

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050822.D
 Acq On : 22 Aug 2018 16:16
 Operator : MD\SY
 Sample : J4586-02 10X
 Misc : 6.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

Quant Time: Aug 23 01:06:32 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	793896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1192719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1085472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	527611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459655	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.59	113	434370	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
50) Toluene-d8	10.09	98	1710364	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.40	95	567418	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3011	0.23	ug/l	93
5) Bromomethane	2.56	94	3207	Below	Cal	99
10) Methyl Iodide	3.95	142	1304	6.47	ug/l #	90
13) Acrolein	3.56	56	2311	23.95	ug/l #	1
16) Acetone	3.82	43	5059	Below	Cal #	85
18) Methyl Acetate	4.34	43	10521	1.17	ug/l #	80
30) Chloroform	7.32	83	4385	0.25	ug/l #	17
31) Cyclohexane	7.65	56	91396	6.07	ug/l #	86
36) 1,1-Dichloropropene	7.67	75	51122	3.63	ug/l #	49
38) Carbon Tetrachloride	7.67	117	68623	4.82	ug/l #	17
39) Methylcyclohexane	9.08	83	190639	12.52	ug/l	97
40) Benzene	8.04	78	458494	10.80	ug/l	100
41) Methacrylonitrile	7.21	41	1137	0.26	ug/l #	39
42) 1,2-Dichloroethane	8.13	62	4996	0.39	ug/l	87
43) Isopropyl Acetate	8.15	43	6488	0.47	ug/l #	72
47) Bromodichloromethane	9.39	83	6211	0.45	ug/l #	24
48) Methyl methacrylate	9.14	41	7510	1.06	ug/l #	30
51) 4-Methyl-2-Pentanone	10.09	43	9968	1.20	ug/l #	1
52) Toluene	10.16	92	1862054	74.06	ug/l	98
53) t-1,3-Dichloropropene	10.16	75	21145	1.55	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	34246	3.67	ug/l #	19
56) Ethyl methacrylate	10.44	69	7886	2.97	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.68	63	141	12.25	ug/l #	47
59) 2-Hexanone	10.72	43	22304	4.04	ug/l #	27
67) Ethyl Benzene	11.51	91	2010832	43.60	ug/l	100
68) m/p-Xylenes	11.62	106	2974344	169.89	ug/l	100
69) o-Xylene	11.95	106	1323458	78.63	ug/l	99
70) Styrene	11.96	104	121127	5.25	ug/l #	1
73) Isopropylbenzene	12.25	105	295819	6.77	ug/l	100
74) N-amyl acetate	12.05	43	44999	4.10	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.45	83	4640	Below	Cal #	28
76) 1,2,3-Trichloropropane	12.65	75	24243	2.62	ug/l #	100
77) Bromobenzene	12.55	156	838979	70.66	ug/l #	1
78) n-propylbenzene	12.59	91	1085825	22.25	ug/l	99

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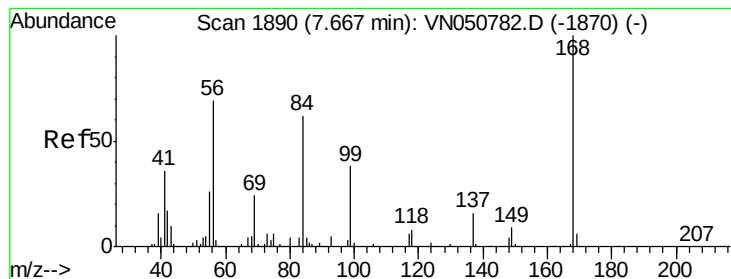
Instrument :
 MSVOA_N
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 EP1-240-UST-SLUDGE

Quant Time: Aug 23 01:06:32 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	12.65	91	364609	11.99	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	1527443	43.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	263334	96.33	ug/l #	15
82) 4-Chlorotoluene	12.73	91	155507	5.18	ug/l #	41
83) tert-Butylbenzene	13.04	119	684026	22.41	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	5571383	157.12	ug/l	99
85) sec-Butylbenzene	13.04	105	5571383	139.27	ug/l #	56
86) p-Isopropyltoluene	13.29	119	120697	3.54	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	14437	0.73	ug/l #	43
89) n-Butylbenzene	13.62	91	246456	9.04	ug/l #	70
90) Hexachloroethane	13.89	117	115631	17.92	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	216855	11.16	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6044	3.85	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1523	4.22	ug/l #	1
94) Hexachlorobutadiene	15.01	225	31	Below	Cal #	19
95) Naphthalene	15.13	128	3312320	145.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.34	180	625	3.36	ug/l #	55

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

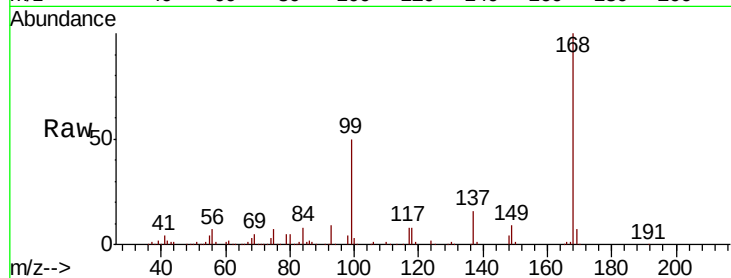
EP1-240-UST-SLUDGE

Tot Ion:168 Resp: 793896

Ion Ratio Lower Upper

168 100

99 49.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

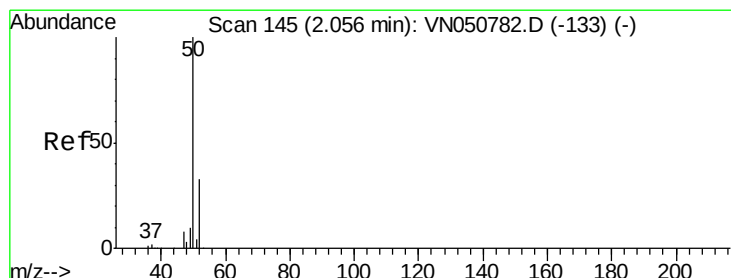
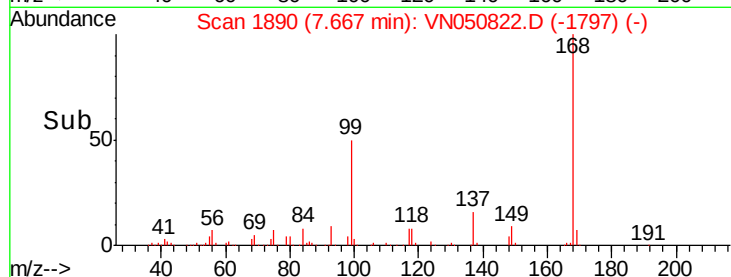
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050822.D

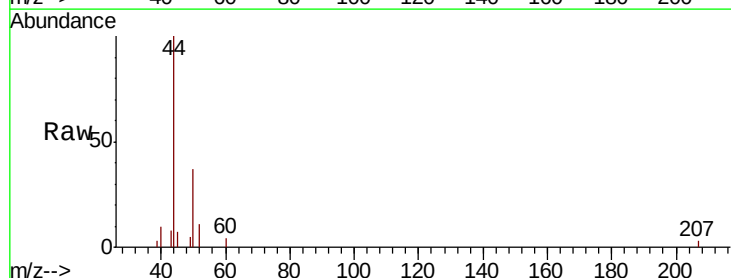
Acq: 22 Aug 2018 16:16

Tgt Ion: 50 Resp: 3011

Ion Ratio Lower Upper

50 100

52 28.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2000

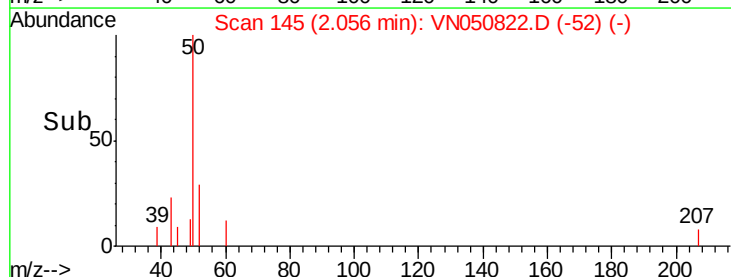
1500

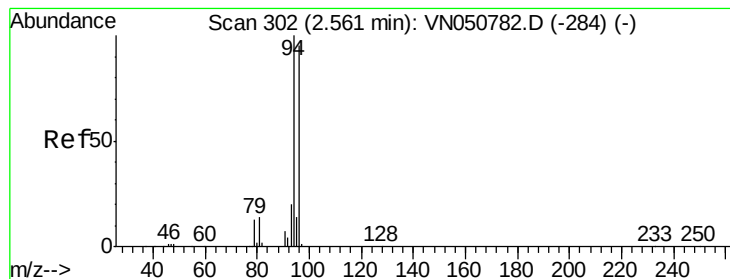
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

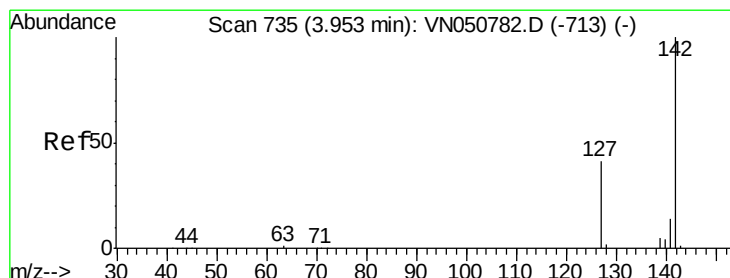
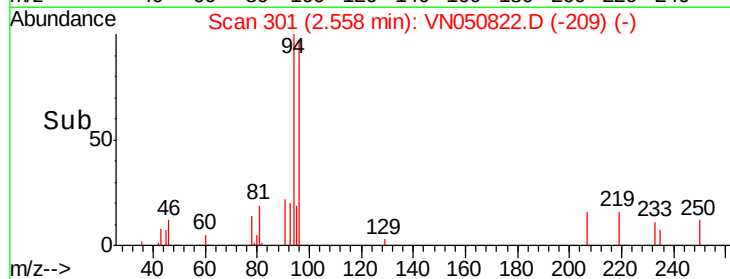
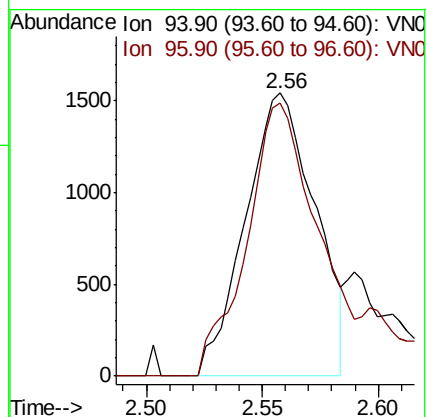
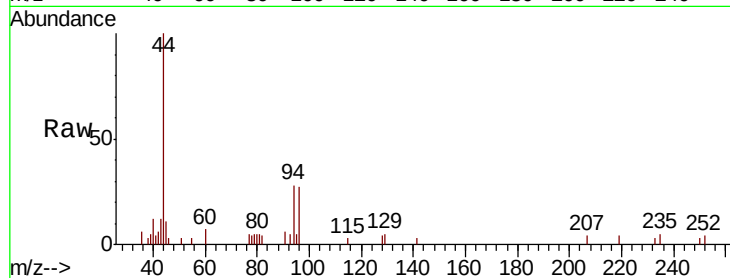
EP1-240-UST-SLUDGE

Tot Ion: 94 Resp: 3207

Ion Ratio Lower Upper

94 100

96 96.6 76.2 114.2



#10

Methyl Iodide

Concen: 6.47 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

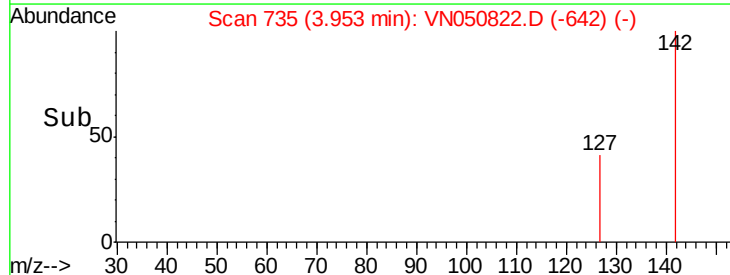
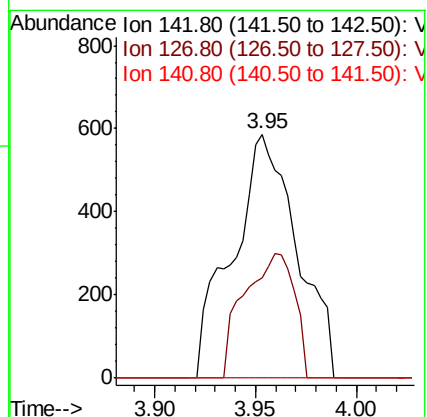
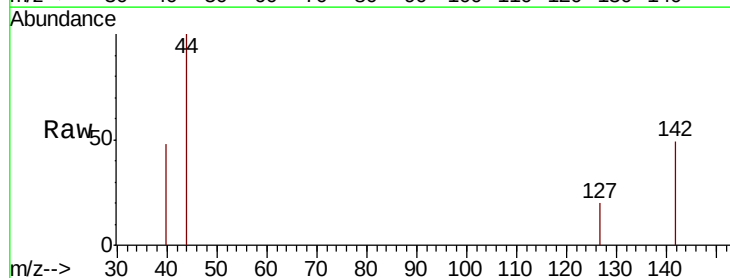
Tgt Ion: 142 Resp: 1304

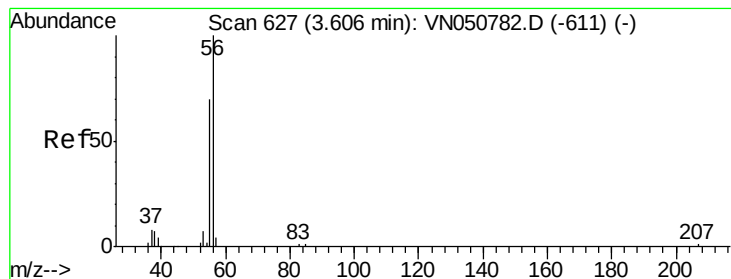
Ion Ratio Lower Upper

142 100

127 40.3 31.7 47.5

141 0.0 11.4 17.0#





#13

Acrolein

Concen: 23.95 ug/l

RT: 3.56 min Scan# 614

Delta R.T. -0.04 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

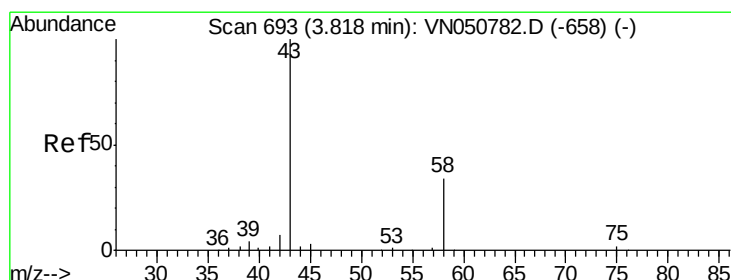
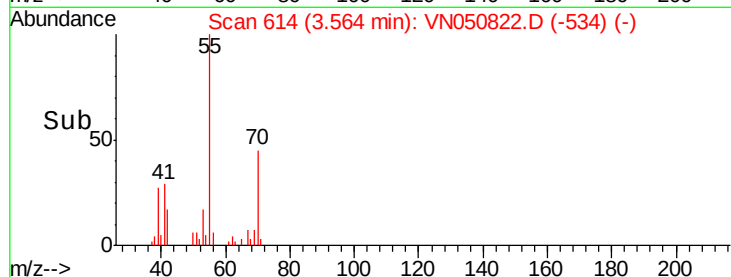
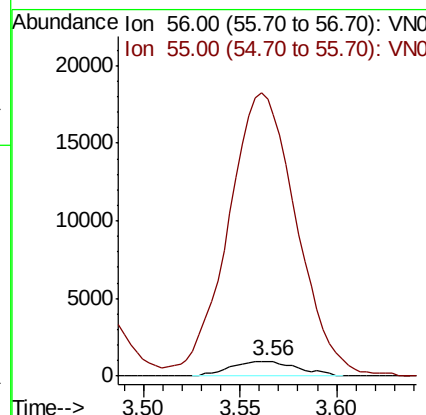
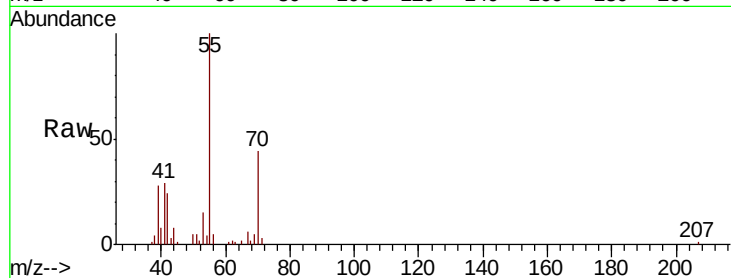
EP1-240-UST-SLUDGE

Tot Ion: 56 Resp: 2311

Ion Ratio Lower Upper

56 100

55 1940.8 57.7 86.5#



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050822.D

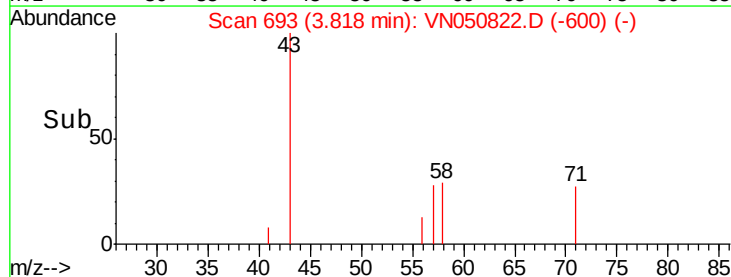
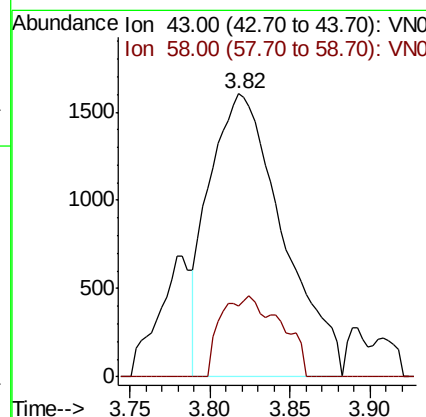
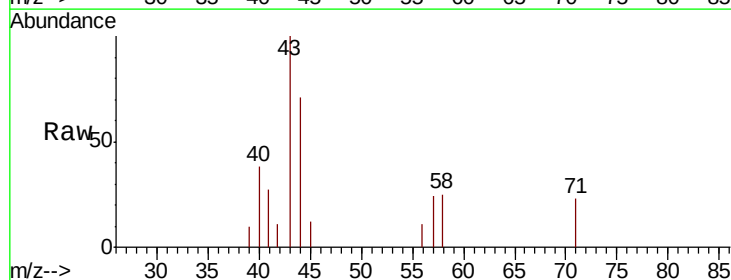
Acq: 22 Aug 2018 16:16

