

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051579.D
 Acq On : 27 Sep 2018 13:03
 Operator : MD\SY
 Sample : J5507-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-A

Quant Time: Sep 27 14:30:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1026630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	452564	58.21	ug/l	0.00
Spiked Amount			Recovery	=	116.42%	
35) Dibromofluoromethane	7.59	113	396704	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	10.09	98	1421042	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.40	95	376474	37.65	ug/l	0.00
Spiked Amount			Recovery	=	75.30%	

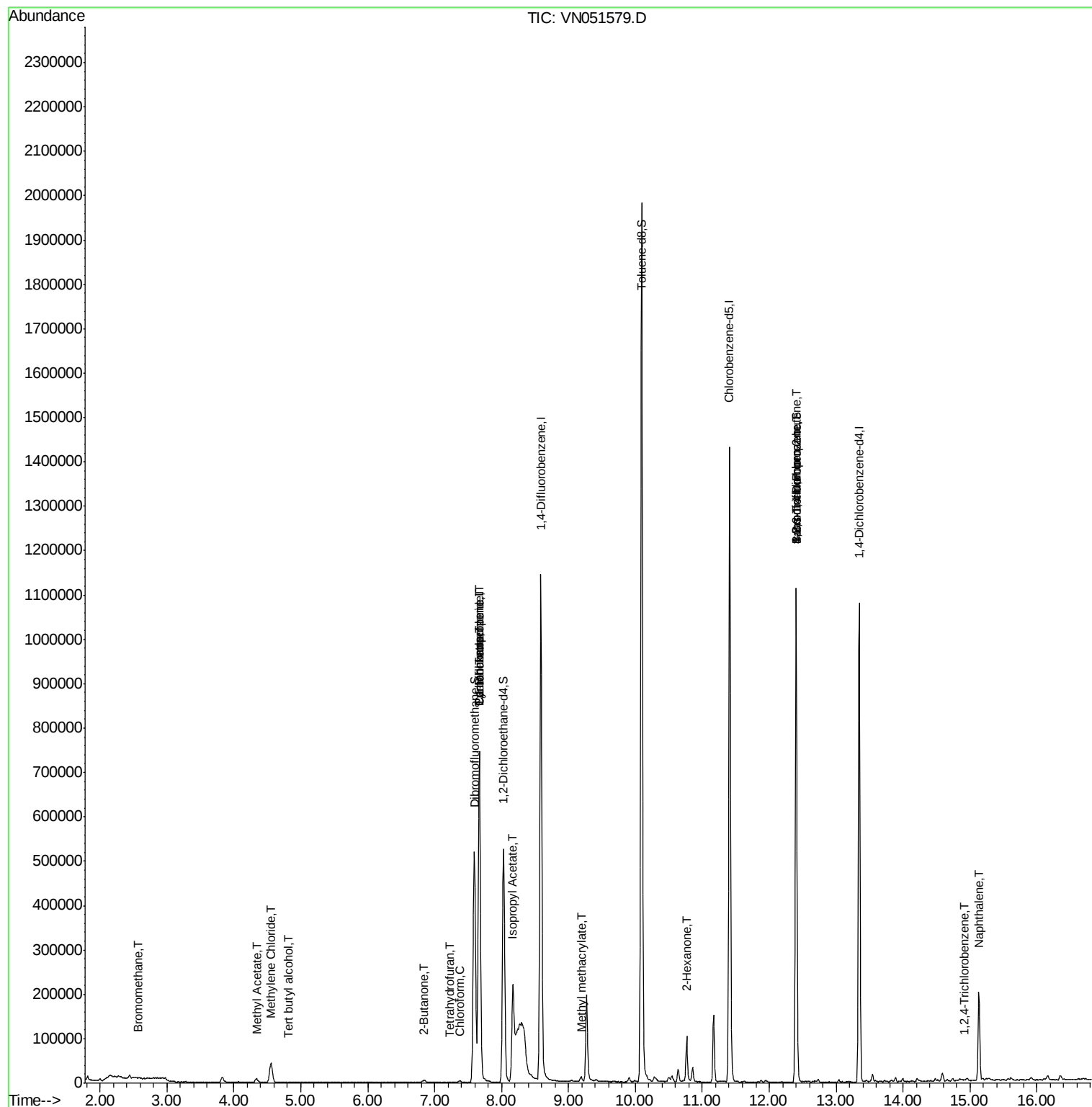
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	961	0.217	ug/l #	37
11) Tert butyl alcohol	4.80	59	274	0.624	ug/l #	78
16) Acetone	3.82	43	19361	Below Cal		97
18) Methyl Acetate	4.33	43	16958	2.864	ug/l #	71
20) Methylene Chloride	4.55	84	31877	4.143	ug/l	97
25) 2-Butanone	6.85	43	5999	2.254	ug/l	95
29) Tetrahydrofuran	7.22	42	738	0.438	ug/l #	64
30) Chloroform	7.38	83	4610	0.348	ug/l	89
31) Cyclohexane	7.66	56	12569	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45293	3.810	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57249	4.604	ug/l #	17
43) Isopropyl Acetate	8.17	43	282101	22.823	ug/l #	92
48) Methyl methacrylate	9.18	41	6410	1.040	ug/l #	23
59) 2-Hexanone	10.77	43	13661	3.100	ug/l #	61
71) Bromoform	12.39	173	1275	0.227	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	184572	37.374	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	184572	114.922	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	161	6.006	ug/l #	1
95) Naphthalene	15.13	128	169987	20.940	ug/l	98

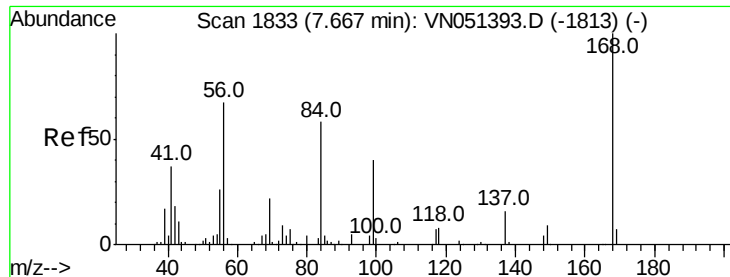
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Instrument :

MSVOA_N

ClientSampled :

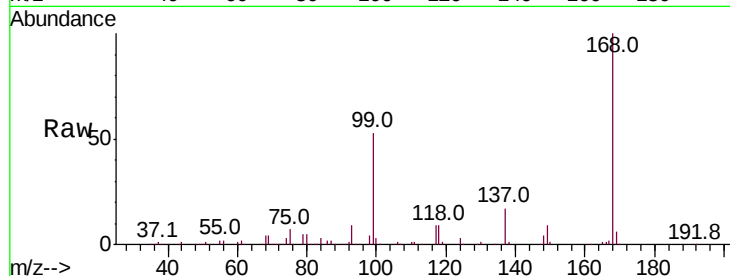
TP-A

Tot Ion:168 Resp: 620677

Ion Ratio Lower Upper

168 100

99 53.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D

Ion 98.90 (98.60 to 99.60): VN051393.D

7.67

250000

200000

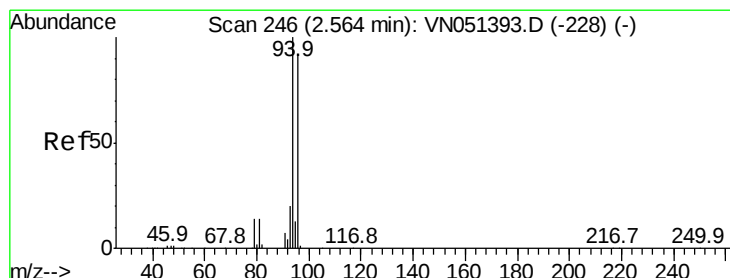
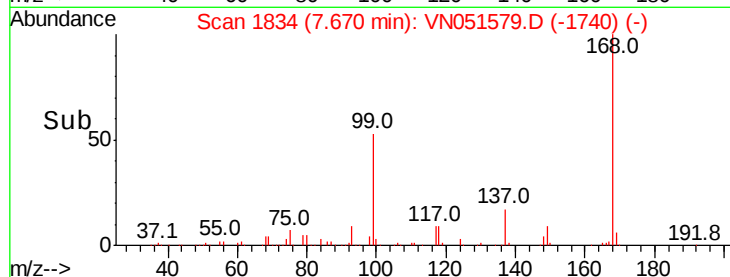
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: 0.217 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051579.D

