

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050821.D
 Acq On : 22 Aug 2018 15:51
 Operator : MD\SY
 Sample : J4586-01 10X
 Misc : 7.01µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-275-UST-SLUDGE

Quant Time: Aug 23 01:06:10 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	696641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1126166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	459885	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	453320	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	429387	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	1550711	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	514273	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2786	0.24	ug/l	# 80
5) Bromomethane	2.56	94	3695	Below	Cal	# 81
10) Methyl Iodide	3.96	142	1247	6.48	ug/l	# 78
11) Tert butyl alcohol	4.79	59	181	0.34	ug/l	# 72
13) Acrolein	3.62	56	33	18.01	ug/l	# 14
16) Acetone	3.82	43	2366	Below	Cal	# 74
18) Methyl Acetate	4.34	43	8881	1.12	ug/l	# 94
31) Cyclohexane	7.67	56	12479	1.33	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46980	3.54	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	61752	4.60	ug/l	# 17
43) Isopropyl Acetate	8.26	43	103868	7.91	ug/l	# 59
51) 4-Methyl-2-Pentanone	10.09	43	6275	0.80	ug/l	# 1
55) 1,1,2-Trichloroethane	10.53	97	3167	0.36	ug/l	# 19
56) Ethyl methacrylate	10.44	69	1187	2.45	ug/l	# 1
59) 2-Hexanone	10.72	43	5806	1.11	ug/l	# 23
68) m/p-Xylenes	11.62	106	25480	1.60	ug/l	# 96
69) o-Xylene	11.95	106	53298	3.49	ug/l	# 96
70) Styrene	11.95	104	3671	1.40	ug/l	# 1
74) N-amyl acetate	12.05	43	43461	4.54	ug/l	# 72
75) 1,1,2,2-Tetrachloroethane	12.45	83	2607	Below	Cal	# 1
76) 1,2,3-Trichloropropane	12.40	75	243175	30.19	ug/l	# 100
78) n-propylbenzene	12.59	91	10838	0.25	ug/l	# 52
79) 2-Chlorotoluene	12.65	91	62568	2.36	ug/l	# 40
80) 1,3,5-Trimethylbenzene	12.73	105	712957	23.20	ug/l	# 99
81) trans-1,4-Dichloro-2-buten	12.40	75	243175	102.06	ug/l	# 15
82) 4-Chlorotoluene	12.73	91	71399	2.73	ug/l	# 42
83) tert-Butylbenzene	13.04	119	64457	2.42	ug/l	# 70
84) 1,2,4-Trimethylbenzene	13.04	105	526072	17.02	ug/l	# 99
85) sec-Butylbenzene	13.04	105	526072	15.09	ug/l	# 56
86) p-Isopropyltoluene	13.29	119	99062	3.33	ug/l	# 99
89) n-Butylbenzene	13.58	91	167492	7.05	ug/l	# 1
90) Hexachloroethane	13.89	117	79313	14.14	ug/l	# 4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5471	4.00	ug/l	# 3
93) 1,2,4-Trichlorobenzene	14.92	180	813	4.17	ug/l	# 12

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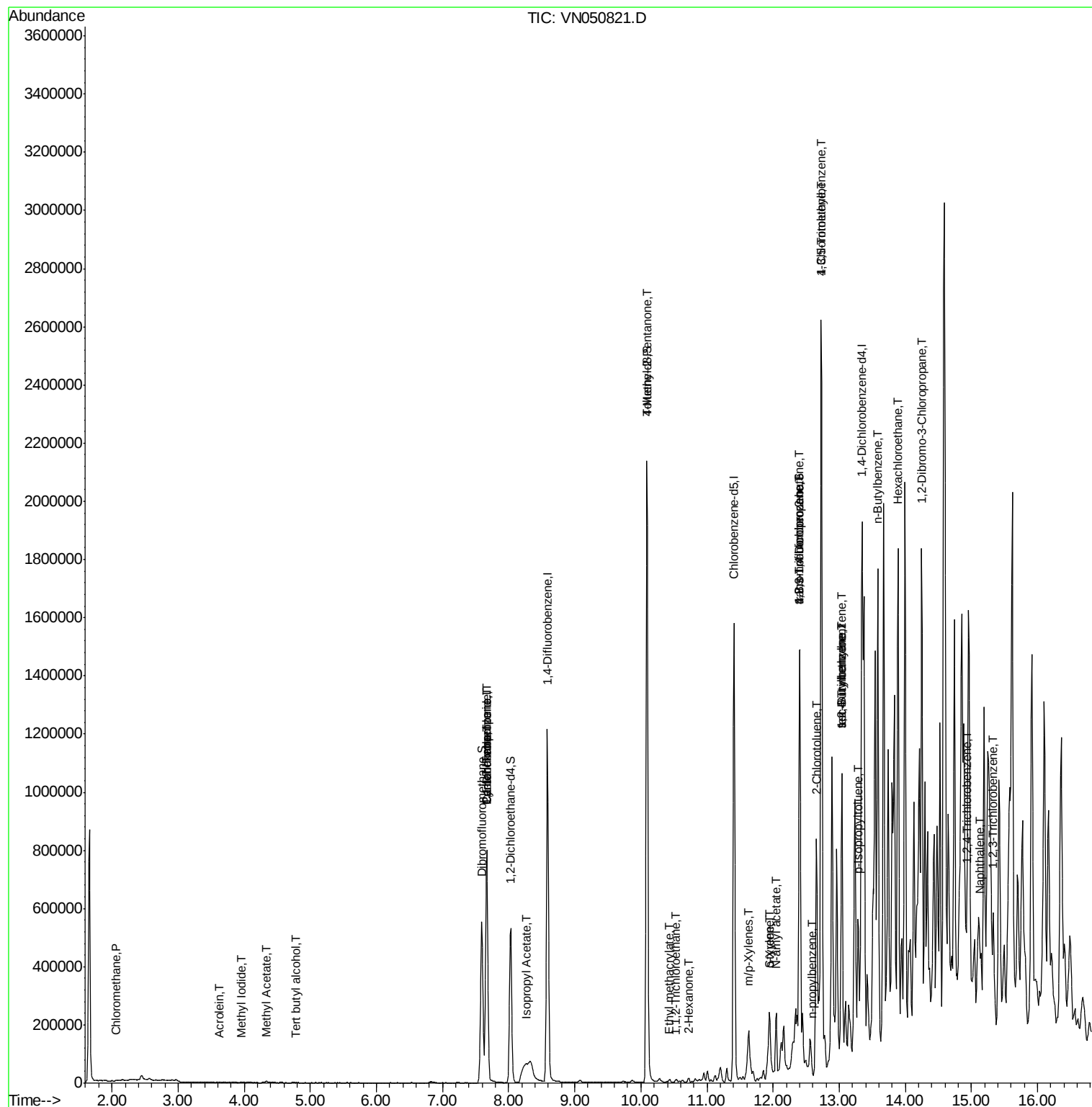
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	26556	6.69	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.34	180	178	3.32	ug/l #	1

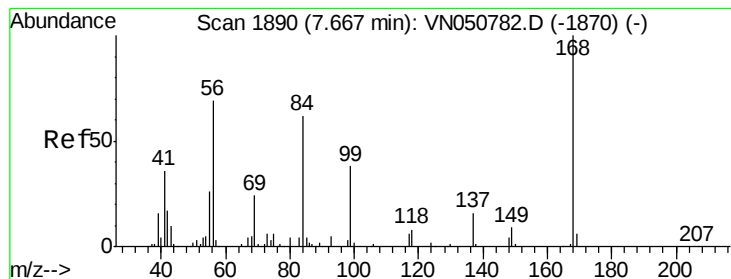
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

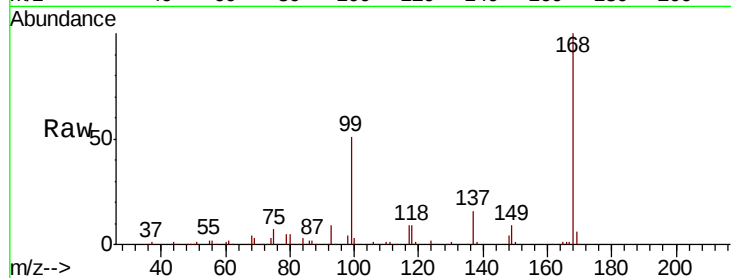
EP1-275-UST-SLUDGE

Tot Ion:168 Resp: 696641

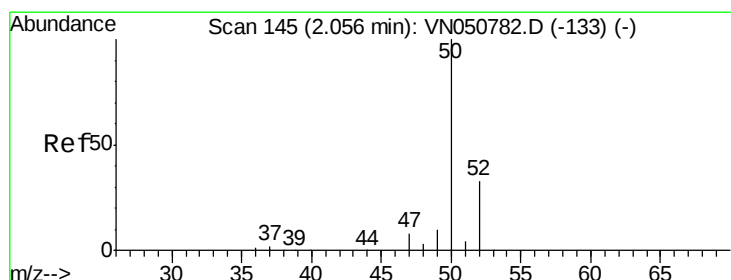
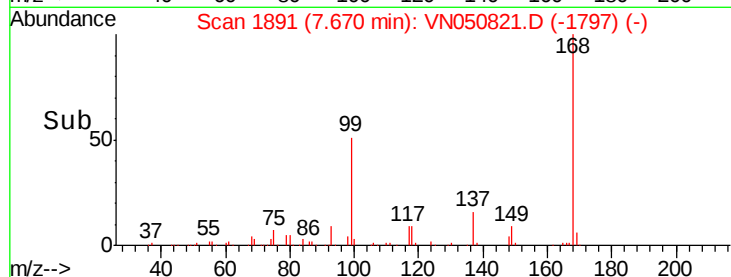
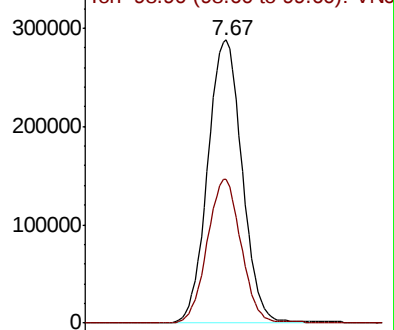
Ion Ratio Lower Upper

168 100

99 50.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050821.D (-1797) (-)



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050821.D

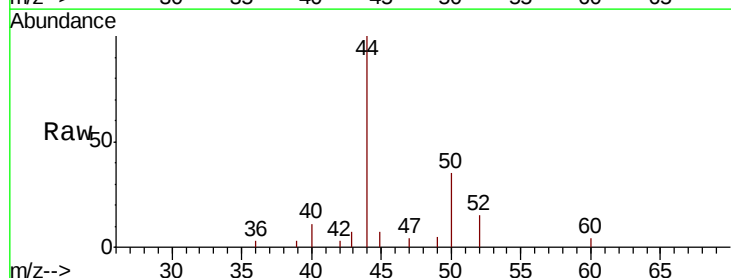
Acq: 22 Aug 2018 15:51

Tgt Ion: 50 Resp: 2786

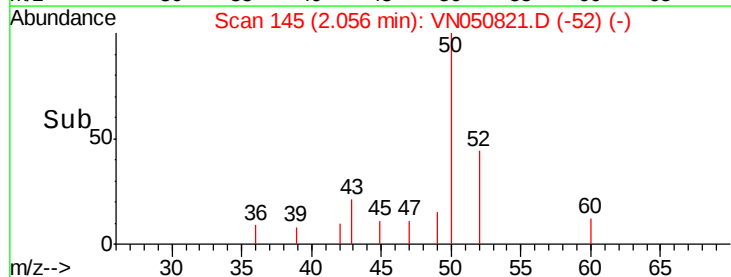
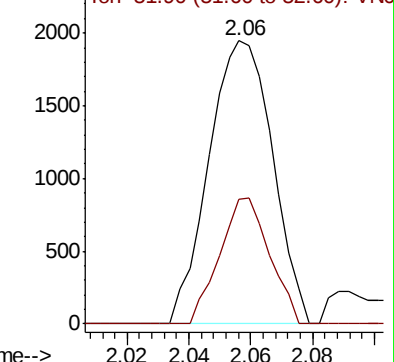
Ion Ratio Lower Upper

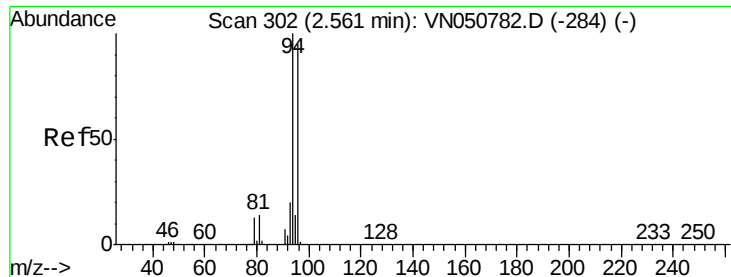
50 100

52 44.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN050821.D (-52) (-)





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

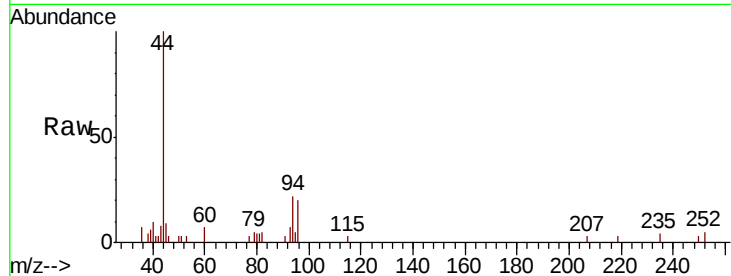
EP1-275-UST-SLUDGE

Tot Ion: 94 Resp: 3695

Ion Ratio Lower Upper

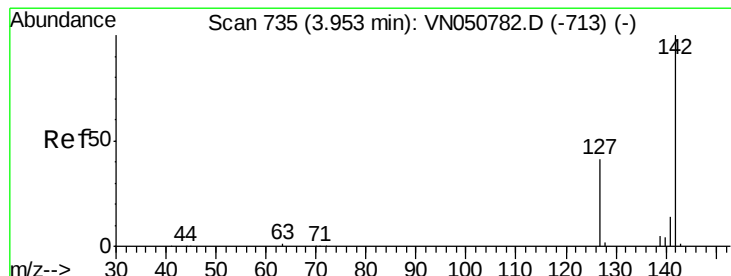
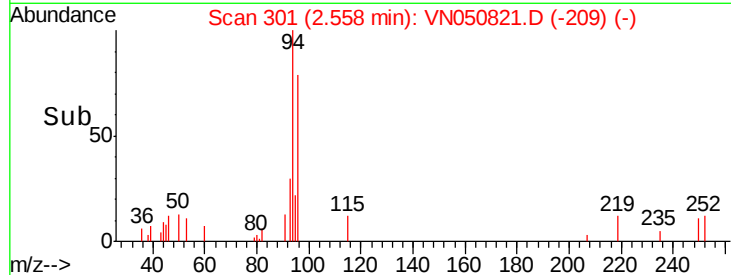
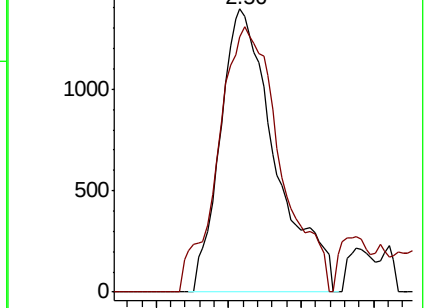
94 100

96 76.9 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050821.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050821.D (-284) (-)



#10

Methyl Iodide

Concen: 6.48 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.01 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

