

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051577.D
 Acq On : 27 Sep 2018 12:14
 Operator : MD\SY
 Sample : J5069-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SLUDGE-A

Quant Time: Sep 27 12:56:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	868122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456240	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	
35) Dibromofluoromethane	7.59	113	394669	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.09	98	1434018	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	12.40	95	391842	39.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.98%	

Target Compounds

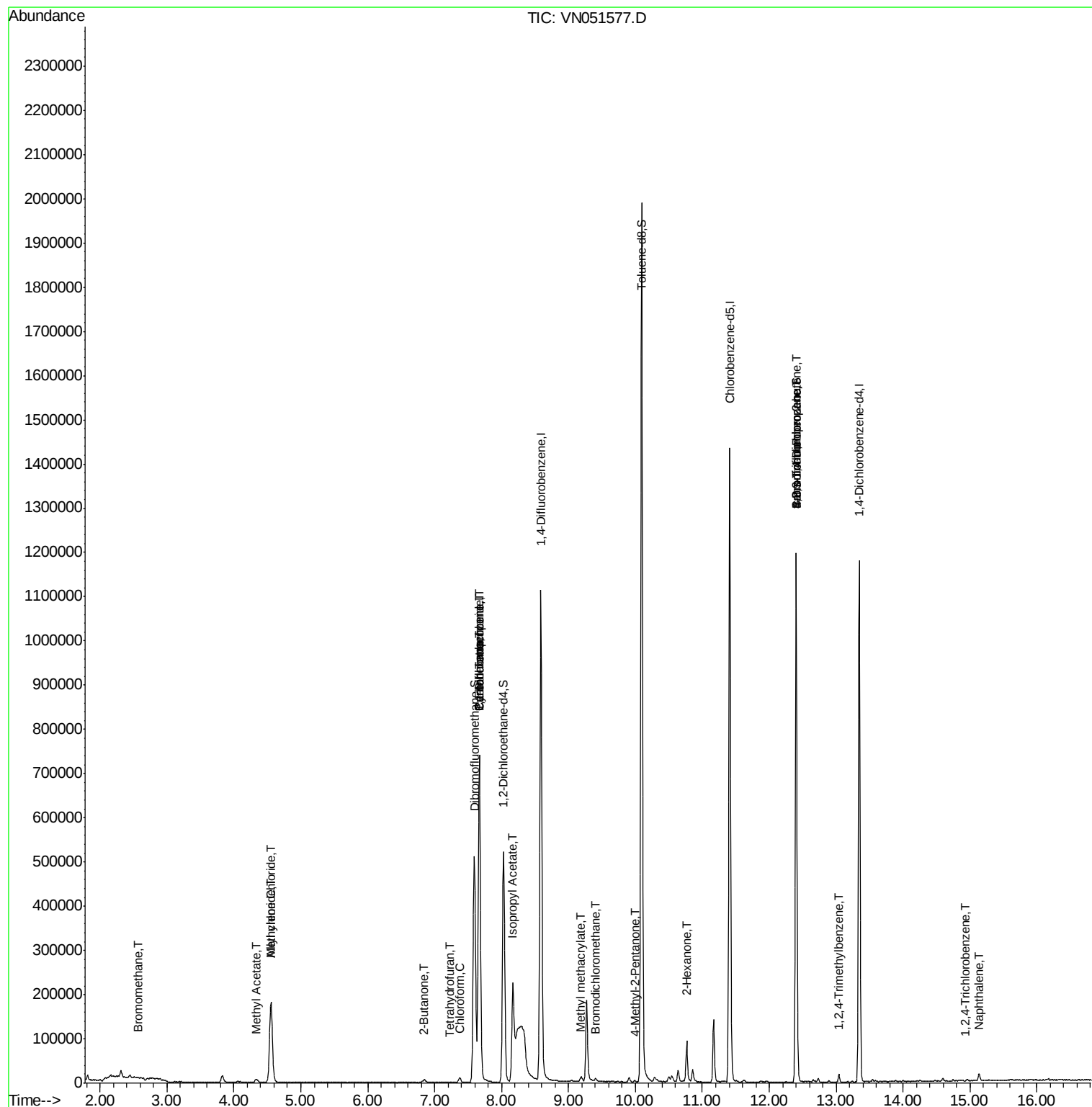
					Qvalue	
5) Bromomethane	2.57	94	1055	0.232	ug/l	81
14) Allyl chloride	4.56	41	6116	0.527	ug/l #	26
16) Acetone	3.83	43	27511	Below Cal		95
18) Methyl Acetate	4.34	43	15552	2.622	ug/l	97
20) Methylene Chloride	4.55	84	131328	17.044	ug/l	98
25) 2-Butanone	6.85	43	8253	3.097	ug/l	100
29) Tetrahydrofuran	7.22	42	552	0.327	ug/l #	34
30) Chloroform	7.37	83	11382	0.858	ug/l	94
31) Cyclohexane	7.67	56	12233	0.998	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47284	4.009	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56465	4.577	ug/l #	16
43) Isopropyl Acetate	8.17	43	282634	23.046	ug/l #	92
47) Bromodichloromethane	9.40	83	3459	0.294	ug/l #	83
48) Methyl methacrylate	9.19	41	6626	1.084	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	2032	0.301	ug/l #	73
59) 2-Hexanone	10.77	43	14076	3.219	ug/l #	58
71) Bromoform	12.40	173	1714	0.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	196556	36.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	196556	113.631	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	9771	0.440	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	99	5.996	ug/l #	11
95) Naphthalene	15.14	128	12780	8.944	ug/l	98

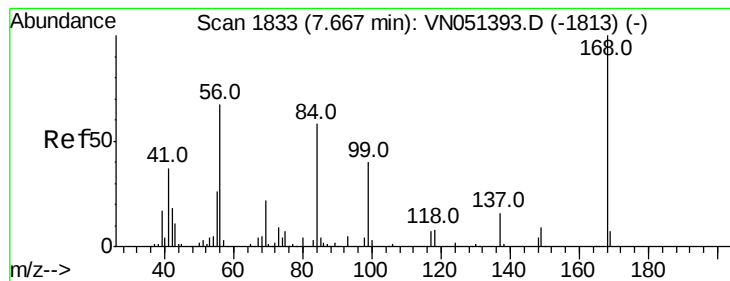
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

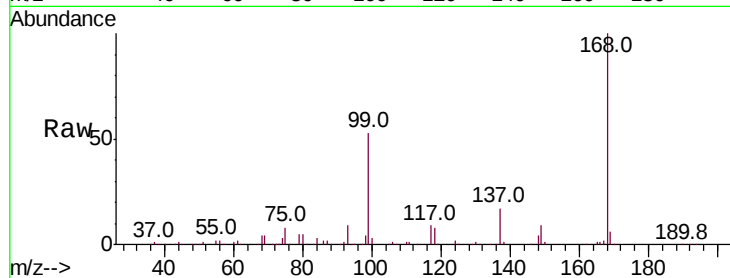
SLUDGE-A

Tot Ion:168 Resp: 621599

Ion Ratio Lower Upper

168 100

99 52.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

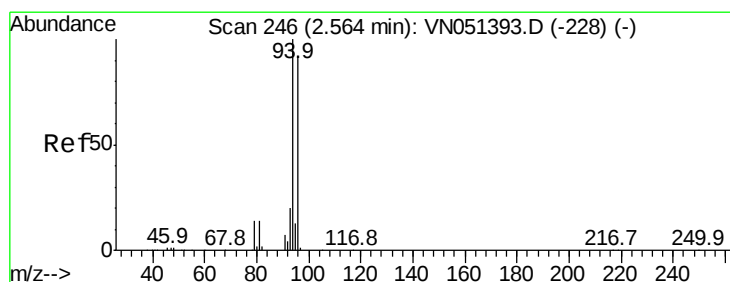
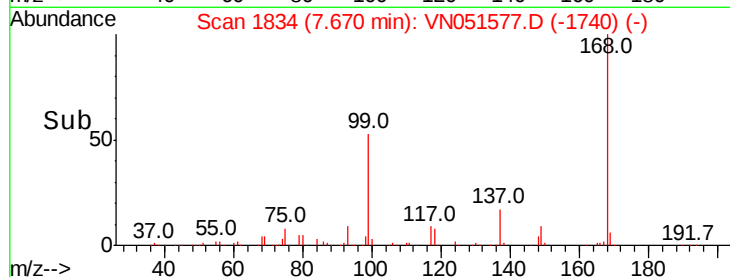
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.232 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051577.D

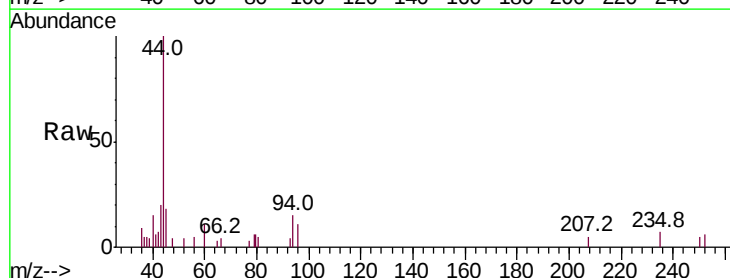
Acq: 27 Sep 2018 12:14

Tgt Ion: 94 Resp: 1055

Ion Ratio Lower Upper

94 100

96 73.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

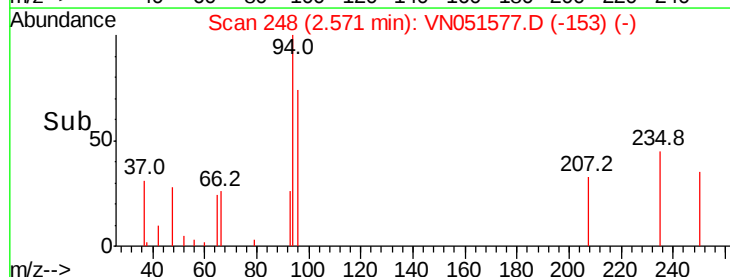
600

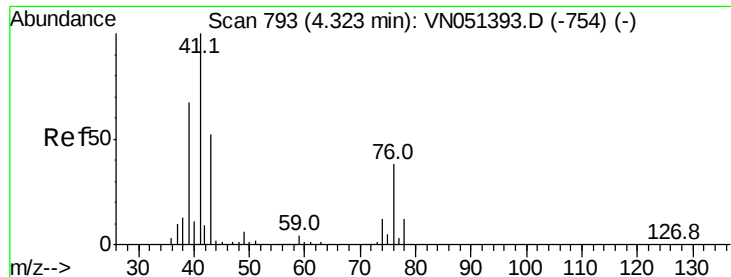
400

200

0

Time-->





#14

Allvl chloride

Concen: 0.527 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampled :

