

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049824.D
 Acq On : 14 Jul 2018 3:48
 Operator : MD\SY
 Sample : J3947-27
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-1-OILY-WATER

Quant Time: Jul 14 04:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1213349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1987607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1618439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	577297	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	823041	58.31	ug/l	0.00
Spiked Amount			Recovery	=	116.62%	
35) Dibromofluoromethane	7.59	113	754137	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.09	98	2644580	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	710781	38.80	ug/l	0.00
Spiked Amount			Recovery	=	77.60%	

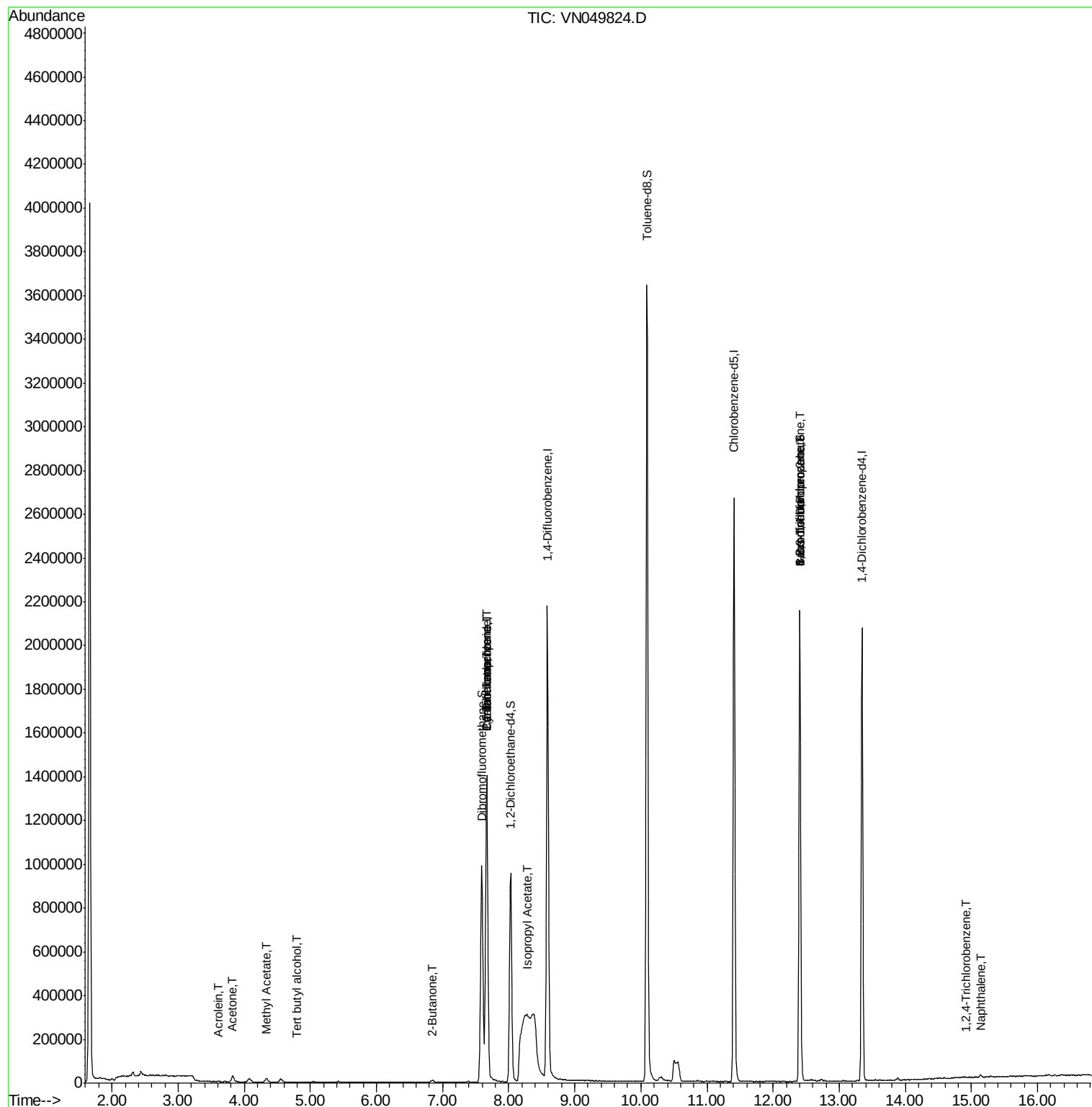
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2124	Below Cal		96
4) Vinyl Chloride	2.19	62	274	Below Cal	#	43
5) Bromomethane	2.58	94	702	Below Cal	#	80
11) Tert butyl alcohol	4.81	59	366	0.39	ug/l #	72
13) Acrolein	3.60	56	295	0.36	ug/l #	1
16) Acetone	3.82	43	46351	11.36	ug/l	99
17) Carbon Disulfide	4.05	76	7953	Below Cal	#	90
18) Methyl Acetate	4.33	43	30788	1.90	ug/l	99
20) Methylene Chloride	4.55	84	10564	Below Cal	#	77
25) 2-Butanone	6.84	43	9004	1.64	ug/l #	85
31) Cyclohexane	7.67	56	20253	0.67	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82588	3.61	ug/l #	48
38) Carbon Tetrachloride	7.67	117	108969	4.55	ug/l #	17
43) Isopropyl Acetate	8.27	43	722520	29.65	ug/l #	62
55) 1,1,2-Trichloroethane	10.55	97	277	Below Cal	#	28
71) Bromoform	12.40	173	6559	0.61	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	352329	34.35	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	352329	110.94	ug/l #	13
90) Hexachloroethane	13.93	117	32	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	103	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	334	2.92	ug/l #	85
95) Naphthalene	15.14	128	9541	4.37	ug/l #	93

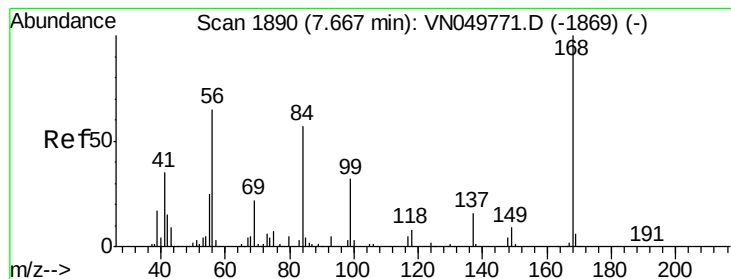
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 14 Jul 2018 3:48
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Instrument :
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PAR-1-OILY-WATER

Quant Time: Jul 14 04:16:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

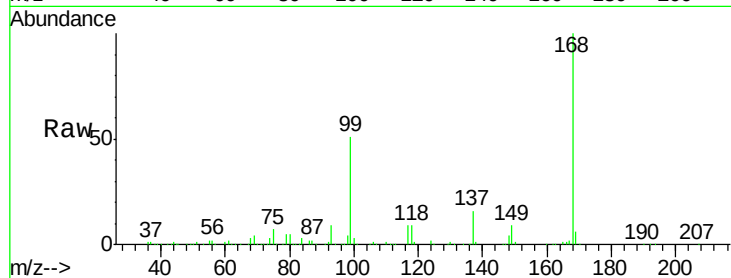
PAR-1-OILY-WATER

Tot Ion:168 Resp: 1213349

Ion Ratio Lower Upper

168 100

99 51.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

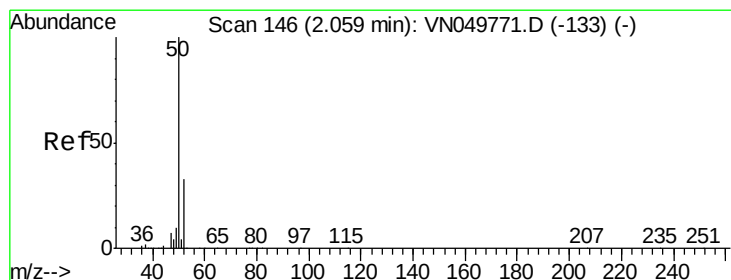
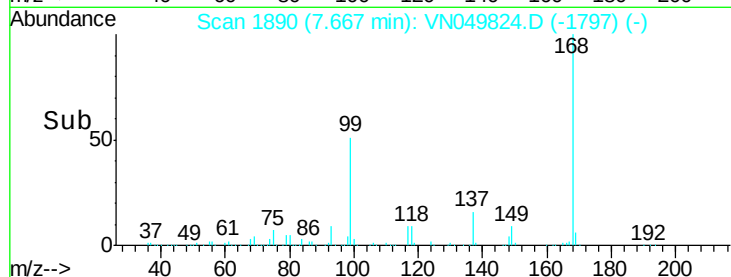
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049824.D

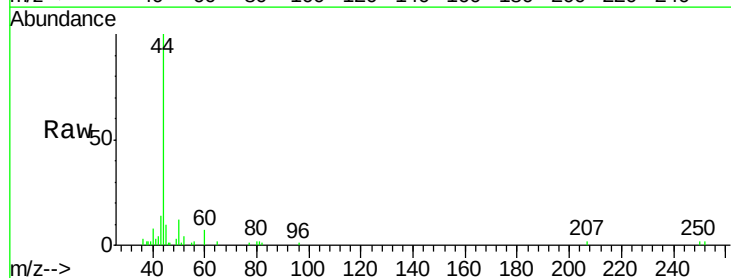
Acq: 14 Jul 2018 3:48

Tgt Ion: 50 Resp: 2124

Ion Ratio Lower Upper

50 100

52 34.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

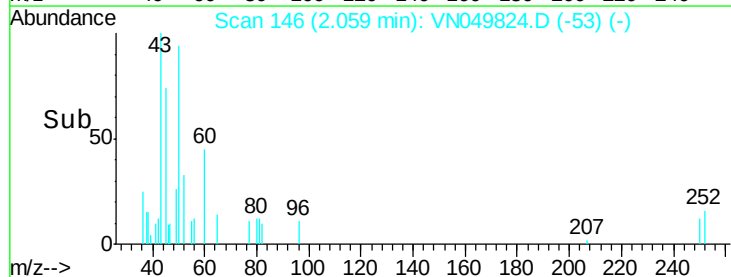
1500

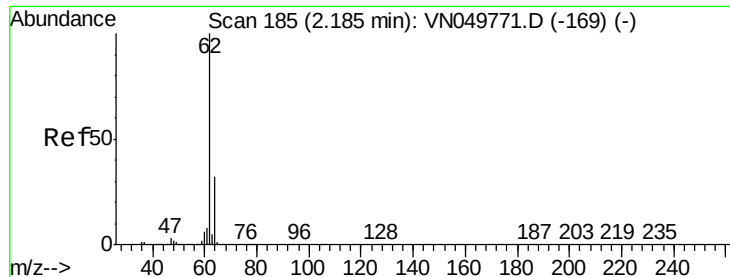
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 187

