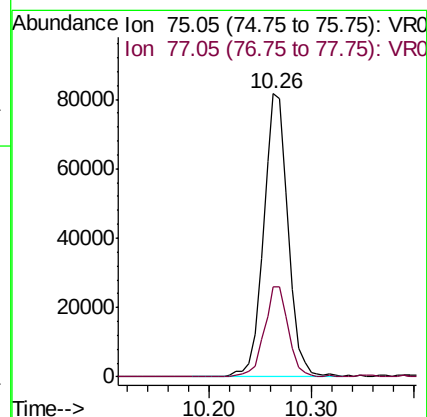
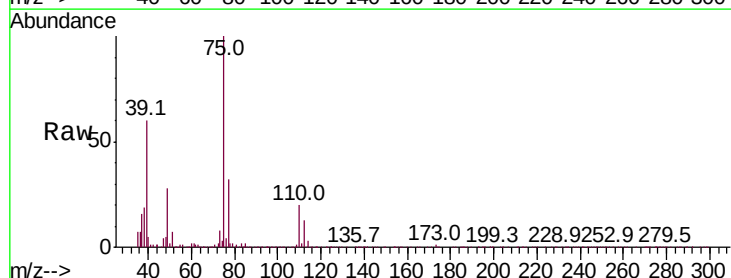
Acq: 11 Oct 2018 9:48

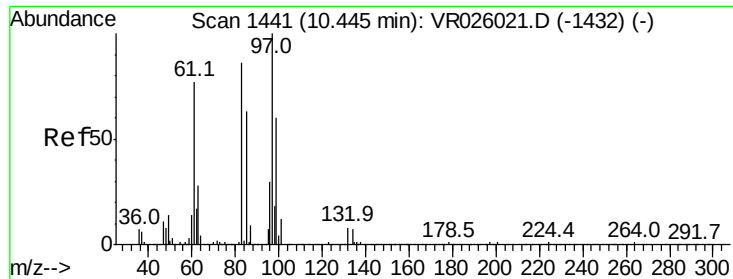
Tgt Ion: 75 Resp: 136611

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8

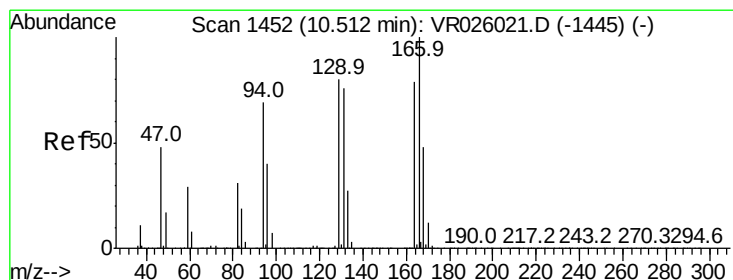
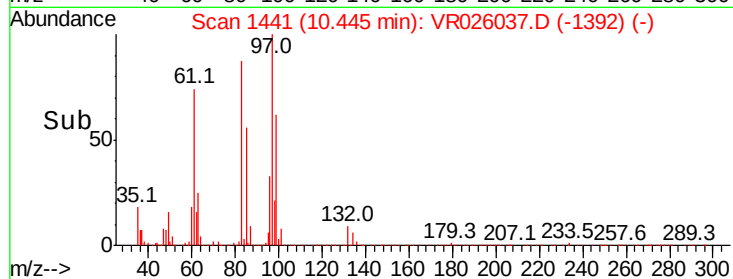
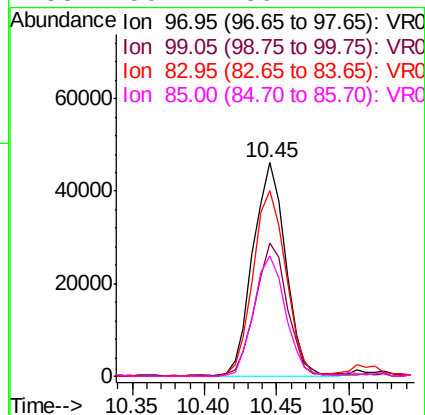
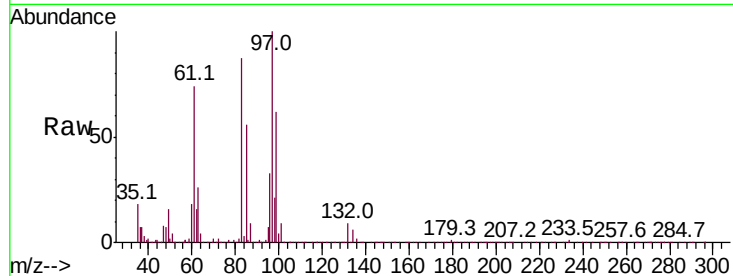




#45
 1,1,2-Trichloroethane
 Concen: 4.967 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

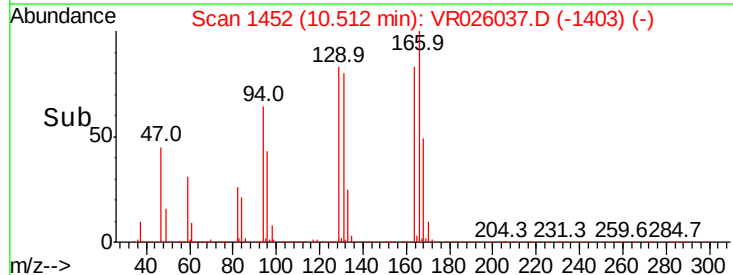
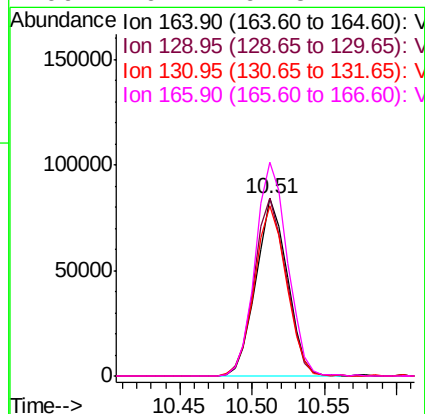
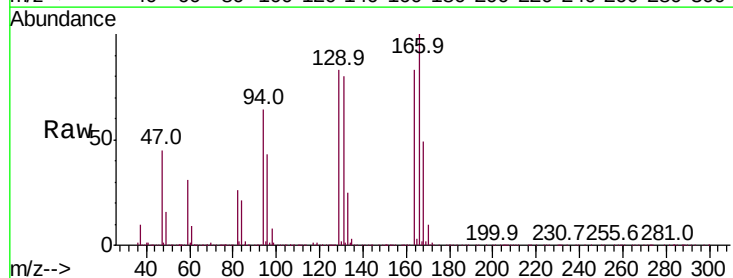
Instrument :
 MSVOA_R
 ClientSampleId :

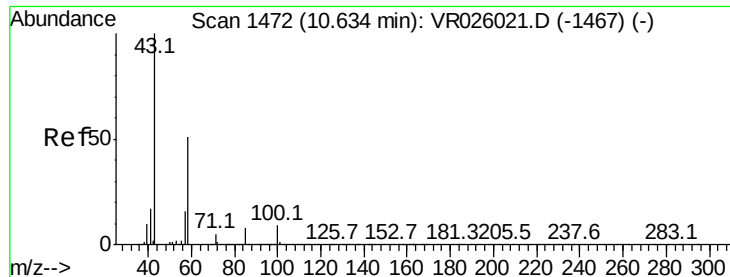
Tot Ion:	97	Resp:	72414
Ion	Ratio	Lower	Upper
97	100		
99	62.1	39.6	73.6
83	87.1	62.2	115.6
85	56.2	39.1	72.7



