

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053195.D
 Acq On : 24 Dec 2018 19:40
 Operator : MD\SY
 Sample : J6511-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

Quant Time: Dec 24 22:33:05 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	1264320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1957733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	713747	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	641697	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	7.59	113	531015	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
50) Toluene-d8	10.09	98	2433598	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	818957	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

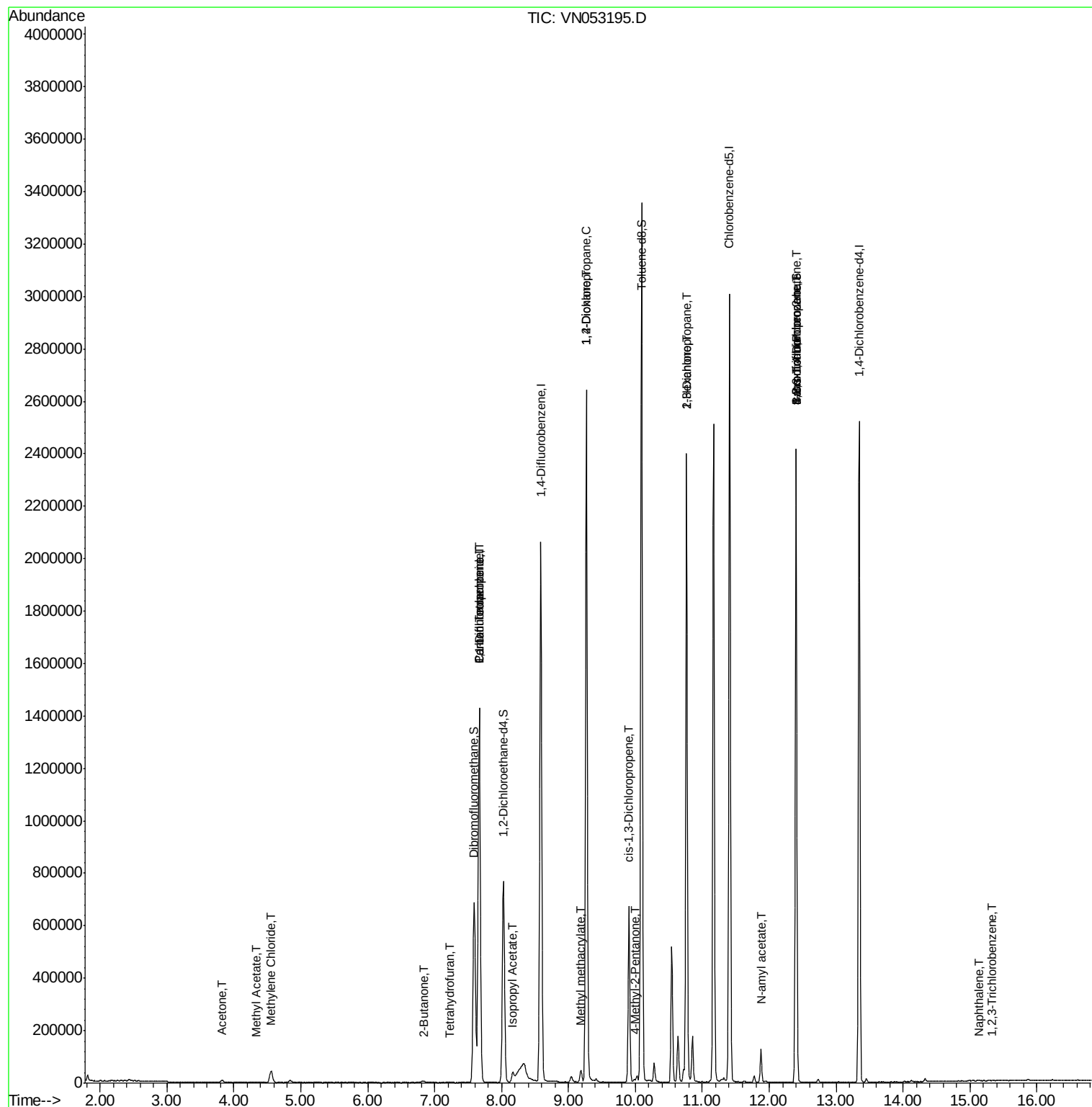
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	17050	6.778	ug/l	99
18) Methyl Acetate	4.33	43	5584	1.471	ug/l	93
20) Methylene Chloride	4.56	84	33942	2.473	ug/l	96
25) 2-Butanone	6.85	43	2162	0.512	ug/l #	49
29) Tetrahydrofuran	7.22	42	1979	0.628	ug/l #	70
31) Cyclohexane	7.67	56	20512	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	81349	4.329	ug/l #	49
38) Carbon Tetrachloride	7.67	117	110539	6.418	ug/l #	15
43) Isopropyl Acetate	8.17	43	51491	1.524	ug/l #	85
45) 1,2-Dichloropropane	9.27	63	3739	0.257	ug/l #	44
48) Methyl methacrylate	9.18	41	15280	1.501	ug/l #	12
49) 1,4-Dioxane	9.27	88	397	3.083	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	7667	0.755	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	127674	5.868	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	24251	1.170	ug/l #	42
59) 2-Hexanone	10.76	43	342131	49.778	ug/l #	50
71) Bromoform	12.40	173	4700	0.464	ug/l #	1
74) N-amyl acetate	11.88	43	38675	2.494	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	382213	31.811	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	382213	102.530	ug/l #	12
95) Naphthalene	15.14	128	730	1.172	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	33	0.511	ug/l #	12

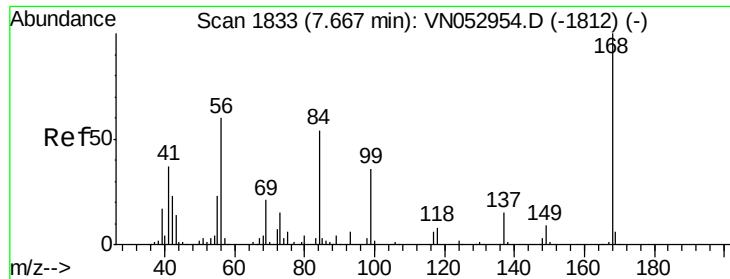
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 24 Dec 2018 19:40
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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: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

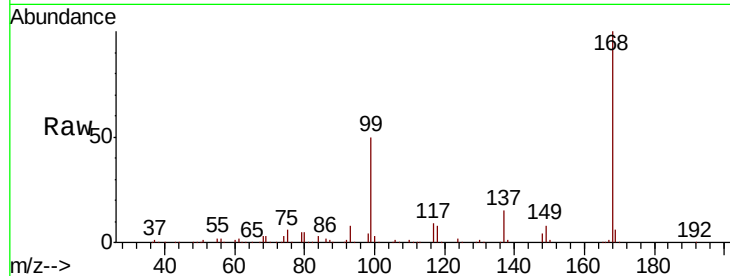
SB-65(0-5)-GRAB

Tot Ion:168 Resp: 1264320

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053195.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053195.D (-1740) (-)

7.67

600000

500000

400000

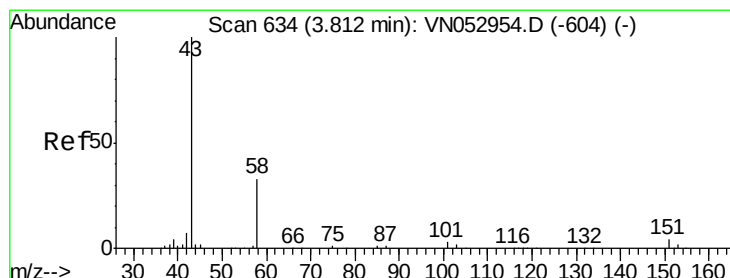
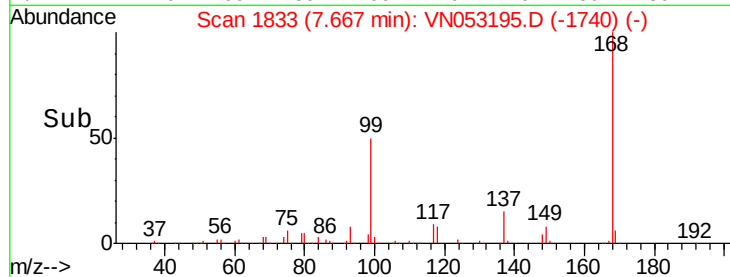
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 6.778 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053195.D

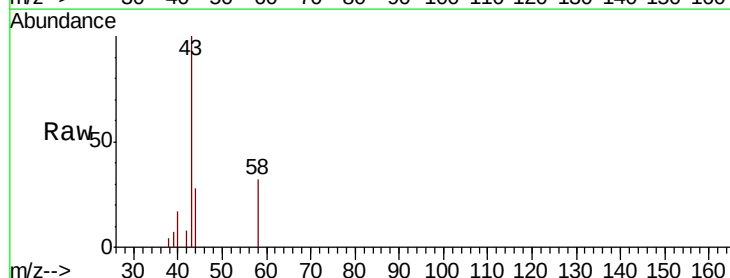
Acq: 24 Dec 2018 19:40

Tgt Ion: 43 Resp: 17050

Ion Ratio Lower Upper

43 100

58 32.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053195.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053195.D (-541) (-)

