

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053193.D
 Acq On : 24 Dec 2018 18:47
 Operator : MD\SY
 Sample : J6511-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-63(0-5)-GRAB

Quant Time: Dec 24 22:32:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1310544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2044346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1798750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	684505	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	664900	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	555537	59.49	ug/l	0.00
Spiked Amount			Recovery	=	118.98%	
50) Toluene-d8	10.09	98	2479422	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	786851	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

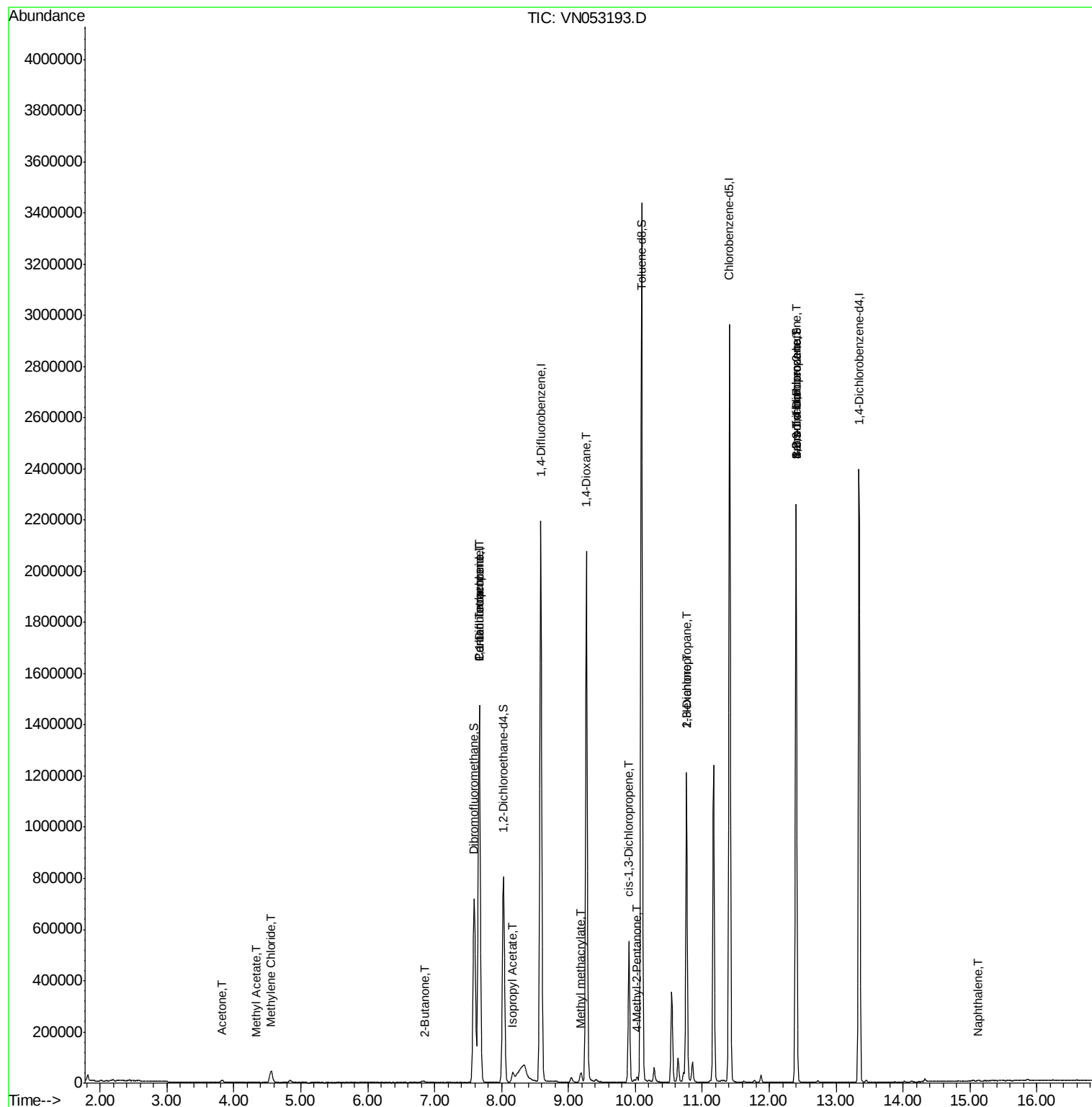
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	17957	6.886	ug/l	93
18) Methyl Acetate	4.33	43	6431	1.525	ug/l #	72
20) Methylene Chloride	4.56	84	34406	2.419	ug/l	95
25) 2-Butanone	6.86	43	3660	0.836	ug/l	97
31) Cyclohexane	7.66	56	21234	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	87246	4.446	ug/l #	49
38) Carbon Tetrachloride	7.67	117	112118	6.234	ug/l #	16
43) Isopropyl Acetate	8.17	43	51984	1.438	ug/l #	83
48) Methyl methacrylate	9.18	41	13859	1.304	ug/l #	12
49) 1,4-Dioxane	9.26	88	69	0.513	ug/l #	22
51) 4-Methyl-2-Pentanone	10.02	43	16684	1.573	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	102310	4.503	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	13199	0.610	ug/l #	42
59) 2-Hexanone	10.76	43	173459	24.168	ug/l #	50
71) Bromoform	12.40	173	4748	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	367625	31.904	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	367625	102.830	ug/l #	12
95) Naphthalene	15.13	128	711	1.172	ug/l #	69

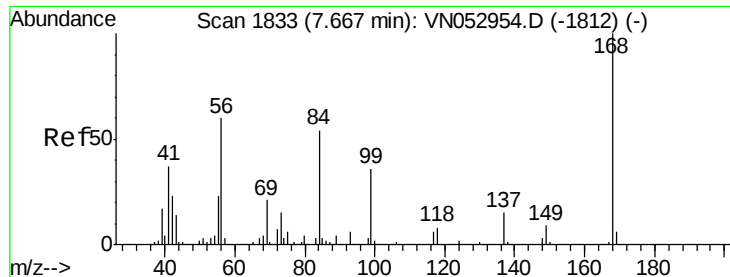
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053193.D
Acq On : 24 Dec 2018 18:47
Operator : MD\SY
Sample : J6511-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SB-63(0-5)-GRAB

Quant Time: Dec 24 22:32:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

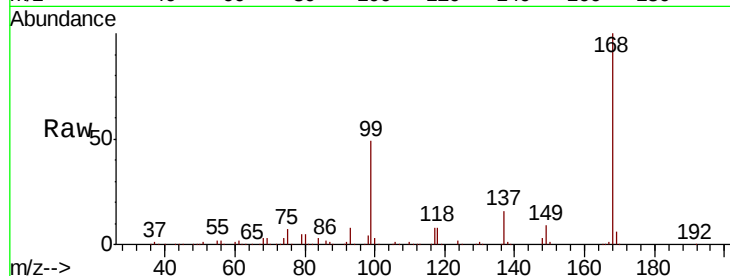
SB-63(0-5)-GRAB

Tot Ion:168 Resp: 1310544

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

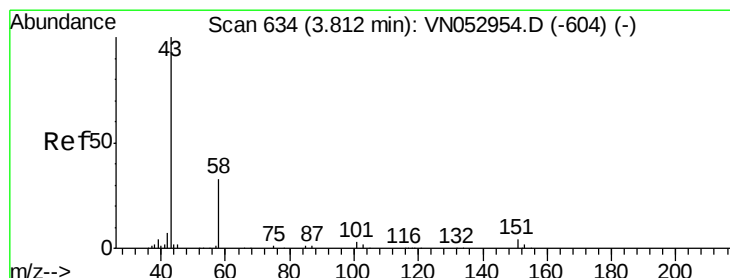
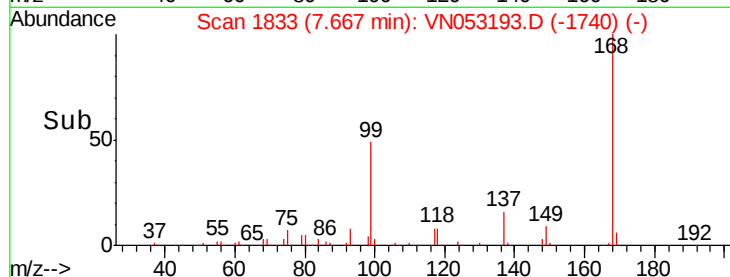
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.886 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053193.D

