

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
 Data File : VR025921.D
 Acq On : 2 Oct 2018 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 03 02:50:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 01:45:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	512706	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	435733	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	163809	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	182406	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	2.63	69	165436	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	3.63	63	443568	4.67	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	6.59	46	225849	50.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.22%
24) Chloroform-d	7.20	84	333738	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	7.90	65	145843	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	7.86	84	667857	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	8.90	67	182219	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	9.97	98	618243	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	10.24	79	45192	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	10.59	63	169474	50.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76247	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	119974	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	140502	4.508	ug/L 98
3) Chloromethane	2.01	50	220689	4.980	ug/L 98
5) Vinyl chloride	2.17	62	211886	4.804	ug/L 95
6) Bromomethane	2.52	94	138610	5.033	ug/L 93
8) Chloroethane	2.66	64	131076	5.223	ug/L 86
9) Trichlorofluoromethane	2.94	101	97354	1.590	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	188996	5.049	ug/L 96
12) 1,1-Dichloroethene	3.65	96	189654	4.900	ug/L 81
13) Acetone	3.70	43	166539	50.978	ug/L 98
14) Carbon disulfide	3.95	76	466136	4.975	ug/L 99
15) Methyl Acetate	4.19	43	40368	4.457	ug/L 100
16) Methylene chloride	4.40	84	168784	4.742	ug/L 91
17) Methyl tert-butyl Ether	4.90	73	200424	4.676	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	153170	4.785	ug/L 95
19) 1,1-Dichloroethane	5.69	63	298480	4.710	ug/L 97
21) 2-Butanone	6.69	43	208136	46.320	ug/L 96
22) cis-1,2-Dichloroethene	6.68	96	155470	4.827	ug/L # 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
 Data File : VR025921.D
 Acq On : 2 Oct 2018 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

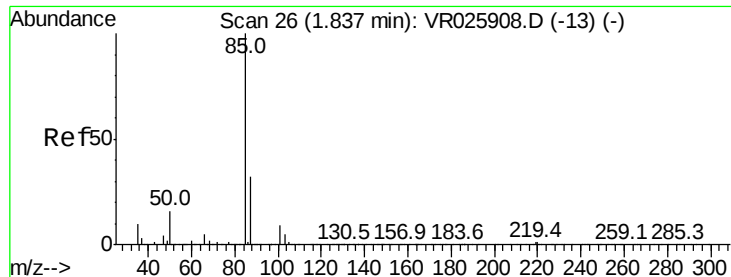
Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 03 02:50:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 01:45:34 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	7.06	128	42909	4.911	ug/L	83
25) Chloroform	7.23	83	289790	4.696	ug/L	94
27) 1,2-Dichloroethane	7.99	62	143832	4.671	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	241557	4.930	ug/L	99
30) Cyclohexane	7.52	56	273052	4.460	ug/L	97
31) Carbon tetrachloride	7.64	117	215222	5.072	ug/L	99
33) Benzene	7.91	78	683604	4.677	ug/L	100
34) Trichloroethene	8.71	95	174834	4.540	ug/L	95
35) Methylcyclohexane	8.95	83	274461	4.740	ug/L	96
37) 1,2-Dichloropropane	9.00	63	150003	4.784	ug/L	100
38) Bromodichloromethane	9.28	83	161391	4.771	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	179480	5.105	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	521380	47.292	ug/L	98
42) Toluene	10.04	91	726051	4.781	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	119668	5.214	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	63763	4.496	ug/L	96
47) Tetrachloroethene	10.51	164	112060	4.723	ug/L	94
48) 2-Hexanone	10.63	43	346722	48.035	ug/L	99
49) Dibromochloromethane	10.79	129	68778	4.779	ug/L	100
50) 1,2-Dibromoethane	10.89	107	55557	4.965	ug/L	93
51) Chlorobenzene	11.32	112	385962	4.791	ug/L	94
52) Ethylbenzene	11.39	91	844636	4.873	ug/L	99
53) m,p-Xylene	11.50	106	300544	4.870	ug/L	92
54) o-Xylene	11.83	106	281184	4.895	ug/L	92
55) Styrene	11.84	104	445453	4.983	ug/L	94
56) Isopropylbenzene	12.13	105	793117	5.006	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	63424	4.642	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	46625	4.585	ug/L	96
61) Bromoform	12.01	173	23428	4.731	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	228853	4.780	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	224921	4.593	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	176619	4.592	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	5855	3.620	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	135841	4.763	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	85611	4.709	ug/L	98
69) Naphthalene	15.00	128	105221	4.535	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	58953	4.674	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.508 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

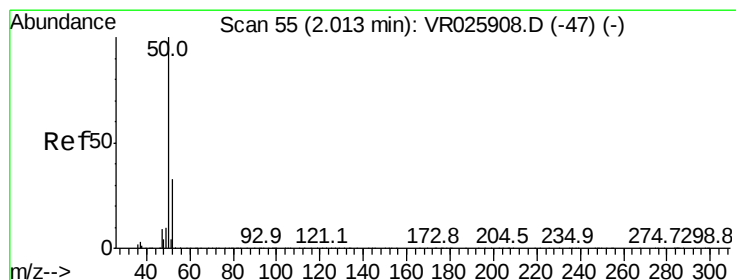
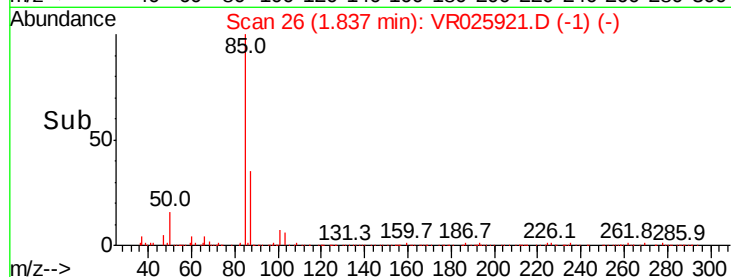
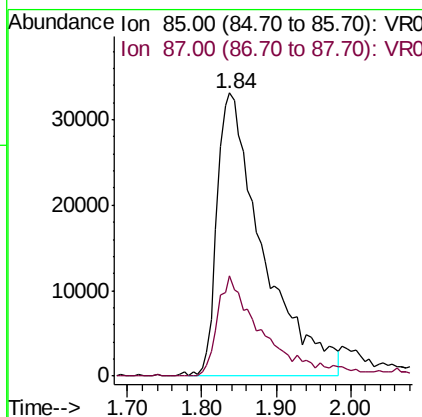
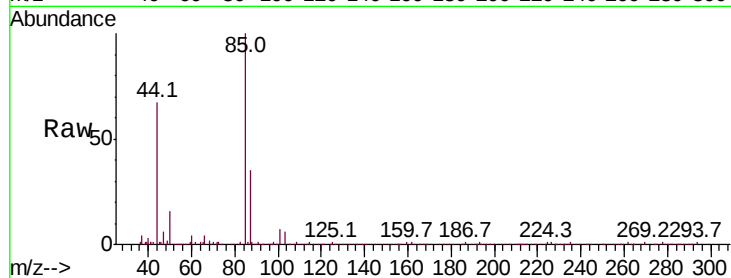
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 140502

Ion Ratio Lower Upper

85 100

87 32.6 25.1 37.7



#3

Chloromethane

Concen: 4.980 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025921.D

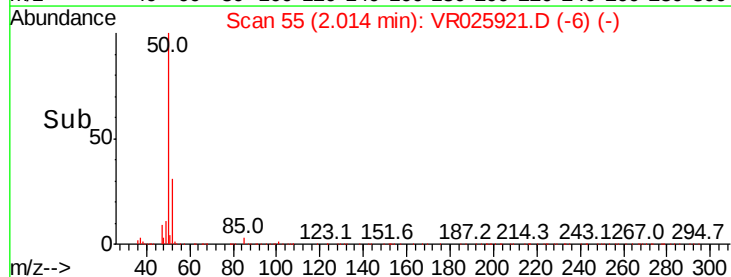
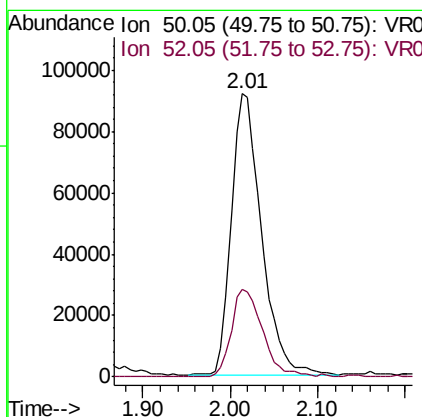
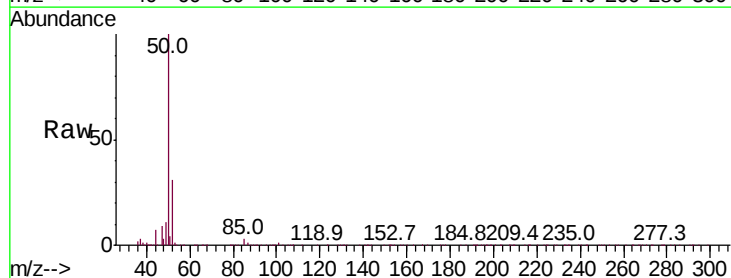
Acq: 2 Oct 2018 10:17

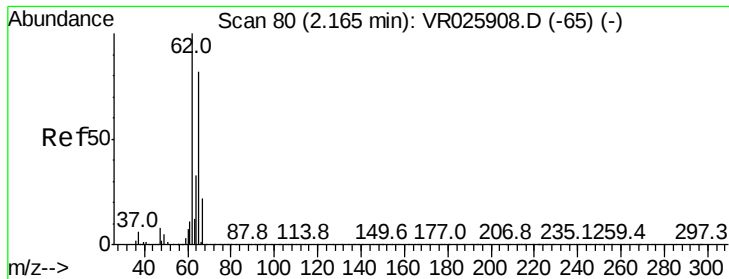
Tgt Ion: 50 Resp: 220689

Ion Ratio Lower Upper

50 100

52 30.7 22.1 41.1





#5

Vinyl chloride

Concen: 4.804 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

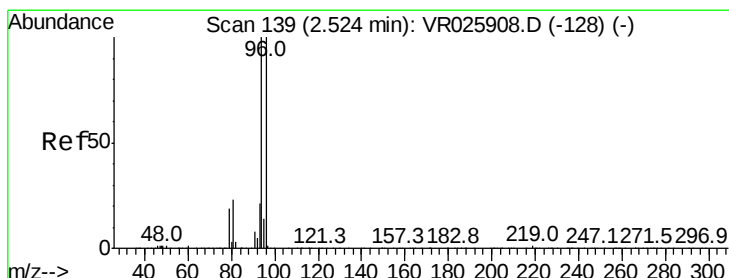
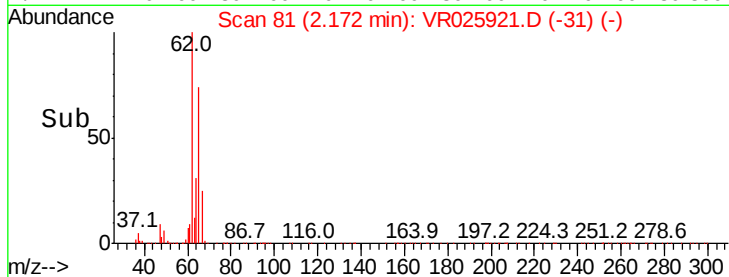
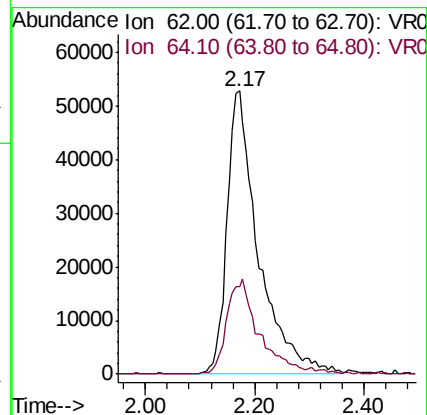
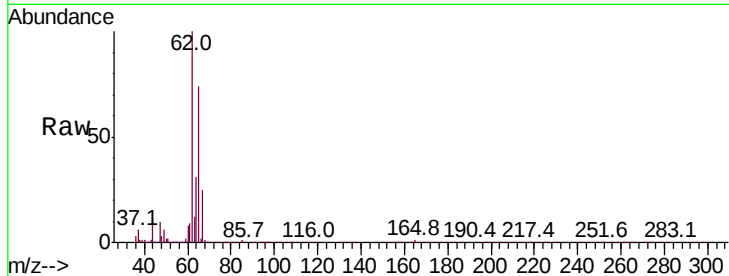
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 62 Resp: 211886

Ion Ratio Lower Upper

62 100

64 30.8 23.5 43.7



#6

Bromomethane

Concen: 5.033 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025921.D

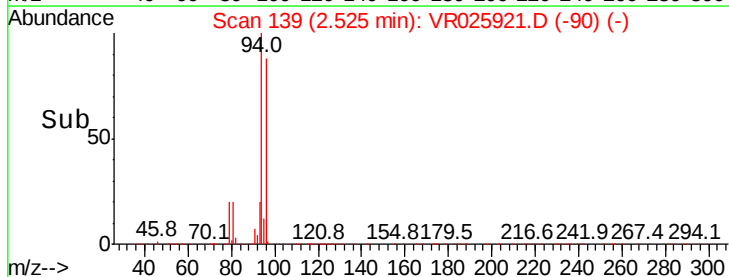
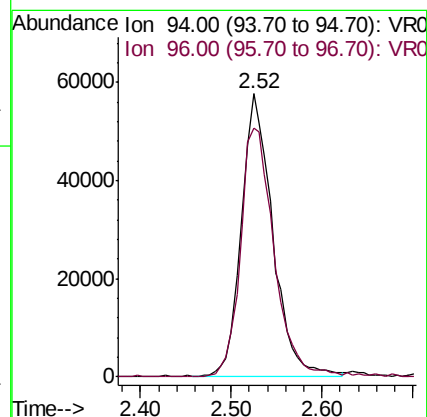
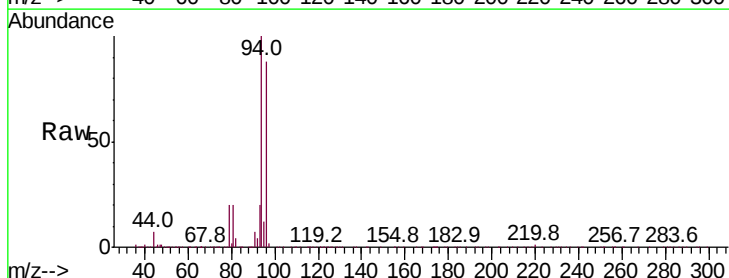
Acq: 2 Oct 2018 10:17

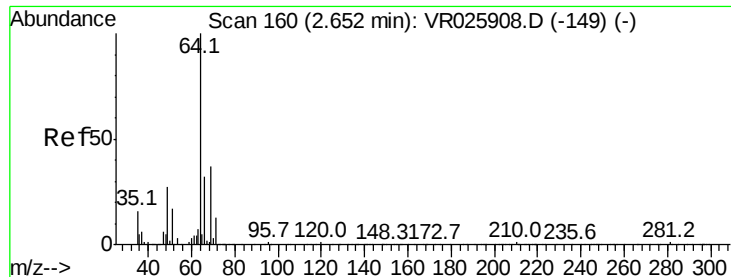
Tgt Ion: 94 Resp: 138610

Ion Ratio Lower Upper

94 100

96 88.1 66.1 122.8





#8

Chloroethane

Concen: 5.223 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

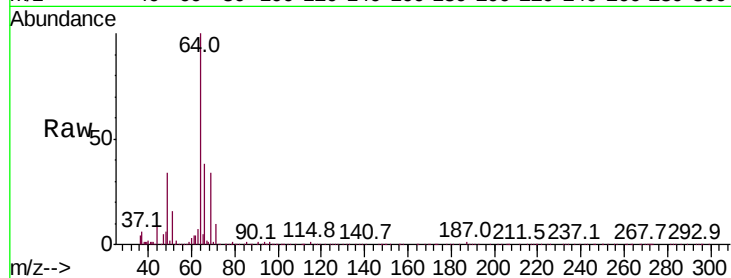
ClientSampled :

Tot Ion: 64 Resp: 131076

Ion Ratio Lower Upper

64 100

66 38.3 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

50000

40000

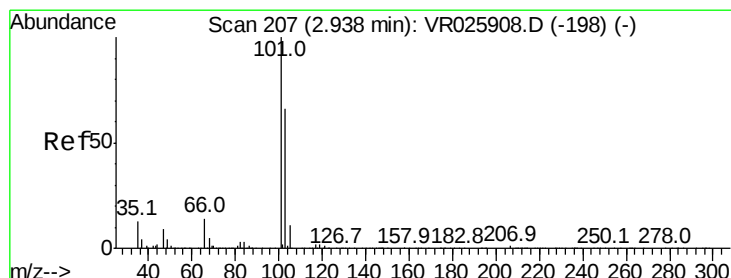
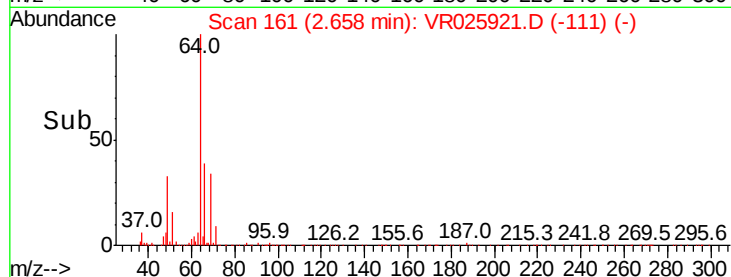
30000

20000

10000

0

Time--> 2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.590 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR025921.D