SLUDGE-A

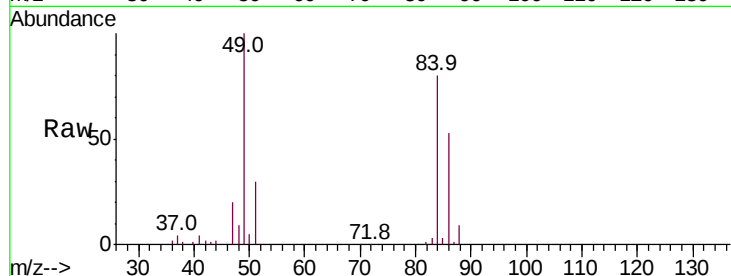
Tot Ion: 41 Resp: 6116

Ion Ratio Lower Upper

41 100

39 0.0 51.4 77.2#

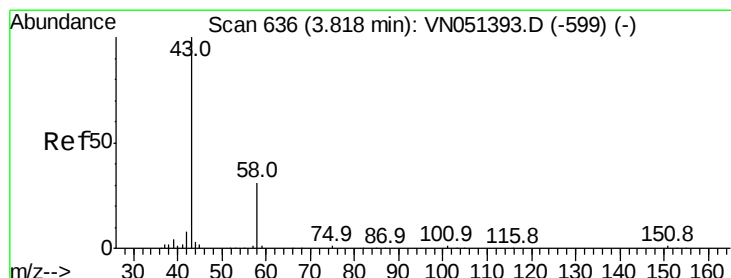
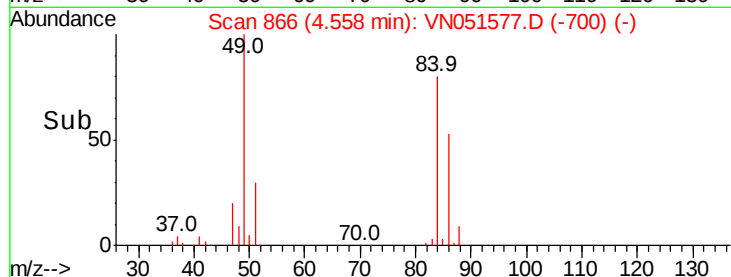
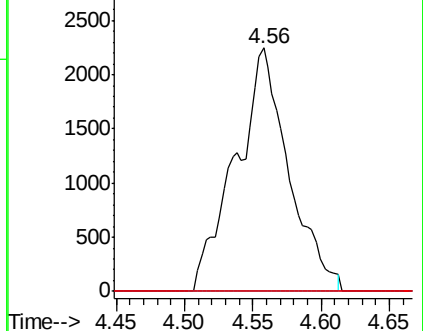
76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051577.D

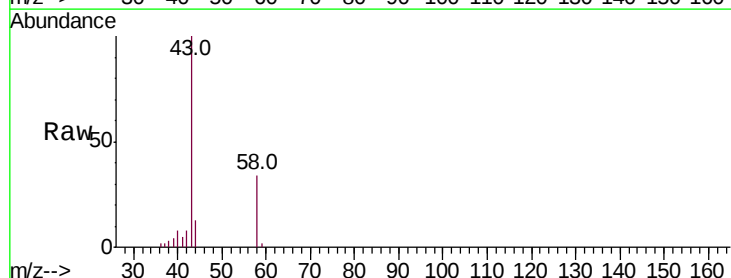
Acq: 27 Sep 2018 12:14

Tgt Ion: 43 Resp: 27511

Ion Ratio Lower Upper

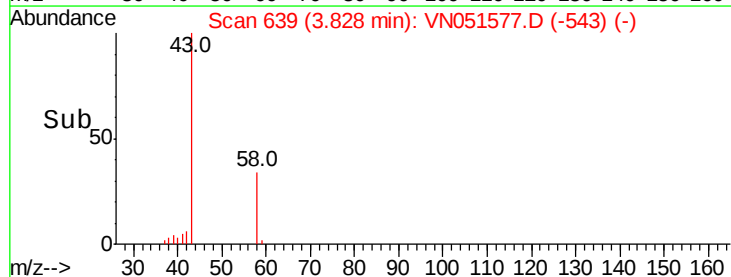
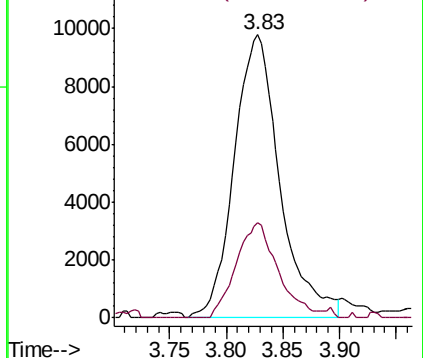
43 100

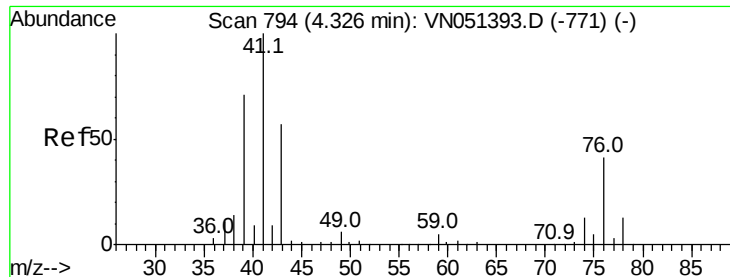
58 33.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

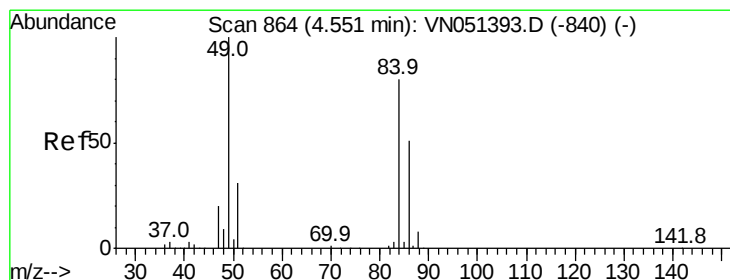
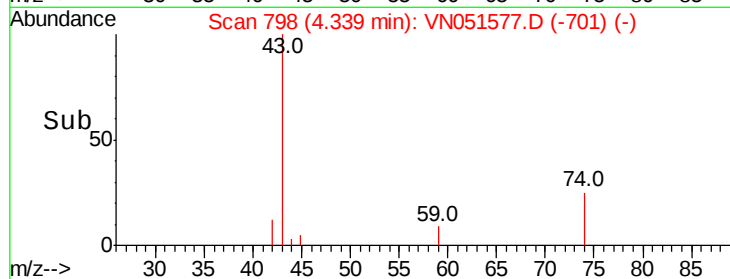
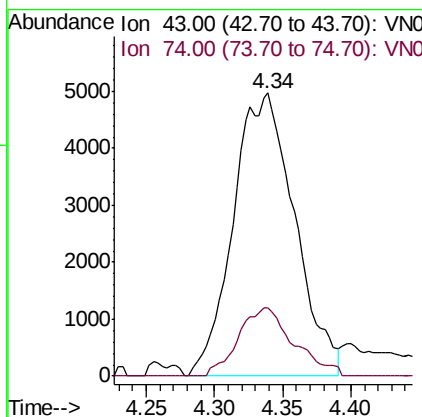
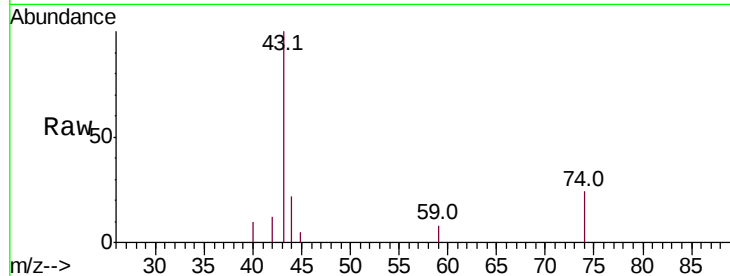




#18
Methyl Acetate
Concen: 2.622 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

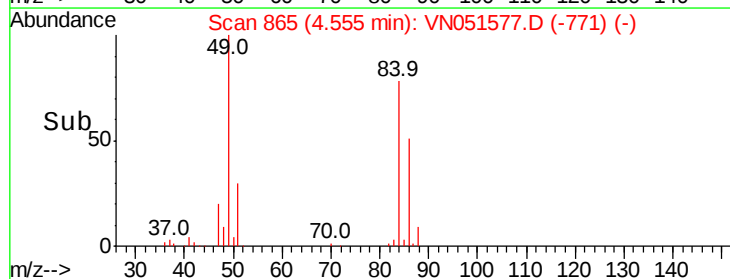
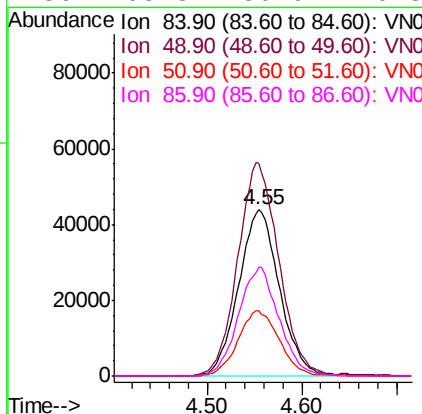
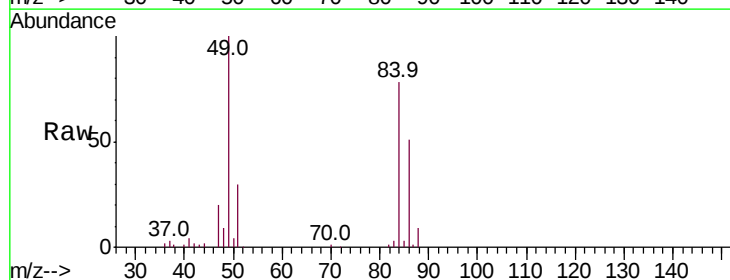
Instrument :
MSVOA_N
ClientSampled :
SLUDGE-A

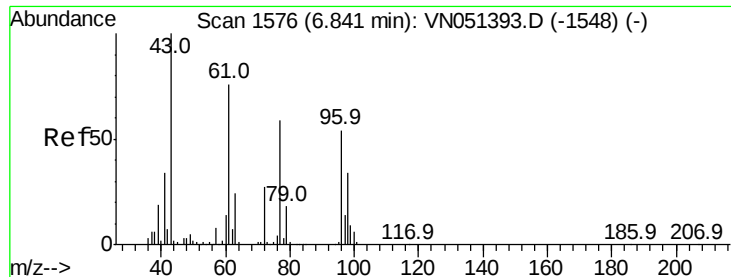
Tot Ion: 43 Resp: 15552
Ion Ratio Lower Upper
43 100
74 21.8 18.8 28.2