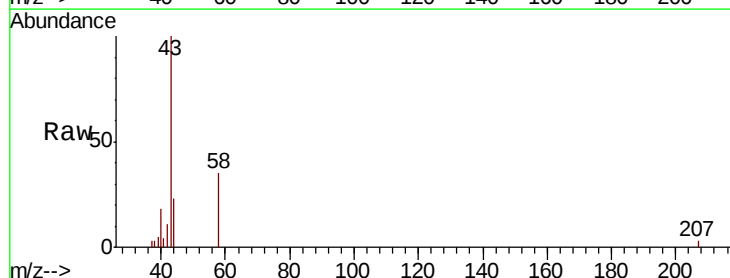
Acq: 24 Dec 2018 18:47

Tgt Ion: 43 Resp: 17957

Ion Ratio Lower Upper

43 100

58 35.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

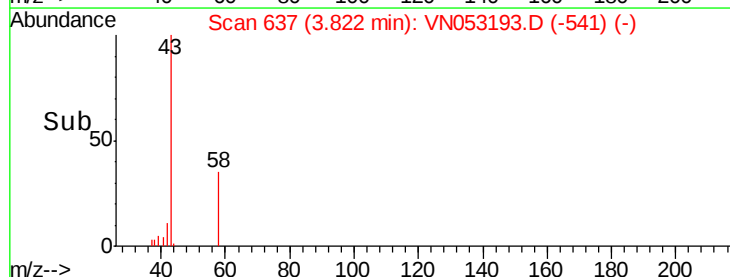
6000

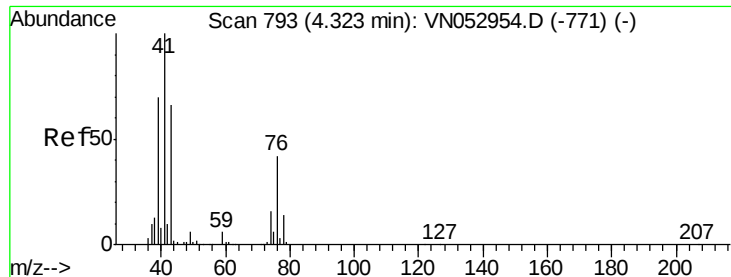
4000

2000

0

Time-->

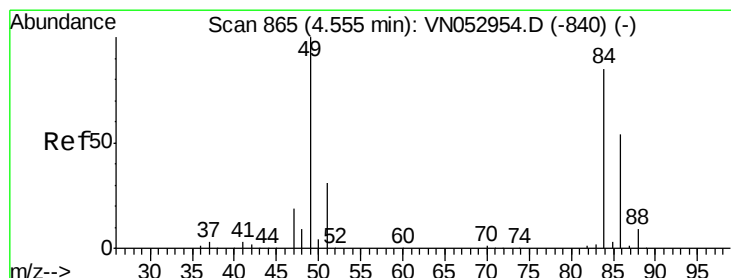
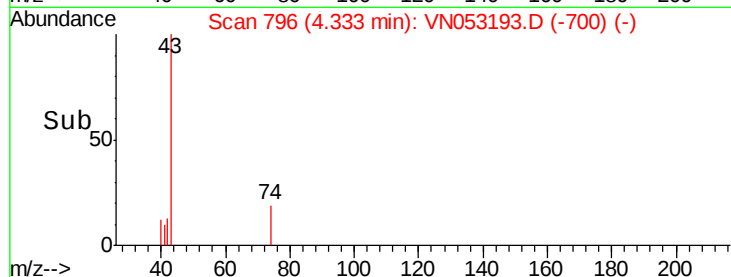
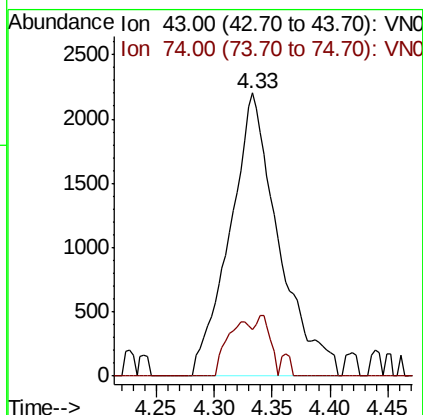
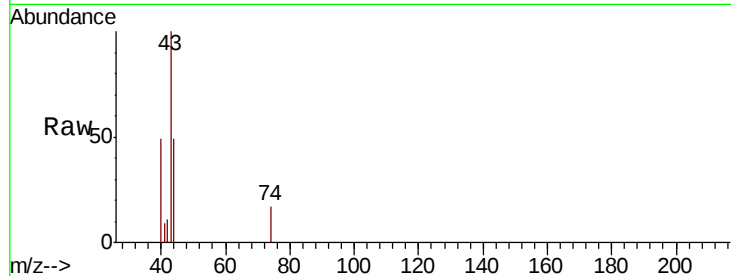




#18
Methyl Acetate
Concen: 1.525 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053193.D
Acq: 24 Dec 2018 18:47

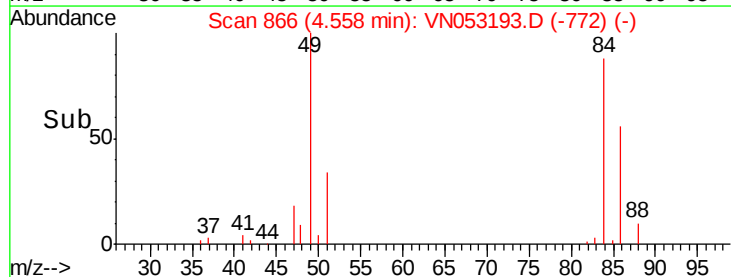
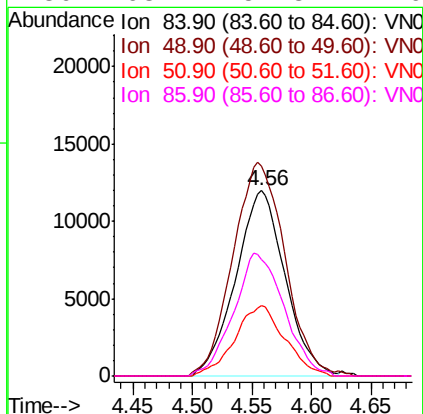
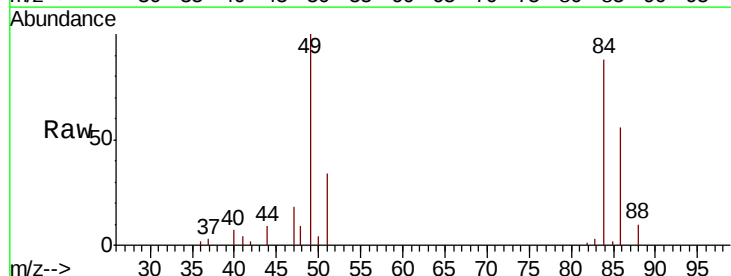
Instrument :
MSVOA_N
ClientSampleId :
SB-63(0-5)-GRAB

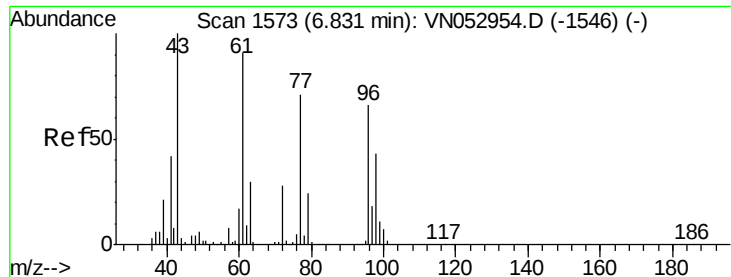
Tot Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
74 10.0 19.2 28.8#



#20
Methylene Chloride
Concen: 2.419 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053193.D
Acq: 24 Dec 2018 18:47

Tgt Ion: 84 Resp: 34406
Ion Ratio Lower Upper
84 100
49 113.2 96.8 145.2
51 38.3 29.9 44.9
86 63.1 51.8 77.6





#25

2-Butanone

Concen: 0.836 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.03 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

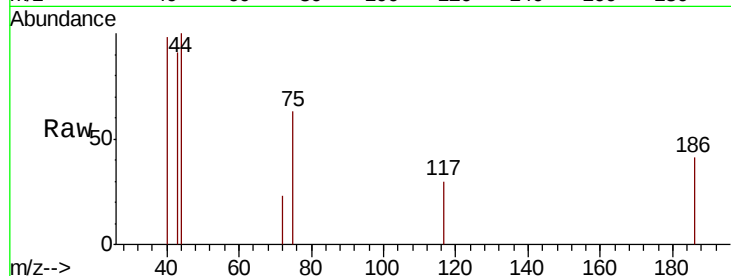
SB-63(0-5)-GRAB

Tot Ion: 43 Resp: 3660

Ion Ratio Lower Upper

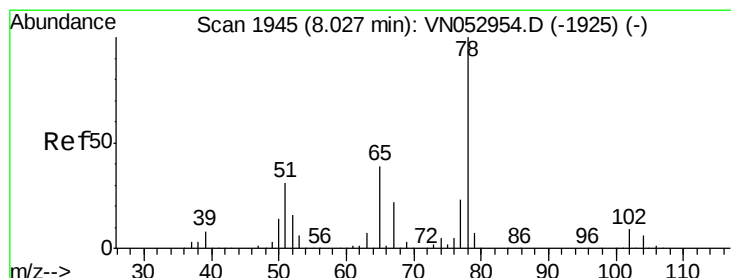
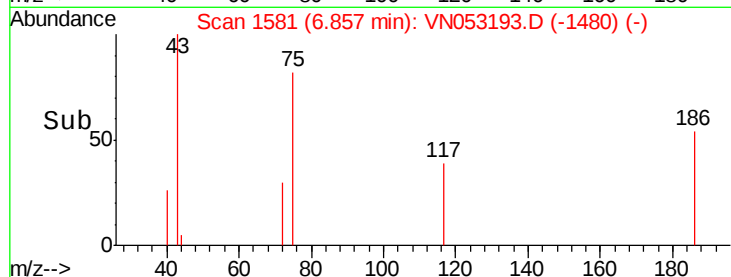
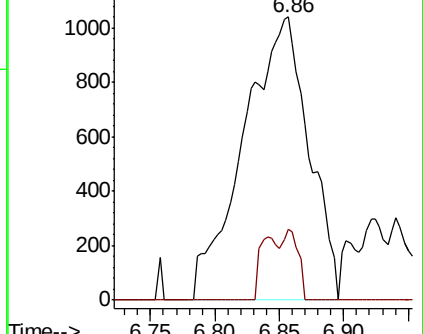
43 100