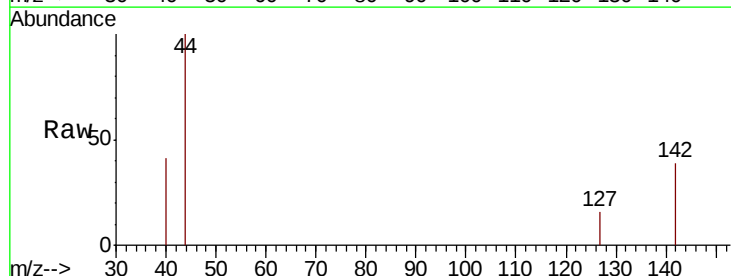
Tgt Ion: 142 Resp: 1247

Ion Ratio Lower Upper

142 100

127 28.9 31.7 47.5#

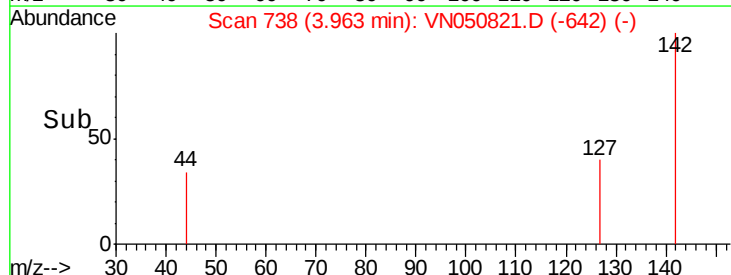
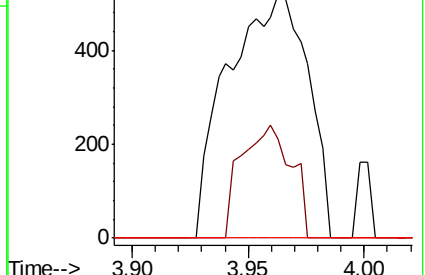
141 0.0 11.4 17.0#

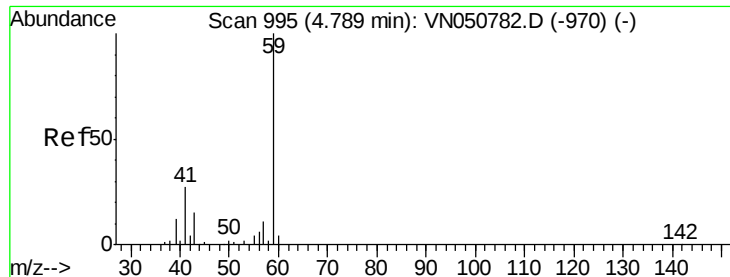


Abundance Ion 141.80 (141.50 to 142.50): VN050821.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050821.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050821.D (-713) (-)

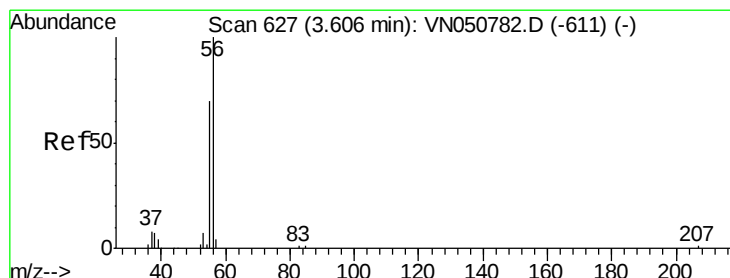
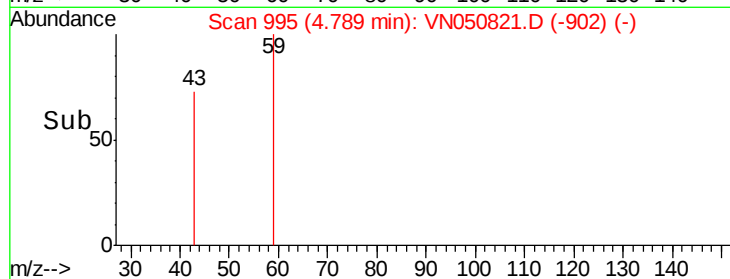
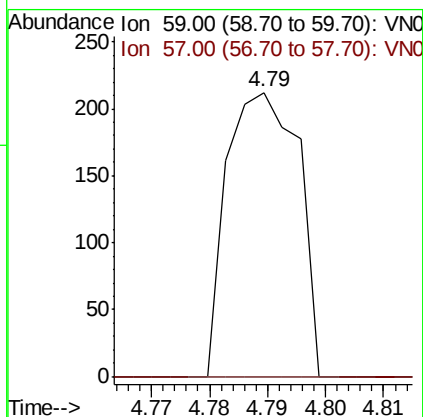
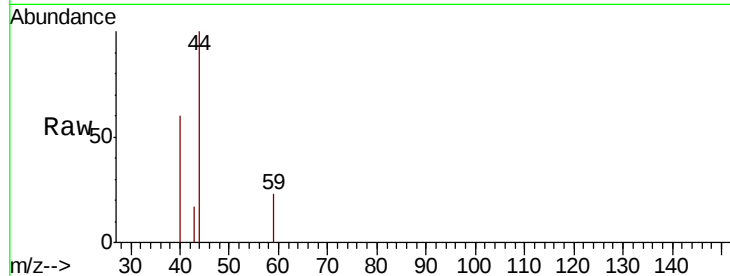




#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 4.79 min Scan# 995
Delta R.T. 0.00 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

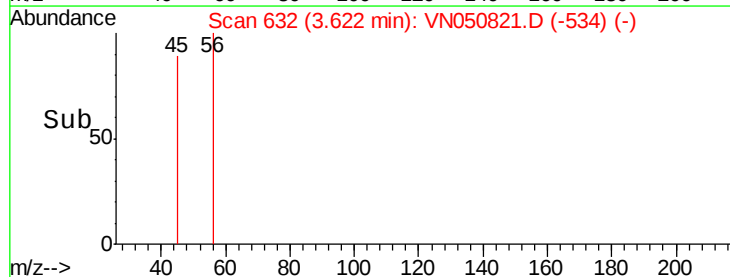
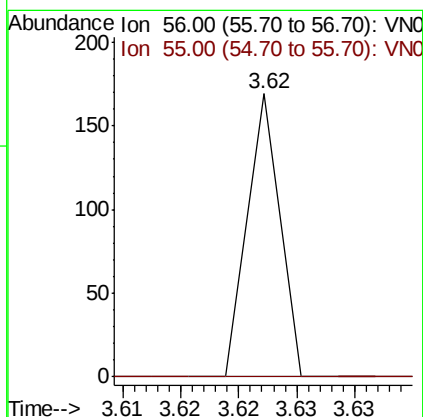
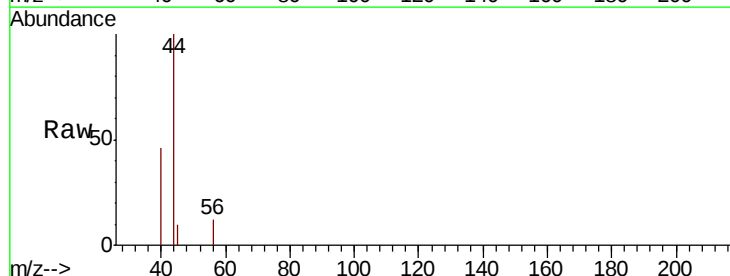
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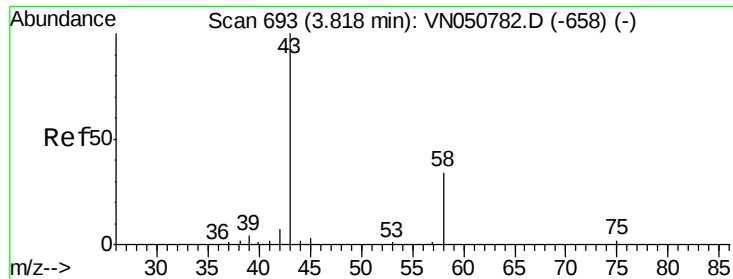
Tot Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 18.01 ug/l
RT: 3.62 min Scan# 632
Delta R.T. 0.02 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

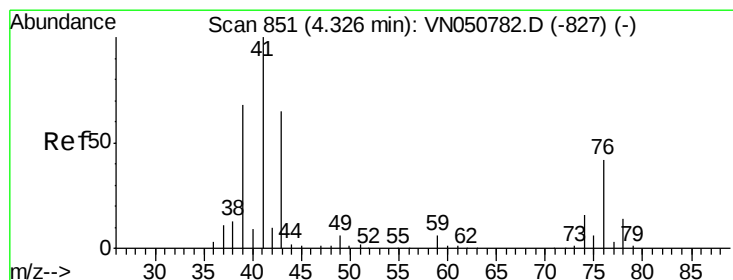
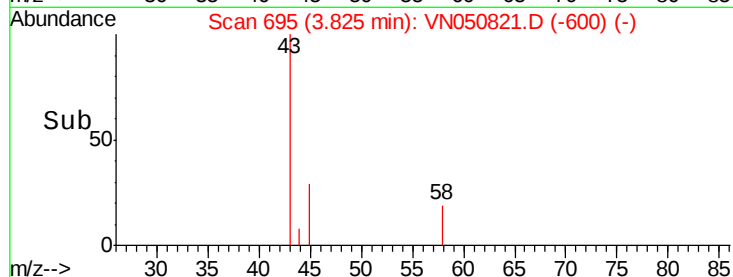
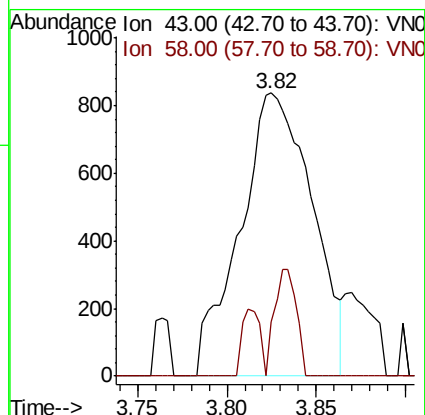
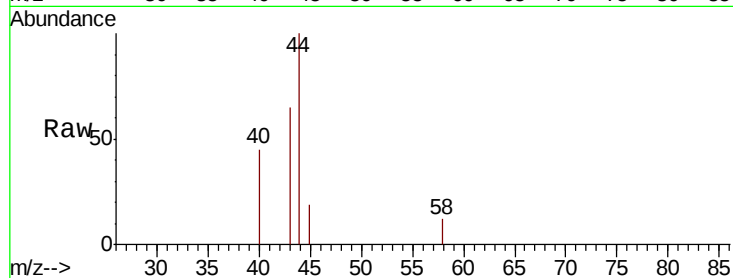
EP1-275-UST-SLUDGE

Tot Ion: 43 Resp: 2366

Ion Ratio Lower Upper

43 100

58 19.0 27.2 40.8#



#18

Methyl Acetate

Concen: 1.12 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050821.D

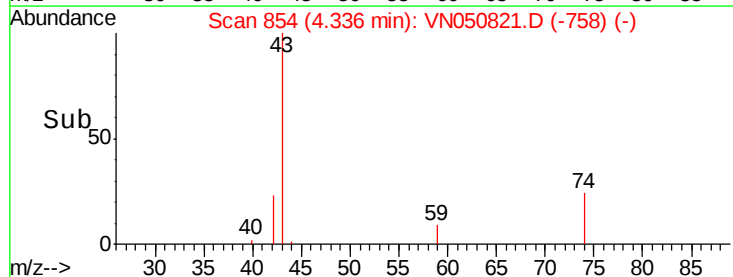
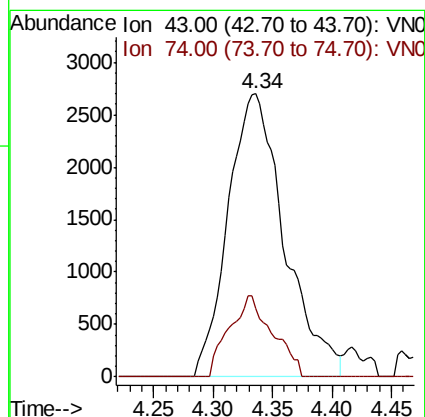
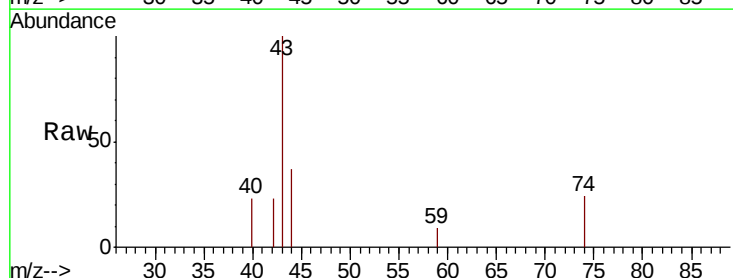
Acq: 22 Aug 2018 15:51

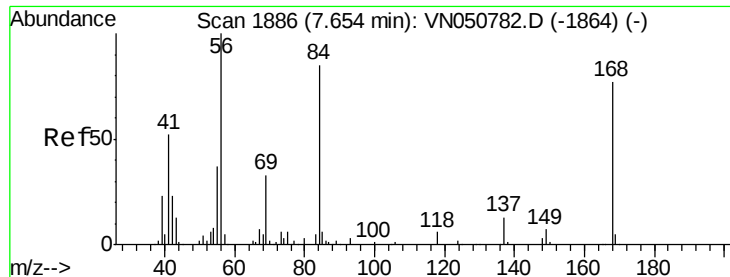
Tgt Ion: 43 Resp: 8881

Ion Ratio Lower Upper

43 100

74 21.9 19.8 29.8





#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

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ClientSampleId :

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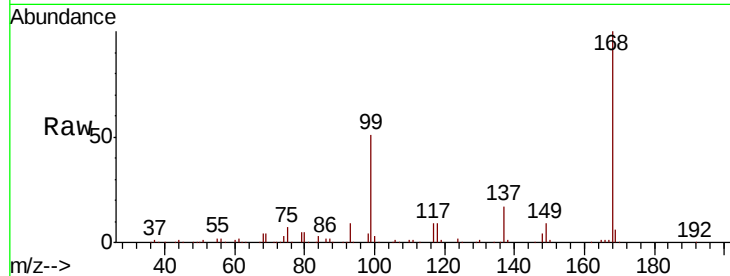
Tot Ion: 56 Resp: 12479

Ion Ratio Lower Upper

56 100

69 194.4 26.2 39.4#

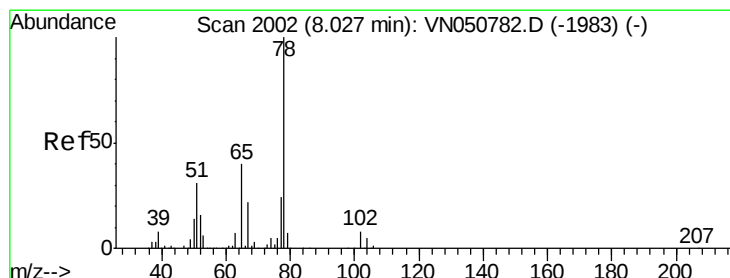
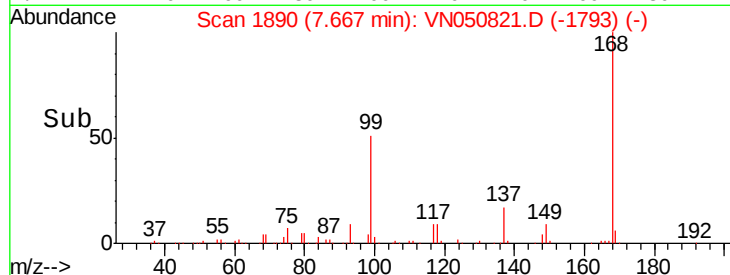
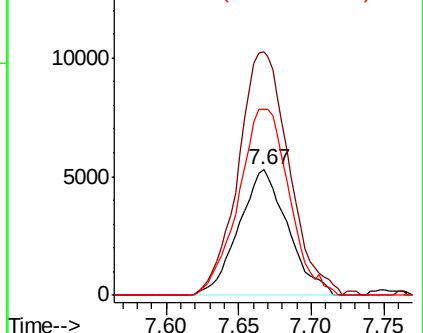
84 148.9 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.05 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN050821.D

