

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051557.D
 Acq On : 27 Sep 2018 00:30
 Operator : MD\SY
 Sample : J5070-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RT-4005

Quant Time: Sep 27 08:02:32 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	634684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1036145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	877811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	327908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	461496	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	
35) Dibromofluoromethane	7.59	113	393835	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.09	98	1429470	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.40	95	396551	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	

Target Compounds

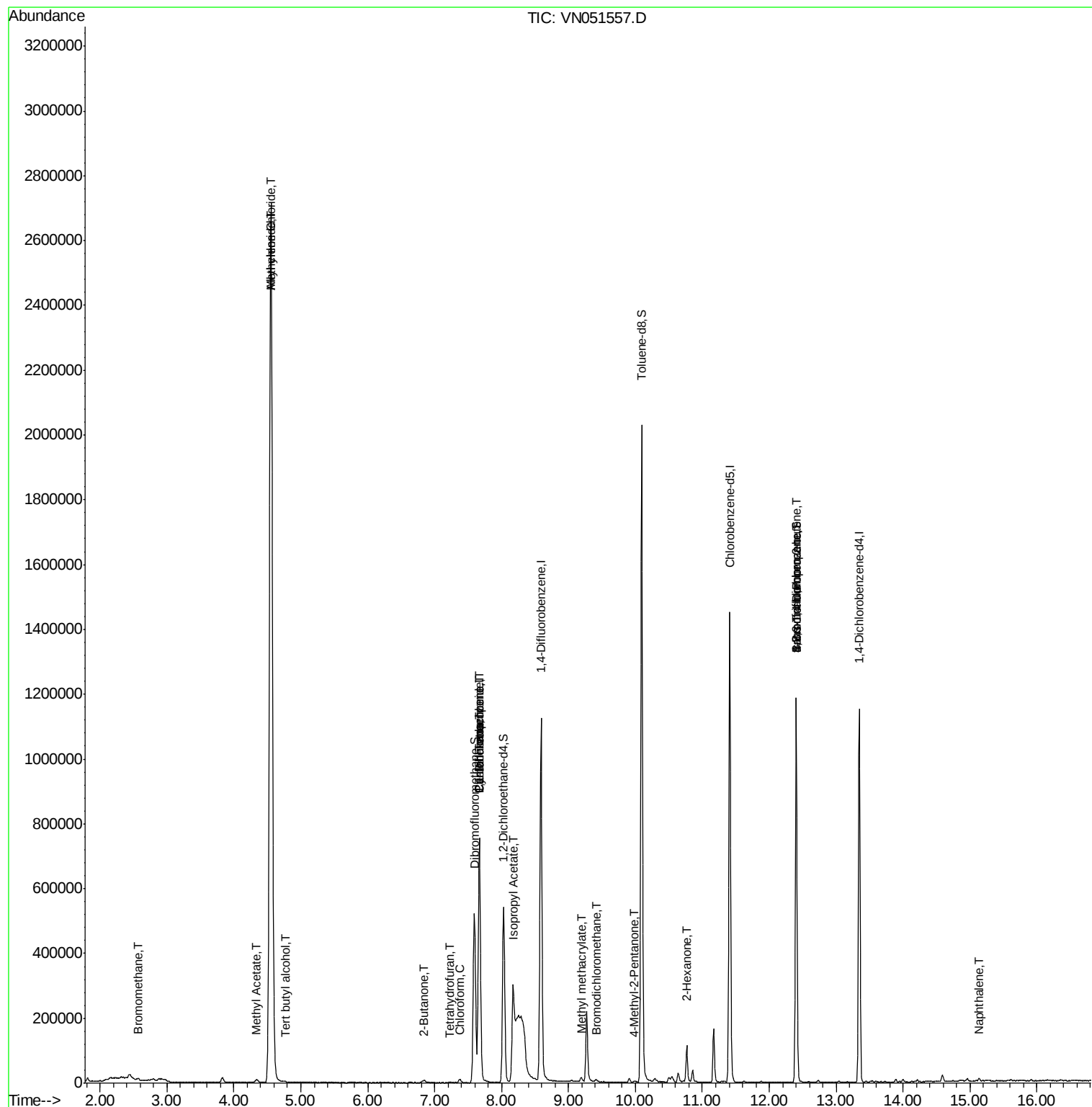
					Qvalue	
5) Bromomethane	2.57	94	940	0.210	ug/l	93
11) Tert butyl alcohol	4.78	59	137	0.305	ug/l #	78
14) Allyl chloride	4.55	41	84042	7.093	ug/l #	26
16) Acetone	3.82	43	24053	Below Cal		97
18) Methyl Acetate	4.34	43	17021	2.811	ug/l	93
20) Methylene Chloride	4.55	84	2035866	258.771	ug/l	98
25) 2-Butanone	6.85	43	1647	0.605	ug/l #	87
29) Tetrahydrofuran	7.22	42	755	0.438	ug/l #	72
30) Chloroform	7.38	83	10017	0.740	ug/l	98
31) Cyclohexane	7.67	56	12543	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46801	3.900	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58307	4.646	ug/l #	17
43) Isopropyl Acetate	8.17	43	410762	32.927	ug/l #	85
47) Bromodichloromethane	9.41	83	3199	0.267	ug/l #	81
48) Methyl methacrylate	9.18	41	7530	1.211	ug/l #	23
51) 4-Methyl-2-Pentanone	9.98	43	2632	0.384	ug/l	89
59) 2-Hexanone	10.77	43	15881	3.571	ug/l #	58
71) Bromoform	12.41	173	3665	0.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	193270	35.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	193270	109.175	ug/l #	13
95) Naphthalene	15.13	128	7456	8.557	ug/l	96

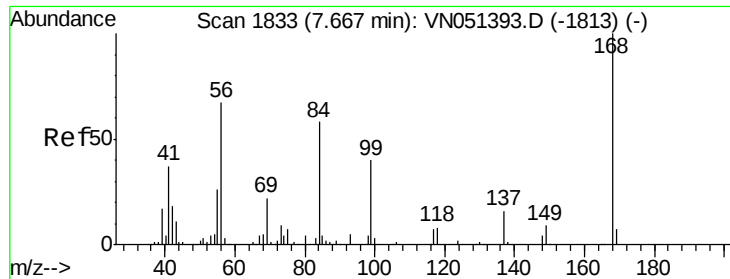
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051557.D
Acq On : 27 Sep 2018 00:30
Operator : MD\SY
Sample : J5070-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CS-RT-4005

Quant Time: Sep 27 08:02:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
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: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

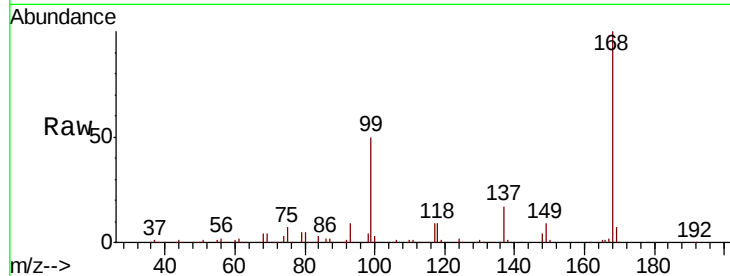
CS-RT-4005

Tot Ion:168 Resp: 634684

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

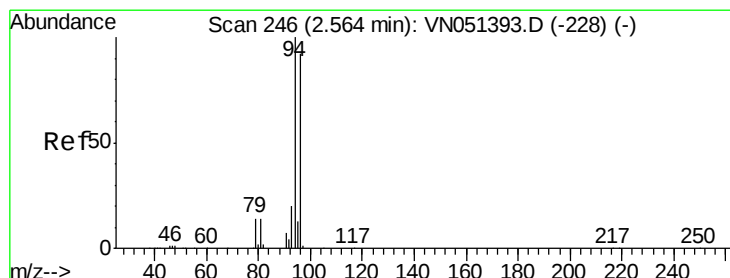
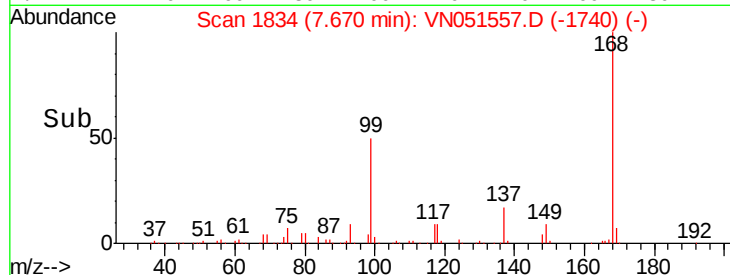
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.210 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051557.D