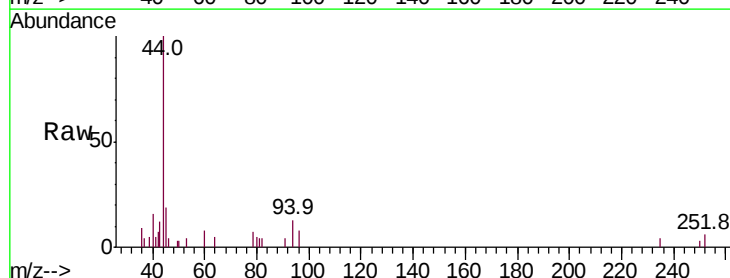
Acq: 27 Sep 2018 13:03

Tgt Ion: 94 Resp: 961

Ion Ratio Lower Upper

94 100

96 32.2 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D

Ion 95.90 (95.60 to 96.60): VN051393.D

2.57

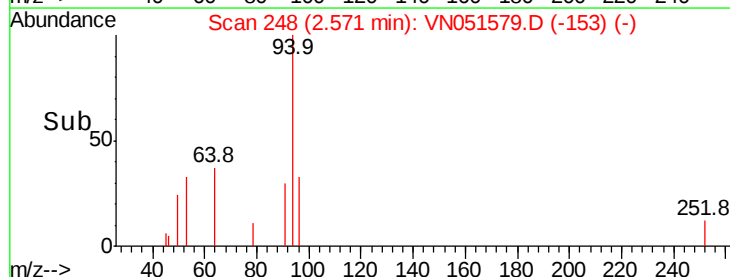
600

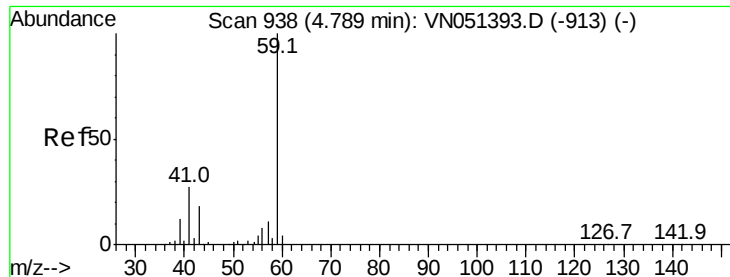
400

200

0

Time--> 2.52 2.54 2.56 2.58 2.60

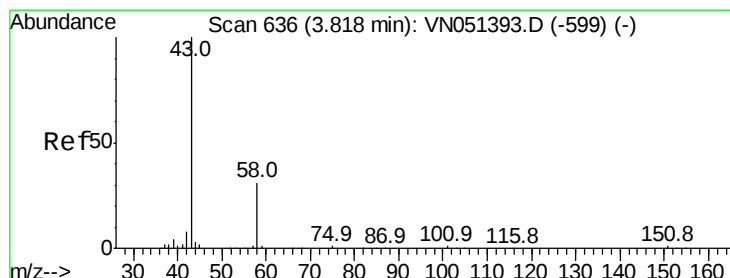
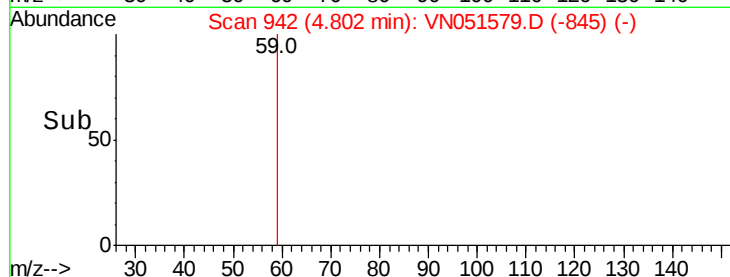
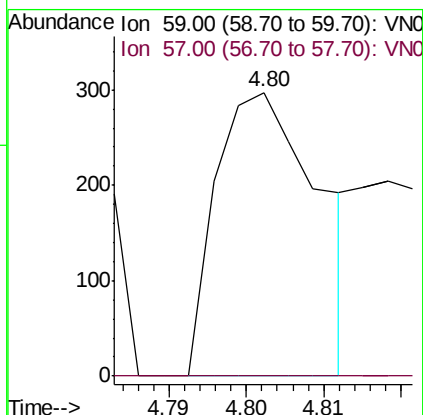
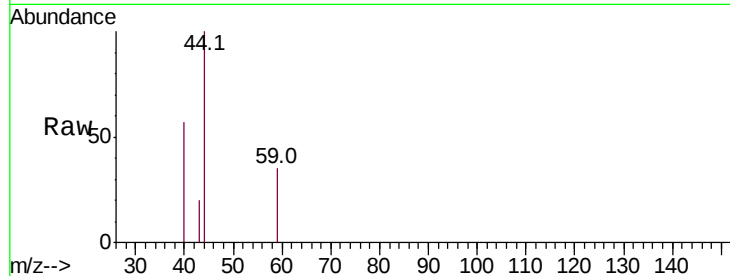




#11
Tert butyl alcohol
Concen: 0.624 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

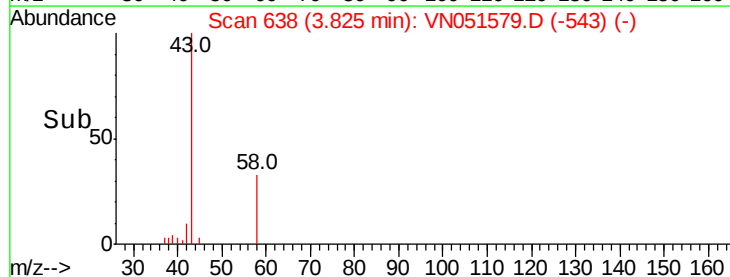
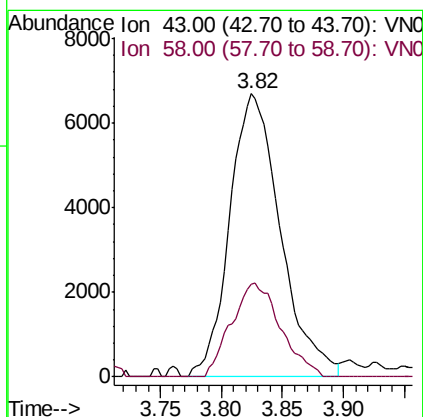
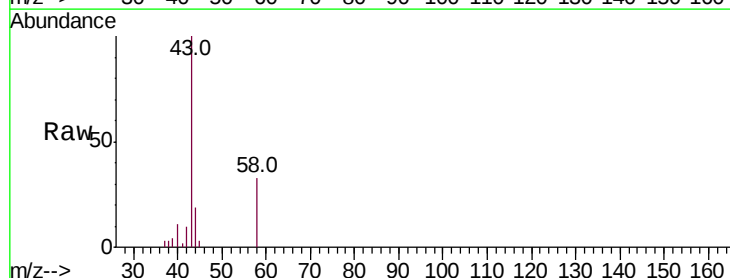
Instrument :
MSVOA_N
ClientSampled :
TP-A

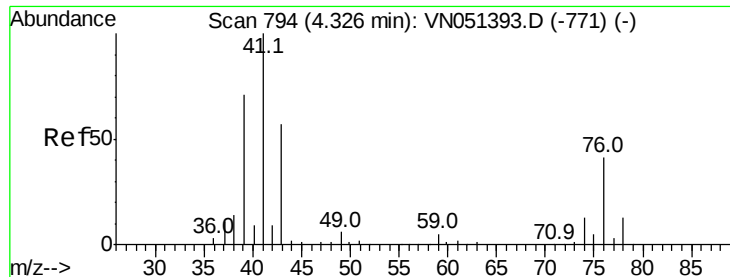
Tot Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 43 Resp: 19361
Ion Ratio Lower Upper
43 100
58 32.9 25.0 37.4





#18

Methyl Acetate

Concen: 2.864 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

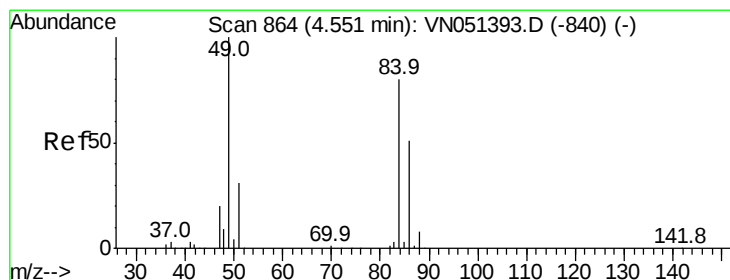
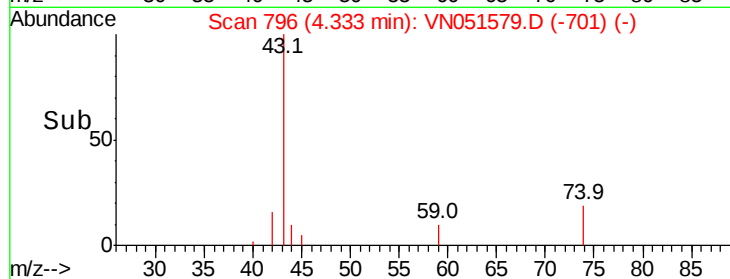
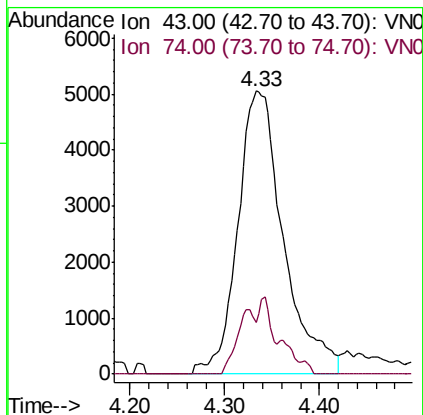
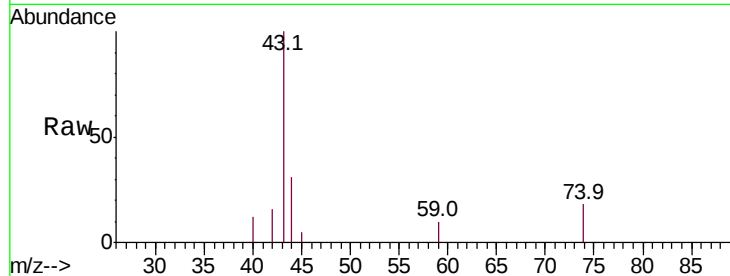
TP-A

Tot Ion: 43 Resp: 16958

Ion Ratio Lower Upper

43 100

74 9.2 18.8 28.2#



#20

Methylene Chloride

Concen: 4.143 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Tgt Ion: 84 Resp: 31877

