

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100518\
 Data File : VR025962.D
 Acq On : 5 Oct 2018 18:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 06 04:23:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 06 04:21:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	456081	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	401820	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	152175	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	189937	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	2.63	69	163918	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	3.63	63	434802	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	6.59	46	208527	52.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.02%
24) Chloroform-d	7.20	84	316649	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	7.90	65	140093	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	7.85	84	616028	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	8.90	67	165909	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	9.97	98	596545	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	10.24	79	43953	5.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.60%
46) 2-Hexanone-d5	10.59	63	164355	52.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.36%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	70879	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	114969	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	110904	4.000 ug/L	98
3) Chloromethane	2.01	50	191127	4.849 ug/L	93
5) Vinyl chloride	2.17	62	190306	4.850 ug/L	95
6) Bromomethane	2.53	94	117846	4.811 ug/L	98
8) Chloroethane	2.66	64	109709	4.915 ug/L	95
9) Trichlorofluoromethane	2.93	101	75651	1.389 ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	169193	5.081 ug/L	95
12) 1,1-Dichloroethene	3.66	96	173613	5.043 ug/L	86
13) Acetone	3.70	43	159748	54.970 ug/L	95
14) Carbon disulfide	3.95	76	367325	4.407 ug/L	100
15) Methyl Acetate	4.20	43	40428	5.017 ug/L	94
16) Methylene chloride	4.40	84	156794	4.953 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	177913	4.667 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	126311	4.436 ug/L	93
19) 1,1-Dichloroethane	5.69	63	252984	4.487 ug/L	97
21) 2-Butanone	6.69	43	193308	48.361 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	129382	4.516 ug/L #	98

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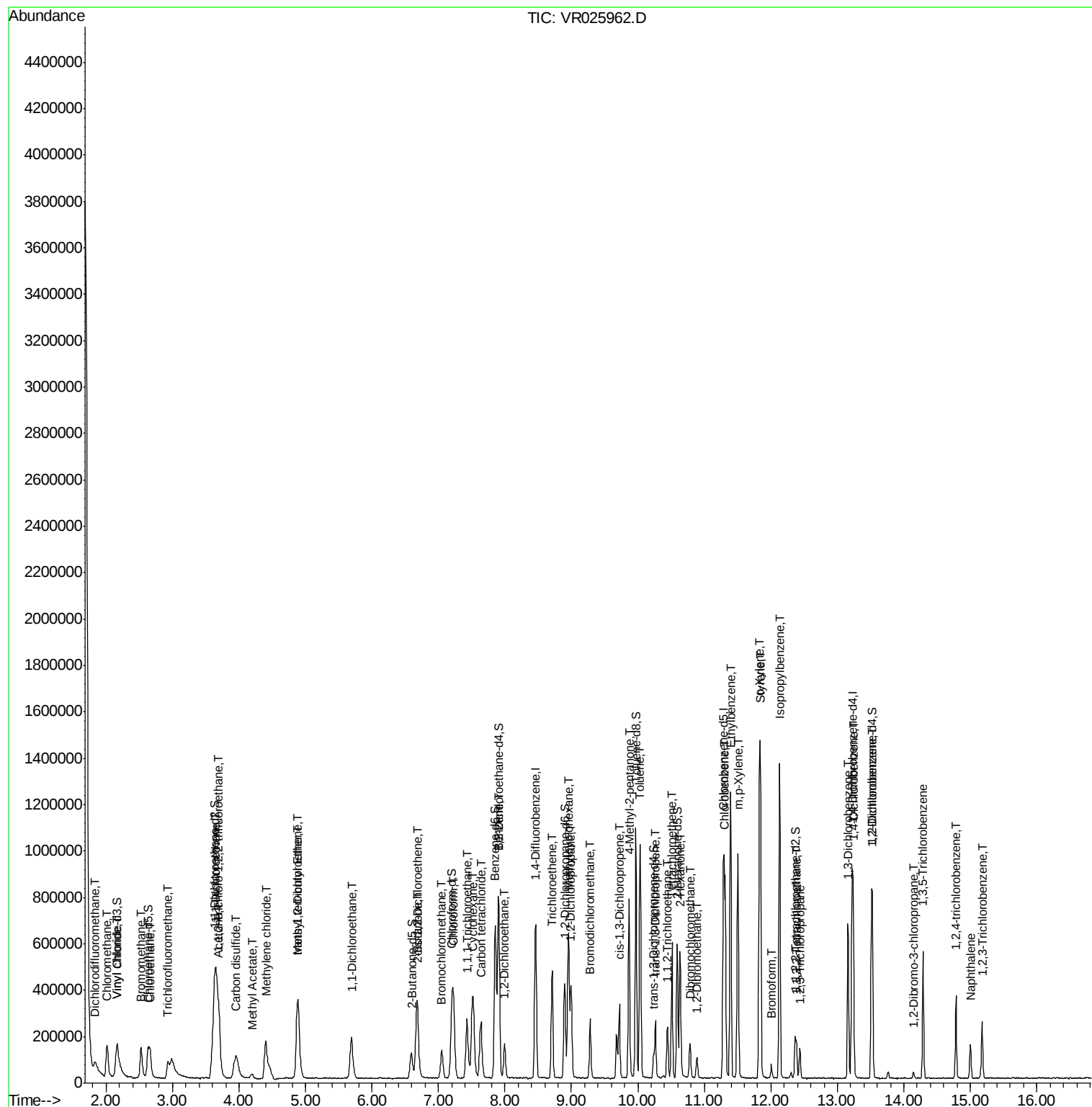
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	36715	4.724	ug/L	95
25) Chloroform	7.23	83	254029	4.627	ug/L	99
27) 1,2-Dichloroethane	7.99	62	127846	4.667	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	204520	4.526	ug/L	97
30) Cyclohexane	7.52	56	223917	3.966	ug/L	97
31) Carbon tetrachloride	7.64	117	180826	4.621	ug/L	96
33) Benzene	7.91	78	591126	4.386	ug/L	100
34) Trichloroethene	8.71	95	149935	4.222	ug/L	96
35) Methylcyclohexane	8.96	83	219121	4.104	ug/L	99
37) 1,2-Dichloropropane	8.99	63	128148	4.432	ug/L	99
38) Bromodichloromethane	9.28	83	142297	4.562	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	157673	4.864	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	489833	48.180	ug/L	97
42) Toluene	10.03	91	626272	4.472	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	110129	5.203	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	56807	4.344	ug/L	95
47) Tetrachloroethene	10.51	164	95338	4.357	ug/L	93
48) 2-Hexanone	10.63	43	327169	49.151	ug/L	98
49) Dibromochloromethane	10.79	129	63212	4.763	ug/L	94
50) 1,2-Dibromoethane	10.89	107	47893	4.641	ug/L #	97
51) Chlorobenzene	11.32	112	340582	4.585	ug/L	97
52) Ethylbenzene	11.39	91	738042	4.617	ug/L	100
53) m,p-Xylene	11.50	106	263167	4.625	ug/L	92
54) o-Xylene	11.83	106	244138	4.609	ug/L	98
55) Styrene	11.84	104	393910	4.778	ug/L	91
56) Isopropylbenzene	12.13	105	690794	4.728	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	58106	4.611	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	44573	4.753	ug/L	100
61) Bromoform	12.01	173	21535	4.681	ug/L #	98
62) 1,3-Dichlorobenzene	13.16	146	195673	4.400	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	205334	4.513	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	161282	4.513	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6071	4.040	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	120701	4.556	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	77361	4.581	ug/L	94
69) Naphthalene	15.00	128	88586	4.110	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	57313	4.891	ug/L	96

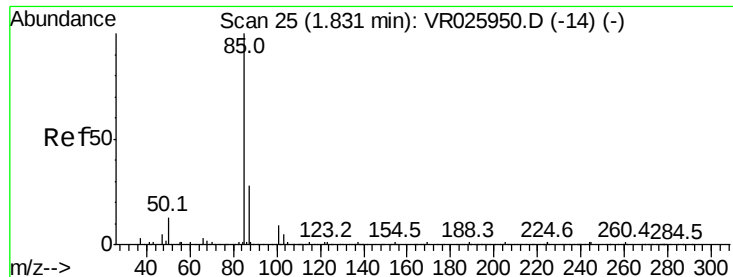
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.000 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

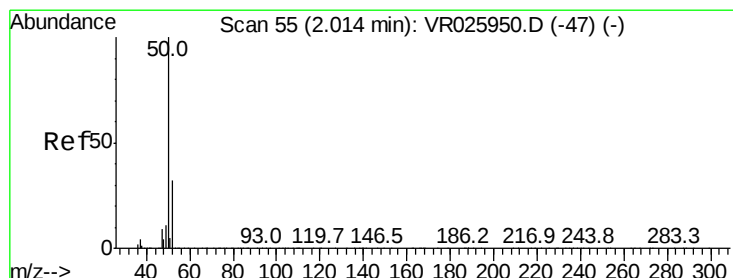
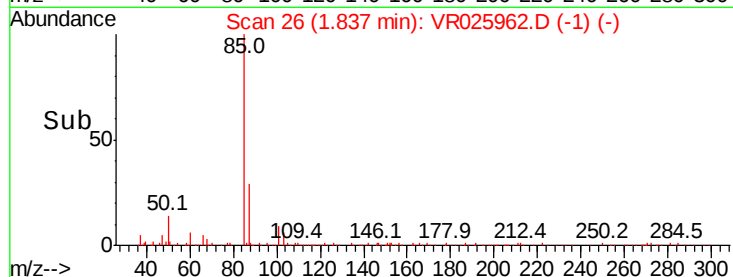
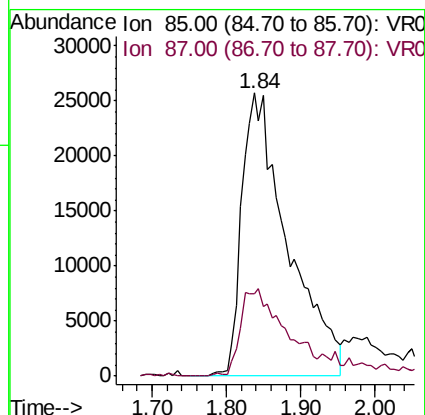
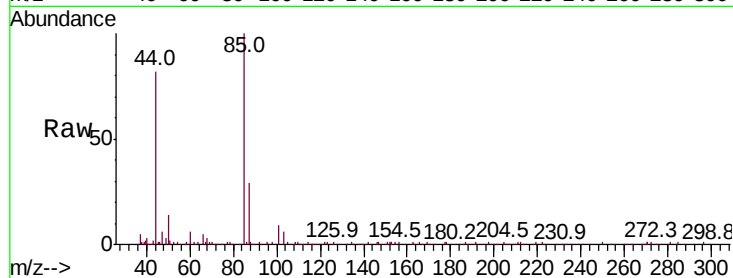
ClientSampleId :

Tot Ion: 85 Resp: 110904

Ion Ratio Lower Upper

85 100

87 30.1 25.1 37.7



#3

Chloromethane

Concen: 4.849 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025962.D

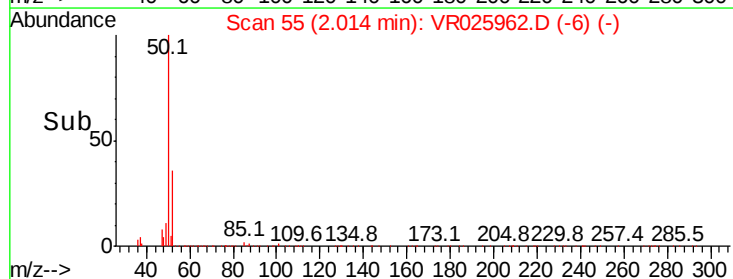
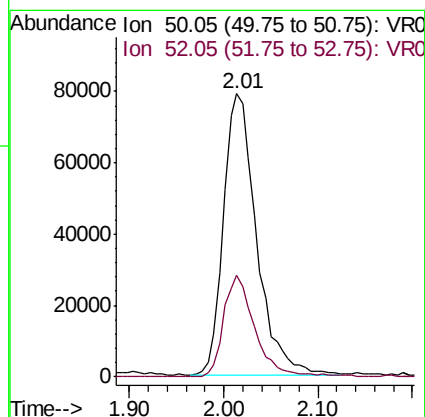
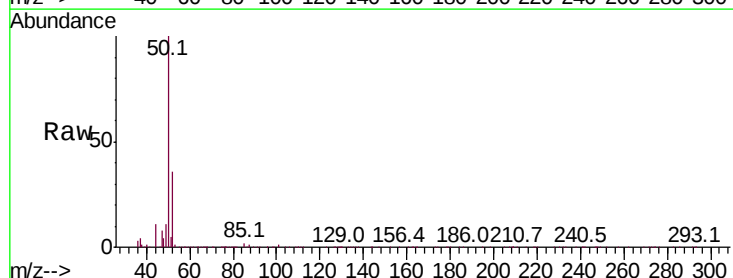
Acq: 5 Oct 2018 18:46

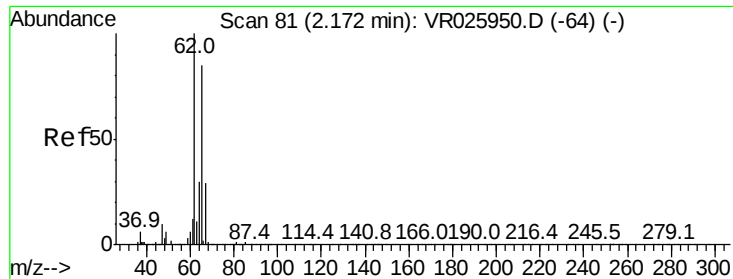
Tgt Ion: 50 Resp: 191127

Ion Ratio Lower Upper

50 100

52 35.7 22.1 41.1





#5

Vinyl chloride

Concen: 4.850 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

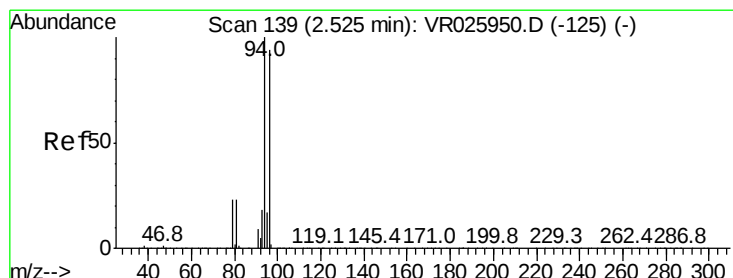
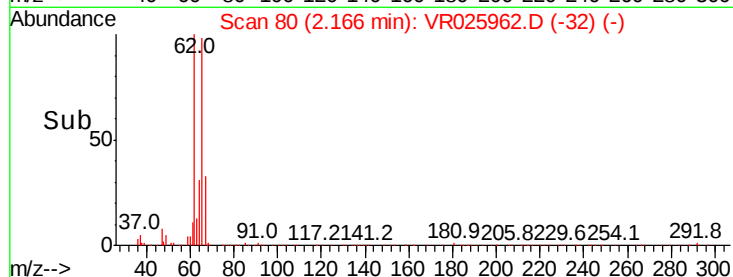
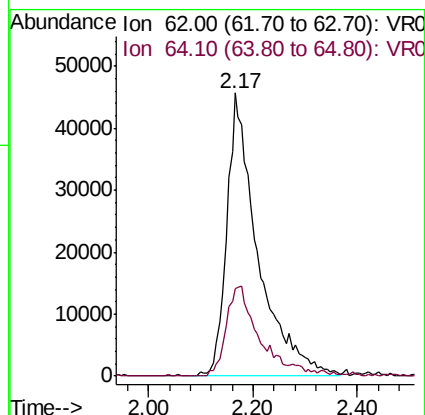
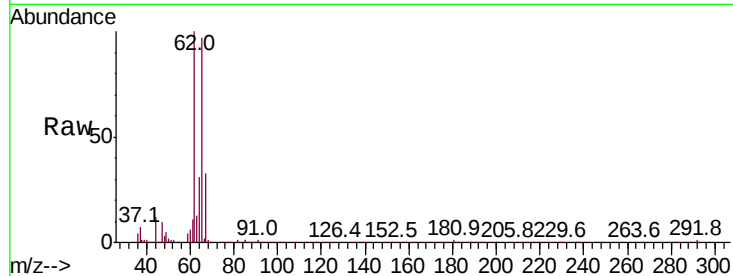
ClientSampleId :

Tot Ion: 62 Resp: 190306

Ion Ratio Lower Upper

62 100

64 30.7 23.5 43.7



#6

Bromomethane

Concen: 4.811 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR025962.D

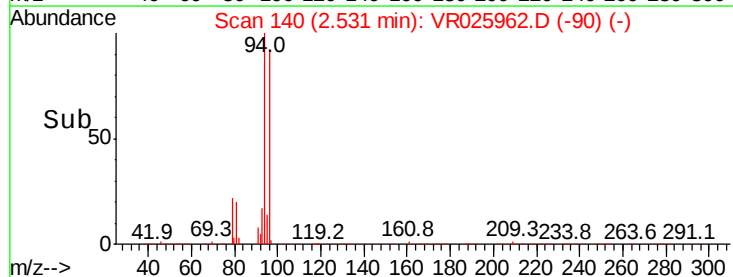
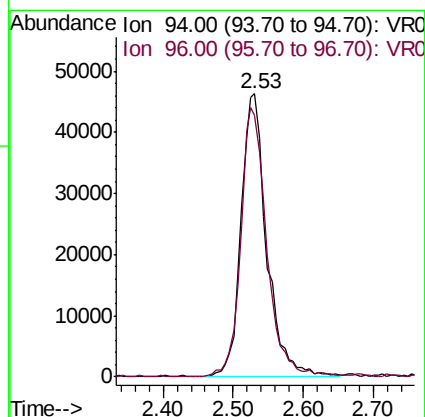
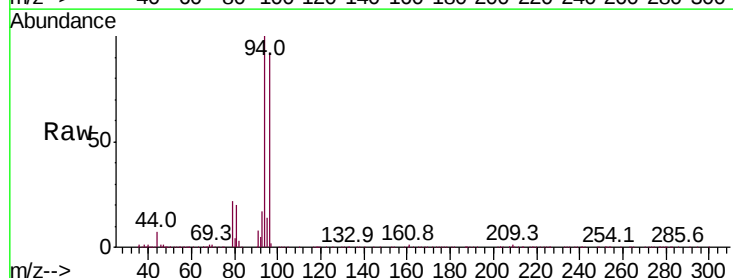
Acq: 5 Oct 2018 18:46