3.82

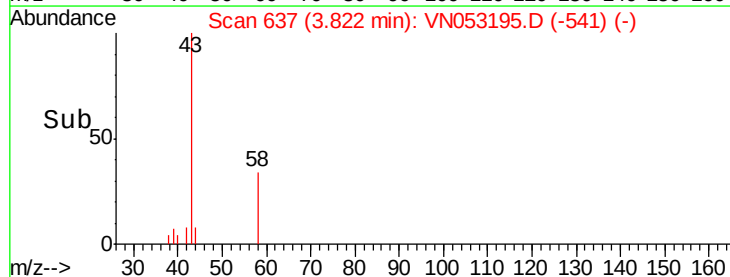
6000

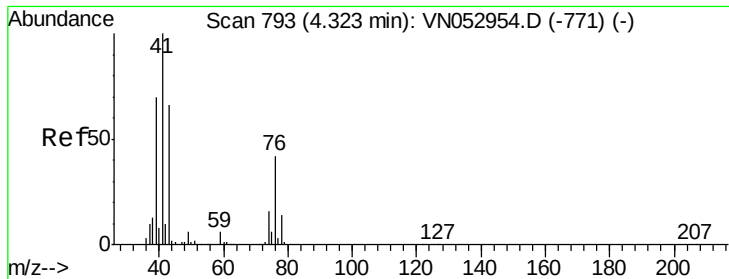
4000

2000

0

Time--> 3.75 3.80 3.85 3.90





#18

Methvl Acetate

Concen: 1.471 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

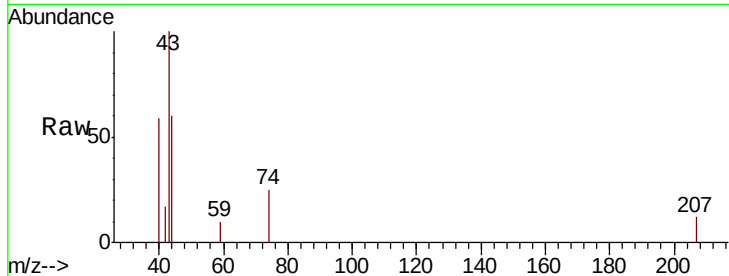
SB-65(0-5)-GRAB

Tot Ion: 43 Resp: 5584

Ion Ratio Lower Upper

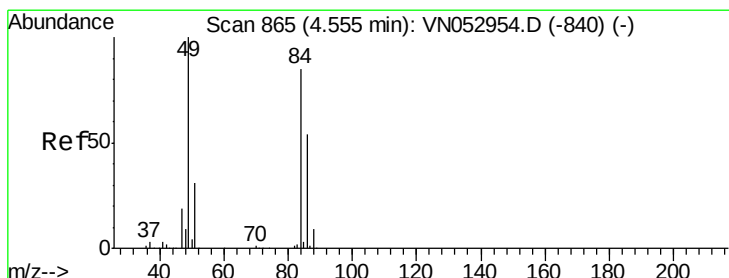
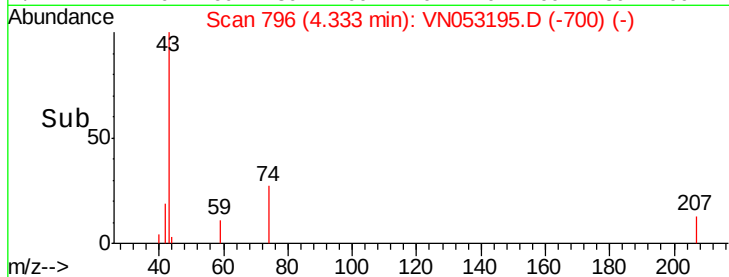
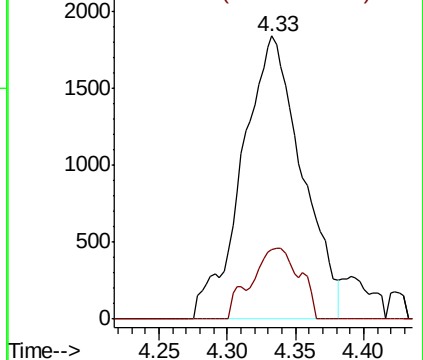
43 100

74 20.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



#20

Methylene Chloride

Concen: 2.473 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Tgt Ion: 84 Resp: 33942

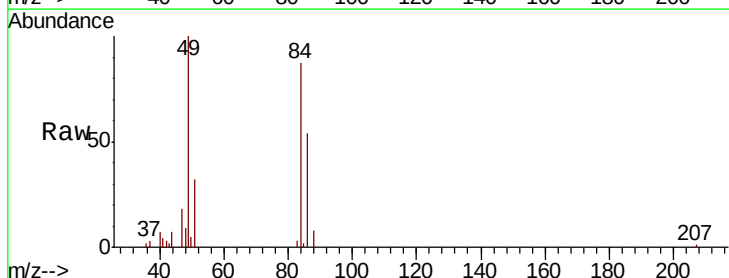
Ion Ratio Lower Upper

84 100

49 114.5 96.8 145.2

51 36.1 29.9 44.9

86 62.1 51.8 77.6

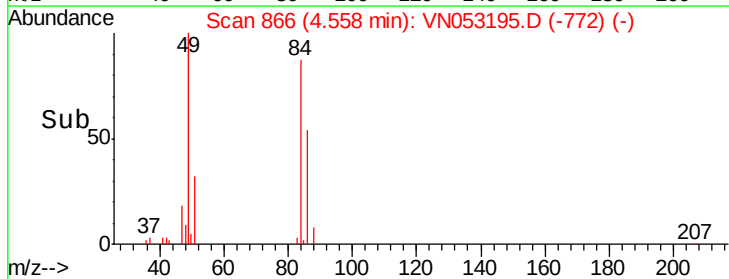
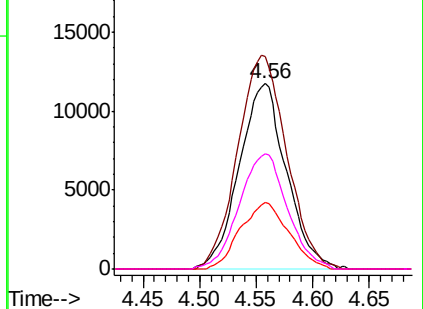


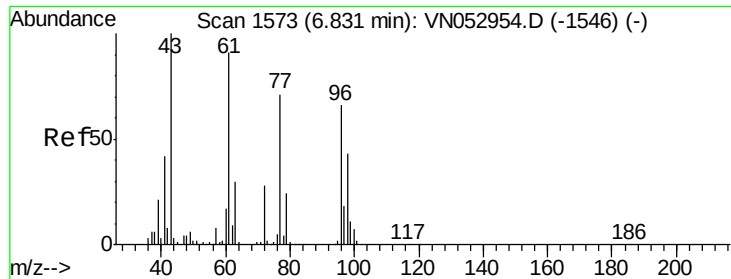
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#25

2-Butanone

Concen: 0.512 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.02 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

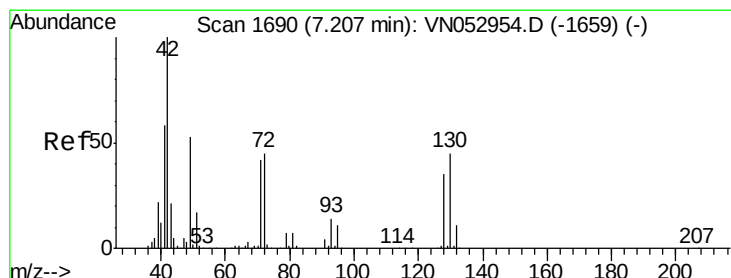
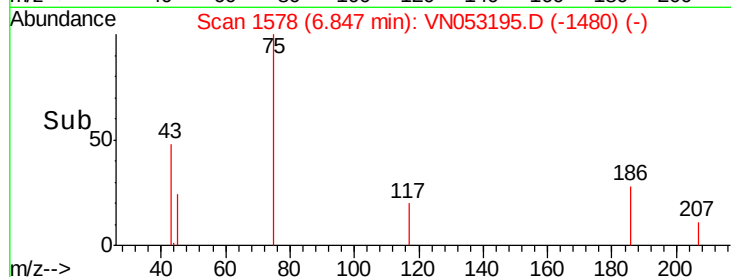
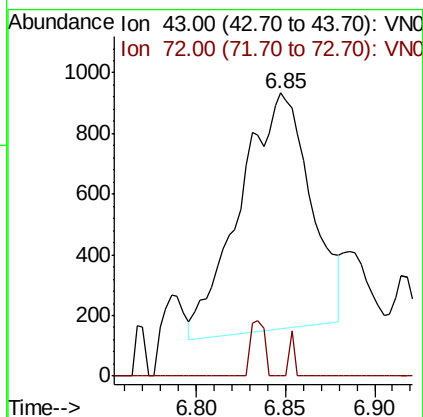
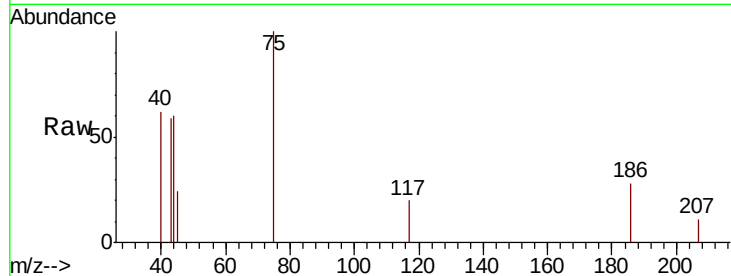
SB-65(0-5)-GRAB

Tot Ion: 43 Resp: 2162

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.628 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

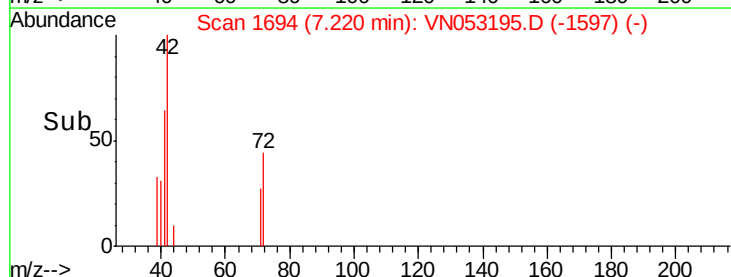
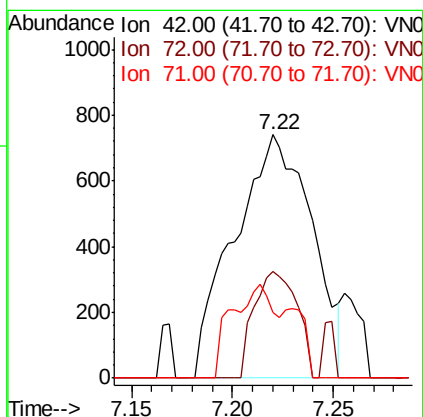
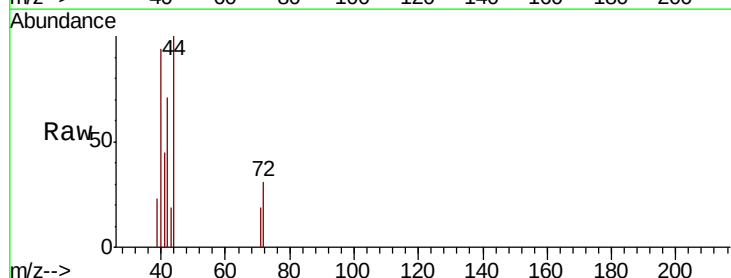
Tgt Ion: 42 Resp: 1979