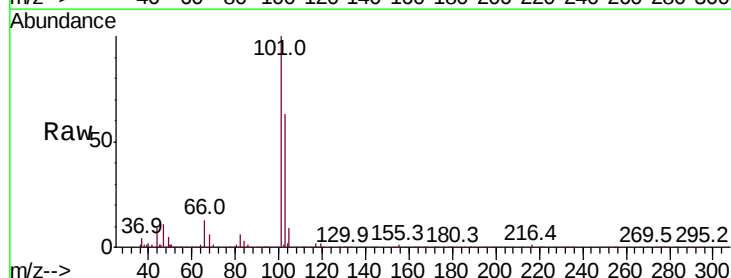
Acq: 2 Oct 2018 10:17

Tgt Ion: 101 Resp: 97354

Ion Ratio Lower Upper

101 100

103 83.6 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

40000

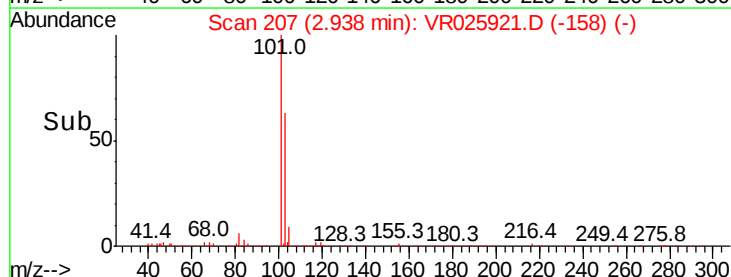
30000

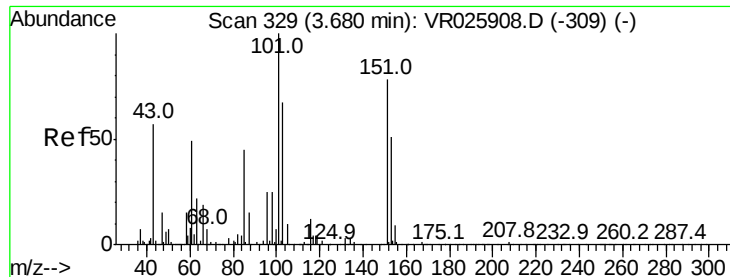
20000

10000

0

Time--> 2.85 2.90 2.95





#10

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

Concen: 5.049 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

ClientSampleId :

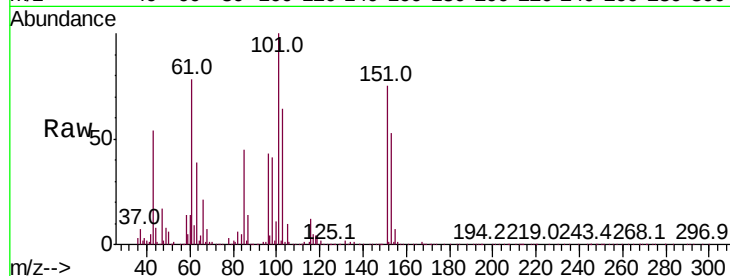
Tot Ion:101 Resp: 188996

Ion Ratio Lower Upper

101 100

85 46.7 38.2 57.4

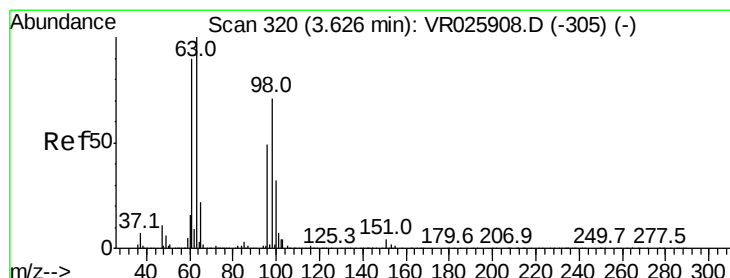
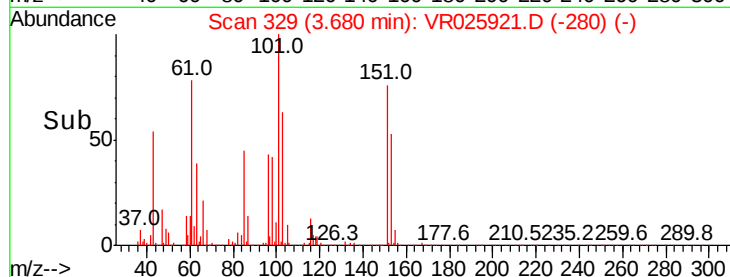
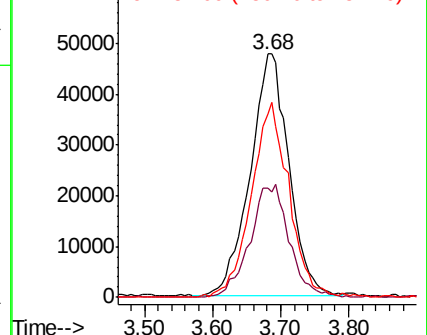
151 78.0 58.4 87.6



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: 4.900 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.02 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

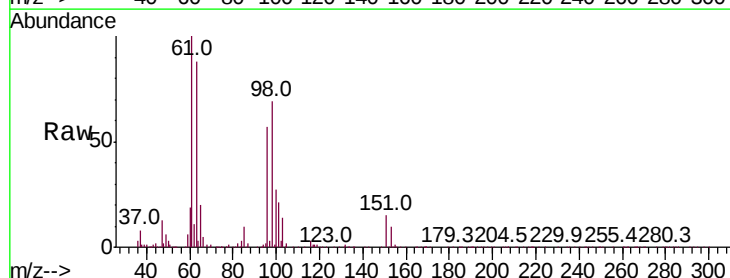
Tgt Ion: 96 Resp: 189654

Ion Ratio Lower Upper

96 100

61 174.3 145.0 269.4

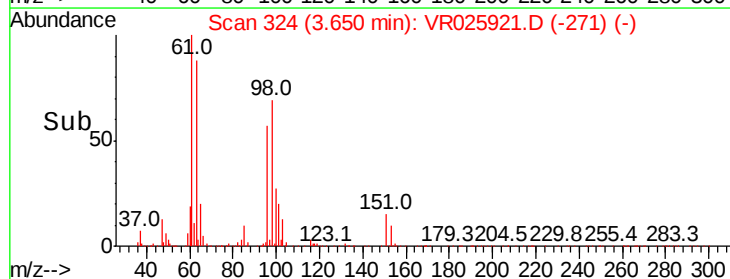
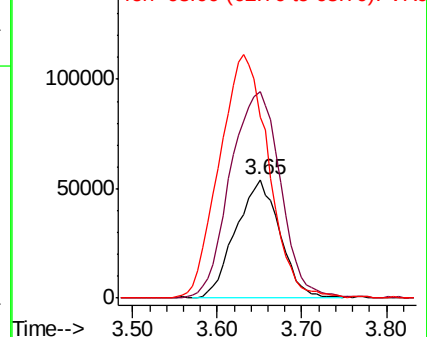
63 152.8 123.8 230.0

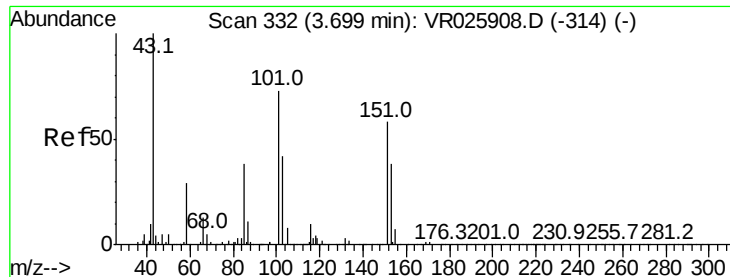


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 50.978 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

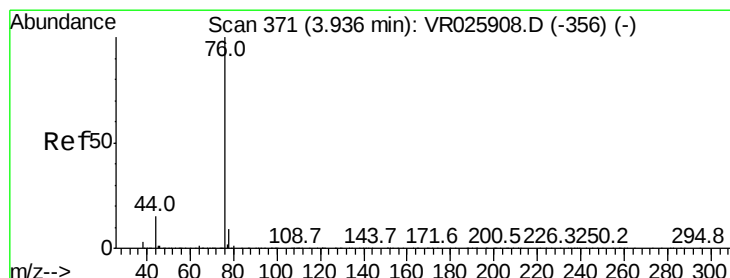
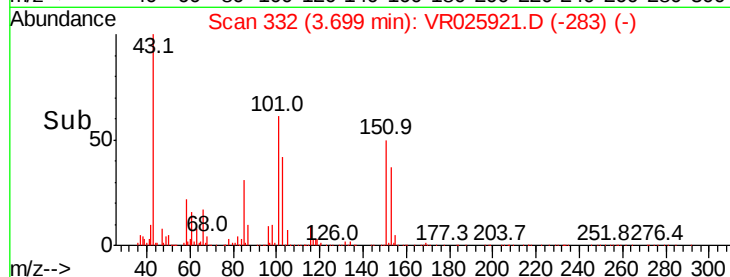
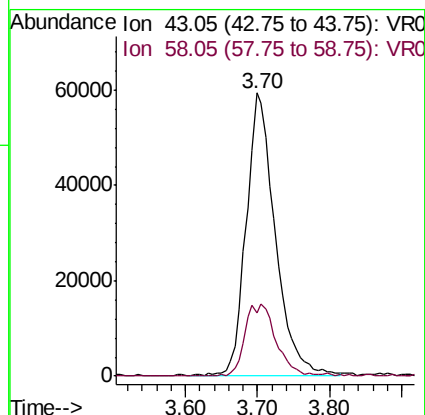
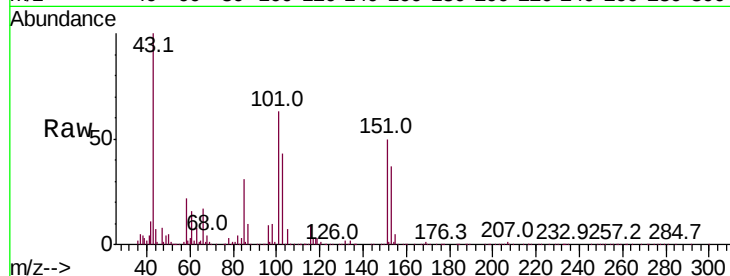
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 166539

Ion Ratio Lower Upper

43 100

58 26.9 0.0 51.4



#14

Carbon disulfide

Concen: 4.975 ug/L

RT: 3.95 min Scan# 374

Delta R.T. 0.02 min

Lab File: VR025921.D

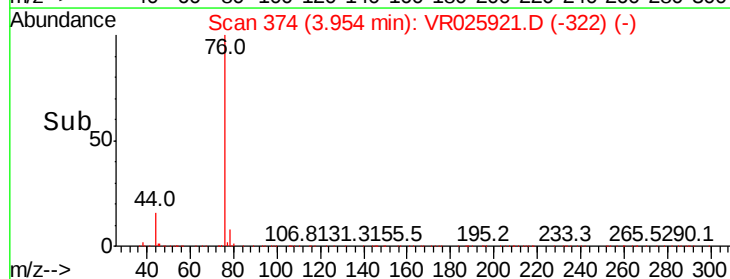
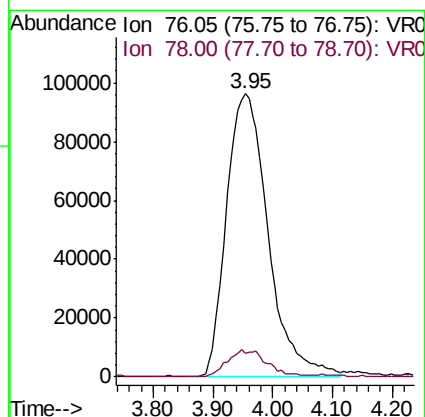
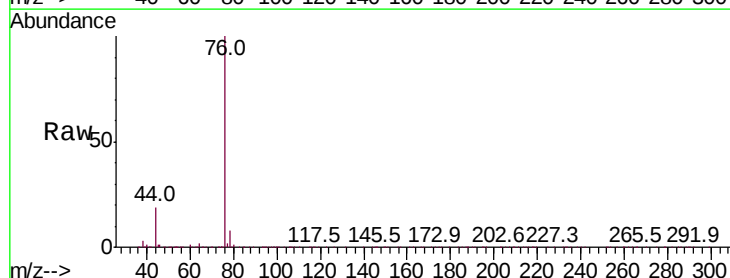
Acq: 2 Oct 2018 10:17

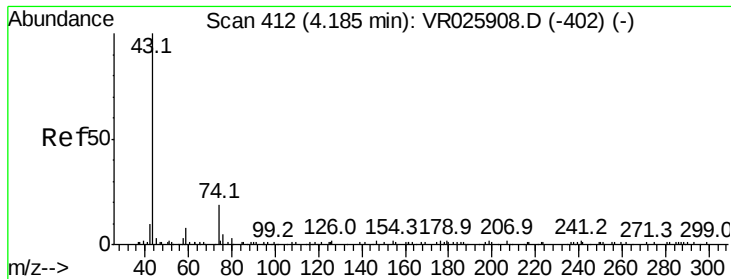
Tgt Ion: 76 Resp: 466136

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6

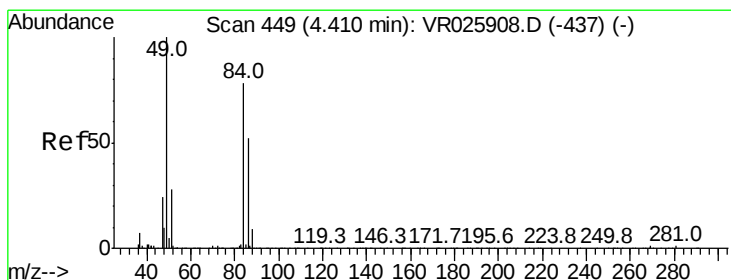
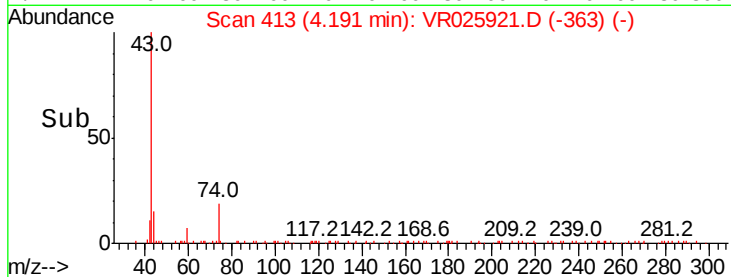
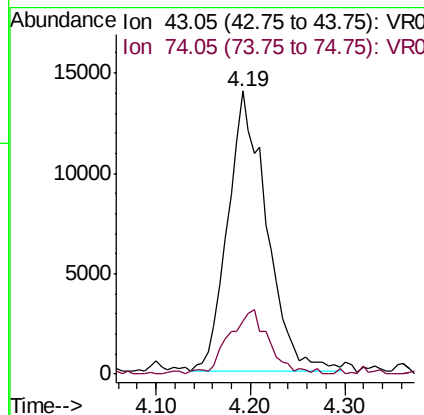
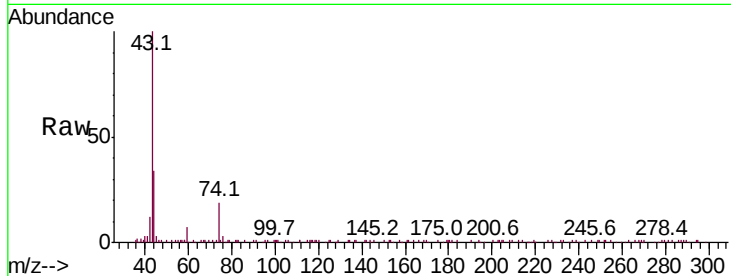




#15
Methyl Acetate
Concen: 4.457 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

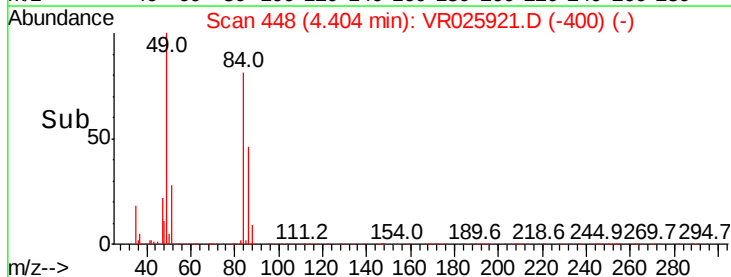
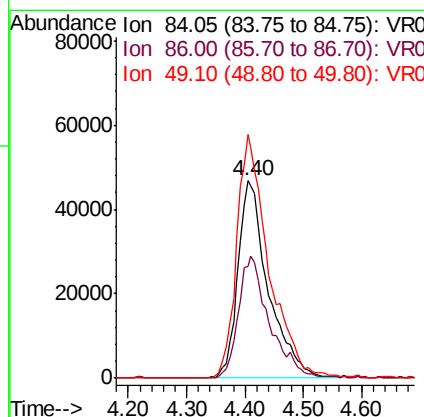
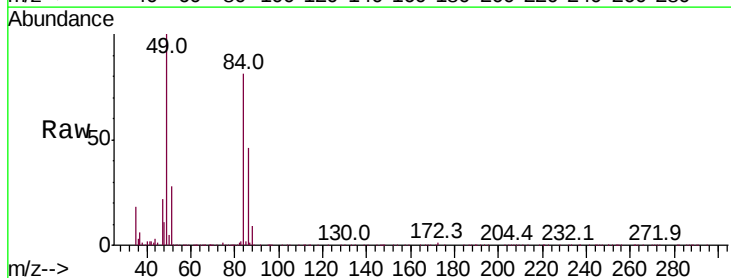
Instrument :
MSVOA_R
ClientSampleId :

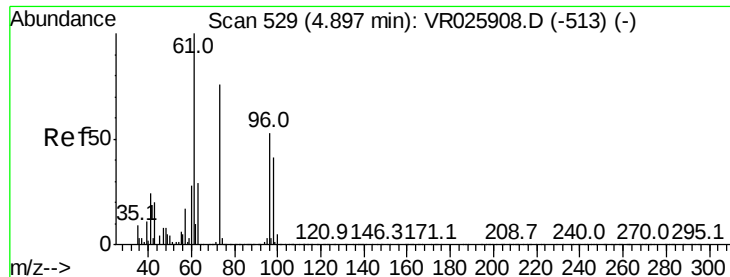
Tot Ion: 43 Resp: 40368
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.4



#16
Methylene chloride
Concen: 4.742 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion: 84 Resp: 168784
Ion Ratio Lower Upper
84 100
86 56.5 43.1 80.1
49 123.6 95.5 177.3