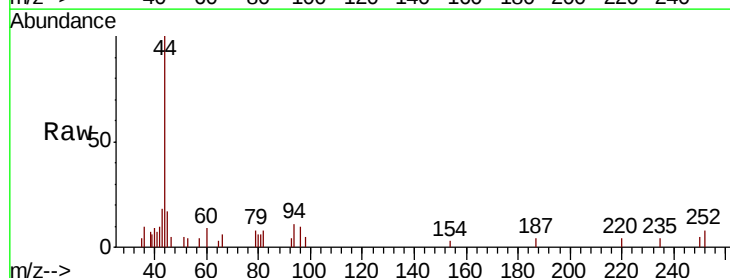
Acq: 27 Sep 2018 00:30

Tgt Ion: 94 Resp: 940

Ion Ratio Lower Upper

94 100

96 85.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

500

400

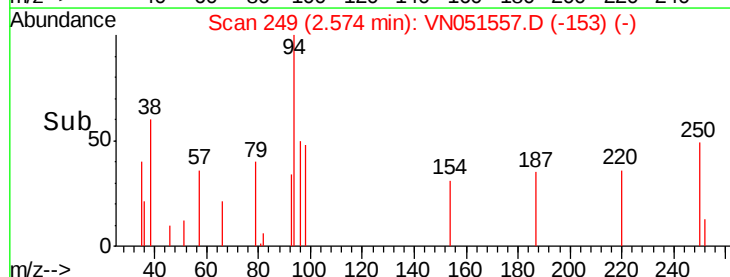
300

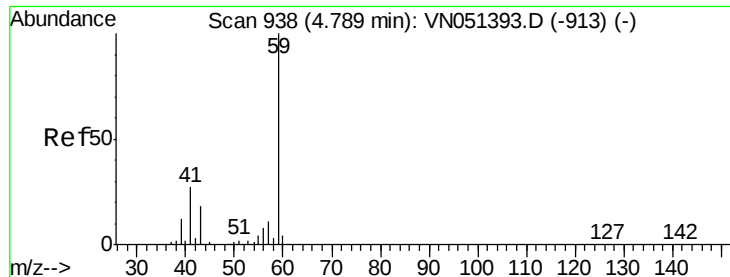
200

100

0

Time-->

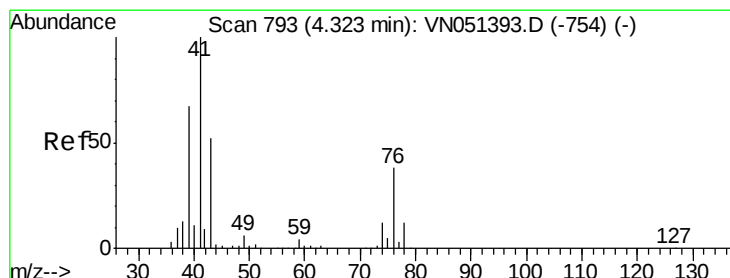
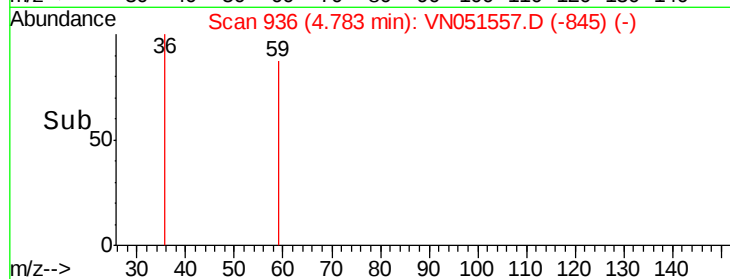
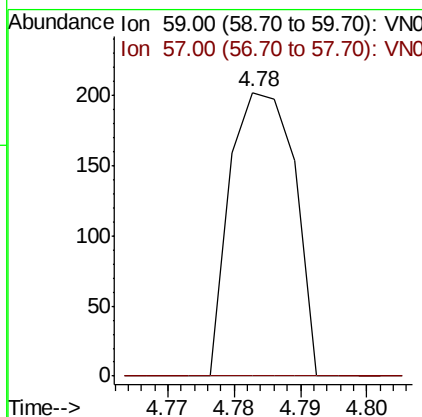
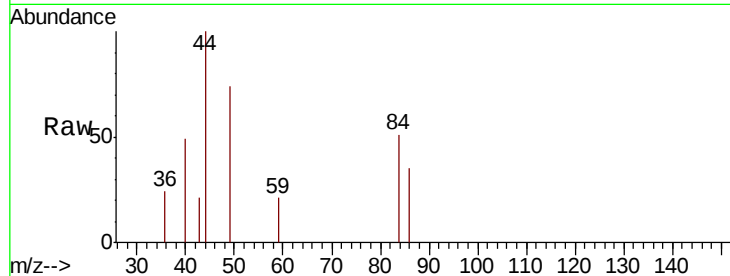




#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

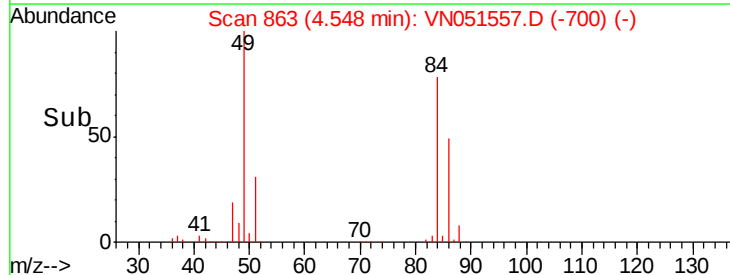
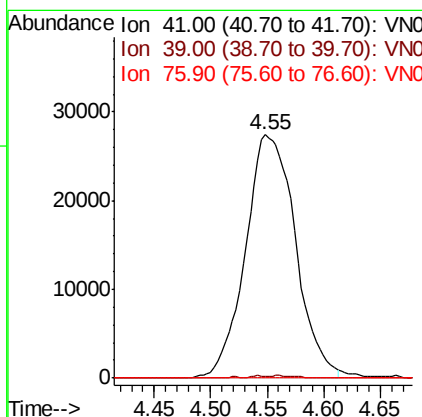
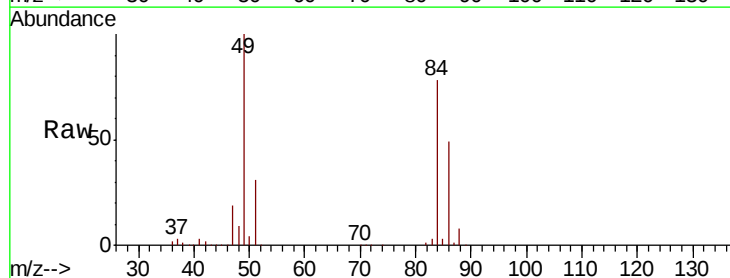
Instrument :
MSVOA_N
ClientSampled :
CS-RT-4005

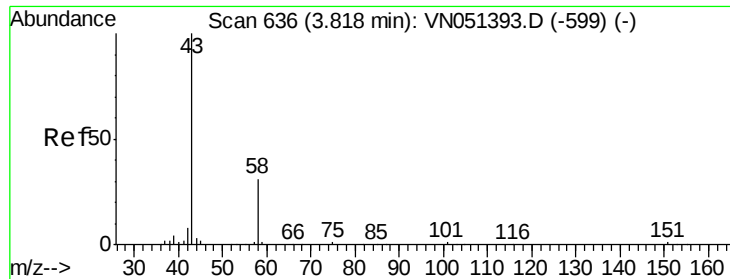
Tot Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#14
Allyl chloride
Concen: 7.093 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.22 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Tgt Ion: 41 Resp: 84042
Ion Ratio Lower Upper
41 100
39 0.3 51.4 77.2#
76 0.0 28.1 42.1#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

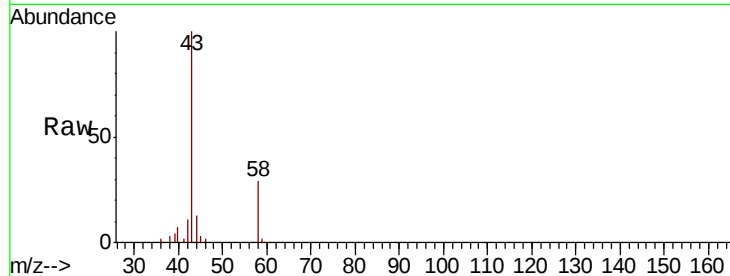
CS-RT-4005

Tot Ion: 43 Resp: 24053

Ion Ratio Lower Upper

43 100

58 29.4 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)

3.82

10000

8000

6000

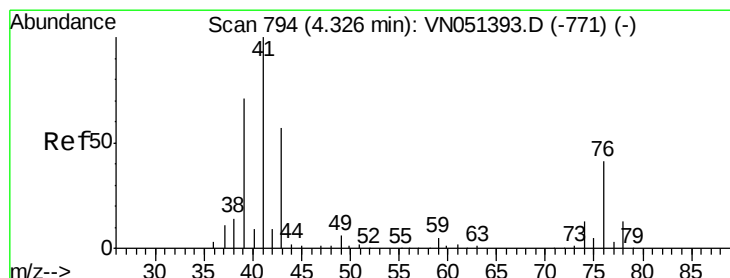
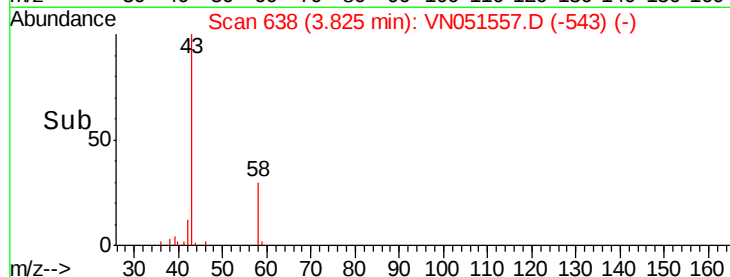
4000

