

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091218\
 Data File : VR025707.D
 Acq On : 12 Sep 2018 22:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Quant Time: Sep 13 04:10:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 03:48:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670967	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	601091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	275565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	100668	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	2.62	69	93657	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	3.64	63	332877	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	6.60	46	131982	44.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.64%
24) Chloroform-d	7.20	84	293113	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	7.90	65	104715	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.85	84	674819	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	177341	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	9.97	98	670651	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	10.24	79	40477	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	10.59	63	181478	56.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97293	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	160102	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	159598	4.66 ug/L	# 87
3) Chloromethane	2.01	50	158380	3.77 ug/L	97
5) Vinyl chloride	2.17	62	169700	4.07 ug/L	91
6) Bromomethane	2.52	94	127960	4.28 ug/L	96
8) Chloroethane	2.66	64	101375	4.14 ug/L	100
9) Trichlorofluoromethane	2.98	101	10681	0.14 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	191289	4.61 ug/L	94
12) 1,1-Dichloroethene	3.65	96	180173	4.12 ug/L	91
13) Acetone	3.70	43	100791	50.79 ug/L	95
14) Carbon disulfide	3.96	76	406226	3.93 ug/L	# 92
15) Methyl Acetate	4.20	43	31003	4.38 ug/L	97
16) Methylene chloride	4.40	84	107697	2.78 ug/L	94
17) Methyl tert-butyl Ether	4.90	73	261688	4.86 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	239250	4.47 ug/L	97
19) 1,1-Dichloroethane	5.69	63	353238	4.28 ug/L	97
21) 2-Butanone	6.70	43	235488	56.23 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	214737	4.61 ug/L	# 98

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

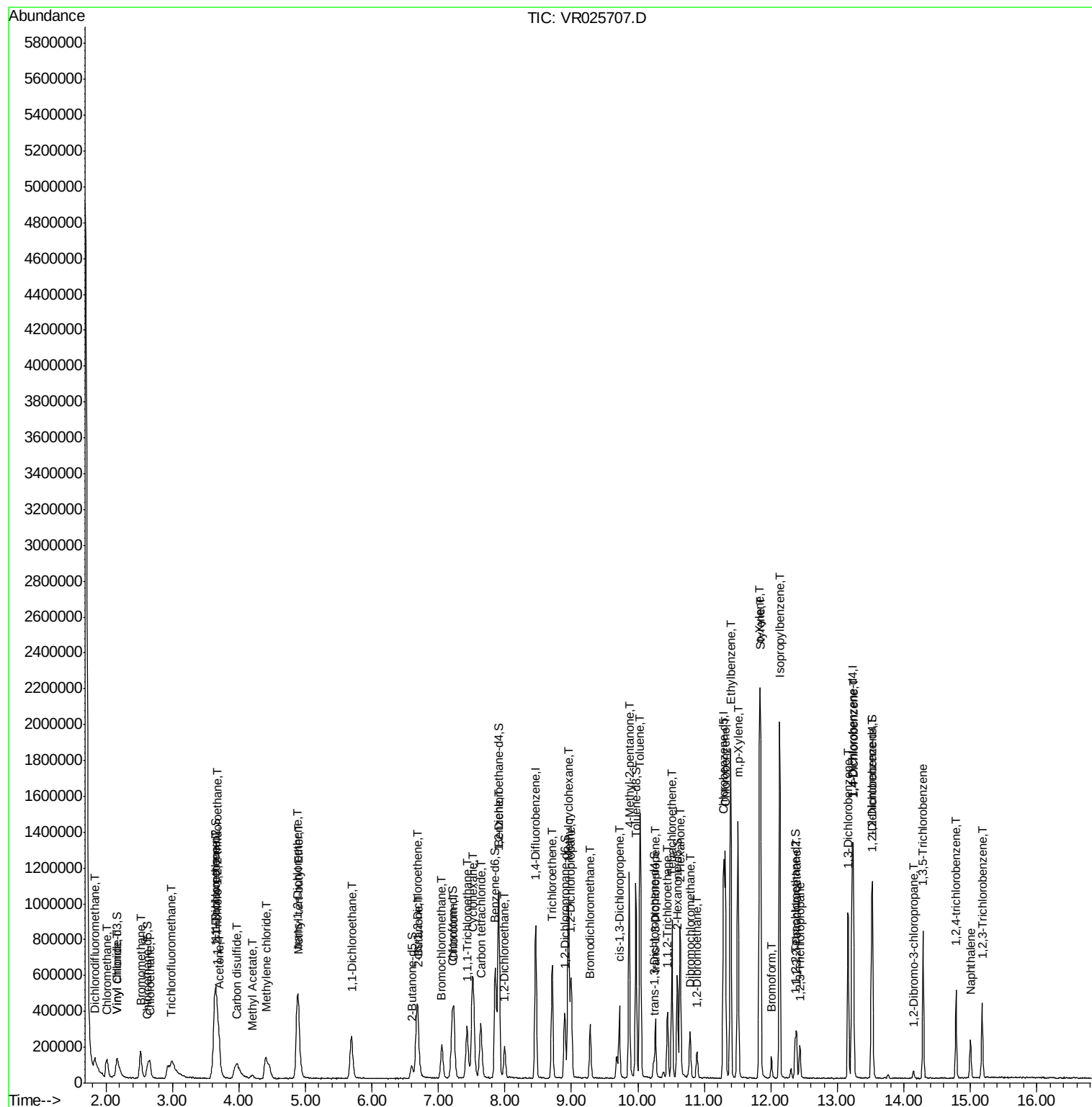
23) Bromochloromethane	7.05	128	74928	4.69	ug/L #	91
25) Chloroform	7.23	83	337055	4.47	ug/L	90
27) 1,2-Dichloroethane	7.99	62	144486	4.86	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	259160	4.33	ug/L	99
30) Cyclohexane	7.51	56	348816	4.85	ug/L	95
31) Carbon tetrachloride	7.64	117	257337	4.43	ug/L	97
33) Benzene	7.91	78	950711	4.44	ug/L	100
34) Trichloroethene	8.71	95	205675	3.96	ug/L	99
35) Methylcyclohexane	8.96	83	387984	4.84	ug/L	99
37) 1,2-Dichloropropane	9.00	63	221429	4.59	ug/L	99
38) Bromodichloromethane	9.28	83	192996	4.45	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	224840	4.55	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	682234	57.17	ug/L	99
42) Toluene	10.04	91	1017174	4.64	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	153024	4.41	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	107743	4.76	ug/L	93
47) Tetrachloroethene	10.51	164	187911	4.42	ug/L	98
48) 2-Hexanone	10.63	43	485265	57.98	ug/L	99
49) Dibromochloromethane	10.79	129	117519	4.88	ug/L	98
50) 1,2-Dibromoethane	10.89	107	87402	4.87	ug/L	91
51) Chlorobenzene	11.32	112	634322	4.60	ug/L	99
52) Ethylbenzene	11.39	91	1128373	4.78	ug/L	96
53) m,p-Xylene	11.50	106	453531	4.77	ug/L	98
54) o-Xylene	11.83	106	403465	4.82	ug/L	98
55) Styrene	11.84	104	687236	5.10	ug/L	99
56) Isopropylbenzene	12.13	105	1078163	5.17	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	116570	5.29	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	73349	4.95	ug/L	95
61) Bromoform	12.01	173	49955	4.24	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	361782	4.20	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	419094	4.28	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	331338	4.46	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	9437	4.32	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	225613	4.41	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	133664	4.26	ug/L	97
69) Naphthalene	15.00	128	156022	4.44	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	126101	5.08	ug/L	95

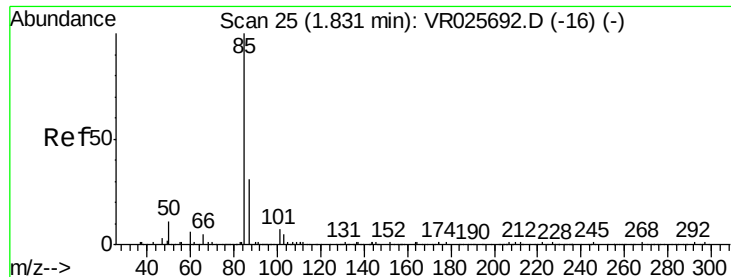
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.66 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

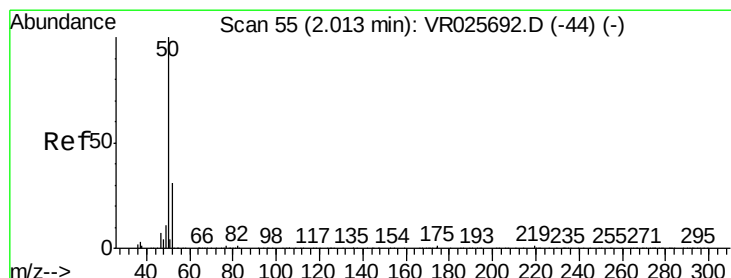
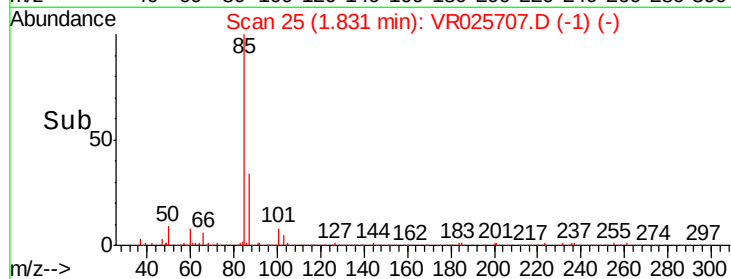
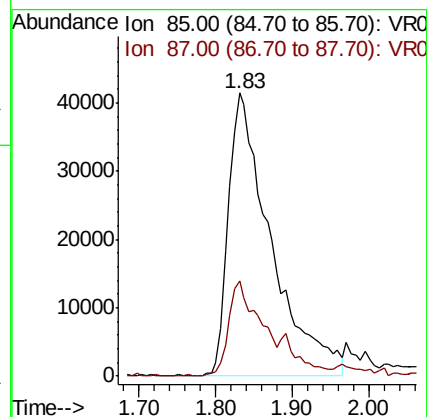
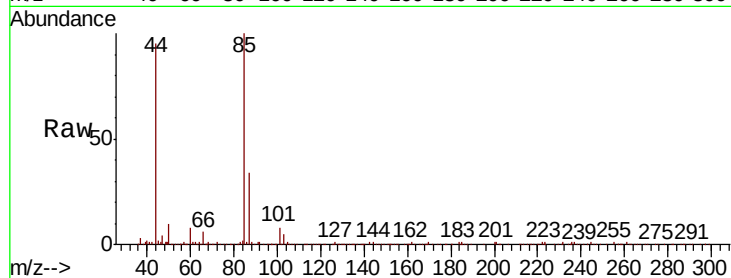
VSTD00598

Tot Ion: 85 Resp: 159598

Ion Ratio Lower Upper

85 100

87 24.7 25.3 37.9#



#3

Chloromethane

Concen: 3.77 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025707.D

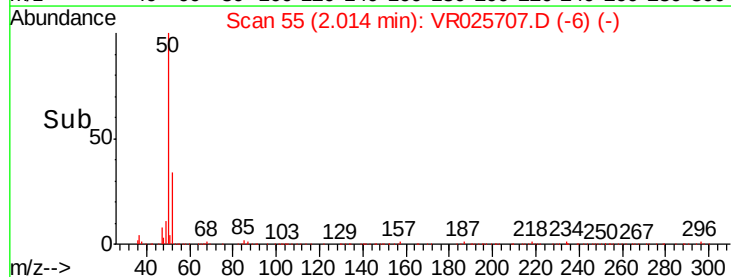
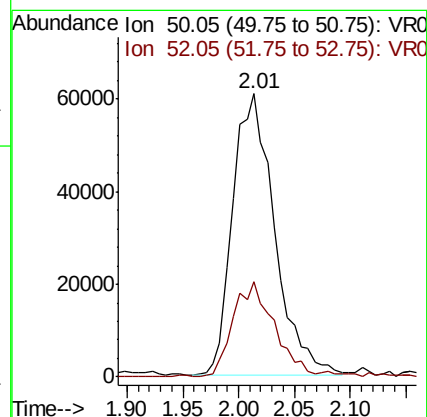
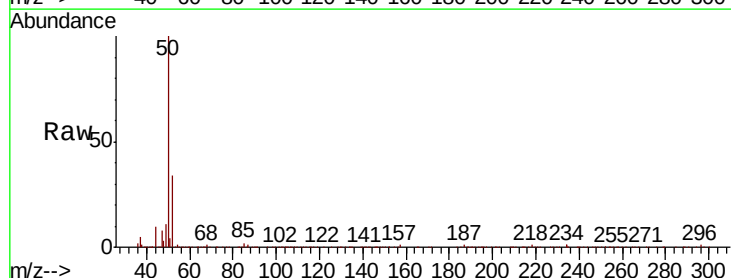
Acq: 12 Sep 2018 22:16

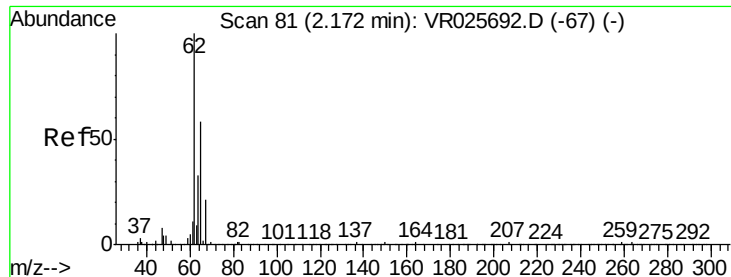
Tgt Ion: 50 Resp: 158380

Ion Ratio Lower Upper

50 100

52 33.6 24.6 45.8





#5

Vinyl chloride

Concen: 4.07 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.01 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

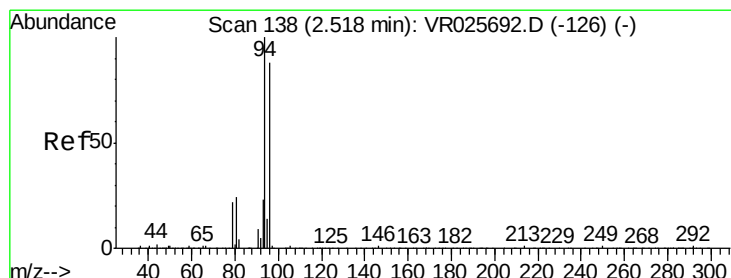
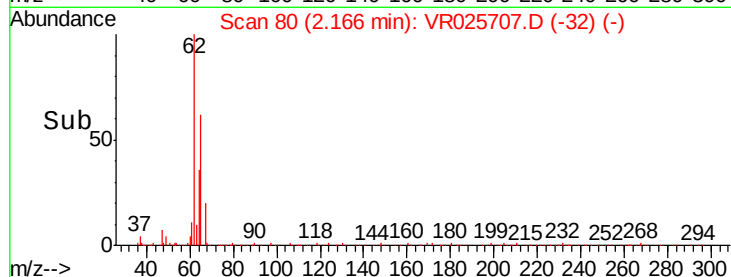
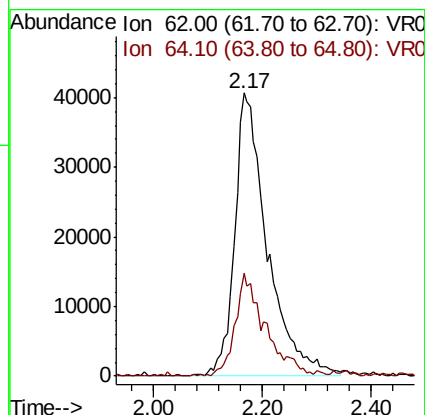
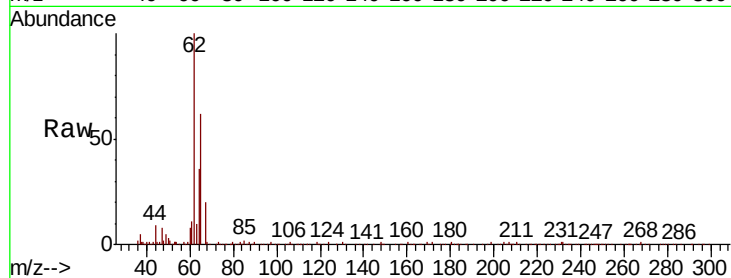
VSTD00598

Tot Ion: 62 Resp: 169700

Ion Ratio Lower Upper

62 100

64 36.2 22.0 40.8



#6

Bromomethane

Concen: 4.28 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR025707.D

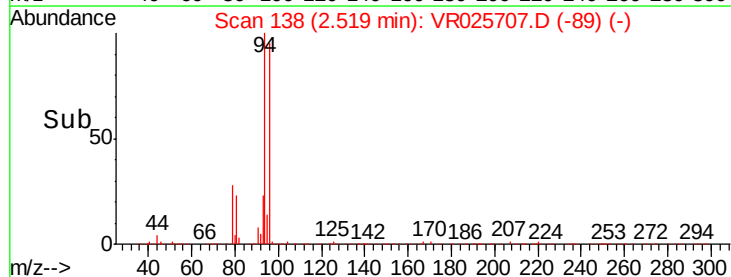
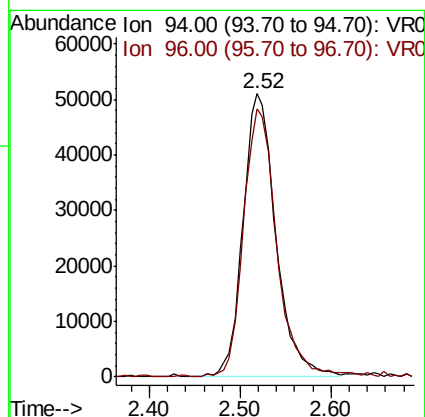
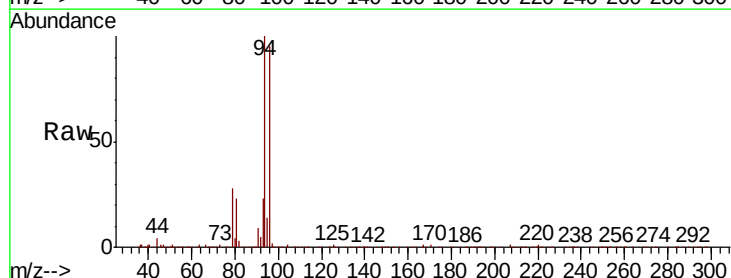
Acq: 12 Sep 2018 22:16