#47
 Tetrachloroethene
 Concen: 5.154 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Tgt Ion:	164	Resp:	125729
Ion	Ratio	Lower	Upper
164	100		
129	100.1	80.8	150.2
131	96.2	74.5	138.3
166	120.4	92.5	171.7

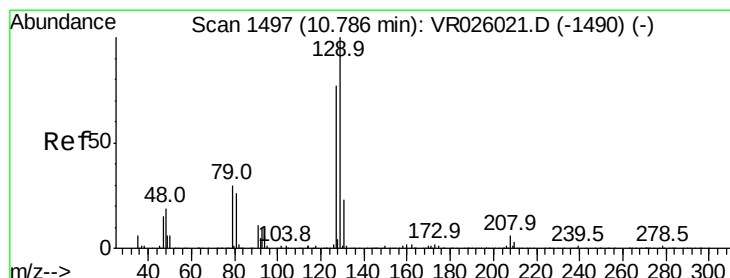
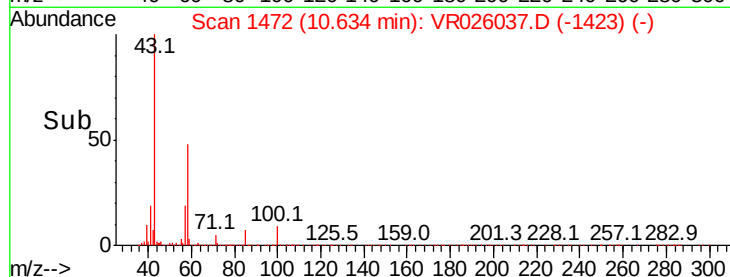
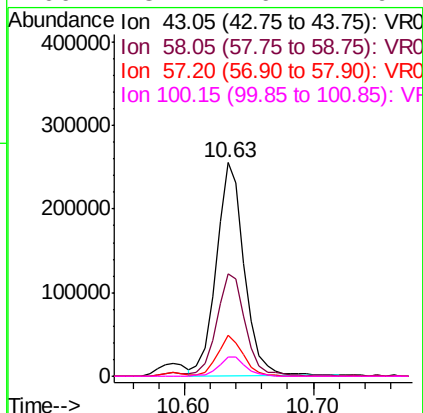
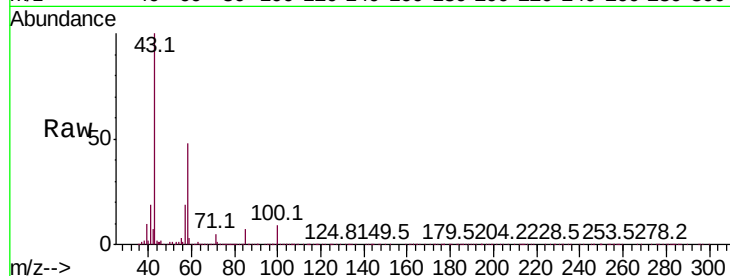




#48
2-Hexanone
Concen: 52.242 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

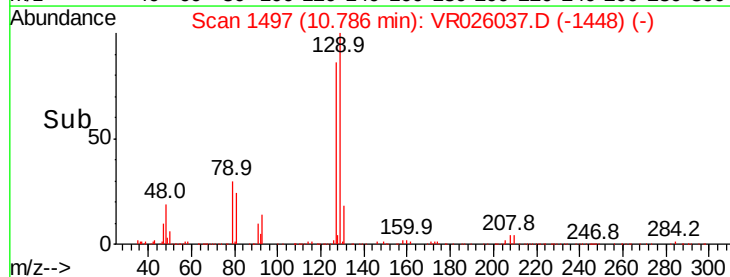
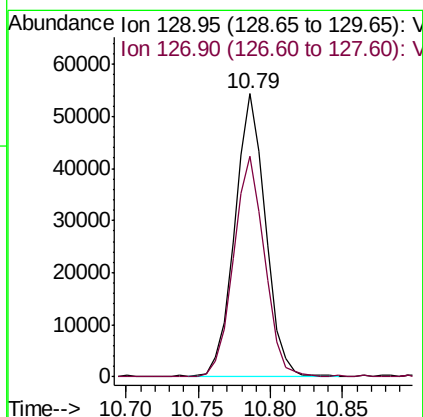
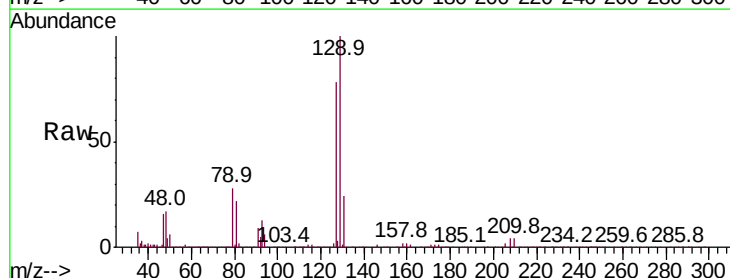
Instrument :
MSVOA_R
ClientSampleId :

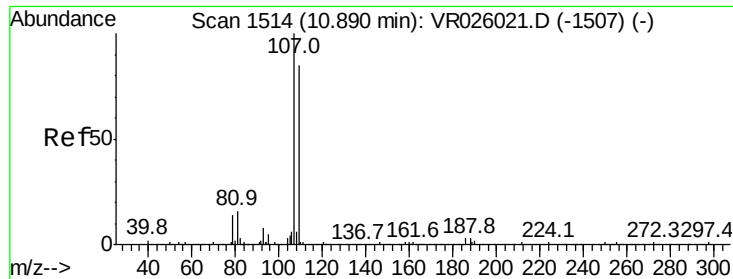
Tot Ion:	43	Resp:	387645
Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.5	59.3
57	17.7	14.6	21.8
100	8.7	6.7	10.1



#49
Dibromochloromethane
Concen: 5.464 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion:	129	Resp:	80842
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.1	100.5

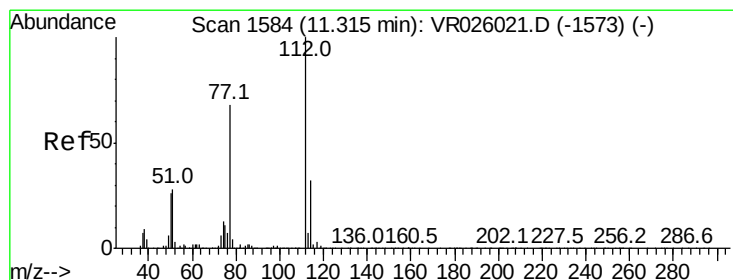
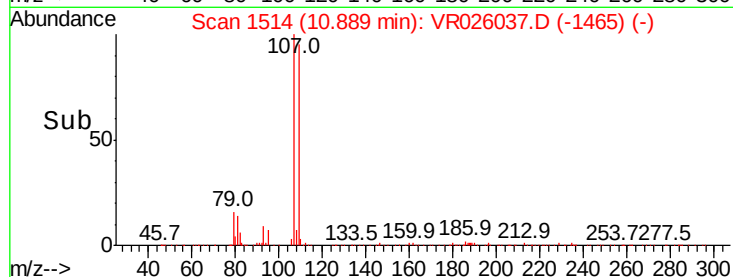
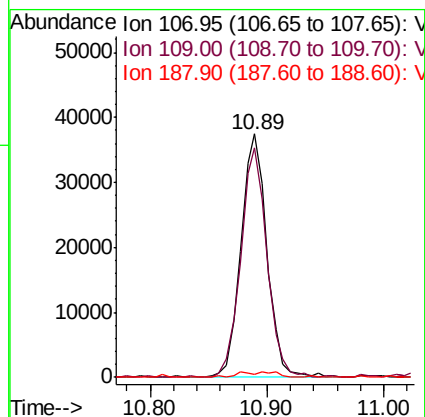
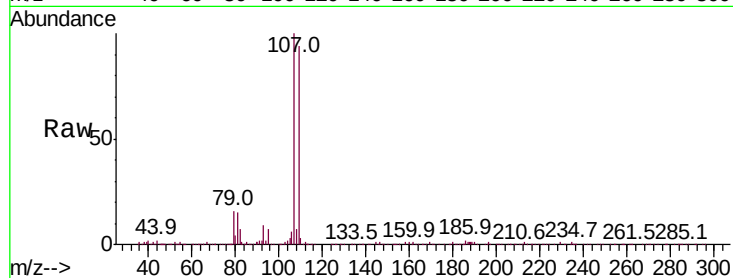




