

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100118\
 Data File : VR025908.D
 Acq On : 1 Oct 2018 10:44
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 02 01:38:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 07:47:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	619890	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512405	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	194661	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	195274	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	2.63	69	175831	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	3.62	63	459435	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	6.59	46	247725	45.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.92%
24) Chloroform-d	7.20	84	387074	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.90	65	163502	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	7.85	84	749869	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	8.90	67	208455	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	9.97	98	688860	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.24	79	53277	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	10.59	63	191095	48.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81720	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	139761	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	202394	5.371	ug/L 95
3) Chloromethane	2.01	50	232403	4.338	ug/L 97
5) Vinyl chloride	2.17	62	232421	4.358	ug/L 99
6) Bromomethane	2.52	94	146178	4.390	ug/L 94
8) Chloroethane	2.65	64	139875	4.610	ug/L 97
9) Trichlorofluoromethane	2.94	101	107235	1.448	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	203949	4.506	ug/L 97
12) 1,1-Dichloroethene	3.63	96	206627	4.416	ug/L 83
13) Acetone	3.70	43	150190	38.024	ug/L 98
14) Carbon disulfide	3.94	76	556815	4.915	ug/L 99
15) Methyl Acetate	4.19	43	39617	3.617	ug/L 97
16) Methylene chloride	4.41	84	169478	3.939	ug/L 93
17) Methyl tert-butyl Ether	4.90	73	221721	4.279	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	176806	4.568	ug/L 86
19) 1,1-Dichloroethane	5.69	63	346963	4.528	ug/L 99
21) 2-Butanone	6.69	43	216699	39.887	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	177174	4.550	ug/L # 92

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

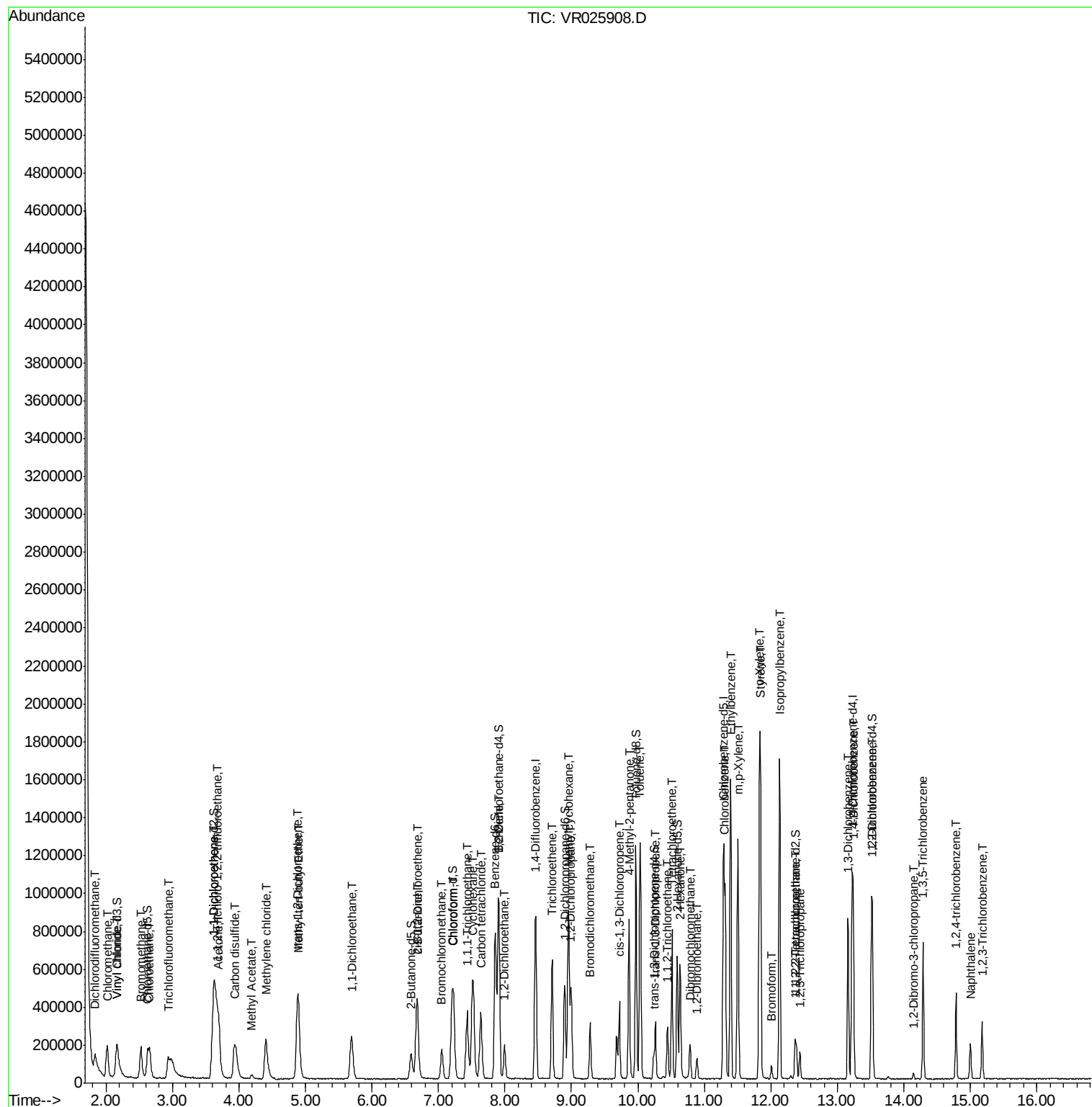
23) Bromochloromethane	7.06	128	46278	4.381	ug/L	81
25) Chloroform	7.23	83	329040	4.410	ug/L	93
27) 1,2-Dichloroethane	7.99	62	156262	4.197	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	296379	5.144	ug/L	99
30) Cyclohexane	7.51	56	332131	4.613	ug/L	97
31) Carbon tetrachloride	7.63	117	257599	5.162	ug/L	99
33) Benzene	7.91	78	772264	4.493	ug/L	100
34) Trichloroethene	8.71	95	205541	4.539	ug/L	90
35) Methylcyclohexane	8.95	83	326973	4.802	ug/L	96
37) 1,2-Dichloropropane	9.00	63	167669	4.548	ug/L #	98
38) Bromodichloromethane	9.28	83	177929	4.473	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	197088	4.767	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	541462	41.765	ug/L	97
42) Toluene	10.03	91	814700	4.562	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	135012	5.002	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	69545	4.170	ug/L	96
47) Tetrachloroethene	10.51	164	134698	4.827	ug/L	96
48) 2-Hexanone	10.63	43	362695	42.729	ug/L	96
49) Dibromochloromethane	10.79	129	76587	4.525	ug/L	99
50) 1,2-Dibromoethane	10.89	107	60607	4.606	ug/L #	100
51) Chlorobenzene	11.32	112	430985	4.550	ug/L	94
52) Ethylbenzene	11.39	91	965405	4.736	ug/L	99
53) m,p-Xylene	11.50	106	345222	4.757	ug/L	96
54) o-Xylene	11.83	106	315142	4.665	ug/L	92
55) Styrene	11.84	104	486407	4.627	ug/L	94
56) Isopropylbenzene	12.13	105	907022	4.868	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	67563	4.205	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	52984	4.430	ug/L	96
61) Bromoform	12.01	173	25062	4.259	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	269019	4.729	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	257792	4.429	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	206152	4.510	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	6671	3.471	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	158429	4.675	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	98283	4.549	ug/L	99
69) Naphthalene	15.00	128	120736	4.379	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	70433	4.699	ug/L	95

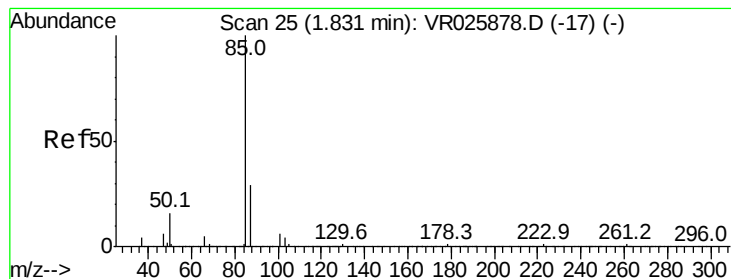
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.371 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

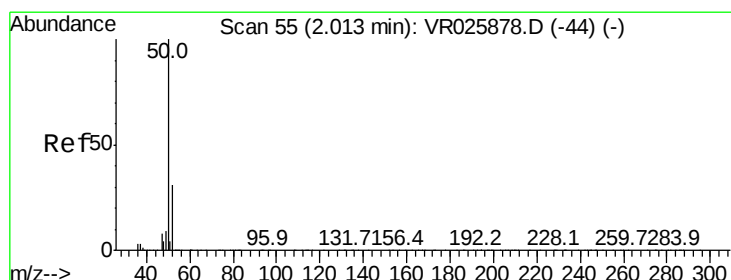
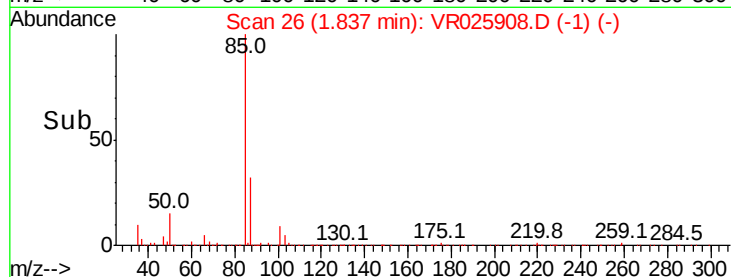
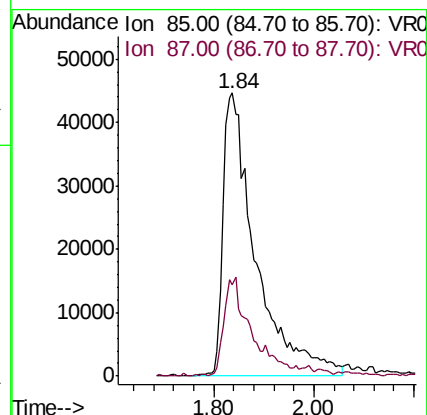
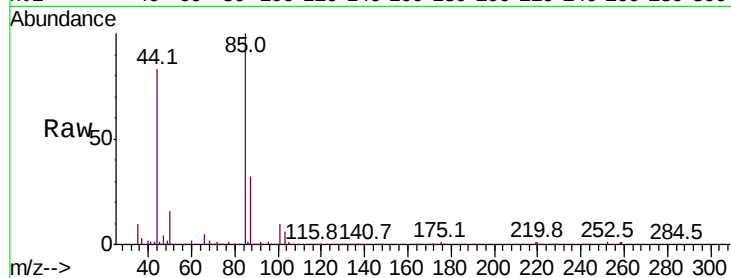
ClientSampleId :

Tot Ion: 85 Resp: 202394

Ion Ratio Lower Upper

85 100

87 28.7 25.1 37.7



#3

Chloromethane

Concen: 4.338 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025908.D

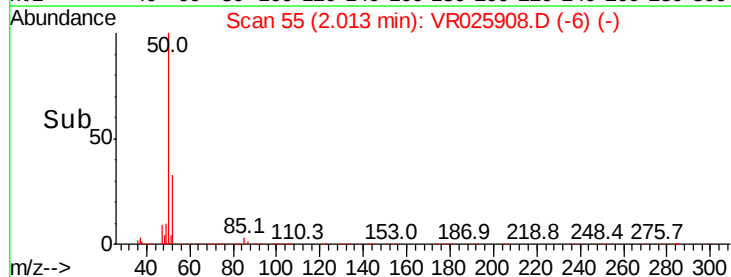
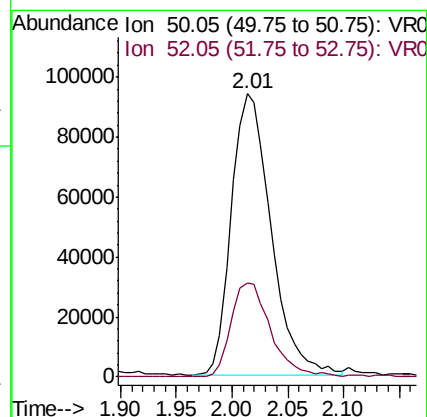
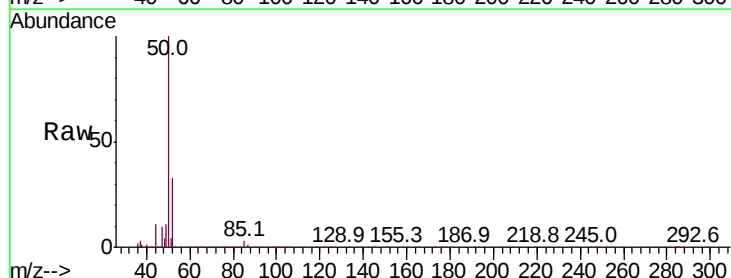
Acq: 1 Oct 2018 10:44

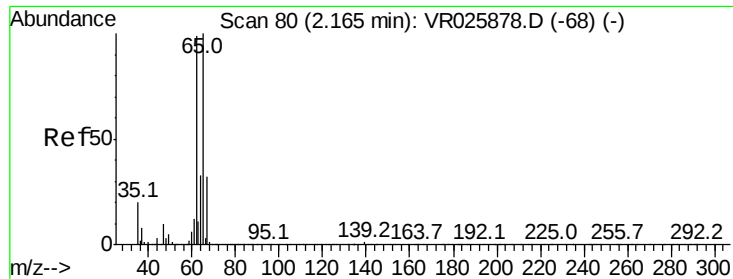
Tgt Ion: 50 Resp: 232403

Ion Ratio Lower Upper

50 100

52 33.3 22.1 41.1





#5

Vinyl chloride

Concen: 4.358 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

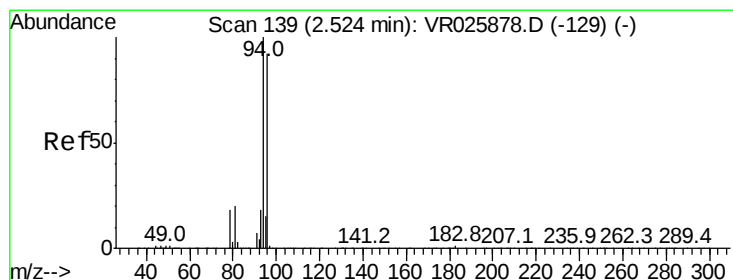
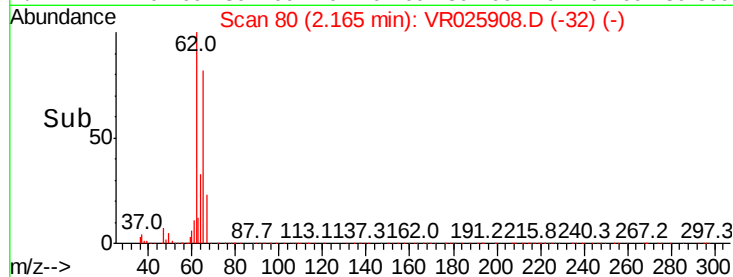
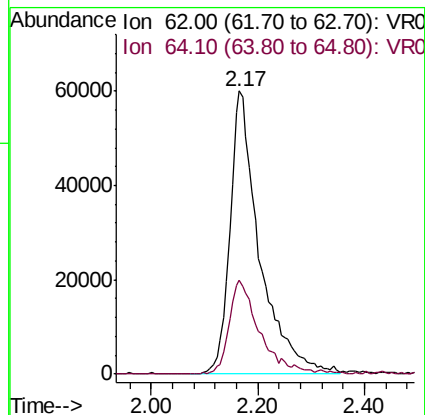
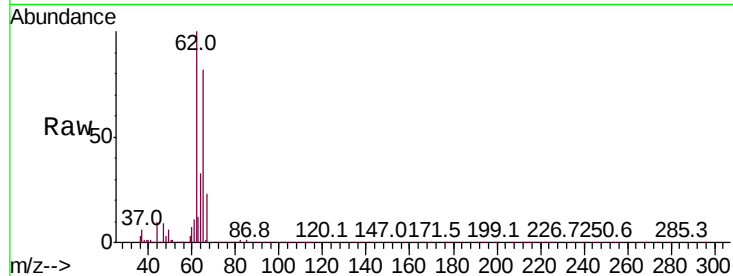
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 62 Resp: 232421

Ion Ratio Lower Upper

62 100

64 33.0 23.5 43.7



#6

Bromomethane

Concen: 4.390 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025908.D

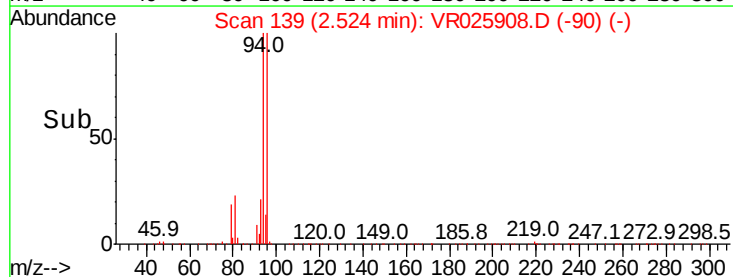
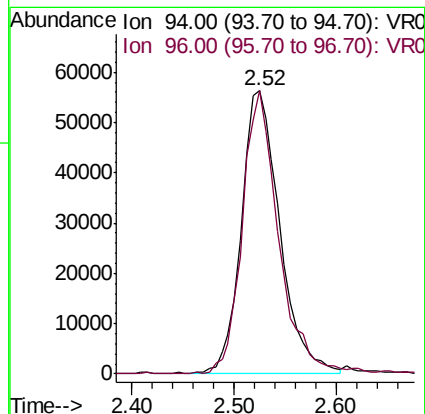
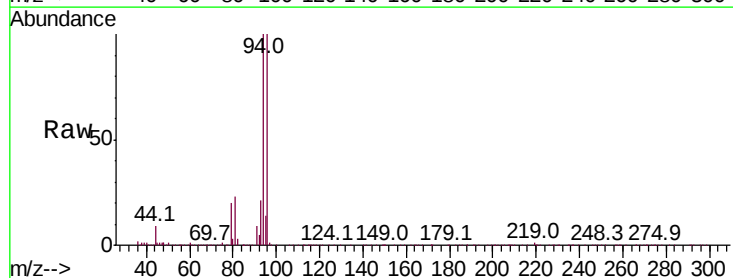
Acq: 1 Oct 2018 10:44