2000

0

Time-->

3.75 3.80 3.85 3.90



#18

Methyl Acetate

Concen: 2.811 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051557.D

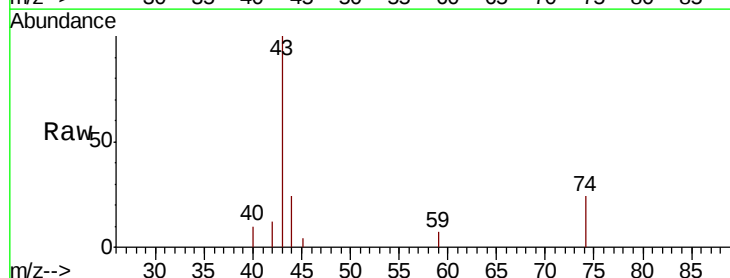
Acq: 27 Sep 2018 00:30

Tgt Ion: 43 Resp: 17021

Ion Ratio Lower Upper

43 100

74 26.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.34

6000

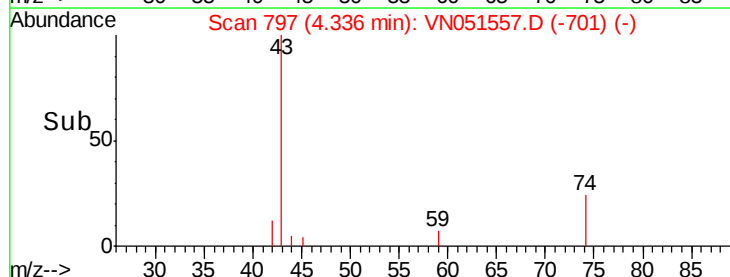
4000

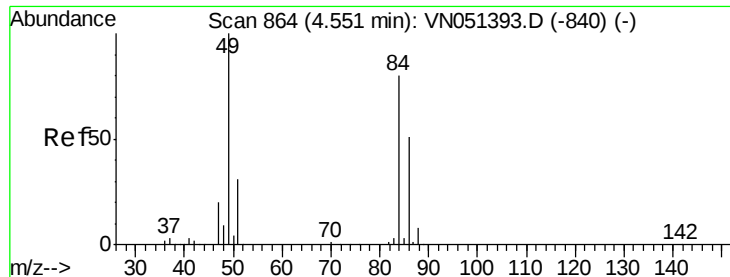
2000

0

Time-->

4.25 4.30 4.35 4.40



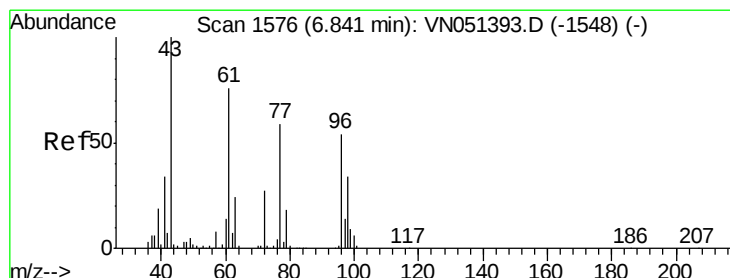
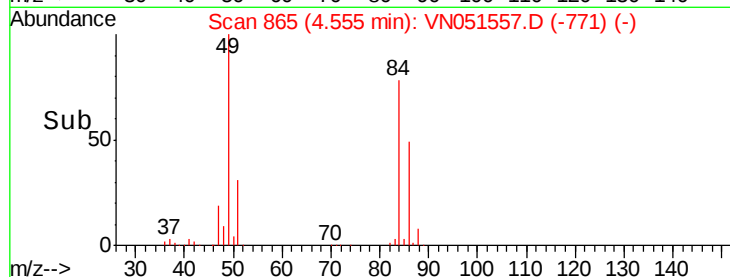
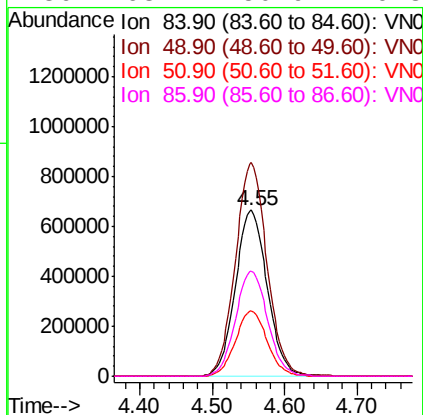
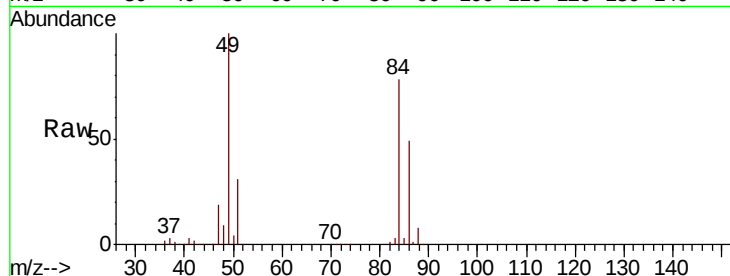


#20
Methvlene Chloride
Concen: 258.771 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Instrument :
MSVOA_N
ClientSampled :
CS-RT-4005

Tot Ion: 84 Resp: 2035866

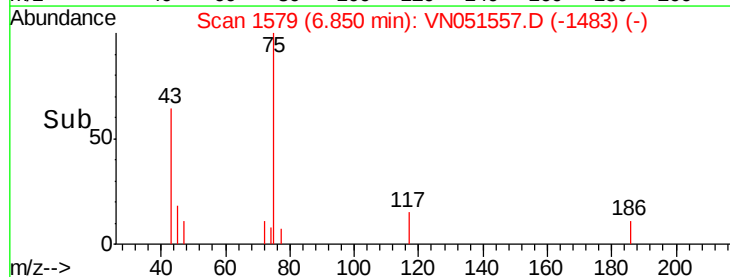
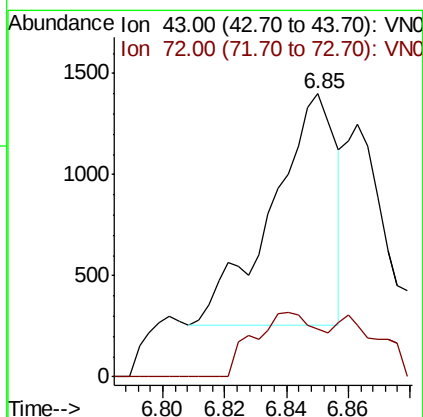
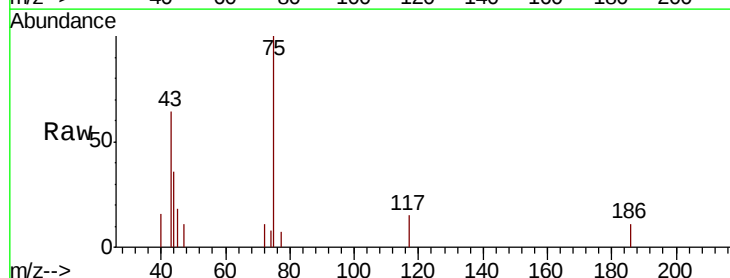
Ion	Ratio	Lower	Upper
84	100		
49	128.8	99.9	149.9
51	39.4	31.4	47.2
86	63.7	50.9	76.3

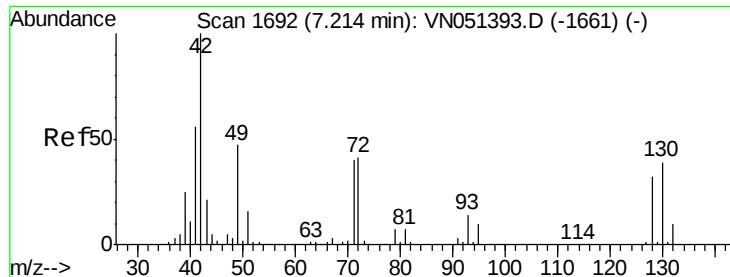


#25
2-Butanone
Concen: 0.605 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Tgt Ion: 43 Resp: 1647

Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.8	32.6#





#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

CS-RT-4005

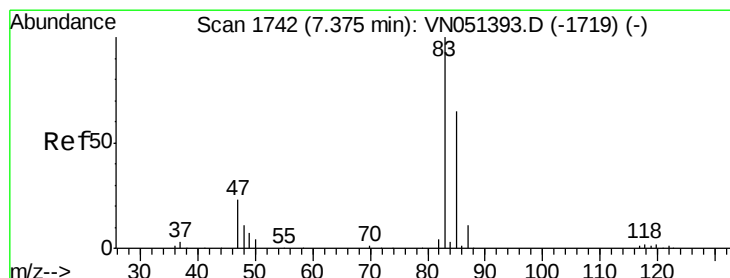
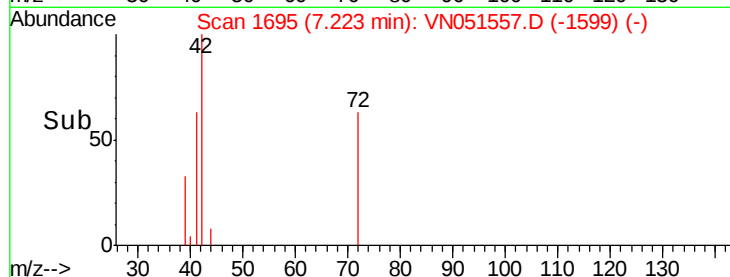
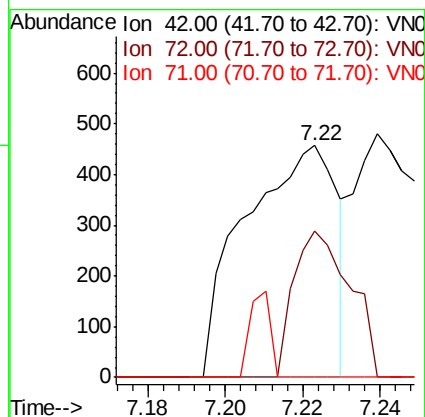
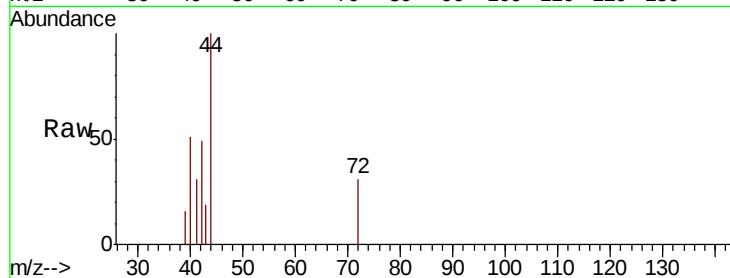
Tot Ion: 42 Resp: 755

Ion Ratio Lower Upper

42 100

72 38.7 34.3 51.5

71 8.2 32.2 48.4#



#30

Chloroform

Concen: 0.740 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051557.D

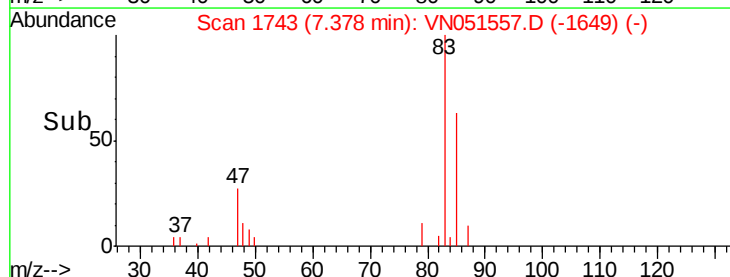
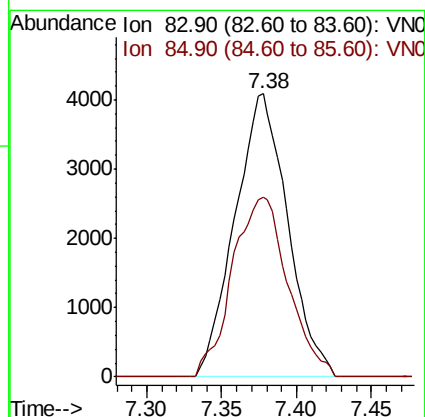
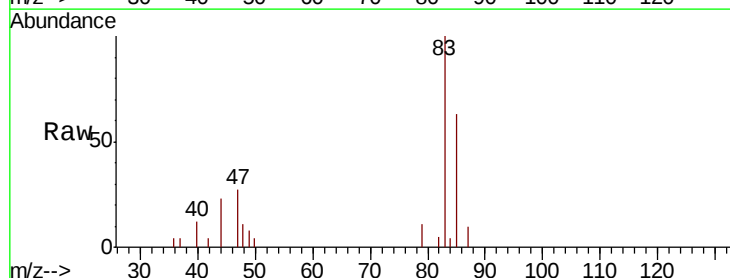
Acq: 27 Sep 2018 00:30