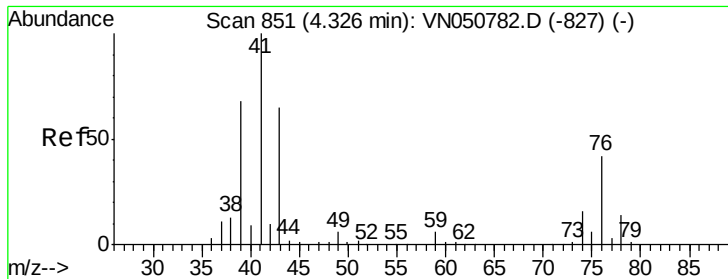
Tgt Ion: 43 Resp: 5059

Ion Ratio Lower Upper

43 100

58 25.2 27.2 40.8#

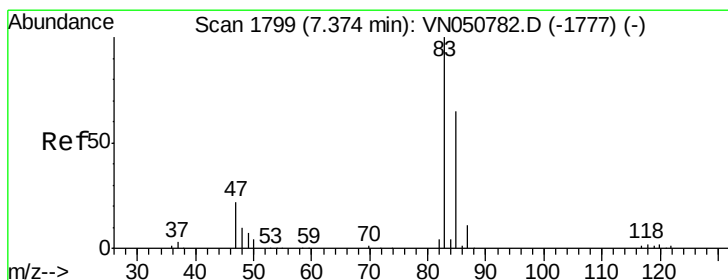
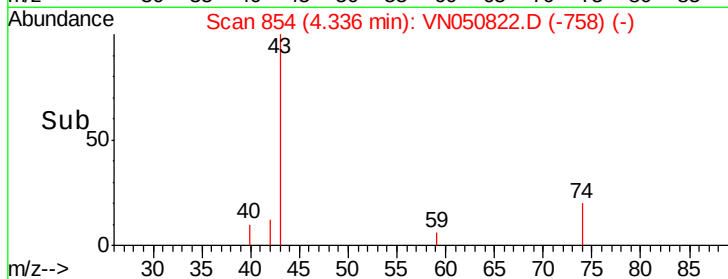
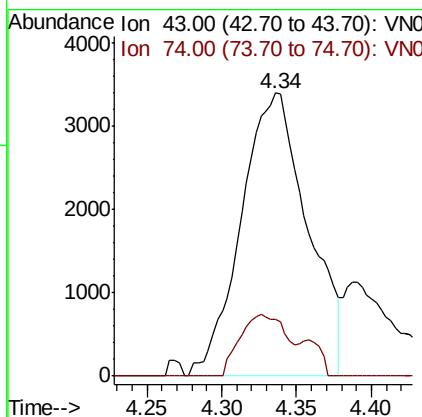
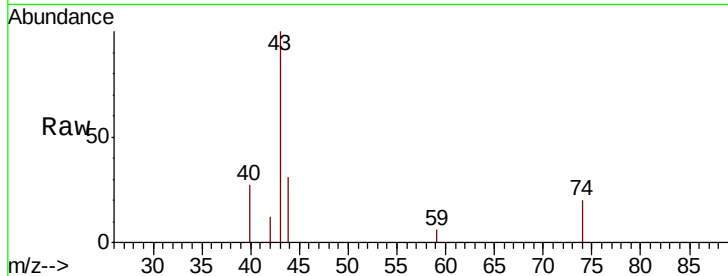




#18
Methvl Acetate
Concen: 1.17 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

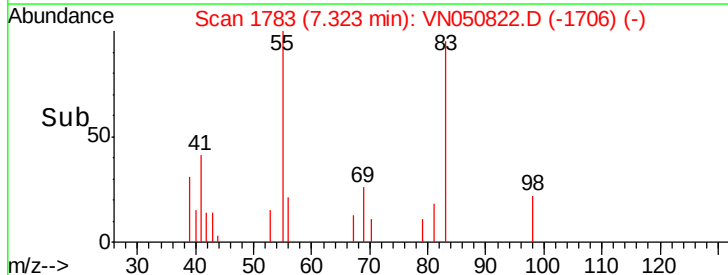
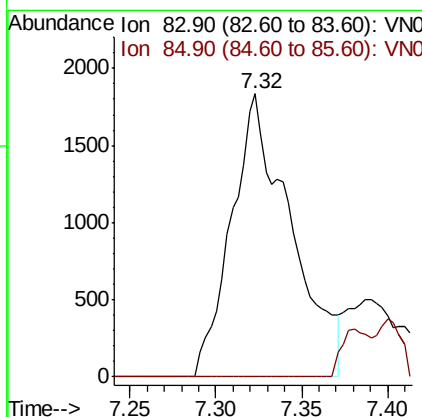
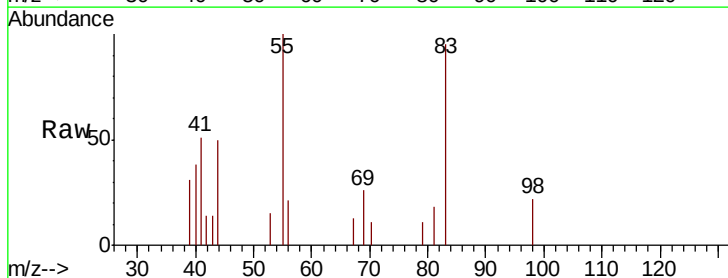
Instrument :
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EP1-240-UST-SLUDGE

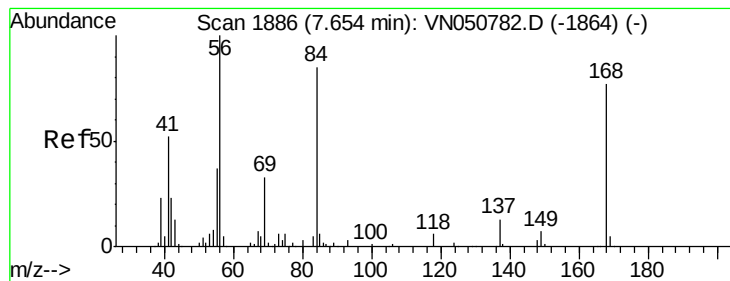
Tot Ion: 43 Resp: 10521
Ion Ratio Lower Upper
43 100
74 15.0 19.8 29.8#



#30
Chloroform
Concen: 0.25 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.05 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 83 Resp: 4385
Ion Ratio Lower Upper
83 100
85 0.0 52.2 78.4#





#31

Cyclohexane

Concen: 6.07 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

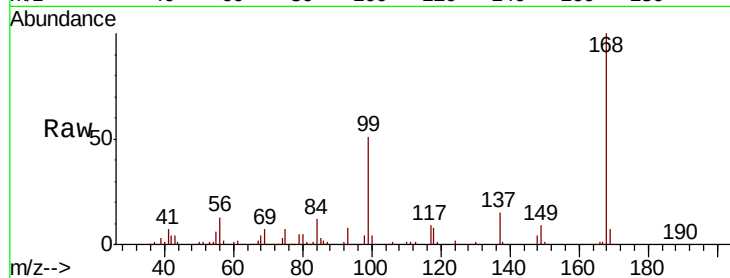
Tot Ion: 56 Resp: 91396

Ion Ratio Lower Upper

56 100

69 54.9 26.2 39.4#

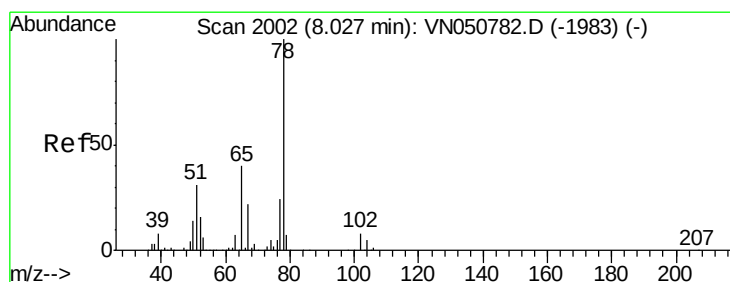
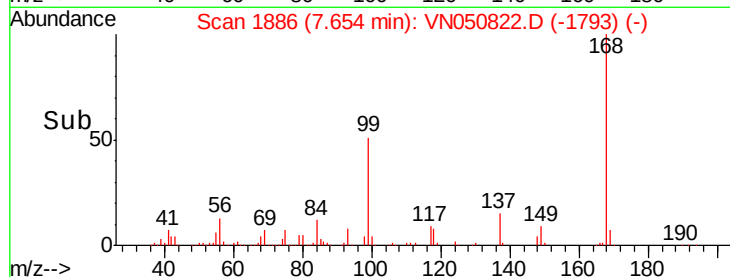
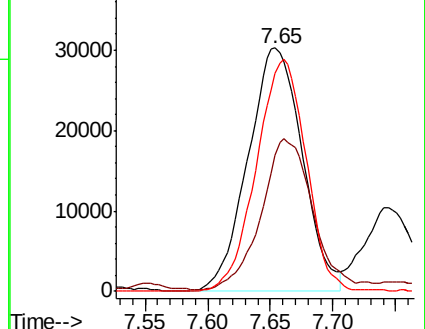
84 89.4 68.3 102.5



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: 48.09 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050822.D

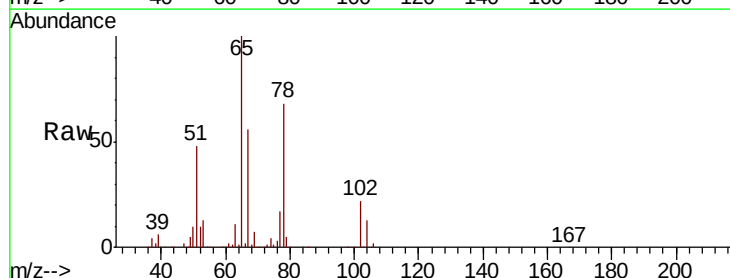
Acq: 22 Aug 2018 16:16

Tgt Ion: 65 Resp: 459655

Ion Ratio Lower Upper

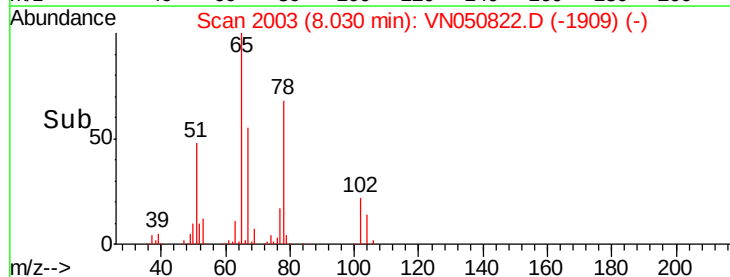
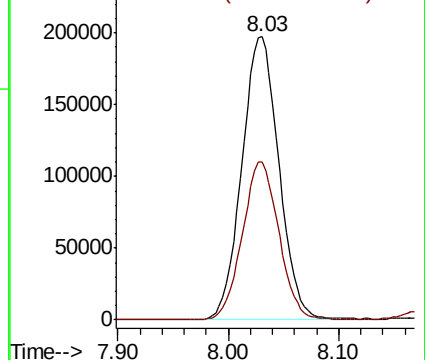
65 100

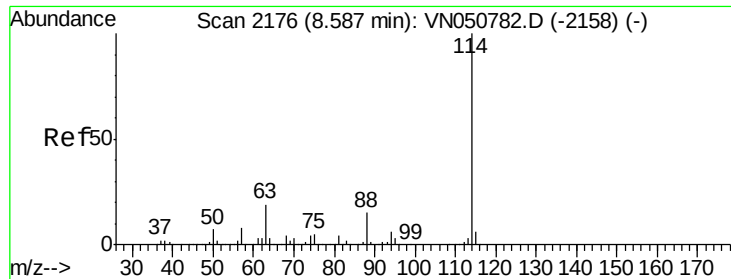
67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

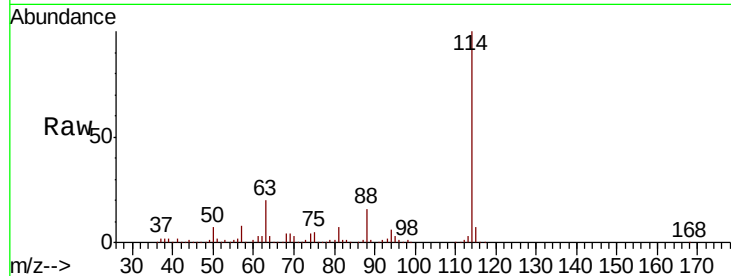




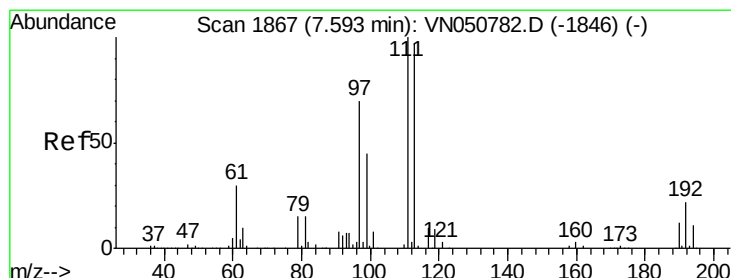
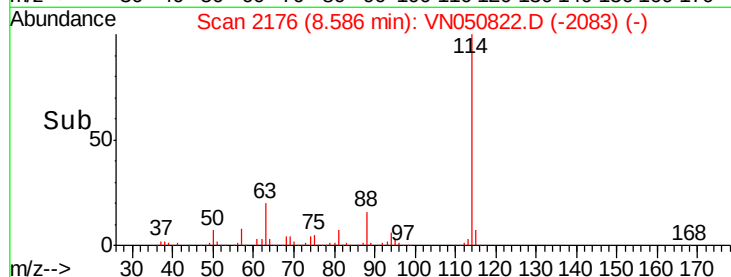
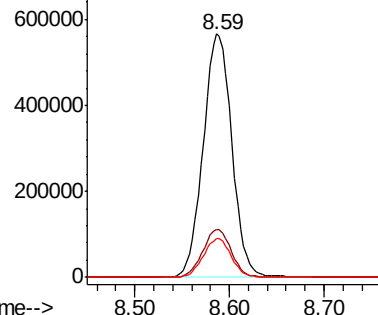
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

Tot Ion:114 Resp: 1192719
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.8 0.0 30.6

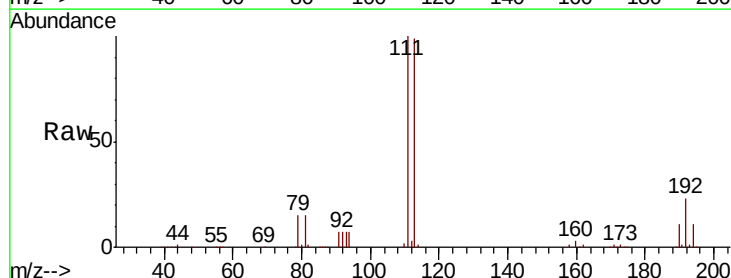


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

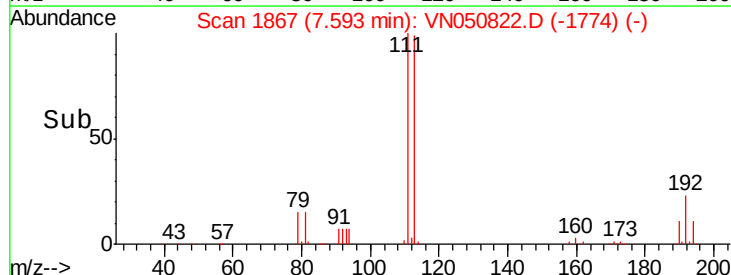
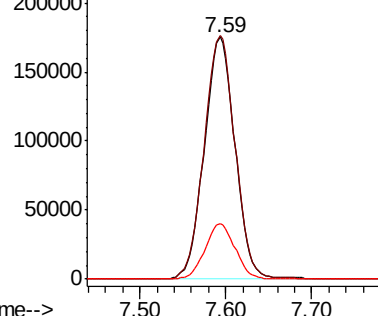


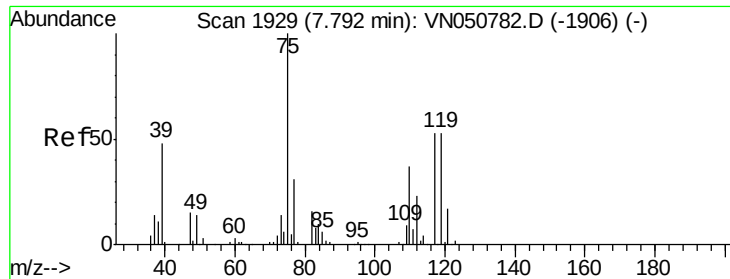
#35
 Dibromofluoromethane
 Concen: 45.78 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Tgt Ion:113 Resp: 434370
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 22.4 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