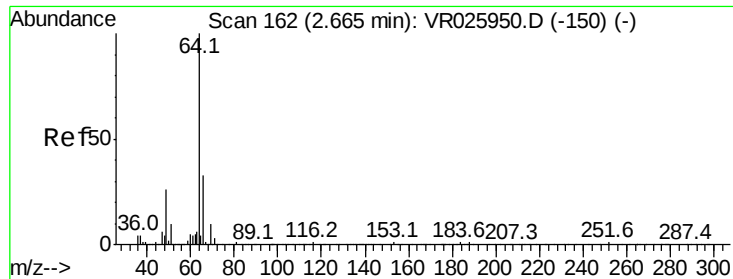
Tgt Ion: 94 Resp: 117846

Ion Ratio Lower Upper

94 100

96 92.3 66.1 122.8





#8

Chloroethane

Concen: 4.915 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

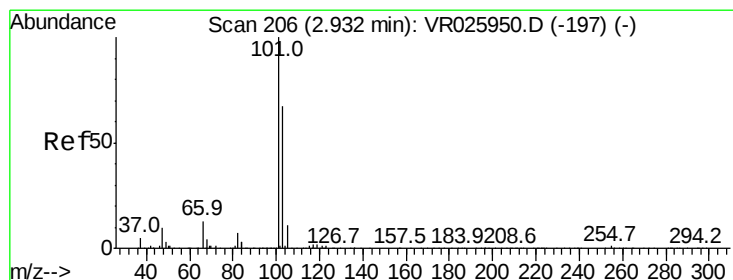
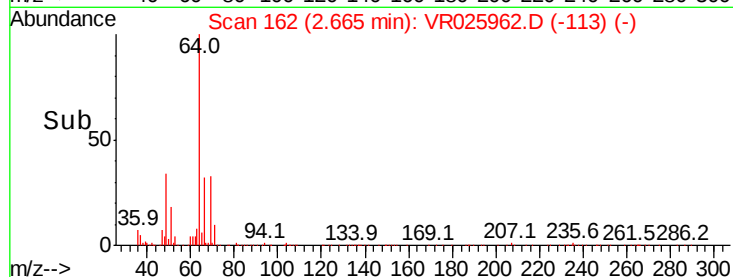
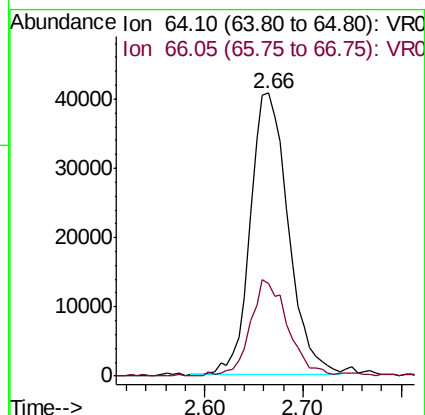
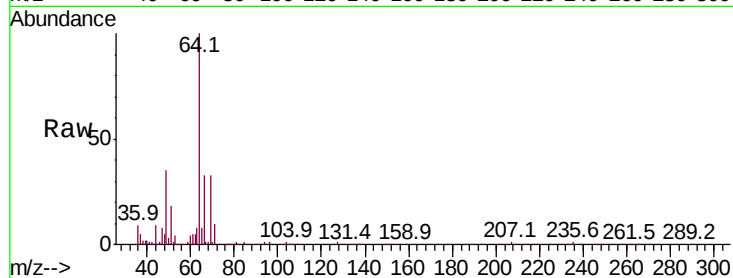
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 64 Resp: 109709

Ion Ratio Lower Upper

64 100

66 32.9 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.389 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR025962.D

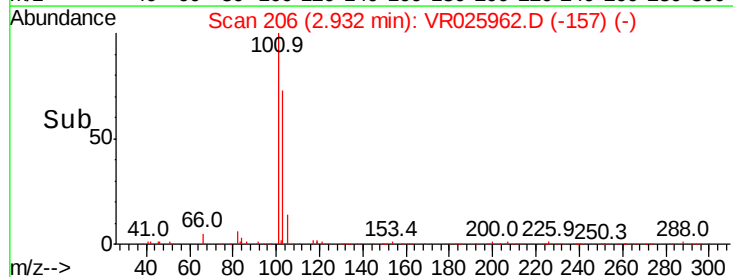
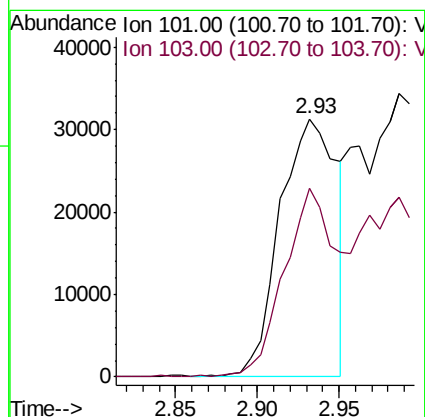
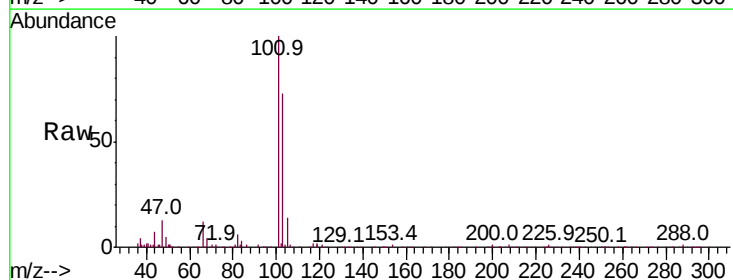
Acq: 5 Oct 2018 18:46

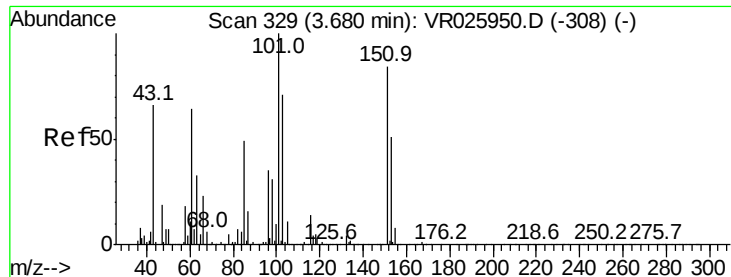
Tgt Ion: 101 Resp: 75651

Ion Ratio Lower Upper

101 100

103 71.1 22.1 33.1#





#10

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

Concen: 5.081 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

ClientSampleId :

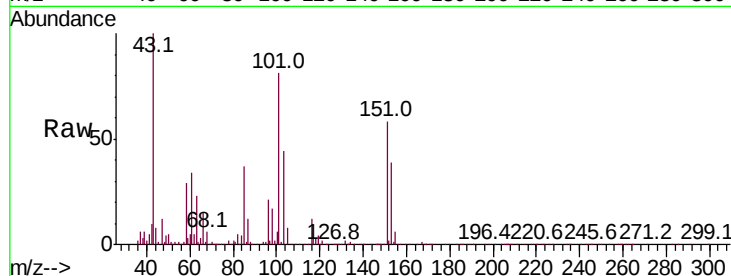
Tot Ion: 101 Resp: 169193

Ion Ratio Lower Upper

101 100

85 47.1 38.2 57.4

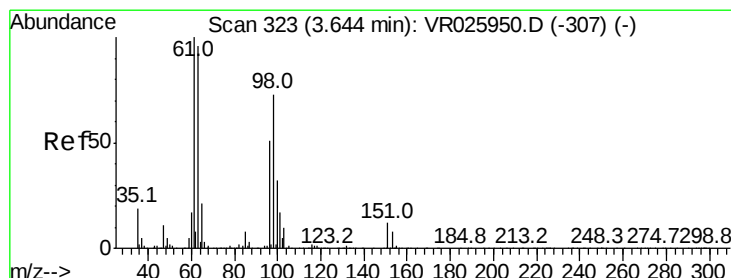
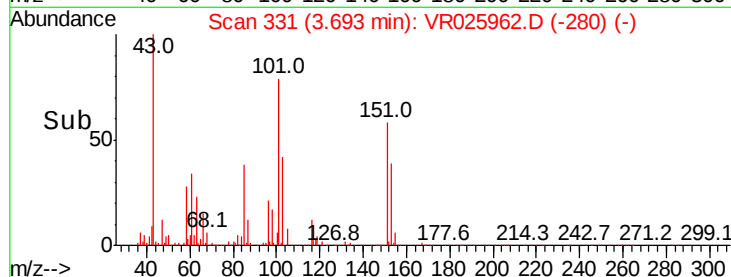
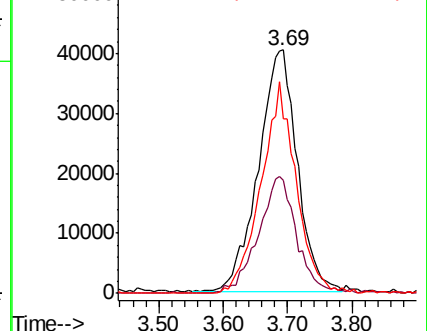
151 79.0 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.043 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

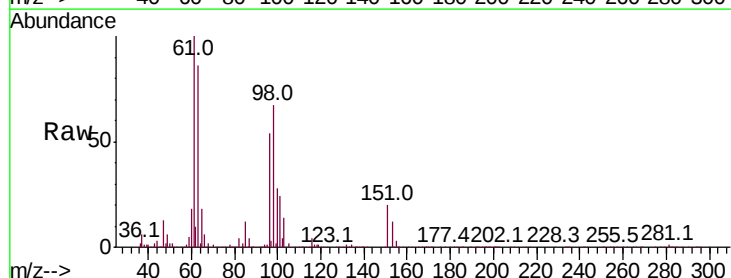
Tgt Ion: 96 Resp: 173613

Ion Ratio Lower Upper

96 100

61 183.9 145.0 269.4

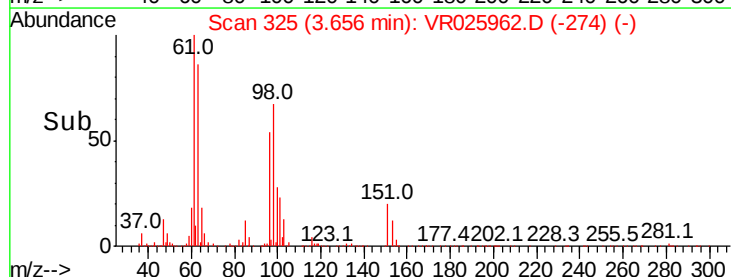
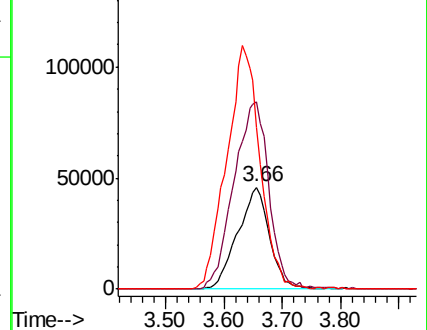
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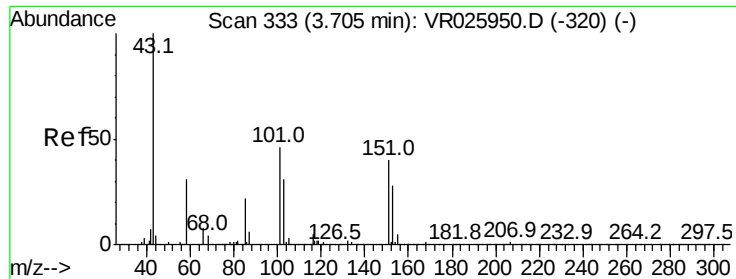


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 54.970 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

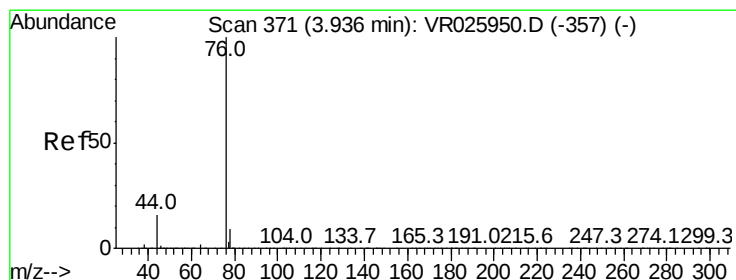
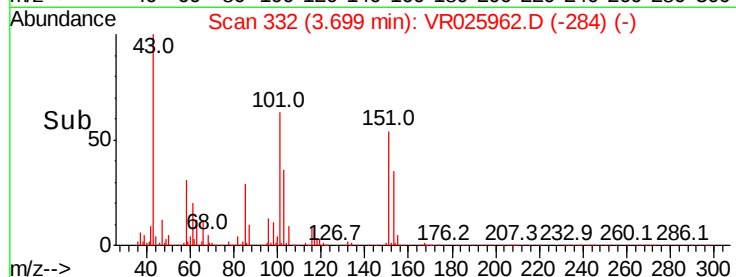
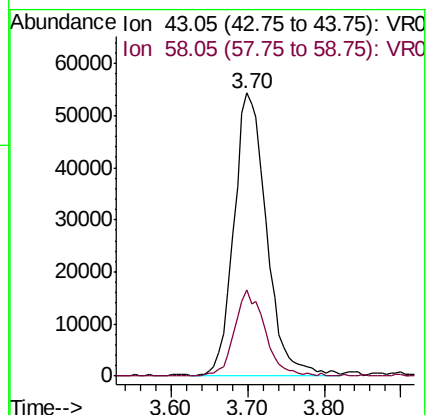
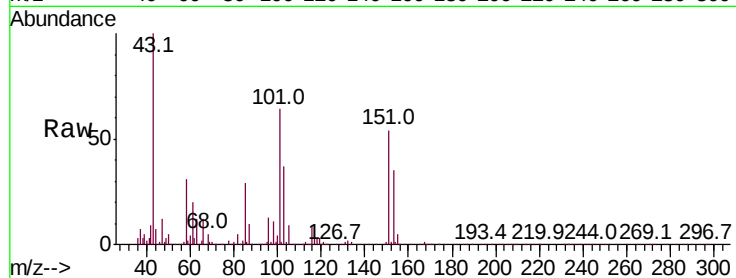
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 159748

Ion Ratio Lower Upper

43 100

58 28.5 0.0 51.4



#14

Carbon disulfide

Concen: 4.407 ug/L

RT: 3.95 min Scan# 373

Delta R.T. 0.01 min

Lab File: VR025962.D

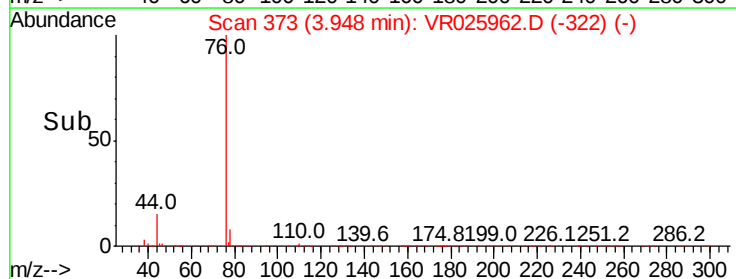
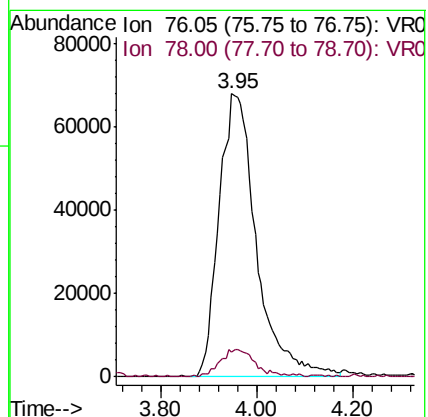
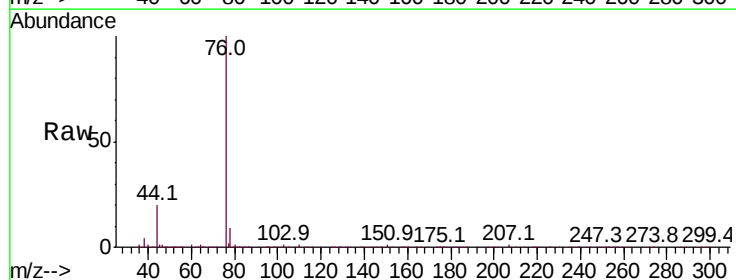
Acq: 5 Oct 2018 18:46

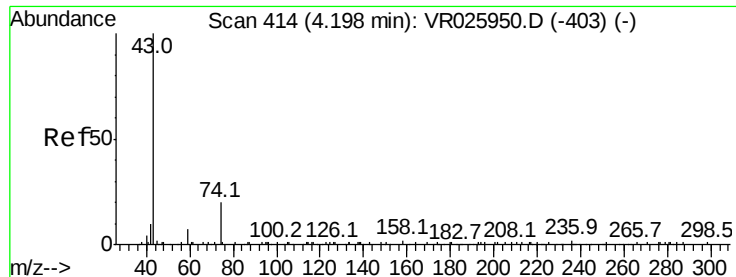
Tgt Ion: 76 Resp: 367325

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6





#15

Methyl Acetate

Concen: 5.017 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

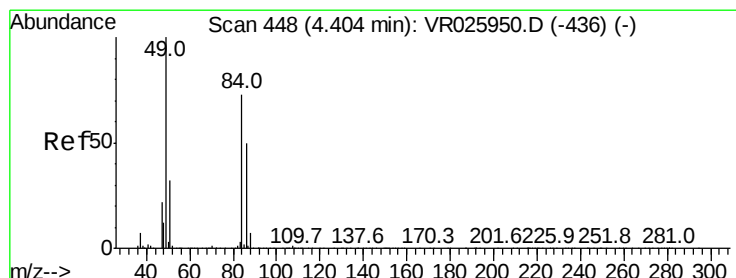
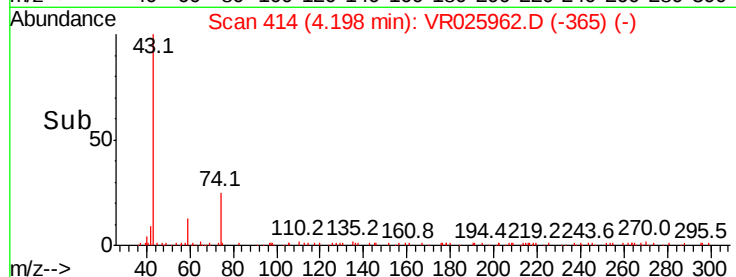
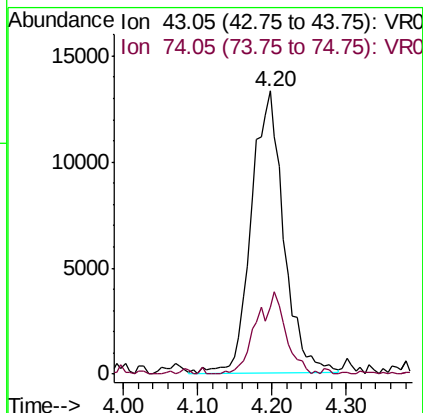
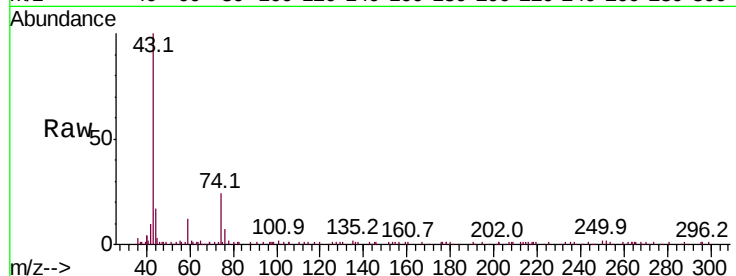
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 40428

