

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\
 Data File : VR026050.D
 Acq On : 11 Oct 2018 18:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 12 08:10:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 12 08:06:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	445283	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	405411	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	165369	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	199123	5.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.40%
7) Chloroethane-d5	2.63	69	180219	6.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.60%
11) 1,1-Dichloroethene-d2	3.63	63	457049	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	6.59	46	228465	58.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.72%
24) Chloroform-d	7.20	84	328392	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	7.90	65	156440	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.00%
32) Benzene-d6	7.86	84	640090	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	8.90	67	180210	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	9.97	98	619391	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	44847	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	10.59	63	207868	66.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.08%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	88887	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.40%#
64) 1,2-Dichlorobenzene-d4	13.52	152	138917	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	107957	3.989	ug/L	94
3) Chloromethane	2.02	50	204326	5.309	ug/L	98
5) Vinyl chloride	2.17	62	195550	5.105	ug/L	95
6) Bromomethane	2.52	94	133400	5.578	ug/L	97
8) Chloroethane	2.66	64	123196	5.653	ug/L	99
9) Trichlorofluoromethane	2.94	101	87746	1.650	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	173214	5.328	ug/L	94
12) 1,1-Dichloroethene	3.66	96	178829	5.320	ug/L	84
13) Acetone	3.71	43	147348	51.933	ug/L	96
14) Carbon disulfide	3.96	76	335156	4.119	ug/L #	95
15) Methyl Acetate	4.19	43	48989	6.227	ug/L	94
16) Methylene chloride	4.41	84	169436	5.482	ug/L	93
17) Methyl tert-butyl Ether	4.90	73	198285	5.327	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	131603	4.734	ug/L	95
19) 1,1-Dichloroethane	5.69	63	267741	4.864	ug/L	97
21) 2-Butanone	6.70	43	205882	52.756	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	138461	4.950	ug/L #	93

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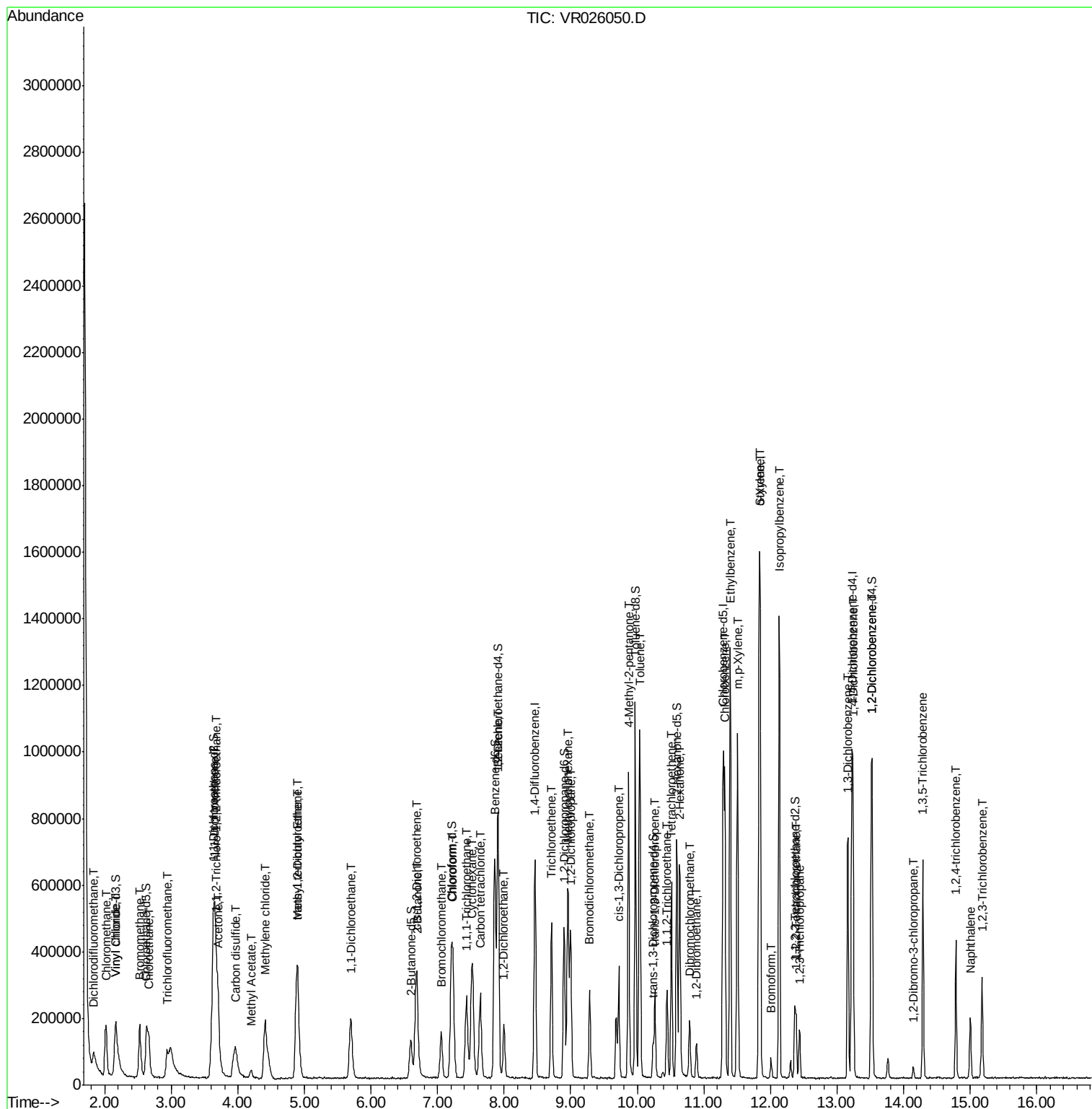
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	41125	5.419	ug/L	89
25) Chloroform	7.23	83	270514	5.047	ug/L	99
27) 1,2-Dichloroethane	7.99	62	141235	5.281	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	214719	4.710	ug/L	99
30) Cyclohexane	7.53	56	207013	3.634	ug/L	98
31) Carbon tetrachloride	7.64	117	186858	4.733	ug/L	99
33) Benzene	7.91	78	617040	4.538	ug/L	100
34) Trichloroethene	8.71	95	149416	4.170	ug/L	97
35) Methylcyclohexane	8.96	83	207250	3.847	ug/L	97
37) 1,2-Dichloropropane	9.00	63	142854	4.897	ug/L	98
38) Bromodichloromethane	9.28	83	155126	4.929	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	167798	5.130	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	568325	55.406	ug/L	98
42) Toluene	10.04	91	662638	4.690	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	117062	5.482	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	67589	5.122	ug/L	93
47) Tetrachloroethene	10.51	164	99881	4.524	ug/L	90
48) 2-Hexanone	10.63	43	388788	57.891	ug/L	98
49) Dibromochloromethane	10.79	129	71031	5.305	ug/L	95
50) 1,2-Dibromoethane	10.89	107	55525	5.333	ug/L #	99
51) Chlorobenzene	11.32	112	374085	4.991	ug/L	96
52) Ethylbenzene	11.39	91	775109	4.806	ug/L	99
53) m,p-Xylene	11.50	106	282918	4.928	ug/L	91
54) o-Xylene	11.83	106	266044	4.978	ug/L	96
55) Styrene	11.84	104	442041	5.314	ug/L	93
56) Isopropylbenzene	12.13	105	734112	4.980	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	73235	5.760	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	53407	5.644	ug/L	100
61) Bromoform	12.01	173	22508	4.502	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	231417	4.788	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	237005	4.794	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	198387	5.109	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7673	4.699	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	144938	5.034	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	90289	4.920	ug/L	98
69) Naphthalene	15.00	128	115261	4.921	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	66921	5.256	ug/L	94

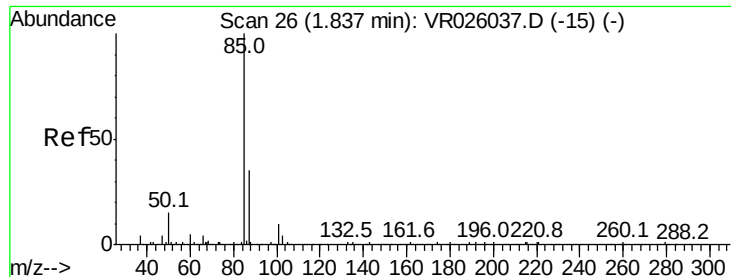
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.989 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

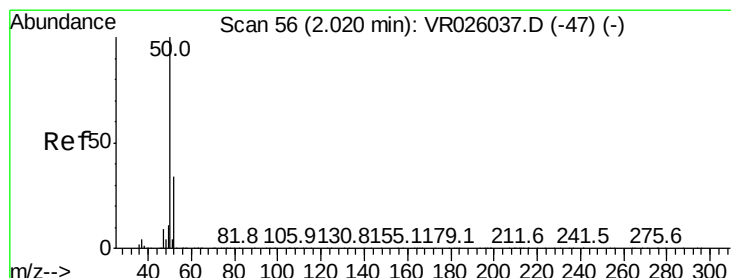
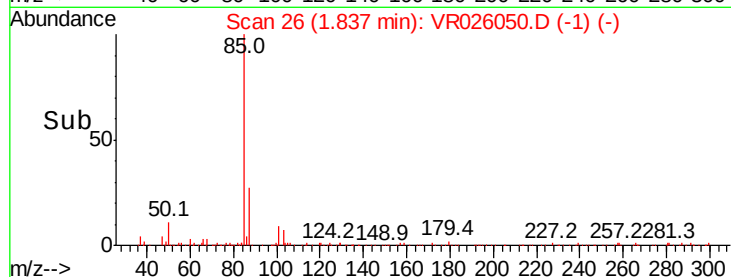
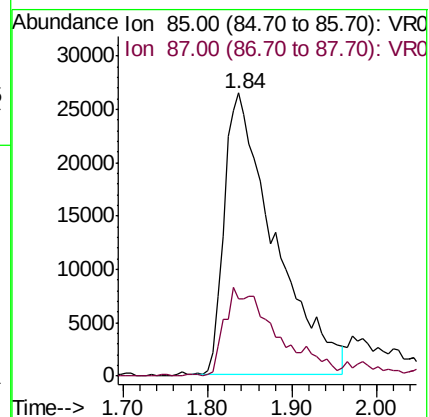
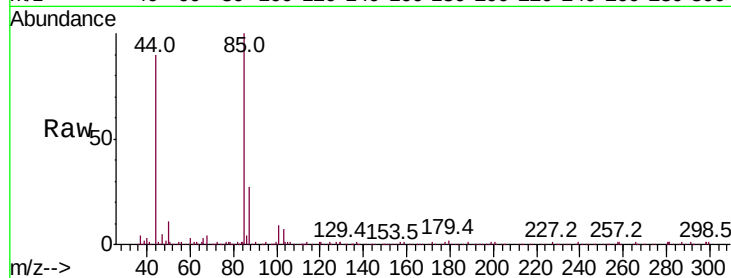
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 85 Resp: 107957

Ion Ratio Lower Upper

85 100

87 28.2 25.1 37.7



#3

Chloromethane

Concen: 5.309 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.00 min

Lab File: VR026050.D

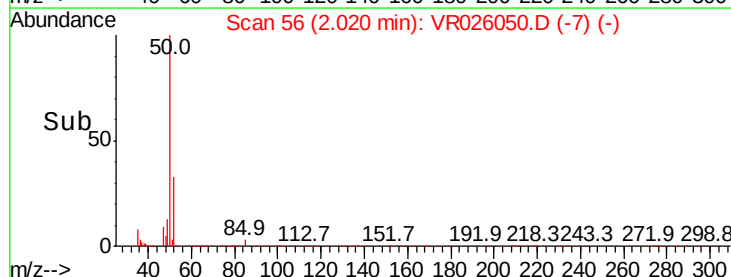
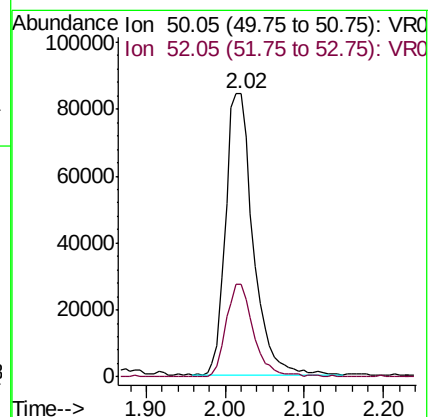
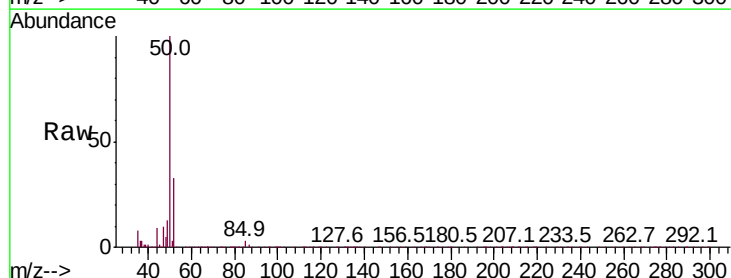
Acq: 11 Oct 2018 18:34

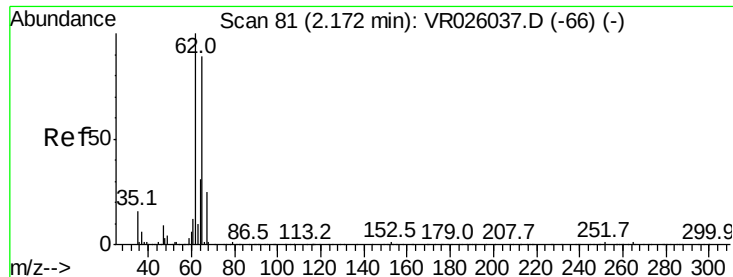
Tgt Ion: 50 Resp: 204326

Ion Ratio Lower Upper

50 100

52 32.9 22.1 41.1





#5

Vinyl chloride

Concen: 5.105 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

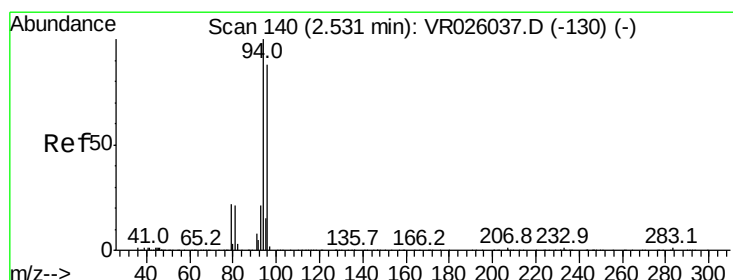
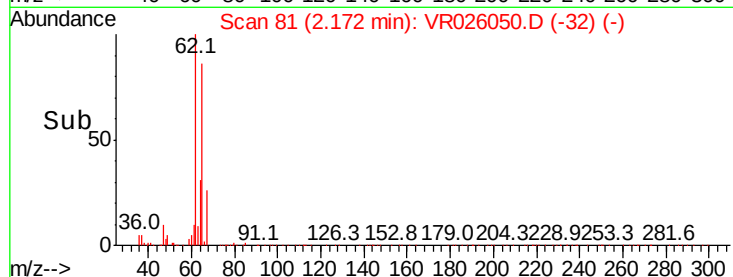
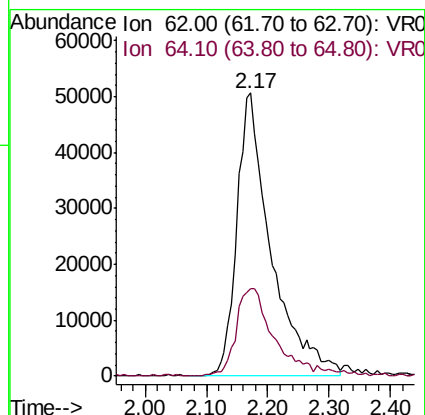
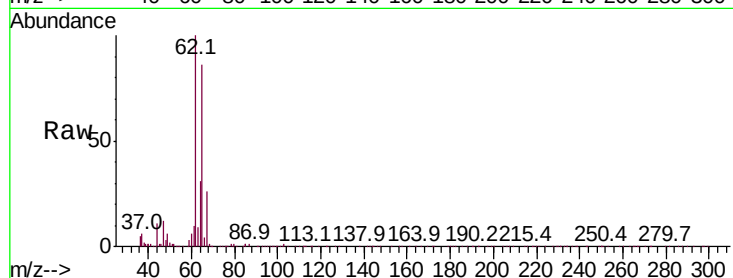
ClientSampleId :

Tot Ion: 62 Resp: 195550

Ion Ratio Lower Upper

62 100

64 30.8 23.5 43.7



#6

Bromomethane

Concen: 5.578 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026050.D

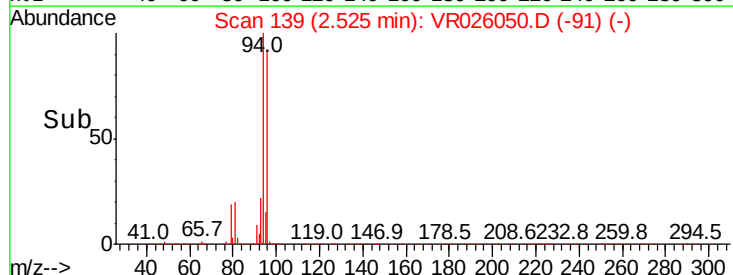
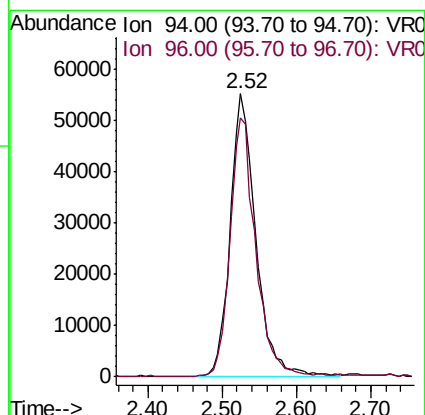
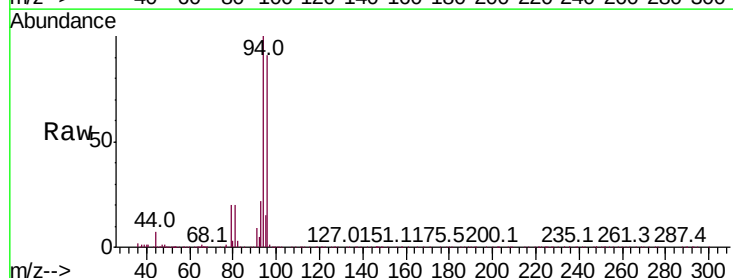
Acq: 11 Oct 2018 18:34