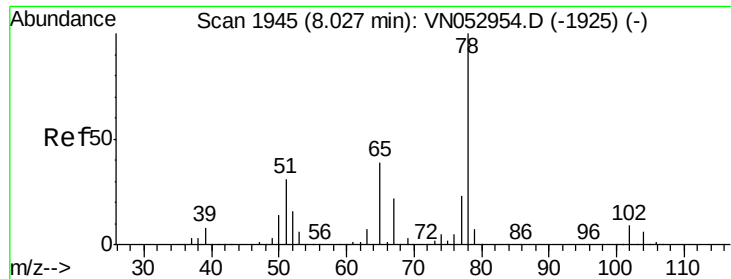
Ion Ratio Lower Upper

42 100

72 24.4 34.7 52.1#

71 21.4 32.3 48.5#

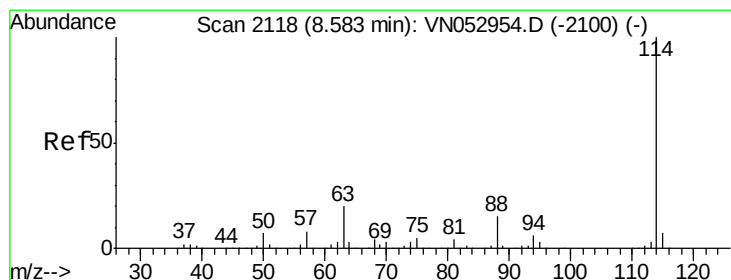
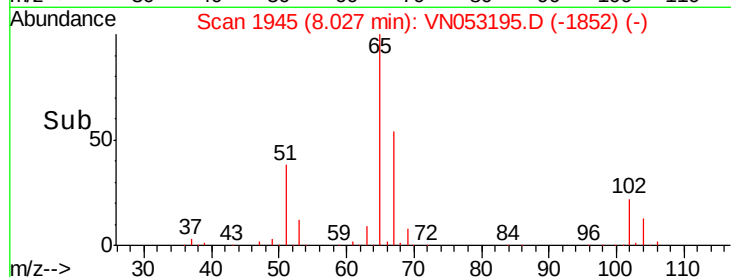
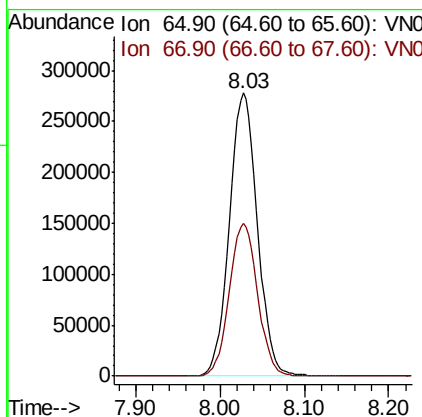
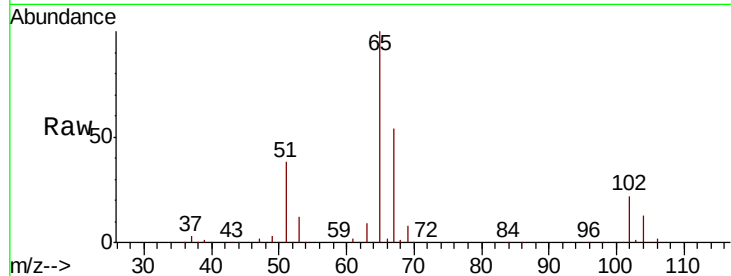




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

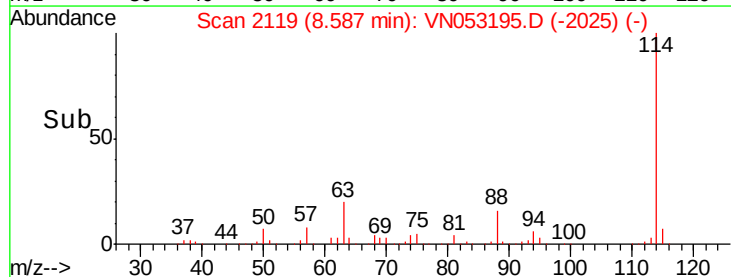
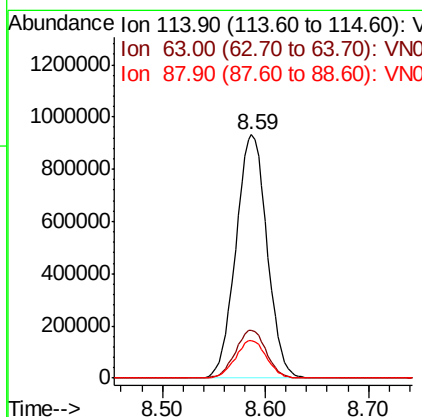
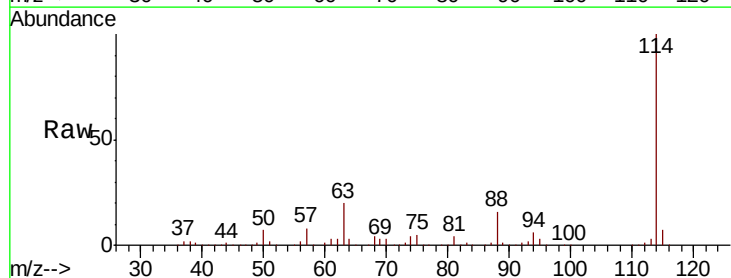
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

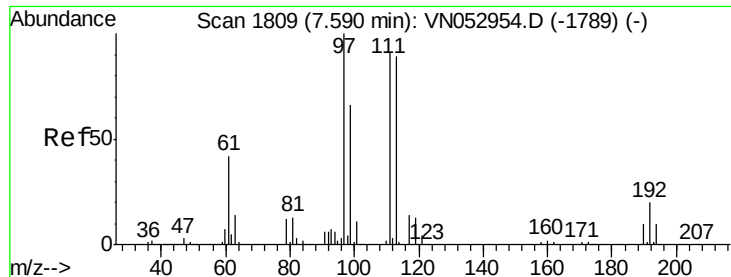
Tot Ion: 65 Resp: 641697
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

Tgt Ion: 114 Resp: 1957733
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 0.0 31.0

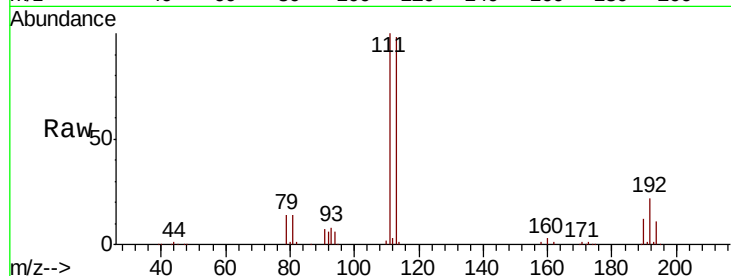




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

Instrument :
MSVOA_N
ClientSampleId :
SB-65(0-5)-GRAB

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.0	124.4
192	22.9	17.5	26.3

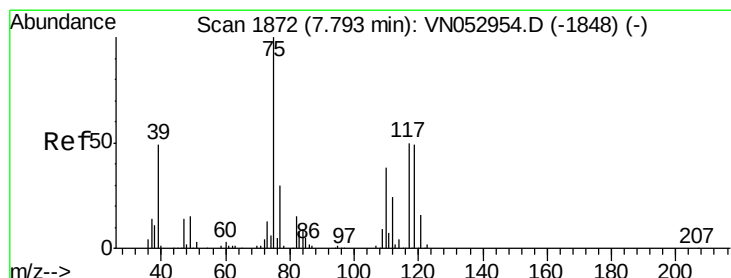
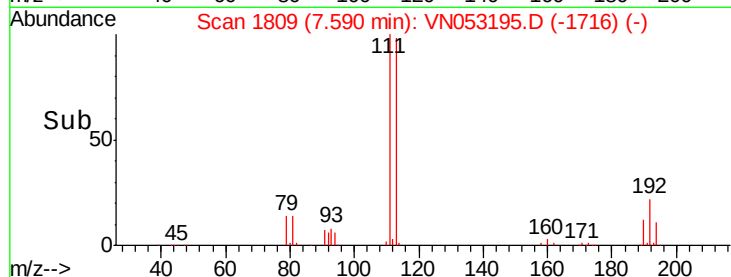
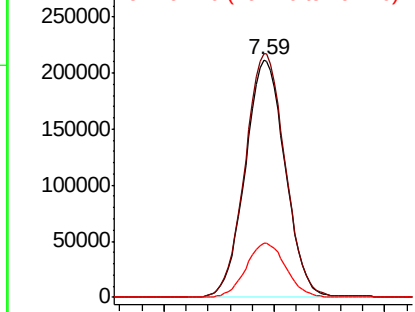


Abundance

Ion 112.80 (112.50 to 113.50): V

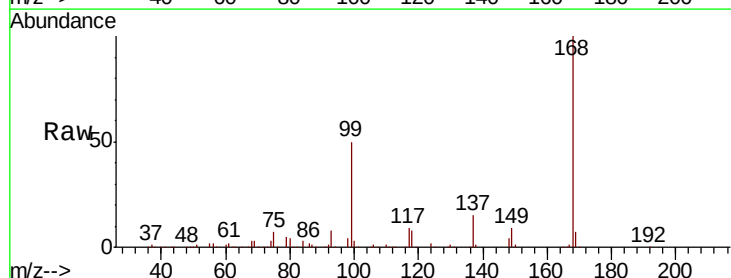
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#