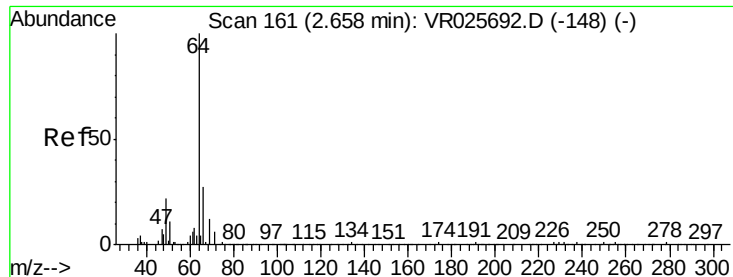
Tgt Ion: 94 Resp: 127960

Ion Ratio Lower Upper

94 100

96 94.8 68.9 127.9

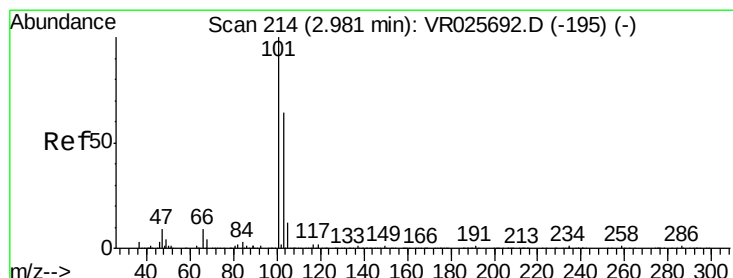
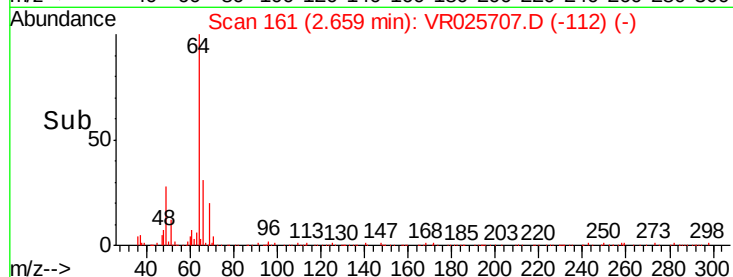
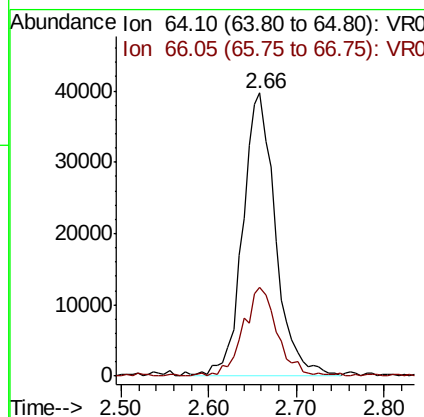
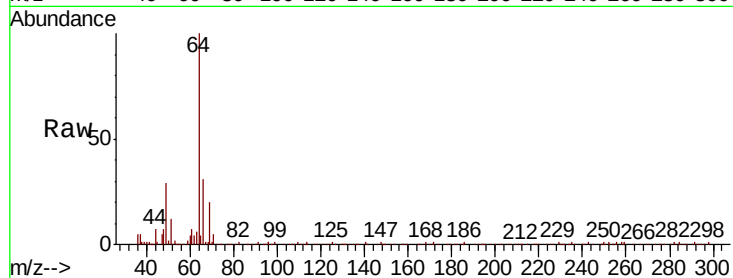




#8
Chloroethane
Concen: 4.14 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

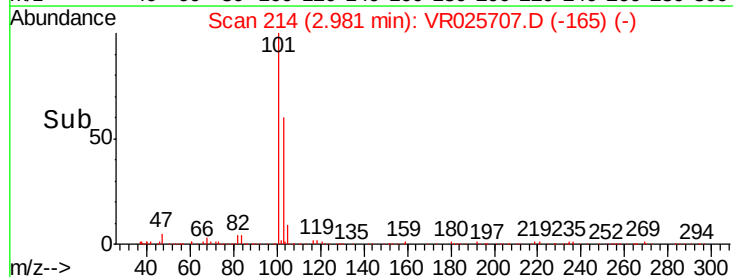
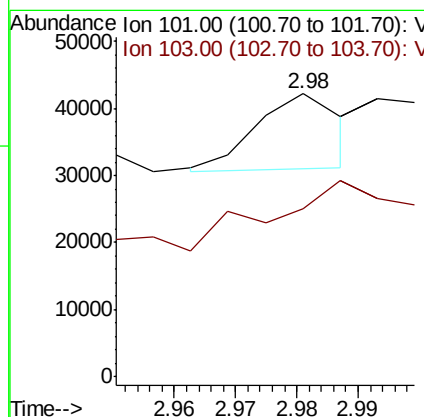
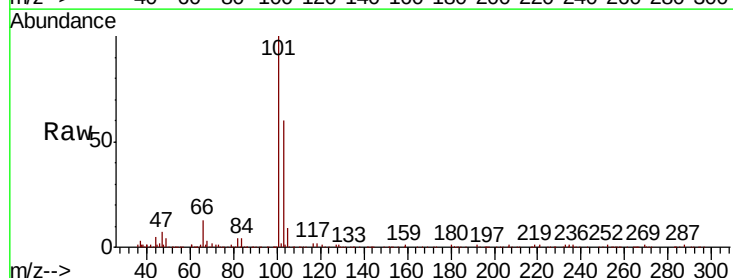
Instrument :
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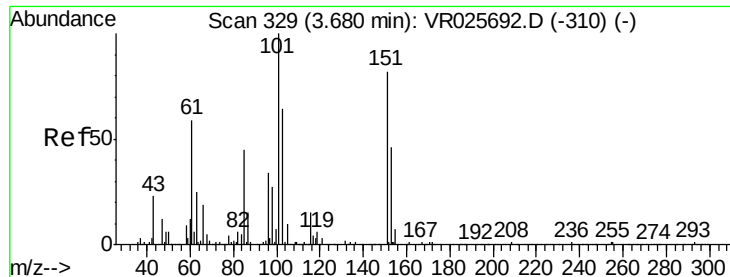
Tot Ion: 64 Resp: 101375
Ion Ratio Lower Upper
64 100
66 31.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.14 ug/L
RT: 2.98 min Scan# 214
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion: 101 Resp: 10681
Ion Ratio Lower Upper
101 100
103 584.2 13.2 19.8#





#10

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

Concen: 4.61 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

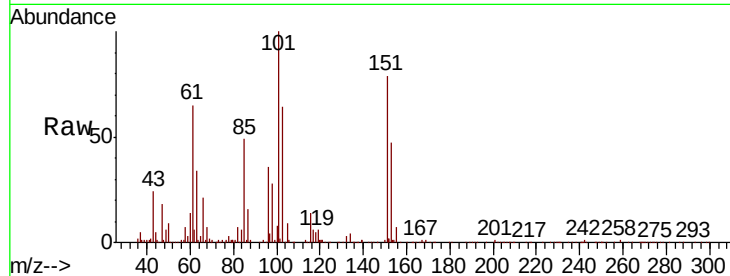
Tot Ion:101 Resp: 191289

Ion Ratio Lower Upper

101 100

85 49.2 38.1 57.1

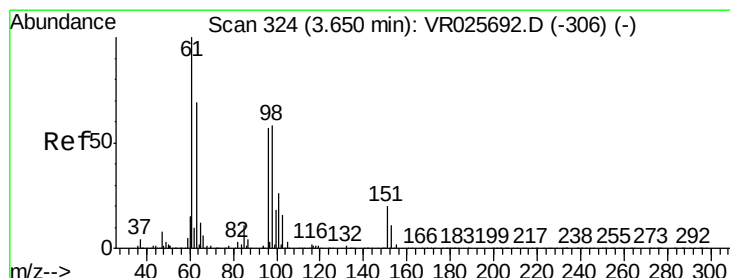
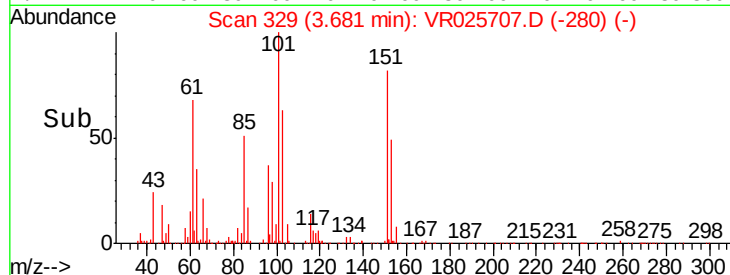
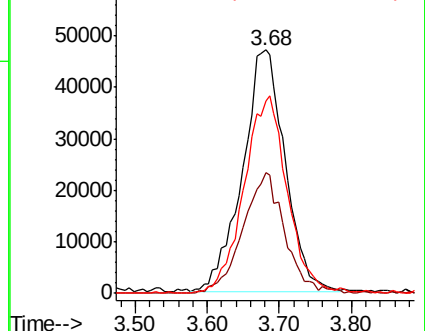
151 82.9 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.12 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

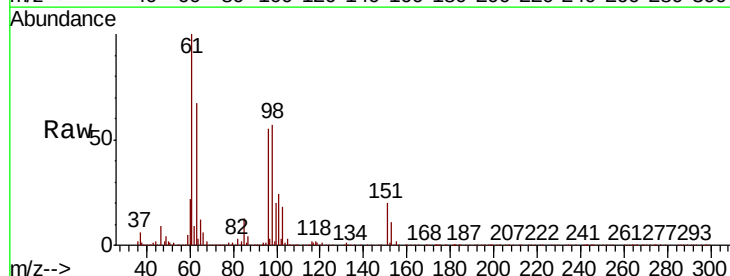
Tgt Ion: 96 Resp: 180173

Ion Ratio Lower Upper

96 100

61 180.7 128.4 238.4

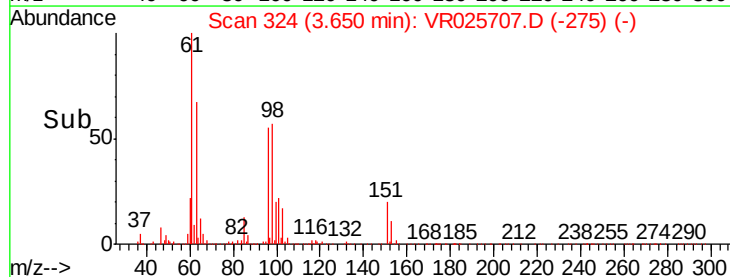
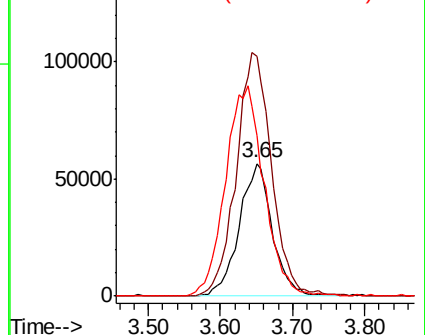
63 121.0 101.1 187.7

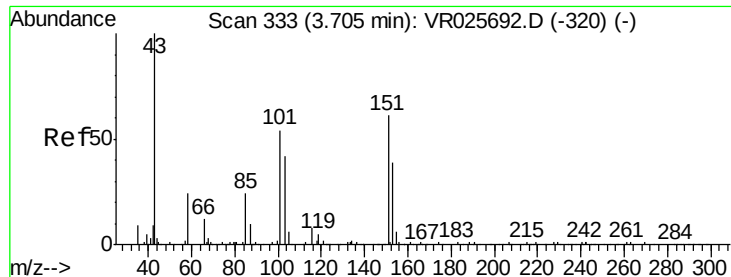


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 50.79 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

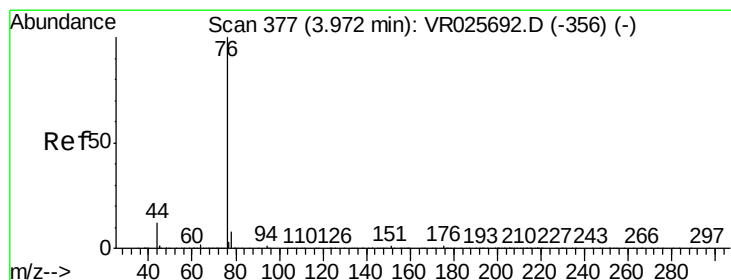
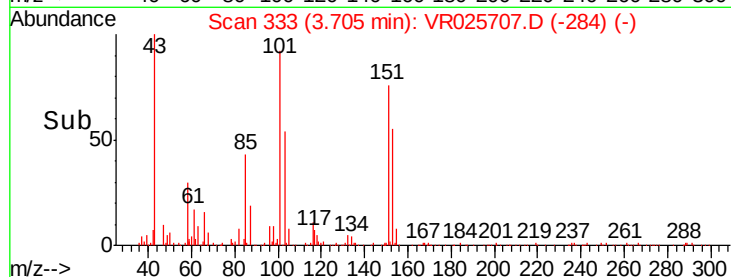
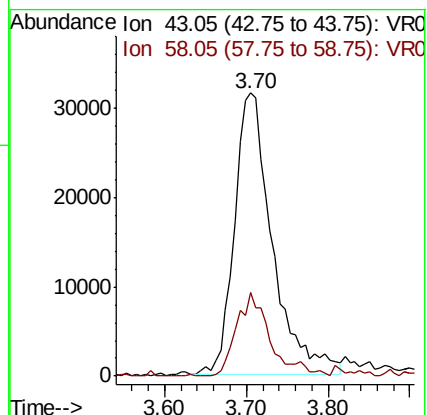
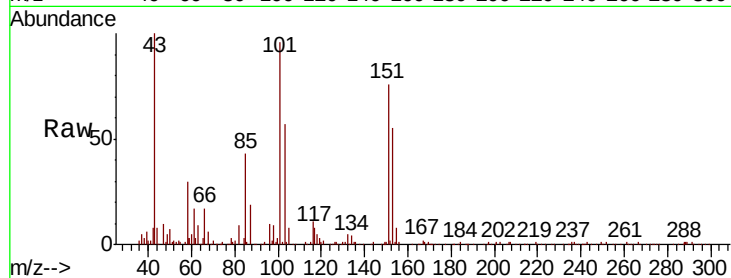
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Tot Ion: 43 Resp: 100791

Ion Ratio Lower Upper

43 100

58 24.3 0.0 53.6



#14

Carbon disulfide

Concen: 3.93 ug/L

RT: 3.96 min Scan# 375

Delta R.T. -0.01 min

Lab File: VR025707.D

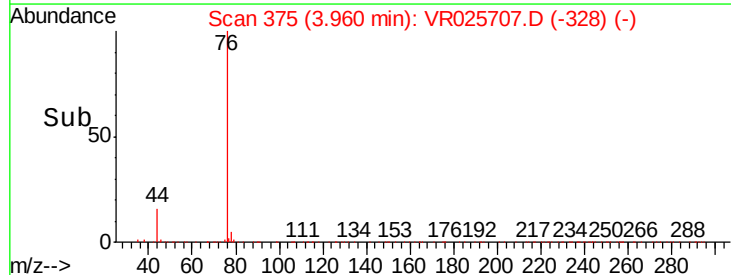
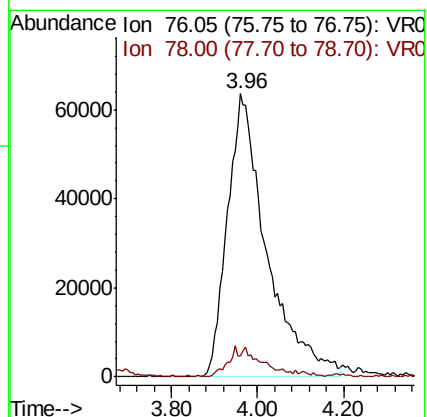
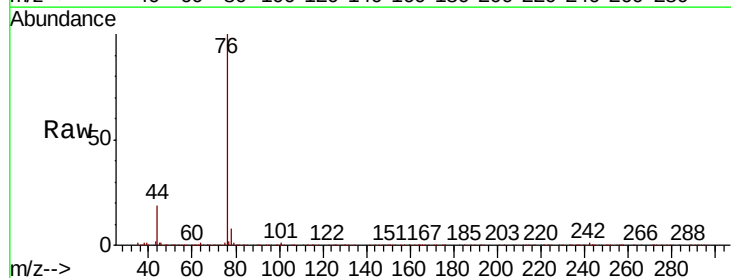
Acq: 12 Sep 2018 22:16

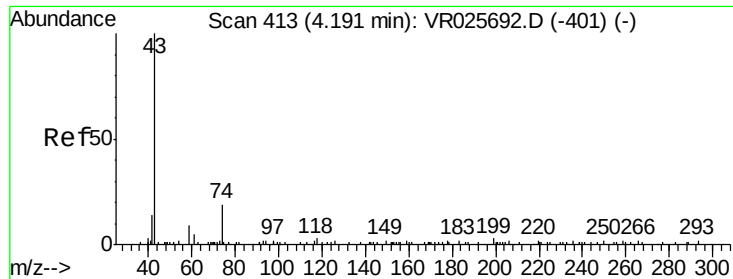
Tgt Ion: 76 Resp: 406226

Ion Ratio Lower Upper

76 100

78 7.8 8.6 12.8#

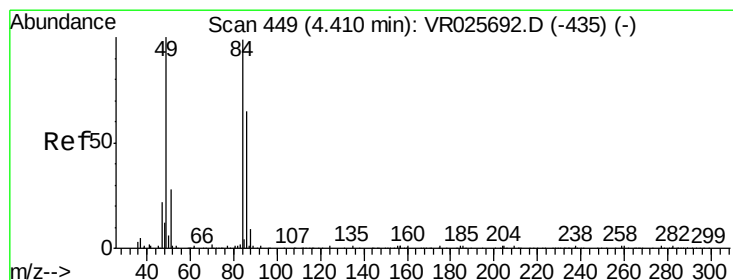
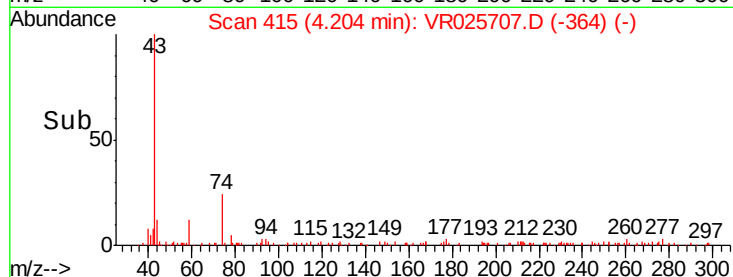
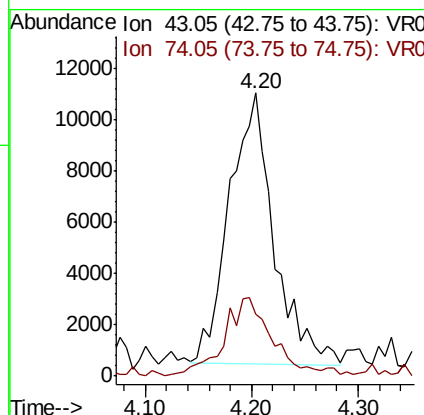
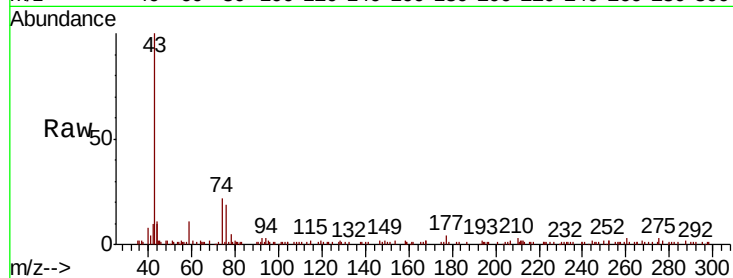