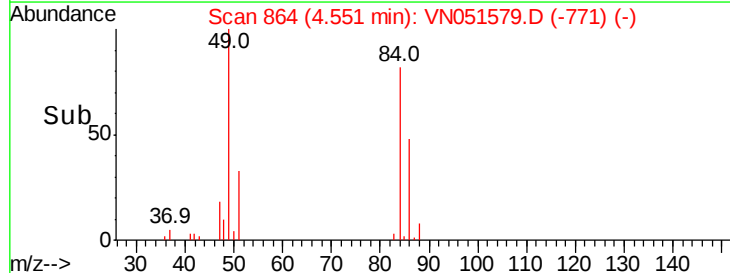
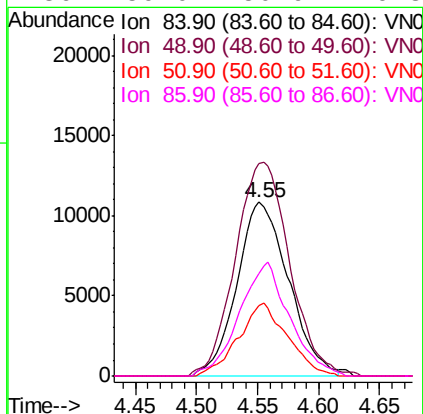
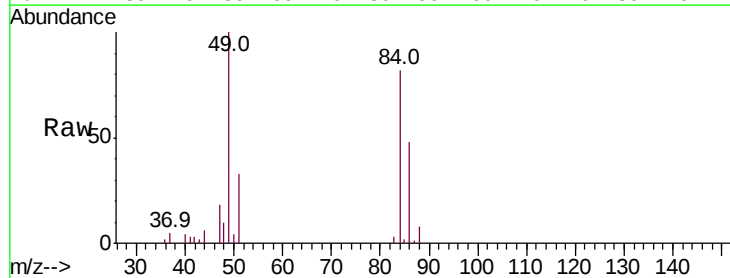
Ion Ratio Lower Upper

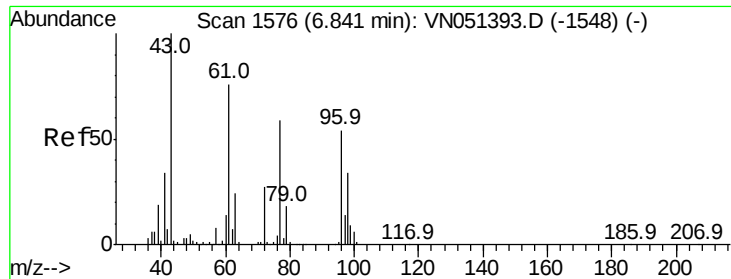
84 100

49 122.7 99.9 149.9

51 40.8 31.4 47.2

86 59.0 50.9 76.3

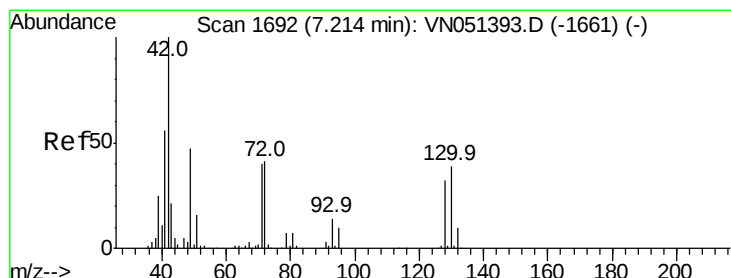
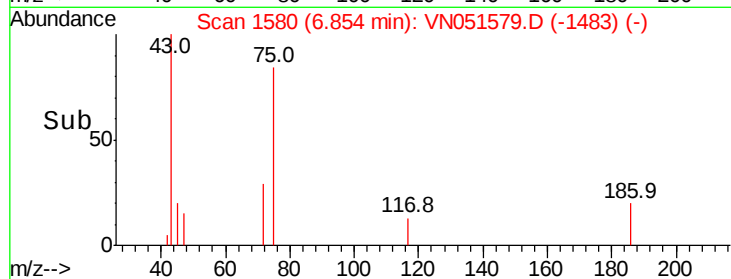
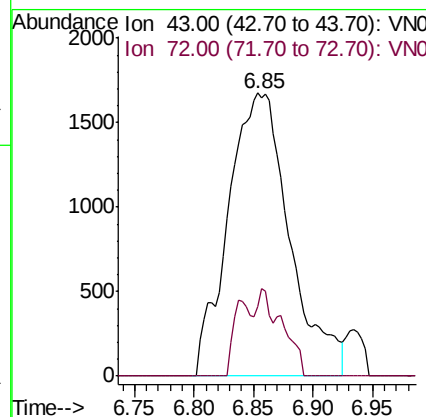
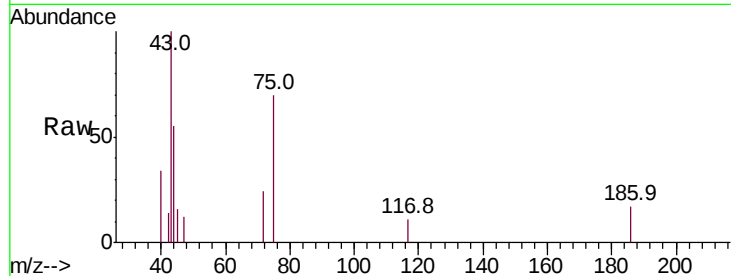




#25
2-Butanone
Concen: 2.254 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

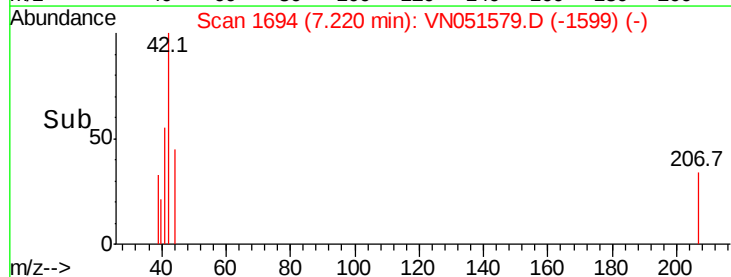
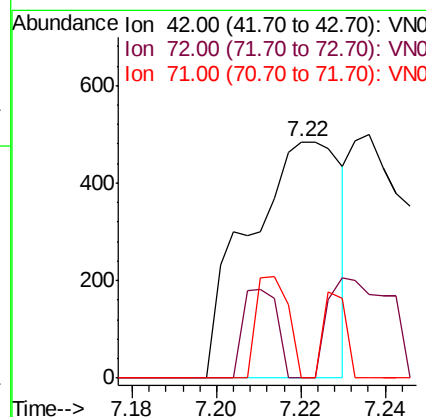
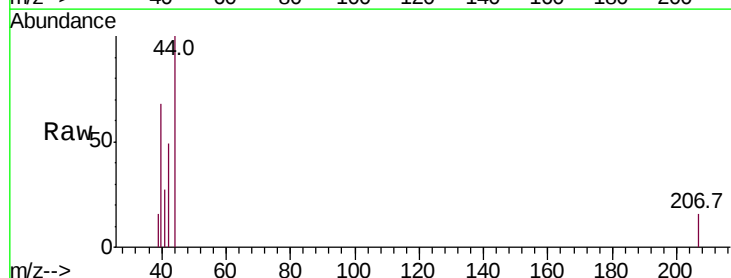
Instrument :
MSVOA_N
ClientSampleId :
TP-A

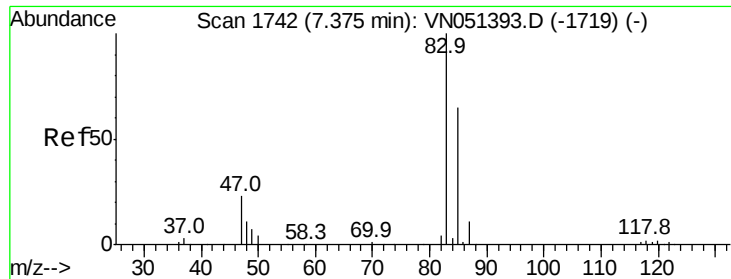
Tot Ion: 43 Resp: 5999
Ion Ratio Lower Upper
43 100
72 24.4 21.8 32.6



#29
Tetrahydrofuran
Concen: 0.438 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 42 Resp: 738
Ion Ratio Lower Upper
42 100
72 28.2 34.3 51.5#
71 8.8 32.2 48.4#

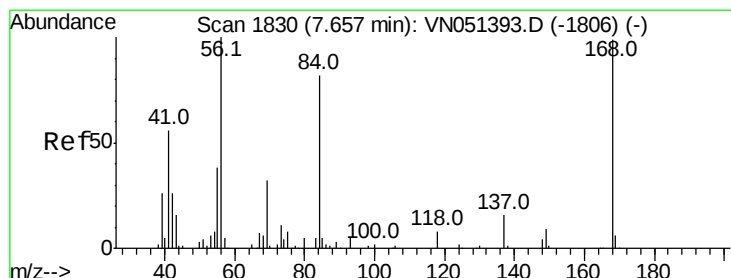
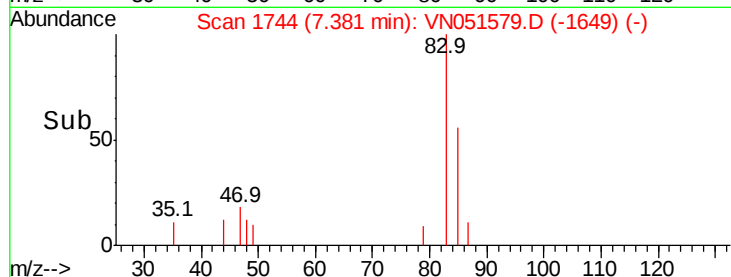
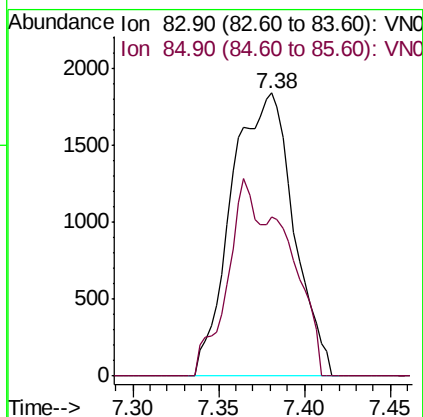
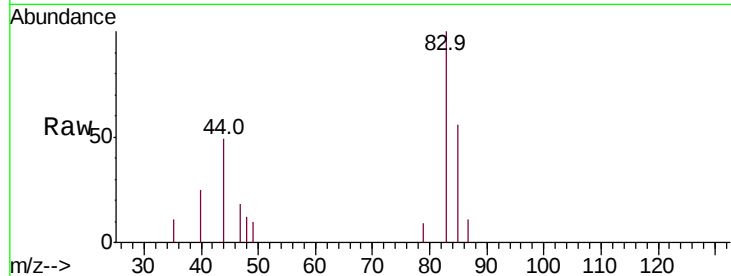