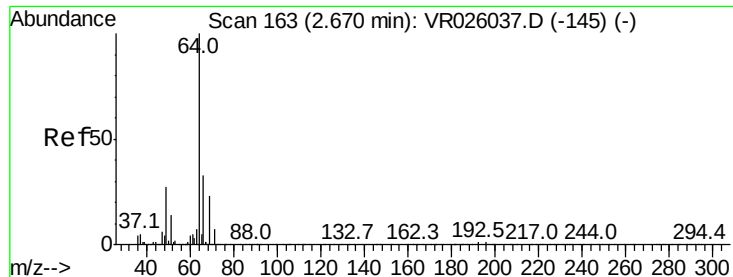
Tgt Ion: 94 Resp: 133400

Ion Ratio Lower Upper

94 100

96 91.3 66.1 122.8





#8

Chloroethane

Concen: 5.653 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

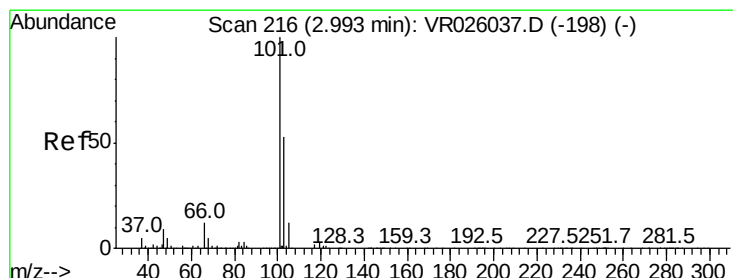
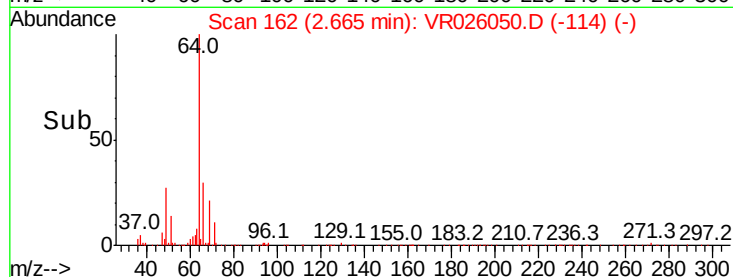
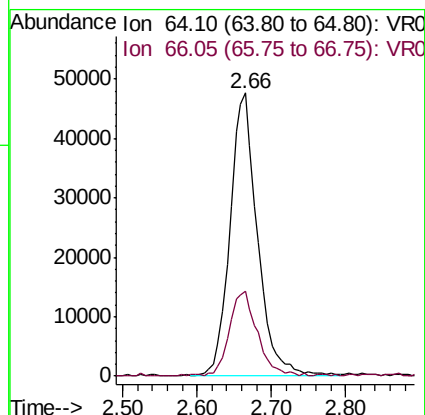
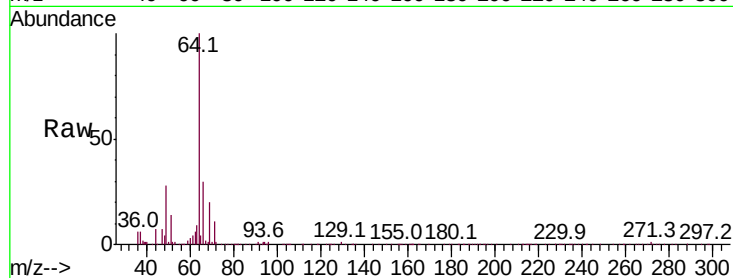
ClientSampled :

Tot Ion: 64 Resp: 123196

Ion Ratio Lower Upper

64 100

66 30.0 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.650 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.05 min

Lab File: VR026050.D

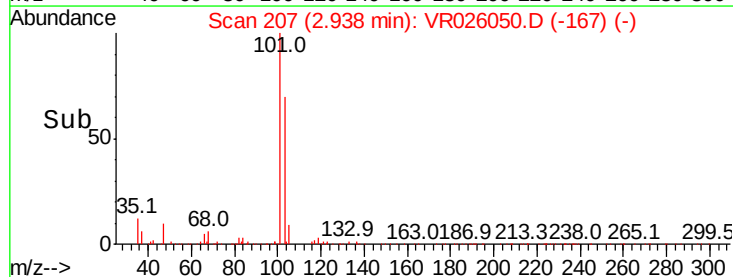
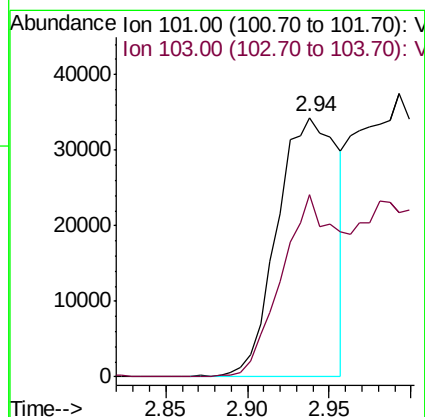
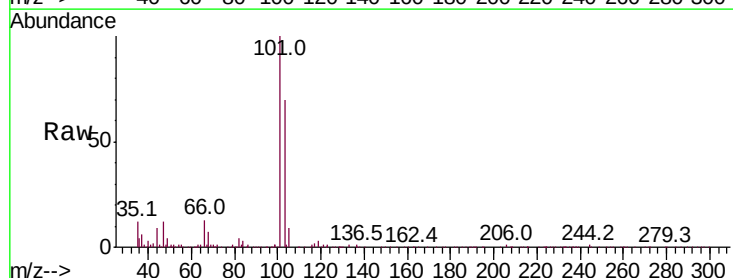
Acq: 11 Oct 2018 18:34

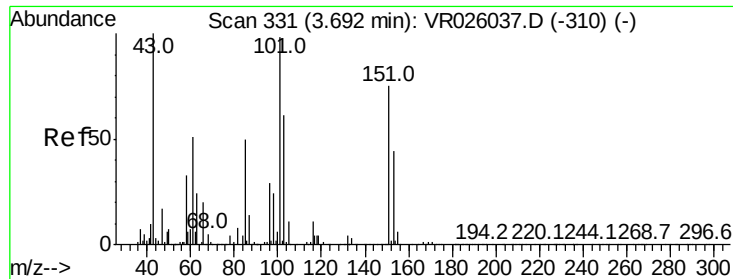
Tgt Ion: 101 Resp: 87746

Ion Ratio Lower Upper

101 100

103 70.9 22.1 33.1#





#10

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

Concen: 5.328 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampled :

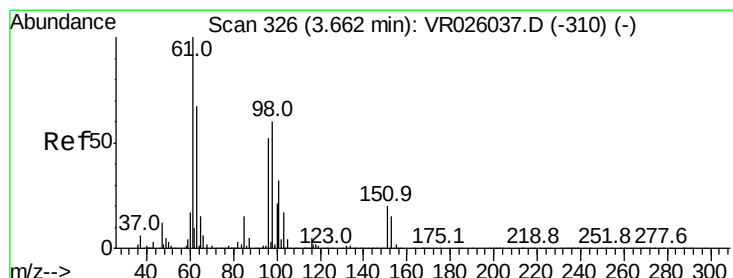
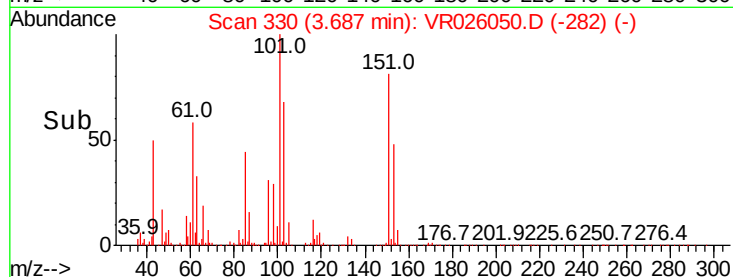
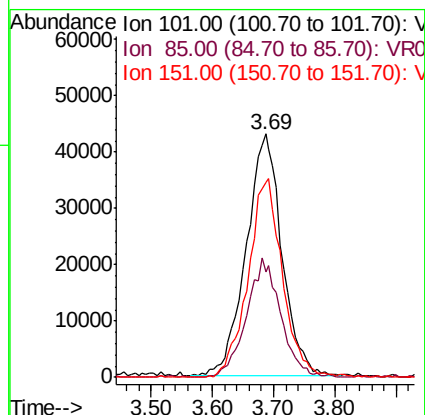
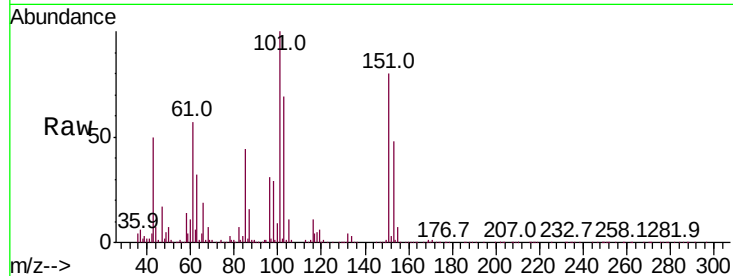
Tot Ion:101 Resp: 173214

Ion Ratio Lower Upper

101 100

85 47.4 38.2 57.4

151 80.4 58.4 87.6



#12

1,1-Dichloroethene

Concen: 5.320 ug/L

RT: 3.66 min Scan# 325

Delta R.T. -0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

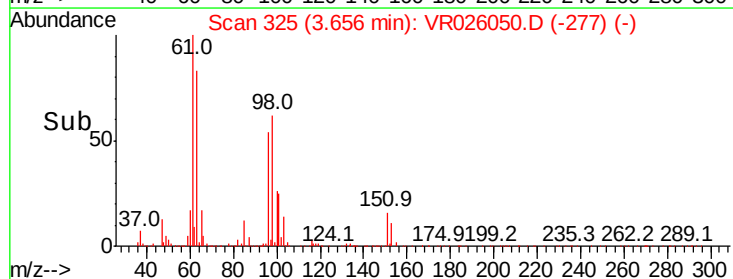
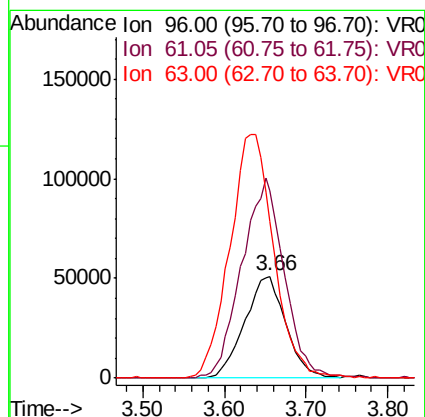
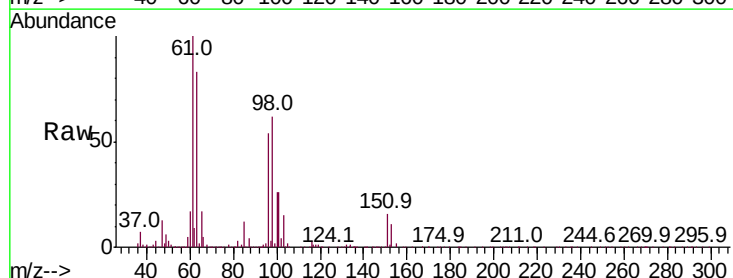
Tgt Ion: 96 Resp: 178829

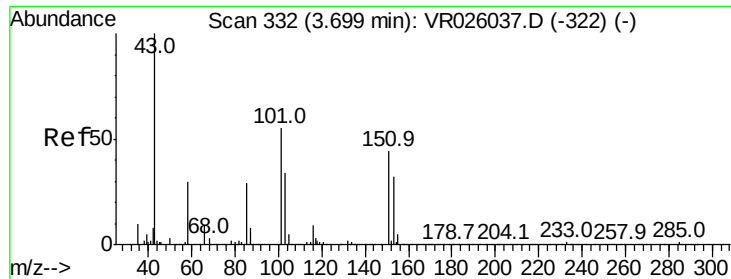
Ion Ratio Lower Upper

96 100

61 184.1 145.0 269.4

63 153.1 123.8 230.0

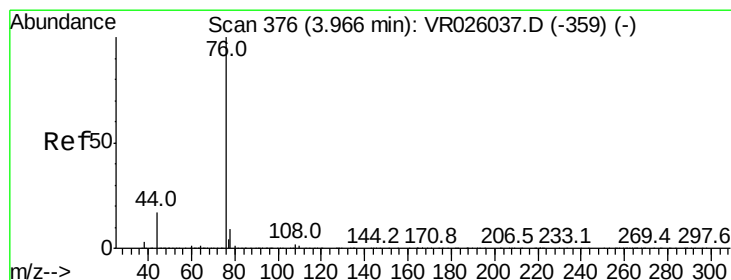
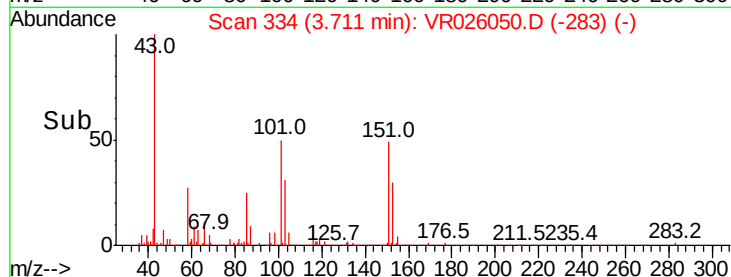
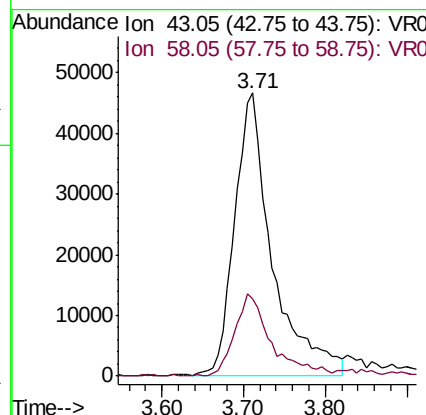
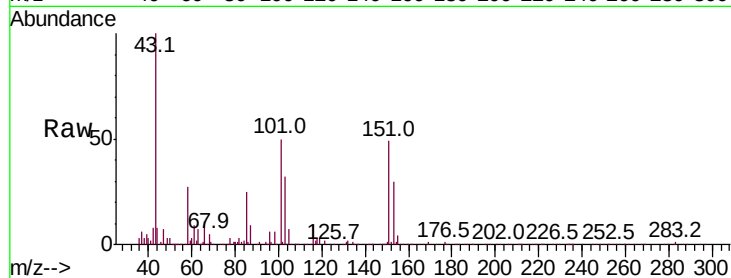




#13
Acetone
Concen: 51.933 ug/L
RT: 3.71 min Scan# 334
Delta R.T. 0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

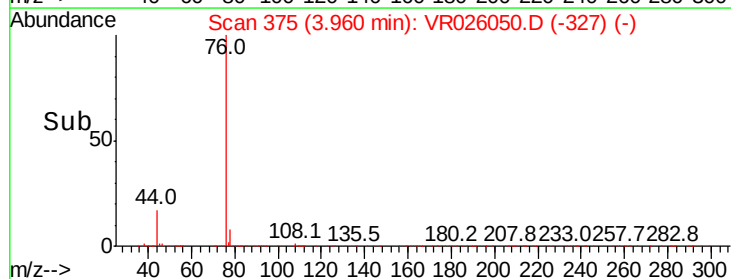
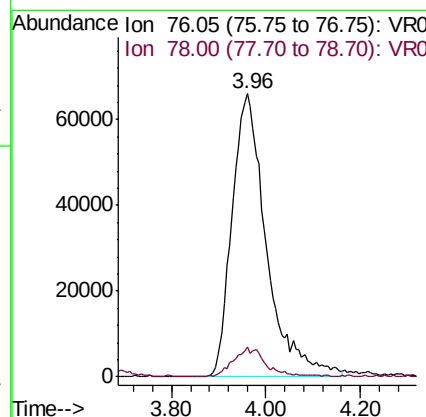
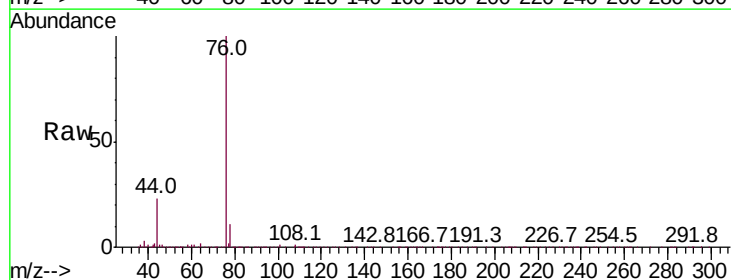
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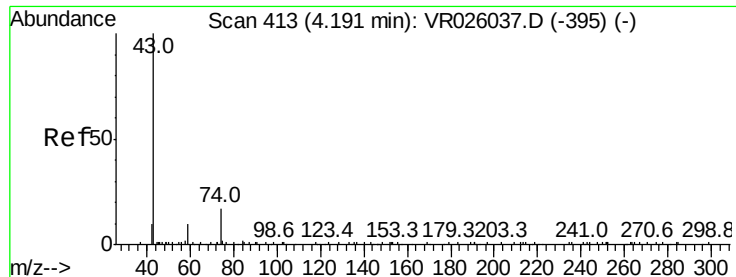
Tot Ion: 43 Resp: 147348
Ion Ratio Lower Upper
43 100
58 27.7 0.0 51.4



#14
Carbon disulfide
Concen: 4.119 ug/L
RT: 3.96 min Scan# 375
Delta R.T. -0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 76 Resp: 335156
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#





#15

Methyl Acetate

Concen: 6.227 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

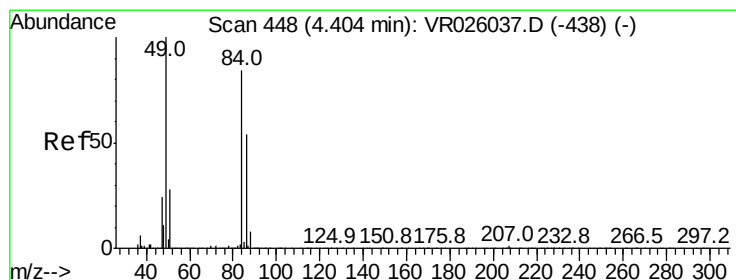
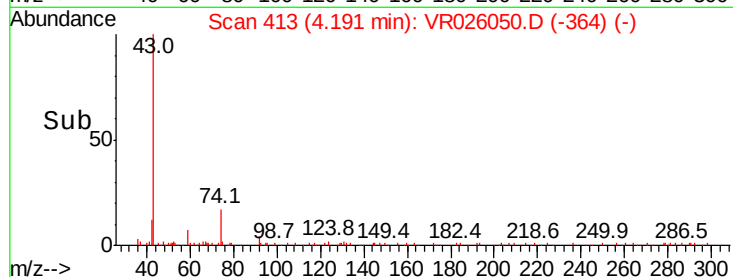
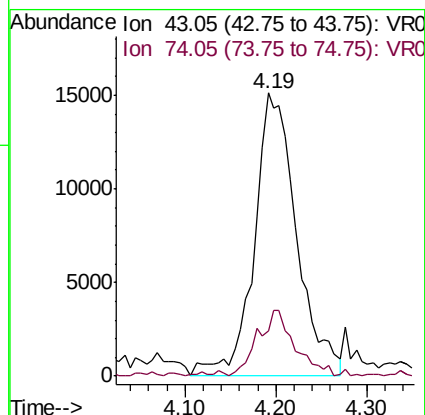
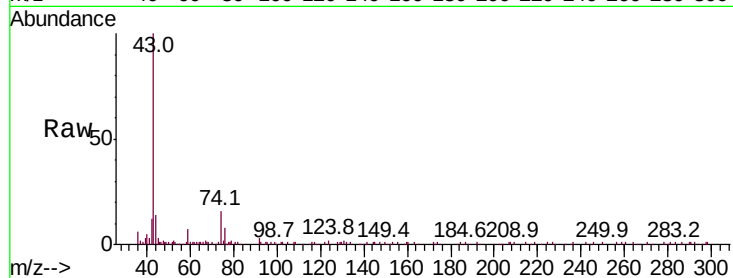
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 48989