#15
Methyl Acetate
Concen: 4.38 ug/L
RT: 4.20 min Scan# 415
Delta R.T. 0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

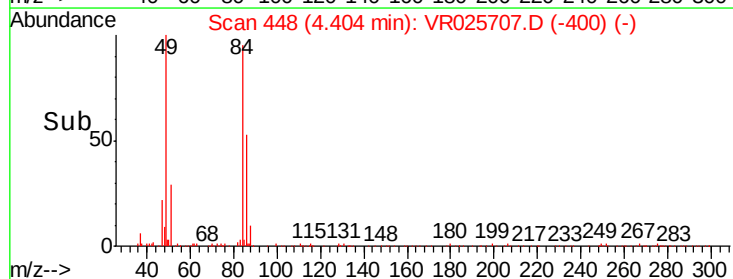
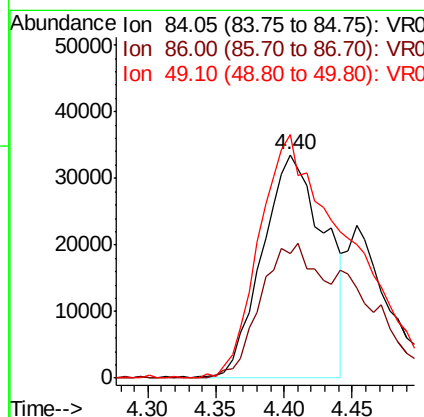
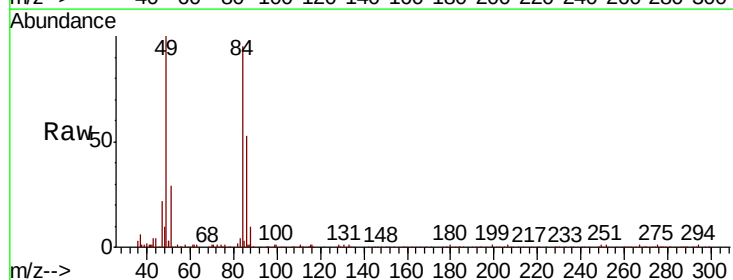
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

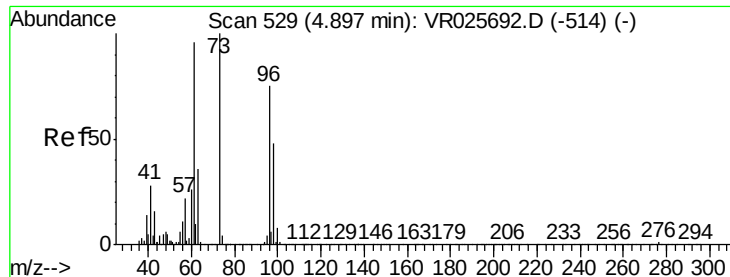
Tot Ion: 43 Resp: 31003
Ion Ratio Lower Upper
43 100
74 32.0 24.2 36.4



#16
Methylene chloride
Concen: 2.78 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion: 84 Resp: 107697
Ion Ratio Lower Upper
84 100
86 56.5 46.5 86.3
49 108.9 77.4 143.8

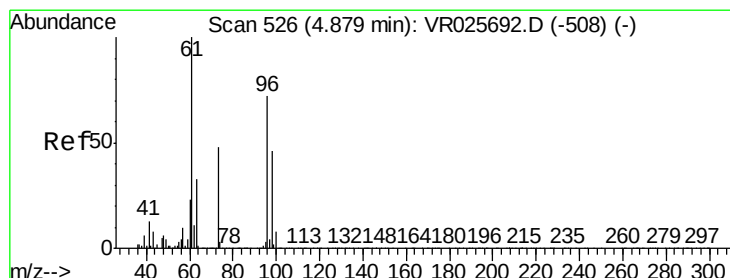
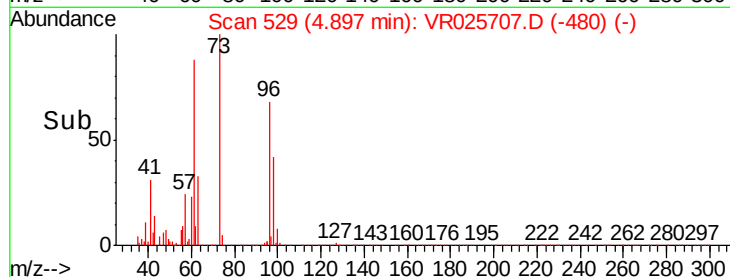
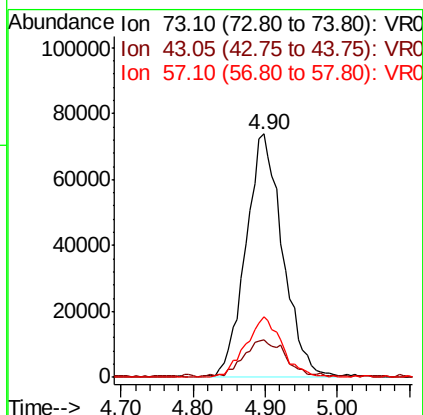
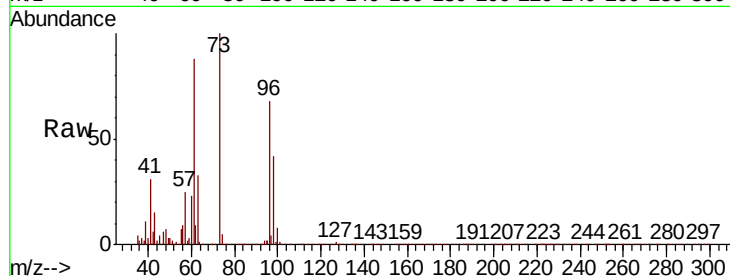




#17
Methyl tert-butyl Ether
Concen: 4.86 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

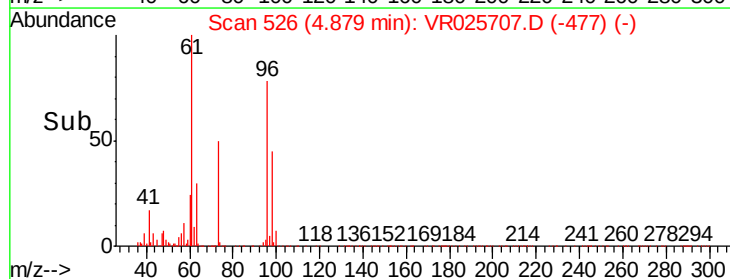
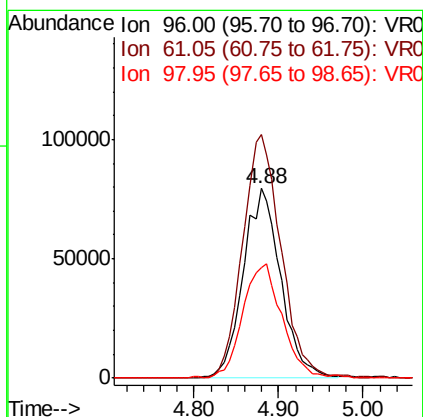
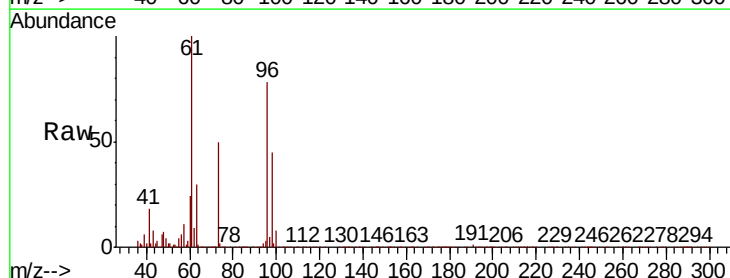
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

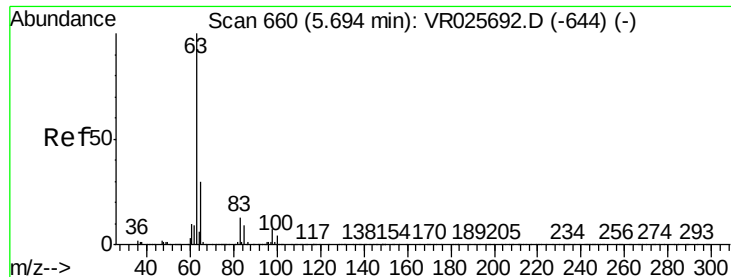
Tot Ion	Ratio	Lower	Upper
73	100		
43	15.5	15.1	22.7
57	24.8	19.5	29.3



#18
trans-1,2-Dichloroethene
Concen: 4.47 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.6	91.3	169.6
98	58.3	43.2	80.2

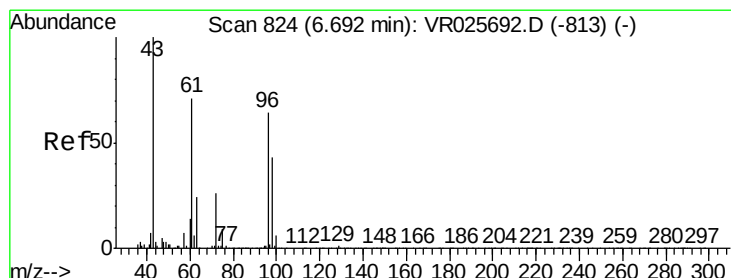
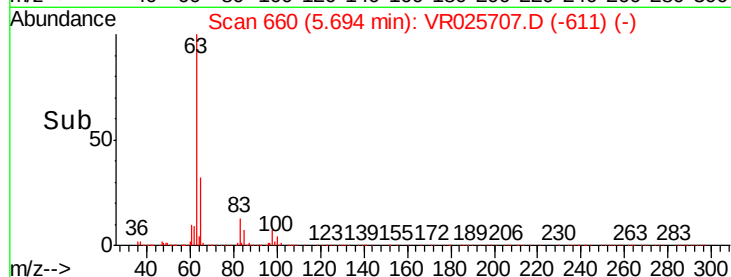
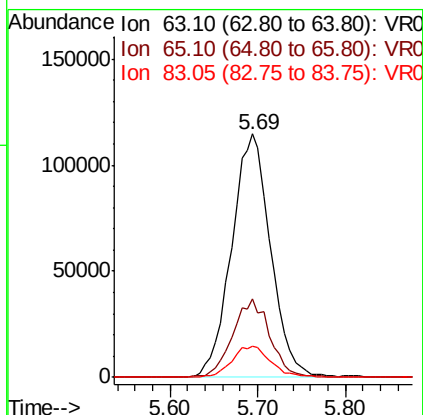
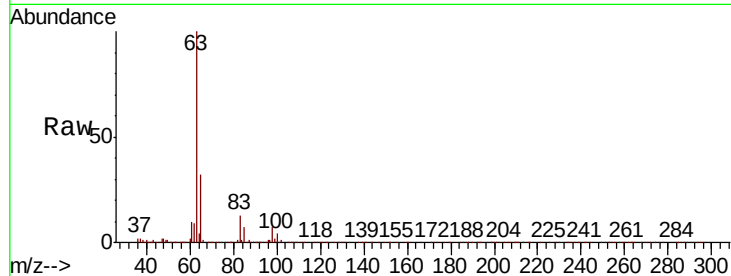




#19
 1,1-Dichloroethane
 Concen: 4.28 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

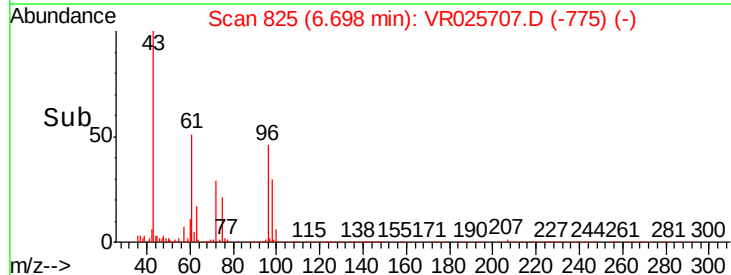
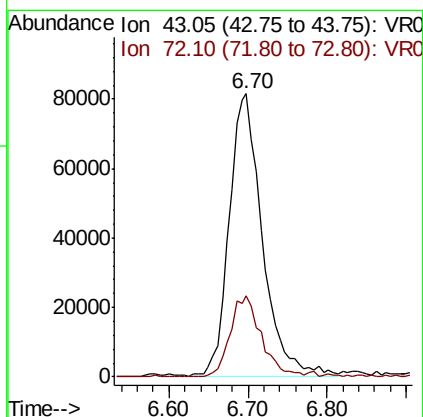
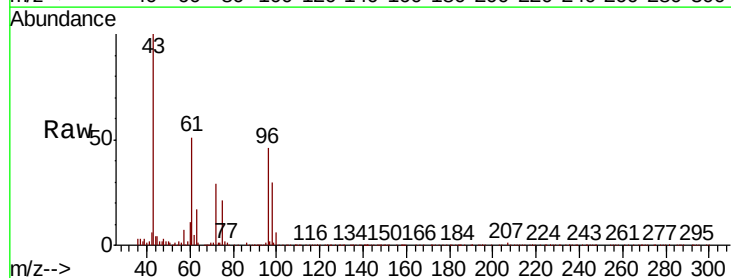
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

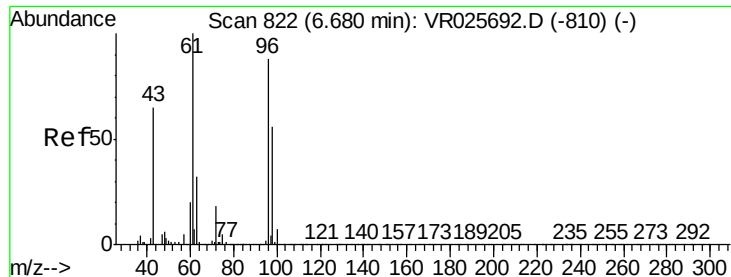
Tot Ion:	63	Resp:	353238
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.9	40.7
83	12.9	7.6	14.2



#21
 2-Butanone
 Concen: 56.23 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion:	43	Resp:	235488
Ion	Ratio	Lower	Upper
43	100		
72	26.9	13.3	39.9



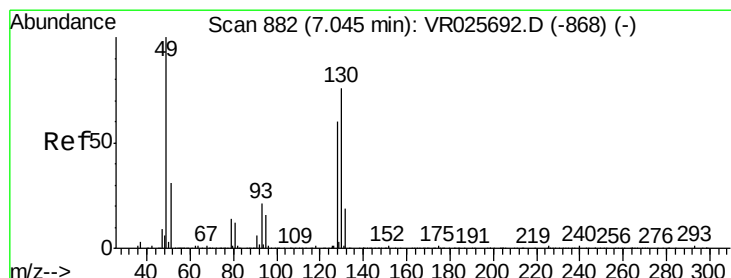
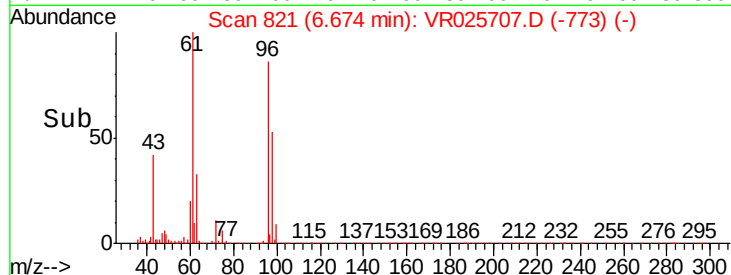
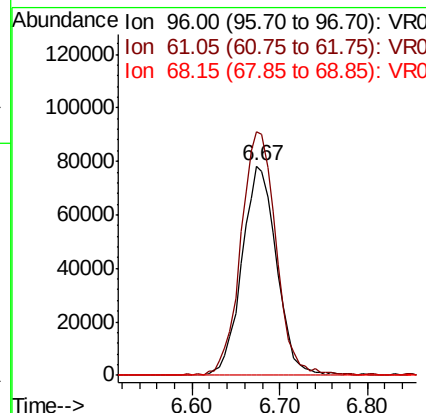
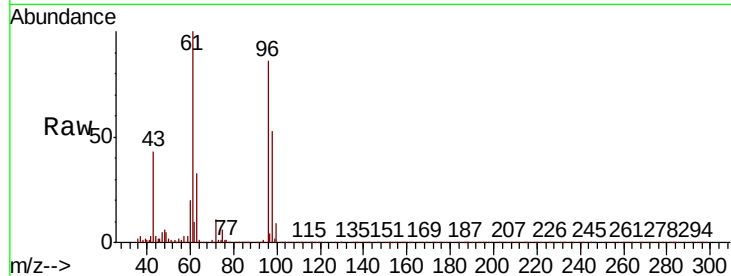


#22

cis-1,2-Dichloroethene
Concen: 4.61 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

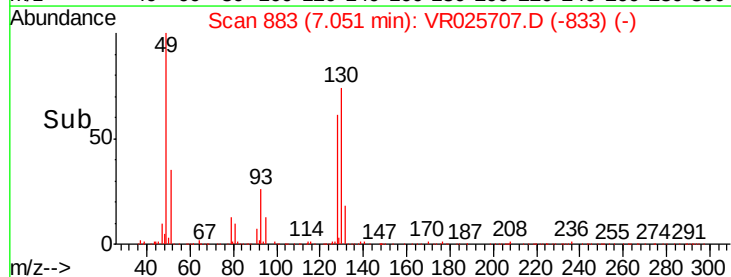
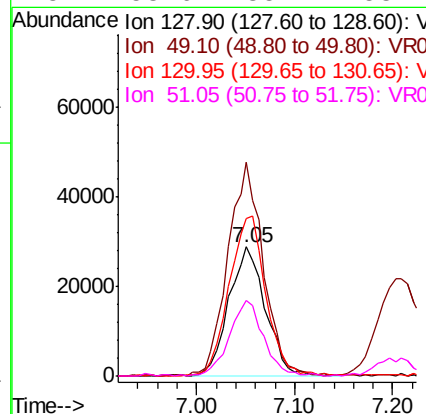
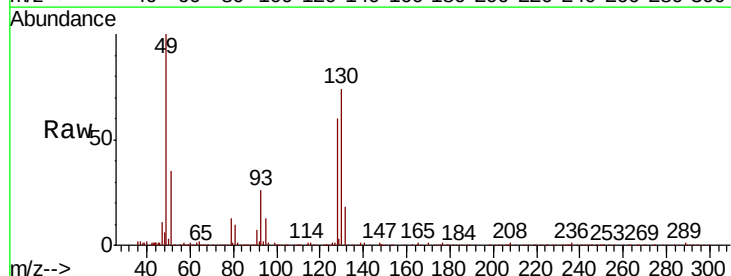
Tot Ion	Ratio	Lower	Upper
96	100		
61	116.4	79.9	148.5
68	0.0	0.2	0.4#