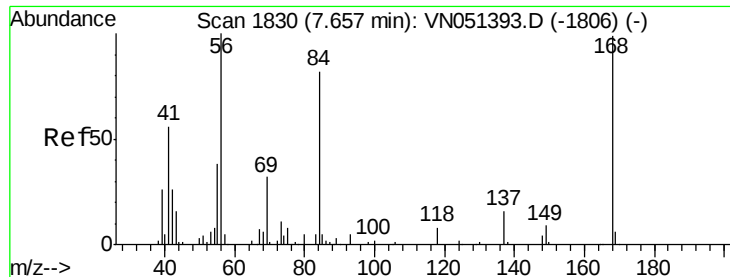
Tgt Ion: 83 Resp: 10017

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6





#31

Cyclohexane

Concen: 1.002 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

CS-RT-4005

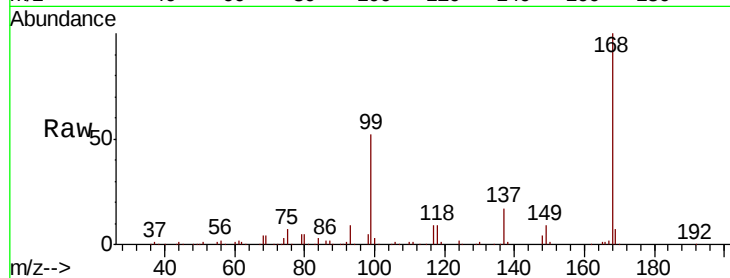
Tot Ion: 56 Resp: 12543

Ion Ratio Lower Upper

56 100

69 201.8 25.8 38.6#

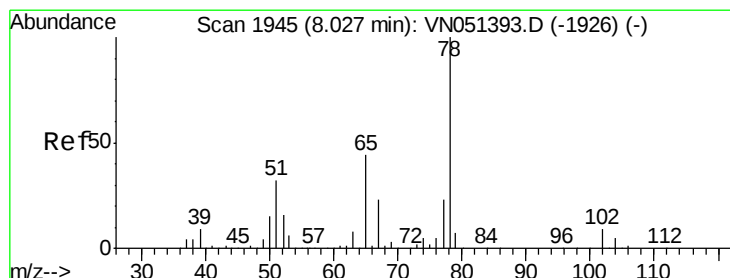
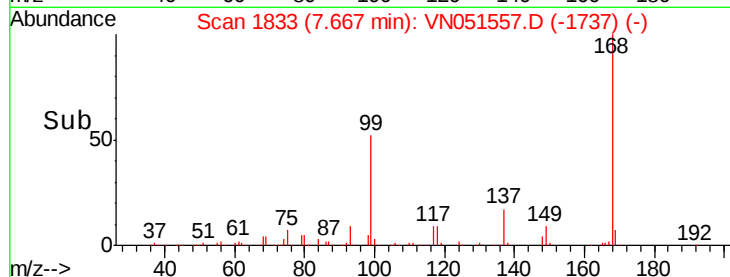
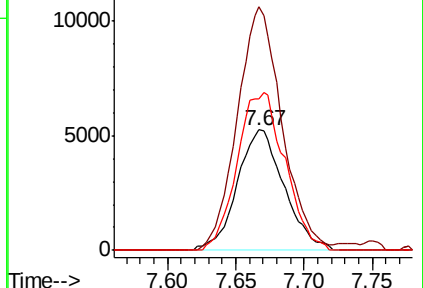
84 125.7 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 58.046 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051557.D

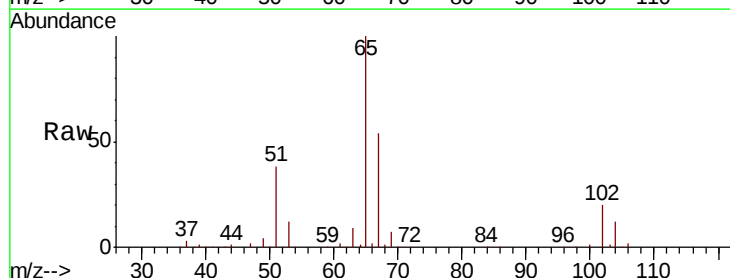
Acq: 27 Sep 2018 00:30

Tgt Ion: 65 Resp: 461496

Ion Ratio Lower Upper

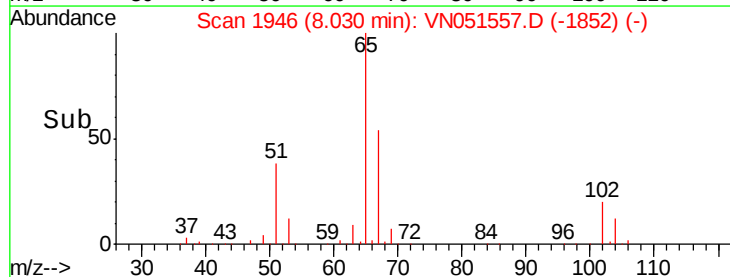
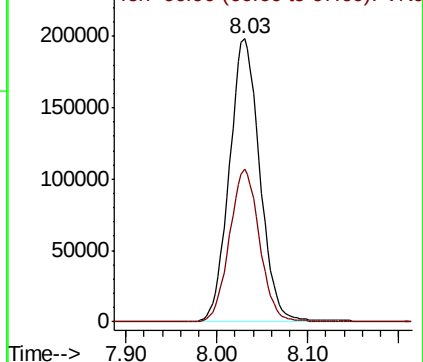
65 100

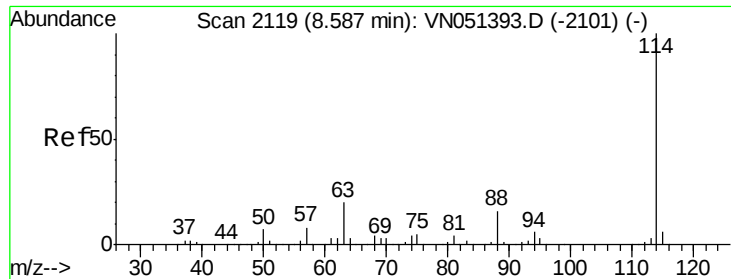
67 53.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

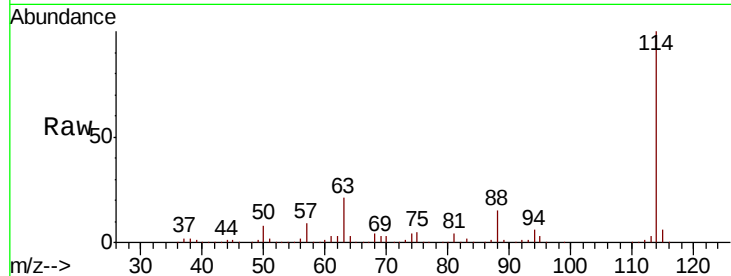




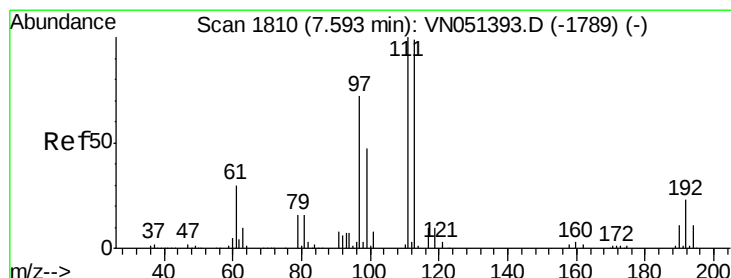
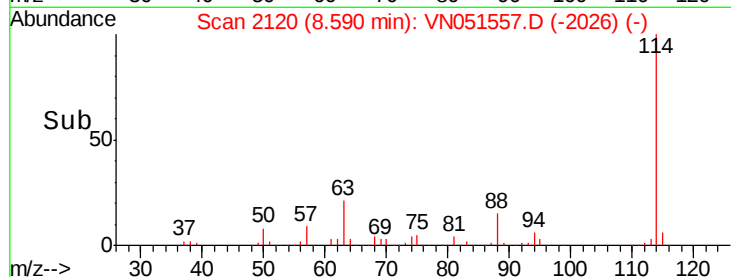
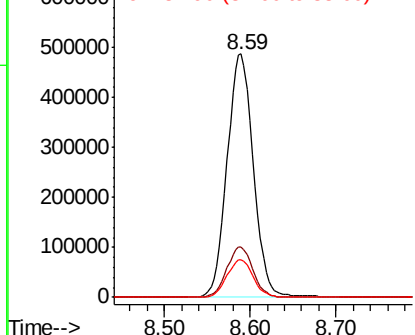
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Instrument :
MSVOA_N
ClientSampleId :
CS-RT-4005

Tot Ion:114 Resp: 1036145
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.2
88 15.5 0.0 31.4

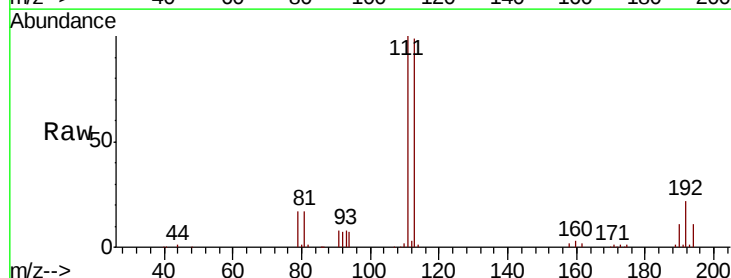


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

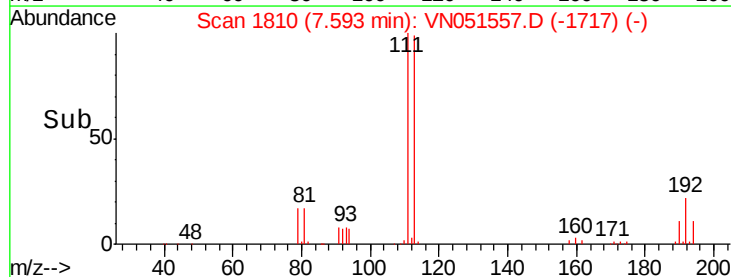
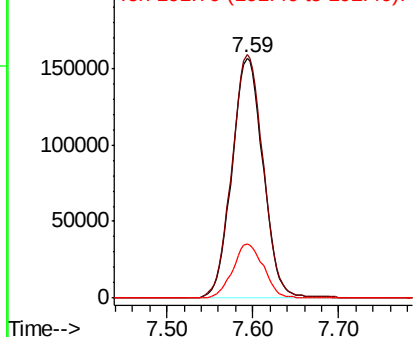