#50
1,2-Dibromoethane
Concen: 5.064 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

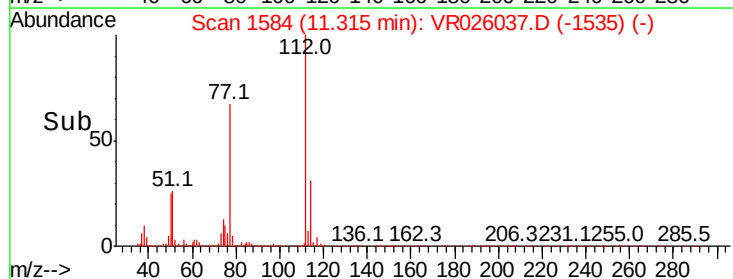
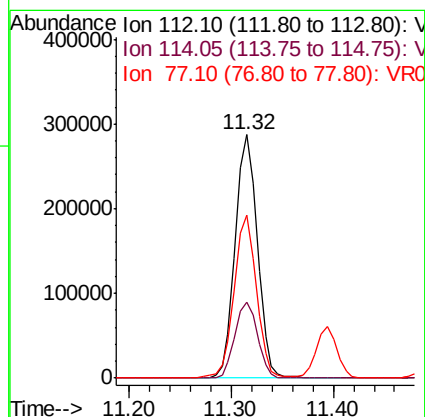
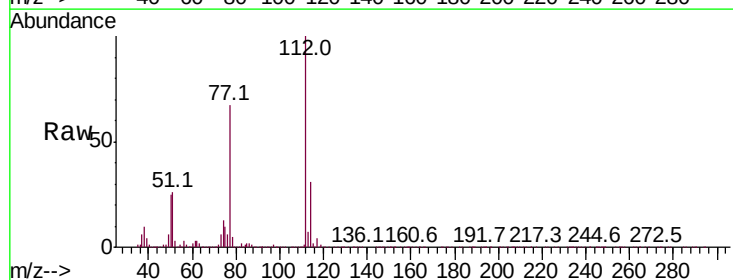
Instrument :
MSVOA_R
ClientSampled :

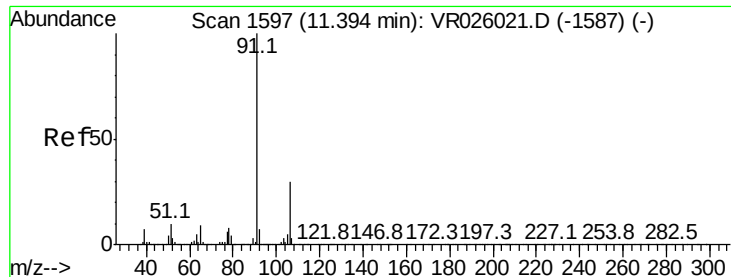
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	63.5	117.9
188	1.4	1.7	2.5#



#51
Chlorobenzene
Concen: 5.193 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.7	42.3
77	67.0	58.5	87.7





#52

Ethylbenzene

Concen: 5.143 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

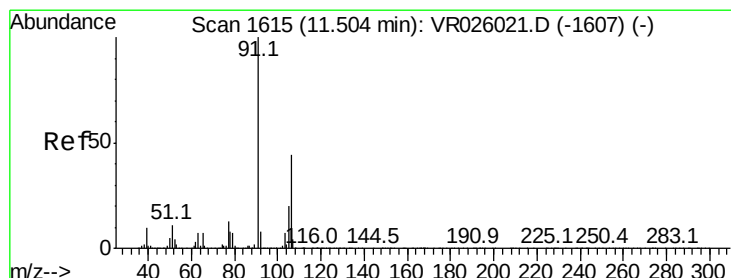
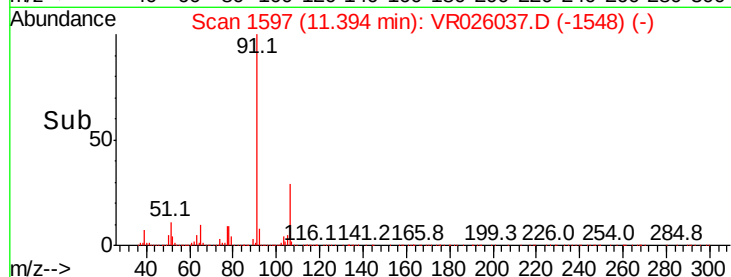
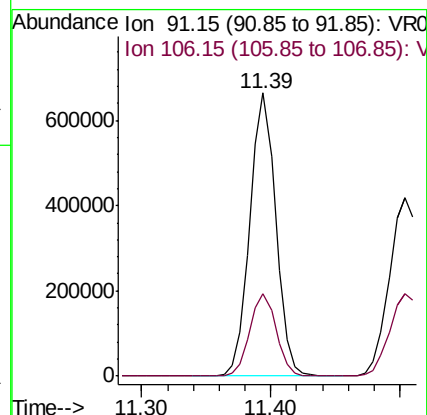
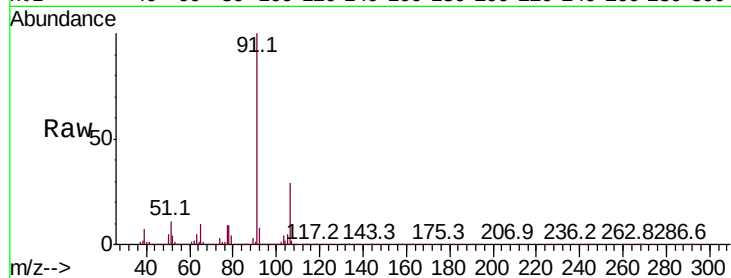
ClientSampleId :

Tot Ion: 91 Resp: 916419

Ion Ratio Lower Upper

91 100

106 29.2 20.6 38.4



#53

m,p-Xylene

Concen: 5.287 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026037.D

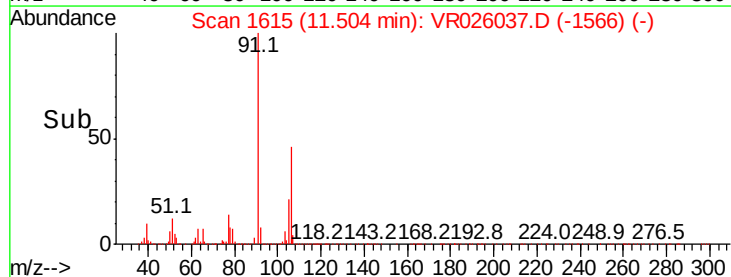
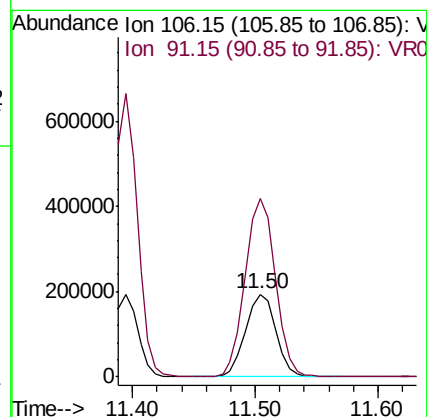
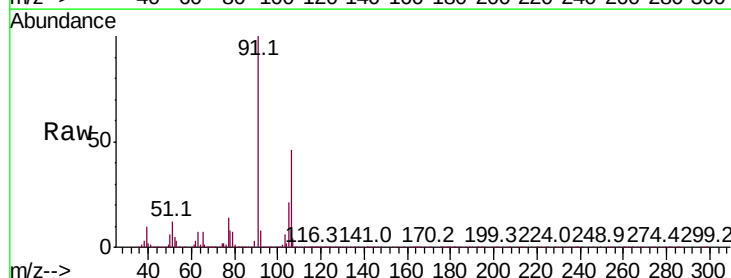
Acq: 11 Oct 2018 9:48