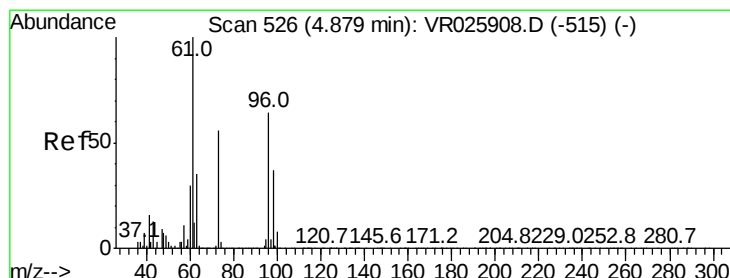
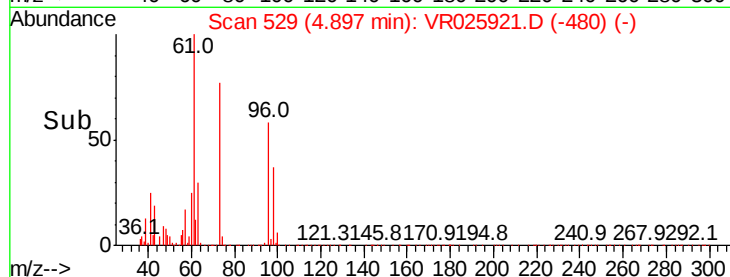
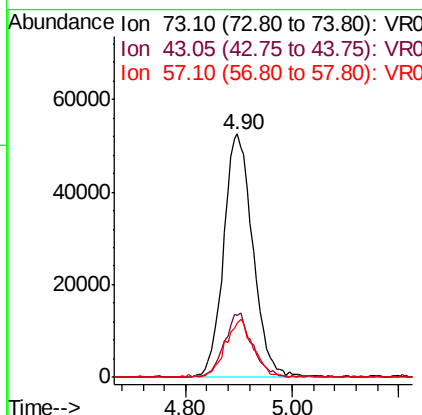
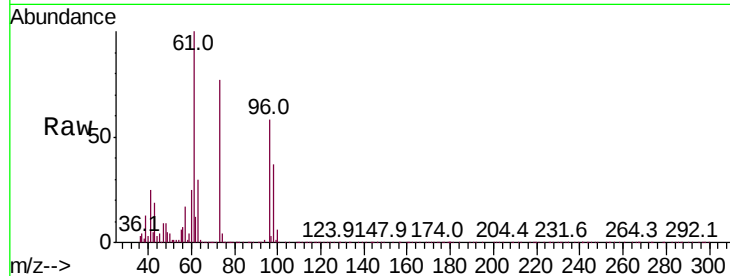




#17
Methvl tert-butvl Ether
Concen: 4.676 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

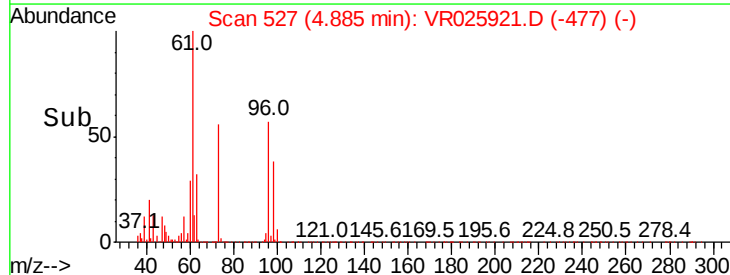
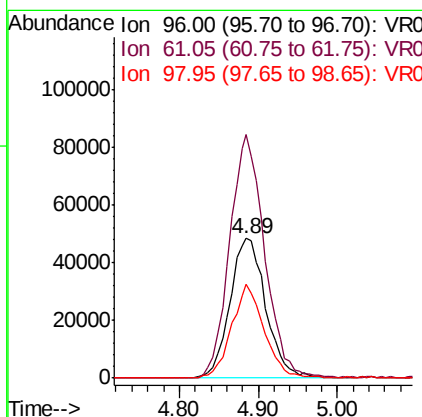
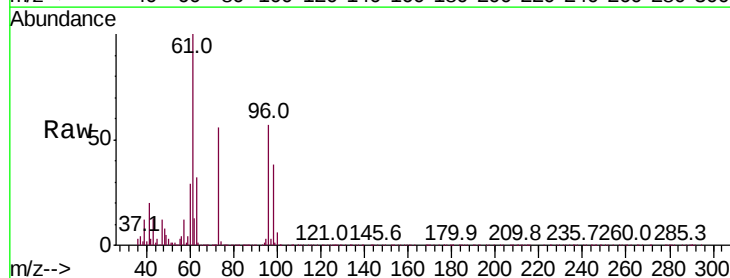
Instrument :
MSVOA_R
ClientSampled :

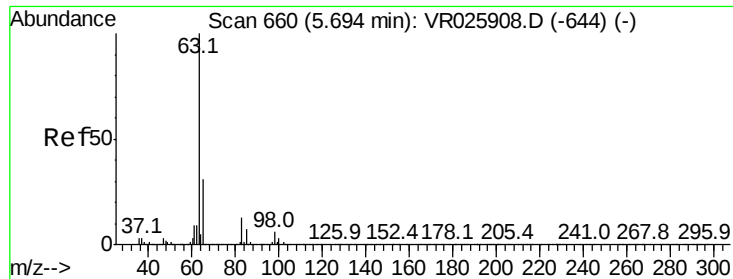
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.2	19.8	29.8
57	22.5	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.785 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	127.4	236.6
98	67.1	43.8	81.3

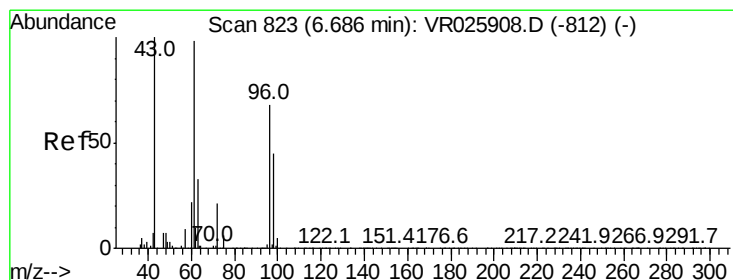
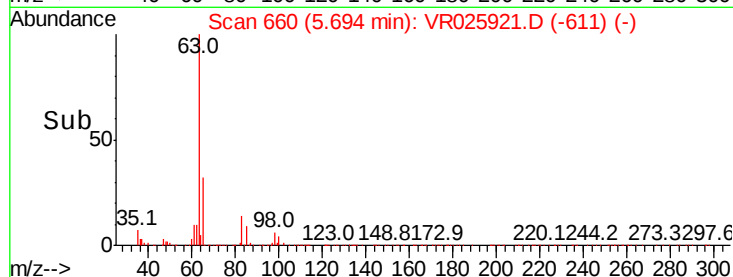
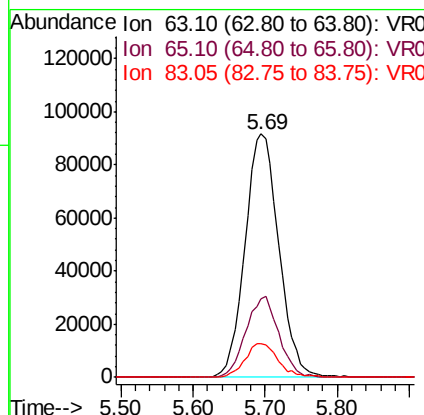
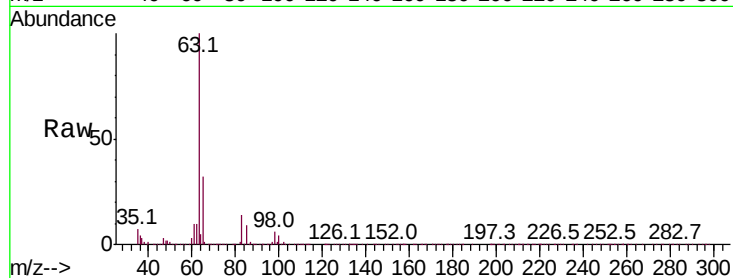




#19
 1,1-Dichloroethane
 Concen: 4.710 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

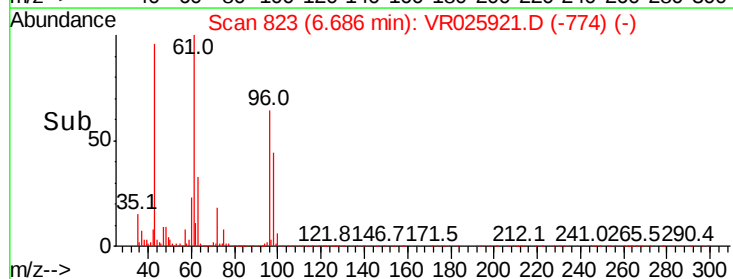
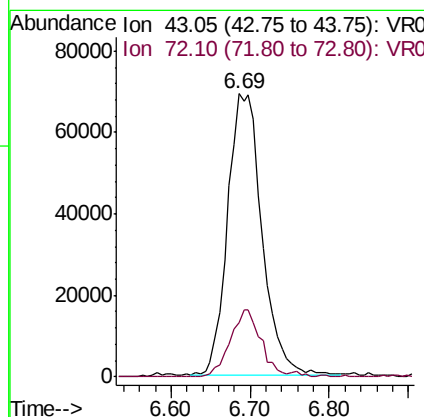
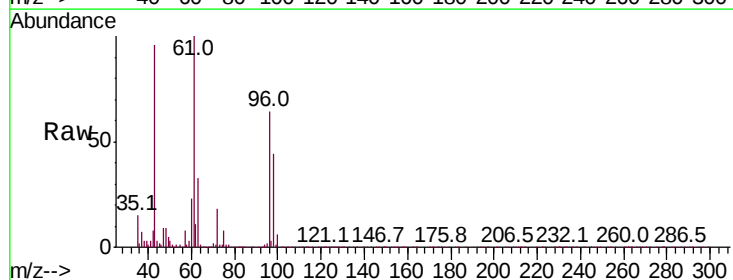
Instrument :
 MSVOA_R
 ClientSampleId :

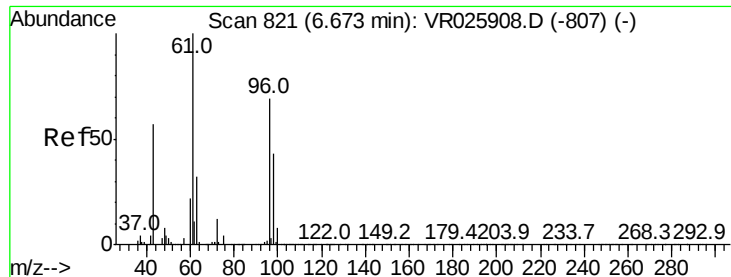
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.1	39.1
83	13.7	8.9	16.5



#21
 2-Butanone
 Concen: 46.320 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	11.9	35.7



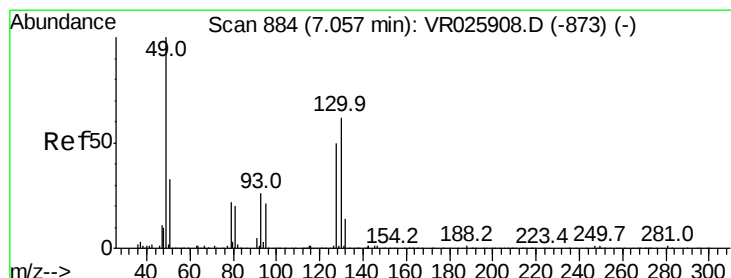
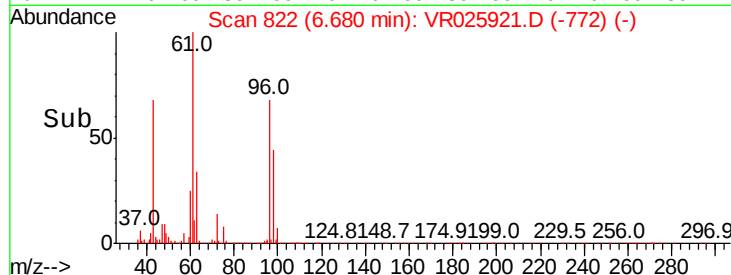
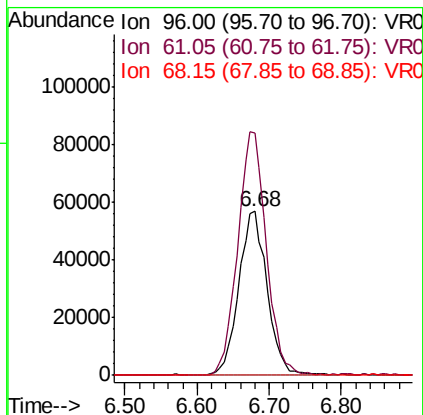
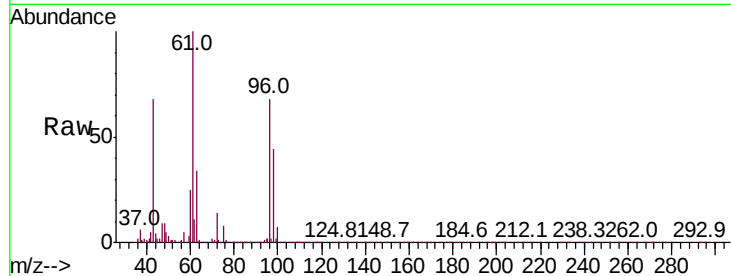


#22

cis-1,2-Dichloroethene
Concen: 4.827 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Instrument :
MSVOA_R
ClientSampled :

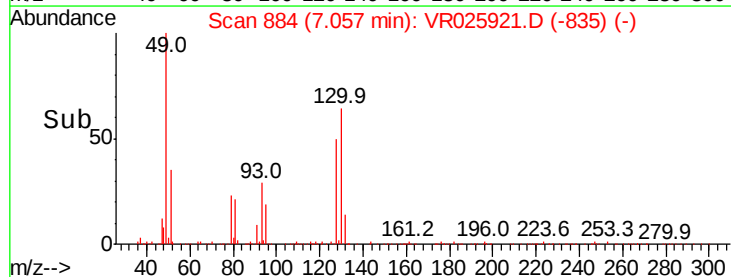
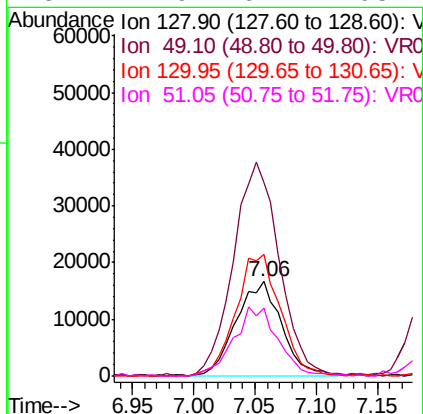
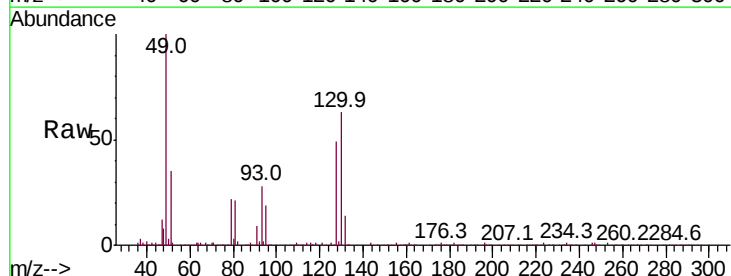
Tot Ion: 96 Resp: 155470
Ion Ratio Lower Upper
96 100
61 147.2 108.7 201.9
68 0.2 0.1 0.1#

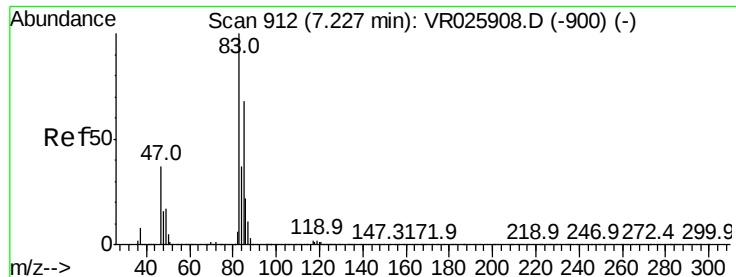


#23

Bromochloromethane
Concen: 4.911 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion: 128 Resp: 42909
Ion Ratio Lower Upper
128 100
49 204.3 175.0 325.0
130 129.0 85.6 159.0
51 71.9 62.2 93.2

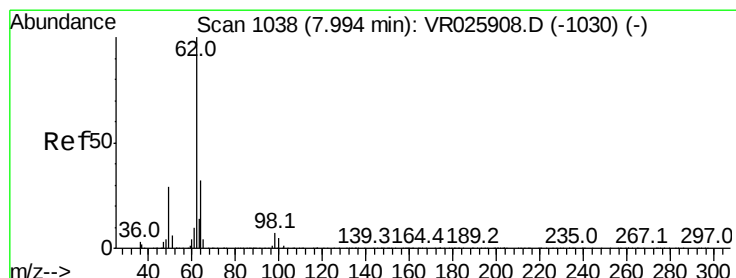
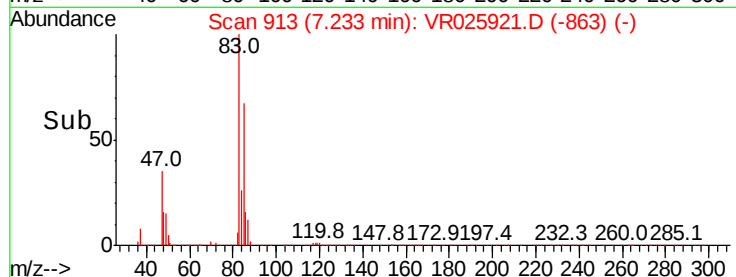
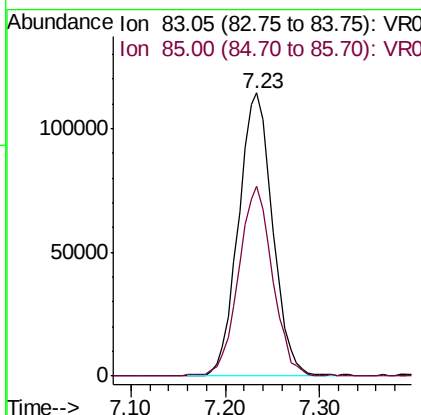
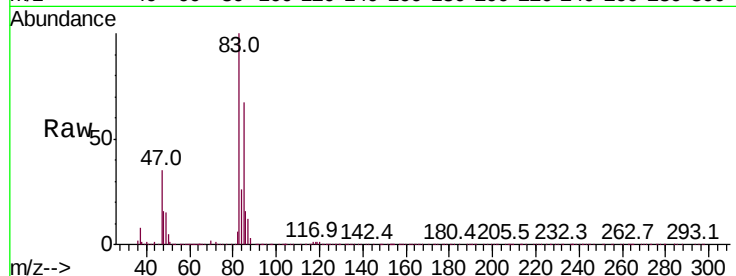




#25
Chloroform
Concen: 4.696 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