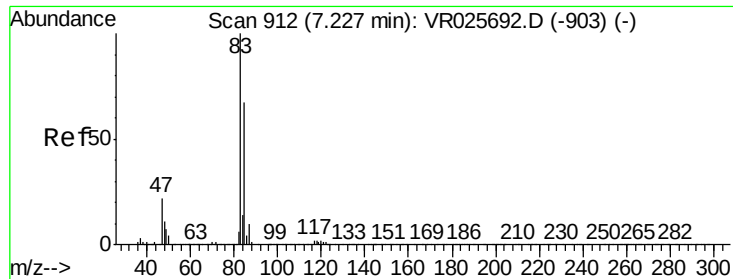


#23

Bromochloromethane
Concen: 4.69 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.3	104.6	194.2
130	122.1	84.7	157.3
51	58.6	35.4	53.2#

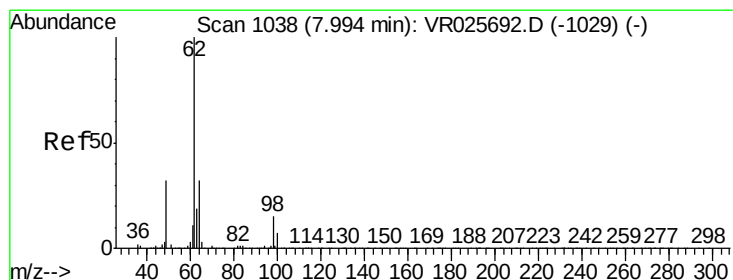
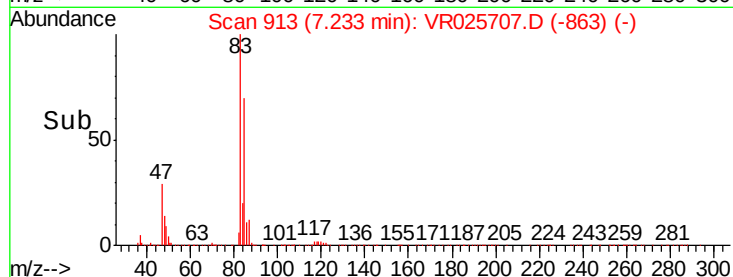
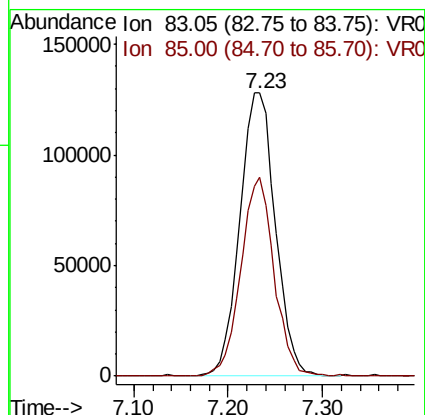
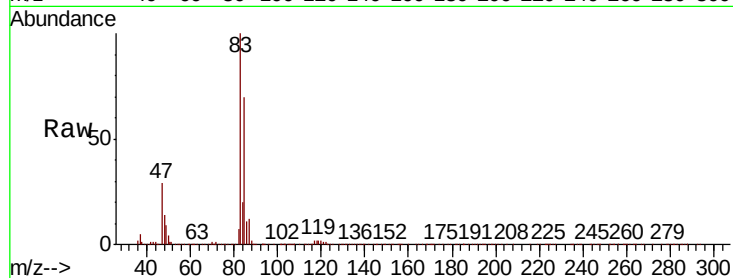




#25
Chloroform
Concen: 4.47 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

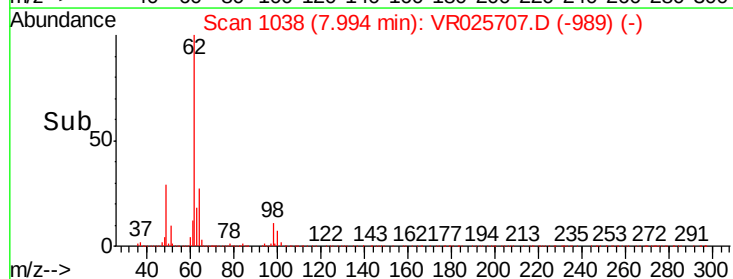
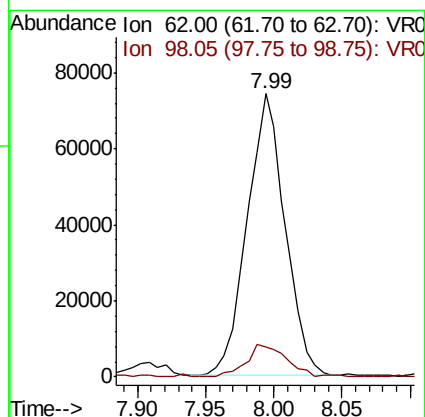
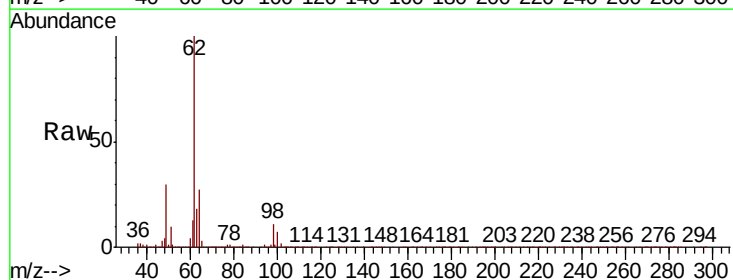
Instrument :
MSVOA_R
ClientSampled :
VSTD00598

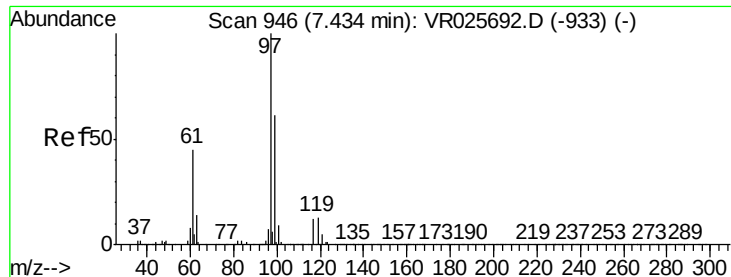
Tot Ion: 83 Resp: 337055
Ion Ratio Lower Upper
83 100
85 70.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.86 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion: 62 Resp: 144486
Ion Ratio Lower Upper
62 100
98 10.5 9.4 14.2



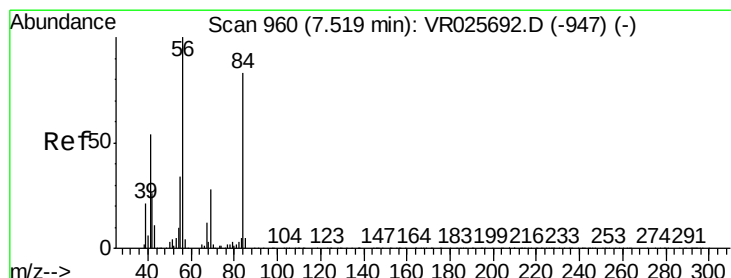
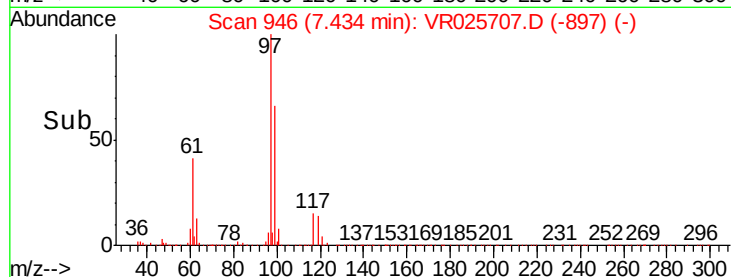
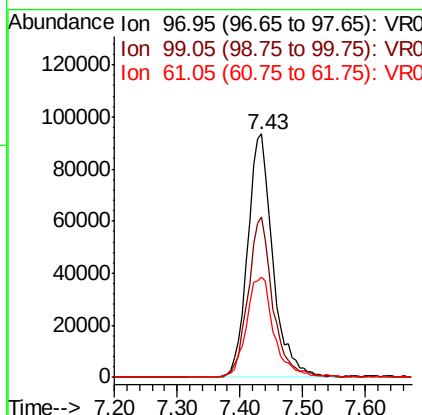
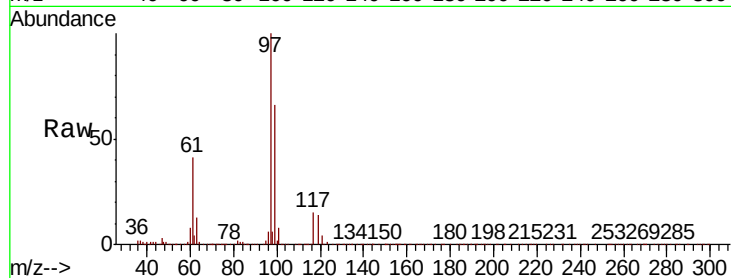


#29
 1,1,1-Trichloroethane
 Concen: 4.33 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tot Ion: 97 Resp: 259160

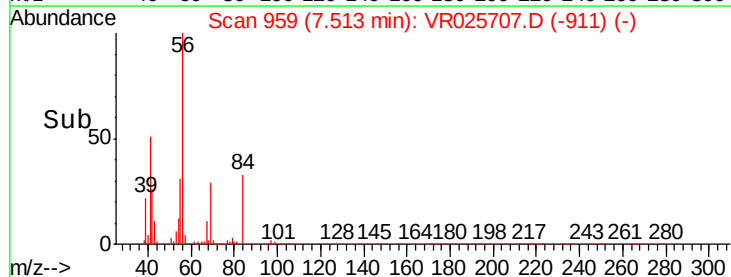
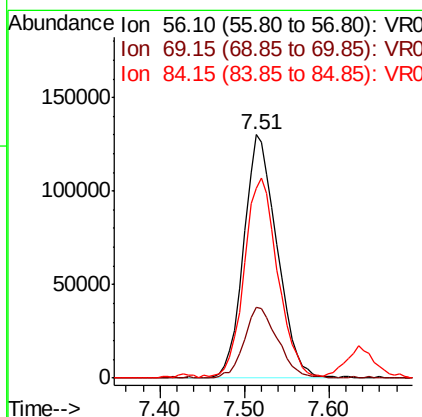
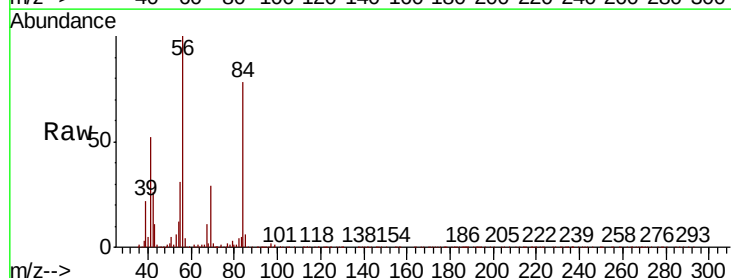
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	44.8	36.2	54.4

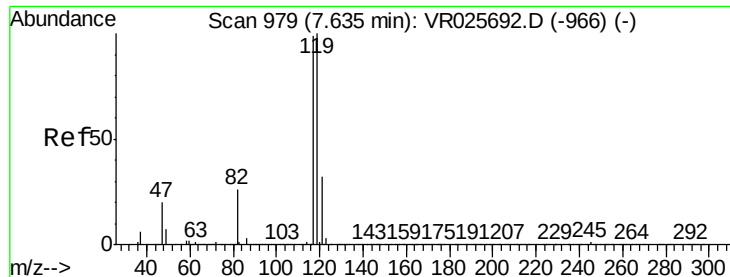


#30
 Cyclohexane
 Concen: 4.85 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion: 56 Resp: 348816

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	82.5	70.4	105.6





#31

Carbon tetrachloride

Concen: 4.43 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

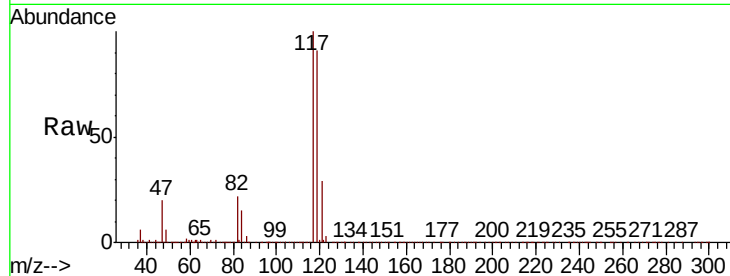
VSTD00598

Tot Ion:117 Resp: 257337

Ion Ratio Lower Upper

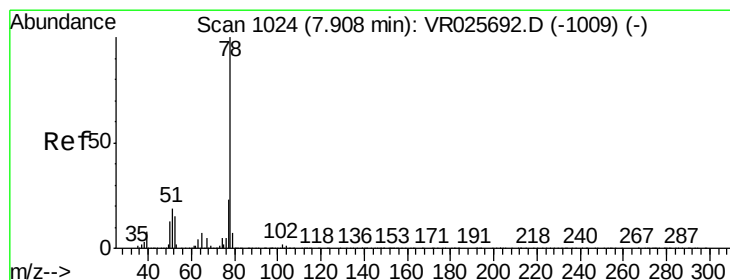
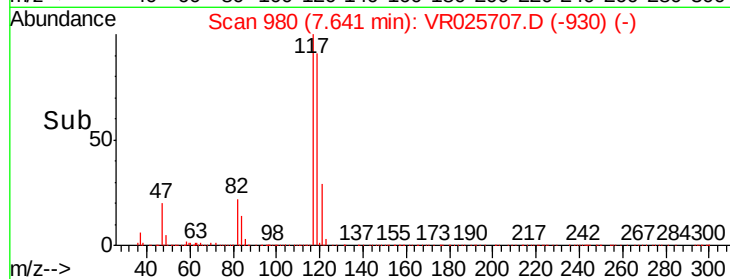
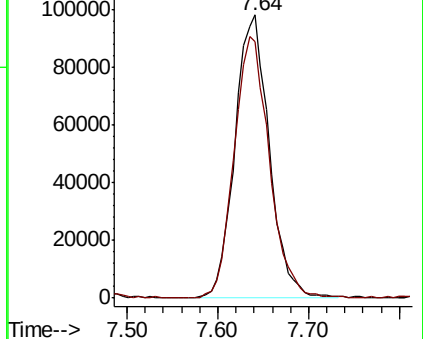
117 100

119 95.3 78.9 118.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.44 ug/L

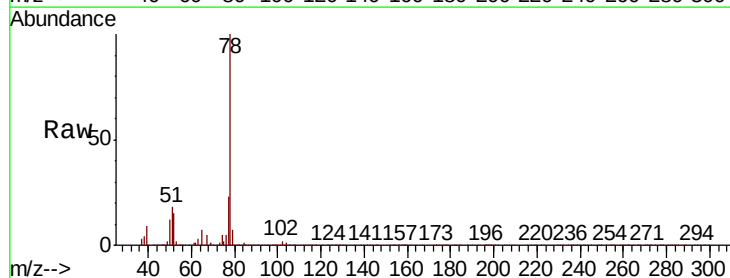
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

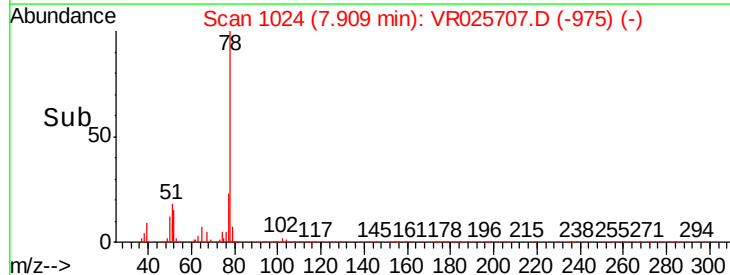
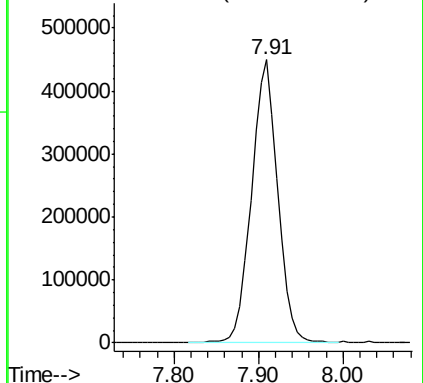
Lab File: VR025707.D

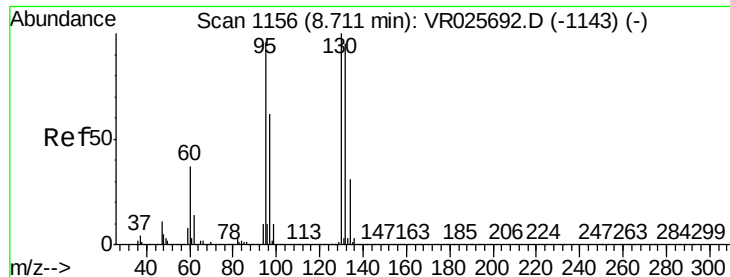
Acq: 12 Sep 2018 22:16

Tgt Ion: 78 Resp: 950711



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 3.96 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

Tot Ion: 95 Resp: 205675

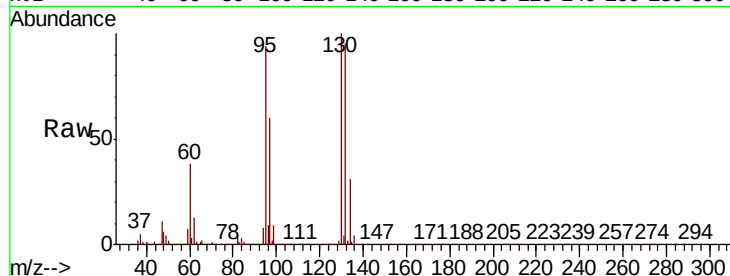
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 102.1 71.0 131.9

130 106.9 74.5 138.3

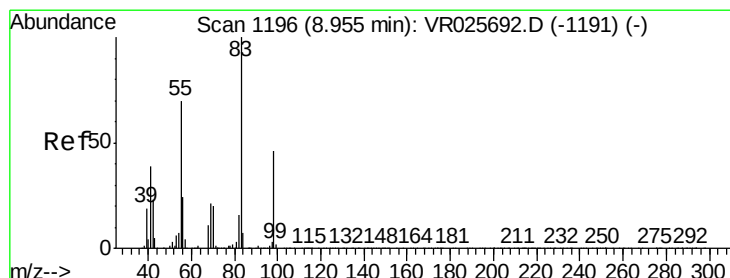
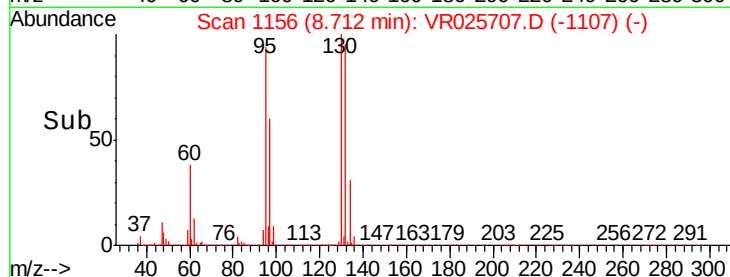
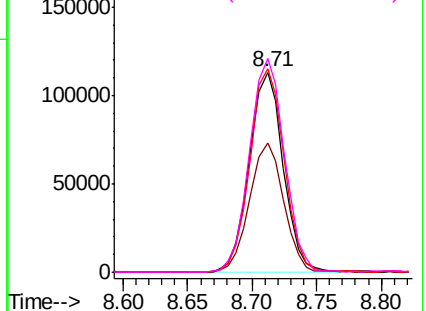