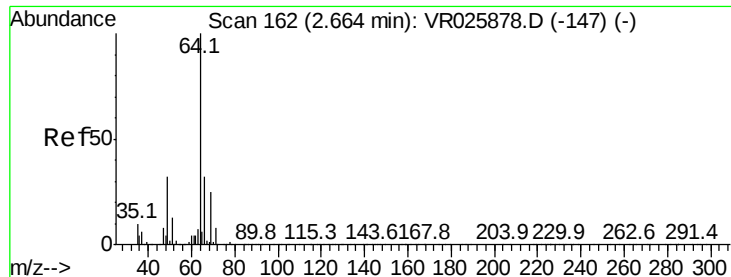
Tgt Ion: 94 Resp: 146178

Ion Ratio Lower Upper

94 100

96 100.0 66.1 122.8





#8

Chloroethane

Concen: 4.610 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

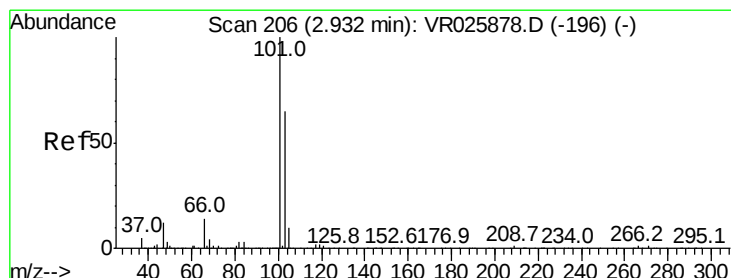
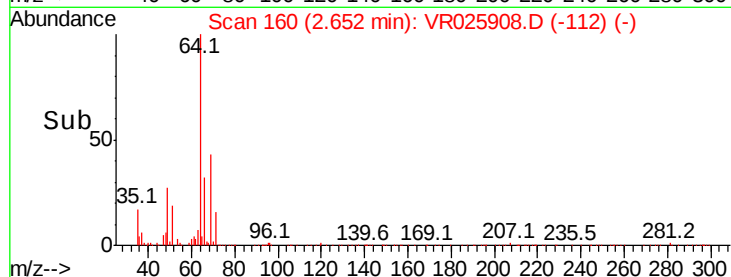
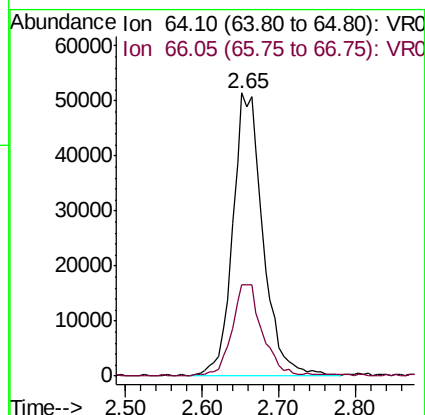
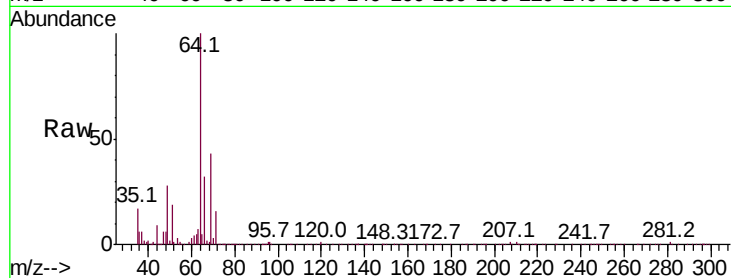
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 64 Resp: 139875

Ion Ratio Lower Upper

64 100

66 32.3 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.448 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR025908.D

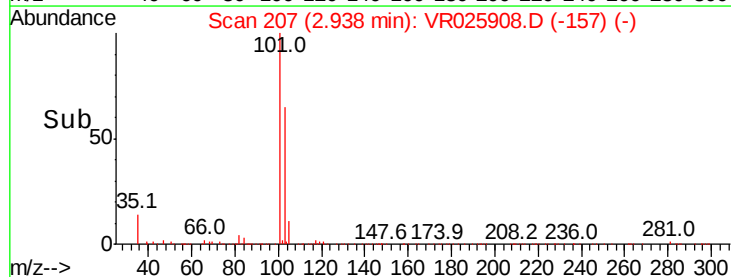
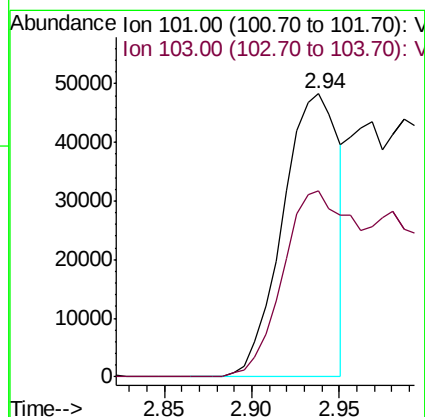
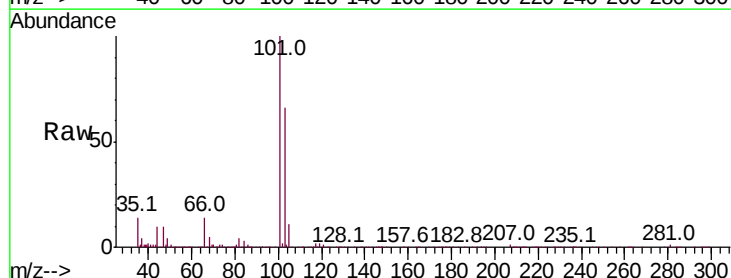
Acq: 1 Oct 2018 10:44

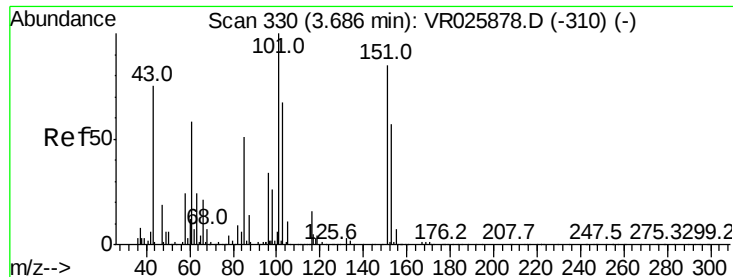
Tgt Ion: 101 Resp: 107235

Ion Ratio Lower Upper

101 100

103 83.5 22.1 33.1#





#10

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

Concen: 4.506 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

ClientSampleId :

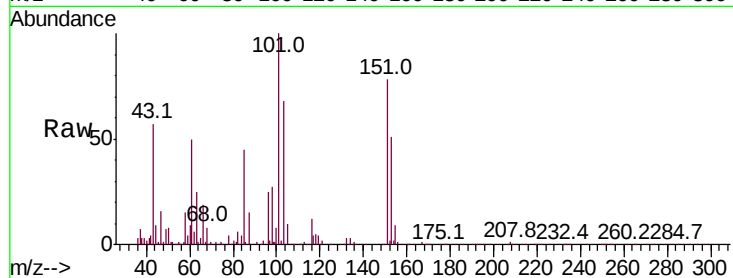
Tot Ion:101 Resp: 203949

Ion Ratio Lower Upper

101 100

85 47.3 38.2 57.4

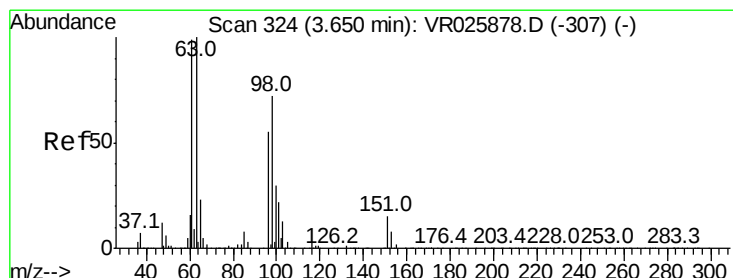
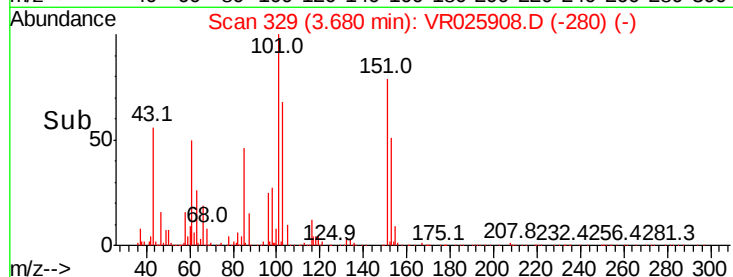
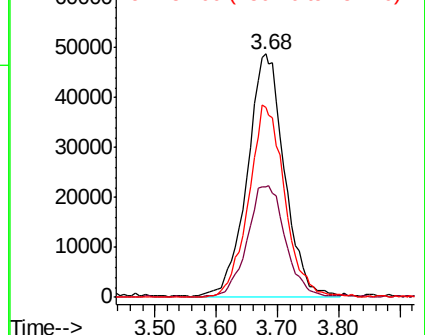
151 77.4 58.4 87.6



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: 4.416 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

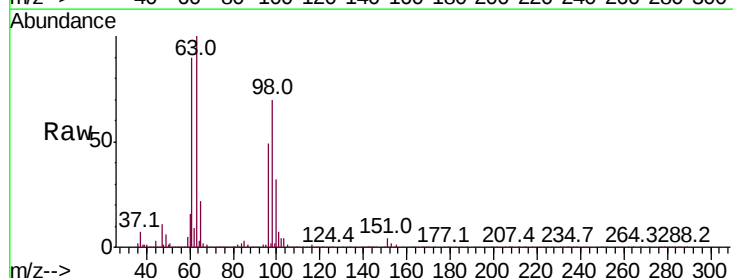
Tgt Ion: 96 Resp: 206627

Ion Ratio Lower Upper

96 100

61 184.1 145.0 269.4

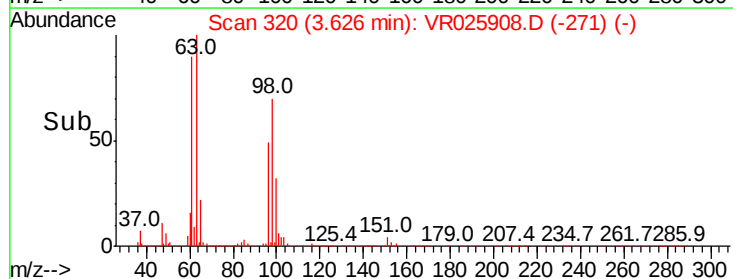
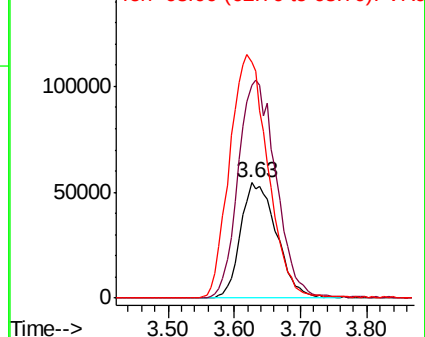
63 203.9 123.8 230.0

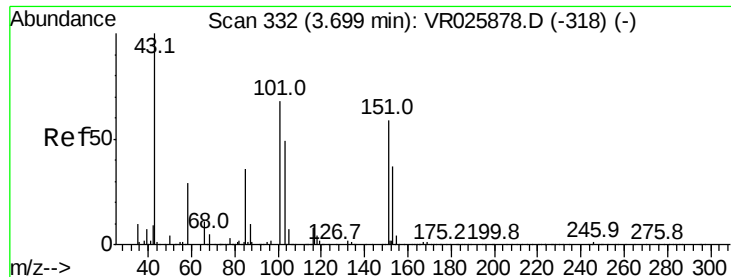


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 38.024 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

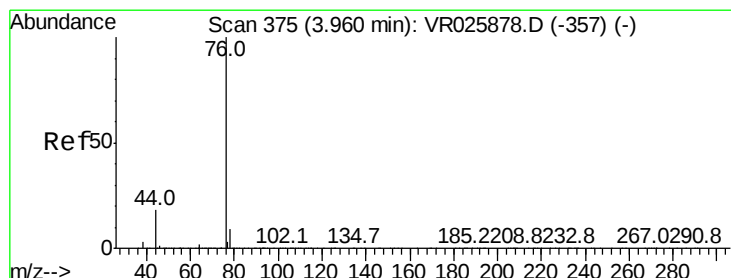
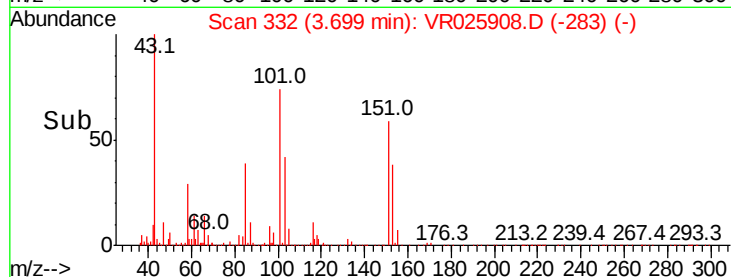
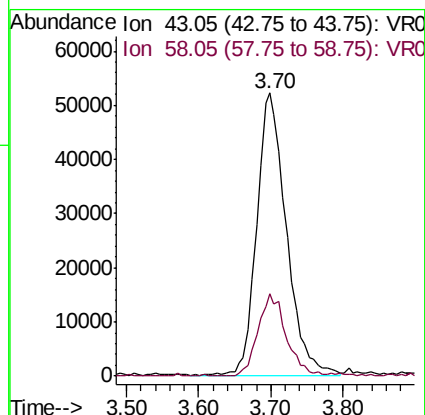
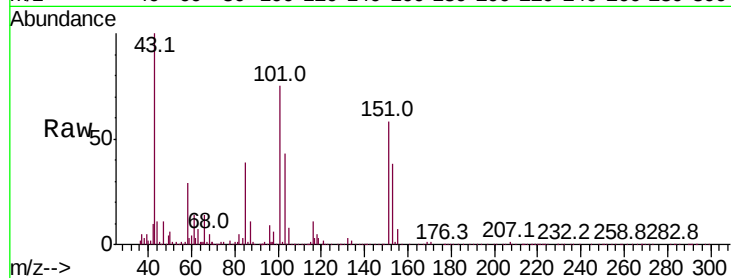
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 150190

Ion Ratio Lower Upper

43 100

58 26.7 0.0 51.4



#14

Carbon disulfide

Concen: 4.915 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.00 min

Lab File: VR025908.D

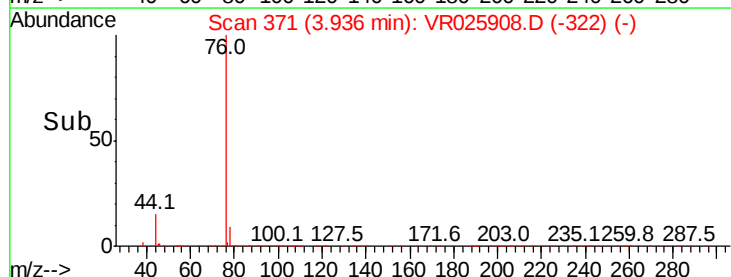
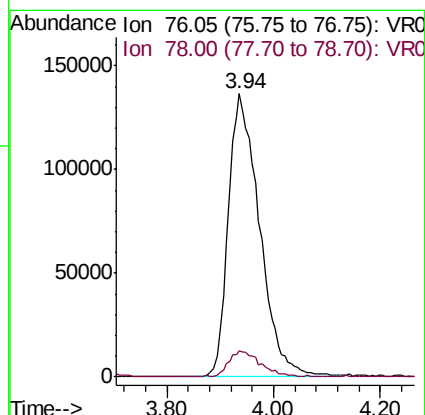
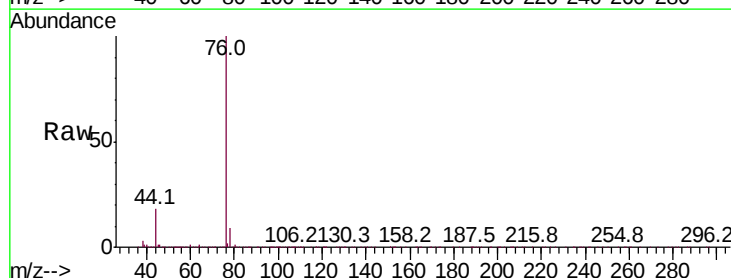
Acq: 1 Oct 2018 10:44

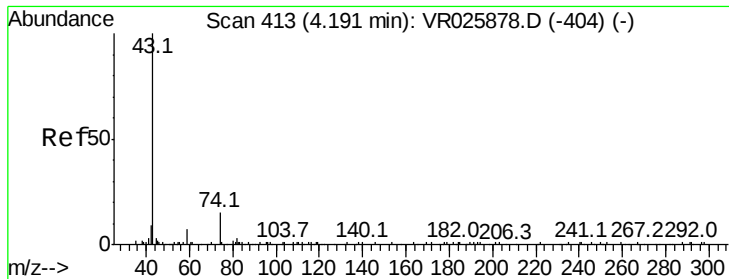
Tgt Ion: 76 Resp: 556815

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

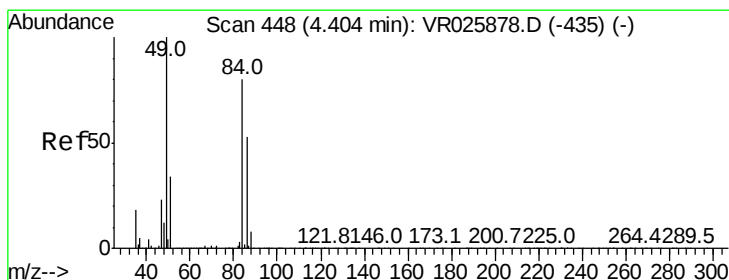
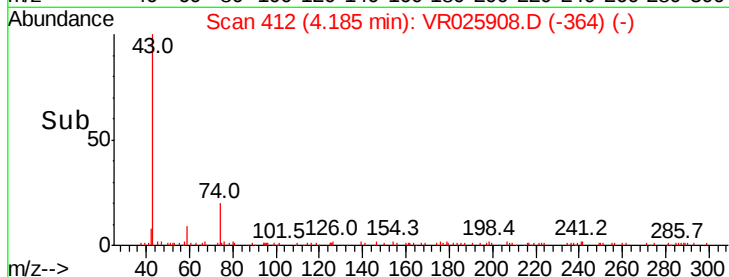
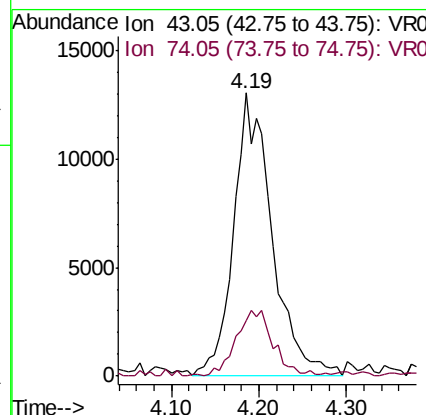
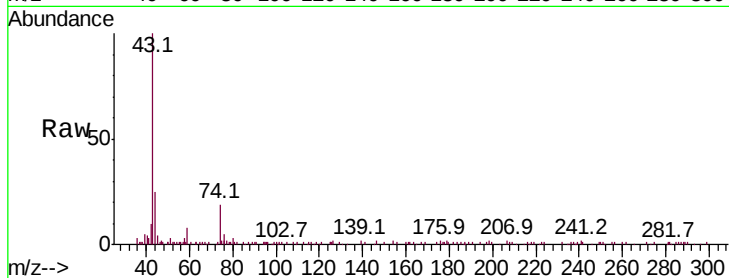




#15
Methyl Acetate
Concen: 3.617 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