Ion Ratio Lower Upper

43 100

74 20.6 19.0 28.4



#16

Methylene chloride

Concen: 5.482 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

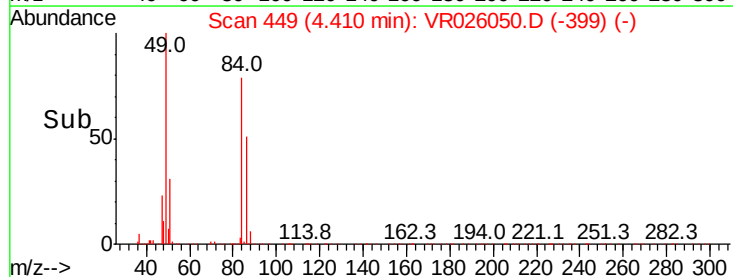
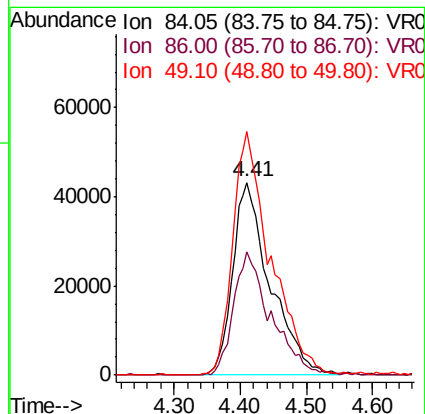
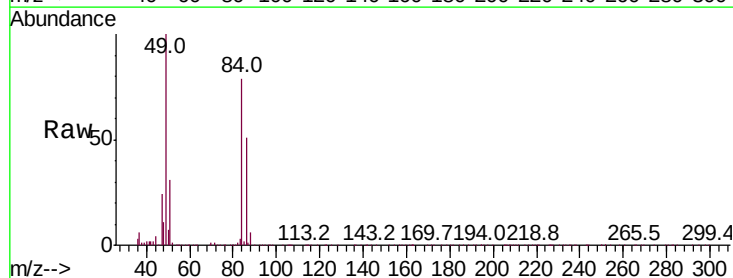
Tgt Ion: 84 Resp: 169436

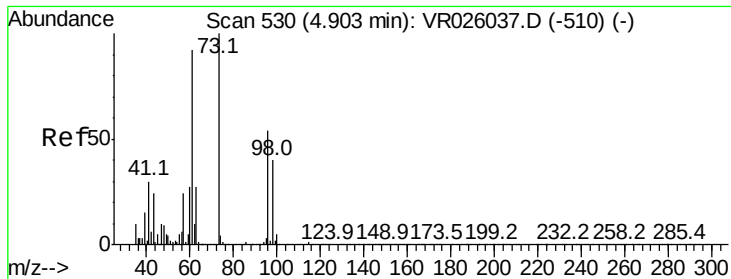
Ion Ratio Lower Upper

84 100

86 63.9 43.1 80.1

49 126.3 95.5 177.3

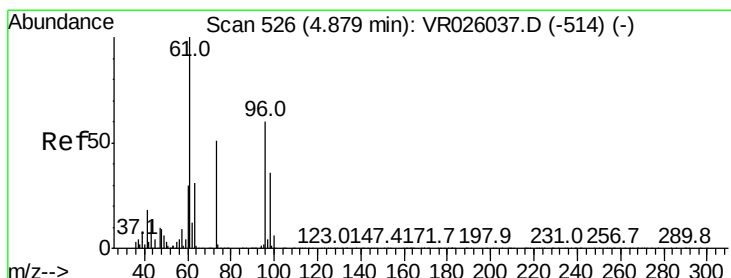
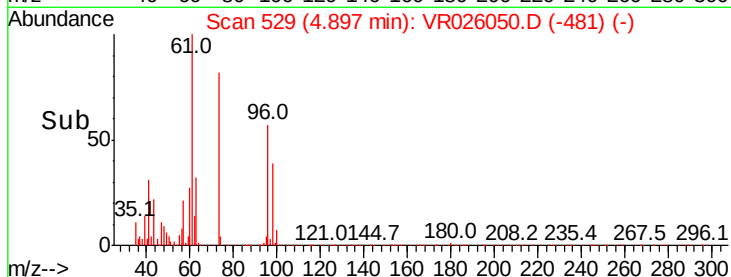
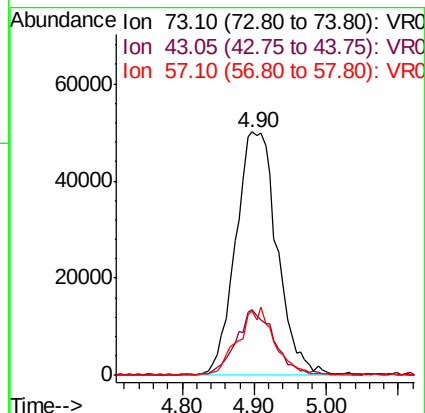
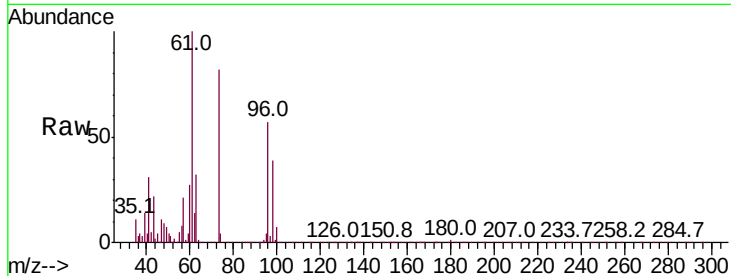




#17
Methyl tert-butyl Ether
Concen: 5.327 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

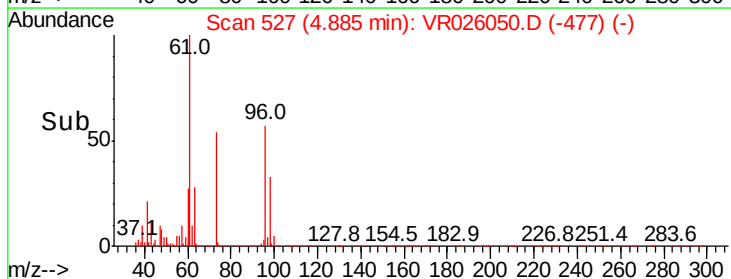
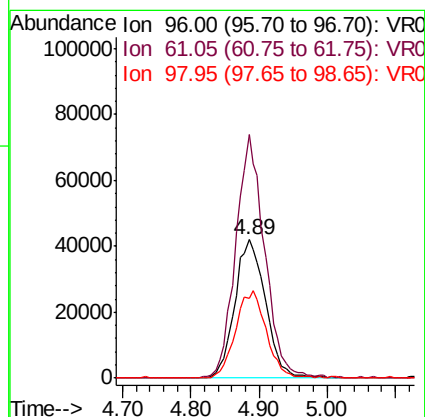
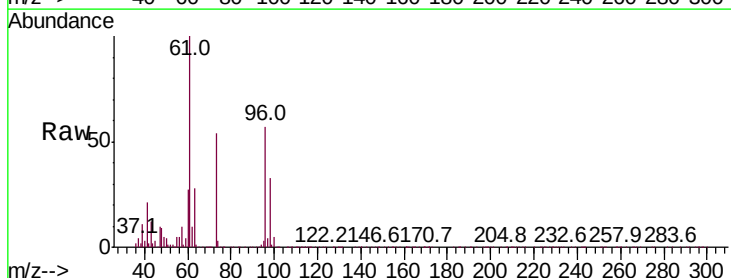
Instrument :
MSVOA_R
ClientSampleId :

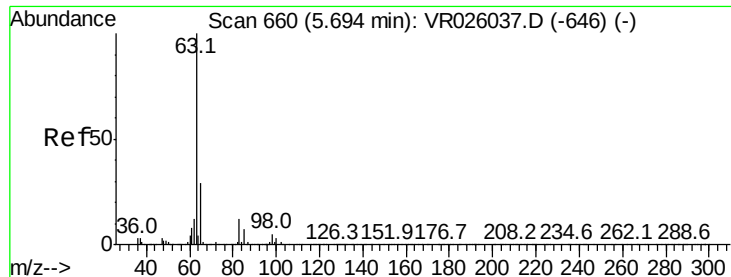
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.3	19.8	29.8
57	24.2	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.734 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	127.4	236.6
98	57.7	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.864 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampleId :

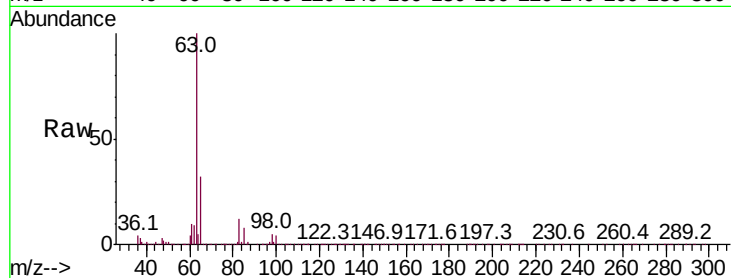
Tot Ion: 63 Resp: 267741

Ion Ratio Lower Upper

63 100

65 32.0 21.1 39.1

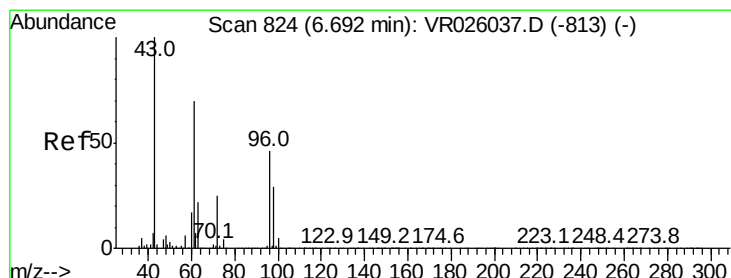
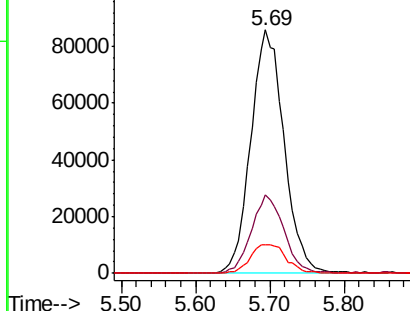
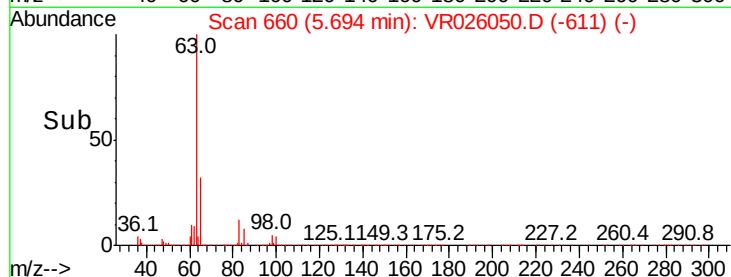
83 12.0 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 52.756 ug/L

RT: 6.70 min Scan# 825

Delta R.T. 0.01 min

Lab File: VR026050.D

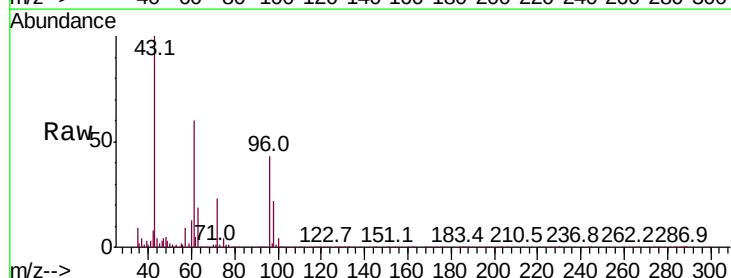
Acq: 11 Oct 2018 18:34

Tgt Ion: 43 Resp: 205882

Ion Ratio Lower Upper

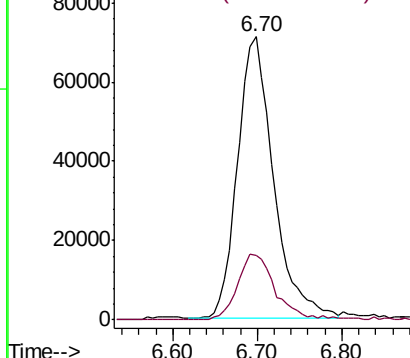
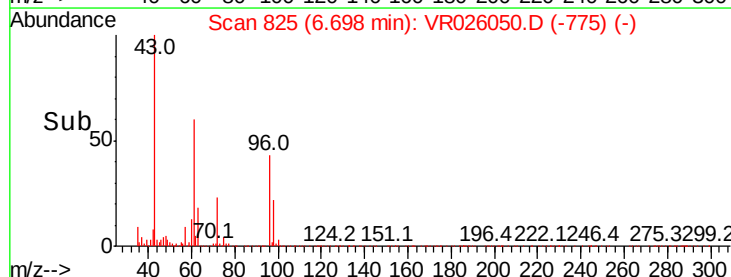
43 100

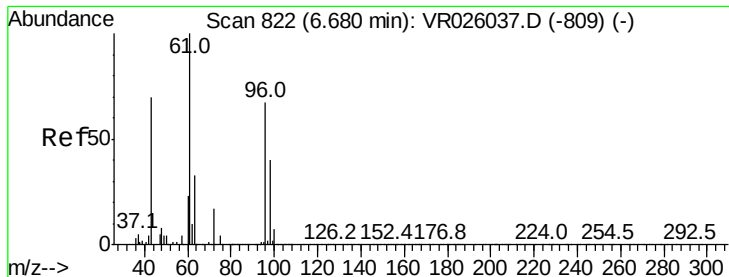
72 24.0 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



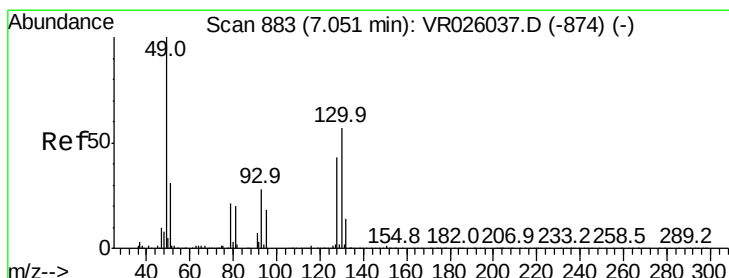
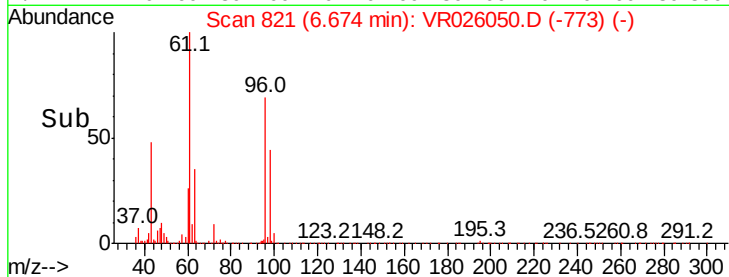
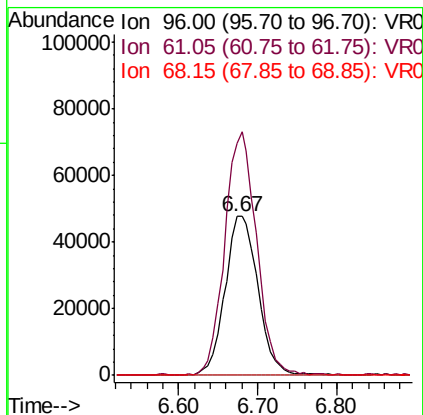
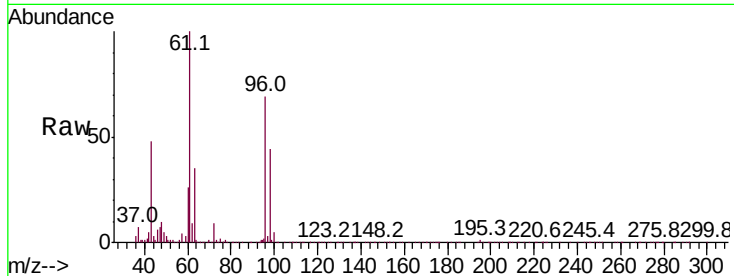


#22

cis-1,2-Dichloroethene
Concen: 4.950 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Instrument :
MSVOA_R
ClientSampled :

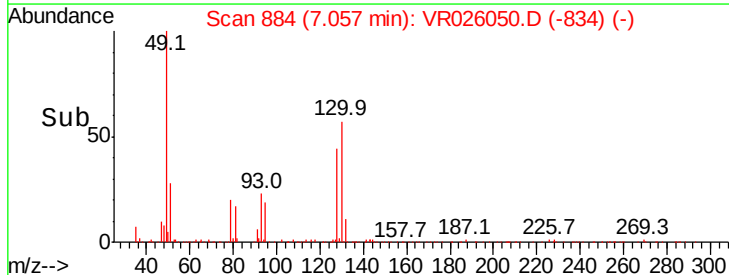
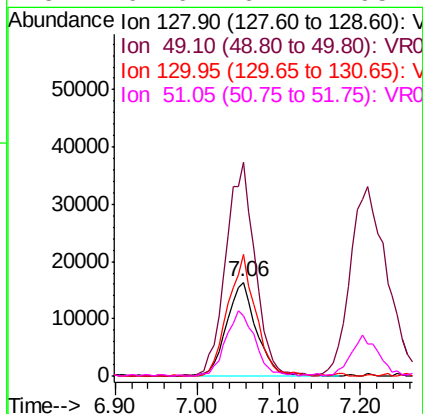
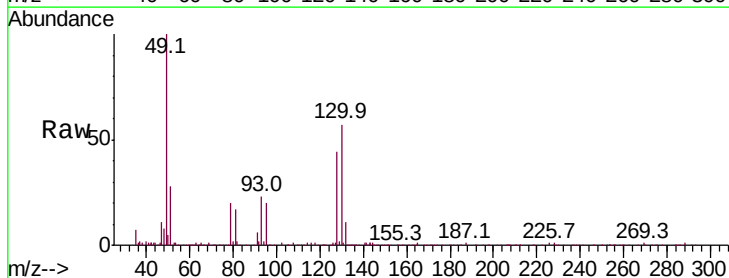
Tot Ion: 96 Resp: 138461
Ion Ratio Lower Upper
96 100
61 145.8 108.7 201.9
68 0.0 0.1 0.1#

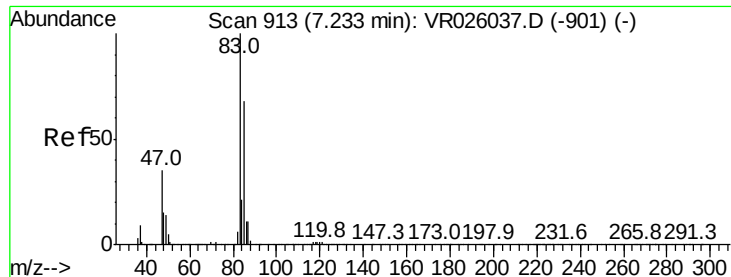


#23

Bromochloromethane
Concen: 5.419 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 128 Resp: 41125
Ion Ratio Lower Upper
128 100
49 227.9 175.0 325.0
130 129.5 85.6 159.0
51 64.6 62.2 93.2