Delta R.T. 0.01 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

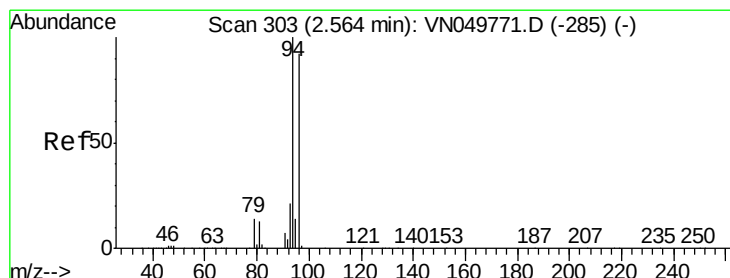
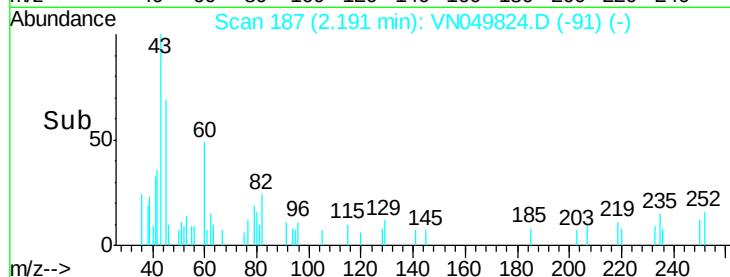
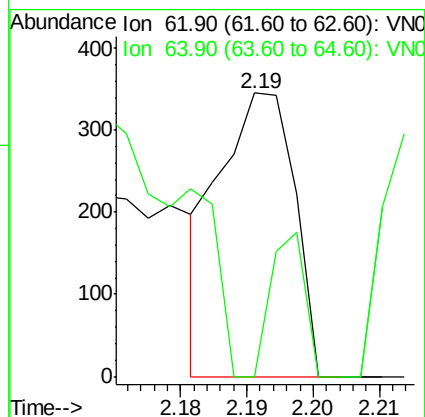
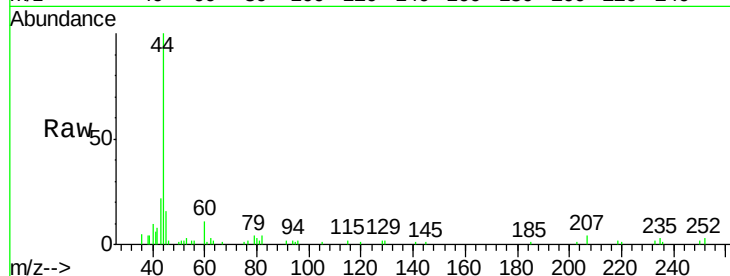
PAR-1-OILY-WATER

Tot Ion: 62 Resp: 274

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049824.D

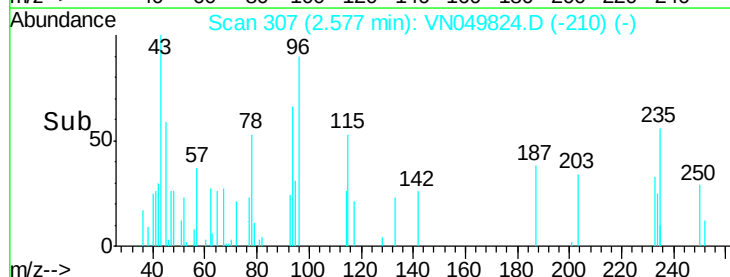
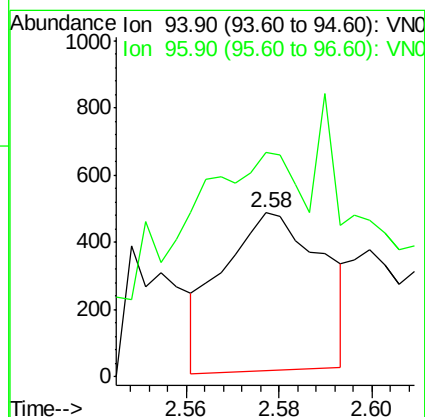
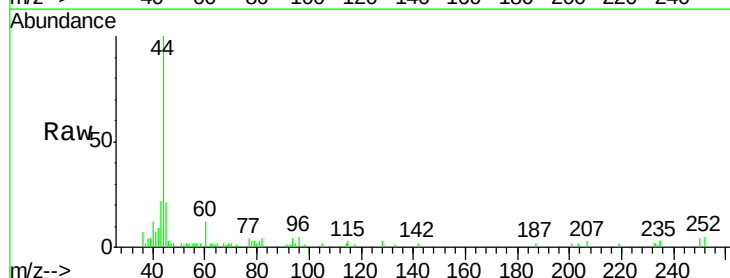
Acq: 14 Jul 2018 3:48

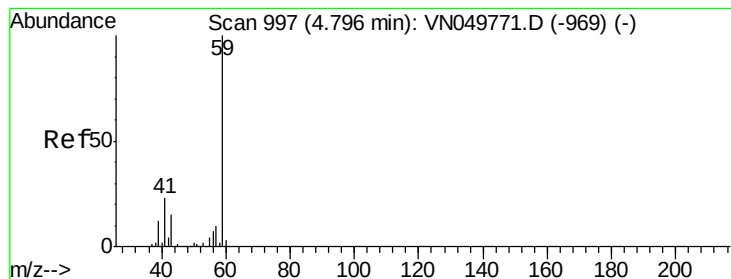
Tgt Ion: 94 Resp: 702

Ion Ratio Lower Upper

94 100

96 75.3 75.7 113.5#





#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

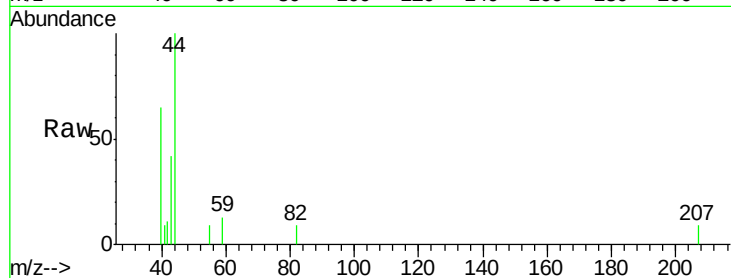
PAR-1-OILY-WATER

Tot Ion: 59 Resp: 366

Ion Ratio Lower Upper

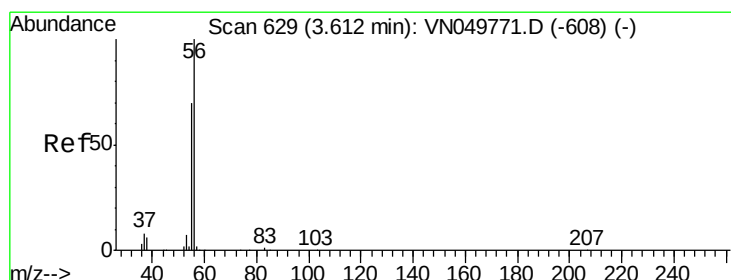
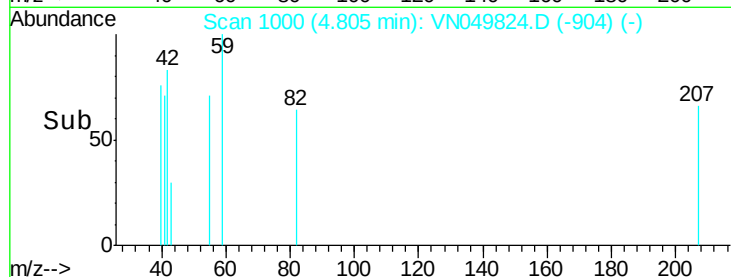
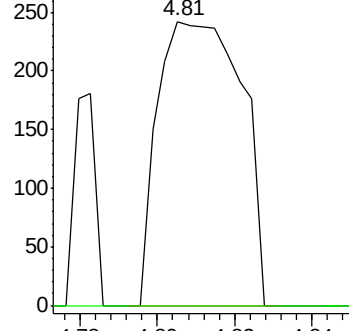
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 0.36 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN049824.D

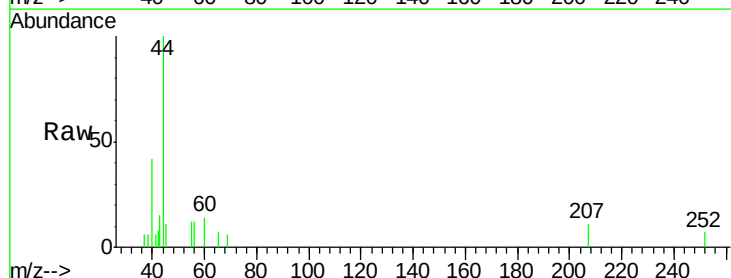
Acq: 14 Jul 2018 3:48

Tgt Ion: 56 Resp: 295

Ion Ratio Lower Upper

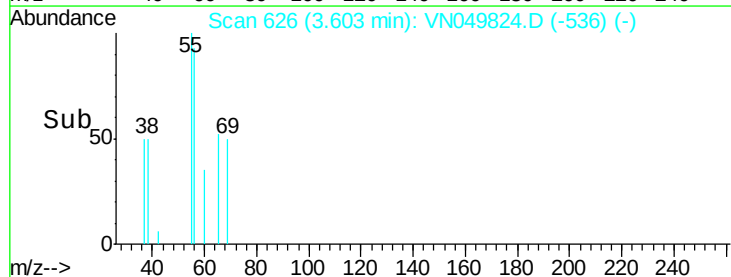
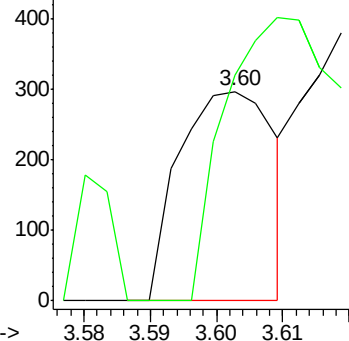
56 100