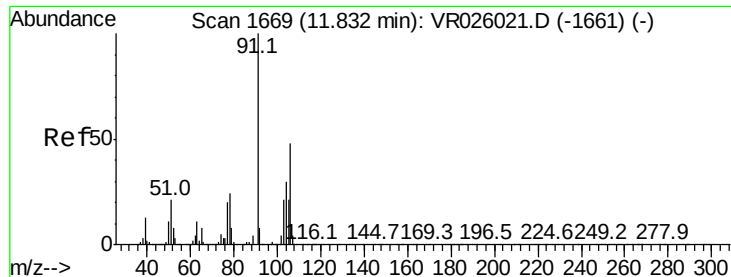
Tgt Ion: 106 Resp: 335383

Ion Ratio Lower Upper

106 100

91 216.5 159.7 296.5

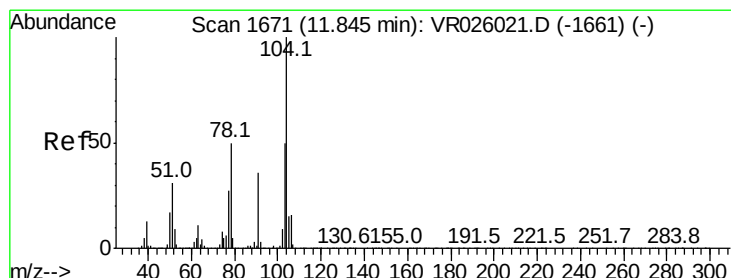
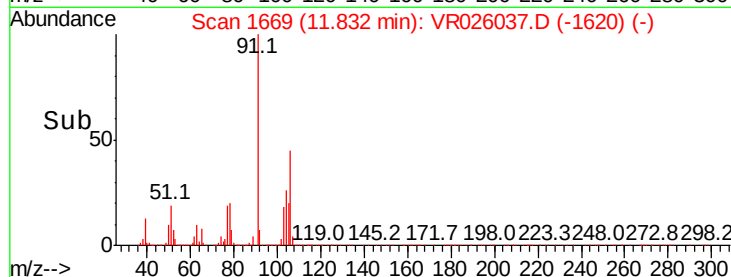
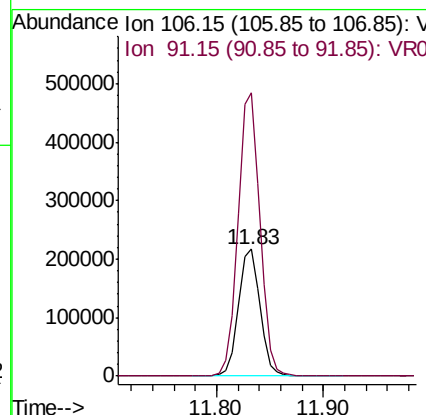
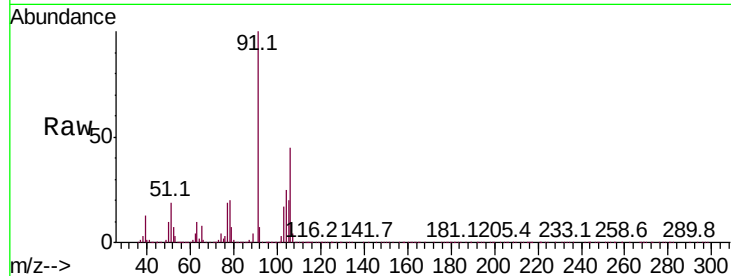




#54
o-Xylene
Concen: 5.259 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

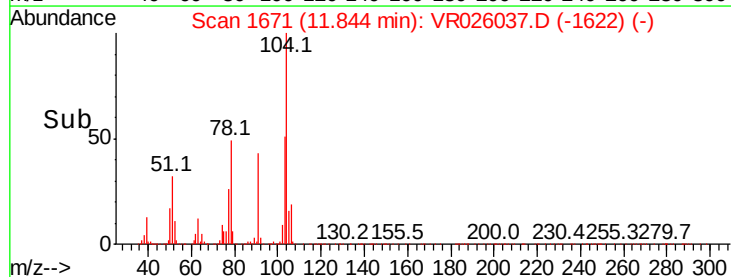
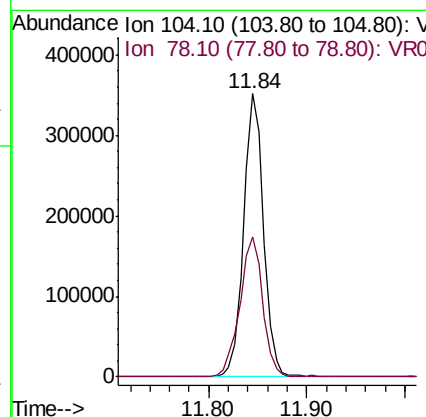
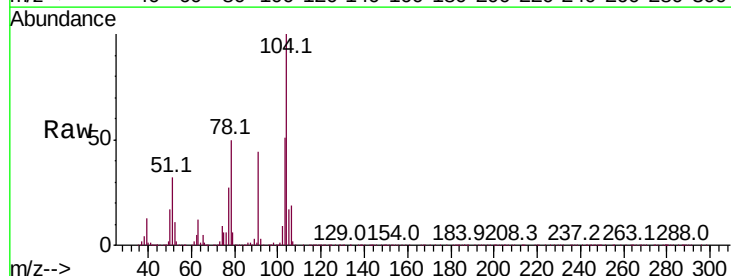
Instrument :
MSVOA_R
ClientSampled :

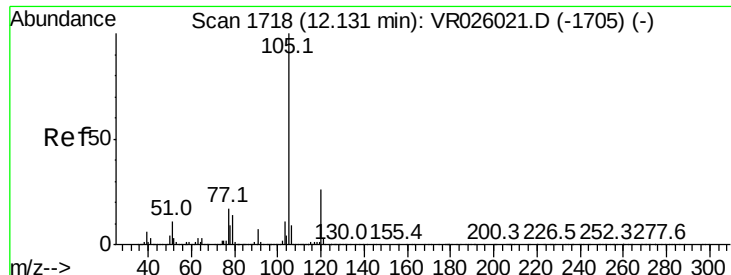
Tot Ion:106 Resp: 310558
Ion Ratio Lower Upper
106 100
91 222.6 164.5 305.5



#55
Styrene
Concen: 5.392 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026037.D
Acq: 11 Oct 2018 9:48

Tgt Ion:104 Resp: 495550
Ion Ratio Lower Upper
104 100
78 49.5 39.3 72.9





#56

Isopropylbenzene

Concen: 5.487 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

ClientSampled :