72 24.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1546) (-)

Ion 72.00 (71.70 to 72.70): VN052954.D (-1546) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053193.D

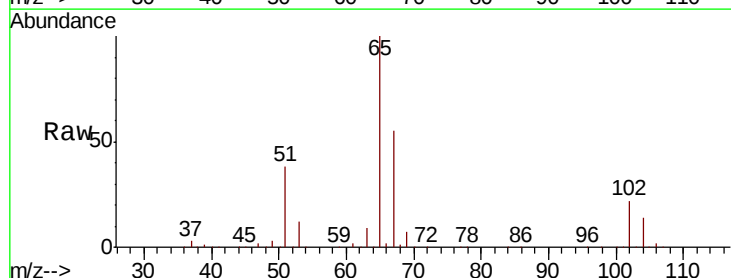
Acq: 24 Dec 2018 18:47

Tgt Ion: 65 Resp: 664900

Ion Ratio Lower Upper

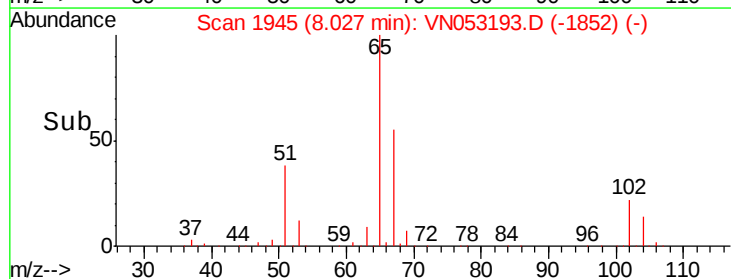
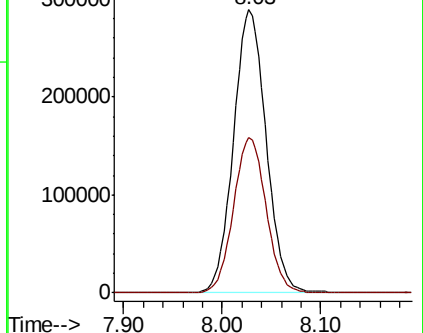
65 100

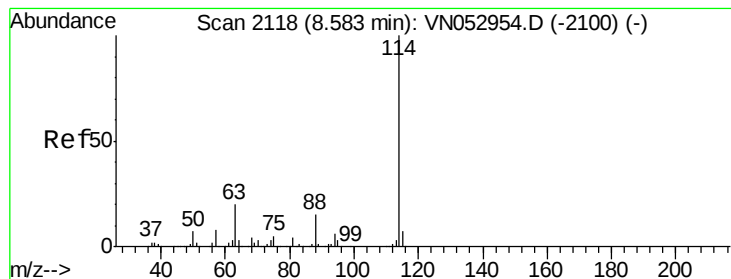
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SB-63(0-5)-GRAB

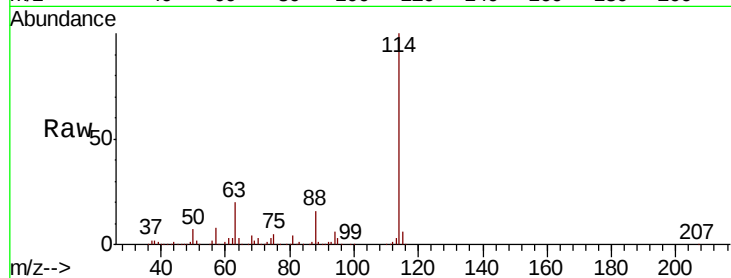
Tot Ion:114 Resp: 2044346

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

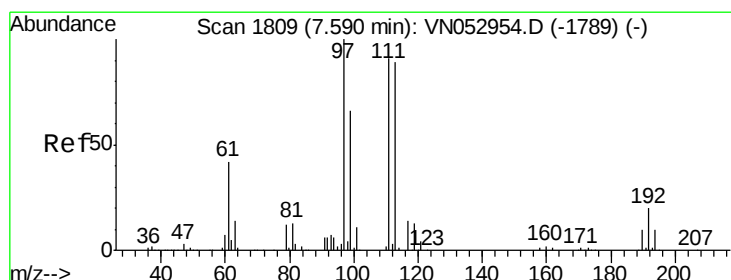
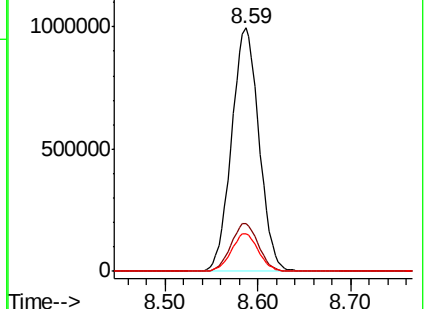
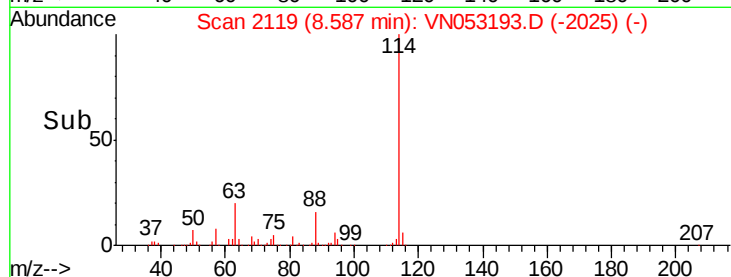
88 15.6 0.0 31.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

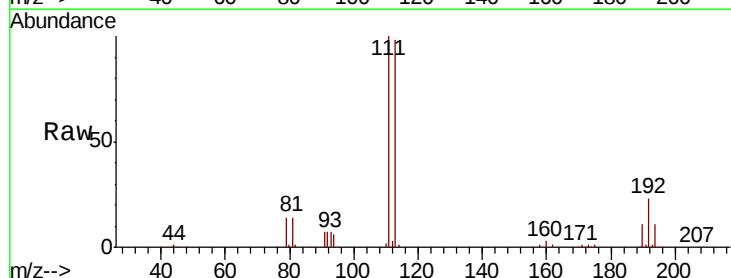
Tgt Ion:113 Resp: 555537

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

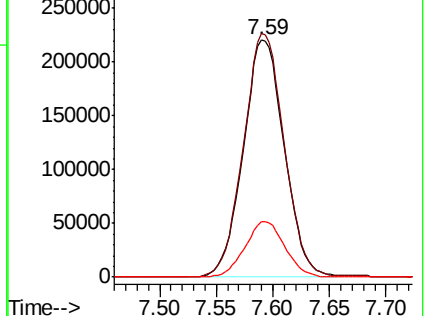
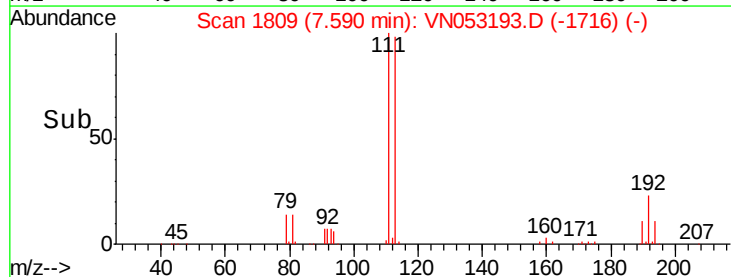
192 22.8 17.5 26.3