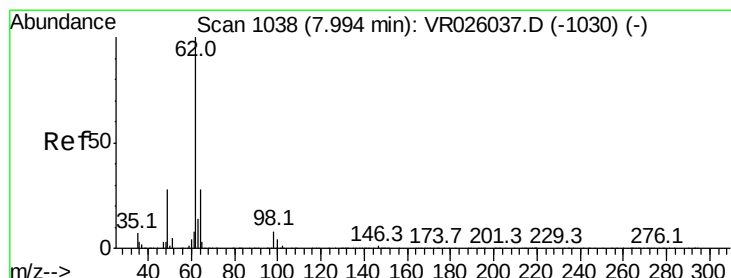
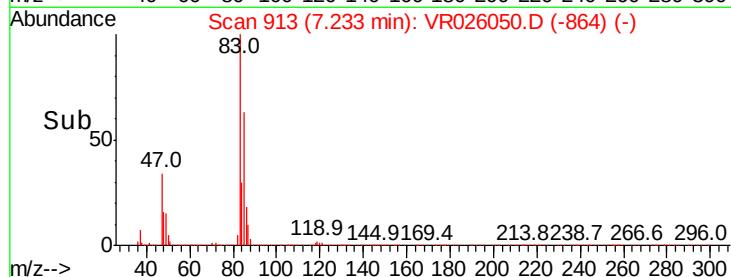
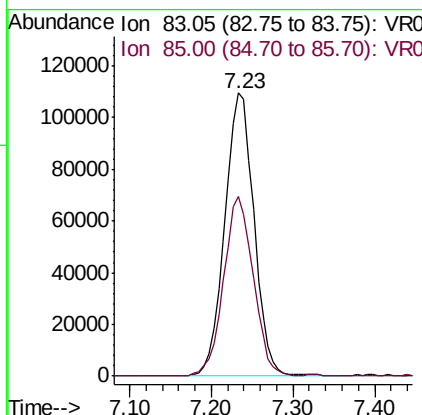
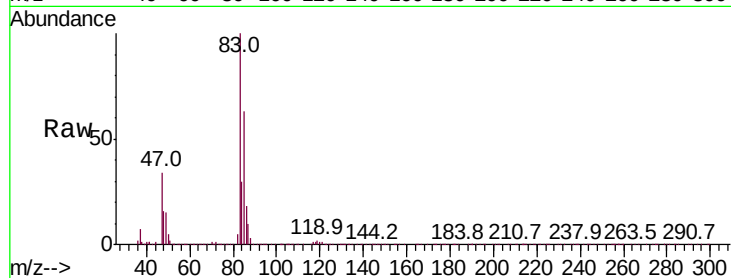




#25
Chloroform
Concen: 5.047 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

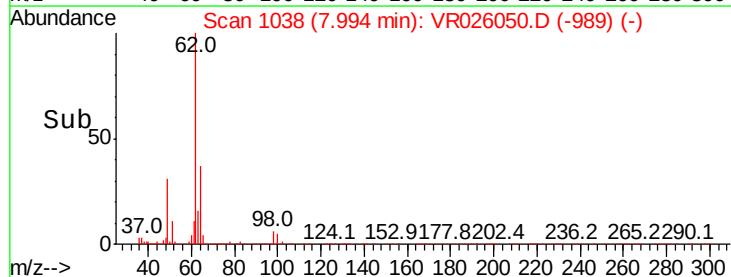
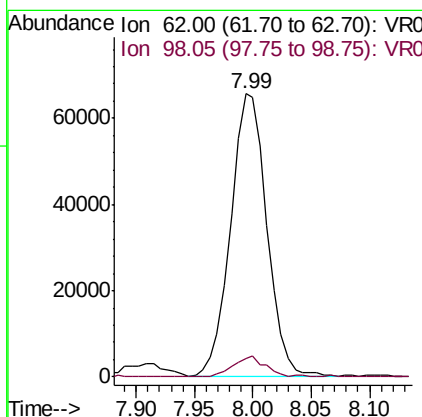
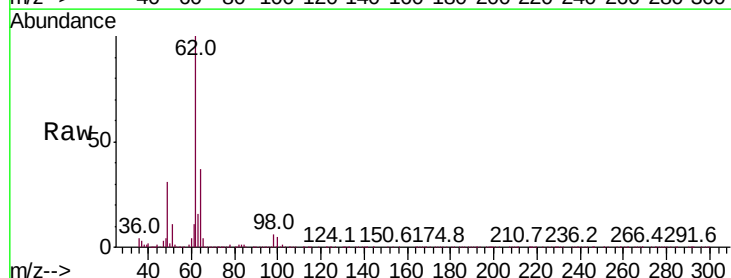
Instrument :
MSVOA_R
ClientSampleId :

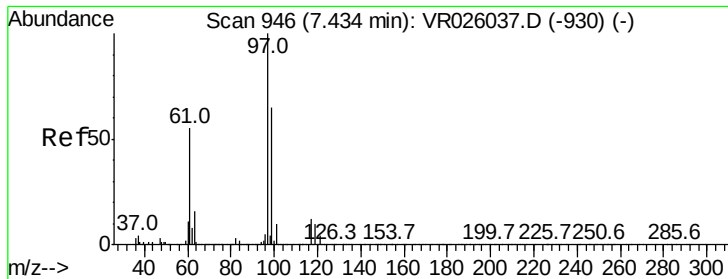
Tot Ion: 83 Resp: 270514
Ion Ratio Lower Upper
83 100
85 63.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.281 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 62 Resp: 141235
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8

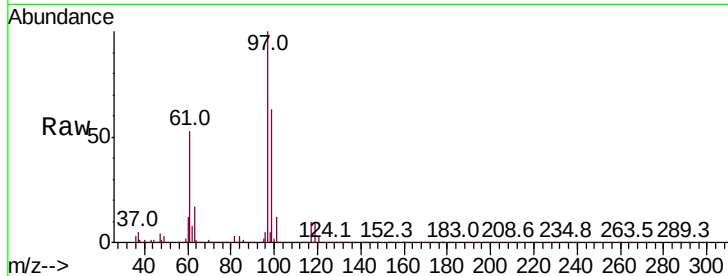




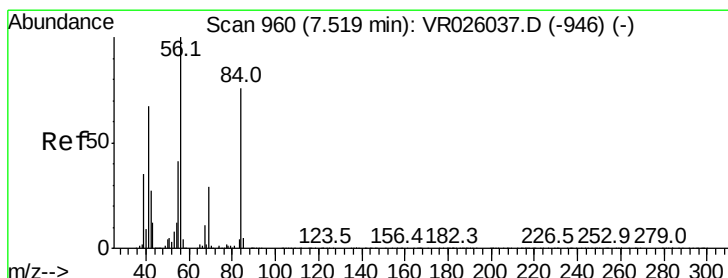
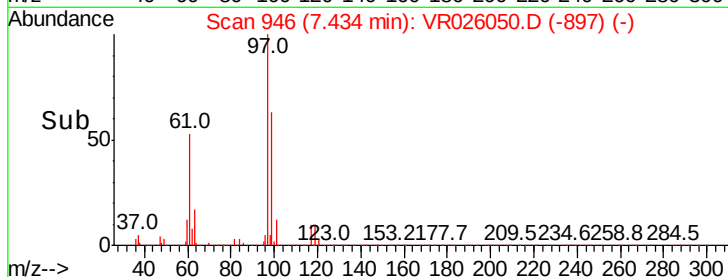
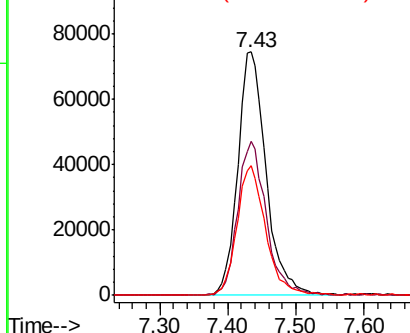
#29
1,1,1-Trichloroethane
Concen: 4.710 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Instrument :
MSVOA_R
ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	54.1	41.6	62.4

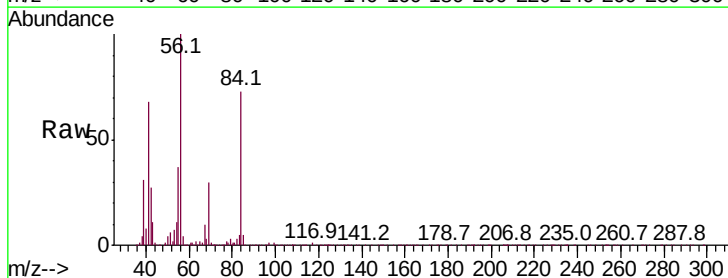


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

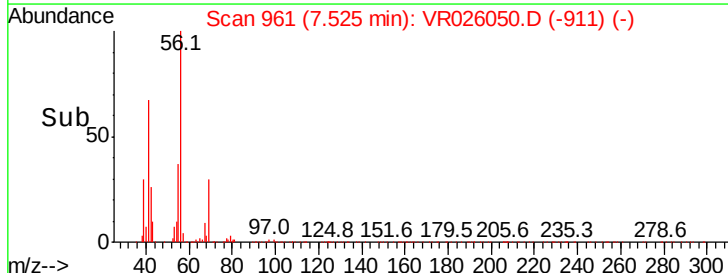
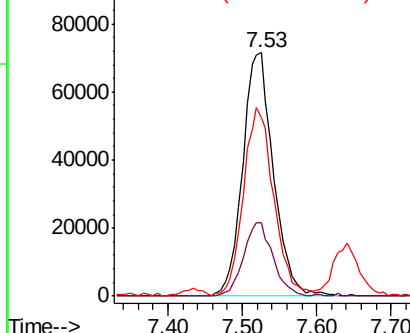


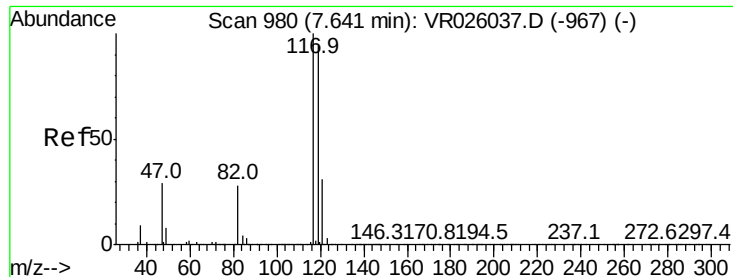
#30
Cyclohexane
Concen: 3.634 ug/L
RT: 7.53 min Scan# 961
Delta R.T. 0.01 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.8	37.2
84	76.2	59.8	89.8



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





#31

Carbon tetrachloride

Concen: 4.733 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

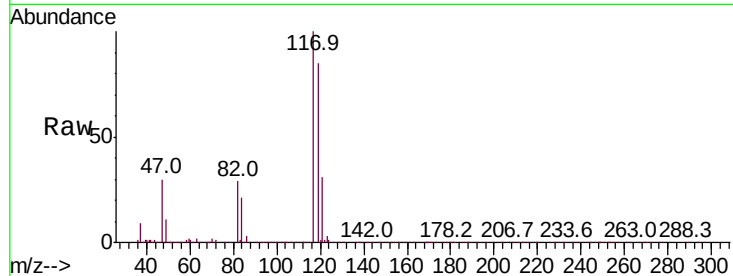
ClientSampleId :

Tot Ion:117 Resp: 186858

Ion Ratio Lower Upper

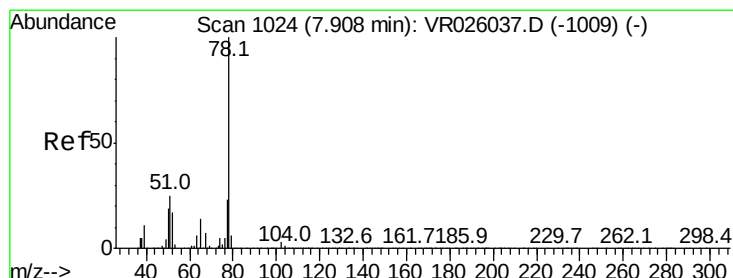
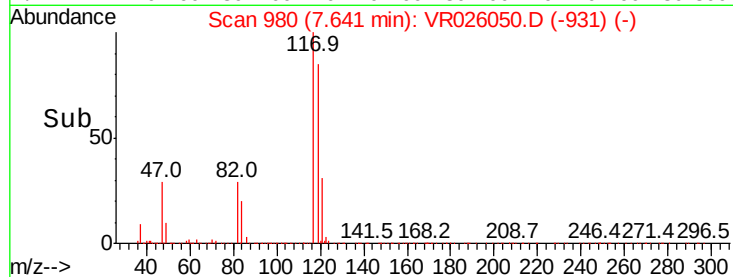
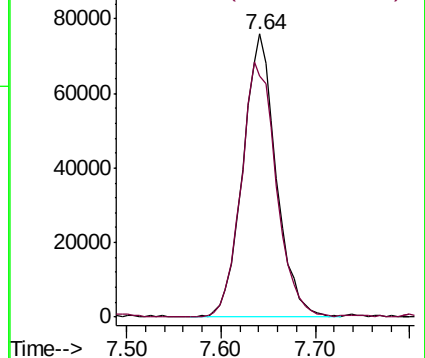
117 100

119 95.1 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.538 ug/L

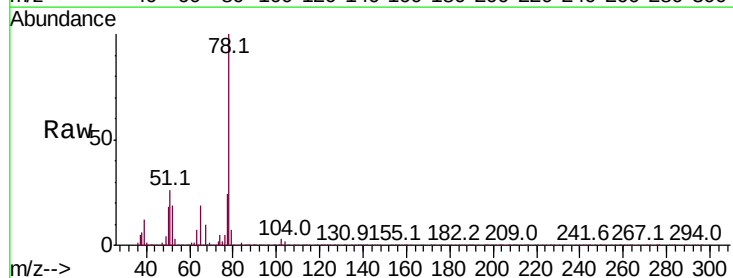
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

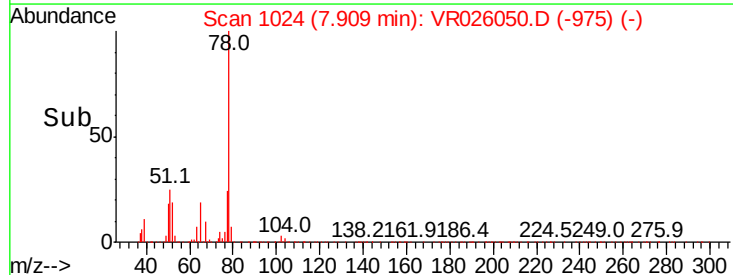
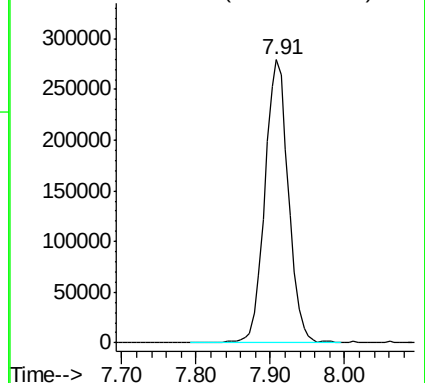
Lab File: VR026050.D

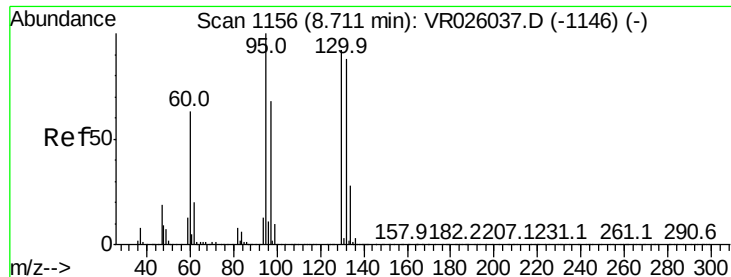
Acq: 11 Oct 2018 18:34

Tgt Ion: 78 Resp: 617040



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.170 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 149416

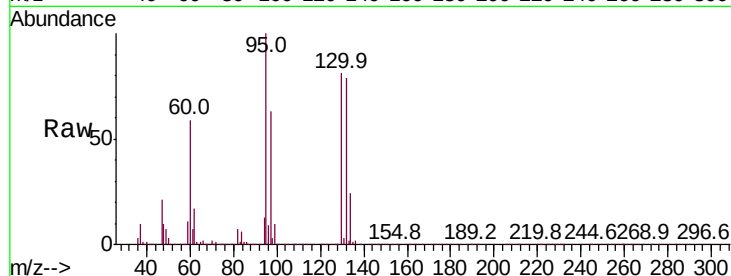
Ion Ratio Lower Upper

95 100

97 62.5 43.9 81.5

132 78.9 53.3 98.9

130 80.6 53.8 99.8

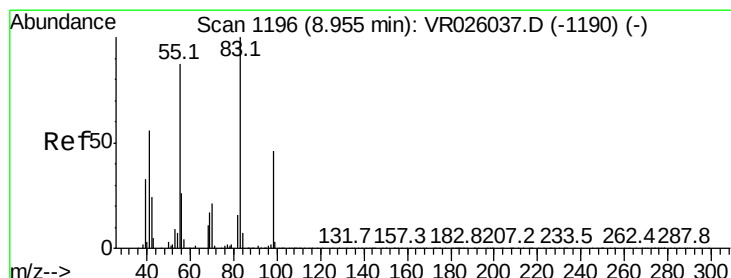
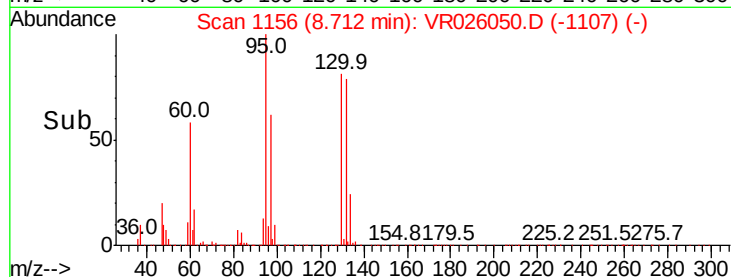
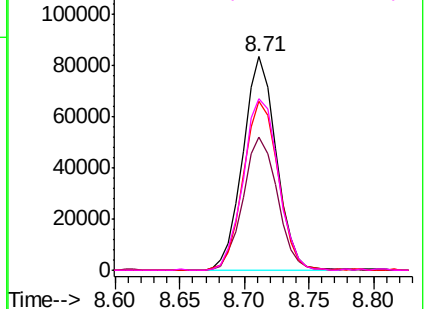


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 3.847 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