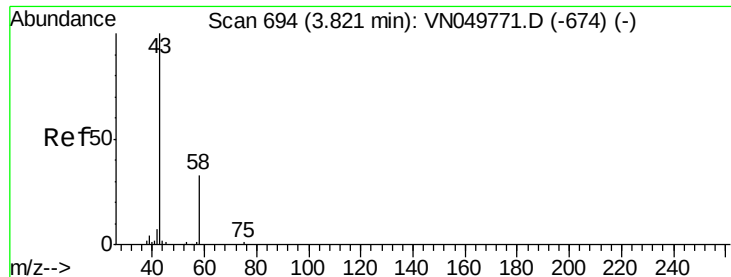
55 224.1 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 11.36 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

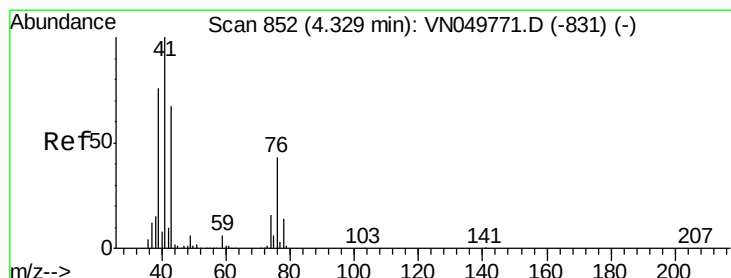
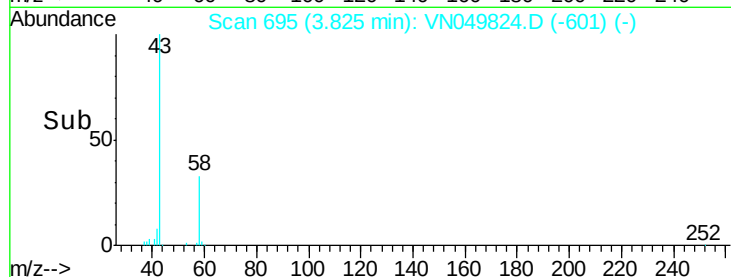
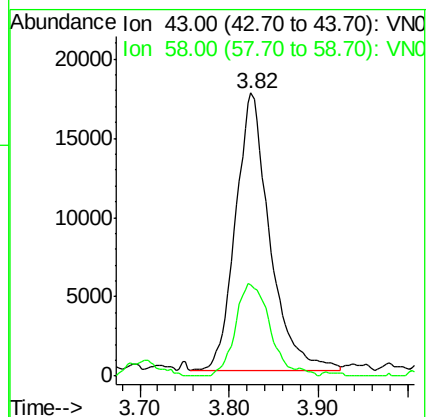
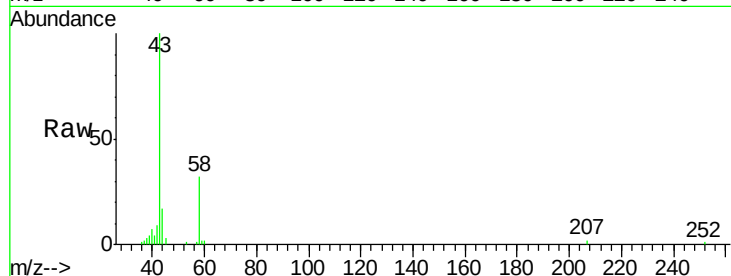
PAR-1-OILY-WATER

Tot Ion: 43 Resp: 46351

Ion Ratio Lower Upper

43 100

58 32.9 25.9 38.9



#18

Methyl Acetate

Concen: 1.90 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049824.D

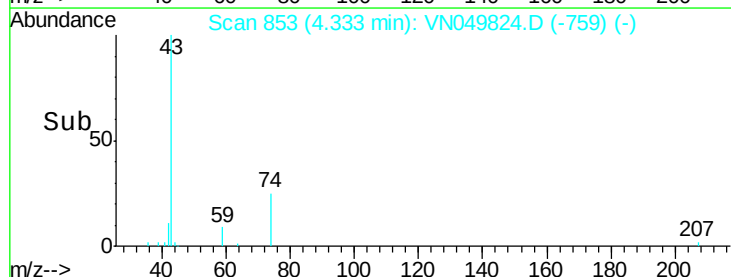
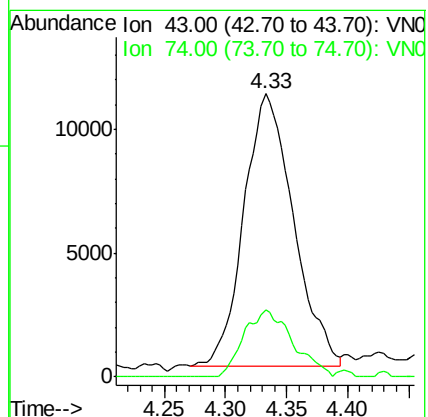
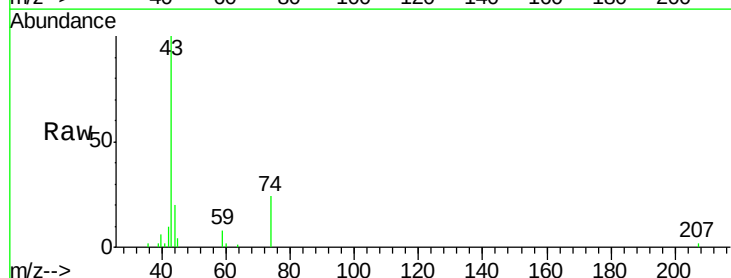
Acq: 14 Jul 2018 3:48

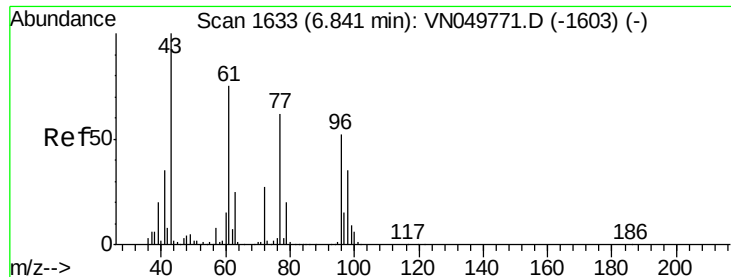
Tgt Ion: 43 Resp: 30788

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8

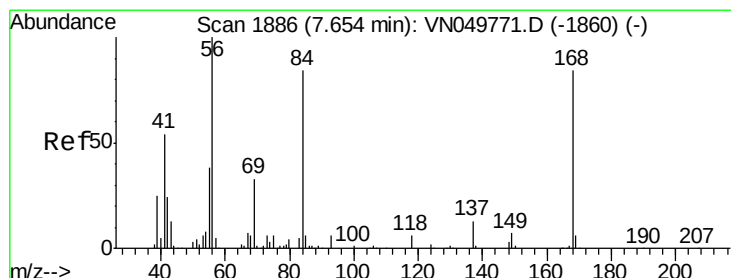
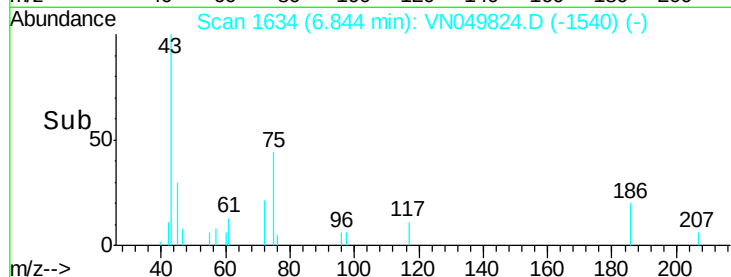
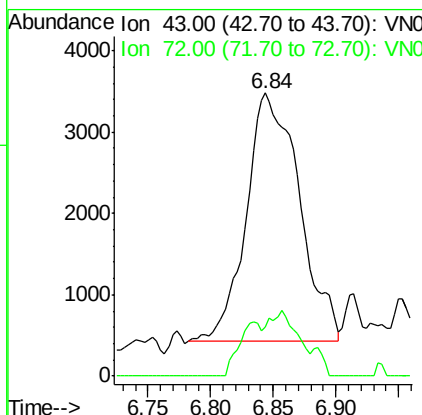
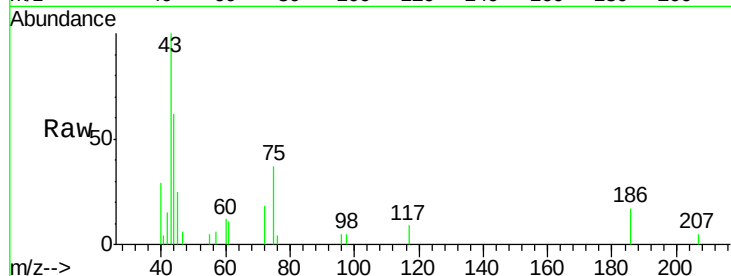




#25
2-Butanone
Concen: 1.64 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049824.D
Acq: 14 Jul 2018 3:48