#20
Methylene Chloride
Concen: 17.044 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

Tgt Ion: 84 Resp: 131328
Ion Ratio Lower Upper
84 100
49 128.2 99.9 149.9
51 39.0 31.4 47.2
86 65.3 50.9 76.3

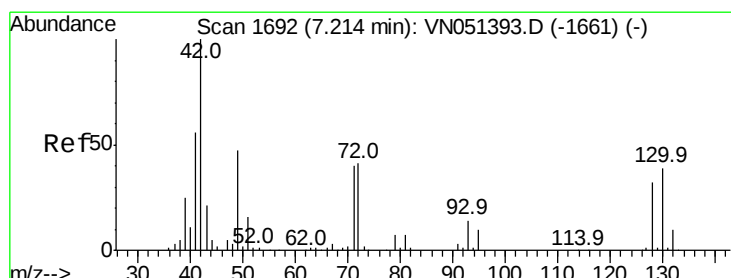
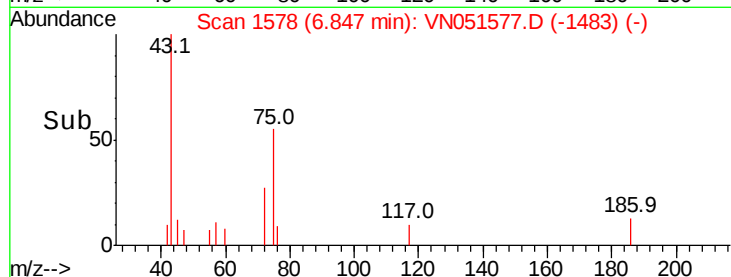
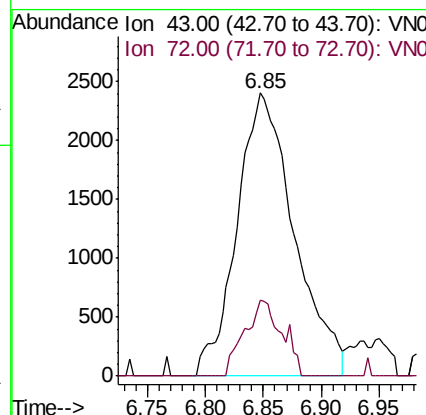
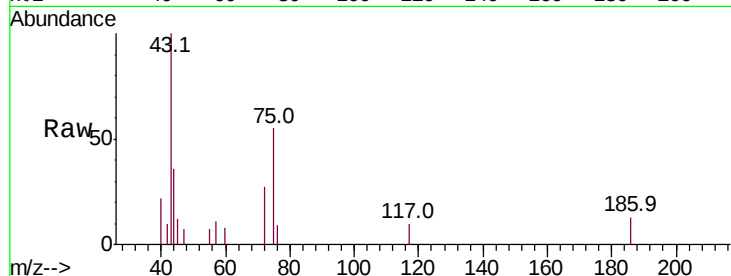




#25
2-Butanone
Concen: 3.097 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

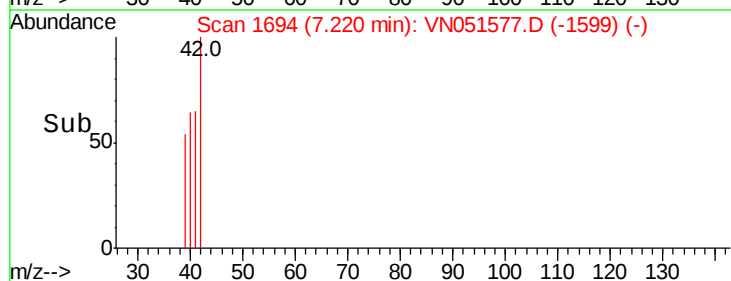
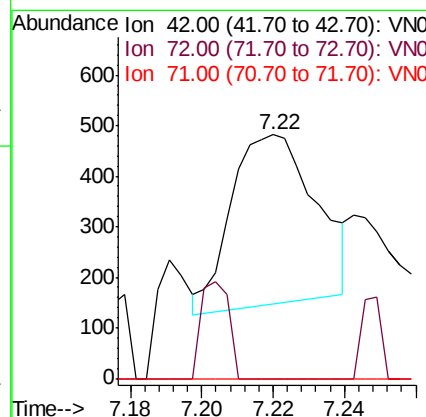
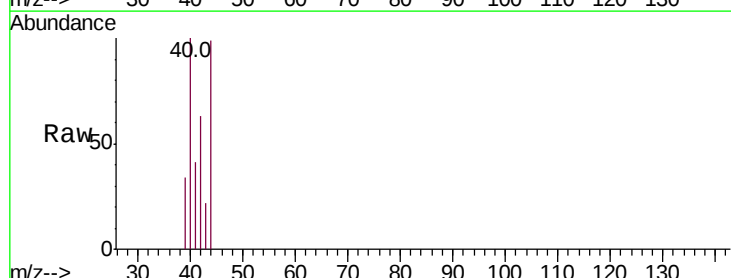
Instrument :
MSVOA_N
ClientSampleId :
SLUDGE-A

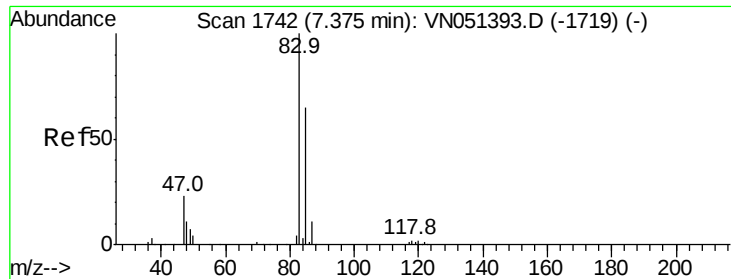
Tot Ion: 43 Resp: 8253
Ion Ratio Lower Upper
43 100
72 27.0 21.8 32.6



#29
Tetrahydrofuran
Concen: 0.327 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

Tgt Ion: 42 Resp: 552
Ion Ratio Lower Upper
42 100
72 0.0 34.3 51.5#
71 0.0 32.2 48.4#

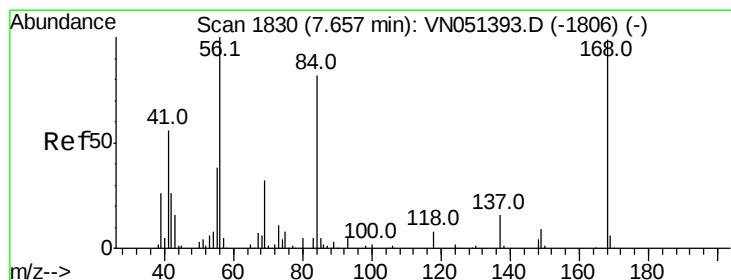
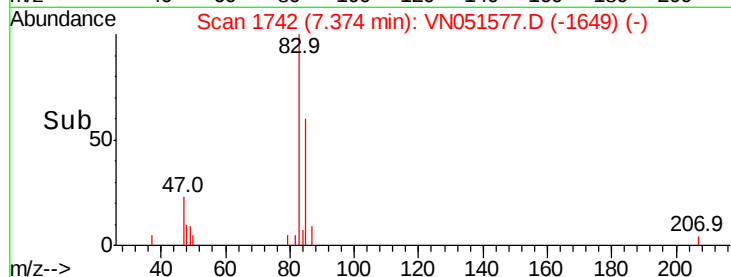
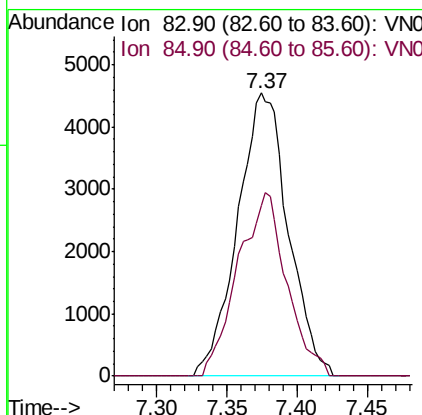
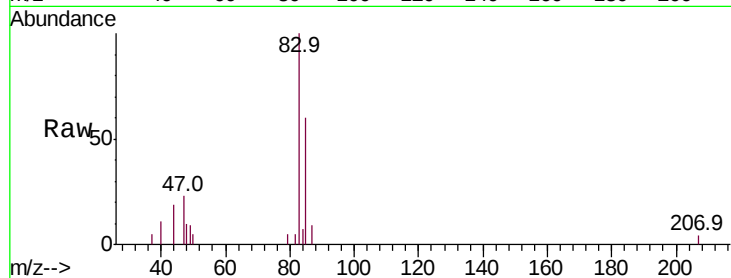




#30
Chloroform
Concen: 0.858 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

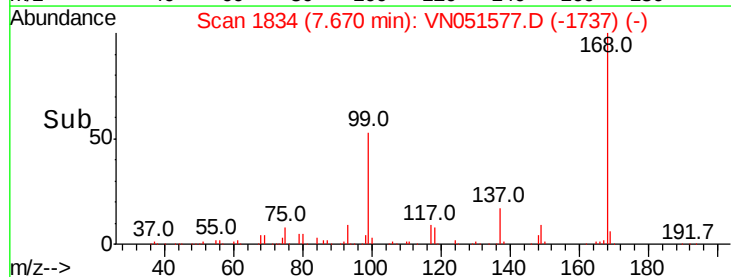
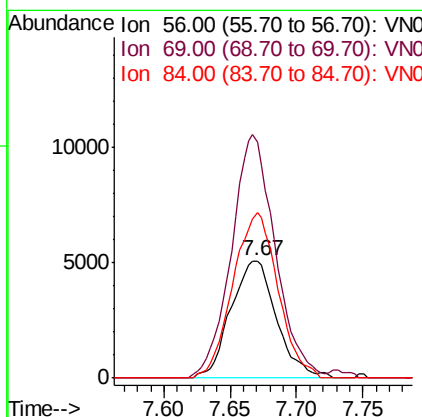
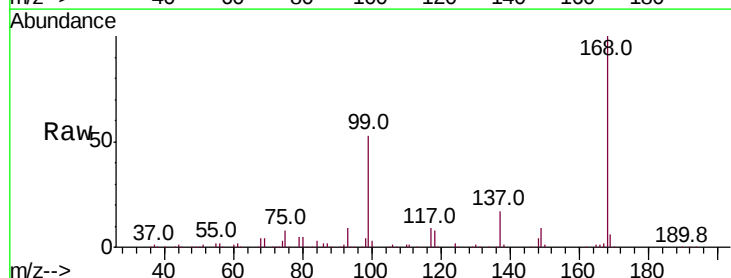
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MSVOA_N
ClientSampleId :
SLUDGE-A