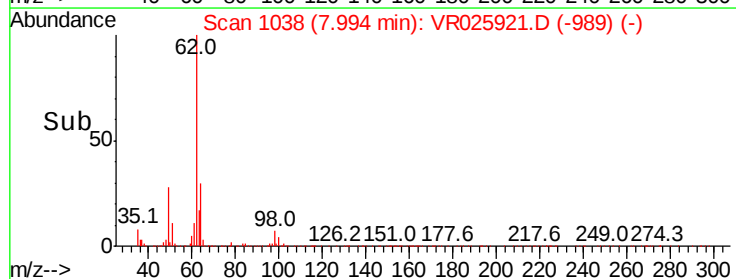
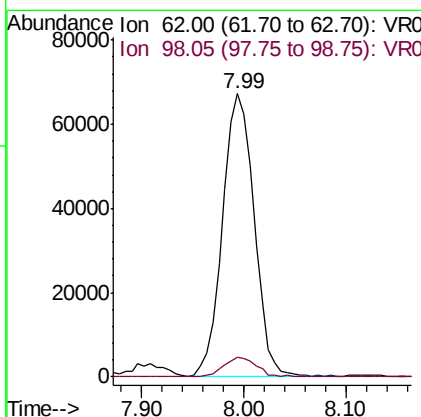
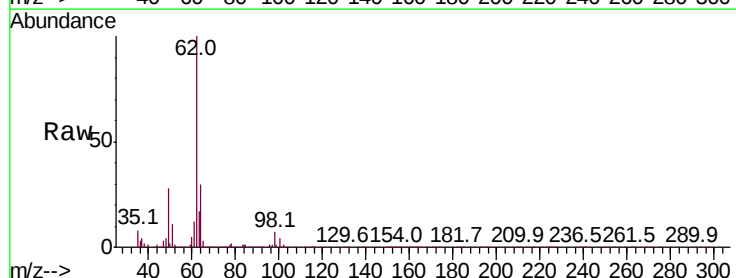
Instrument :
MSVOA_R
ClientSampleId :

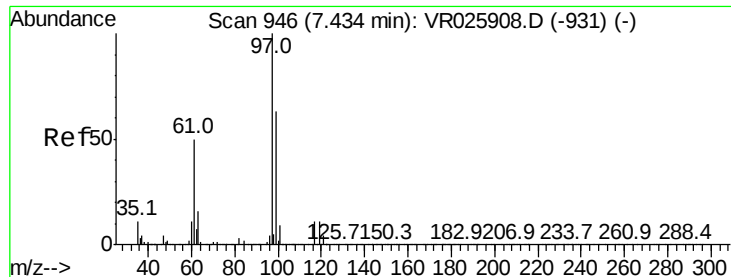
Tot Ion: 83 Resp: 289790
Ion Ratio Lower Upper
83 100
85 67.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.671 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion: 62 Resp: 143832
Ion Ratio Lower Upper
62 100
98 7.0 5.2 7.8

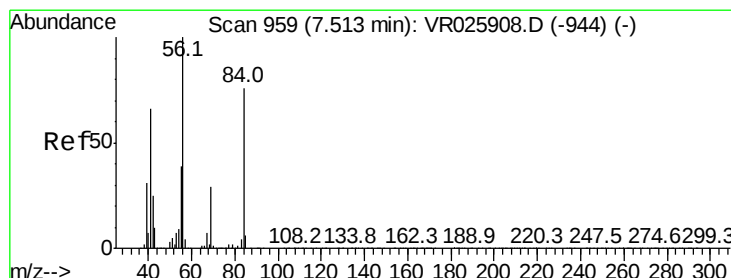
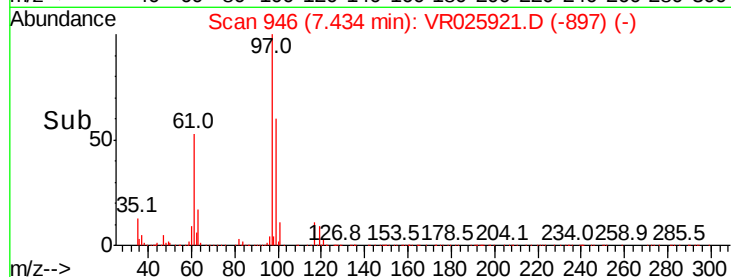
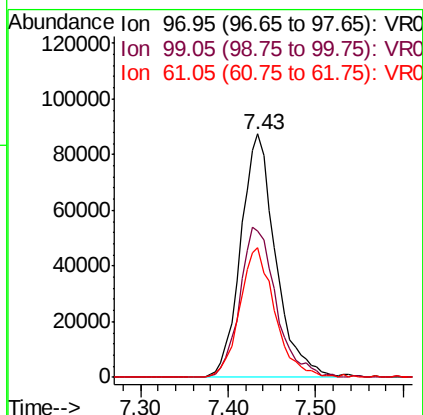
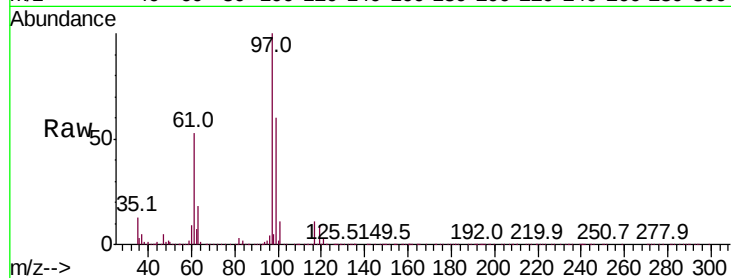




#29
 1,1,1-Trichloroethane
 Concen: 4.930 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

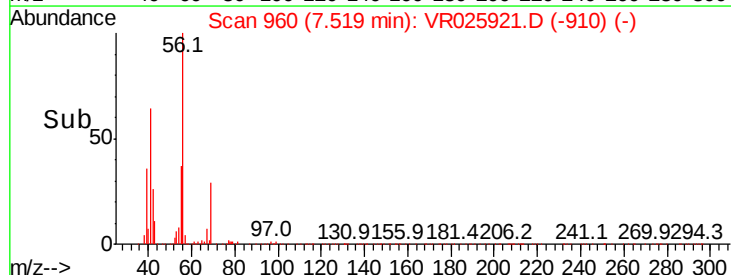
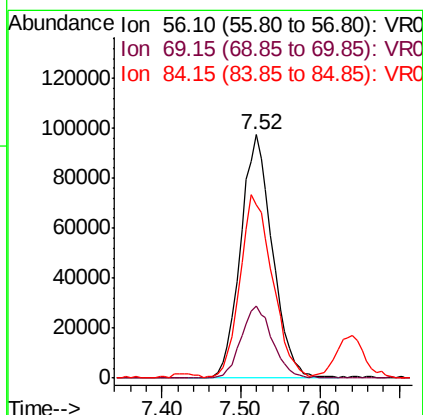
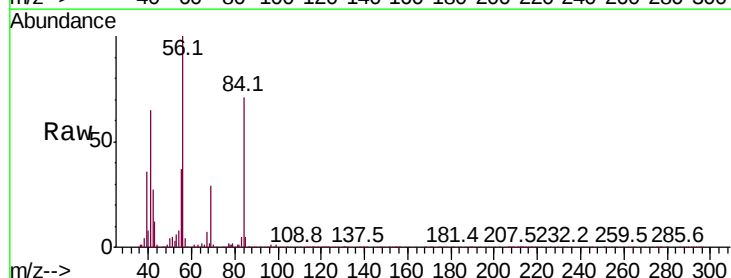
Instrument :
 MSVOA_R
 ClientSampled :

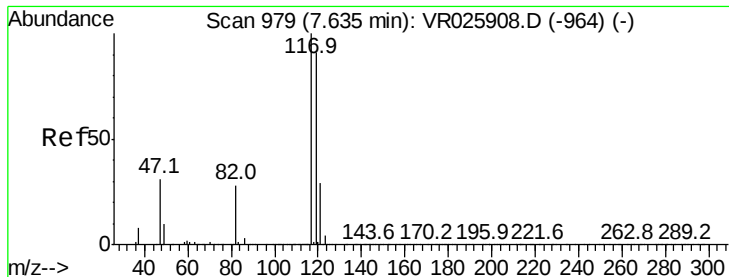
Tot Ion	97	Resp	241557
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.6
61	53.5	41.6	62.4



#30
 Cyclohexane
 Concen: 4.460 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Tgt Ion	56	Resp	273052
Ion Ratio	Lower	Upper	
56	100		
69	29.1	24.8	37.2
84	76.8	59.8	89.8



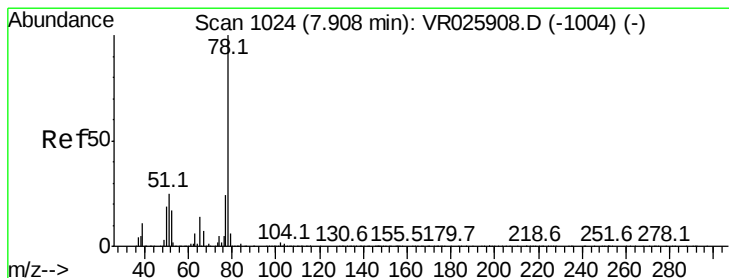
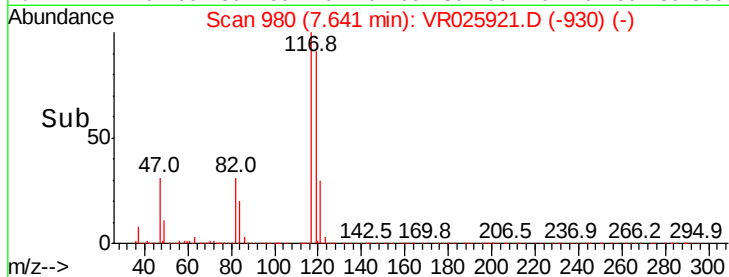
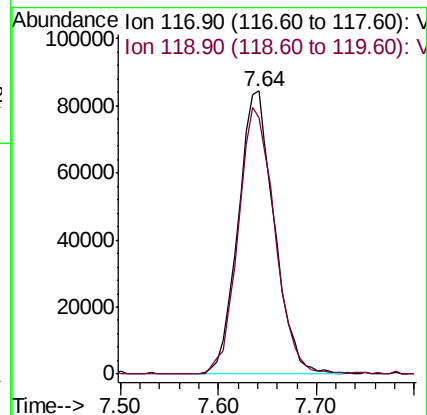
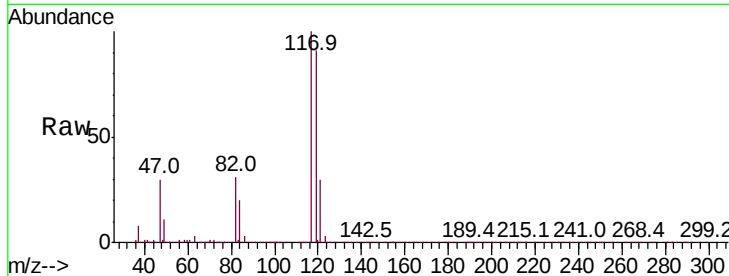


#31

Carbon tetrachloride
Concen: 5.072 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Instrument :
MSVOA_R
ClientSampleId :

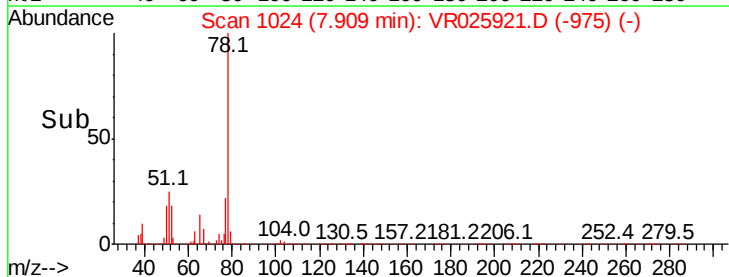
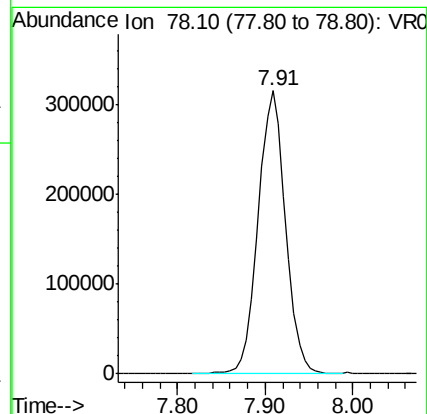
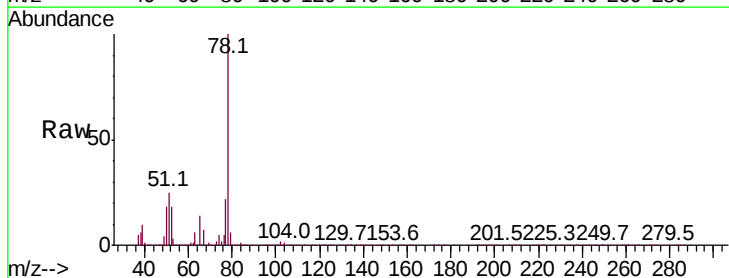
Tot Ion:117 Resp: 215222
Ion Ratio Lower Upper
117 100
119 95.2 75.6 113.4

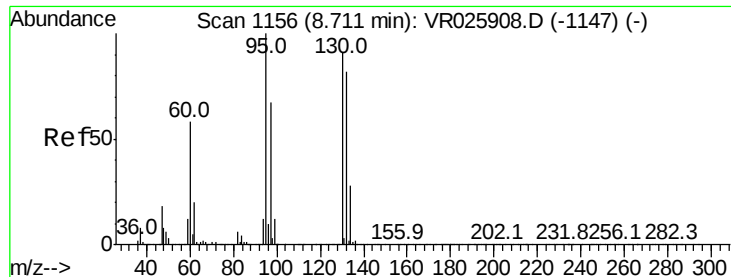


#33

Benzene
Concen: 4.677 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion: 78 Resp: 683604





#34

Trichloroethene

Concen: 4.540 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 95 Resp: 174834

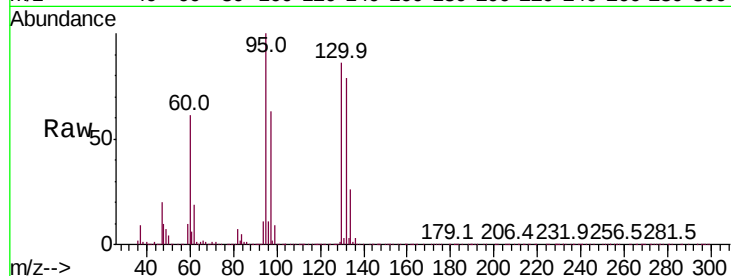
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 79.1 53.3 98.9

130 85.8 53.8 99.8

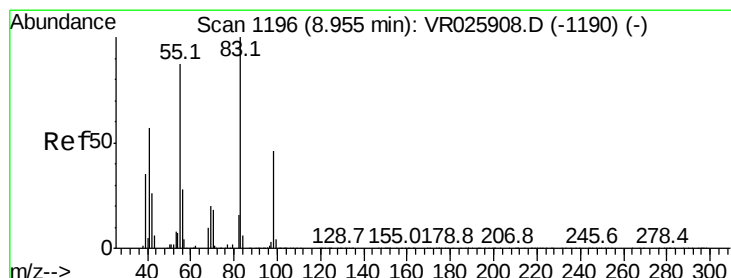
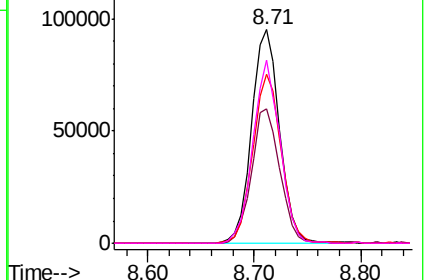
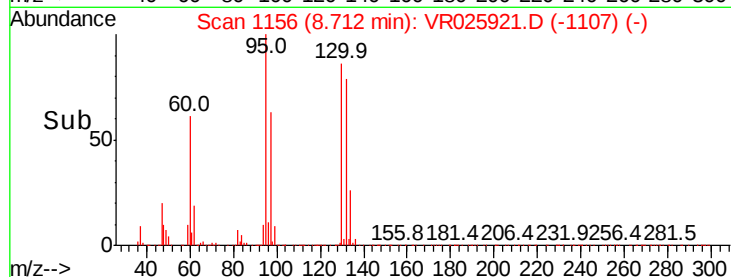


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.740 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

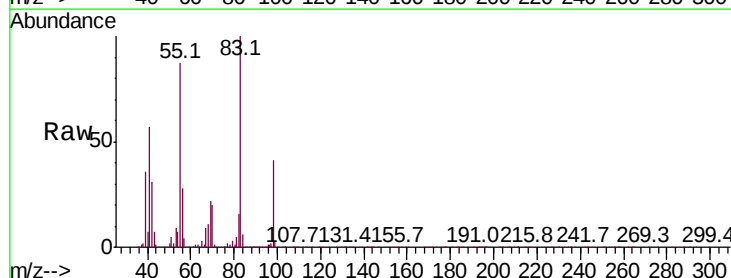
Tgt Ion: 83 Resp: 274461

Ion Ratio Lower Upper

83 100

55 85.3 71.8 107.6

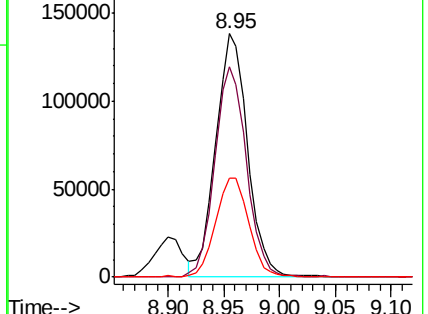
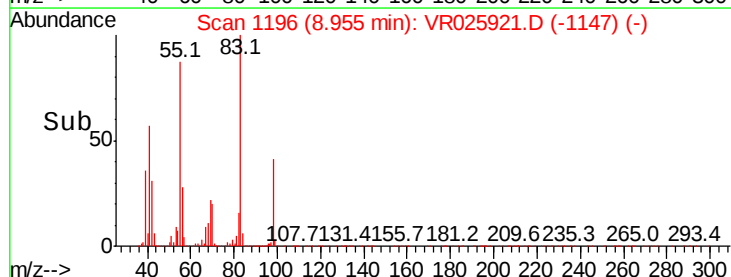
98 42.0 34.2 51.4

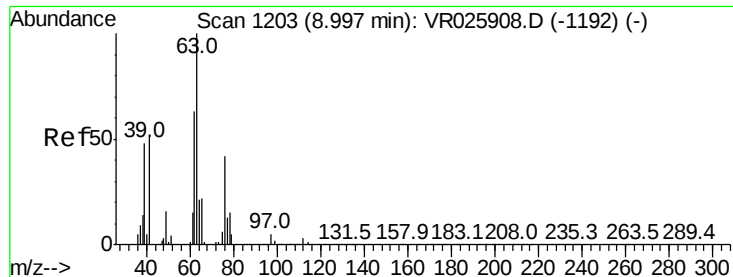


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.784 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