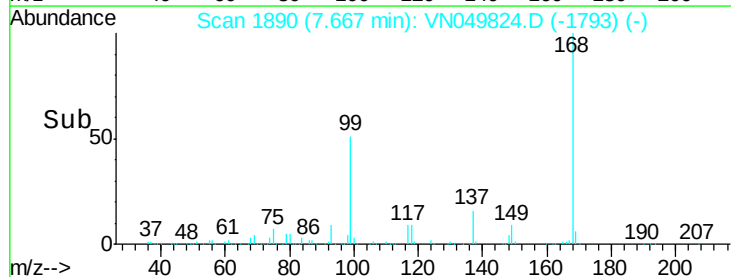
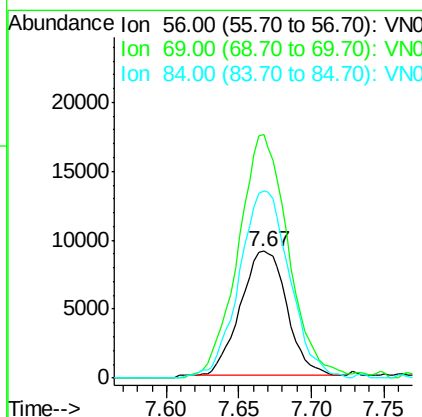
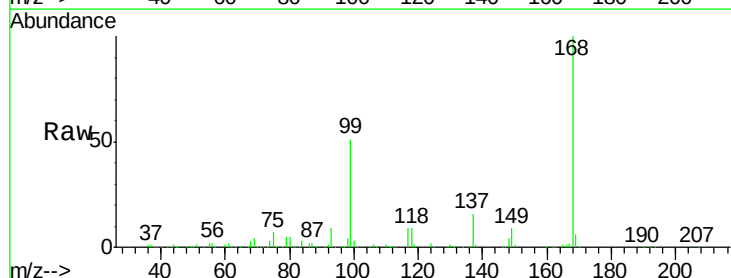
Instrument :
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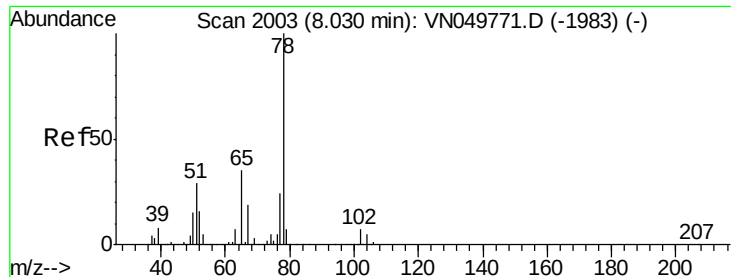
Tot Ion: 43 Resp: 9004
Ion Ratio Lower Upper
43 100
72 19.9 22.1 33.1#



#31
Cyclohexane
Concen: 0.67 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049824.D
Acq: 14 Jul 2018 3:48

Tgt Ion: 56 Resp: 20253
Ion Ratio Lower Upper
56 100
69 193.4 26.6 40.0#
84 148.1 69.0 103.6#

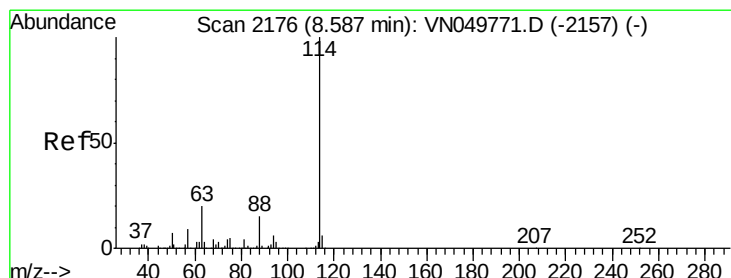
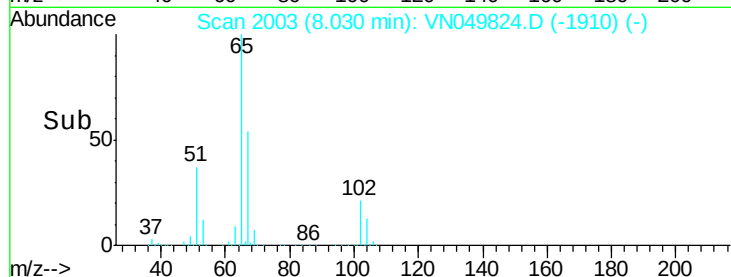
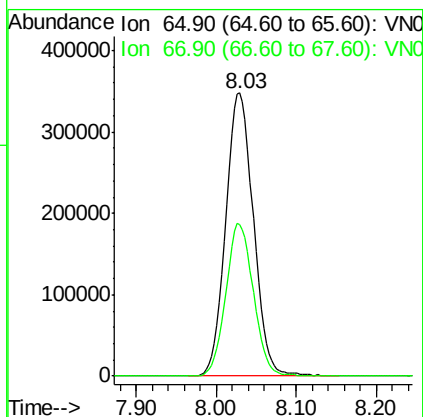
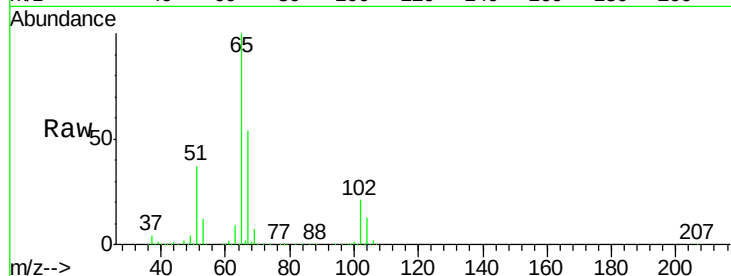




#33
 1,2-Dichloroethane-d4
 Concen: 58.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN049824.D
 Acq: 14 Jul 2018 3:48

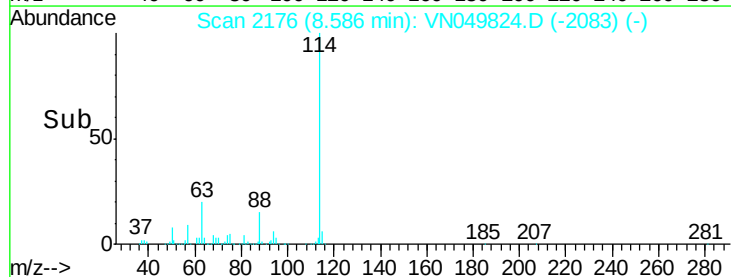
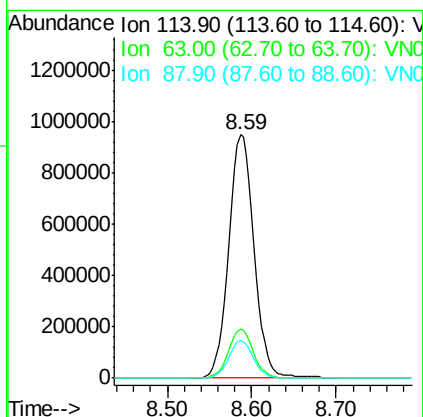
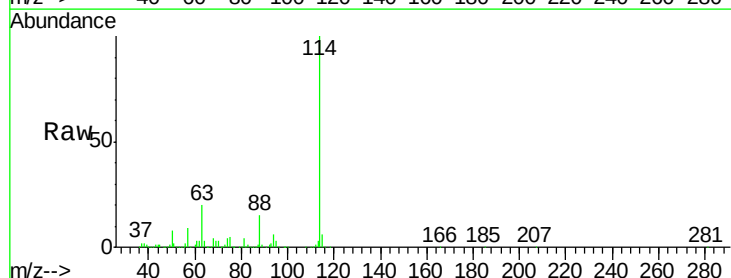
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 PAR-1-OILY-WATER

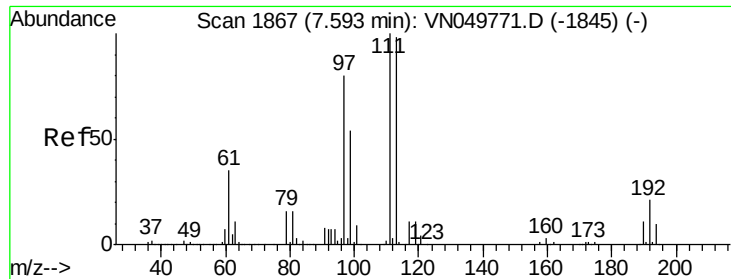
Tot Ion: 65 Resp: 823041
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049824.D
 Acq: 14 Jul 2018 3:48

Tgt Ion: 114 Resp: 1987607
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.4 0.0 30.6

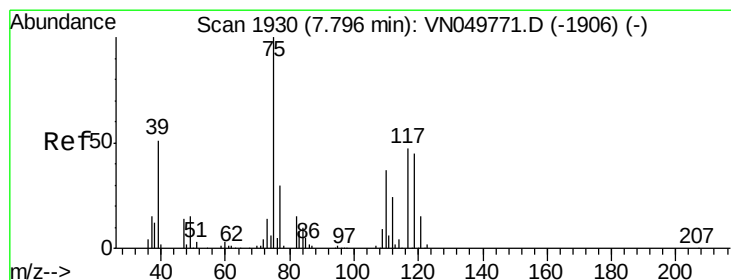
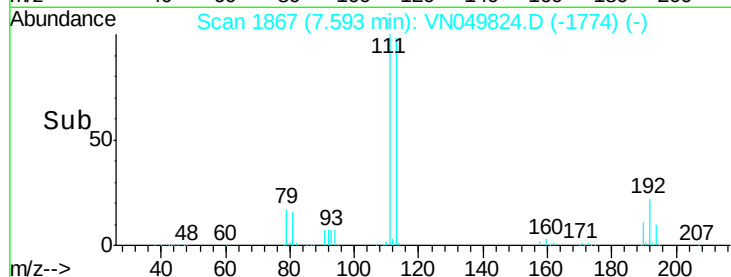
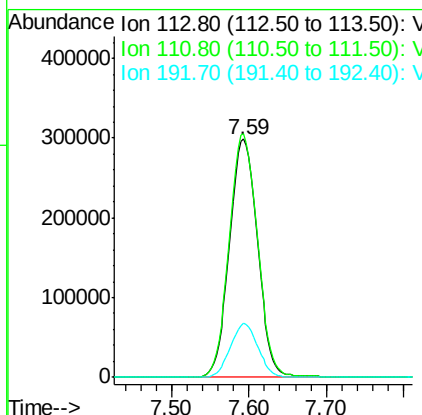
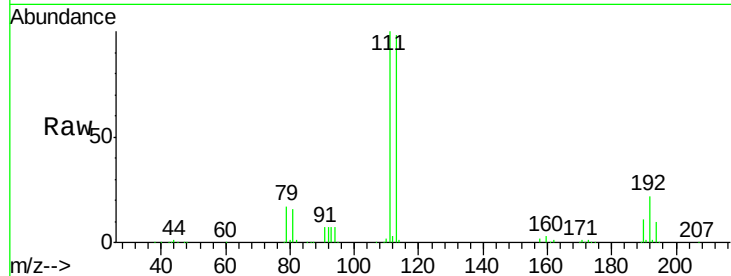




