

Data File : VR025804.D
Acq On : 21 Sep 2018 16:54
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

Quant Time: Sep 22 04:29:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 16:31:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	514721	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	411615	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	147211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	170755	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	2.63	69	131330	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.61	63	413363	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	6.59	46	244479	49.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	7.20	84	381444	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	7.90	65	161355	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	7.85	84	734046	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	8.90	67	198814	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	9.97	98	658698	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	10.24	79	54220	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	10.59	63	188289	48.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80725	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	117911	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	252214	4.705	ug/L	99
3) Chloromethane	2.01	50	260456	4.463	ug/L	99
5) Vinyl chloride	2.16	62	249693	4.517	ug/L	98
6) Bromomethane	2.52	94	139006	4.424	ug/L	99
8) Chloroethane	2.66	64	140513	4.473	ug/L	96
9) Trichlorofluoromethane	2.93	101	139026	2.028	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	192882	4.618	ug/L	98
12) 1,1-Dichloroethene	3.62	96	201737	4.543	ug/L	93
13) Acetone	3.69	43	168767	52.053	ug/L	94
14) Carbon disulfide	3.92	76	581823	4.657	ug/L	98
15) Methyl Acetate	4.19	43	51780	4.978	ug/L #	90
16) Methylene chloride	4.40	84	175967	4.408	ug/L	94
17) Methyl tert-butyl Ether	4.88	73	365345	4.705	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	233949	4.657	ug/L	95
19) 1,1-Dichloroethane	5.69	63	477667	4.651	ug/L	96
21) 2-Butanone	6.69	43	325101	48.111	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	238768	4.719	ug/L #	100

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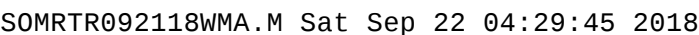
Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

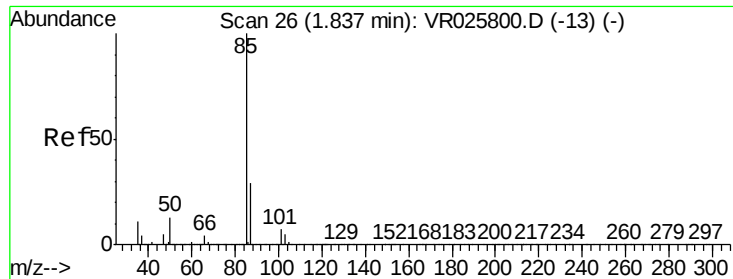
Quant Time: Sep 22 04:29:35 2018
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	61531	4.614	ug/L	99
25) Chloroform	7.23	83	444394	4.706	ug/L	99
27) 1,2-Dichloroethane	7.99	62	230940	4.732	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	386747	4.652	ug/L	99
30) Cyclohexane	7.51	56	466410	4.706	ug/L	98
31) Carbon tetrachloride	7.63	117	327477	4.787	ug/L	99
33) Benzene	7.91	78	1012270	4.685	ug/L	100
34) Trichloroethene	8.71	95	262984	4.586	ug/L	99
35) Methylcyclohexane	8.95	83	444266	4.724	ug/L	99
37) 1,2-Dichloropropane	8.99	63	228752	4.748	ug/L	100
38) Bromodichloromethane	9.28	83	250429	4.708	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	288326	4.888	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	813265	48.485	ug/L	99
42) Toluene	10.04	91	1044074	4.741	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	199741	4.887	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	96139	4.760	ug/L	97
47) Tetrachloroethene	10.51	164	149034	4.544	ug/L	96
48) 2-Hexanone	10.63	43	529787	48.027	ug/L	100
49) Dibromochloromethane	10.79	129	103209	4.905	ug/L	100
50) 1,2-Dibromoethane	10.89	107	82009	4.613	ug/L #	95
51) Chlorobenzene	11.32	112	537559	4.653	ug/L	98
52) Ethylbenzene	11.39	91	1206666	4.762	ug/L	99
53) m,p-Xylene	11.50	106	423788	4.638	ug/L	98
54) o-Xylene	11.83	106	391003	4.674	ug/L	96
55) Styrene	11.84	104	607783	4.689	ug/L	98
56) Isopropylbenzene	12.13	105	1124702	4.804	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	96697	4.879	ug/L	92
59) 1,2,3-Trichloropropane	12.43	75	73994	4.703	ug/L	97
61) Bromoform	12.01	173	32025	4.662	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	317937	4.667	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	305488	4.646	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	244228	4.709	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	11010	4.644	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	178630	4.649	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	116367	4.760	ug/L	98
69) Naphthalene	15.00	128	172177	4.839	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	80298	4.623	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.705 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

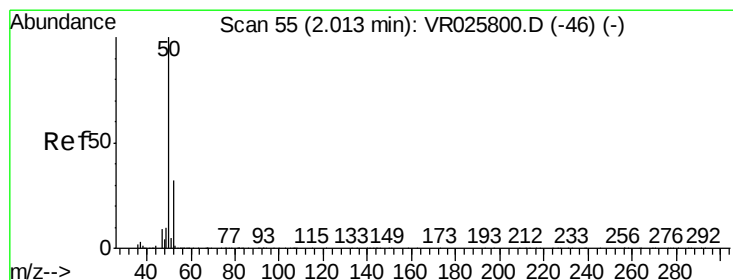
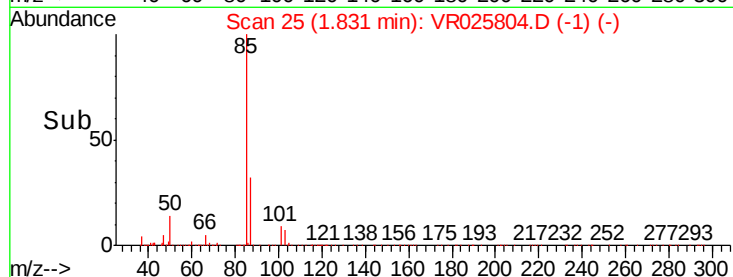
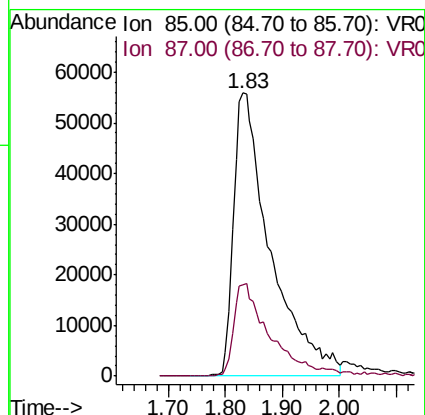
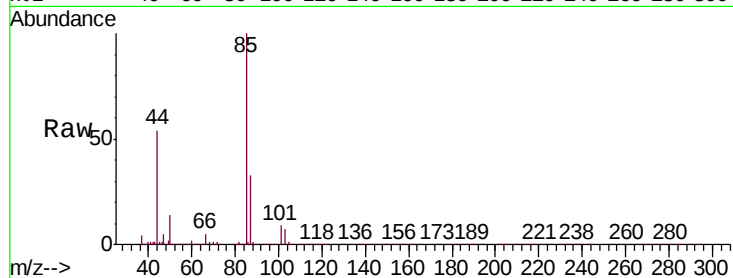
VSTD00525

Tgt Ion: 85 Resp: 252214

Ion Ratio Lower Upper

85 100

87 30.9 25.1 37.7



#3

Chloromethane

Concen: 4.463 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR025804.D

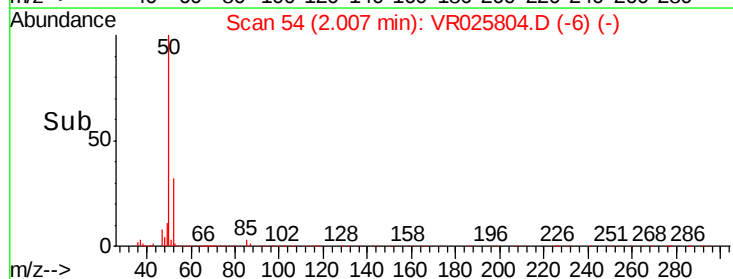
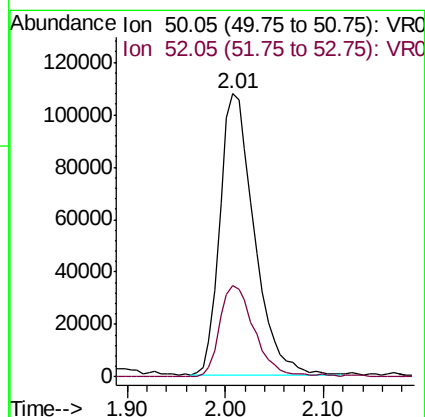
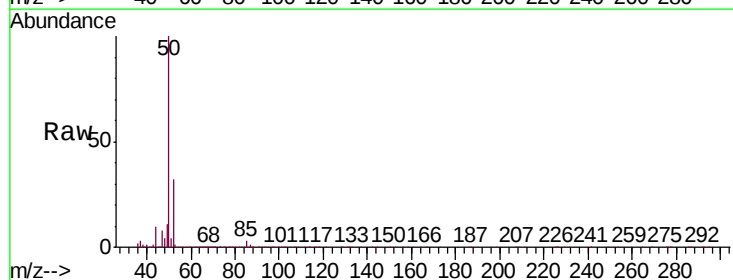
Acq: 21 Sep 2018 16:54

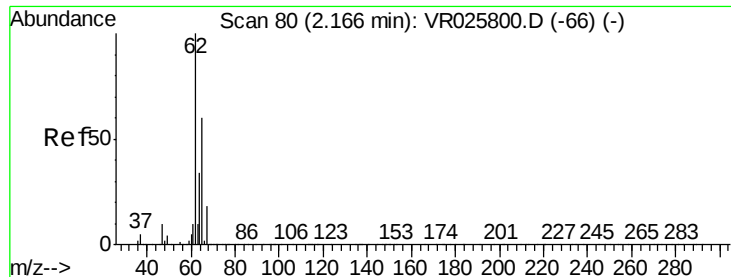
Tgt Ion: 50 Resp: 260456

Ion Ratio Lower Upper

50 100

52 32.3 22.1 41.1





#5

Vinyl chloride

Concen: 4.517 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

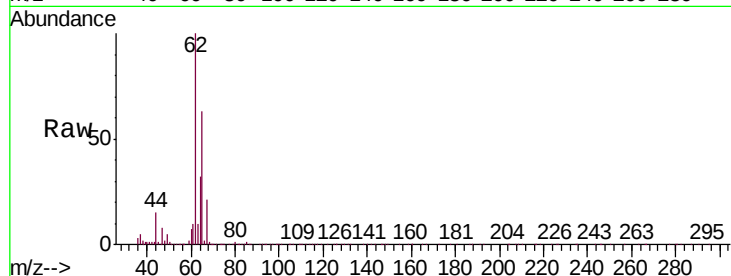
VSTD00525

Tgt Ion: 62 Resp: 249693

Ion Ratio Lower Upper

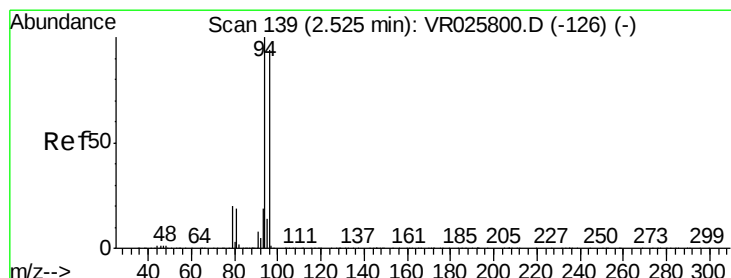
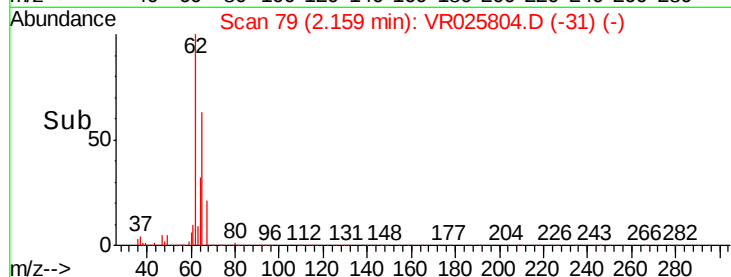
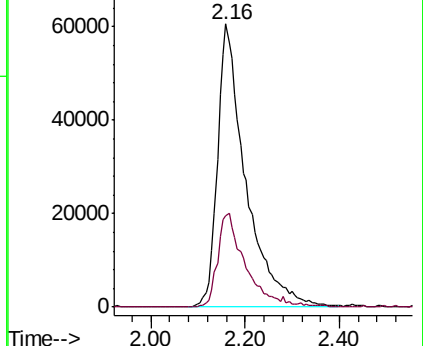
62 100

64 32.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.424 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR025804.D

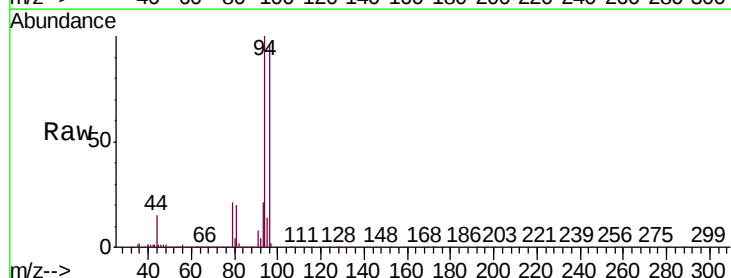
Acq: 21 Sep 2018 16:54

Tgt Ion: 94 Resp: 139006

Ion Ratio Lower Upper

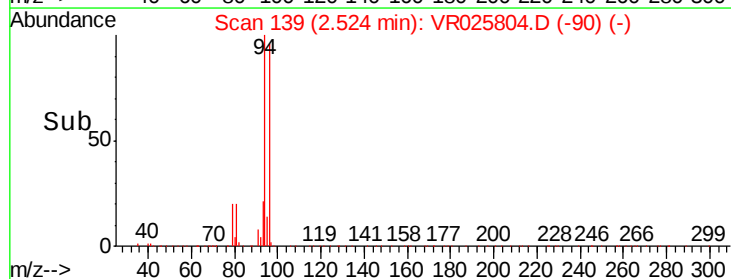
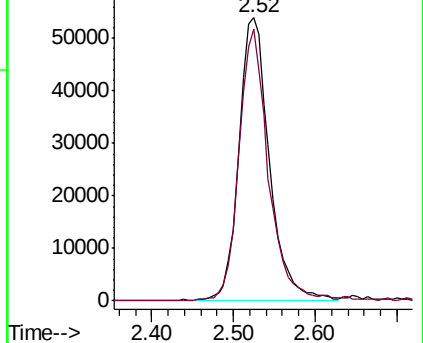
94 100

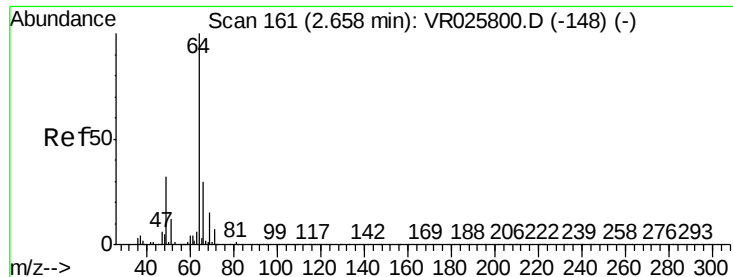
96 95.9 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.473 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

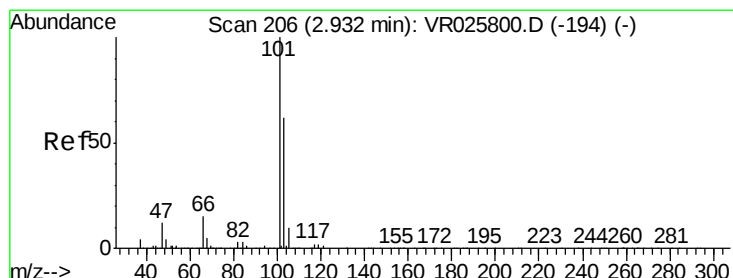
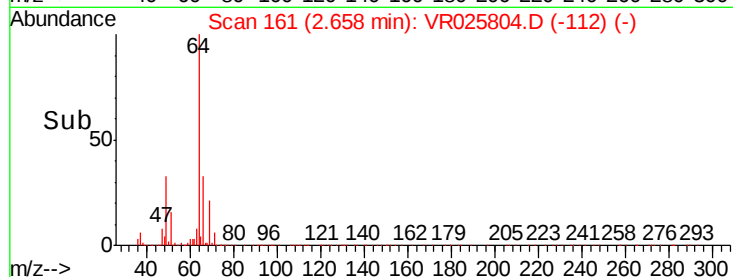
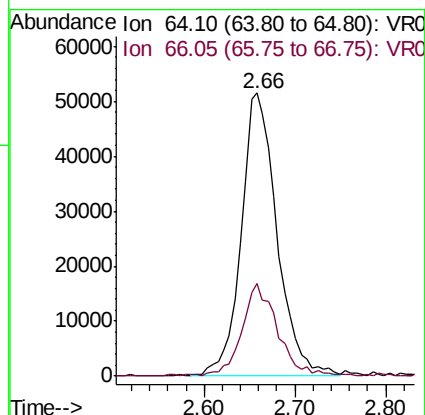
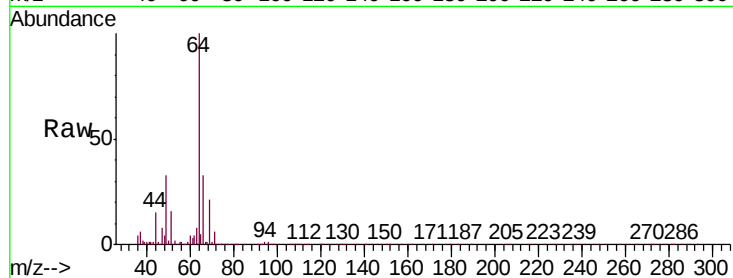
VSTD00525