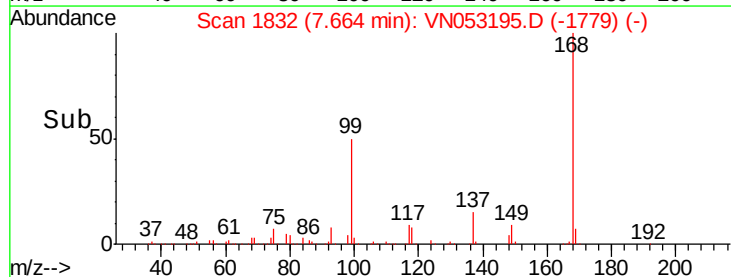
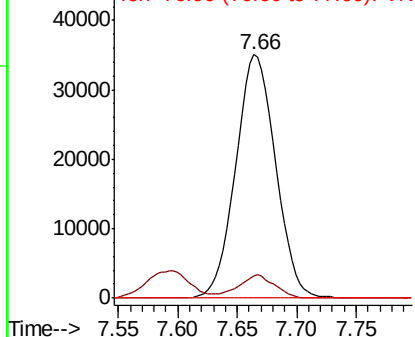


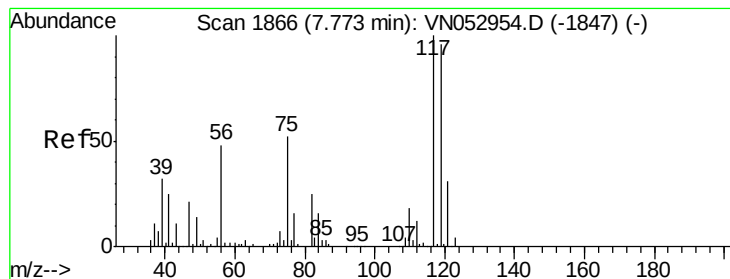
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.418 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

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SB-65(0-5)-GRAB

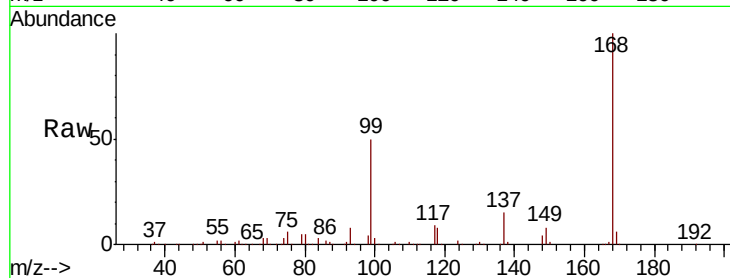
Tot Ion:117 Resp: 110539

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

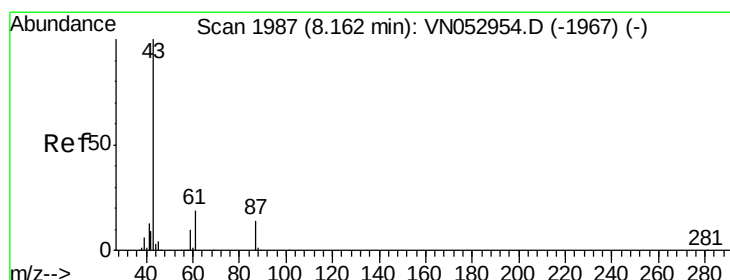
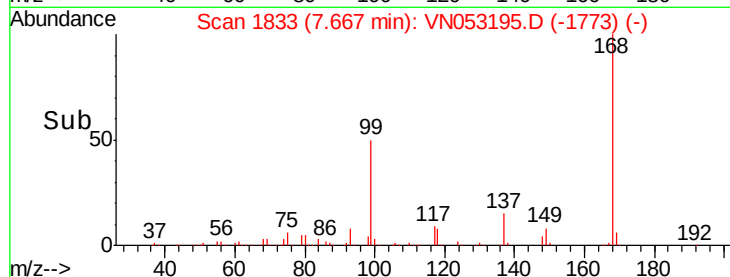
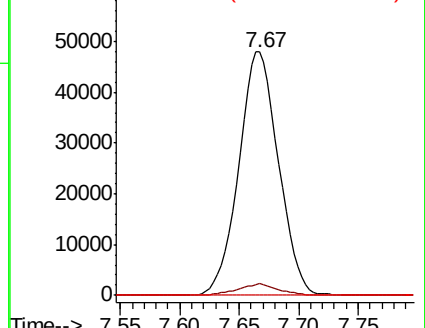
121 0.0 24.9 37.3#



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: 1.524 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

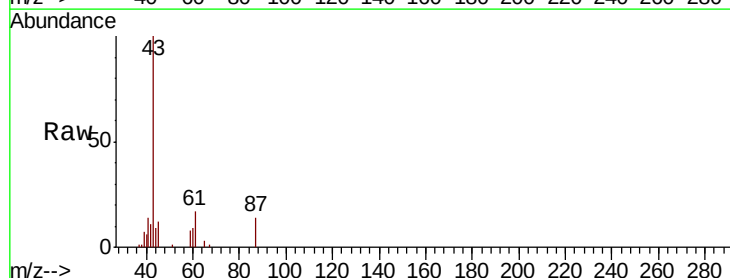
Tgt Ion: 43 Resp: 51491

Ion Ratio Lower Upper

43 100

61 17.8 22.9 34.3#

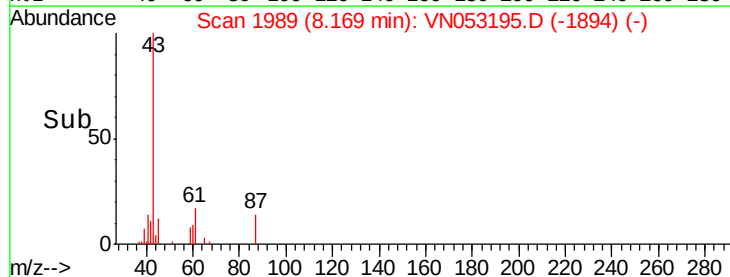
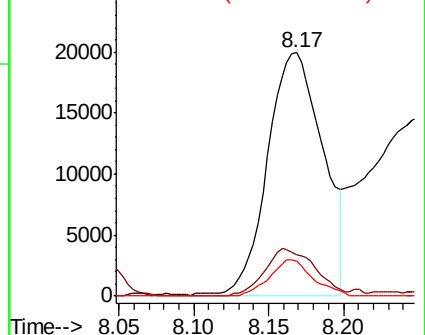
87 11.7 10.6 15.8

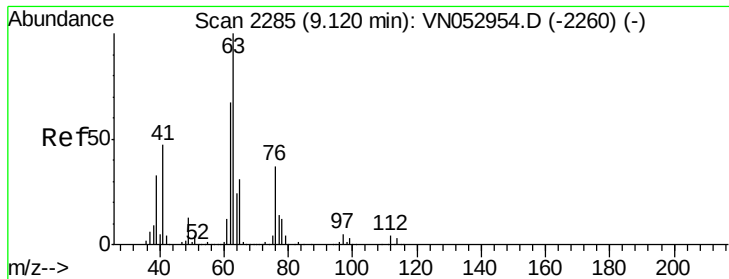


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

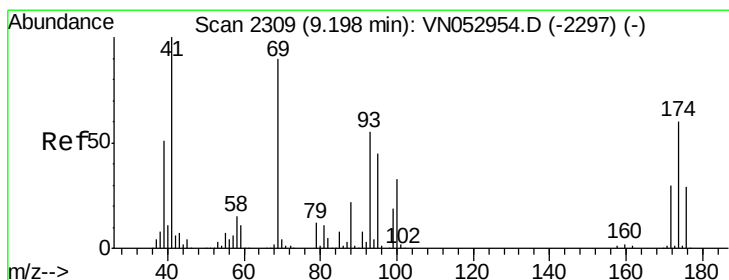
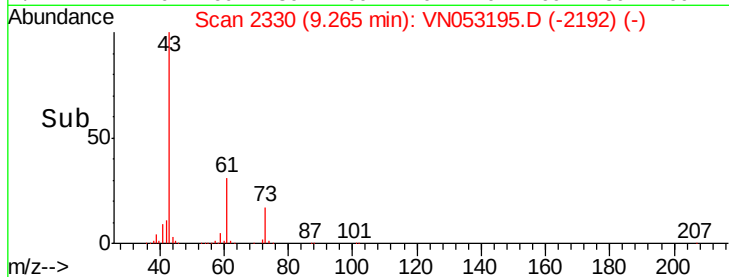
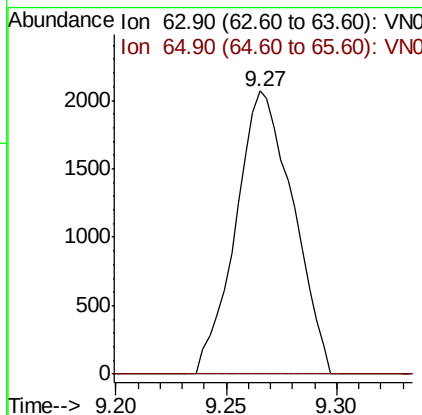
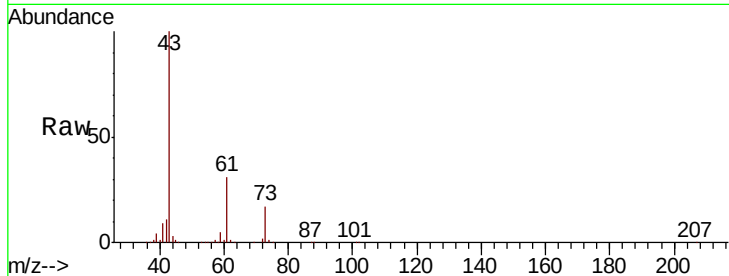




#45
 1,2-Dichloropropane
 Concen: 0.257 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