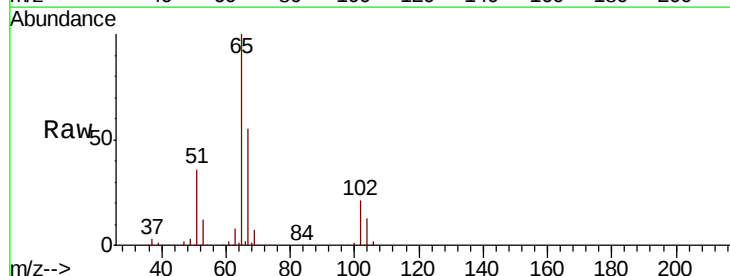
Acq: 22 Aug 2018 15:51

Tgt Ion: 65 Resp: 453320

Ion Ratio Lower Upper

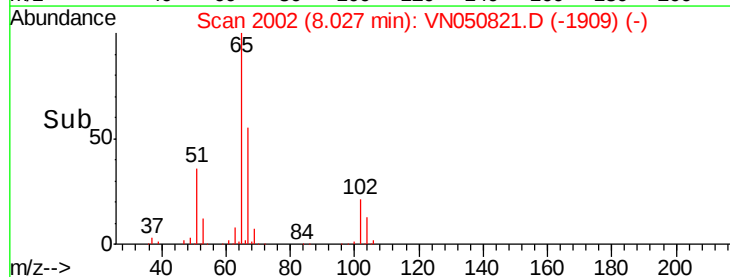
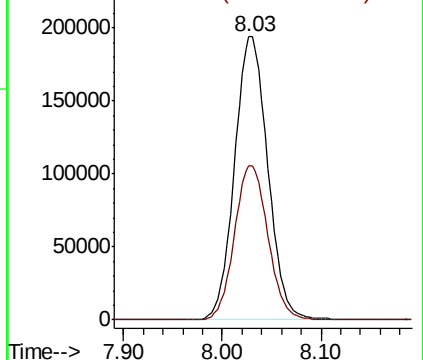
65 100

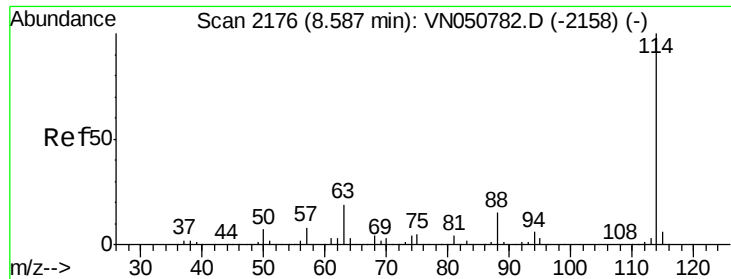
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

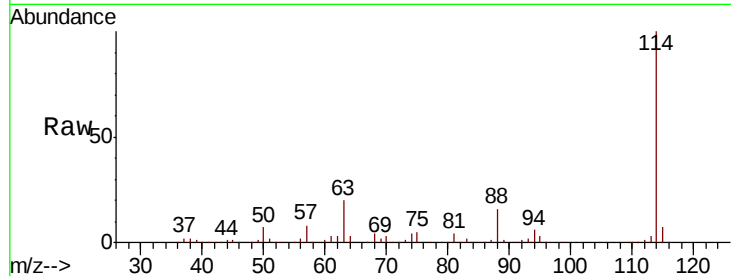




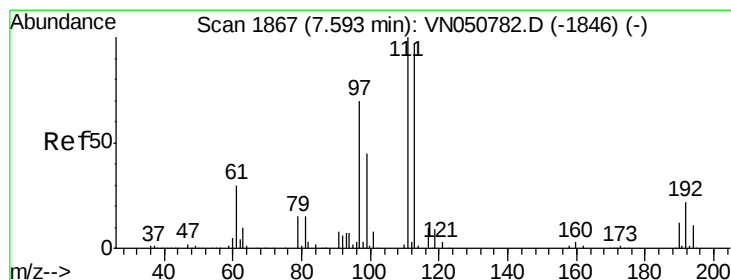
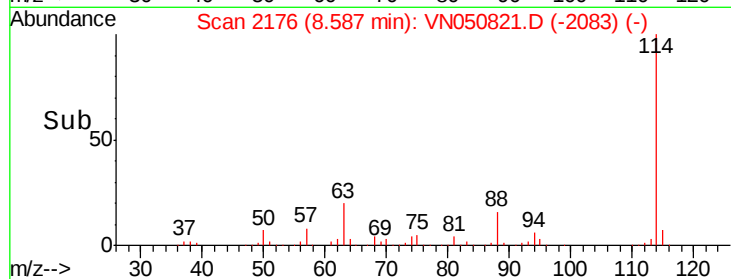
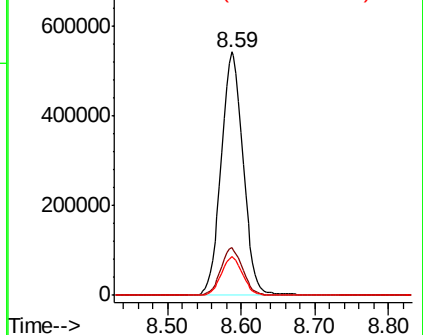
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

Instrument :
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 EP1-275-UST-SLUDGE

Tot Ion:114 Resp: 1126166
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.8 0.0 30.6

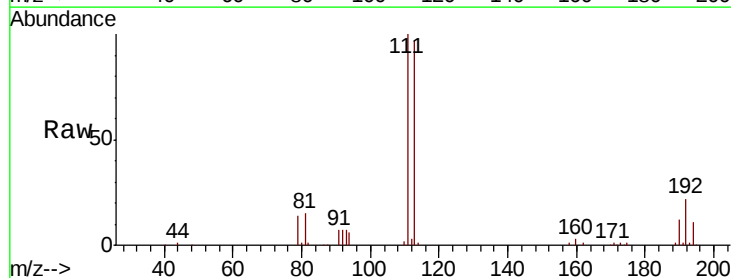


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

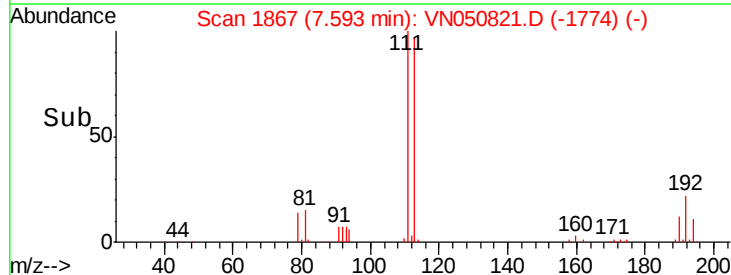
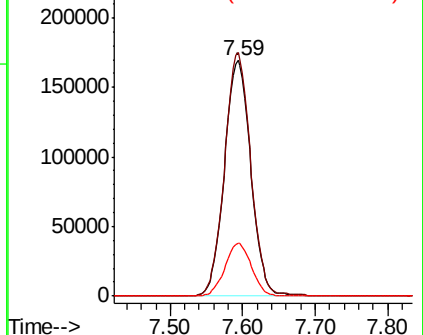


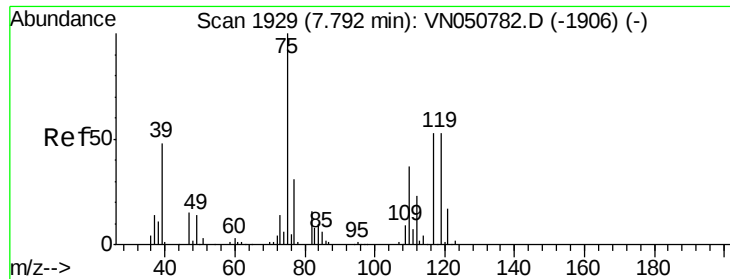
#35
 Dibromofluoromethane
 Concen: 47.93 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

Tgt Ion:113 Resp: 429387
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 22.5 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

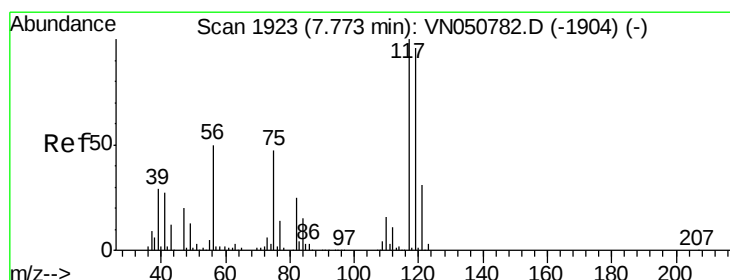
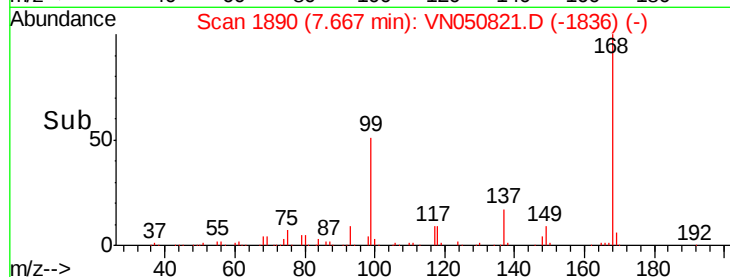
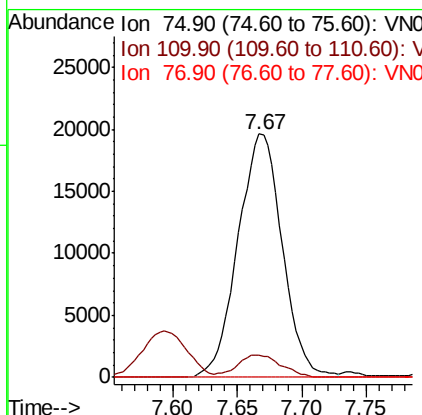
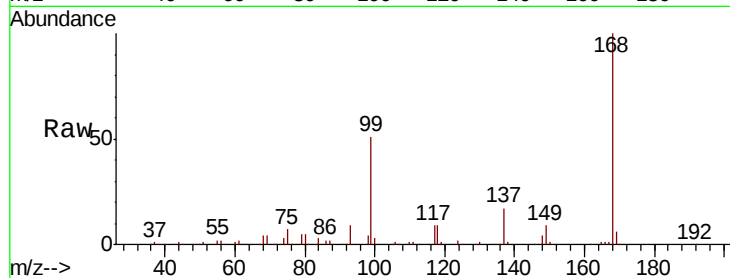




#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

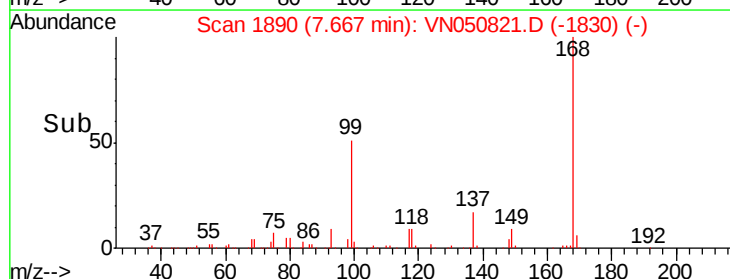
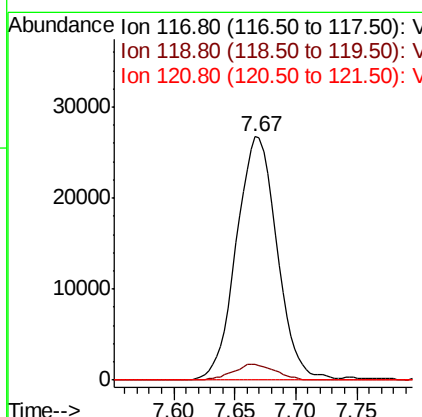
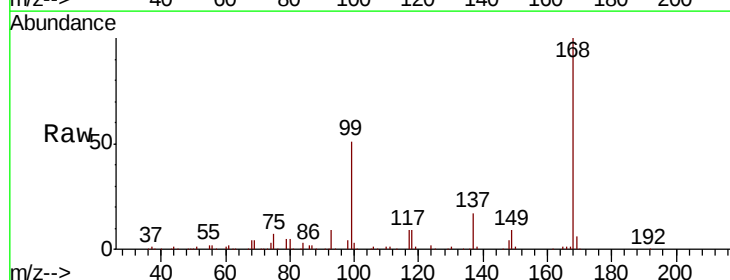
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-275-UST-SLUDGE

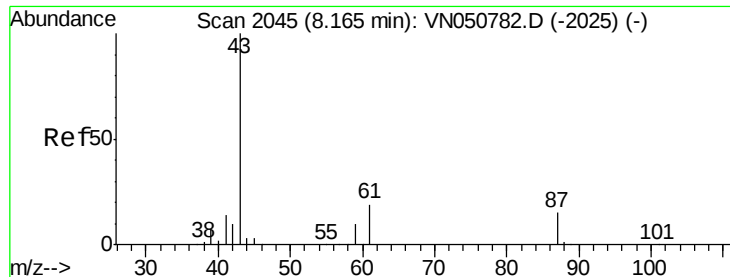
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 7.91 ug/l

RT: 8.26 min Scan# 2075

Delta R.T. 0.10 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

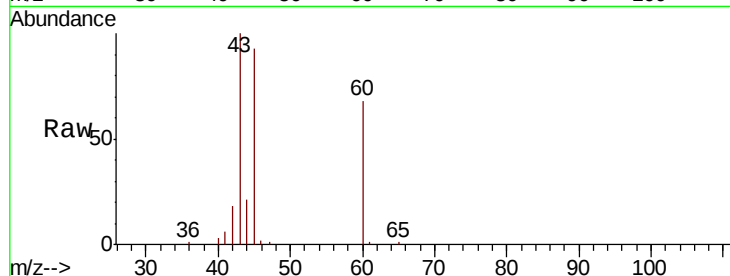
Tot Ion: 43 Resp: 103868

Ion Ratio Lower Upper

43 100

61 0.3 17.5 26.3#

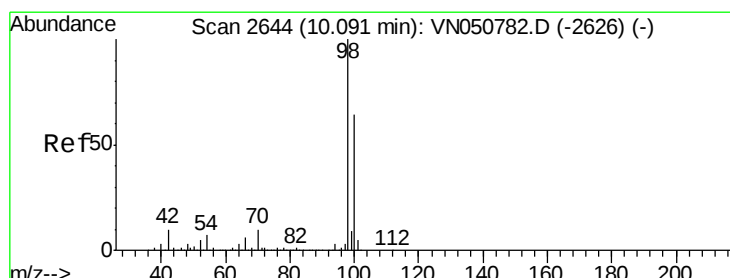
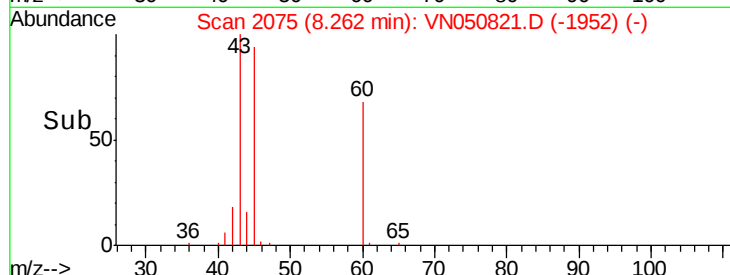
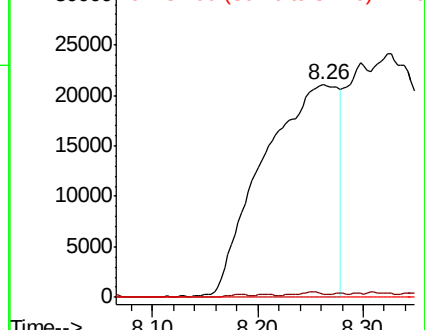
87 0.0 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 46.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050821.D