Tgt Ion: 64 Resp: 140513

Ion Ratio Lower Upper

64 100

66 32.7 21.3 39.5



#9

Trichlorofluoromethane

Concen: 2.028 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR025804.D

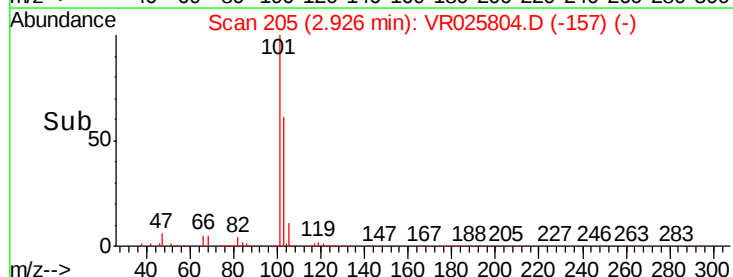
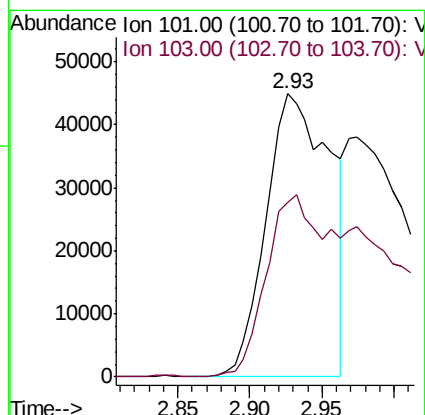
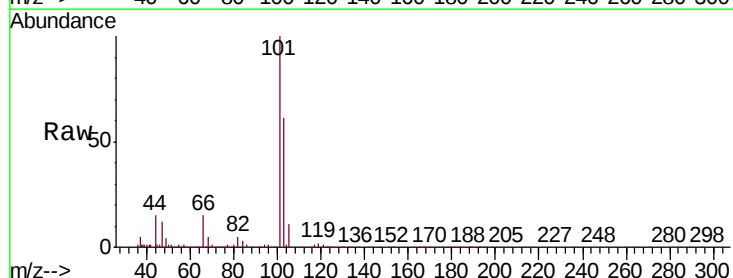
Acq: 21 Sep 2018 16:54

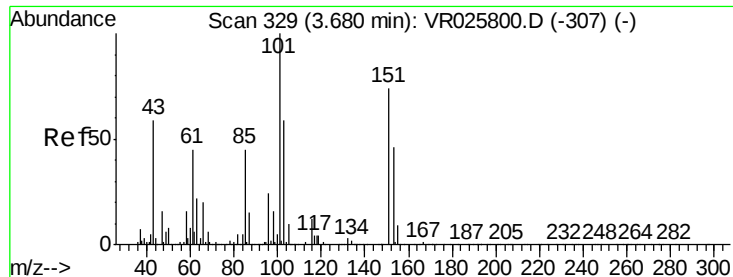
Tgt Ion: 101 Resp: 139026

Ion Ratio Lower Upper

101 100

103 51.2 22.1 33.1#





#10

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

Concen: 4.618 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00525

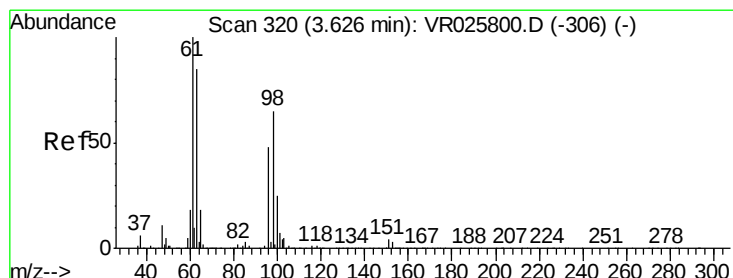
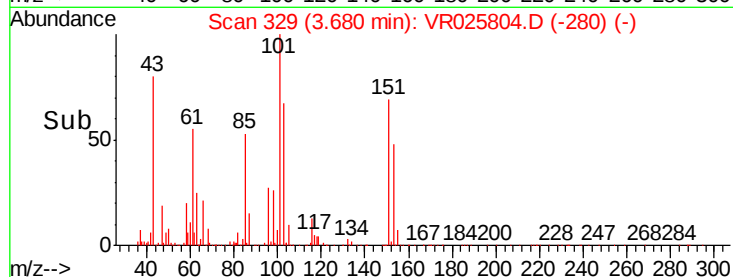
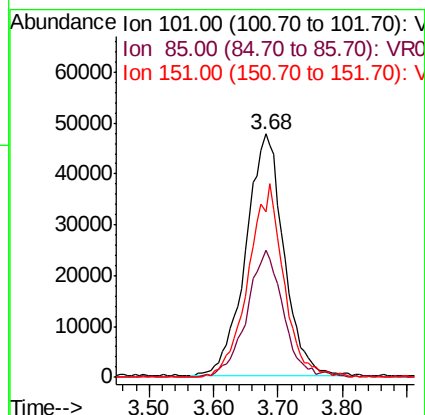
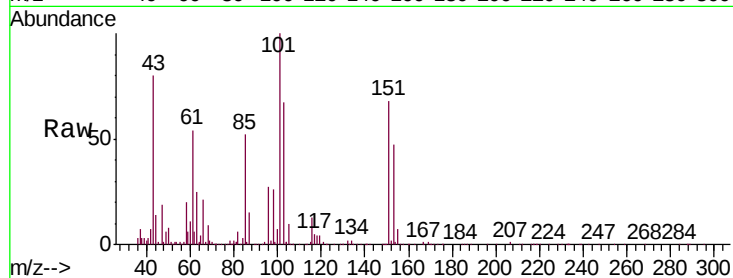
Tgt Ion:101 Resp: 192882

Ion Ratio Lower Upper

101 100

85 50.0 38.2 57.4

151 74.3 58.4 87.6



#12

1,1-Dichloroethene

Concen: 4.543 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

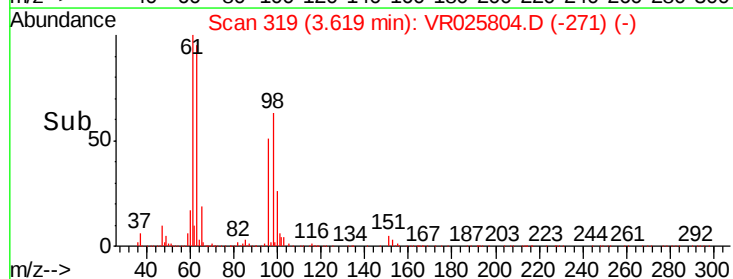
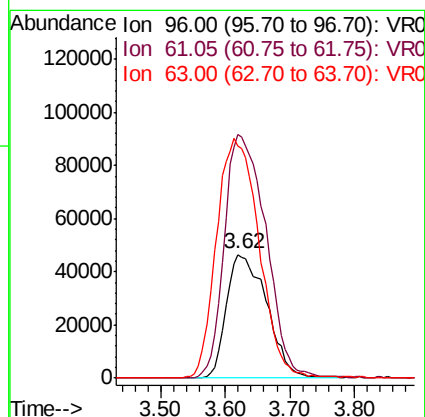
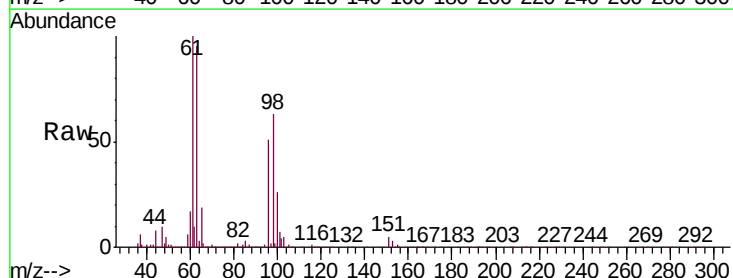
Tgt Ion: 96 Resp: 201737

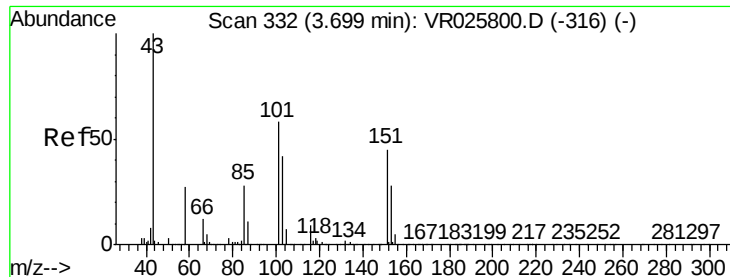
Ion Ratio Lower Upper

96 100

61 197.2 145.0 269.4

63 188.1 123.8 230.0





#13

Acetone

Concen: 52.053 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

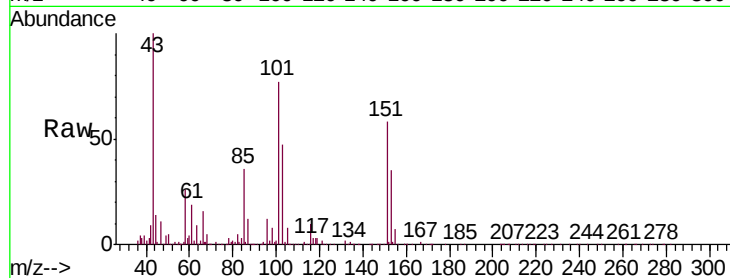
VSTD00525

Tgt Ion: 43 Resp: 168767

Ion Ratio Lower Upper

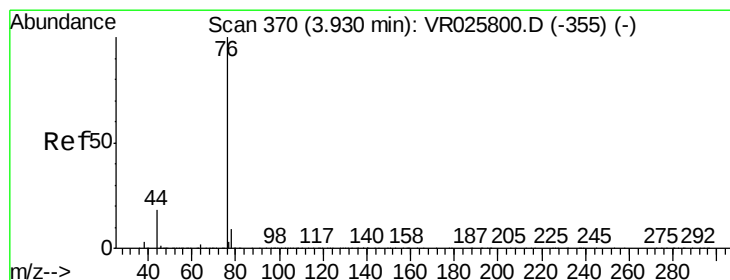
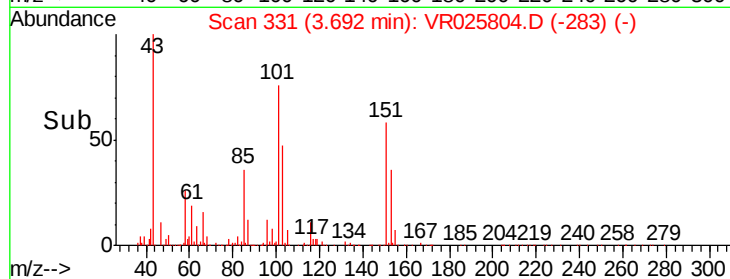
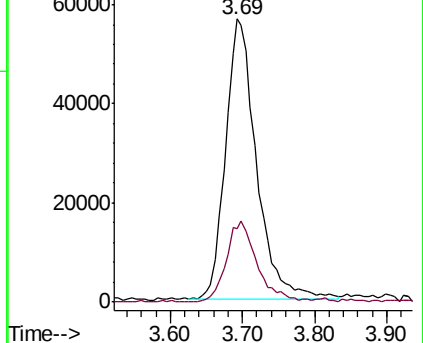
43 100

58 28.9 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.657 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR025804.D

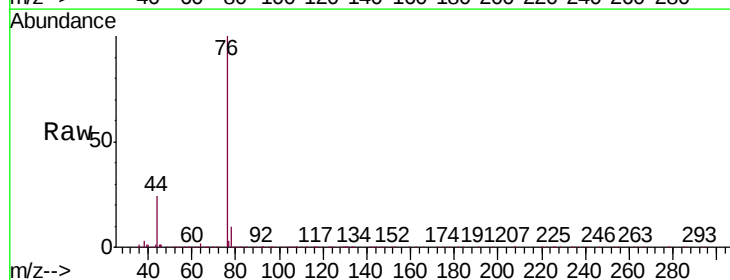
Acq: 21 Sep 2018 16:54

Tgt Ion: 76 Resp: 581823

Ion Ratio Lower Upper

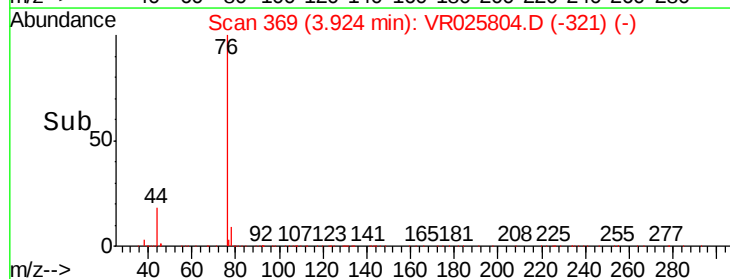
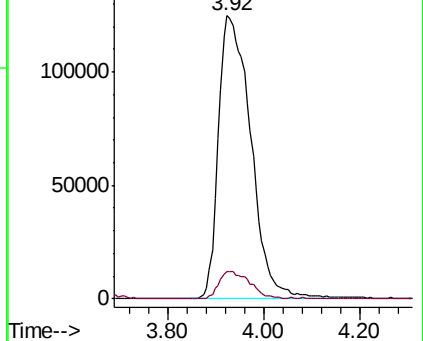
76 100

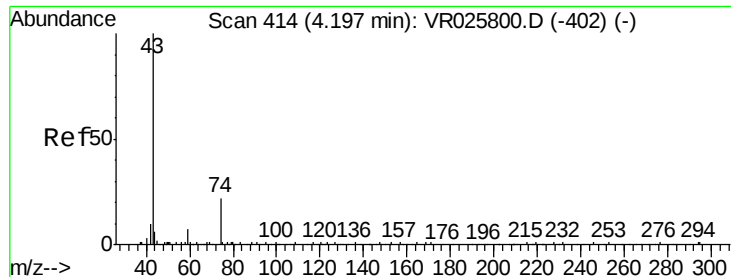
78 9.6 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

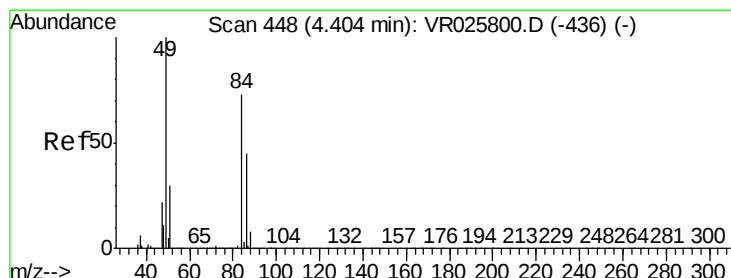
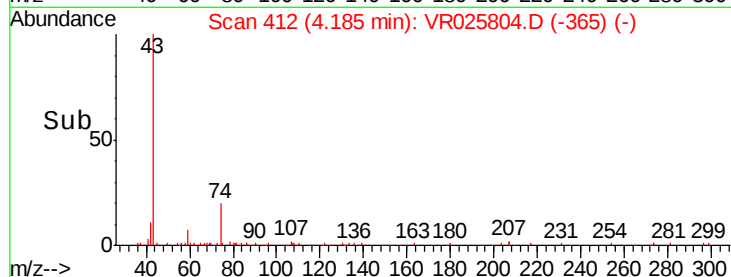
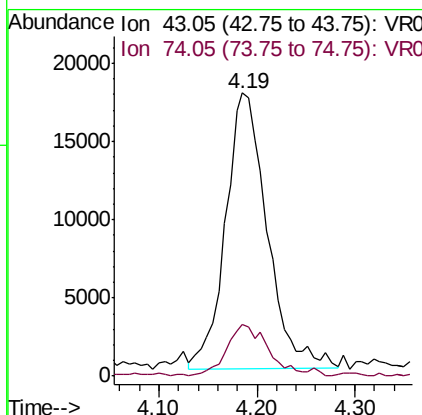
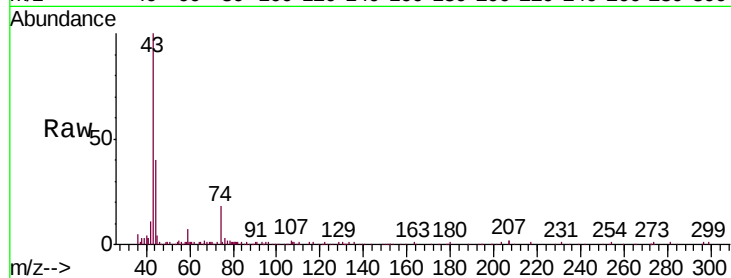




#15
Methyl Acetate
Concen: 4.978 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

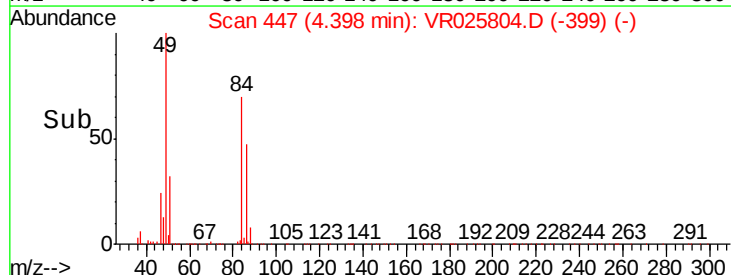
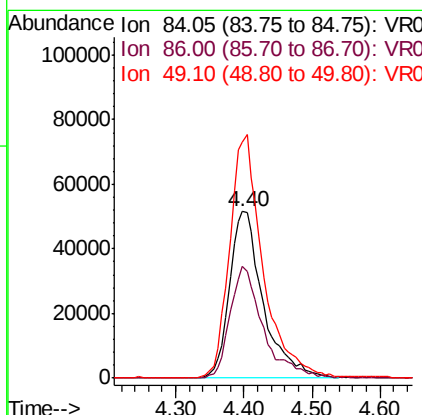
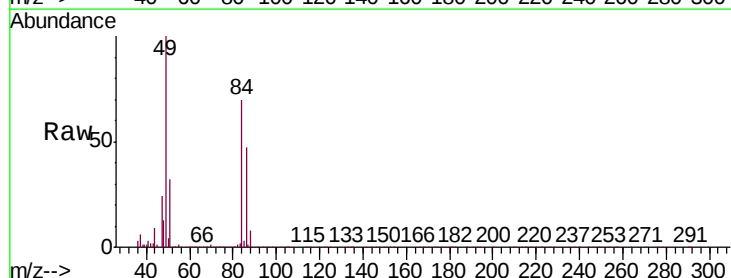
Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

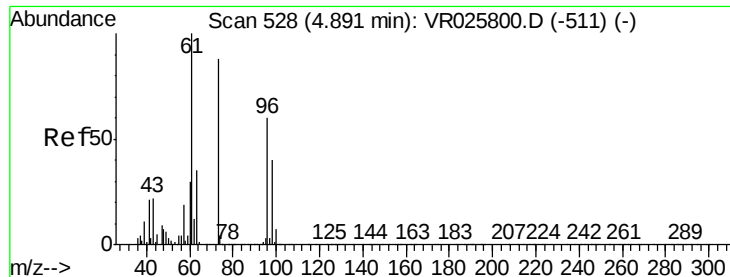
Tgt Ion: 43 Resp: 51780
Ion Ratio Lower Upper
43 100
74 18.7 19.0 28.4#