Ion Ratio Lower Upper

43 100

74 26.5 19.0 28.4



#16

Methylene chloride

Concen: 4.953 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

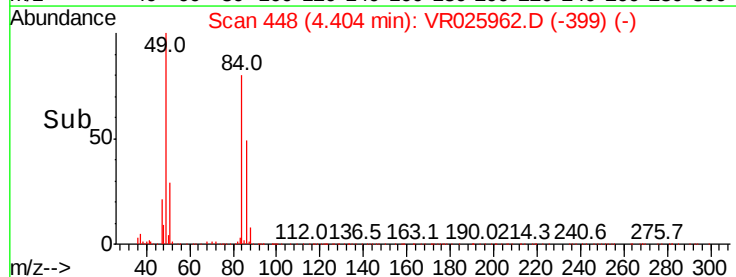
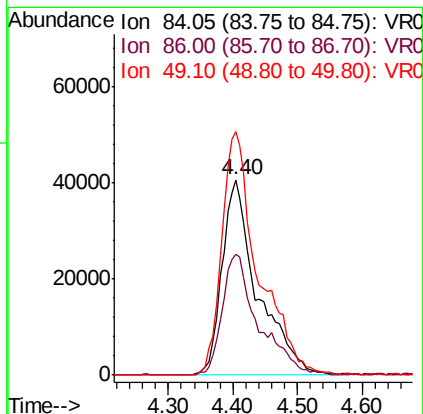
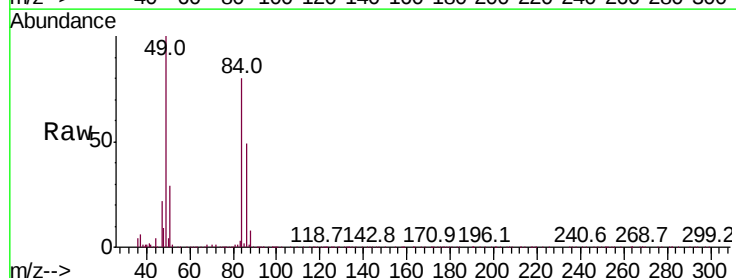
Tgt Ion: 84 Resp: 156794

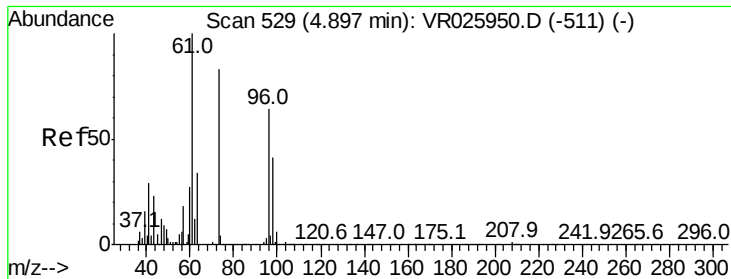
Ion Ratio Lower Upper

84 100

86 61.6 43.1 80.1

49 124.5 95.5 177.3





#17

Methvl tert-butvl Ether

Concen: 4.667 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

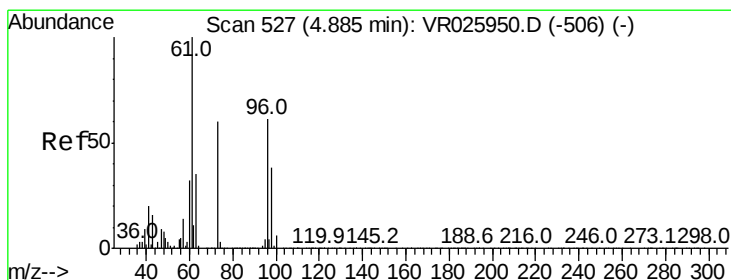
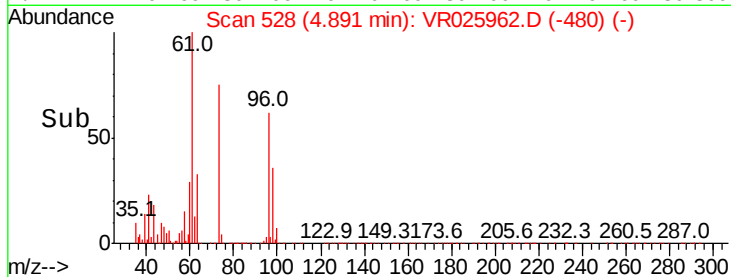
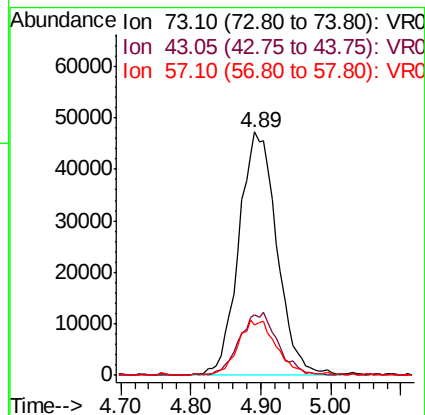
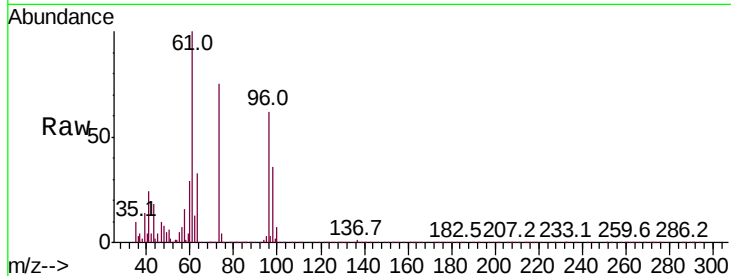
Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 177913

Ion	Ratio	Lower	Upper
73	100		
43	26.1	19.8	29.8
57	22.7	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.436 ug/L

RT: 4.89 min Scan# 527

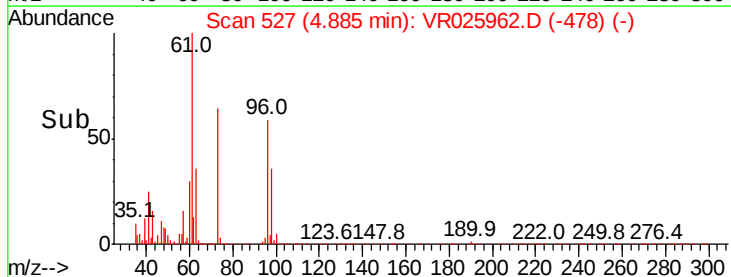
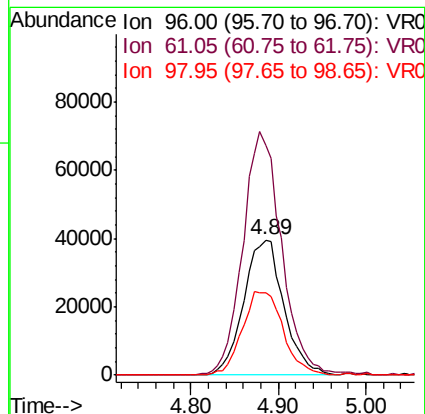
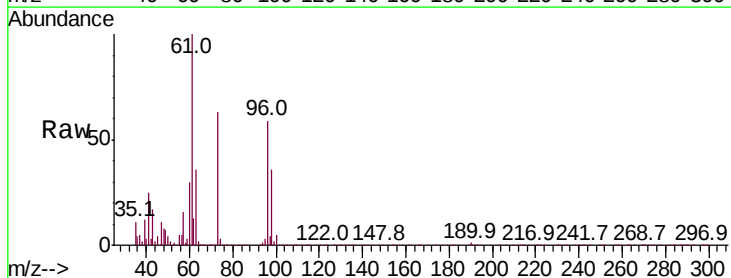
Delta R.T. 0.00 min

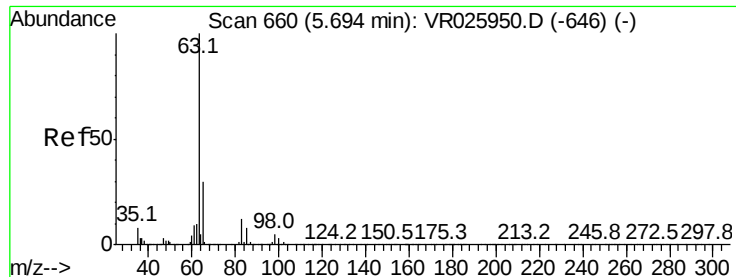
Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Tgt Ion: 96 Resp: 126311

Ion	Ratio	Lower	Upper
96	100		
61	169.8	127.4	236.6
98	61.2	43.8	81.3

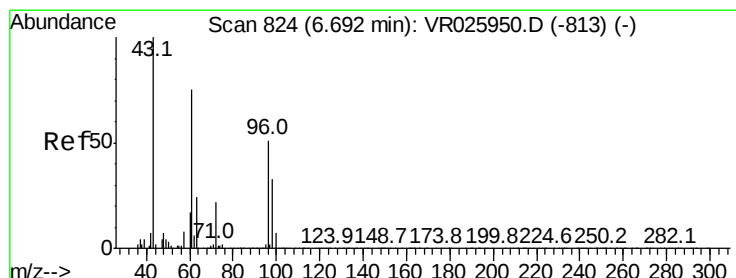
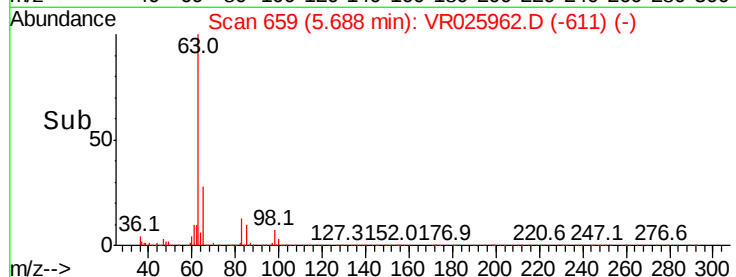
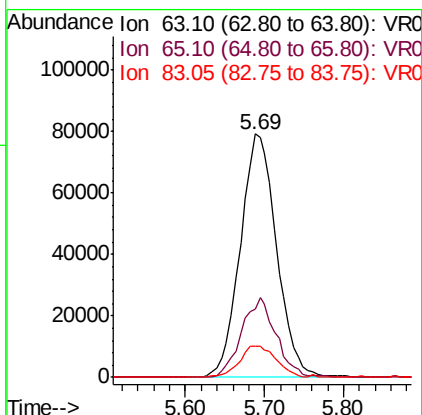
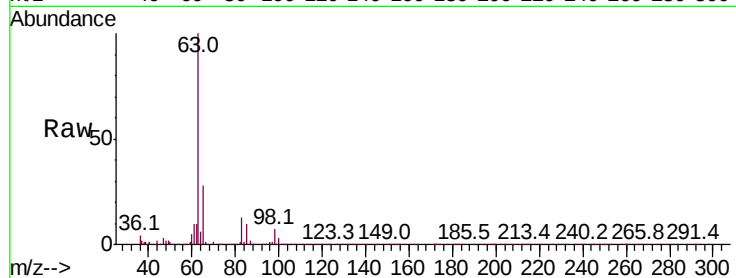




#19
 1,1-Dichloroethane
 Concen: 4.487 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

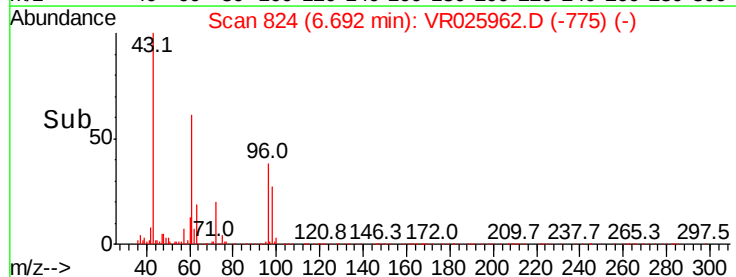
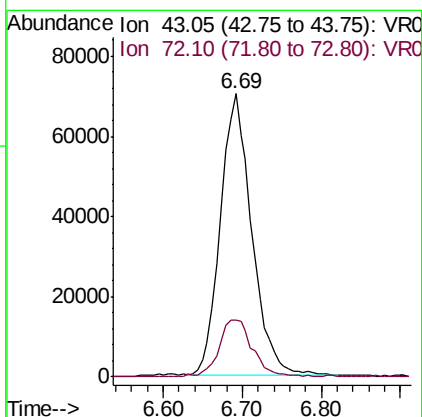
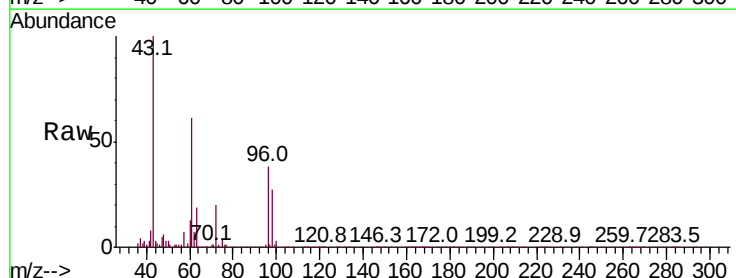
Instrument :
 MSVOA_R
 ClientSampleId :

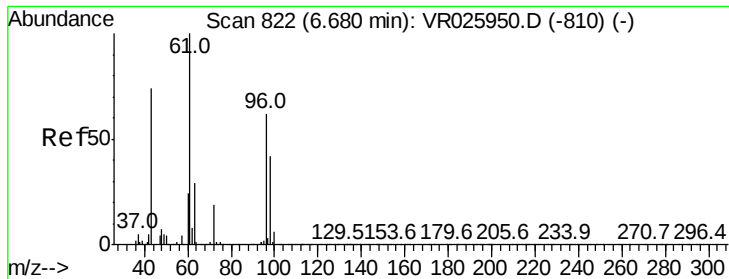
Tot Ion: 63 Resp: 252984
 Ion Ratio Lower Upper
 63 100
 65 27.8 21.1 39.1
 83 12.7 8.9 16.5



#21
 2-Butanone
 Concen: 48.361 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion: 43 Resp: 193308
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.9 35.7



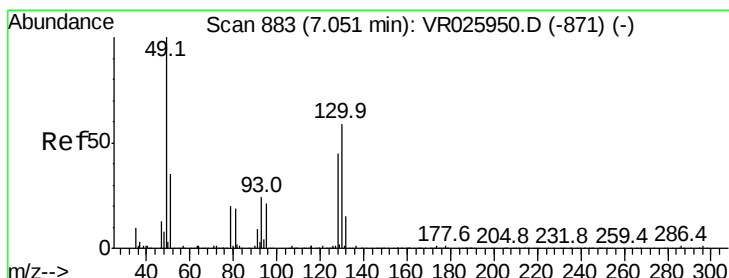
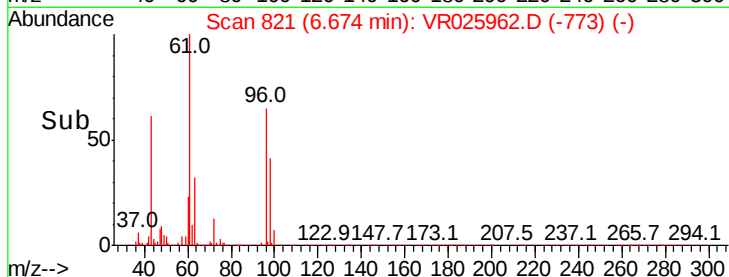
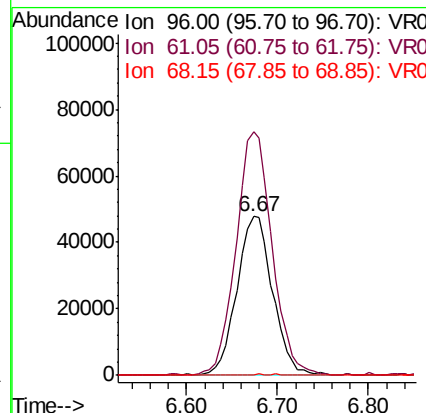
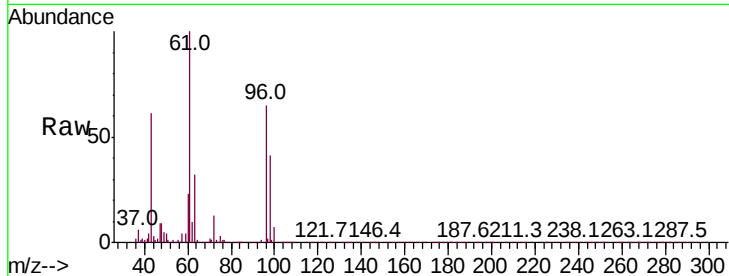


#22

cis-1,2-Dichloroethene
 Concen: 4.516 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Instrument :
 MSVOA_R
 ClientSampleId :

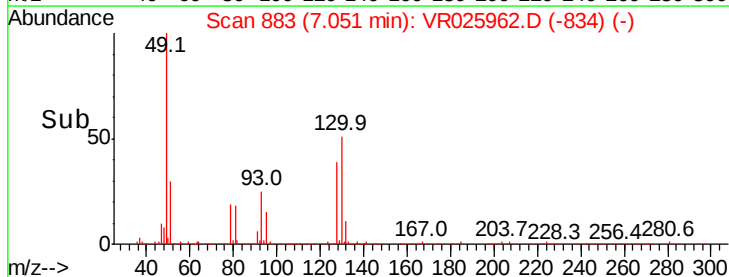
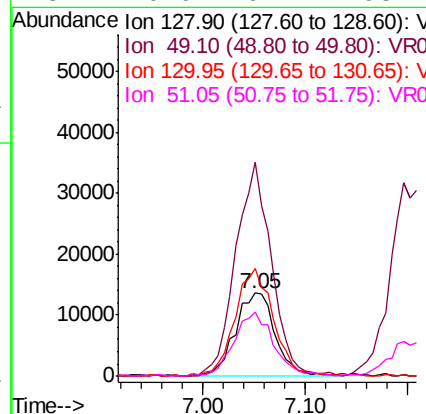
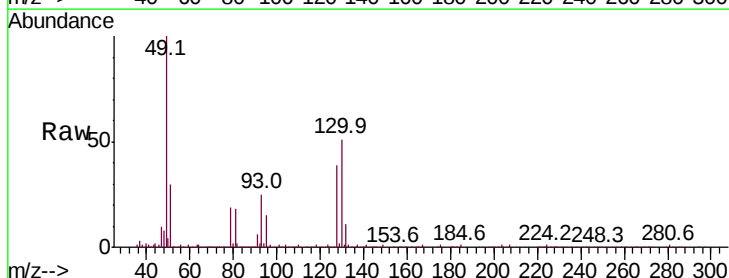
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	108.7	201.9
68	0.0	0.1	0.1#

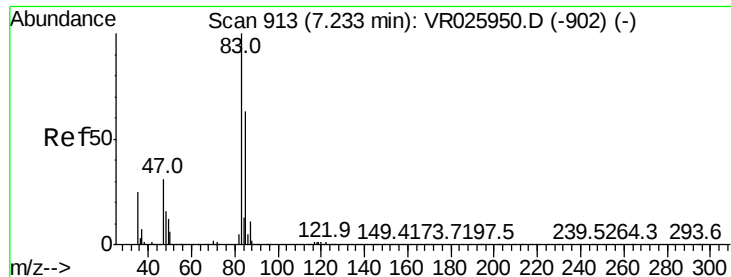


#23

Bromochloromethane
 Concen: 4.724 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	258.3	175.0	325.0
130	130.7	85.6	159.0
51	76.9	62.2	93.2