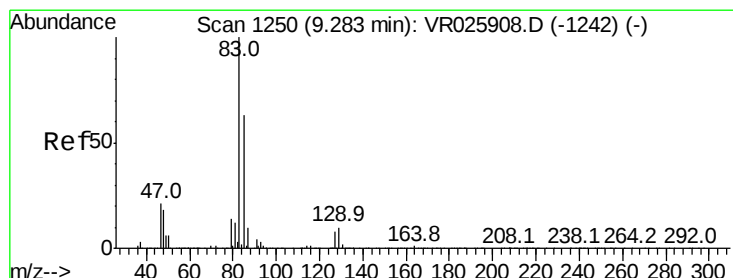
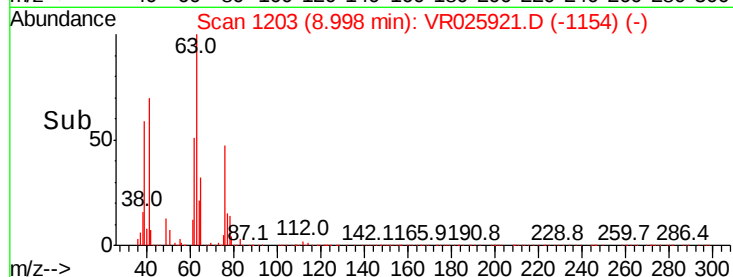
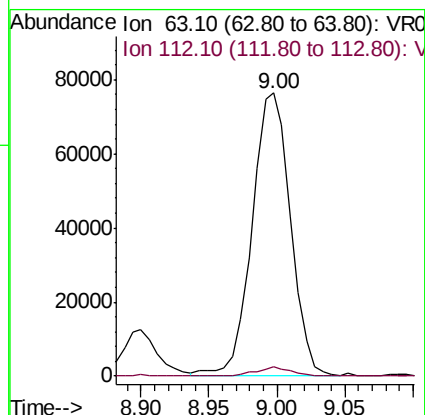
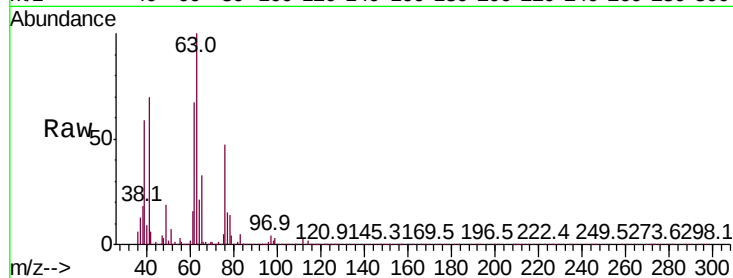
Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 150003

Ion	Ratio	Lower	Upper
63	100		
112	2.9	2.5	3.7



#38

Bromodichloromethane

Concen: 4.771 ug/L

RT: 9.28 min Scan# 1250

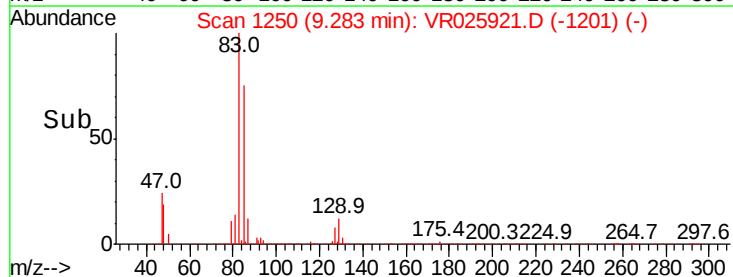
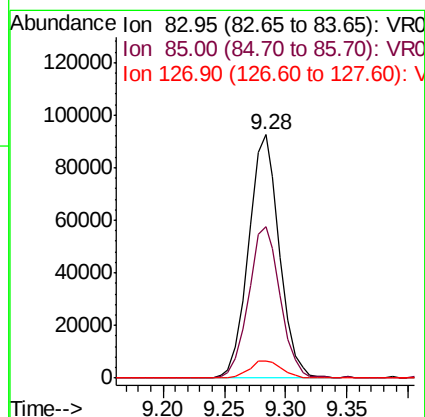
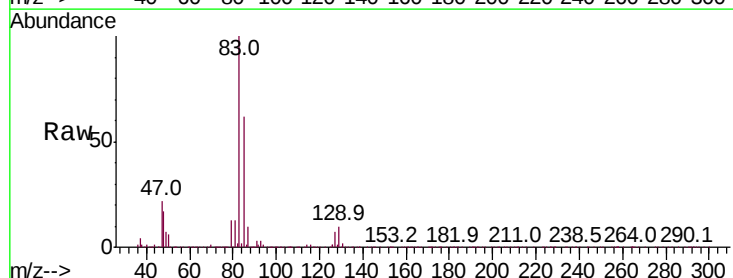
Delta R.T. 0.00 min

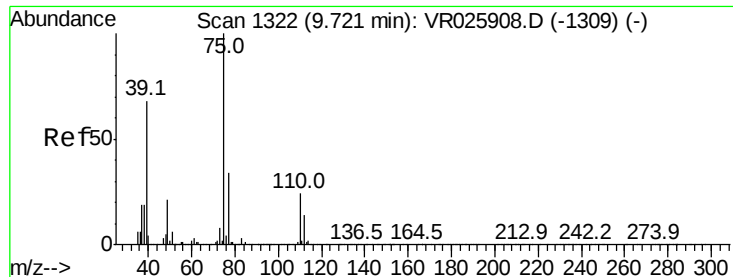
Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Tgt Ion: 83 Resp: 161391

Ion	Ratio	Lower	Upper
83	100		
85	62.1	42.8	79.4
127	6.9	5.6	8.4



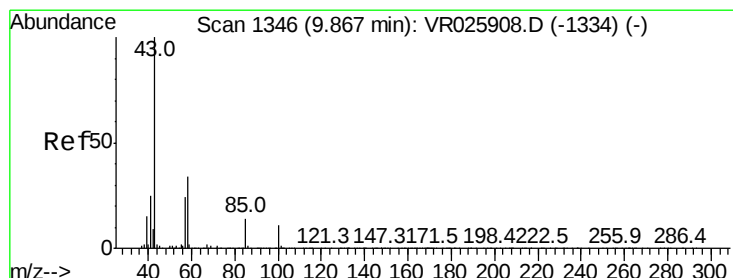
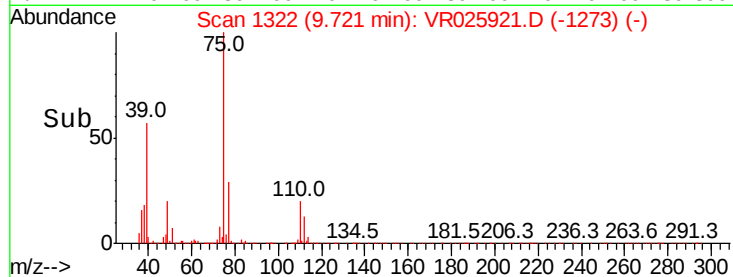
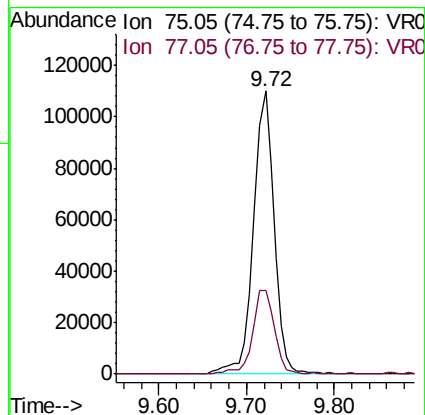
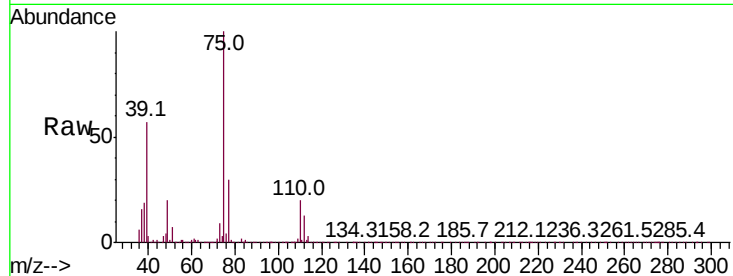


#39

cis-1,3-Dichloropropene
 Concen: 5.105 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Instrument :
 MSVOA_R
 ClientSampleId :

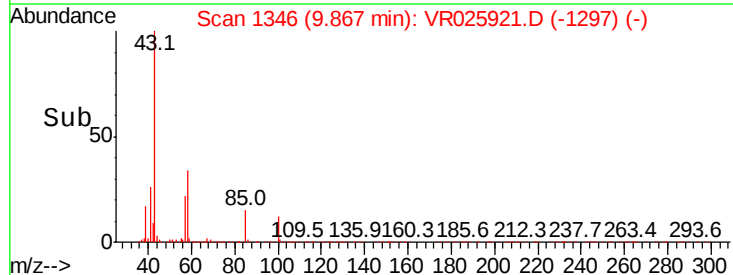
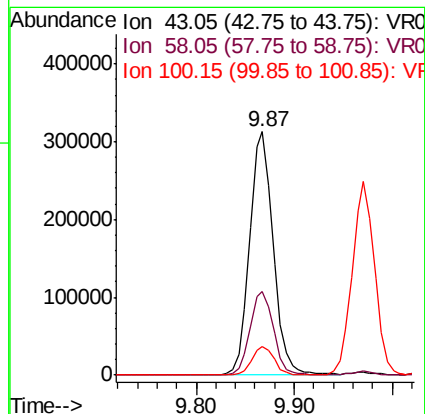
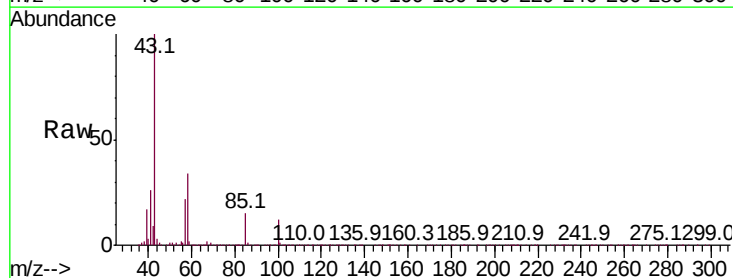
Tot Ion: 75 Resp: 179480
 Ion Ratio Lower Upper
 75 100
 77 29.6 21.5 39.9

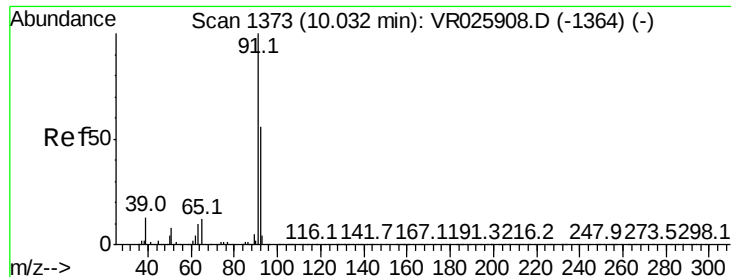


#40

4-Methyl-2-pentanone
 Concen: 47.292 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Tgt Ion: 43 Resp: 521380
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.6 43.0
 100 11.3 9.0 13.4





#42

Toluene

Concen: 4.781 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

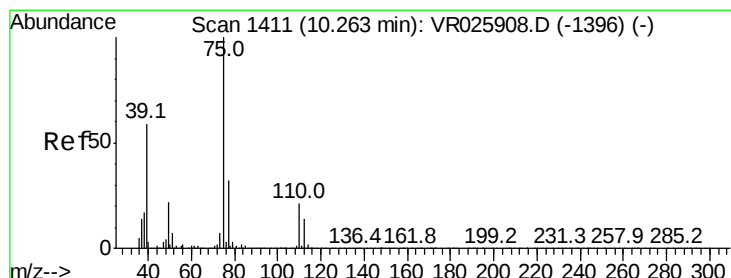
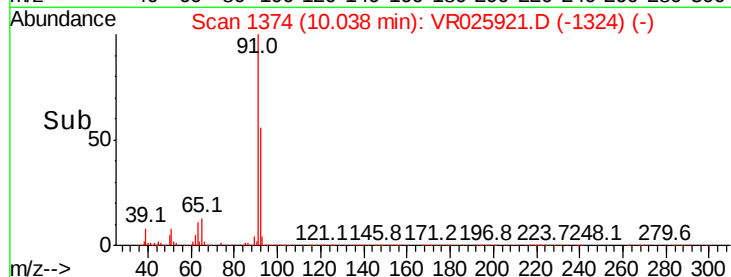
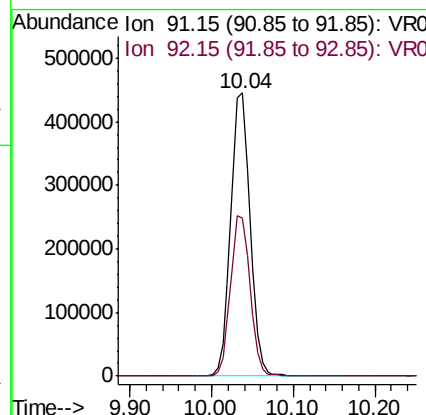
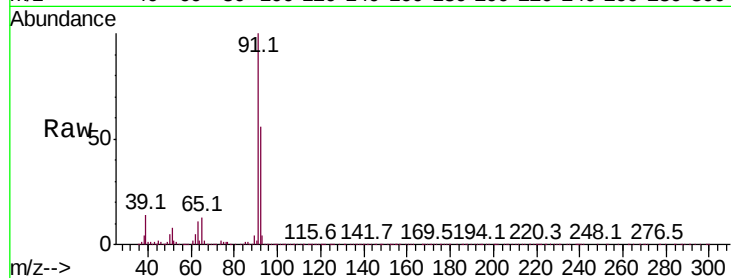
ClientSampleId :

Tot Ion: 91 Resp: 726051

Ion Ratio Lower Upper

91 100

92 55.9 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.214 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025921.D

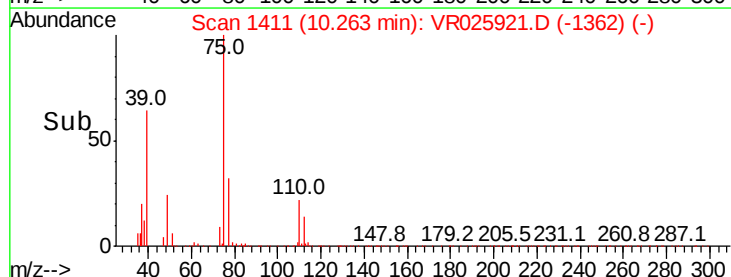
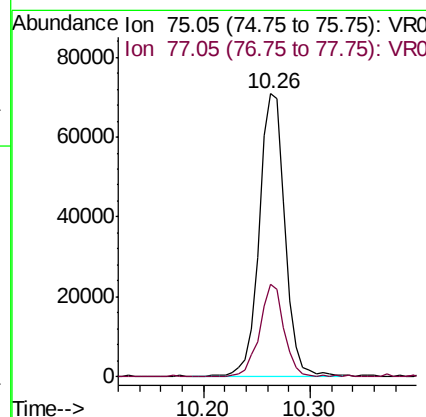
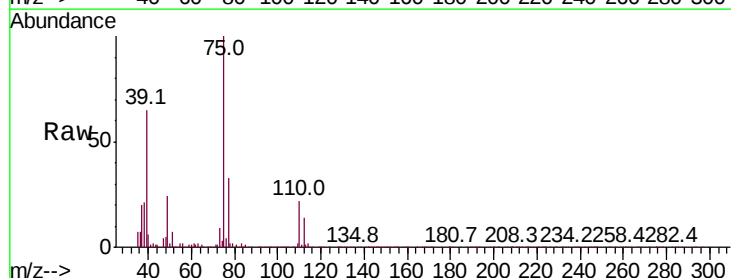
Acq: 2 Oct 2018 10:17

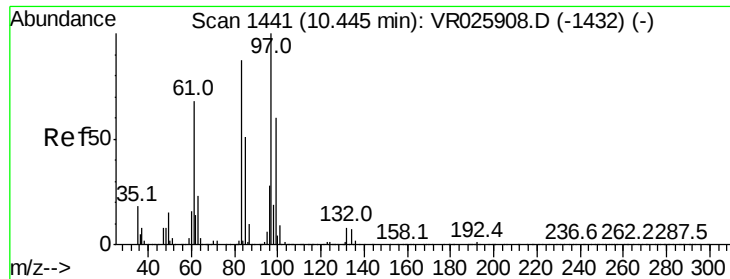
Tgt Ion: 75 Resp: 119668

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8

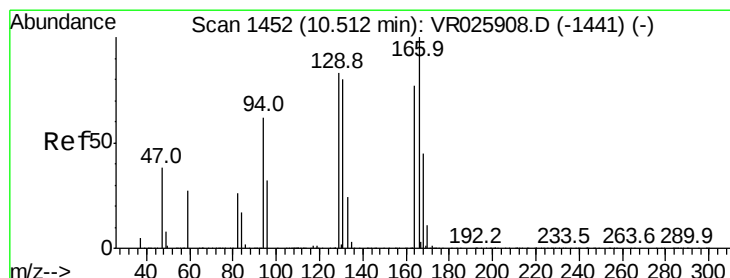
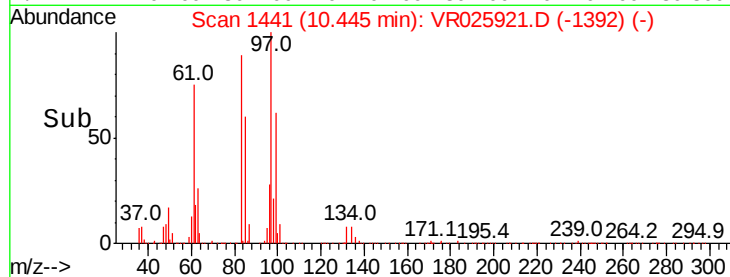
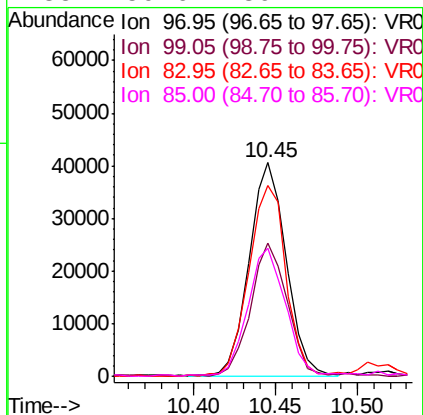
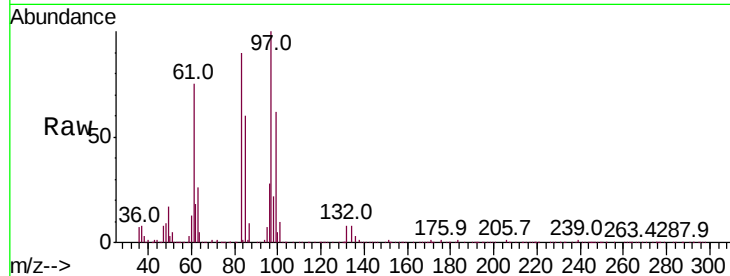