#16
Methylene chloride
Concen: 4.408 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

Tgt Ion: 84 Resp: 175967
Ion Ratio Lower Upper
84 100
86 67.5 43.1 80.1
49 142.1 95.5 177.3



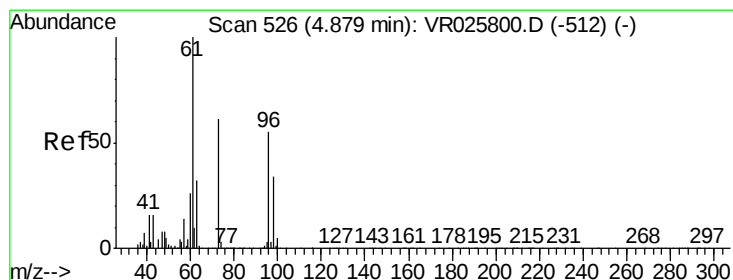
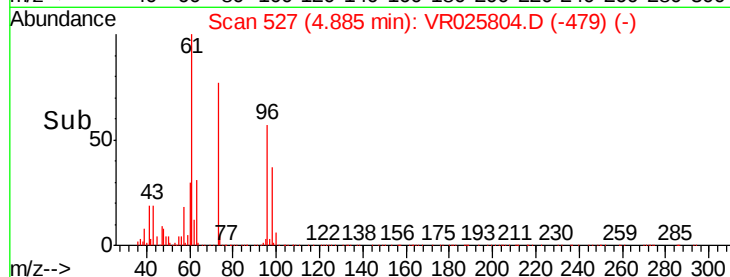
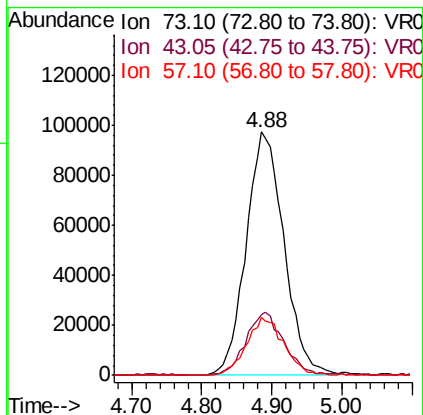
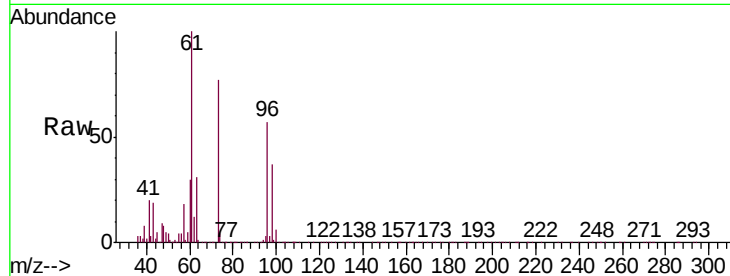


#17

Methyl tert-butyl Ether
 Concen: 4.705 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

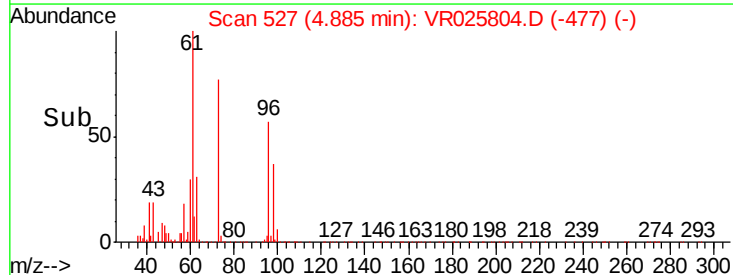
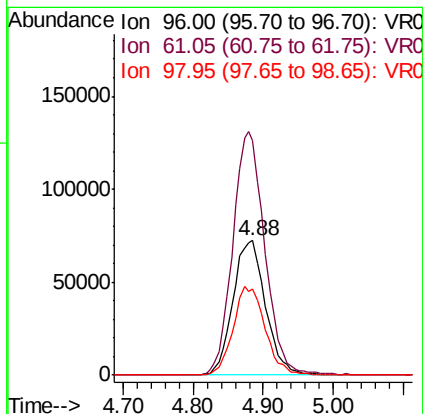
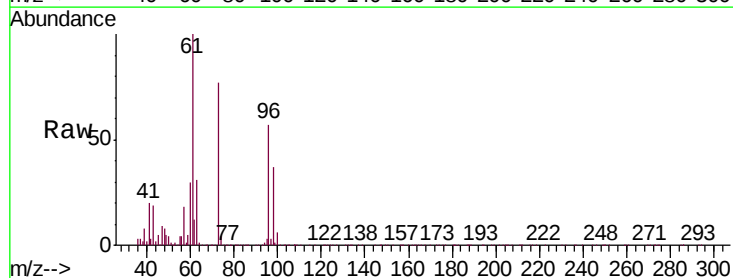
Tgt Ion:	73	Resp:	365345
Ion	Ratio	Lower	Upper
73	100		
43	25.6	19.8	29.8
57	23.2	17.9	26.9

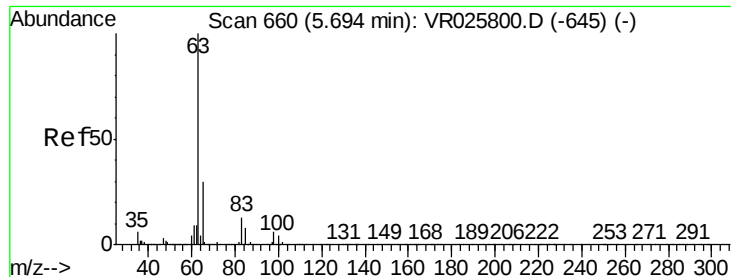


#18

trans-1,2-Dichloroethene
 Concen: 4.657 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion:	96	Resp:	233949
Ion	Ratio	Lower	Upper
96	100		
61	174.2	127.4	236.6
98	64.3	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.651 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

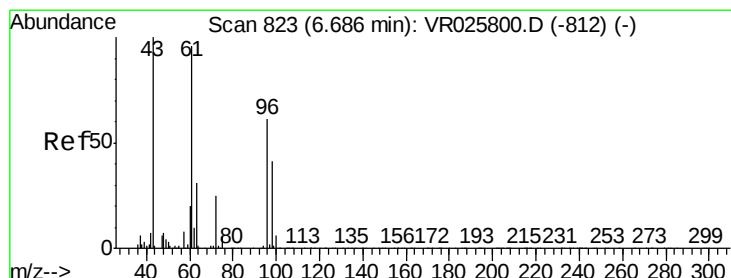
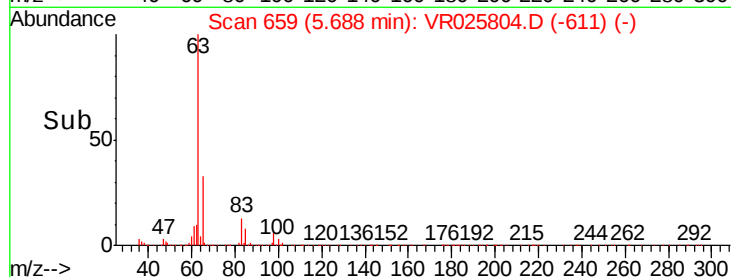
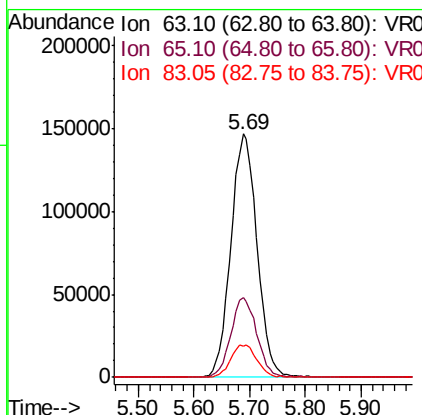
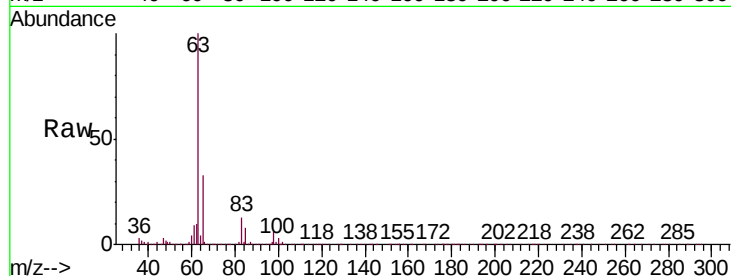
Instrument :

MSVOA_R

ClientSampleId :

VSTD00525

Tgt Ion:	63	Resp:	477667
Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.1	39.1
83	12.9	8.9	16.5



#21

2-Butanone

Concen: 48.111 ug/L

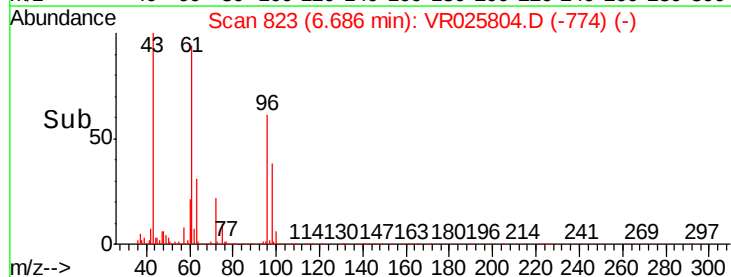
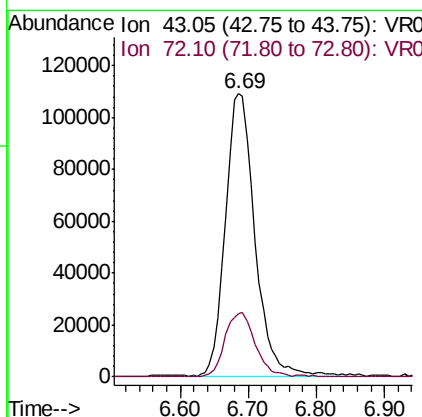
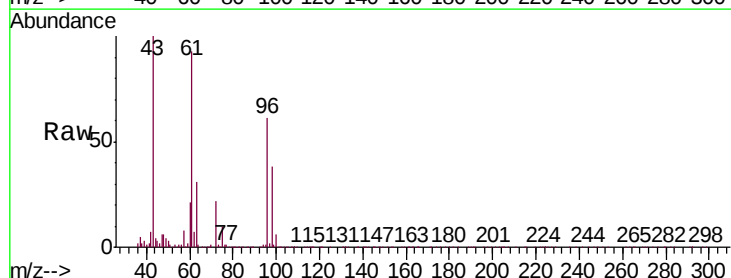
RT: 6.69 min Scan# 823

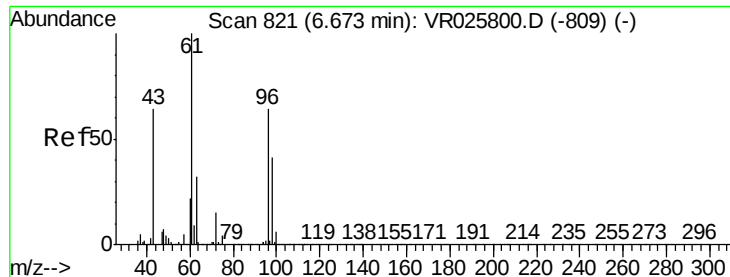
Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Tgt Ion:	43	Resp:	325101
Ion	Ratio	Lower	Upper
43	100		
72	23.4	11.9	35.7





#22

cis-1,2-Dichloroethene

Concen: 4.719 ug/L

RT: 6.67 min Scan# 821

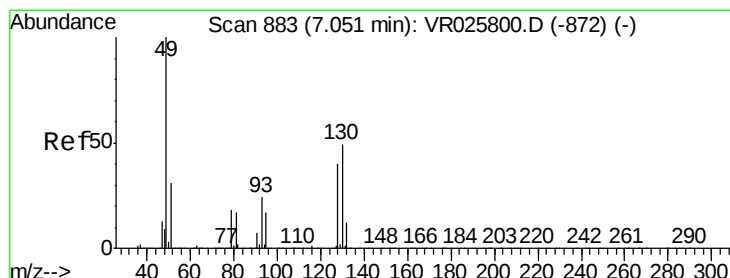
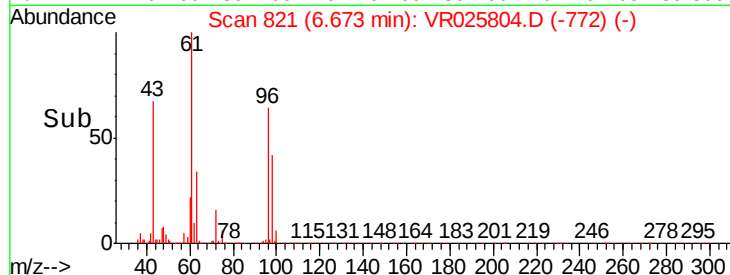
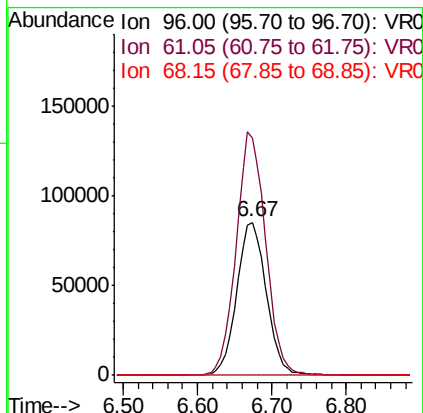
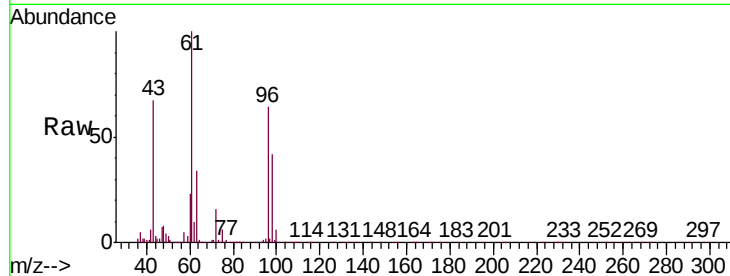
Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

Tgt Ion:	96	Resp:	238768
Ion	Ratio	Lower	Upper
96	100		
61	155.3	108.7	201.9
68	0.2	0.1	0.1#



#23

Bromochloromethane

Concen: 4.614 ug/L

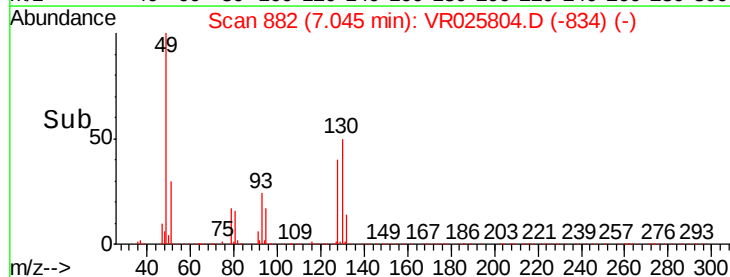
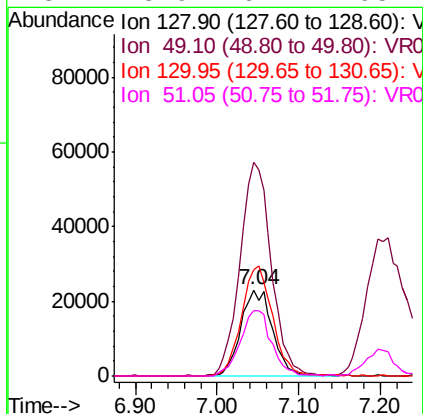
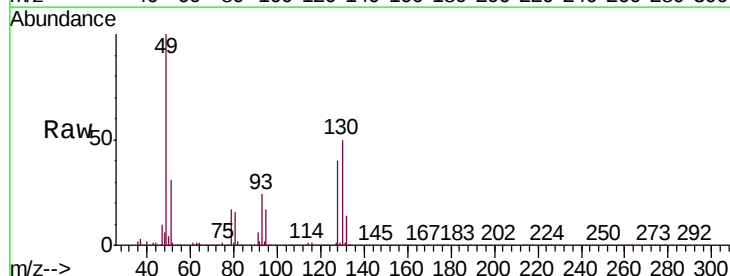
RT: 7.04 min Scan# 882

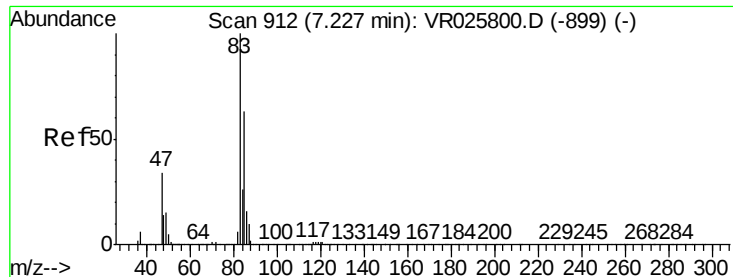
Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Tgt Ion:	128	Resp:	61531
Ion	Ratio	Lower	Upper
128	100		
49	248.8	175.0	325.0
130	123.7	85.6	159.0
51	75.9	62.2	93.2