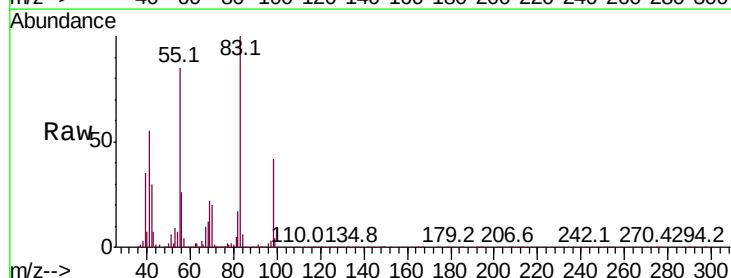
Tgt Ion: 83 Resp: 207250

Ion Ratio Lower Upper

83 100

55 85.2 71.8 107.6

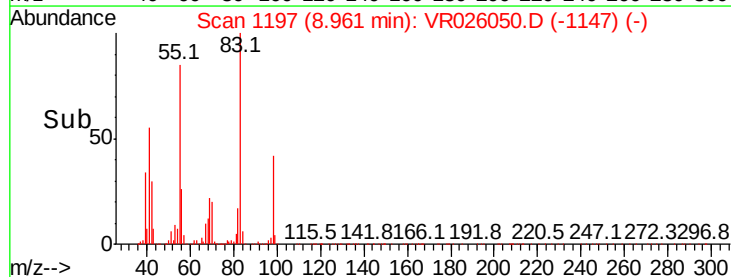
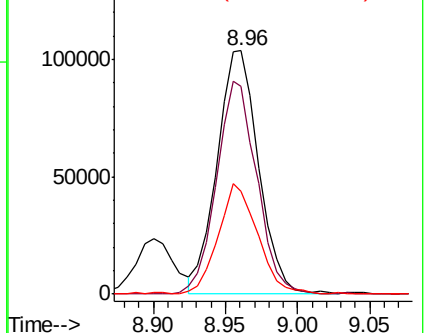
98 42.6 34.2 51.4

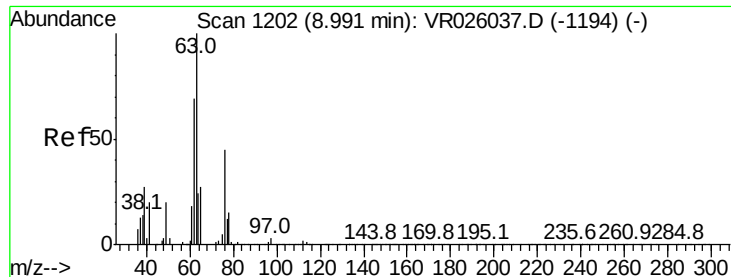


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.897 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

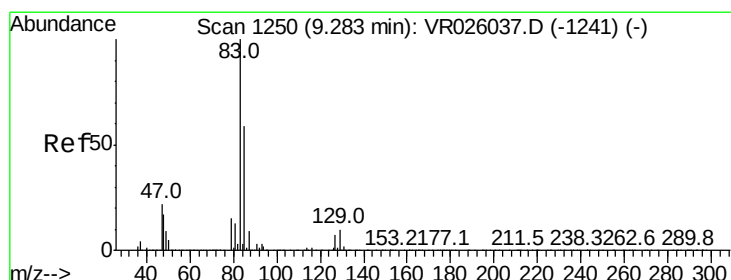
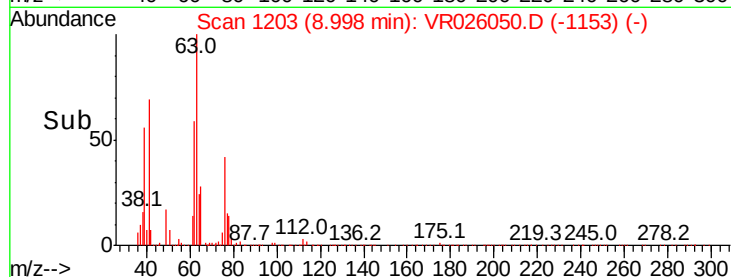
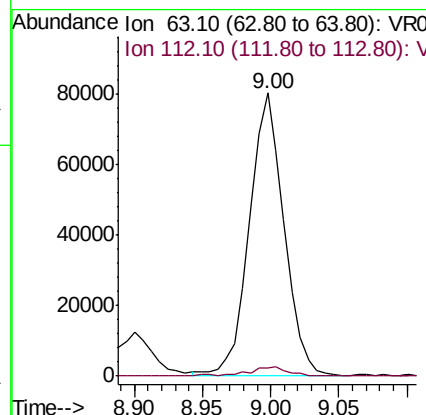
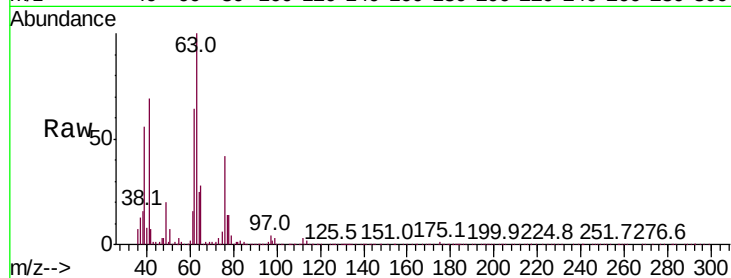
Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 142854

Ion	Ratio	Lower	Upper
63	100		
112	3.6	2.5	3.7



#38

Bromodichloromethane

Concen: 4.929 ug/L

RT: 9.28 min Scan# 1250

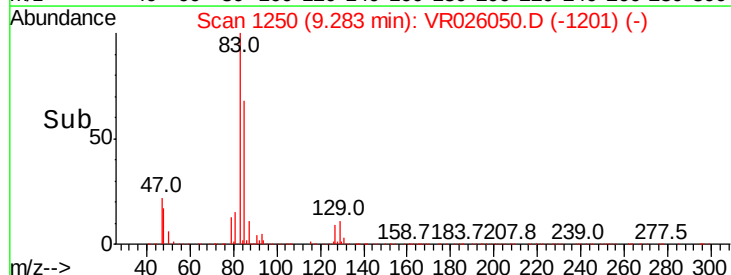
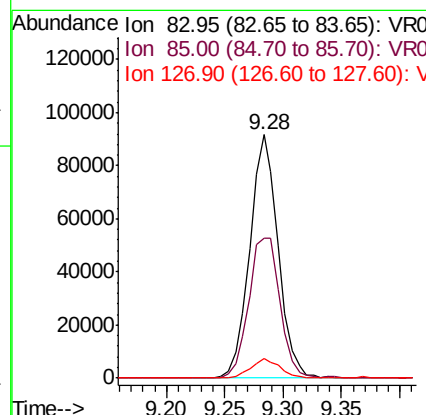
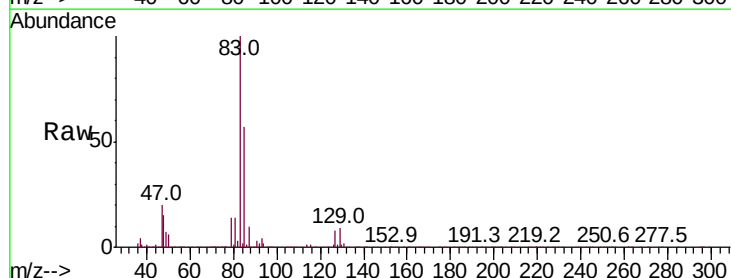
Delta R.T. 0.00 min

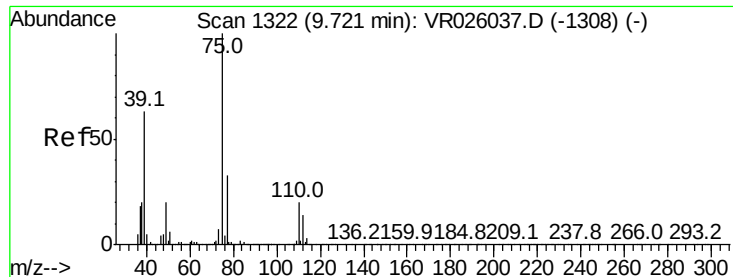
Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Tgt Ion: 83 Resp: 155126

Ion	Ratio	Lower	Upper
83	100		
85	57.3	42.8	79.4
127	7.8	5.6	8.4



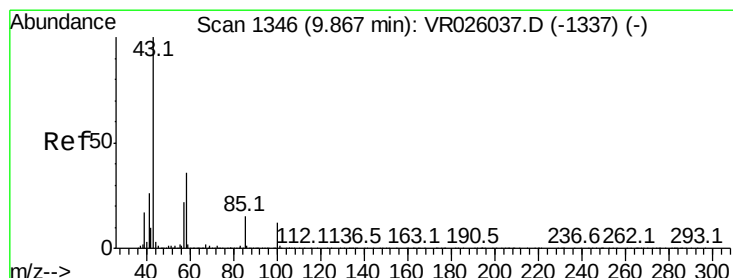
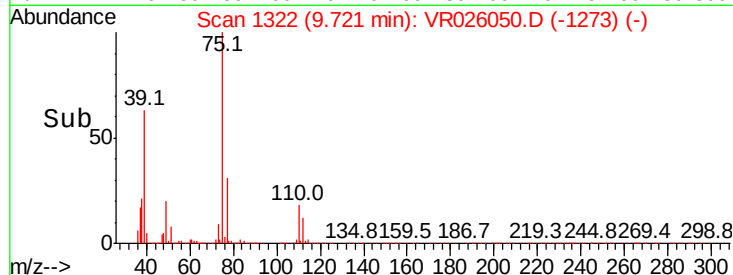
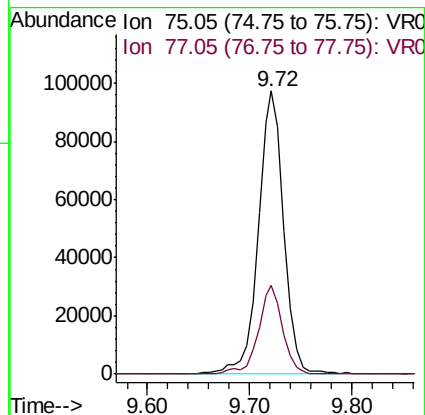
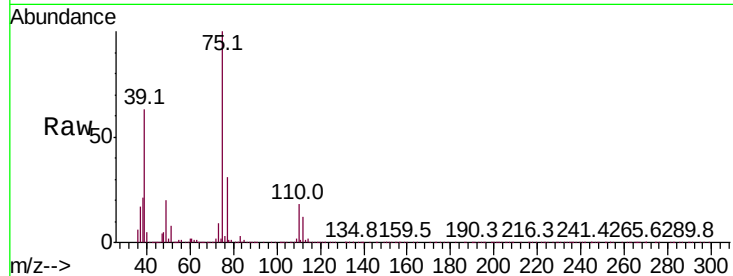


#39

cis-1,3-Dichloropropene
Concen: 5.130 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Instrument :
MSVOA_R
ClientSampled :

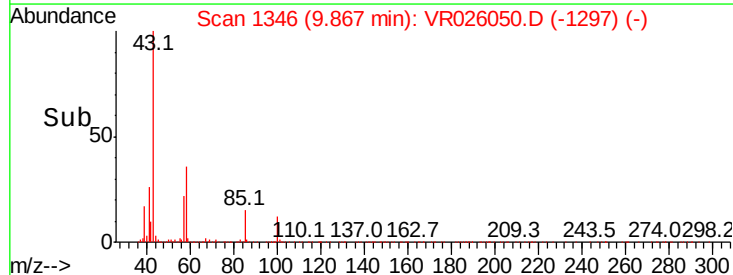
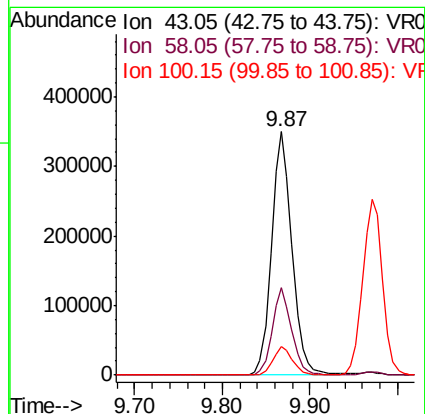
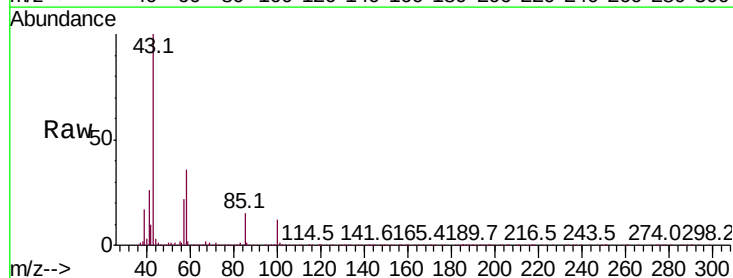
Tot Ion: 75 Resp: 167798
Ion Ratio Lower Upper
75 100
77 31.3 21.5 39.9

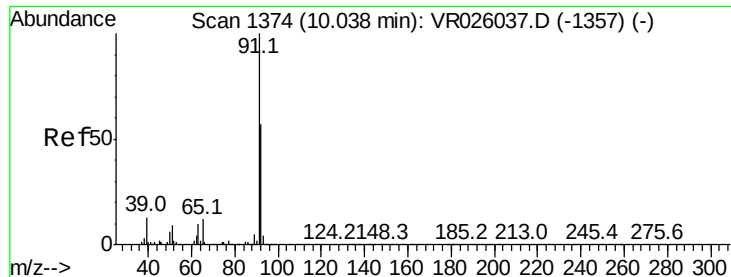


#40

4-Methyl-2-pentanone
Concen: 55.406 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 43 Resp: 568325
Ion Ratio Lower Upper
43 100
58 34.0 28.6 43.0
100 11.3 9.0 13.4





#42

Toluene

Concen: 4.690 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

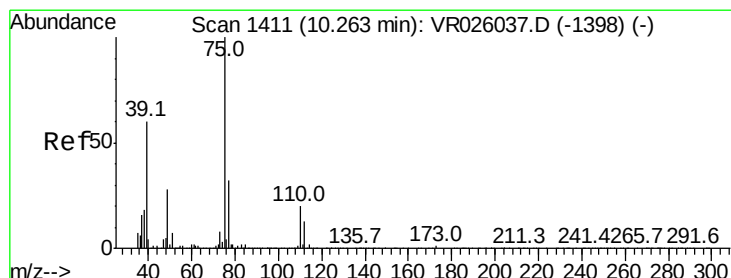
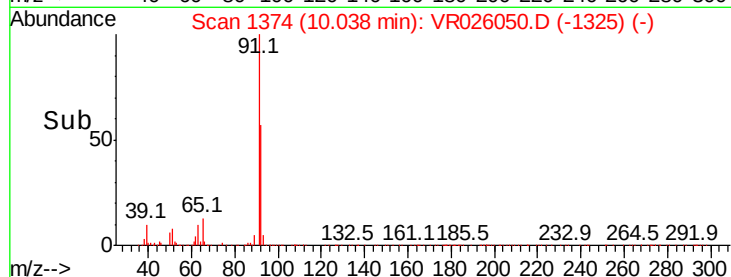
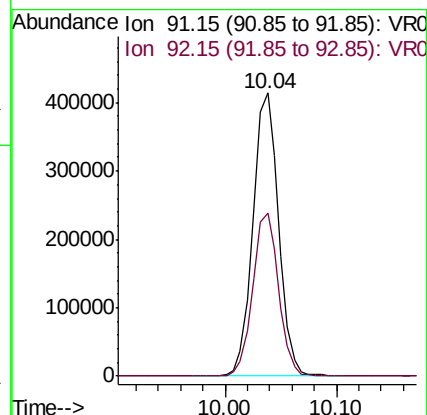
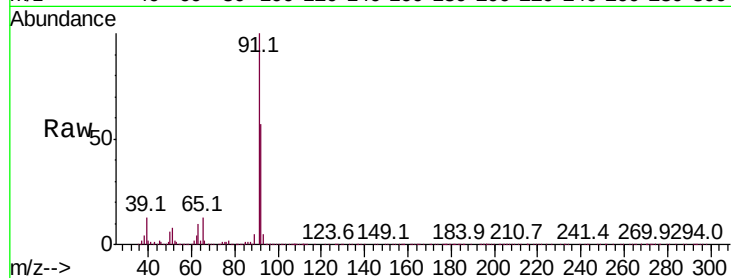
ClientSampleId :

Tot Ion: 91 Resp: 662638

Ion Ratio Lower Upper

91 100

92 57.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.482 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026050.D

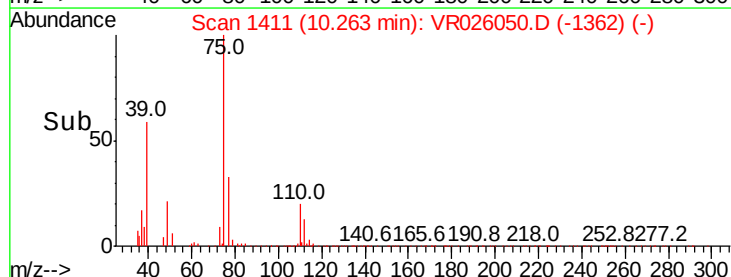
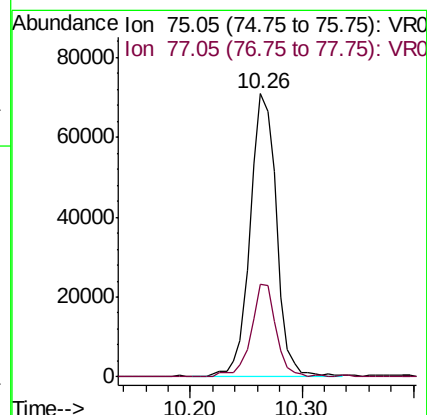
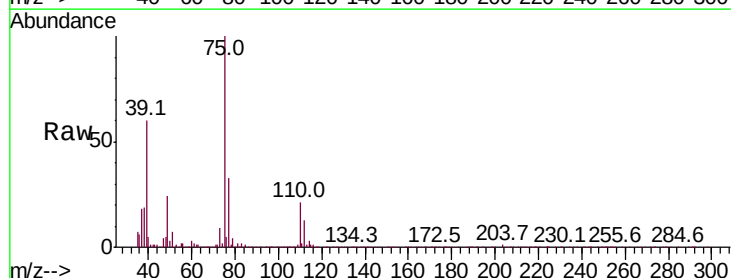
Acq: 11 Oct 2018 18:34