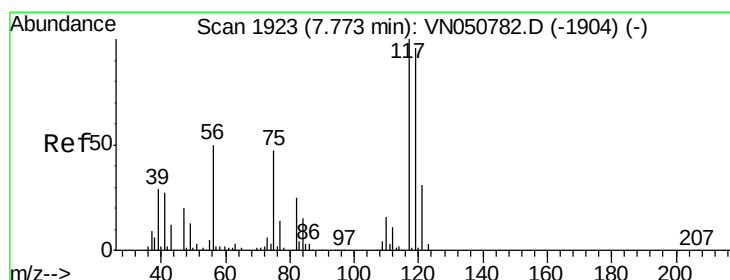
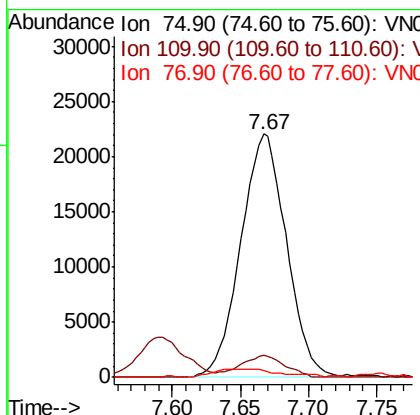
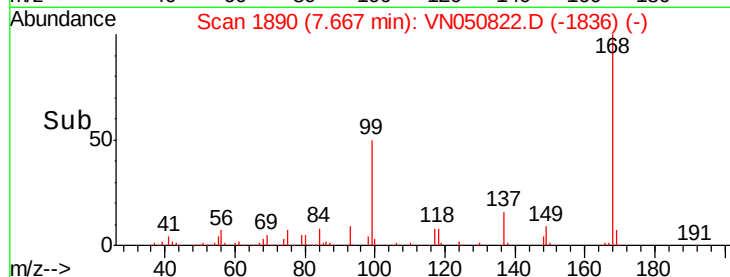
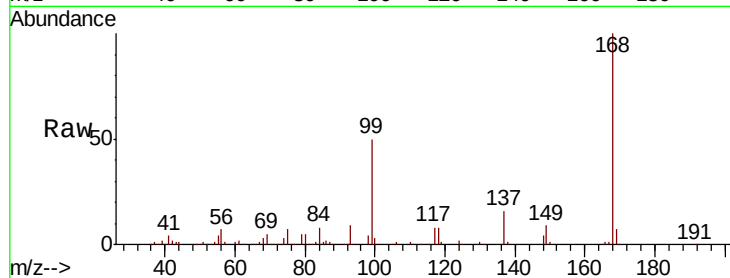




#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

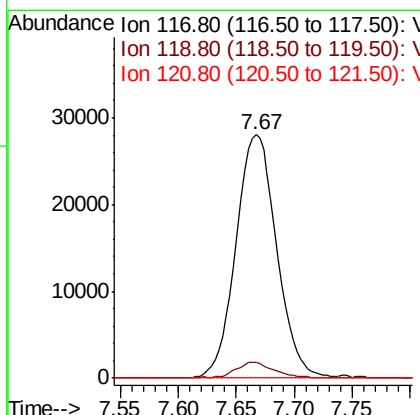
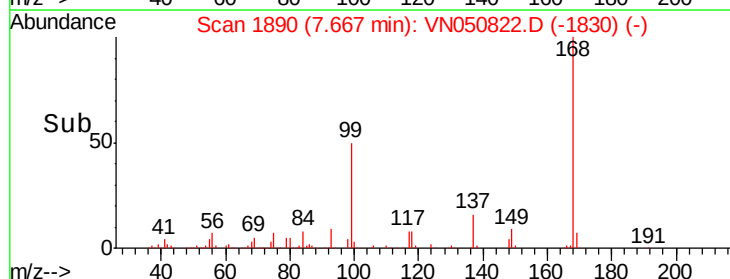
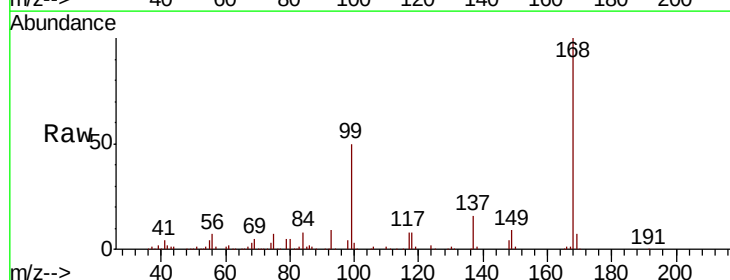
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

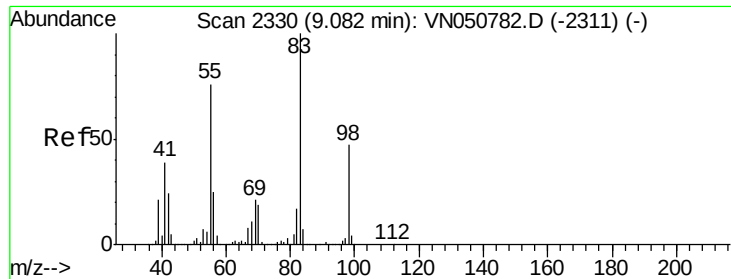
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.82 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.3	114.5#
121	0.0	24.6	36.8#

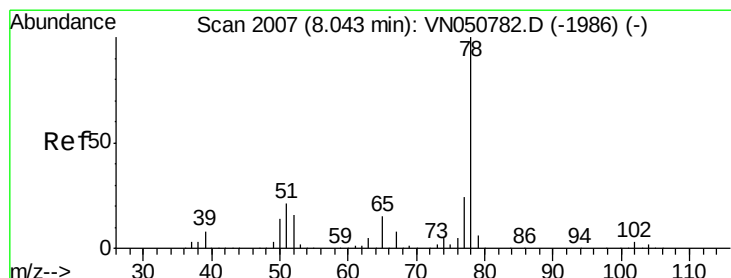
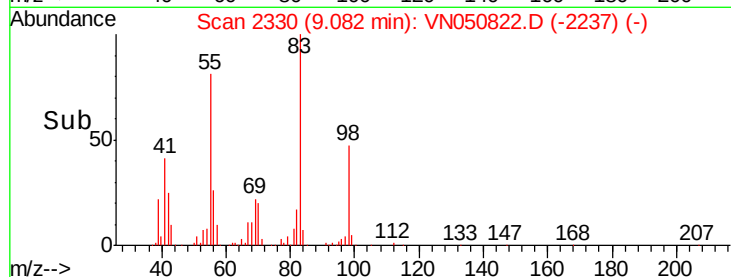
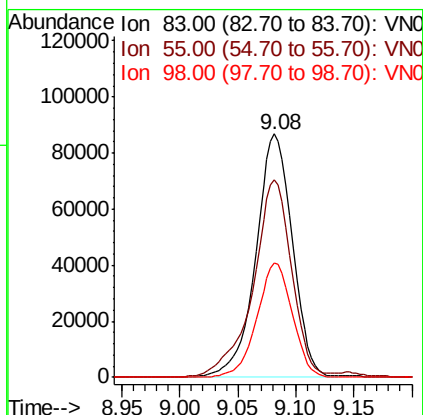
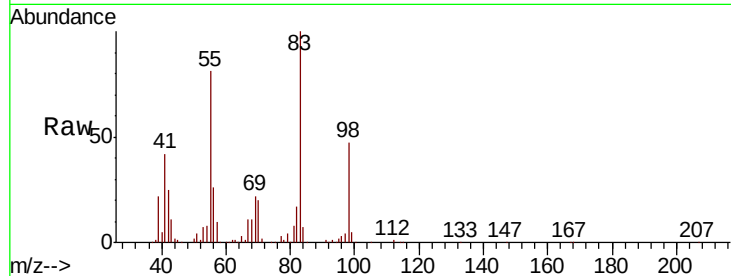




#39
Methylvlcyclohexane
Concen: 12.52 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

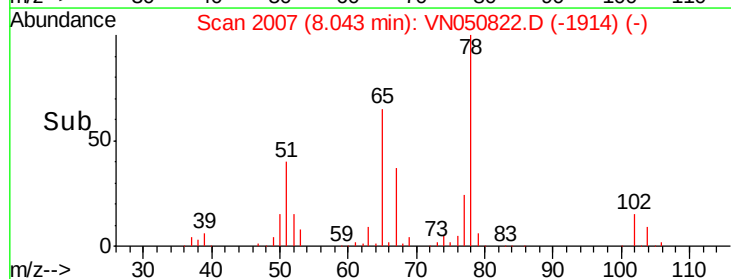
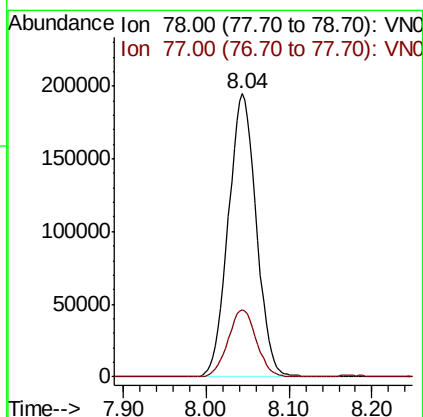
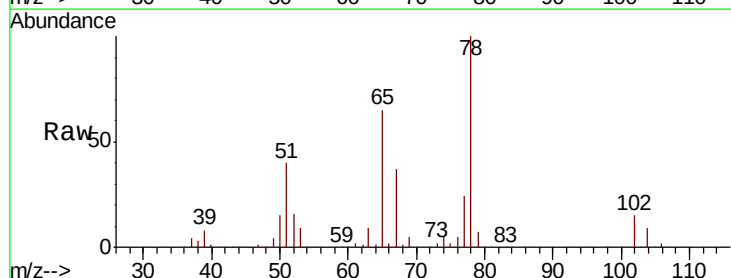
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

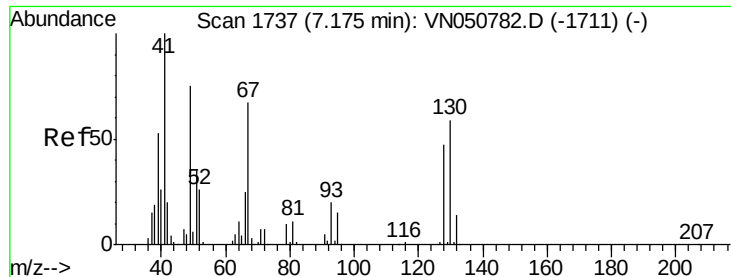
Tot Ion: 83 Resp: 190639
Ion Ratio Lower Upper
83 100
55 80.7 61.0 91.4
98 46.9 37.5 56.3



#40
Benzene
Concen: 10.80 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 78 Resp: 458494
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

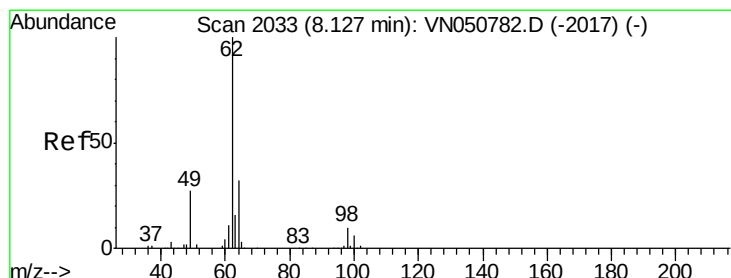
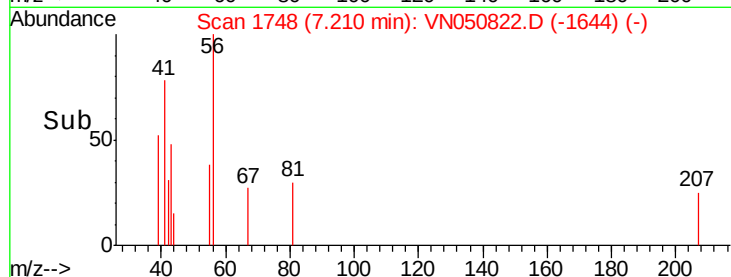
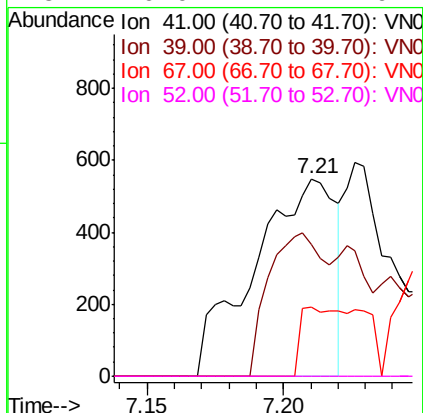
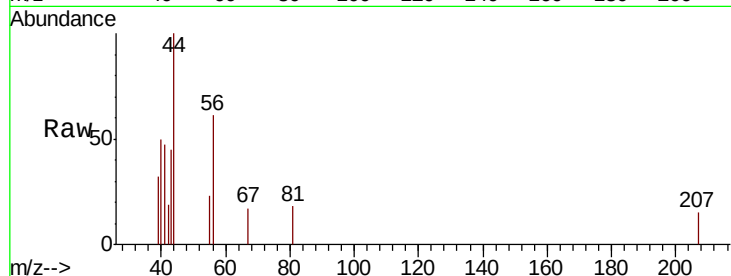




#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

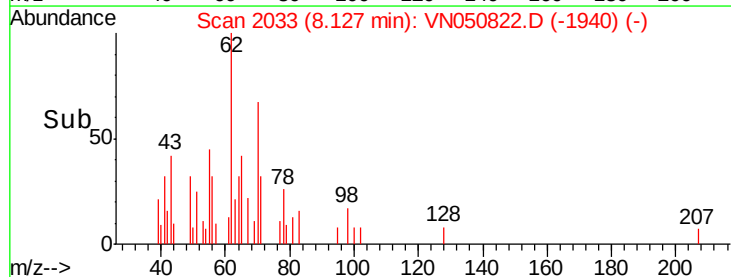
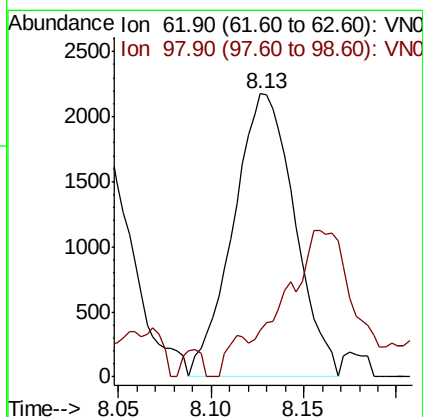
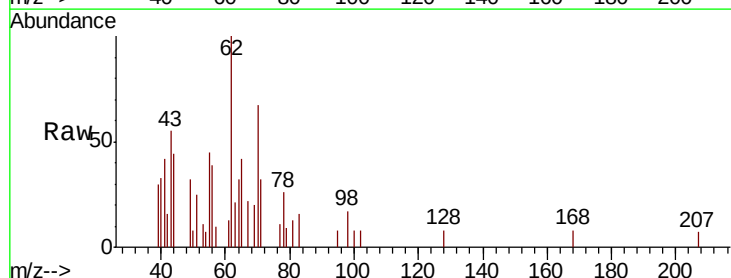
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

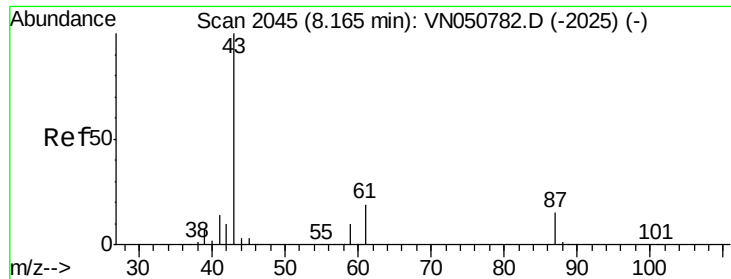
Tot Ion: 41 Resp: 1137
Ion Ratio Lower Upper
41 100
39 50.1 45.4 68.0
67 0.0 70.6 106.0#
52 0.0 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 0.39 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 62 Resp: 4996
Ion Ratio Lower Upper
62 100
98 5.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 0.47 ug/l

RT: 8.15 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

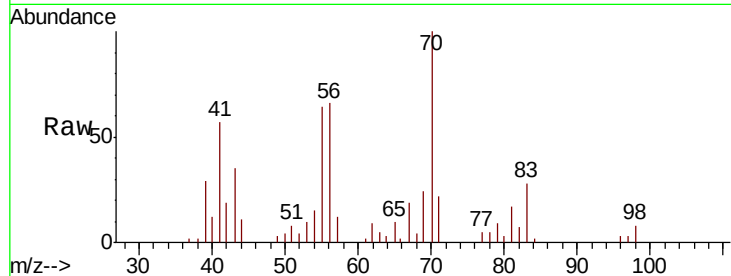
Tot Ion: 43 Resp: 6488

Ion Ratio Lower Upper

43 100

61 10.3 17.5 26.3#

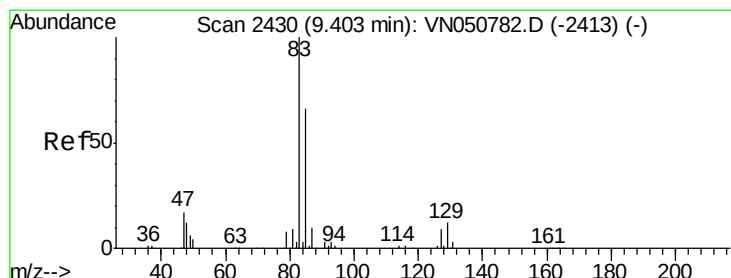
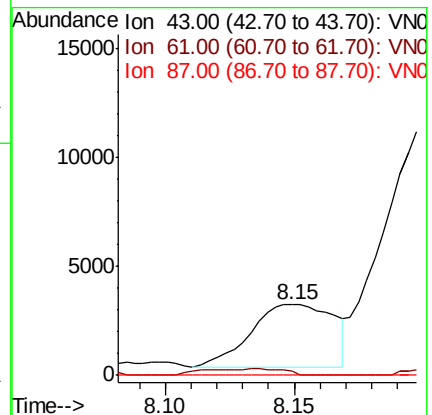
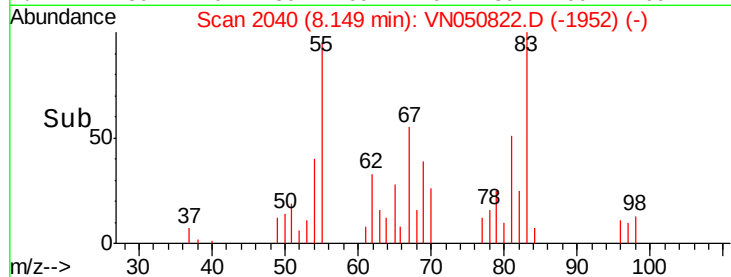
87 0.0 11.3 16.9#