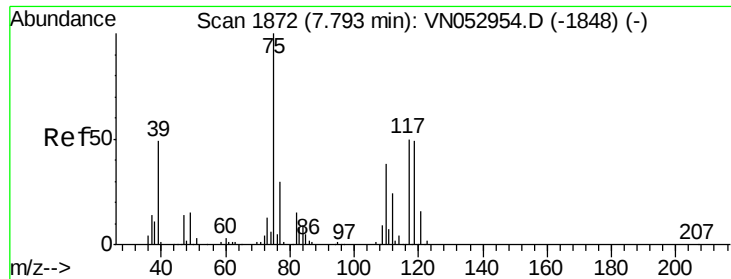


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

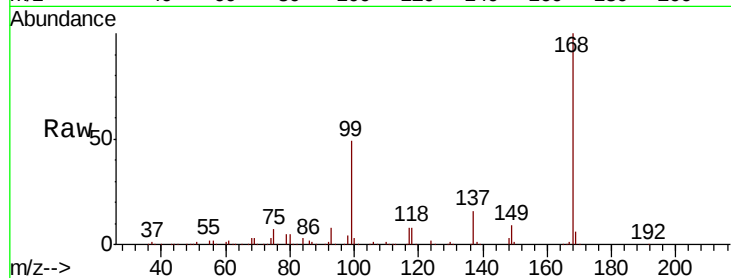




#36
 1,1-Dichloropropene
 Concen: 4.446 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053193.D
 Acq: 24 Dec 2018 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-63(0-5)-GRAB

Tot Ion	75	Resp	87246
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#

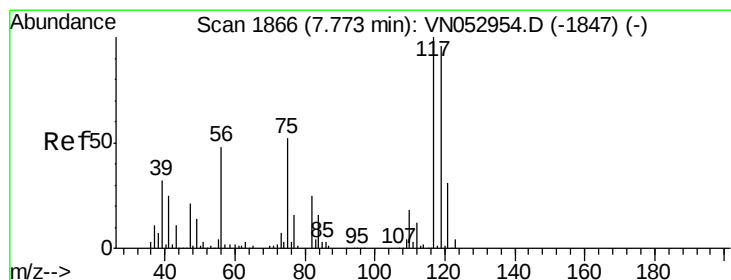
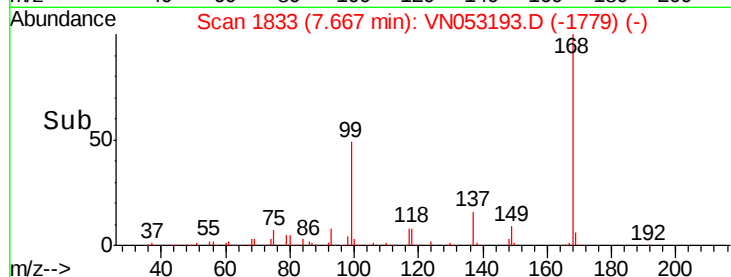
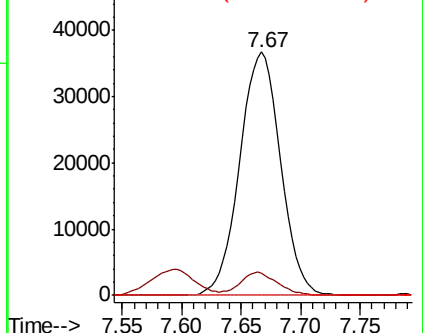


Abundance

Ion 74.90 (74.60 to 75.60): VN052954.D (-1848) (-)

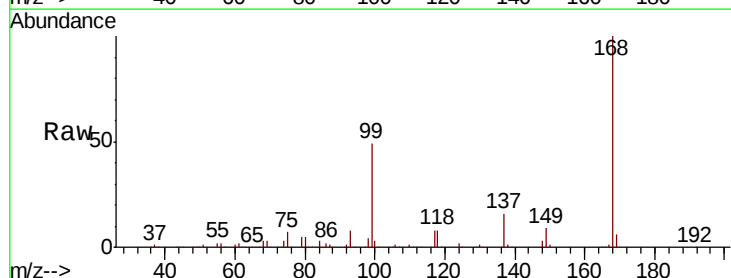
Ion 109.90 (109.60 to 110.60): VN052954.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN052954.D (-1848) (-)



#38
 Carbon Tetrachloride
 Concen: 6.234 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053193.D
 Acq: 24 Dec 2018 18:47

Tgt Ion	117	Resp	112118
Ion Ratio	100	Lower	Upper
117	100		
119	5.2	77.1	115.7#
121	0.0	24.9	37.3#

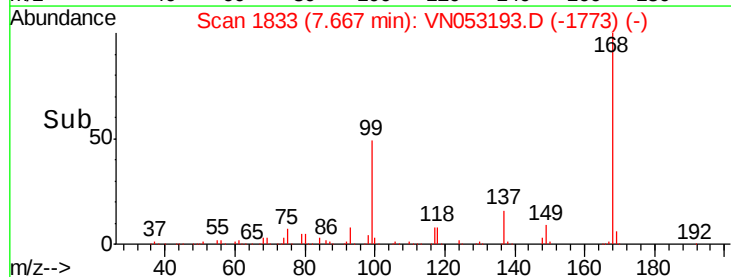
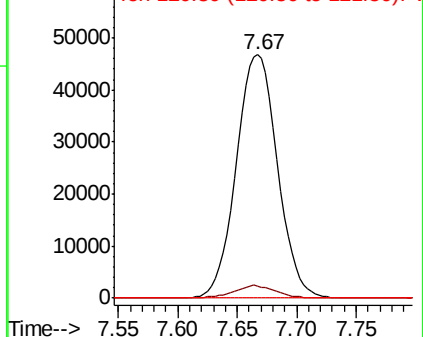


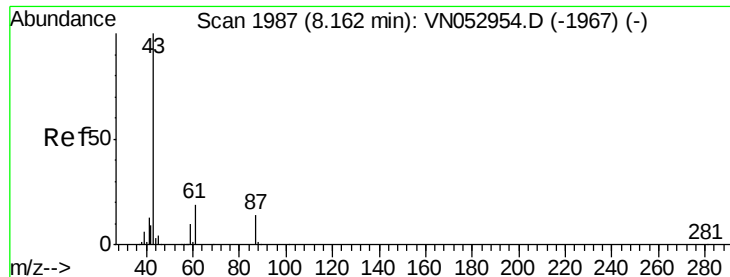
Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052954.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052954.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 1.438 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SB-63(0-5)-GRAB

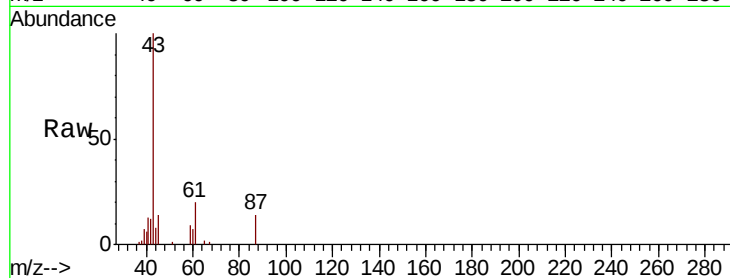
Tot Ion: 43 Resp: 51984

Ion Ratio Lower Upper

43 100

61 17.0 22.9 34.3#

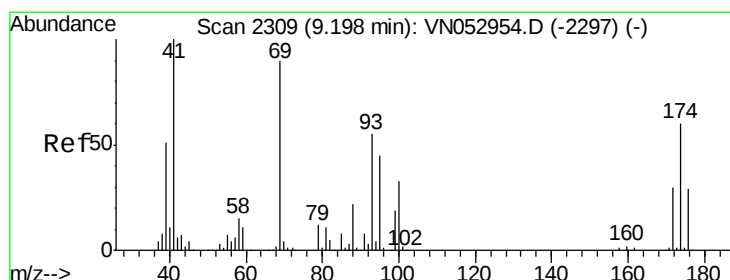
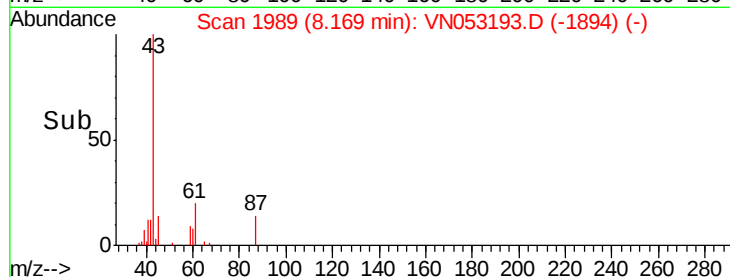
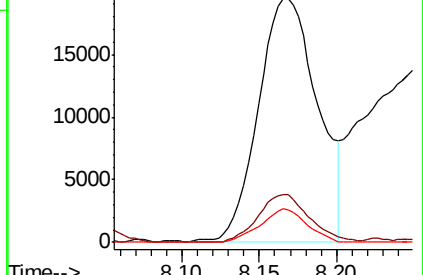
87 10.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#48