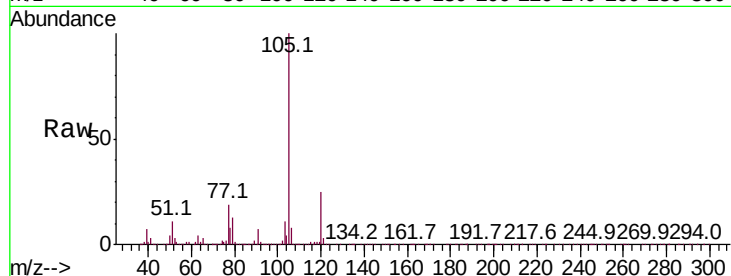
Tot Ion:105 Resp: 893567

Ion Ratio Lower Upper

105 100

120 25.5 19.8 29.8

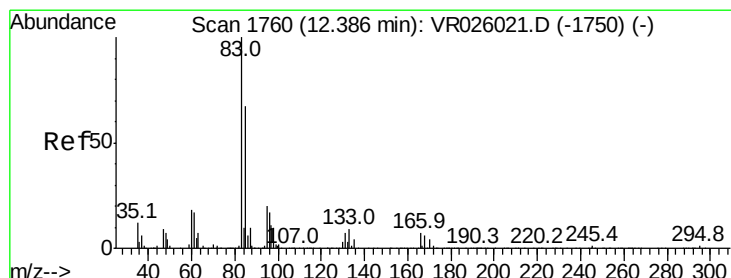
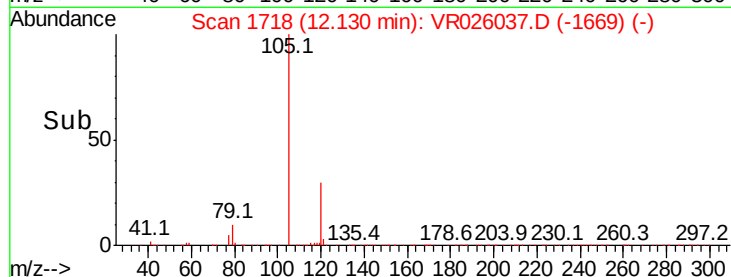
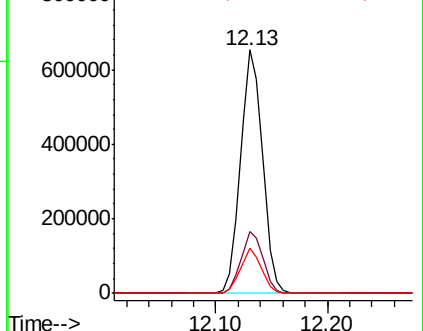
77 17.9 15.5 23.3



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: 5.134 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

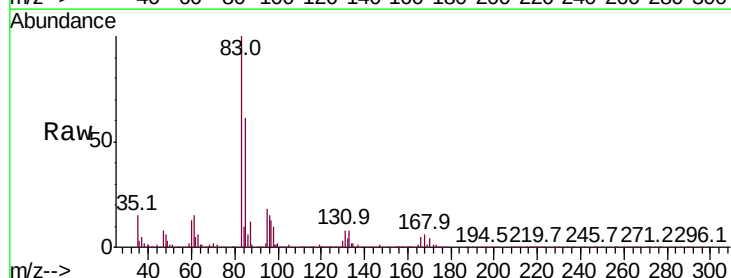
Tgt Ion: 83 Resp: 72121

Ion Ratio Lower Upper

83 100

85 61.2 45.8 85.0

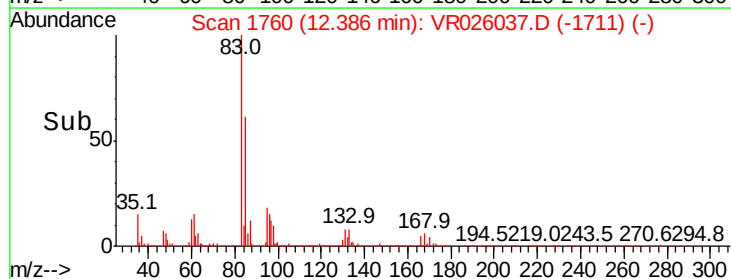
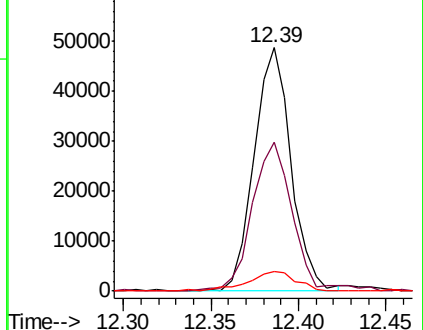
131 8.3 6.6 9.8

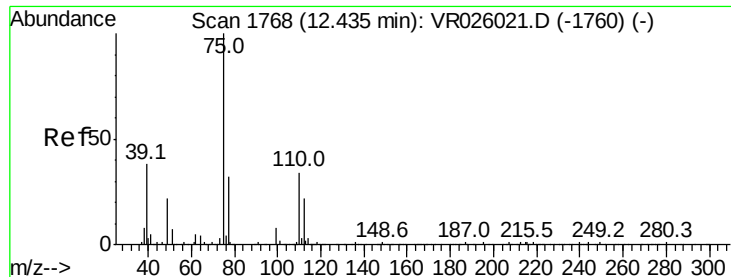


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.117 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

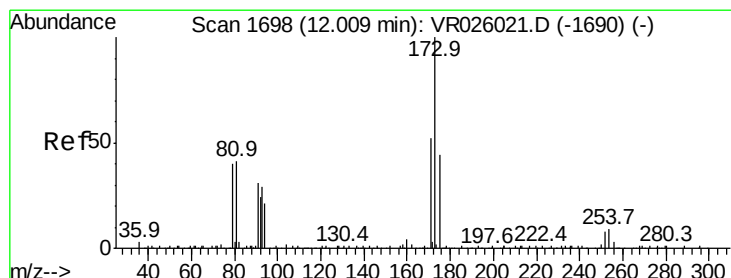
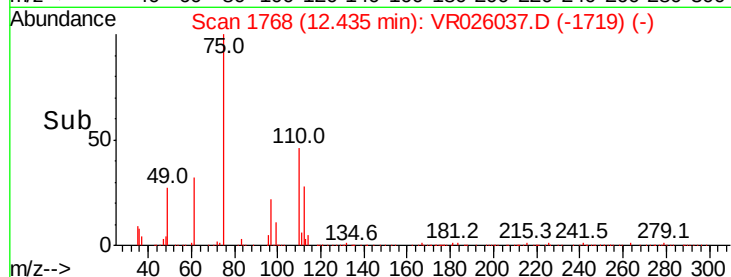
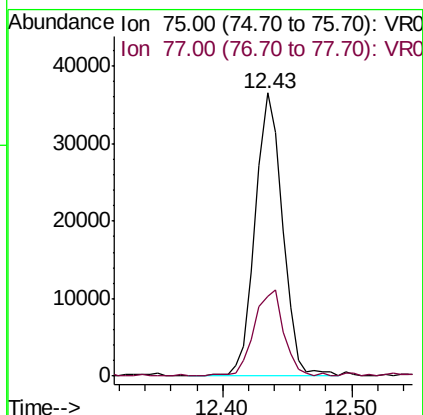
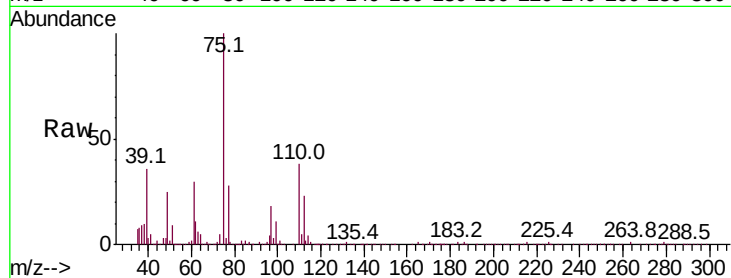
ClientSampleId :