#45
1,1,2-Trichloroethane
Concen: 4.496 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

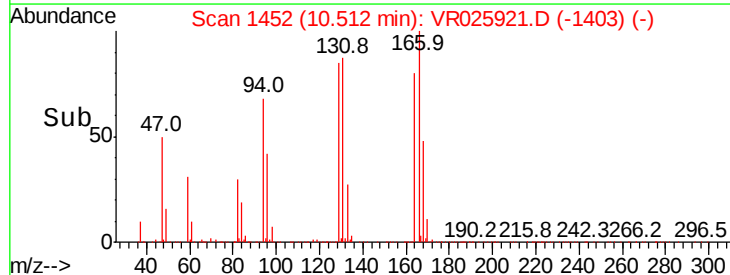
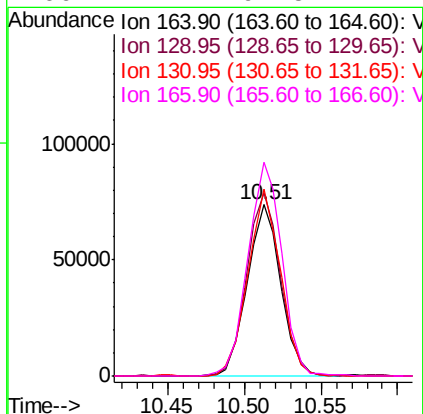
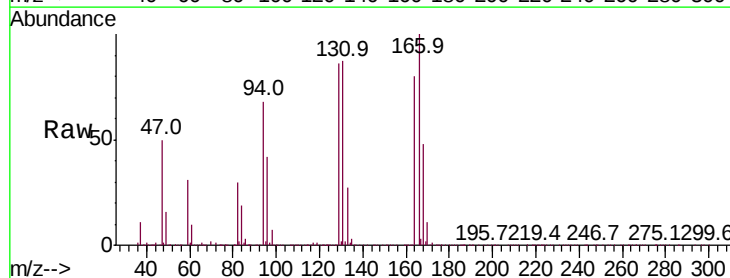
Instrument :
MSVOA_R
ClientSampleId :

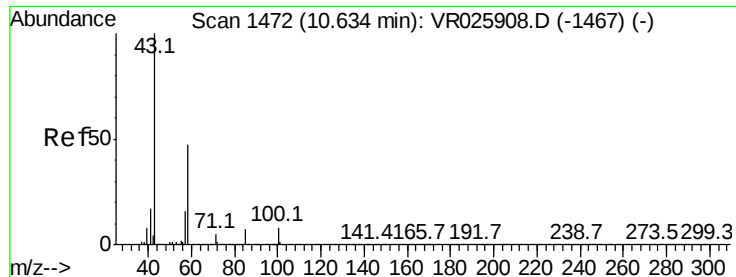
Tot Ion: 97 Resp: 63763
Ion Ratio Lower Upper
97 100
99 62.3 39.6 73.6
83 89.6 62.2 115.6
85 59.6 39.1 72.7



#47
Tetrachloroethene
Concen: 4.723 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion: 164 Resp: 112060
Ion Ratio Lower Upper
164 100
129 106.6 80.8 150.2
131 108.9 74.5 138.3
166 124.7 92.5 171.7

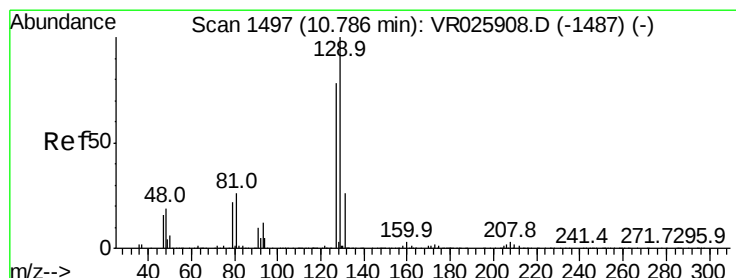
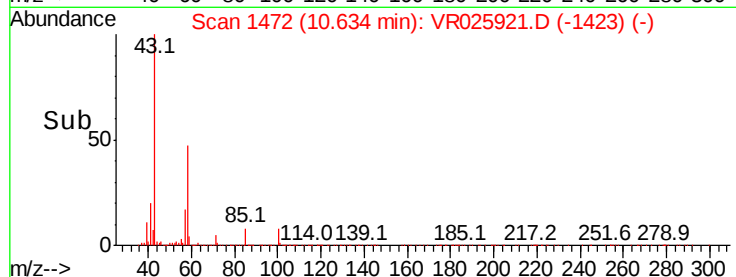
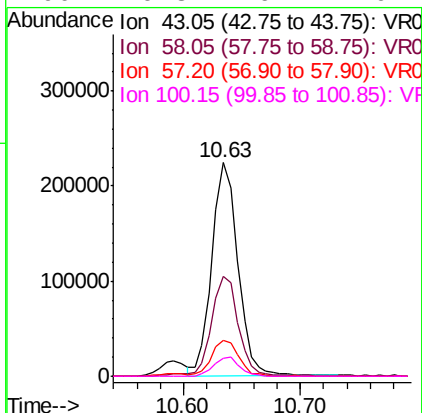
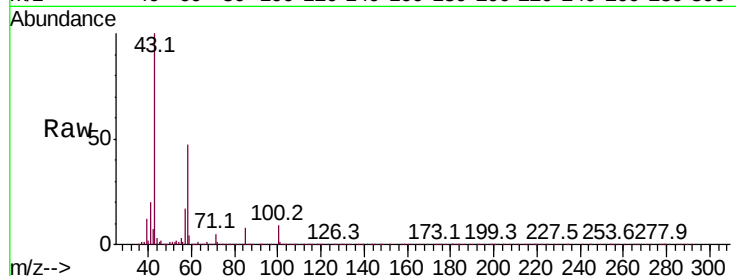




#48
2-Hexanone
Concen: 48.035 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

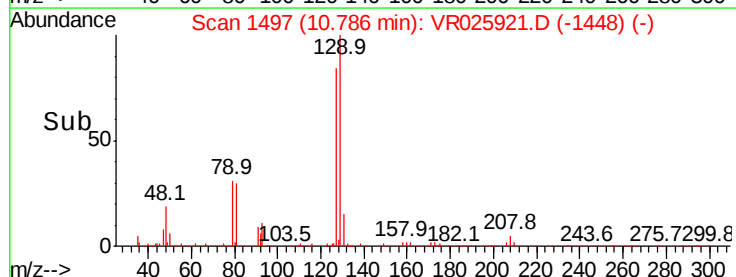
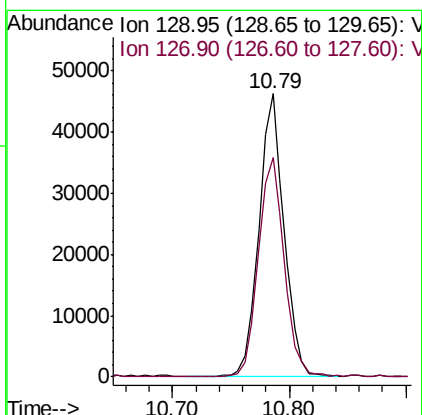
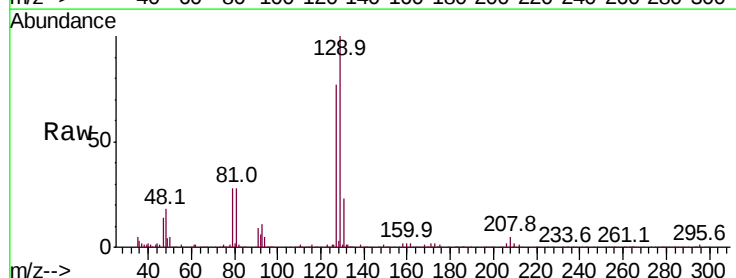
Instrument :
MSVOA_R
ClientSampleId :

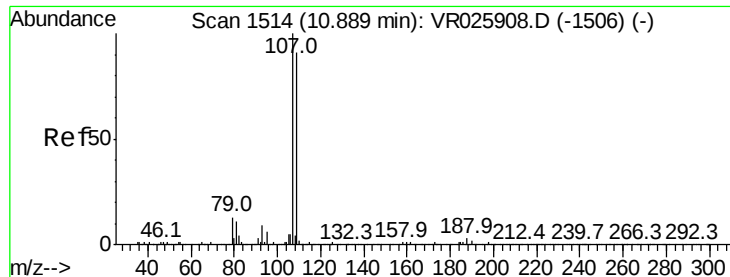
Tot Ion:	43	Resp:	346722
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.5	59.3
57	17.2	14.6	21.8
100	9.3	6.7	10.1



#49
Dibromochloromethane
Concen: 4.779 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion:	129	Resp:	68778
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.1	100.5

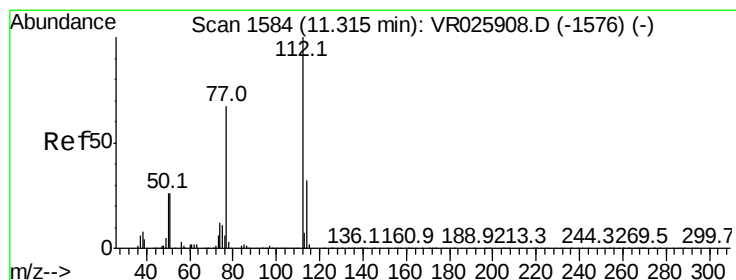
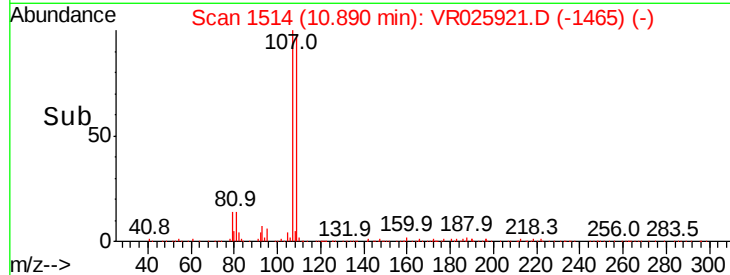
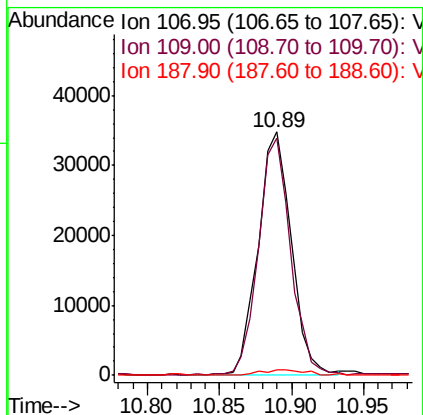
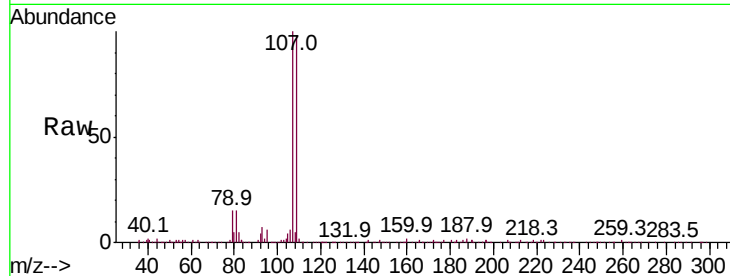




#50
1,2-Dibromoethane
Concen: 4.965 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

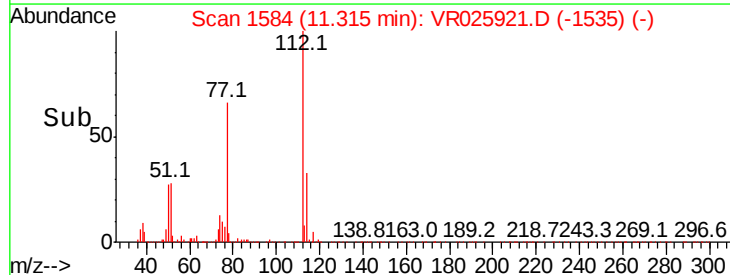
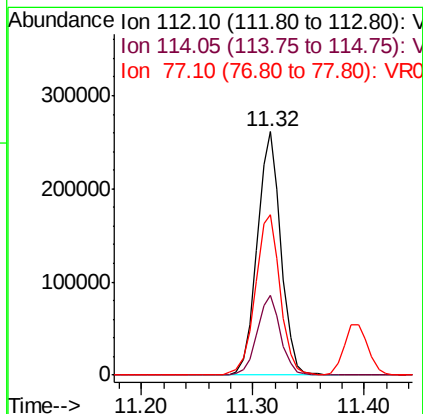
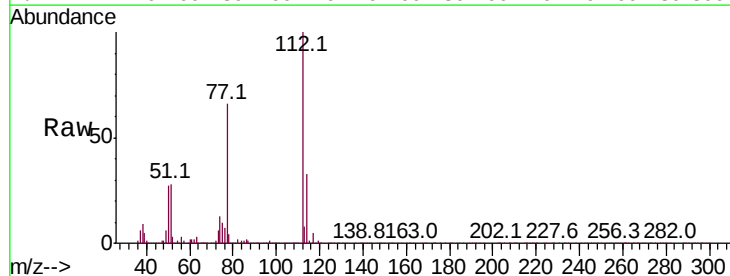
Instrument :
MSVOA_R
ClientSampleId :

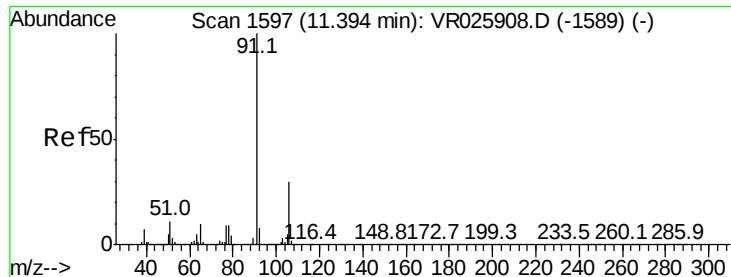
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	63.5	117.9
188	2.4	1.7	2.5



#51
Chlorobenzene
Concen: 4.791 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.3
77	65.9	58.5	87.7





#52

Ethylbenzene

Concen: 4.873 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

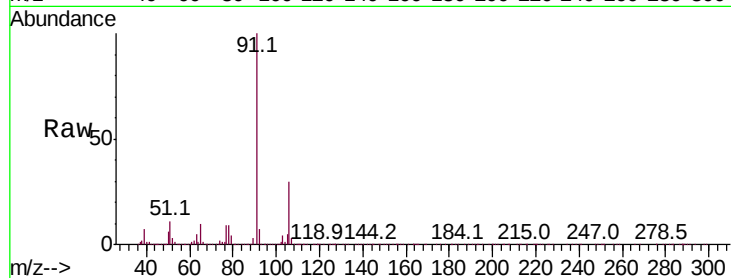
ClientSampleId :

Tot Ion: 91 Resp: 844636

Ion Ratio Lower Upper

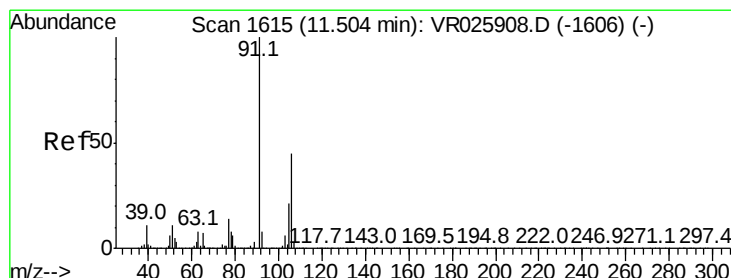
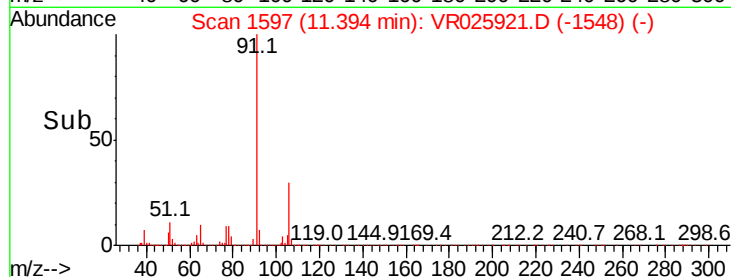
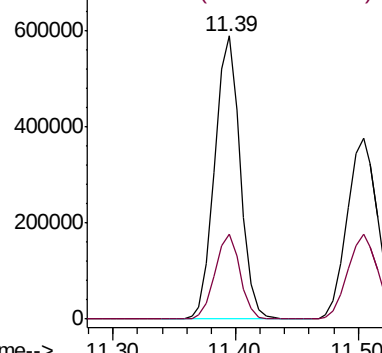
91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 4.870 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025921.D

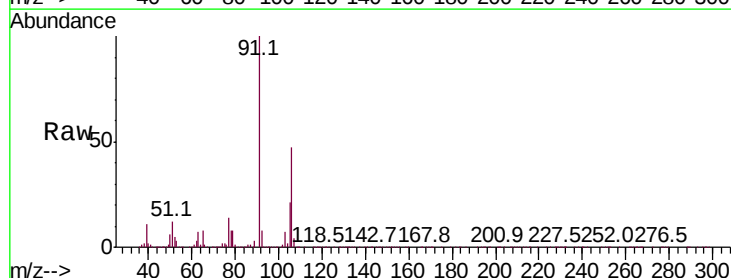
Acq: 2 Oct 2018 10:17

Tgt Ion: 106 Resp: 300544

Ion Ratio Lower Upper

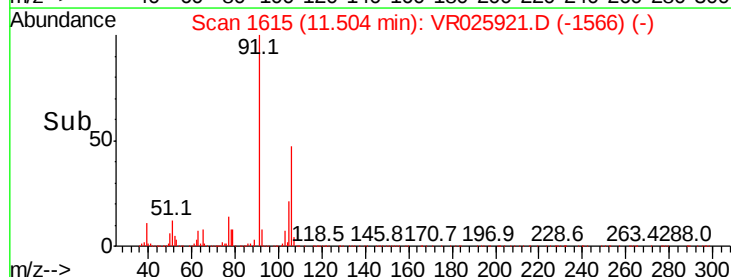
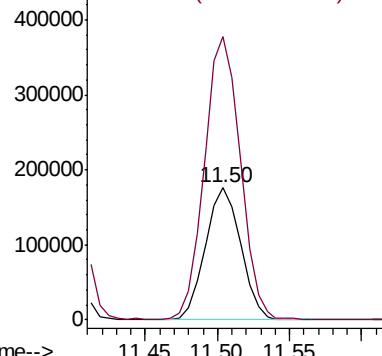
106 100