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



#47

Bromodichloromethane

Concen: 0.45 ug/l

RT: 9.39 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

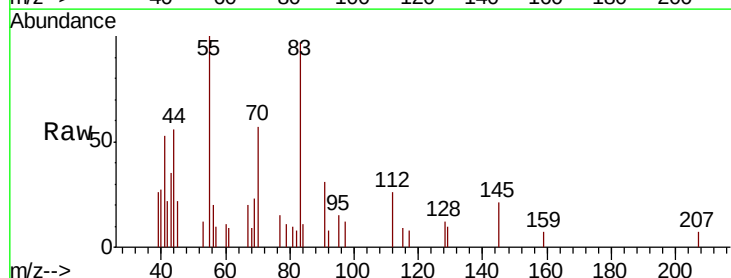
Tgt Ion: 83 Resp: 6211

Ion Ratio Lower Upper

83 100

85 0.0 52.6 78.8#

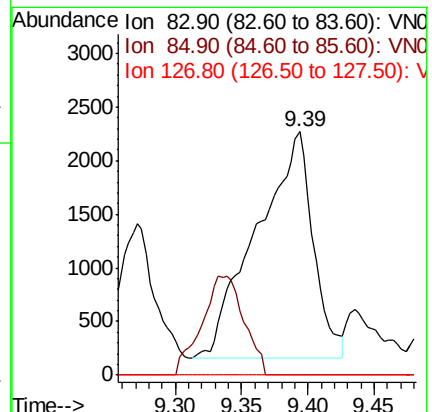
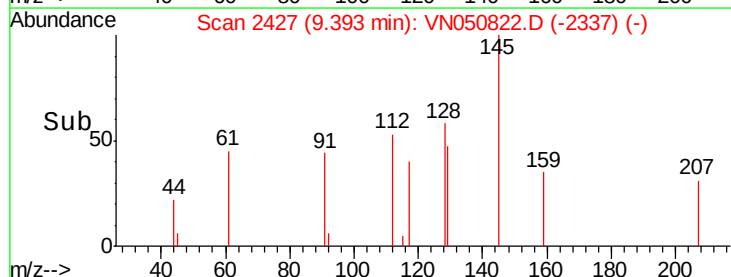
127 0.0 7.2 10.8#

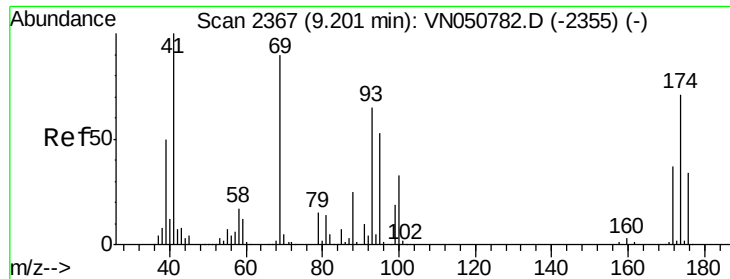


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

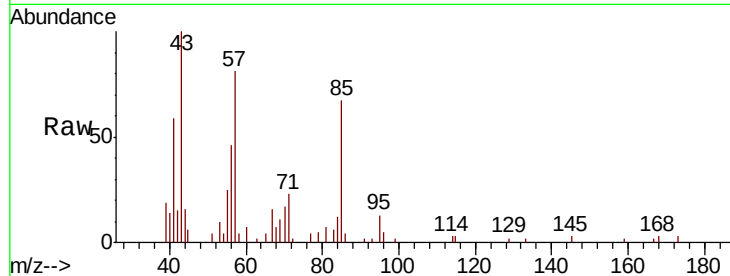




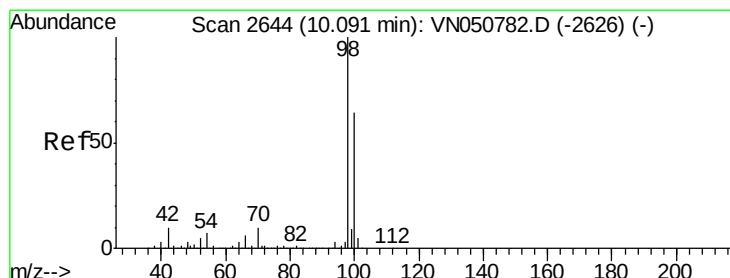
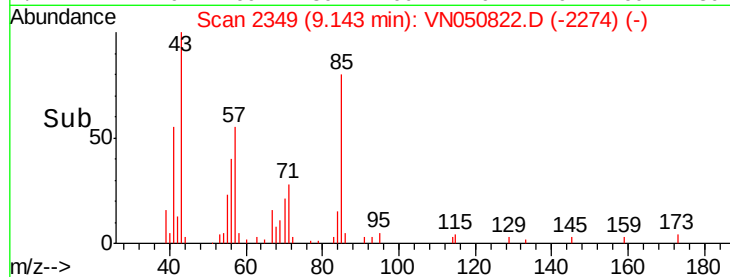
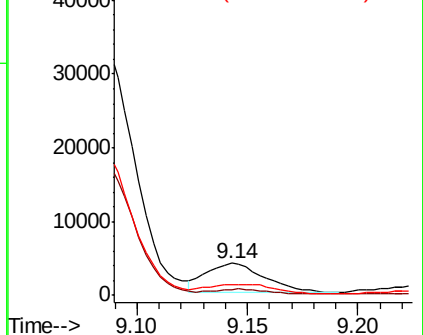
#48
Methvl methacrylate
Concen: 1.06 ug/l
RT: 9.14 min Scan# 2349
Delta R.T. -0.06 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

Tot Ion: 41 Resp: 7510
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 37.5 42.2 63.2#

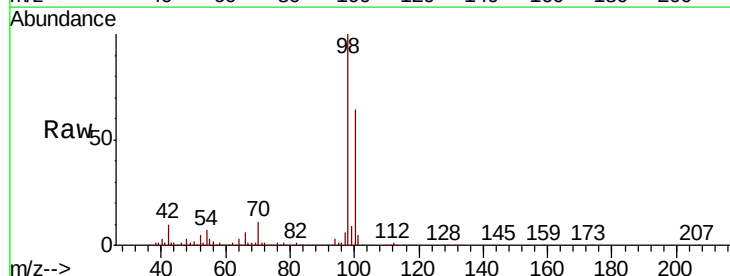


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

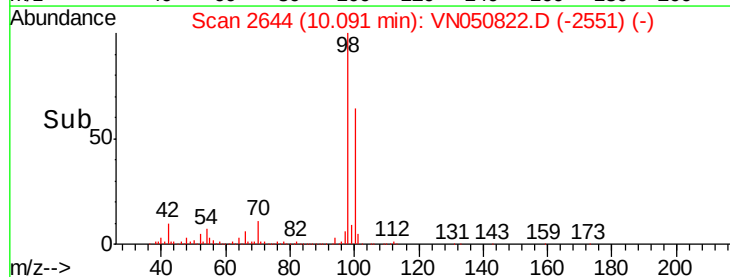
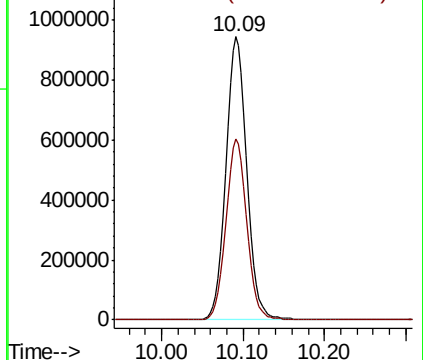


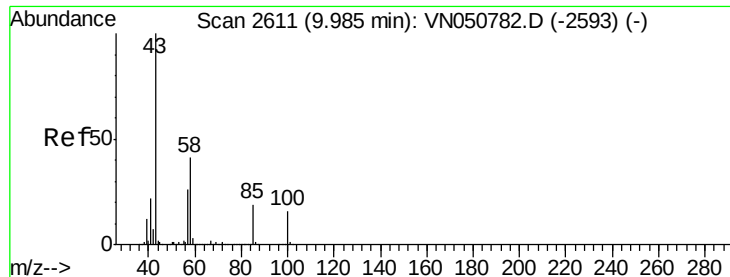
#50
Toluene-d8
Concen: 48.21 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 98 Resp: 1710364
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

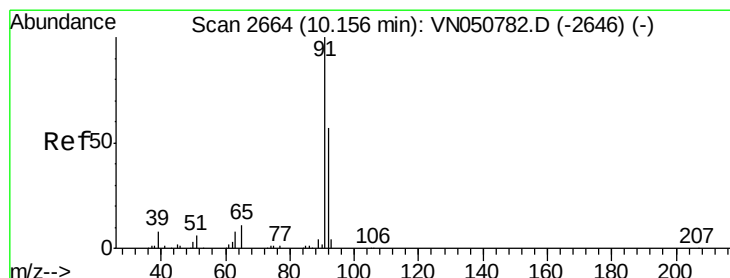
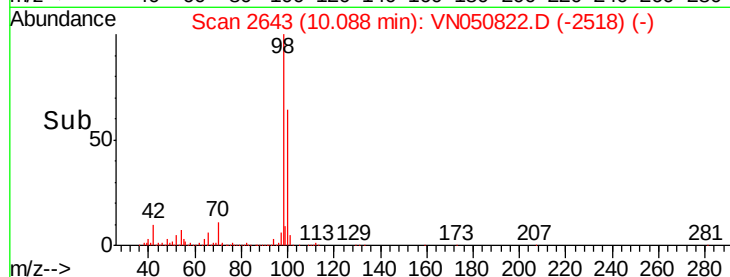
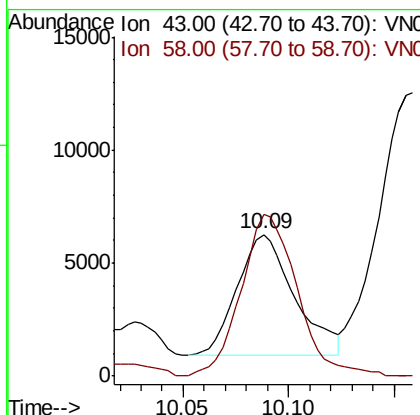
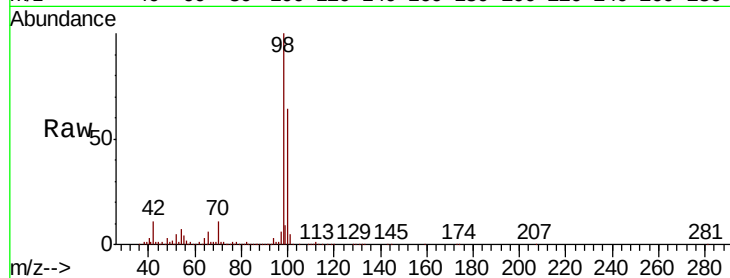




#51
 4-Methyl-2-Pentanone
 Concen: 1.20 ug/l
 RT: 10.09 min Scan# 2643
 Delta R.T. 0.10 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

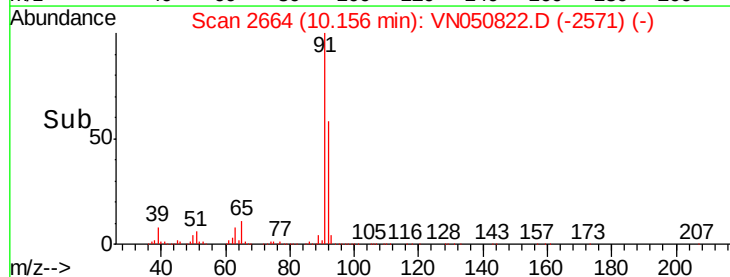
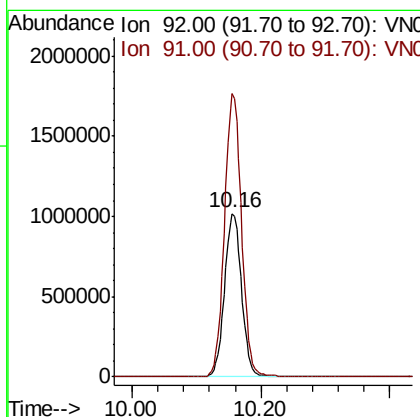
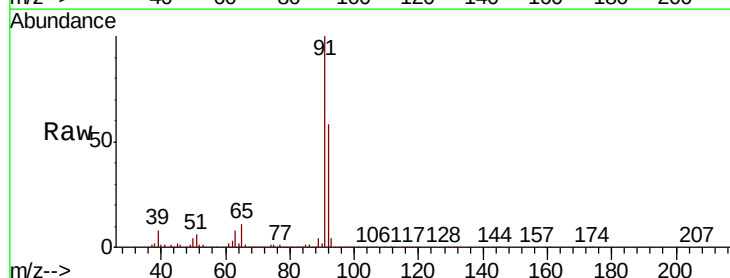
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

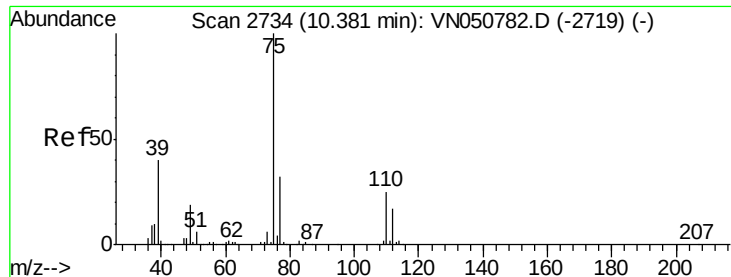
Tot Ion: 43 Resp: 9968
 Ion Ratio Lower Upper
 43 100
 58 132.9 32.4 48.6#



#52
 Toluene
 Concen: 74.06 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Tgt Ion: 92 Resp: 1862054
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 1.55 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.22 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

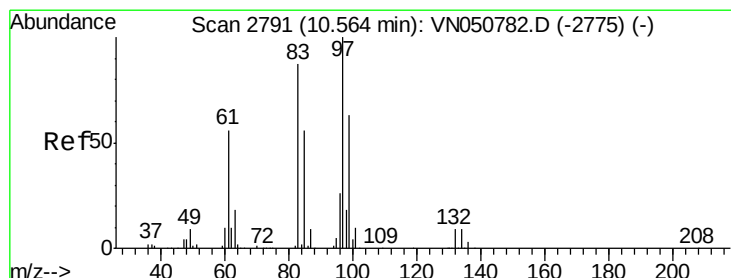
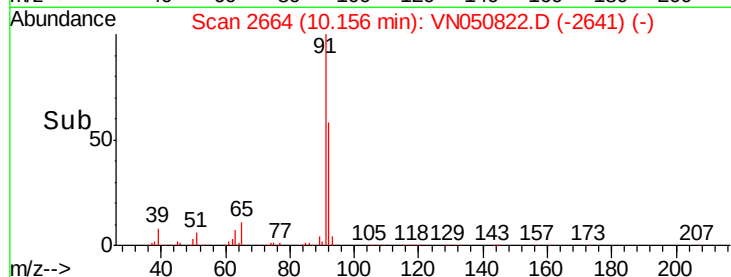
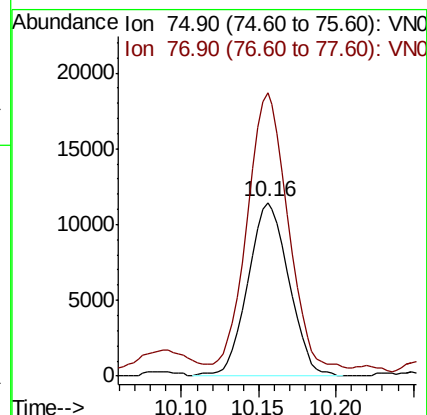
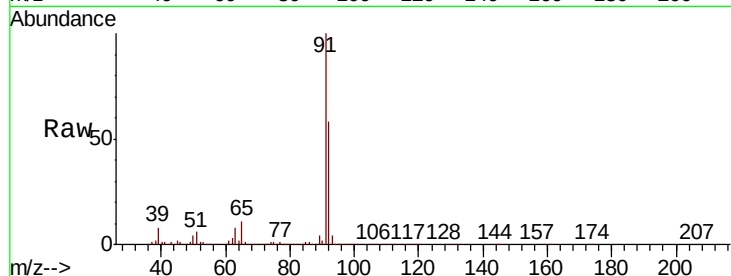
EP1-240-UST-SLUDGE

Tot Ion: 75 Resp: 21145

Ion Ratio Lower Upper

75 100

77 157.2 25.7 38.5#



#55

1,1,2-Trichloroethane

Concen: 3.67 ug/l

RT: 10.53 min Scan# 2780

Delta R.T. -0.04 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Tgt Ion: 97 Resp: 34246

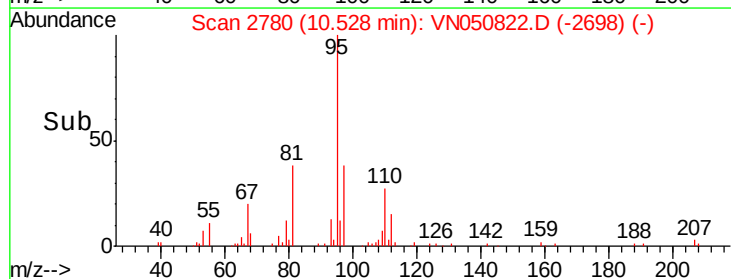
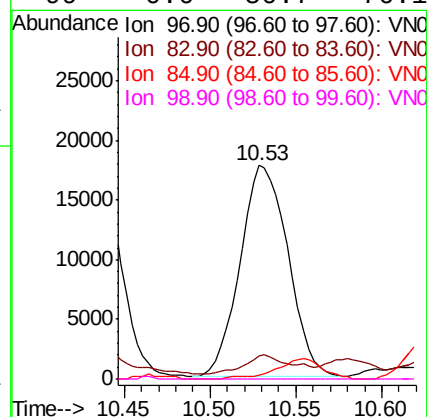
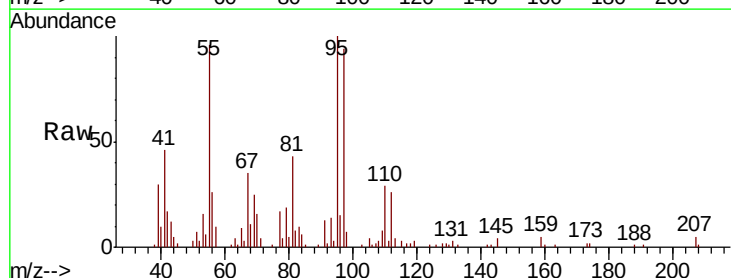
Ion Ratio Lower Upper