#35
Dibromofluoromethane
Concen: 50.34 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049824.D
Acq: 14 Jul 2018 3:48

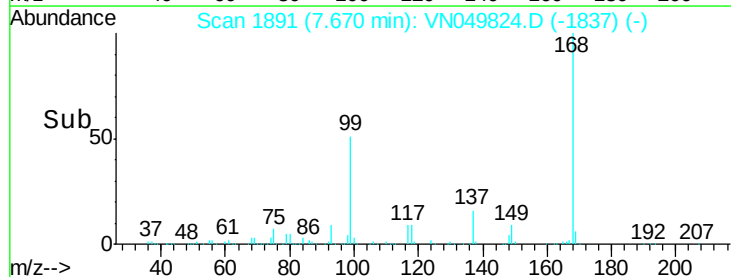
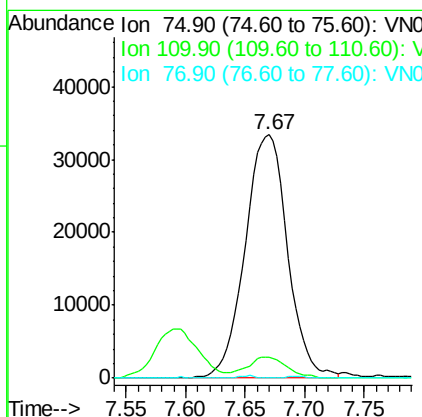
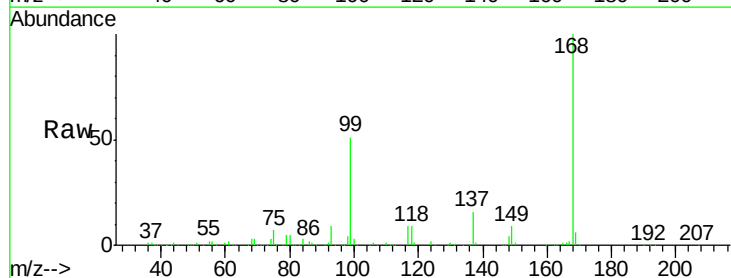
Instrument :
MSVOA_N
ClientSampleId :
PAR-1-OILY-WATER

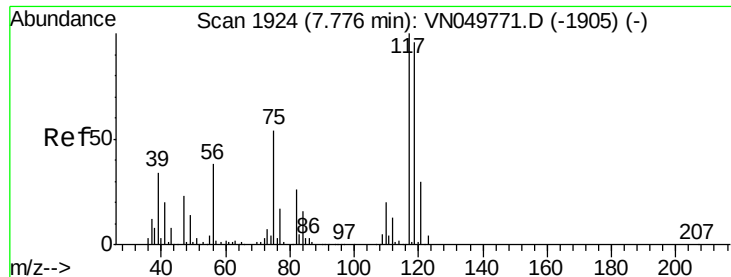
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	22.1	17.8	26.6



#36
1,1-Dichloropropene
Concen: 3.61 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.13 min
Lab File: VN049824.D
Acq: 14 Jul 2018 3:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.4#
77	0.3	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.55 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

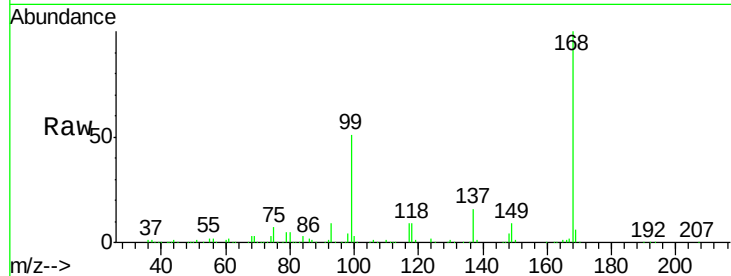
Tot Ion:117 Resp: 108969

Ion Ratio Lower Upper

117 100

119 6.2 77.2 115.8#

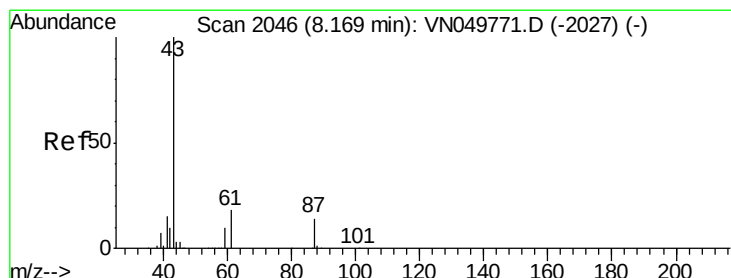
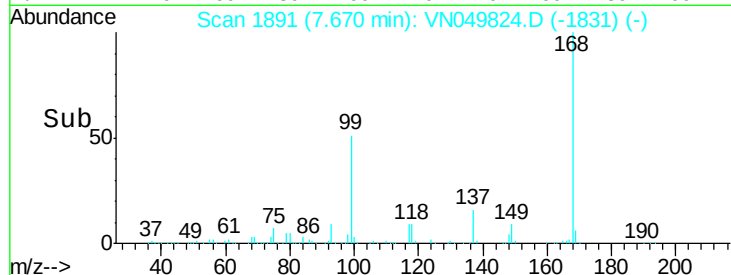
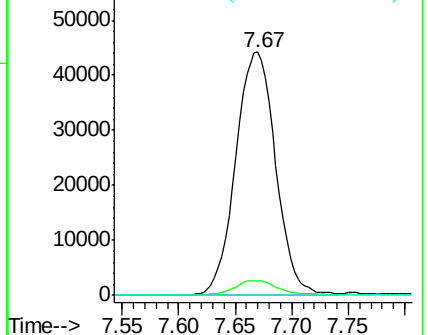
121 0.0 25.0 37.6#



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: 29.65 ug/l

RT: 8.27 min Scan# 2079

Delta R.T. 0.11 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

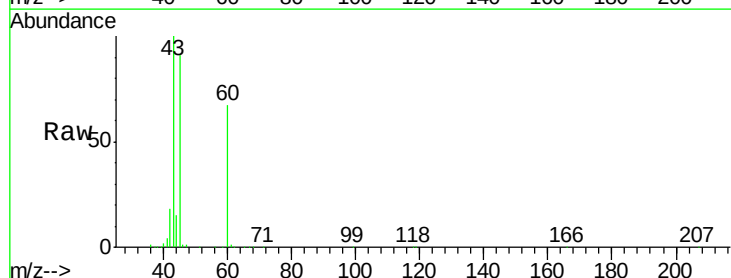
Tgt Ion: 43 Resp: 722520

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

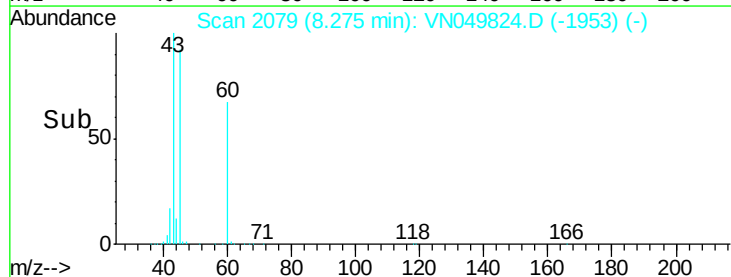
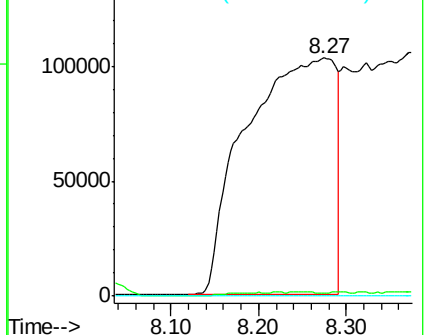
87 0.0 10.0 15.0#

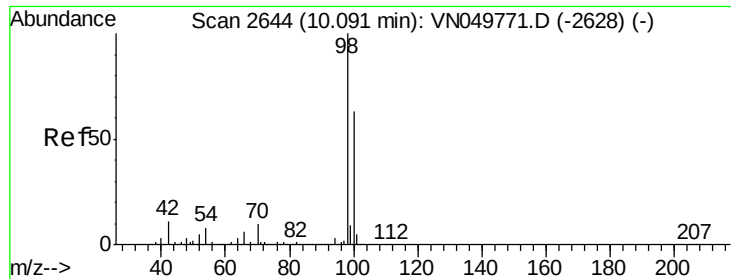


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.57 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

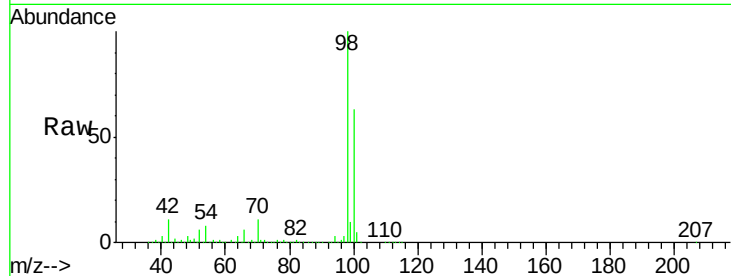
PAR-1-OILY-WATER

Tot Ion: 98 Resp: 2644580

Ion Ratio Lower Upper

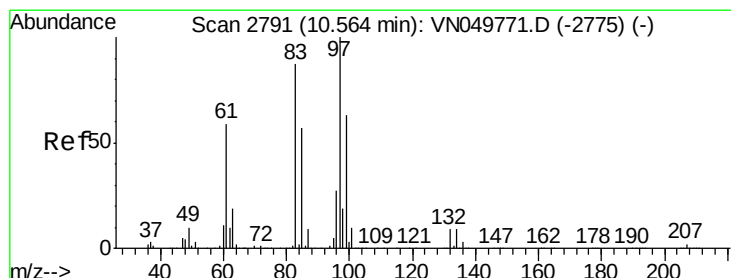
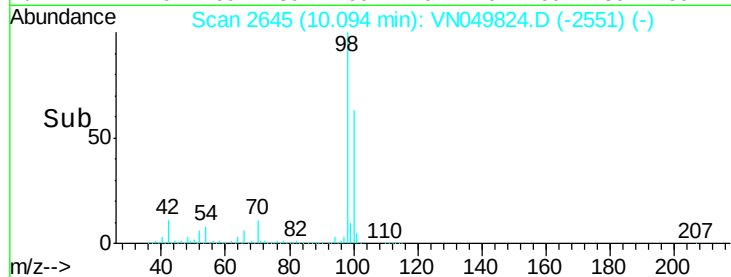
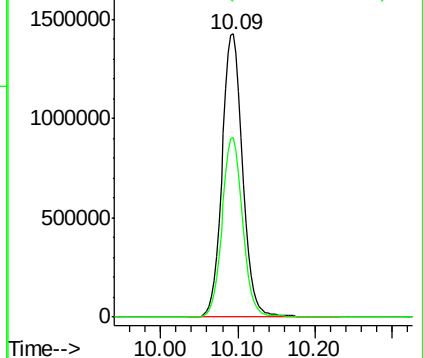
98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.55 min Scan# 2787

