

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049825.D
 Acq On : 14 Jul 2018 4:14
 Operator : MD\SY
 Sample : J3947-28
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Jul 14 05:04:03 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	1145350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1867707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1508832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	530859	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	788907	59.21	ug/l	0.00
Spiked Amount			Recovery	=	118.42%	
35) Dibromofluoromethane	7.59	113	723402	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.09	98	2510810	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	653455	37.97	ug/l	0.00
Spiked Amount			Recovery	=	75.94%	

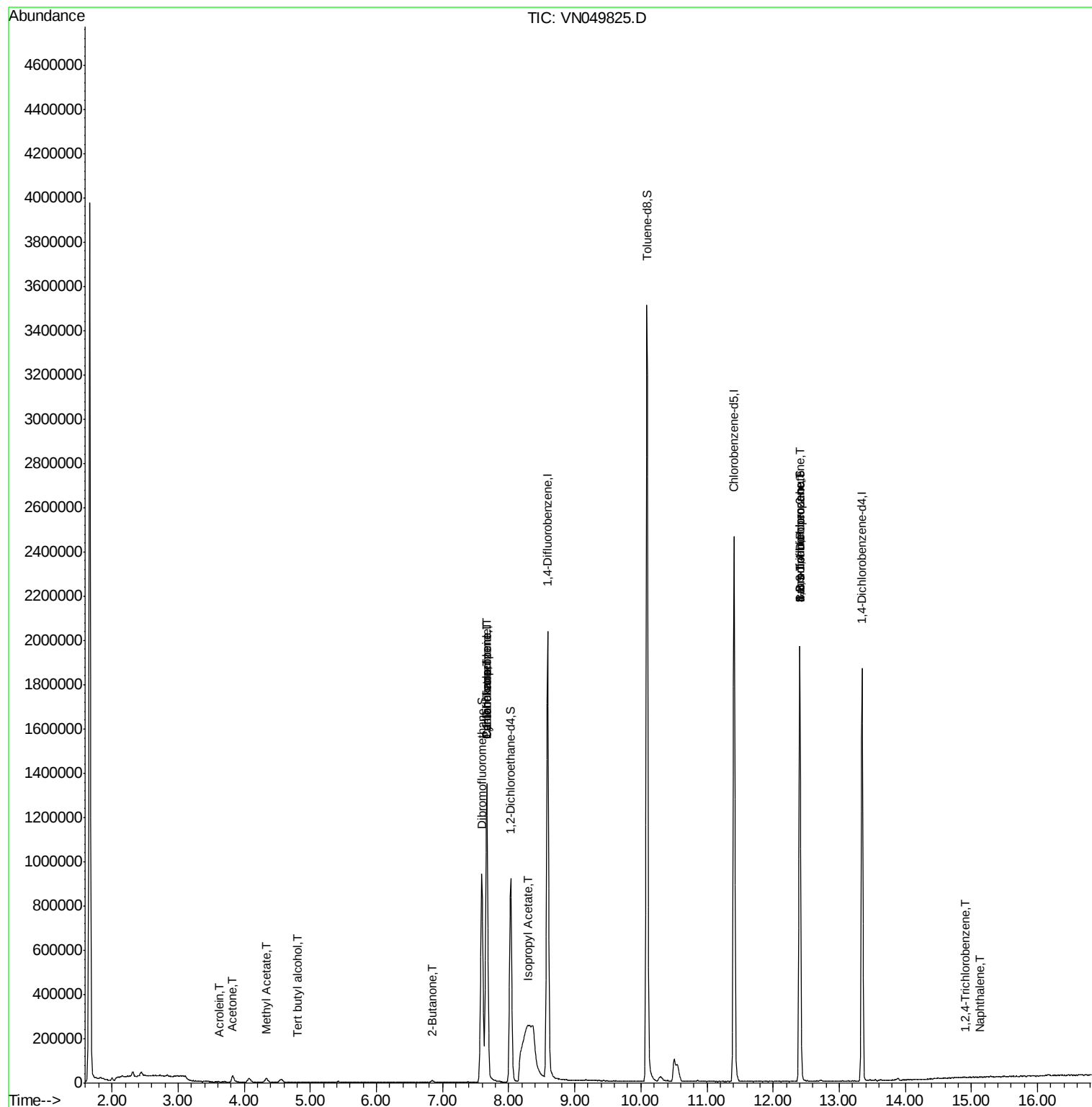
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.86	85	105	Below Cal	#	44
3) Chloromethane	2.06	50	1981	Below Cal		91
4) Vinyl Chloride	2.18	62	151	Below Cal	#	43
5) Bromomethane	2.56	94	122	Below Cal	#	78
11) Tert butyl alcohol	4.80	59	413	0.46	ug/l	# 72
13) Acrolein	3.62	56	886	1.13	ug/l	84
16) Acetone	3.82	43	45833	12.00	ug/l	98
17) Carbon Disulfide	4.05	76	6924	Below Cal	#	86
18) Methyl Acetate	4.33	43	31640	2.14	ug/l	99
20) Methylene Chloride	4.55	84	10261	Below Cal	#	86
25) 2-Butanone	6.84	43	4822	0.93	ug/l	97
31) Cyclohexane	7.67	56	22058	0.81	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	80402	3.74	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	105886	4.71	ug/l	# 16
43) Isopropyl Acetate	8.28	43	489131	21.36	ug/l	# 62
55) 1,1,2-Trichloroethane	10.55	97	1220	Below Cal	#	15
71) Bromoform	12.40	173	5122	0.51	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	485	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	318183	33.74	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	318183	108.96	ug/l	# 13
90) Hexachloroethane	13.88	117	64	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.29	75	73	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	109	2.90	ug/l	# 29
95) Naphthalene	15.13	128	1300	4.08	ug/l	# 69

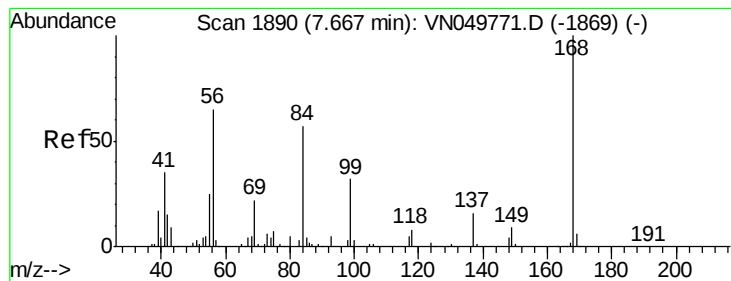
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Quant Method : Z:\V0ASRV\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# 1891

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

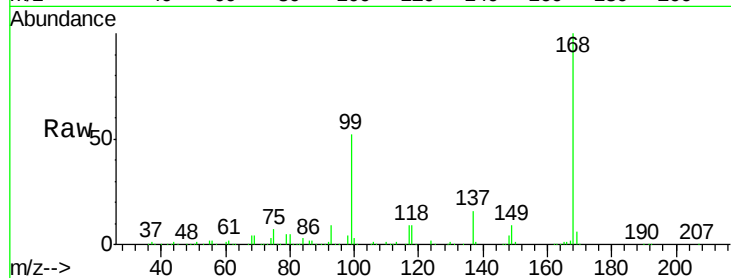
PAR-1-OILY-WATER

Tot Ion:168 Resp: 1145350

Ion Ratio Lower Upper

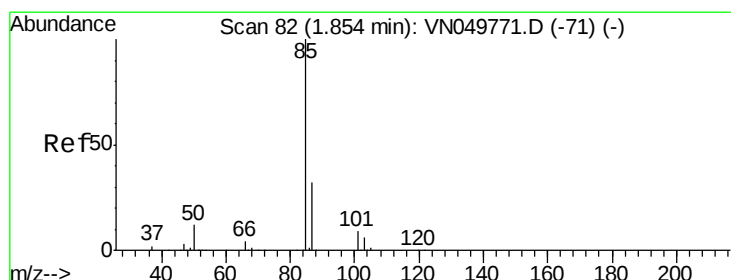
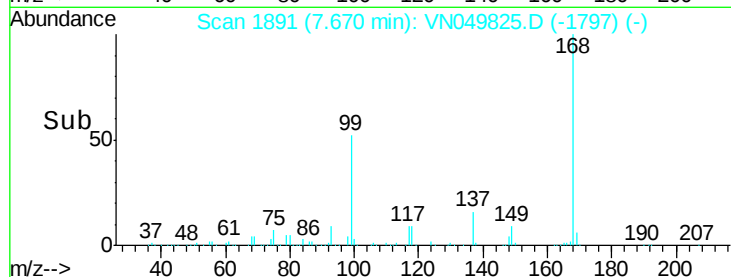
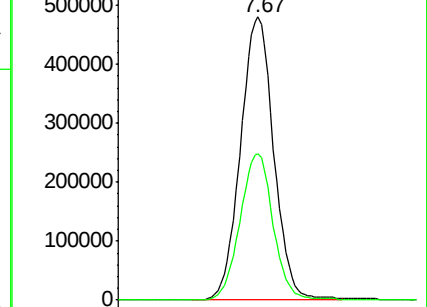
168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN049825.D

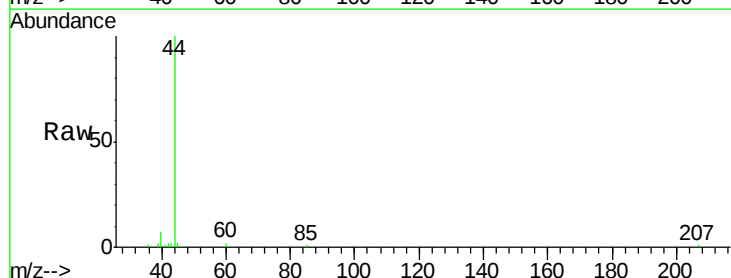
Acq: 14 Jul 2018 4:14

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

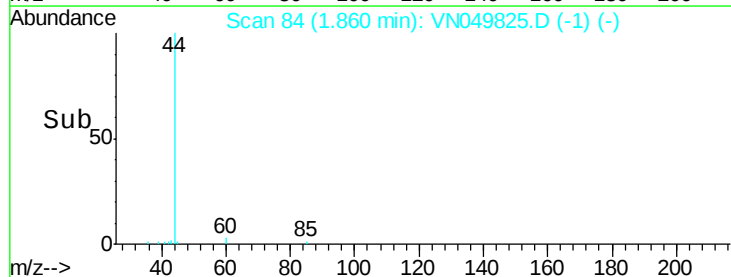
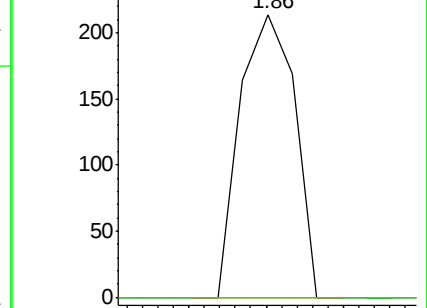
85 100