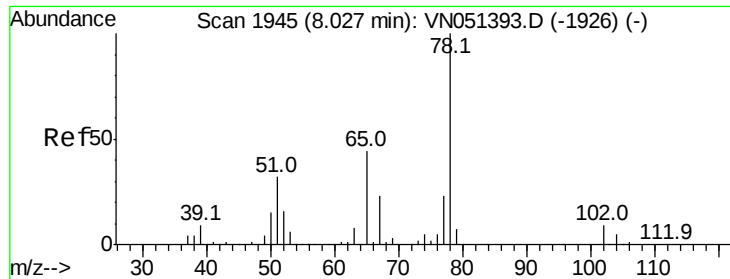
Tot Ion: 83 Resp: 11382
Ion Ratio Lower Upper
83 100
85 60.2 51.8 77.6



#31
Cyclohexane
Concen: 0.998 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

Tgt Ion: 56 Resp: 12233
Ion Ratio Lower Upper
56 100
69 200.9 25.8 38.6#
84 141.2 66.0 99.0#

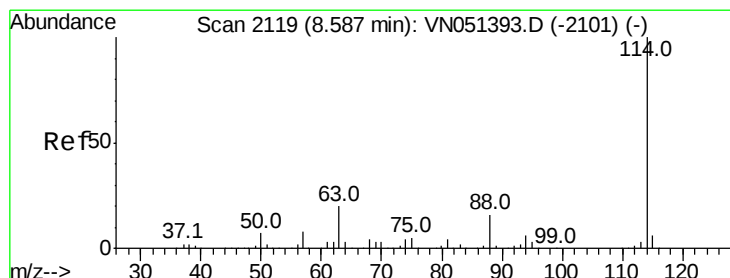
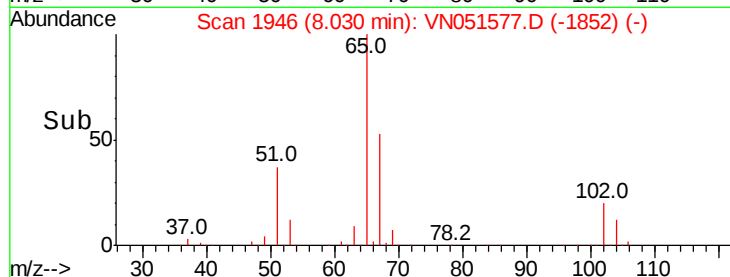
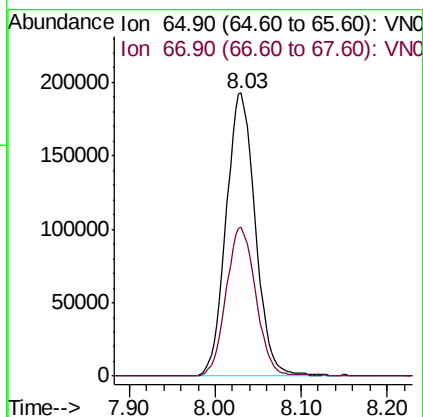
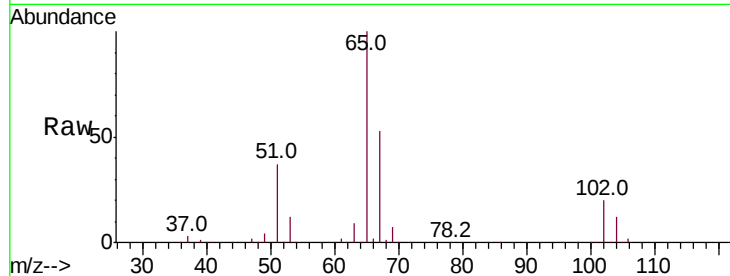




#33
 1,2-Dichloroethane-d4
 Concen: 58.593 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051577.D
 Acq: 27 Sep 2018 12:14

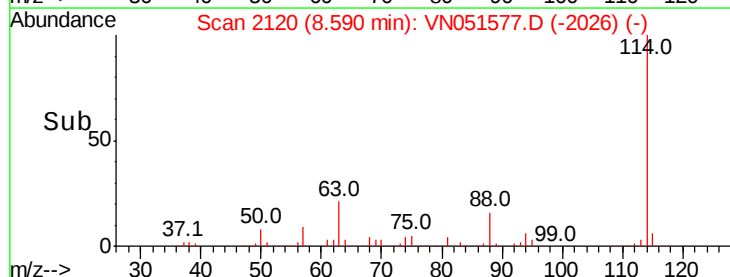
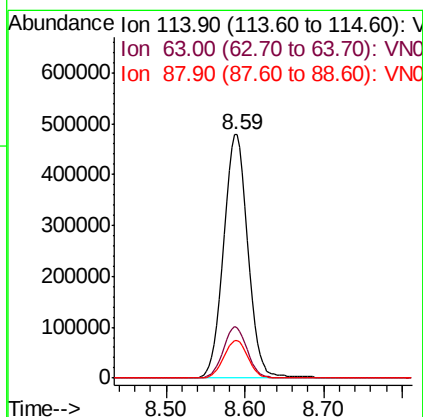
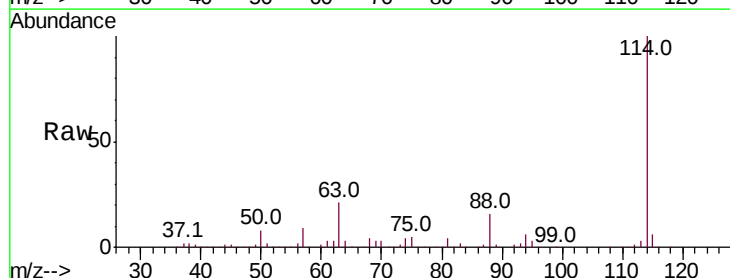
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 ClientSampleId :
 SLUDGE-A

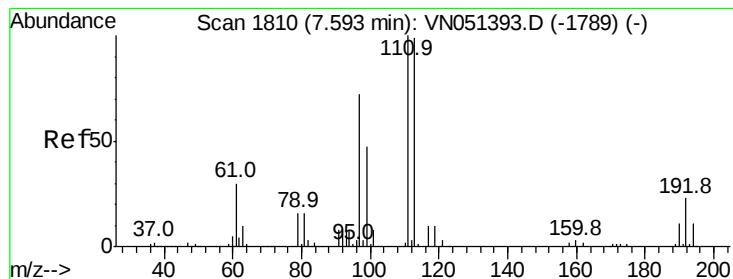
Tot Ion: 65 Resp: 456240
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051577.D
 Acq: 27 Sep 2018 12:14

Tgt Ion: 114 Resp: 1018611
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.453 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-A

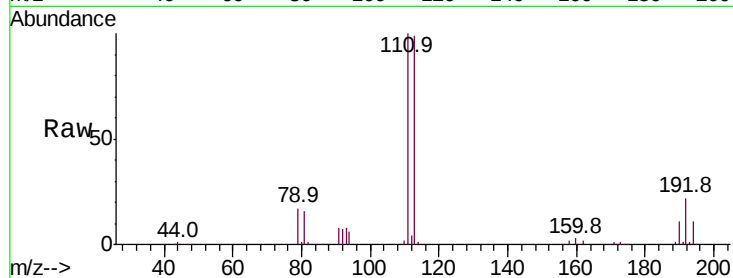
Tot Ion:113 Resp: 394669

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

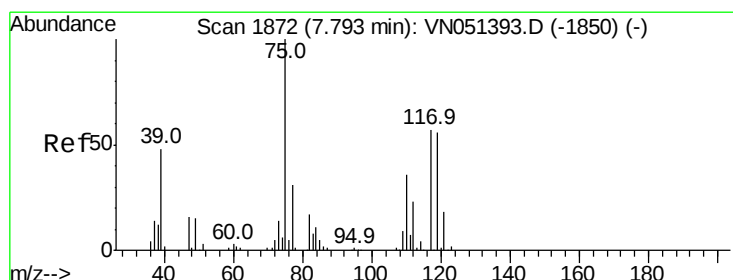
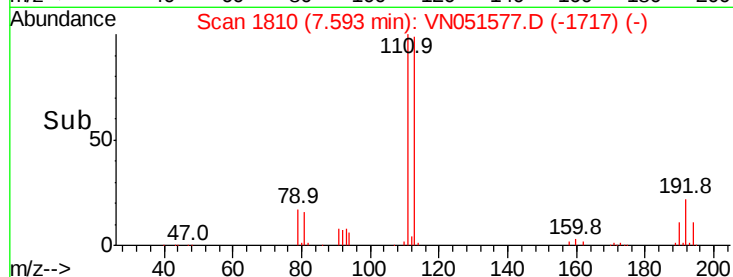
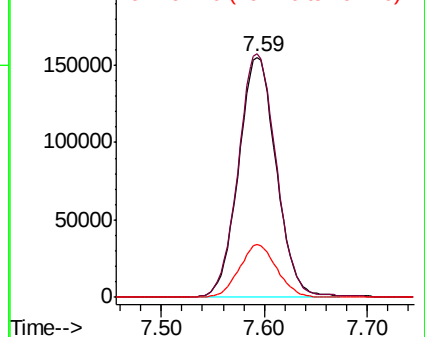
192 21.9 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.009 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

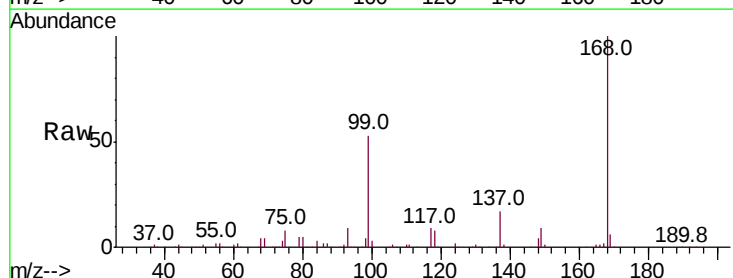
Tgt Ion: 75 Resp: 47284

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

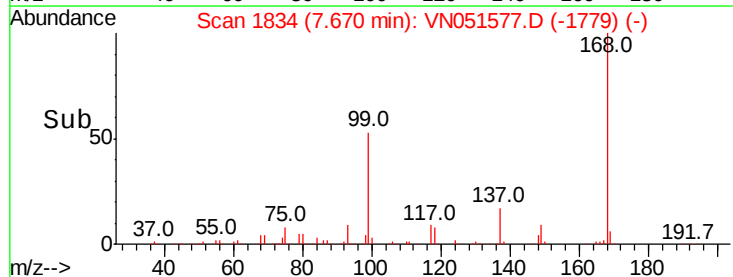
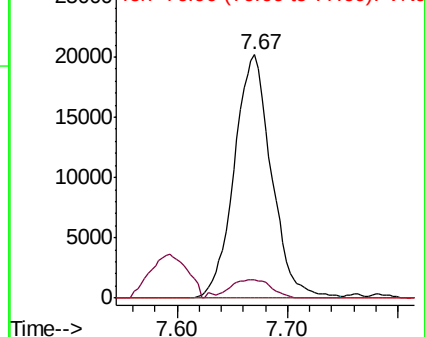
77 0.0 25.6 38.4#