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.84 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

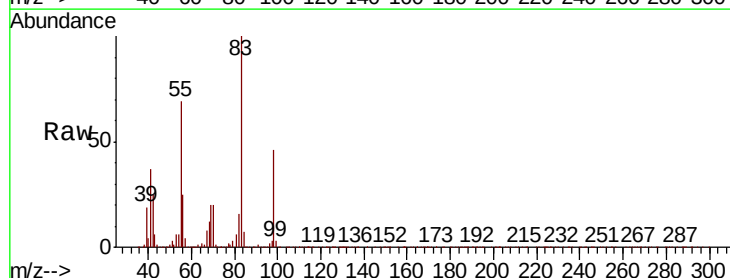
Tgt Ion: 83 Resp: 387984

Ion Ratio Lower Upper

83 100

55 72.3 58.9 88.3

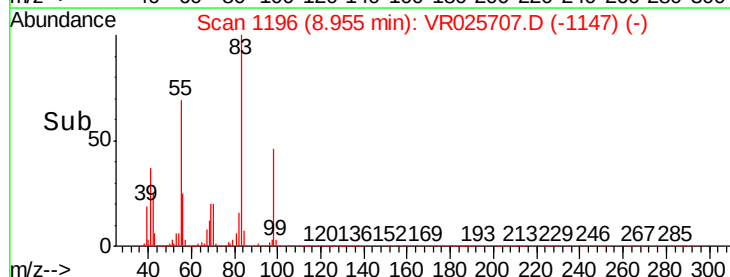
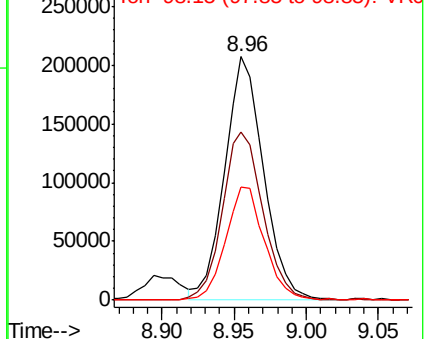
98 46.2 36.9 55.3

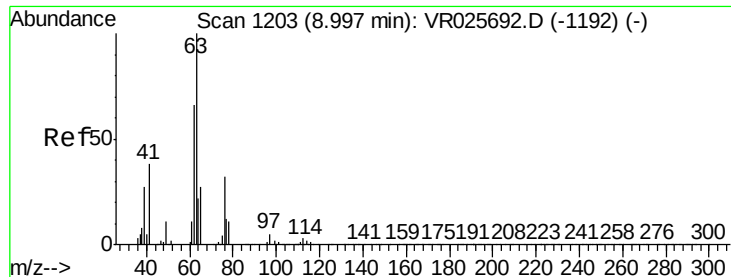


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

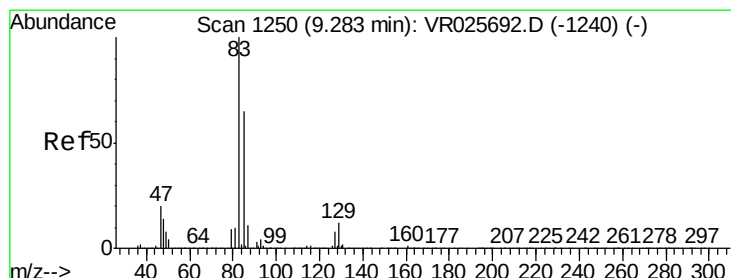
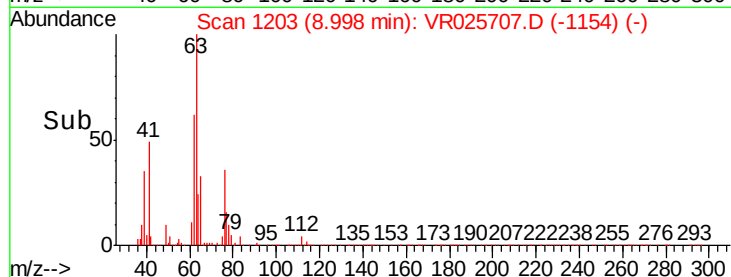
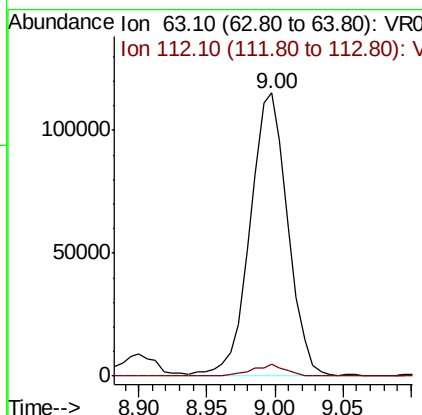
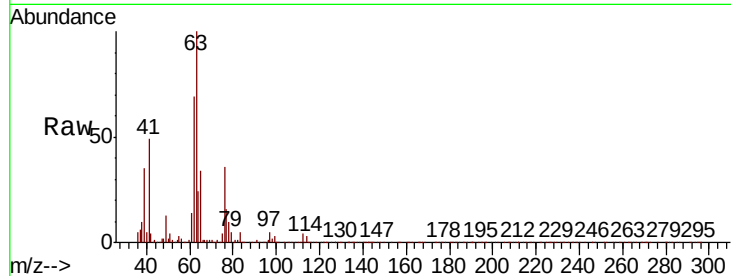




#37
 1,2-Dichloropropane
 Concen: 4.59 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

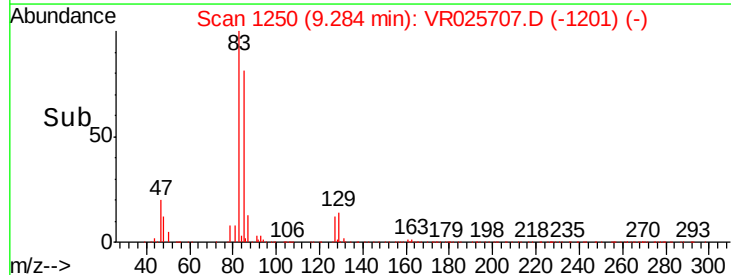
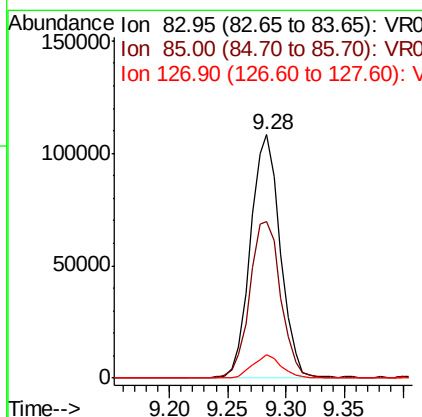
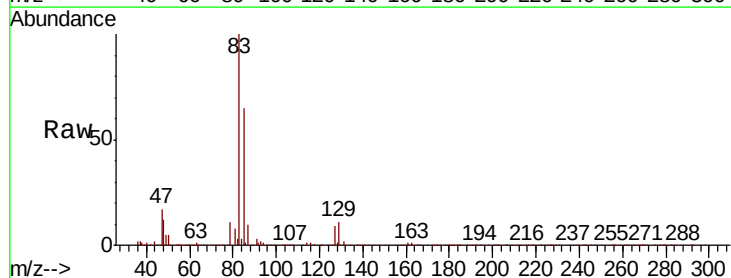
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

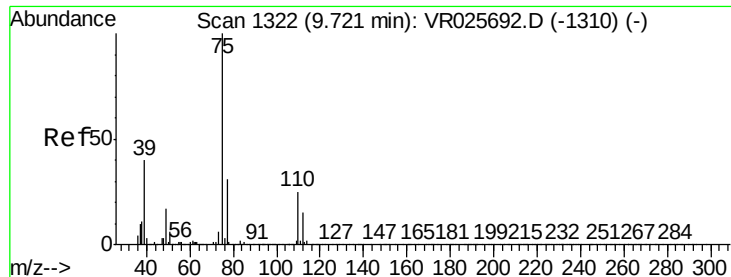
Tot Ion: 63 Resp: 221429
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.45 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion: 83 Resp: 192996
 Ion Ratio Lower Upper
 83 100
 85 64.5 48.7 90.5
 127 9.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 4.55 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampled :

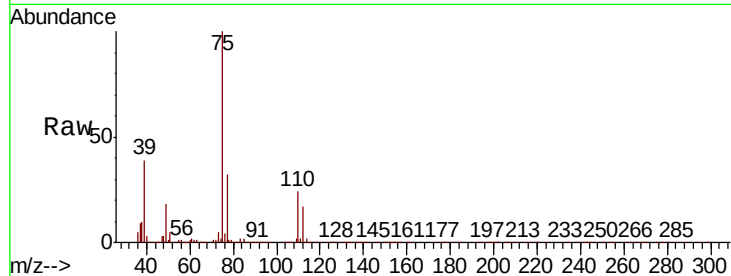
VSTD00598

Tot Ion: 75 Resp: 224840

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

150000

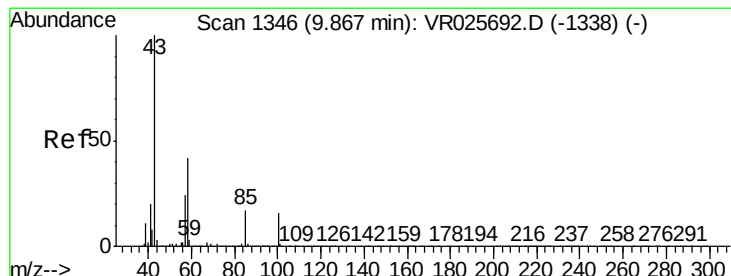
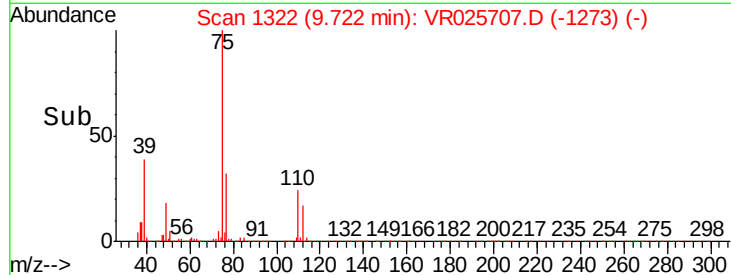
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 57.17 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

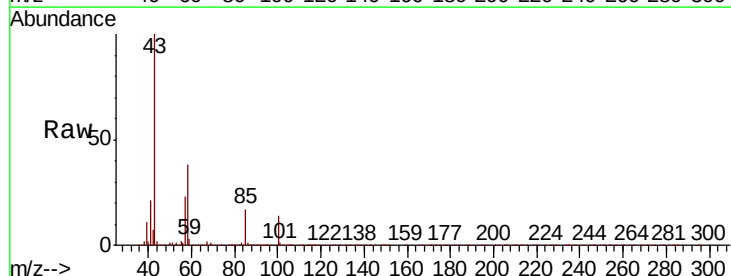
Tgt Ion: 43 Resp: 682234

Ion Ratio Lower Upper

43 100

58 39.2 30.6 46.0

100 14.4 11.7 17.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

600000

500000

400000

300000

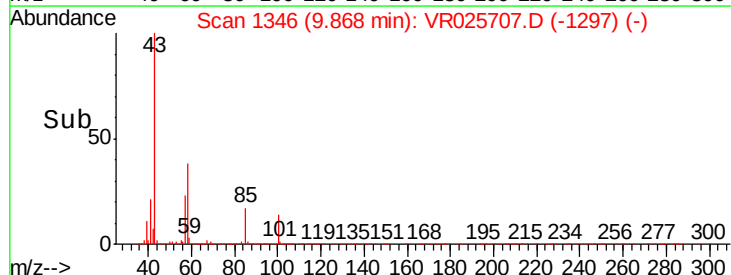
200000

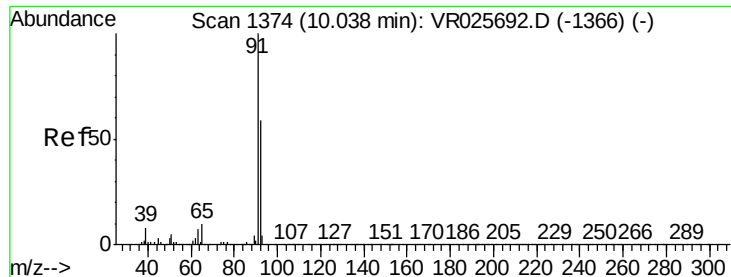
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.64 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

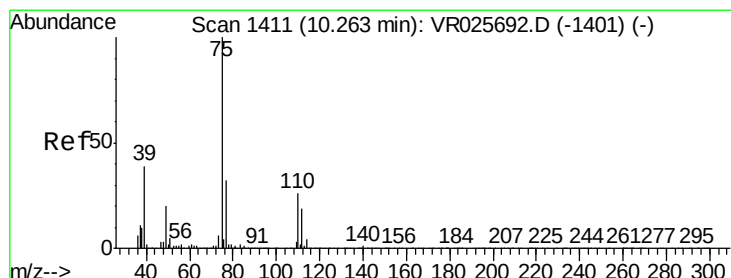
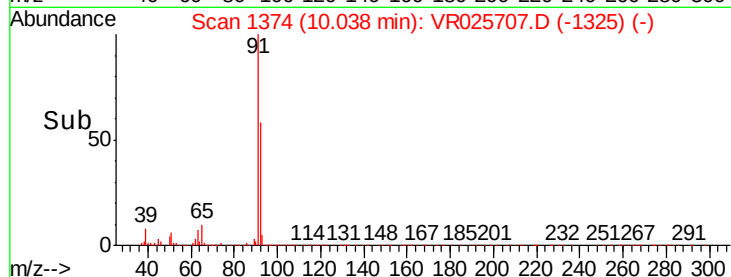
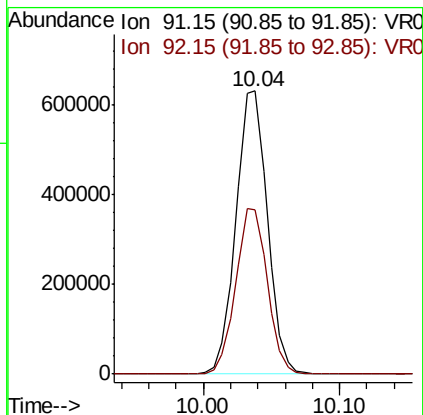
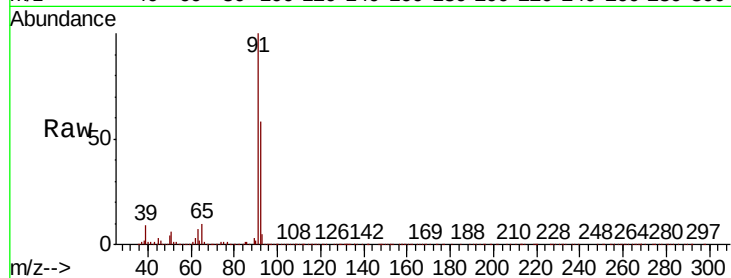
VSTD00598

Tot Ion: 91 Resp: 1017174

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.41 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025707.D

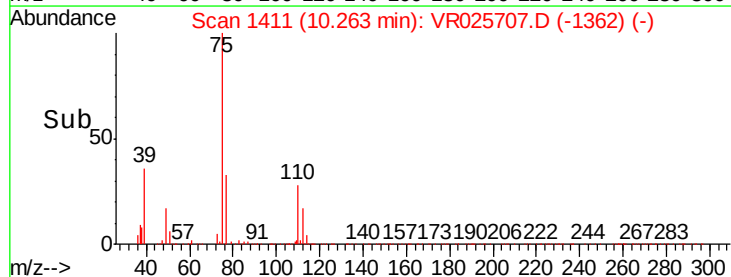
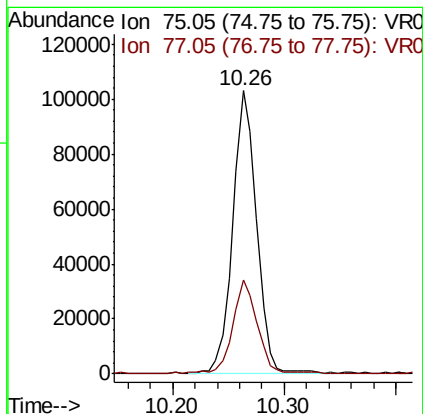
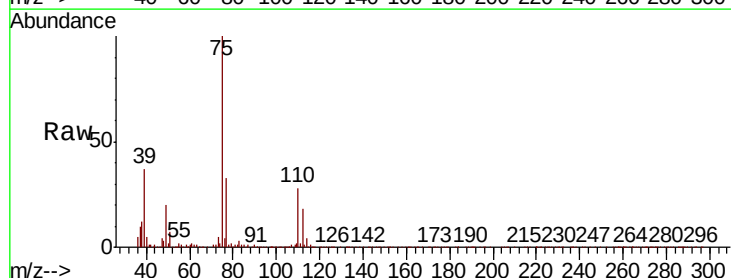
Acq: 12 Sep 2018 22:16