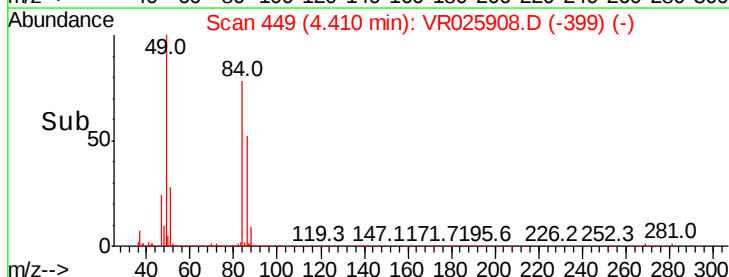
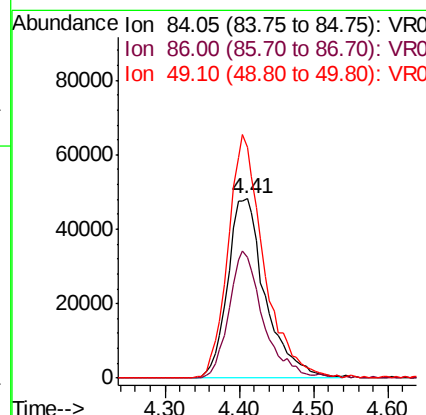
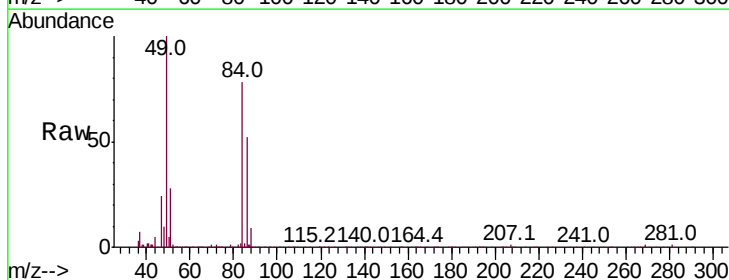
Instrument :
MSVOA_R
ClientSampled :

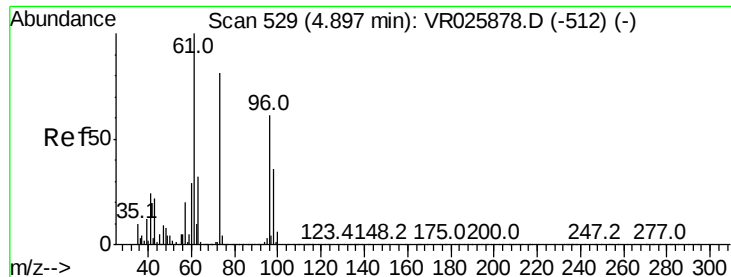
Tot Ion: 43 Resp: 39617
Ion Ratio Lower Upper
43 100
74 22.2 19.0 28.4



#16
Methylene chloride
Concen: 3.939 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion: 84 Resp: 169478
Ion Ratio Lower Upper
84 100
86 67.5 43.1 80.1
49 128.8 95.5 177.3

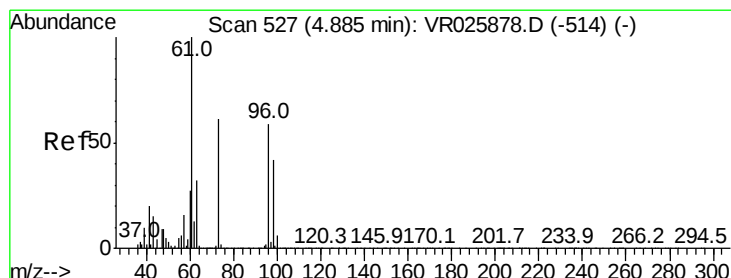
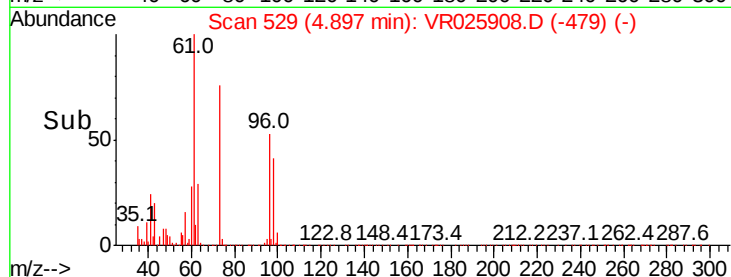
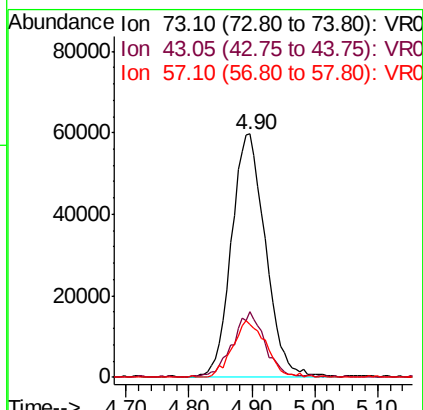
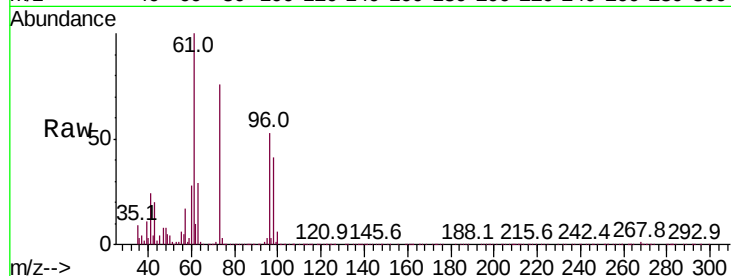




#17
Methvl tert-butvl Ether
Concen: 4.279 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

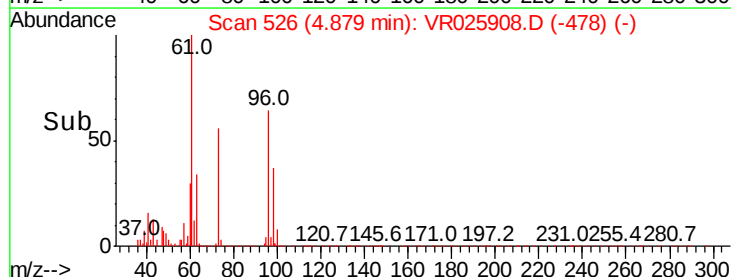
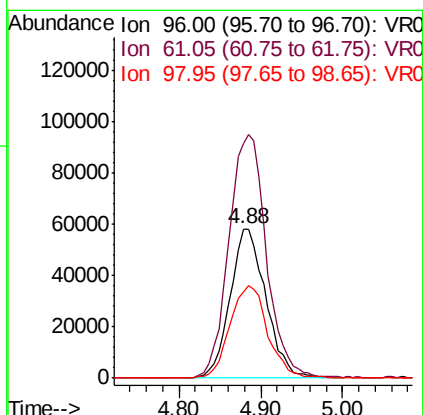
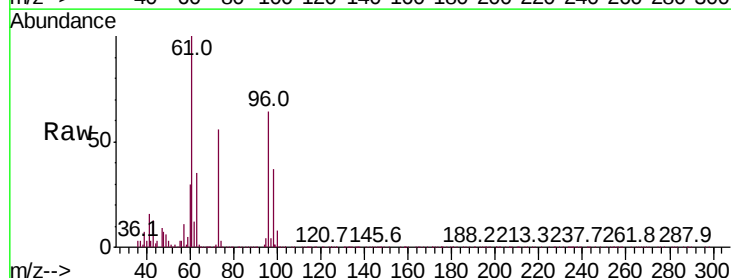
Instrument :
MSVOA_R
ClientSampleId :

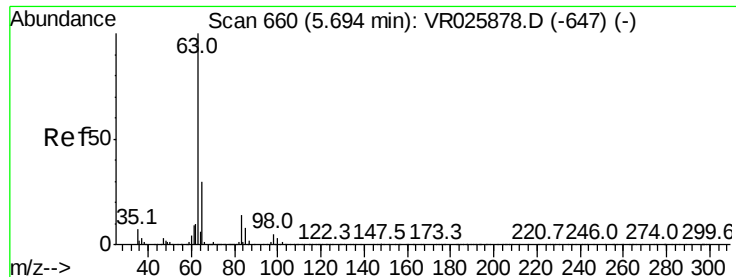
Tot Ion: 73 Resp: 221721
Ion Ratio Lower Upper
73 100
43 25.9 19.8 29.8
57 23.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.568 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion: 96 Resp: 176806
Ion Ratio Lower Upper
96 100
61 157.2 127.4 236.6
98 57.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 4.528 ug/L

RT: 5.69 min Scan# 660

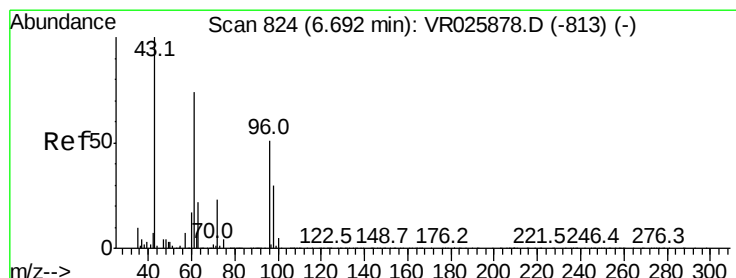
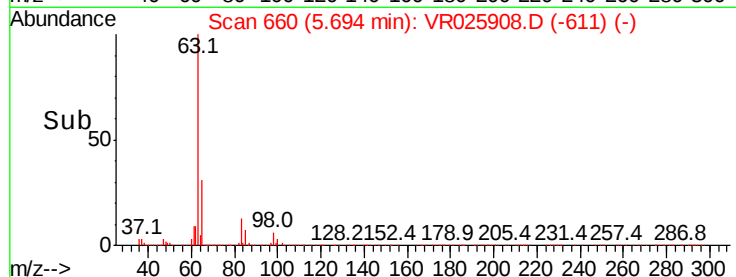
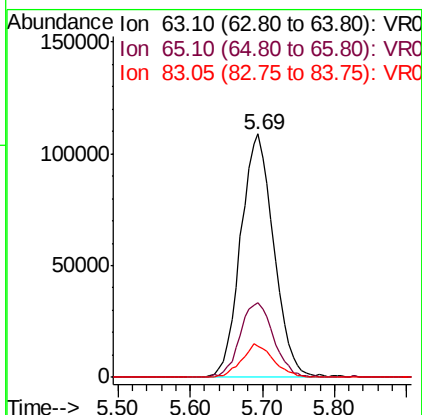
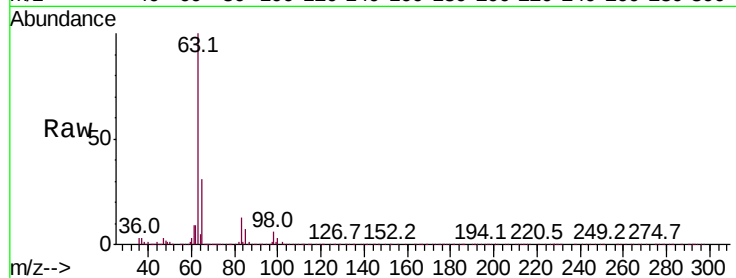
Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	63	Resp:	346963
Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.1	39.1
83	12.8	8.9	16.5



#21

2-Butanone

Concen: 39.887 ug/L

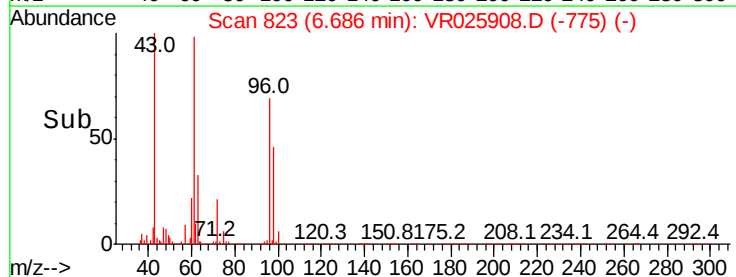
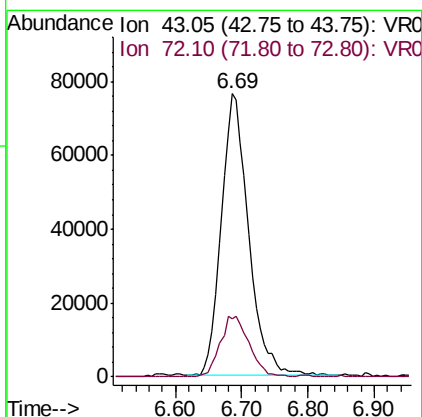
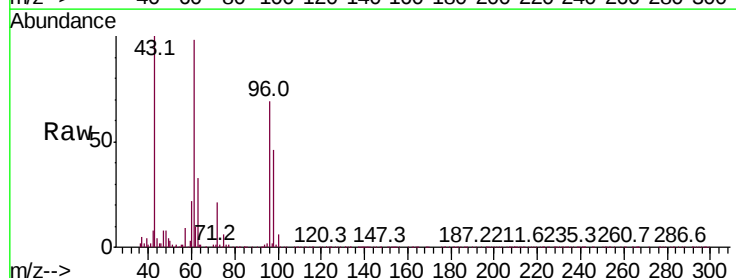
RT: 6.69 min Scan# 823

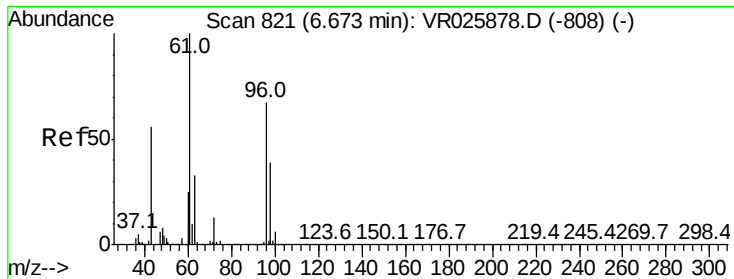
Delta R.T. -0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Tgt Ion:	43	Resp:	216699
Ion	Ratio	Lower	Upper
43	100		
72	23.3	11.9	35.7



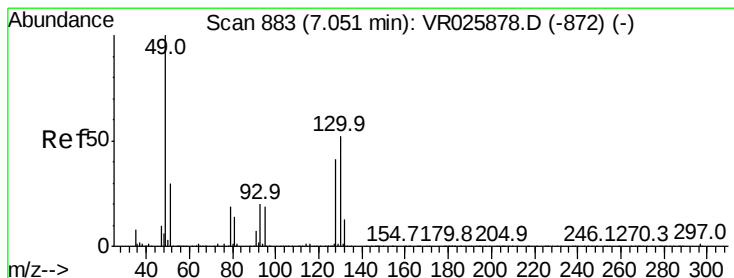
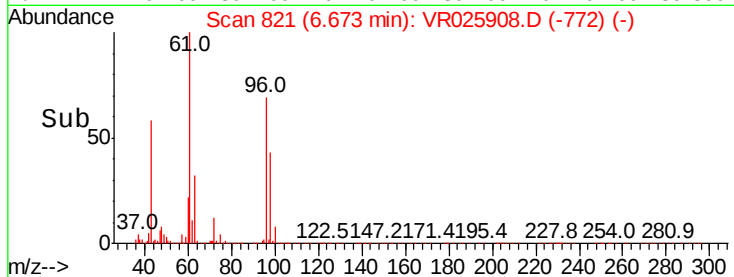
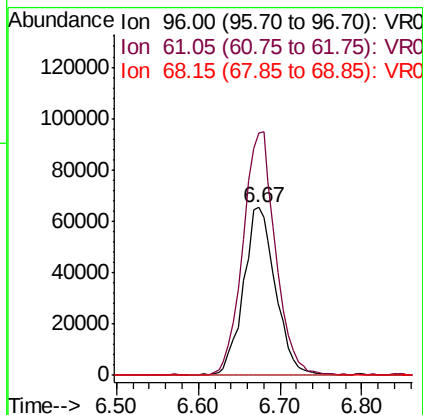
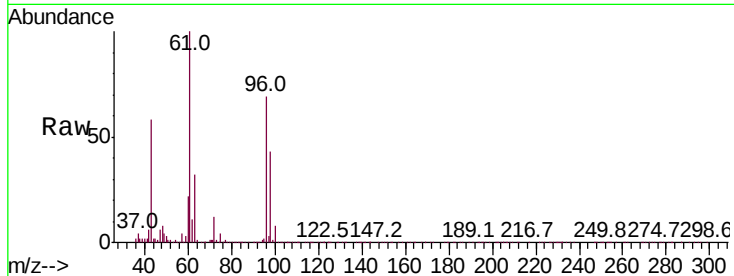


#22

cis-1,2-Dichloroethene
Concen: 4.550 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Instrument :
MSVOA_R
ClientSampleId :

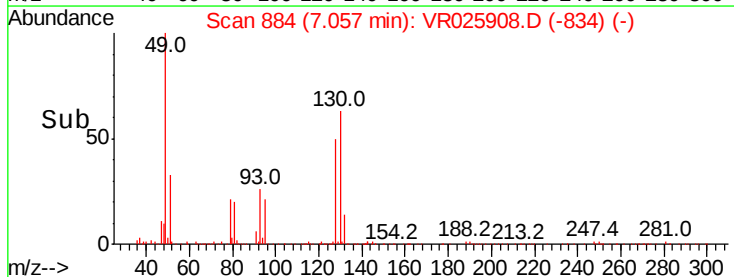
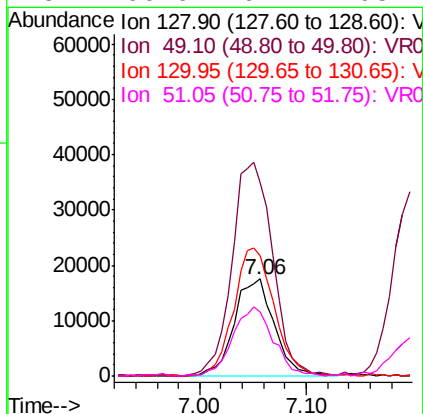
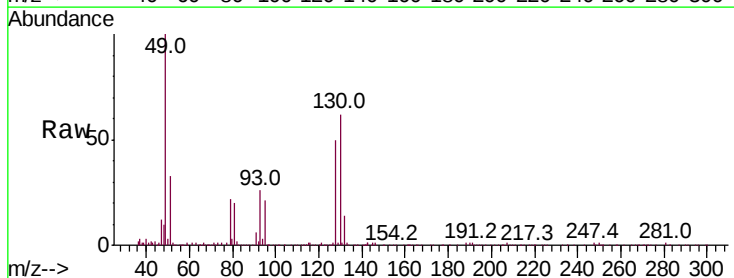
Tot Ion: 96 Resp: 177174
Ion Ratio Lower Upper
96 100
61 144.7 108.7 201.9
68 0.2 0.1 0.1#

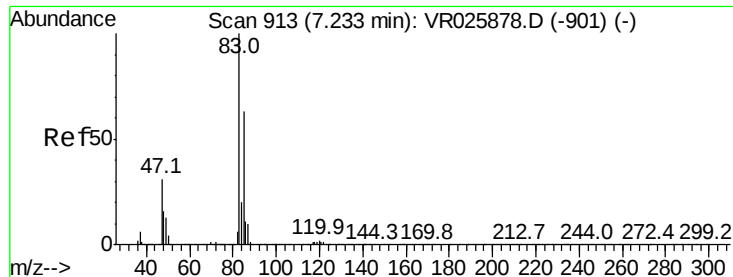


#23

Bromochloromethane
Concen: 4.381 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion: 128 Resp: 46278
Ion Ratio Lower Upper
128 100
49 199.9 175.0 325.0
130 124.4 85.6 159.0
51 66.6 62.2 93.2