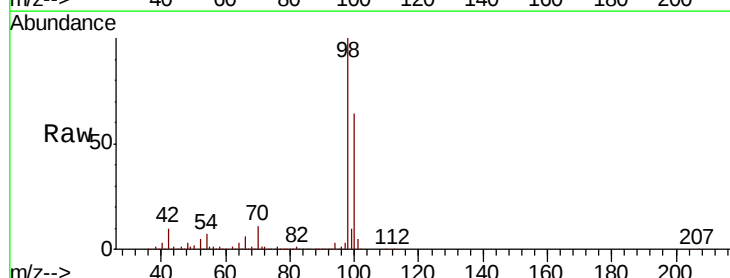
Acq: 22 Aug 2018 15:51

Tgt Ion: 98 Resp: 1550711

Ion Ratio Lower Upper

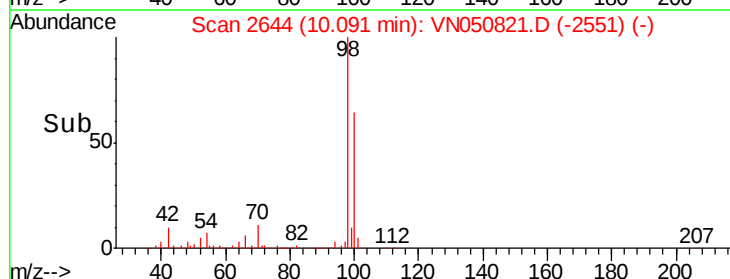
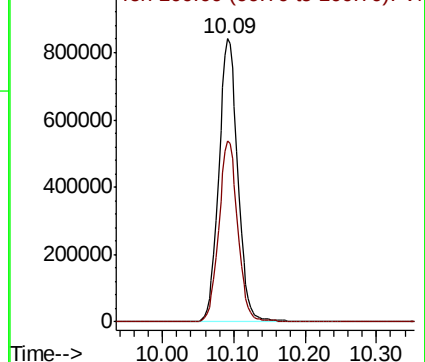
98 100

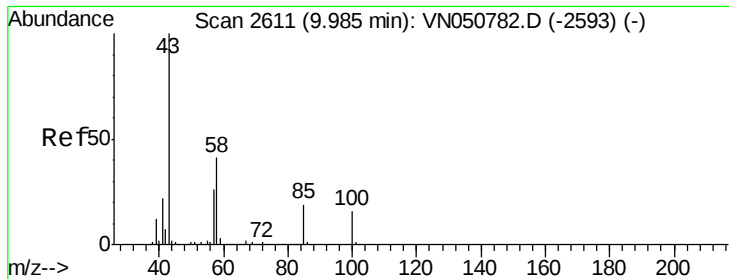
100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.80 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.11 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

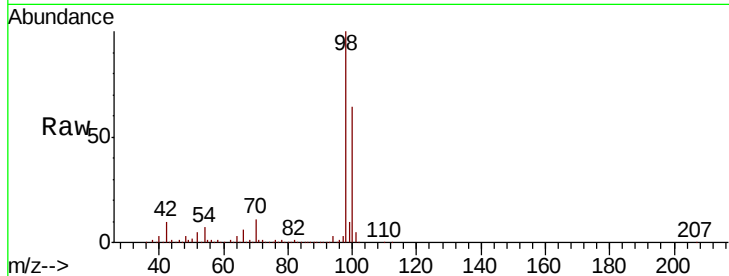
EP1-275-UST-SLUDGE

Tot Ion: 43 Resp: 6275

Ion Ratio Lower Upper

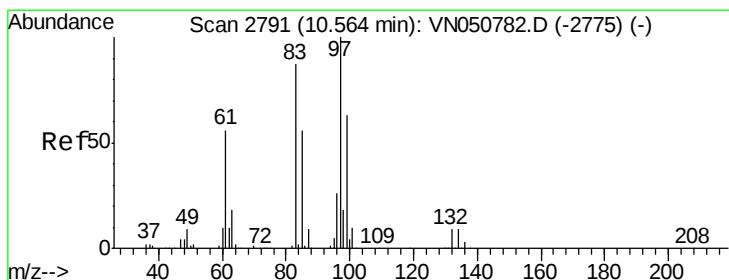
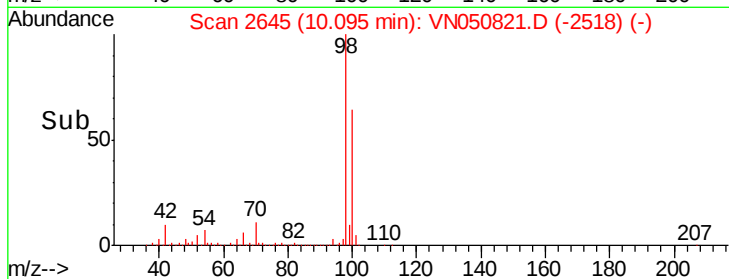
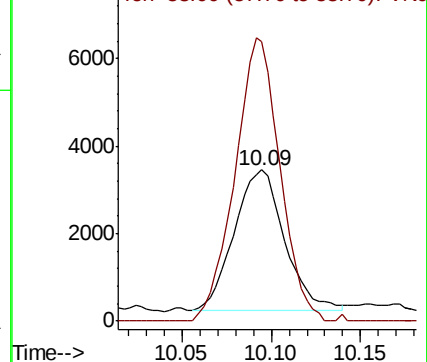
43 100

58 180.3 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.36 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Tgt Ion: 97 Resp: 3167

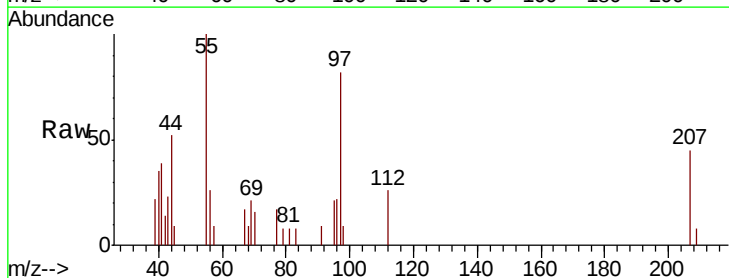
Ion Ratio Lower Upper

97 100

83 9.2 69.7 104.5#

85 0.0 44.5 66.7#

99 0.0 50.7 76.1#

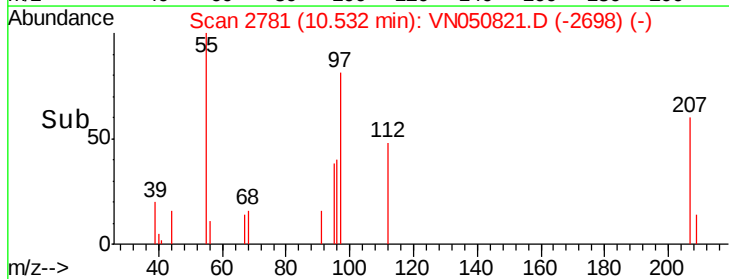
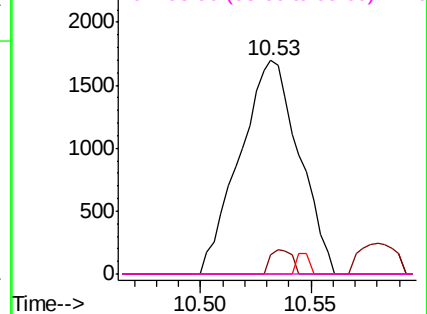


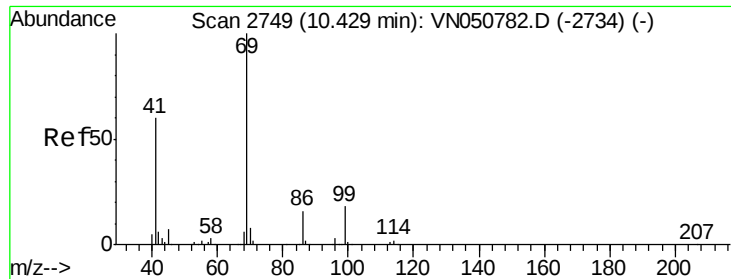
Abundance Ion 96.90 (96.60 to 97.60): VN0

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

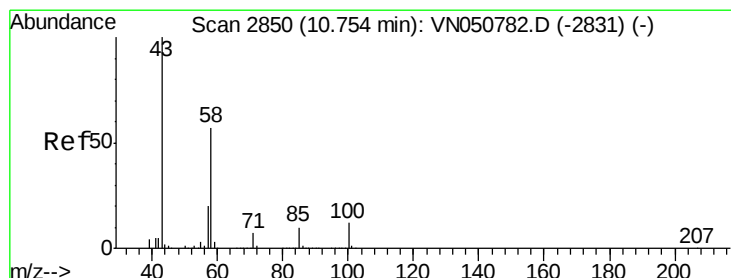
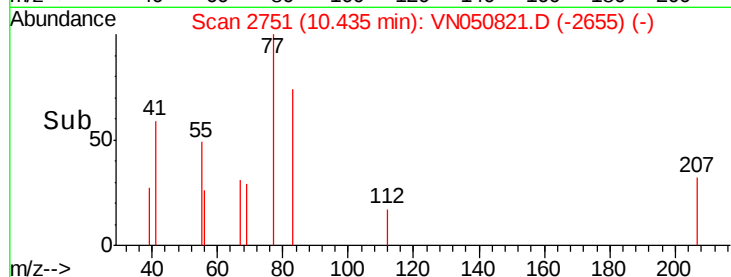
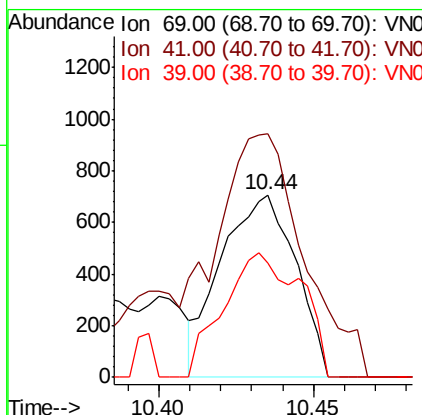
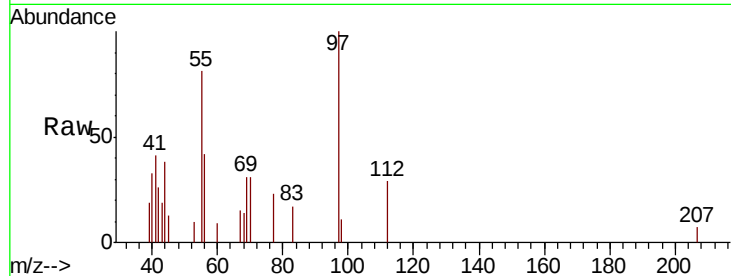




#56
Ethyl methacrylate
Concen: 2.45 ug/l
RT: 10.44 min Scan# 2751
Delta R.T. 0.01 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

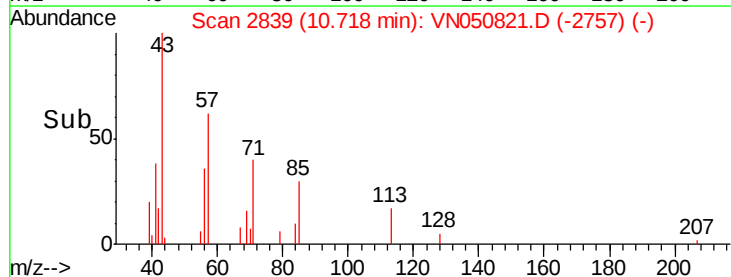
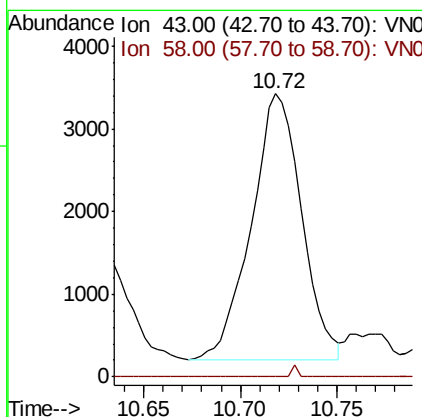
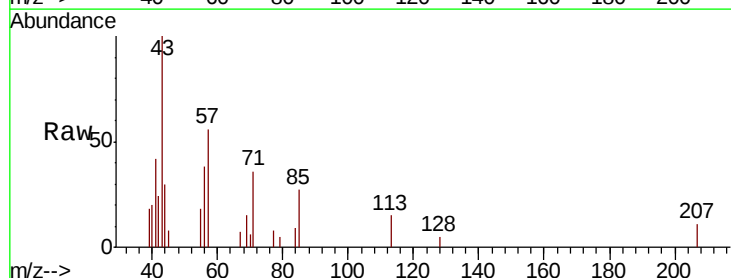
Instrument :
MSVOA_N
ClientSampleId :
EP1-275-UST-SLUDGE

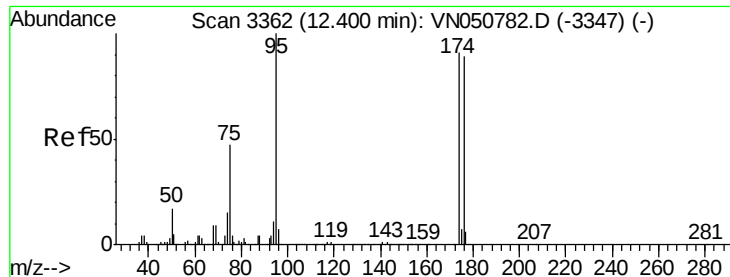
Tot Ion: 69 Resp: 1187
Ion Ratio Lower Upper
69 100
41 157.8 48.3 72.5#
39 70.5 24.0 36.0#



#59
2-Hexanone
Concen: 1.11 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.04 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