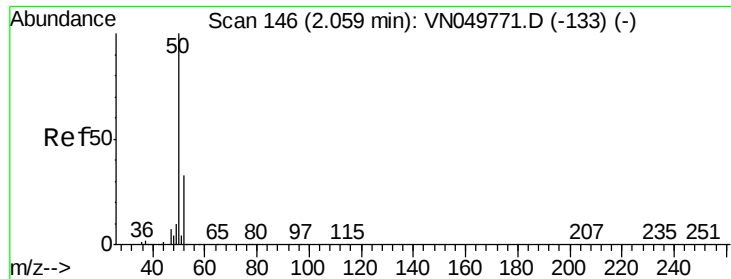
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

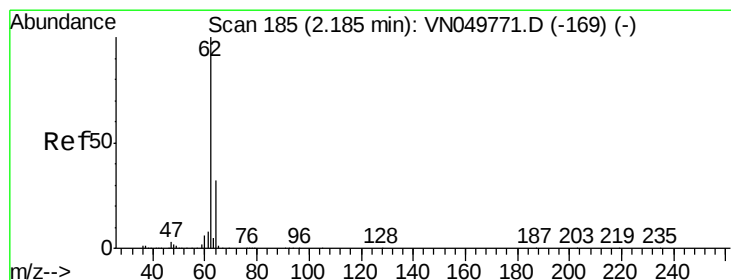
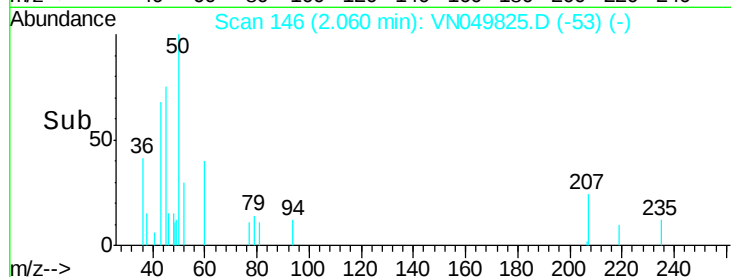
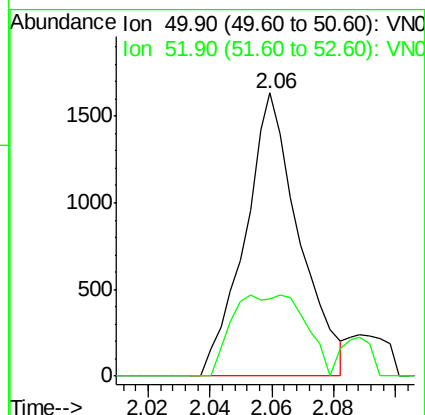
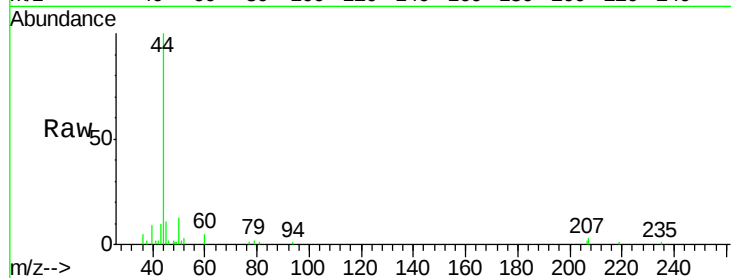
PAR-1-OILY-WATER

Tot Ion: 50 Resp: 1981

Ion Ratio Lower Upper

50 100

52 27.4 26.1 39.1



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049825.D

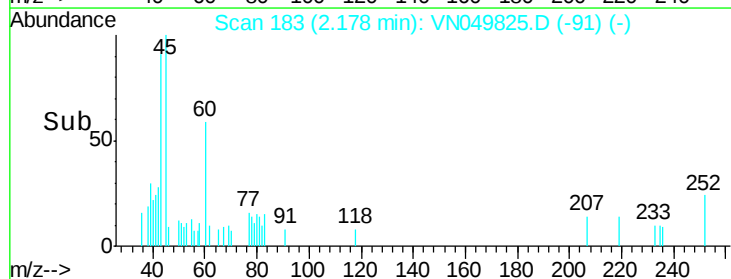
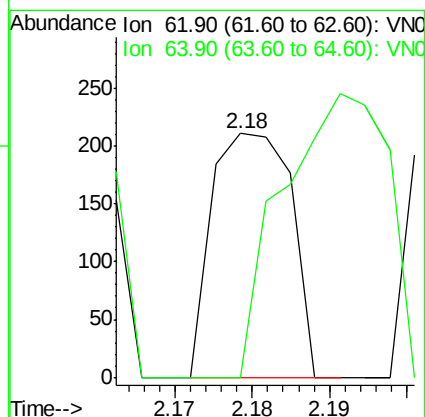
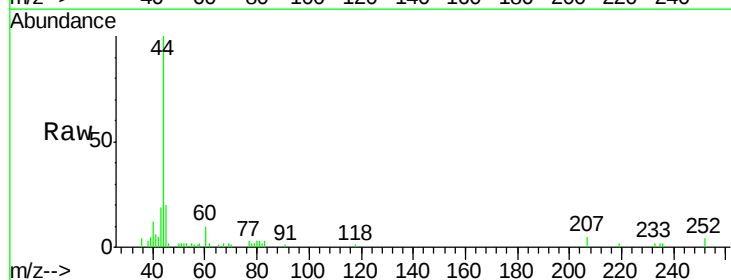
Acq: 14 Jul 2018 4:14

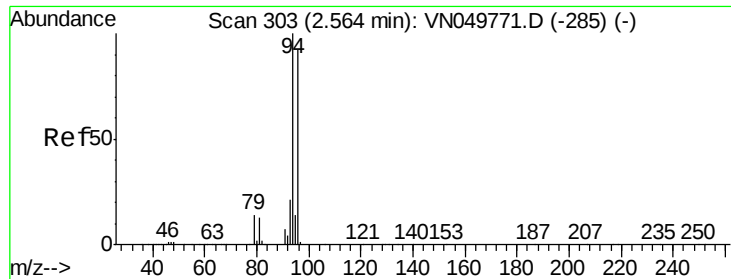
Tgt Ion: 62 Resp: 151

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

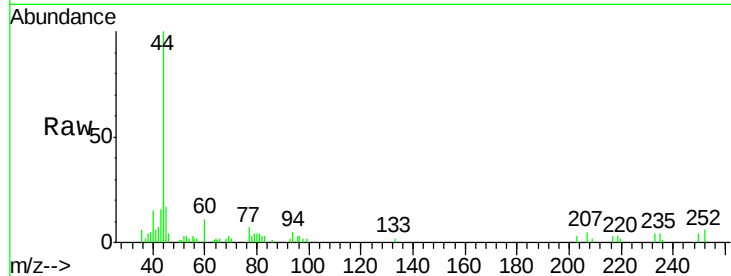
PAR-1-OILY-WATER

Tot Ion: 94 Resp: 122

Ion Ratio Lower Upper

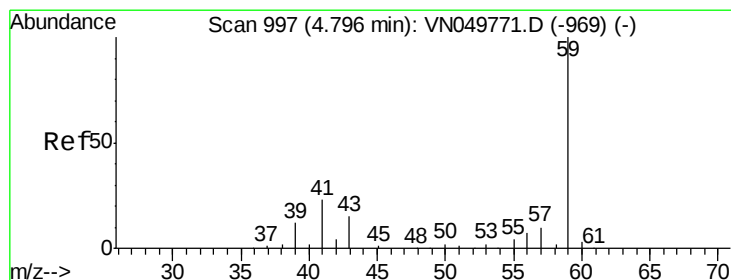
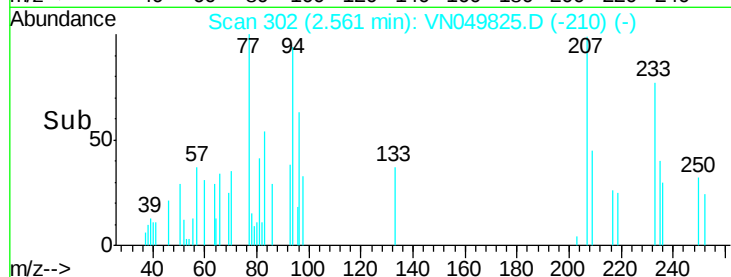
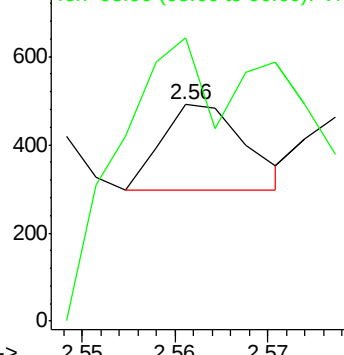
94 100

96 115.5 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.46 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN049825.D

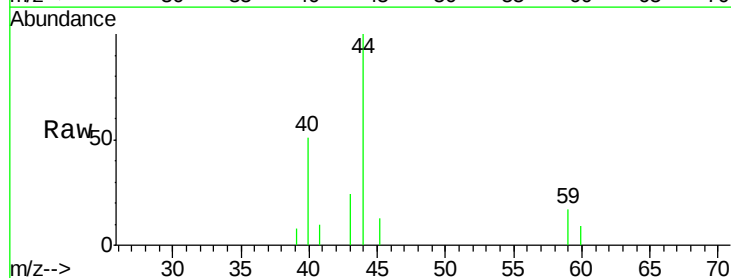
Acq: 14 Jul 2018 4:14

Tgt Ion: 59 Resp: 413

Ion Ratio Lower Upper

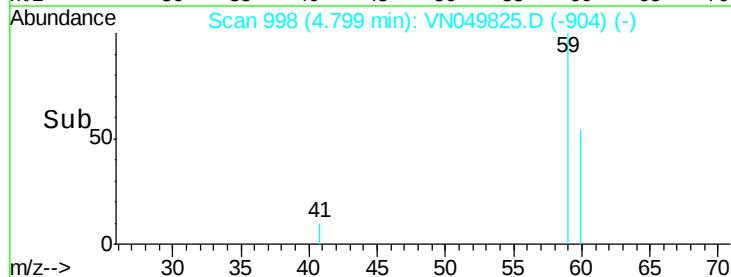
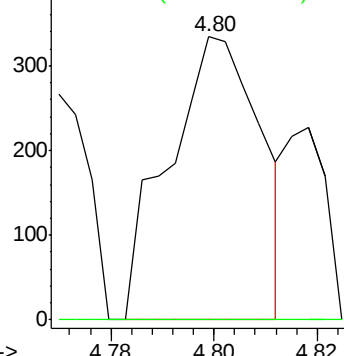
59 100