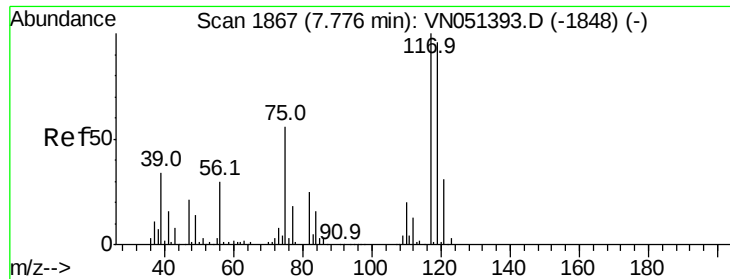


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 4.577 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-A

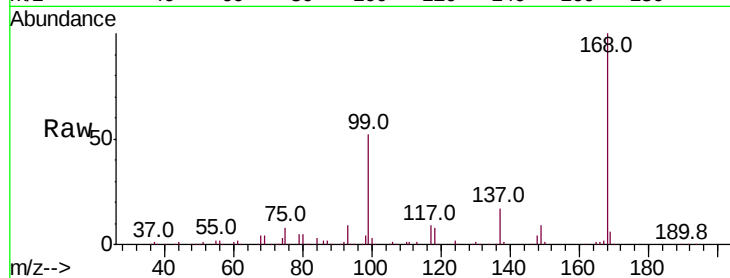
Tot Ion:117 Resp: 56465

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

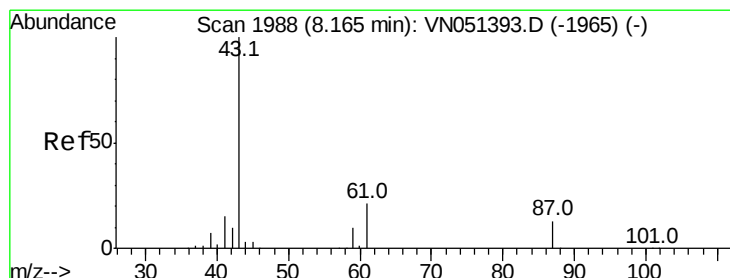
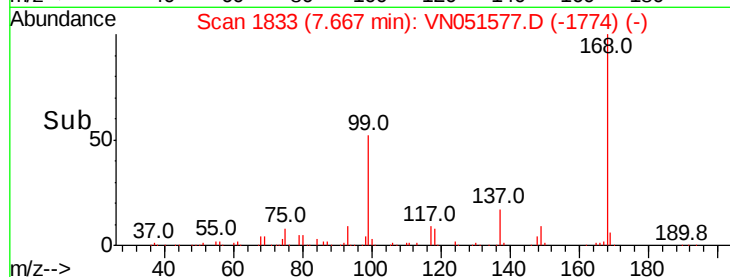
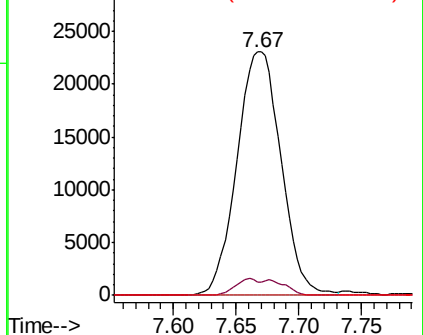
121 0.0 24.6 37.0#



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: 23.046 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

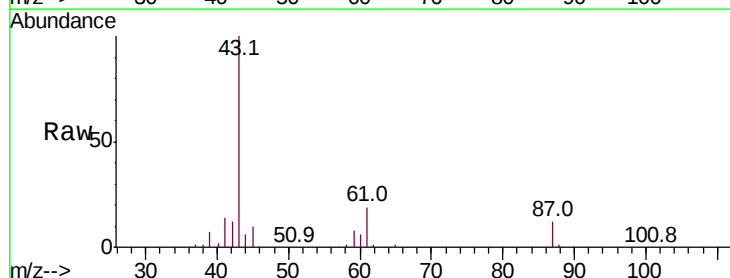
Tgt Ion: 43 Resp: 282634

Ion Ratio Lower Upper

43 100

61 17.1 16.8 25.2

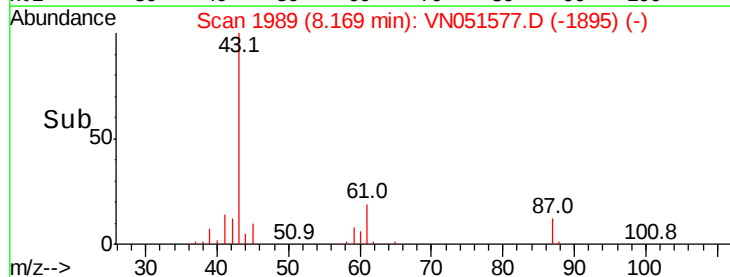
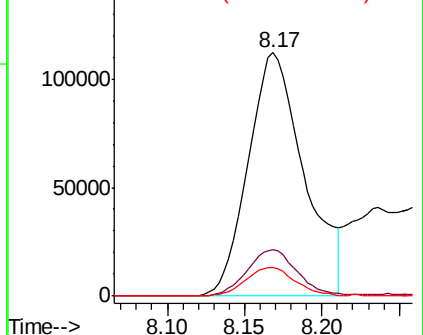
87 10.5 10.7 16.1#

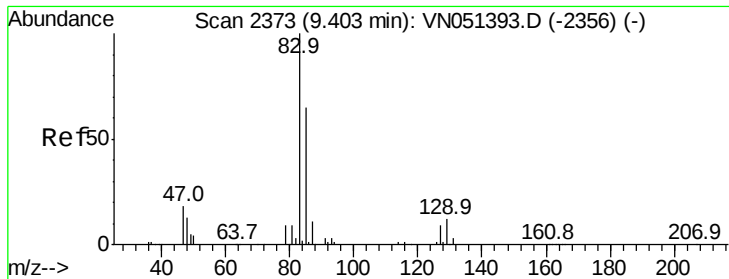


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.294 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-A

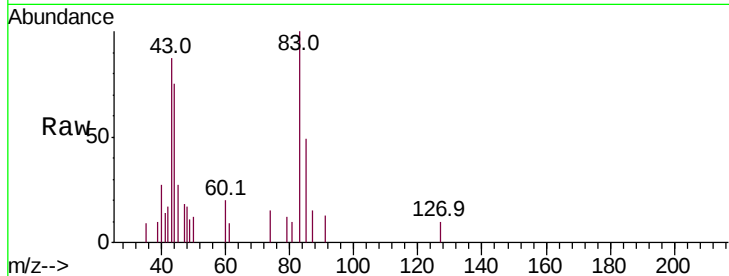
Tot Ion: 83 Resp: 3459

Ion Ratio Lower Upper

83 100

85 49.2 51.8 77.6#

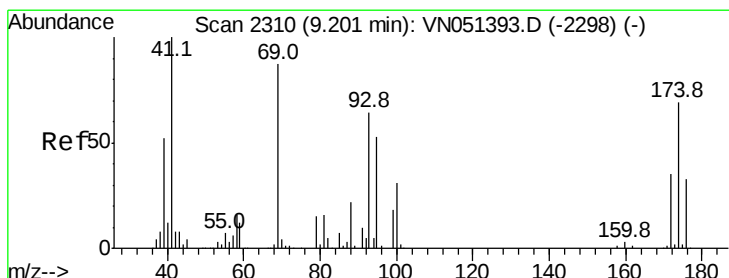
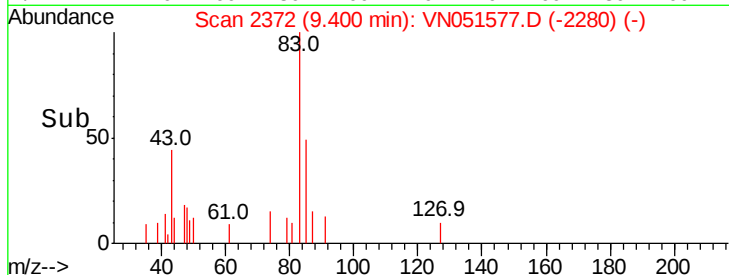
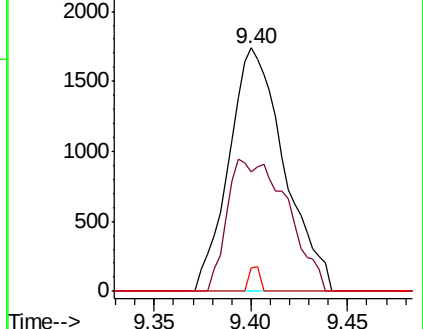
127 9.6 7.4 11.2



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

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

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



#48

Methyl methacrylate

Concen: 1.084 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

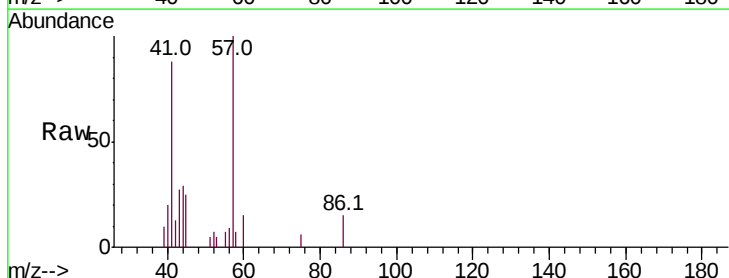
Tgt Ion: 41 Resp: 6626

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

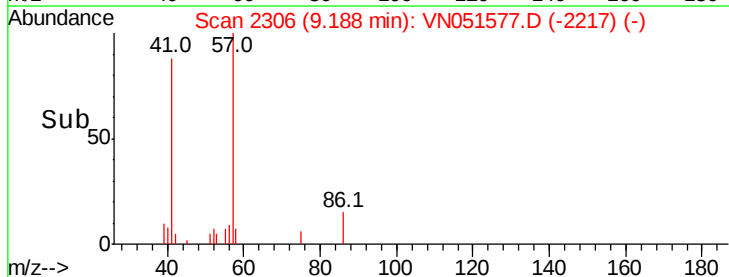
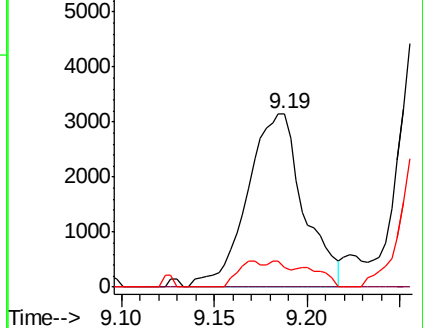
39 7.4 43.8 65.8#