Methyl methacrylate

Concen: 1.304 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

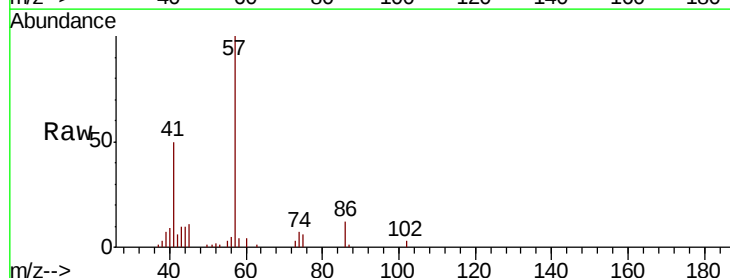
Tgt Ion: 41 Resp: 13859

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

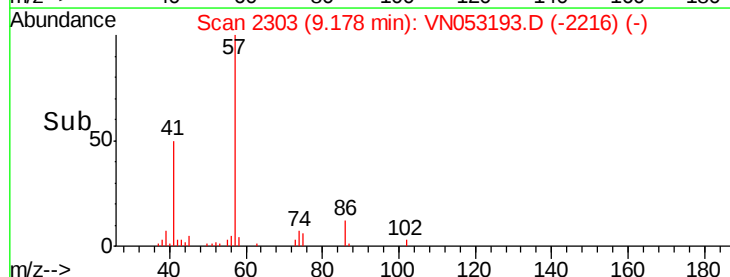
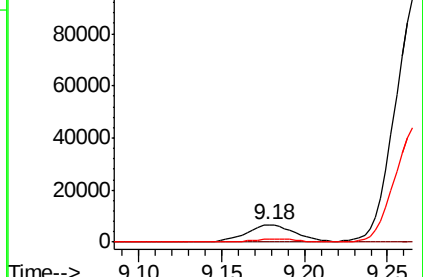
39 0.0 41.9 62.9#

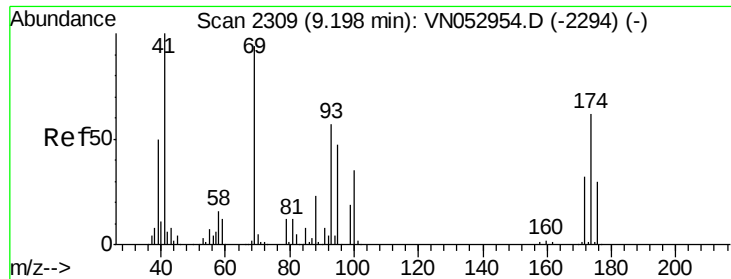


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052954.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052954.D (-2297) (-)

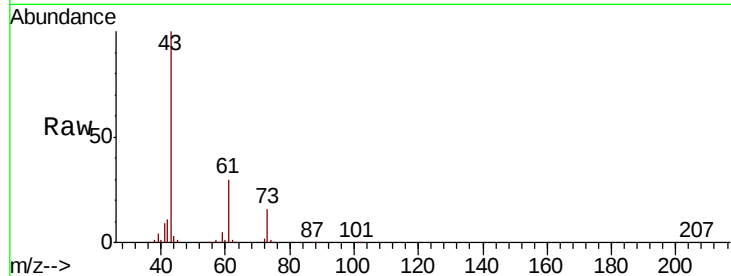




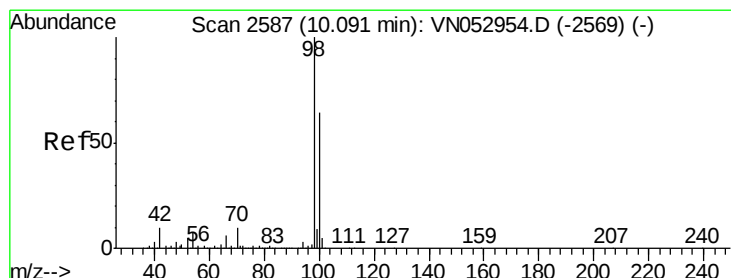
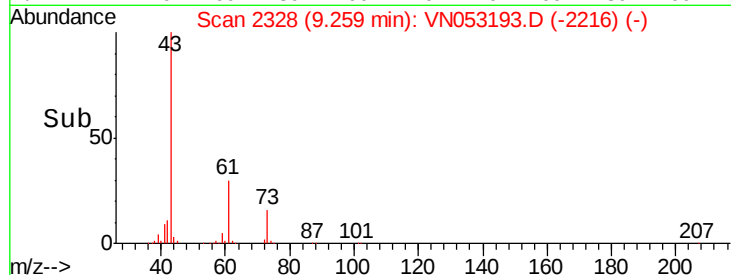
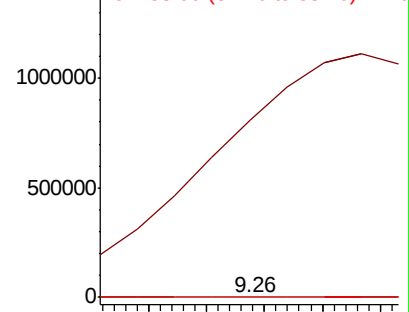
#49
 1,4-Dioxane
 Concen: 0.513 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.06 min
 Lab File: VN053193.D
 Acq: 24 Dec 2018 18:47

Instrument :
 MSVOA_N
 ClientSampled :
 SB-63(0-5)-GRAB

Tot Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 40.0#
 58 0.0 58.4 87.6#

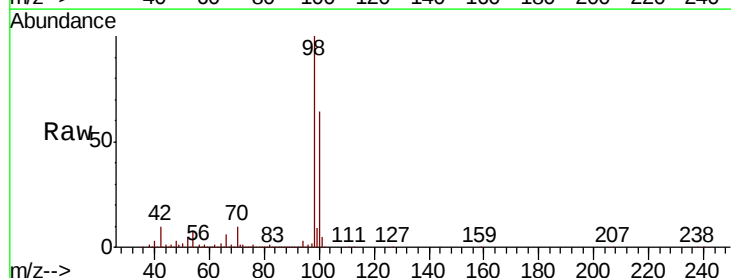


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

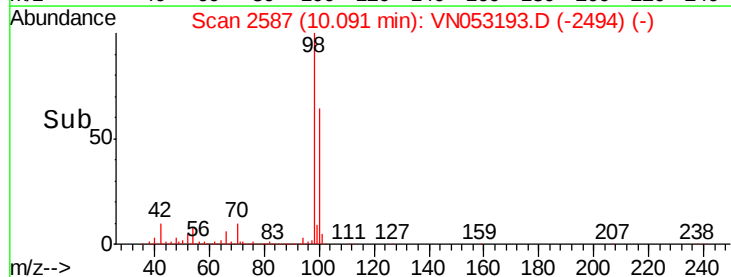
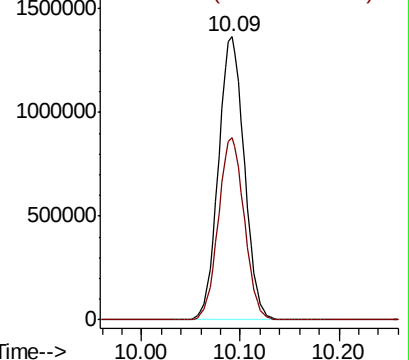


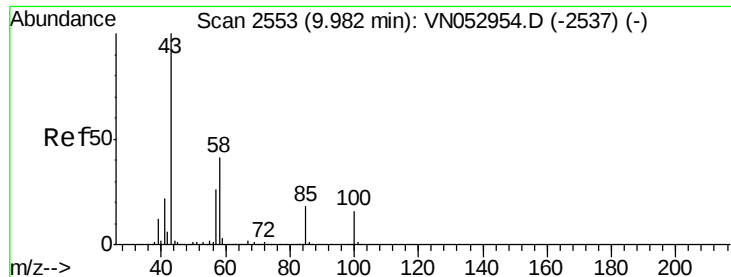
#50
 Toluene-d8
 Concen: 0.513 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053193.D
 Acq: 24 Dec 2018 18:47

Tgt Ion: 98 Resp: 2479422
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.573 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampled :