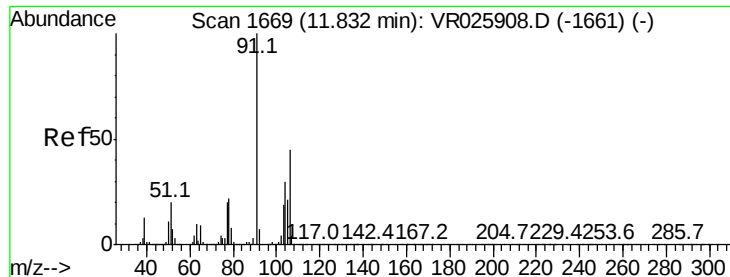
91 214.8 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

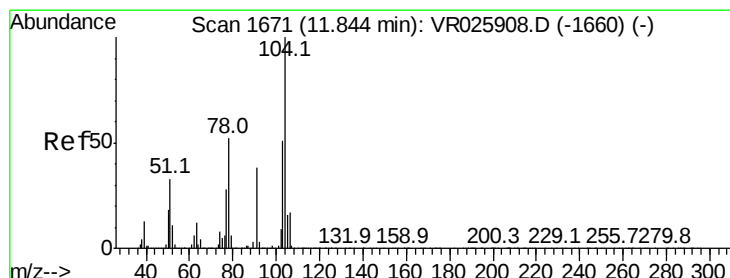
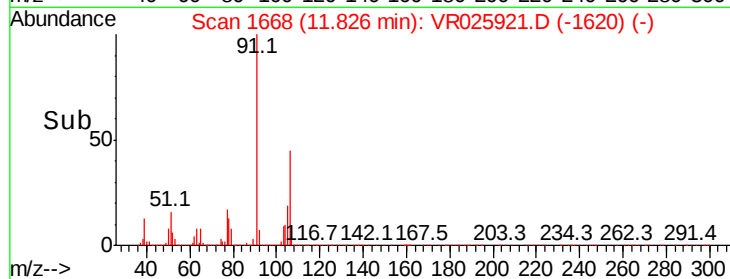
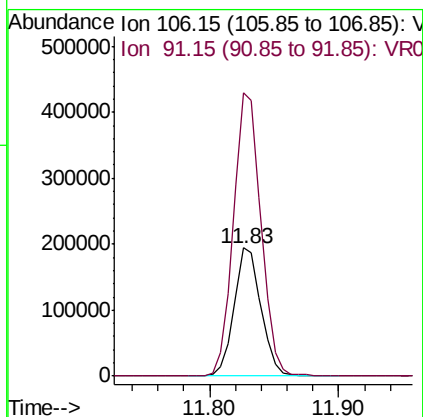
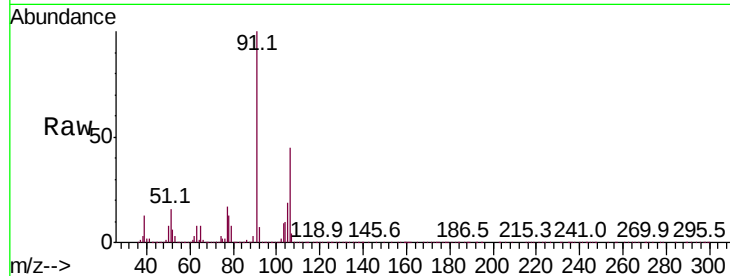




#54
o-Xylene
Concen: 4.895 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

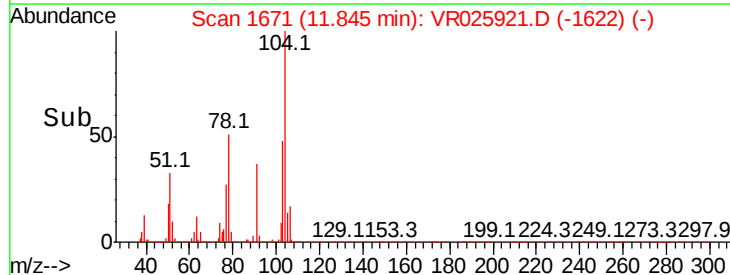
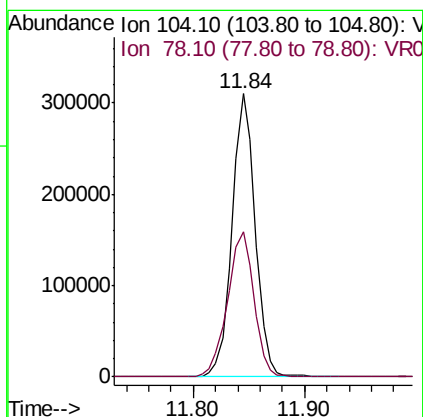
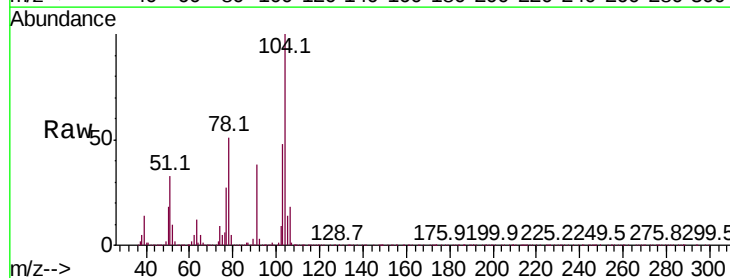
Instrument :
MSVOA_R
ClientSampled :

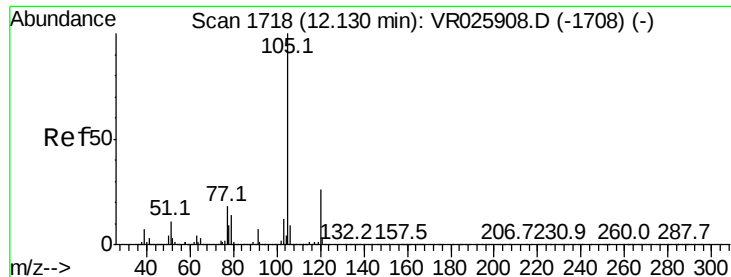
Tot Ion:106 Resp: 281184
Ion Ratio Lower Upper
106 100
91 221.0 164.5 305.5



#55
Styrene
Concen: 4.983 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025921.D
Acq: 2 Oct 2018 10:17

Tgt Ion:104 Resp: 445453
Ion Ratio Lower Upper
104 100
78 51.5 39.3 72.9





#56

Isopropylbenzene

Concen: 5.006 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025921.D

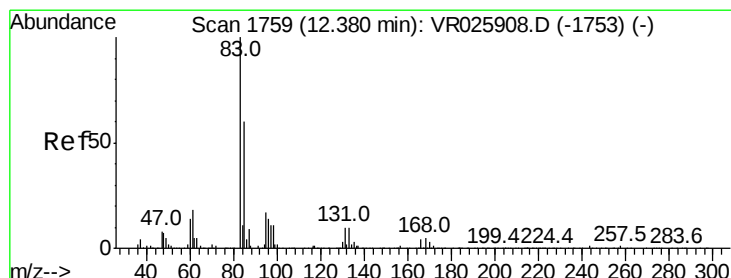
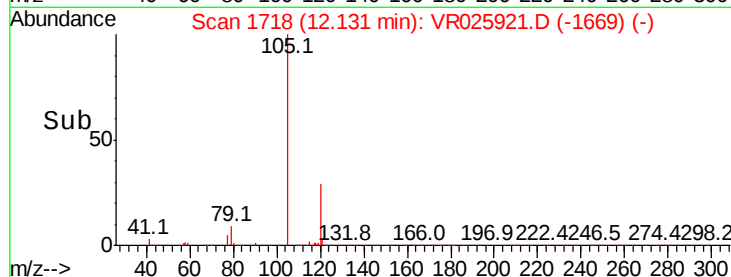
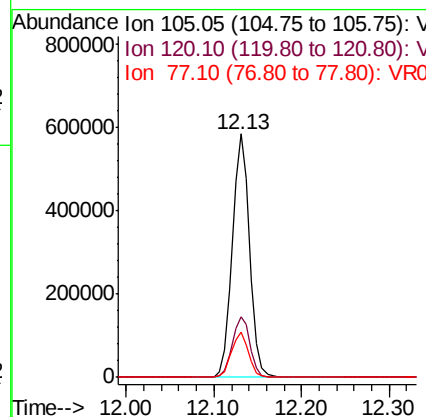
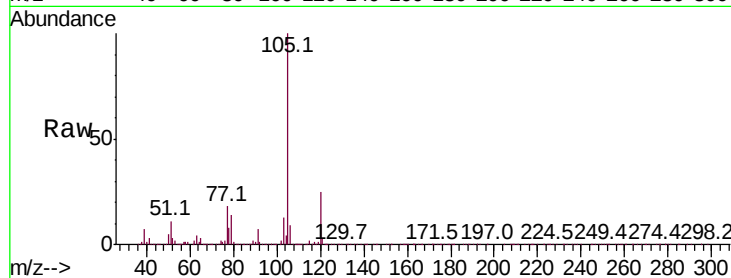
Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	105	Resp:	793117
Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	29.8
77	18.1	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.642 ug/L

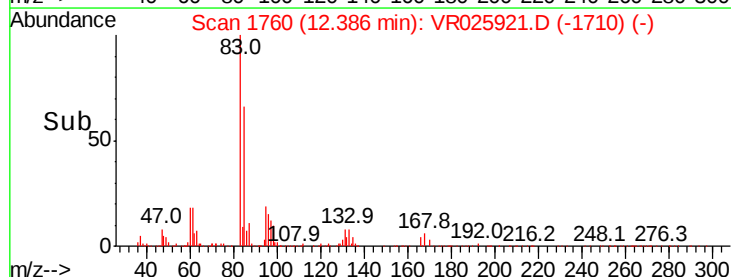
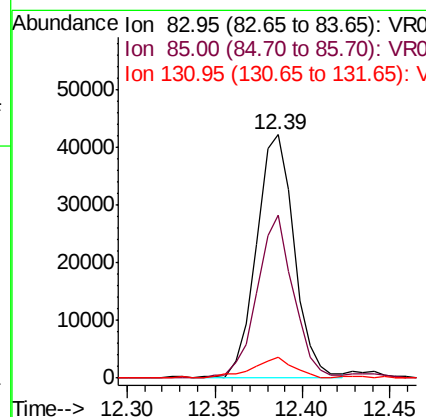
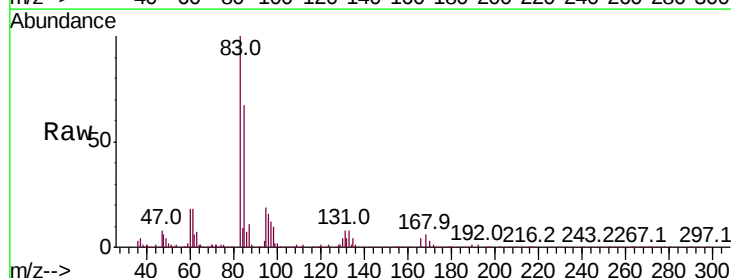
RT: 12.39 min Scan# 1760

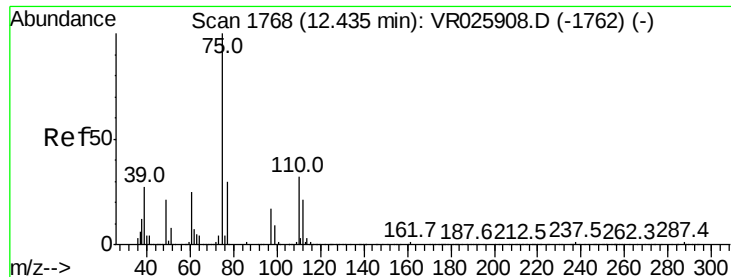
Delta R.T. 0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Tgt Ion:	83	Resp:	63424
Ion	Ratio	Lower	Upper
83	100		
85	66.7	45.8	85.0
131	8.5	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.585 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

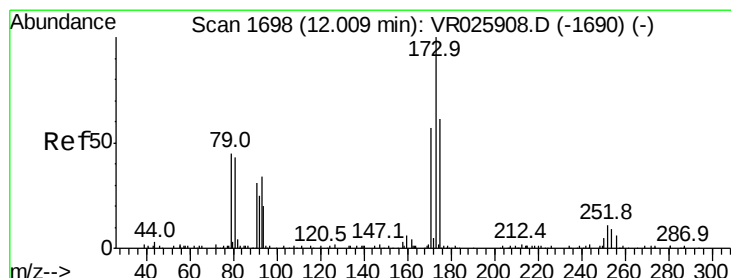
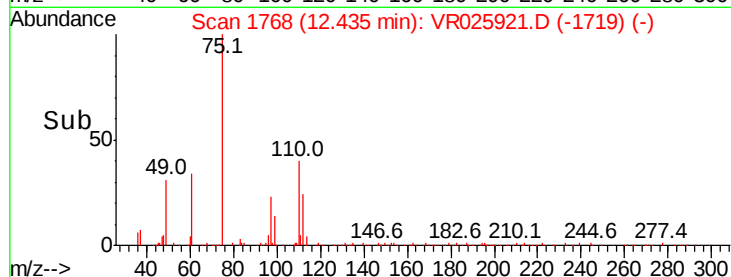
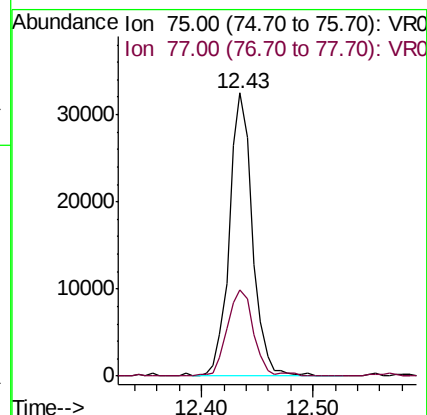
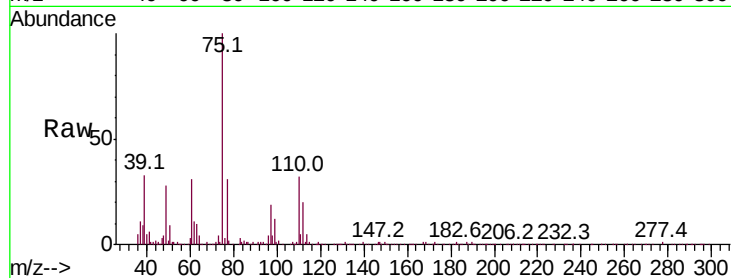
ClientSampled :

Tot Ion: 75 Resp: 46625

Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.6



#61

Bromoform

Concen: 4.731 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

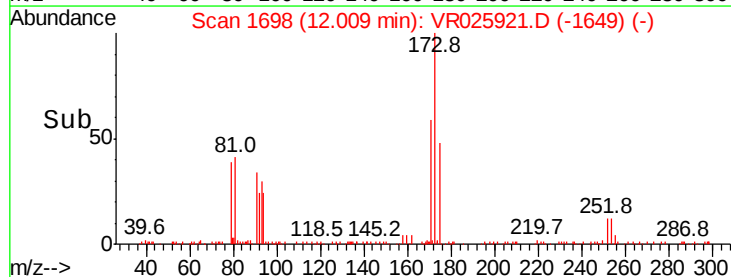
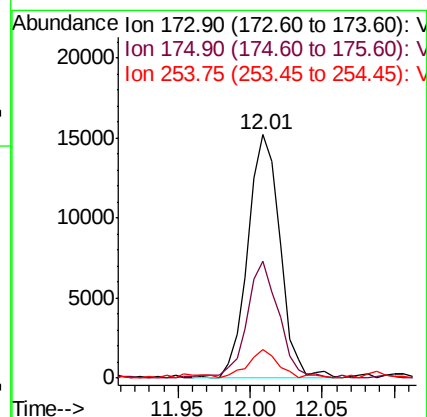
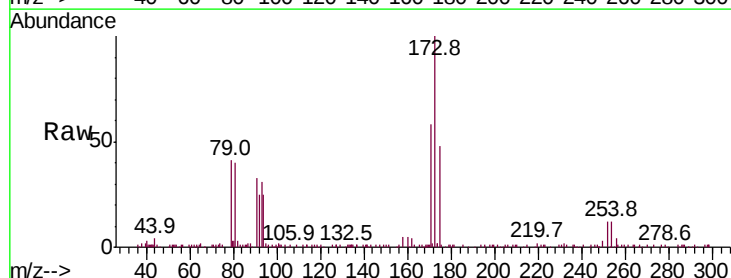
Tgt Ion: 173 Resp: 23428

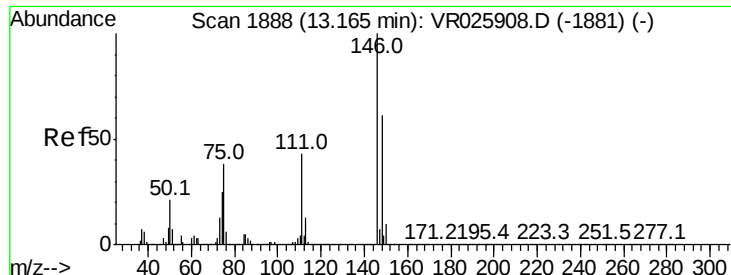
Ion Ratio Lower Upper

173 100

175 48.1 36.9 55.3

254 11.0 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.780 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

ClientSampleId :