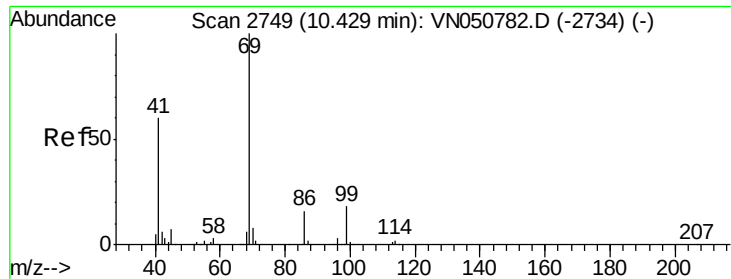
97 100

83 8.5 69.7 104.5#

85 1.5 44.5 66.7#

99 0.0 50.7 76.1#





#56

Ethyl methacrylate

Concen: 2.97 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.01 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

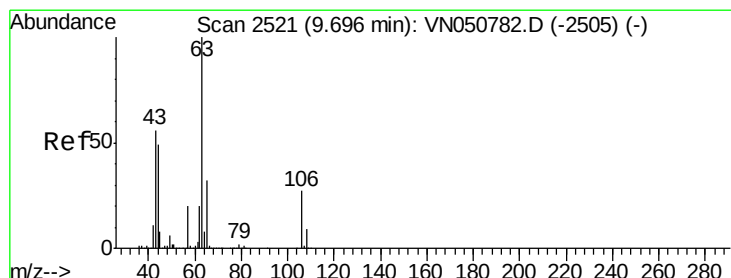
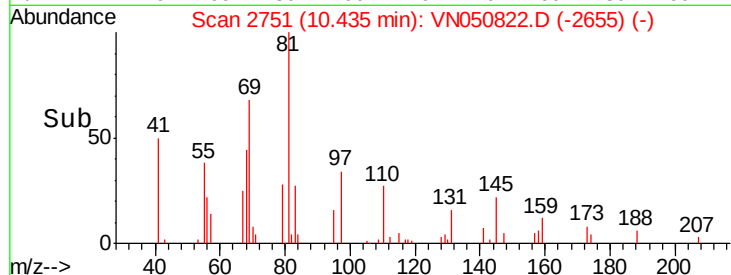
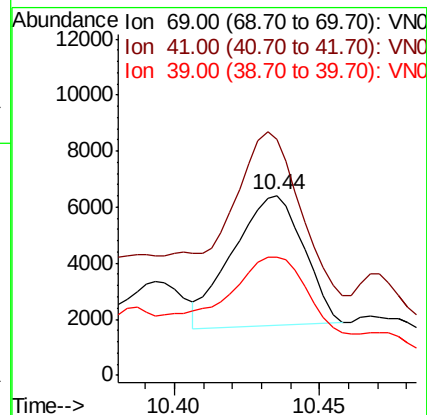
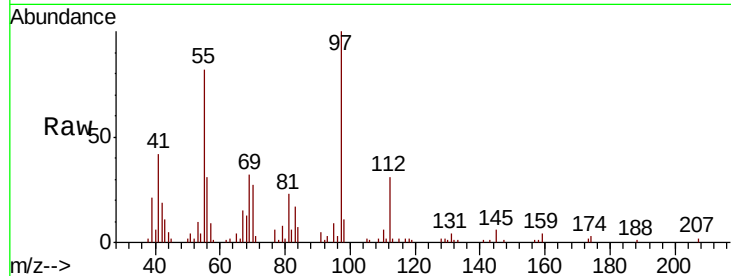
Tot Ion: 69 Resp: 7886

Ion Ratio Lower Upper

69 100

41 114.7 48.3 72.5#

39 0.0 24.0 36.0#



#58

2-Chloroethyl Vinyl ether

Concen: 12.25 ug/l

RT: 9.68 min Scan# 2515

Delta R.T. -0.02 min

Lab File: VN050822.D

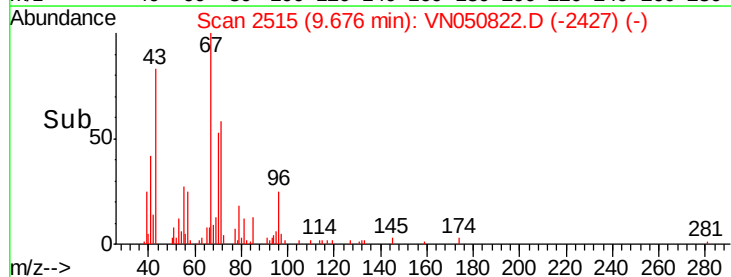
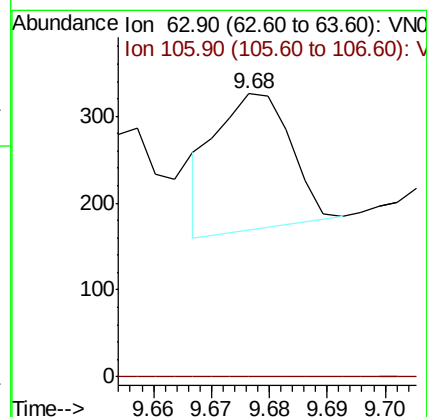
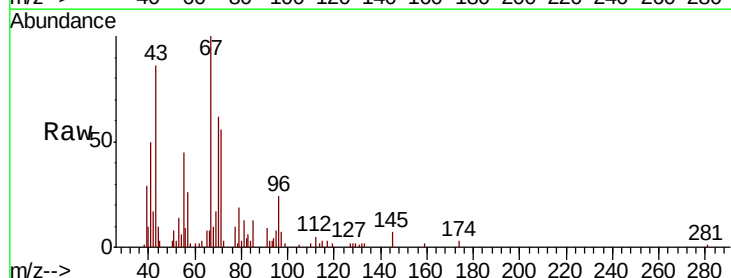
Acq: 22 Aug 2018 16:16

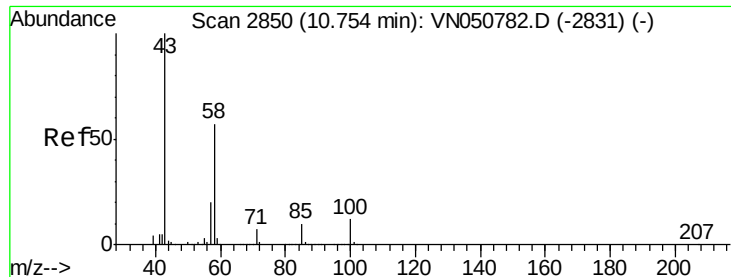
Tgt Ion: 63 Resp: 141

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

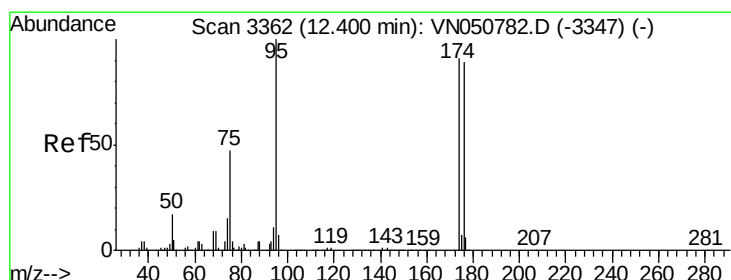
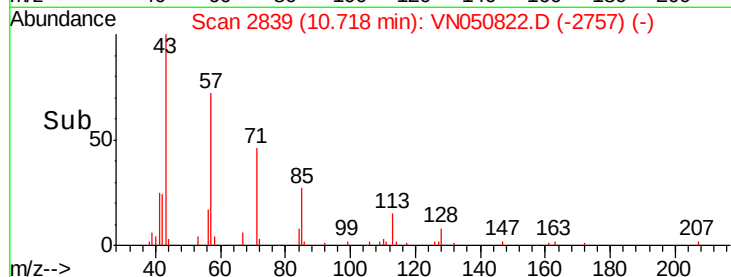
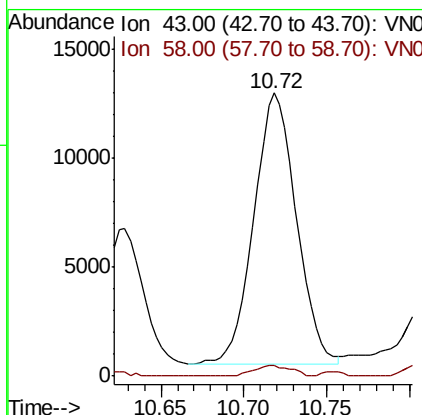
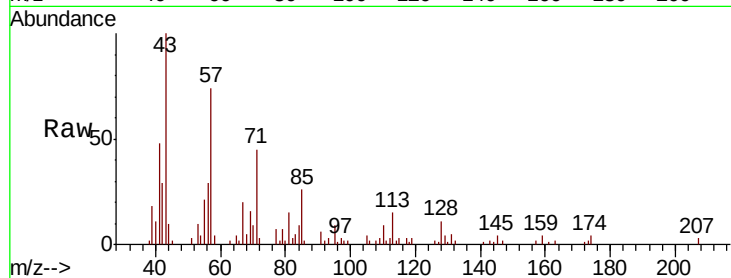




#59
2-Hexanone
Concen: 4.04 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.04 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

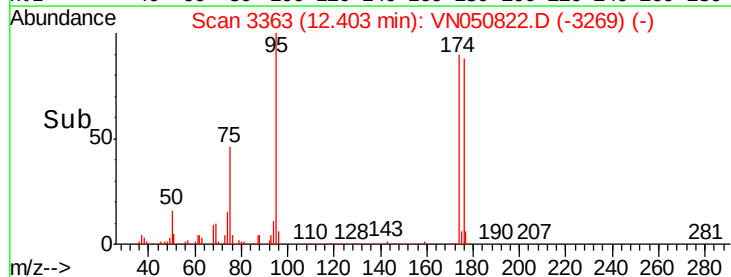
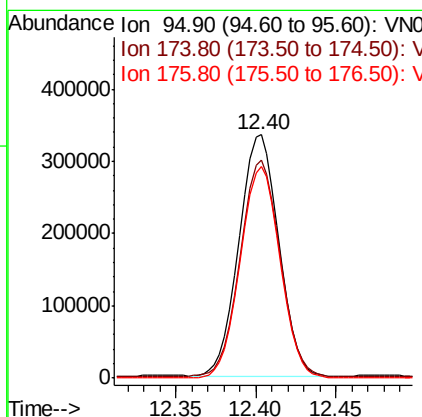
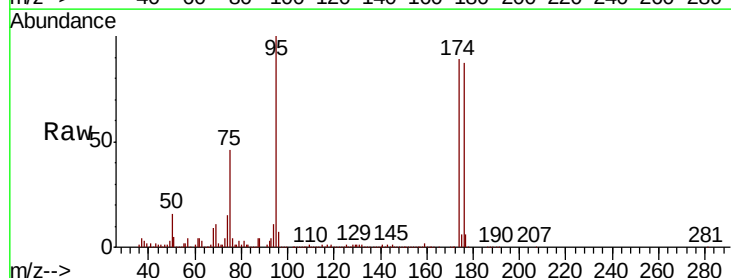
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

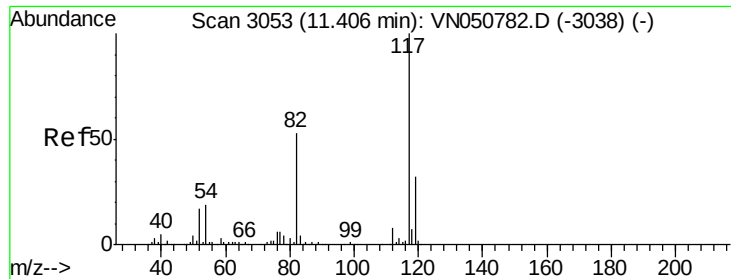
Tot Ion: 43 Resp: 22304
Ion Ratio Lower Upper
43 100
58 3.4 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 48.13 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 95 Resp: 567418
Ion Ratio Lower Upper
95 100
174 89.1 0.0 183.0
176 87.6 0.0 178.8

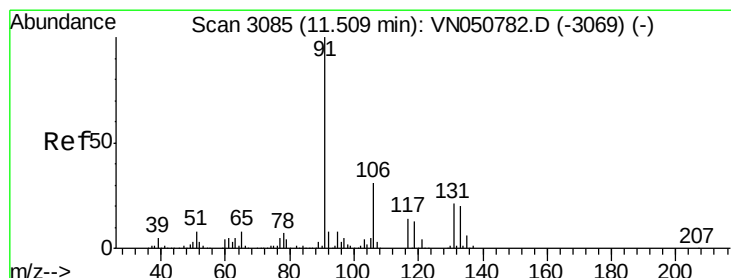
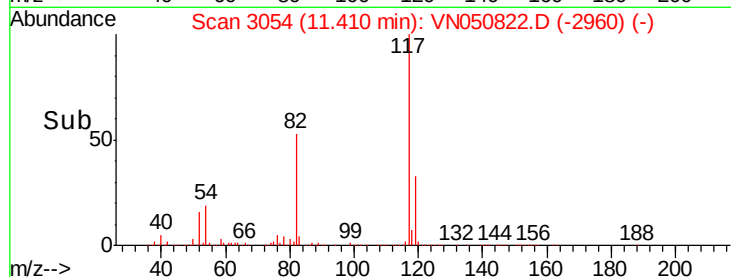
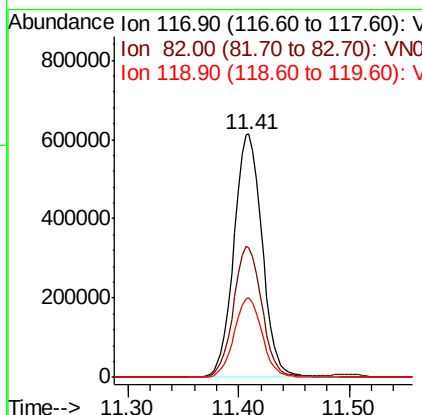
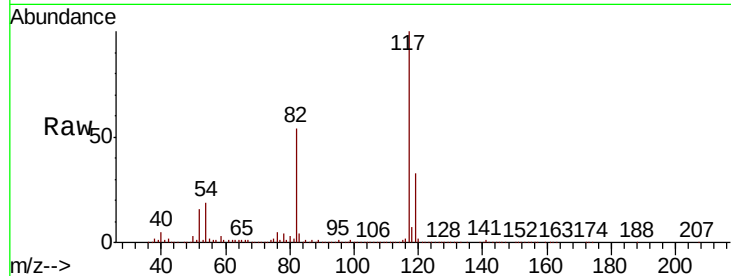




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

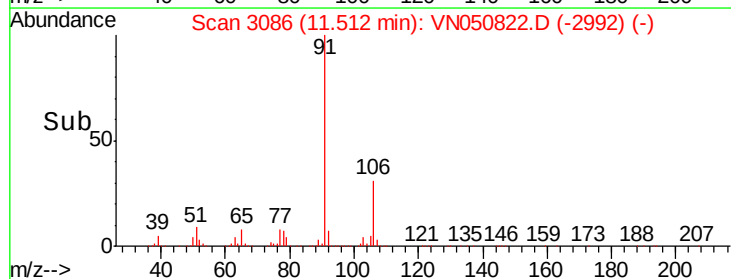
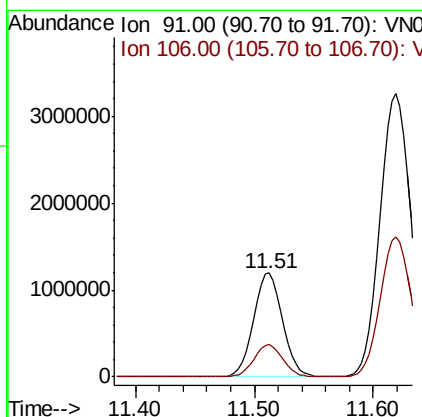
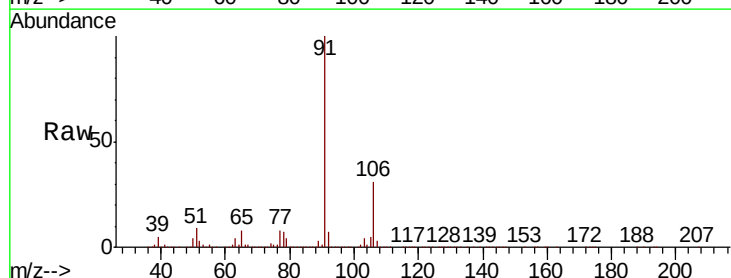
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

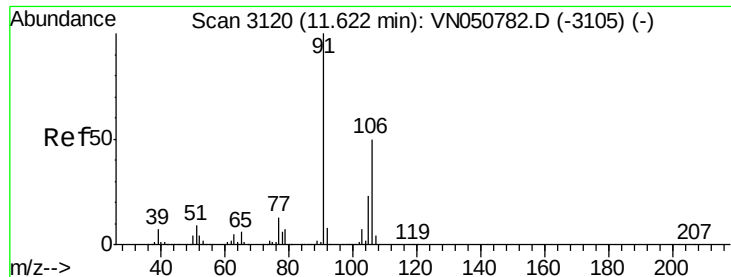
Tot Ion:117 Resp: 1085472
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.6 25.8 38.6



#67
Ethyl Benzene
Concen: 43.60 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion: 91 Resp: 2010832
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4