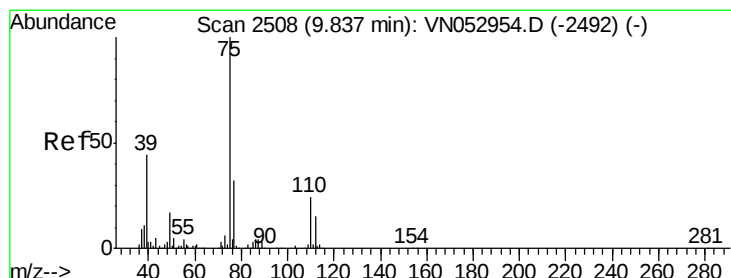
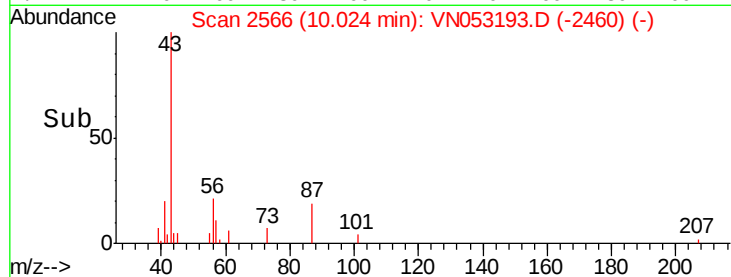
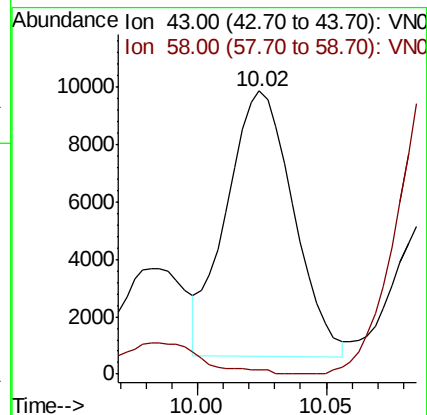
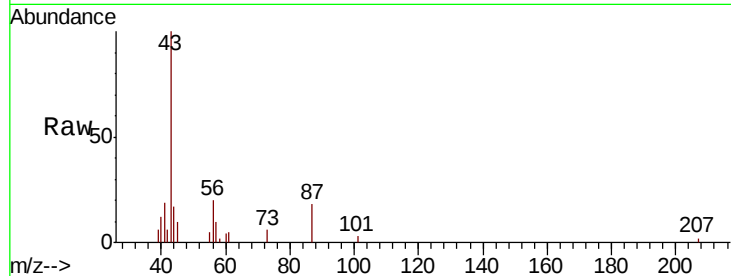
SB-63(0-5)-GRAB

Tot Ion: 43 Resp: 16684

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 4.503 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

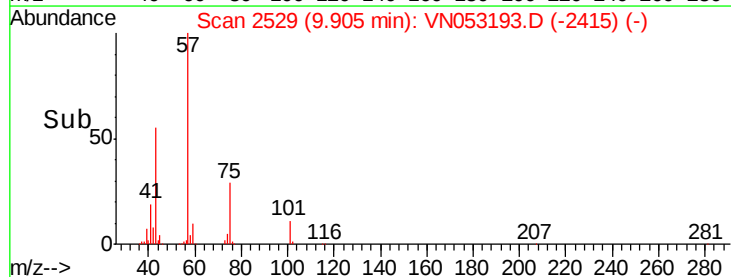
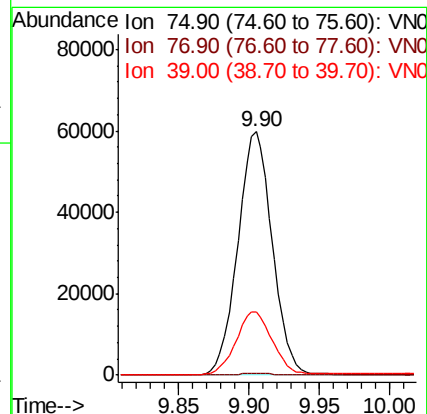
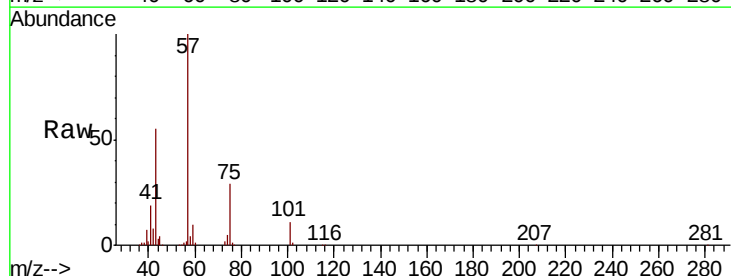
Tgt Ion: 75 Resp: 102310

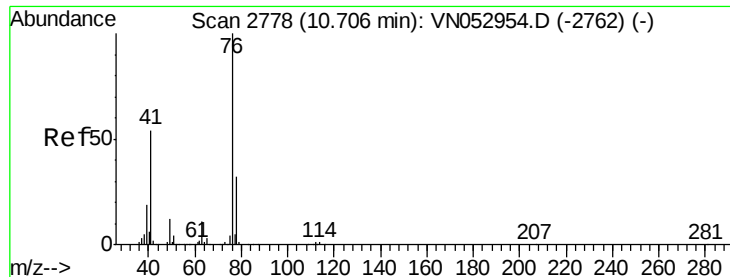
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

39 25.8 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 0.610 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

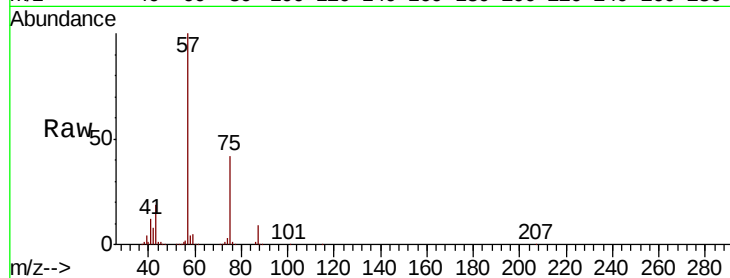
SB-63(0-5)-GRAB

Tot Ion: 76 Resp: 13199

Ion Ratio Lower Upper

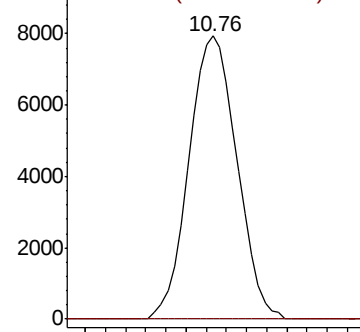
76 100

78 0.0 25.8 38.8#

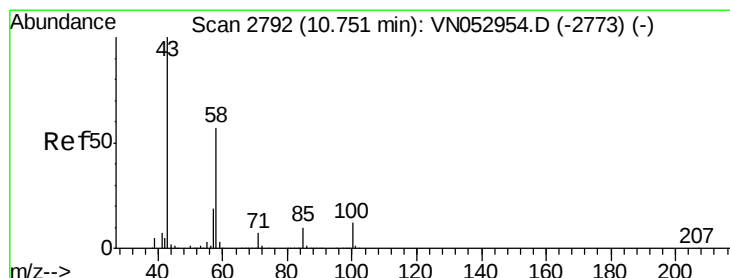
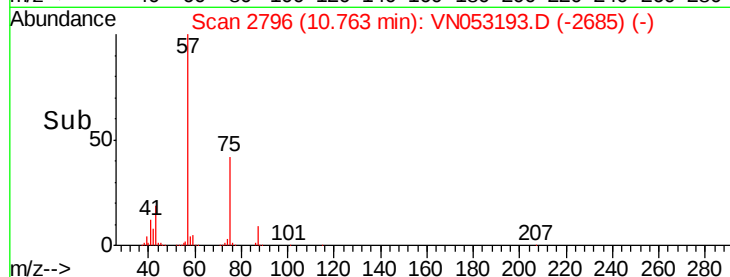


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#59

2-Hexanone

Concen: 24.168 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053193.D

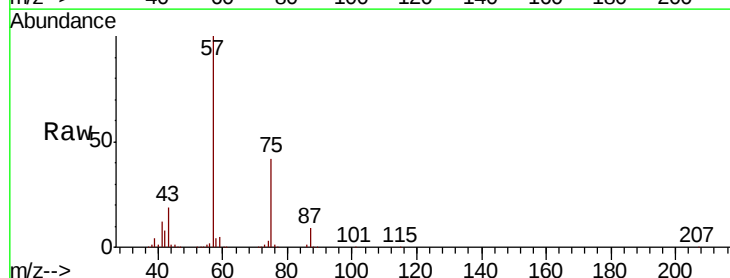
Acq: 24 Dec 2018 18:47

Tgt Ion: 43 Resp: 173459

Ion Ratio Lower Upper

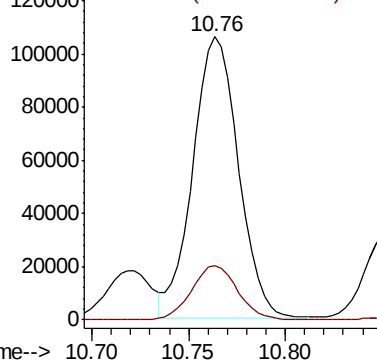
43 100

58 19.6 28.1 84.3#

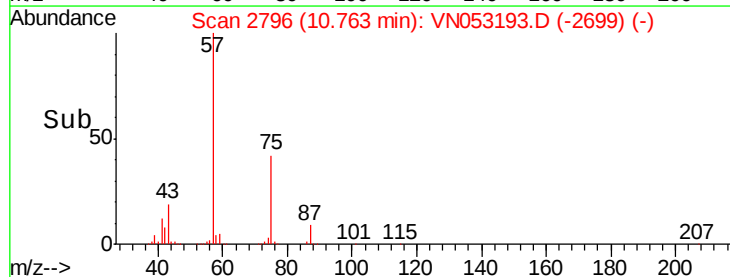


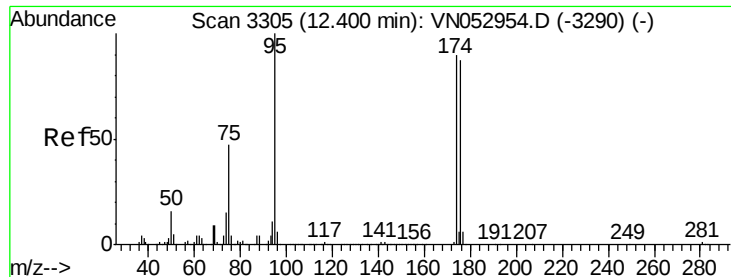
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SB-63(0-5)-GRAB