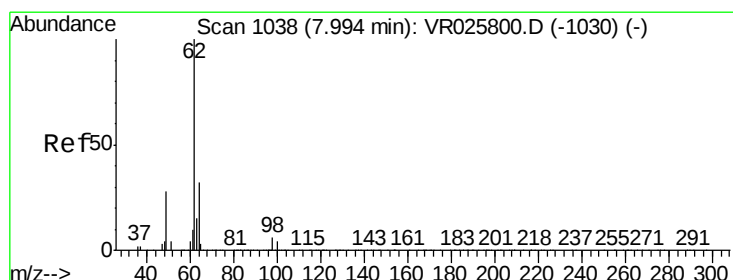
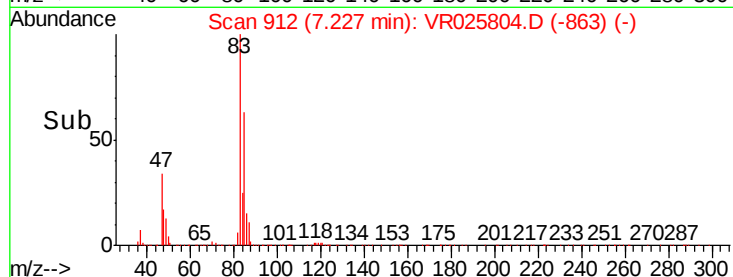
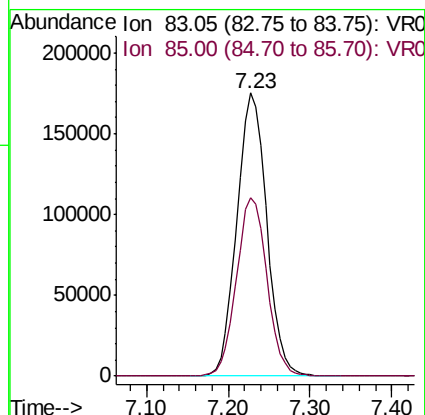
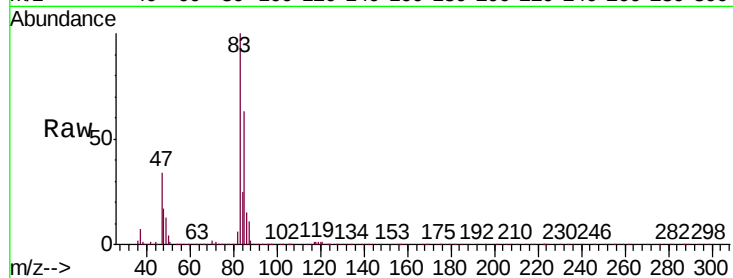




#25
Chloroform
Concen: 4.706 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

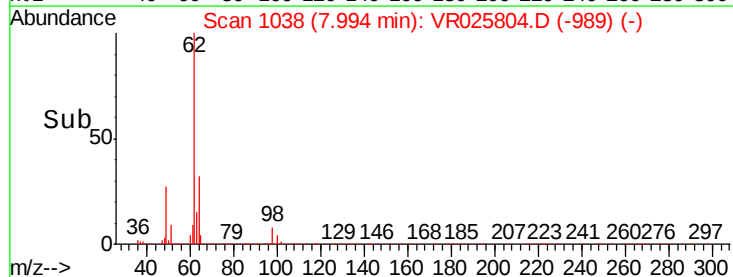
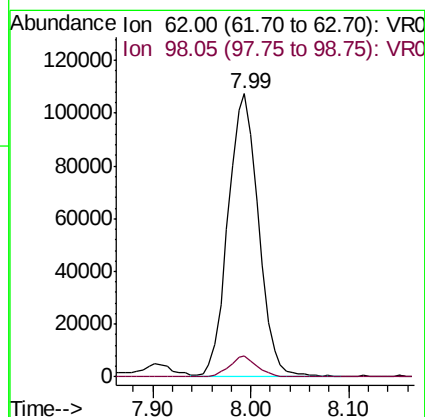
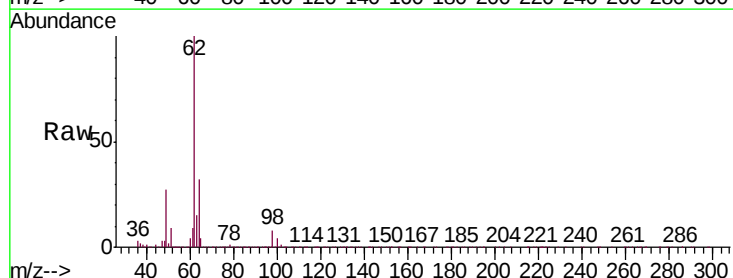
Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

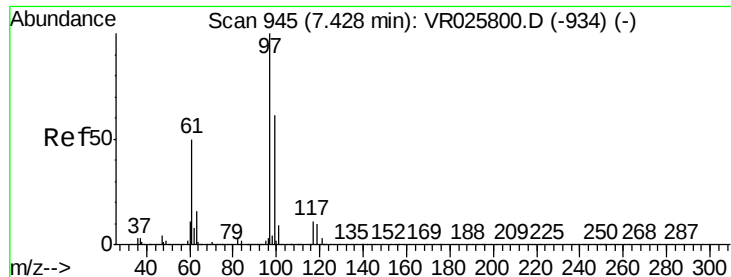
Tgt Ion: 83 Resp: 444394
Ion Ratio Lower Upper
83 100
85 63.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.732 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

Tgt Ion: 62 Resp: 230940
Ion Ratio Lower Upper
62 100
98 7.6 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 4.652 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00525

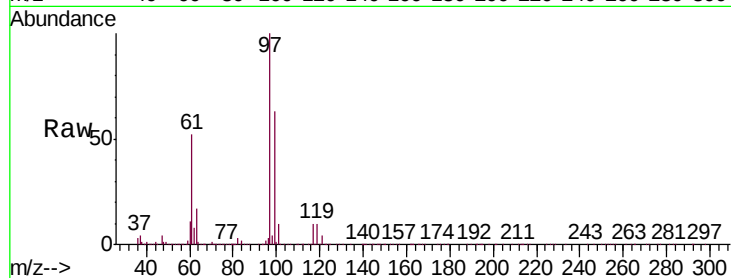
Tgt Ion: 97 Resp: 386747

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

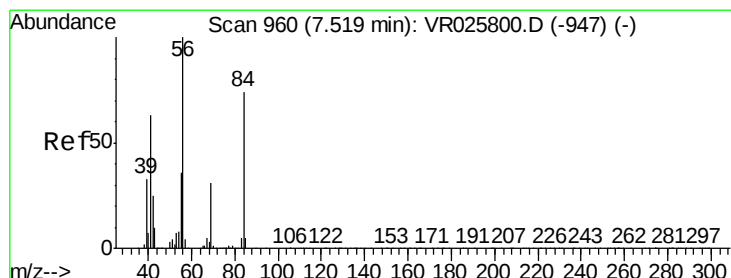
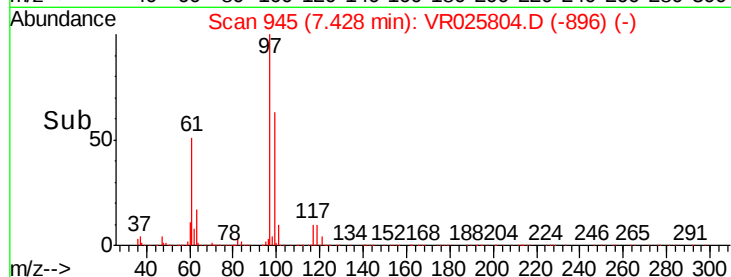
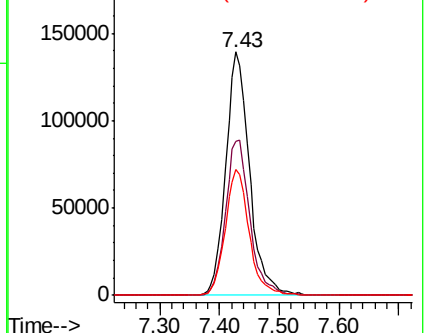
61 51.8 41.6 62.4



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: 4.706 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

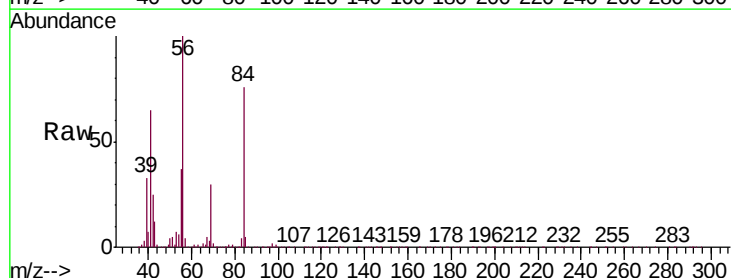
Tgt Ion: 56 Resp: 466410

Ion Ratio Lower Upper

56 100

69 30.8 24.8 37.2

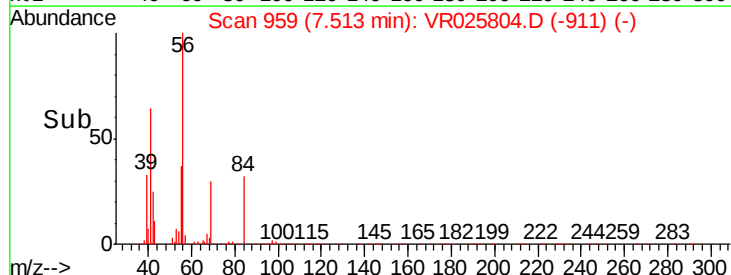
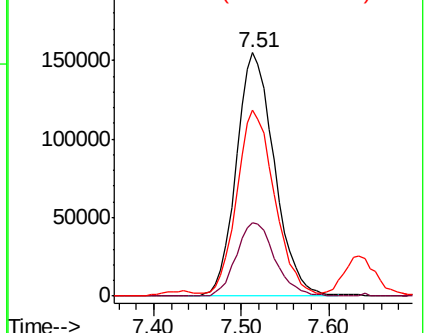
84 76.5 59.8 89.8

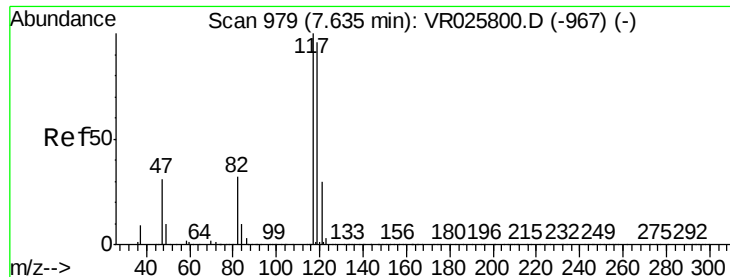


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.787 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

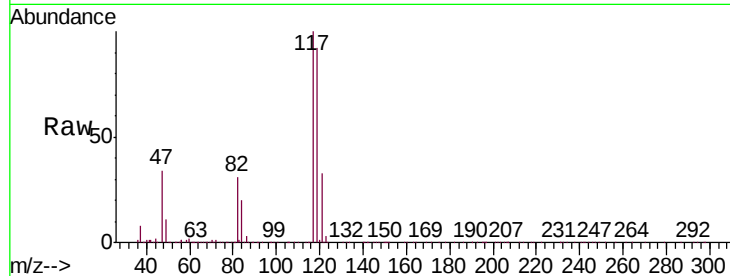
VSTD00525

Tgt Ion:117 Resp: 327477

Ion Ratio Lower Upper

117 100

119 93.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

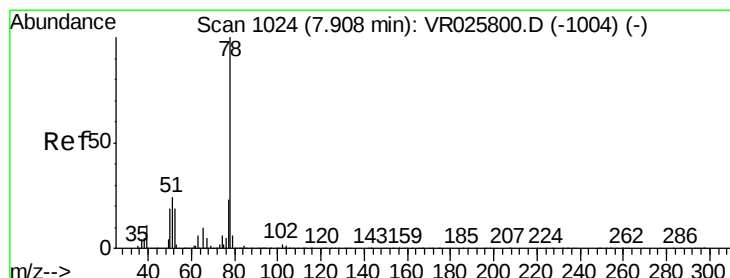
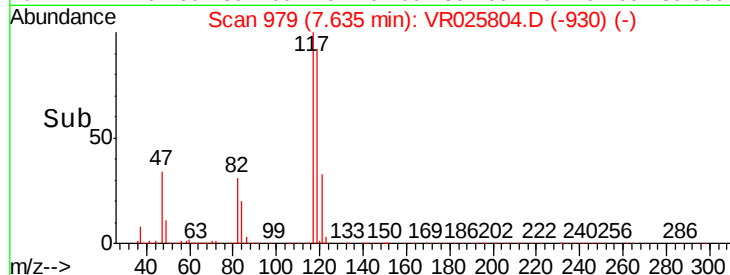
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.685 ug/L

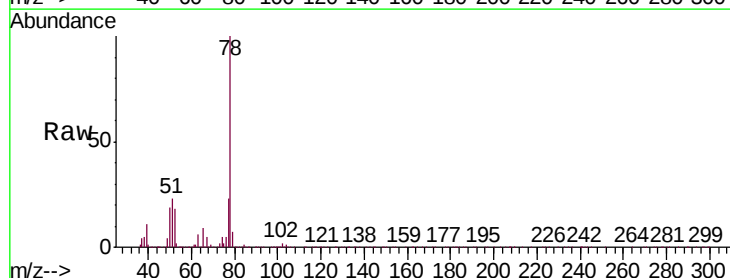
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Tgt Ion: 78 Resp: 1012270



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

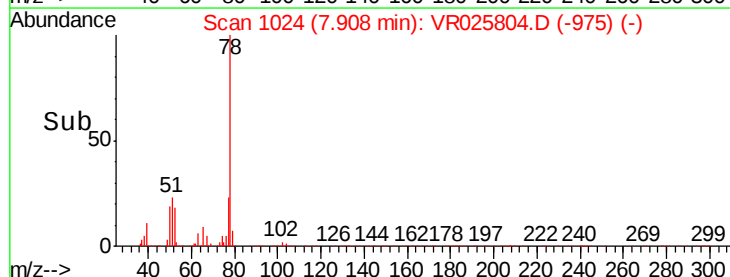
300000

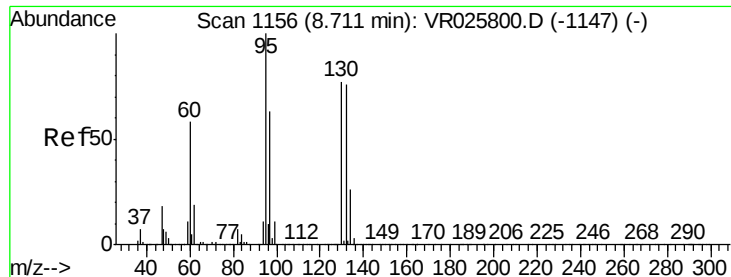
200000

100000

0

Time-->

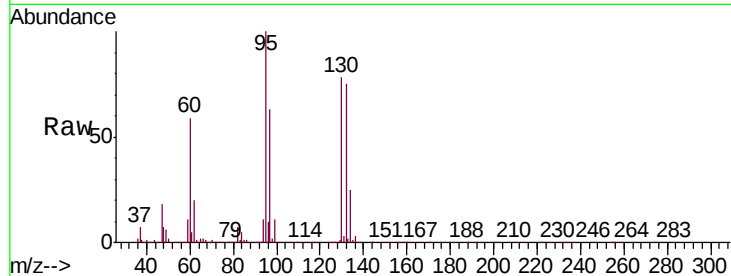




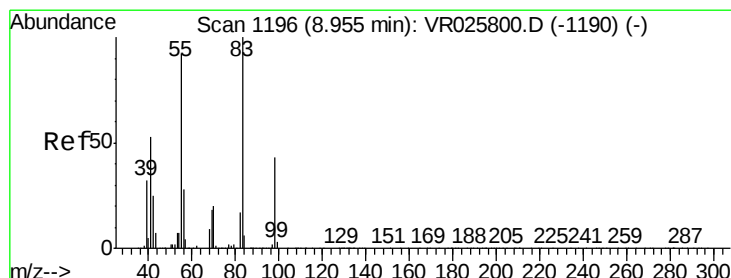
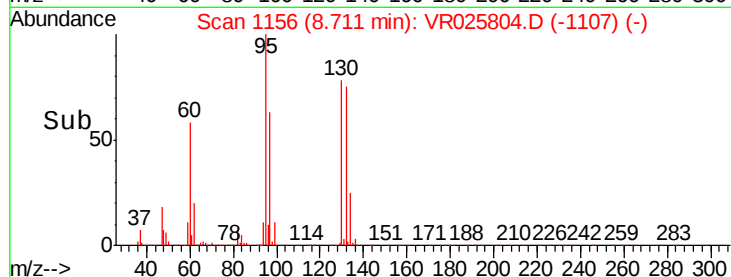
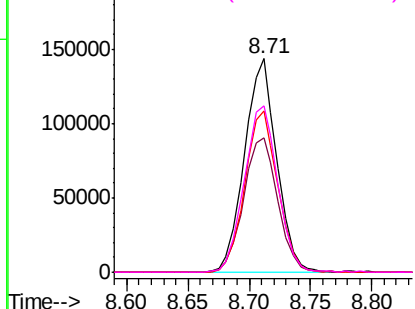
#34
 Trichloroethene
 Concen: 4.586 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

Tgt Ion:	95	Resp:	262984
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.9	81.5
132	75.4	53.3	98.9
130	78.2	53.8	99.8

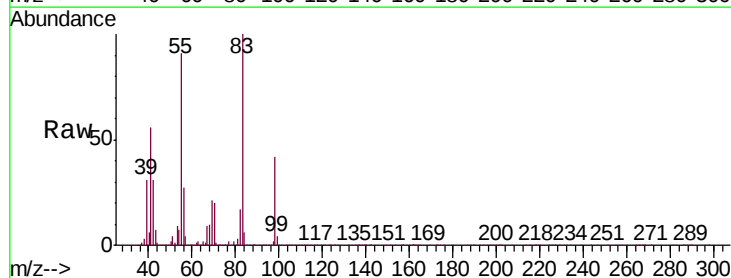


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

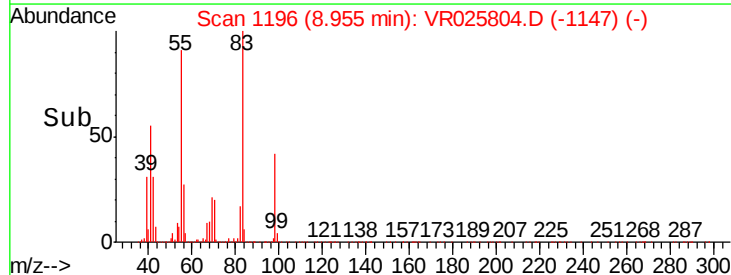
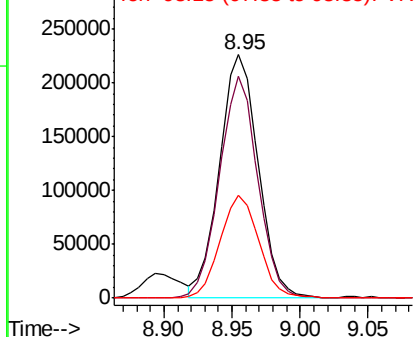