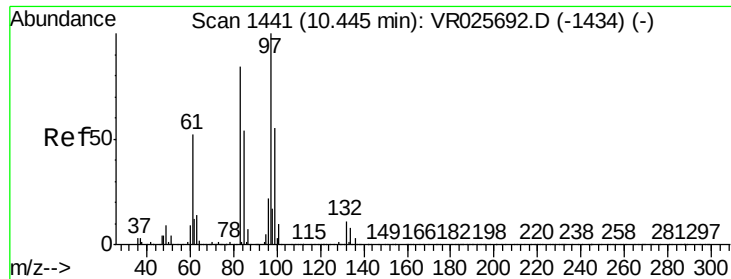
Tgt Ion: 75 Resp: 153024

Ion Ratio Lower Upper

75 100

77 33.1 20.7 38.5

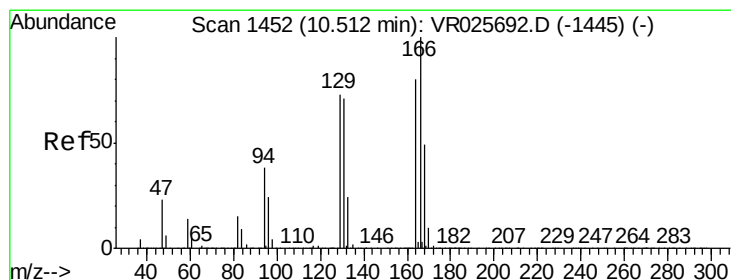
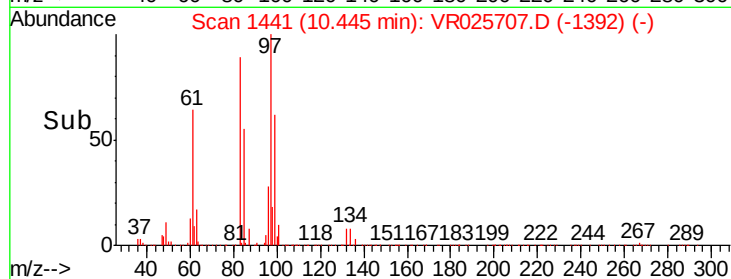
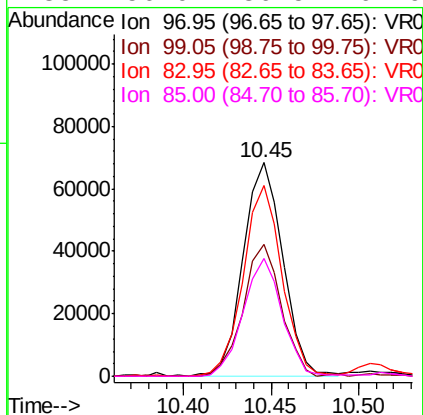
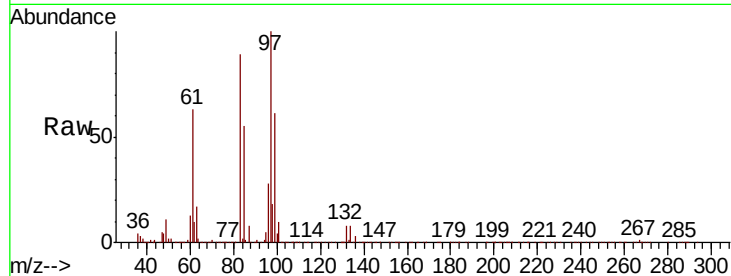




#45
 1,1,2-Trichloroethane
 Concen: 4.76 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

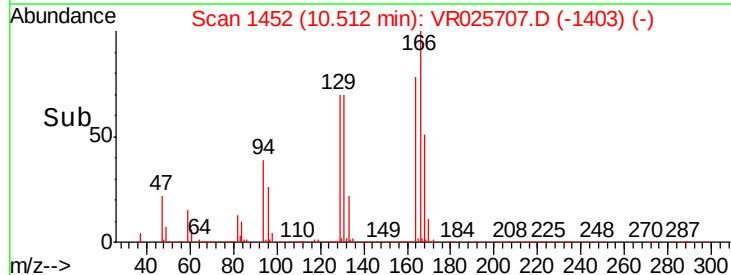
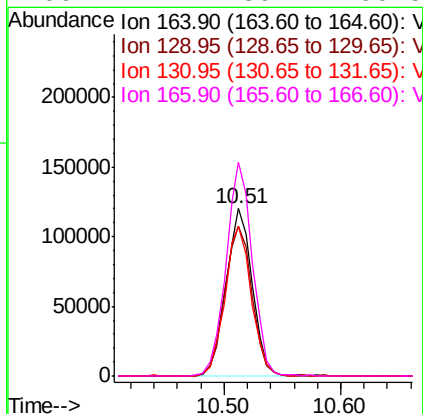
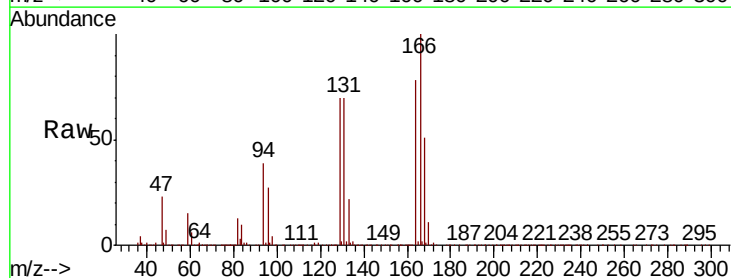
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

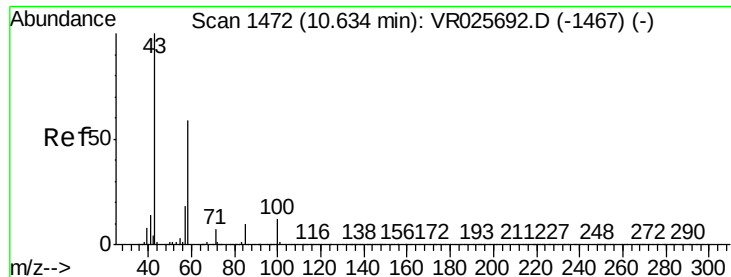
Tot Ion:	97	Resp:	107743
Ion	Ratio	Lower	Upper
97	100		
99	61.5	41.3	76.7
83	89.5	55.4	102.8
85	56.0	36.5	67.9



#47
 Tetrachloroethene
 Concen: 4.42 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion:	164	Resp:	187911
Ion	Ratio	Lower	Upper
164	100		
129	89.9	65.6	121.8
131	89.6	62.2	115.4
166	127.7	89.7	166.5

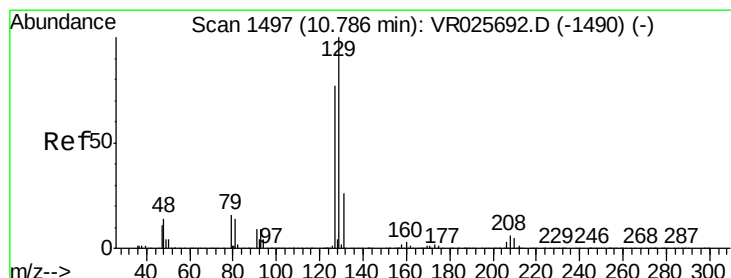
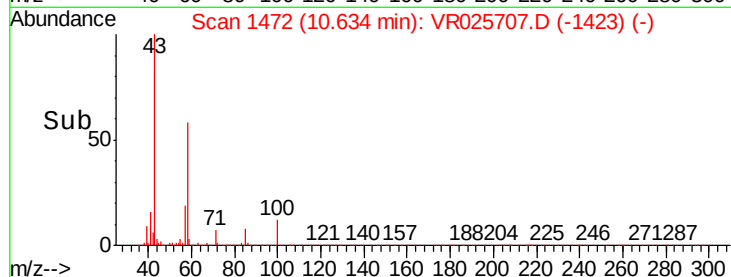
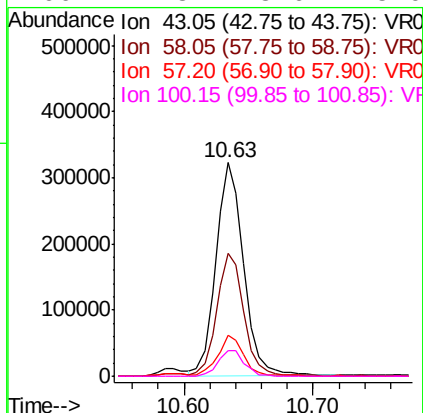
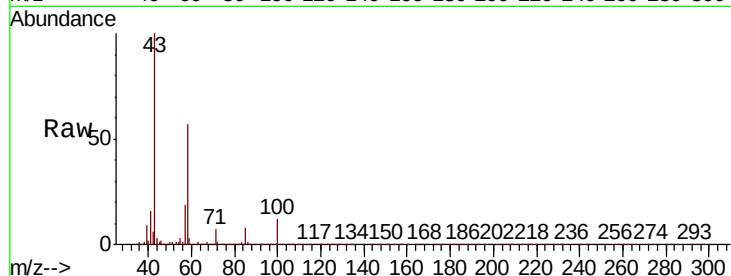




#48
2-Hexanone
Concen: 57.98 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

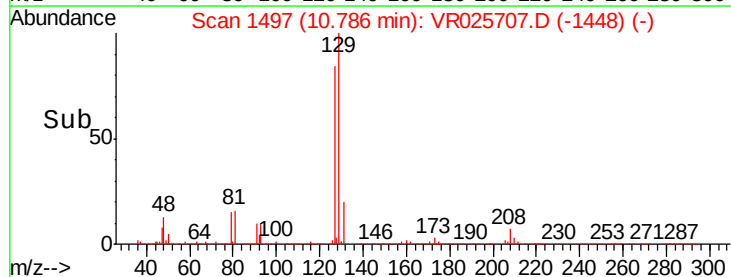
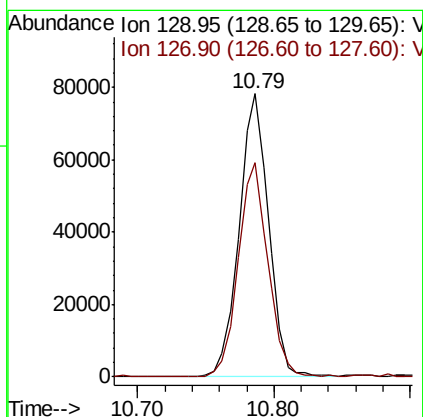
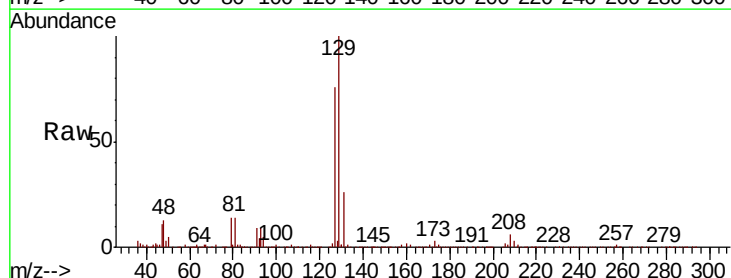
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

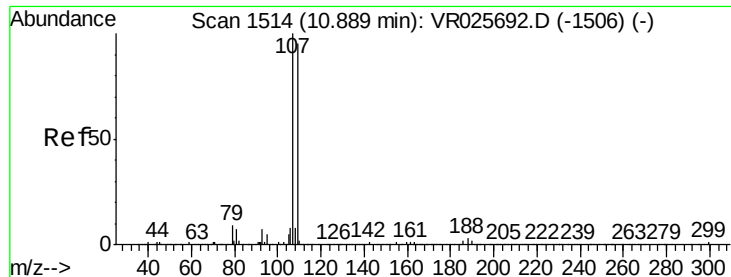
Tot Ion:	43	Resp:	485265
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.8	68.8
57	18.1	14.2	21.2
100	11.8	8.6	13.0



#49
Dibromochloromethane
Concen: 4.88 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion:	129	Resp:	117519
Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.1	100.5

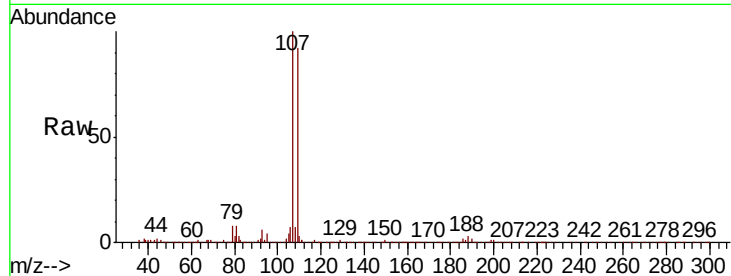




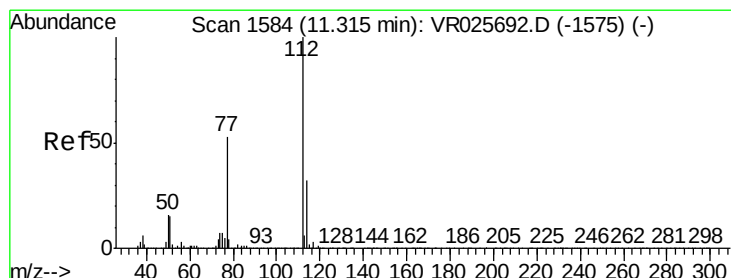
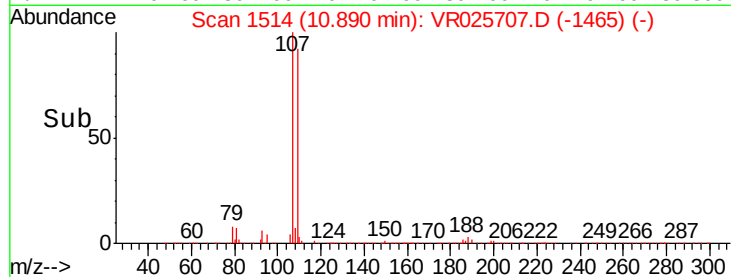
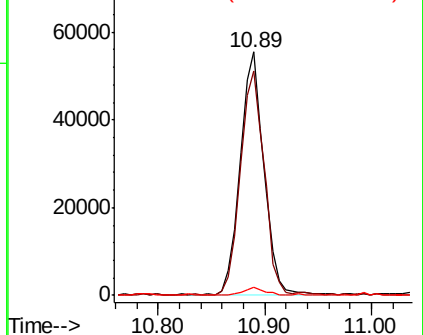
#50
1,2-Dibromoethane
Concen: 4.87 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Tot Ion:107 Resp: 87402
Ion Ratio Lower Upper
107 100
109 92.2 71.3 132.5
188 3.5 3.4 5.0

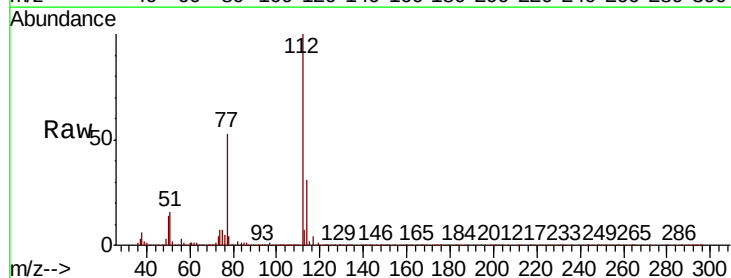


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

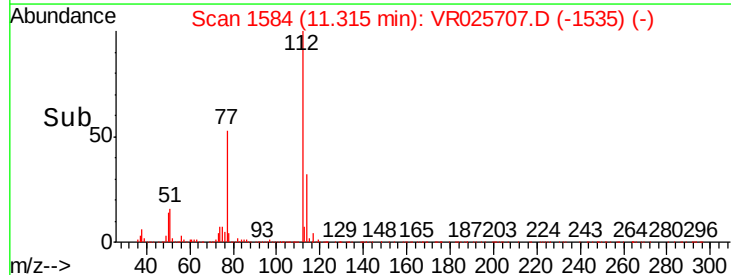
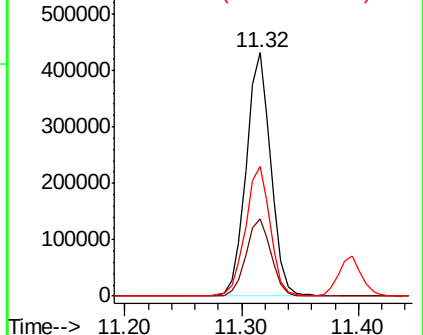


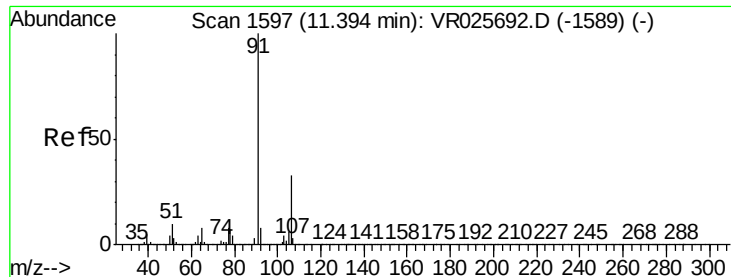
#51
Chlorobenzene
Concen: 4.60 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion:112 Resp: 634322
Ion Ratio Lower Upper
112 100
114 31.5 21.8 40.6
77 53.4 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 4.78 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

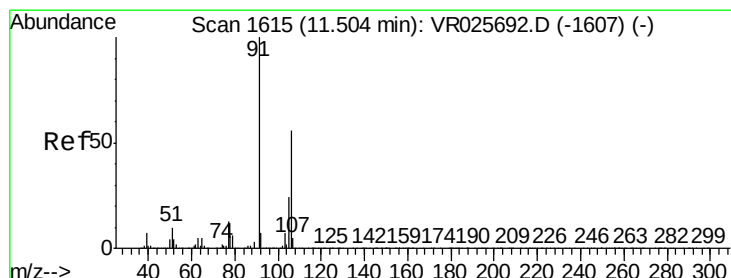
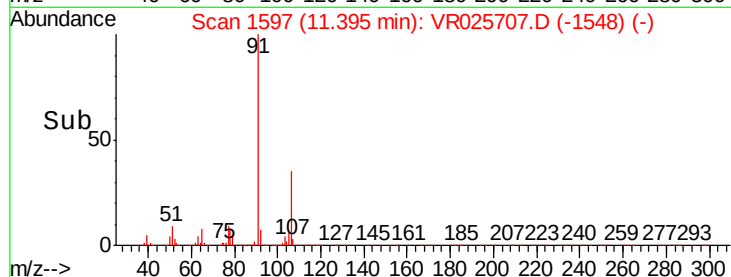
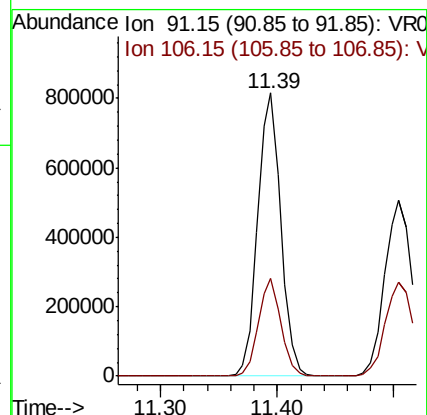
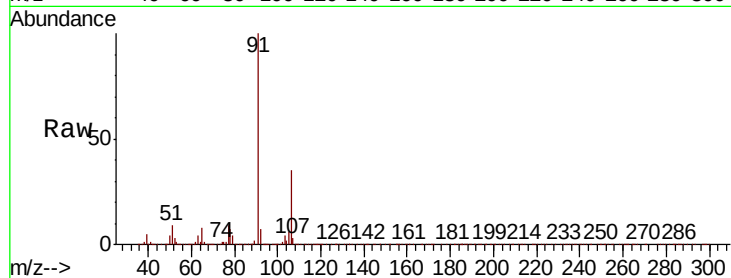
VSTD00598