#68

m/p-Xylenes

Concen: 169.89 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

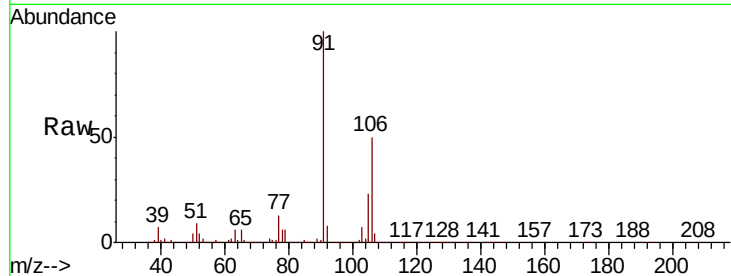
EP1-240-UST-SLUDGE

Tot Ion:106 Resp: 2974344

Ion Ratio Lower Upper

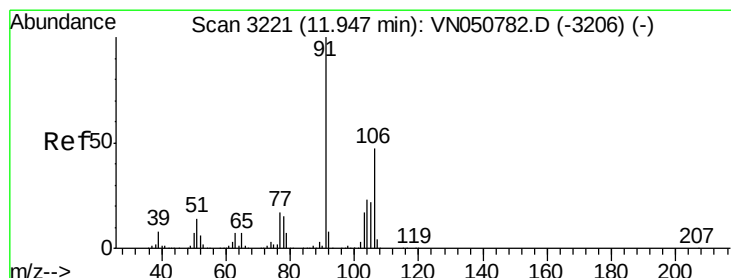
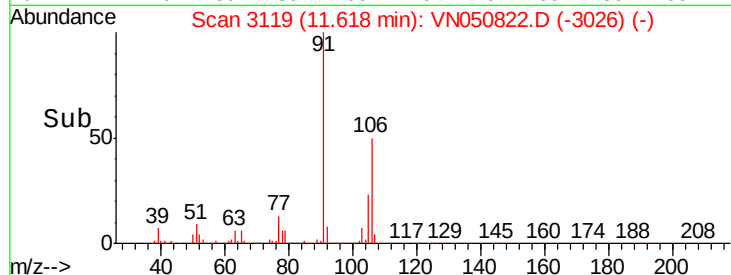
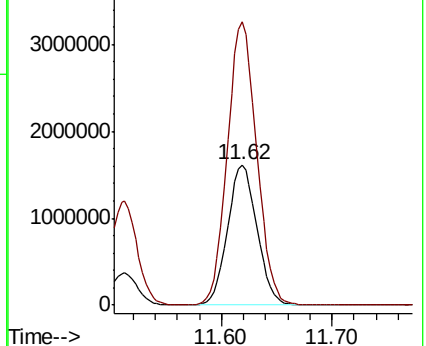
106 100

91 201.5 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 78.63 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN050822.D

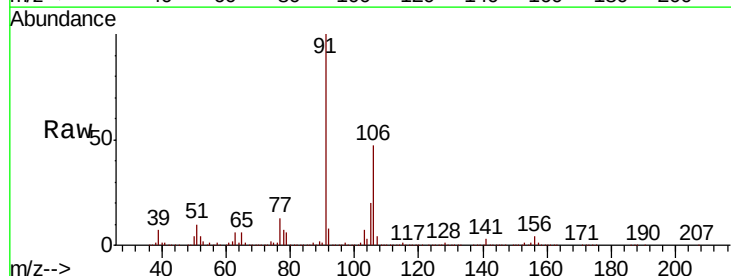
Acq: 22 Aug 2018 16:16

Tgt Ion:106 Resp: 1323458

Ion Ratio Lower Upper

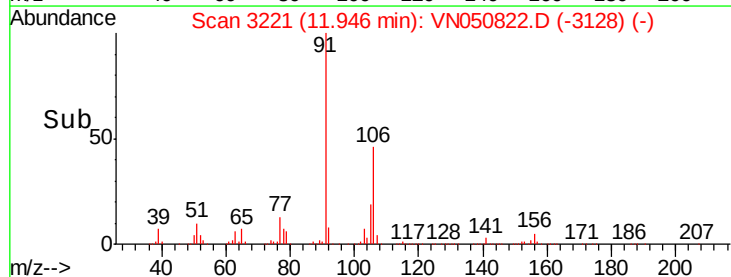
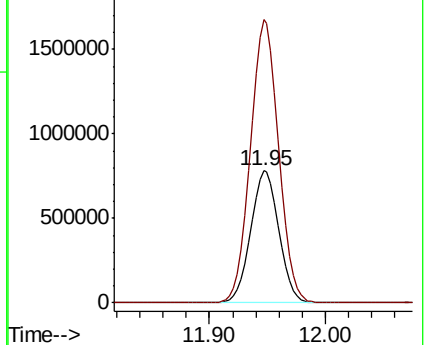
106 100

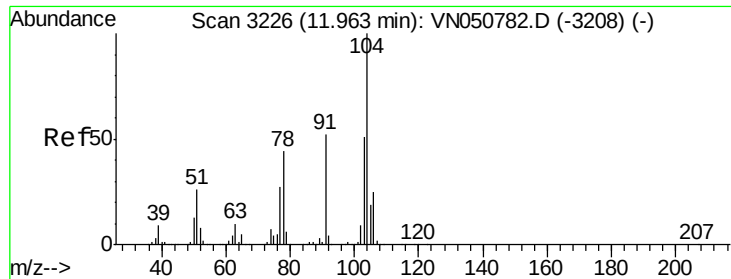
91 214.0 106.5 319.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

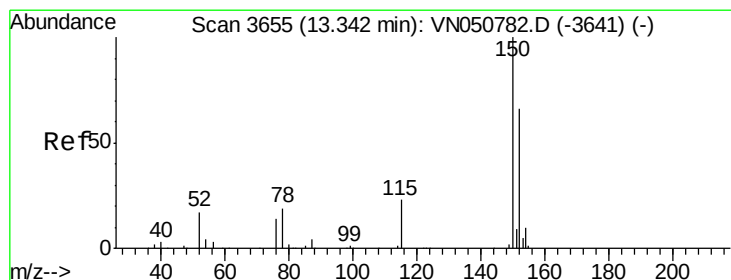
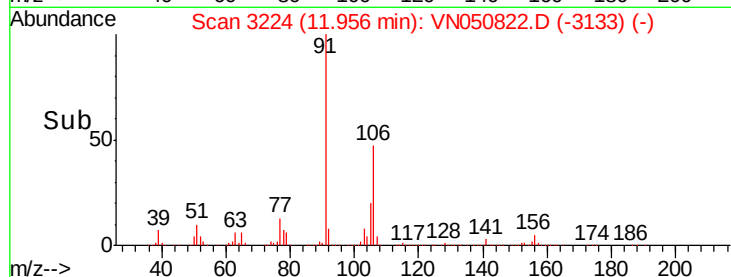
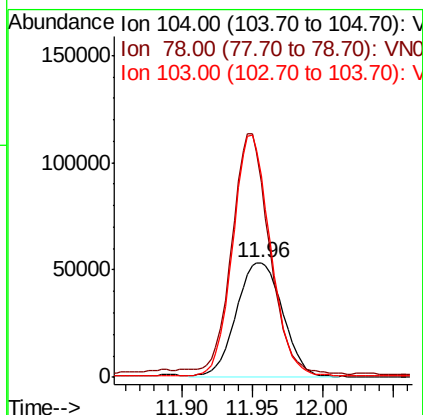
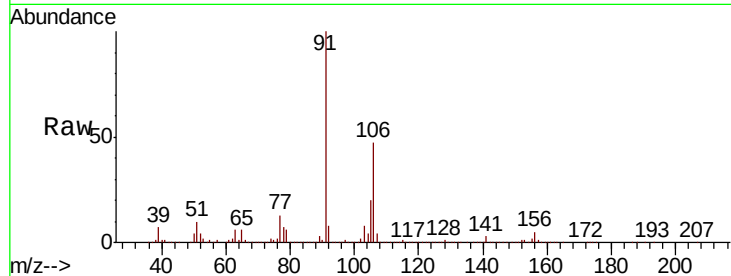




#70
Stvrene
Concen: 5.25 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

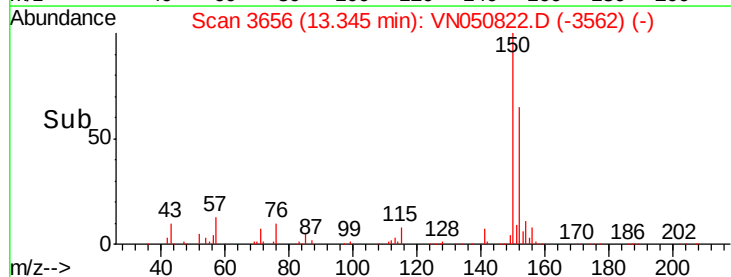
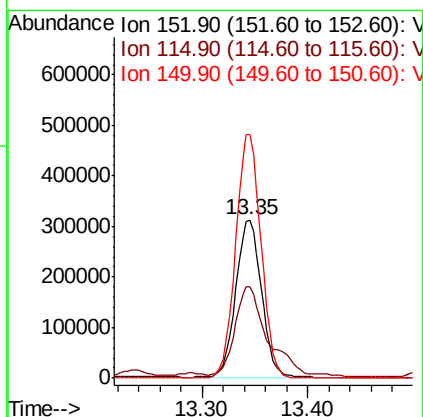
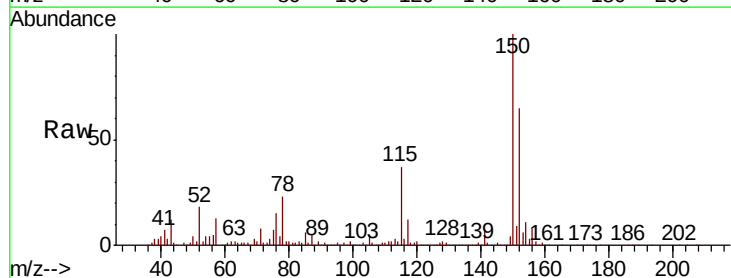
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

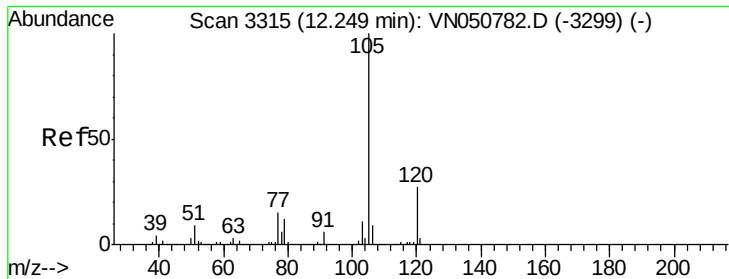
Tot Ion	Ratio	Lower	Upper
104	100		
78	172.6	38.2	57.4#
103	172.5	44.4	66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050822.D
Acq: 22 Aug 2018 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.0	27.8	83.4
150	151.1	0.0	351.4





#73

Isopropylbenzene

Concen: 6.77 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

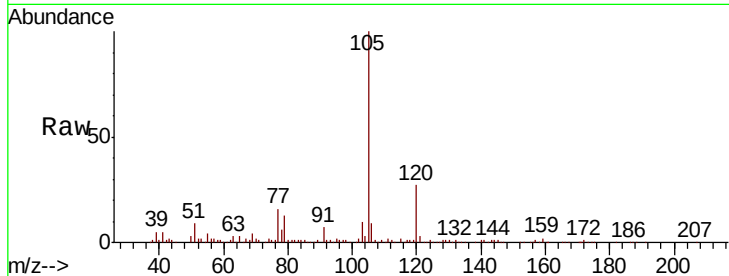
EP1-240-UST-SLUDGE

Tot Ion:105 Resp: 295819

Ion Ratio Lower Upper

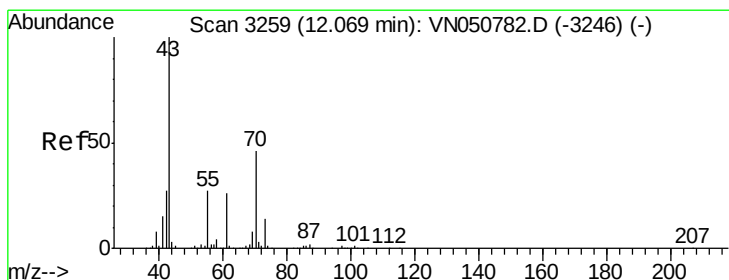
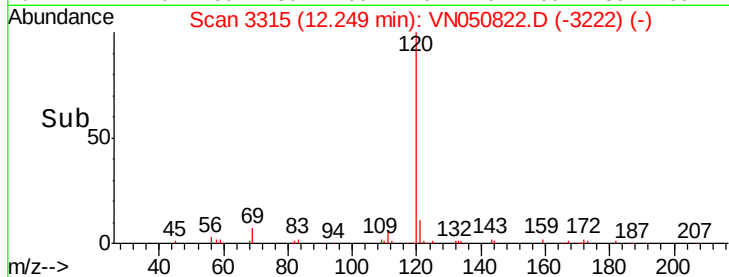
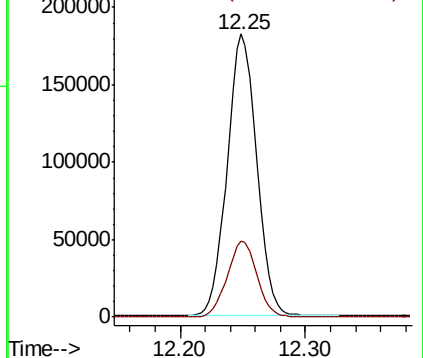
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.10 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.02 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Tgt Ion: 43 Resp: 44999

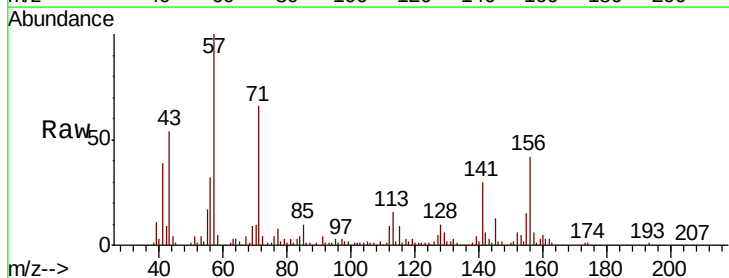
Ion Ratio Lower Upper

43 100

70 14.2 36.2 54.2#

55 11.5 21.8 32.8#

61 0.0 20.5 30.7#

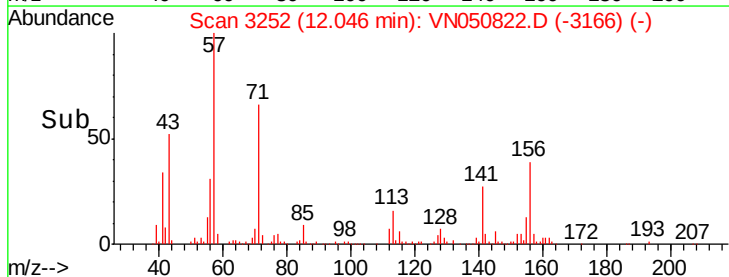
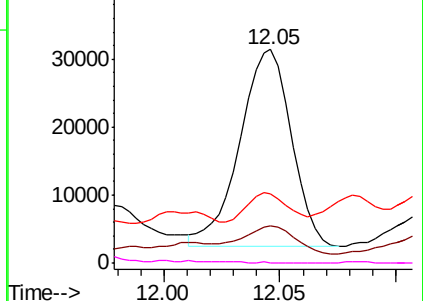


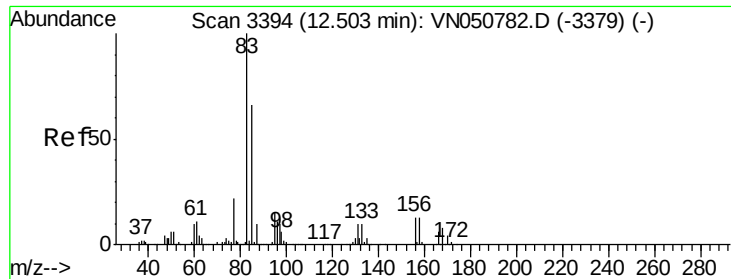
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.45 min Scan# 3377

Delta R.T. -0.05 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

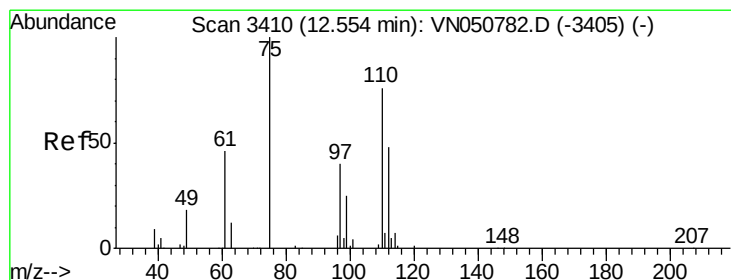
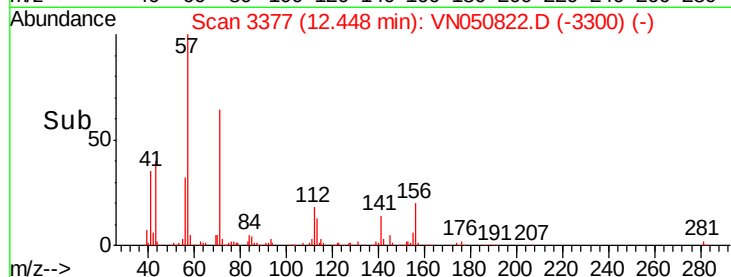
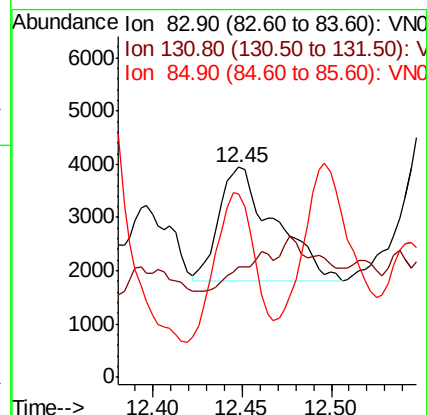
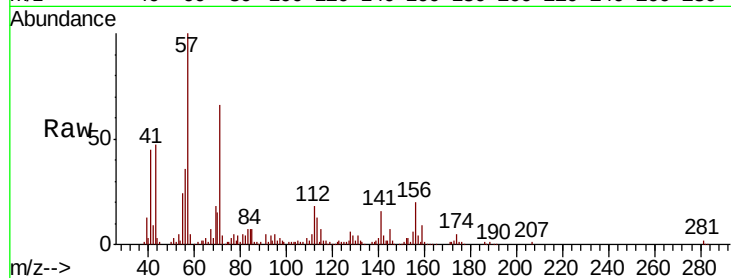
Tot Ion: 83 Resp: 4640

Ion Ratio Lower Upper

83 100

131 16.7 5.3 15.9#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 2.62 ug/l