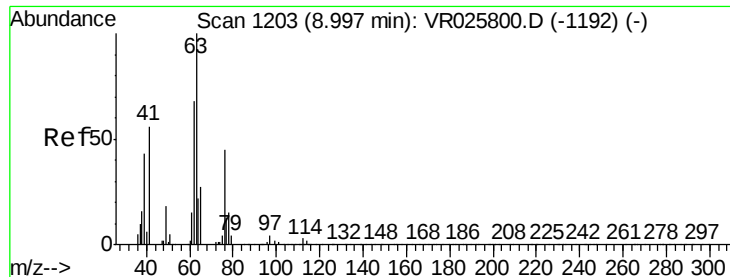
#35
 Methylcyclohexane
 Concen: 4.724 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion:	83	Resp:	444266
Ion	Ratio	Lower	Upper
83	100		
55	90.7	71.8	107.6
98	42.7	34.2	51.4



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0

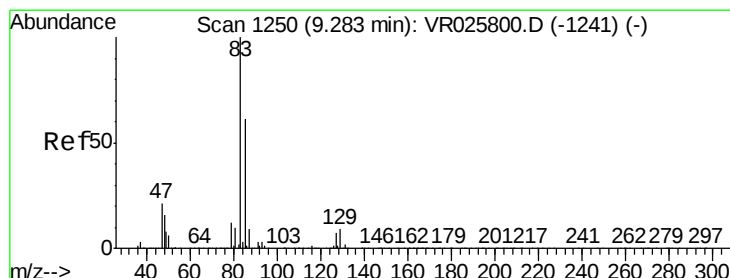
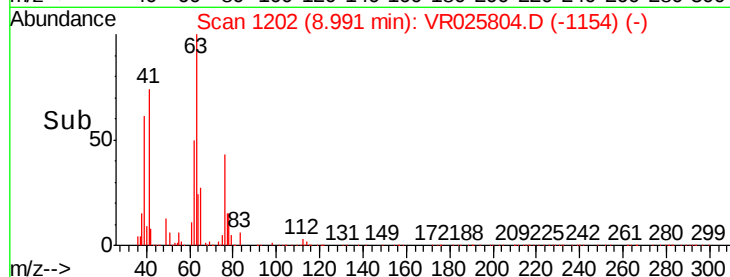
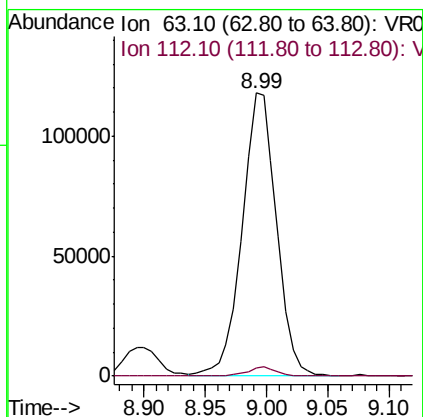
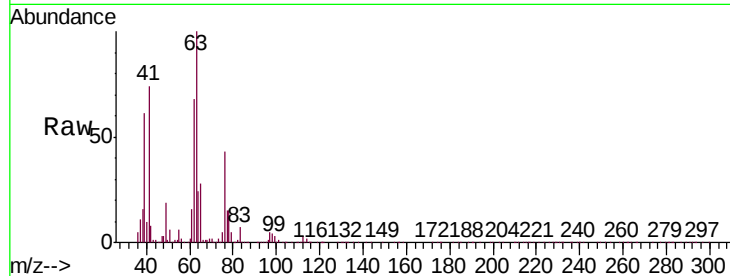




#37
 1,2-Dichloropropane
 Concen: 4.748 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

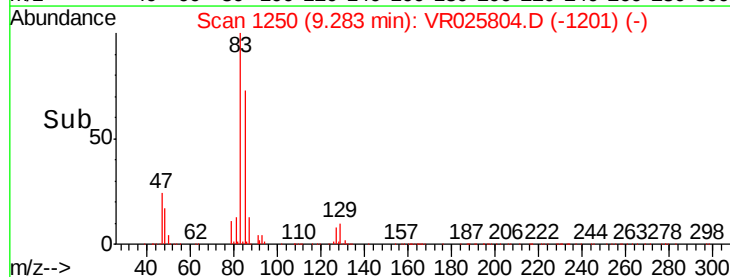
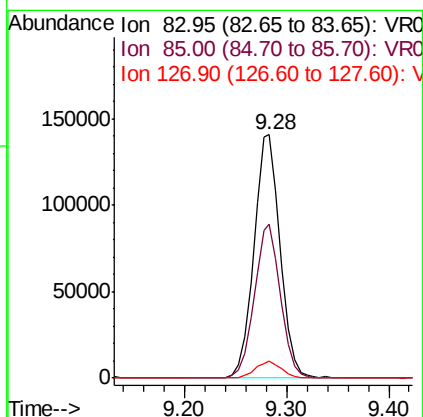
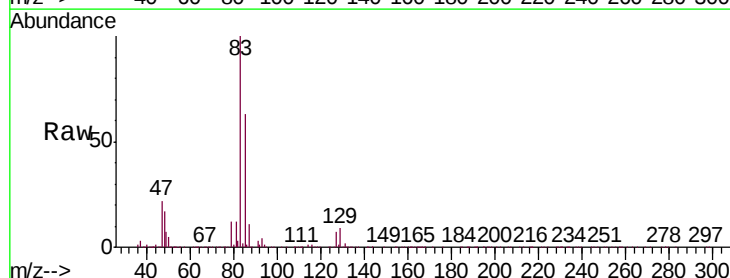
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00525

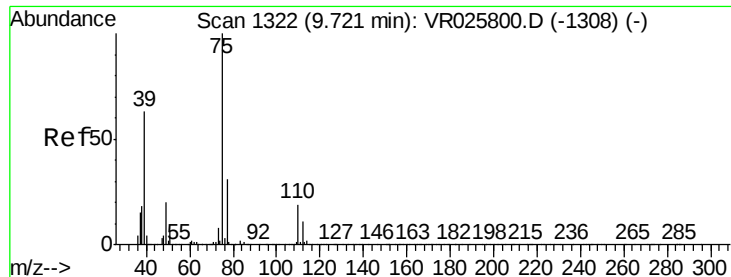
Tgt Ion: 63 Resp: 228752
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.708 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion: 83 Resp: 250429
 Ion Ratio Lower Upper
 83 100
 85 63.3 42.8 79.4
 127 7.0 5.6 8.4

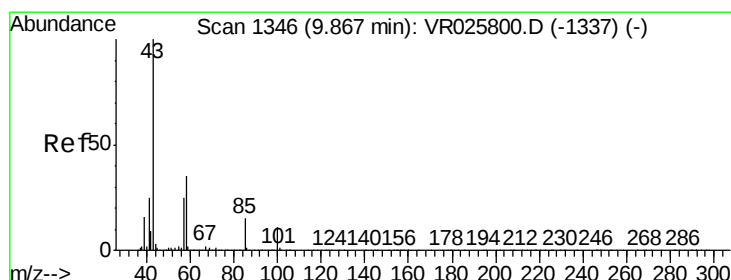
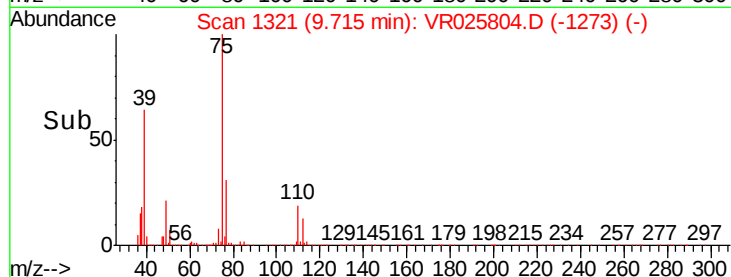
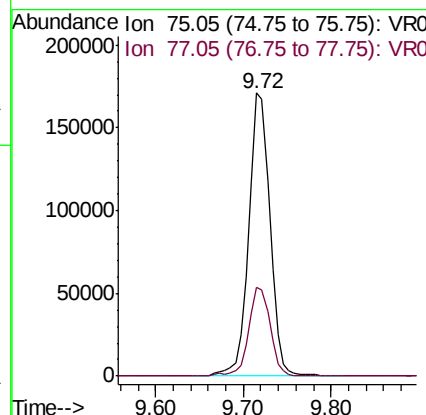
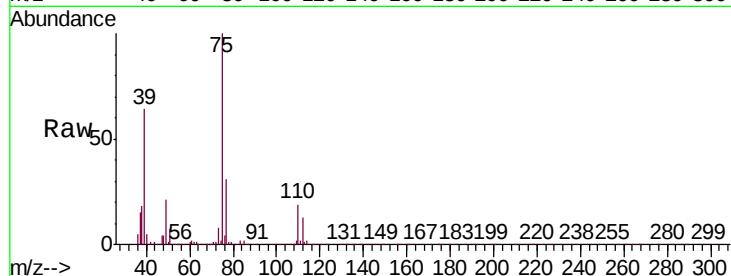




#39
 cis-1,3-Dichloropropene
 Concen: 4.888 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

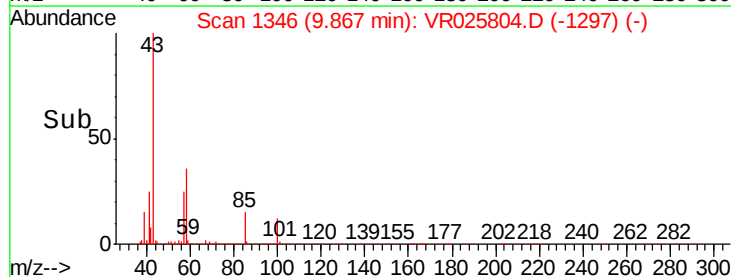
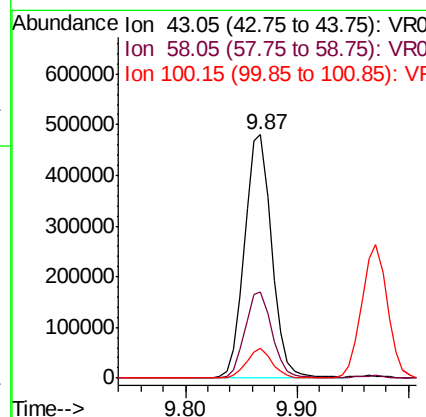
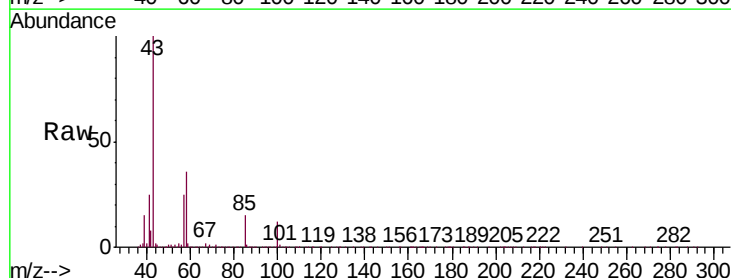
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

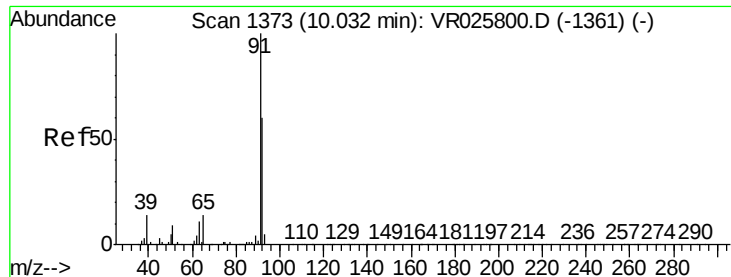
Tgt Ion: 75 Resp: 288326
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 48.485 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion: 43 Resp: 813265
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.6 43.0
 100 11.5 9.0 13.4





#42

Toluene

Concen: 4.741 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

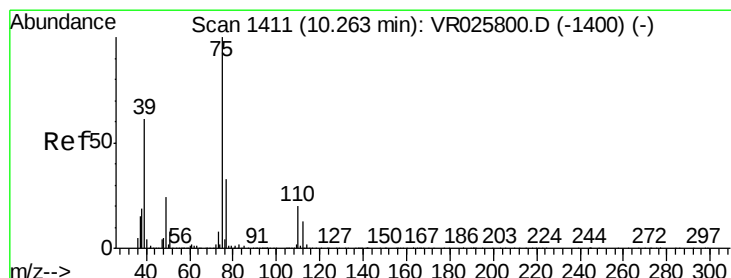
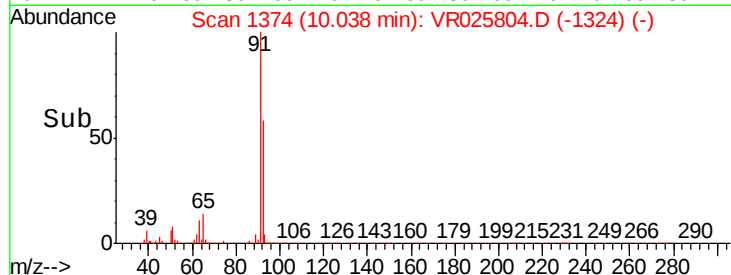
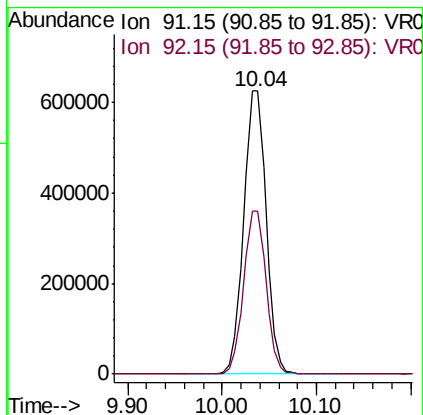
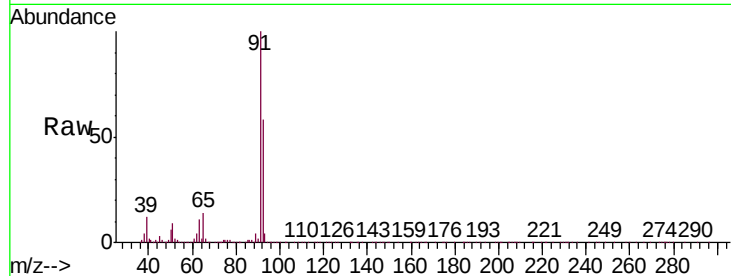
VSTD00525

Tgt Ion: 91 Resp: 1044074

Ion Ratio Lower Upper

91 100

92 57.5 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.887 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025804.D

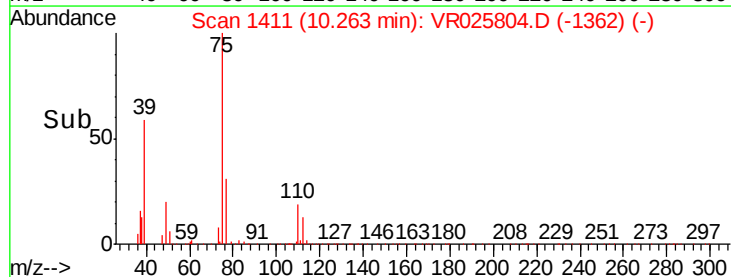
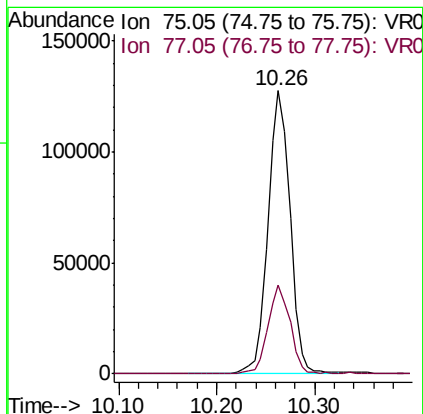
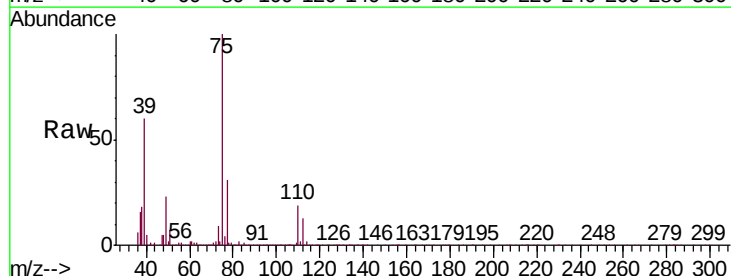
Acq: 21 Sep 2018 16:54

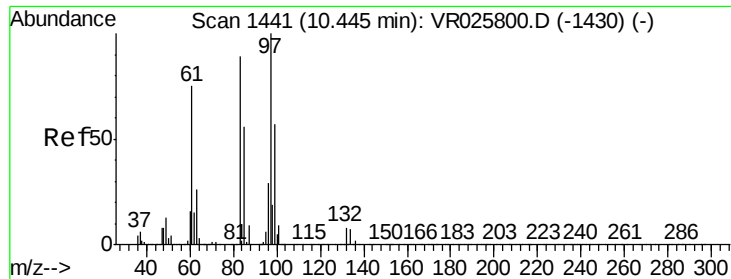
Tgt Ion: 75 Resp: 199741

Ion Ratio Lower Upper

75 100

77 31.4 23.0 42.8

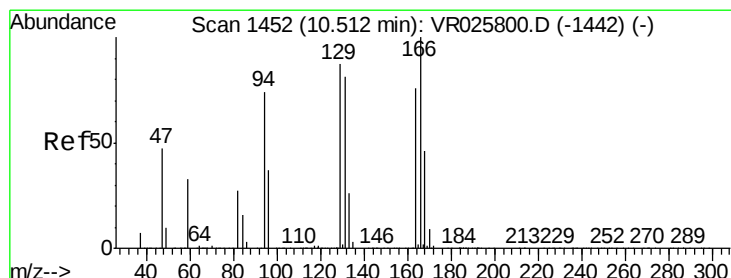
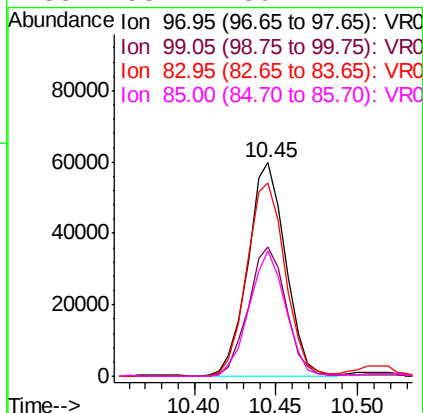
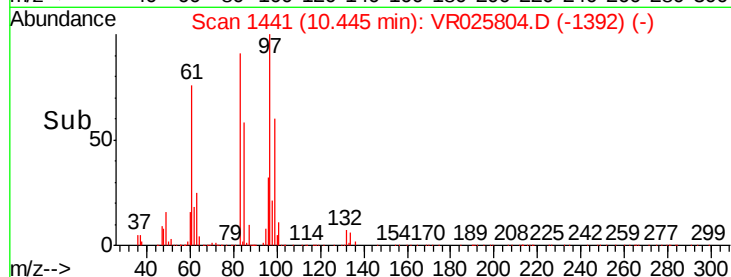
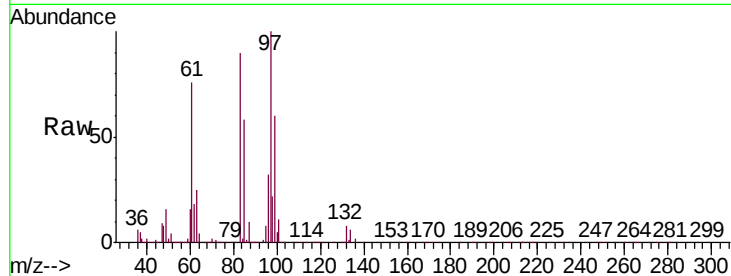