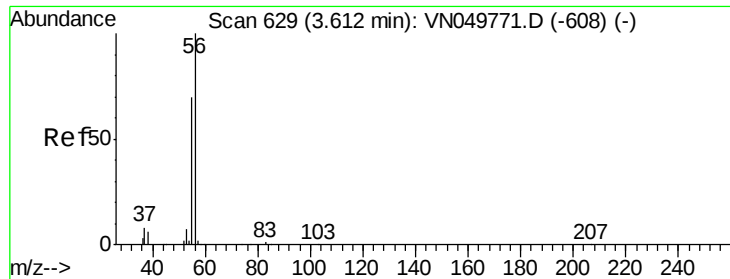
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 1.13 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

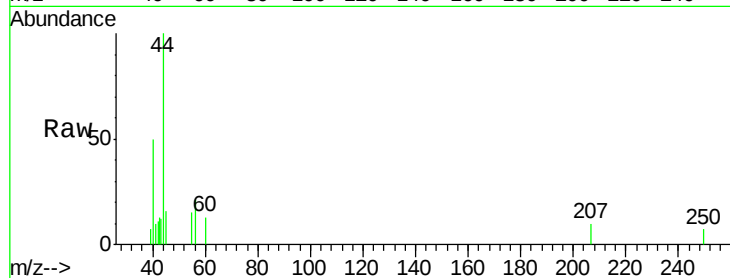
PAR-1-OILY-WATER

Tot Ion: 56 Resp: 886

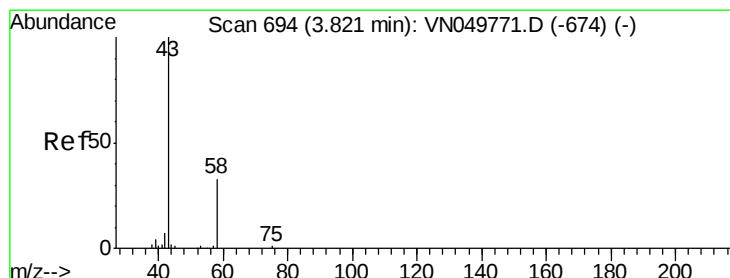
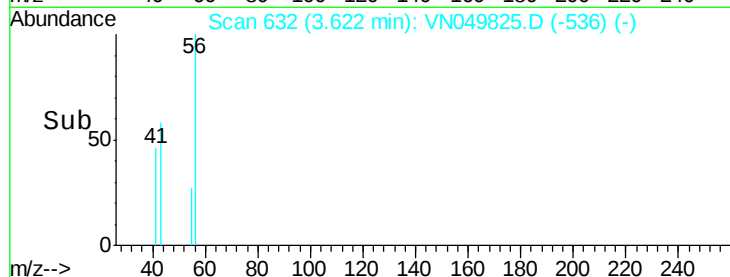
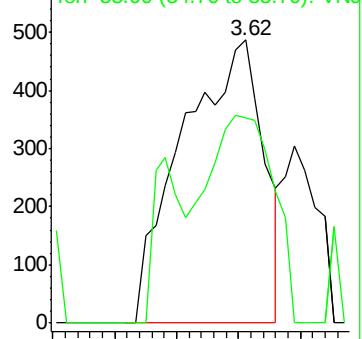
Ion Ratio Lower Upper

56 100

55 56.7 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049825.D (-536) (-)



#16

Acetone

Concen: 12.00 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049825.D

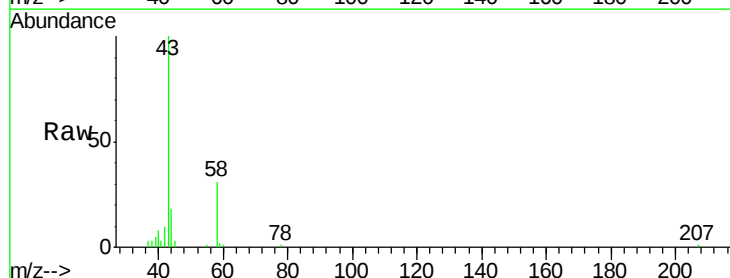
Acq: 14 Jul 2018 4:14

Tgt Ion: 43 Resp: 45833

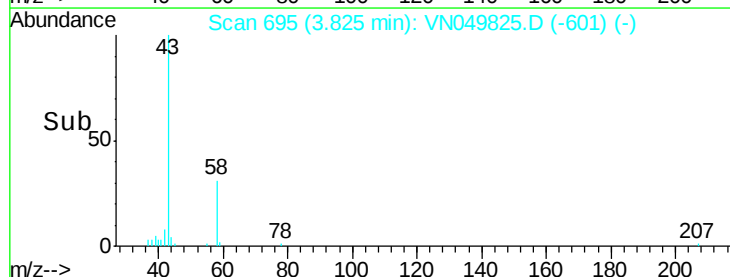
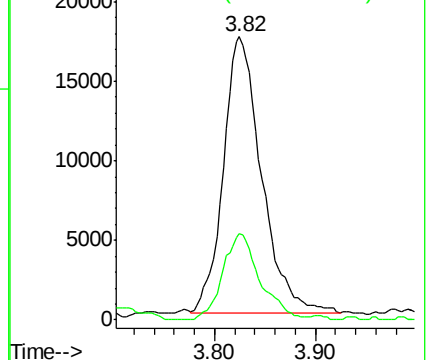
Ion Ratio Lower Upper

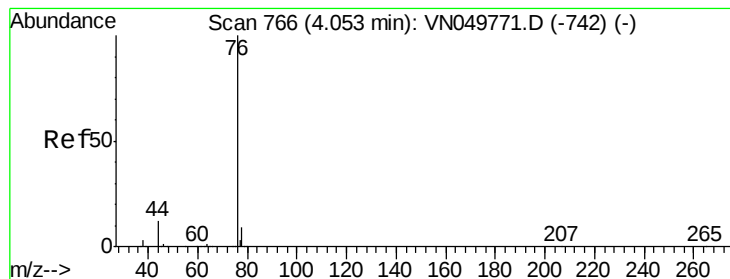
43 100

58 31.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049825.D (-601) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

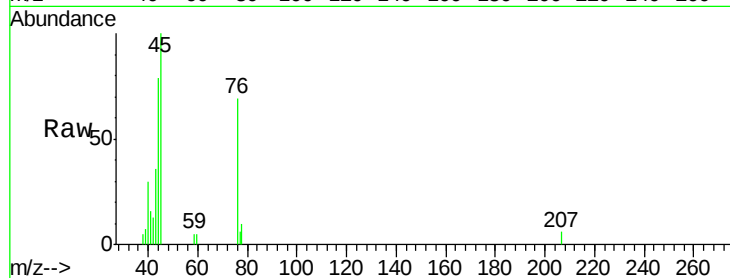
PAR-1-OILY-WATER

Tot Ion: 76 Resp: 6924

Ion Ratio Lower Upper

76 100

78 13.9 7.1 10.7#

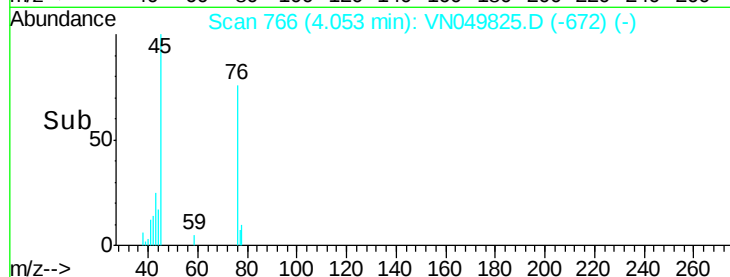


Abundance Ion 75.90 (75.60 to 76.60): VN049825.D (-672) (-)

Ion 77.90 (77.60 to 78.60): VN049825.D (-672) (-)

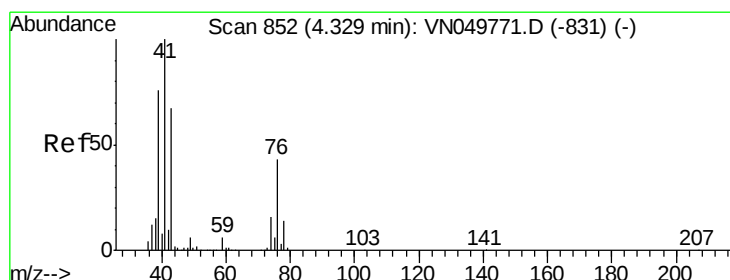
4.05

Time-->



4.05

Time-->



#18

Methyl Acetate

Concen: 2.14 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049825.D

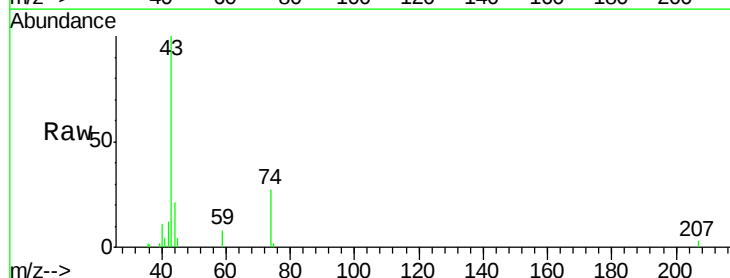
Acq: 14 Jul 2018 4:14

Tgt Ion: 43 Resp: 31640

Ion Ratio Lower Upper

43 100

74 25.3 19.8 29.8

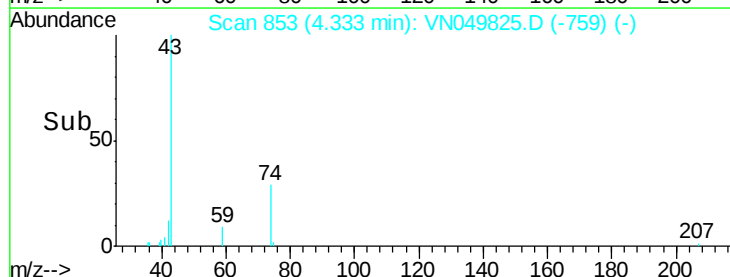


Abundance Ion 43.00 (42.70 to 43.70): VN049825.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049825.D (-759) (-)