Tot Ion: 75 Resp: 53498

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.6



#61

Bromoform

Concen: 5.365 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

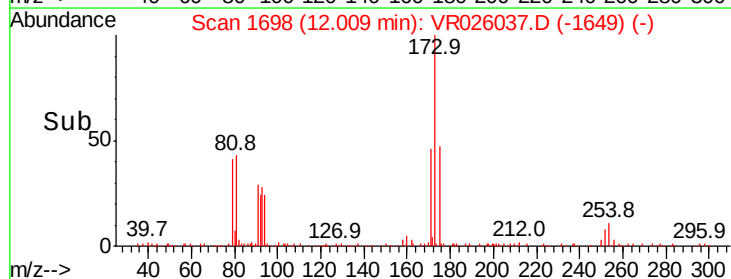
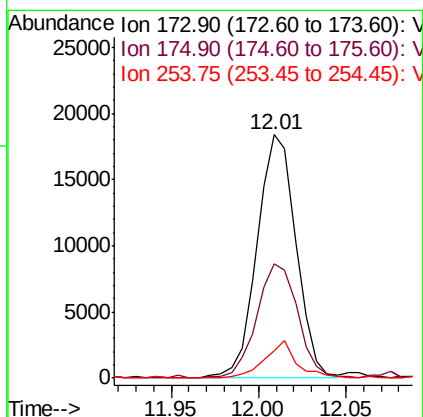
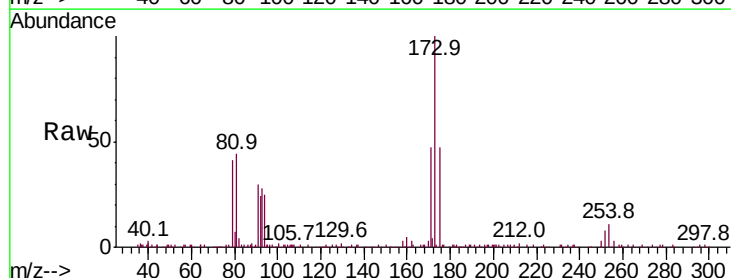
Tgt Ion: 173 Resp: 28431

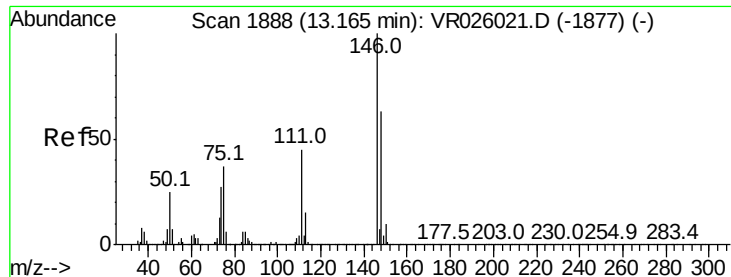
Ion Ratio Lower Upper

173 100

175 48.4 36.9 55.3

254 12.5 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.922 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026037.D

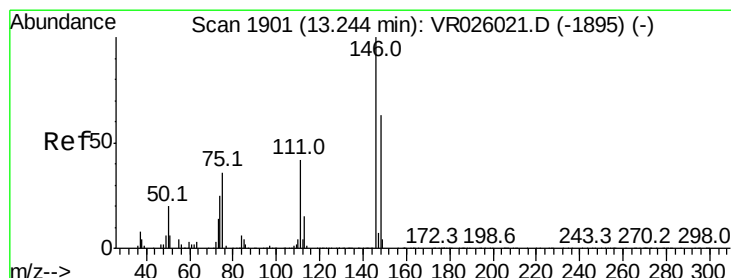
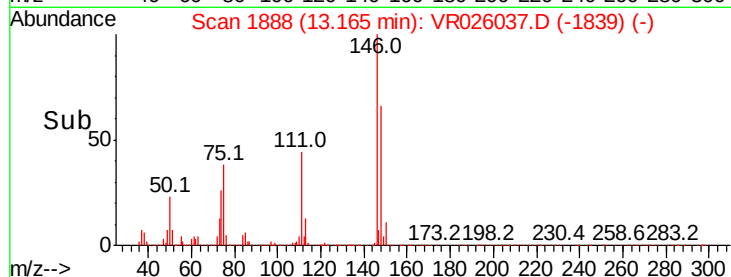
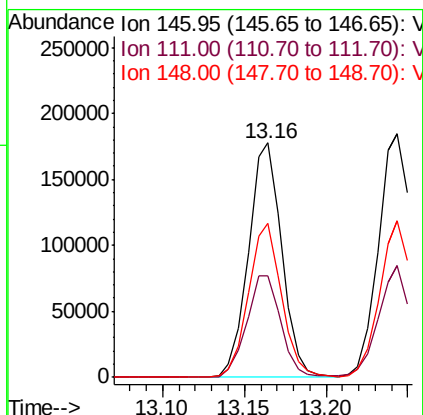
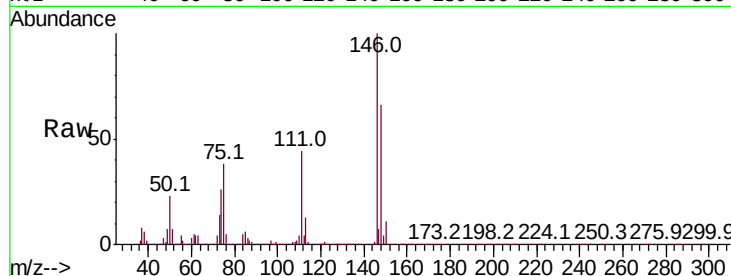
Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	252158
Ion Ratio	Lower	Upper	
146	100		
111	43.5	36.6	68.0
148	65.8	41.9	77.7



#63

1,4-Dichlorobenzene

Concen: 5.120 ug/L

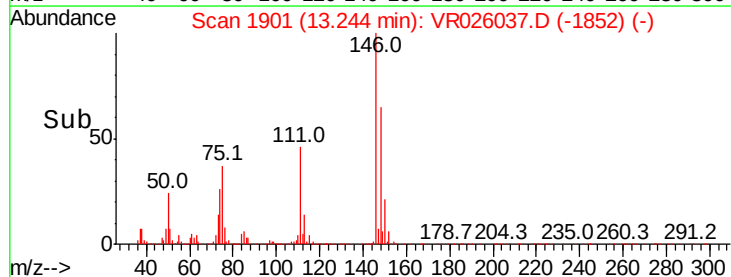
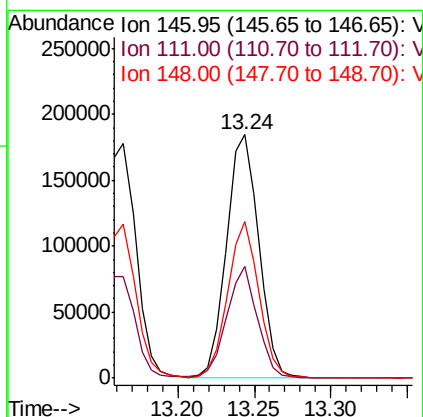
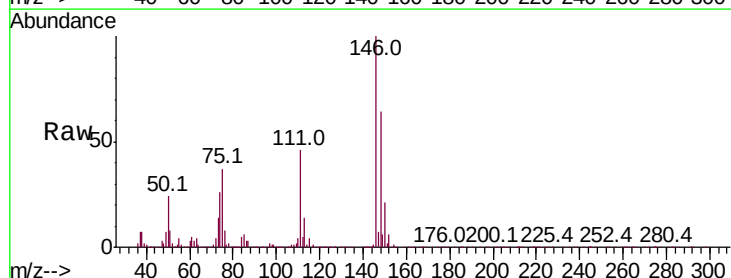
RT: 13.24 min Scan# 1901