Tgt Ion: 43 Resp: 5806
Ion Ratio Lower Upper
43 100
58 0.5 28.3 85.0#





#62

4-Bromofluorobenzene

Concen: 46.20 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

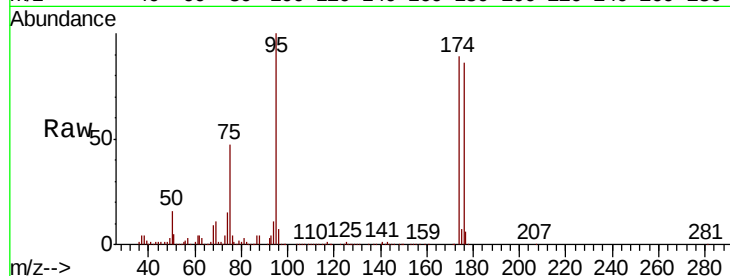
Tot Ion: 95 Resp: 514273

Ion Ratio Lower Upper

95 100

174 90.8 0.0 183.0

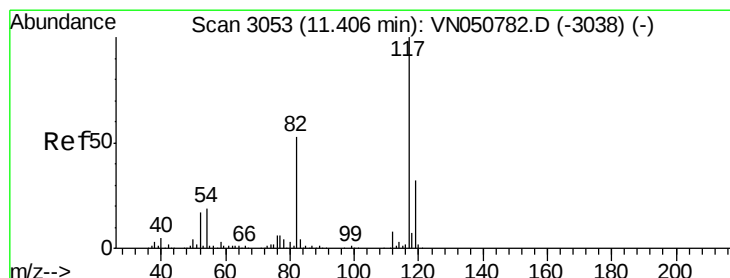
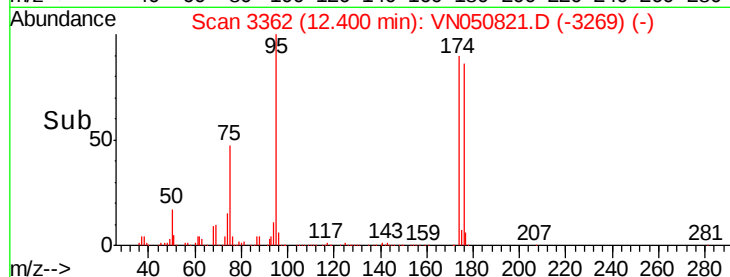
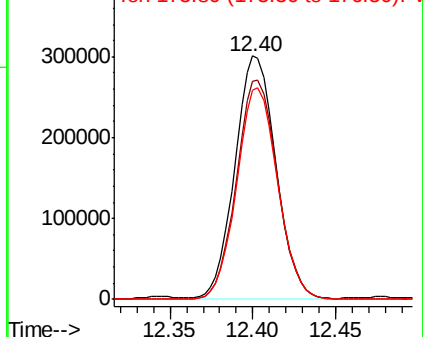
176 87.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050821.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050821.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050821.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

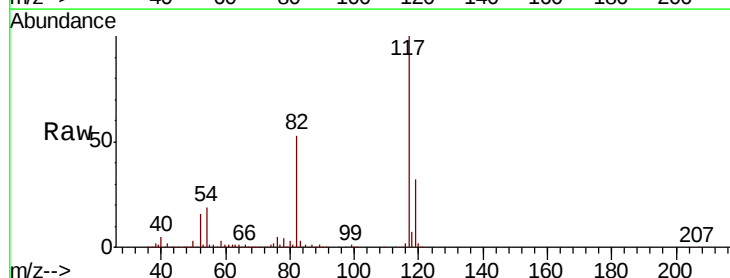
Tgt Ion: 117 Resp: 985973

Ion Ratio Lower Upper

117 100

82 52.9 42.6 64.0

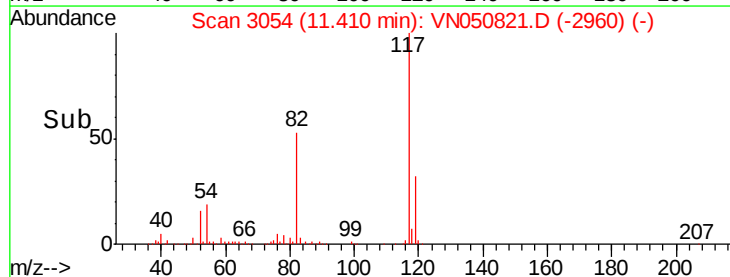
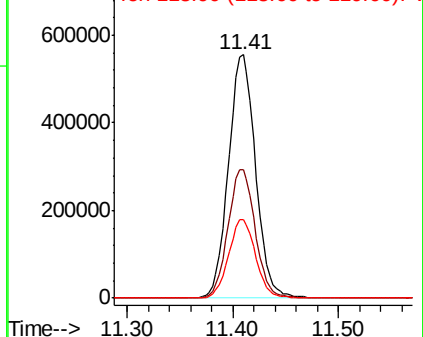
119 32.4 25.8 38.6

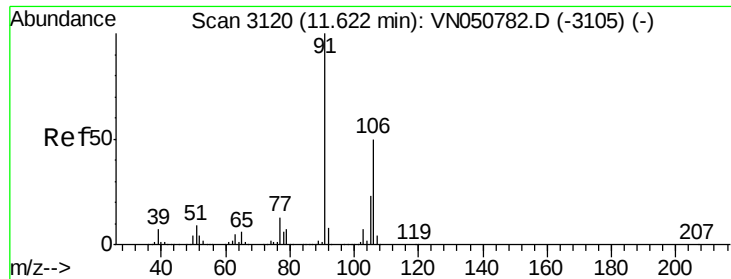


Abundance Ion 116.90 (116.60 to 117.60): VN050821.D (-2960) (-)

Ion 82.00 (81.70 to 82.70): VN050821.D (-2960) (-)

Ion 118.90 (118.60 to 119.60): VN050821.D (-2960) (-)

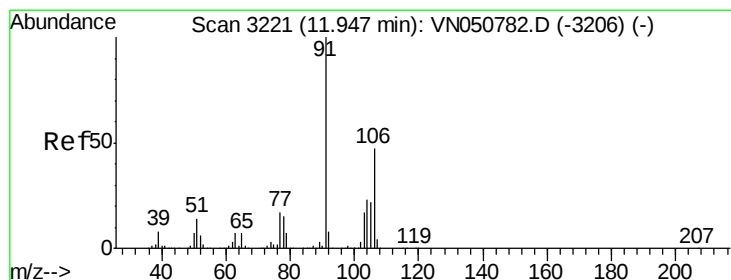
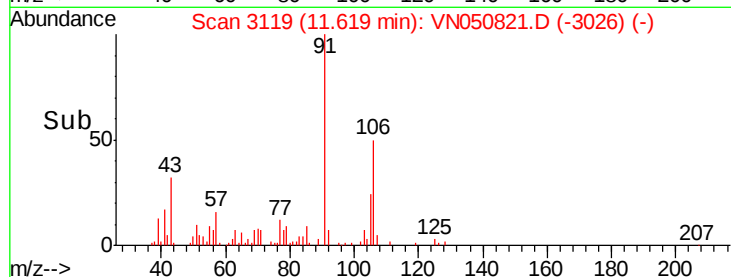
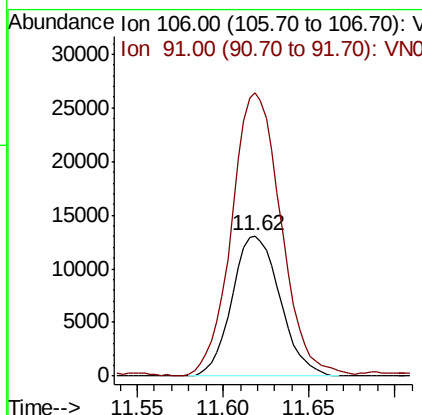
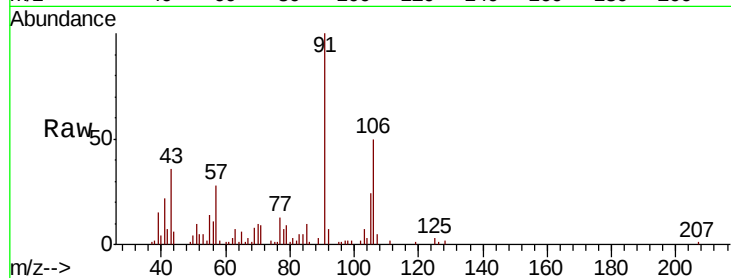




#68
m/p-Xylenes
Concen: 1.60 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

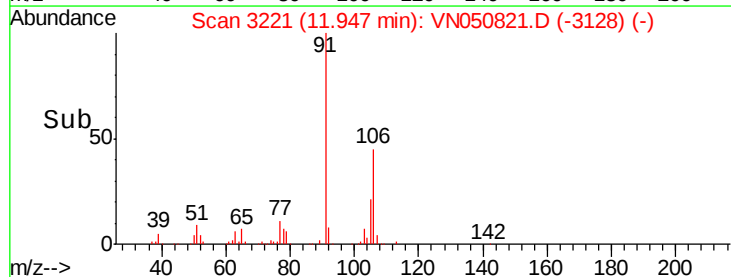
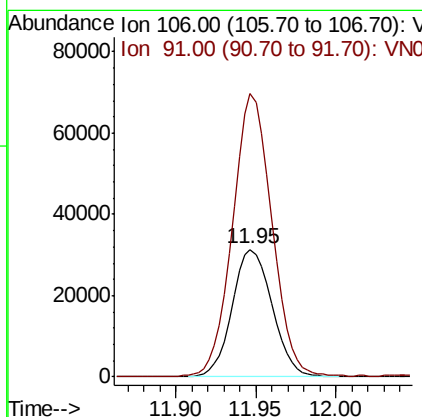
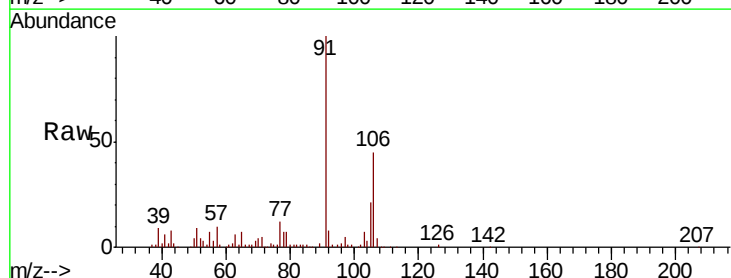
Instrument :
MSVOA_N
ClientSampleId :
EP1-275-UST-SLUDGE

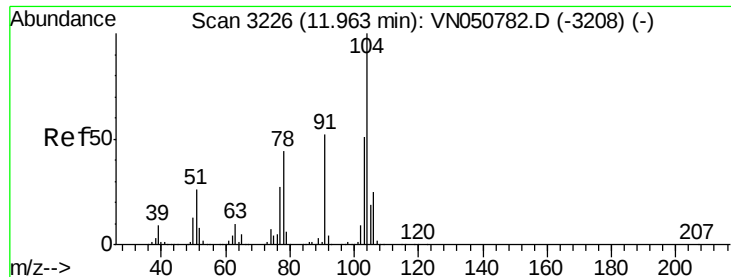
Tot Ion:106 Resp: 25480
Ion Ratio Lower Upper
106 100
91 207.7 161.0 241.6



#69
o-Xylene
Concen: 3.49 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

Tgt Ion:106 Resp: 53298
Ion Ratio Lower Upper
106 100
91 219.9 106.5 319.5

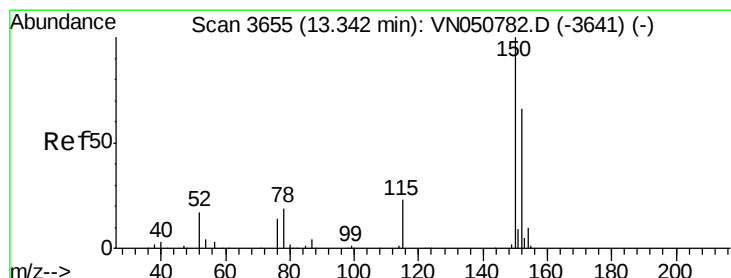
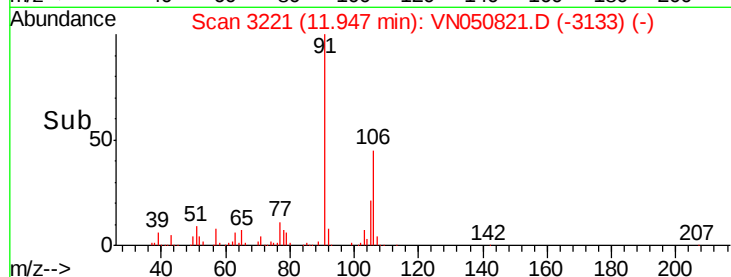
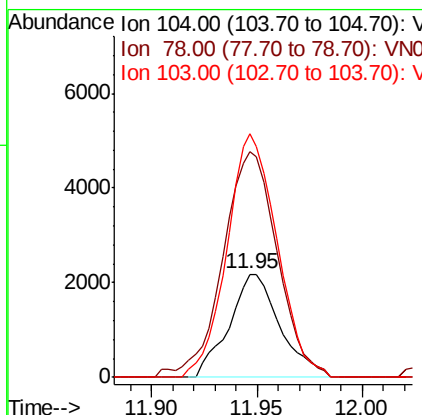
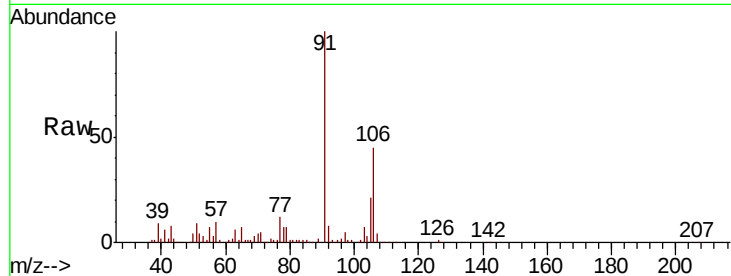




#70
Stvrene
Concen: 1.40 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.02 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

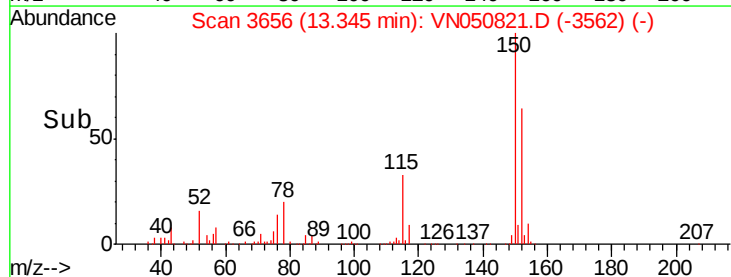
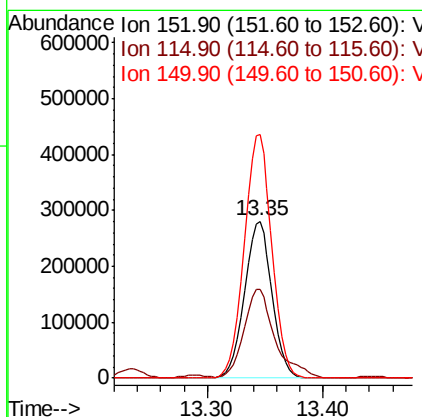
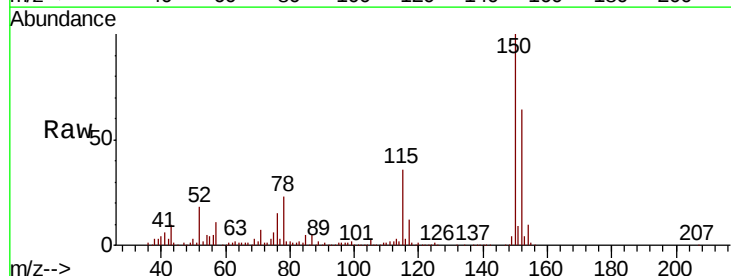
Instrument :
MSVOA_N
ClientSampleId :
EP1-275-UST-SLUDGE

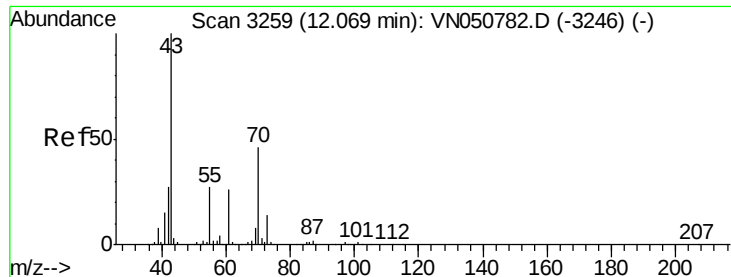
Tot Ion:104 Resp: 3671
Ion Ratio Lower Upper
104 100
78 233.5 38.2 57.4#
103 230.7 44.4 66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050821.D
Acq: 22 Aug 2018 15:51