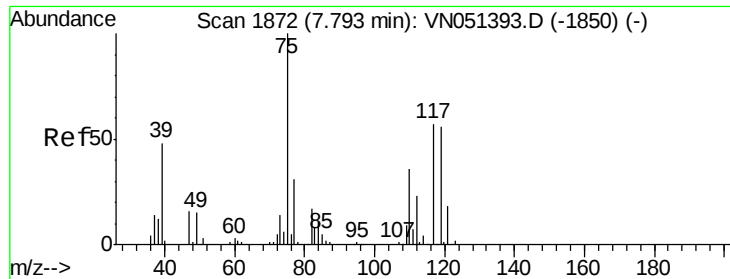
#35
Dibromofluoromethane
Concen: 47.533 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Tgt Ion:113 Resp: 393835
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 22.4 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

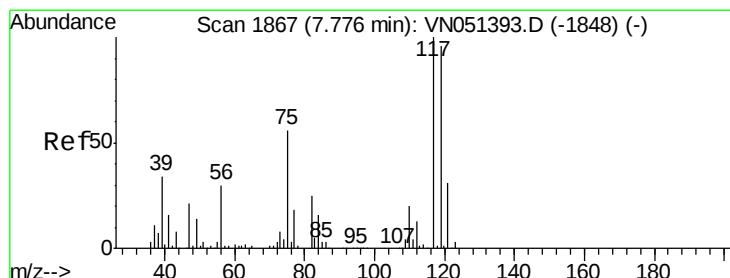
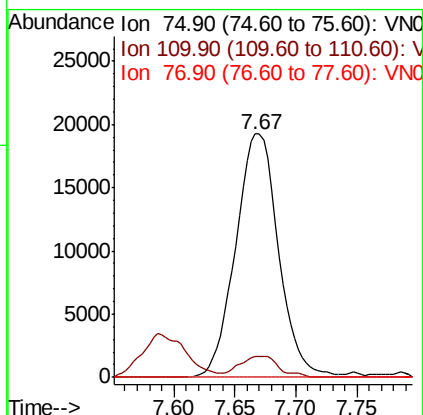
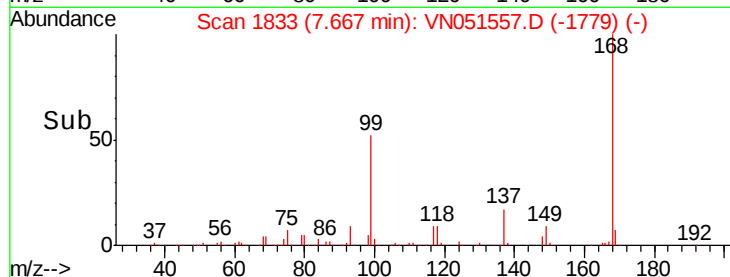
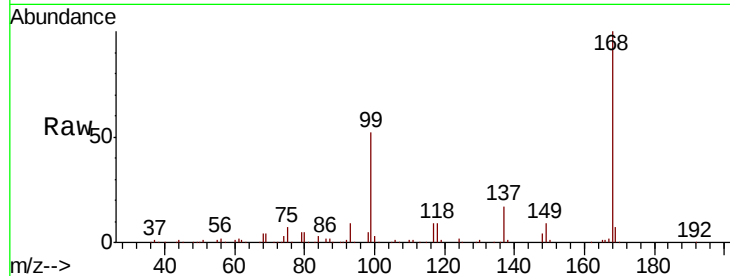




#36
 1,1-Dichloropropene
 Concen: 3.900 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051557.D
 Acq: 27 Sep 2018 00:30

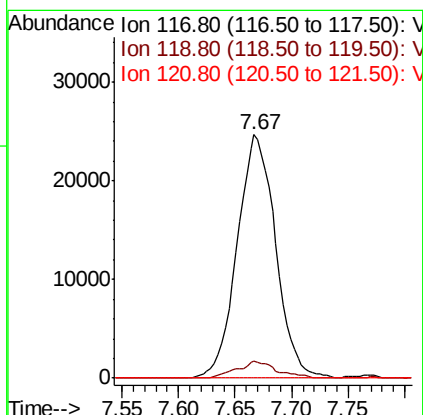
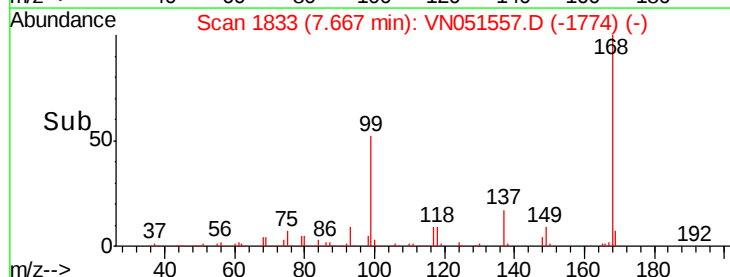
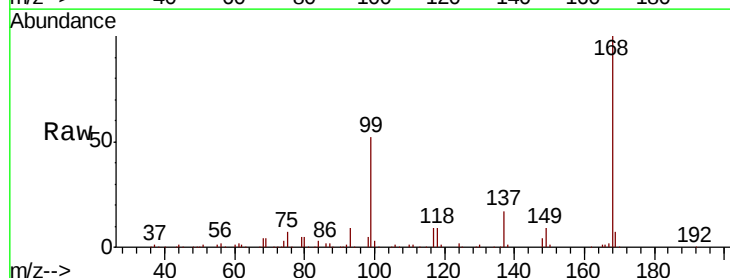
Instrument :
 MSVOA_N
 ClientSampled :
 CS-RT-4005

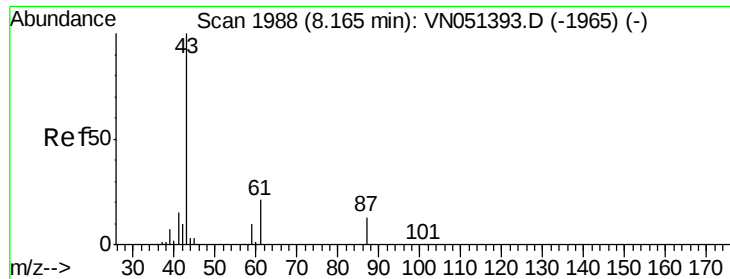
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.1	54.3#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.646 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051557.D
 Acq: 27 Sep 2018 00:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	76.9	115.3#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 32.927 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

CS-RT-4005

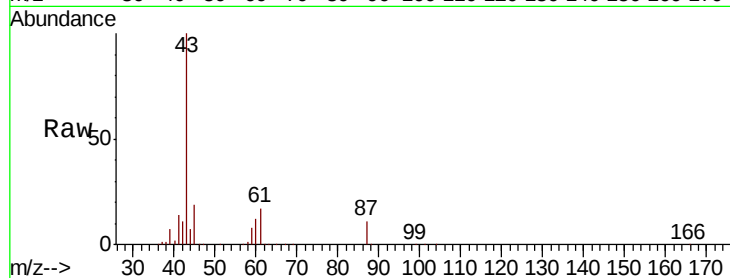
Tot Ion: 43 Resp: 410762

Ion Ratio Lower Upper

43 100

61 13.2 16.8 25.2#

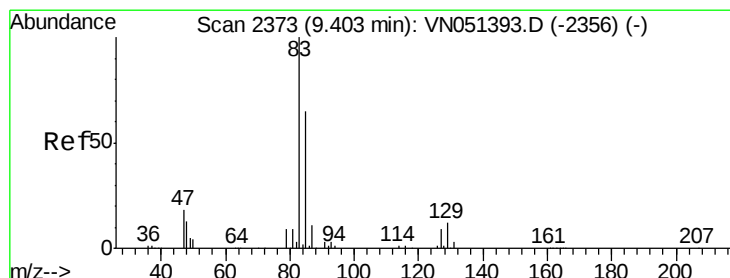
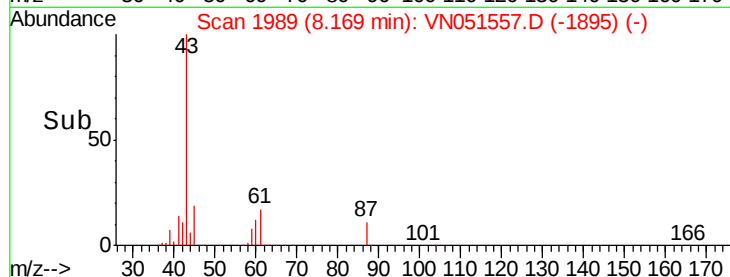
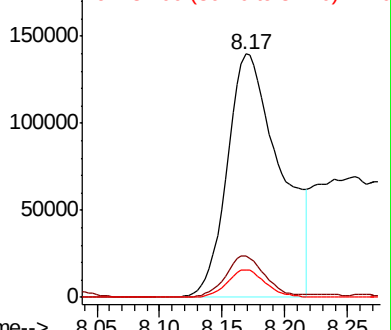
87 8.2 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#47