#30
Chloroform
Concen: 0.348 ug/l
RT: 7.38 min Scan# 1744
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

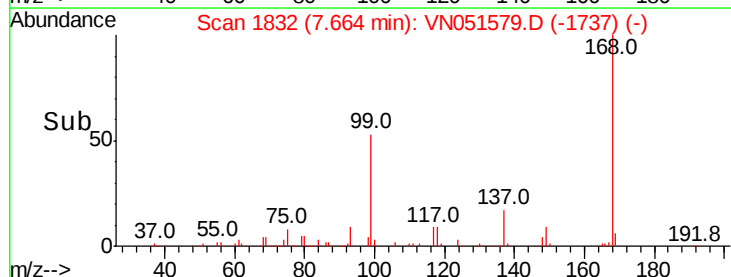
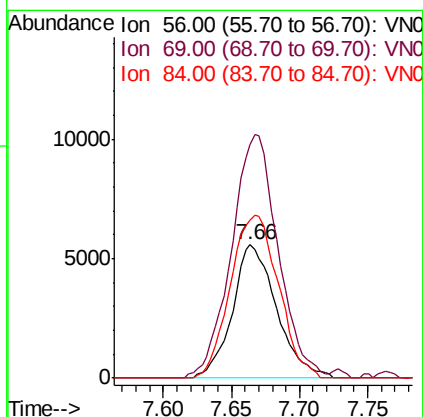
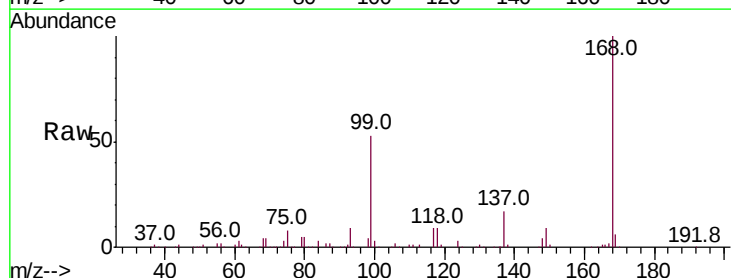
Instrument :
MSVOA_N
ClientSampleId :
TP-A

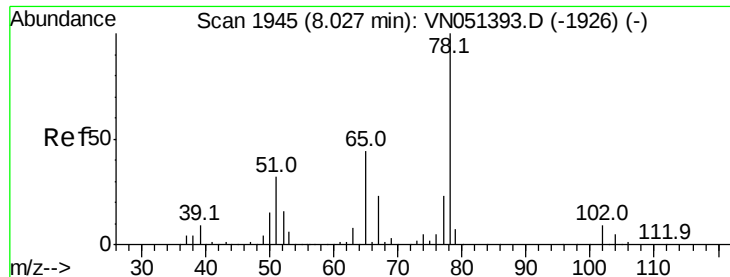
Tot Ion: 83 Resp: 4610
Ion Ratio Lower Upper
83 100
85 56.3 51.8 77.6



#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 56 Resp: 12569
Ion Ratio Lower Upper
56 100
69 172.8 25.8 38.6#
84 119.1 66.0 99.0#

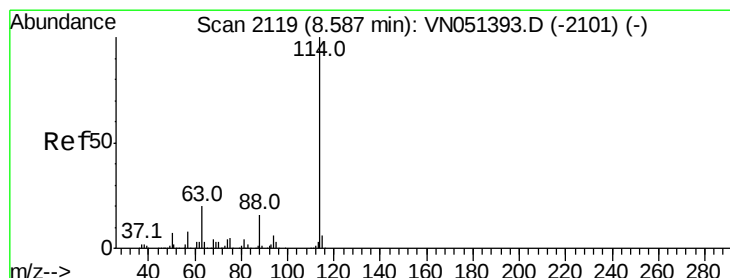
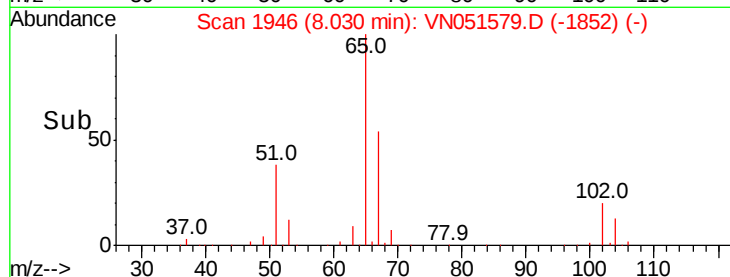
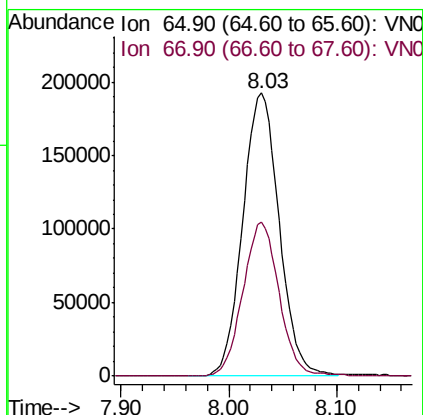
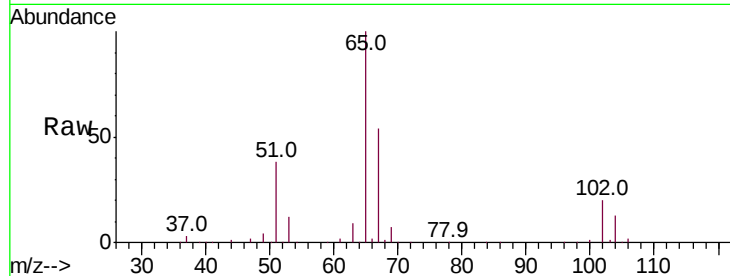




#33
 1,2-Dichloroethane-d4
 Concen: 58.207 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051579.D
 Acq: 27 Sep 2018 13:03

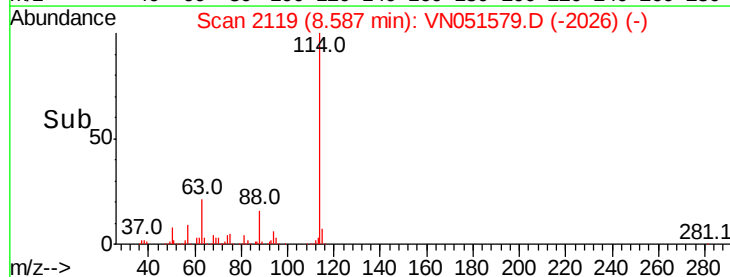
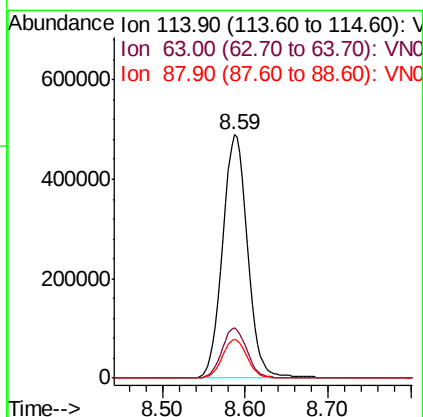
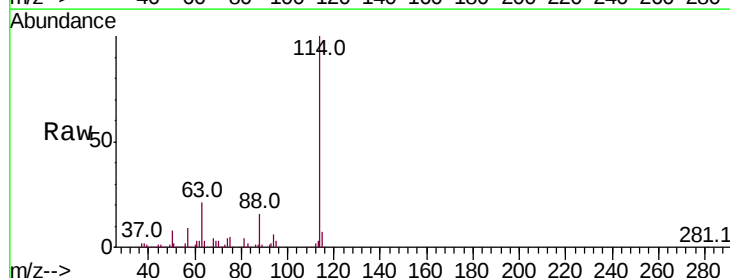
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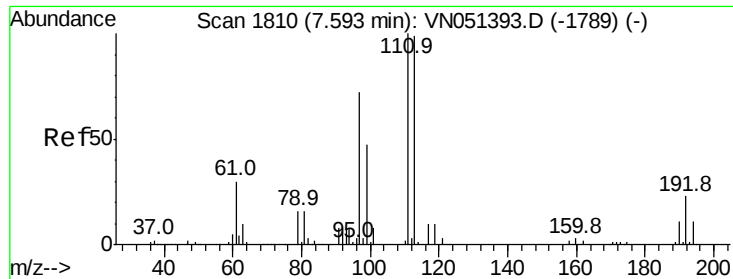
Tot Ion: 65 Resp: 452564
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051579.D
 Acq: 27 Sep 2018 13:03

Tgt Ion: 114 Resp: 1026630
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 15.9 0.0 31.4