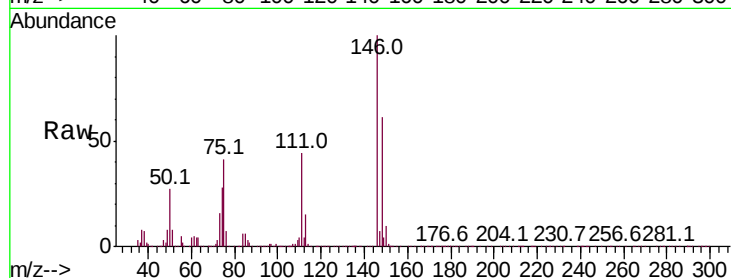
Tot Ion:146 Resp: 228853

Ion Ratio Lower Upper

146 100

111 44.0 36.6 68.0

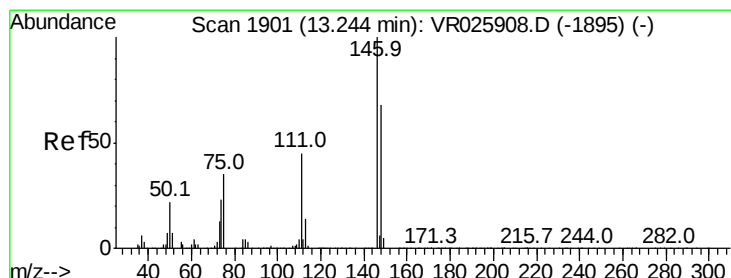
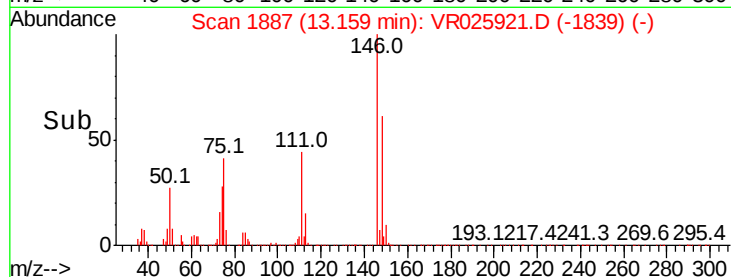
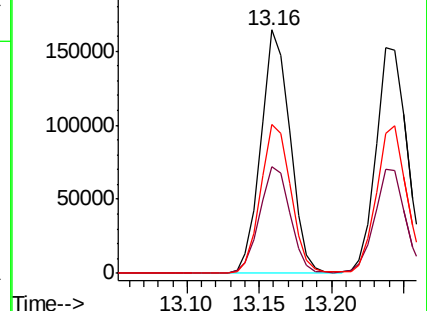
148 61.0 41.9 77.7



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: 4.593 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

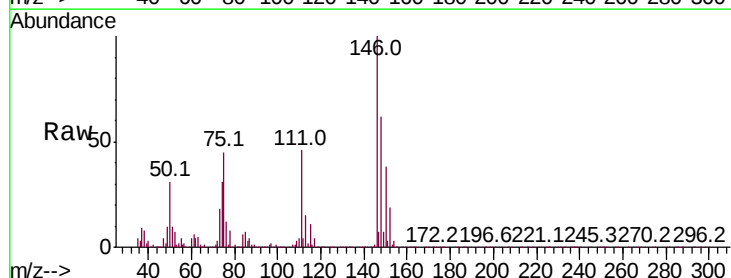
Tgt Ion:146 Resp: 224921

Ion Ratio Lower Upper

146 100

111 45.9 32.9 61.1

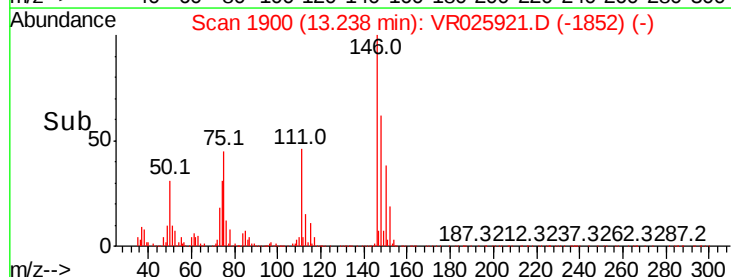
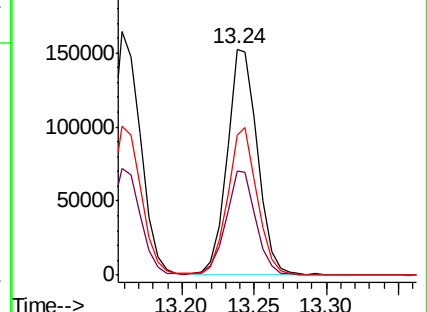
148 61.8 45.5 84.5

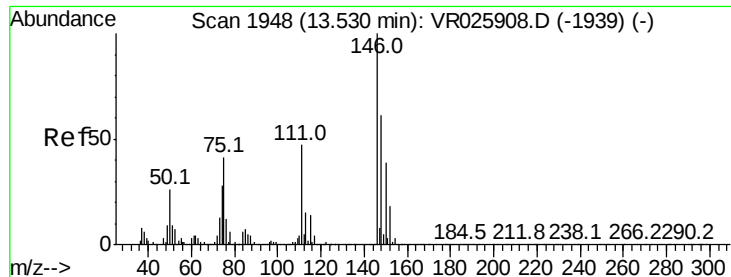


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.592 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

ClientSampleId :

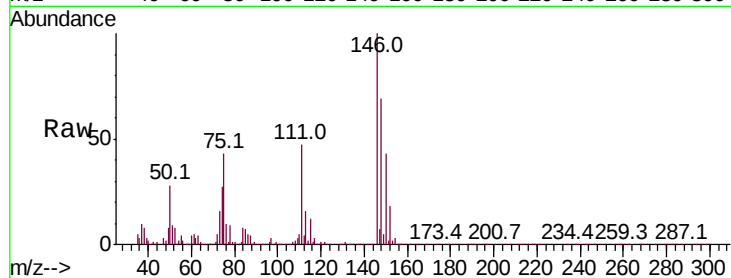
Tot Ion:146 Resp: 176619

Ion Ratio Lower Upper

146 100

111 46.8 39.4 59.0

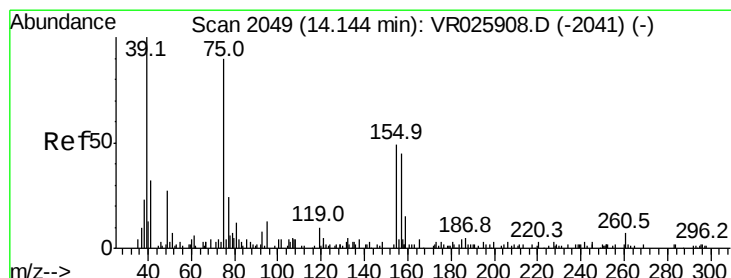
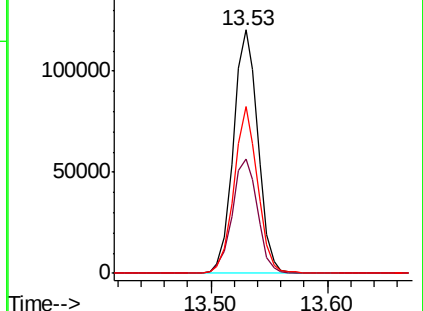
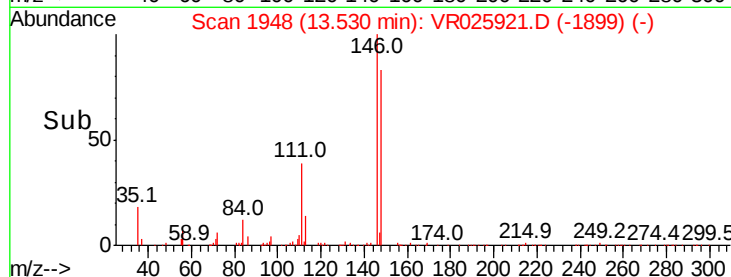
148 68.7 53.5 80.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.620 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

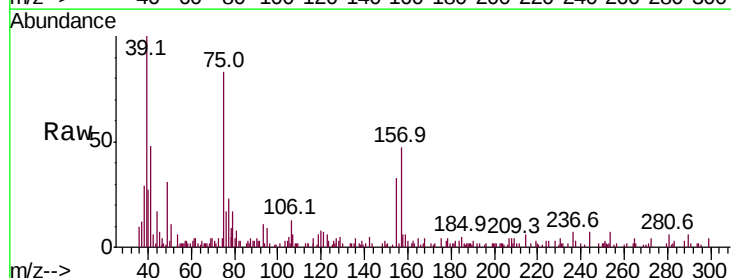
Tgt Ion: 75 Resp: 5855

Ion Ratio Lower Upper

75 100

155 39.3 37.8 56.6

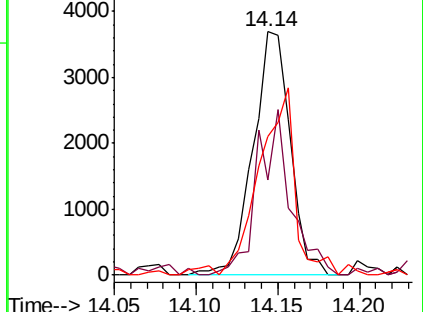
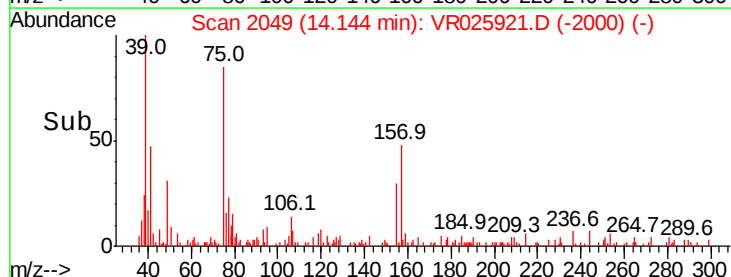
157 56.8 49.7 74.5

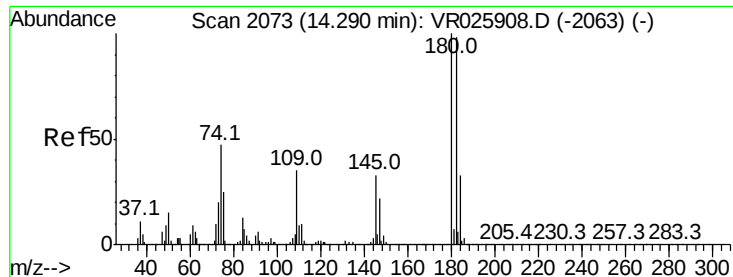


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

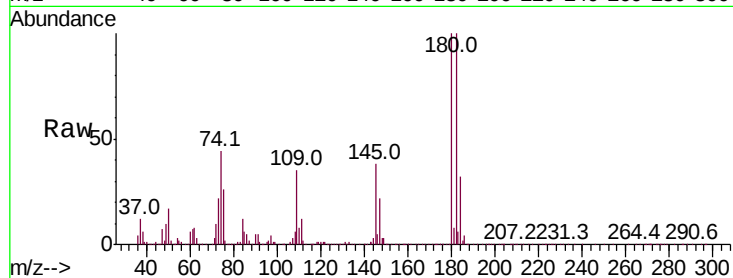




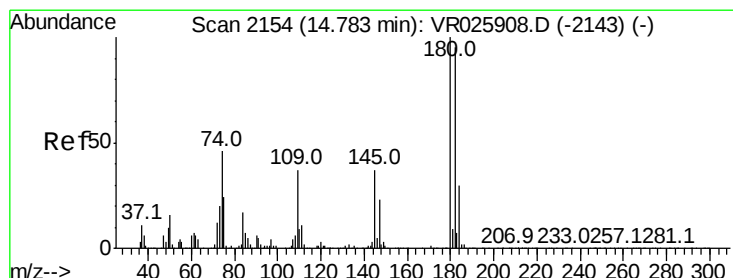
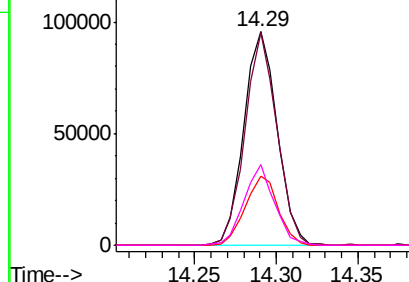
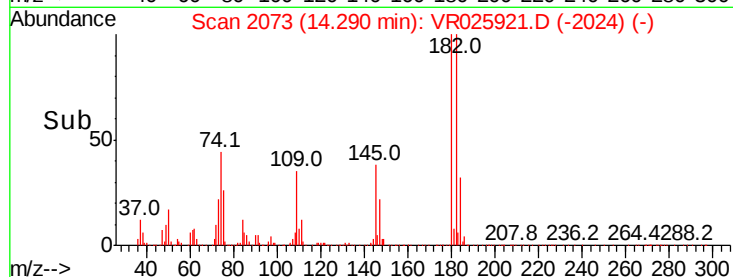
#67
 1,3,5-Trichlorobenzene
 Concen: 4.763 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	135841
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
184	32.0	24.5	36.7
145	34.5	31.1	46.7

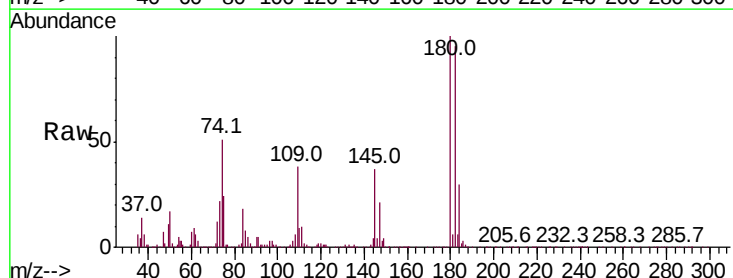


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

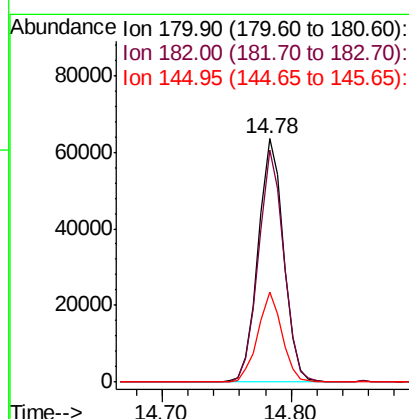
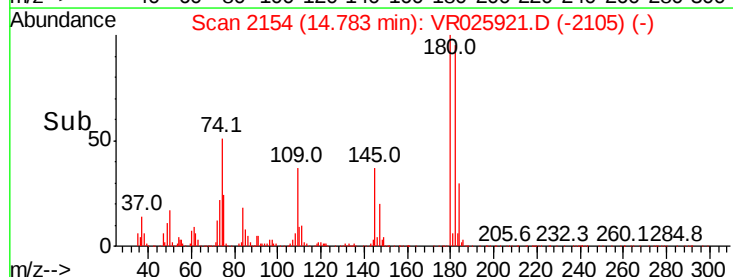


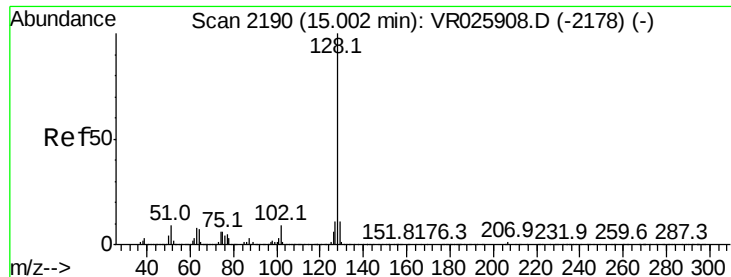
#68
 1,2,4-trichlorobenzene
 Concen: 4.709 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025921.D
 Acq: 2 Oct 2018 10:17

Tgt Ion:	180	Resp:	85611
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
145	35.5	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: 4.535 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

Instrument :

MSVOA_R

ClientSampleId :

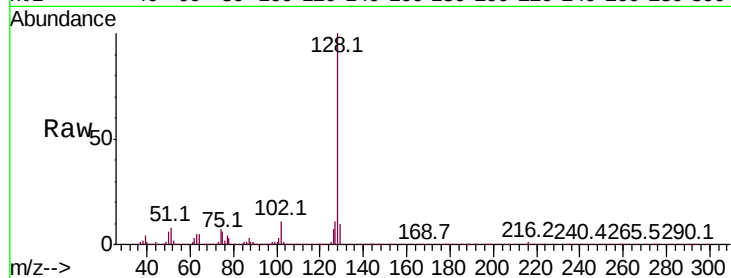
Tot Ion:128 Resp: 105221

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

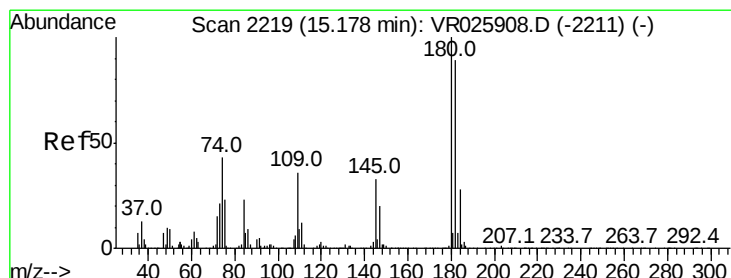
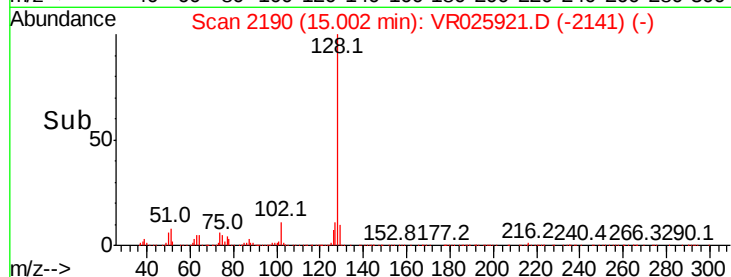
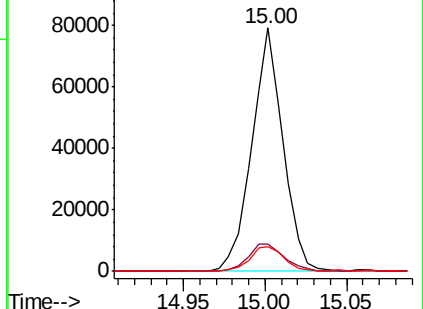
129 11.2 9.4 14.2



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: 4.674 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025921.D

Acq: 2 Oct 2018 10:17

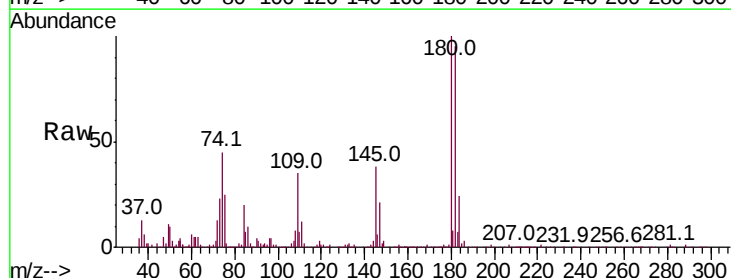
Tgt Ion:180 Resp: 58953

Ion Ratio Lower Upper

180 100

182 99.6 74.7 112.1

145 37.8 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