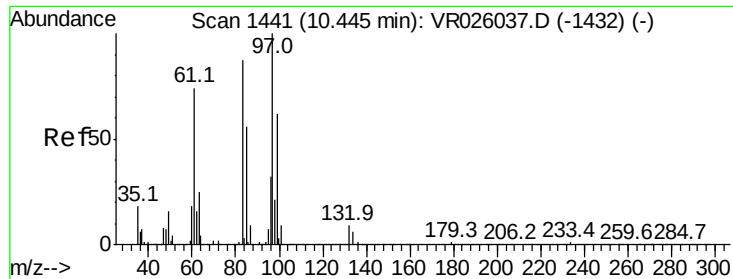
Tgt Ion: 75 Resp: 117062

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8

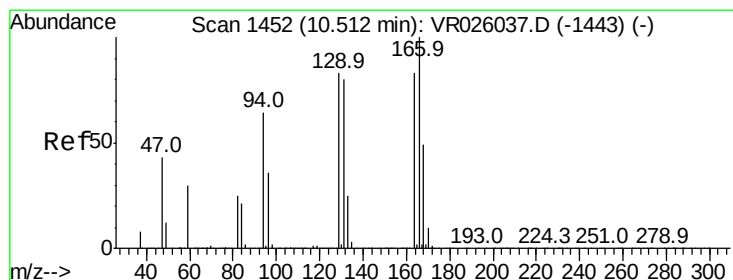
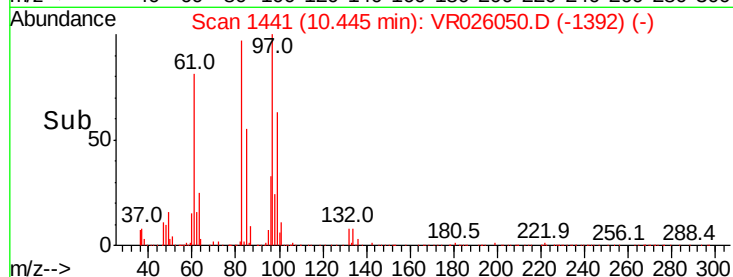
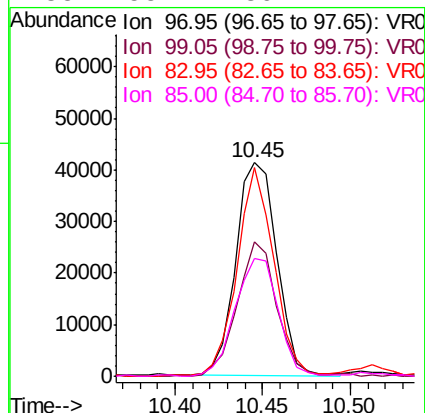
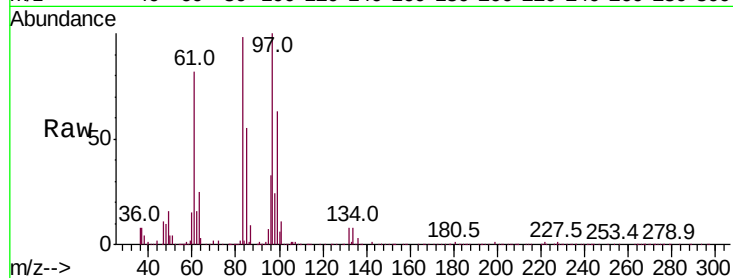




#45
1,1,2-Trichloroethane
Concen: 5.122 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

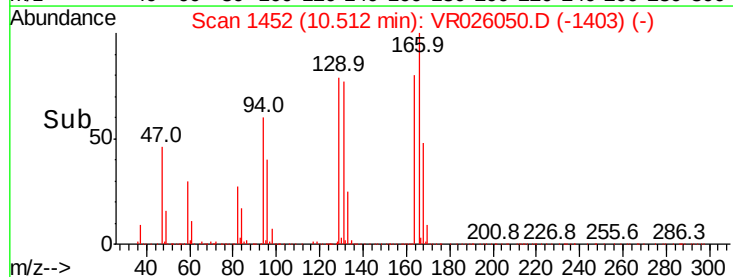
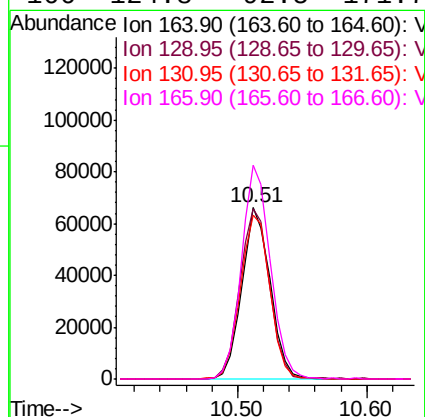
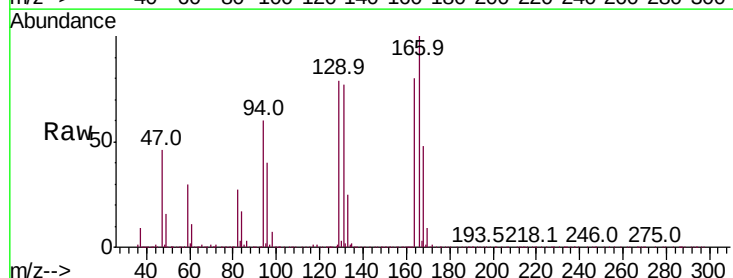
Instrument :
MSVOA_R
ClientSampleId :

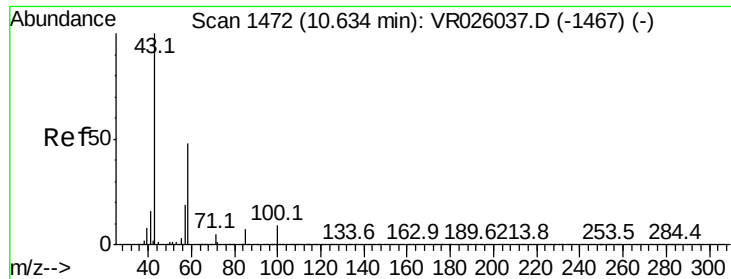
Tot Ion: 97 Resp: 67589
Ion Ratio Lower Upper
97 100
99 62.7 39.6 73.6
83 97.5 62.2 115.6
85 55.2 39.1 72.7



#47
Tetrachloroethene
Concen: 4.524 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 164 Resp: 99881
Ion Ratio Lower Upper
164 100
129 99.2 80.8 150.2
131 96.0 74.5 138.3
166 124.8 92.5 171.7

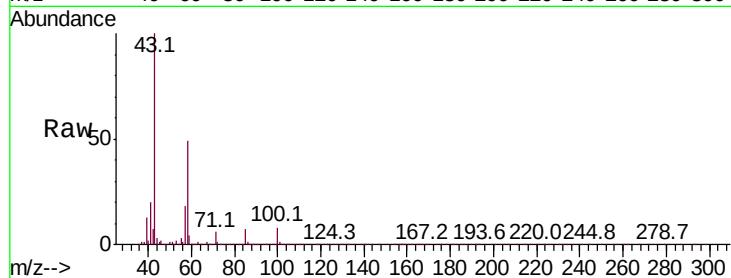




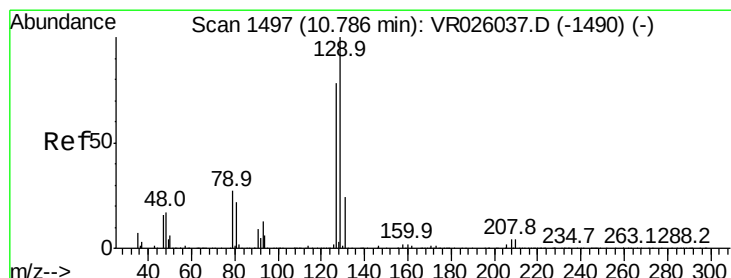
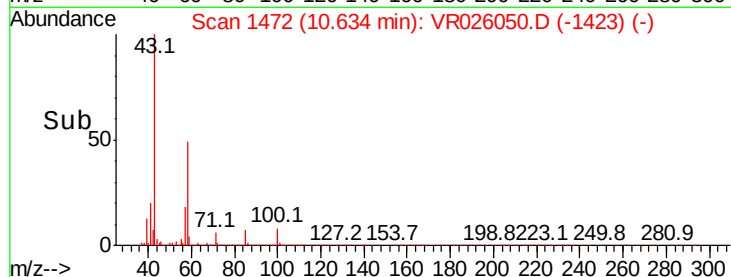
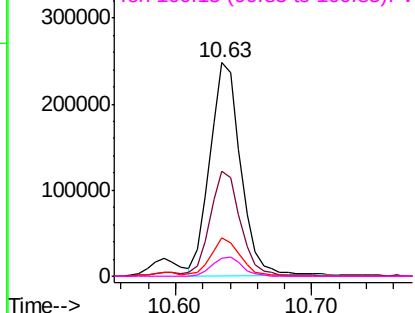
#48
2-Hexanone
Concen: 57.891 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 388788
Ion Ratio Lower Upper
43 100
58 48.3 39.5 59.3
57 17.2 14.6 21.8
100 9.1 6.7 10.1

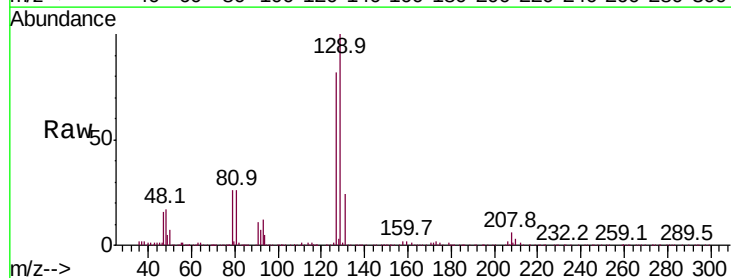


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

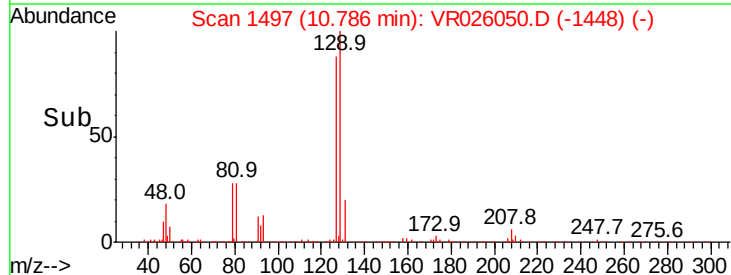
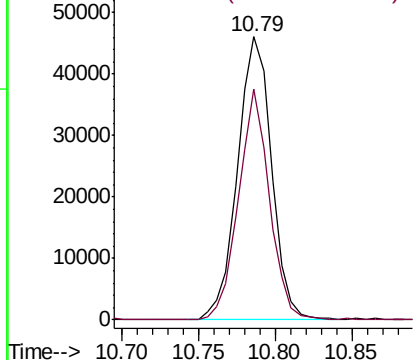


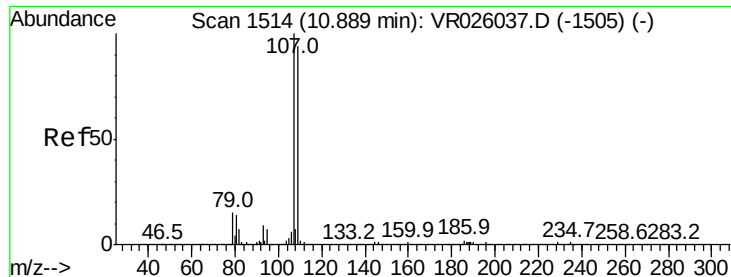
#49
Dibromochloromethane
Concen: 5.305 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion: 129 Resp: 71031
Ion Ratio Lower Upper
129 100
127 81.6 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

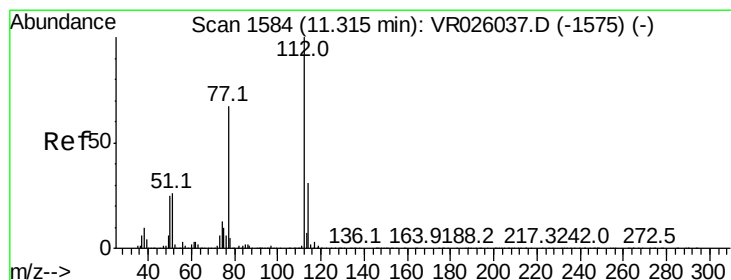
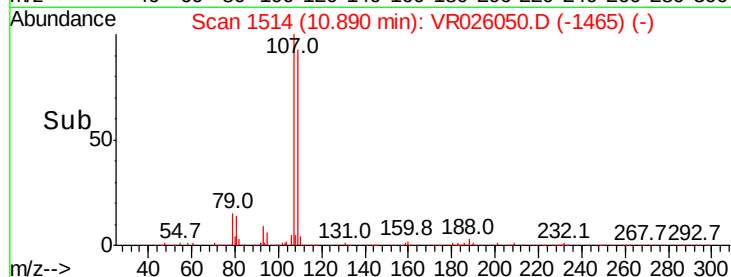
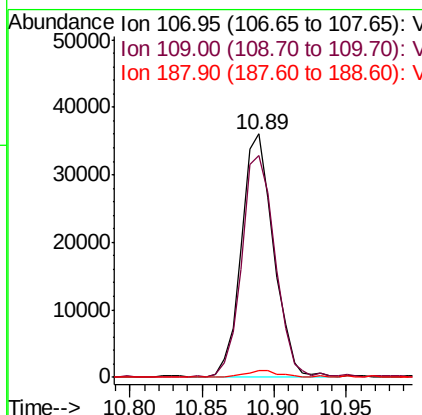
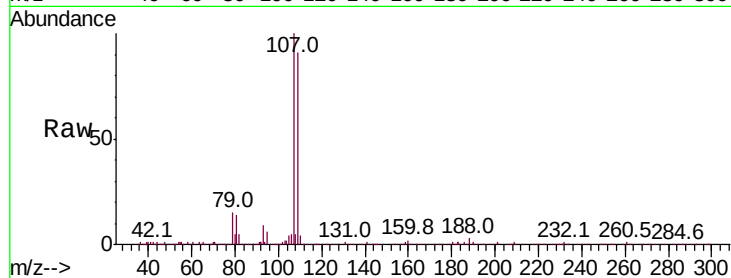




#50
 1,2-Dibromoethane
 Concen: 5.333 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VR026050.D
 Acq: 11 Oct 2018 18:34

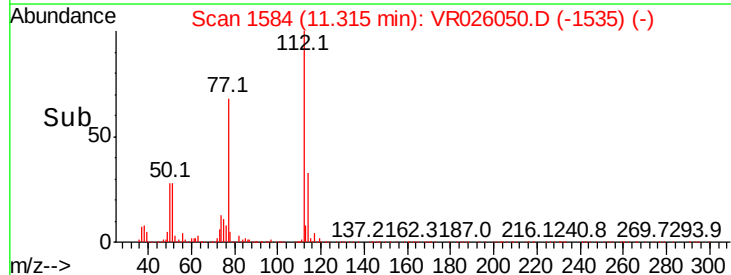
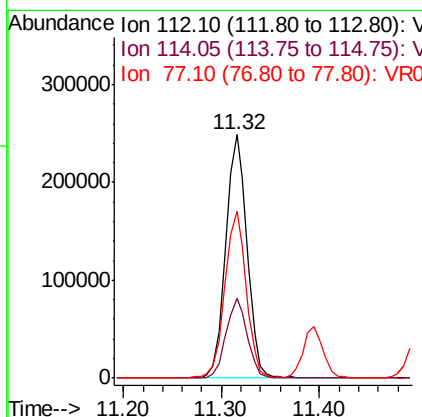
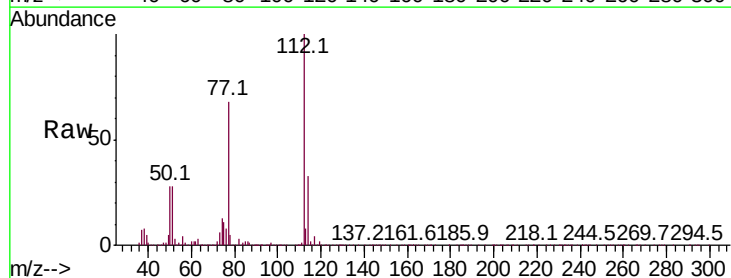
Instrument :
 MSVOA_R
 ClientSampled :

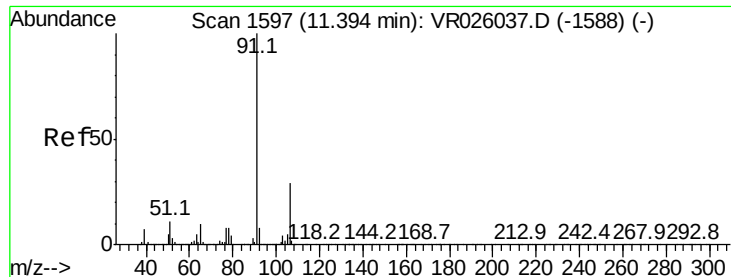
Tot Ion:107 Resp: 55525
 Ion Ratio Lower Upper
 107 100
 109 91.3 63.5 117.9
 188 2.6 1.7 2.5#



#51
 Chlorobenzene
 Concen: 4.991 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VR026050.D
 Acq: 11 Oct 2018 18:34

Tgt Ion:112 Resp: 374085
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 68.3 58.5 87.7





#52

Ethylbenzene

Concen: 4.806 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

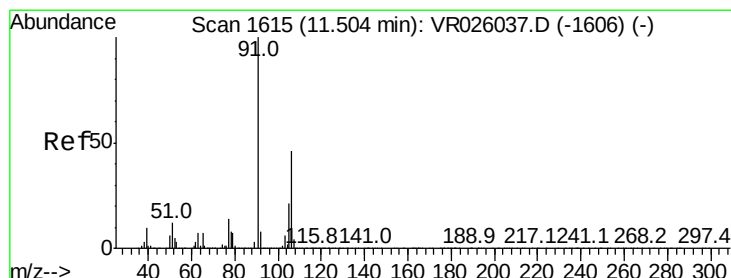
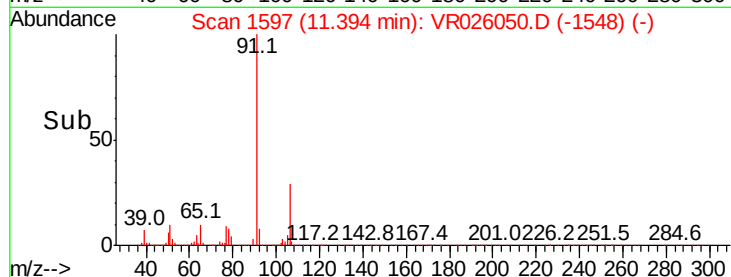
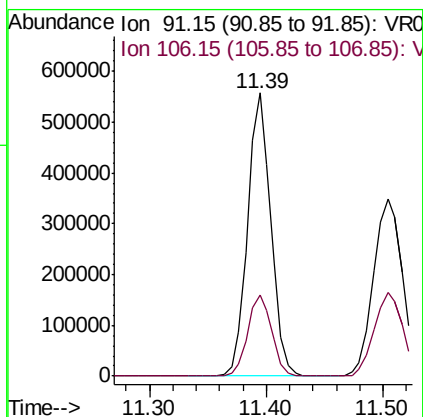
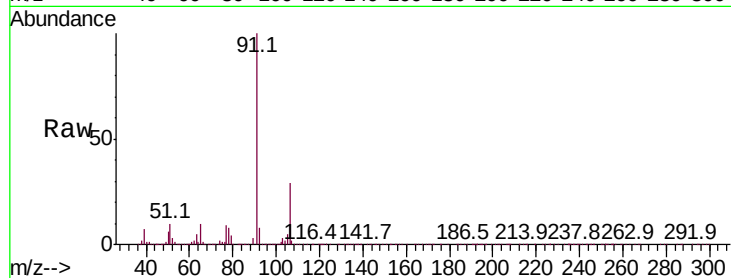
ClientSampleId :