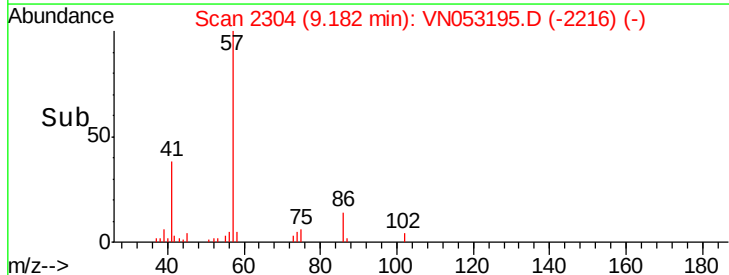
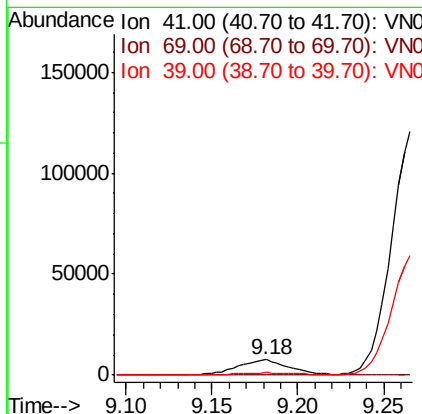
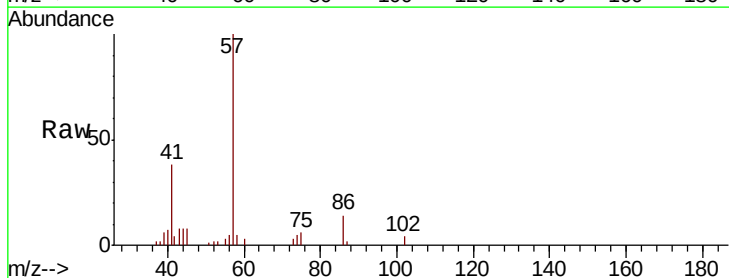
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

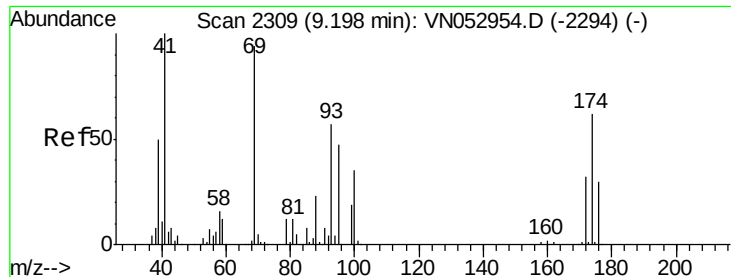
Tot Ion: 63 Resp: 3739
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.501 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

Tgt Ion: 41 Resp: 15280
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 0.0 41.9 62.9#





#49

1,4-Dioxane

Concen: 3.083 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

SB-65(0-5)-GRAB

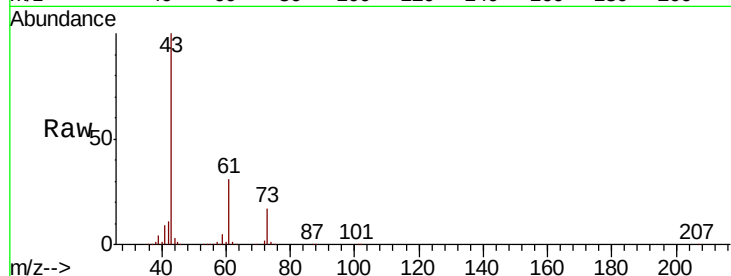
Tot Ion: 88 Resp: 397

Ion Ratio Lower Upper

88 100

43 661198.0 26.6 40.0#

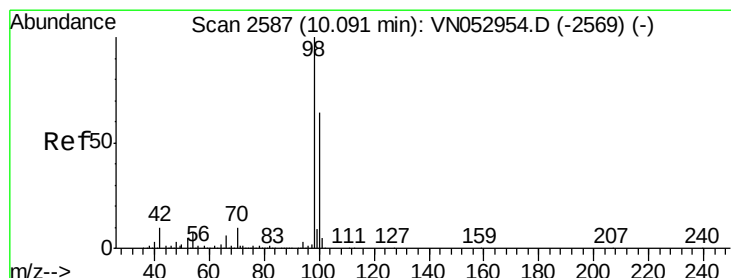
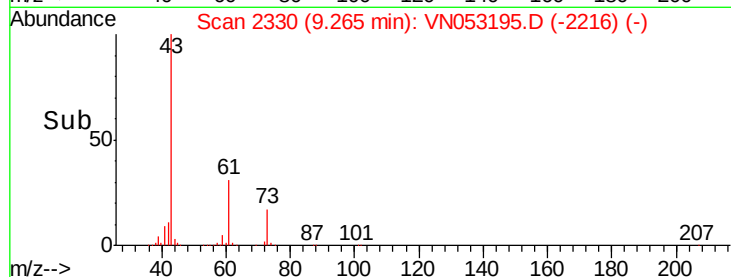
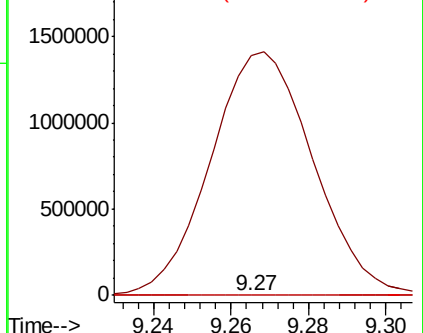
58 2754.4 58.4 87.6#



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: 3.083 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053195.D

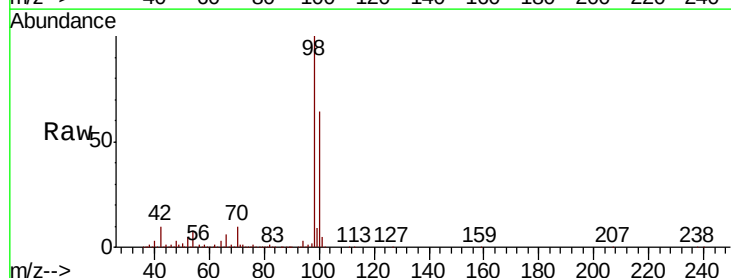
Acq: 24 Dec 2018 19:40

Tgt Ion: 98 Resp: 2433598

Ion Ratio Lower Upper

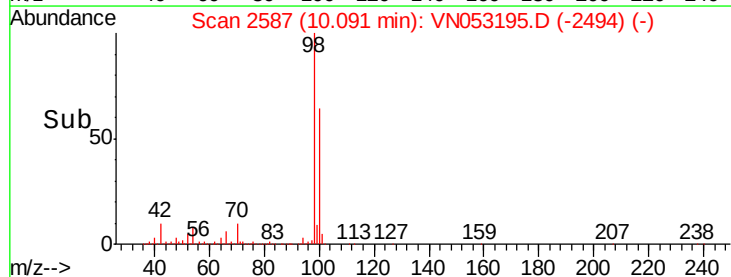
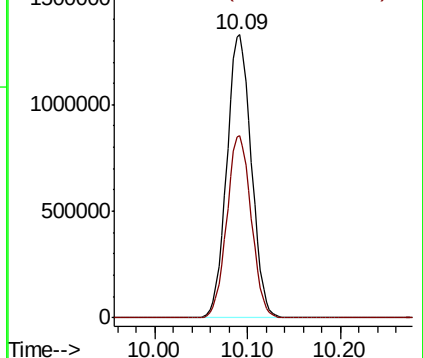
98 100

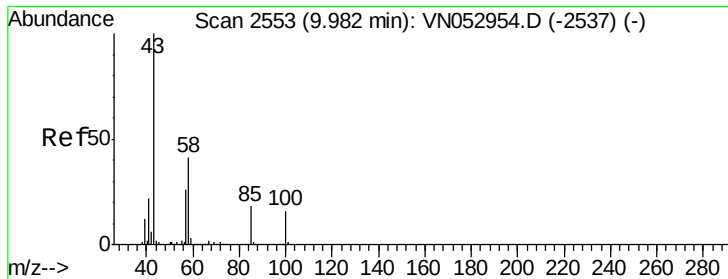
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

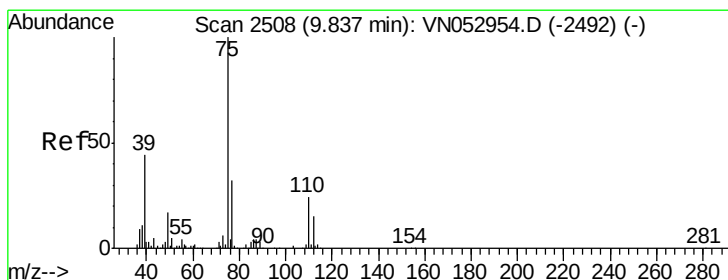
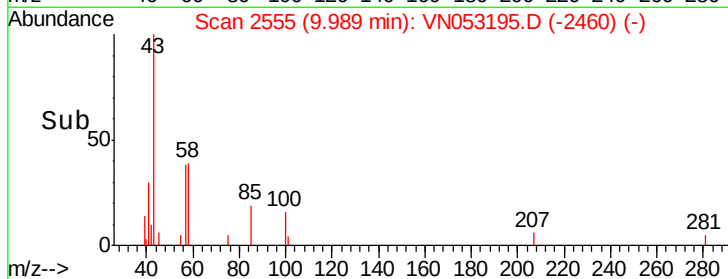
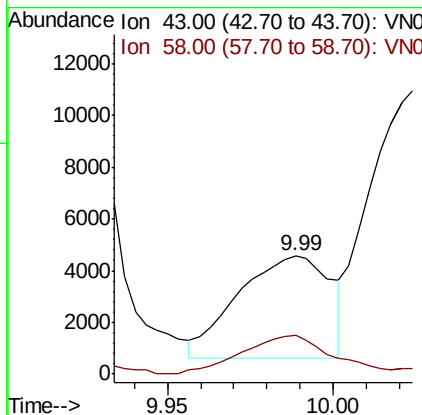
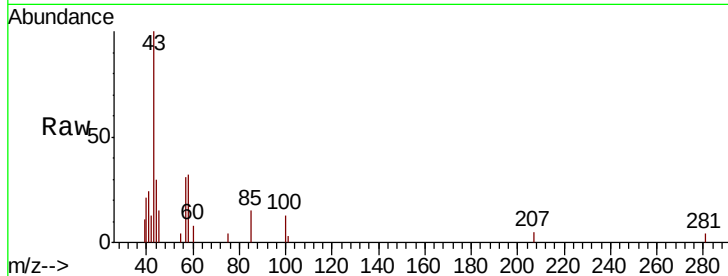




#51
 4-Methyl-2-Pentanone
 Concen: 0.755 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