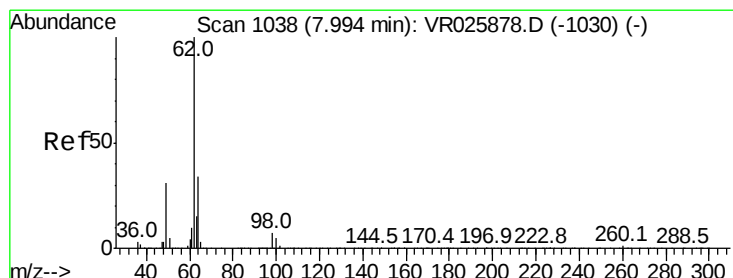
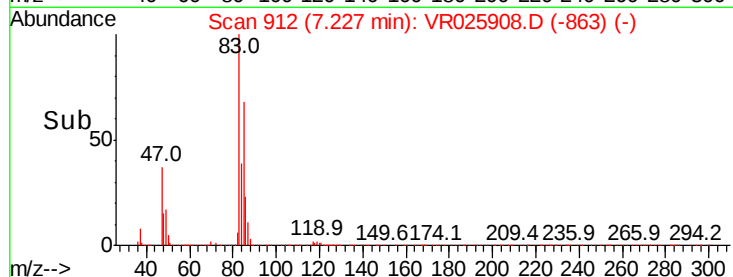
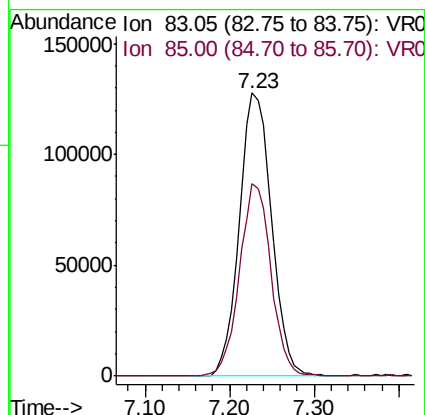
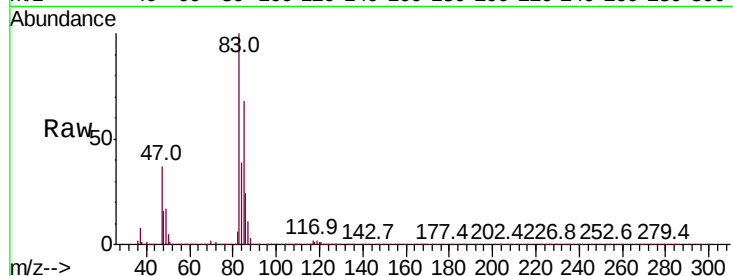




#25
Chloroform
Concen: 4.410 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

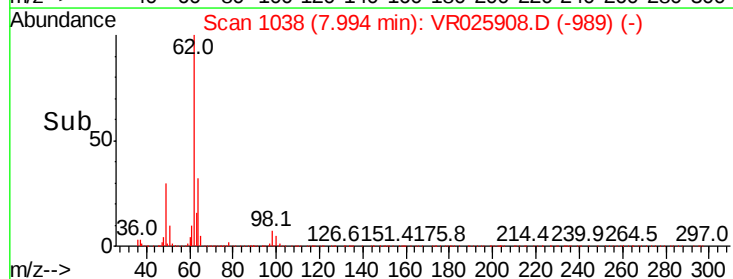
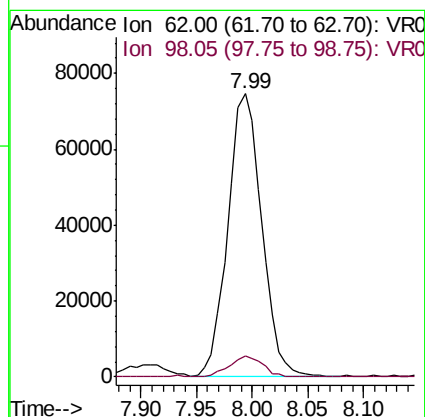
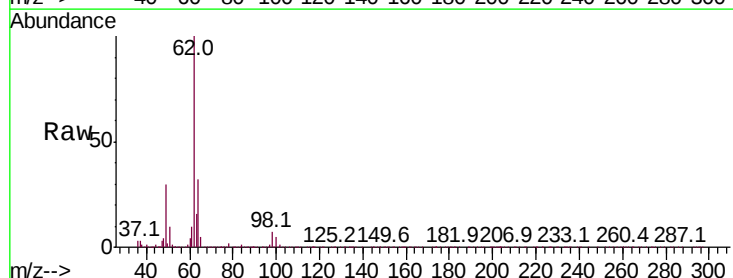
Instrument :
MSVOA_R
ClientSampled :

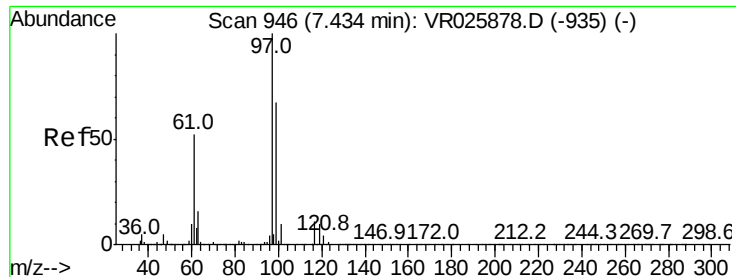
Tot Ion: 83 Resp: 329040
Ion Ratio Lower Upper
83 100
85 68.0 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.197 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion: 62 Resp: 156262
Ion Ratio Lower Upper
62 100
98 7.5 5.2 7.8

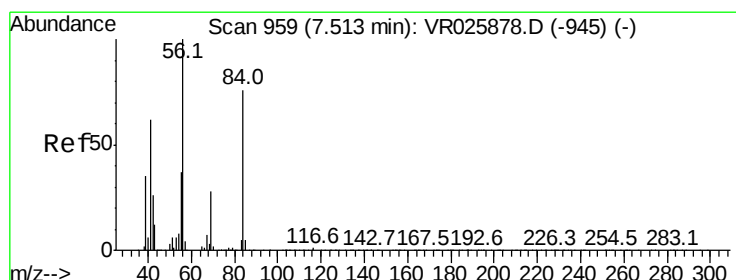
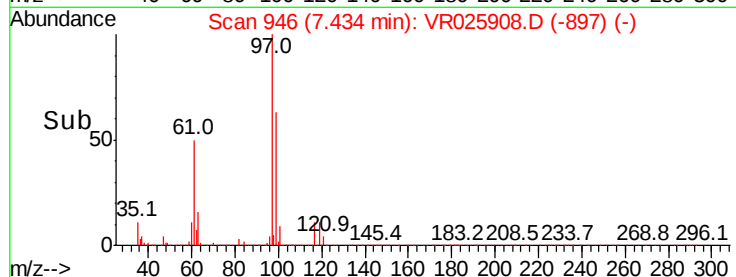
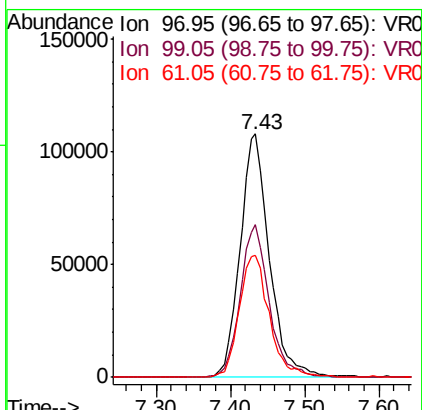
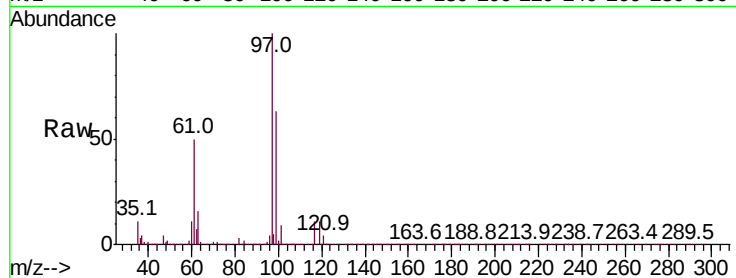




#29
1,1,1-Trichloroethane
Concen: 5.144 ug/L
RT: 7.43 min Scan# 946
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

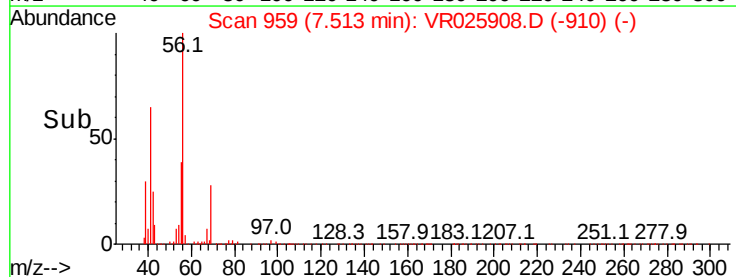
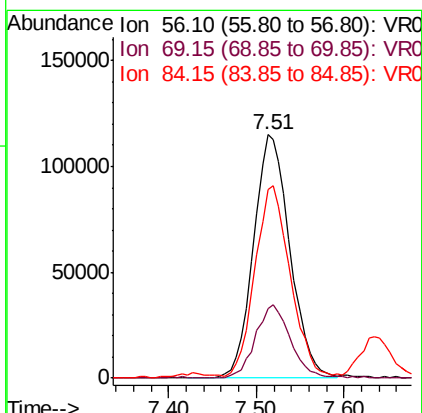
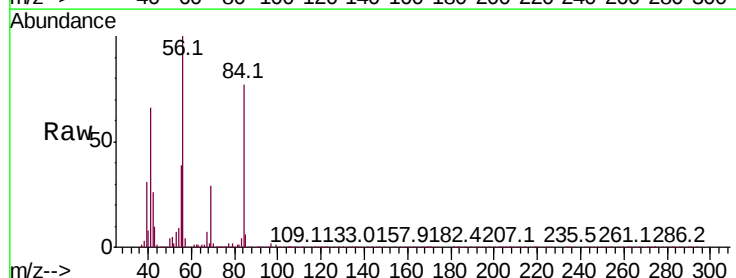
Instrument :
MSVOA_R
ClientSampleId :

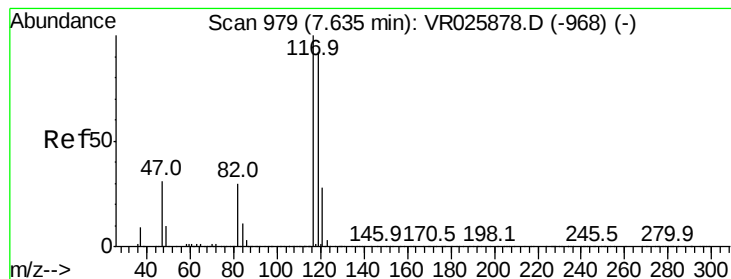
Tot Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.0	76.6
61	51.8	41.6	62.4



#30
Cyclohexane
Concen: 4.613 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.8	37.2
84	77.5	59.8	89.8





#31

Carbon tetrachloride

Concen: 5.162 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

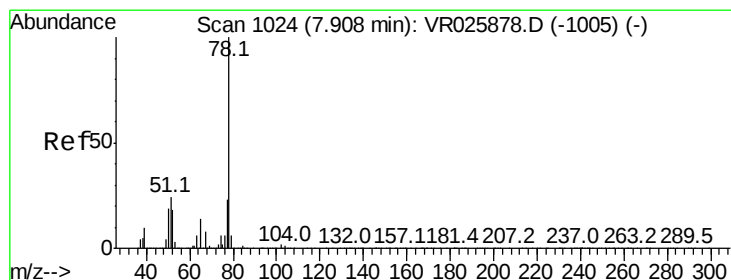
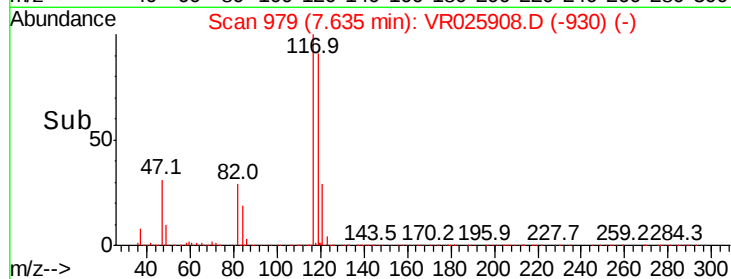
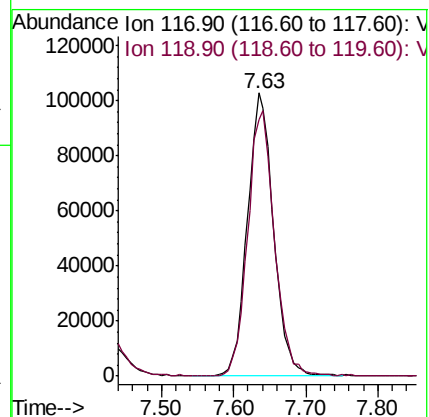
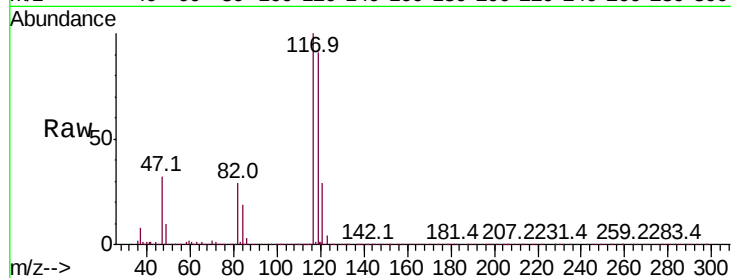
ClientSampled :

Tot Ion:117 Resp: 257599

Ion Ratio Lower Upper

117 100

119 95.8 75.6 113.4



#33

Benzene

Concen: 4.493 ug/L

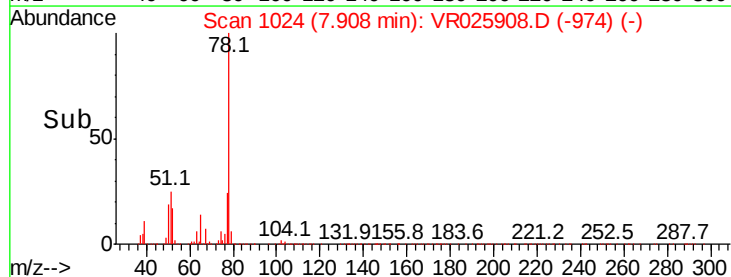
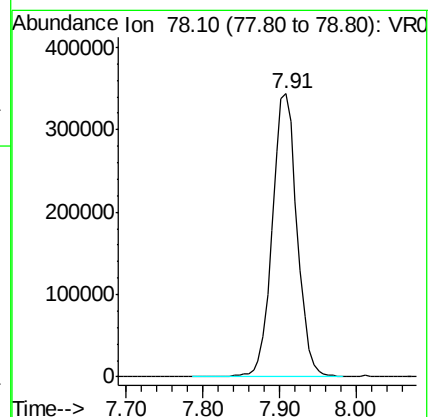
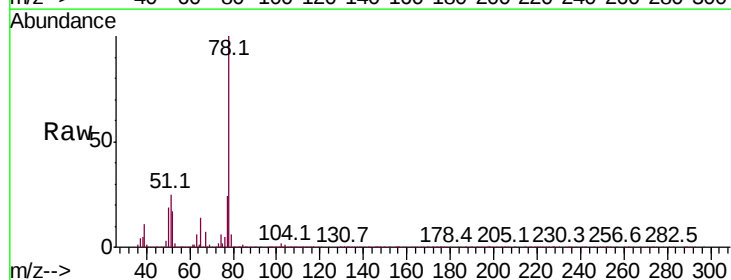
RT: 7.91 min Scan# 1024

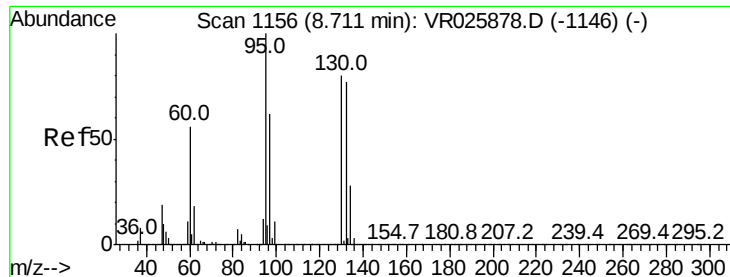
Delta R.T. 0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Tgt Ion: 78 Resp: 772264





#34

Trichloroethene

Concen: 4.539 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 95 Resp: 205541

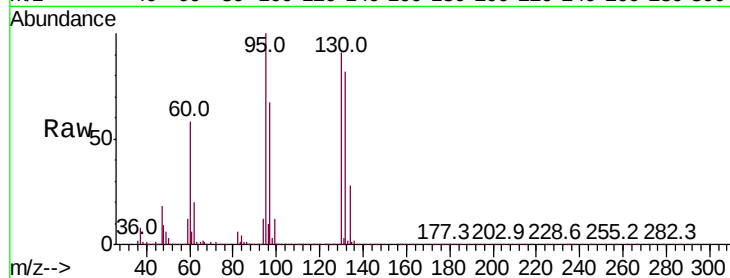
Ion Ratio Lower Upper

95 100

97 66.9 43.9 81.5

132 82.2 53.3 98.9

130 91.3 53.8 99.8

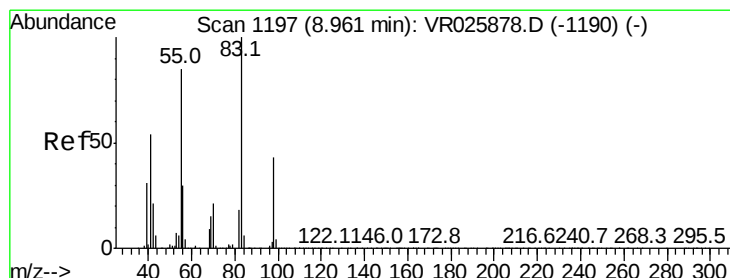
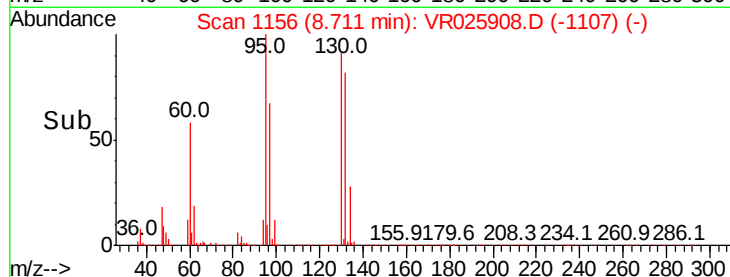
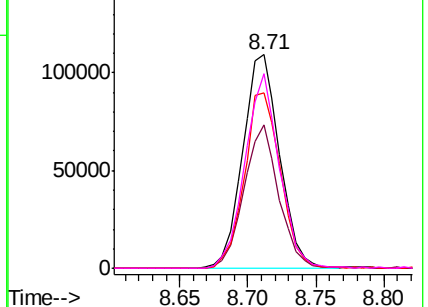