Tgt Ion:152 Resp: 459885
Ion Ratio Lower Upper
152 100
115 64.2 27.8 83.4
150 156.2 0.0 351.4





#74

N-amvl acetate

Concen: 4.54 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.02 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

Tot Ion: 43 Resp: 43461

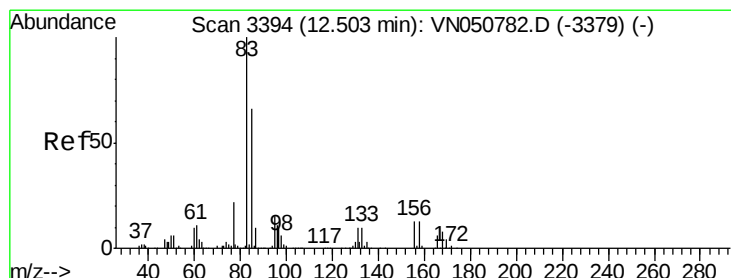
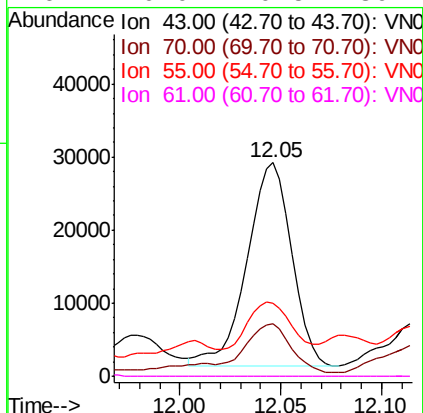
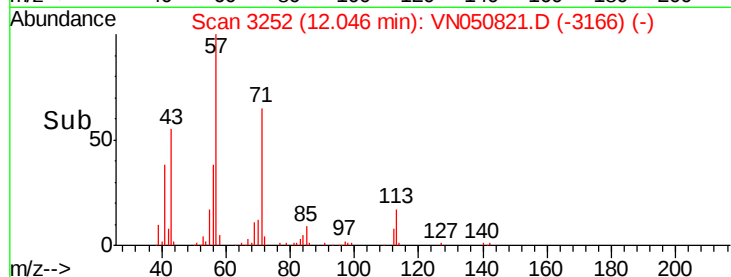
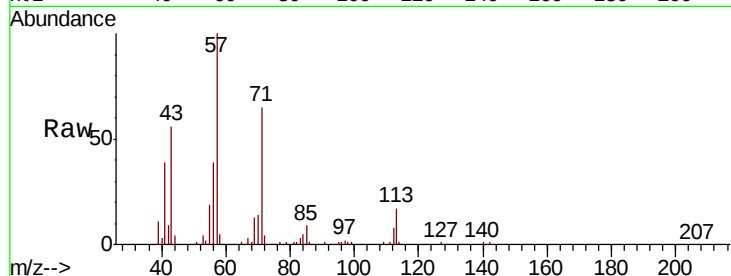
Ion Ratio Lower Upper

43 100

70 28.9 36.2 54.2#

55 21.4 21.8 32.8#

61 0.0 20.5 30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.45 min Scan# 3377

Delta R.T. -0.05 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

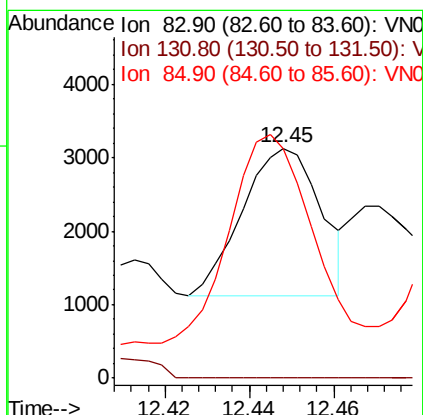
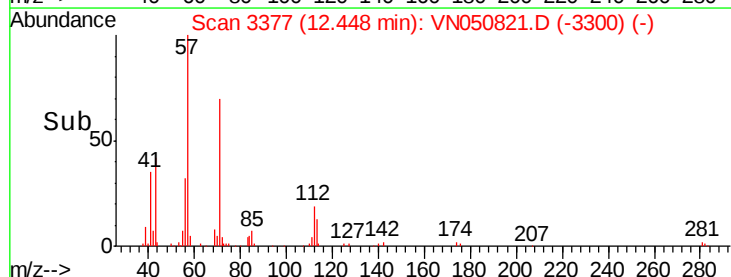
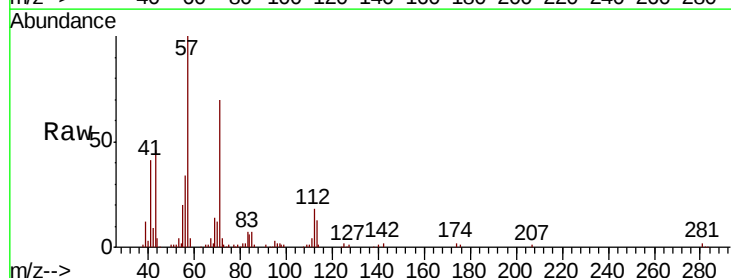
Tgt Ion: 83 Resp: 2607

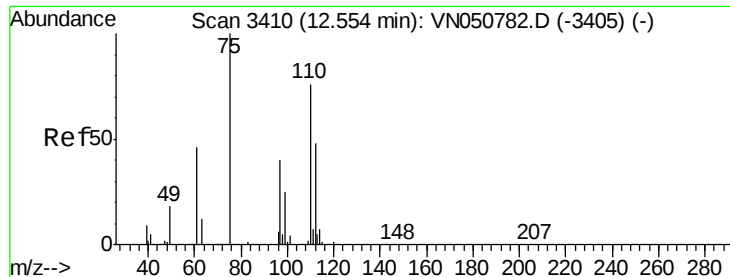
Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 178.6 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.19 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.15 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

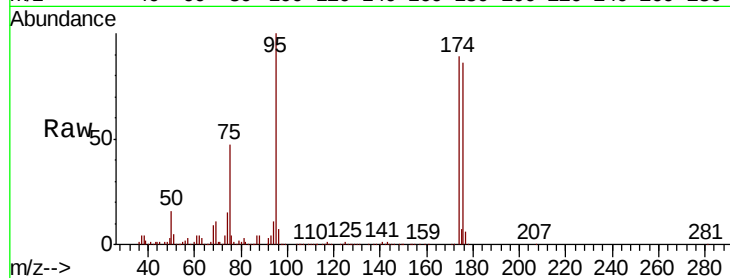
EP1-275-UST-SLUDGE

Tot Ion: 75 Resp: 243175

Ion Ratio Lower Upper

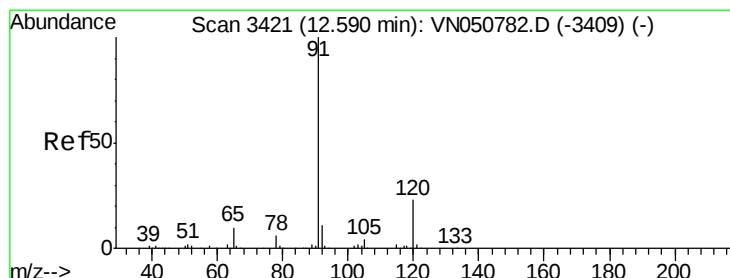
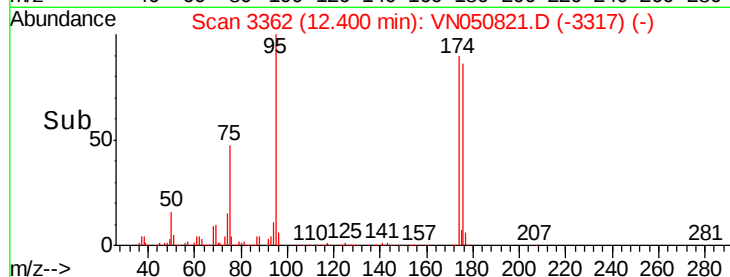
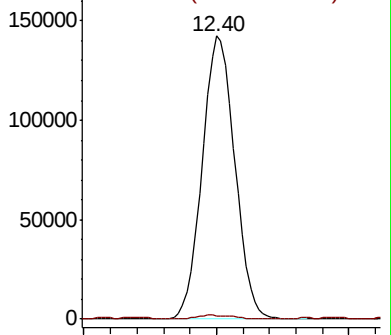
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050821.D

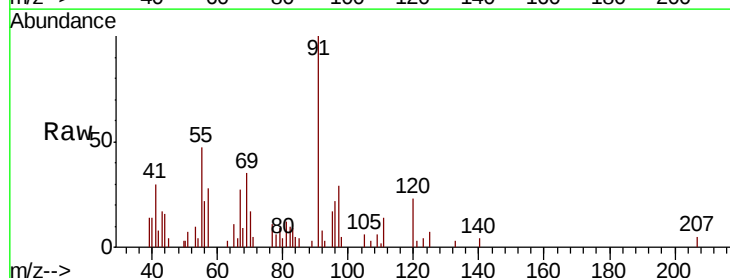
Acq: 22 Aug 2018 15:51

Tgt Ion: 91 Resp: 10838

Ion Ratio Lower Upper

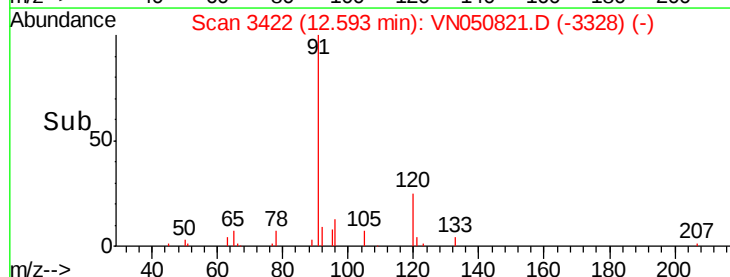
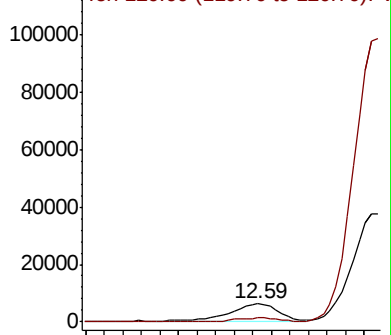
91 100

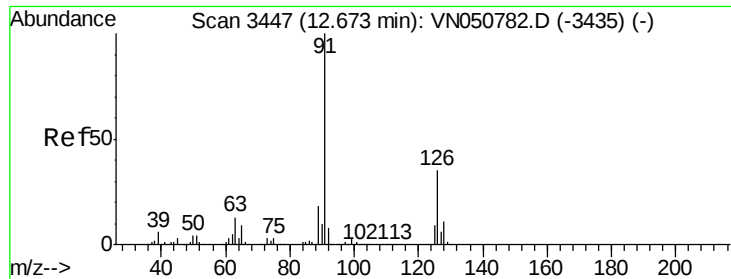
120 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

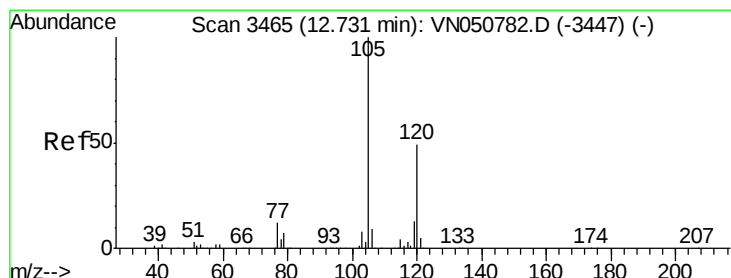
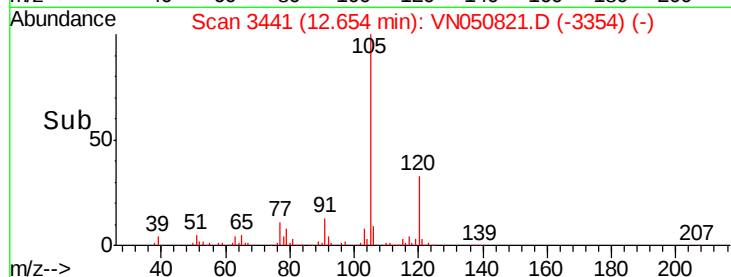
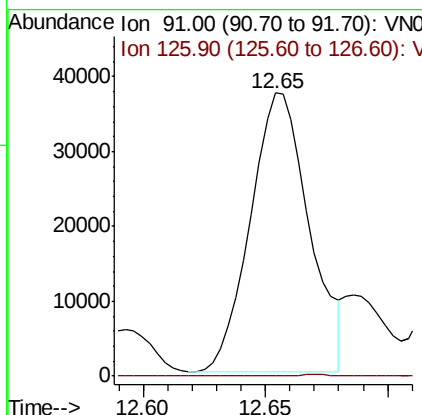
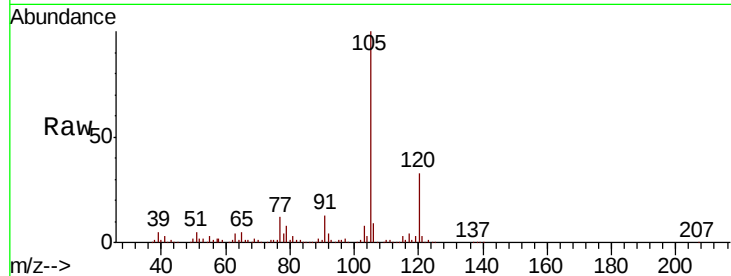




#79
 2-Chlorotoluene
 Concen: 2.36 ug/l
 RT: 12.65 min Scan# 3441
 Delta R.T. -0.02 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

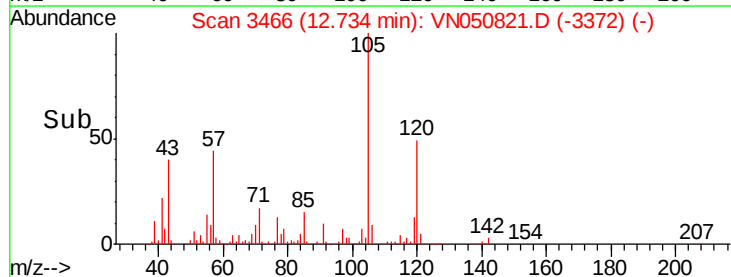
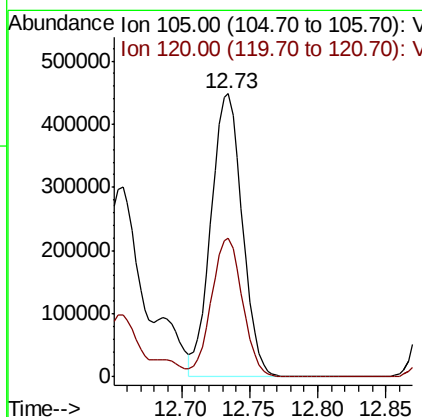
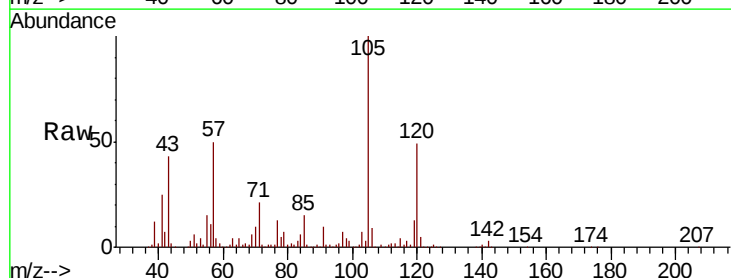
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-275-UST-SLUDGE