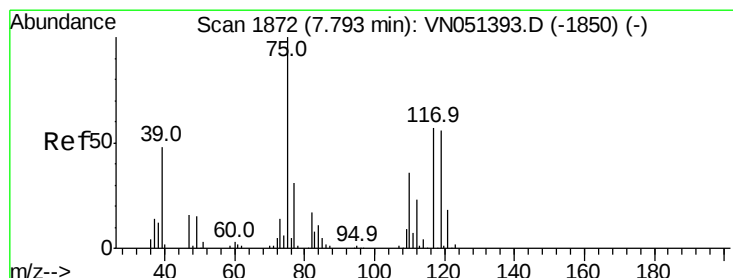
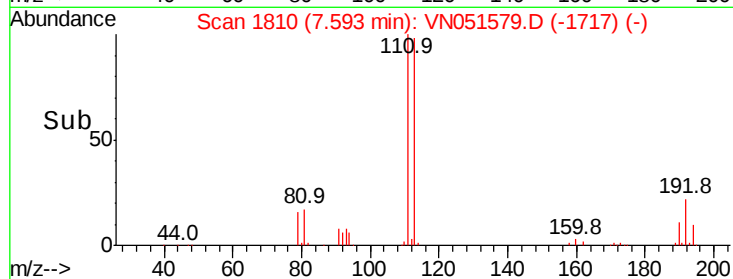
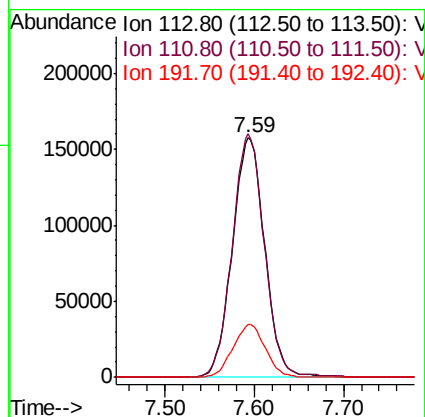
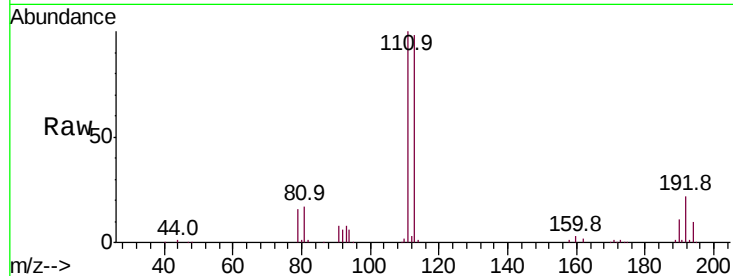




#35
 Dibromofluoromethane
 Concen: 48.323 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051579.D
 Acq: 27 Sep 2018 13:03

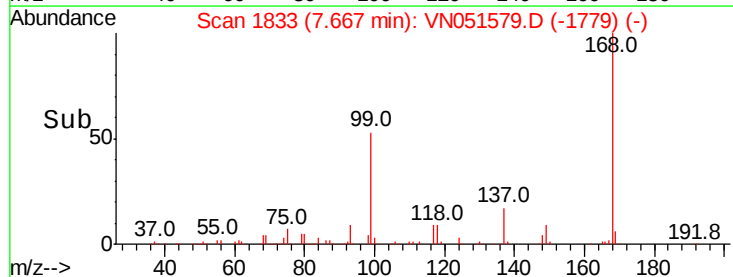
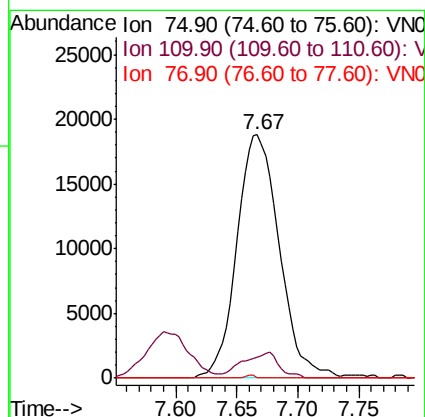
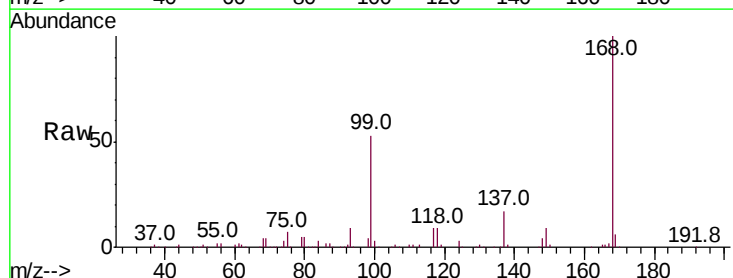
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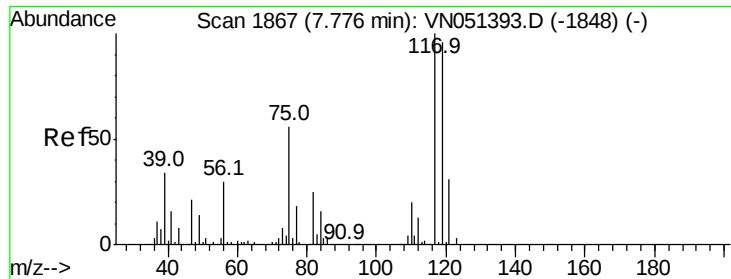
Tot Ion:113 Resp: 396704
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.6 123.8
 192 22.0 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.810 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051579.D
 Acq: 27 Sep 2018 13:03

Tgt Ion: 75 Resp: 45293
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.3#
 77 0.3 25.6 38.4#

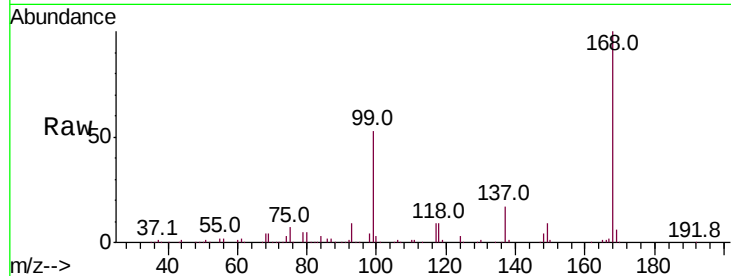




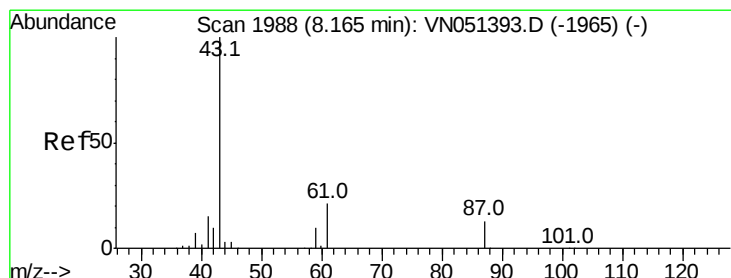
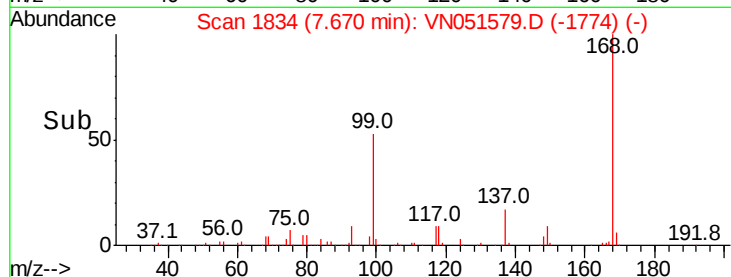
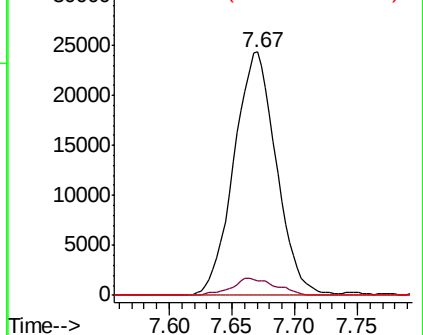
#38
Carbon Tetrachloride
Concen: 4.604 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Instrument :
MSVOA_N
ClientSampleId :
TP-A

Tot Ion:117 Resp: 57249
Ion Ratio Lower Upper
117 100
119 6.1 76.9 115.3#
121 0.0 24.6 37.0#

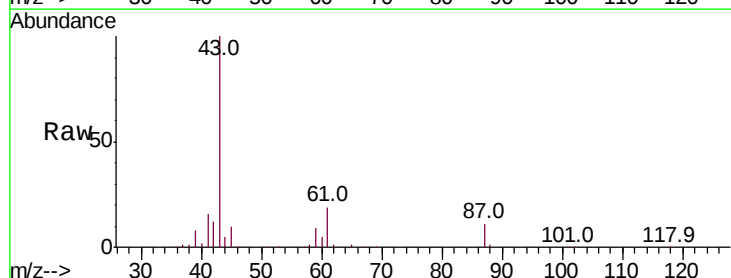


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

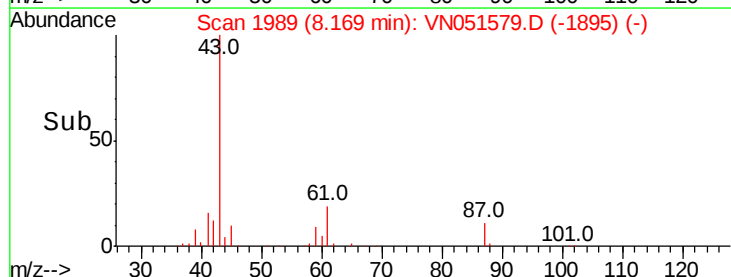
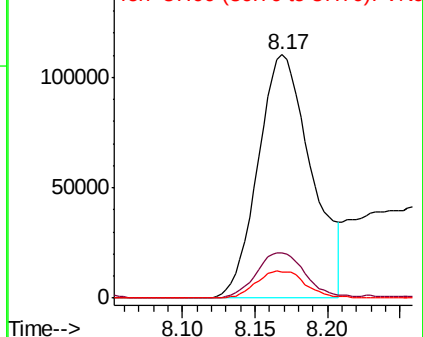