#45
 1,1,2-Trichloroethane
 Concen: 4.760 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

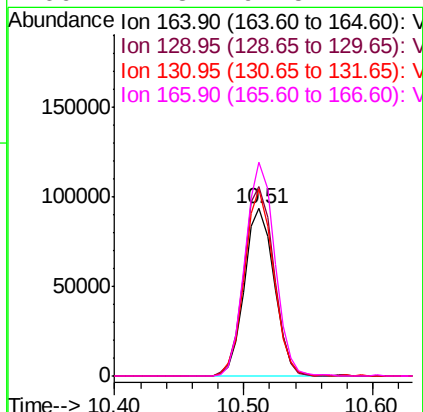
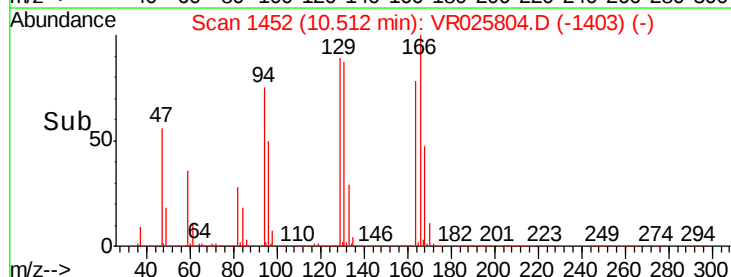
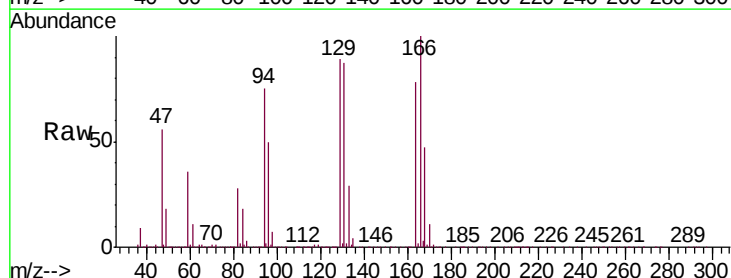
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

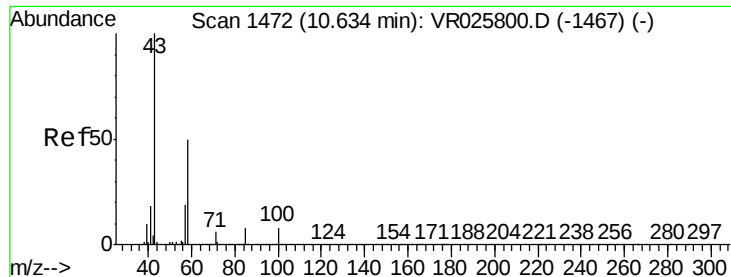
Tgt Ion:	97	Resp:	96139
Ion	Ratio	Lower	Upper
97	100		
99	60.4	39.6	73.6
83	90.4	62.2	115.6
85	58.4	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.544 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion:	164	Resp:	149034
Ion	Ratio	Lower	Upper
164	100		
129	113.4	80.8	150.2
131	111.6	74.5	138.3
166	127.8	92.5	171.7

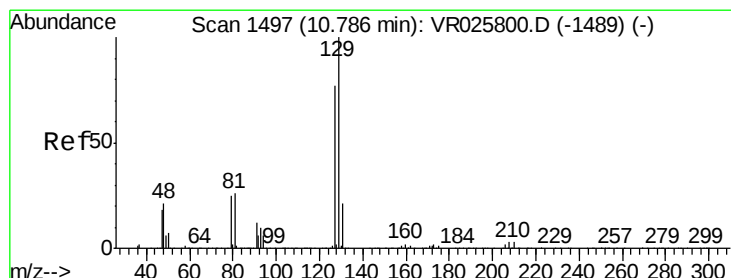
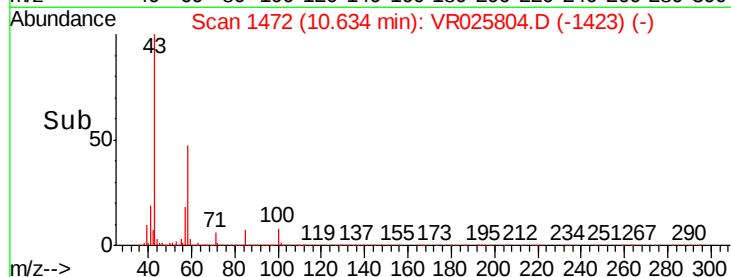
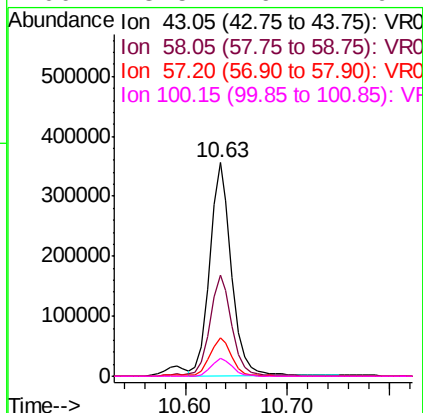
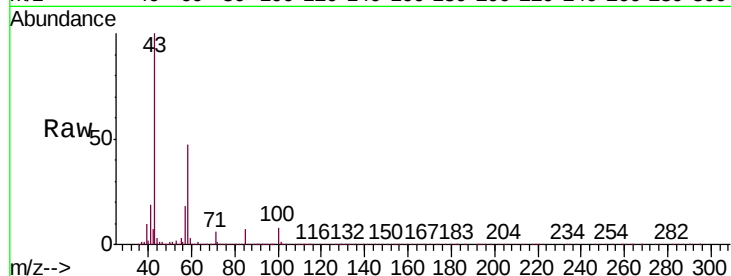




#48
2-Hexanone
Concen: 48.027 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

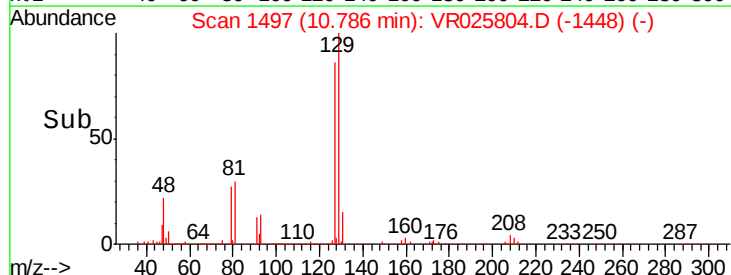
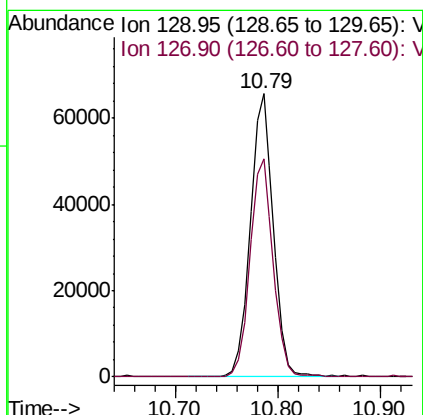
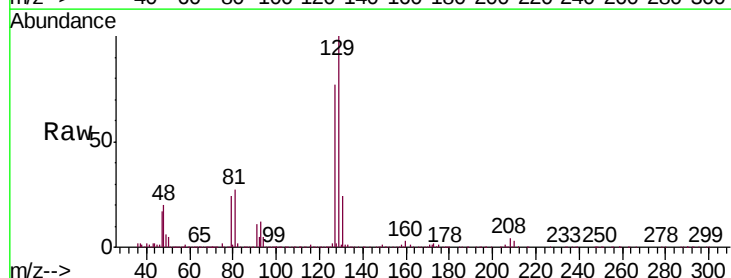
Instrument :
MSVOA_R
ClientSampled :
VSTD00525

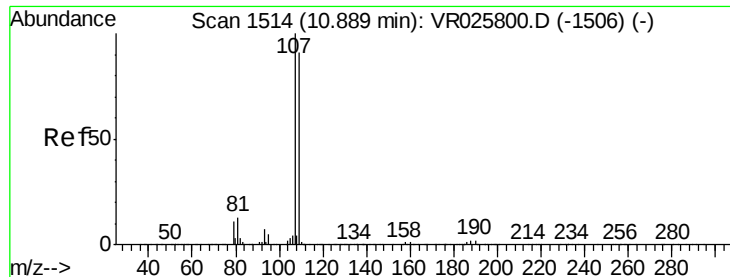
Tgt Ion:	43	Resp:	529787
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.5	59.3
57	18.4	14.6	21.8
100	8.5	6.7	10.1



#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

Tgt Ion:	129	Resp:	103209
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.1	100.5

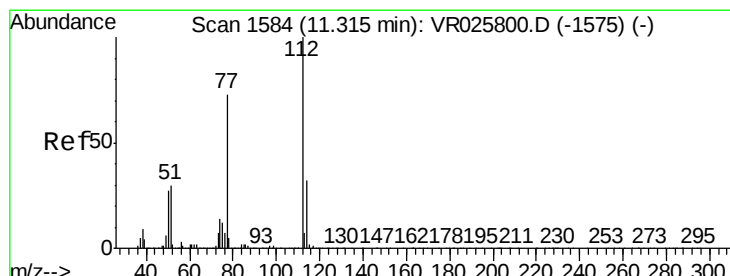
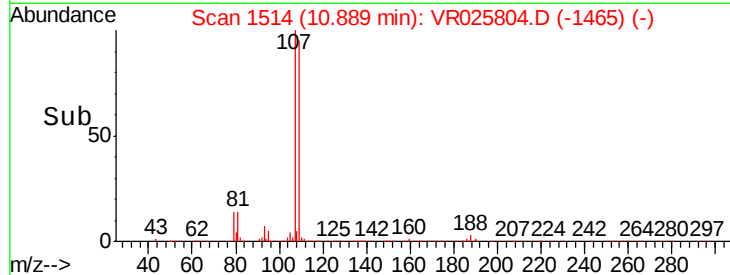
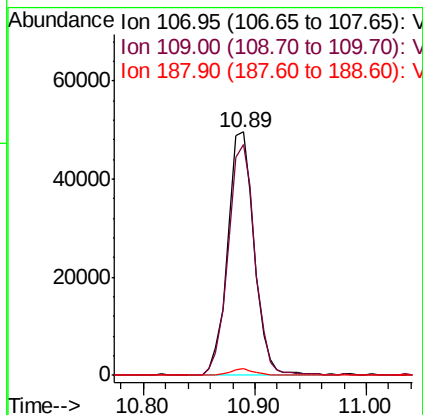
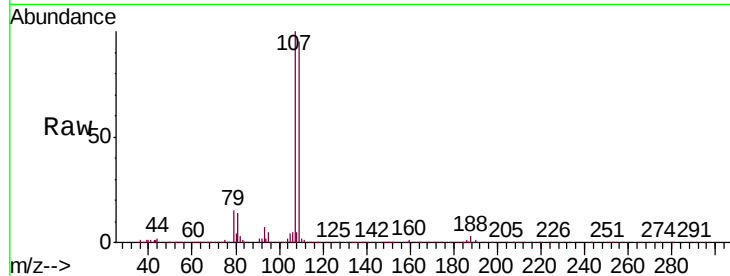




#50
1,2-Dibromoethane
Concen: 4.613 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

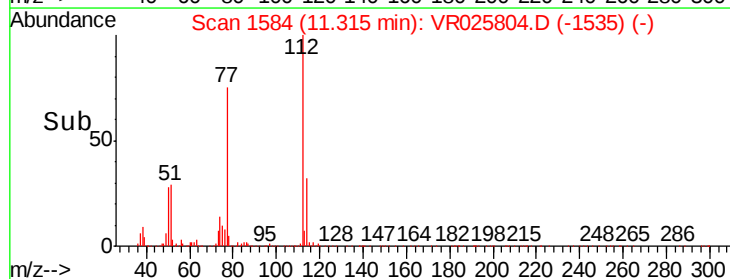
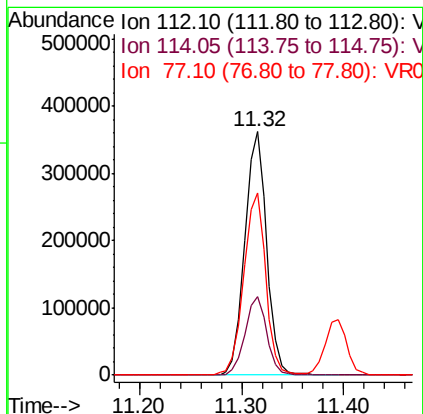
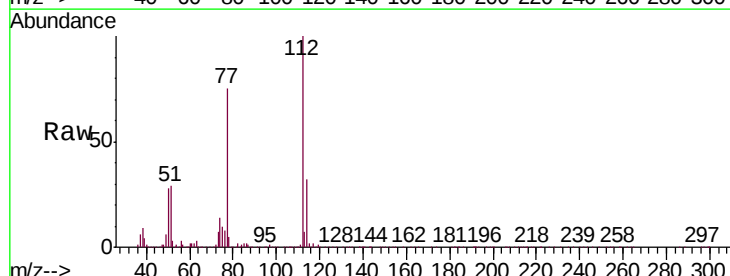
Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

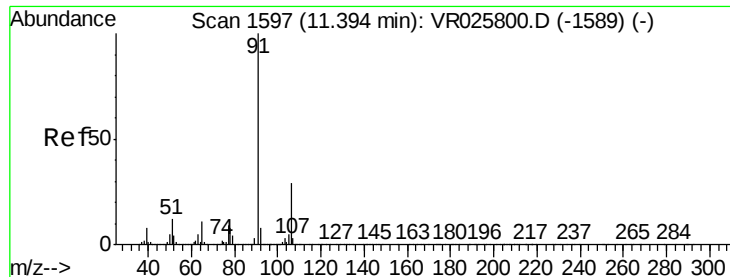
Tgt Ion:107 Resp: 82009
Ion Ratio Lower Upper
107 100
109 95.0 63.5 117.9
188 2.8 1.7 2.5#



#51
Chlorobenzene
Concen: 4.653 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

Tgt Ion:112 Resp: 537559
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 74.7 58.5 87.7





#52

Ethylbenzene

Concen: 4.762 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampleId :

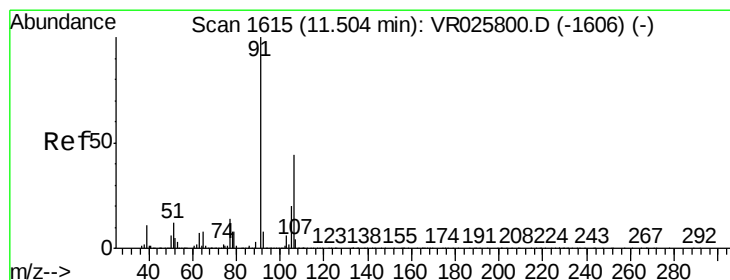
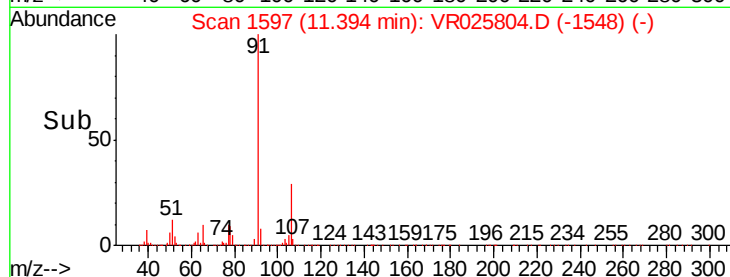
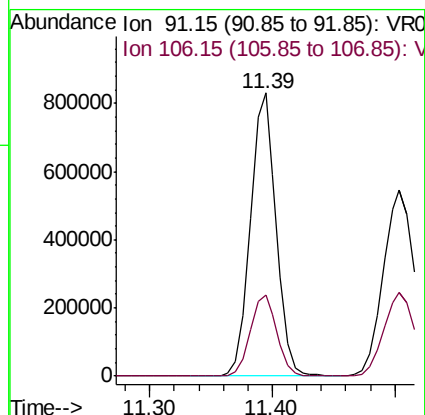
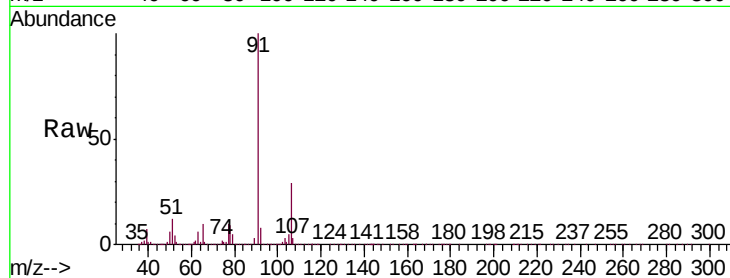
VSTD00525