Delta R.T. -0.01 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Tgt Ion: 97 Resp: 277

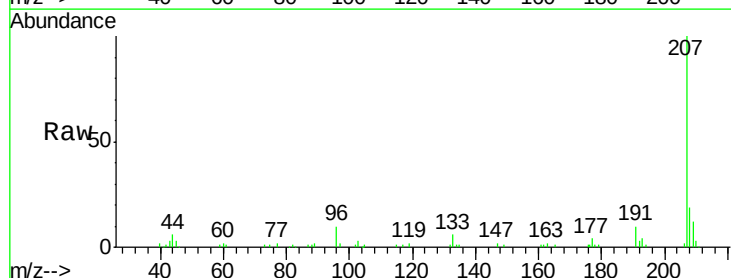
Ion Ratio Lower Upper

97 100

83 29.0 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#

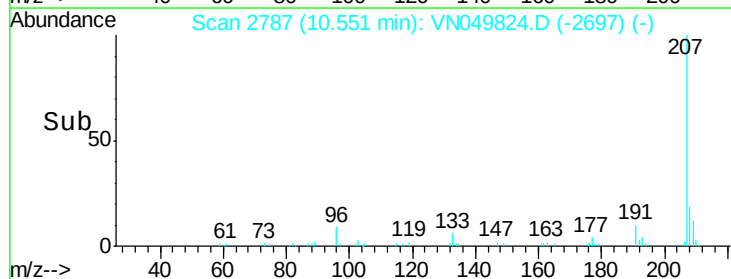
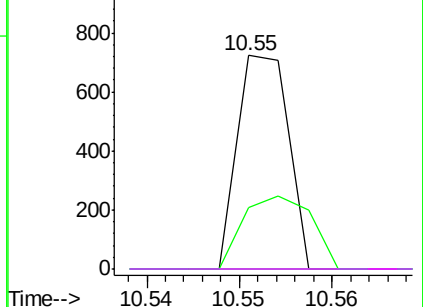


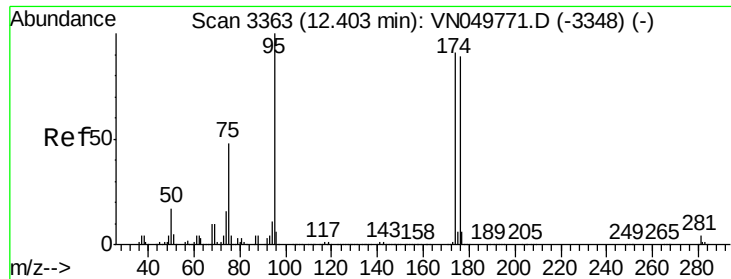
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#62

4-Bromofluorobenzene

Concen: 38.80 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

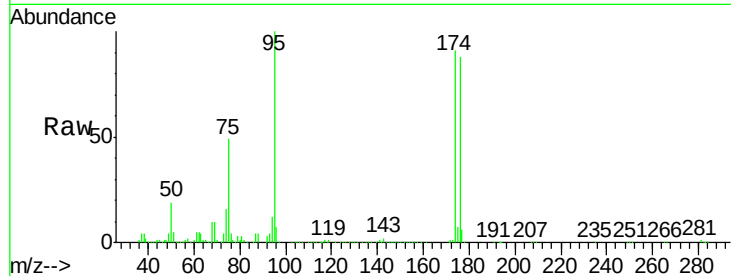
Tot Ion: 95 Resp: 710781

Ion Ratio Lower Upper

95 100

174 92.1 0.0 179.6

176 88.4 0.0 174.0



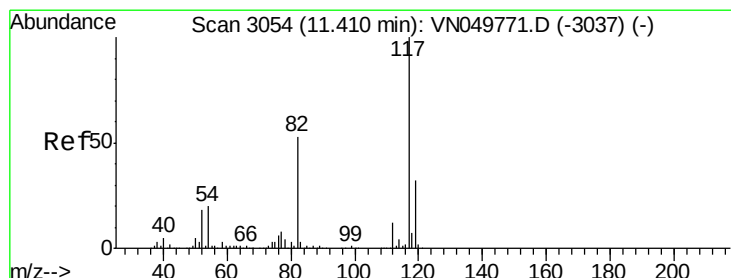
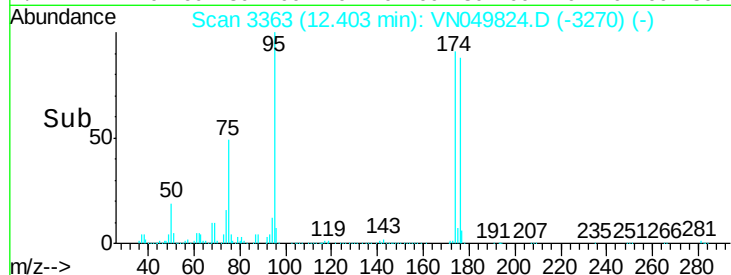
Abundance Ion 94.90 (94.60 to 95.60): VN049771.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049771.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049771.D (-3348) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

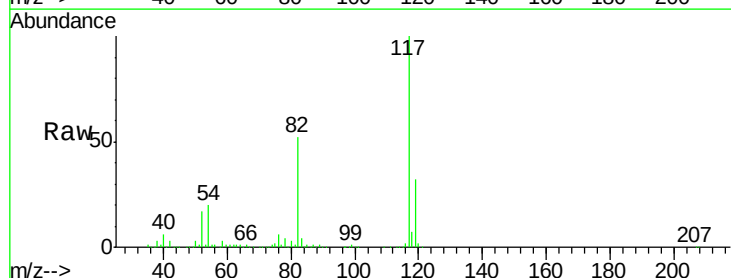
Tgt Ion: 117 Resp: 1618439

Ion Ratio Lower Upper

117 100

82 52.4 41.9 62.9

119 32.1 25.4 38.2



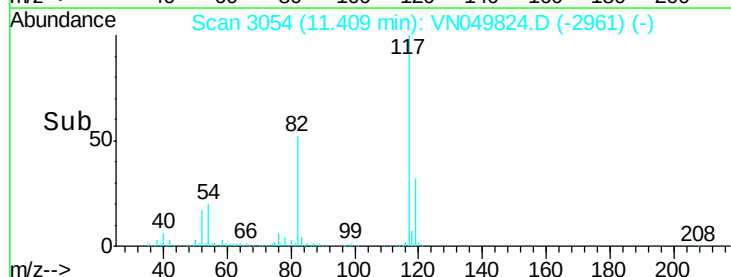
Abundance Ion 116.90 (116.60 to 117.60): VN049771.D (-3037) (-)

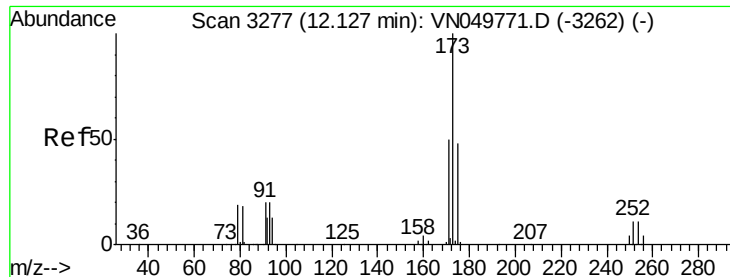
Ion 82.00 (81.70 to 82.70): VN049771.D (-3037) (-)

Ion 118.90 (118.60 to 119.60): VN049771.D (-3037) (-)

11.41

Time-->





#71

Bromoform

Concen: 0.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

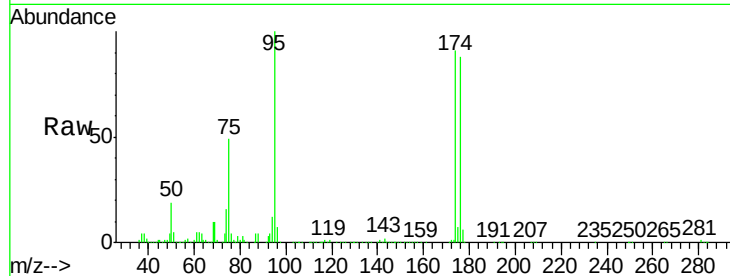
Tot Ion:173 Resp: 6559

Ion Ratio Lower Upper

173 100

175 591.3 24.6 73.8#

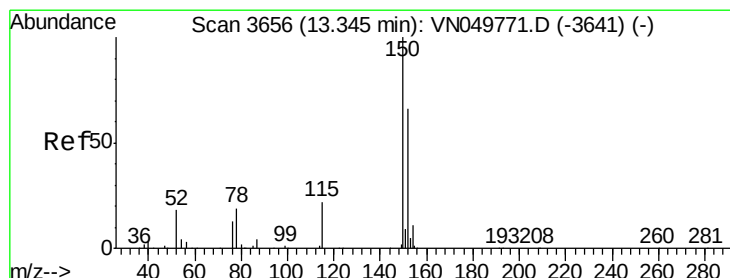
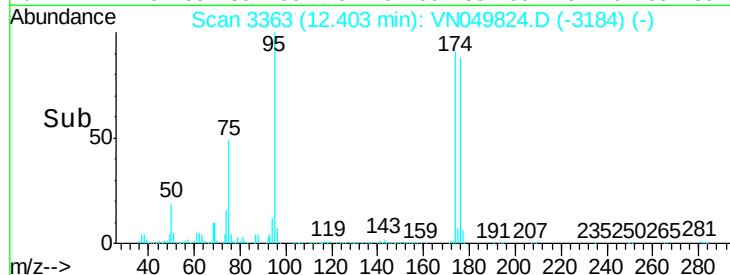
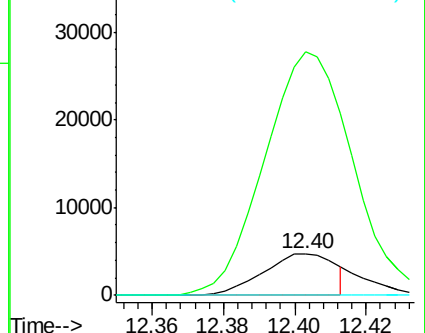
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