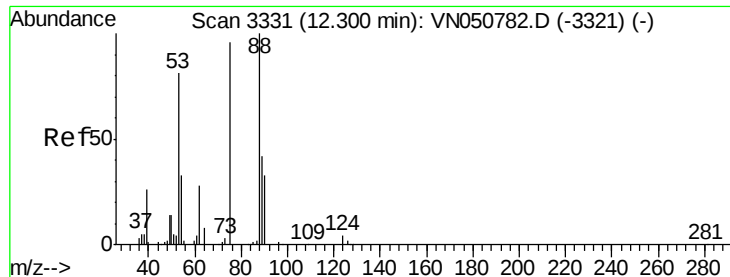
Tot Ion: 91 Resp: 62568
 Ion Ratio Lower Upper
 91 100
 126 0.2 17.8 53.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 23.20 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

Tgt Ion: 105 Resp: 712957
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 102.06 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

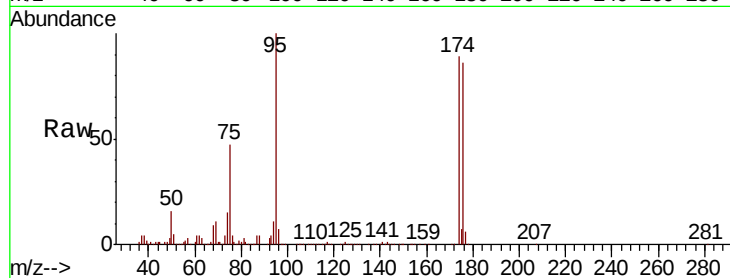
Tot Ion: 75 Resp: 243175

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

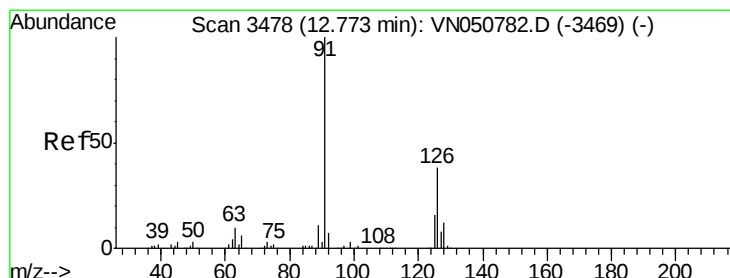
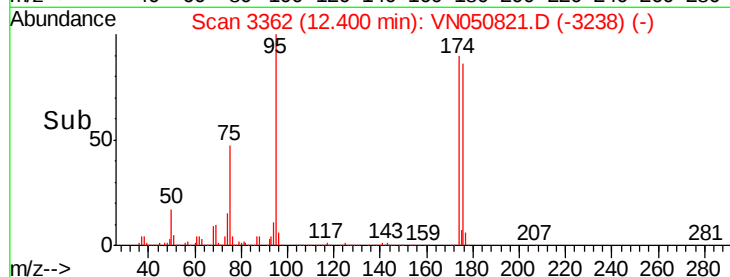
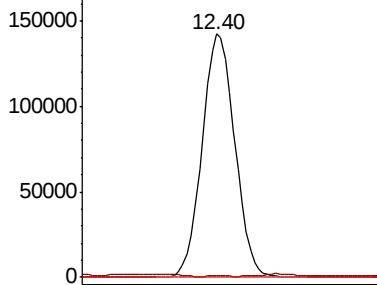
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.73 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050821.D

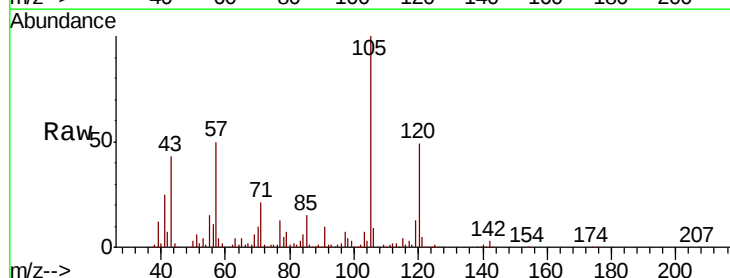
Acq: 22 Aug 2018 15:51

Tgt Ion: 91 Resp: 71399

Ion Ratio Lower Upper

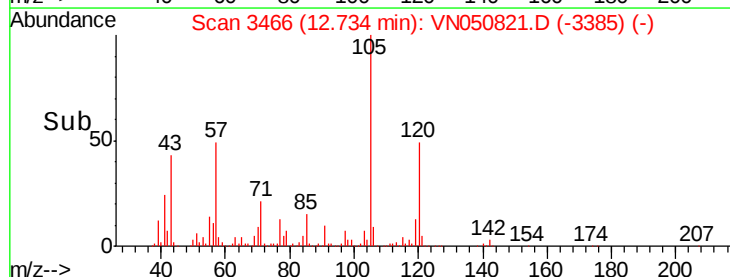
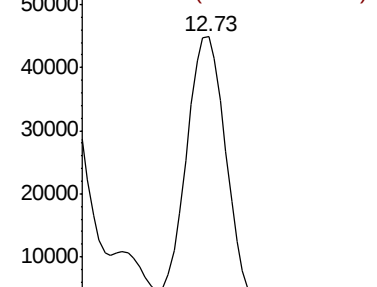
91 100

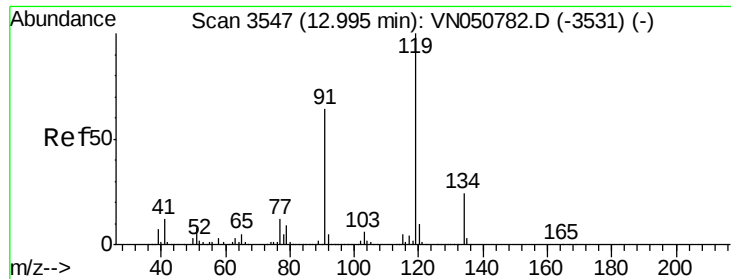
126 1.2 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

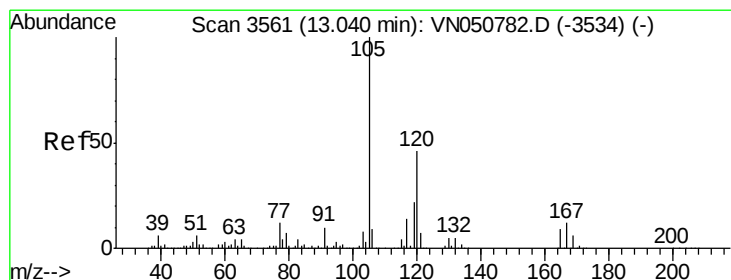
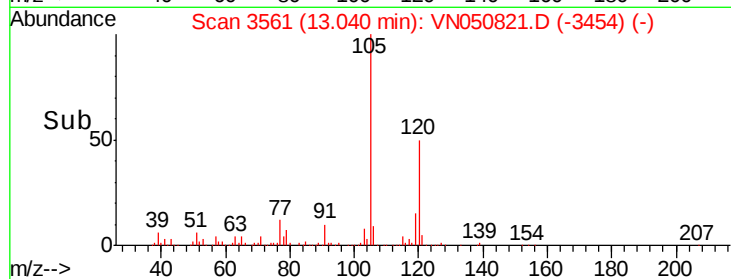
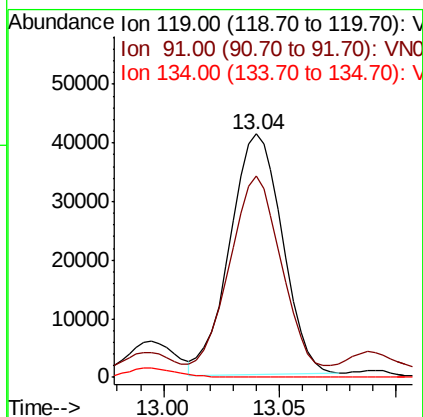
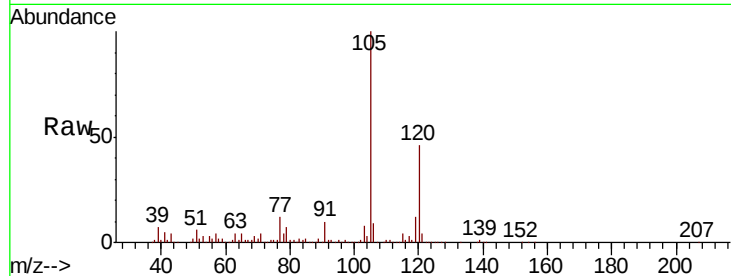




#83
 tert-Butylbenzene
 Concen: 2.42 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.05 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

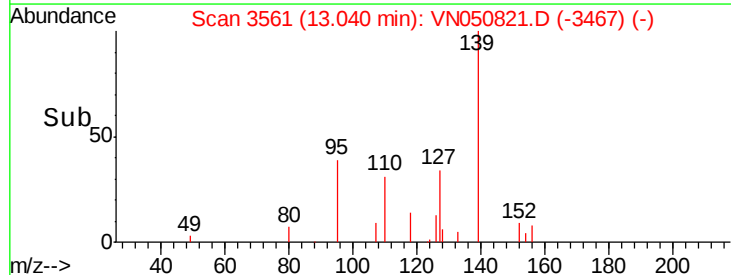
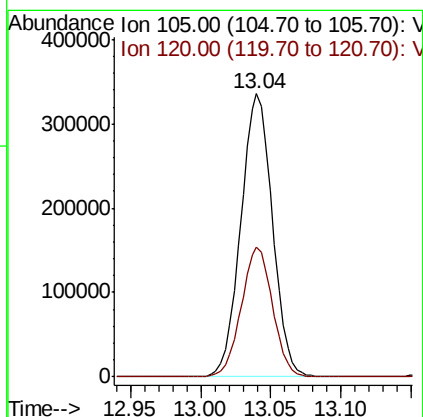
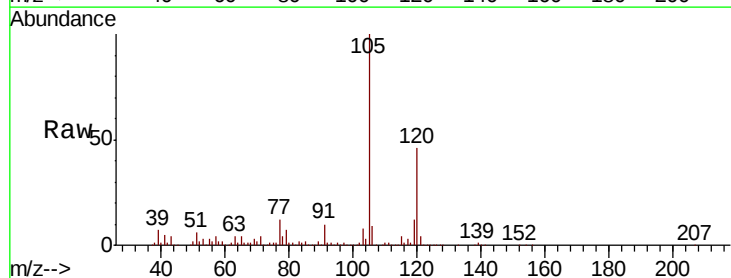
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-275-UST-SLUDGE

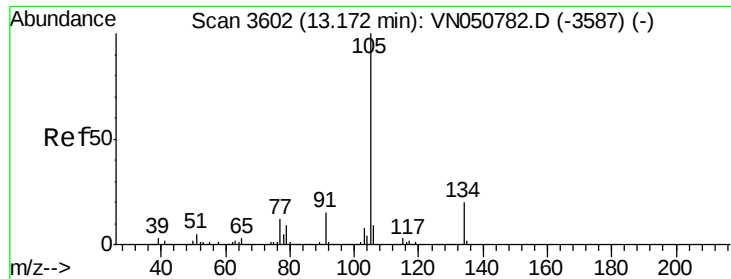
Tot Ion:119 Resp: 64457
 Ion Ratio Lower Upper
 119 100
 91 79.6 31.6 94.7
 134 0.0 13.4 40.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 17.02 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050821.D
 Acq: 22 Aug 2018 15:51

Tgt Ion:105 Resp: 526072
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 15.09 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.13 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

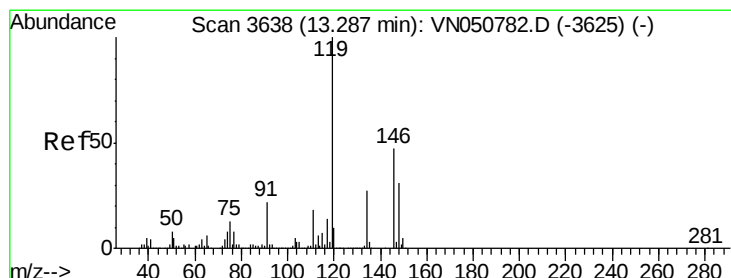
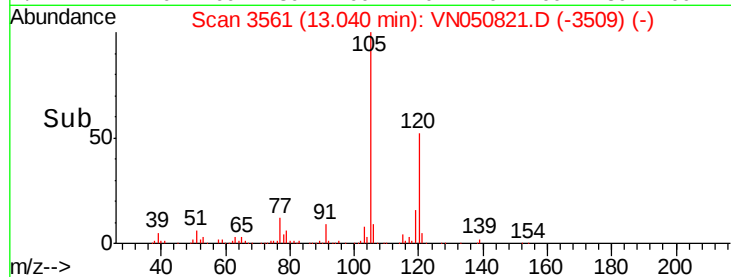
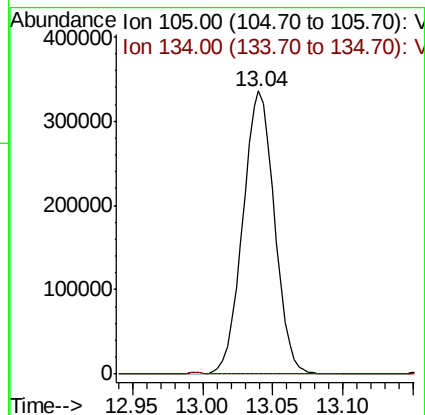
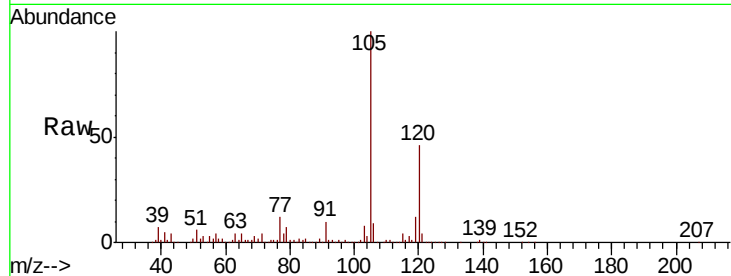
EP1-275-UST-SLUDGE

Tot Ion:105 Resp: 526072

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



#86

p-Isopropyltoluene

Concen: 3.33 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

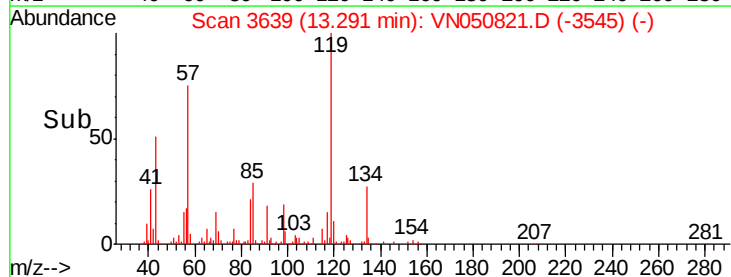
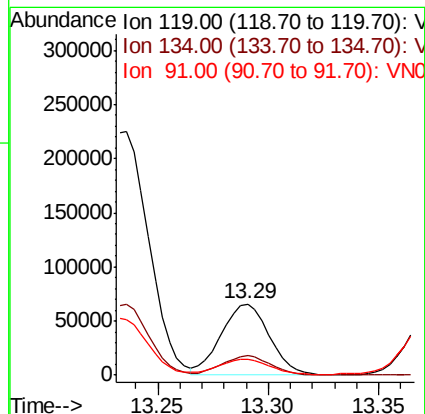
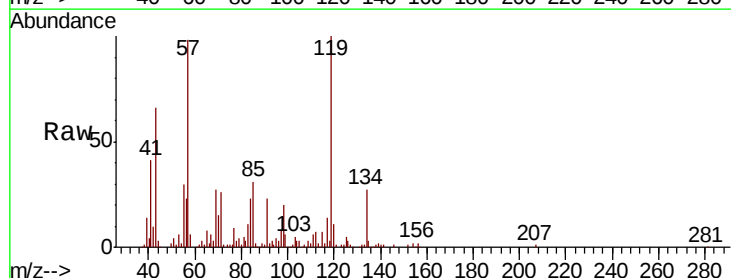
Tgt Ion:119 Resp: 99062