Tot Ion: 91 Resp: 775109

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4



#53

m,p-Xylene

Concen: 4.928 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026050.D

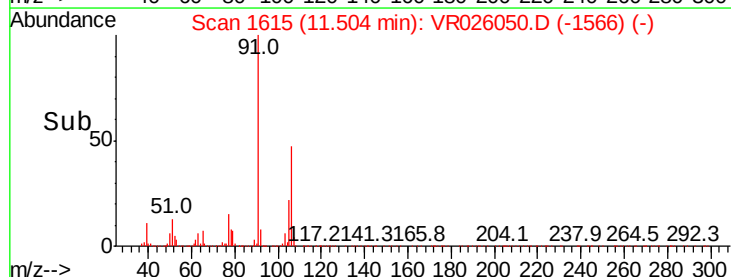
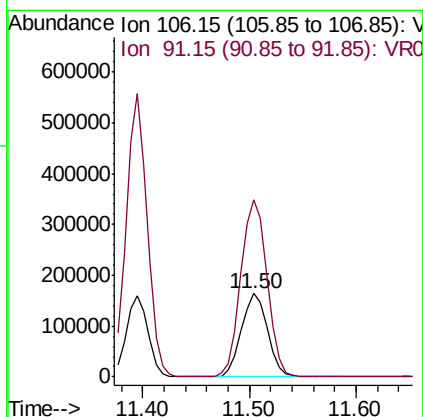
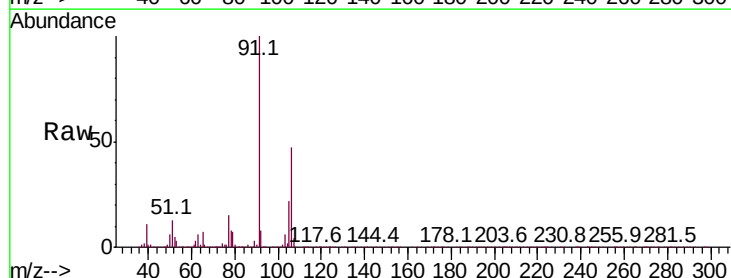
Acq: 11 Oct 2018 18:34

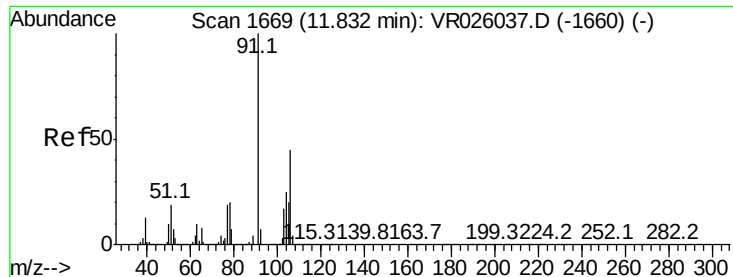
Tgt Ion: 106 Resp: 282918

Ion Ratio Lower Upper

106 100

91 213.4 159.7 296.5

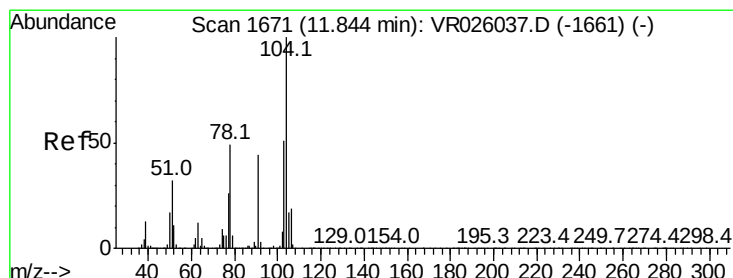
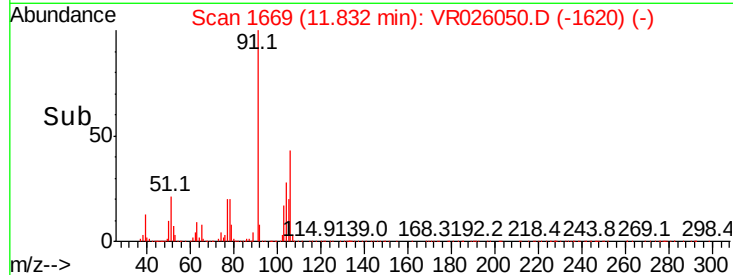
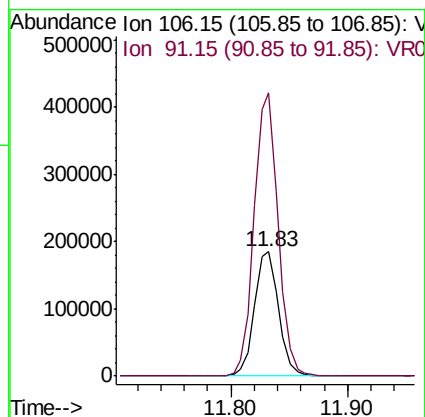
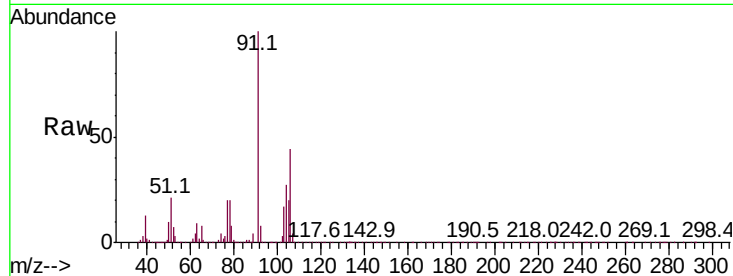




#54
o-Xylene
Concen: 4.978 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

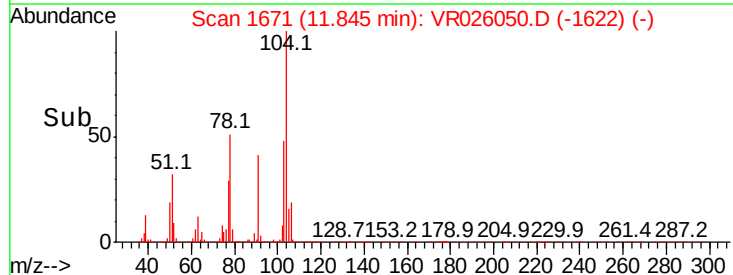
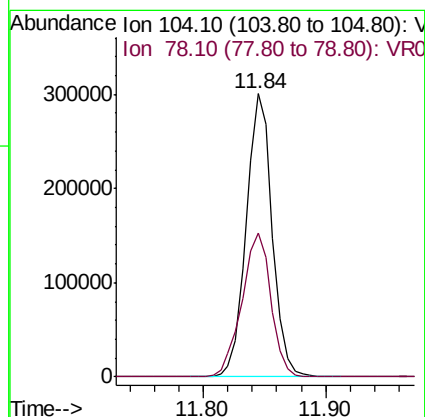
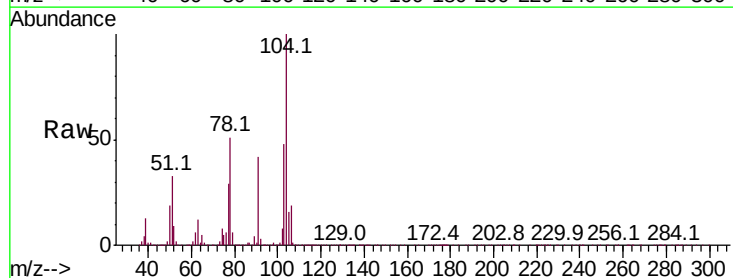
Instrument :
MSVOA_R
ClientSampled :

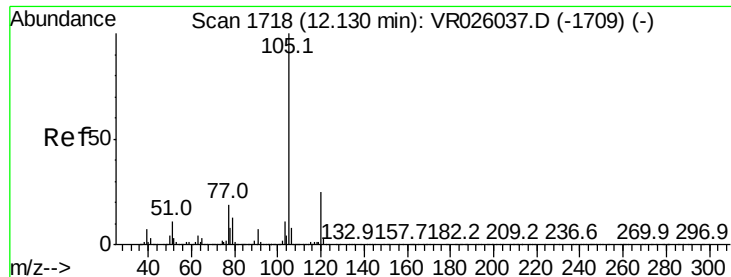
Tot Ion:106 Resp: 266044
Ion Ratio Lower Upper
106 100
91 227.7 164.5 305.5



#55
Styrene
Concen: 5.314 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion:104 Resp: 442041
Ion Ratio Lower Upper
104 100
78 50.9 39.3 72.9





#56

Isopropylbenzene

Concen: 4.980 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampleId :

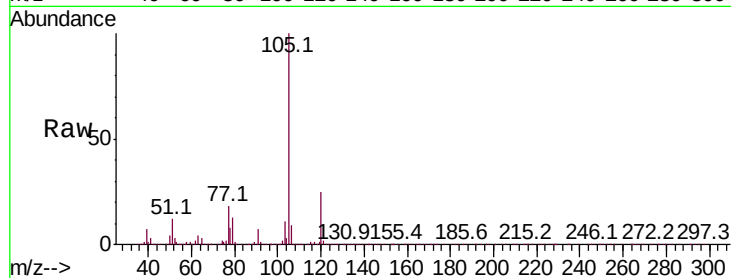
Tot Ion:105 Resp: 734112

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

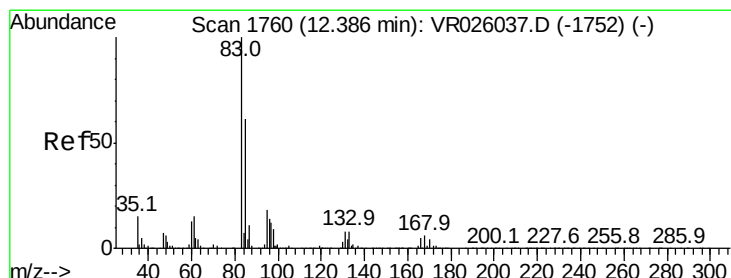
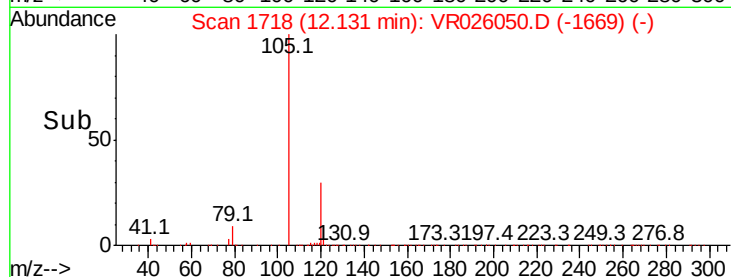
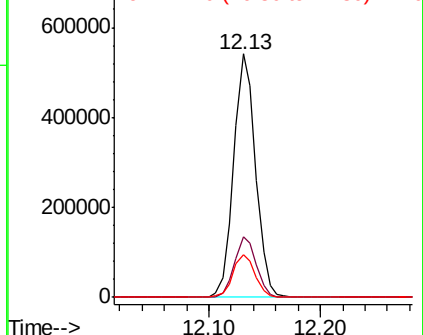
77 17.9 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.760 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

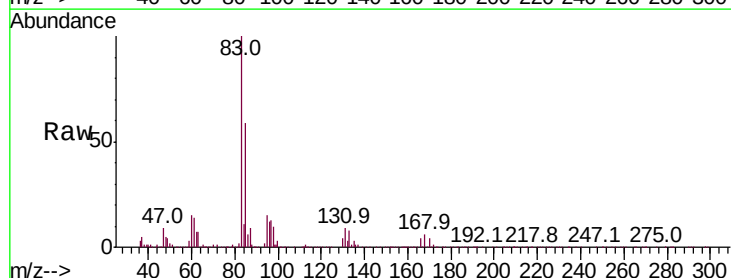
Tgt Ion: 83 Resp: 73235

Ion Ratio Lower Upper

83 100

85 59.0 45.8 85.0

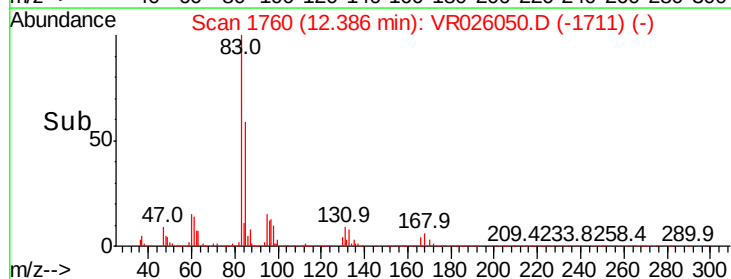
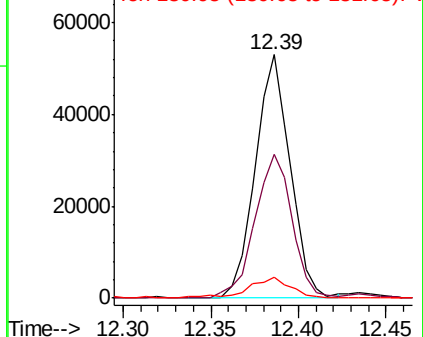
131 8.8 6.6 9.8

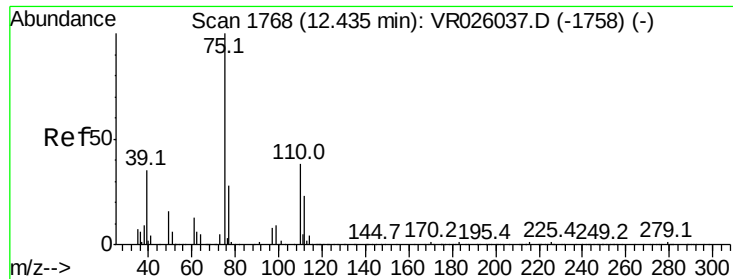


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.644 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

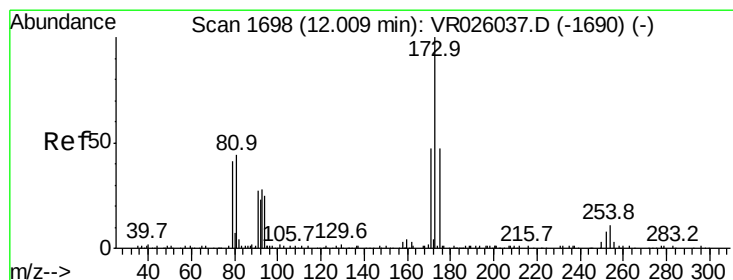
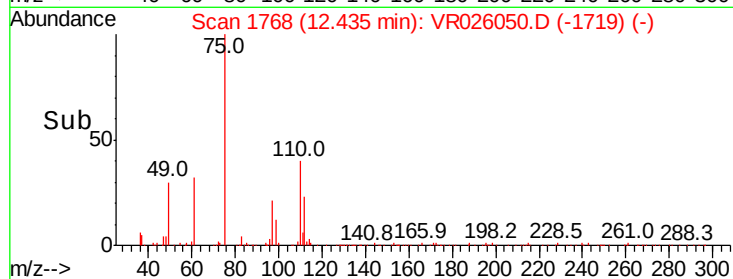
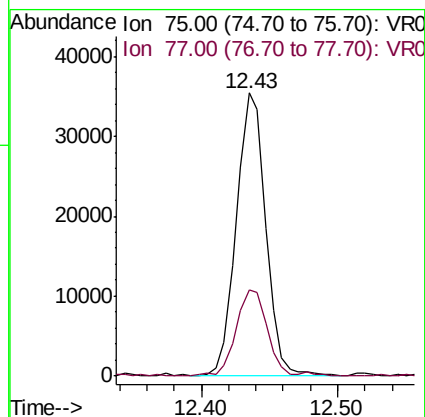
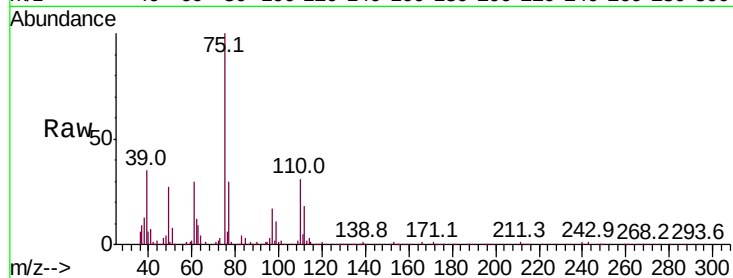
ClientSampled :

Tot Ion: 75 Resp: 53407

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#61

Bromoform

Concen: 4.502 ug/L

RT: 12.01 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

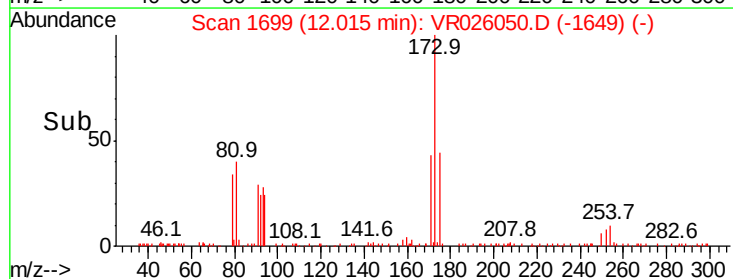
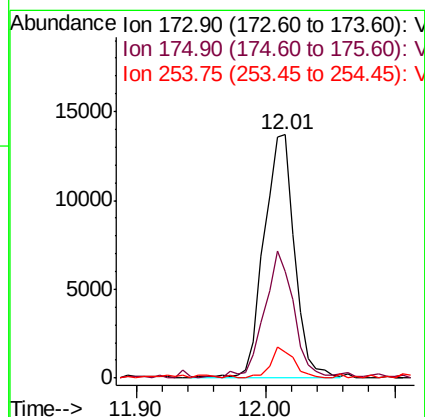
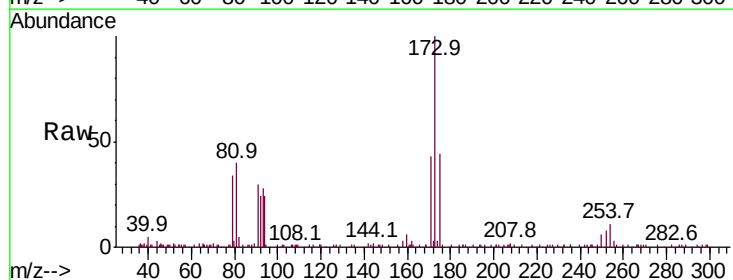
Tgt Ion: 173 Resp: 22508

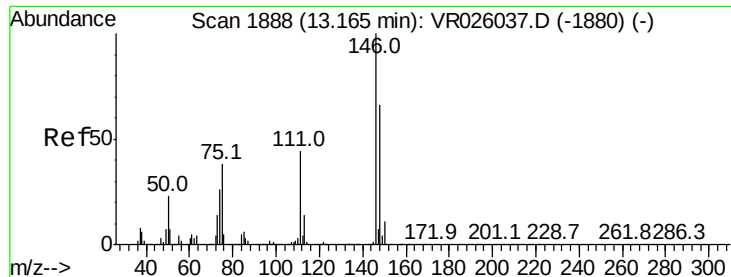
Ion Ratio Lower Upper

173 100

175 51.0 36.9 55.3

254 9.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.788 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026050.D