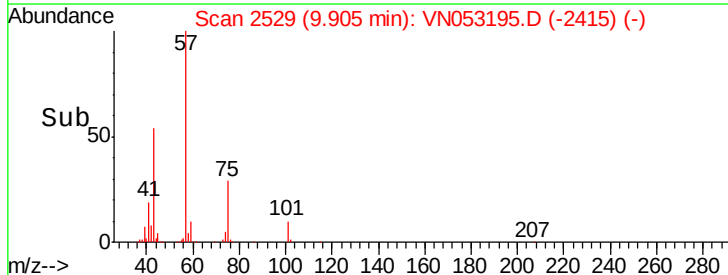
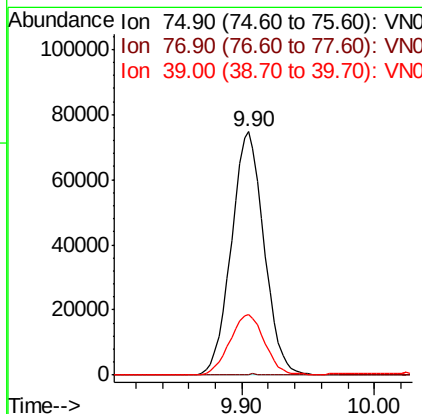
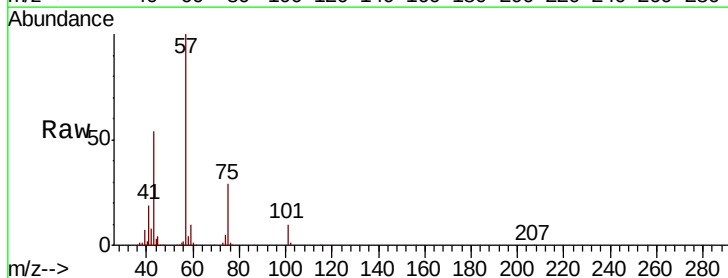
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

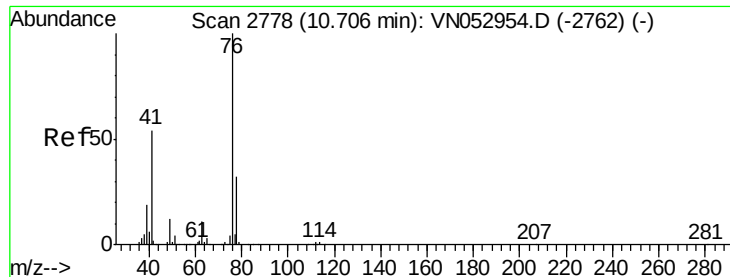
Tot Ion: 43 Resp: 7667
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.2 48.4



#54
 cis-1,3-Dichloropropene
 Concen: 5.868 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

Tgt Ion: 75 Resp: 127674
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.8#
 39 24.9 34.8 52.2#

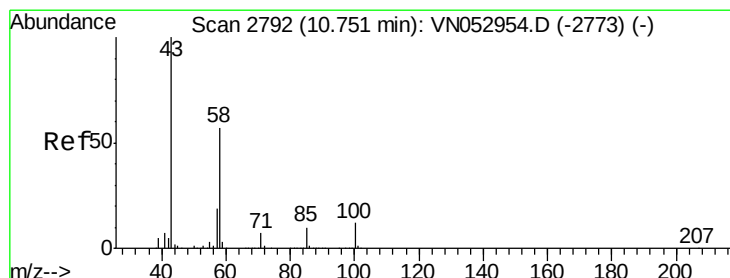
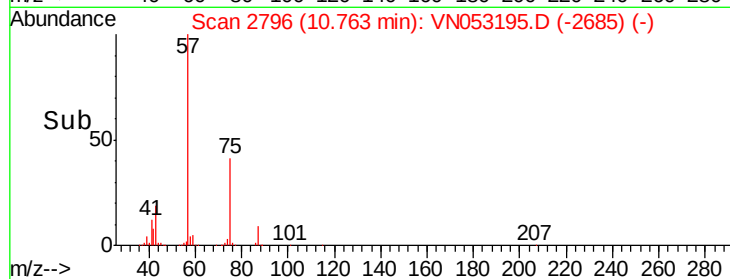
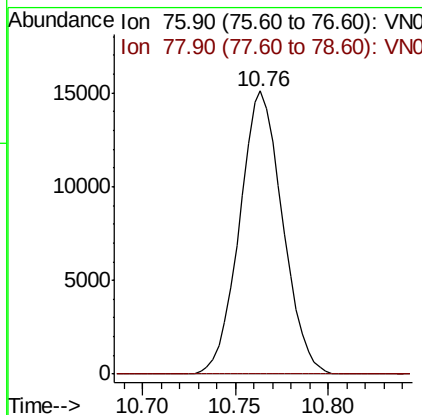
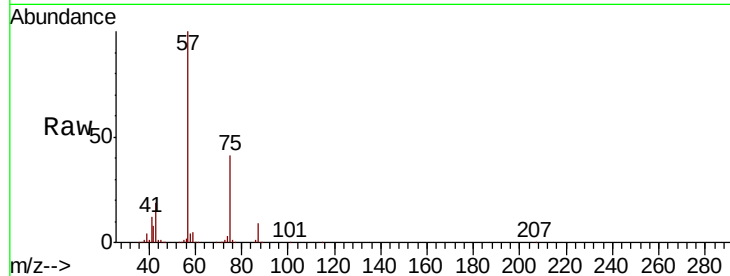




#57
 1,3-Dichloropropane
 Concen: 1.170 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

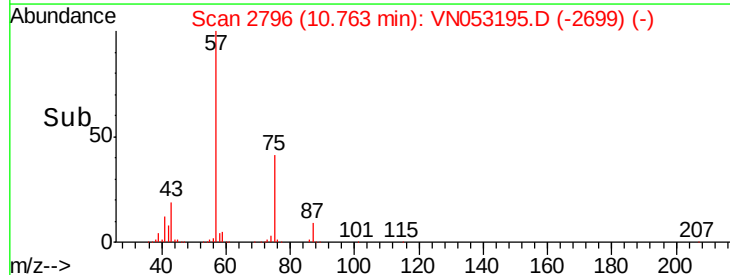
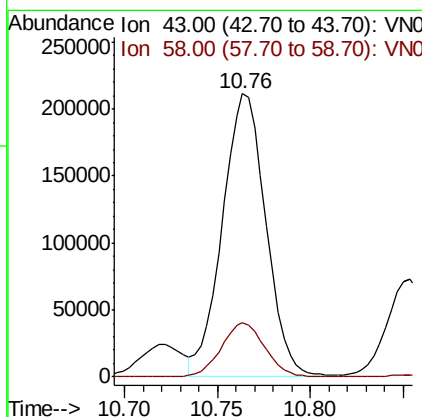
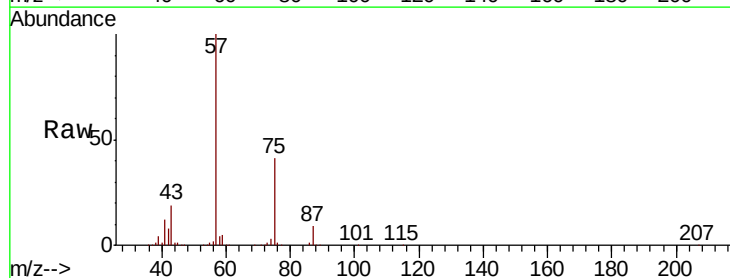
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

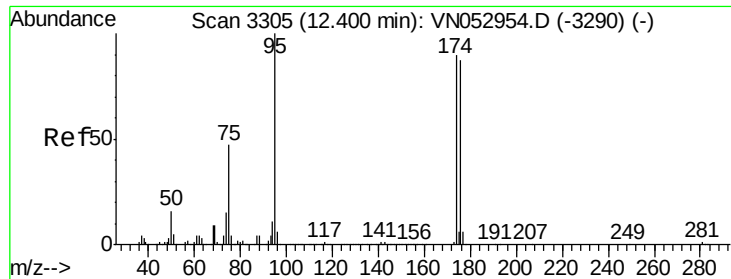
Tot Ion: 76 Resp: 24251
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 49.778 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

Tgt Ion: 43 Resp: 342131
 Ion Ratio Lower Upper
 43 100
 58 19.3 28.1 84.3#

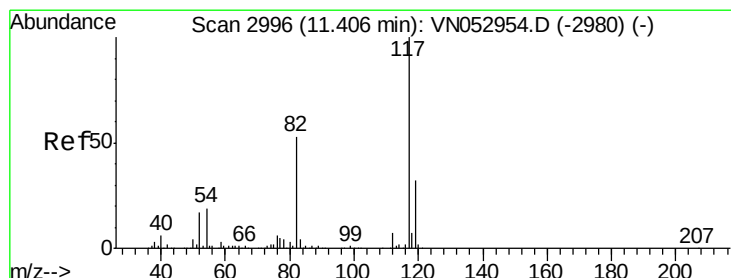
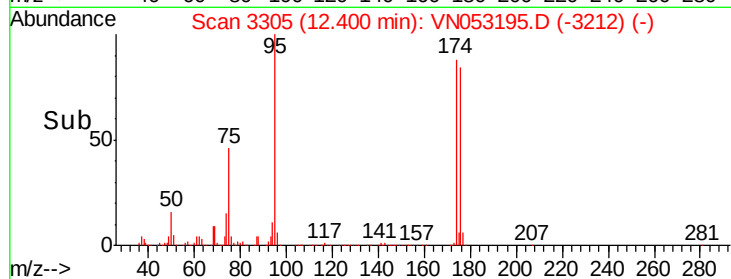
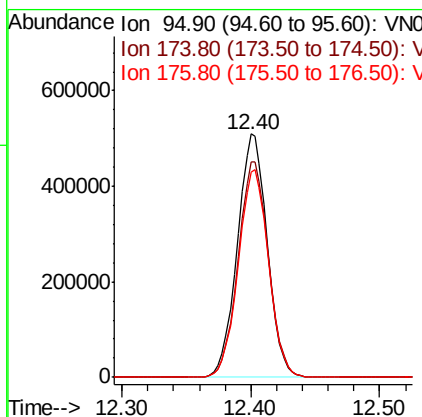
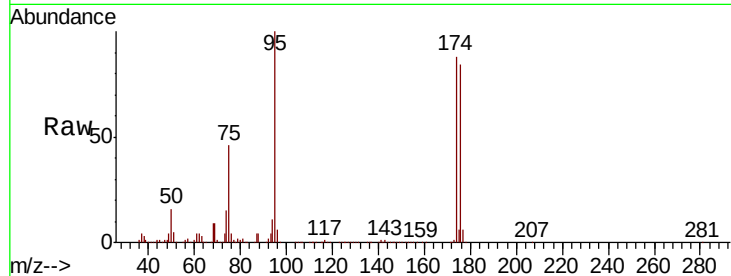