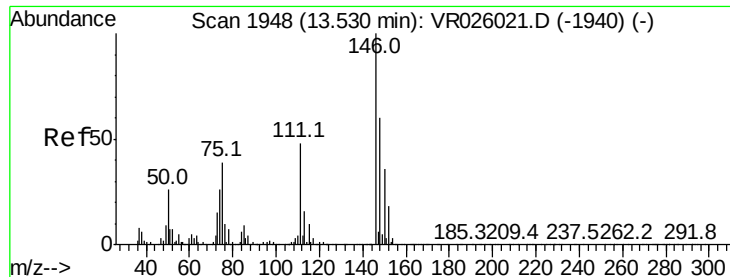
Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Tgt Ion:	146	Resp:	268321
Ion Ratio	Lower	Upper	
146	100		
111	45.7	32.9	61.1
148	64.5	45.5	84.5

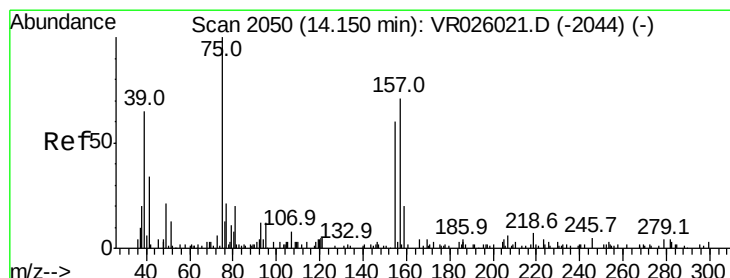
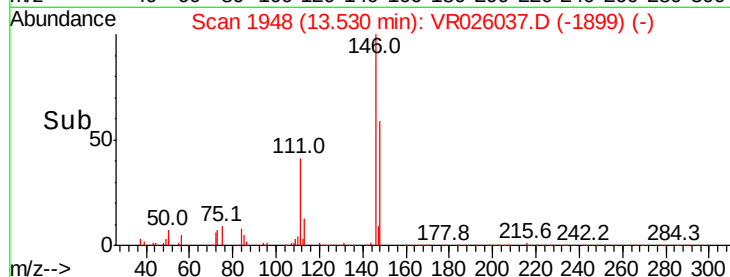
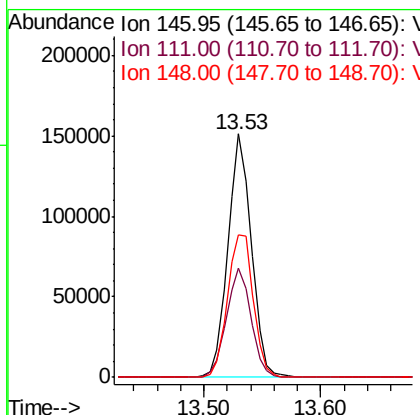
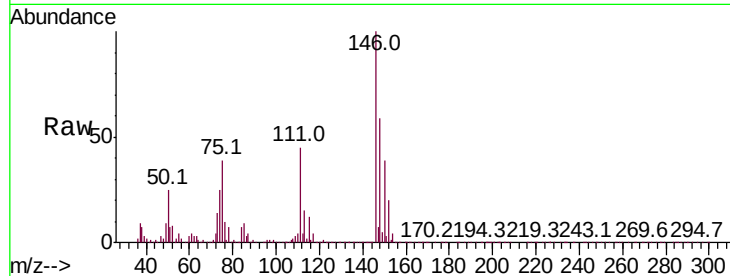




#65
 1,2-Dichlorobenzene
 Concen: 5.138 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

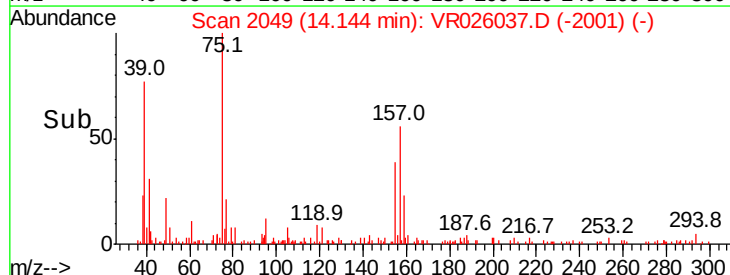
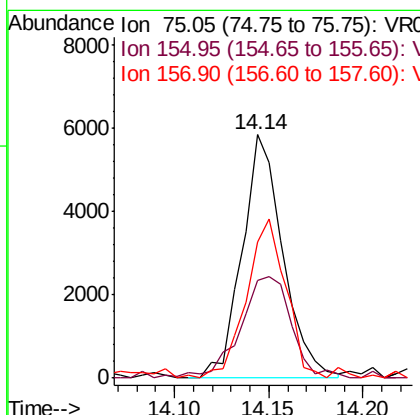
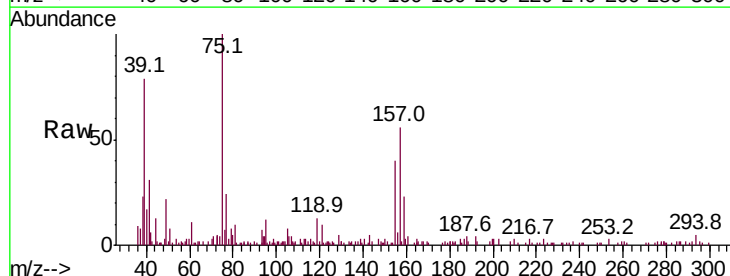
Instrument :
 MSVOA_R
 ClientSampleId :

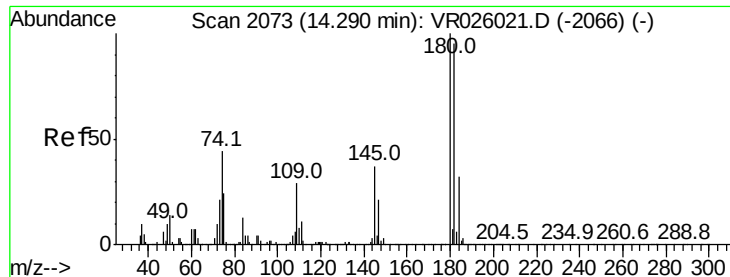
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	39.4	59.0
148	58.8	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.049 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.2	37.8	56.6
157	55.9	49.7	74.5