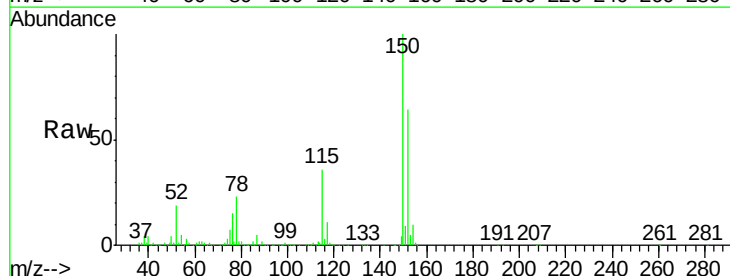
Tgt Ion:152 Resp: 577297

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

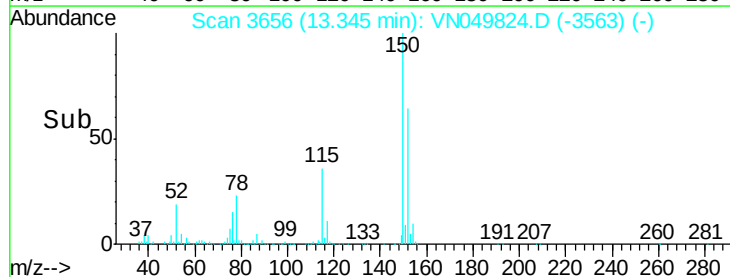
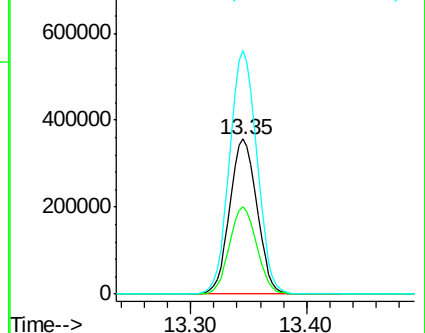
150 157.8 0.0 347.6

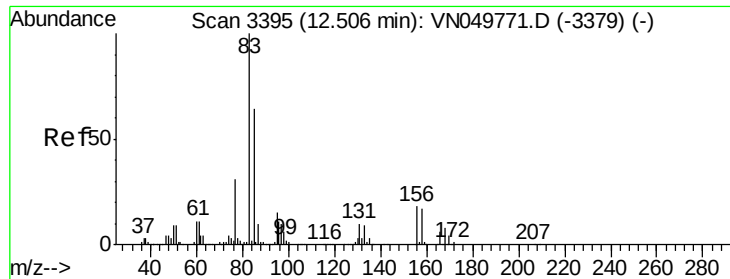


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

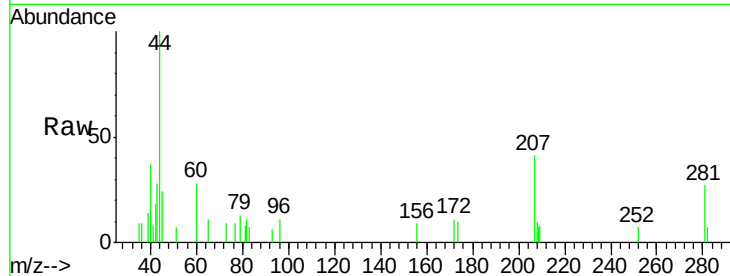




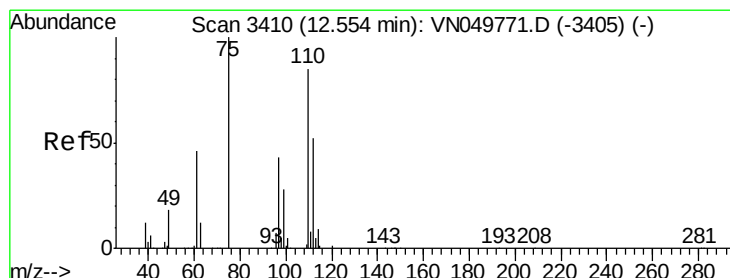
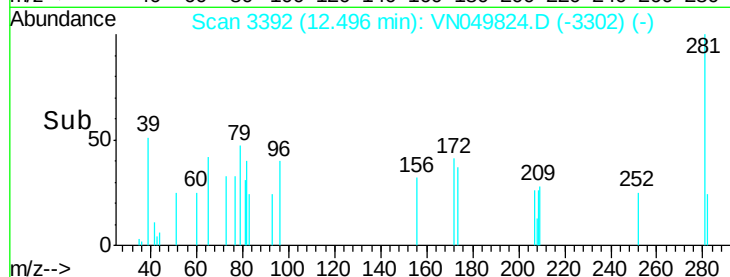
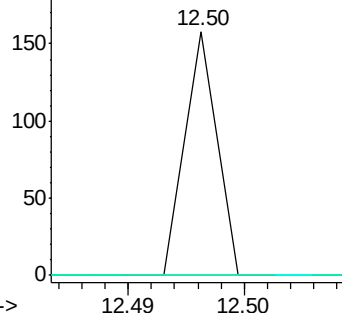
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.50 min Scan# 3392
 Delta R.T. -0.01 min
 Lab File: VN049824.D
 Acq: 14 Jul 2018 3:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-1-OILY-WATER

Tot Ion: 83 Resp: 30
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 0.0 32.5 97.4#

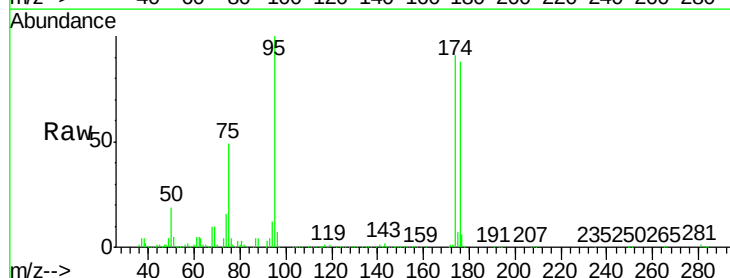


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 130.80 (130.50 to 131.50): VN0
 Ion 84.90 (84.60 to 85.60): VN0

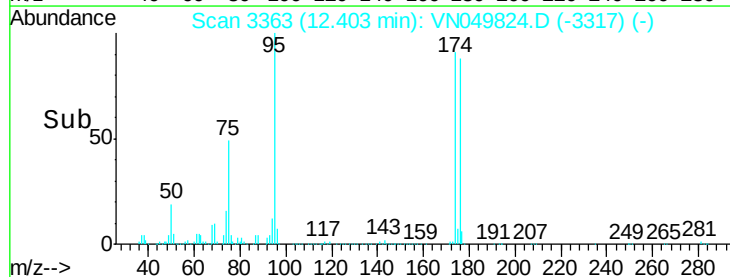
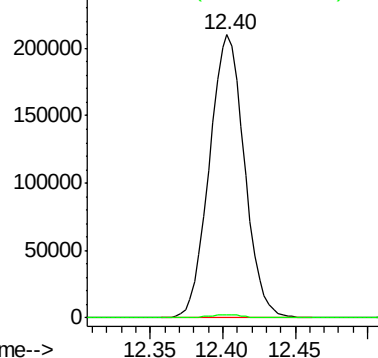


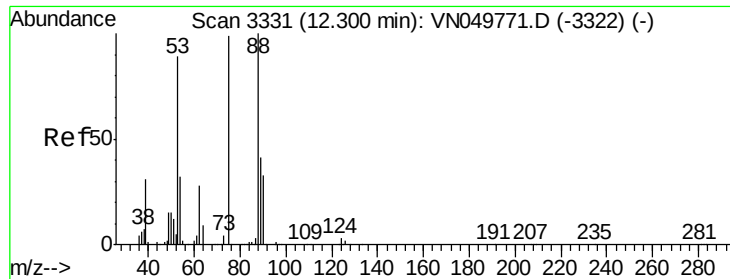
#76
 1,2,3-Trichloropropane
 Concen: 34.35 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049824.D
 Acq: 14 Jul 2018 3:48

Tgt Ion: 75 Resp: 352329
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

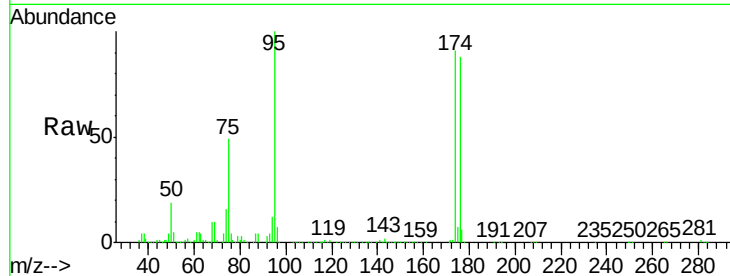
Tot Ion: 75 Resp: 352329

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

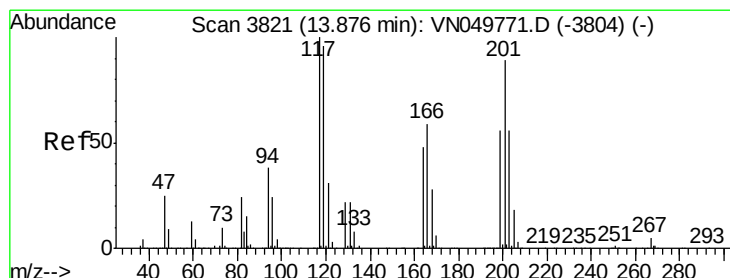
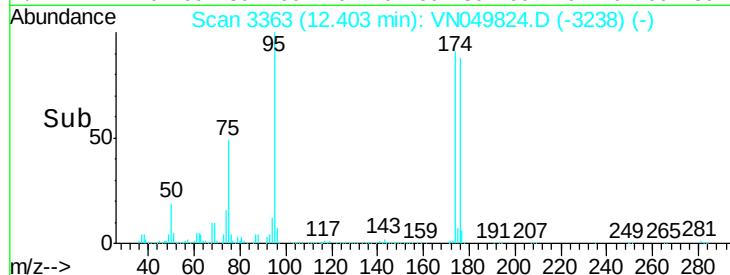
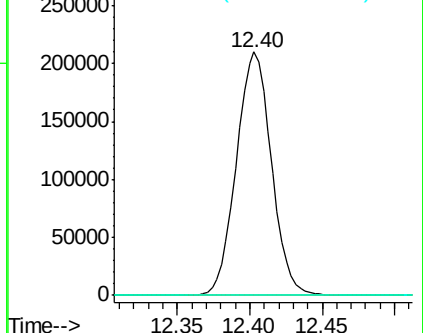
89 0.0 35.9 53.9#