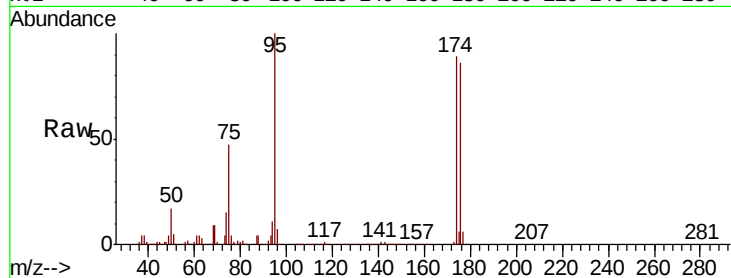
Tot Ion: 95 Resp: 786851

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

176 87.1 0.0 173.8

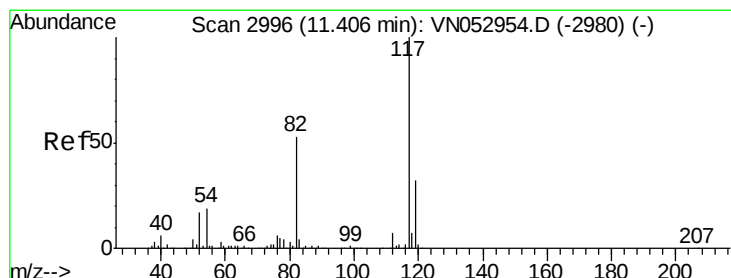
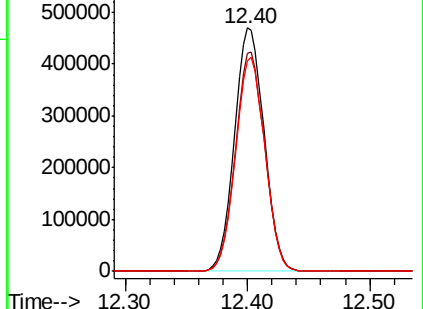
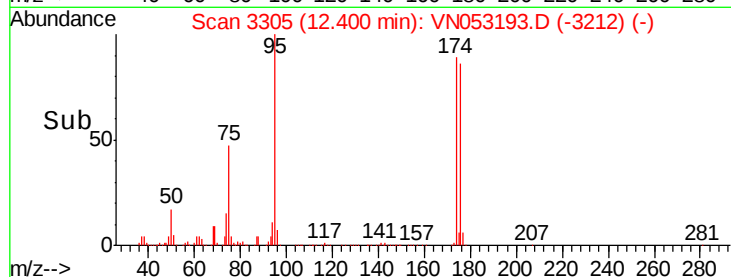


Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

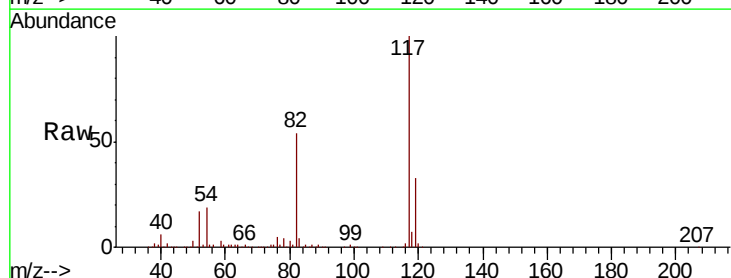
Tgt Ion: 117 Resp: 1798750

Ion Ratio Lower Upper

117 100

82 53.7 42.8 64.2

119 32.6 25.5 38.3

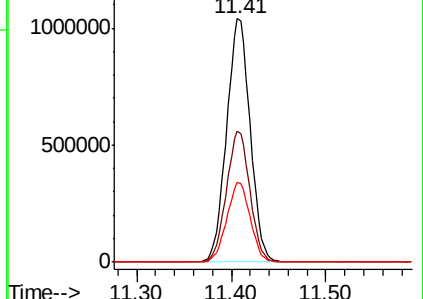
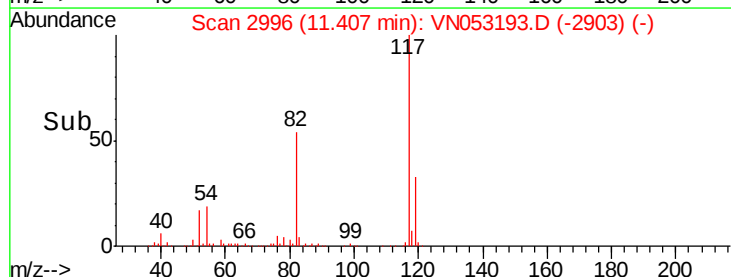


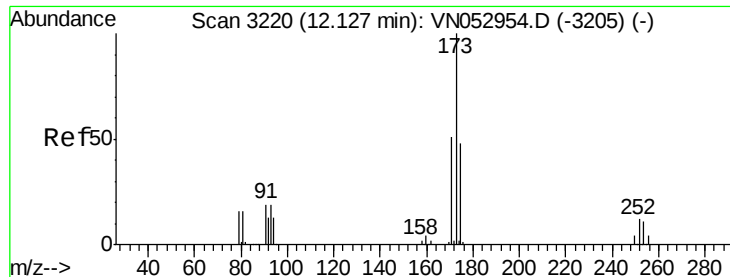
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

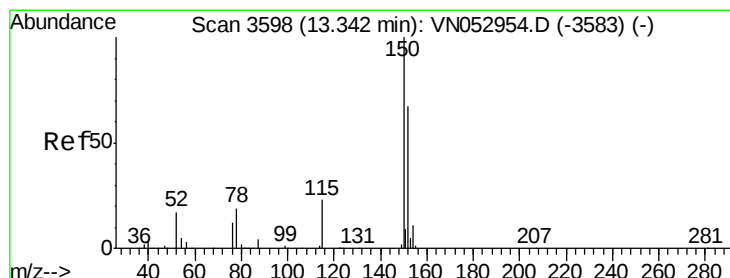
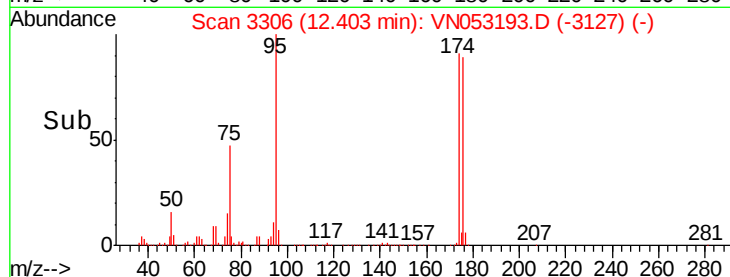
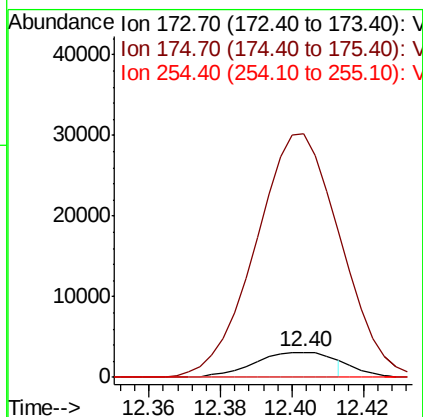
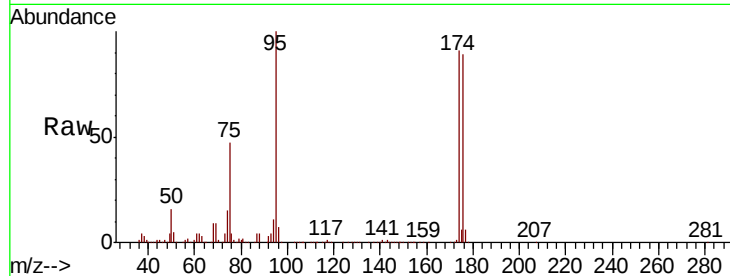




#71
Bromoform
Concen: 0.474 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053193.D
Acq: 24 Dec 2018 18:47