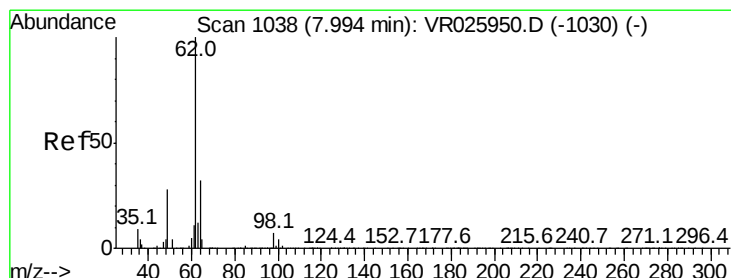
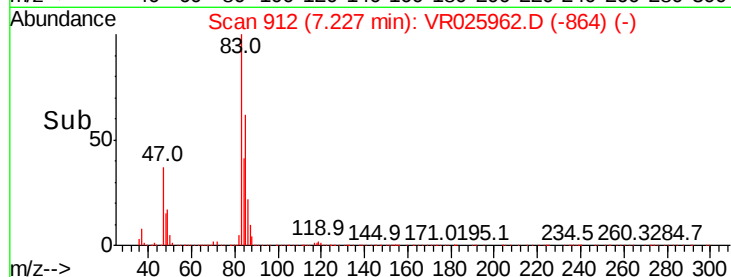
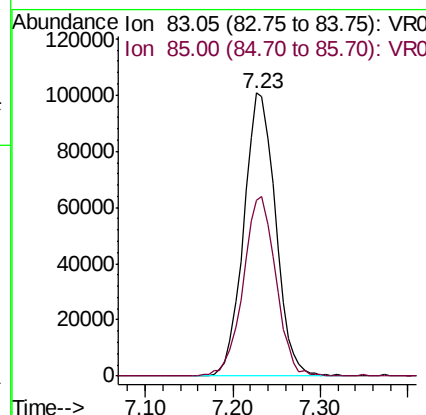
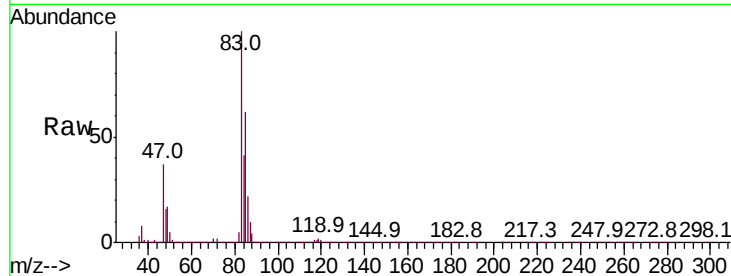




#25
Chloroform
Concen: 4.627 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

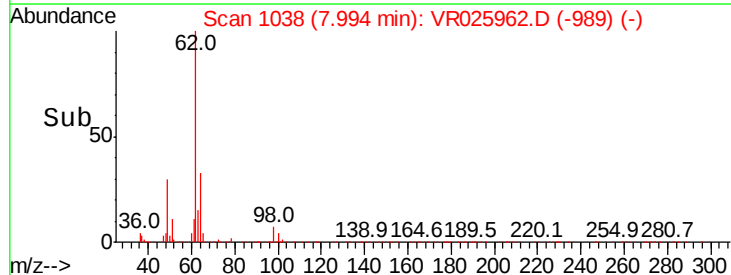
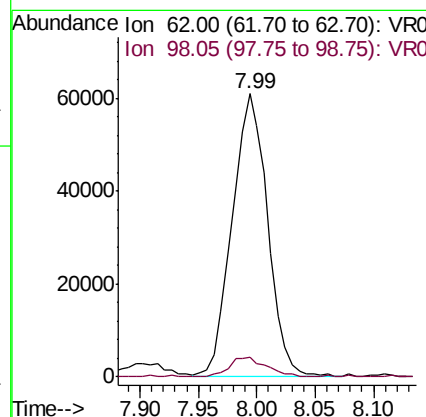
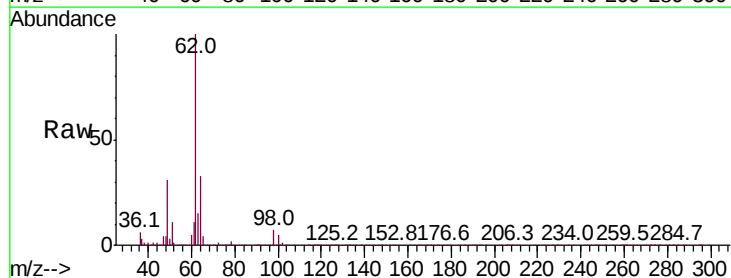
Instrument :
MSVOA_R
ClientSampled :

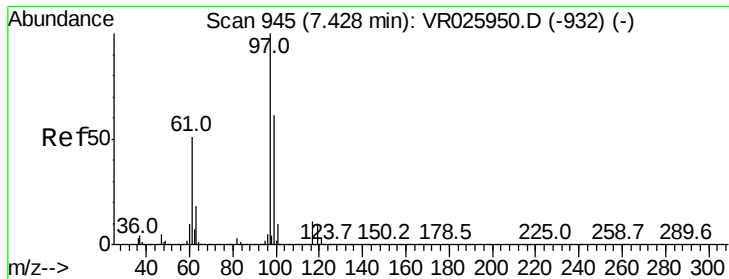
Tot Ion: 83 Resp: 254029
Ion Ratio Lower Upper
83 100
85 62.0 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.667 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

Tgt Ion: 62 Resp: 127846
Ion Ratio Lower Upper
62 100
98 6.8 5.2 7.8

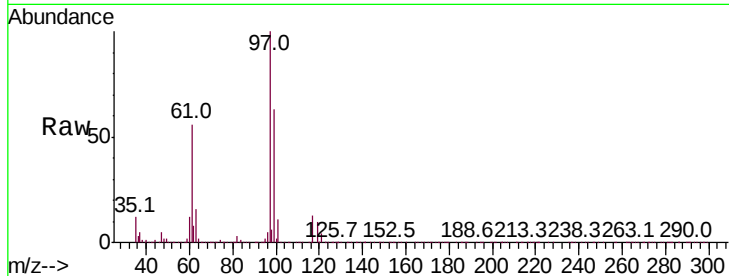




#29
 1,1,1-Trichloroethane
 Concen: 4.526 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	56.4	41.6	62.4

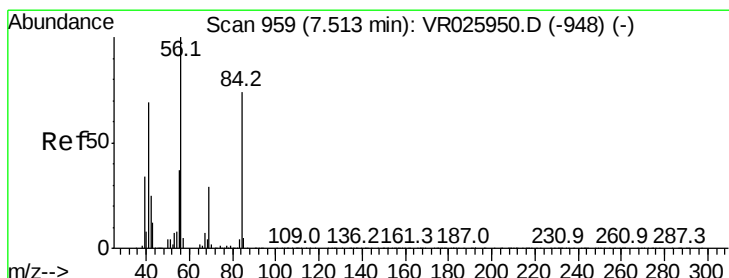
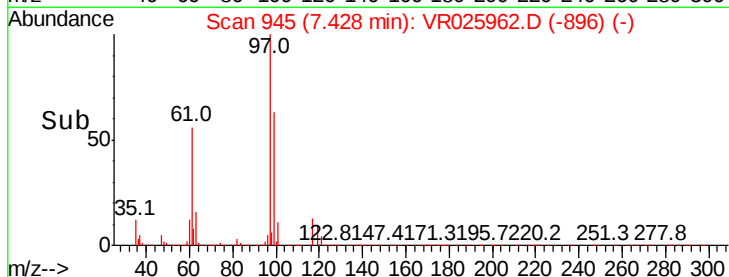
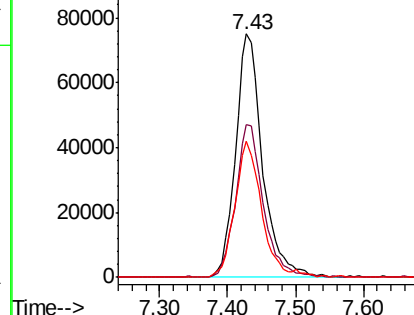


Abundance

Ion 96.95 (96.65 to 97.65): VR0

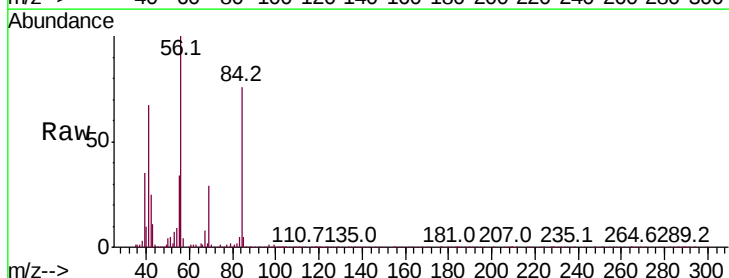
Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30
 Cyclohexane
 Concen: 3.966 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.8	37.2
84	76.5	59.8	89.8

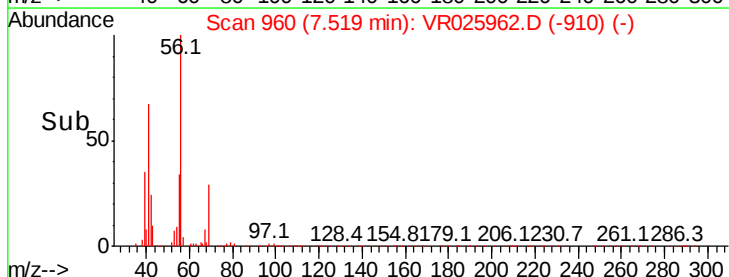
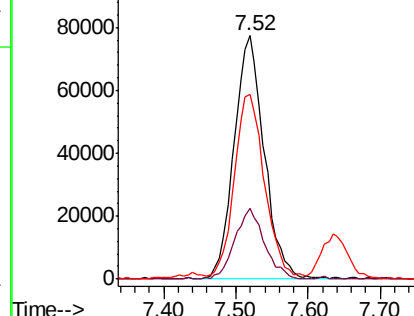


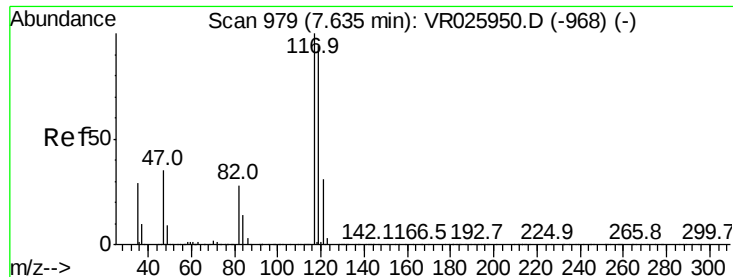
Abundance

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

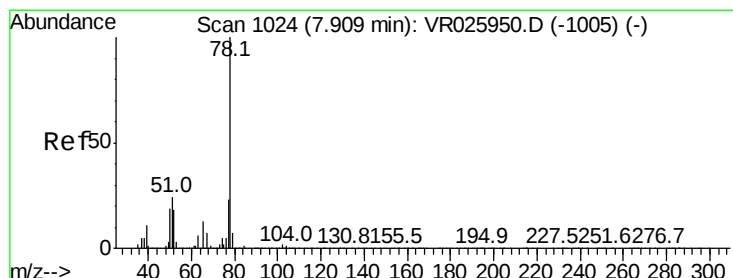
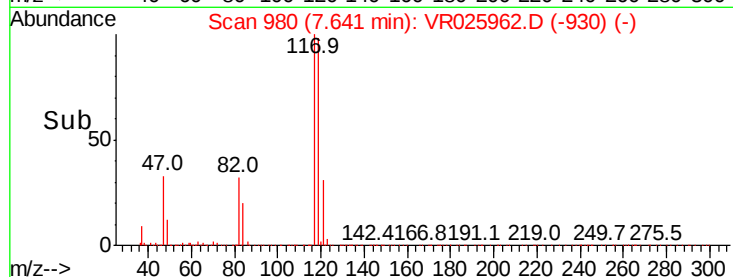
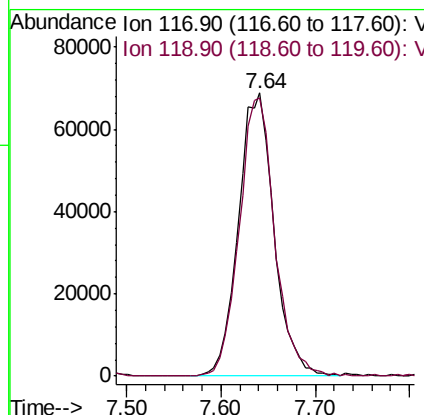
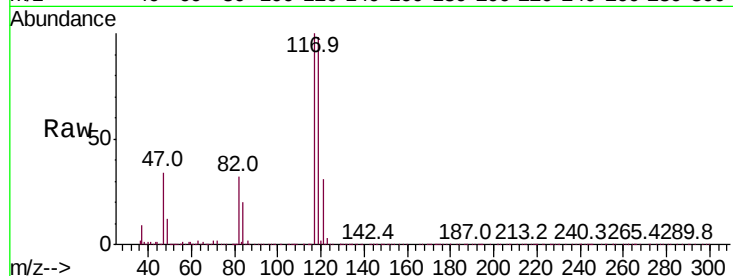




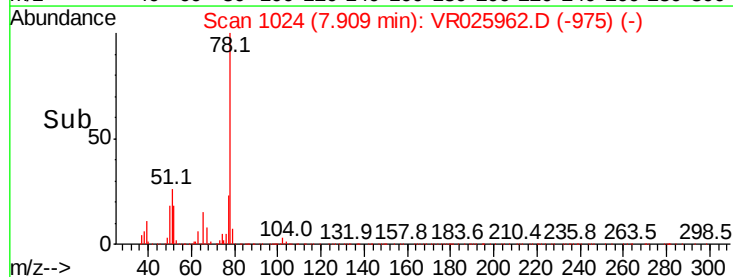
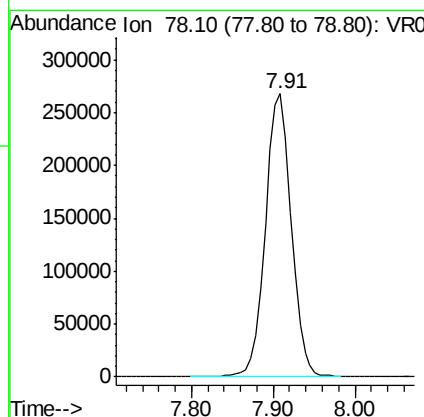
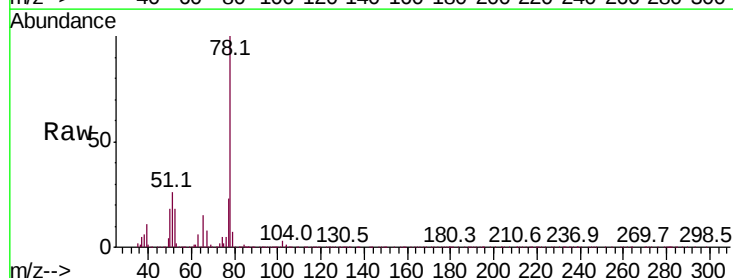
#31
Carbon tetrachloride
Concen: 4.621 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

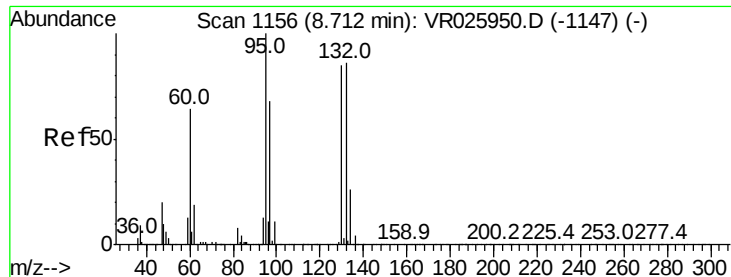
Instrument :
MSVOA_R
ClientSampled :

Tot Ion:117 Resp: 180826
Ion Ratio Lower Upper
117 100
119 98.2 75.6 113.4



#33
Benzene
Concen: 4.386 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46
Tgt Ion: 78 Resp: 591126

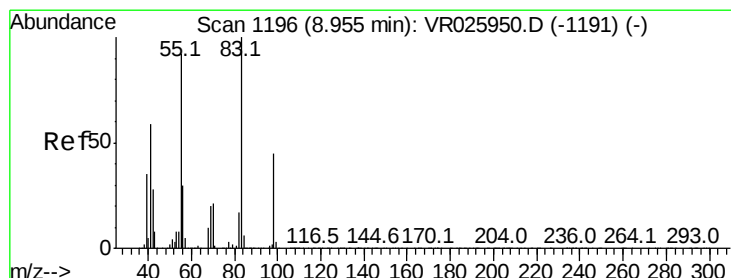
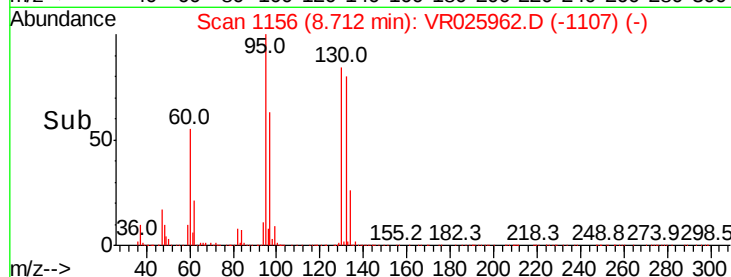
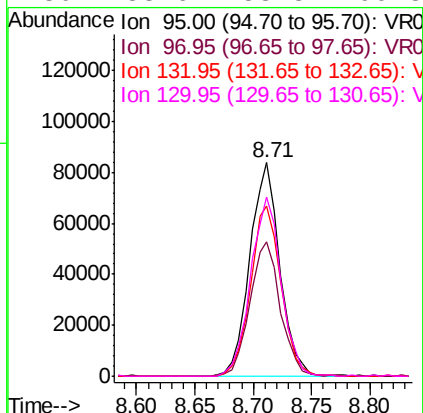
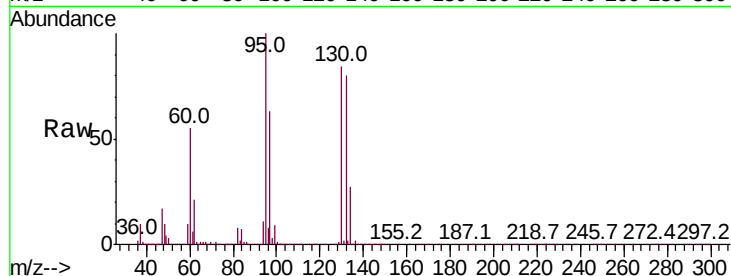




#34
 Trichloroethene
 Concen: 4.222 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