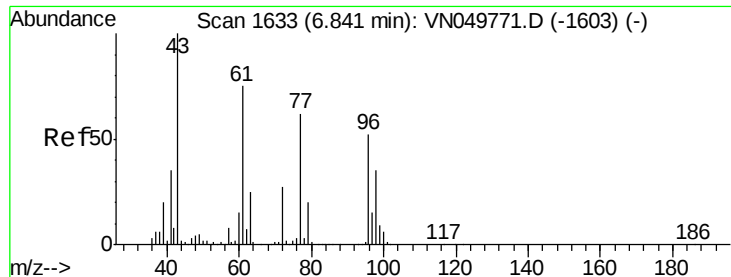
4.33

Time-->



4.33

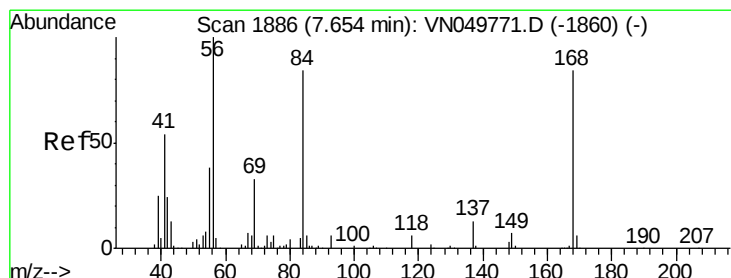
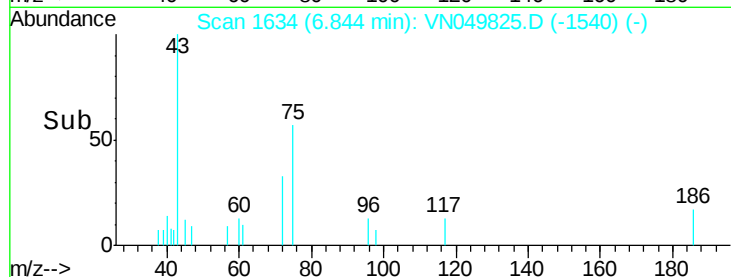
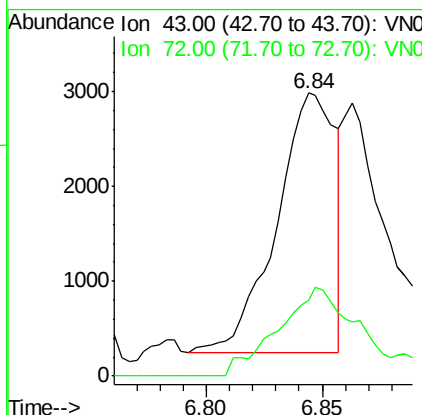
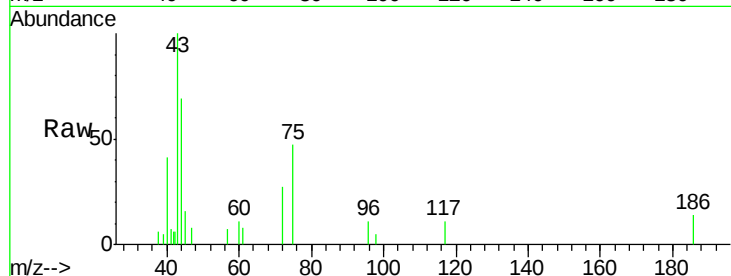
Time-->



#25
2-Butanone
Concen: 0.93 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

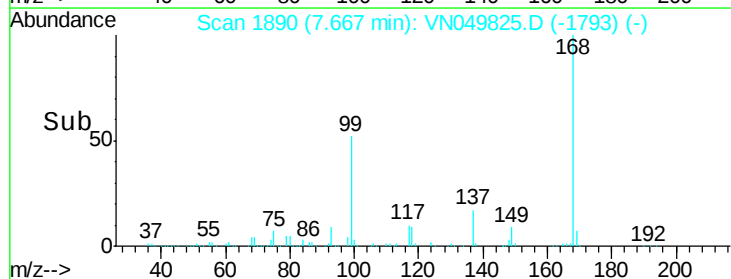
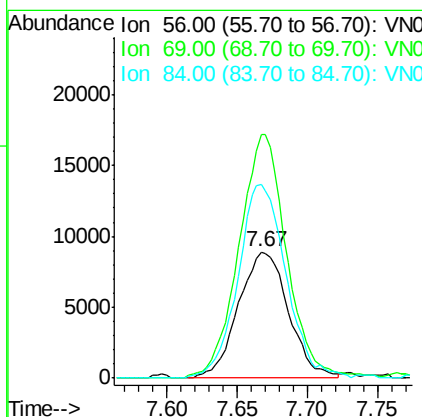
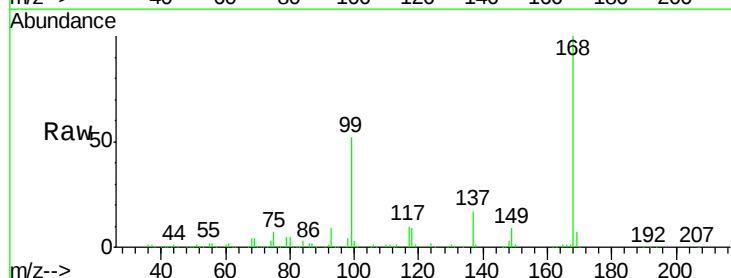
Instrument :
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PAR-1-OILY-WATER

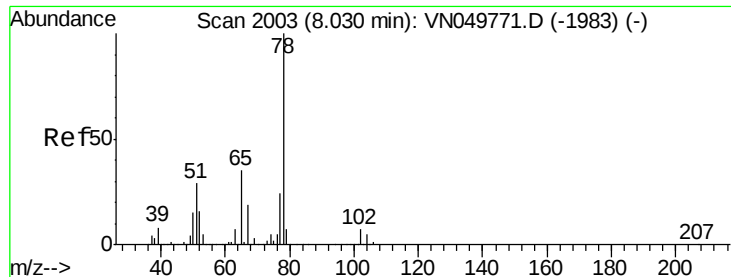
Tot Ion: 43 Resp: 4822
Ion Ratio Lower Upper
43 100
72 29.3 22.1 33.1



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

Tgt Ion: 56 Resp: 22058
Ion Ratio Lower Upper
56 100
69 190.8 26.6 40.0#
84 151.8 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 59.21 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

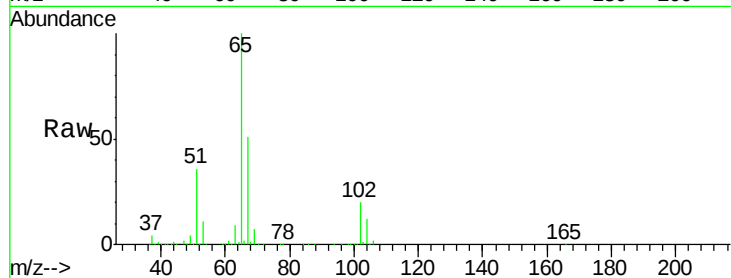
PAR-1-OILY-WATER

Tot Ion: 65 Resp: 788907

Ion Ratio Lower Upper

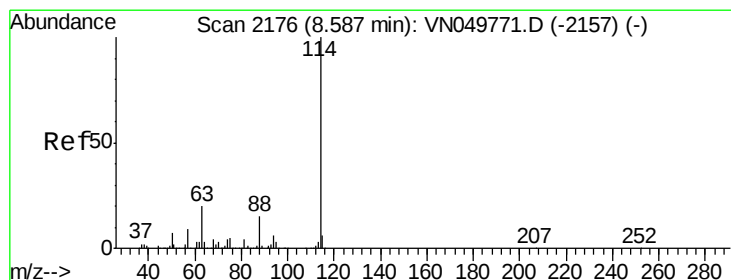
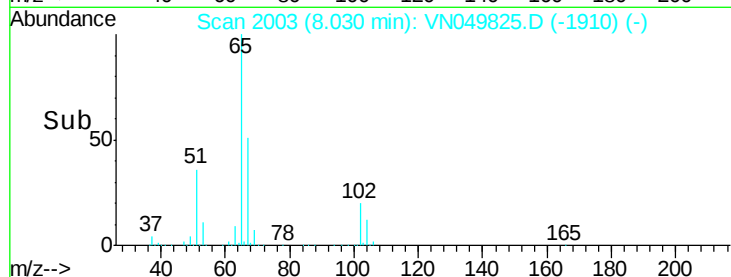
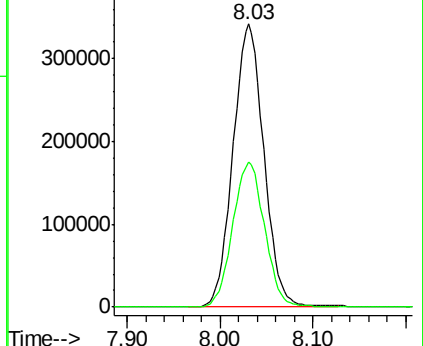
65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049825.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049825.D (-1910) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

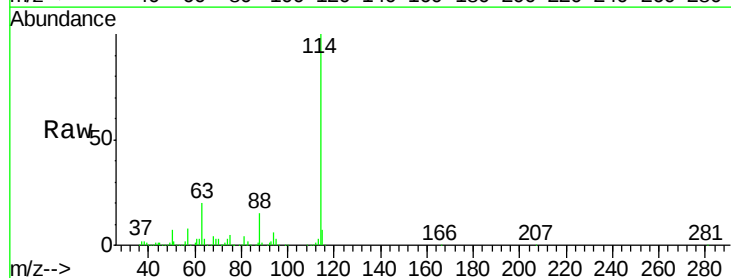
Tgt Ion: 114 Resp: 1867707

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

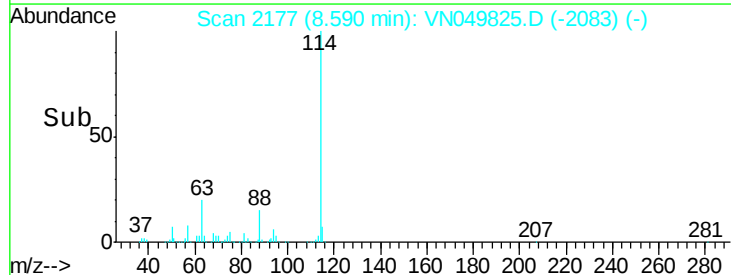
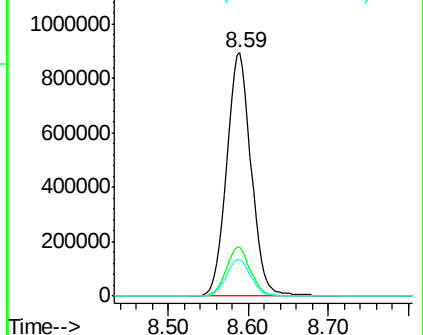
88 15.0 0.0 30.6

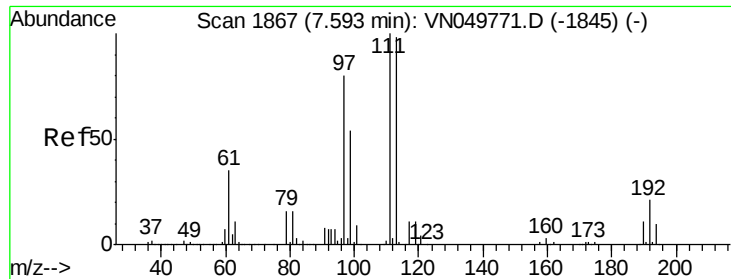


Abundance Ion 113.90 (113.60 to 114.60): VN049825.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049825.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049825.D (-2083) (-)