Tgt Ion: 91 Resp: 1206666

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4



#53

m,p-Xylene

Concen: 4.638 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025804.D

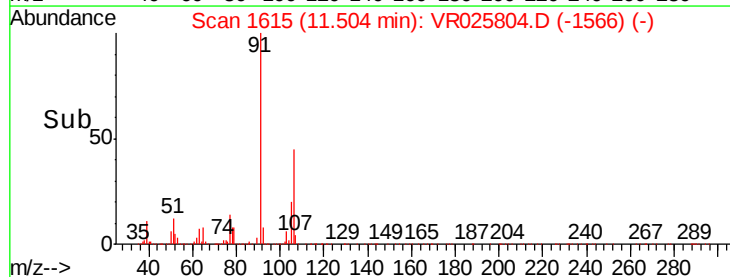
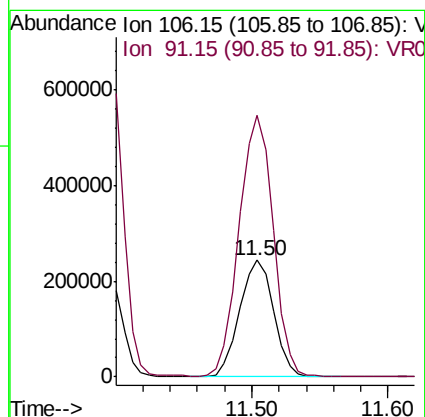
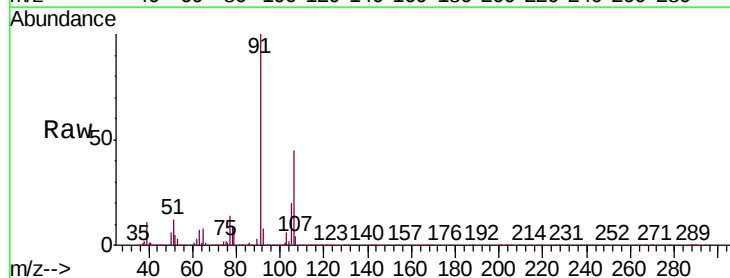
Acq: 21 Sep 2018 16:54

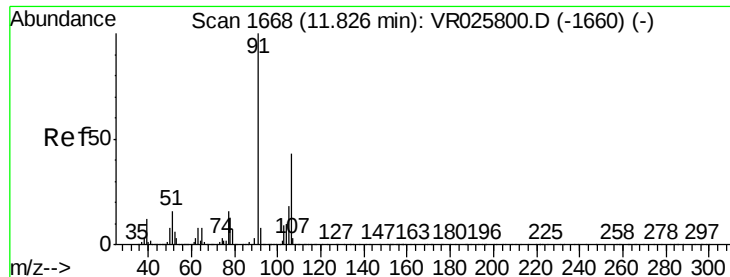
Tgt Ion: 106 Resp: 423788

Ion Ratio Lower Upper

106 100

91 224.3 159.7 296.5

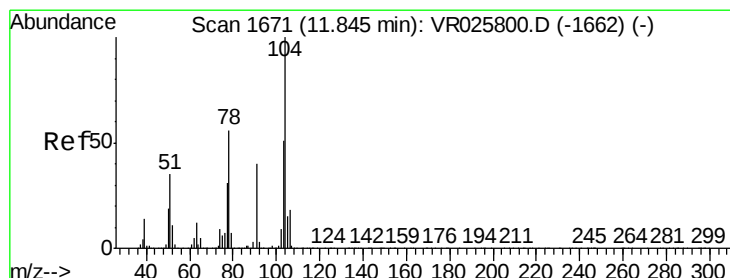
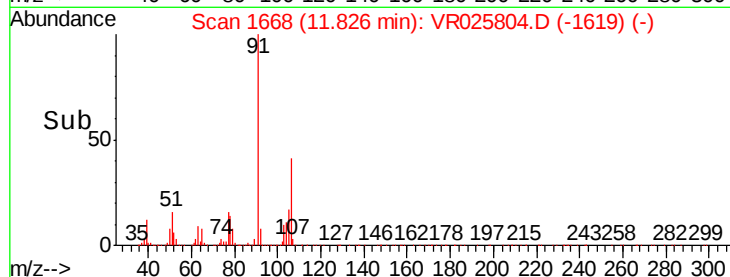
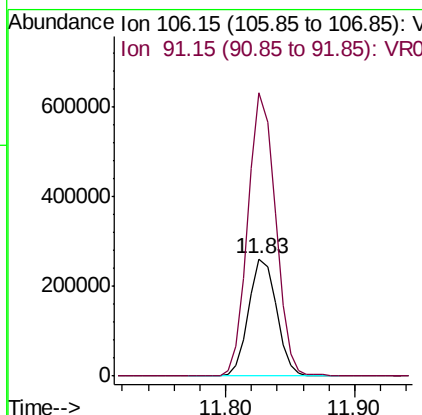
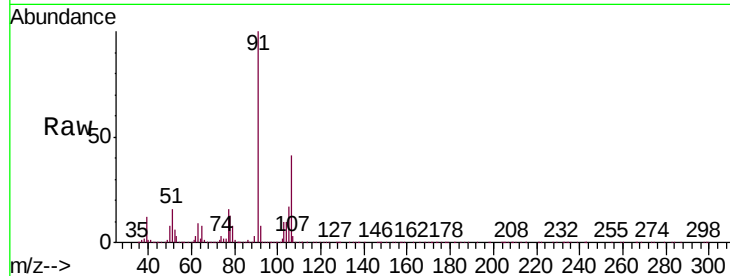




#54
o-Xylene
Concen: 4.674 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

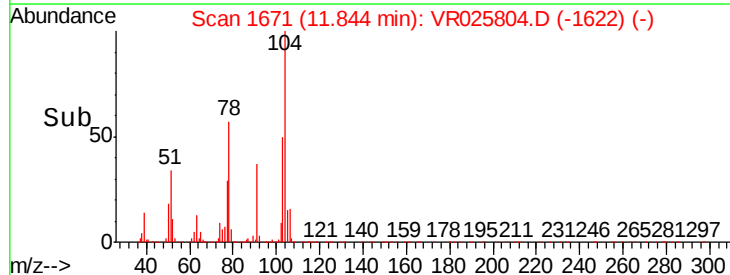
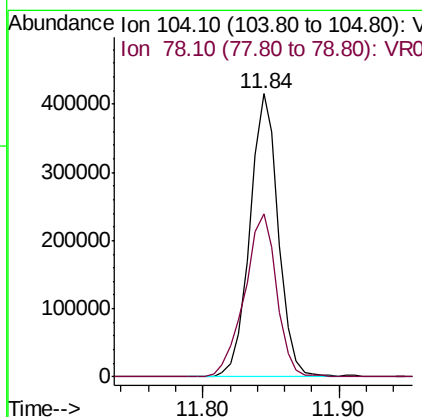
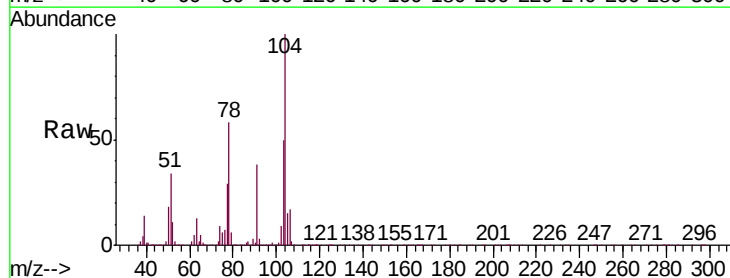
Instrument :
MSVOA_R
ClientSampleId :
VSTD00525

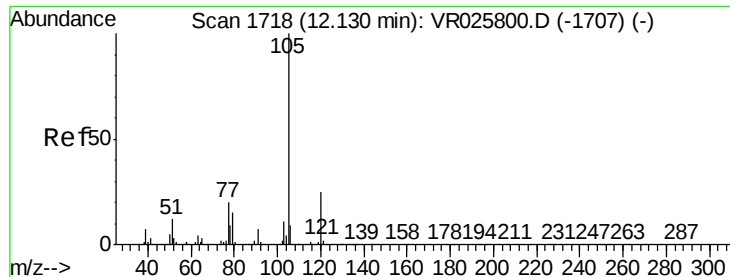
Tgt Ion:106 Resp: 391003
Ion Ratio Lower Upper
106 100
91 241.3 164.5 305.5



#55
Styrene
Concen: 4.689 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025804.D
Acq: 21 Sep 2018 16:54

Tgt Ion:104 Resp: 607783
Ion Ratio Lower Upper
104 100
78 57.5 39.3 72.9





#56

Isopropylbenzene

Concen: 4.804 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampled :

VSTD00525

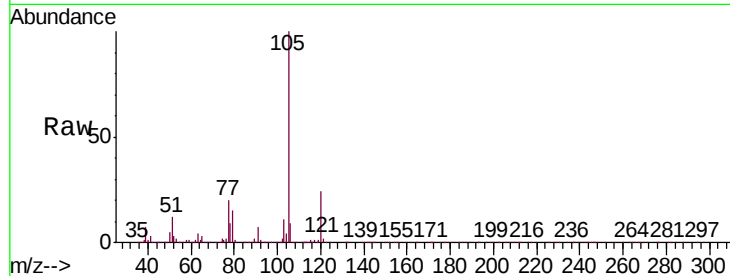
Tgt Ion:105 Resp: 1124702

Ion Ratio Lower Upper

105 100

120 24.7 19.8 29.8

77 19.1 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

1000000

800000

600000

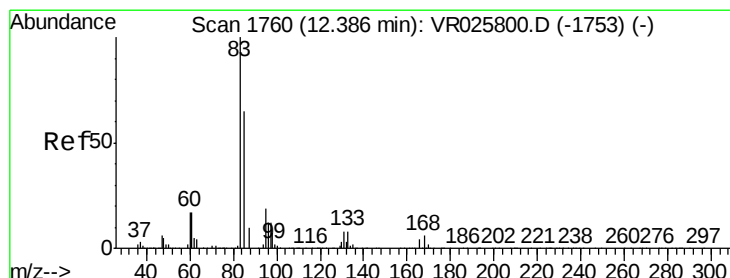
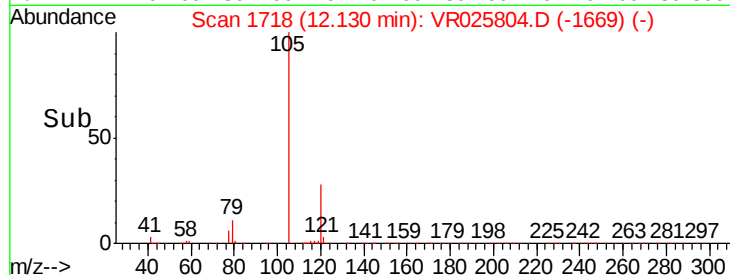
400000

200000

0

12.13

Time--> 12.00 12.10 12.20



#58

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

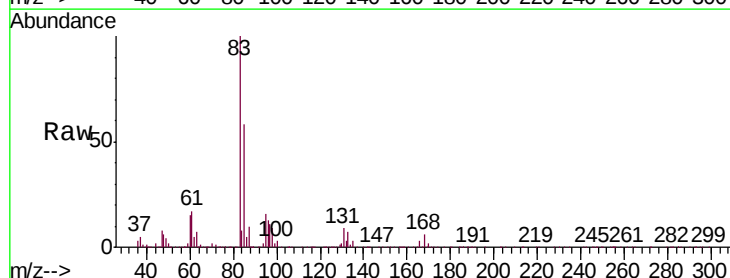
Tgt Ion: 83 Resp: 96697

Ion Ratio Lower Upper

83 100

85 58.3 45.8 85.0

131 9.0 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

80000

60000

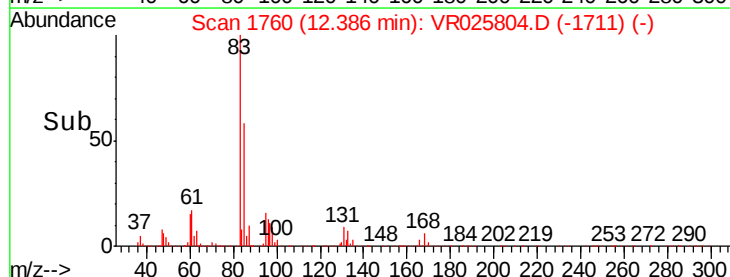
40000

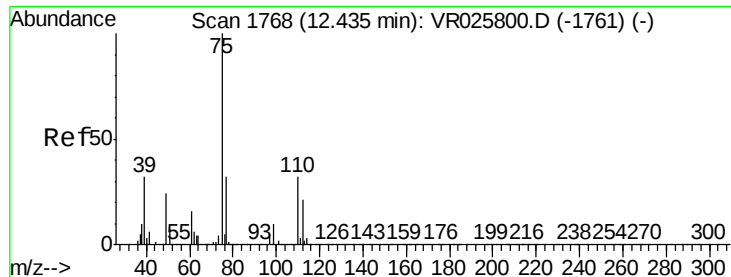
20000

0

12.39

Time--> 12.30 12.35 12.40 12.45





#59

1,2,3-Trichloropropane

Concen: 4.703 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampled :

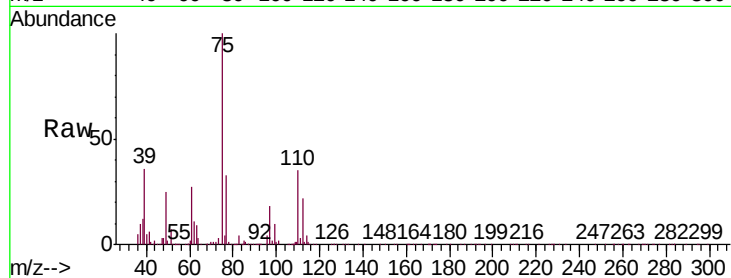
VSTD00525

Tgt Ion: 75 Resp: 73994

Ion Ratio Lower Upper

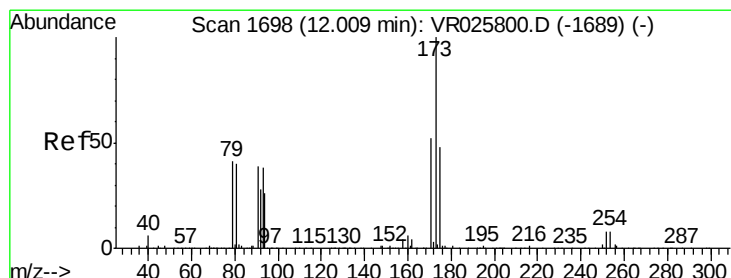
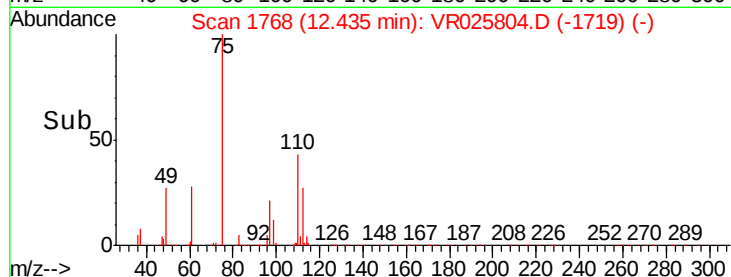
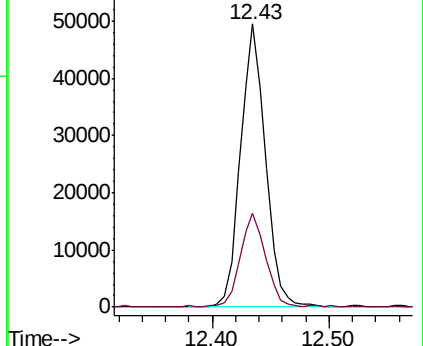
75 100

77 33.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 4.662 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

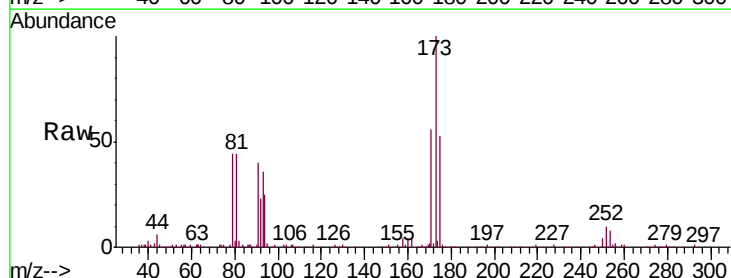
Tgt Ion: 173 Resp: 32025

Ion Ratio Lower Upper

173 100

175 47.6 36.9 55.3

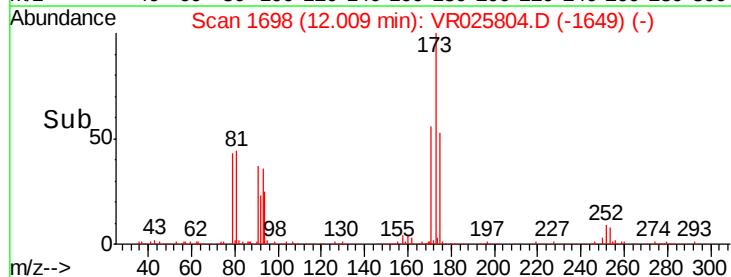
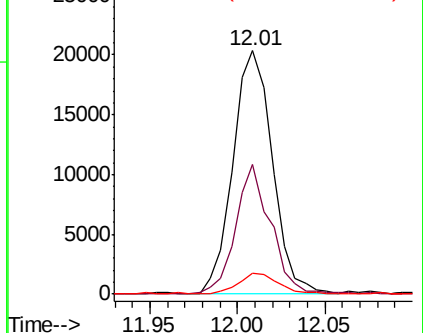
254 8.9 6.6 10.0