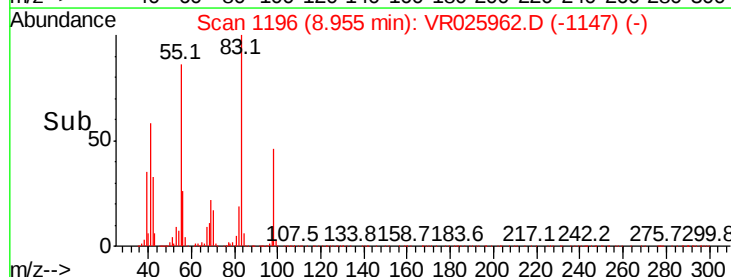
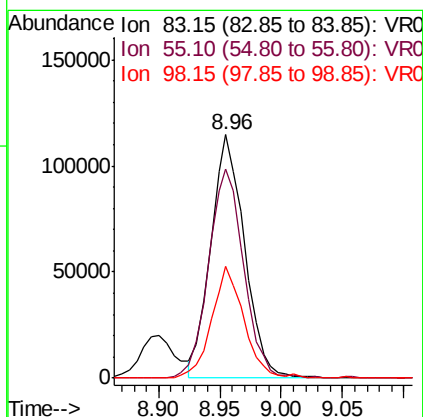
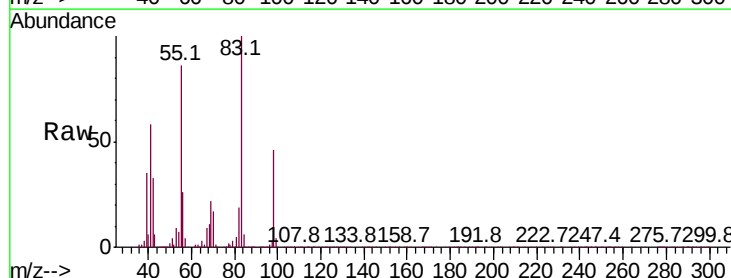
Instrument :
 MSVOA_R
 ClientSampleID :

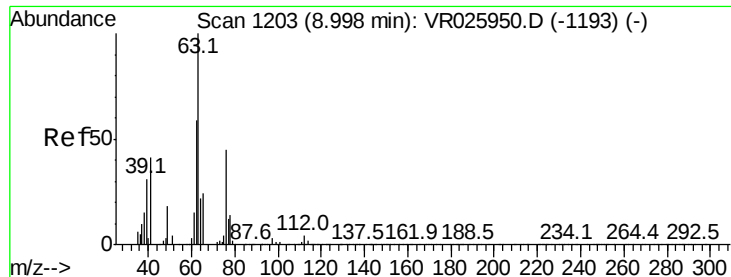
Tot Ion:	95	Resp:	149935
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.9	81.5
132	79.7	53.3	98.9
130	83.6	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.104 ug/L
 RT: 8.96 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion:	83	Resp:	219121
Ion	Ratio	Lower	Upper
83	100		
55	89.8	71.8	107.6
98	44.2	34.2	51.4

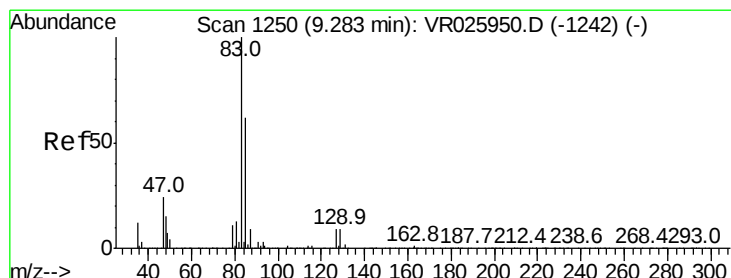
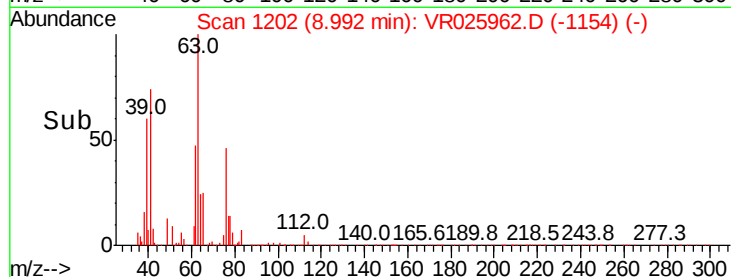
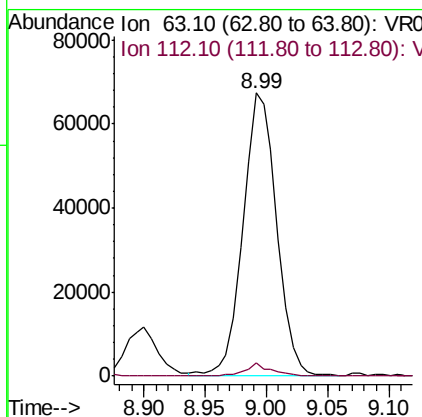
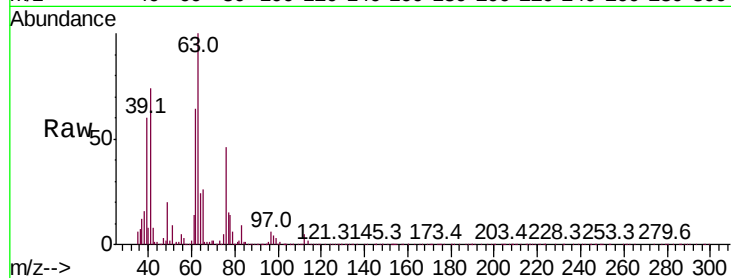




#37
1,2-Dichloropropane
Concen: 4.432 ug/L
RT: 8.99 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

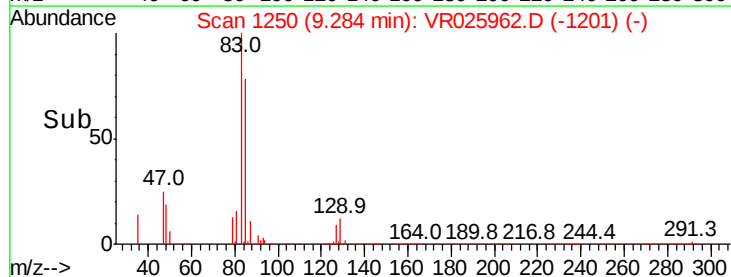
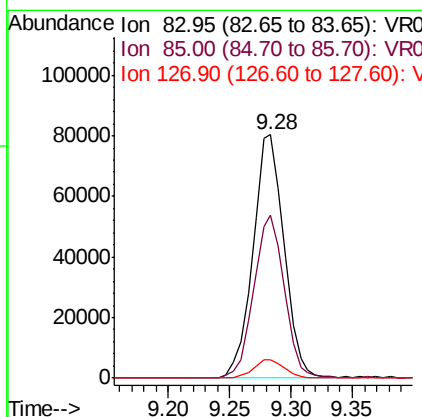
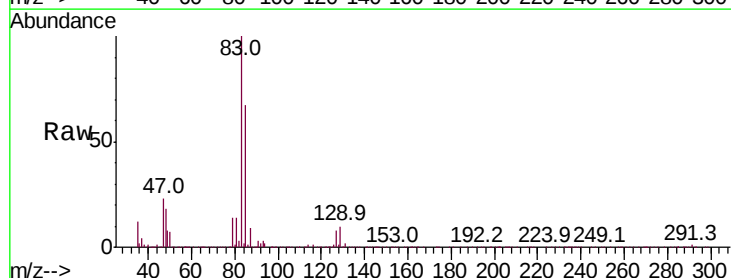
Instrument :
MSVOA_R
ClientSampleId :

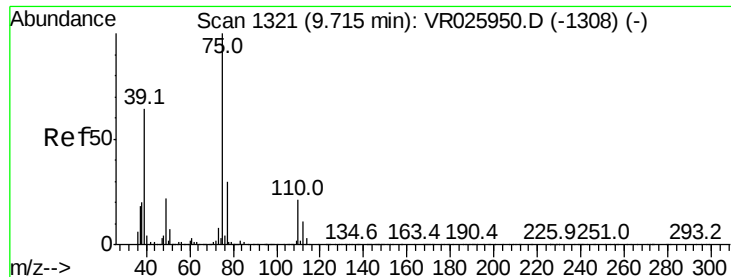
Tot Ion: 63 Resp: 128148
Ion Ratio Lower Upper
63 100
112 3.6 2.5 3.7



#38
Bromodichloromethane
Concen: 4.562 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

Tgt Ion: 83 Resp: 142297
Ion Ratio Lower Upper
83 100
85 66.7 42.8 79.4
127 7.6 5.6 8.4

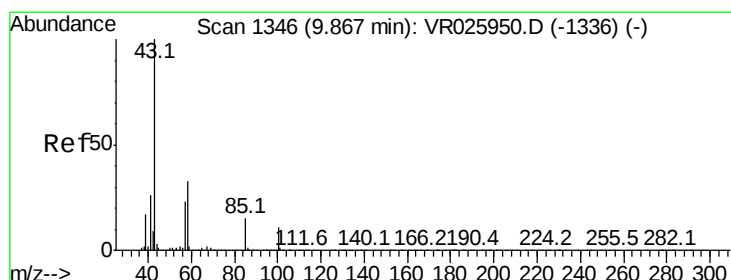
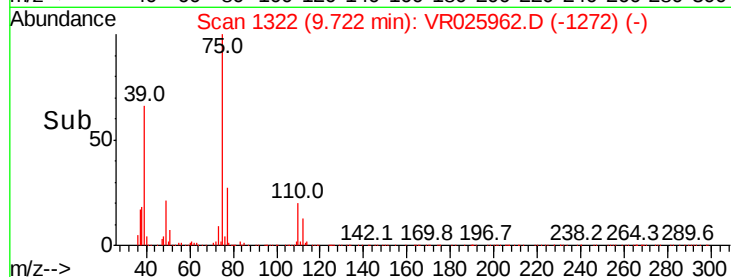
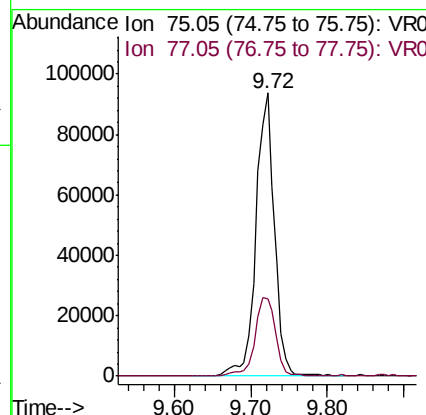
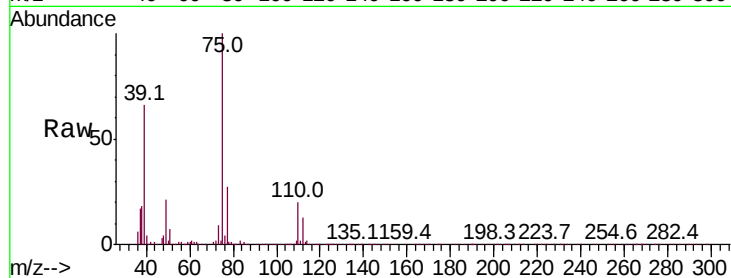




#39
 cis-1,3-Dichloropropene
 Concen: 4.864 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

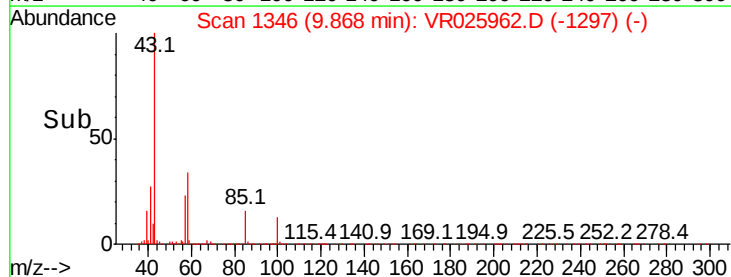
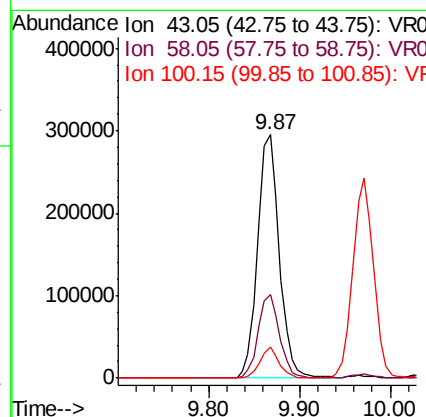
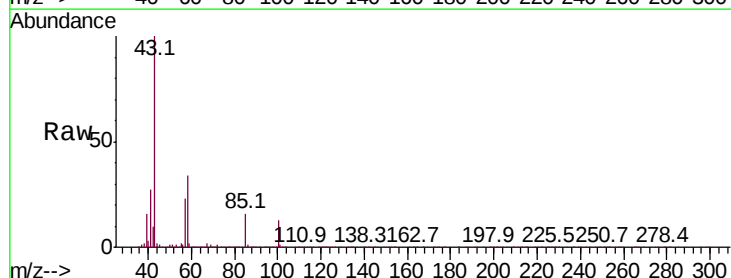
Instrument :
 MSVOA_R
 ClientSampleId :

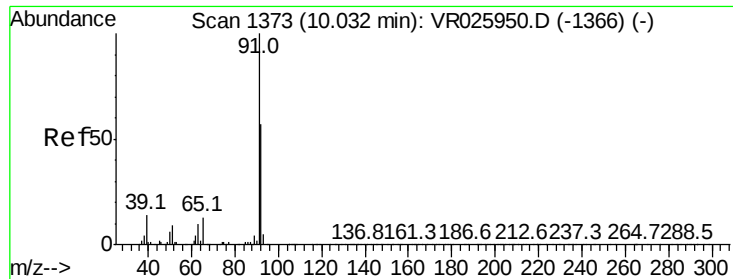
Tot Ion: 75 Resp: 157673
 Ion Ratio Lower Upper
 75 100
 77 27.1 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 48.180 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion: 43 Resp: 489833
 Ion Ratio Lower Upper
 43 100
 58 33.8 28.6 43.0
 100 11.2 9.0 13.4





#42

Toluene

Concen: 4.472 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

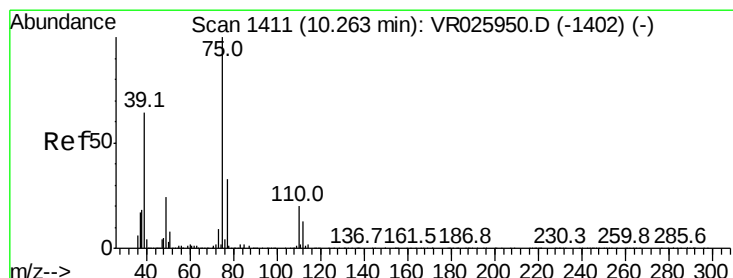
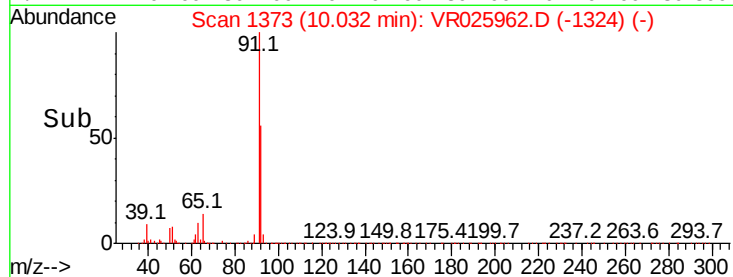
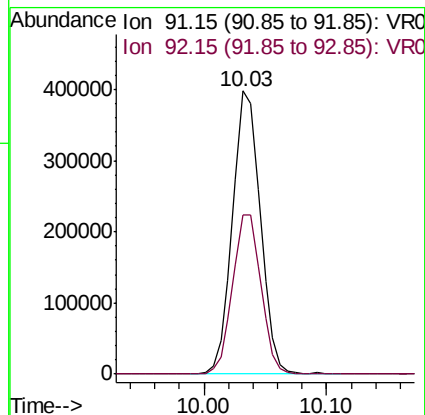
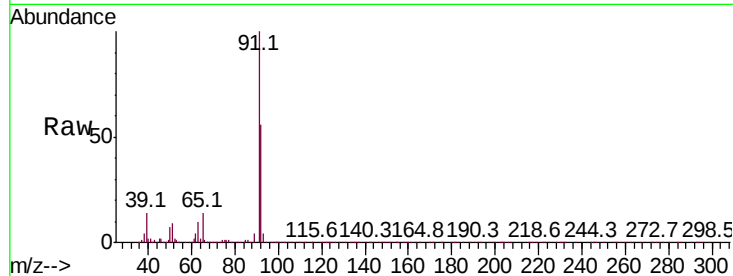
ClientSampleId :

Tot Ion: 91 Resp: 626272

Ion Ratio Lower Upper

91 100

92 56.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025962.D

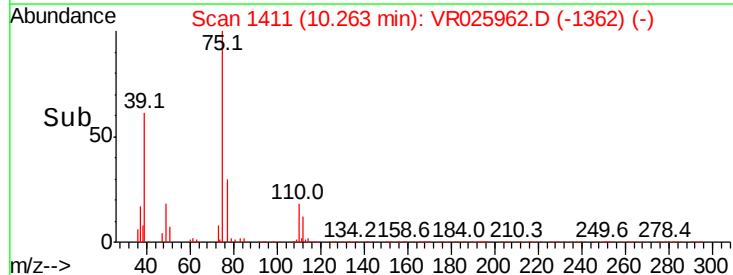
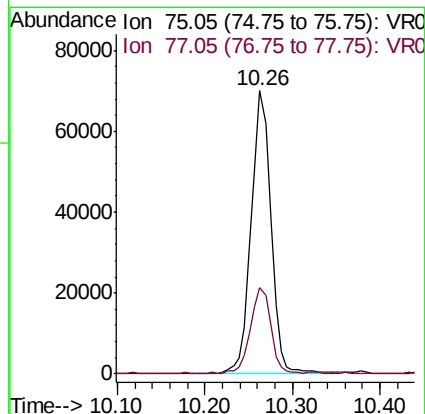
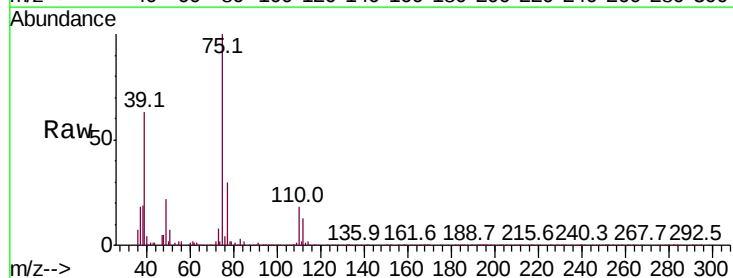
Acq: 5 Oct 2018 18:46