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.802 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

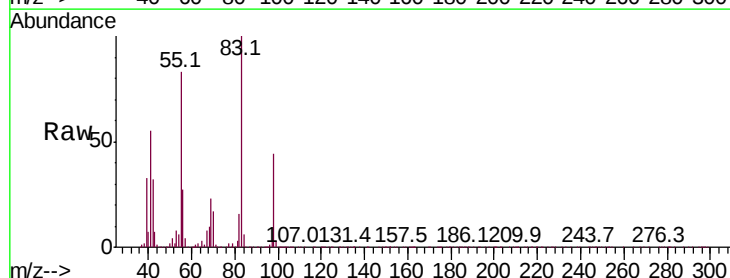
Tgt Ion: 83 Resp: 326973

Ion Ratio Lower Upper

83 100

55 84.5 71.8 107.6

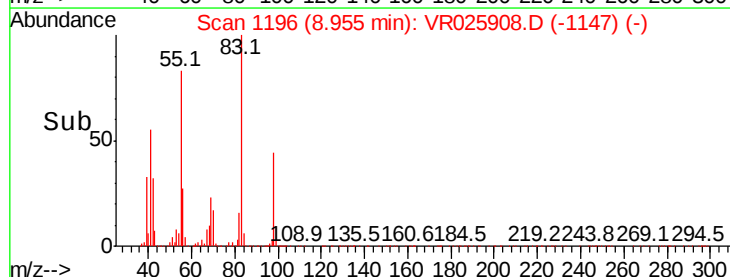
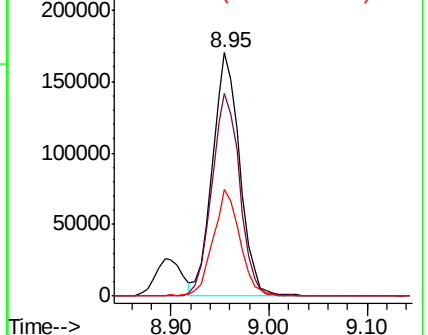
98 43.6 34.2 51.4

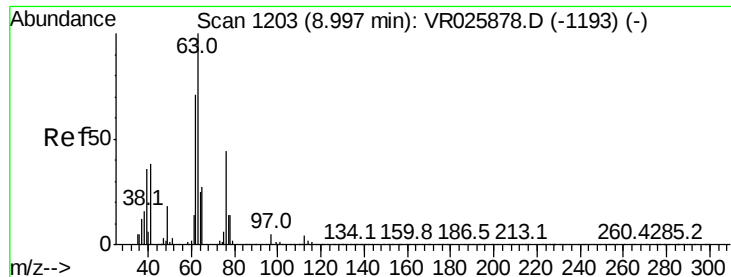


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.548 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

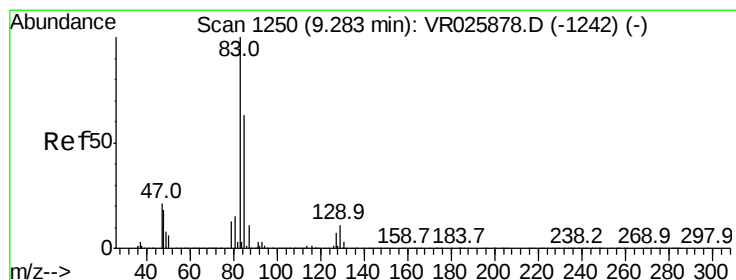
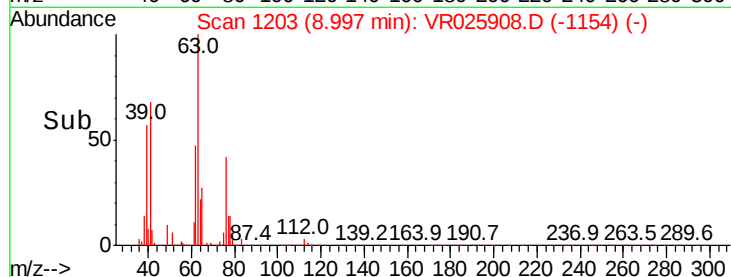
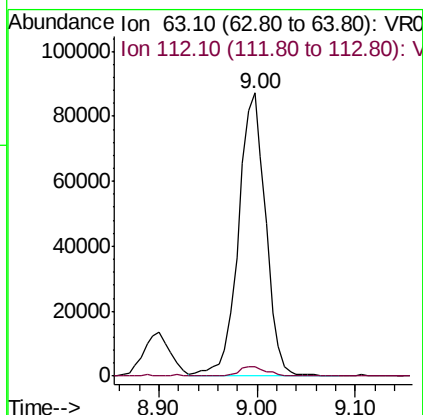
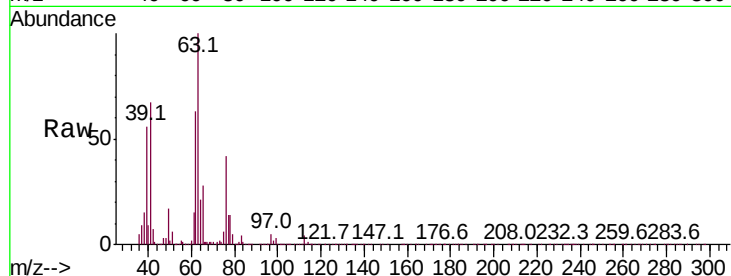
Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 167669

Ion	Ratio	Lower	Upper
63	100		
112	3.8	2.5	3.7#



#38

Bromodichloromethane

Concen: 4.473 ug/L

RT: 9.28 min Scan# 1250

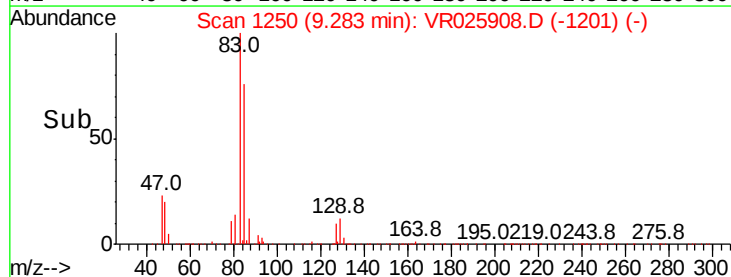
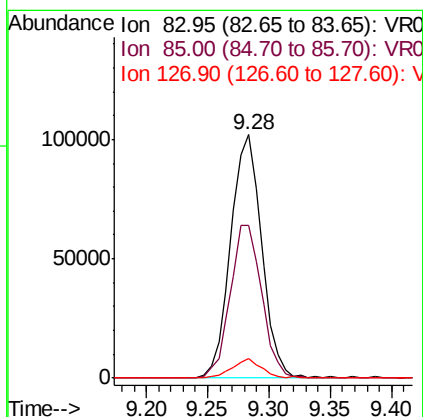
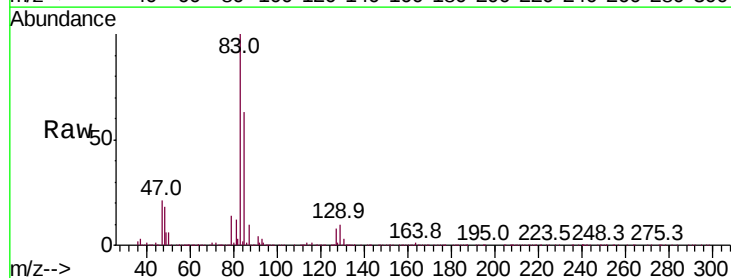
Delta R.T. -0.00 min

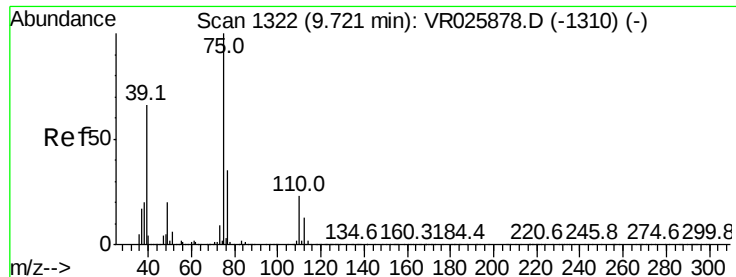
Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Tgt Ion: 83 Resp: 177929

Ion	Ratio	Lower	Upper
83	100		
85	62.7	42.8	79.4
127	7.9	5.6	8.4

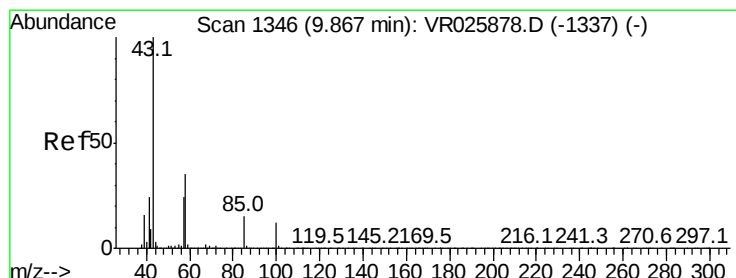
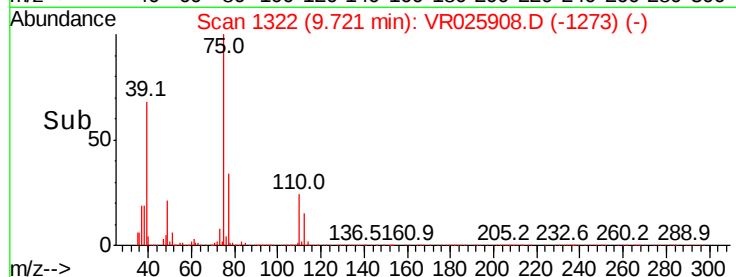
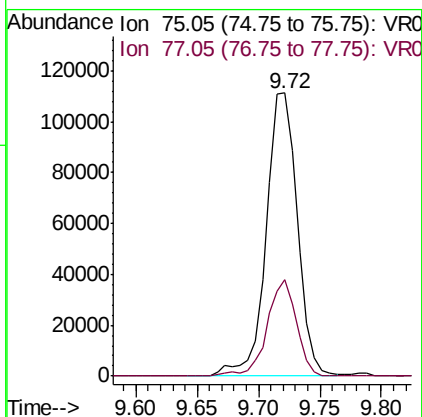
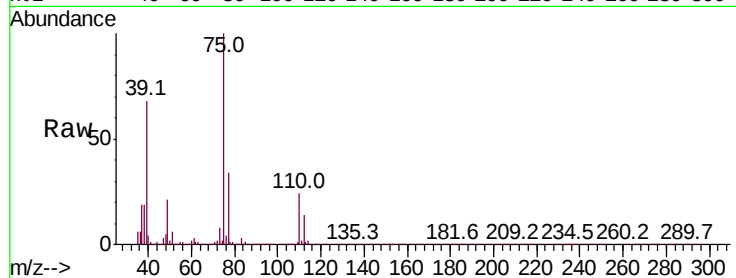




#39
 cis-1,3-Dichloropropene
 Concen: 4.767 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

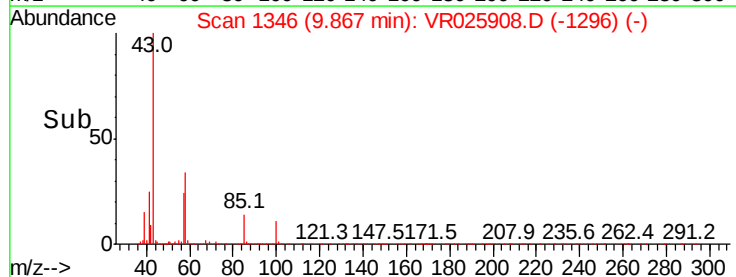
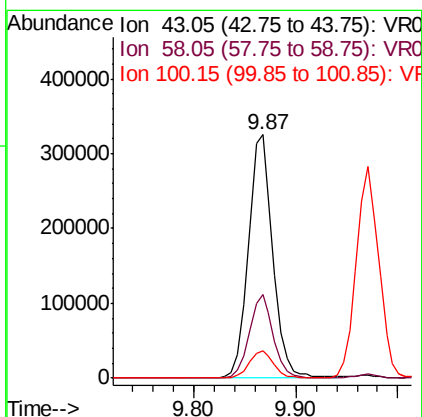
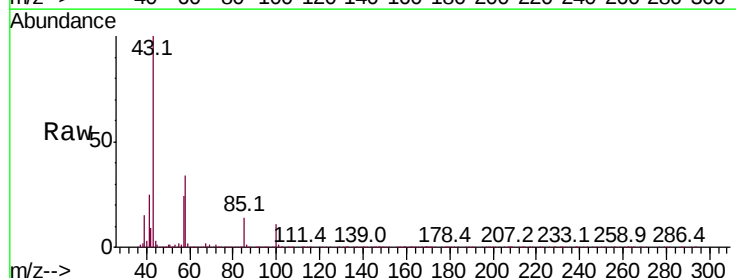
Instrument :
 MSVOA_R
 ClientSampleId :

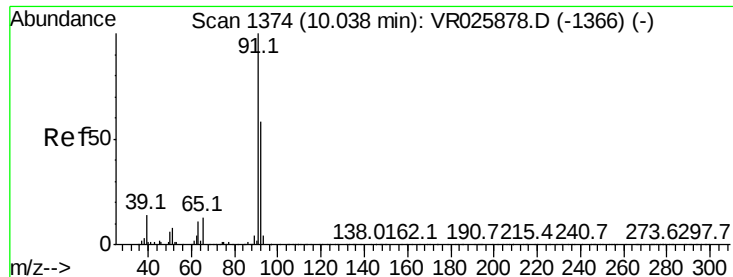
Tot Ion: 75 Resp: 197088
 Ion Ratio Lower Upper
 75 100
 77 34.3 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 41.765 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

Tgt Ion: 43 Resp: 541462
 Ion Ratio Lower Upper
 43 100
 58 33.8 28.6 43.0
 100 11.4 9.0 13.4





#42

Toluene

Concen: 4.562 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

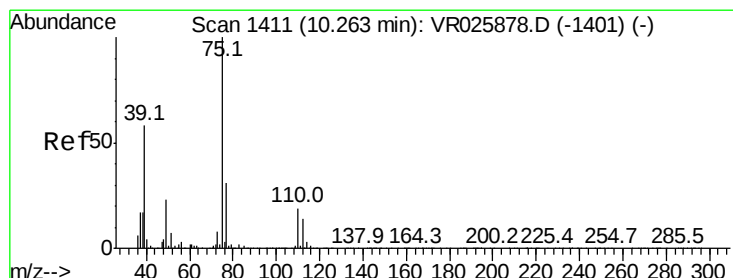
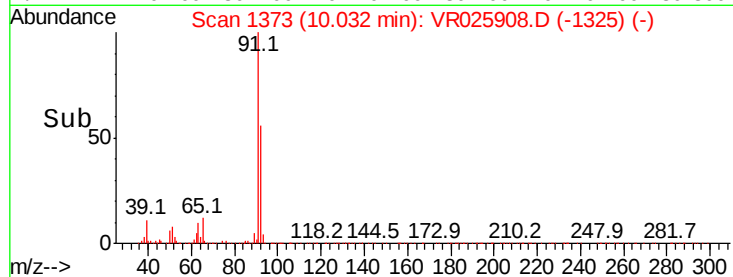
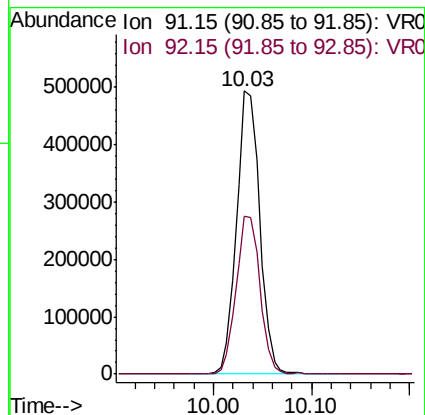
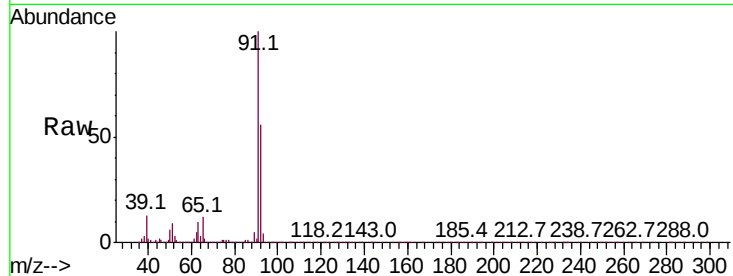
ClientSampled :

Tot Ion: 91 Resp: 814700

Ion Ratio Lower Upper

91 100

92 55.7 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.002 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025908.D

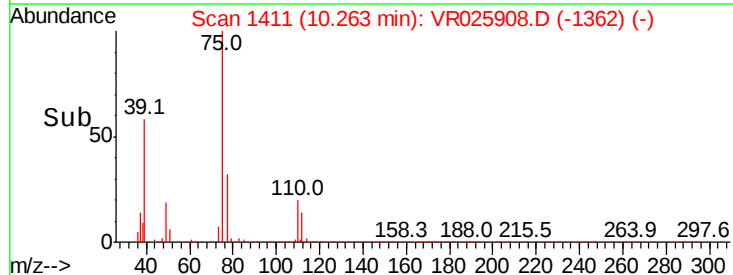
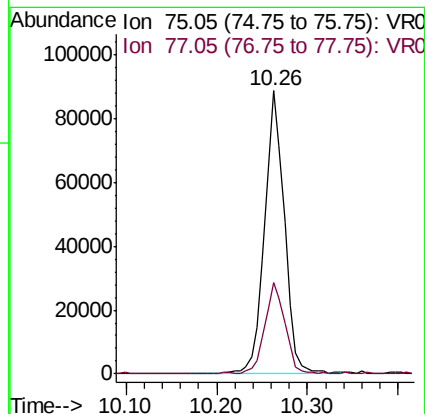
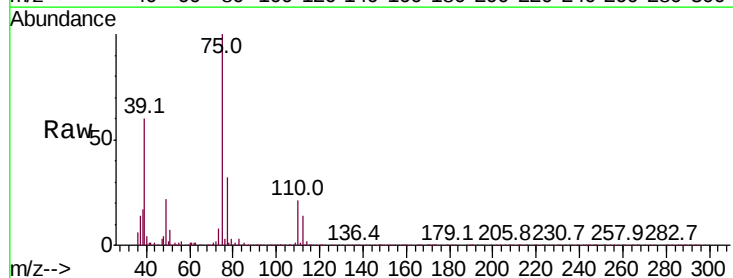
Acq: 1 Oct 2018 10:44

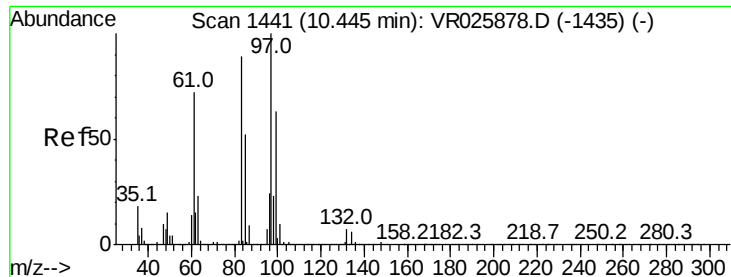
Tgt Ion: 75 Resp: 135012

Ion Ratio Lower Upper

75 100

77 32.4 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.170 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