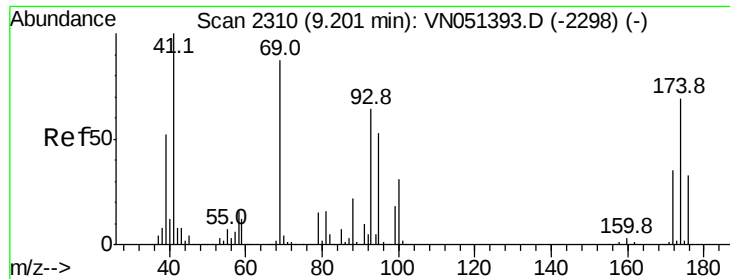
#43
Isopropyl Acetate
Concen: 22.823 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 43 Resp: 282101
Ion Ratio Lower Upper
43 100
61 17.2 16.8 25.2
87 10.2 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

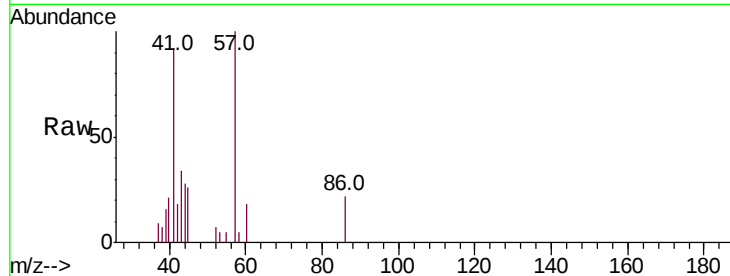




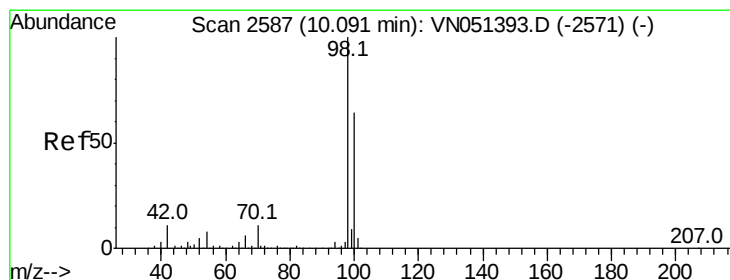
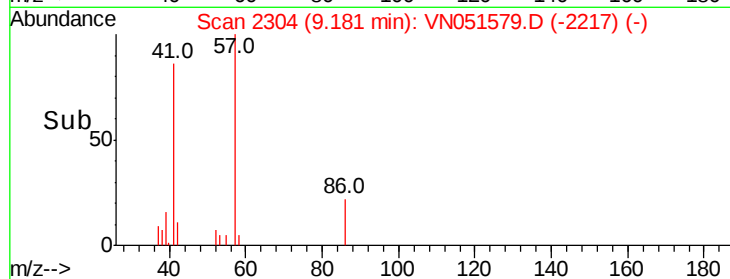
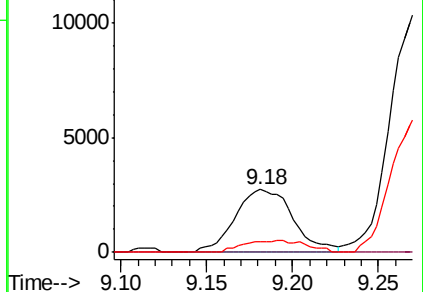
#48
Methvl methacrylate
Concen: 1.040 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Instrument :
MSVOA_N
ClientSampled :
TP-A

Tot Ion: 41 Resp: 6410
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 20.5 43.8 65.8#

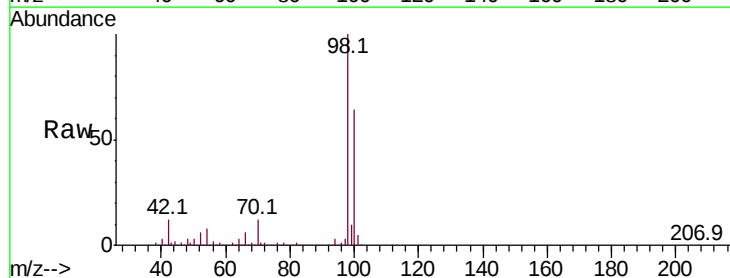


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

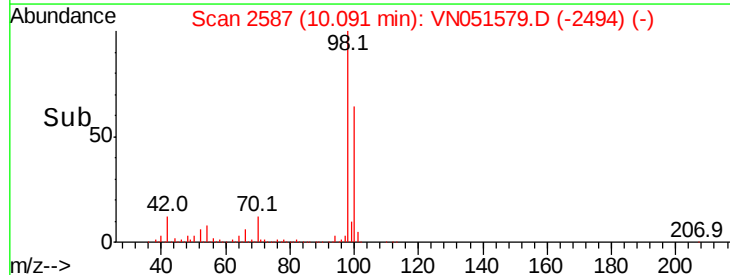
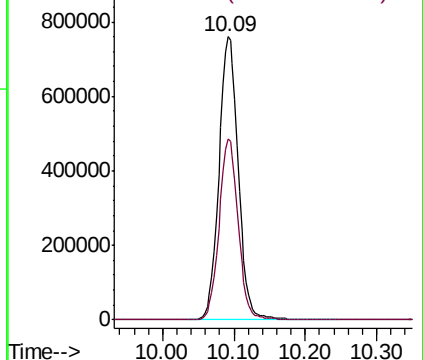


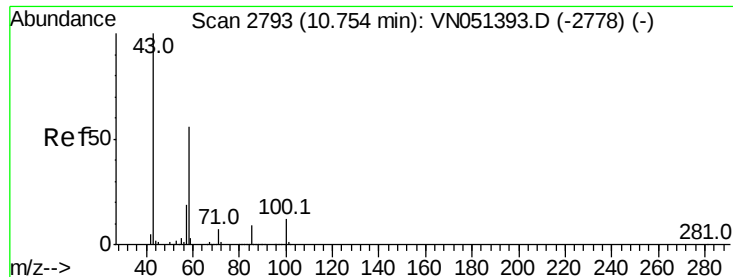
#50
Toluene-d8
Concen: 45.968 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 98 Resp: 1421042
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC

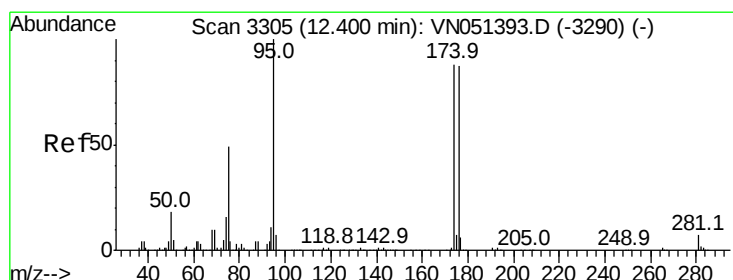
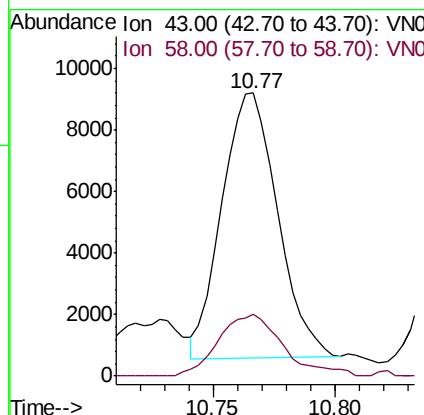
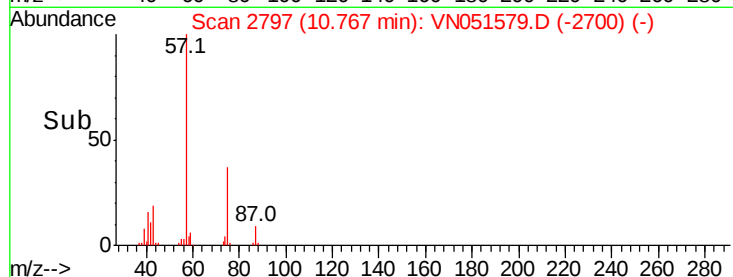
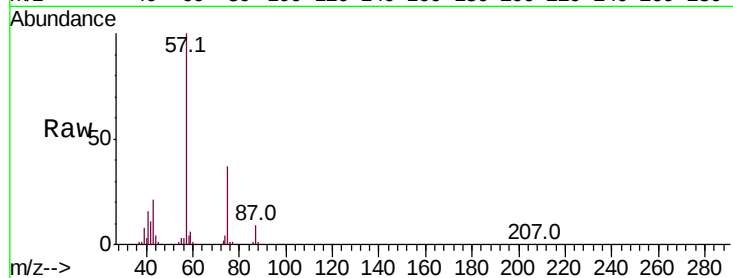




#59
2-Hexanone
Concen: 3.100 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