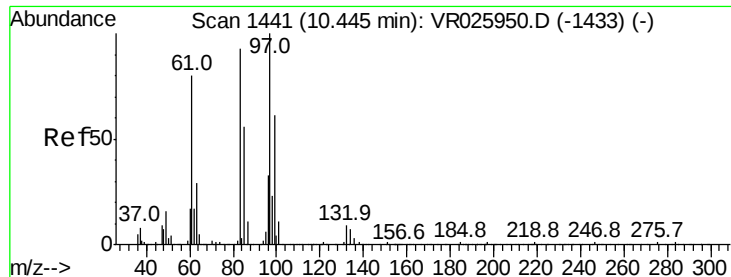
Tgt Ion: 75 Resp: 110129

Ion Ratio Lower Upper

75 100

77 30.3 23.0 42.8

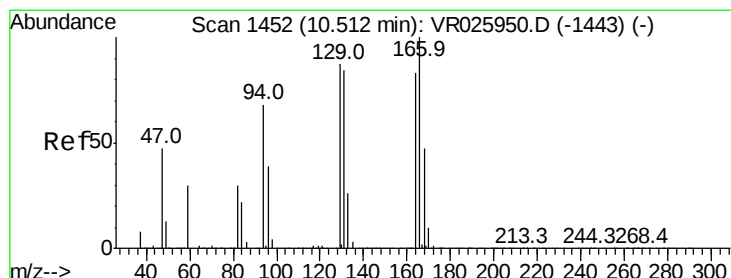
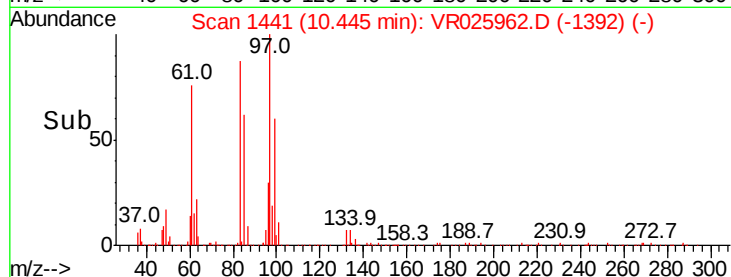
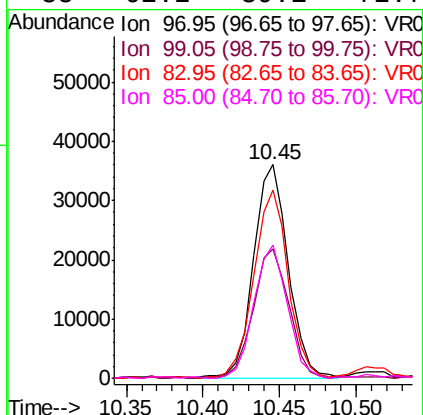
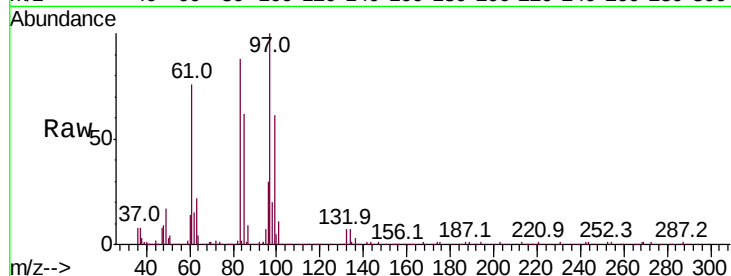




#45
 1,1,2-Trichloroethane
 Concen: 4.344 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

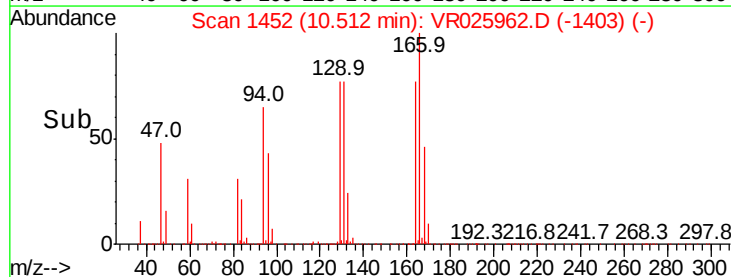
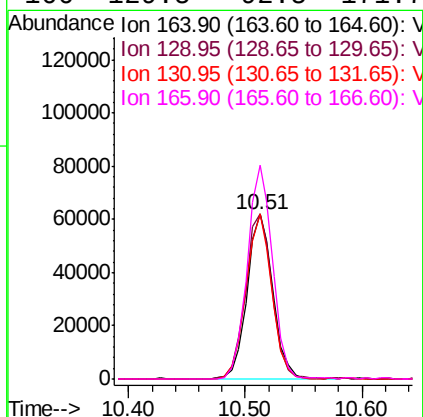
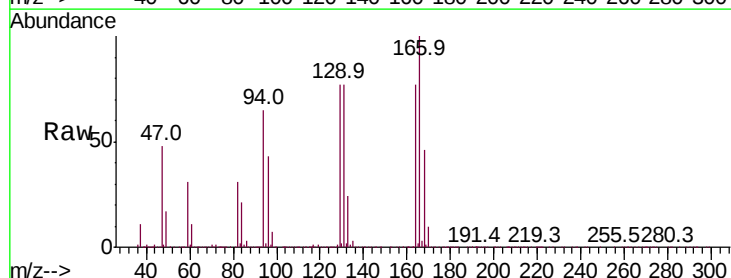
Instrument :
 MSVOA_R
 ClientSampled :

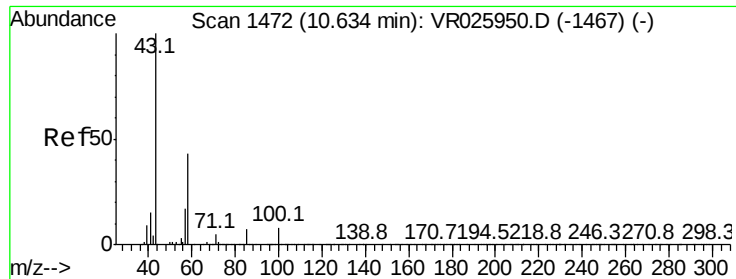
Tot Ion:	97	Resp:	56807
Ion	Ratio	Lower	Upper
97	100		
99	60.8	39.6	73.6
83	87.9	62.2	115.6
85	62.2	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.357 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion:	164	Resp:	95338
Ion	Ratio	Lower	Upper
164	100		
129	100.1	80.8	150.2
131	99.8	74.5	138.3
166	129.5	92.5	171.7

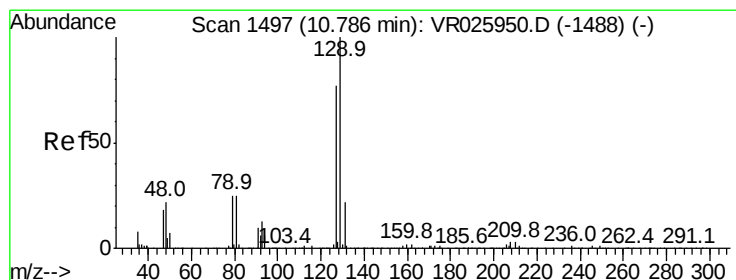
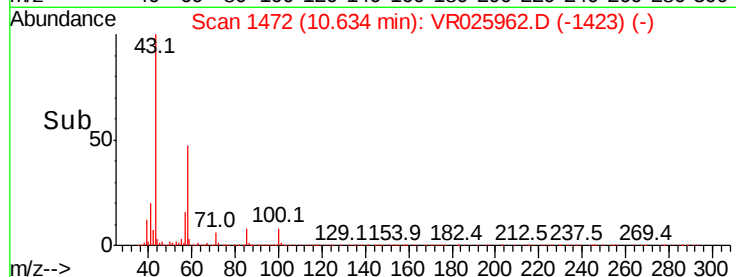
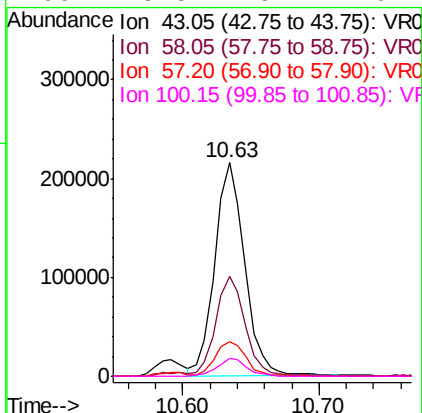
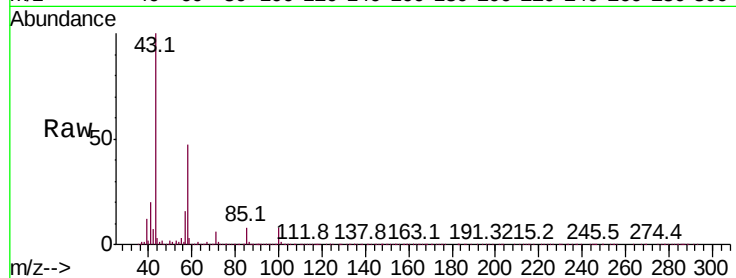




#48
2-Hexanone
Concen: 49.151 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

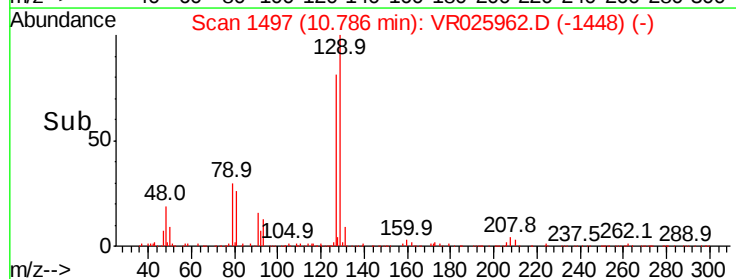
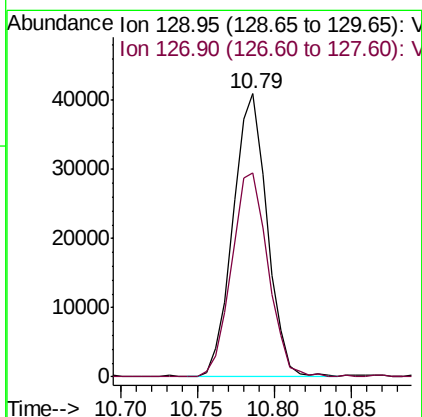
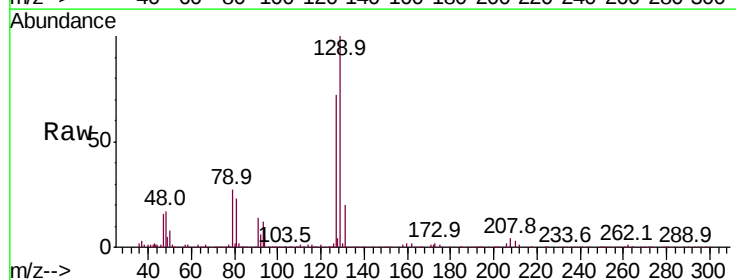
Instrument :
MSVOA_R
ClientSampleId :

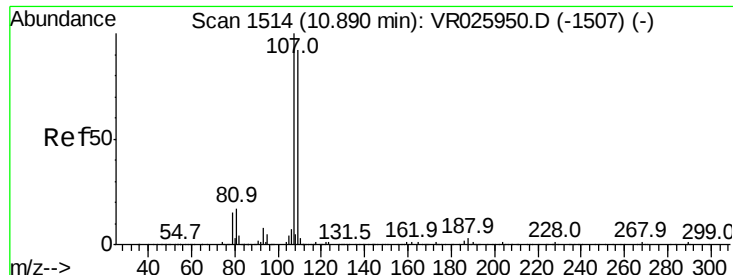
Tot Ion:	43	Resp:	327169
Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.5	59.3
57	16.5	14.6	21.8
100	8.5	6.7	10.1



#49
Dibromochloromethane
Concen: 4.763 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

Tgt Ion:	129	Resp:	63212
Ion	Ratio	Lower	Upper
129	100		
127	71.9	54.1	100.5

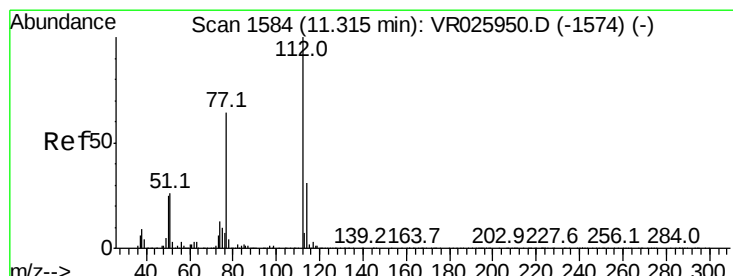
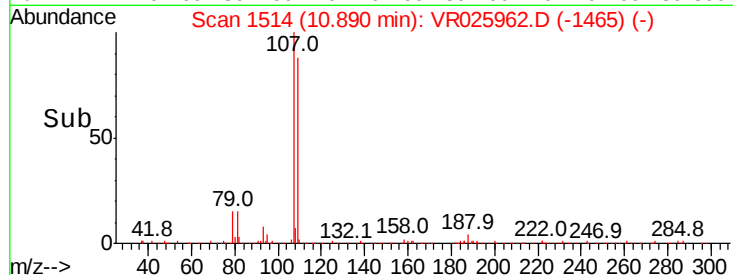
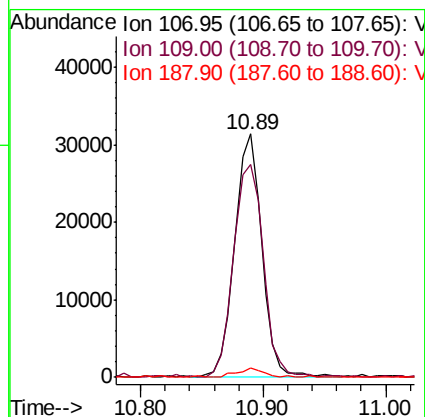
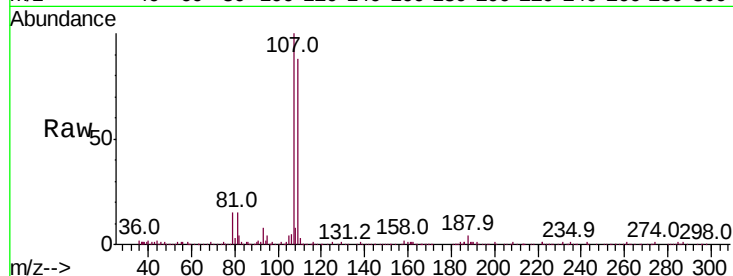




#50
1,2-Dibromoethane
Concen: 4.641 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

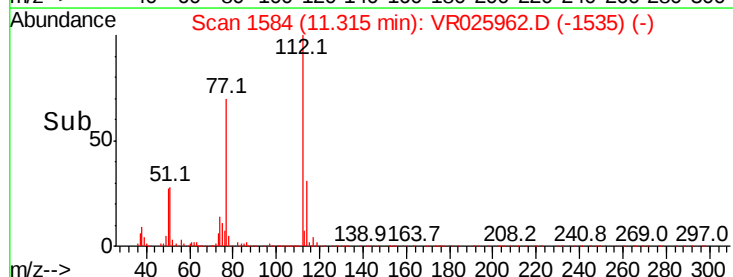
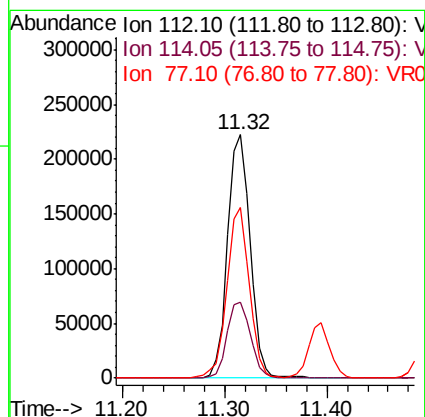
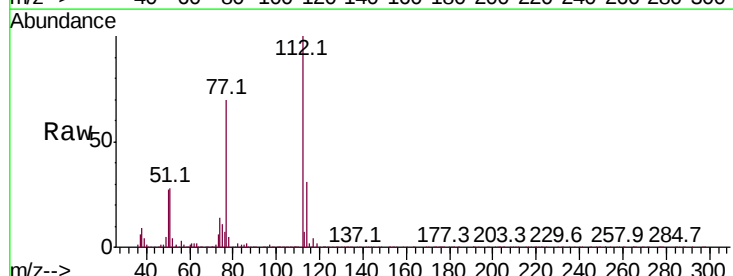
Instrument :
MSVOA_R
ClientSampleId :

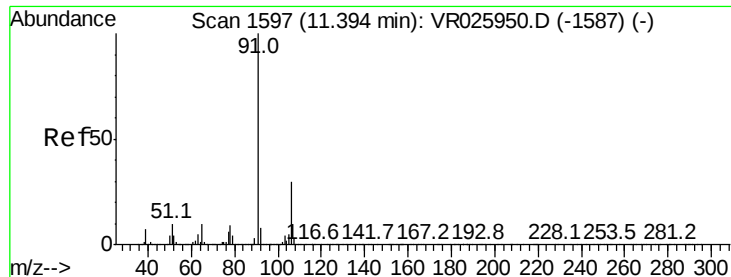
Tot Ion:107 Resp: 47893
Ion Ratio Lower Upper
107 100
109 87.6 63.5 117.9
188 3.7 1.7 2.5#



#51
Chlorobenzene
Concen: 4.585 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

Tgt Ion:112 Resp: 340582
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.3
77 70.2 58.5 87.7





#52

Ethylbenzene

Concen: 4.617 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

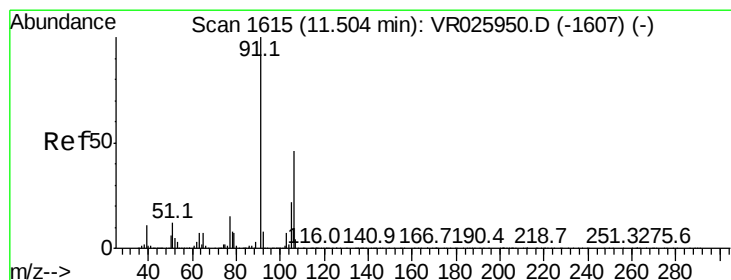
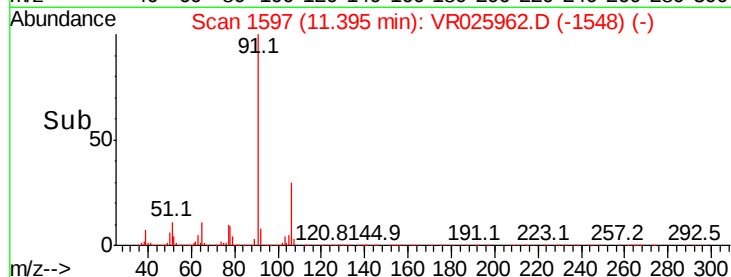
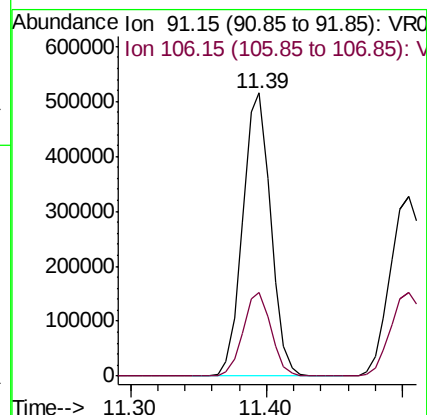
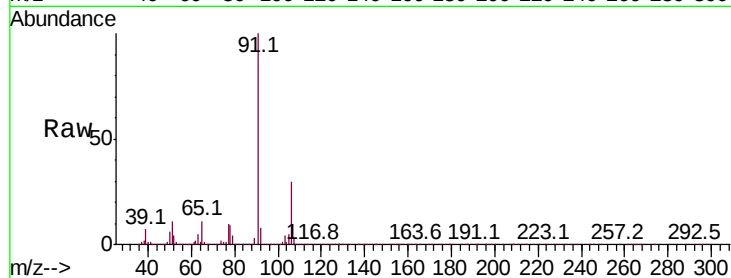
ClientSampled :