Bromodichloromethane

Concen: 0.267 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

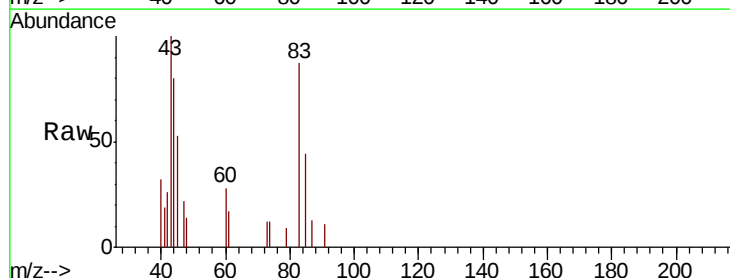
Tgt Ion: 83 Resp: 3199

Ion Ratio Lower Upper

83 100

85 50.4 51.8 77.6#

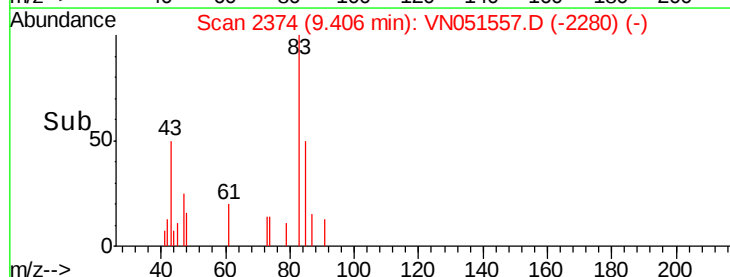
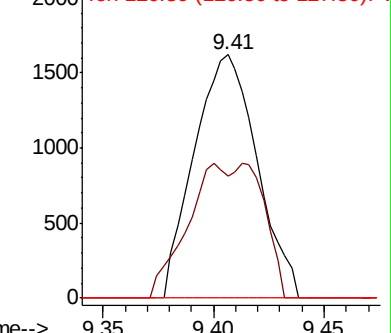
127 0.0 7.4 11.2#

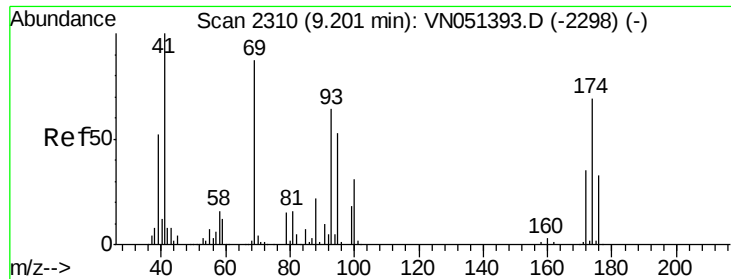


Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051393.D (-2356) (-)

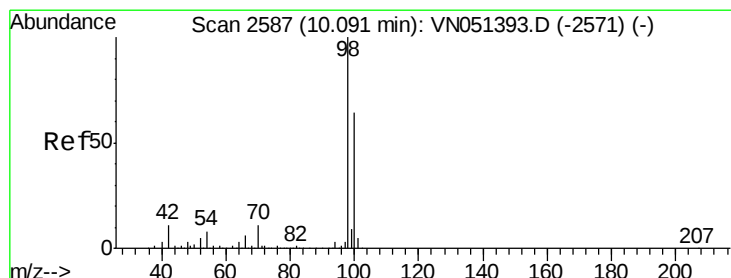
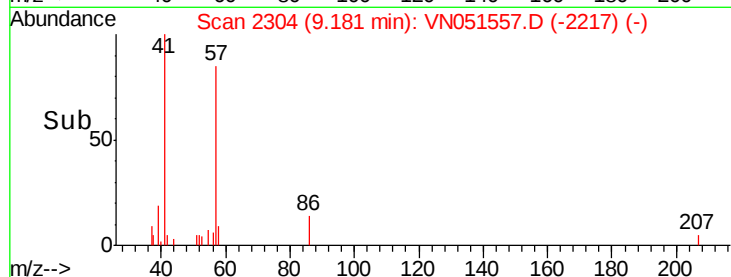
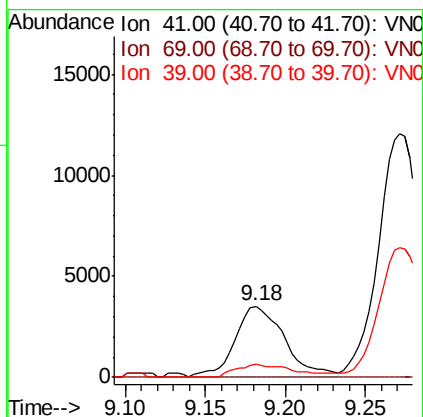
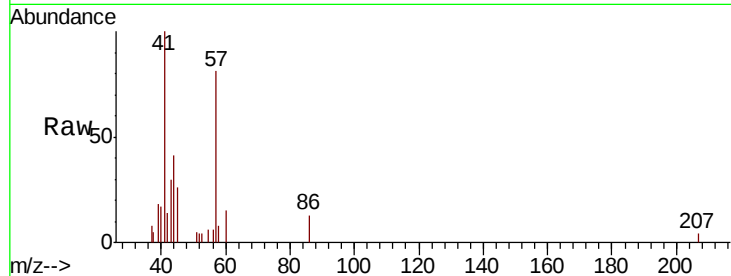




#48
Methvl methacrylate
Concen: 1.211 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

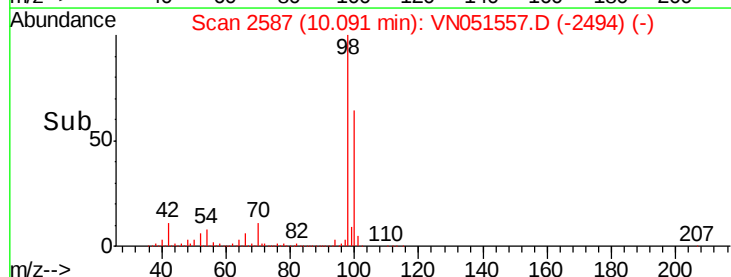
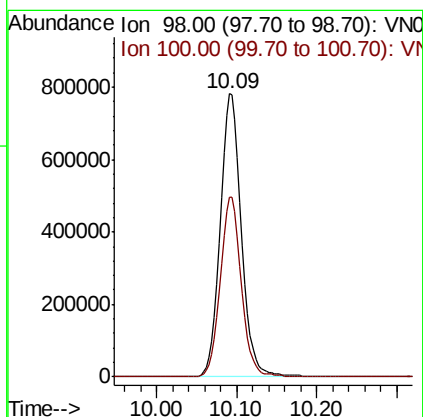
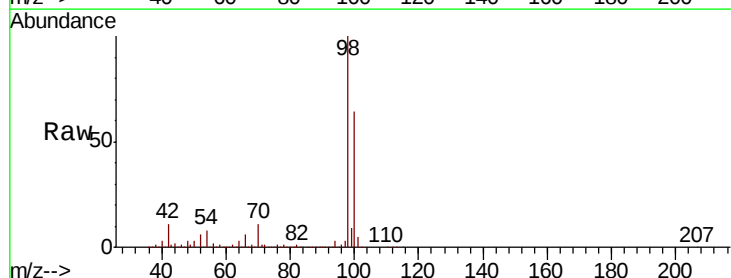
Instrument :
MSVOA_N
ClientSampleId :
CS-RT-4005

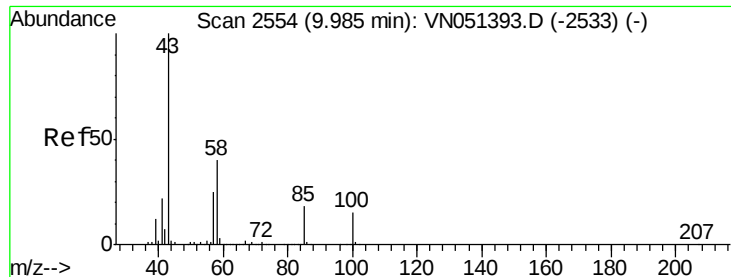
Tot Ion: 41 Resp: 7530
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 19.9 43.8 65.8#



#50
Toluene-d8
Concen: 45.816 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051557.D
Acq: 27 Sep 2018 00:30

Tgt Ion: 98 Resp: 1429470
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8

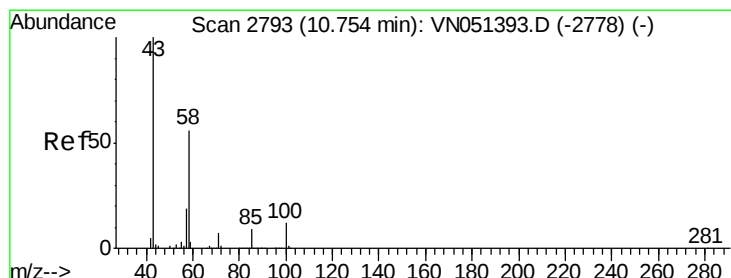
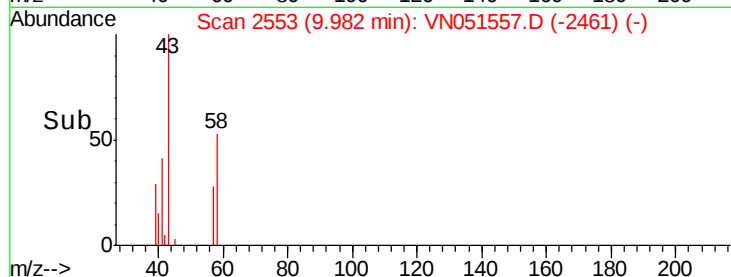
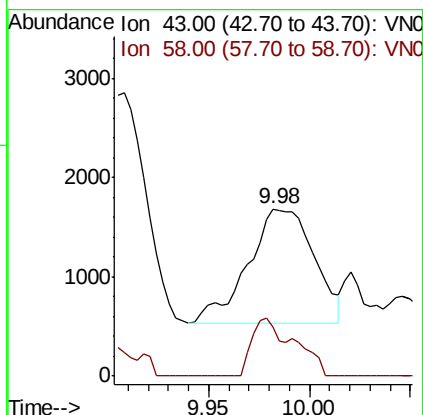
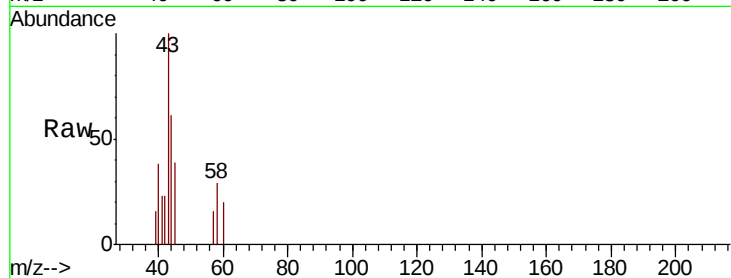