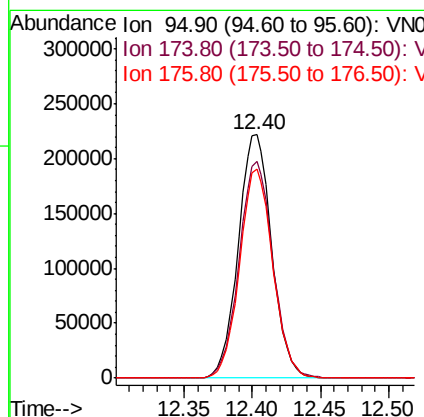
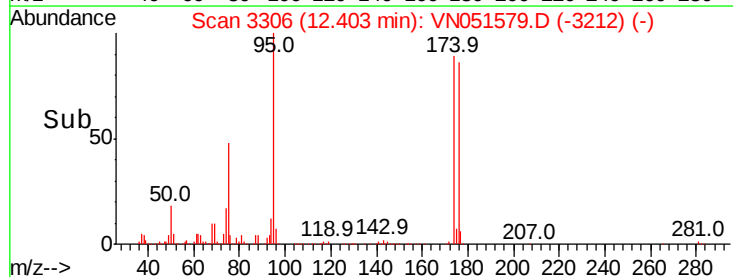
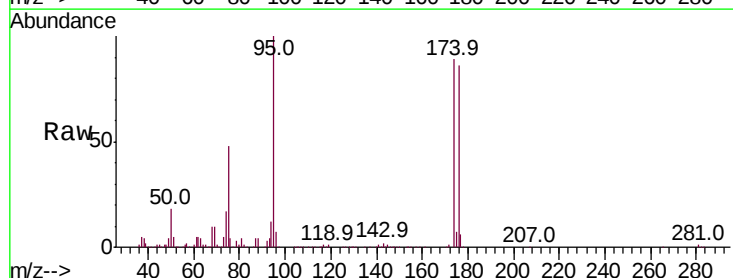
Instrument :
MSVOA_N
ClientSampleId :
TP-A

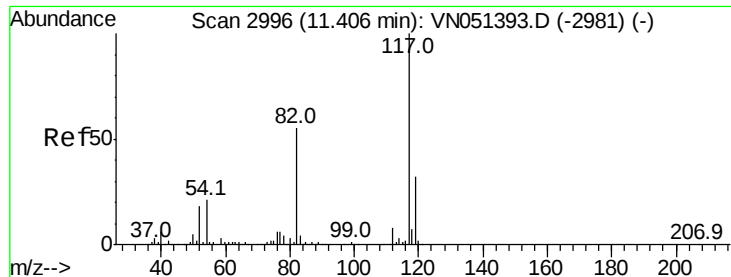
Tot Ion: 43 Resp: 13661
Ion Ratio Lower Upper
43 100
58 27.2 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 37.645 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion: 95 Resp: 376474
Ion Ratio Lower Upper
95 100
174 90.1 0.0 181.6
176 85.7 0.0 176.4

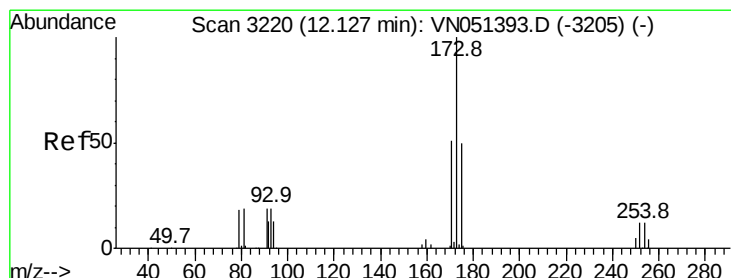
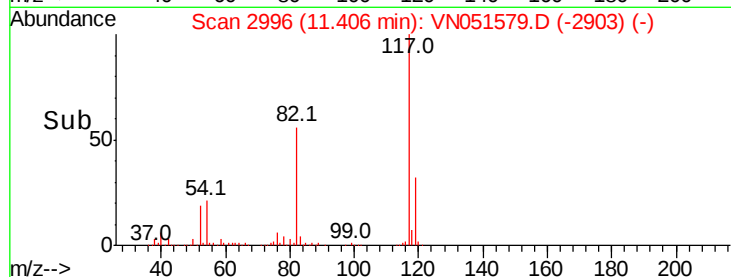
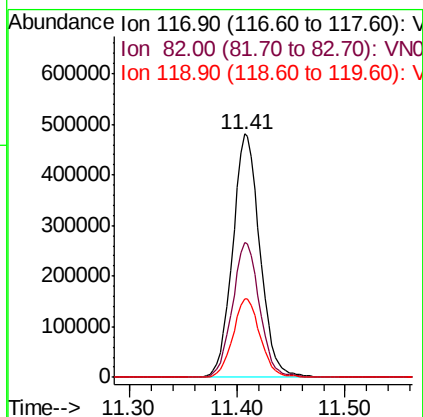
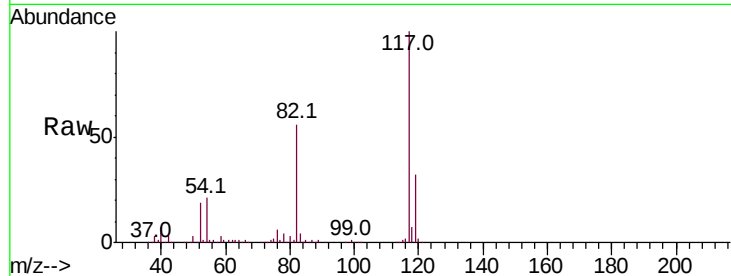




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

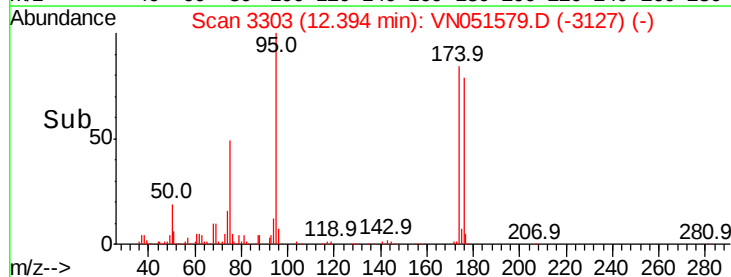
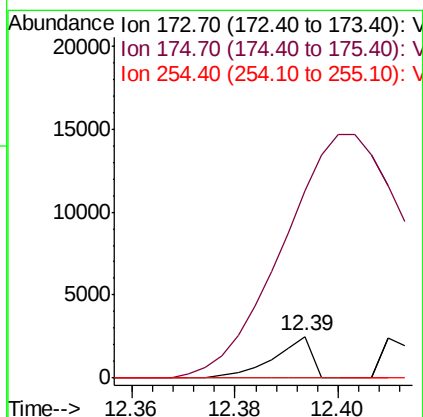
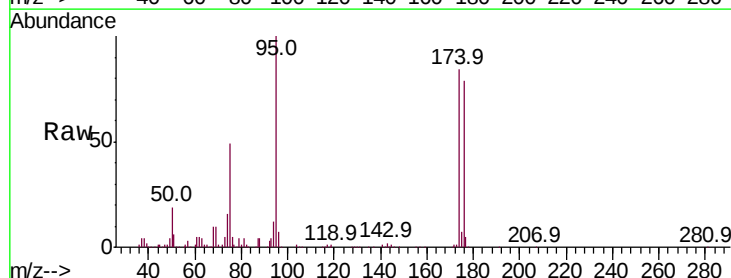
Instrument :
MSVOA_N
ClientSampleId :
TP-A

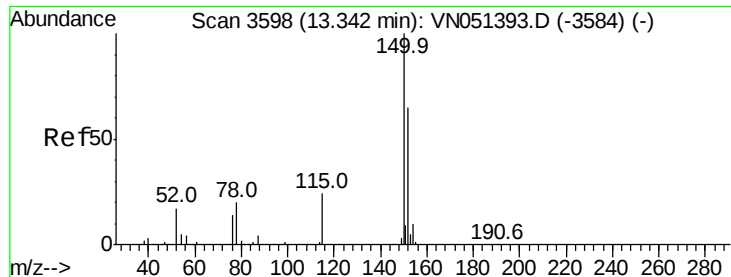
Tot Ion:117 Resp: 848484
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.4 25.9 38.9



#71
Bromoform
Concen: 0.227 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN051579.D
Acq: 27 Sep 2018 13:03

Tgt Ion:173 Resp: 1275
Ion Ratio Lower Upper
173 100
175 1705.3 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

TP-A

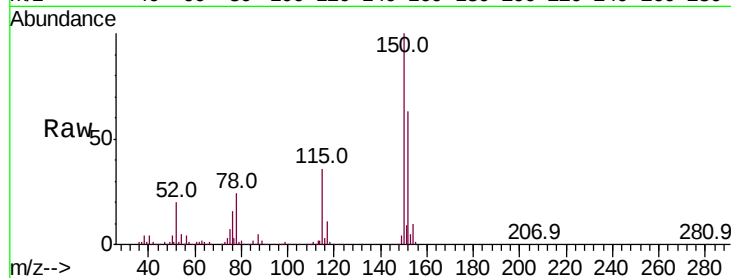
Tot Ion:152 Resp: 297490

Ion Ratio Lower Upper

152 100

115 57.5 28.3 84.9

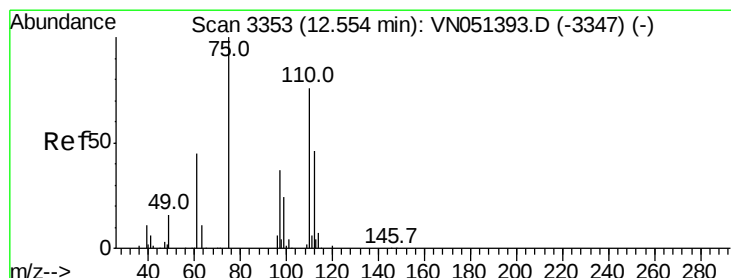
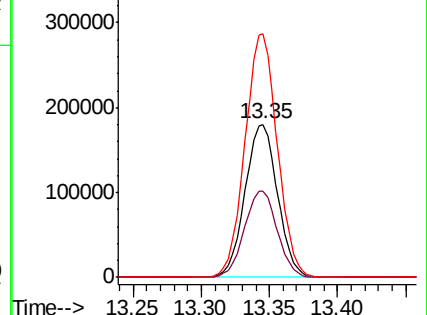
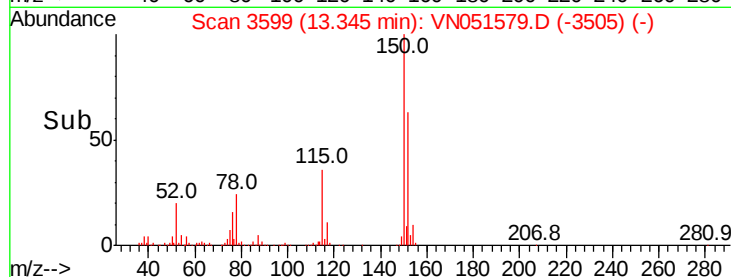
150 158.3 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.374 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051579.D