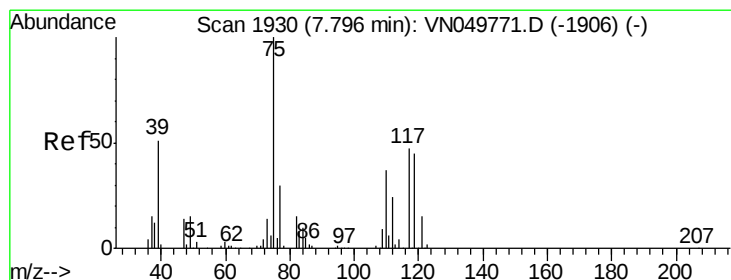
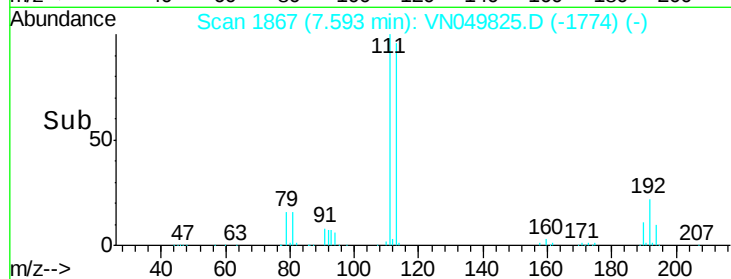
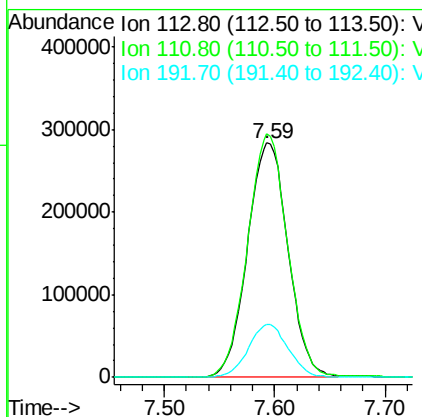
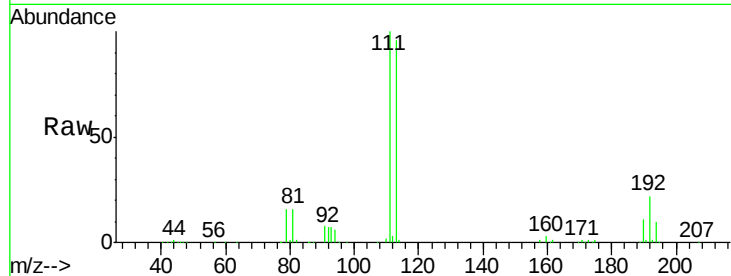




#35
 Dibromofluoromethane
 Concen: 51.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049825.D
 Acq: 14 Jul 2018 4:14

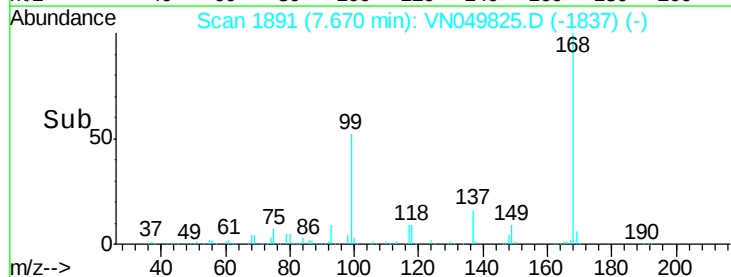
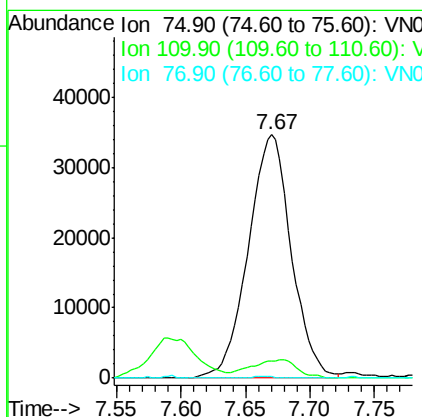
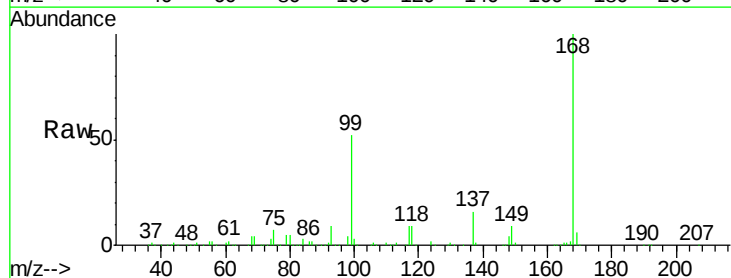
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-1-OILY-WATER

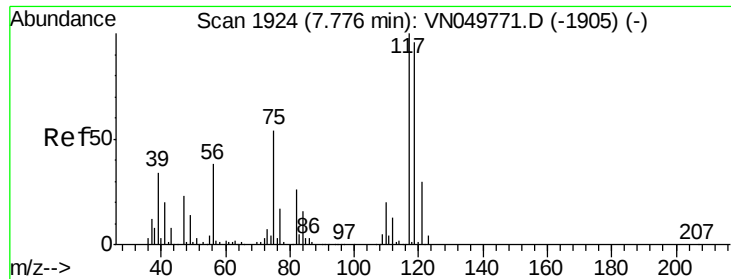
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049825.D
 Acq: 14 Jul 2018 4:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.4#
77	0.3	24.9	37.3#

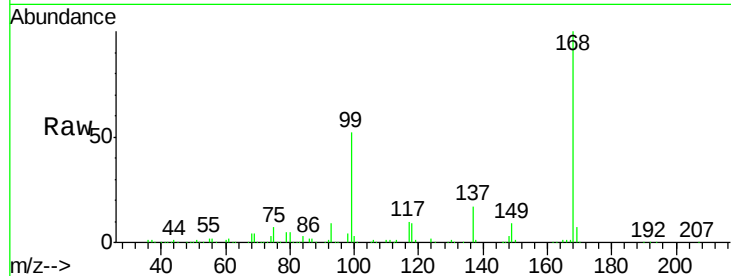




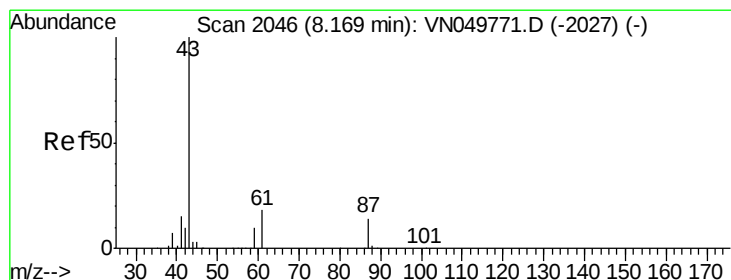
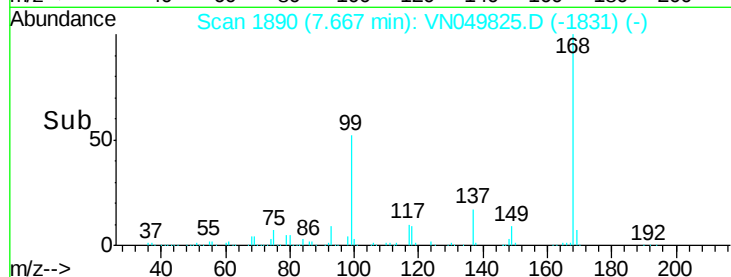
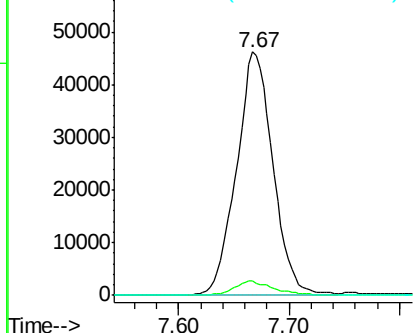
#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

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

Tot Ion:117 Resp: 105886
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 25.0 37.6#

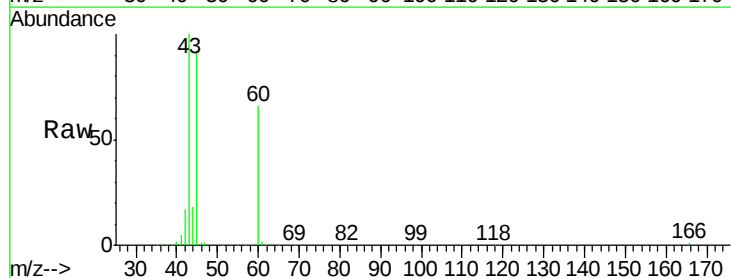


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

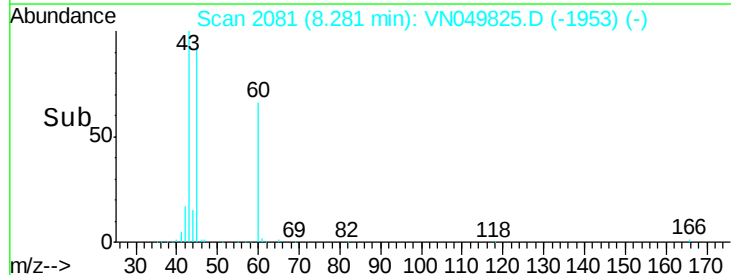
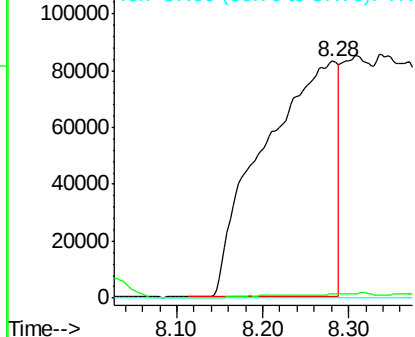


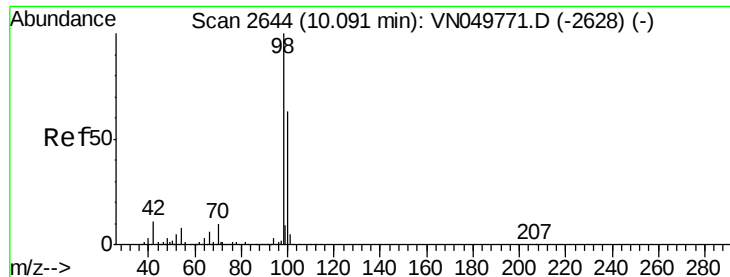
#43
Isopropyl Acetate
Concen: 21.36 ug/l
RT: 8.28 min Scan# 2081
Delta R.T. 0.11 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

Tgt Ion: 43 Resp: 489131
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: 52.10 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