Tot Ion: 91 Resp: 738042

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



#53

m,p-Xylene

Concen: 4.625 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025962.D

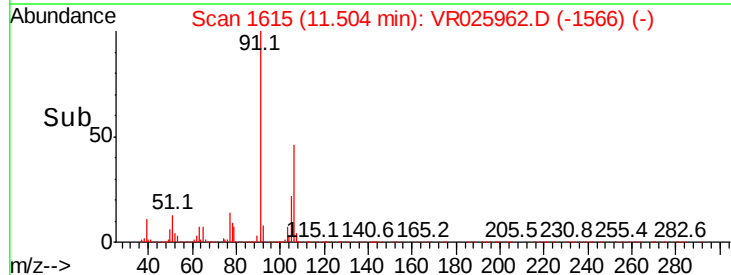
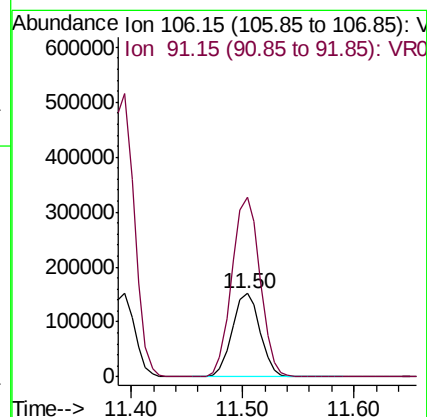
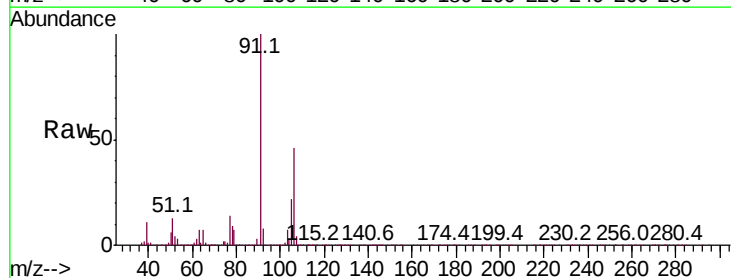
Acq: 5 Oct 2018 18:46

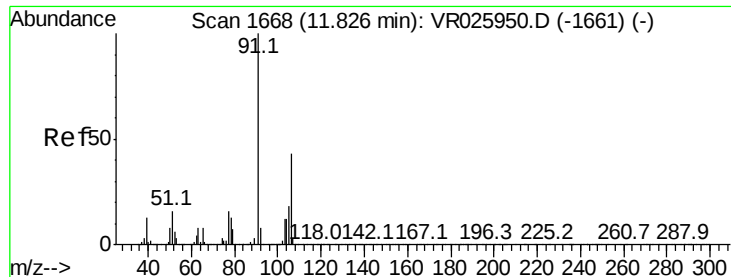
Tgt Ion: 106 Resp: 263167

Ion Ratio Lower Upper

106 100

91 215.2 159.7 296.5

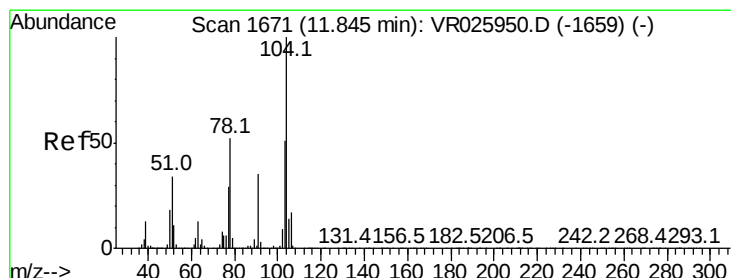
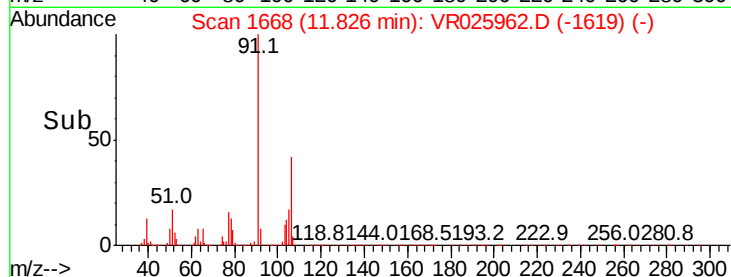
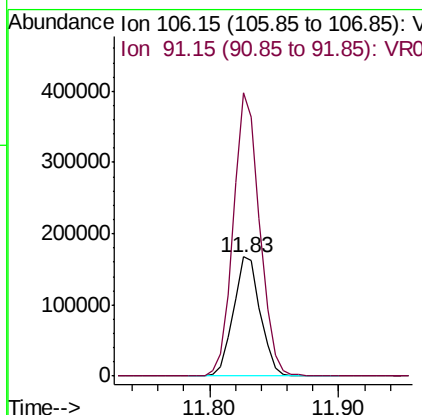
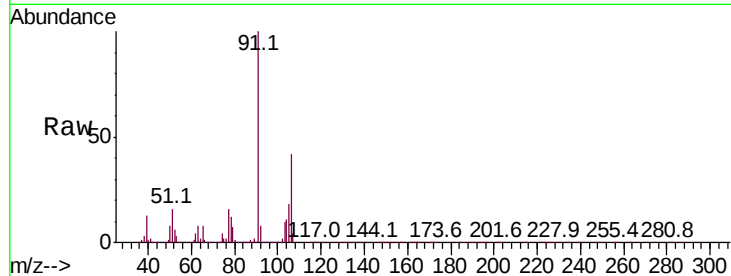




#54
o-Xylene
Concen: 4.609 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

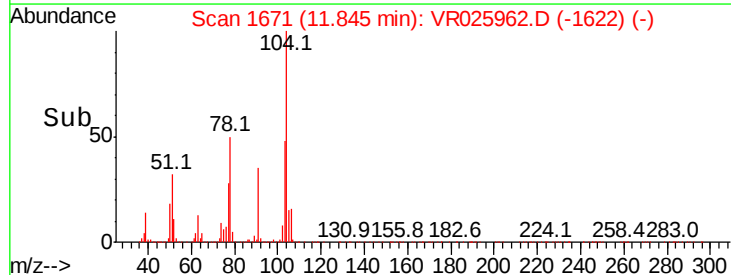
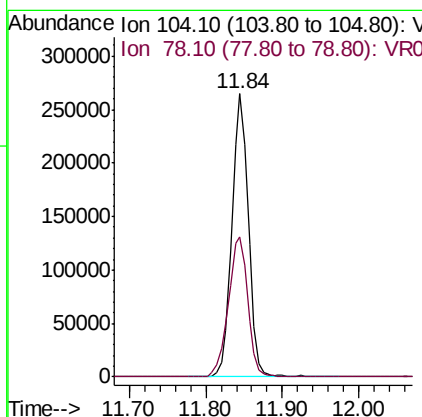
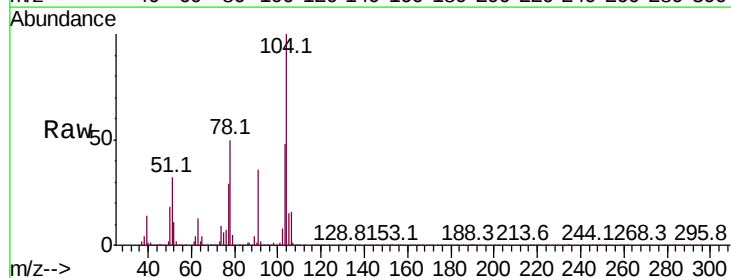
Instrument :
MSVOA_R
ClientSampled :

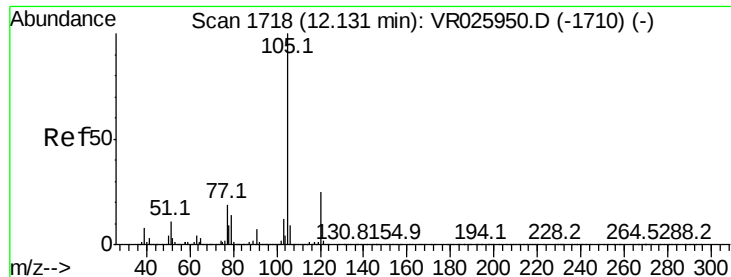
Tot Ion:106 Resp: 244138
Ion Ratio Lower Upper
106 100
91 237.6 164.5 305.5



#55
Styrene
Concen: 4.778 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025962.D
Acq: 5 Oct 2018 18:46

Tgt Ion:104 Resp: 393910
Ion Ratio Lower Upper
104 100
78 49.6 39.3 72.9





#56

Isopropylbenzene

Concen: 4.728 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

ClientSampled :

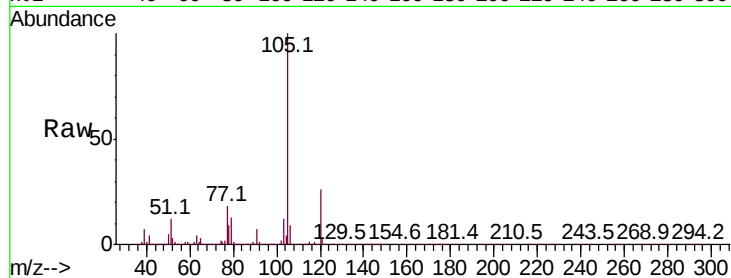
Tot Ion:105 Resp: 690794

Ion Ratio Lower Upper

105 100

120 25.7 19.8 29.8

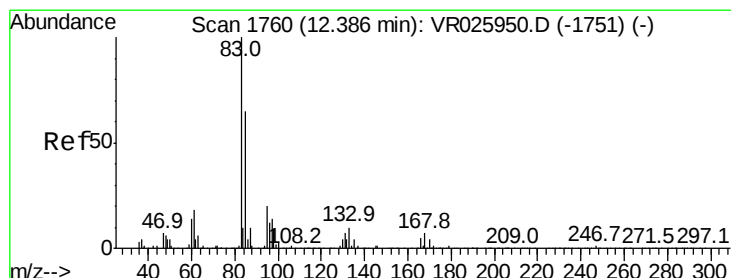
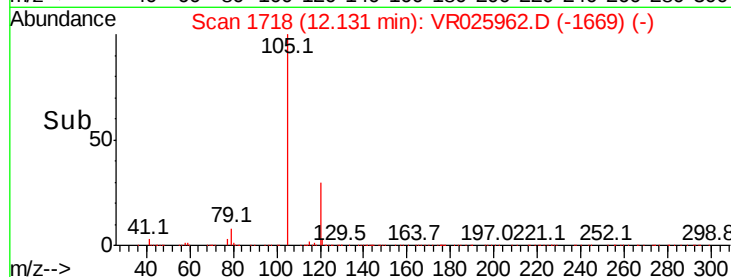
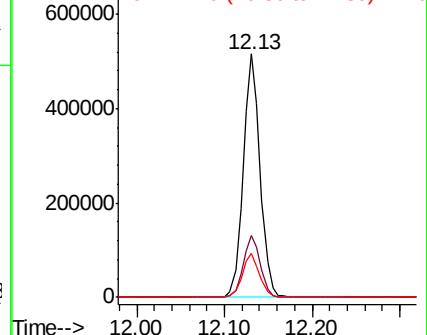
77 18.4 15.5 23.3



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: 4.611 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

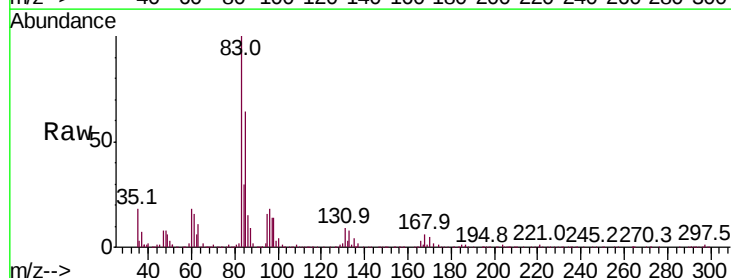
Tgt Ion: 83 Resp: 58106

Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.0

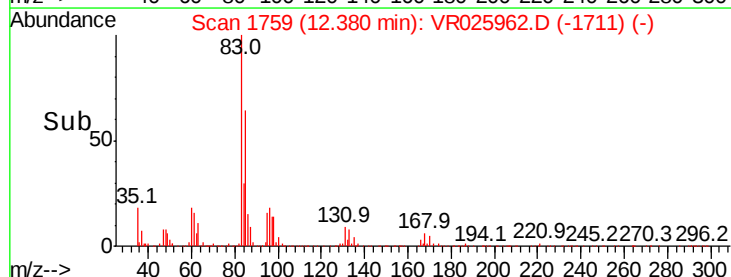
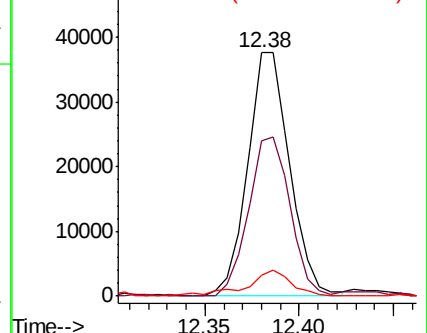
131 8.7 6.6 9.8

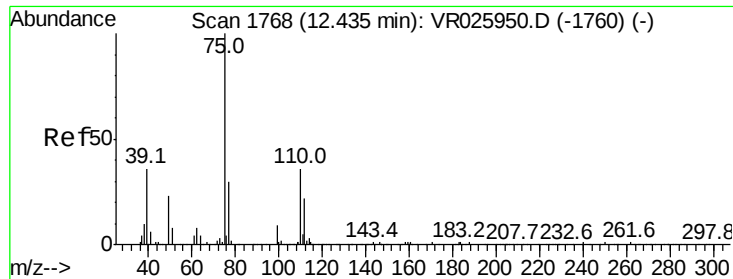


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.753 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

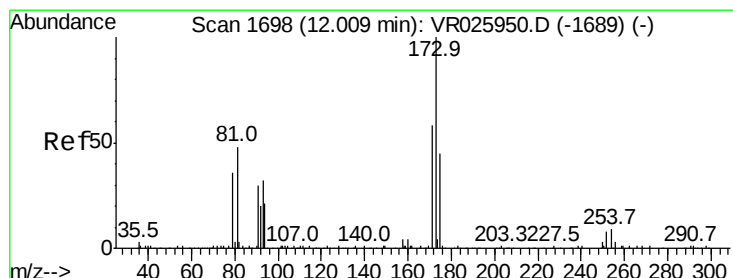
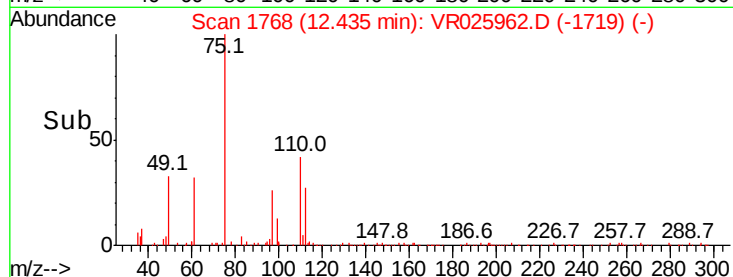
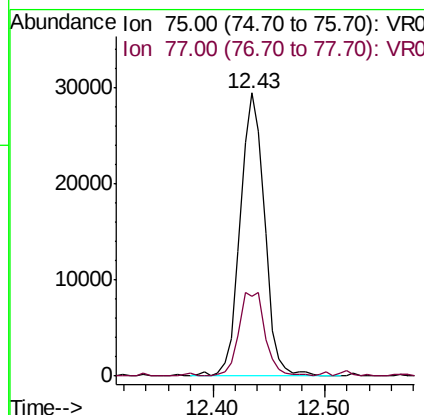
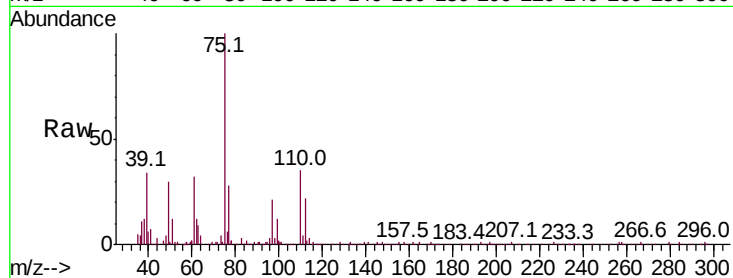
ClientSampleId :

Tot Ion: 75 Resp: 44573

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#61

Bromoform

Concen: 4.681 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

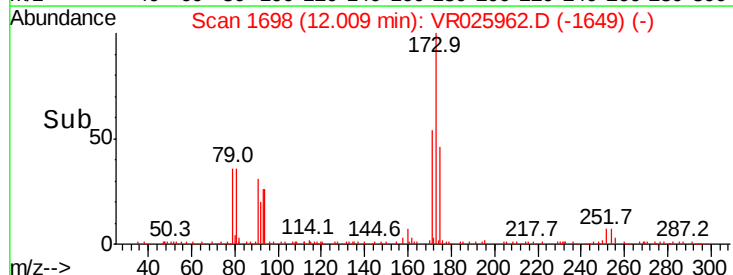
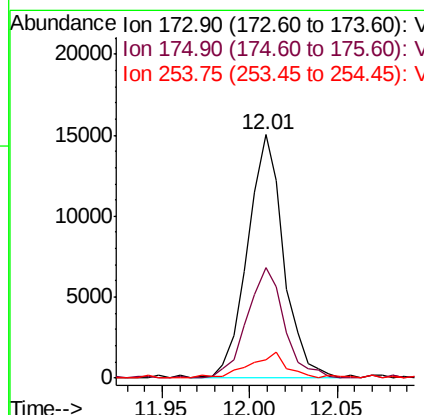
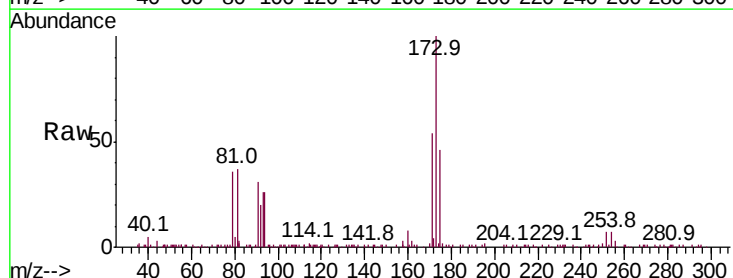
Tgt Ion:173 Resp: 21535

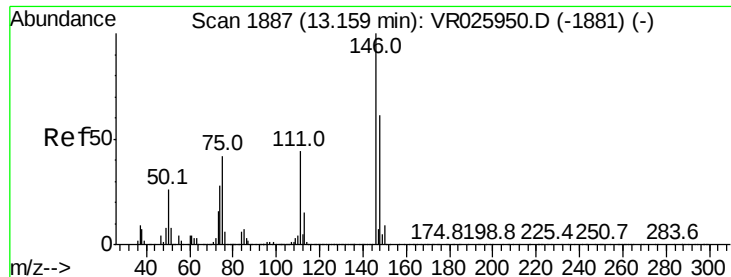
Ion Ratio Lower Upper

173 100

175 47.0 36.9 55.3

254 10.8 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.400 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

ClientSampleId :