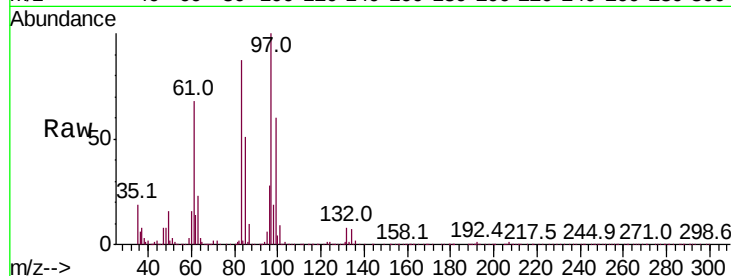
Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 69545

Ion	Ratio	Lower	Upper
97	100		
99	59.5	39.6	73.6
83	87.4	62.2	115.6
85	51.2	39.1	72.7

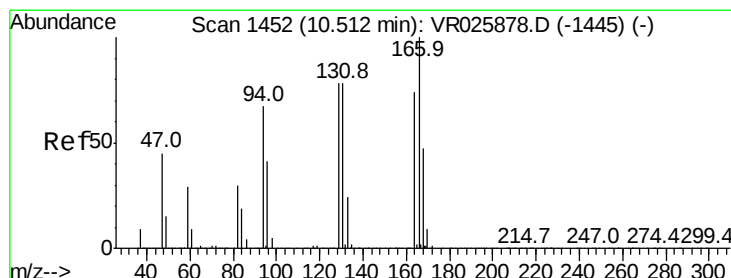
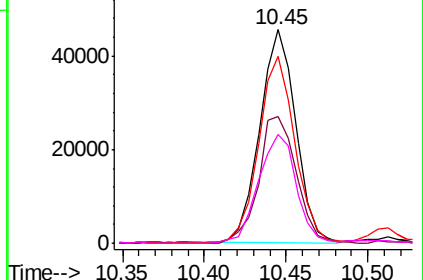
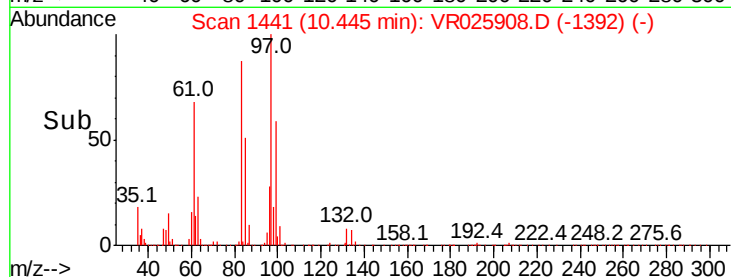


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.827 ug/L

RT: 10.51 min Scan# 1452

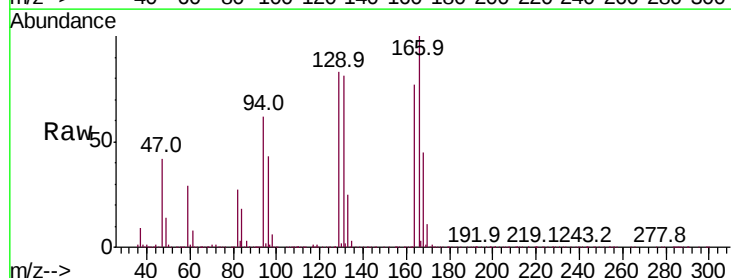
Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Tgt Ion: 164 Resp: 134698

Ion	Ratio	Lower	Upper
164	100		
129	107.2	80.8	150.2
131	104.6	74.5	138.3
166	129.3	92.5	171.7

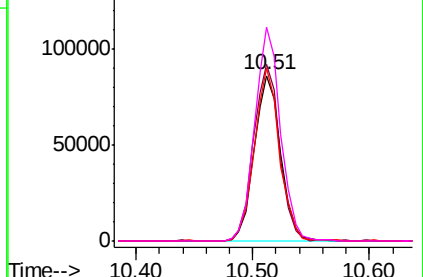
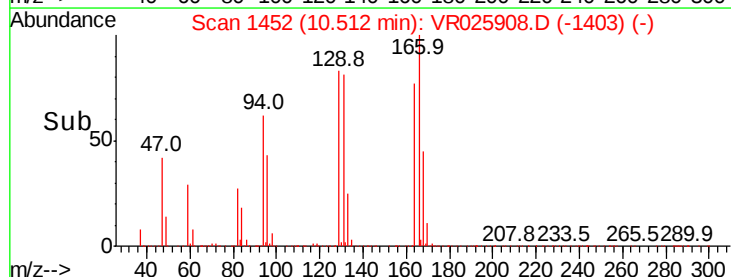


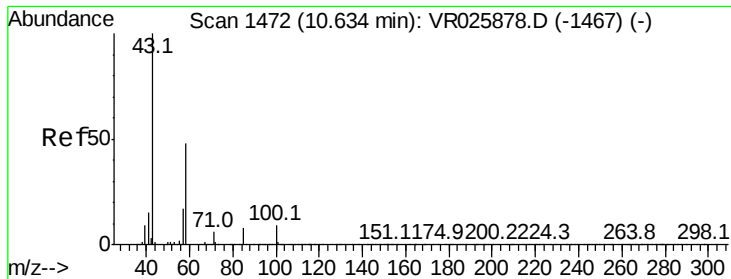
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

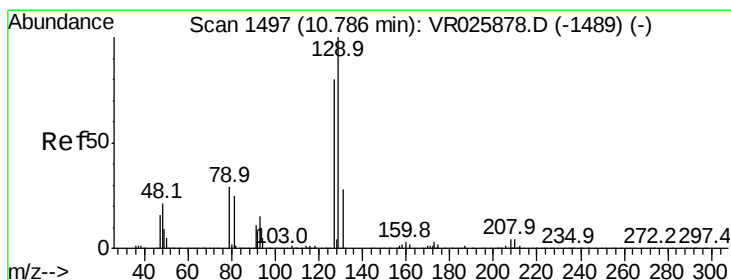
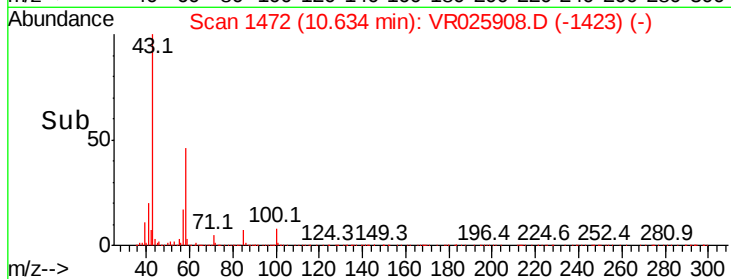
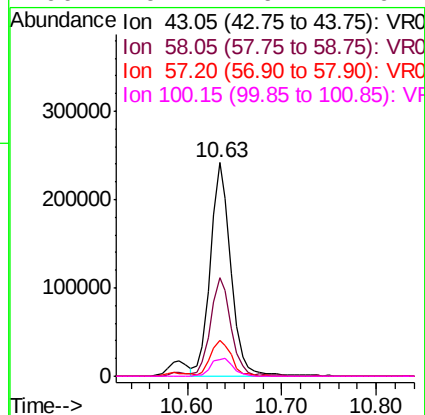
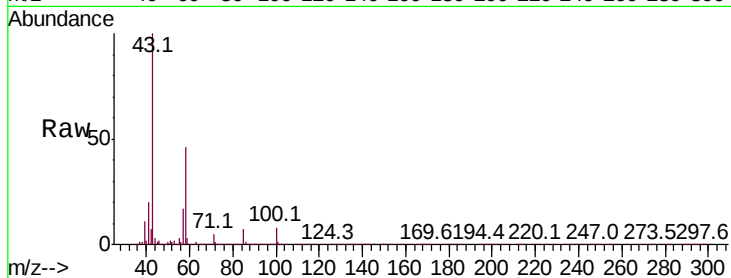




#48
2-Hexanone
Concen: 42.729 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

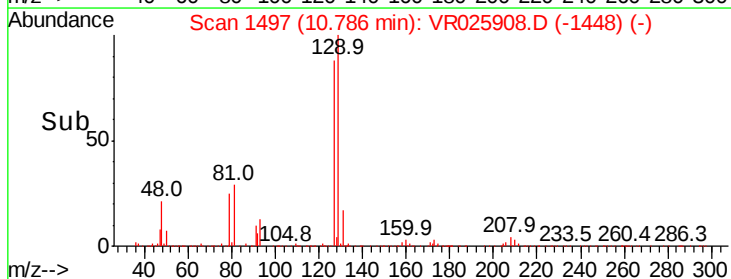
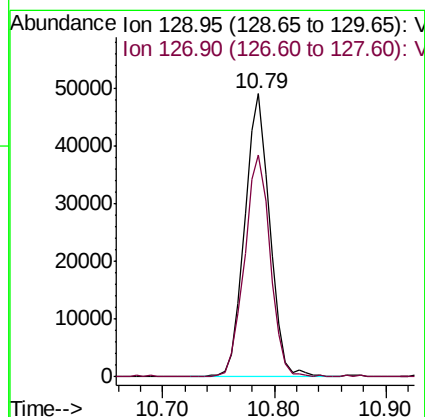
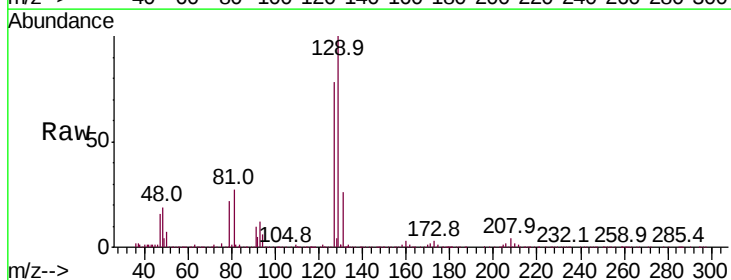
Instrument :
MSVOA_R
ClientSampleId :

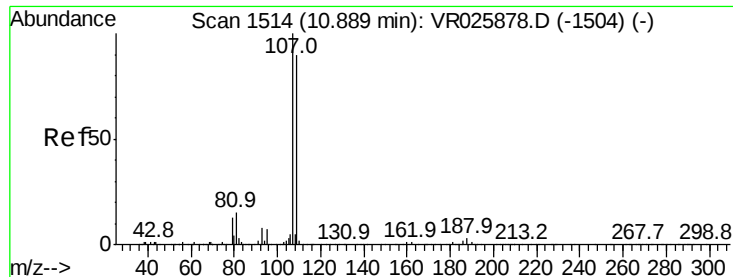
Tot Ion:	43	Resp:	362695
Ion	Ratio	Lower	Upper
43	100		
58	45.8	39.5	59.3
57	17.1	14.6	21.8
100	9.1	6.7	10.1



#49
Dibromochloromethane
Concen: 4.525 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion:	129	Resp:	76587
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.1	100.5

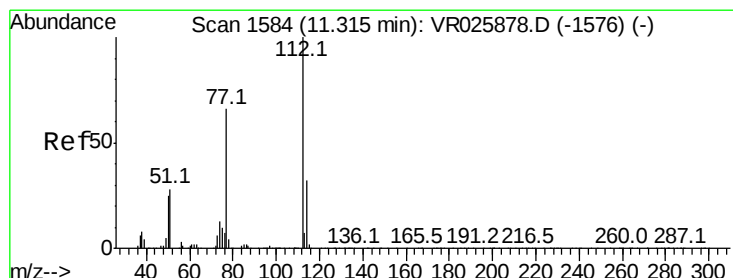
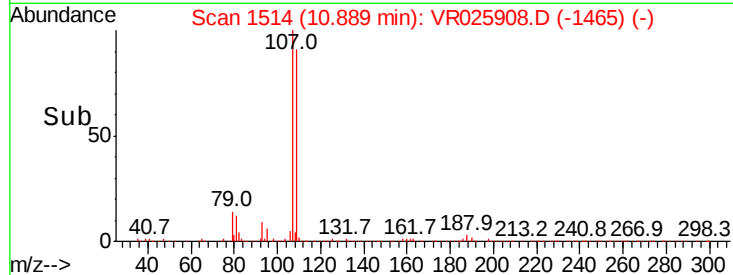
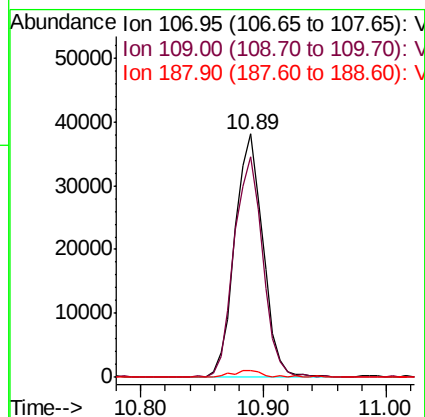
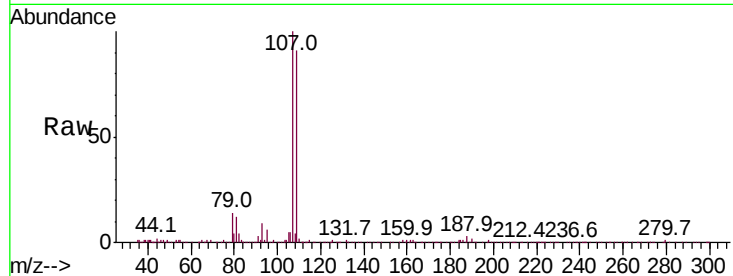




#50
 1,2-Dibromoethane
 Concen: 4.606 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

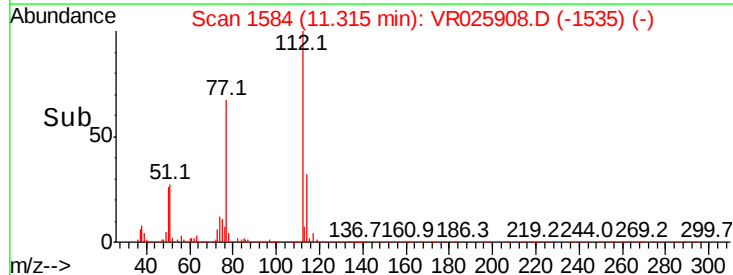
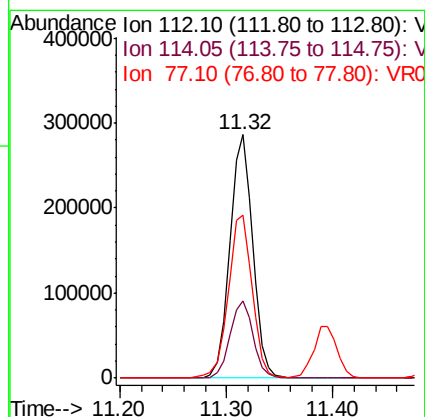
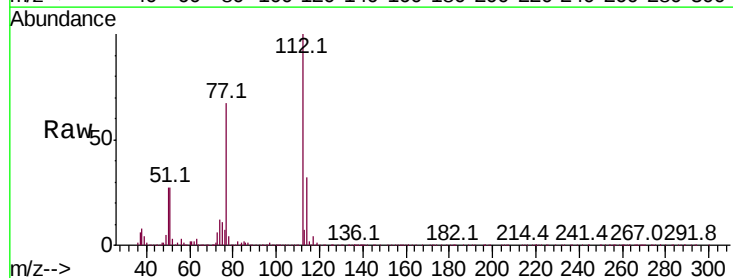
Instrument :
 MSVOA_R
 ClientSampleId :

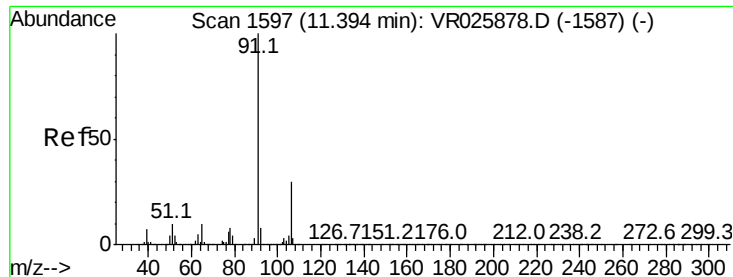
Tot Ion:107 Resp: 60607
 Ion Ratio Lower Upper
 107 100
 109 90.8 63.5 117.9
 188 3.0 1.7 2.5#



#51
 Chlorobenzene
 Concen: 4.550 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

Tgt Ion:112 Resp: 430985
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.7 42.3
 77 66.8 58.5 87.7





#52

Ethylbenzene

Concen: 4.736 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

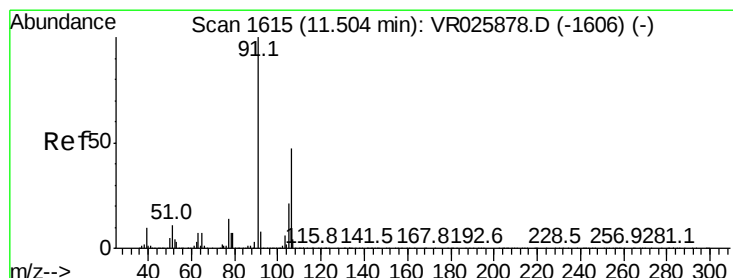
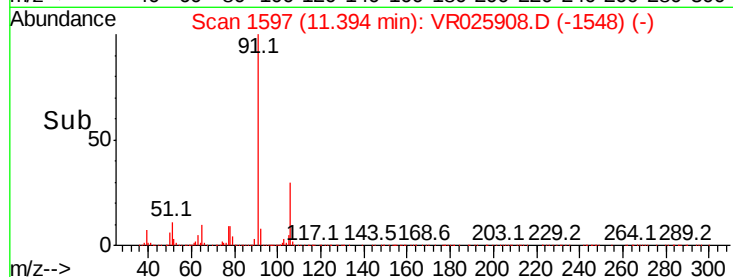
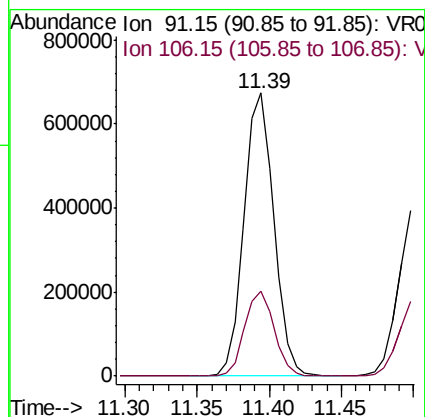
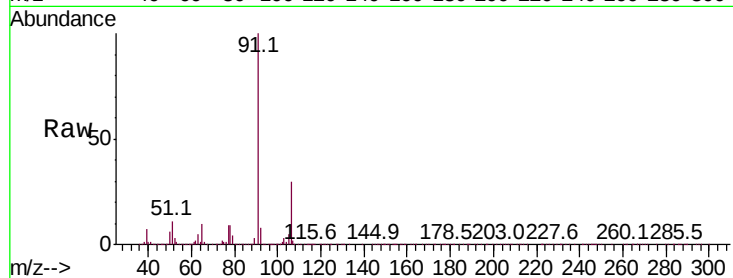
ClientSampleId :