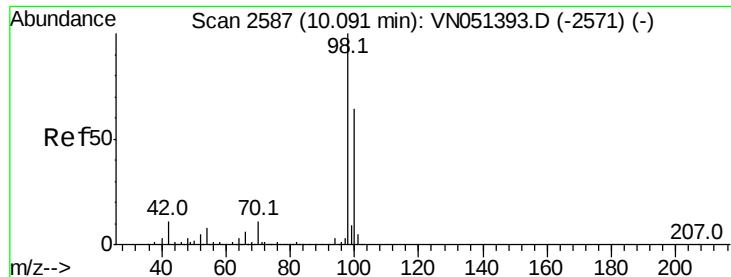


Abundance Ion 41.00 (40.70 to 41.70): VN051577.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051577.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051577.D (-2217) (-)





#50

Toluene-d8

Concen: 46.752 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

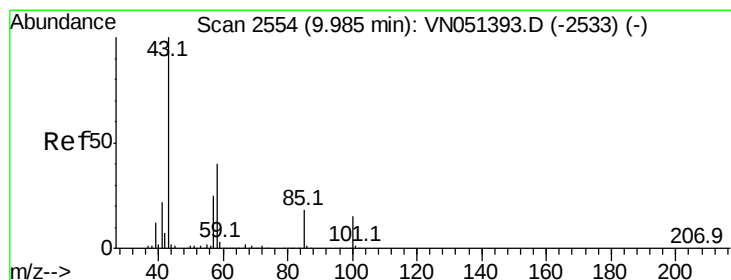
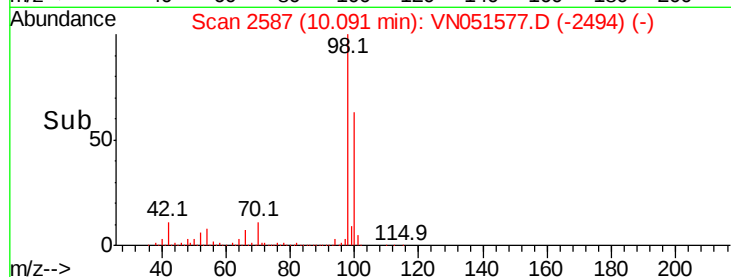
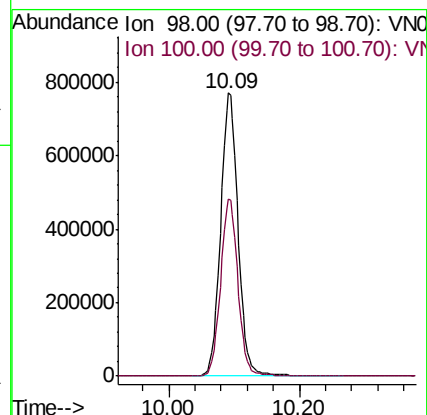
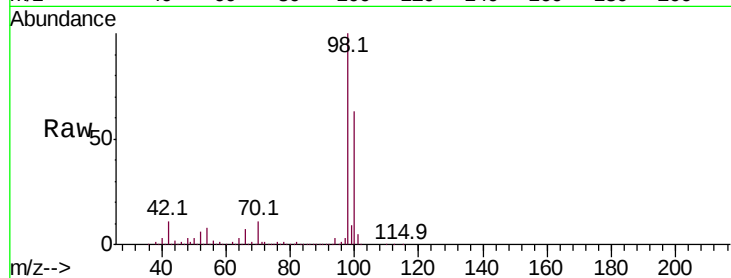
SLUDGE-A

Tot Ion: 98 Resp: 1434018

Ion Ratio Lower Upper

98 100

100 62.5 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 0.301 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051577.D

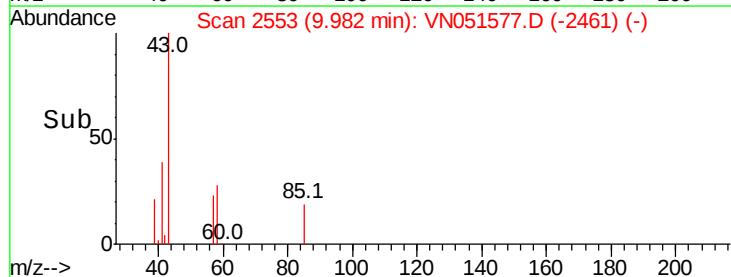
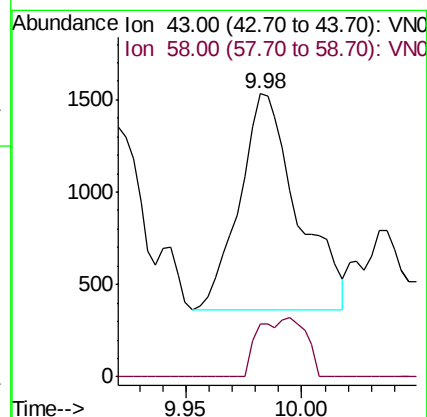
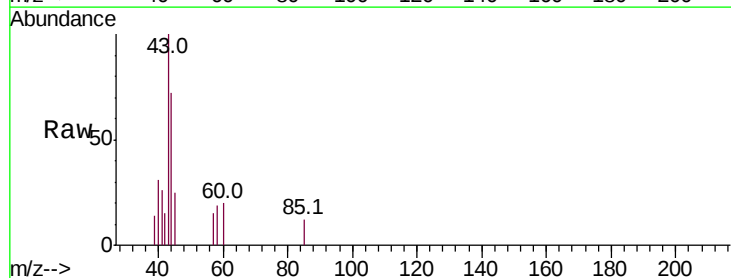
Acq: 27 Sep 2018 12:14

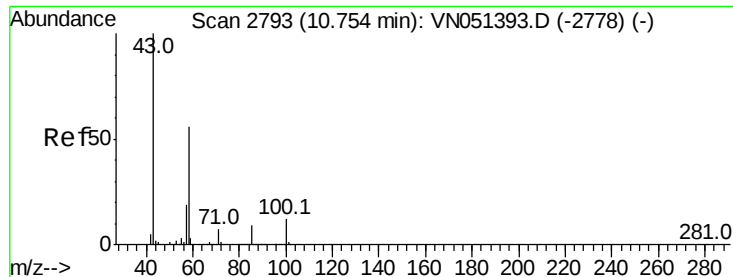
Tgt Ion: 43 Resp: 2032

Ion Ratio Lower Upper

43 100

58 22.7 31.5 47.3#

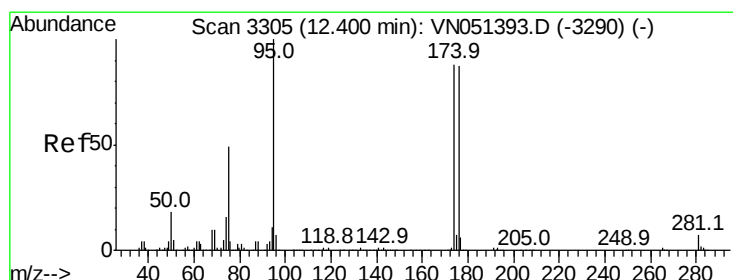
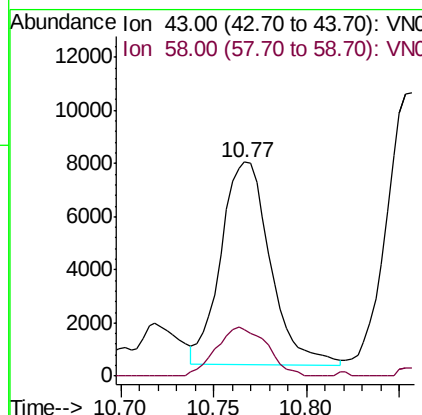
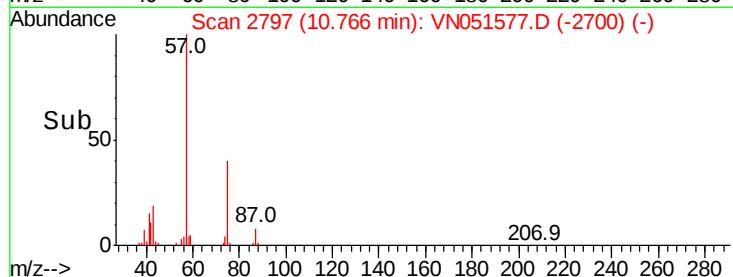
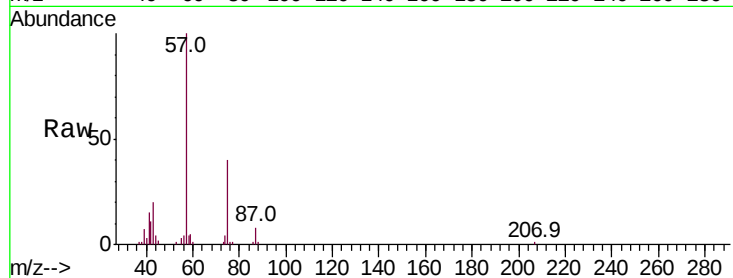




#59
2-Hexanone
Concen: 3.219 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

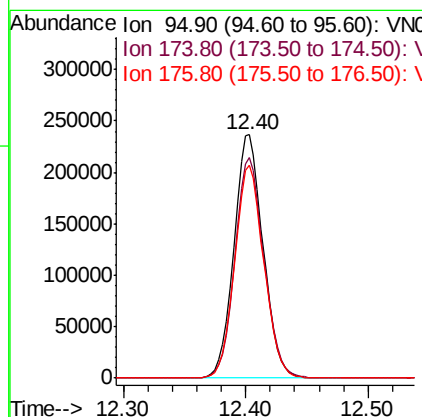
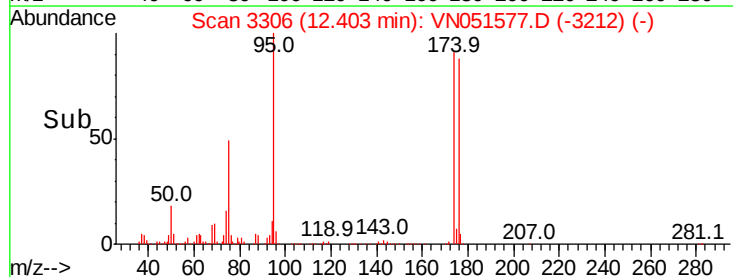
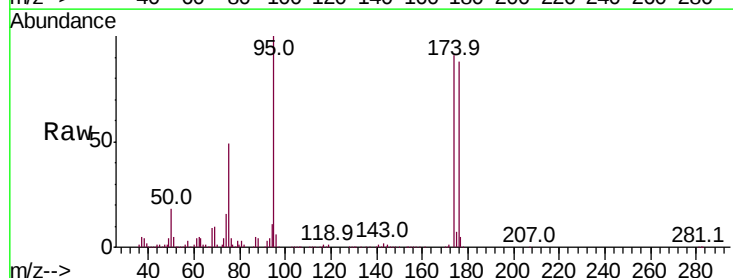
Instrument :
MSVOA_N
ClientSampled :
SLUDGE-A