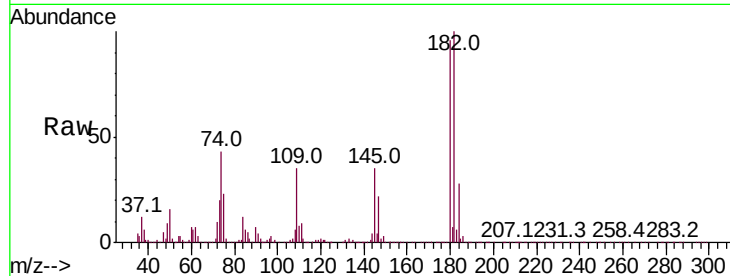




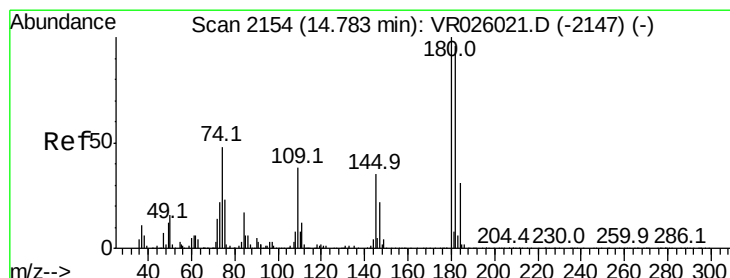
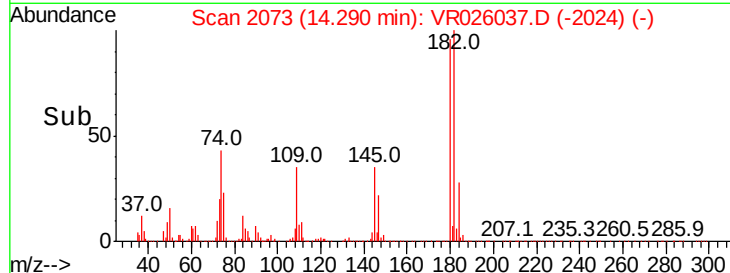
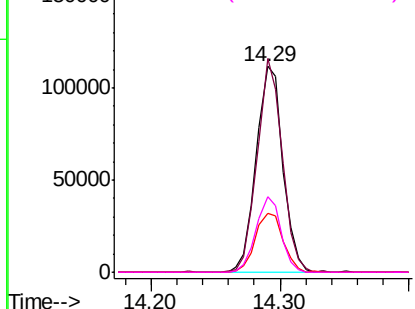
#67
 1,3,5-Trichlorobenzene
 Concen: 5.180 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	158086
Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.2	115.8
184	30.1	24.5	36.7
145	34.5	31.1	46.7

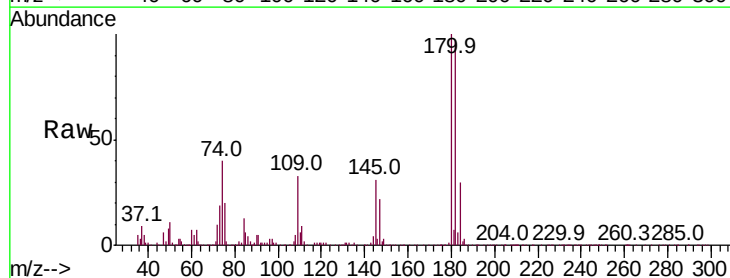


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

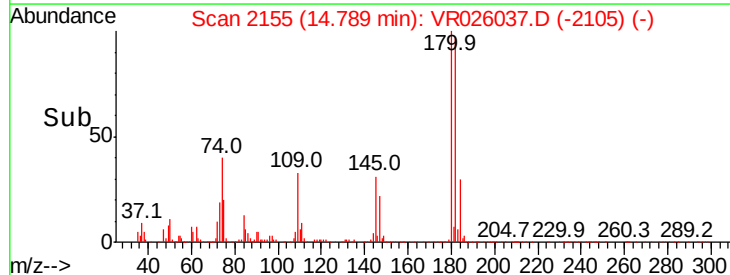
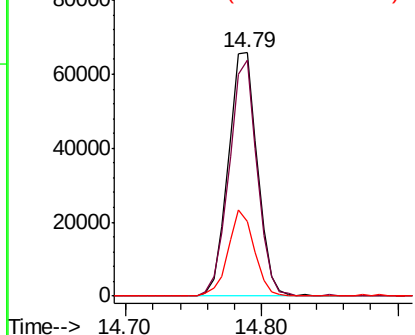


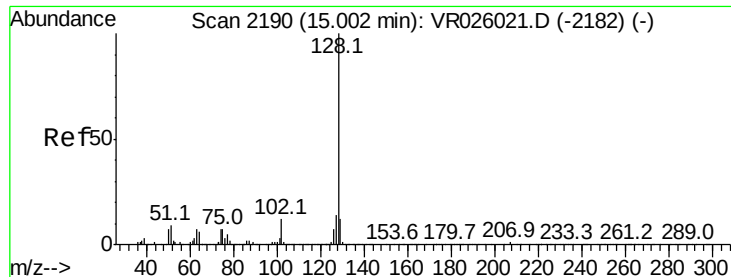
#68
 1,2,4-trichlorobenzene
 Concen: 5.015 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026037.D
 Acq: 11 Oct 2018 9:48

Tgt Ion:	180	Resp:	97568
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.2	112.8
145	31.9	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: 4.520 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

Instrument :

MSVOA_R

ClientSampled :

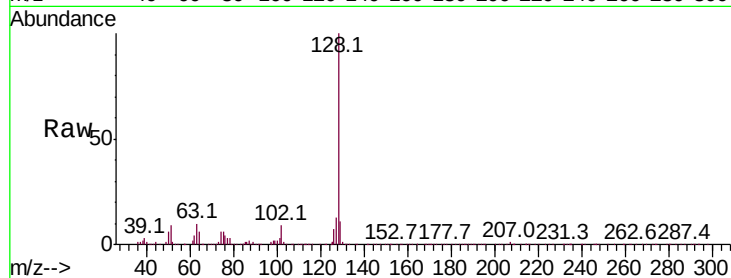
Tot Ion:128 Resp: 112232

Ion Ratio Lower Upper

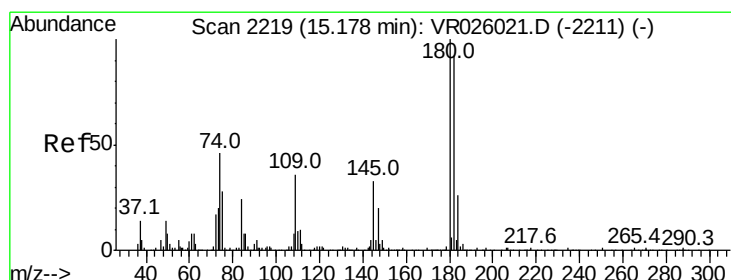
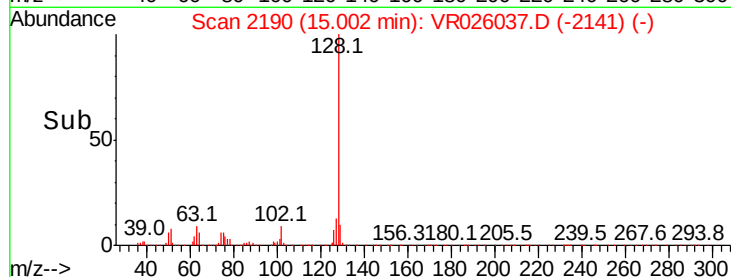
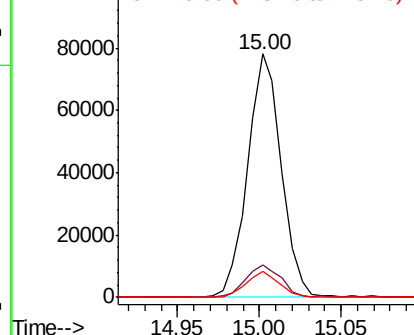
128 100

127 14.2 10.5 15.7

129 10.6 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: 5.222 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026037.D

Acq: 11 Oct 2018 9:48

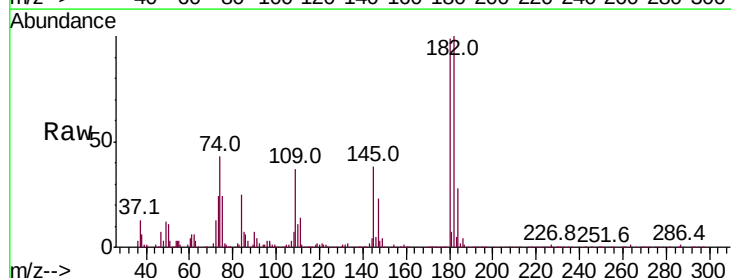
Tgt Ion:180 Resp: 70484

Ion Ratio Lower Upper

180 100

182 94.8 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