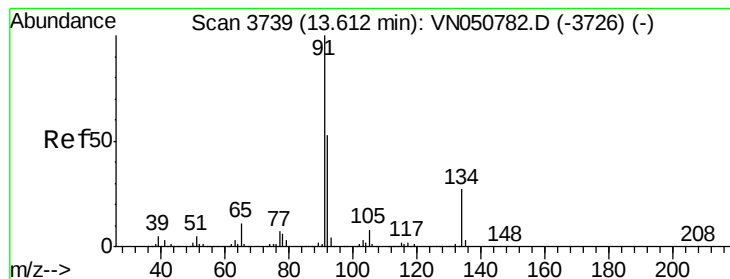
Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 21.9 11.2 33.5





#89

n-Butylbenzene

Concen: 7.05 ug/l

RT: 13.58 min Scan# 3730

Delta R.T. -0.03 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

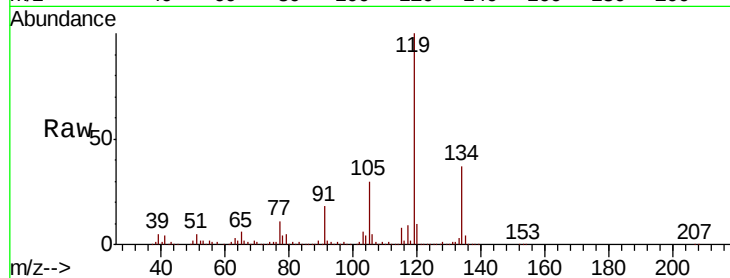
Tot Ion: 91 Resp: 167492

Ion Ratio Lower Upper

91 100

92 13.5 26.1 78.2#

134 197.0 13.2 39.6#

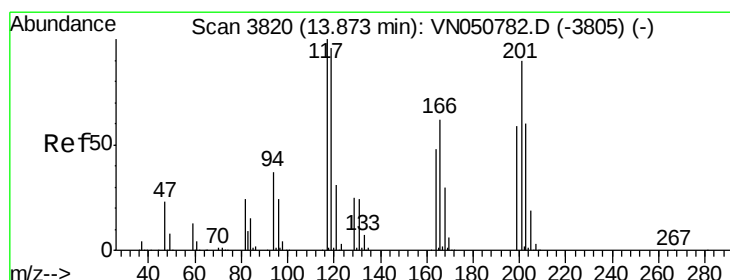
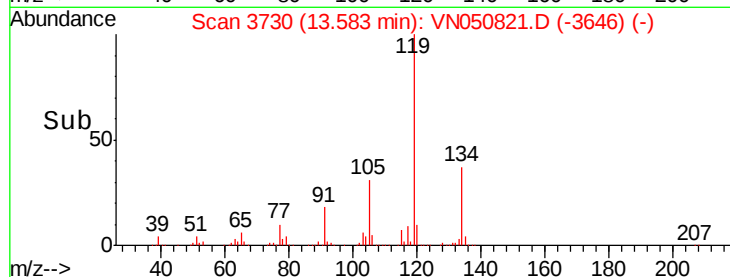
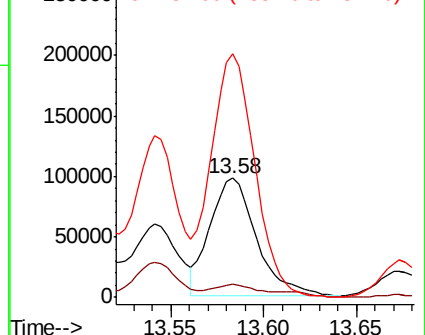


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 14.14 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050821.D

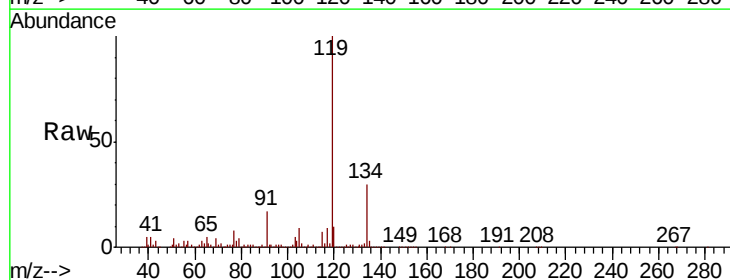
Acq: 22 Aug 2018 15:51

Tgt Ion: 117 Resp: 79313

Ion Ratio Lower Upper

117 100

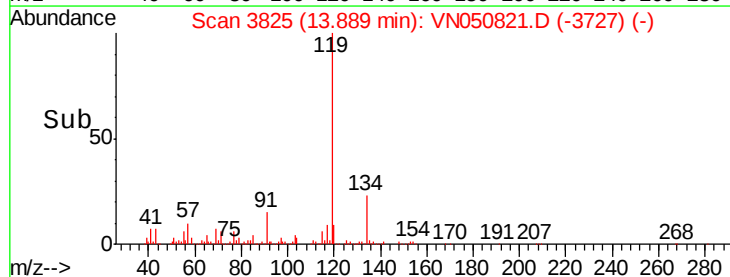
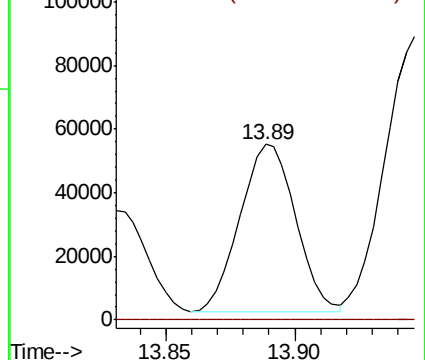
201 0.0 46.0 137.8#

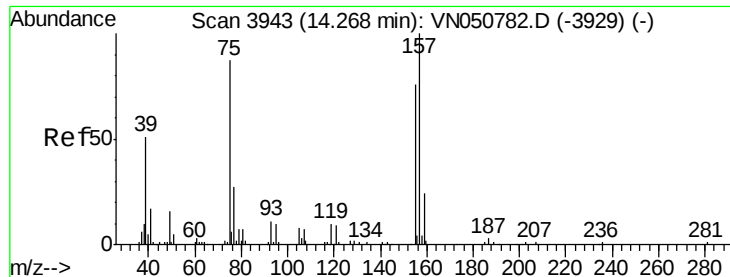


Abundance

Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.00 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

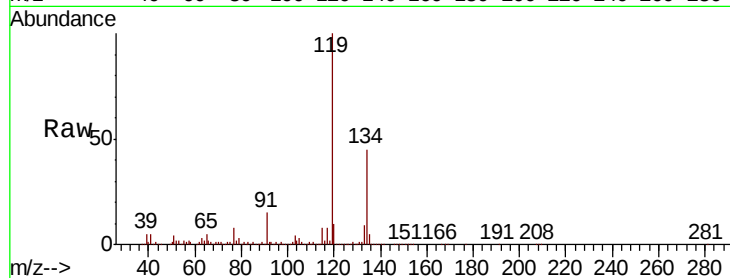
Tot Ion: 75 Resp: 5471

Ion Ratio Lower Upper

75 100

155 13.9 46.4 139.1#

157 0.0 60.7 182.0#

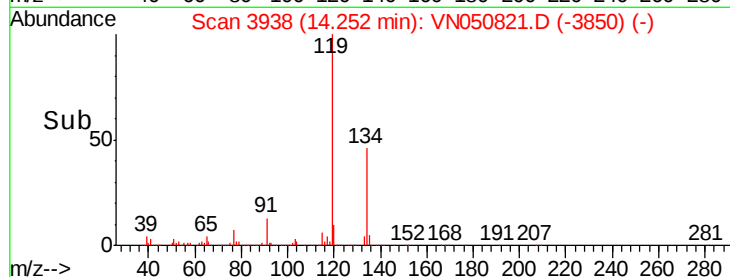


Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN050782.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN050782.D (-3929) (-)

Time-->

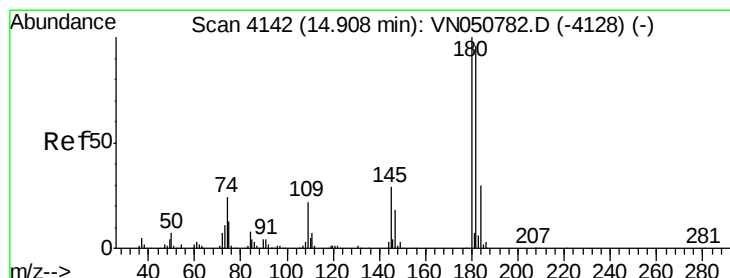


Abundance Ion 74.90 (74.60 to 75.60): VN050821.D (-3850) (-)

Ion 154.80 (154.50 to 155.50): VN050821.D (-3850) (-)

Ion 156.80 (156.50 to 157.50): VN050821.D (-3850) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.17 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

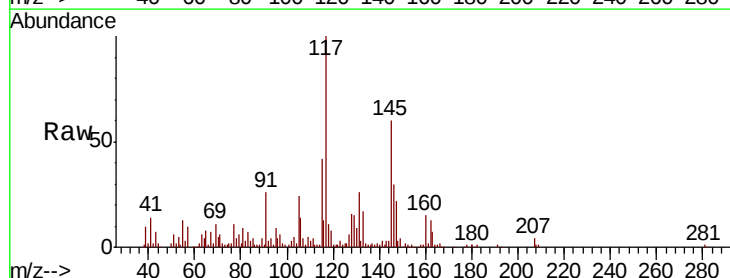
Tgt Ion: 180 Resp: 813

Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

145 0.0 14.1 42.2#

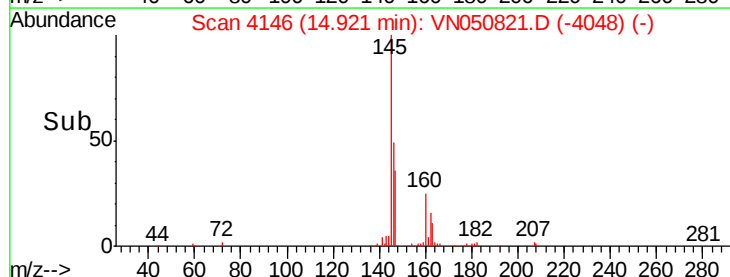


Abundance Ion 179.80 (179.50 to 180.50): VN050782.D (-4128) (-)

Ion 181.80 (181.50 to 182.50): VN050782.D (-4128) (-)

Ion 144.80 (144.50 to 145.50): VN050782.D (-4128) (-)

Time-->

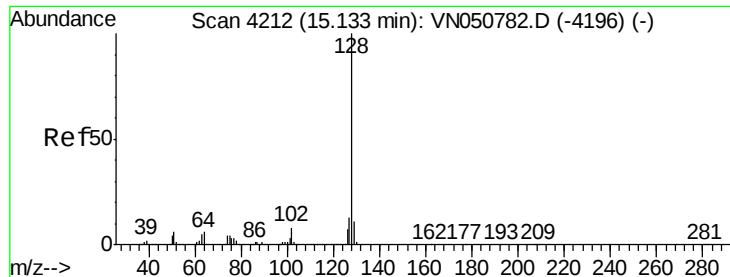


Abundance Ion 179.80 (179.50 to 180.50): VN050821.D (-4048) (-)

Ion 181.80 (181.50 to 182.50): VN050821.D (-4048) (-)

Ion 144.80 (144.50 to 145.50): VN050821.D (-4048) (-)

Time-->



#95

Naphthalene

Concen: 6.69 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

EP1-275-UST-SLUDGE

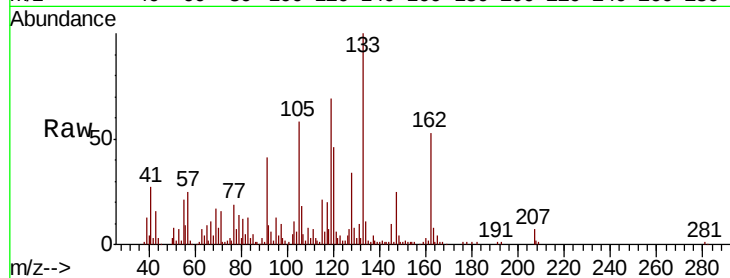
Tot Ion:128 Resp: 26556

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

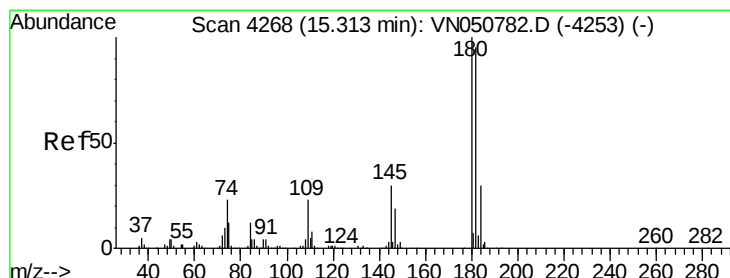
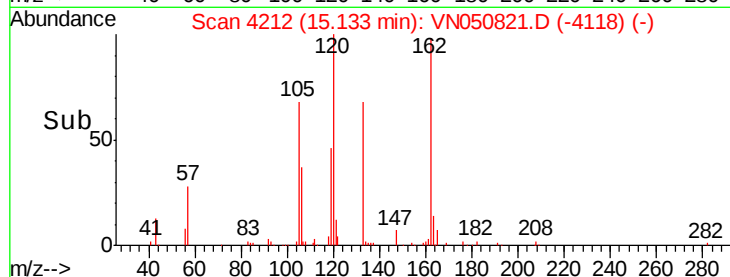
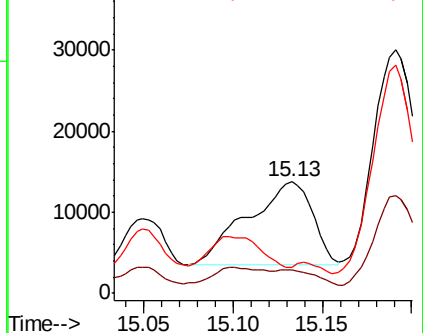
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.32 ug/l

RT: 15.34 min Scan# 4276

Delta R.T. 0.03 min

Lab File: VN050821.D

Acq: 22 Aug 2018 15:51

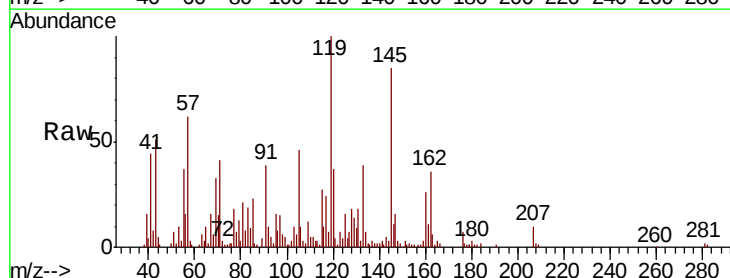
Tgt Ion:180 Resp: 178

Ion Ratio Lower Upper

180 100

182 411.2 48.0 144.2#

145 50381.5 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