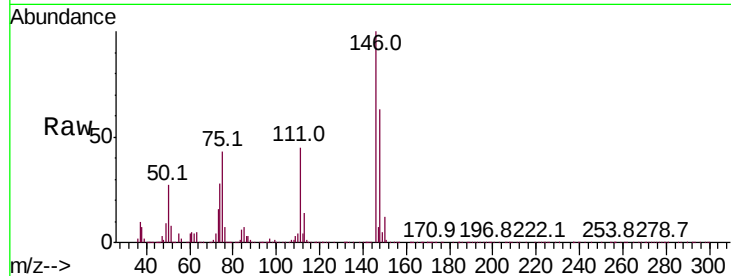
Tot Ion:146 Resp: 195673

Ion Ratio Lower Upper

146 100

111 45.3 36.6 68.0

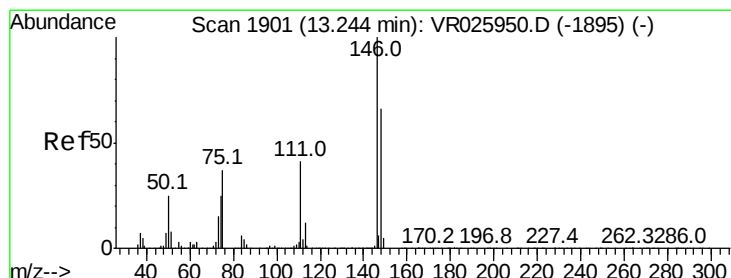
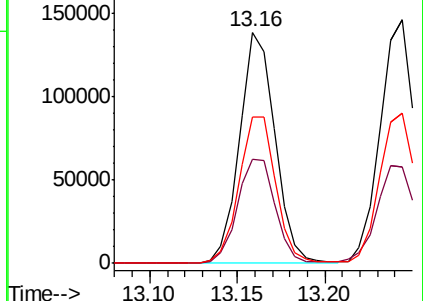
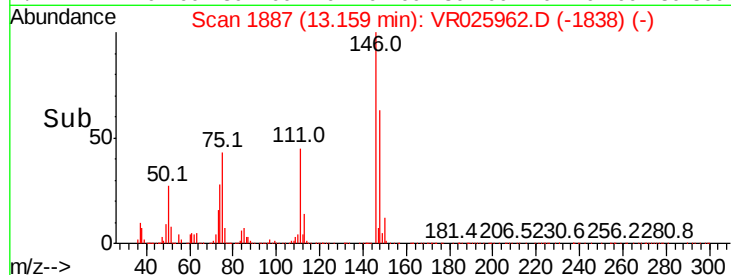
148 63.2 41.9 77.7



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: 4.513 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

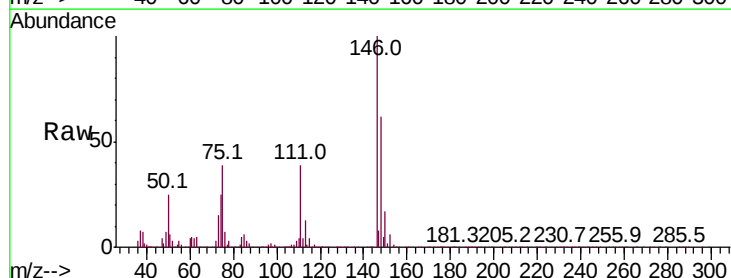
Tgt Ion:146 Resp: 205334

Ion Ratio Lower Upper

146 100

111 39.4 32.9 61.1

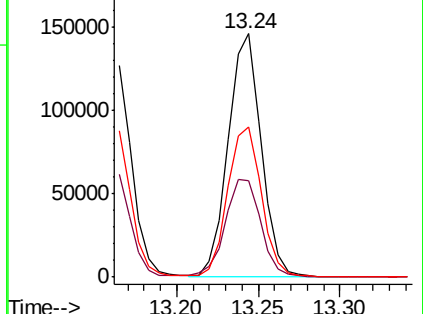
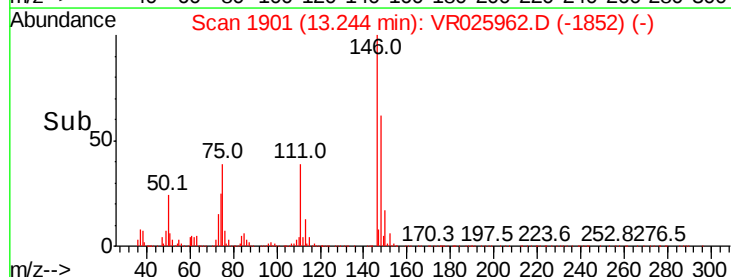
148 61.9 45.5 84.5

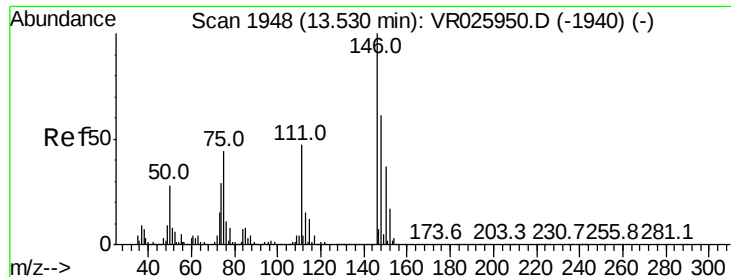


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

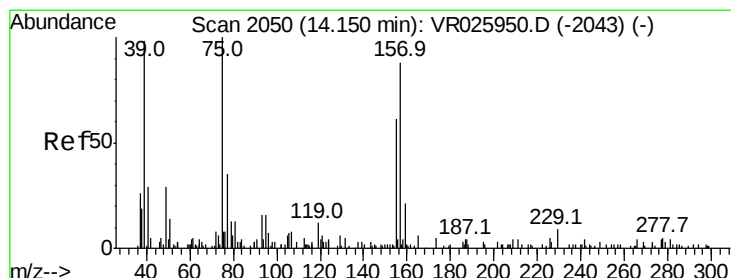
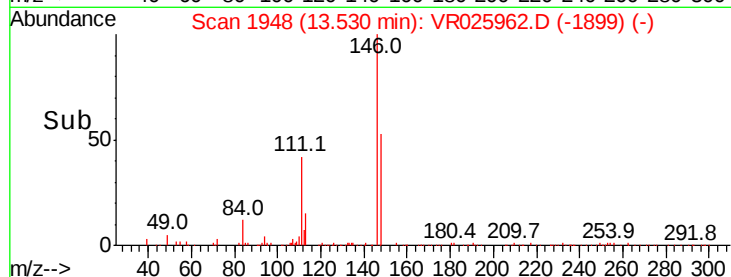
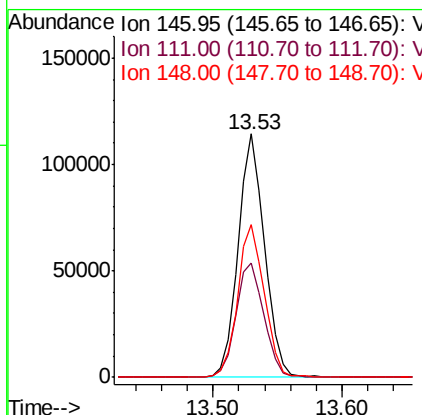
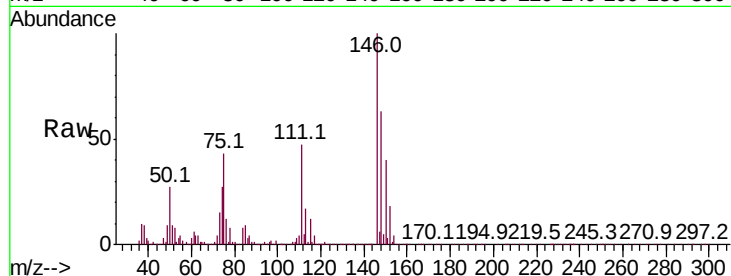




#65
 1,2-Dichlorobenzene
 Concen: 4.513 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

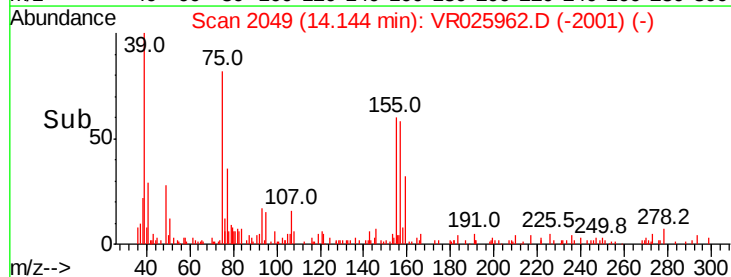
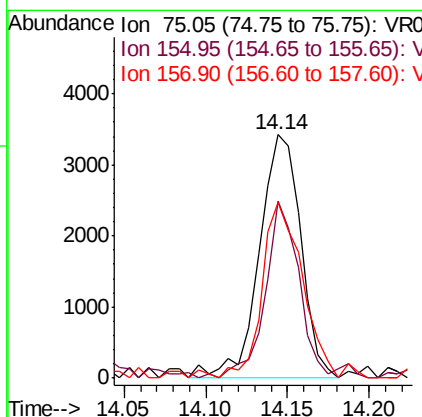
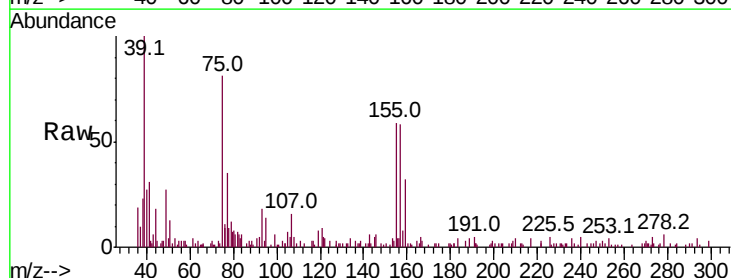
Instrument :
 MSVOA_R
 ClientSampled :

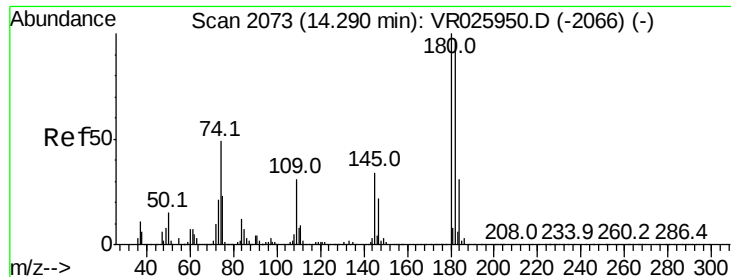
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	39.4	59.0
148	62.9	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.040 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	37.8	56.6#
157	72.1	49.7	74.5

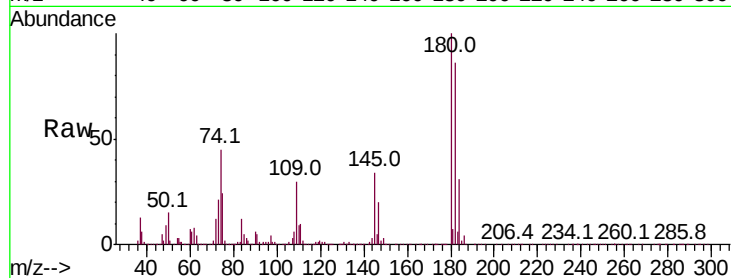




#67
 1,3,5-Trichlorobenzene
 Concen: 4.556 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.2	115.8
184	30.4	24.5	36.7
145	33.9	31.1	46.7



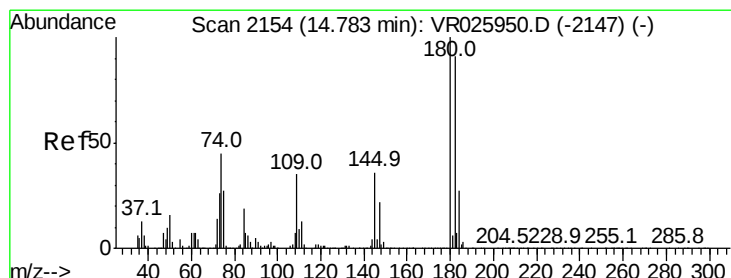
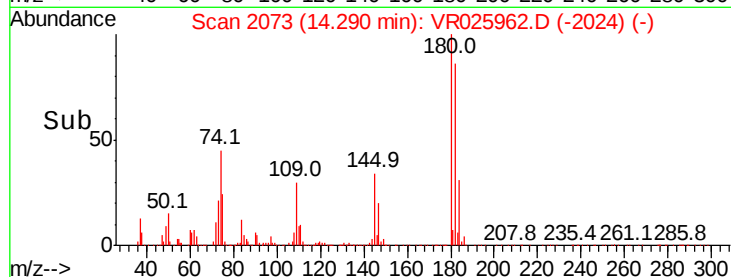
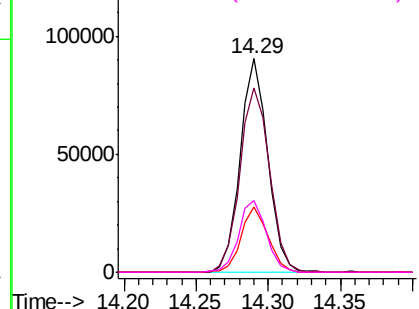
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

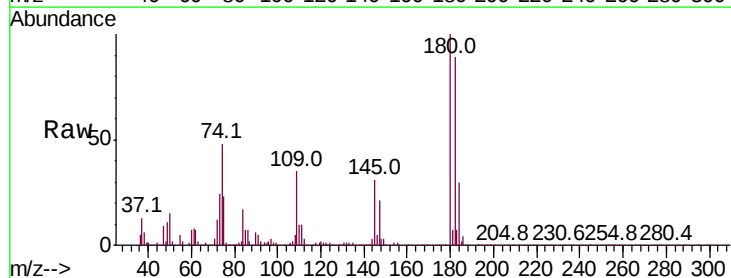
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.581 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025962.D
 Acq: 5 Oct 2018 18:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.4	75.2	112.8
145	32.9	30.5	45.7

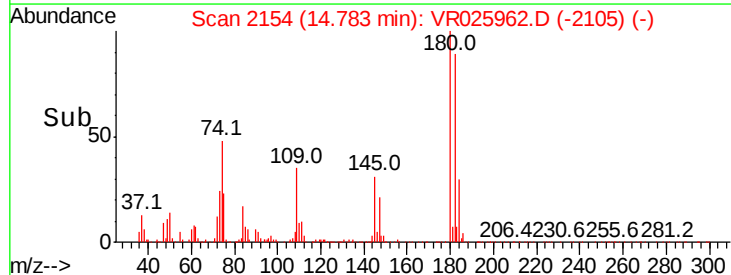
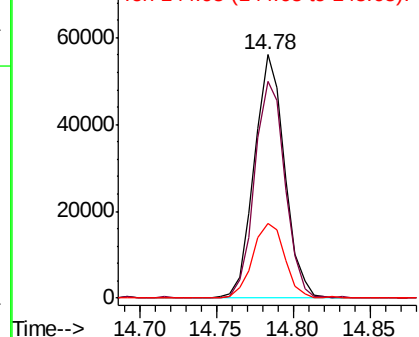


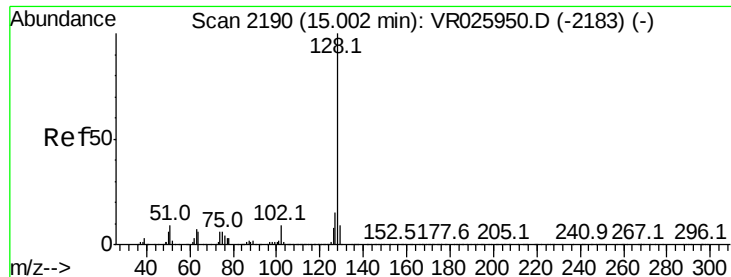
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.110 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

Instrument :

MSVOA_R

ClientSampleId :

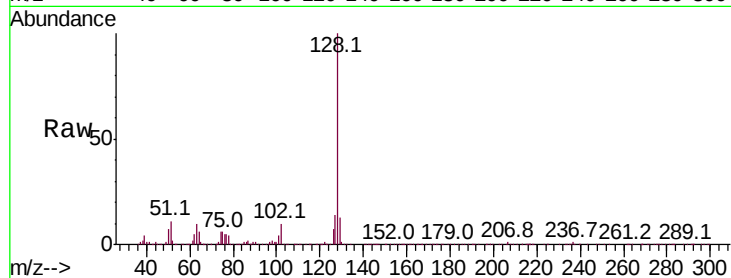
Tot Ion:128 Resp: 88586

Ion Ratio Lower Upper

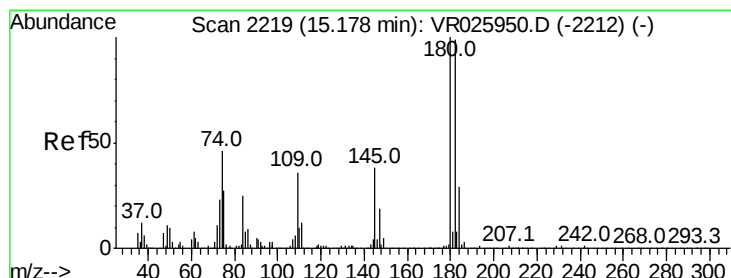
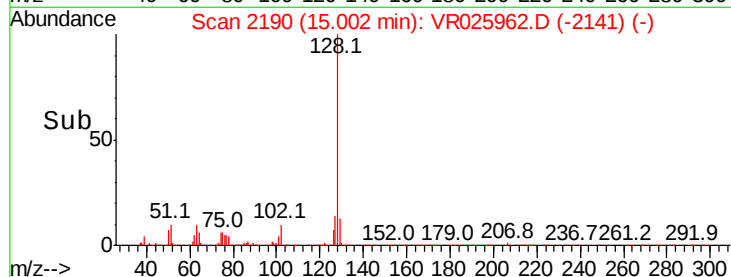
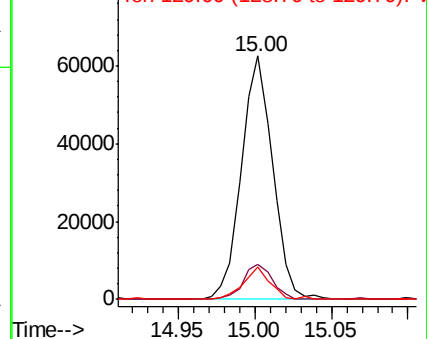
128 100

127 13.6 10.5 15.7

129 11.5 9.4 14.2



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



#70

1,2,3-Trichlorobenzene

Concen: 4.891 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025962.D

Acq: 5 Oct 2018 18:46

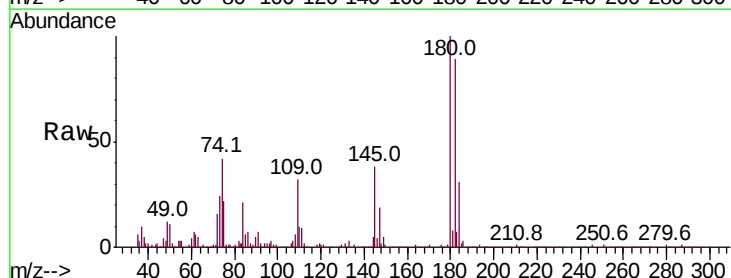
Tgt Ion:180 Resp: 57313

Ion Ratio Lower Upper

180 100

182 90.1 74.7 112.1

145 36.5 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