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



#90

Hexachloroethane

Concen: Below Cal

RT: 13.93 min Scan# 3837

Delta R.T. 0.05 min

Lab File: VN049824.D

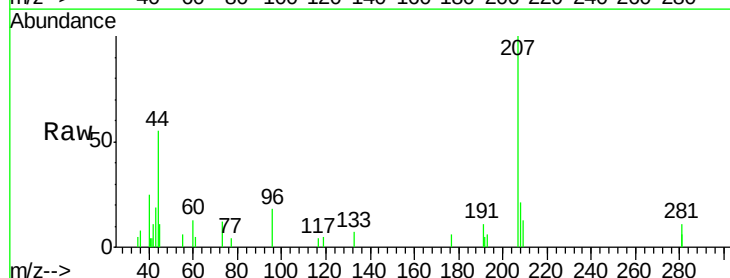
Acq: 14 Jul 2018 3:48

Tgt Ion: 117 Resp: 32

Ion Ratio Lower Upper

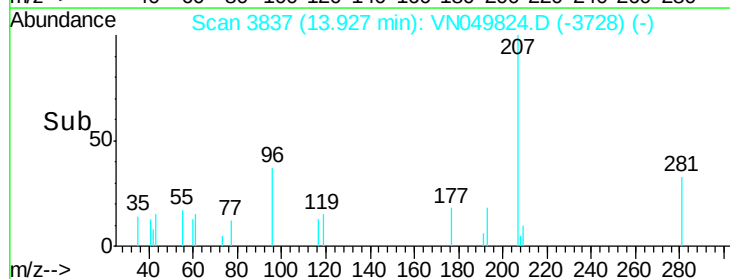
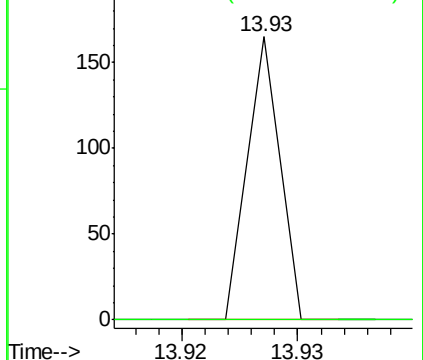
117 100

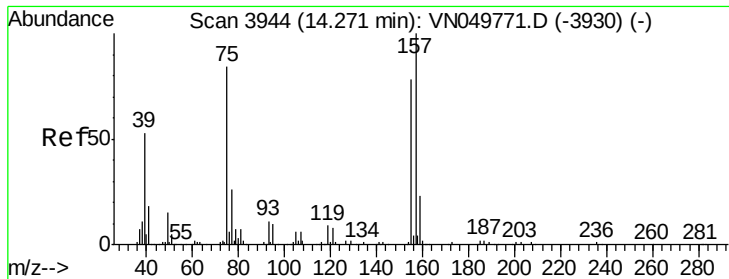
201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

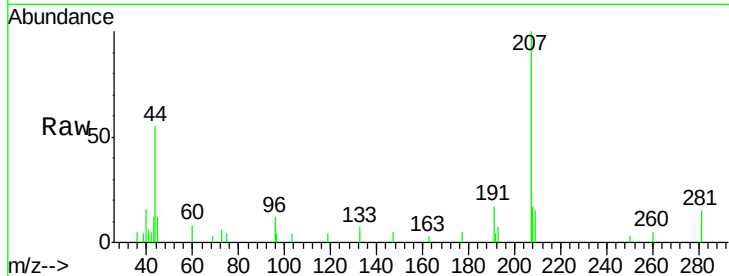
Tot Ion: 75 Resp: 103

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

157 0.0 56.9 170.7#

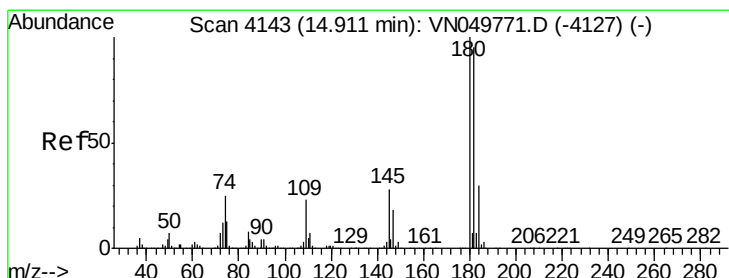
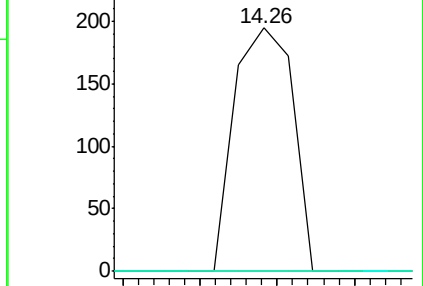
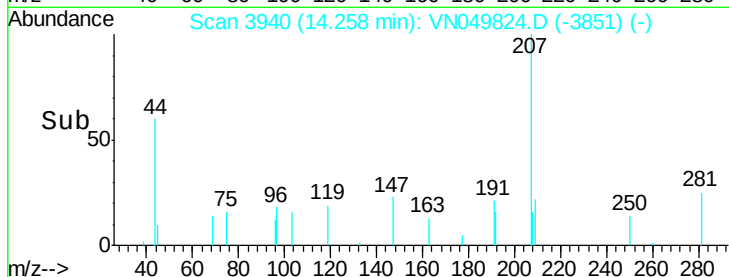


Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049771.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049771.D (-3930) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.92 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049824.D

Acq: 14 Jul 2018 3:48

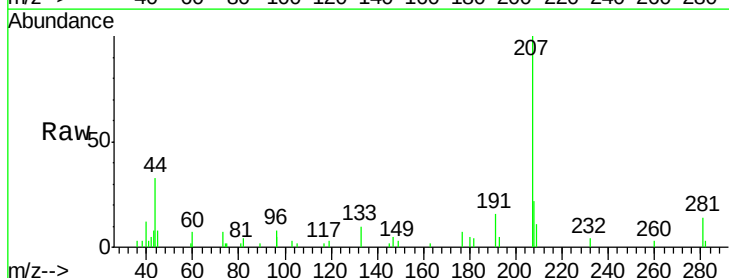
Tgt Ion: 180 Resp: 334

Ion Ratio Lower Upper

180 100

182 89.2 47.3 141.9

145 52.1 14.4 43.0#

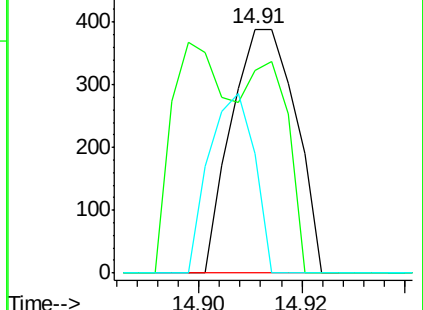
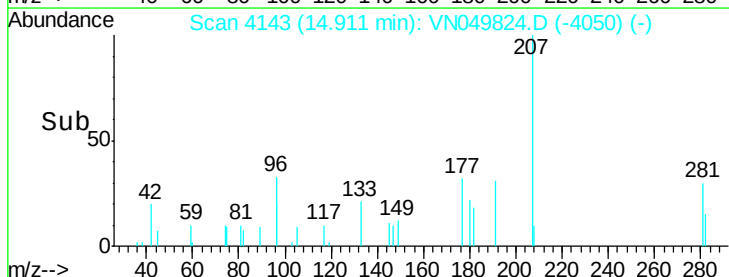


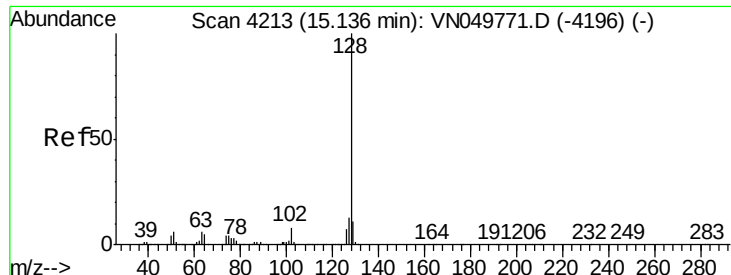
Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049771.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049771.D (-4127) (-)

Time-->

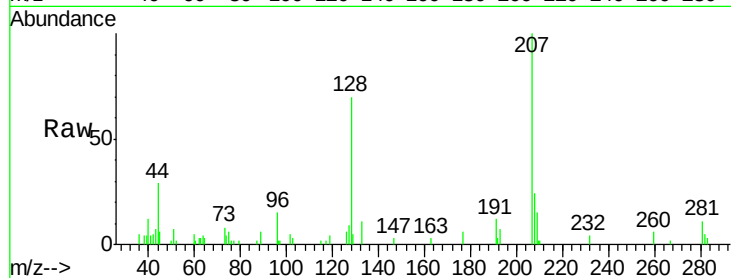




#95
Naphthalene
Concen: 4.37 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN049824.D
Acq: 14 Jul 2018 3:48

Instrument :
MSVOA_N
ClientSampleId :
PAR-1-OILY-WATER

Tot Ion:128 Resp: 9541
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 5.2 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