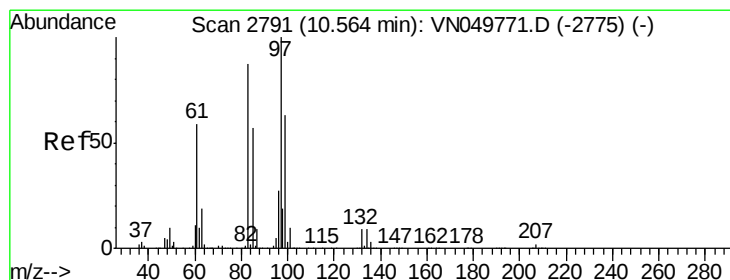
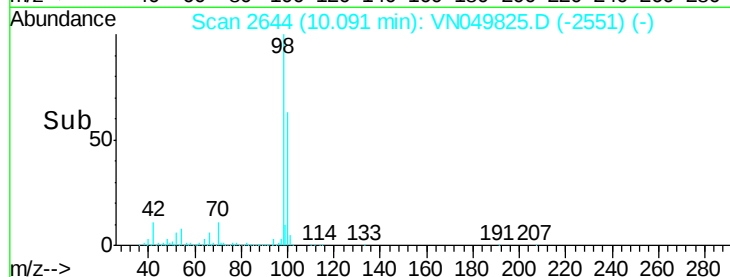
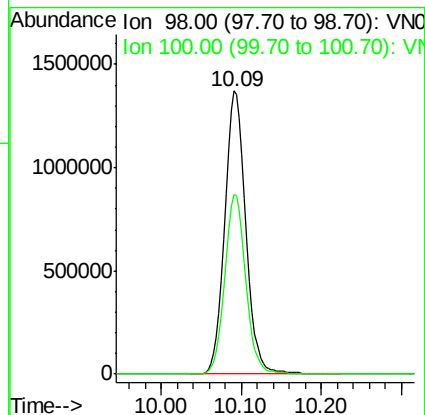
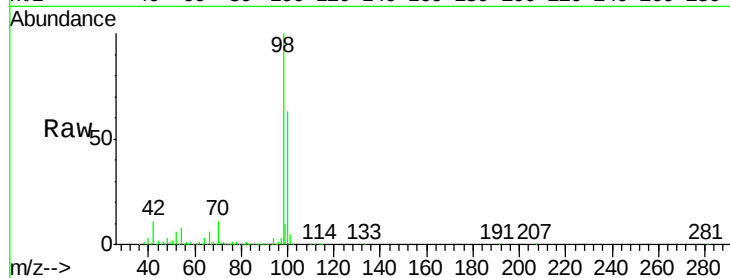
PAR-1-OILY-WATER

Tot Ion: 98 Resp: 2510810

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.55 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Tgt Ion: 97 Resp: 1220

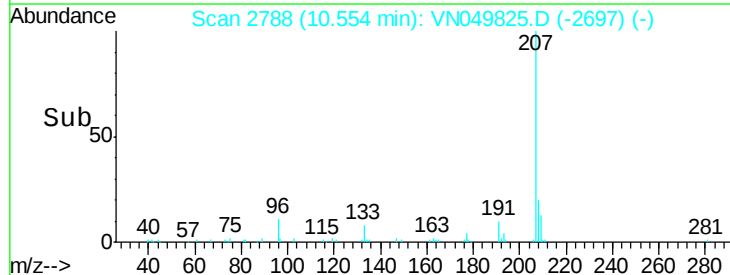
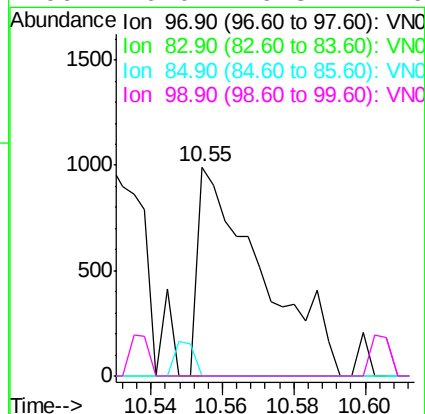
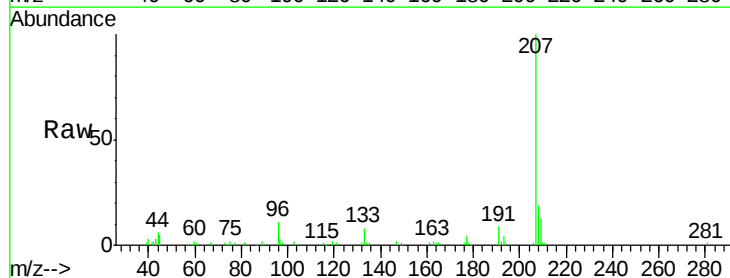
Ion Ratio Lower Upper

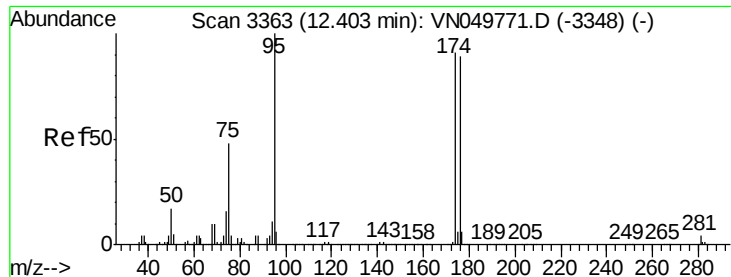
97 100

83 0.0 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#





#62

4-Bromofluorobenzene

Concen: 37.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

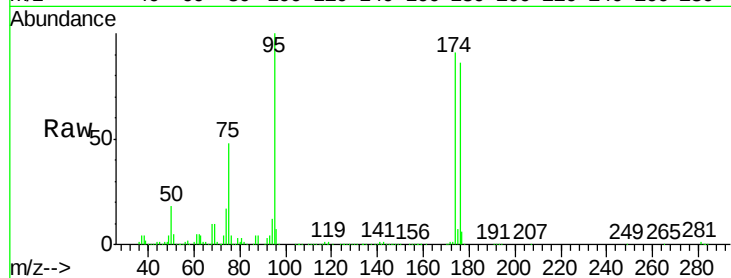
Tot Ion: 95 Resp: 653455

Ion Ratio Lower Upper

95 100

174 91.3 0.0 179.6

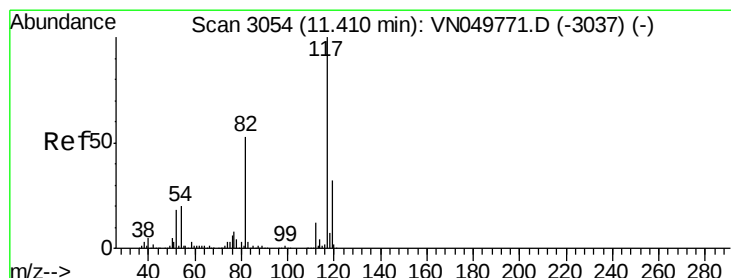
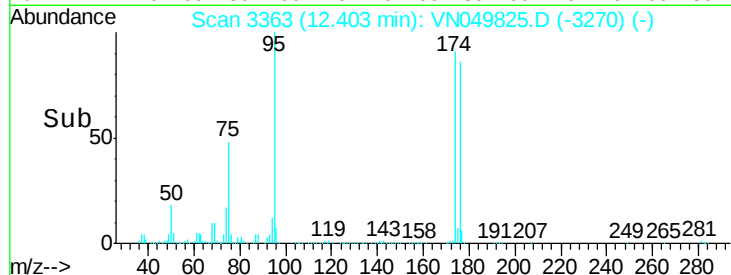
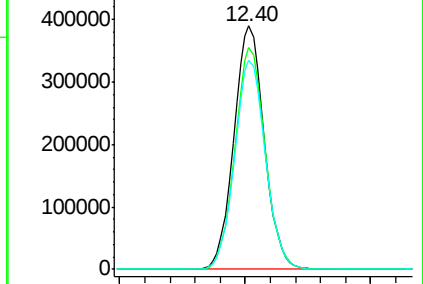
176 87.1 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049825.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049825.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049825.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

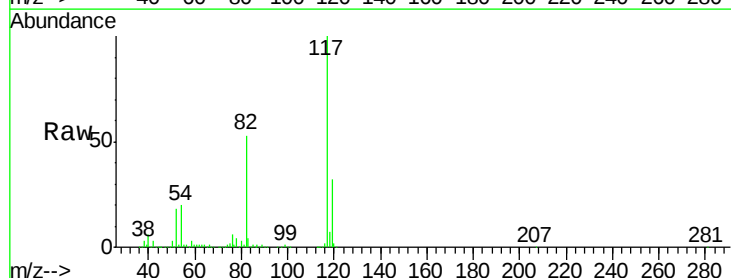
Tgt Ion: 117 Resp: 1508832

Ion Ratio Lower Upper

117 100

82 53.2 41.9 62.9

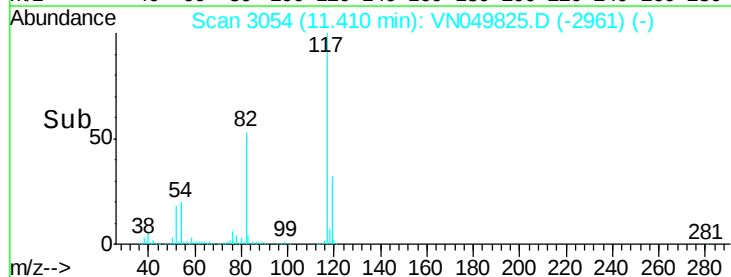
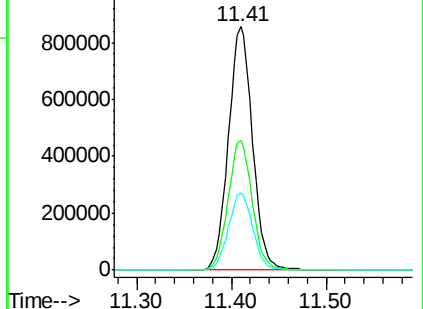
119 31.9 25.4 38.2

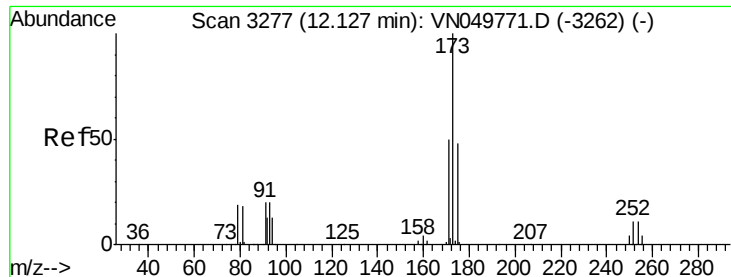


Abundance Ion 116.90 (116.60 to 117.60): VN049825.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049825.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049825.D (-2961) (-)