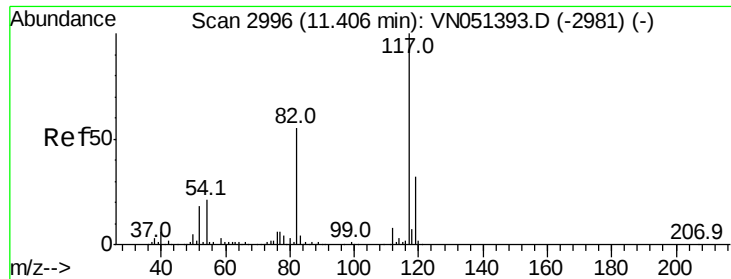
Tot Ion: 43 Resp: 14076
Ion Ratio Lower Upper
43 100
58 25.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 39.490 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

Tgt Ion: 95 Resp: 391842
Ion Ratio Lower Upper
95 100
174 90.3 0.0 181.6
176 87.5 0.0 176.4

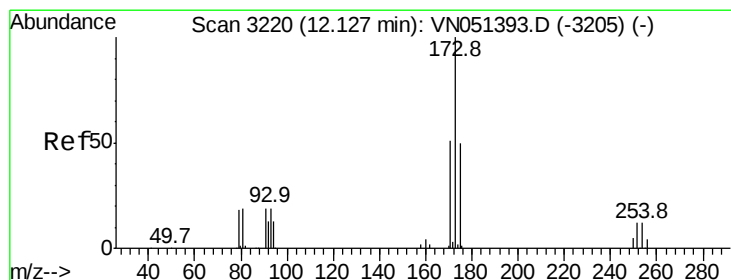
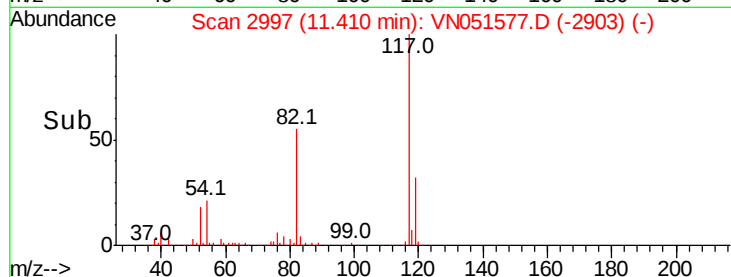
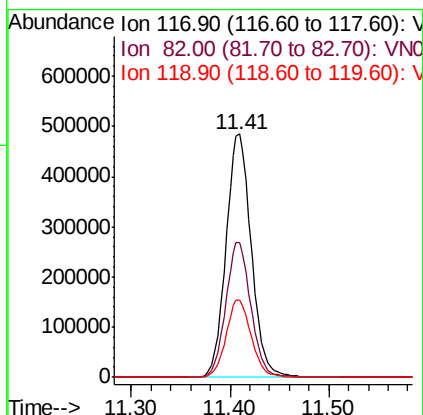
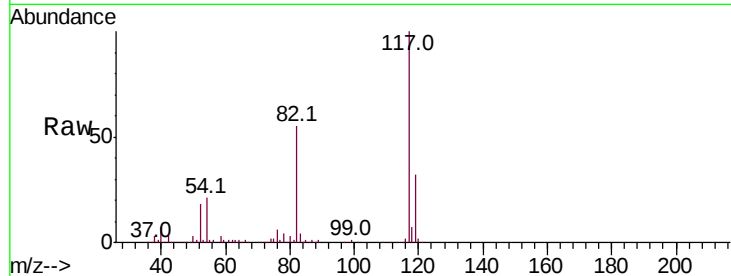




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

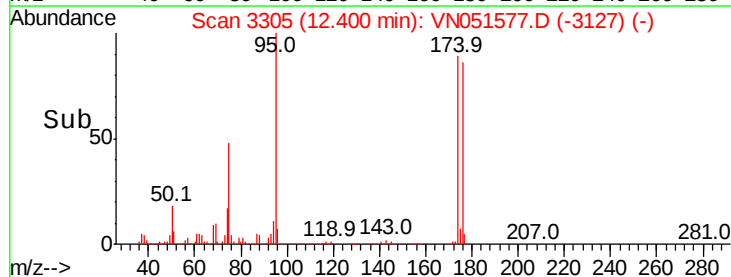
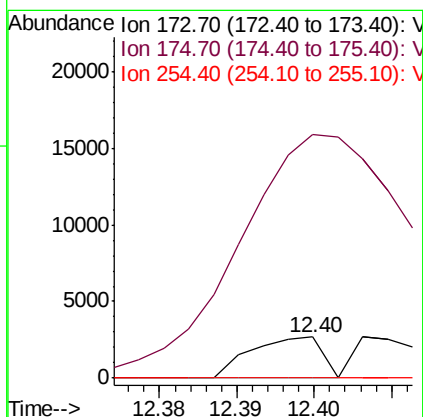
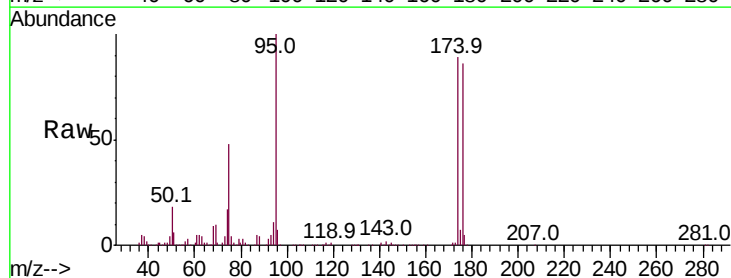
Instrument :
MSVOA_N
ClientSampled :
SLUDGE-A

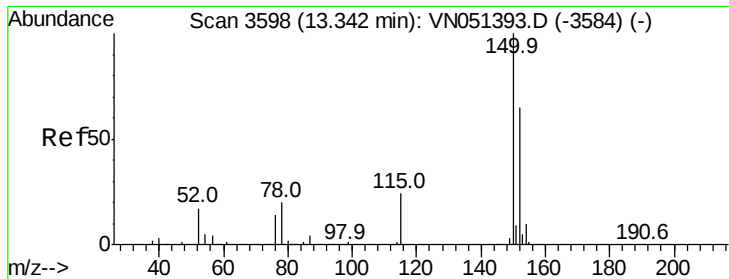
Tot Ion:117 Resp: 868122
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.9 25.9 38.9



#71
Bromoform
Concen: 0.298 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051577.D
Acq: 27 Sep 2018 12:14

Tgt Ion:173 Resp: 1714
Ion Ratio Lower Upper
173 100
175 1308.8 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-A

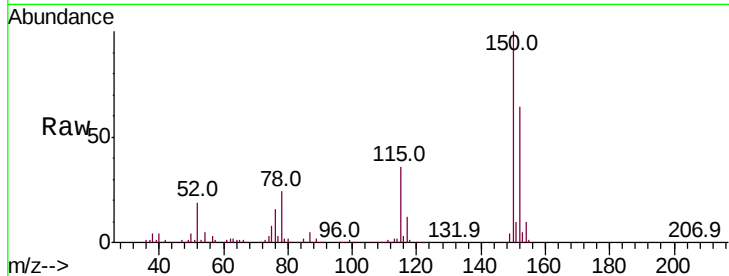
Tot Ion:152 Resp: 320406

Ion Ratio Lower Upper

152 100

115 57.1 28.3 84.9

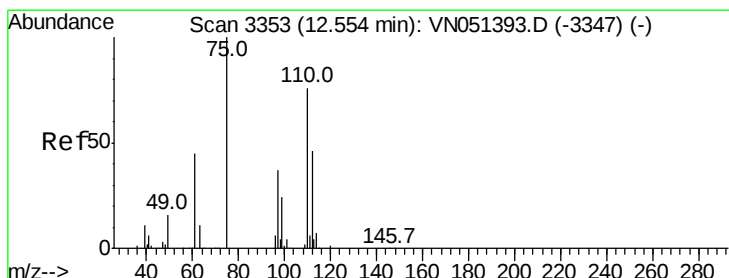
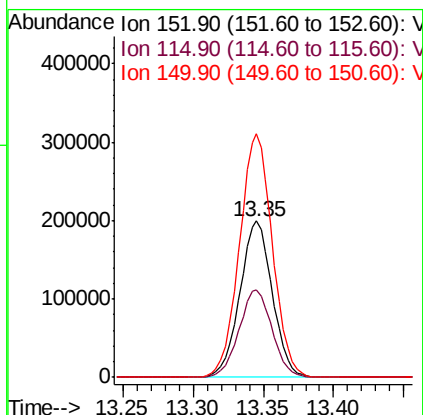
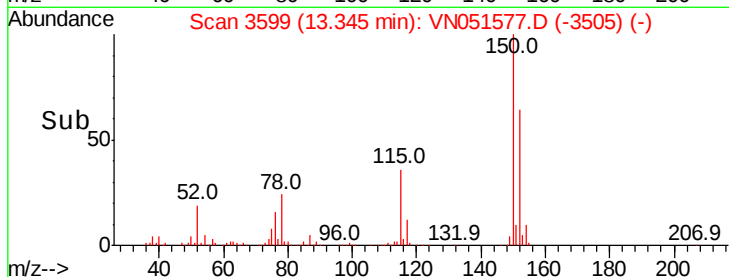
150 158.2 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.954 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051577.D