Tot Ion: 91 Resp: 1128373

Ion Ratio Lower Upper

91 100

106 34.7 22.7 42.3



#53

m,p-Xylene

Concen: 4.77 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025707.D

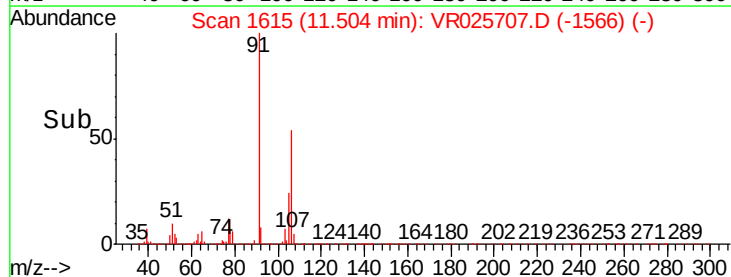
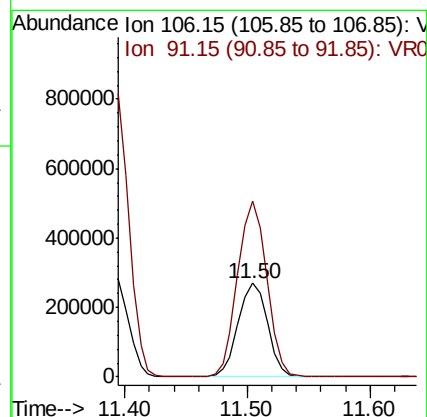
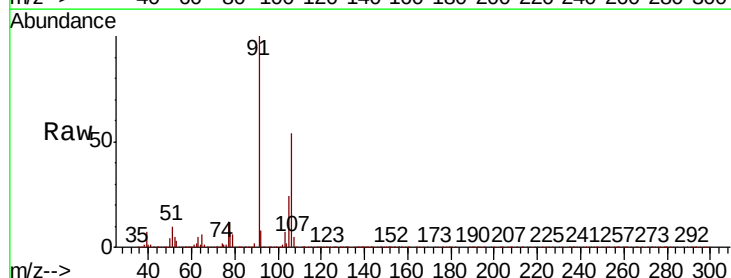
Acq: 12 Sep 2018 22:16

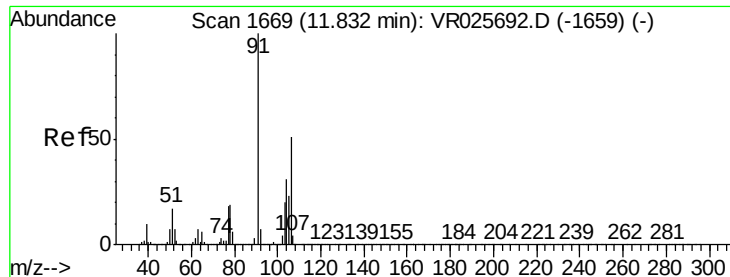
Tgt Ion:106 Resp: 453531

Ion Ratio Lower Upper

106 100

91 186.7 128.7 238.9

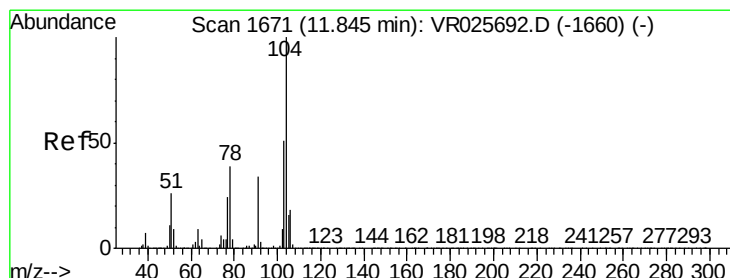
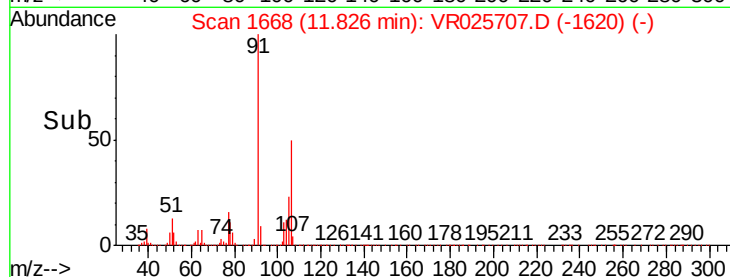
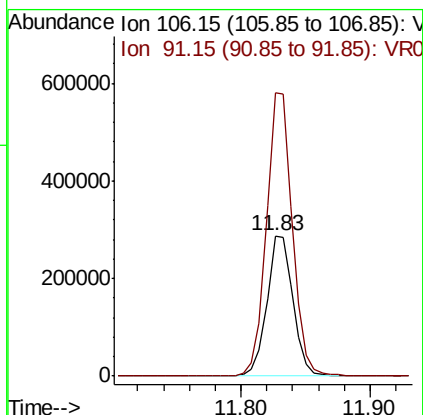
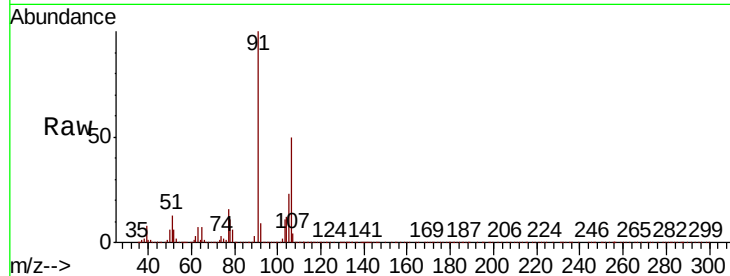




#54
o-Xylene
Concen: 4.82 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

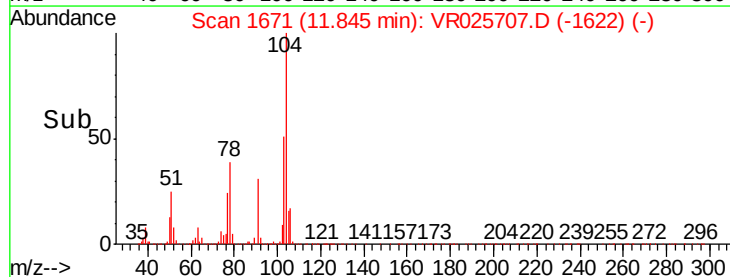
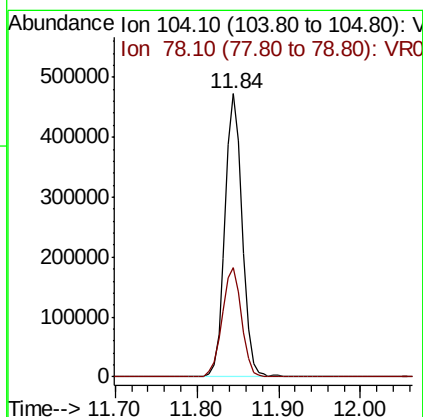
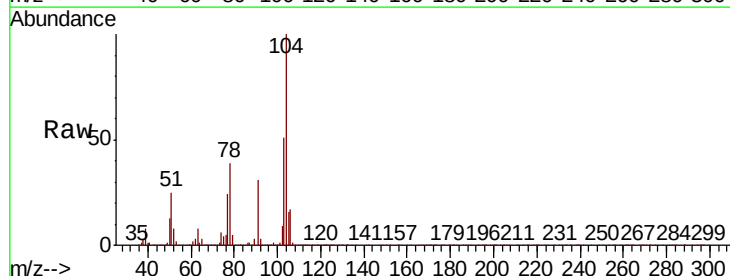
Instrument :
MSVOA_R
ClientSampled :
VSTD00598

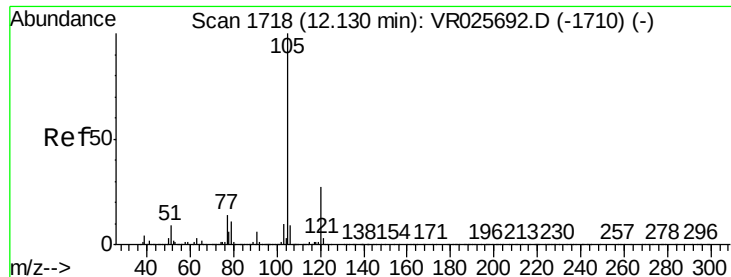
Tot Ion:106 Resp: 403465
Ion Ratio Lower Upper
106 100
91 201.2 139.2 258.6



#55
Styrene
Concen: 5.10 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025707.D
Acq: 12 Sep 2018 22:16

Tgt Ion:104 Resp: 687236
Ion Ratio Lower Upper
104 100
78 38.7 27.6 51.2





#56

Isopropylbenzene

Concen: 5.17 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampled :

VSTD00598

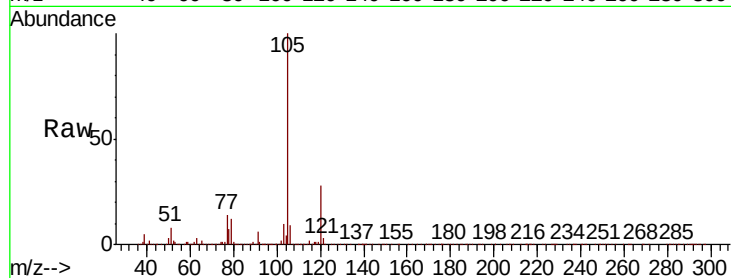
Tot Ion:105 Resp: 1078163

Ion Ratio Lower Upper

105 100

120 28.0 22.8 34.2

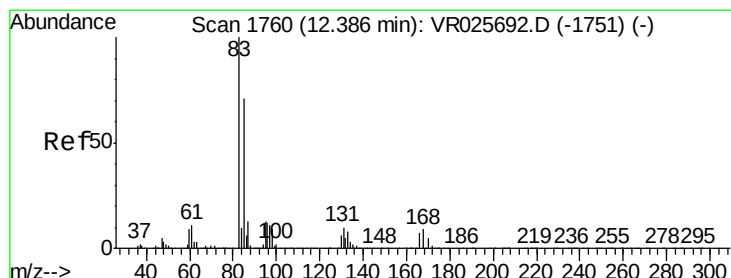
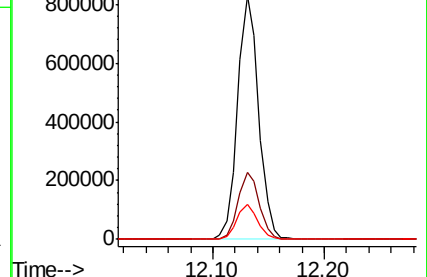
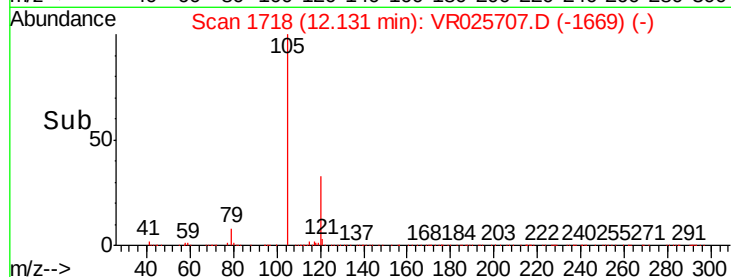
77 14.5 11.8 17.8



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: 5.29 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

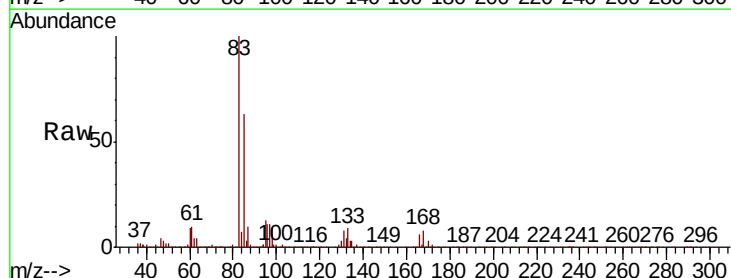
Tgt Ion: 83 Resp: 116570

Ion Ratio Lower Upper

83 100

85 63.3 47.9 88.9

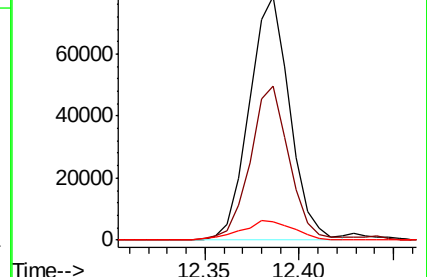
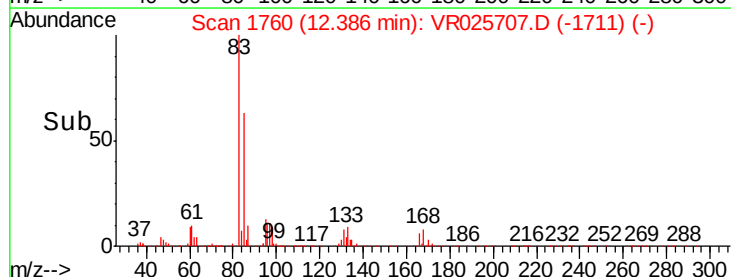
131 7.6 8.2 12.4#

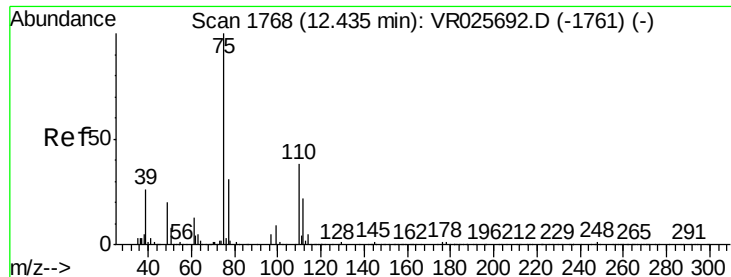


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.95 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

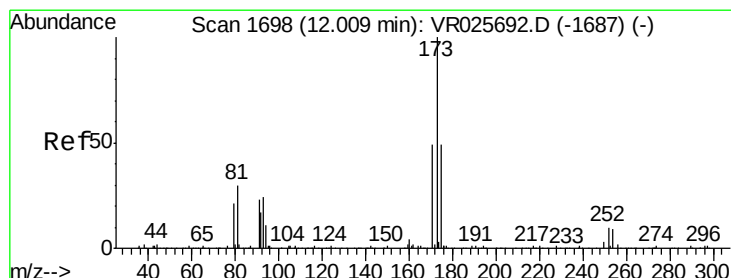
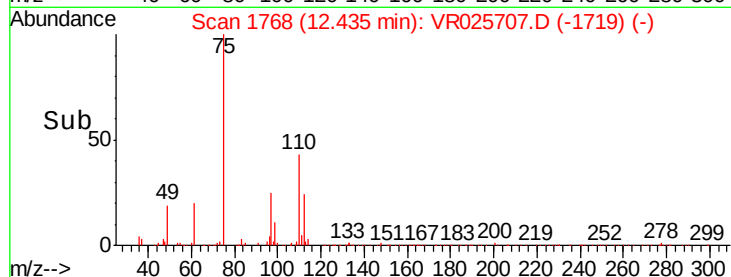
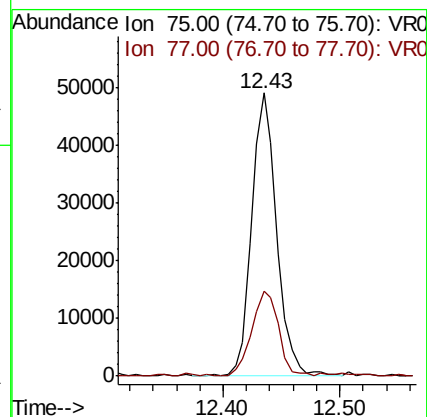
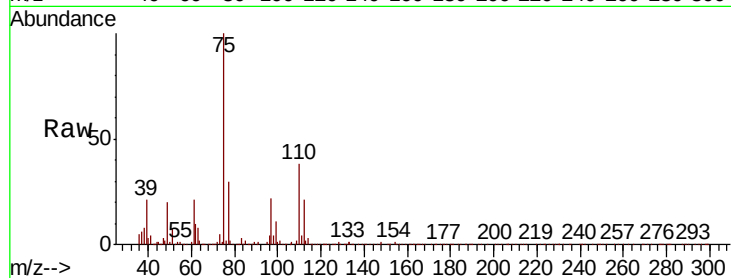
VSTD00598

Tot Ion: 75 Resp: 73349

Ion Ratio Lower Upper

75 100

77 31.8 27.8 41.8



#61

Bromoform

Concen: 4.24 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

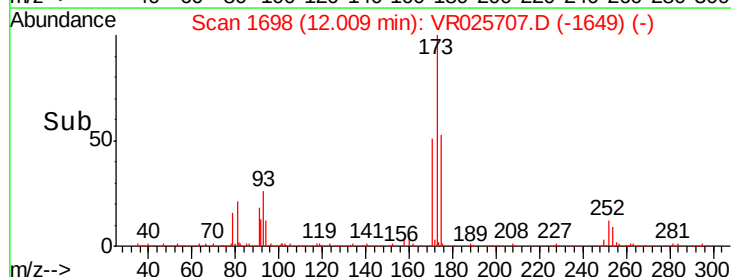
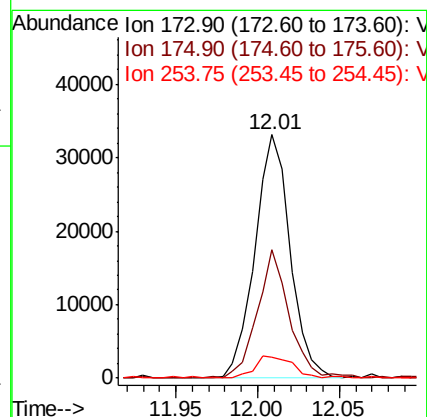
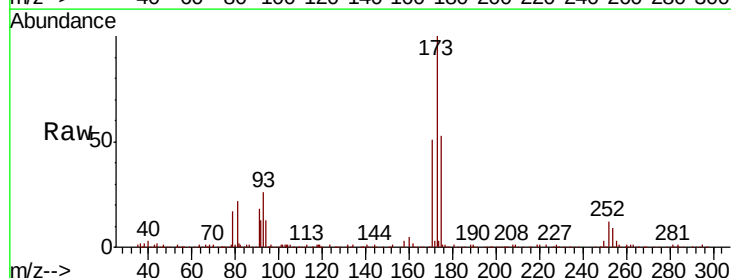
Tgt Ion:173 Resp: 49955

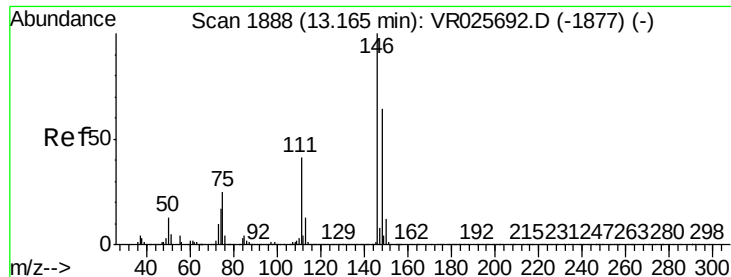
Ion Ratio Lower Upper

173 100

175 48.4 41.9 62.9

254 10.0 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 4.20 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