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

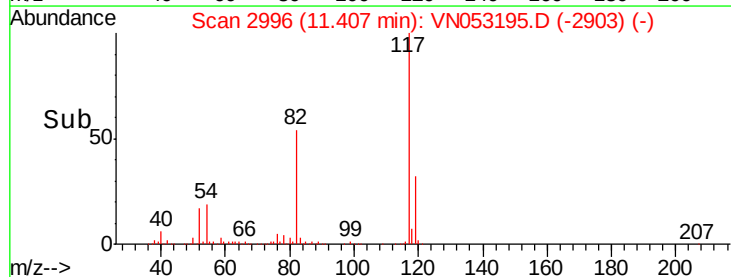
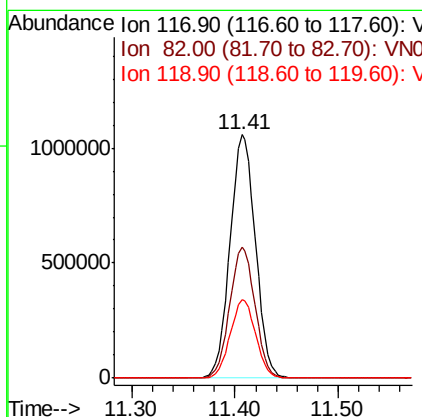
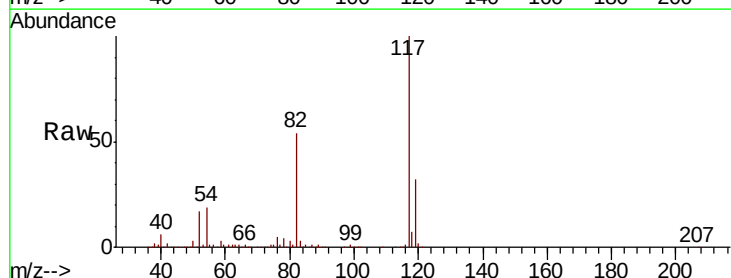
Instrument :
MSVOA_N
ClientSampleId :
SB-65(0-5)-GRAB

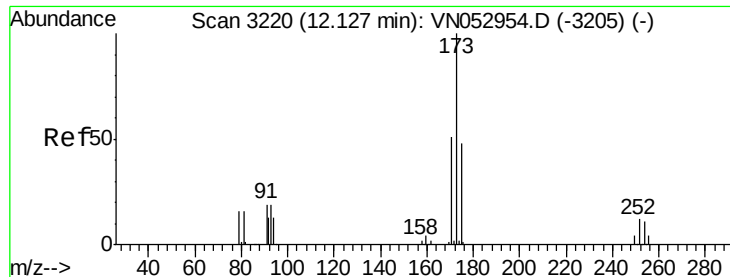
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	178.8
176	86.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.8	64.2
119	32.1	25.5	38.3





#71

Bromoform

Concen: 0.464 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

SB-65(0-5)-GRAB

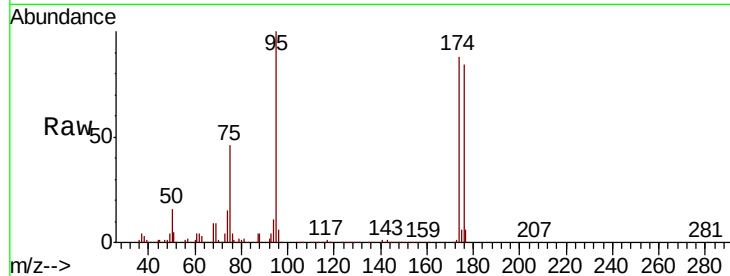
Tot Ion:173 Resp: 4700

Ion Ratio Lower Upper

173 100

175 998.0 24.3 72.9#

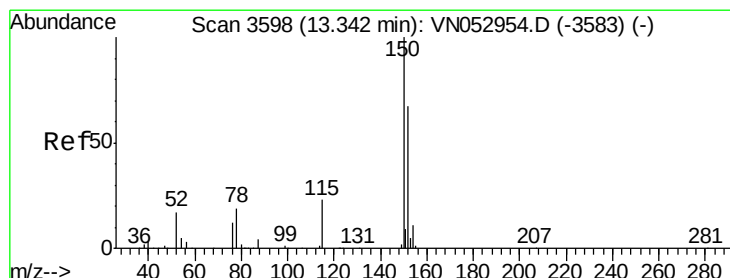
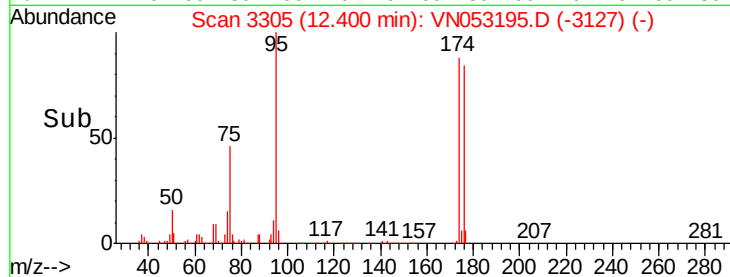
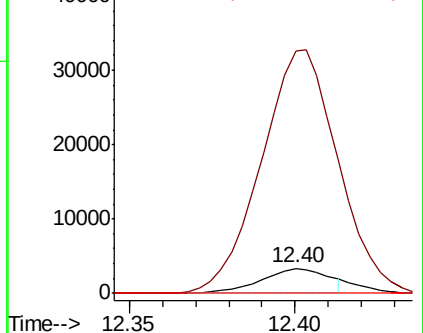
254 0.0 0.1 0.1#



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: VN053195.D

Acq: 24 Dec 2018 19:40

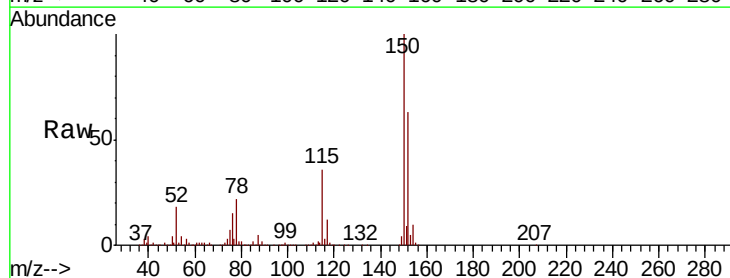
Tgt Ion:152 Resp: 713747

Ion Ratio Lower Upper

152 100

115 56.3 28.3 85.0

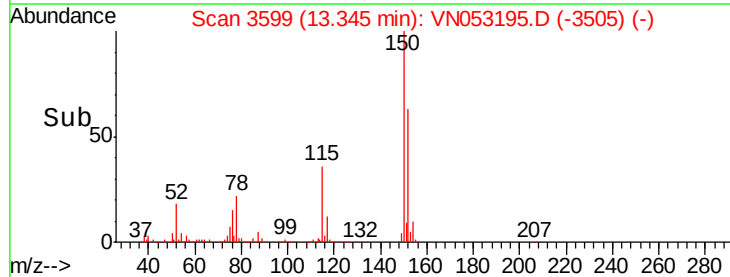
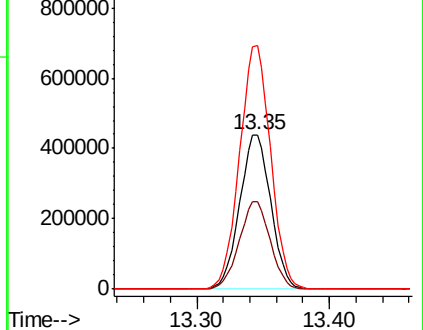
150 157.8 0.0 347.8

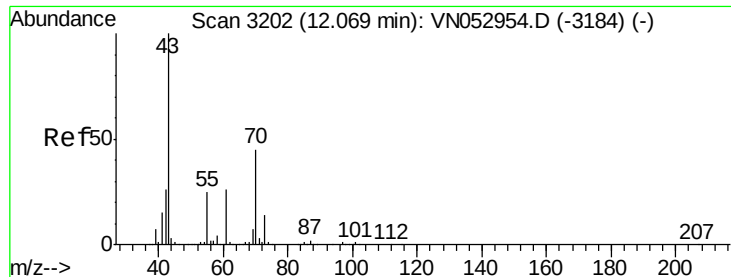


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

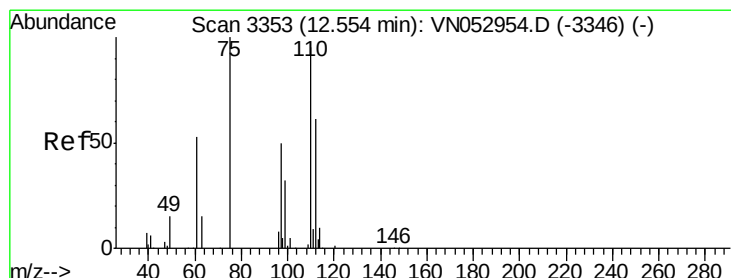
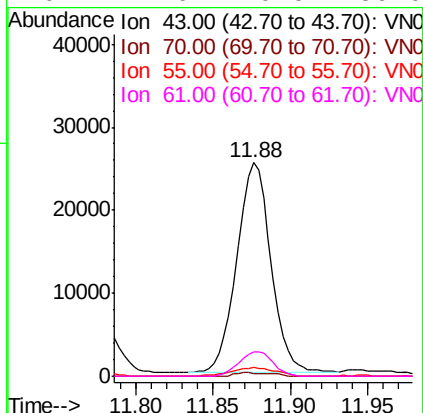
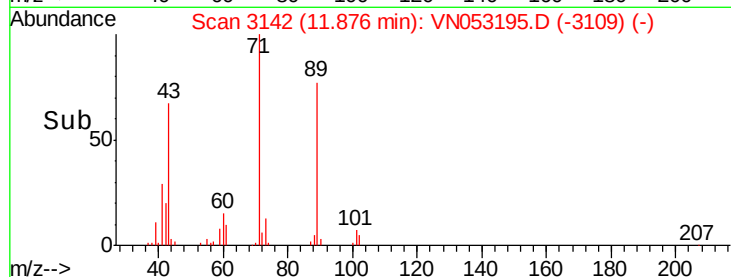
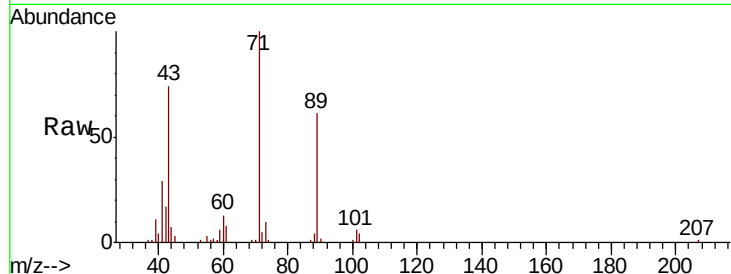