#51
 4-Methyl-2-Pentanone
 Concen: 0.384 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051557.D
 Acq: 27 Sep 2018 00:30

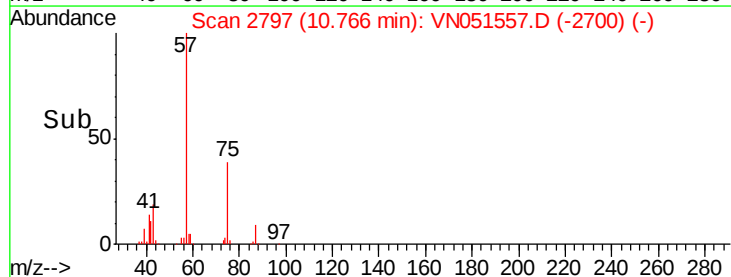
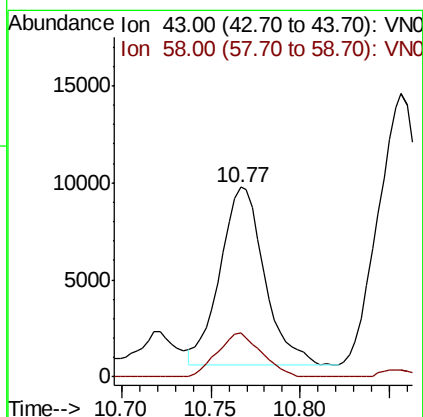
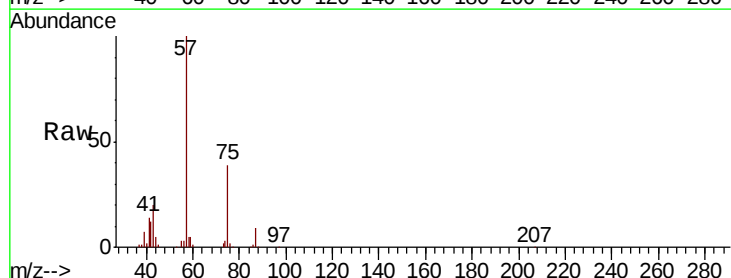
Instrument :
 MSVOA_N
 ClientSampleID :
 CS-RT-4005

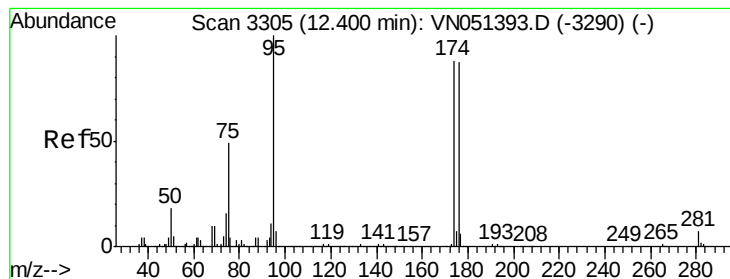
Tot Ion: 43 Resp: 2632
 Ion Ratio Lower Upper
 43 100
 58 32.4 31.5 47.3



#59
 2-Hexanone
 Concen: 3.571 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051557.D
 Acq: 27 Sep 2018 00:30

Tgt Ion: 43 Resp: 15881
 Ion Ratio Lower Upper
 43 100
 58 24.5 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 39.288 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampled :

CS-RT-4005

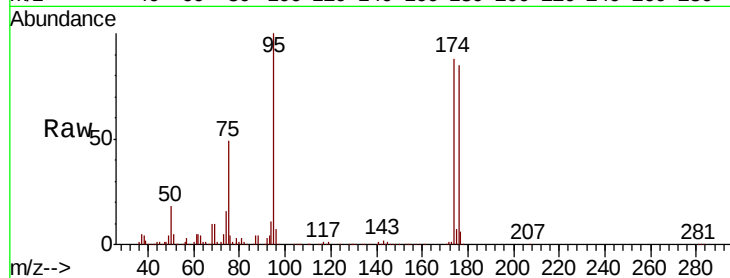
Tot Ion: 95 Resp: 396551

Ion Ratio Lower Upper

95 100

174 89.7 0.0 181.6

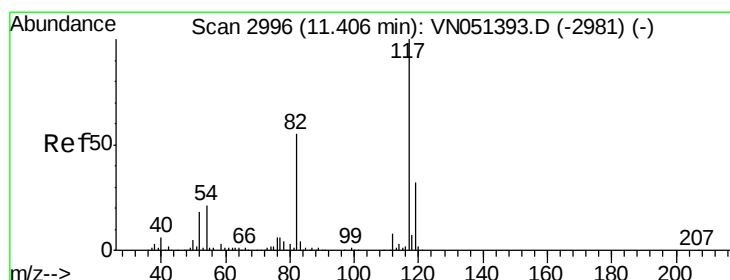
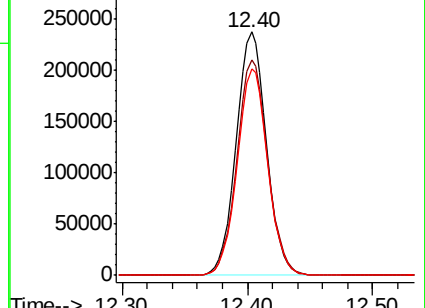
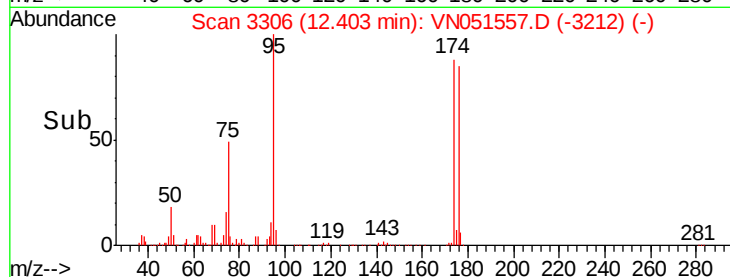
176 85.5 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

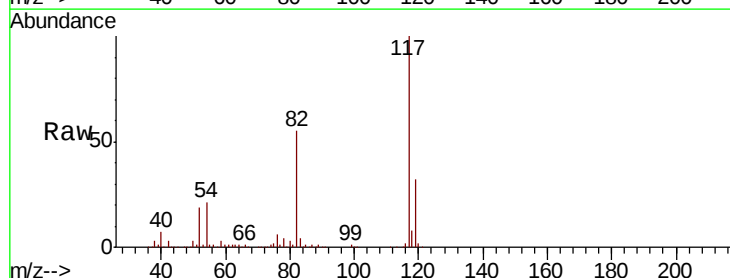
Tgt Ion: 117 Resp: 877811

Ion Ratio Lower Upper

117 100

82 55.0 44.2 66.2

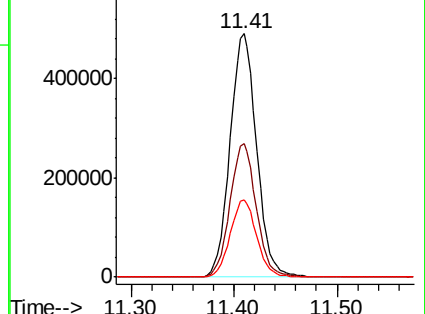
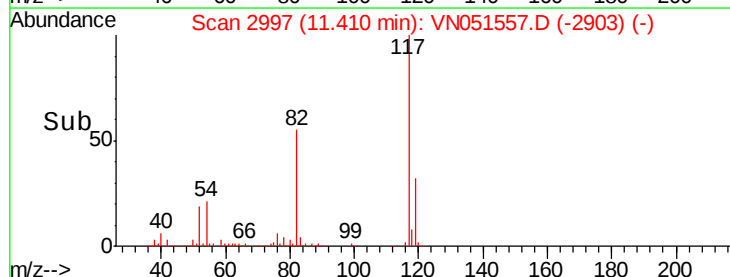
119 31.6 25.9 38.9

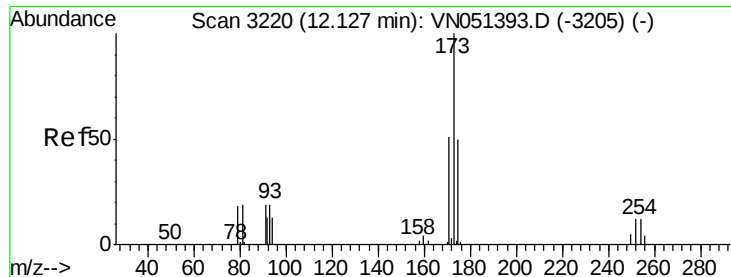


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)





#71

Bromoform

Concen: 0.629 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

CS-RT-4005

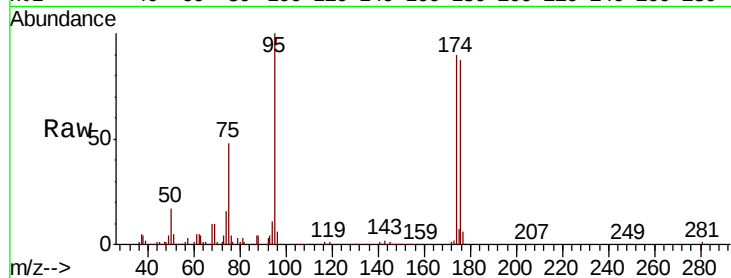
Tot Ion:173 Resp: 3665

Ion Ratio Lower Upper

173 100

175 598.7 24.8 74.3#

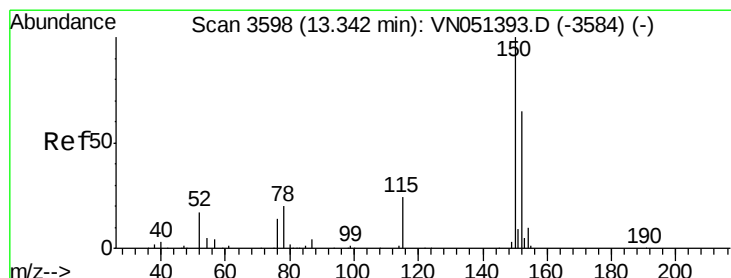
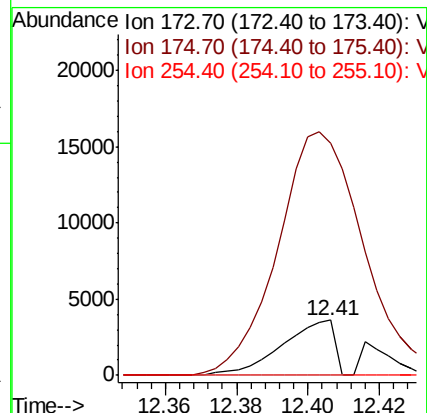
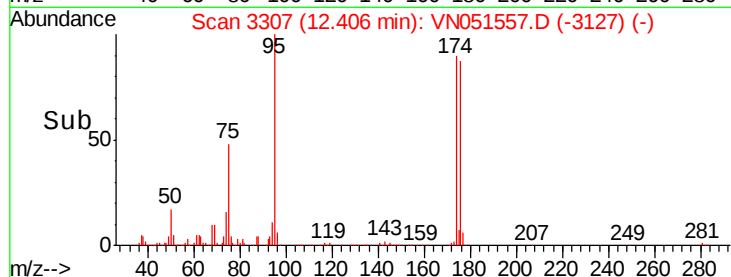
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