#71

Bromoform

Concen: 0.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

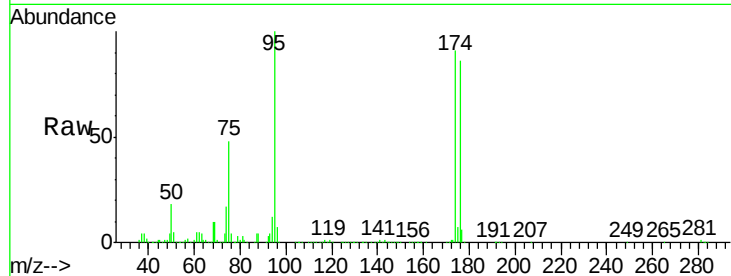
Tot Ion:173 Resp: 5122

Ion Ratio Lower Upper

173 100

175 692.3 24.6 73.8#

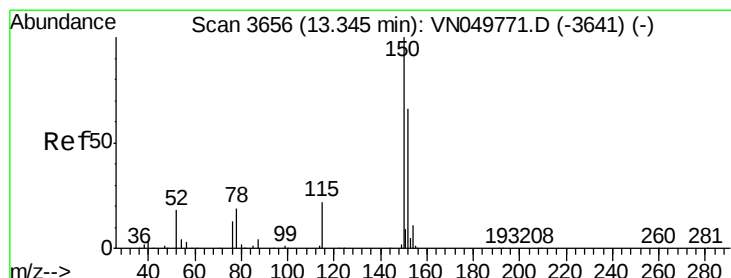
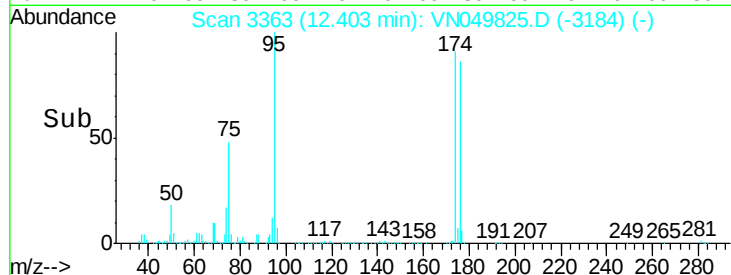
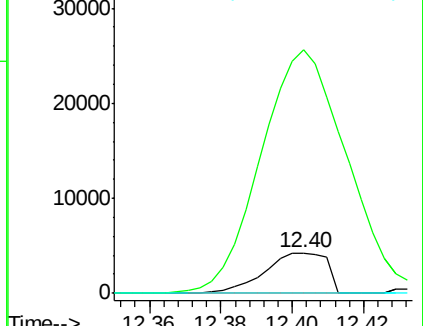
254 0.0 0.2 0.2#



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: VN049825.D

Acq: 14 Jul 2018 4:14

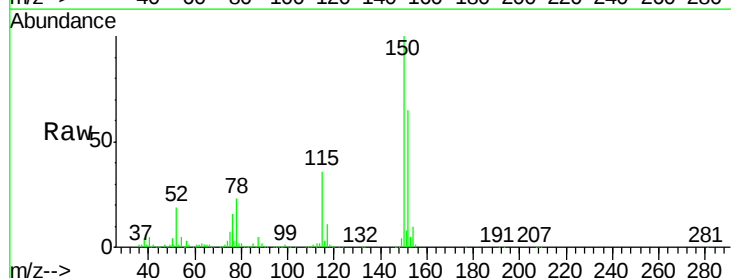
Tgt Ion:152 Resp: 530859

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.2

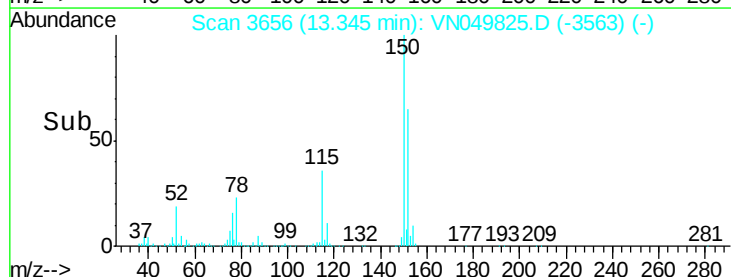
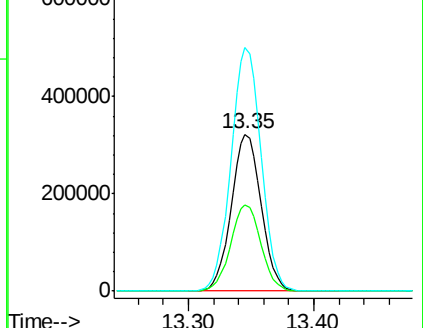
150 157.0 0.0 347.6

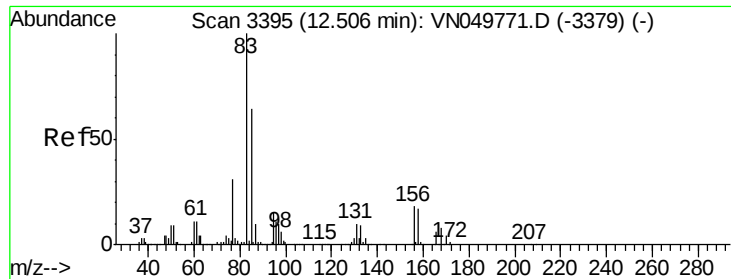


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.40 min Scan# 3362

Delta R.T. -0.11 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

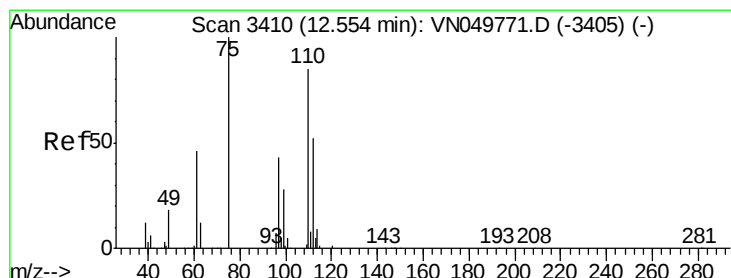
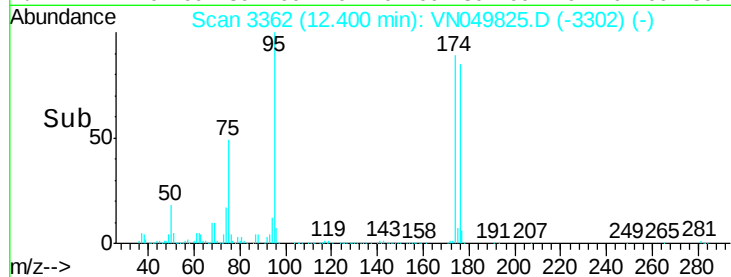
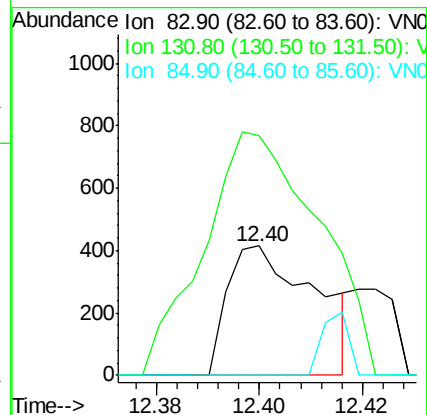
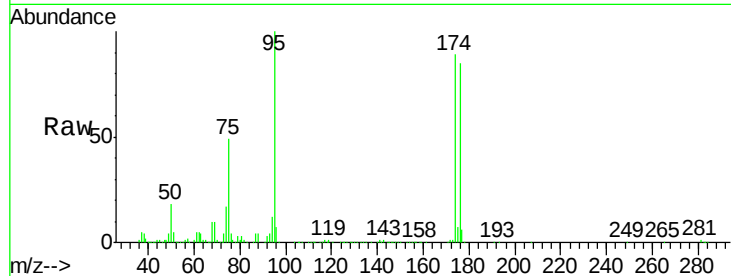
Tot Ion: 83 Resp: 485

Ion Ratio Lower Upper

83 100

131 249.1 5.2 15.6#

85 14.8 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 33.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049825.D

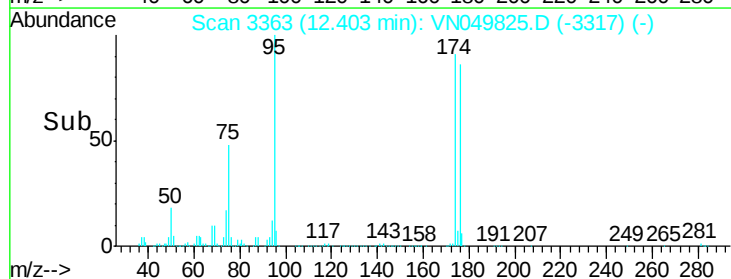
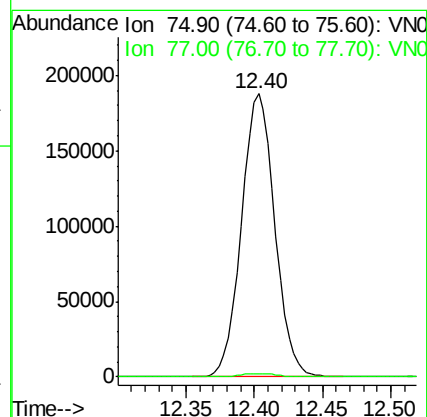
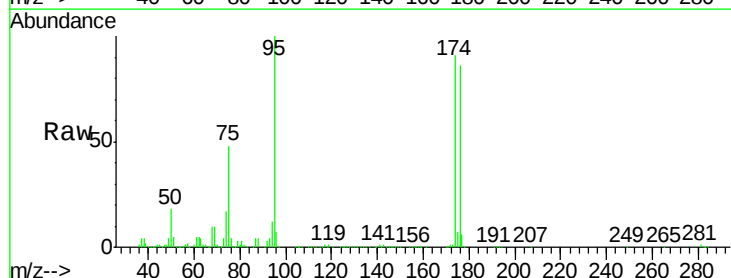
Acq: 14 Jul 2018 4:14