#74
N-amvl acetate
Concen: 2.494 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

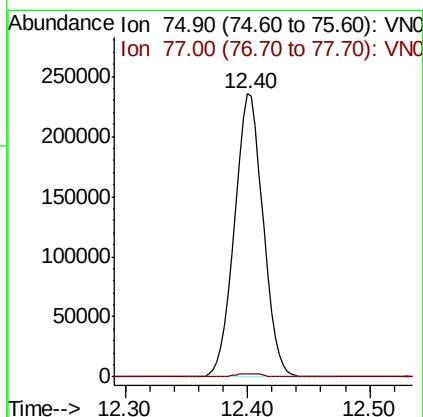
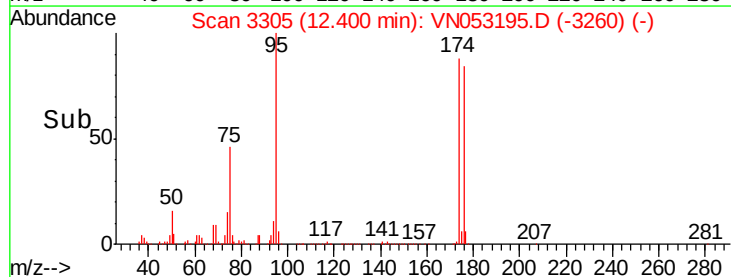
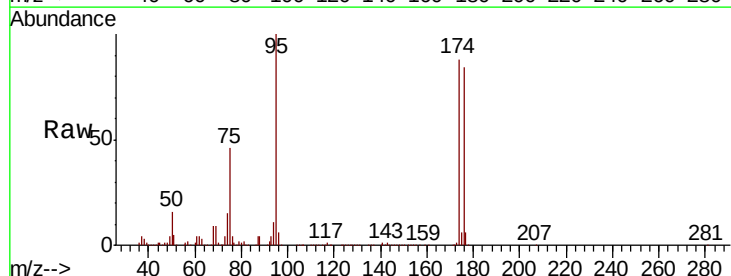
Instrument :
MSVOA_N
ClientSampleId :
SB-65(0-5)-GRAB

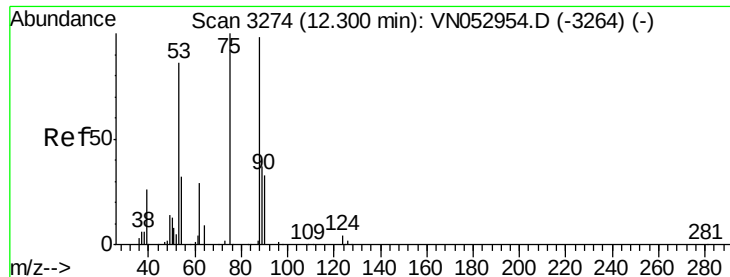
Tot Ion: 43 Resp: 38675
Ion Ratio Lower Upper
43 100
70 1.8 34.2 51.4#
55 5.4 20.3 30.5#
61 11.6 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 31.811 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053195.D
Acq: 24 Dec 2018 19:40

Tgt Ion: 75 Resp: 382213
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 102.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

Instrument :

MSVOA_N

ClientSampleId :

SB-65(0-5)-GRAB

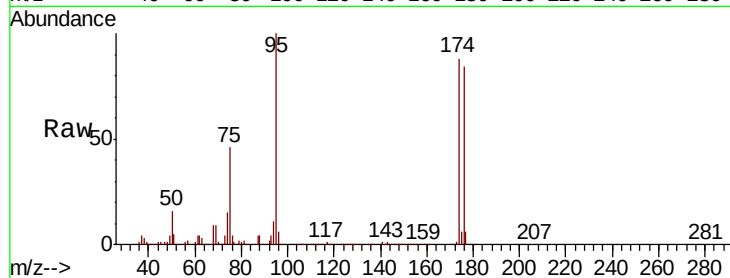
Tot Ion: 75 Resp: 382213

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

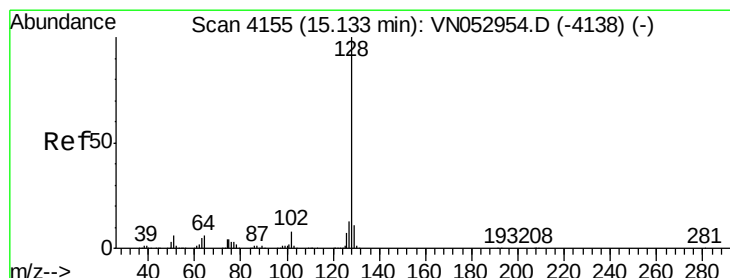
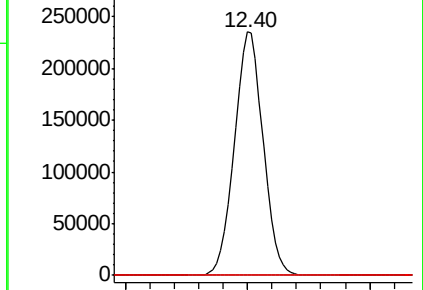
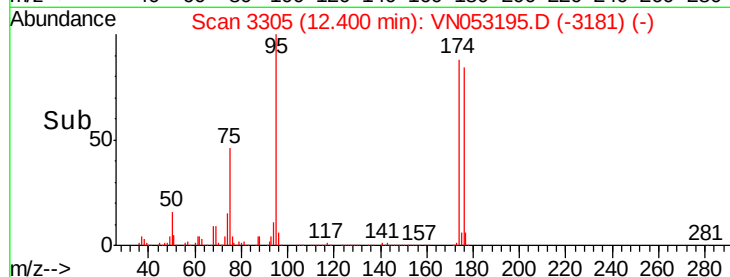
89 0.0 36.1 54.1#



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



#95

Naphthalene

Concen: 1.172 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053195.D

Acq: 24 Dec 2018 19:40

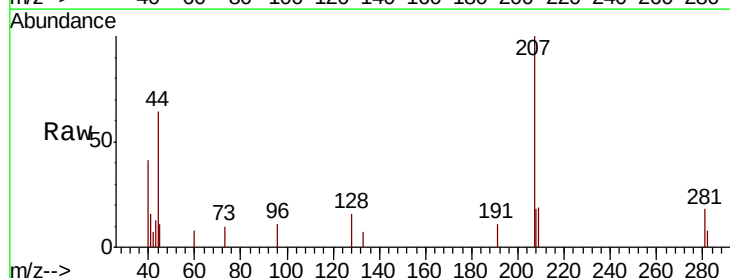
Tgt Ion:128 Resp: 730

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

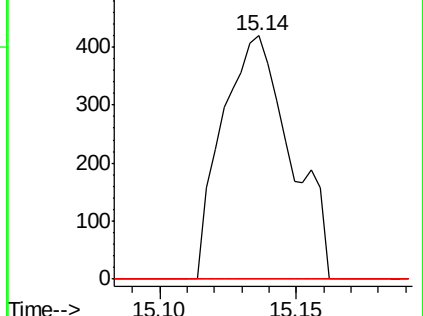
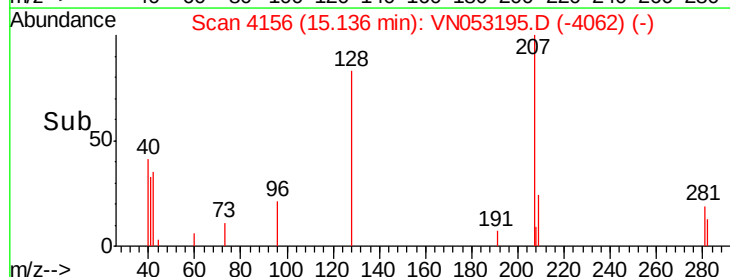
129 0.0 8.6 13.0#

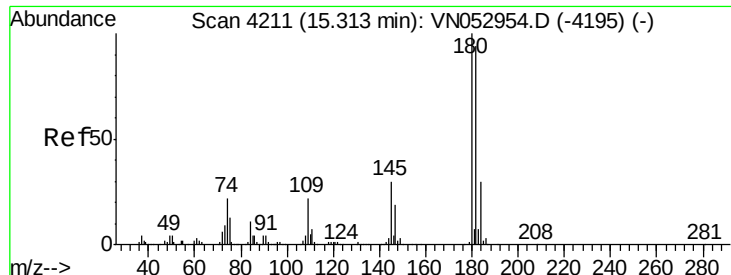


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

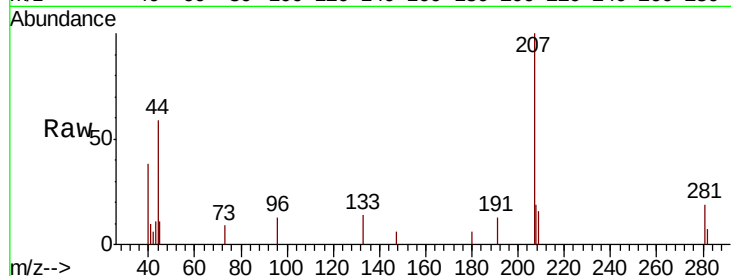




#96
 1,2,3-Trichlorobenzene
 Concen: 0.511 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053195.D
 Acq: 24 Dec 2018 19:40

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-65(0-5)-GRAB

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	0.0	15.0	45.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