Tot Ion: 91 Resp: 965405

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



#53

m,p-Xylene

Concen: 4.757 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025908.D

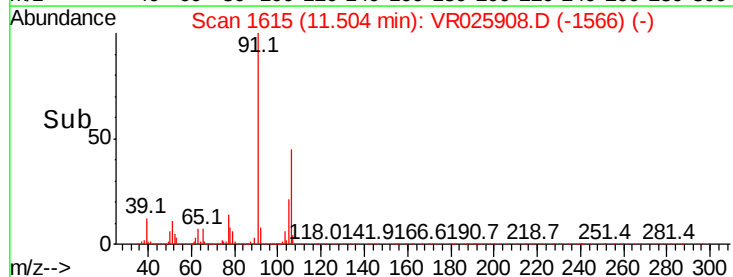
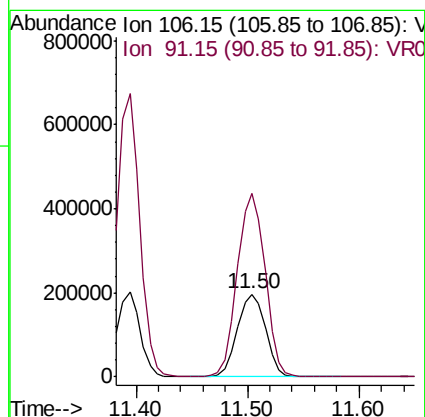
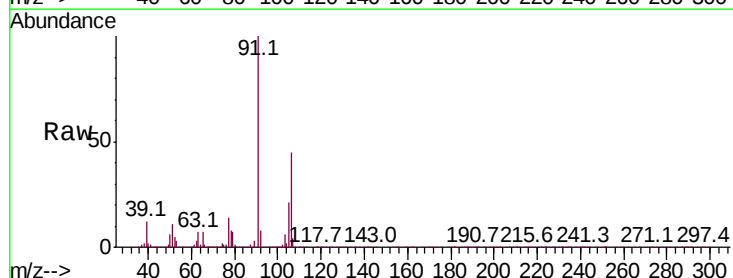
Acq: 1 Oct 2018 10:44

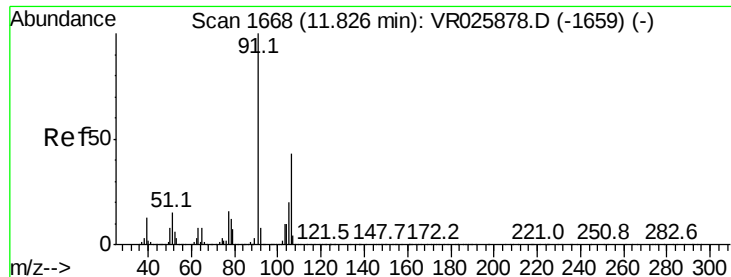
Tgt Ion: 106 Resp: 345222

Ion Ratio Lower Upper

106 100

91 222.0 159.7 296.5

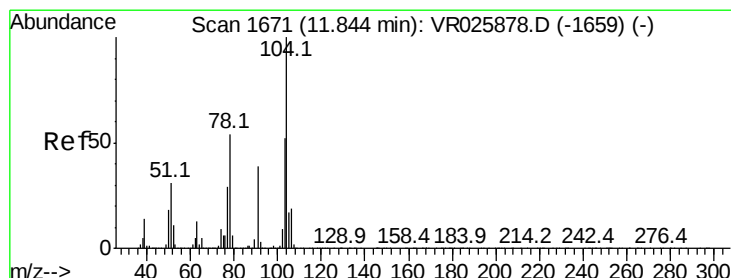
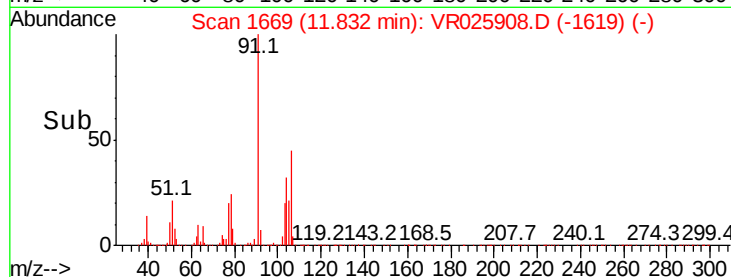
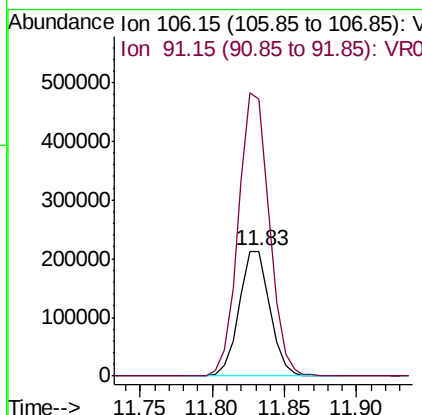
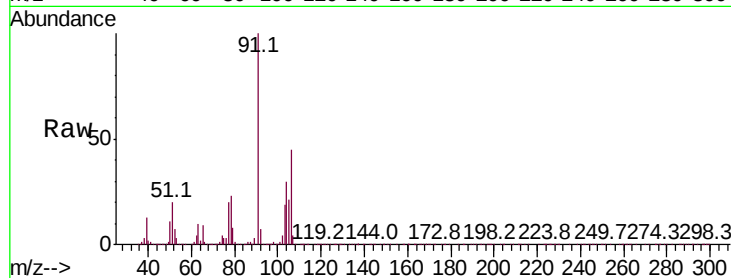




#54
o-Xylene
Concen: 4.665 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

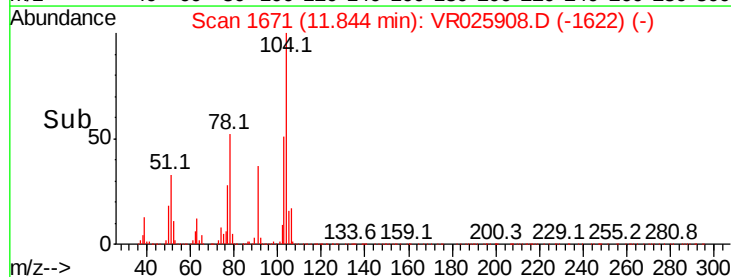
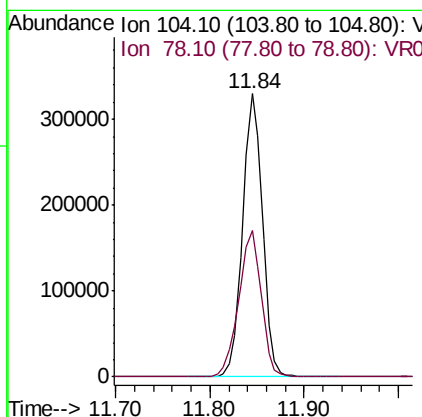
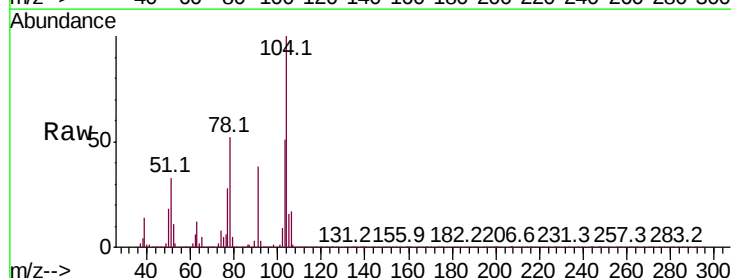
Instrument :
MSVOA_R
ClientSampleId :

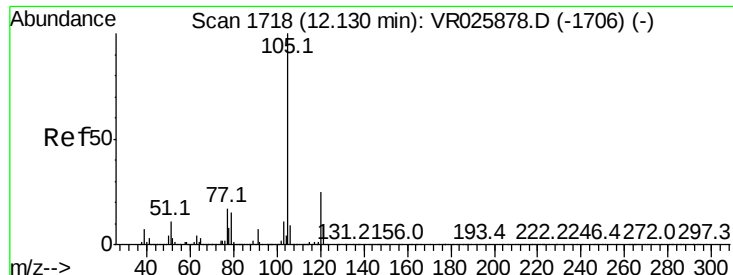
Tot Ion:106 Resp: 315142
Ion Ratio Lower Upper
106 100
91 220.7 164.5 305.5



#55
Styrene
Concen: 4.627 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion:104 Resp: 486407
Ion Ratio Lower Upper
104 100
78 51.8 39.3 72.9





#56

Isopropylbenzene

Concen: 4.868 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

ClientSampleId :

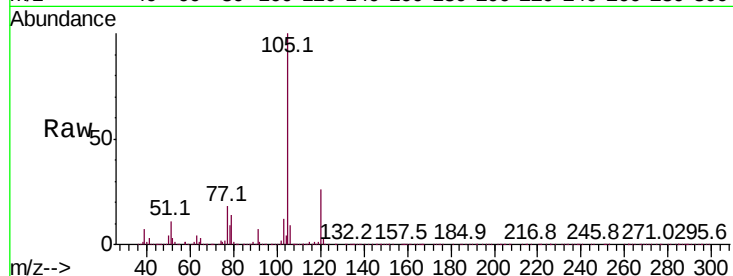
Tot Ion:105 Resp: 907022

Ion Ratio Lower Upper

105 100

120 25.5 19.8 29.8

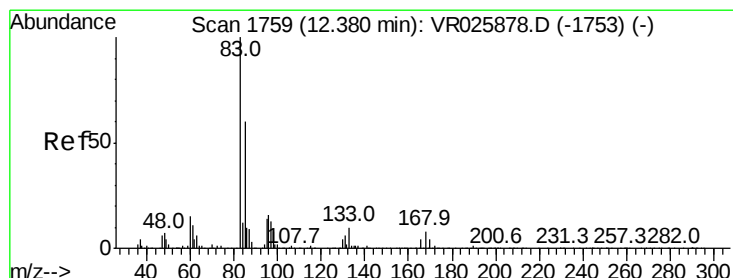
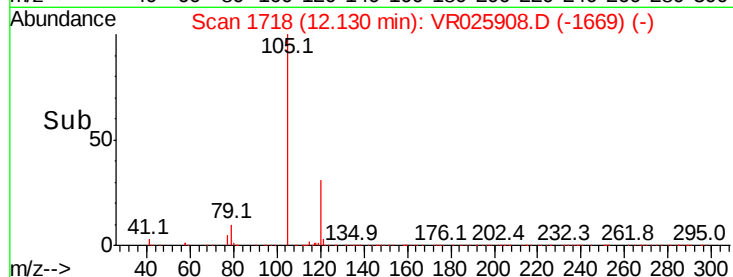
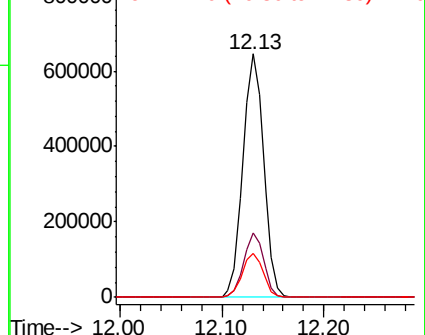
77 18.2 15.5 23.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.205 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

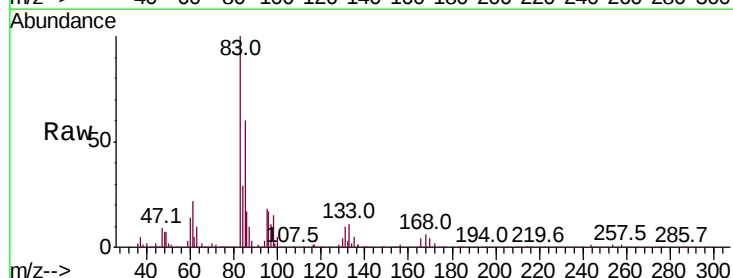
Tgt Ion: 83 Resp: 67563

Ion Ratio Lower Upper

83 100

85 60.3 45.8 85.0

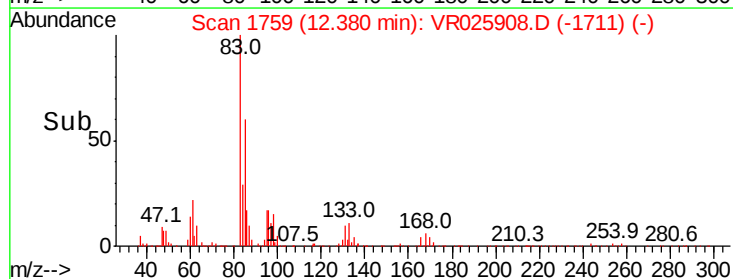
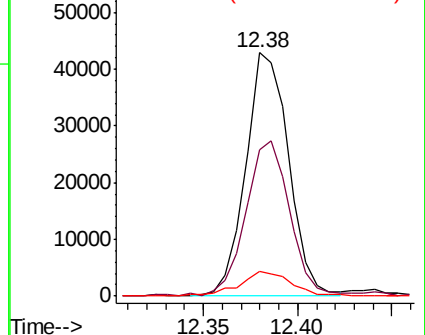
131 10.3 6.6 9.8#

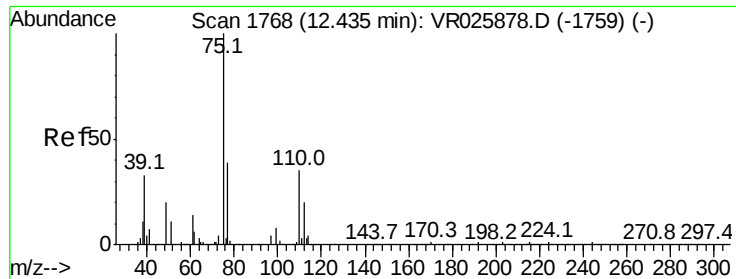


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.430 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

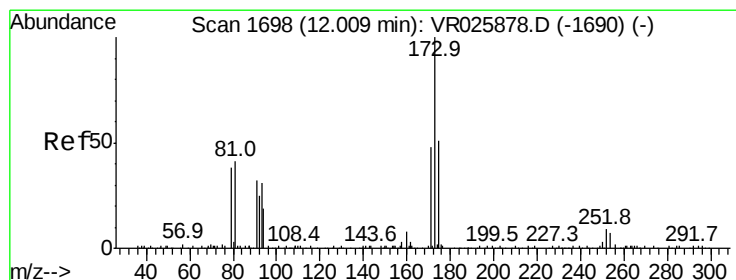
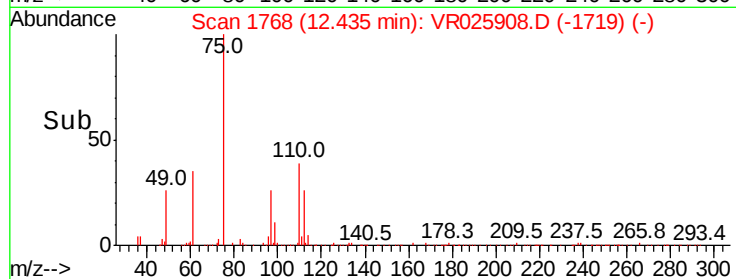
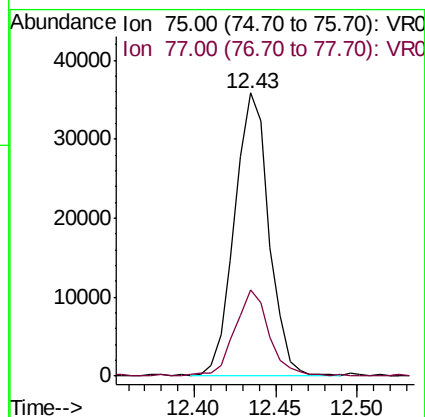
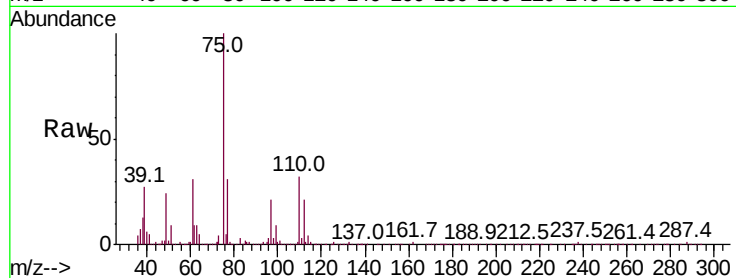
ClientSampled :

Tot Ion: 75 Resp: 52984

Ion Ratio Lower Upper

75 100

77 29.7 25.8 38.6



#61

Bromoform

Concen: 4.259 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

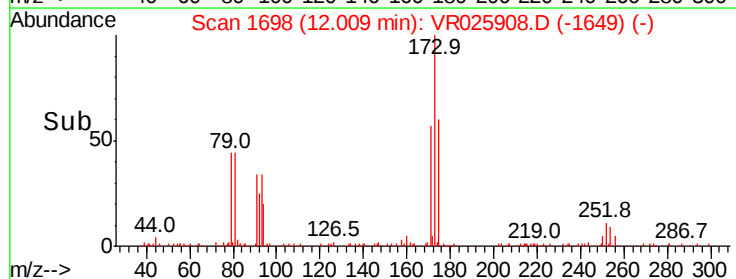
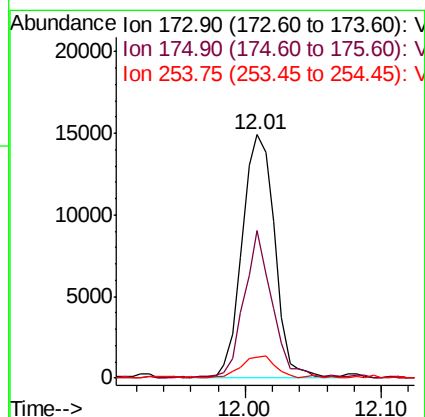
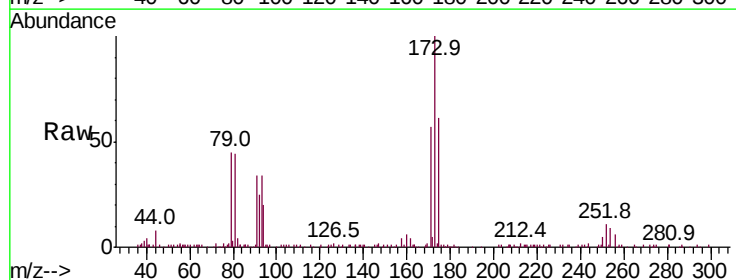
Tgt Ion: 173 Resp: 25062

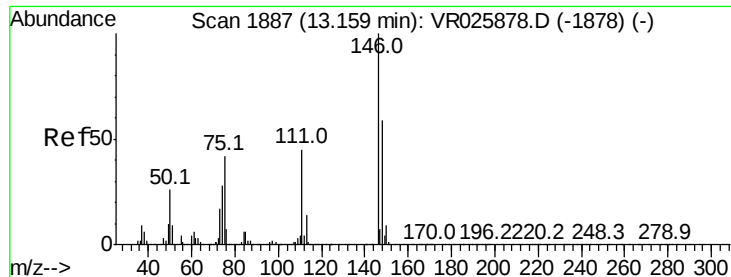
Ion Ratio Lower Upper

173 100

175 52.1 36.9 55.3

254 9.5 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.729 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

Instrument :

MSVOA_R

ClientSampled :