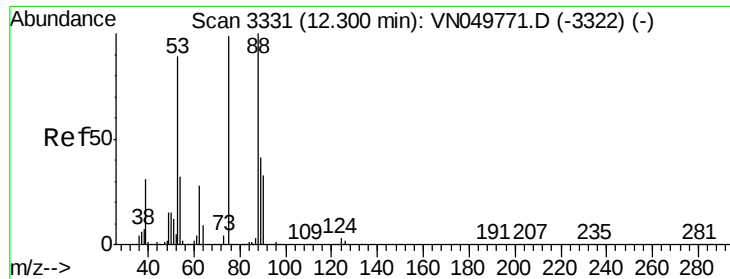
Tgt Ion: 75 Resp: 318183

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

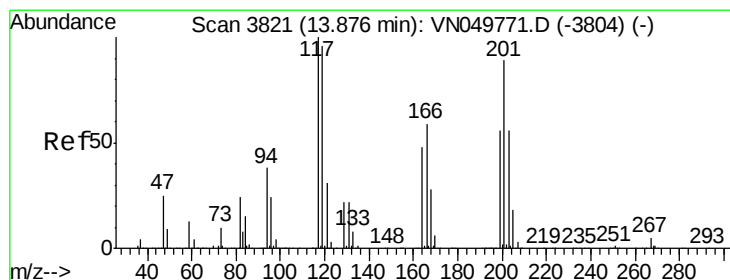
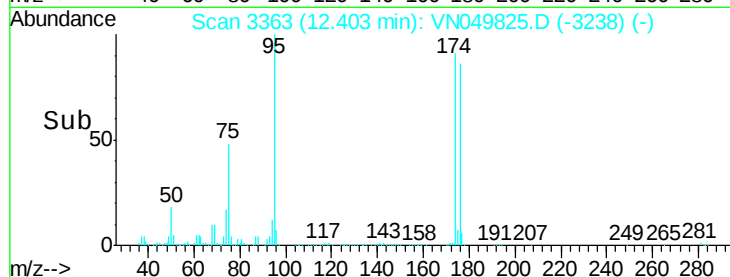
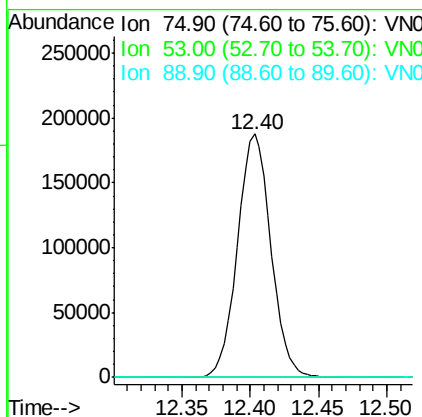
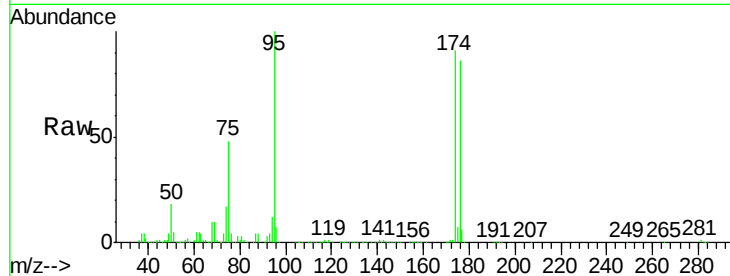




#81
trans-1,4-Dichloro-2-butene
Concen: 108.96 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

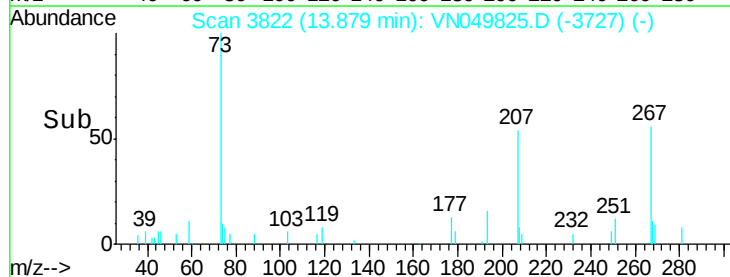
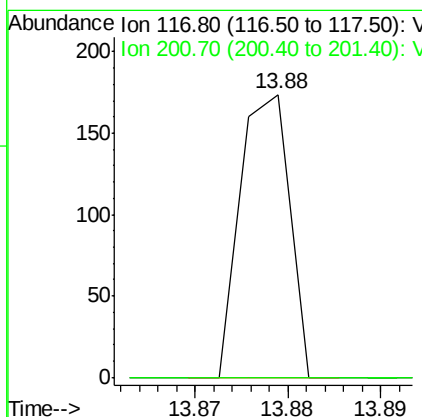
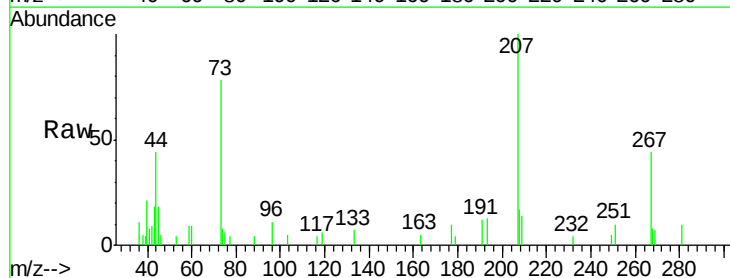
Instrument :
MSVOA_N
ClientSampleId :
PAR-1-OILY-WATER

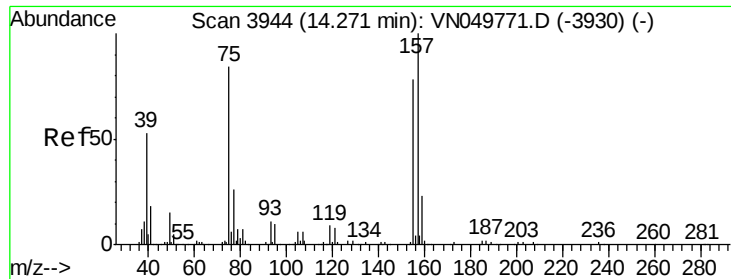
Tot Ion: 75 Resp: 318183
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.1 35.9 53.9#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

Tgt Ion: 117 Resp: 64
Ion Ratio Lower Upper
117 100
201 0.0 45.3 135.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3950

Delta R.T. 0.02 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

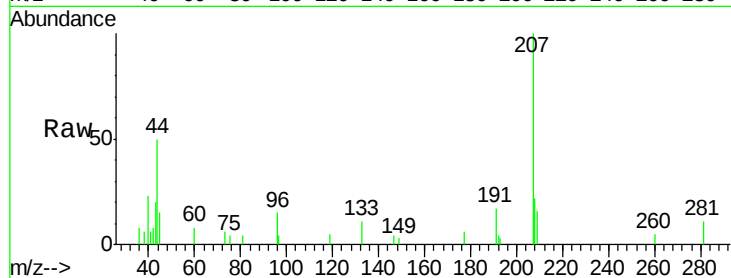
Instrument :

MSVOA_N

ClientSampleId :

PAR-1-OILY-WATER

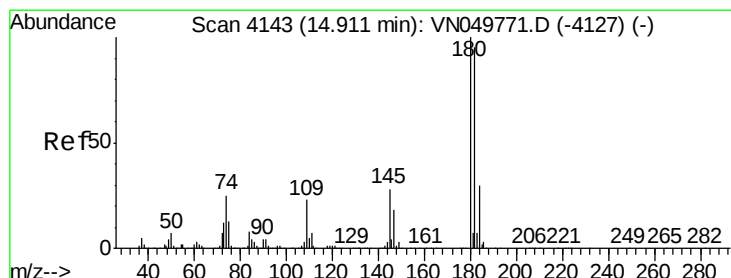
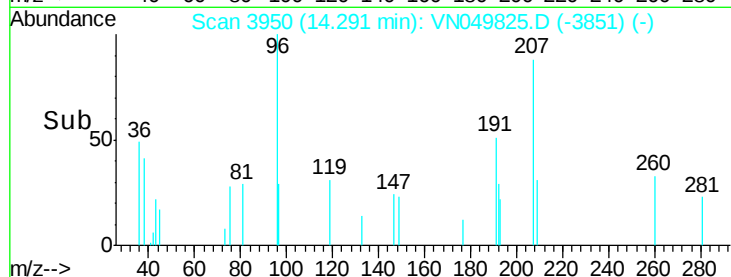
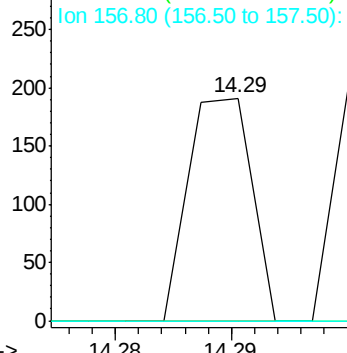
Tot Ion:	75	Resp:	73
Ion Ratio	Lower	Upper	
75	100		
155	0.0	45.7	137.1#
157	0.0	56.9	170.7#



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.90 ug/l

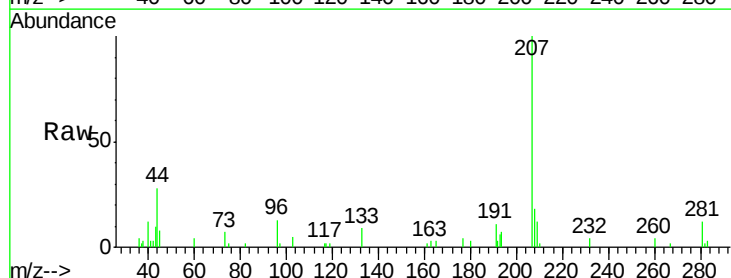
RT: 14.92 min Scan# 4145

Delta R.T. 0.01 min

Lab File: VN049825.D

Acq: 14 Jul 2018 4:14

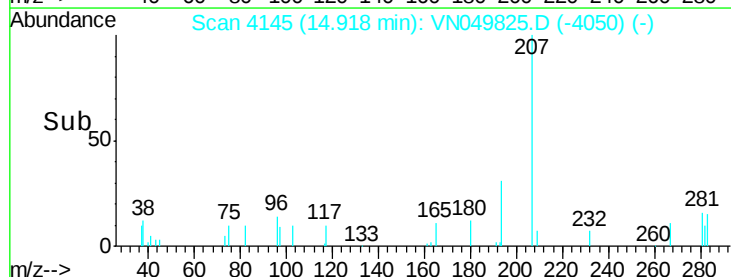
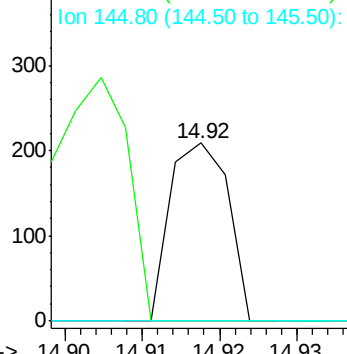
Tgt Ion:	180	Resp:	109
Ion Ratio	Lower	Upper	
180	100		
182	167.9	47.3	141.9#
145	0.0	14.4	43.0#

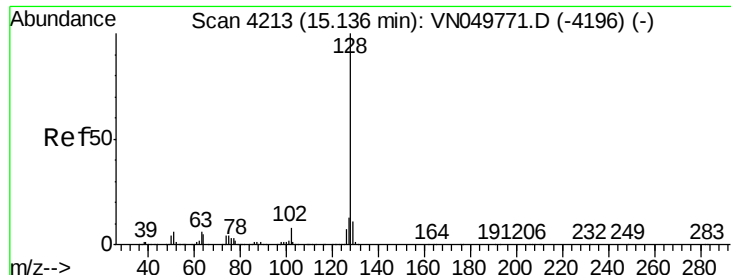


Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

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

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





#95
Naphthalene
Concen: 4.08 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049825.D
Acq: 14 Jul 2018 4:14

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	26.3	10.4	15.6#
129	0.0	8.6	13.0#