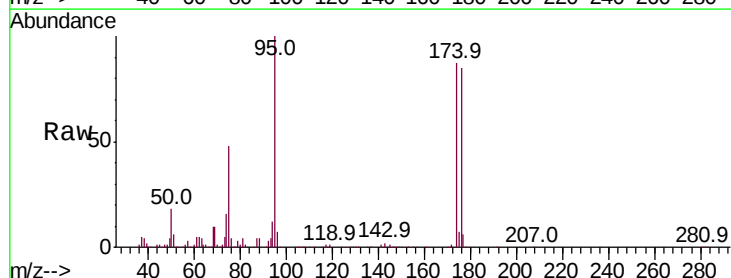
Acq: 27 Sep 2018 13:03

Tgt Ion: 75 Resp: 184572

Ion Ratio Lower Upper

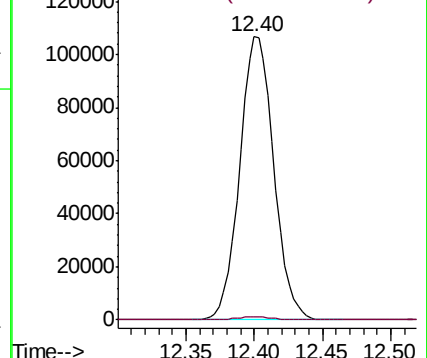
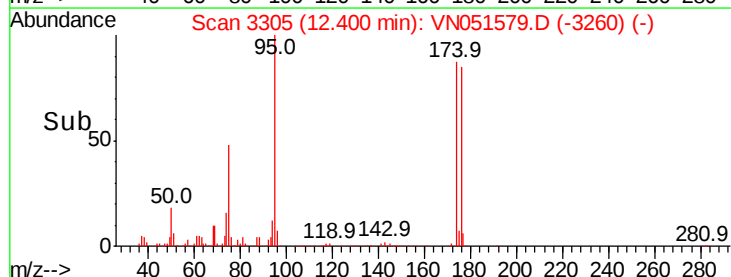
75 100

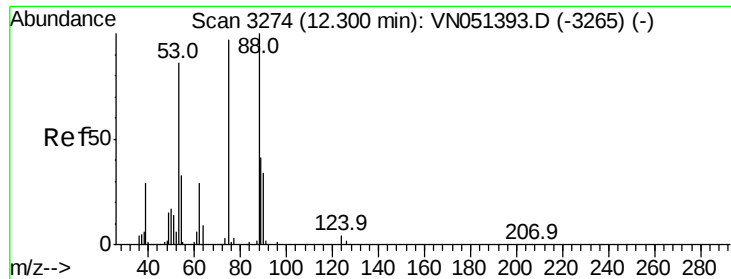
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.922 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Instrument :

MSVOA_N

ClientSampled :

TP-A

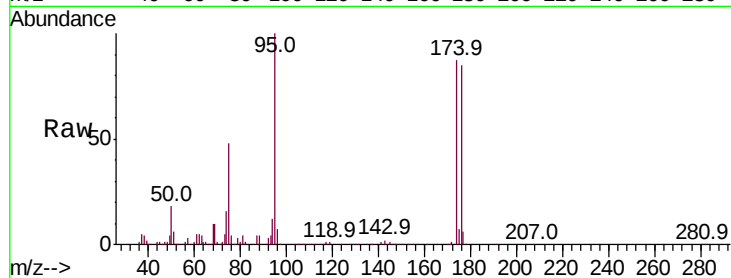
Tot Ion: 75 Resp: 184572

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

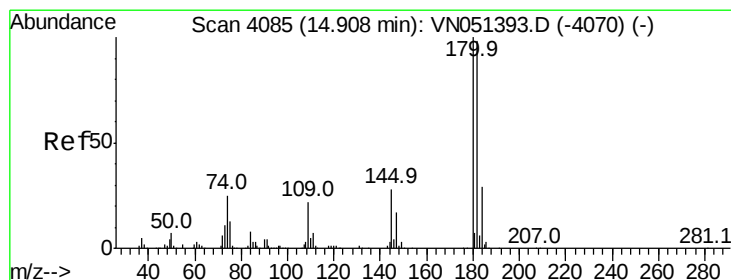
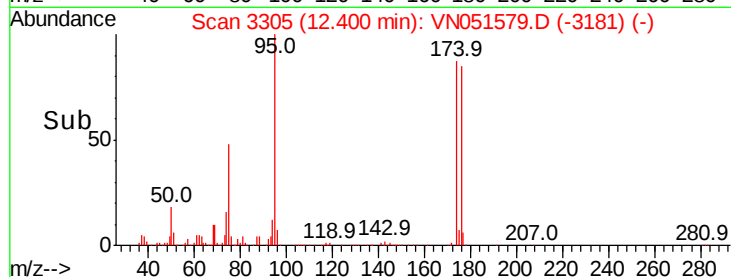
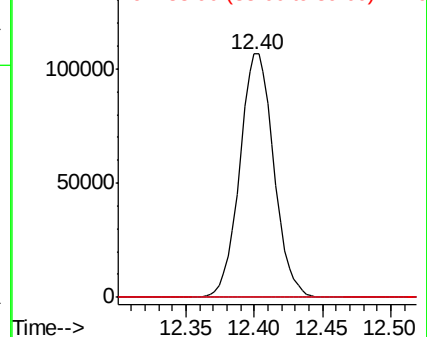
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 6.006 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

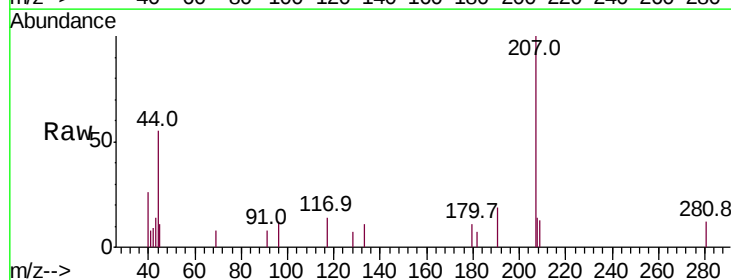
Tgt Ion:180 Resp: 161

Ion Ratio Lower Upper

180 100

182 109.3 48.5 145.6

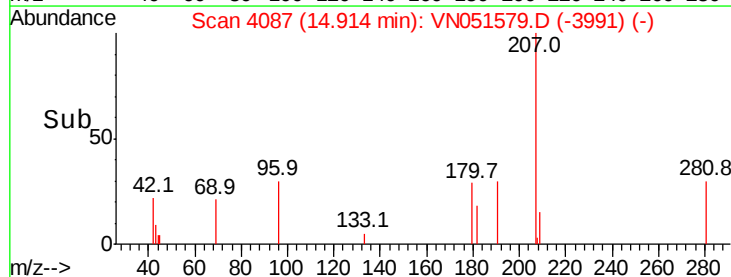
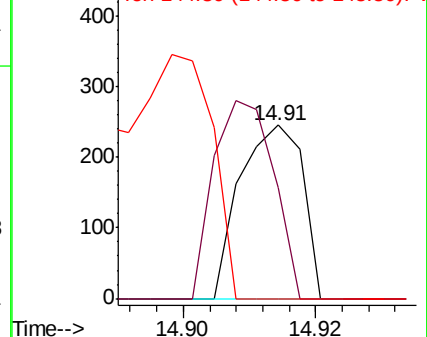
145 257.8 14.1 42.4#

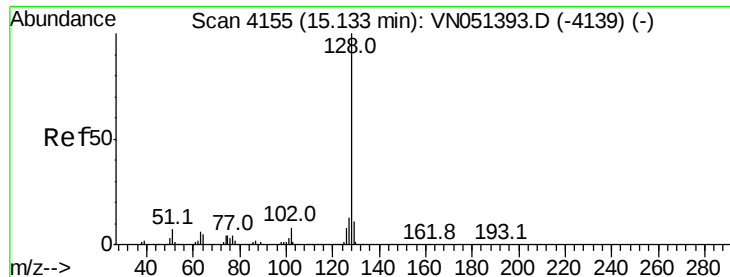


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 20.940 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051579.D

Acq: 27 Sep 2018 13:03

Instrument :

MSVOA_N

ClientSampleId :

TP-A

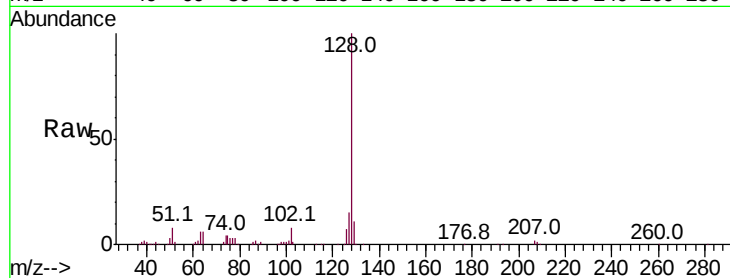
Tot Ion:128 Resp: 169987

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

129 11.0 8.6 12.8



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