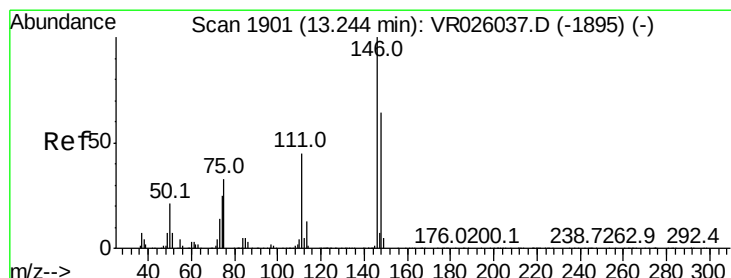
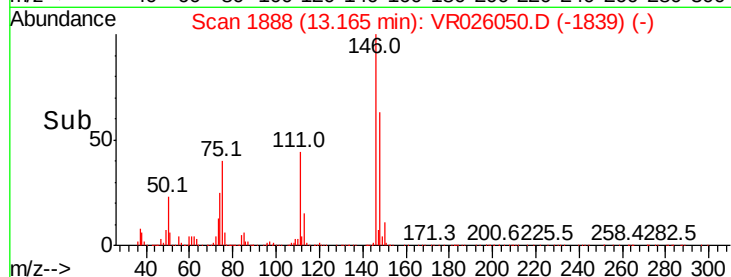
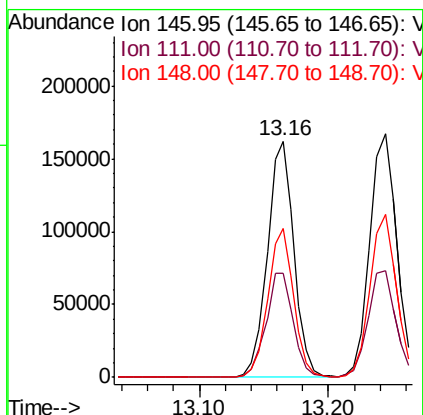
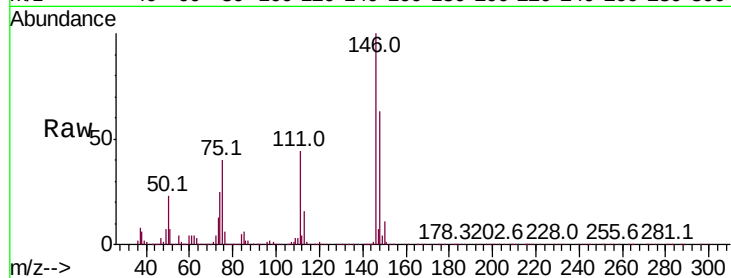
Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	231417
Ion	Ratio	Lower	Upper
146	100		
111	43.8	36.6	68.0
148	63.2	41.9	77.7



#63

1,4-Dichlorobenzene

Concen: 4.794 ug/L

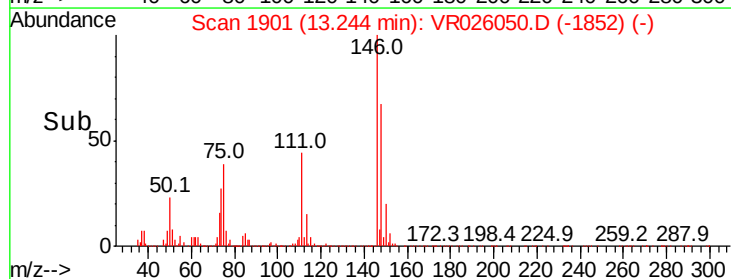
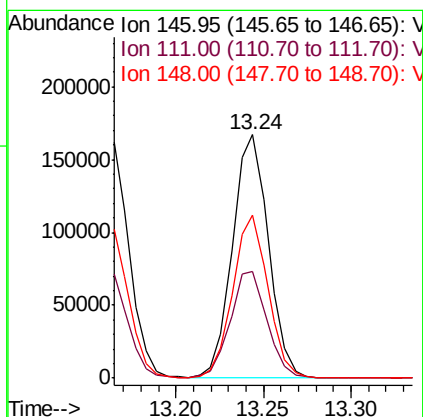
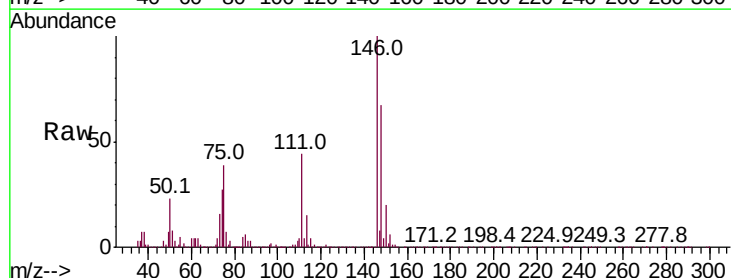
RT: 13.24 min Scan# 1901

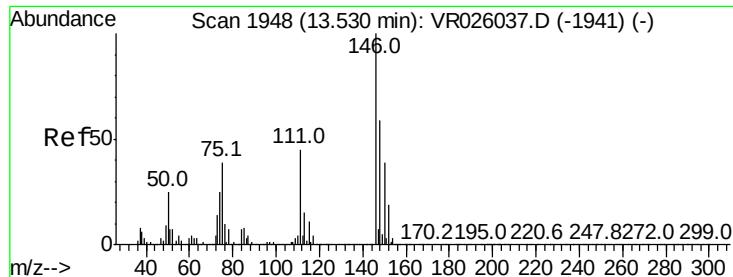
Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Tgt Ion:	146	Resp:	237005
Ion	Ratio	Lower	Upper
146	100		
111	43.7	32.9	61.1
148	66.9	45.5	84.5

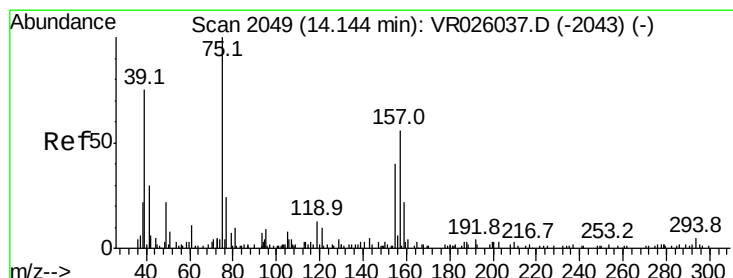
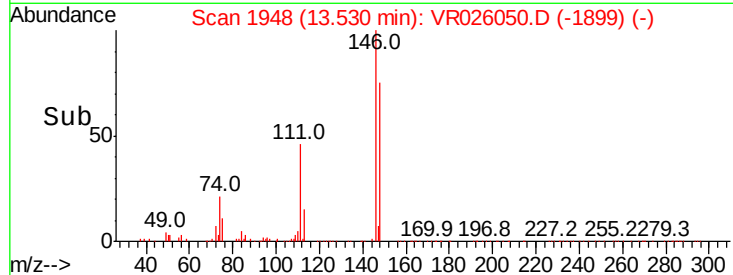
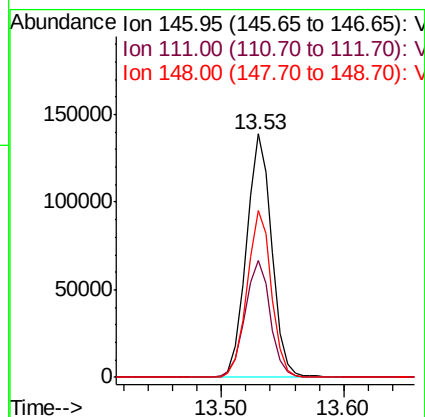
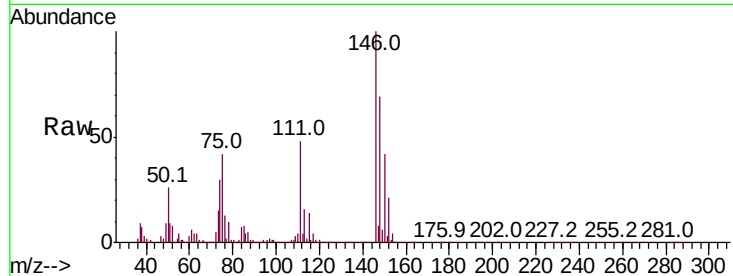




#65
1,2-Dichlorobenzene
Concen: 5.109 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

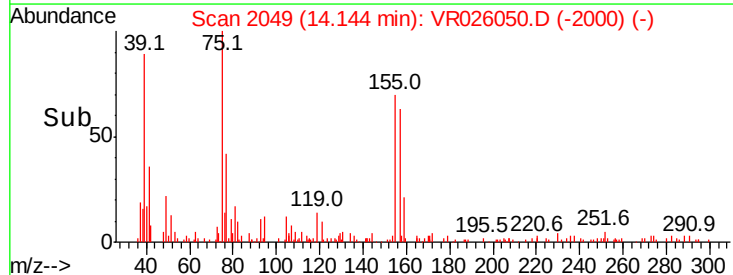
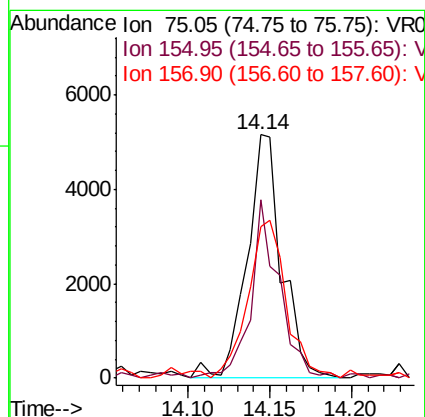
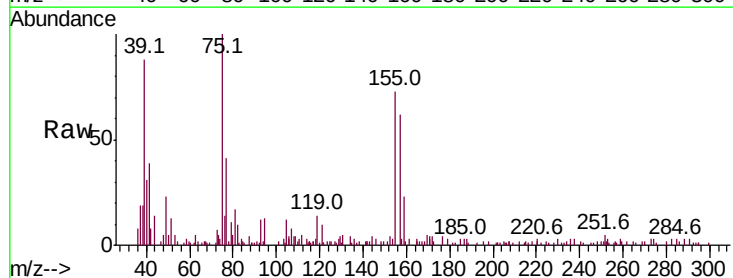
Instrument :
MSVOA_R
ClientSampleId :

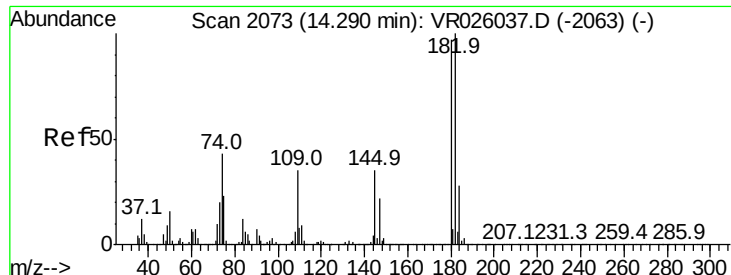
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	39.4	59.0
148	68.7	53.5	80.3



#66
1,2-Dibromo-3-chloropropane
Concen: 4.699 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VR026050.D
Acq: 11 Oct 2018 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	37.8	56.6#
157	62.3	49.7	74.5

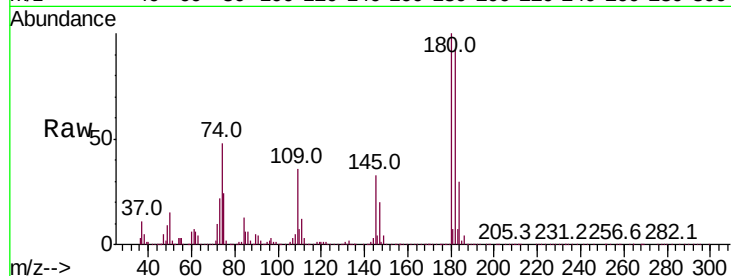




#67
 1,3,5-Trichlorobenzene
 Concen: 5.034 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026050.D
 Acq: 11 Oct 2018 18:34

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.2	115.8
184	31.0	24.5	36.7
145	33.3	31.1	46.7



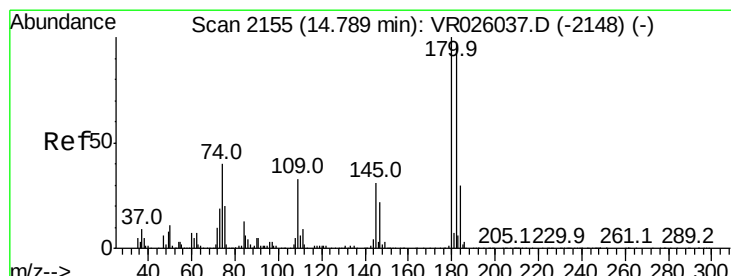
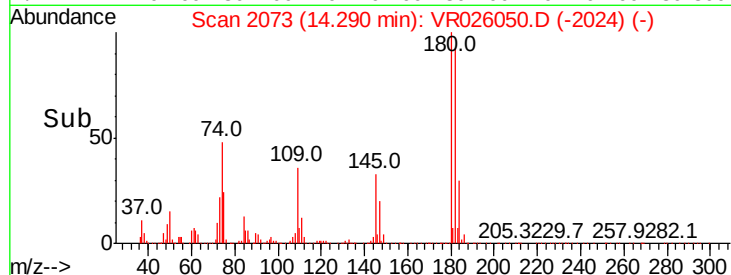
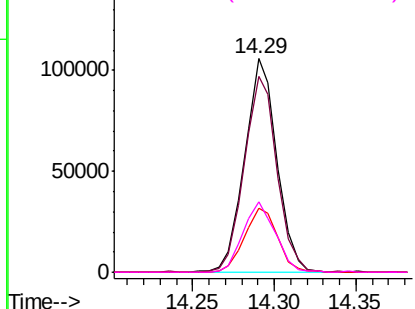
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

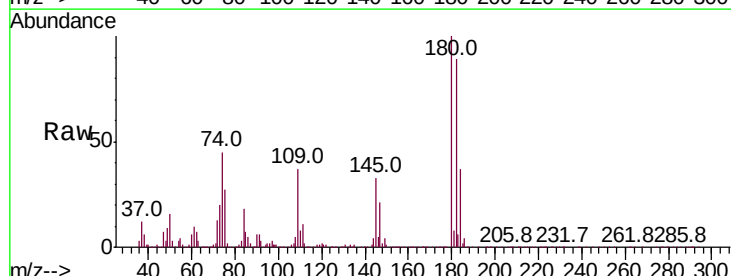
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.920 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026050.D
 Acq: 11 Oct 2018 18:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.2	112.8
145	35.5	30.5	45.7

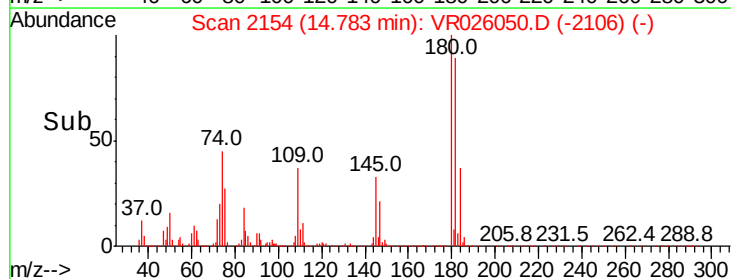
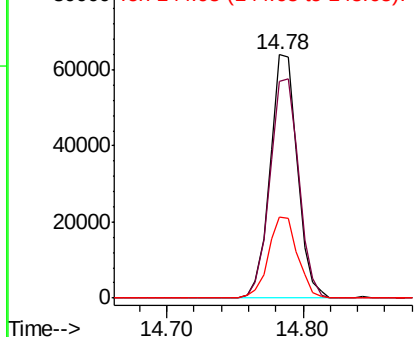


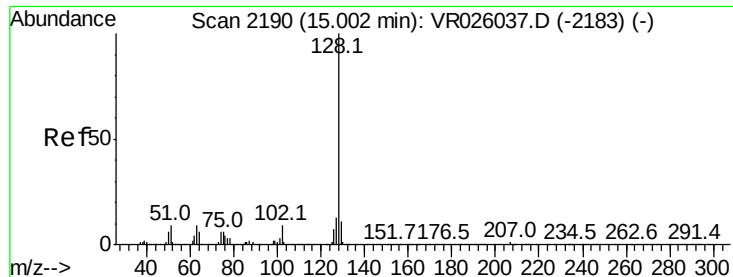
Abundance

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: 4.921 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

Instrument :

MSVOA_R

ClientSampleId :

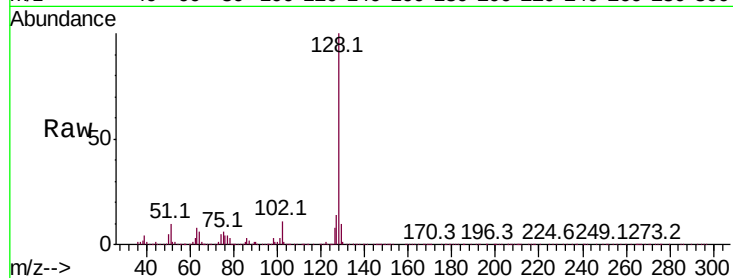
Tot Ion:128 Resp: 115261

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

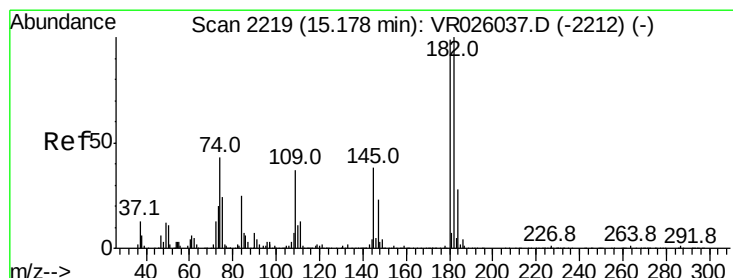
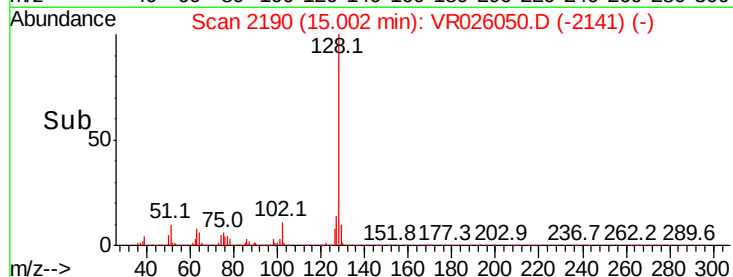
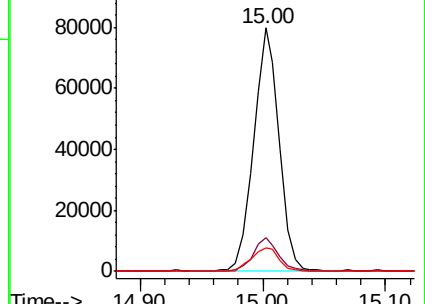
129 10.6 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.256 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026050.D

Acq: 11 Oct 2018 18:34

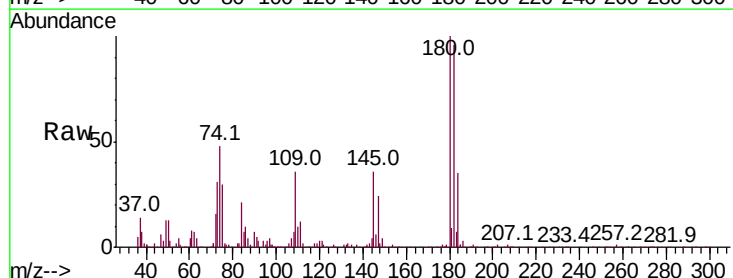
Tgt Ion:180 Resp: 66921

Ion Ratio Lower Upper

180 100

182 100.3 74.7 112.1

145 36.9 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