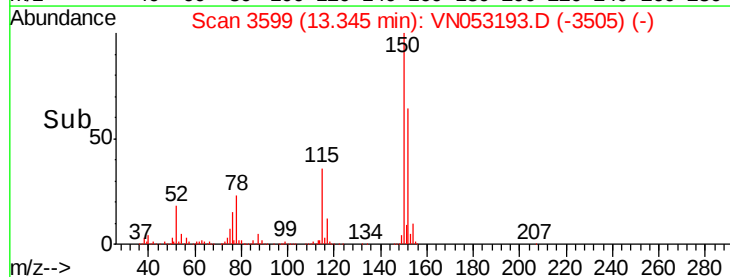
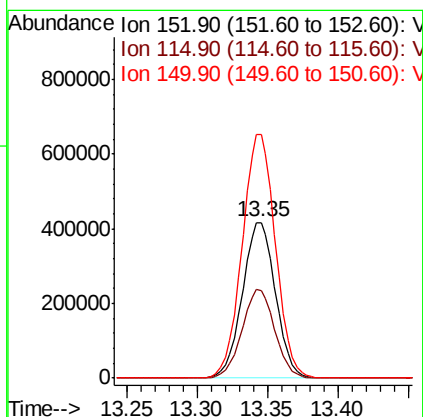
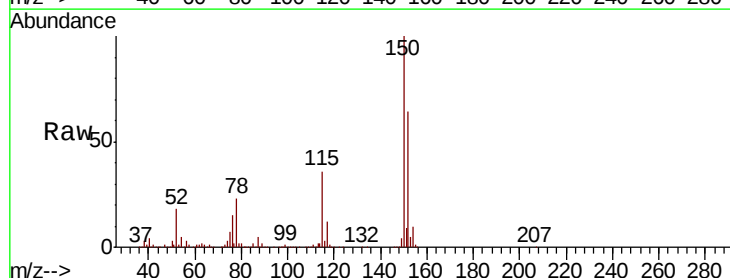
Instrument :
MSVOA_N
ClientSampleId :
SB-63(0-5)-GRAB

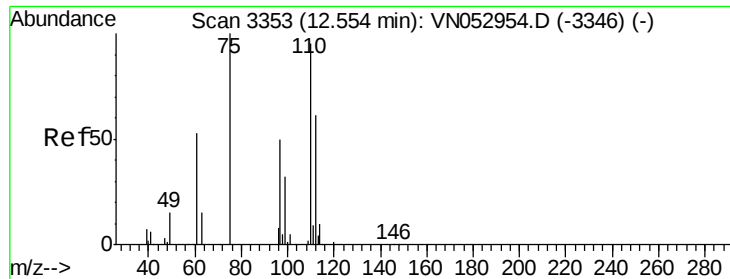
Tot Ion:173 Resp: 4748
Ion Ratio Lower Upper
173 100
175 921.0 24.3 72.9#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053193.D
Acq: 24 Dec 2018 18:47

Tgt Ion:152 Resp: 684505
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 157.3 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 31.904 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

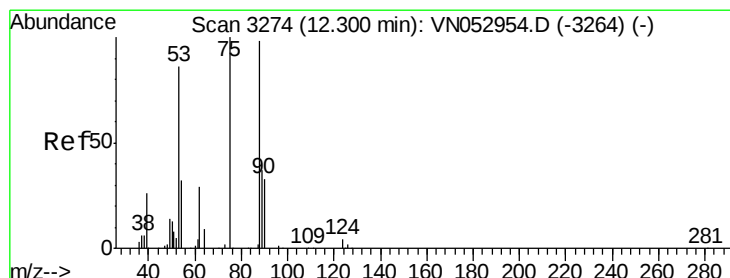
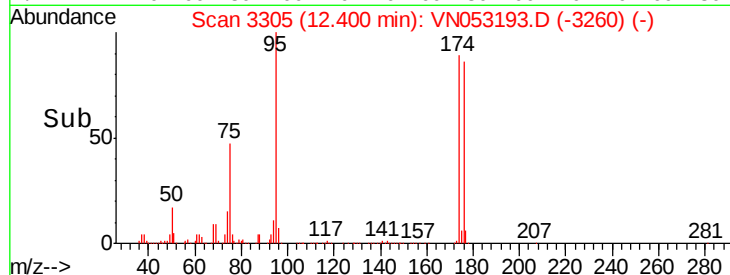
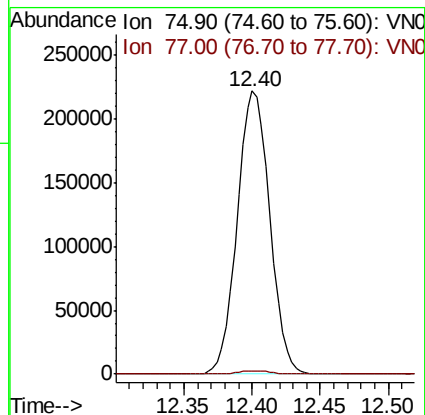
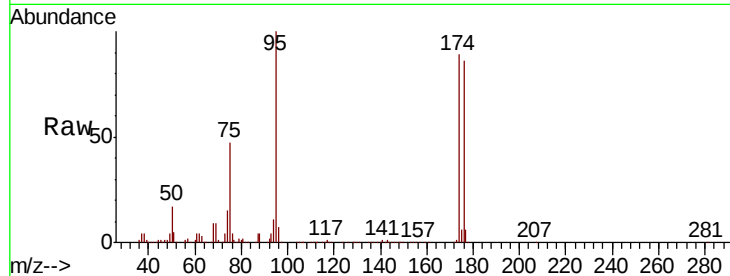
SB-63(0-5)-GRAB

Tot Ion: 75 Resp: 367625

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053193.D

Acq: 24 Dec 2018 18:47

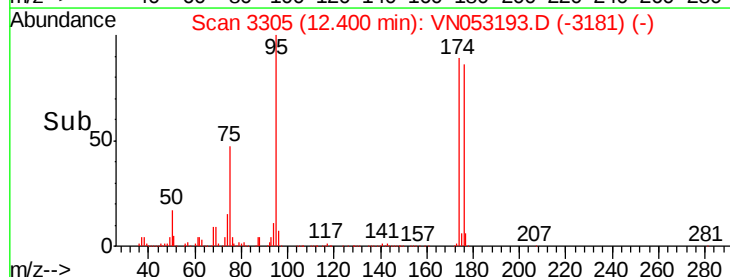
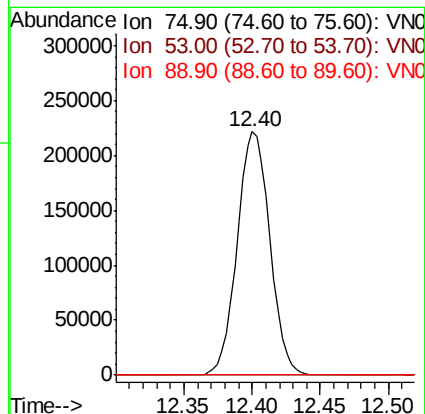
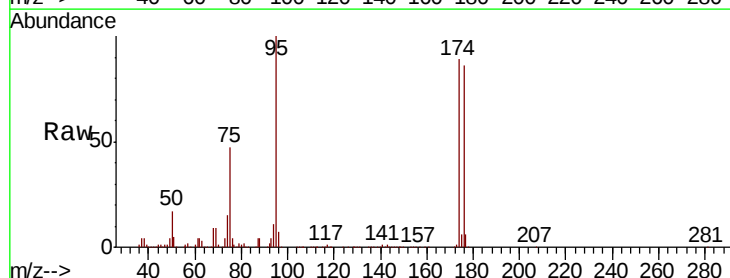
Tgt Ion: 75 Resp: 367625

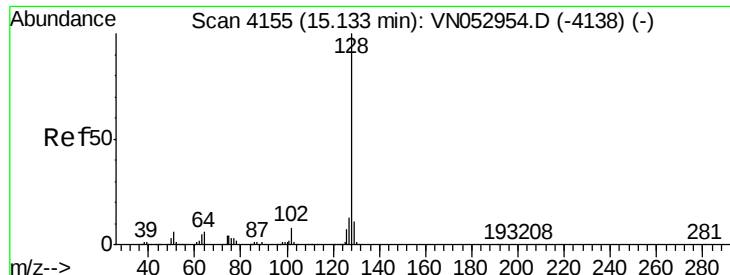
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 1.172 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN053193.D

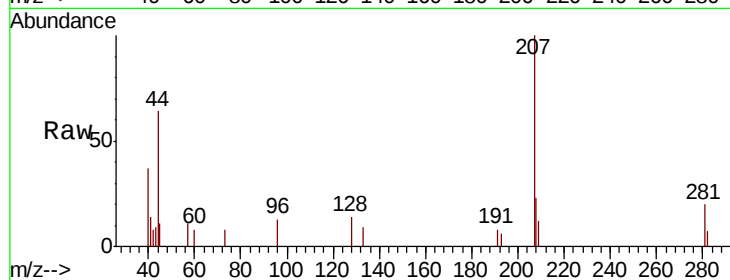
Acq: 24 Dec 2018 18:47

Instrument :

MSVOA_N

ClientSampleId :

SB-63(0-5)-GRAB



Tot Ion:	128	Resp:	711
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	13.0#