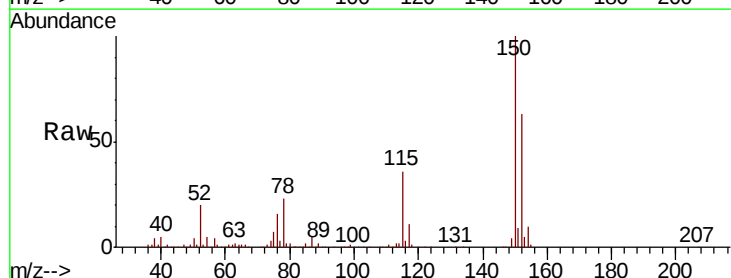
Tgt Ion:152 Resp: 327908

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

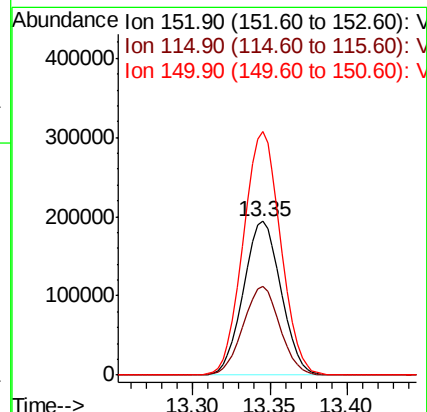
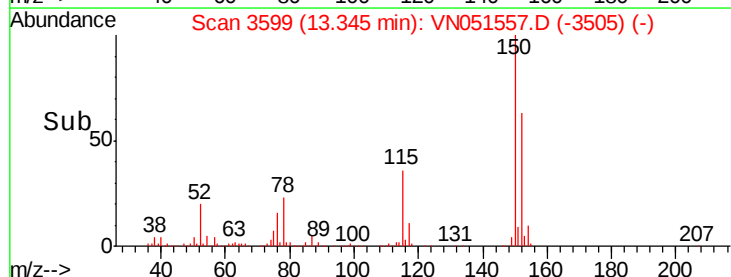
150 157.6 0.0 353.6

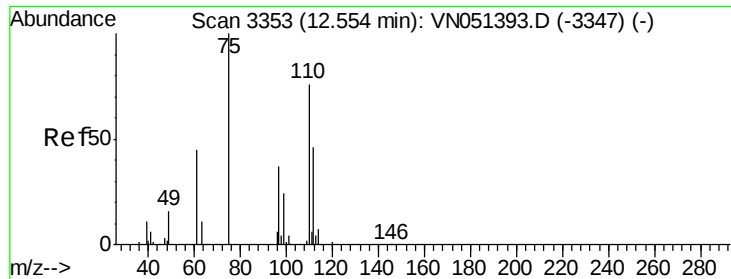


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.505 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

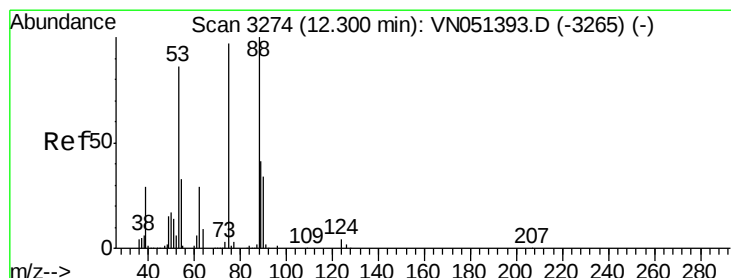
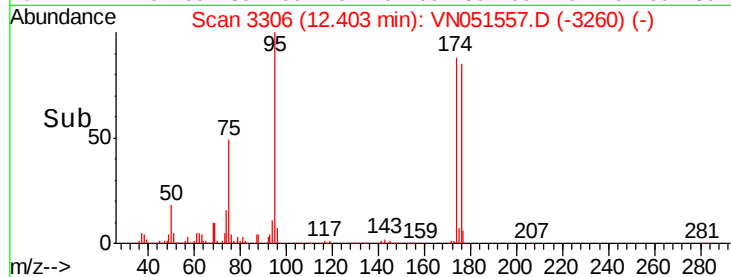
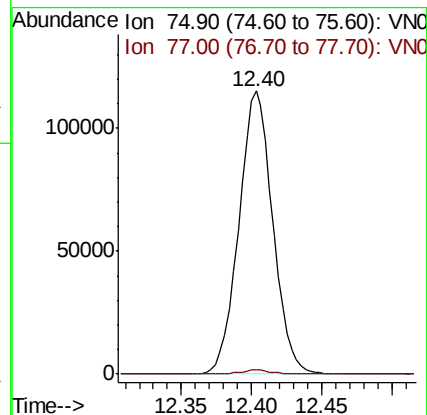
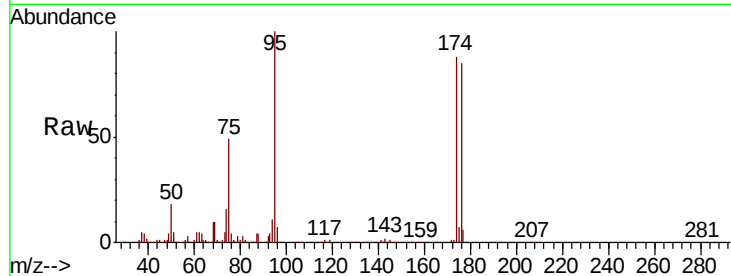
CS-RT-4005

Tot Ion: 75 Resp: 193270

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.175 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

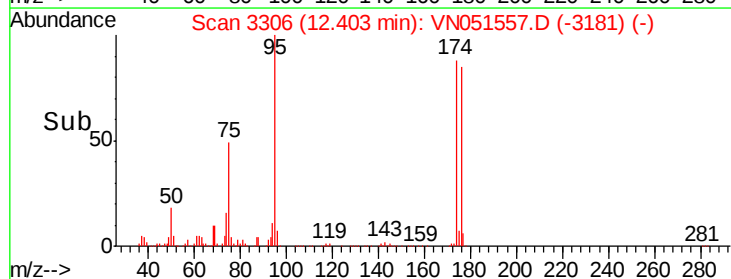
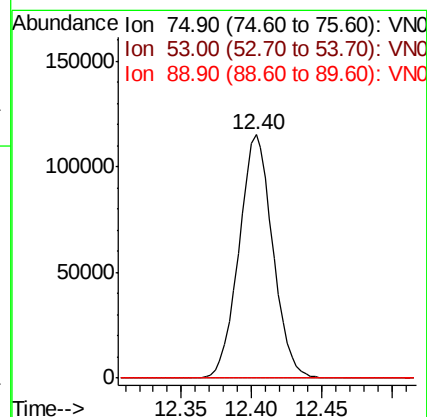
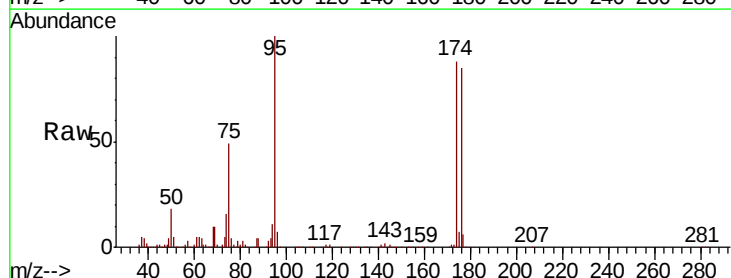
Tgt Ion: 75 Resp: 193270

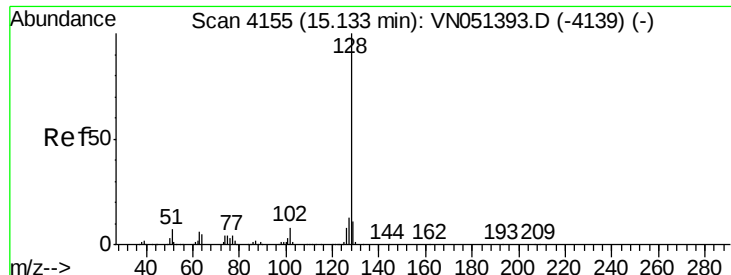
Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 8.557 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051557.D

Acq: 27 Sep 2018 00:30

Instrument :

MSVOA_N

ClientSampleId :

CS-RT-4005

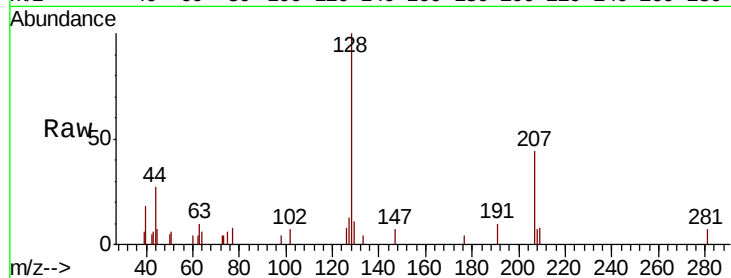
Tot Ion:128 Resp: 7456

Ion Ratio Lower Upper

128 100

127 11.1 10.5 15.7

129 11.6 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