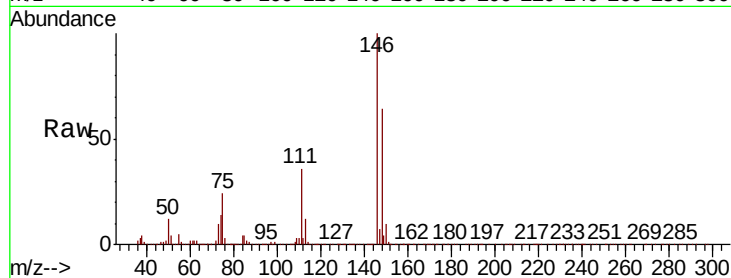
Tot Ion:146 Resp: 361782

Ion Ratio Lower Upper

146 100

111 35.9 25.4 47.2

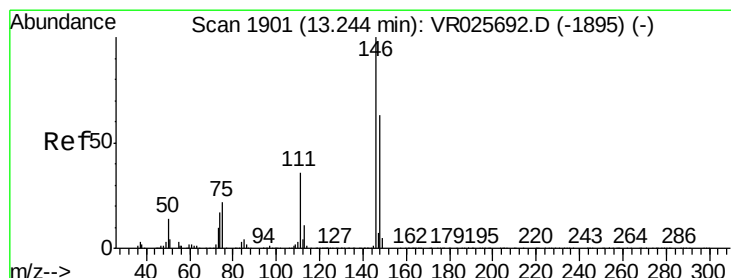
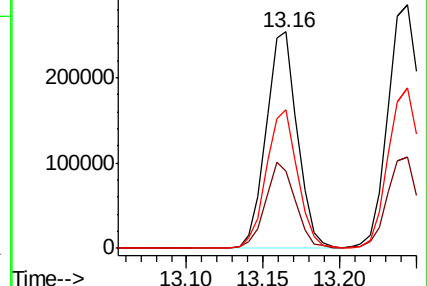
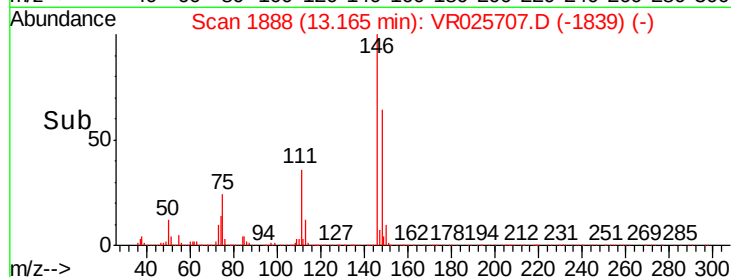
148 64.4 46.9 87.1



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: 4.28 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

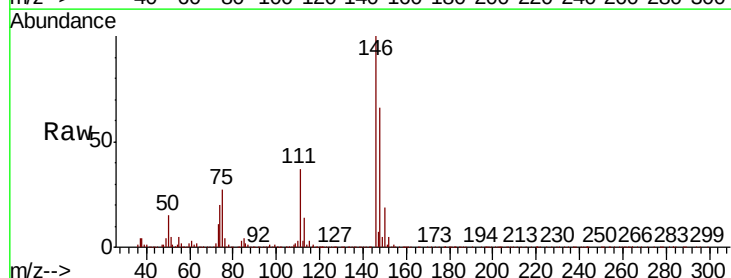
Tgt Ion:146 Resp: 419094

Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.6

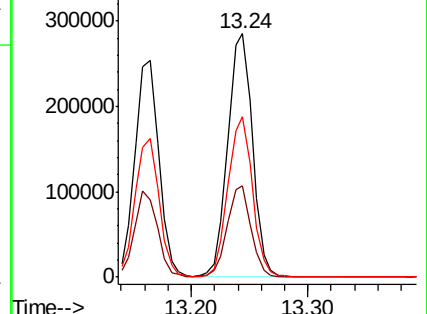
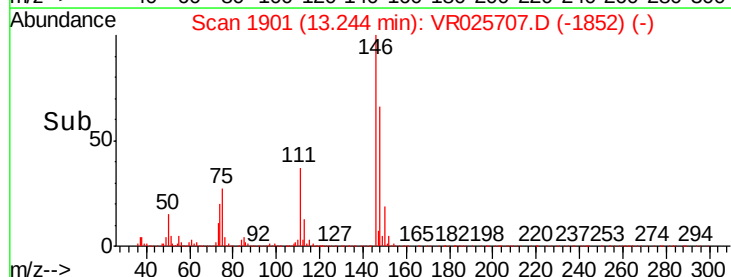
148 65.6 42.7 79.3

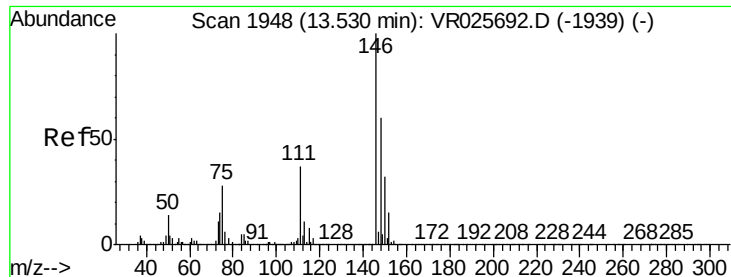


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

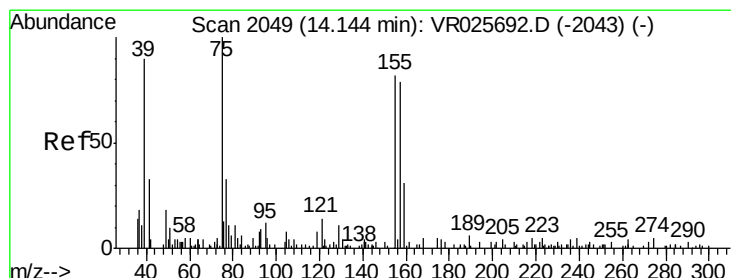
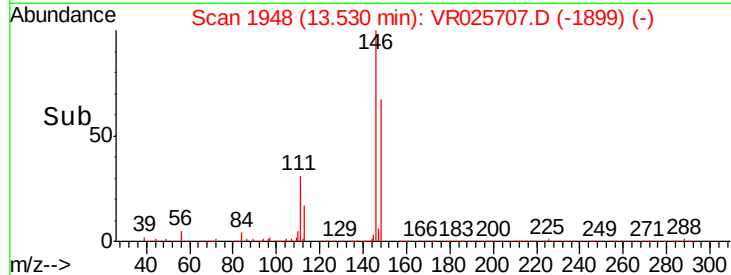
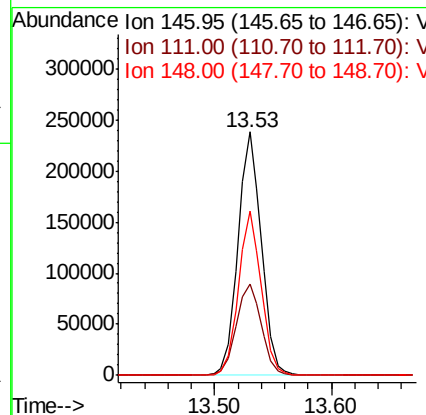
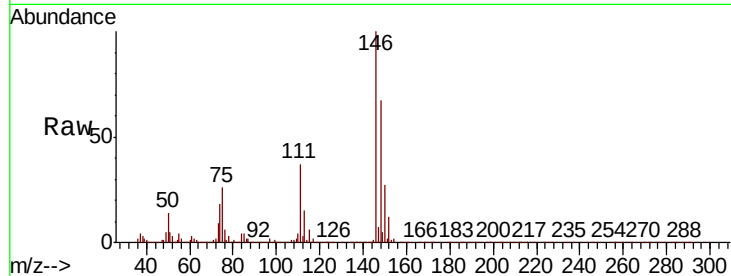




#65
 1,2-Dichlorobenzene
 Concen: 4.46 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

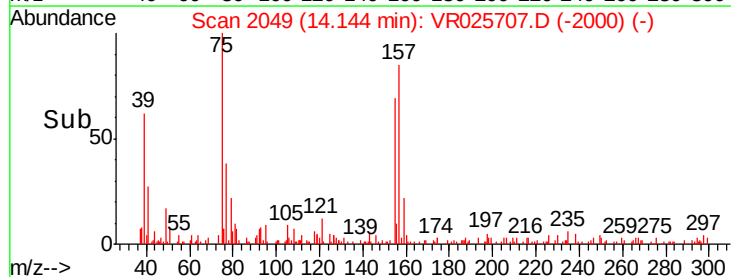
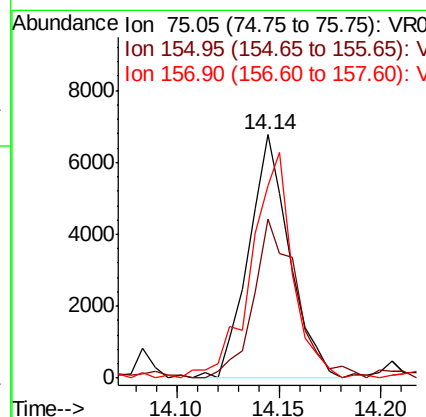
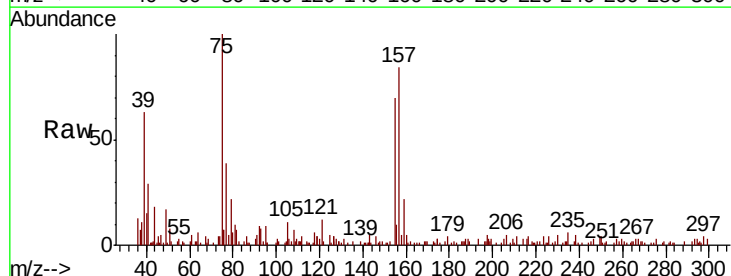
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

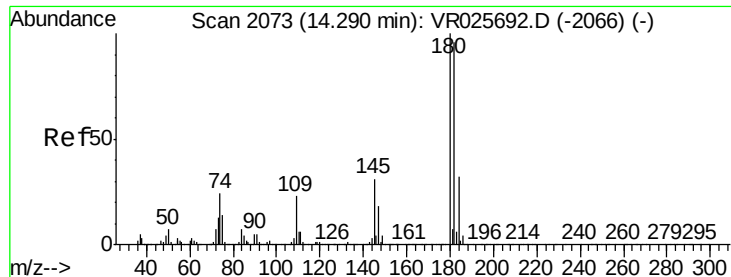
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	35.2	52.8
148	67.3	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.32 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.4	79.3	118.9#
157	78.9	81.4	122.2#

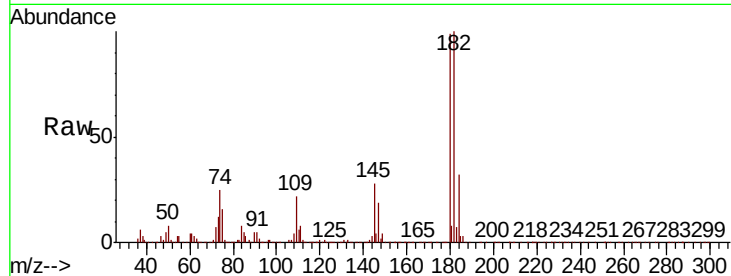




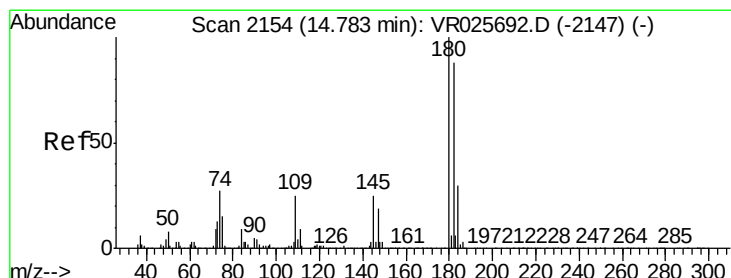
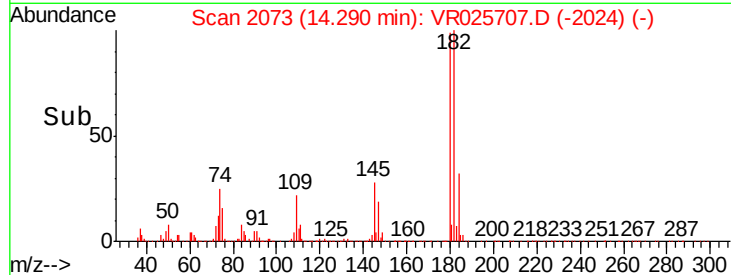
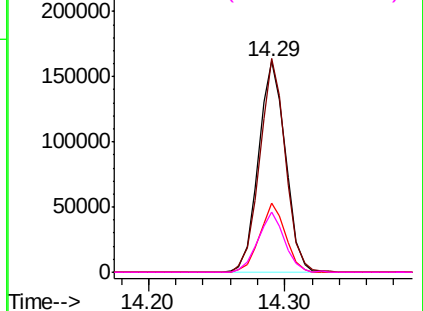
#67
 1,3,5-Trichlorobenzene
 Concen: 4.41 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tot Ion:	180	Resp:	225613
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.9	113.9
184	31.0	24.0	36.0
145	28.0	23.0	34.4

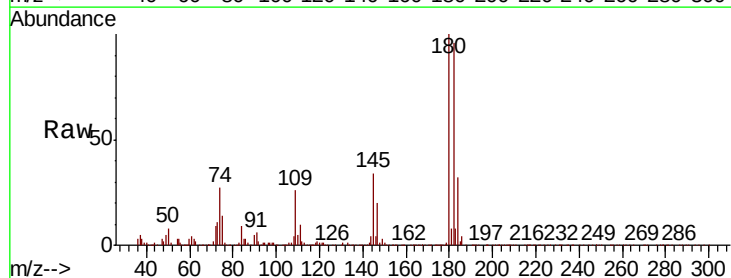


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

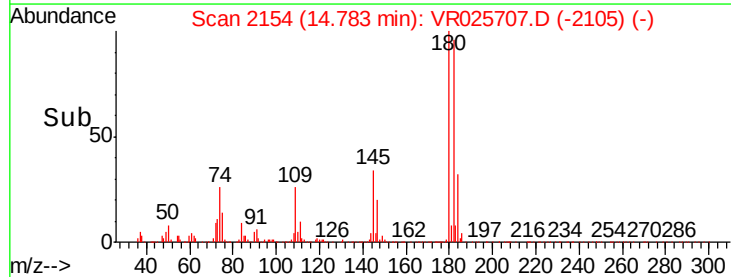
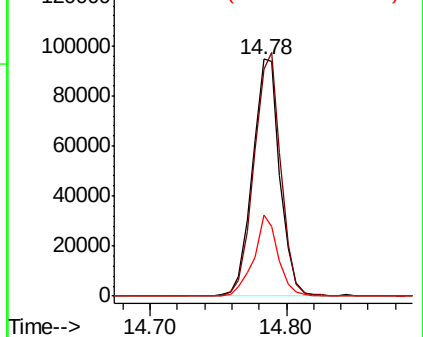


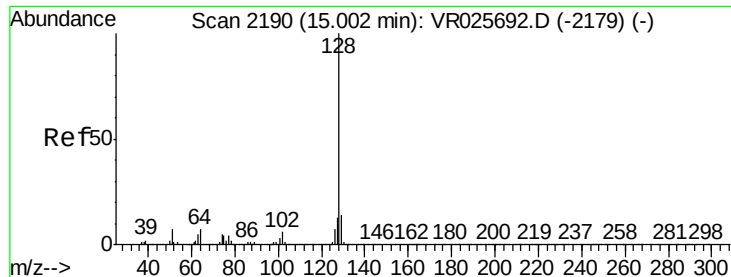
#68
 1,2,4-trichlorobenzene
 Concen: 4.26 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025707.D
 Acq: 12 Sep 2018 22:16

Tgt Ion:	180	Resp:	133664
Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.6	115.0
145	30.4	24.8	37.2



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: 4.44 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

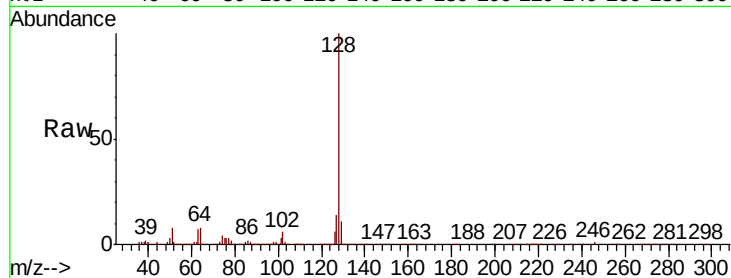
Tot Ion:128 Resp: 156022

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.2 9.0 13.6

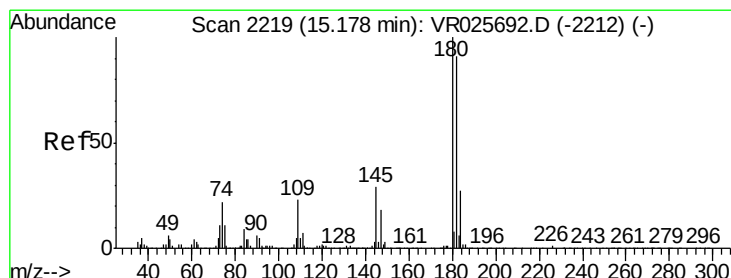
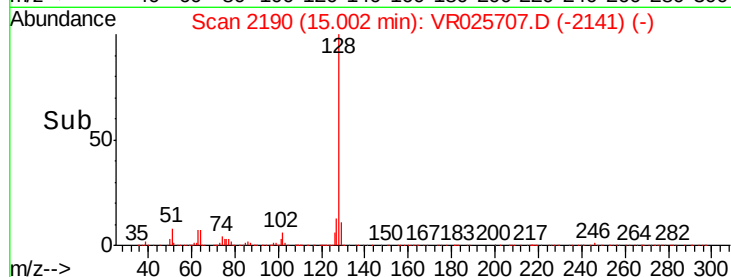
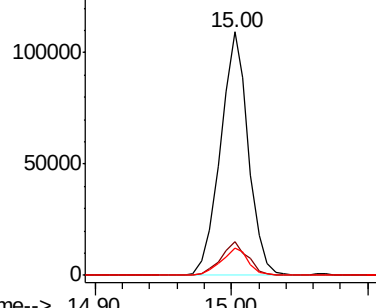


Abundance

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: 5.08 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025707.D

Acq: 12 Sep 2018 22:16

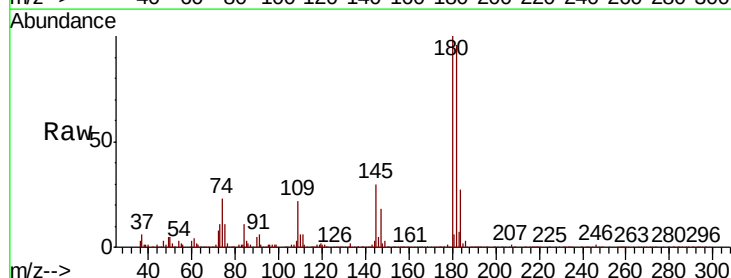
Tgt Ion:180 Resp: 126101

Ion Ratio Lower Upper

180 100

182 94.6 80.2 120.4

145 30.8 25.8 38.6



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