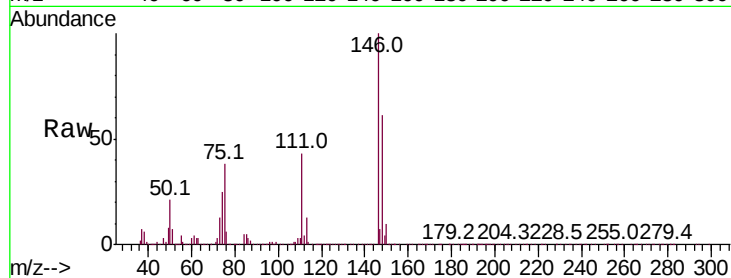
Tot Ion:146 Resp: 269019

Ion Ratio Lower Upper

146 100

111 42.9 36.6 68.0

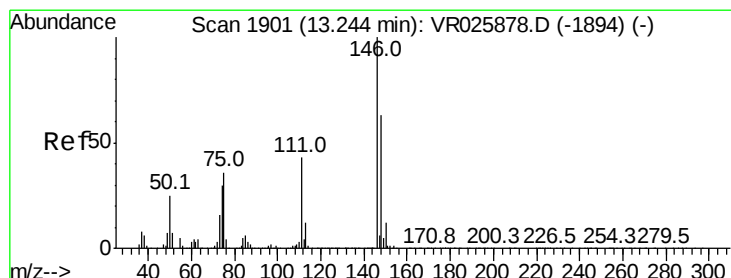
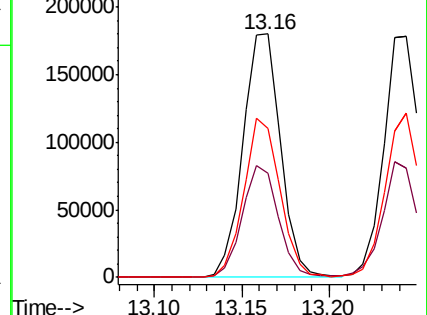
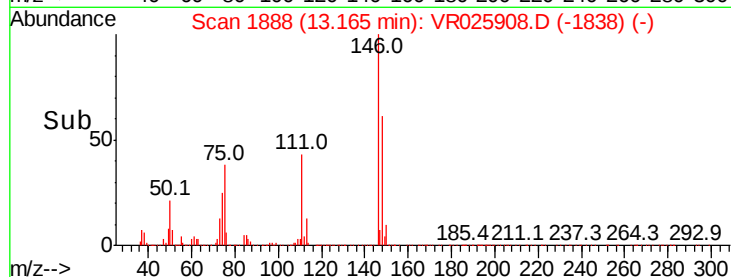
148 61.1 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.429 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025908.D

Acq: 1 Oct 2018 10:44

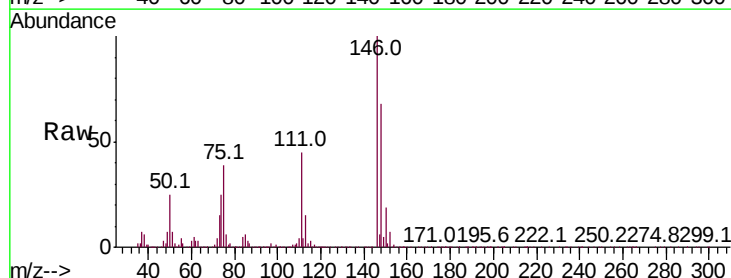
Tgt Ion:146 Resp: 257792

Ion Ratio Lower Upper

146 100

111 45.5 32.9 61.1

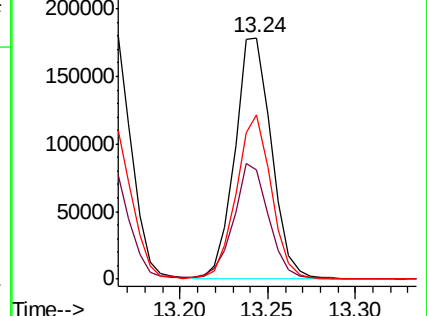
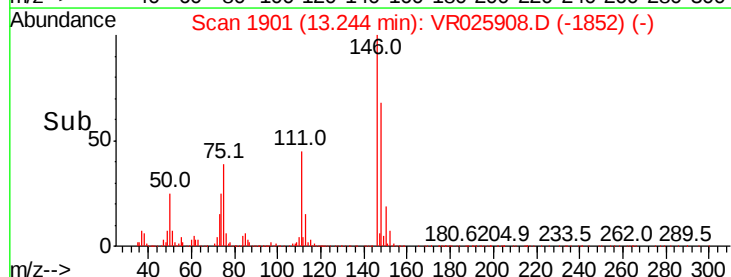
148 67.9 45.5 84.5

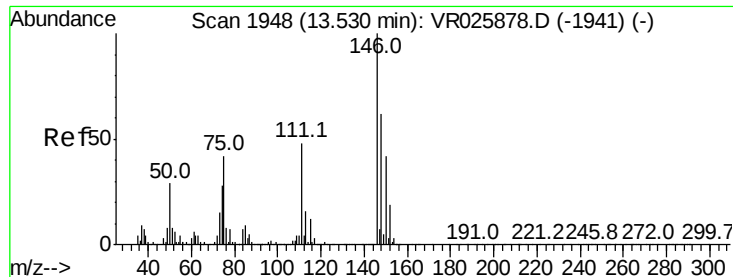


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

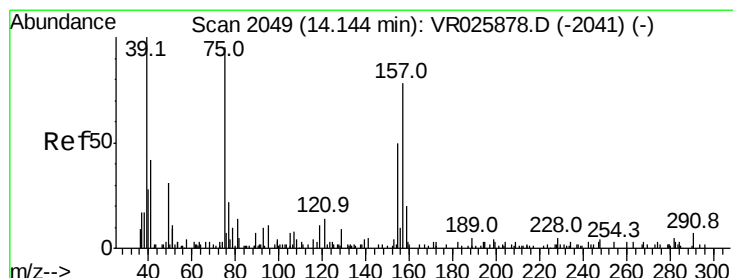
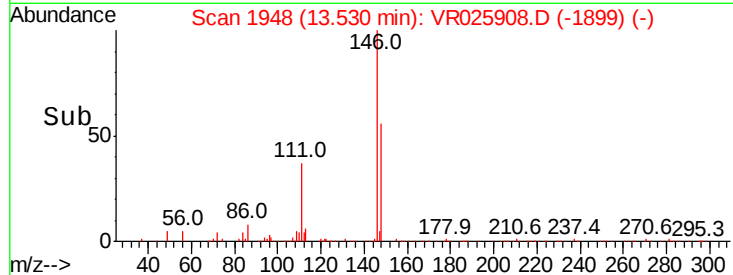
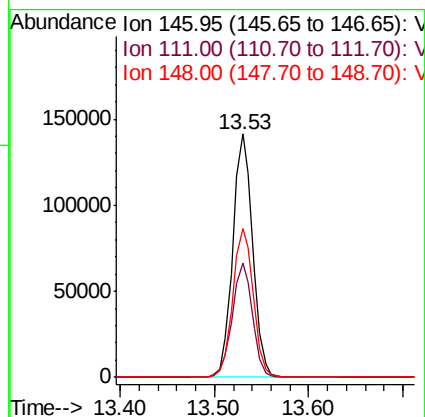
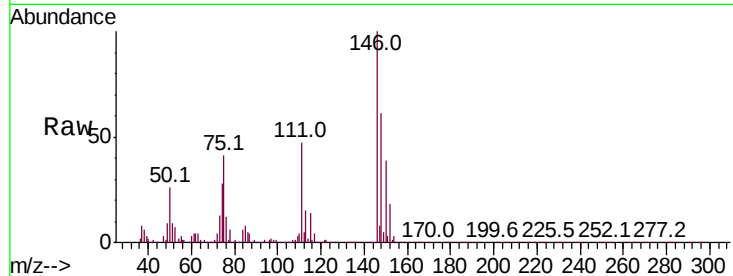




#65
 1,2-Dichlorobenzene
 Concen: 4.510 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

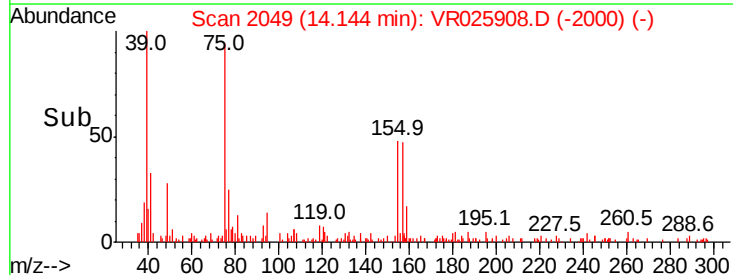
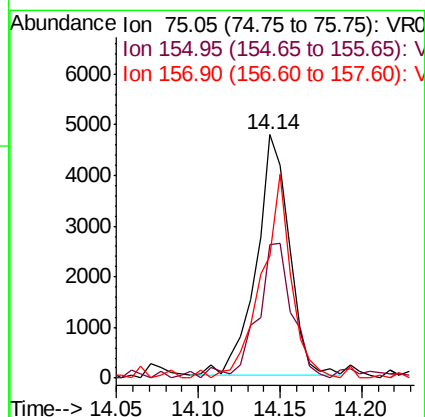
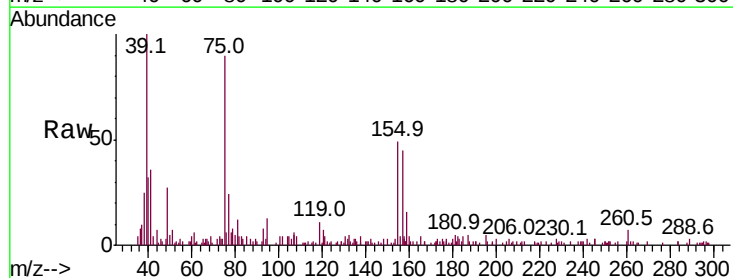
Instrument :
 MSVOA_R
 ClientSampleId :

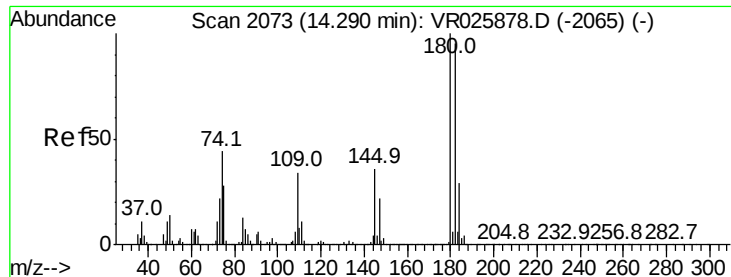
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	39.4	59.0
148	61.0	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.471 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	54.9	37.8	56.6
157	54.1	49.7	74.5

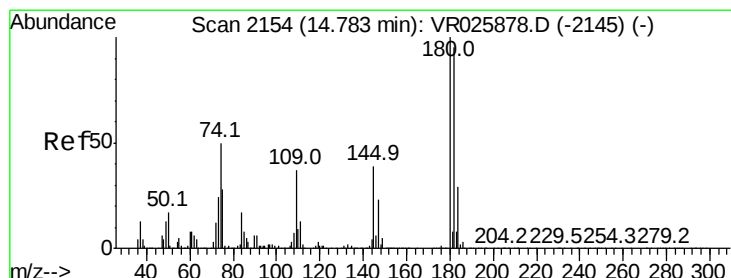
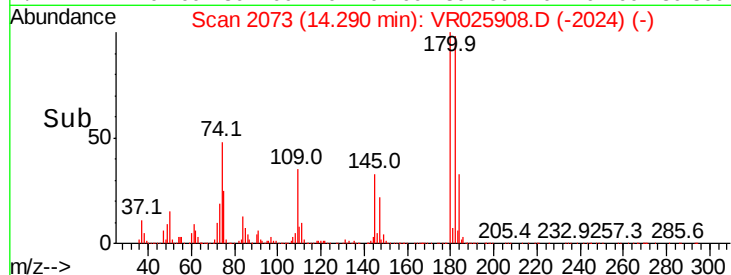
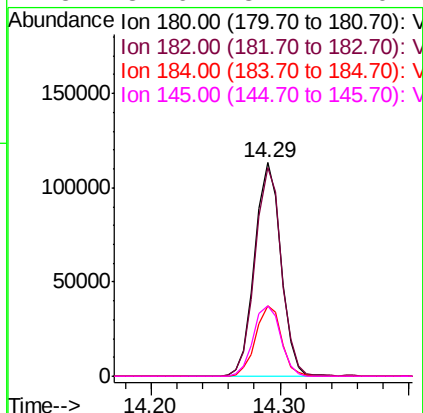
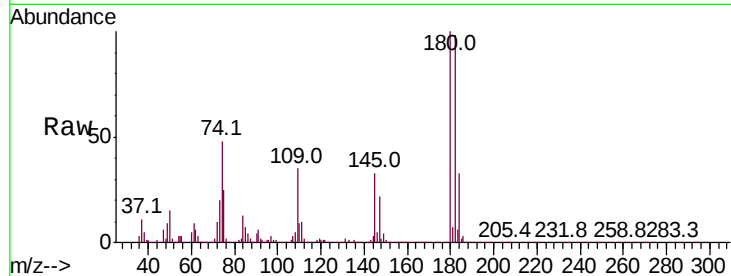




#67
 1,3,5-Trichlorobenzene
 Concen: 4.675 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

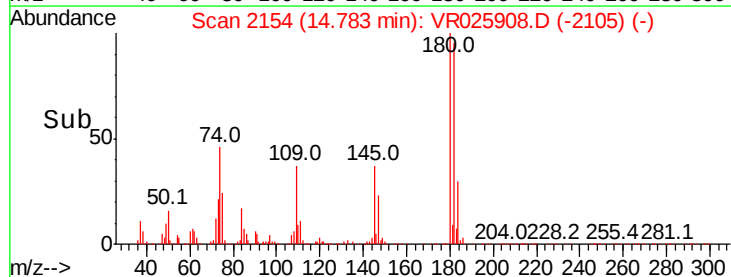
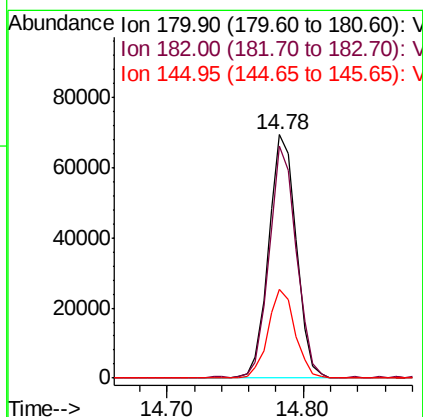
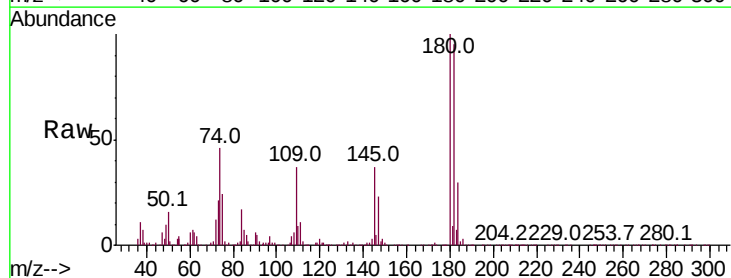
Instrument :
 MSVOA_R
 ClientSampleId :

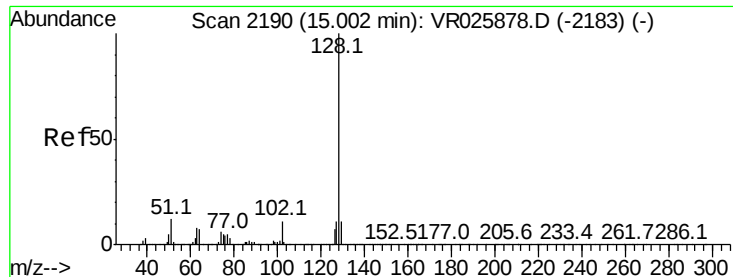
Tot Ion:	180	Resp:	158429
Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.2	115.8
184	32.2	24.5	36.7
145	34.6	31.1	46.7



#68
 1,2,4-trichlorobenzene
 Concen: 4.549 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025908.D
 Acq: 1 Oct 2018 10:44

Tgt Ion:	180	Resp:	98283
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.2	112.8
145	35.9	30.5	45.7

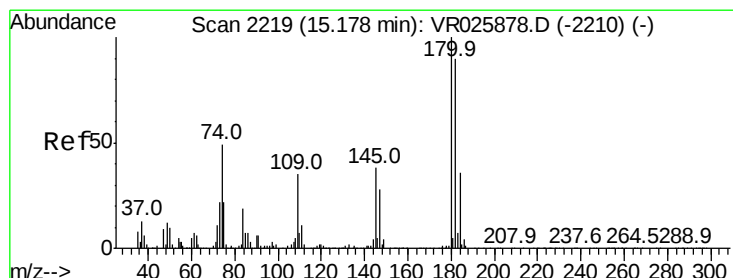
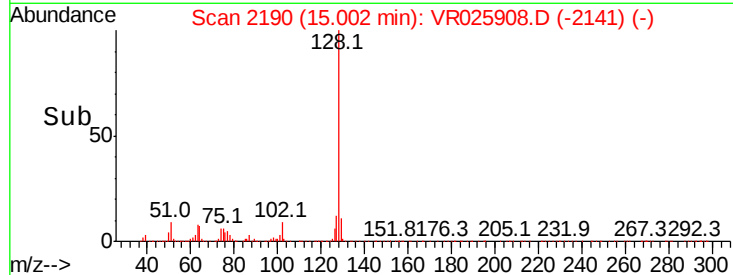
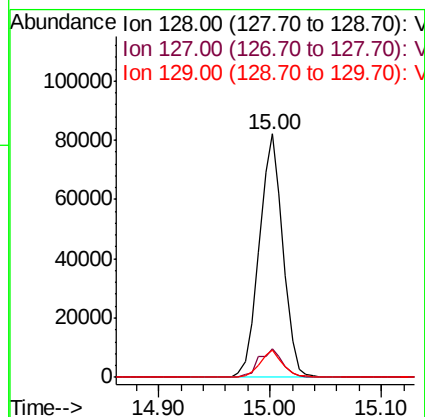
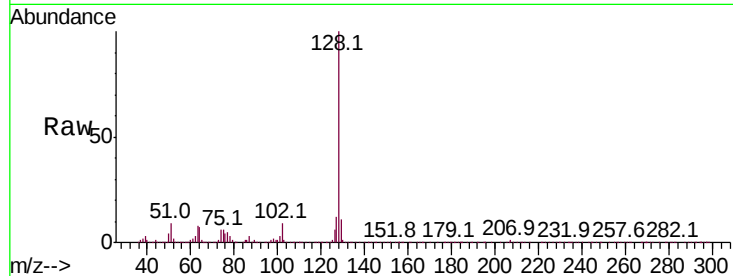




#69
Naphthalene
Concen: 4.379 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:128 Resp: 120736
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 10.8 9.4 14.2



#70
1,2,3-Trichlorobenzene
Concen: 4.699 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VR025908.D
Acq: 1 Oct 2018 10:44

Tgt Ion:180 Resp: 70433
Ion Ratio Lower Upper
180 100
182 89.1 74.7 112.1
145 35.7 31.3 46.9