RT: 12.65 min Scan# 3441

Delta R.T. 0.10 min

Lab File: VN050822.D

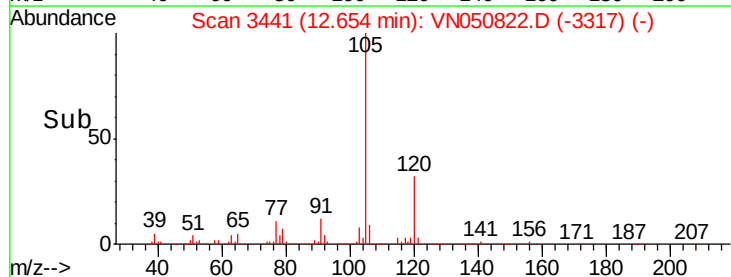
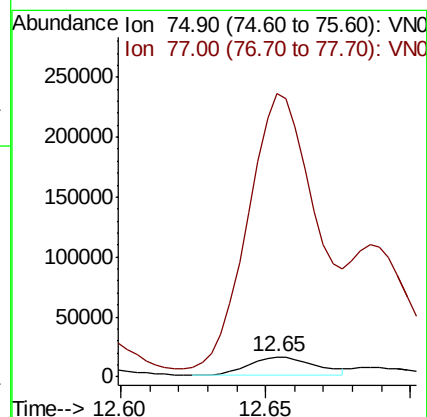
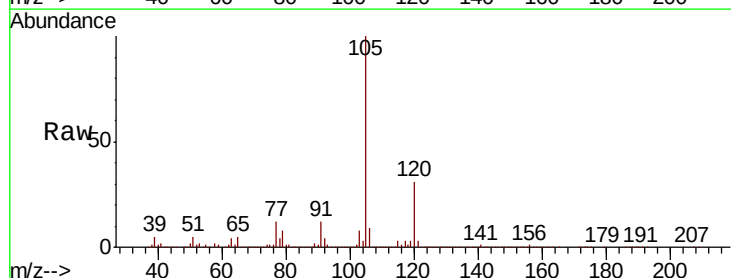
Acq: 22 Aug 2018 16:16

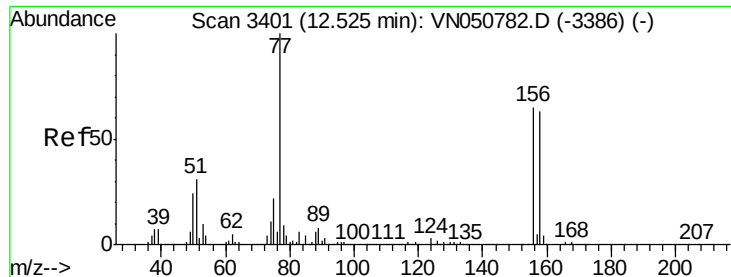
Tgt Ion: 75 Resp: 24243

Ion Ratio Lower Upper

75 100

77 1543.7 0.0 0.0#





#77

Bromobenzene

Concen: 70.66 ug/l

RT: 12.55 min Scan# 3409

Delta R.T. 0.03 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

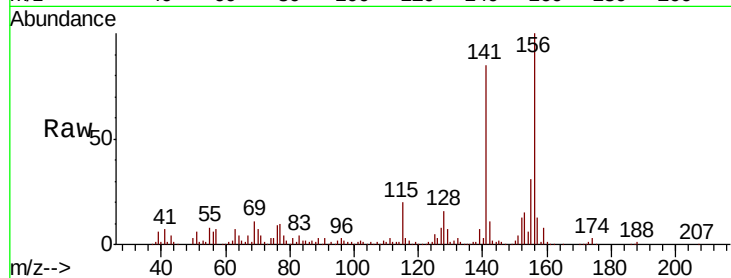
Tot Ion:156 Resp: 838979

Ion Ratio Lower Upper

156 100

77 5.1 89.9 269.7#

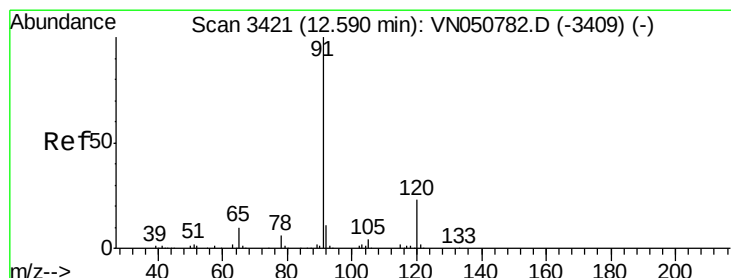
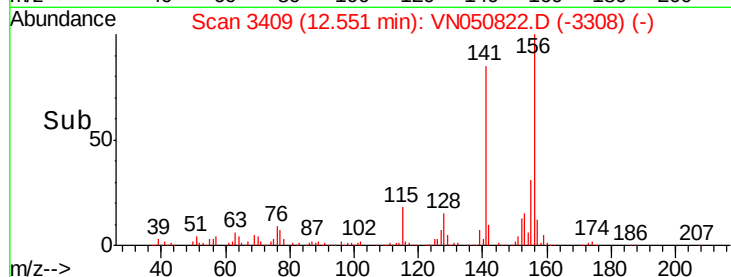
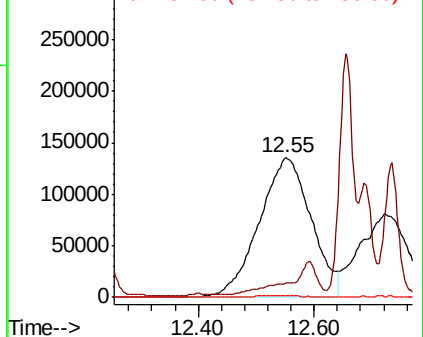
158 0.4 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.25 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050822.D

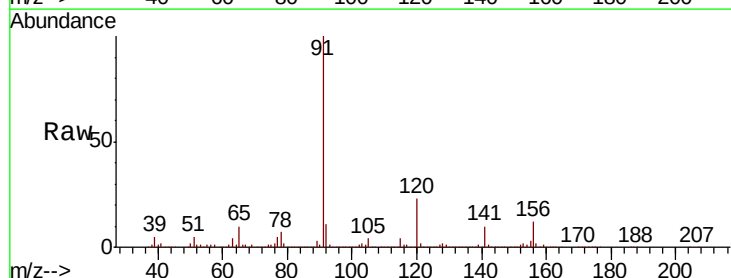
Acq: 22 Aug 2018 16:16

Tgt Ion: 91 Resp: 1085825

Ion Ratio Lower Upper

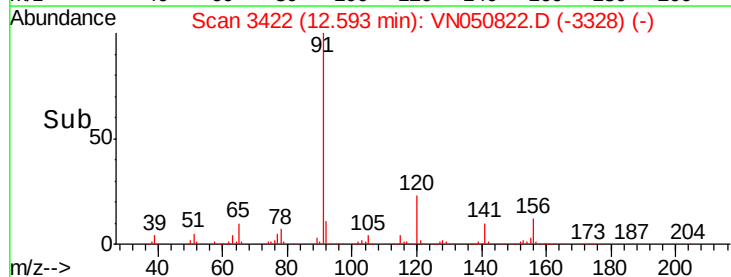
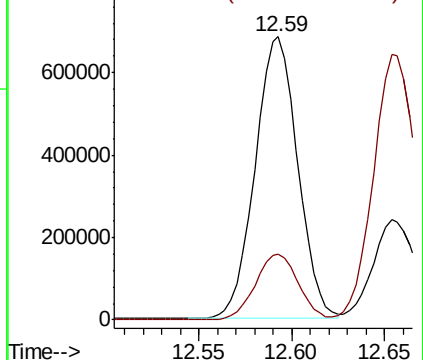
91 100

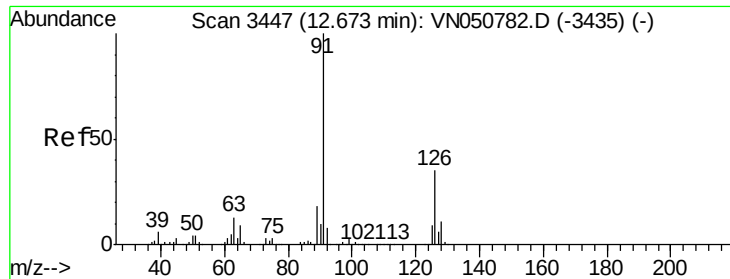
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.99 ug/l

RT: 12.65 min Scan# 3441

Delta R.T. -0.02 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

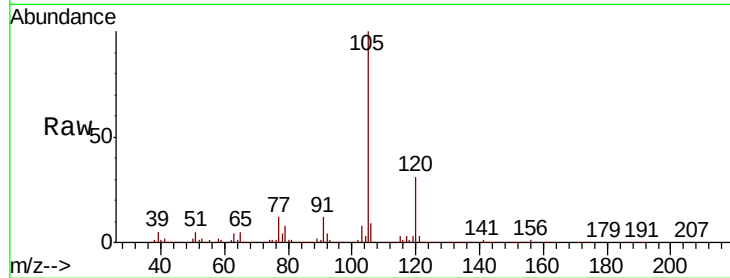
EP1-240-UST-SLUDGE

Tot Ion: 91 Resp: 364609

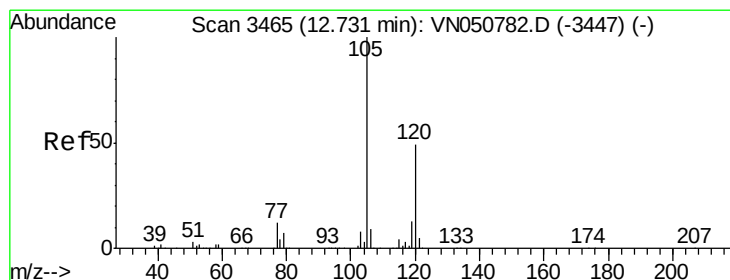
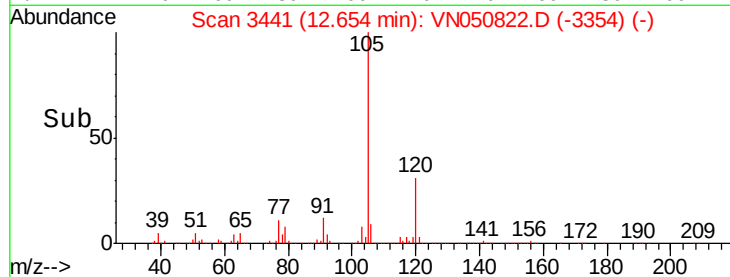
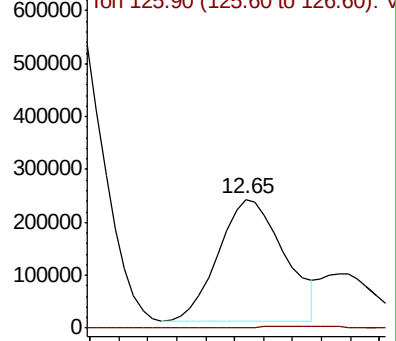
Ion Ratio Lower Upper

91 100

126 1.4 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050822.D

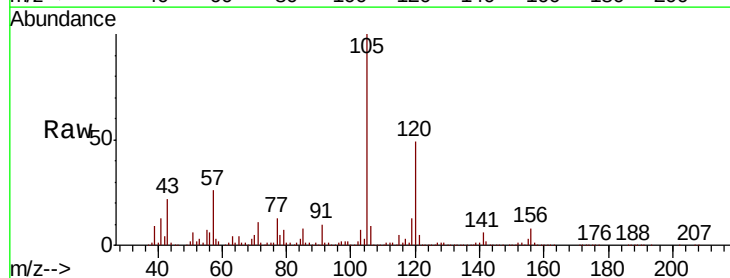
Acq: 22 Aug 2018 16:16

Tgt Ion:105 Resp: 1527443

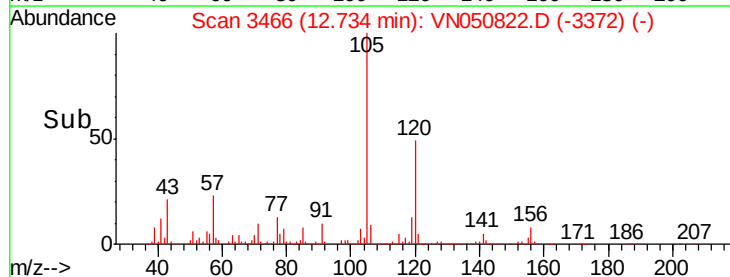
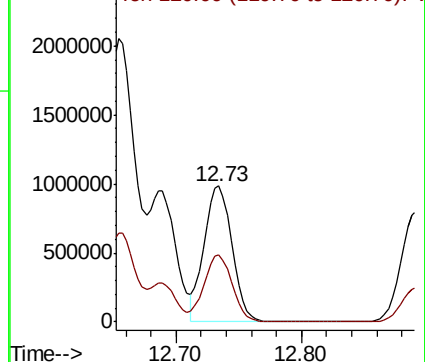
Ion Ratio Lower Upper

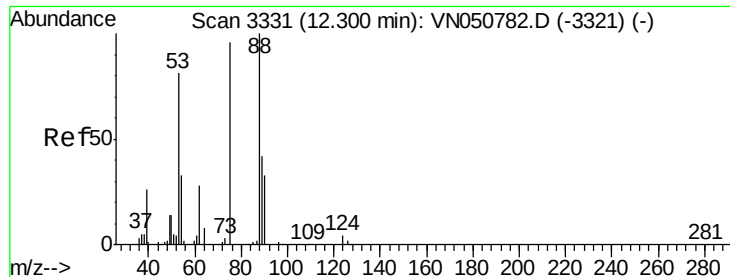
105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 96.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

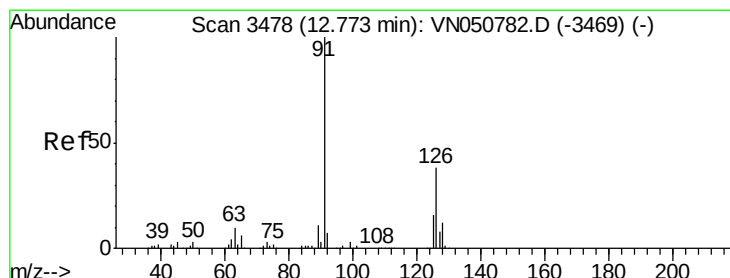
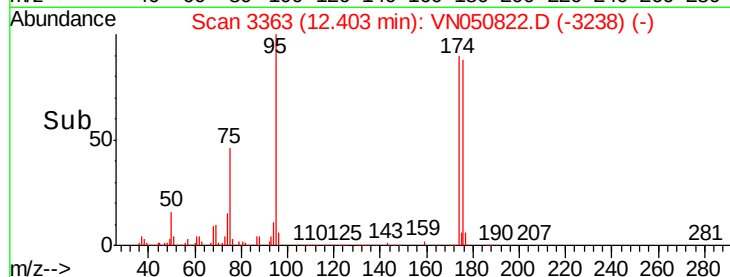
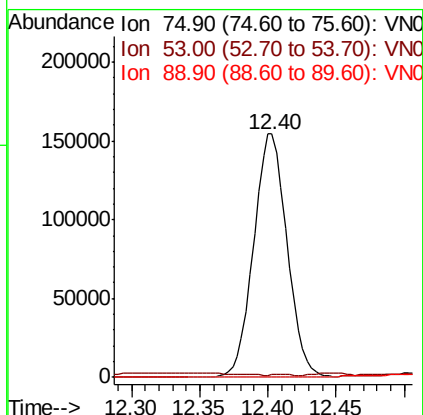
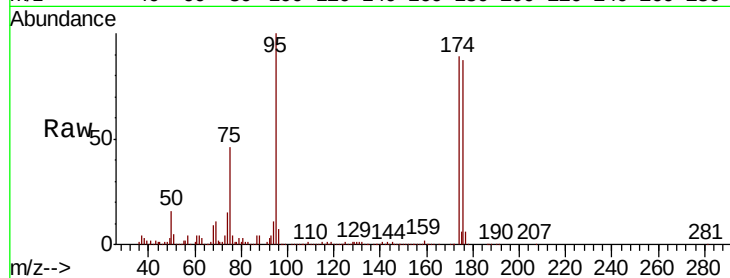
Tot Ion: 75 Resp: 263334

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

89 0.0 36.1 54.1#



#82

4-Chlorotoluene

Concen: 5.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN050822.D

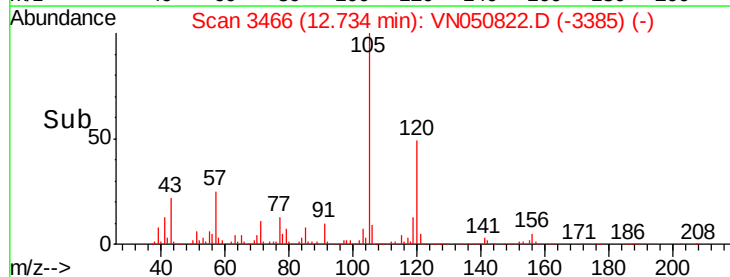
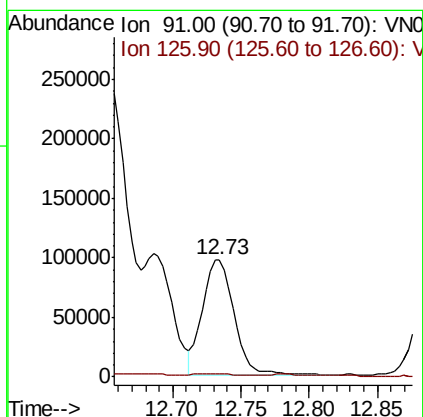
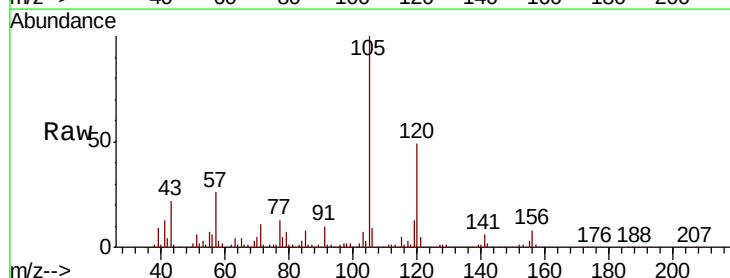
Acq: 22 Aug 2018 16:16