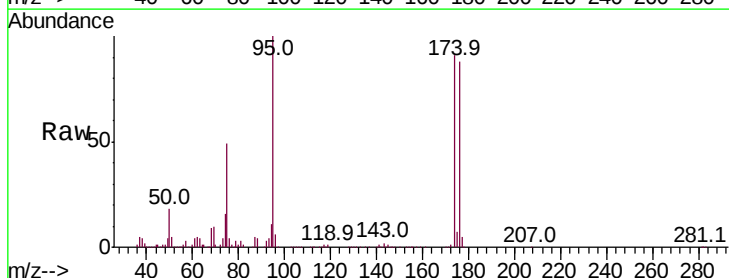
Acq: 27 Sep 2018 12:14

Tgt Ion: 75 Resp: 196556

Ion Ratio Lower Upper

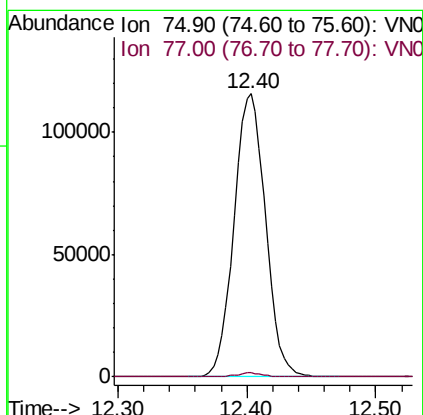
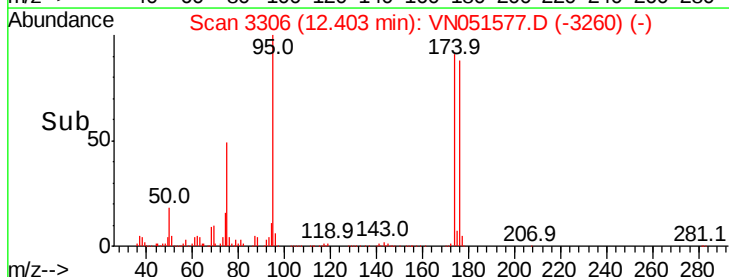
75 100

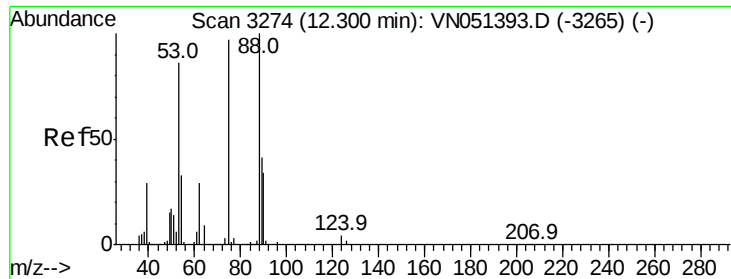
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.631 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051577.D

Acq: 27 Sep 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

SLUDGE-A

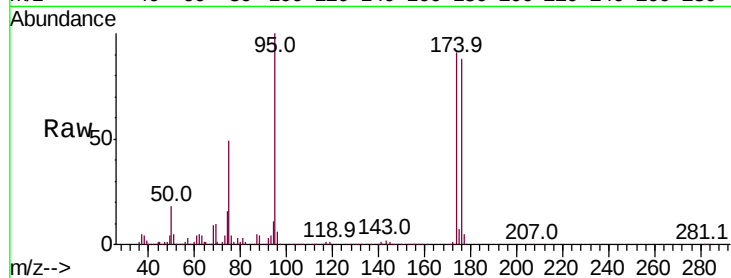
Tot Ion: 75 Resp: 196556

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

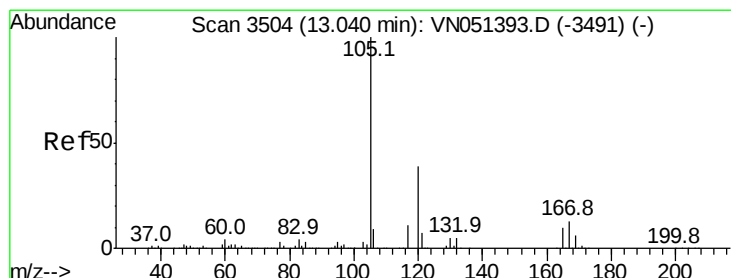
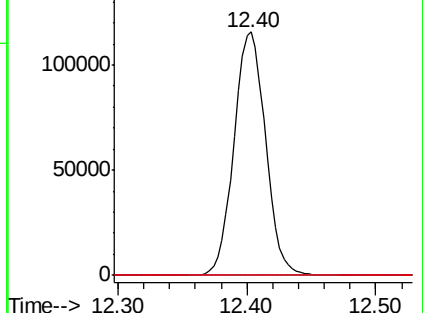
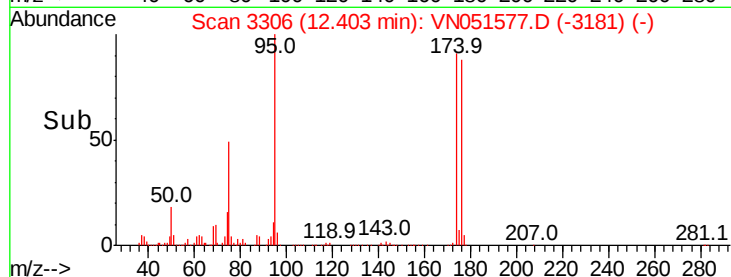
89 0.0 36.7 55.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.440 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051577.D

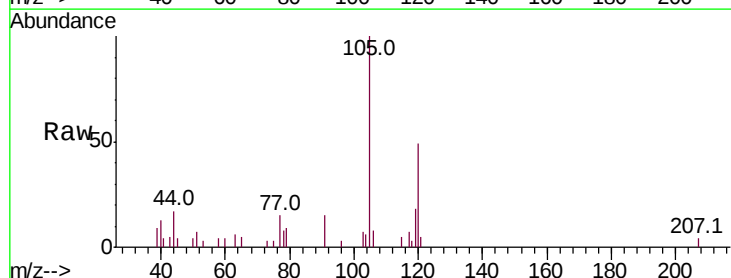
Acq: 27 Sep 2018 12:14

Tgt Ion: 105 Resp: 9771

Ion Ratio Lower Upper

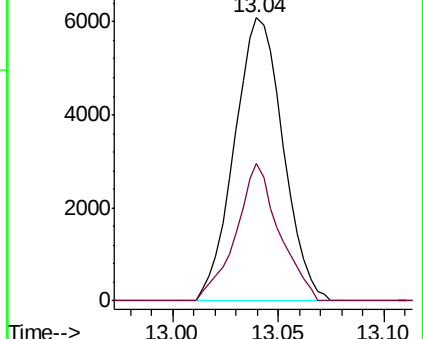
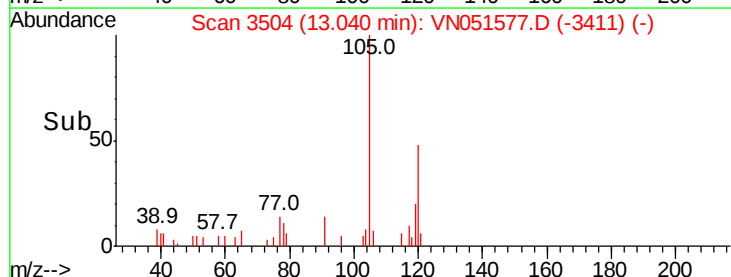
105 100

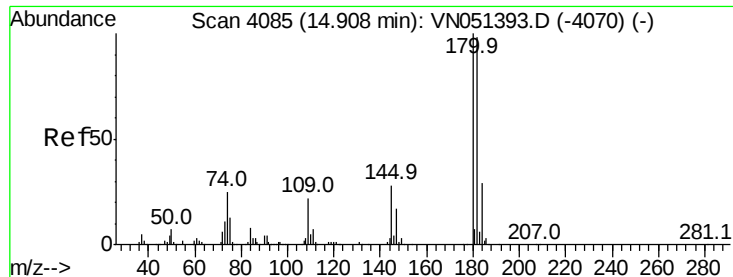
120 43.0 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

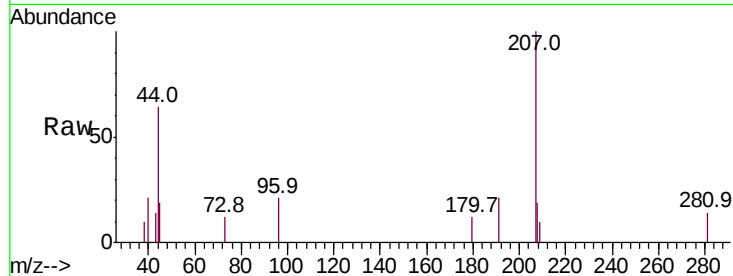




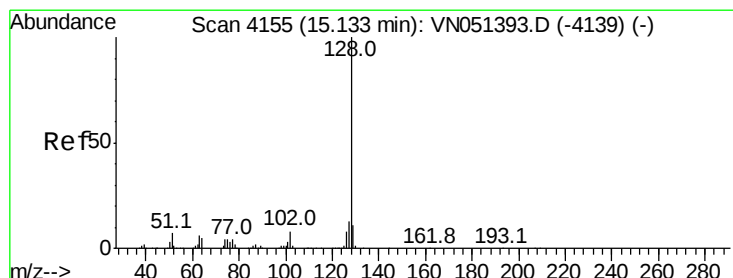
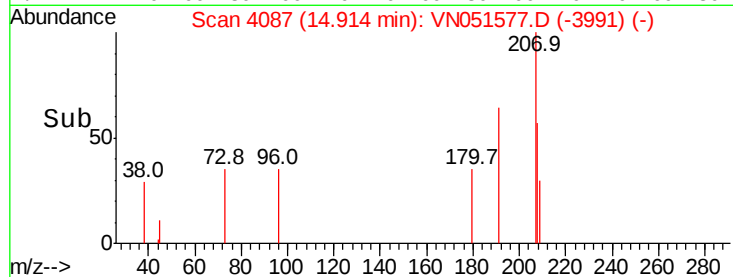
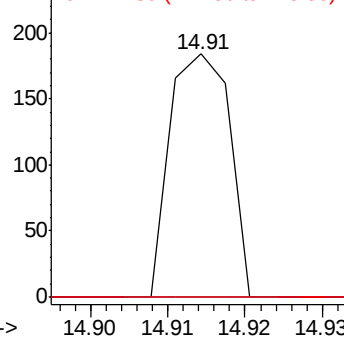
#93
 1,2,4-Trichlorobenzene
 Concen: 5.996 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051577.D
 Acq: 27 Sep 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 SLUDGE-A

Tot Ion:180 Resp: 99
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.5 145.6#
 145 0.0 14.1 42.4#

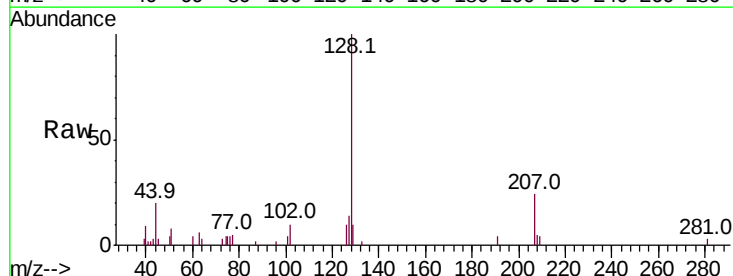


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 8.944 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051577.D
 Acq: 27 Sep 2018 12:14

Tgt Ion:128 Resp: 12780
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.5 15.7
 129 9.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