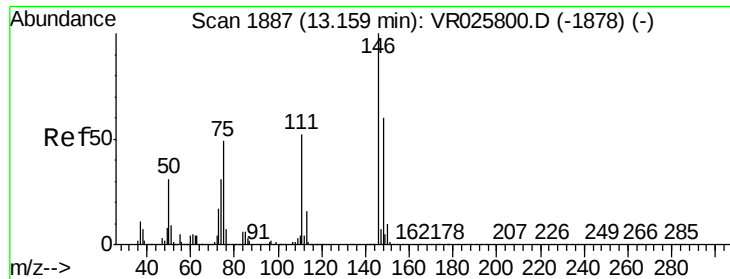


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

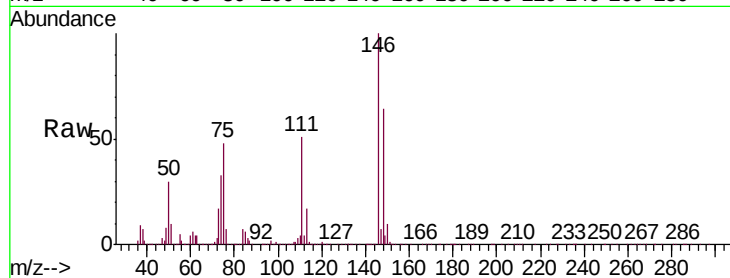




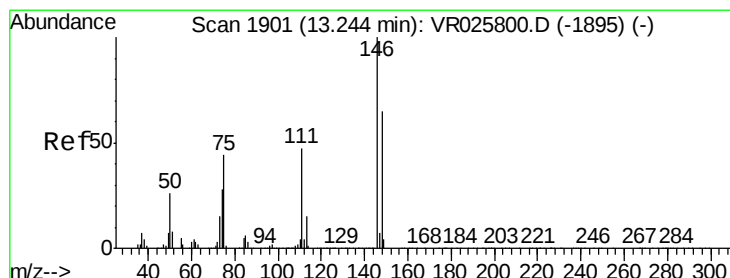
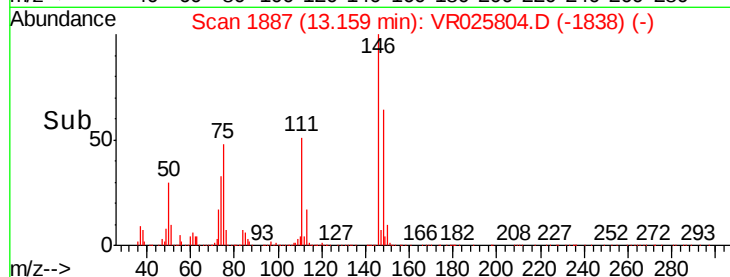
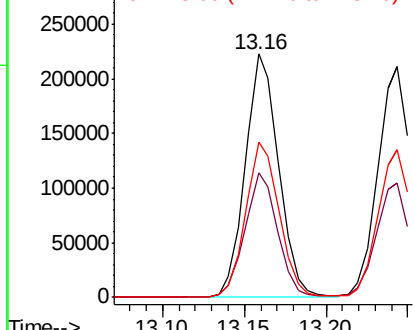
#62
 1,3-Dichlorobenzene
 Concen: 4.667 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.1	36.6	68.0
148	63.6	41.9	77.7

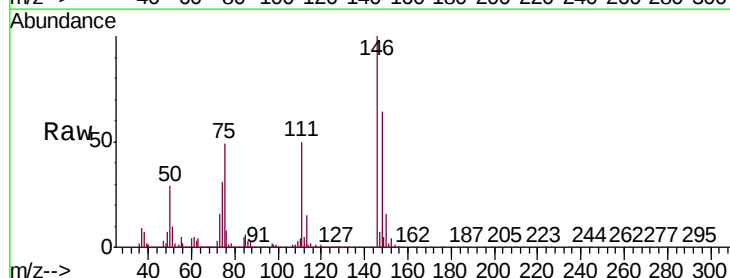


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

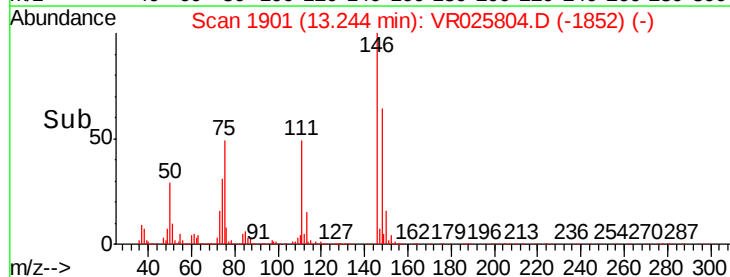
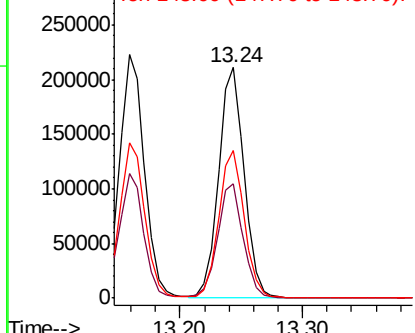


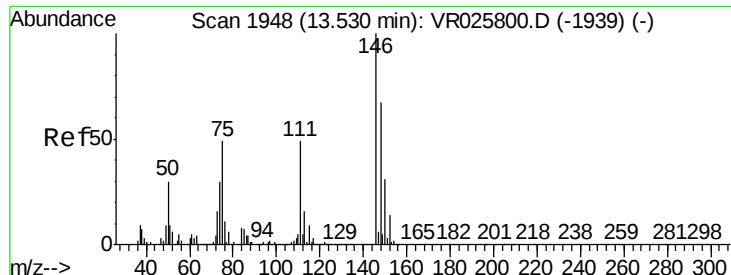
#63
 1,4-Dichlorobenzene
 Concen: 4.646 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.5	32.9	61.1
148	64.2	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

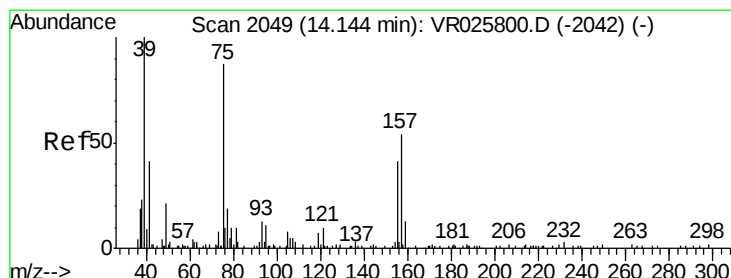
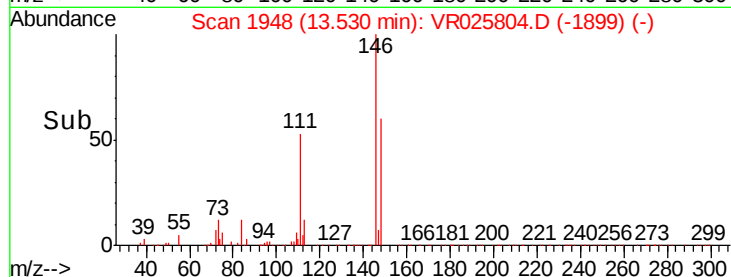
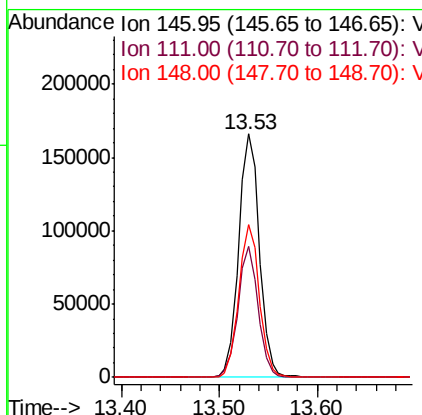
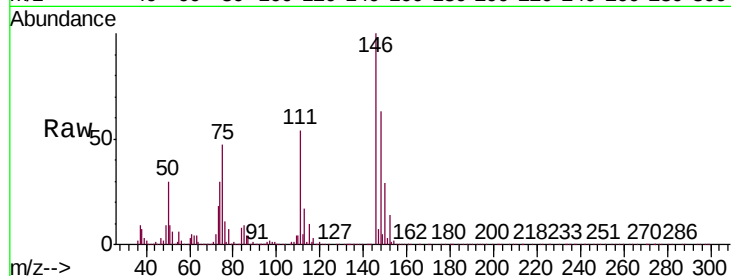




#65
 1,2-Dichlorobenzene
 Concen: 4.709 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

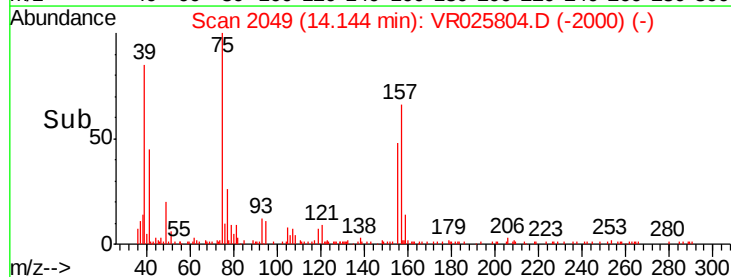
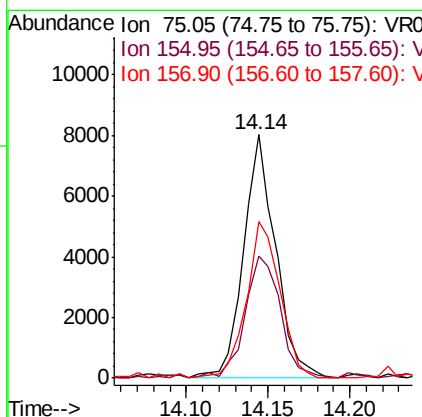
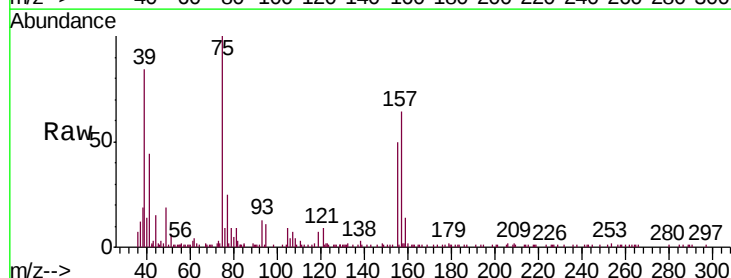
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

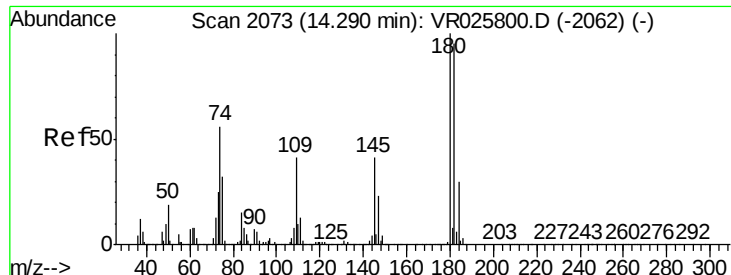
Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.7	39.4	59.0
148	62.5	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.644 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	49.9	37.8	56.6
157	64.3	49.7	74.5

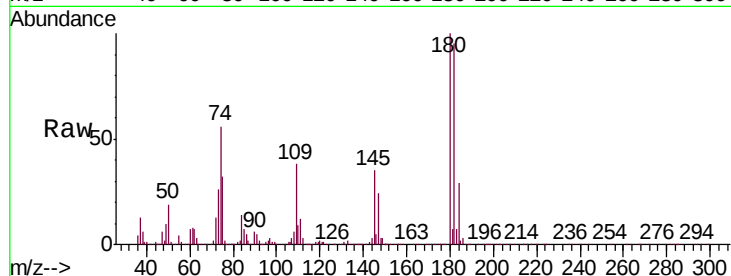




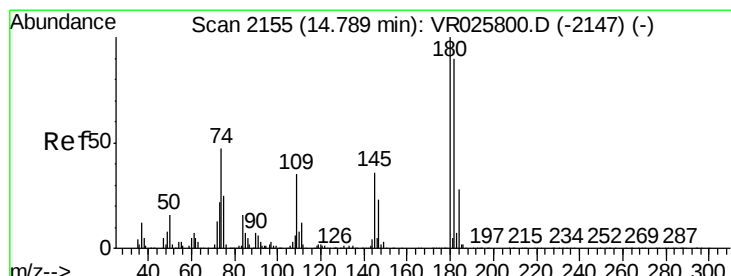
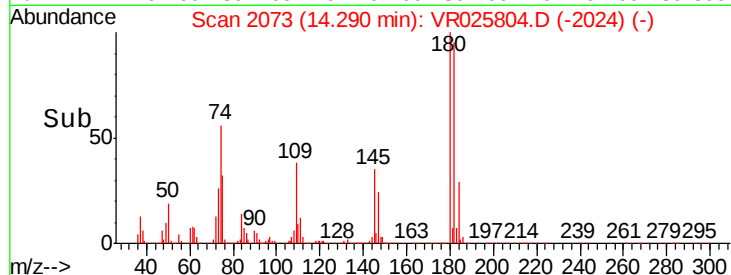
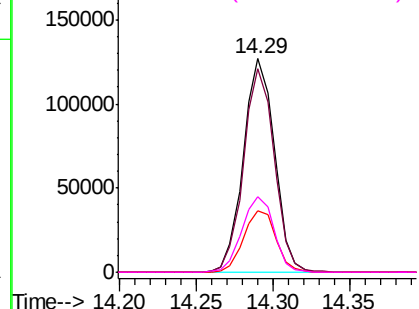
#67
 1,3,5-Trichlorobenzene
 Concen: 4.649 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00525

Tgt Ion:	180	Resp:	178630
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.2	115.8
184	30.1	24.5	36.7
145	36.8	31.1	46.7

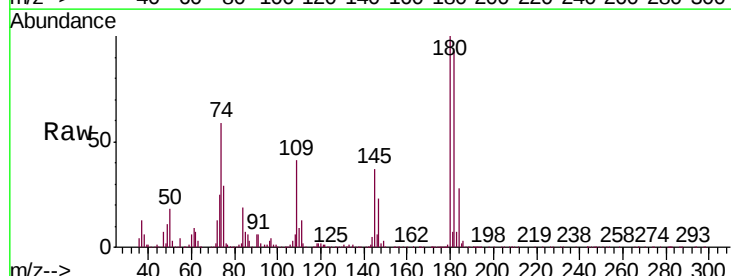


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

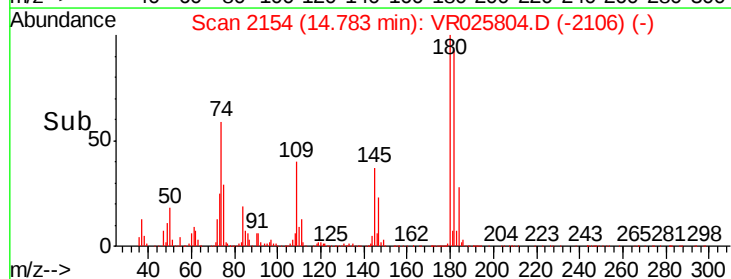
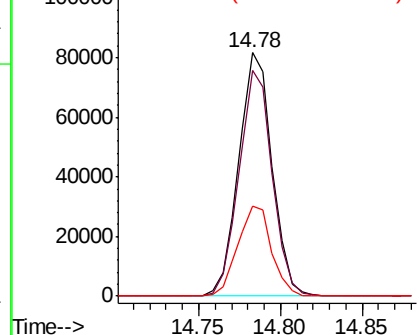


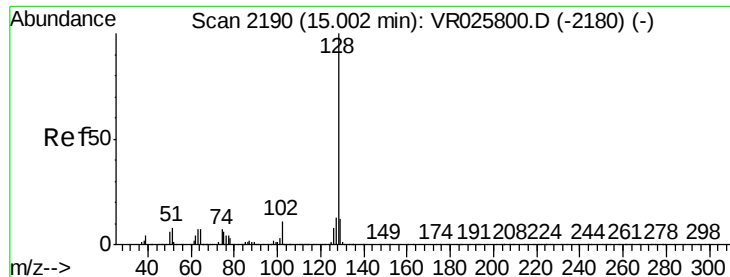
#68
 1,2,4-trichlorobenzene
 Concen: 4.760 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR025804.D
 Acq: 21 Sep 2018 16:54

Tgt Ion:	180	Resp:	116367
Ion Ratio	Lower	Upper	
180	100		
182	91.9	75.2	112.8
145	37.3	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: 4.839 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

Instrument :

MSVOA_R

ClientSampled :

VSTD00525

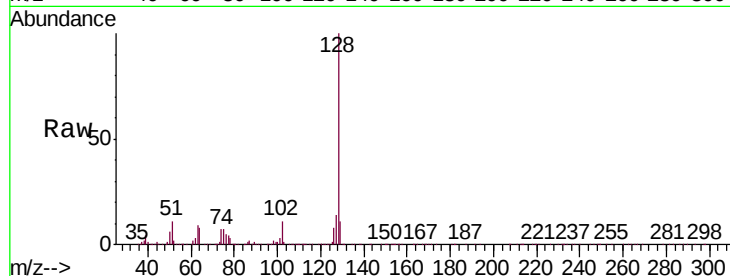
Tgt Ion:128 Resp: 172177

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

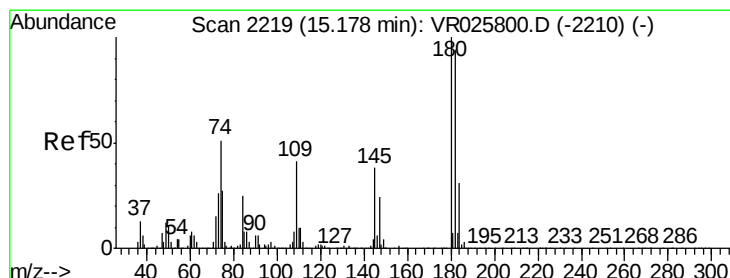
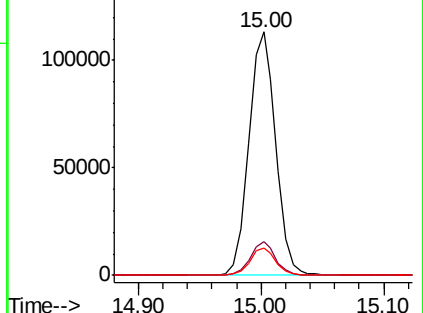
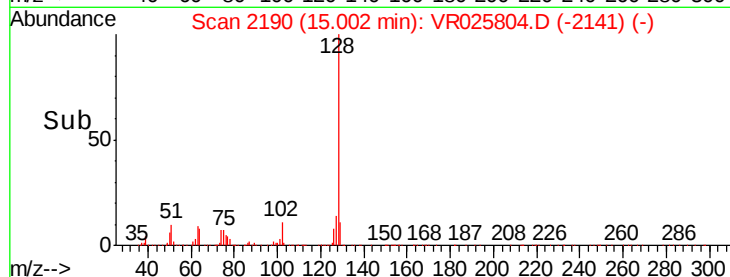
129 11.0 9.4 14.2



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: 4.623 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025804.D

Acq: 21 Sep 2018 16:54

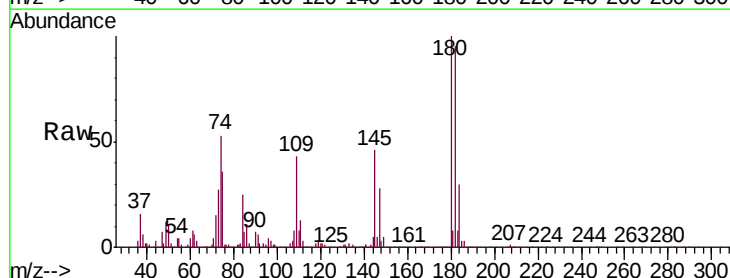
Tgt Ion:180 Resp: 80298

Ion Ratio Lower Upper

180 100

182 93.5 74.7 112.1

145 40.1 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