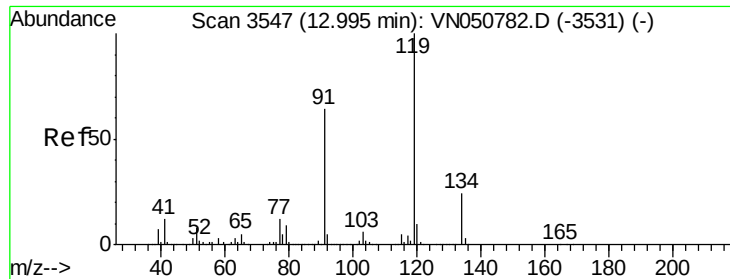
Tgt Ion: 91 Resp: 155507

Ion Ratio Lower Upper

91 100

126 0.9 17.5 52.5#

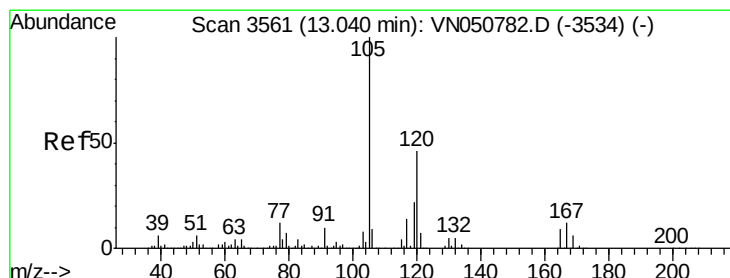
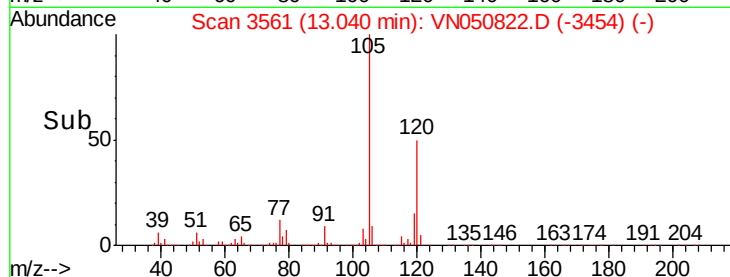
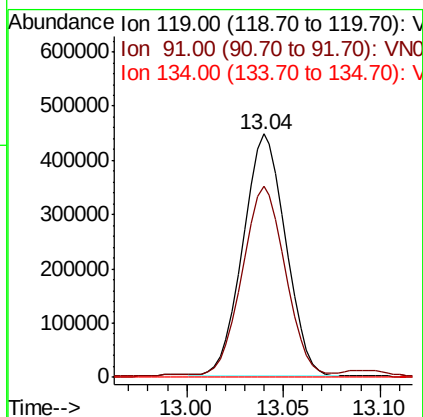
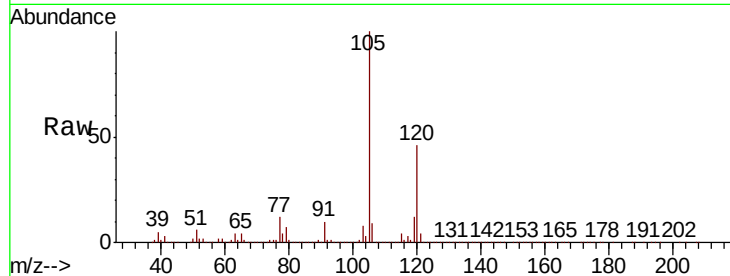




#83
 tert-Butylbenzene
 Concen: 22.41 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.04 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

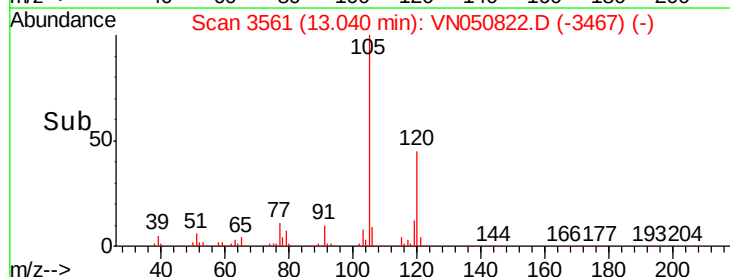
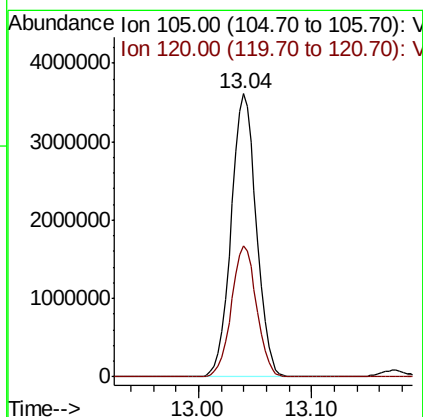
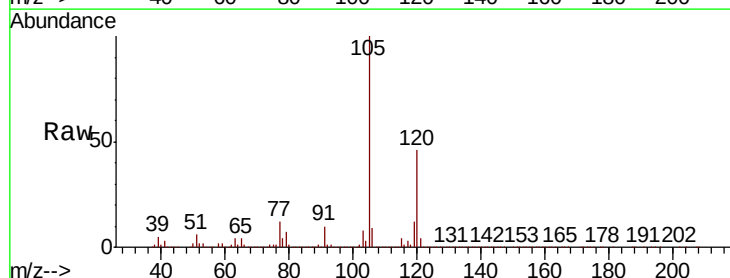
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

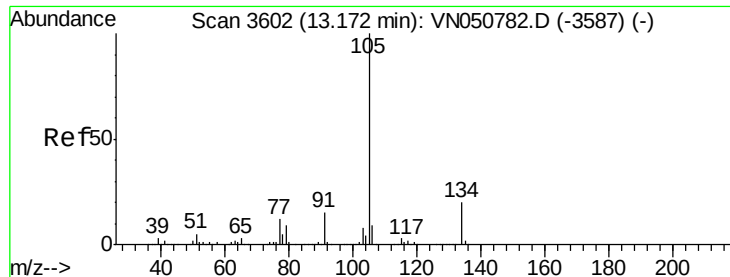
Tot Ion:119 Resp: 684026
 Ion Ratio Lower Upper
 119 100
 91 78.0 31.6 94.7
 134 0.0 13.4 40.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 157.12 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Tgt Ion:105 Resp: 5571383
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 139.27 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.13 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

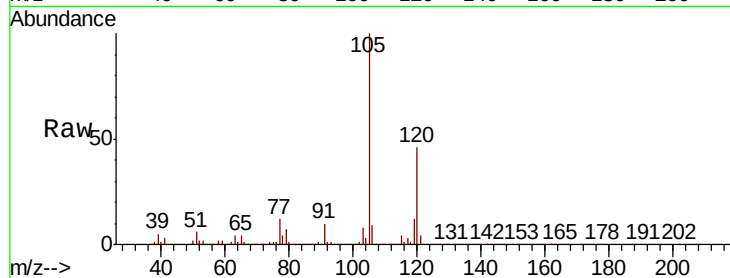
EP1-240-UST-SLUDGE

Tot Ion:105 Resp: 5571383

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.04

4000000

3000000

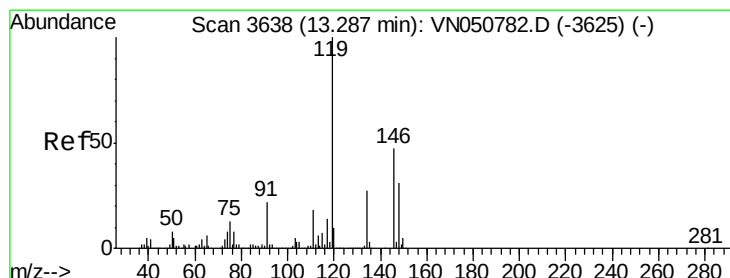
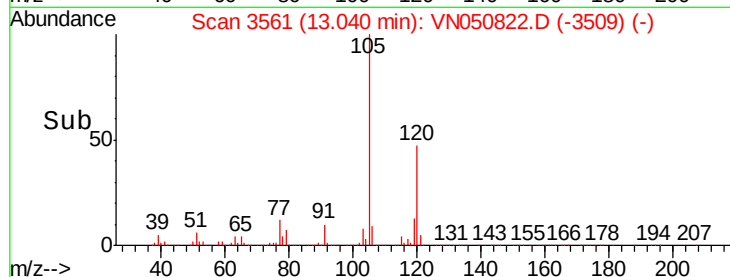
2000000

1000000

0

Time-->

13.00 13.10



#86

p-Isopropyltoluene

Concen: 3.54 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

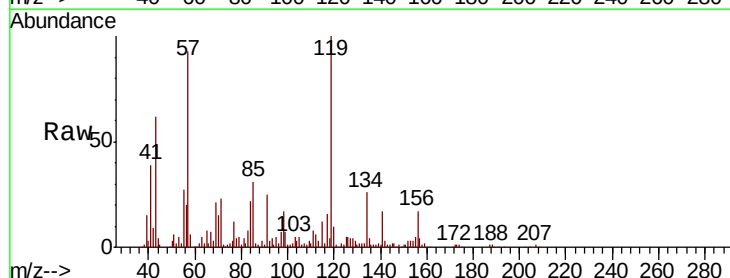
Tgt Ion:119 Resp: 120697

Ion Ratio Lower Upper

119 100

134 25.9 13.7 41.0

91 22.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

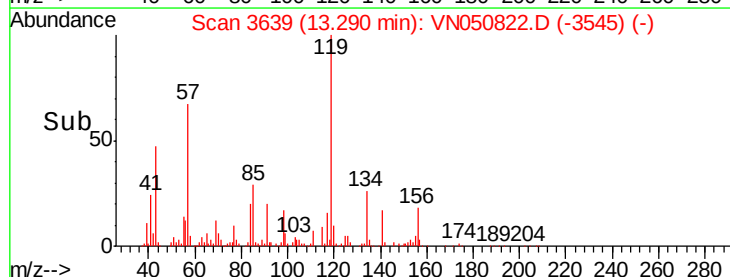
100000

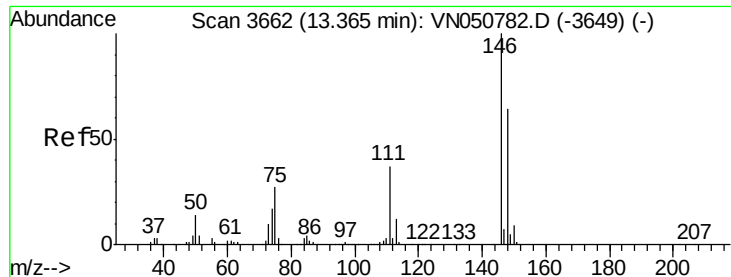
50000

0

Time-->

13.25 13.30 13.35

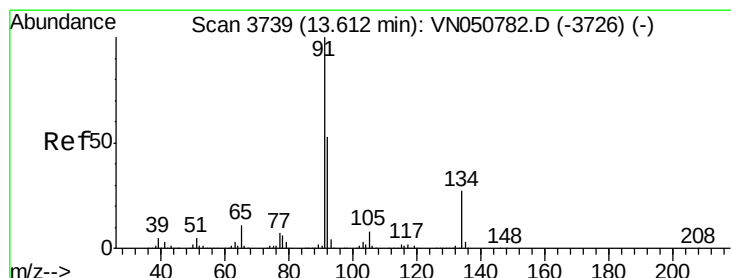
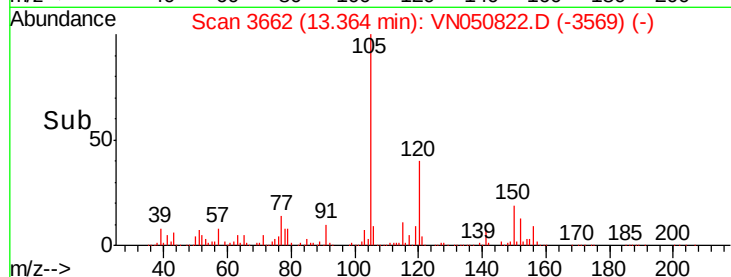
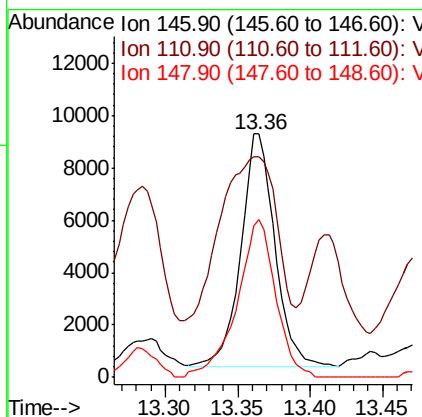
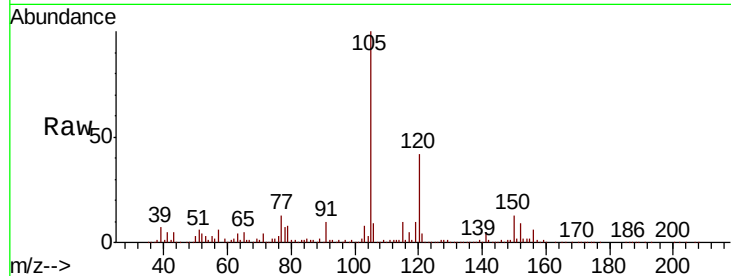




#88
 1,4-Dichlorobenzene
 Concen: 0.73 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

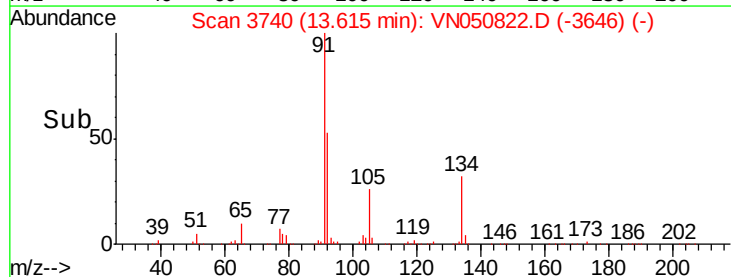
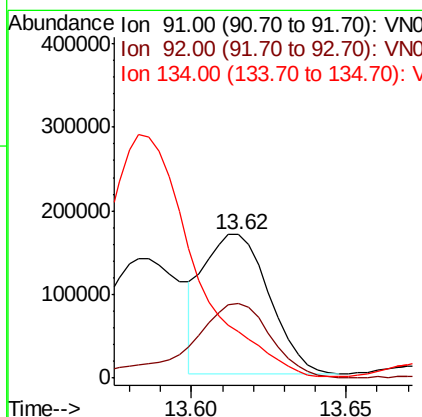
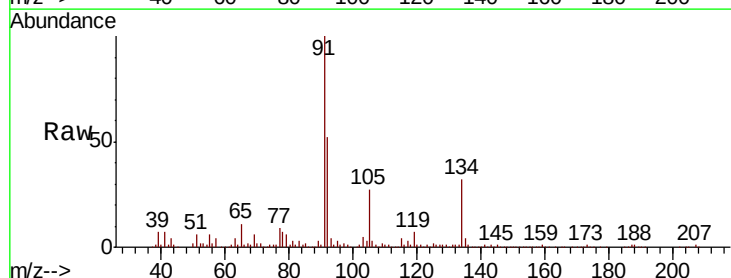
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

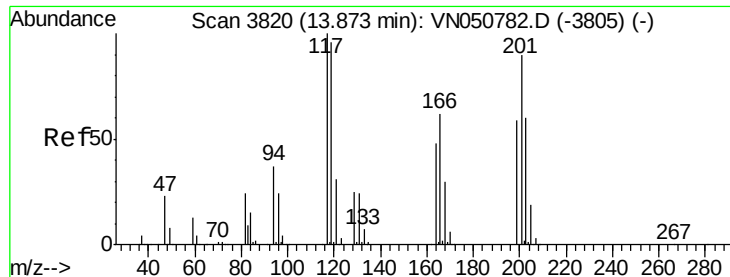
Tot Ion:146 Resp: 14437
 Ion Ratio Lower Upper
 146 100
 111 113.4 18.8 56.3#
 148 76.9 32.2 96.6



#89
 n-Butylbenzene
 Concen: 9.04 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Tgt Ion: 91 Resp: 246456
 Ion Ratio Lower Upper
 91 100
 92 65.8 26.1 78.2
 134 0.0 13.2 39.6#





#90

Hexachloroethane

Concen: 17.92 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

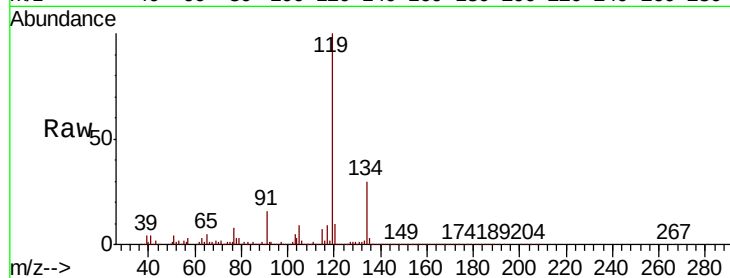
EP1-240-UST-SLUDGE

Tot Ion:117 Resp: 115631

Ion Ratio Lower Upper

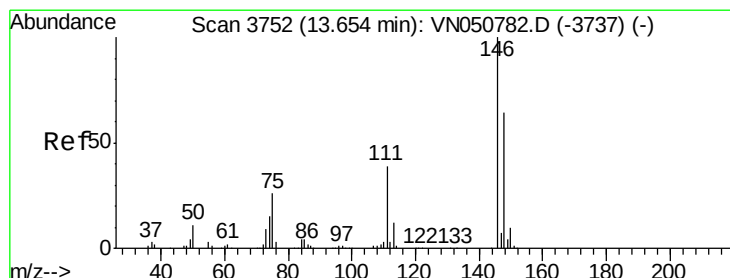
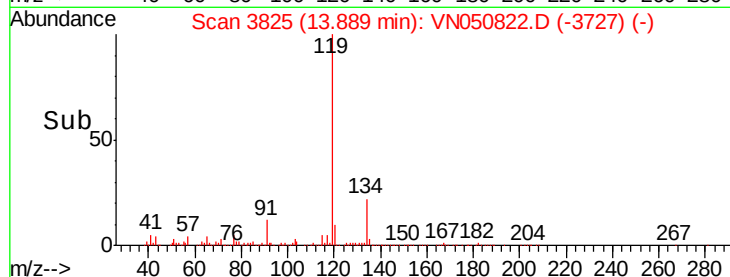
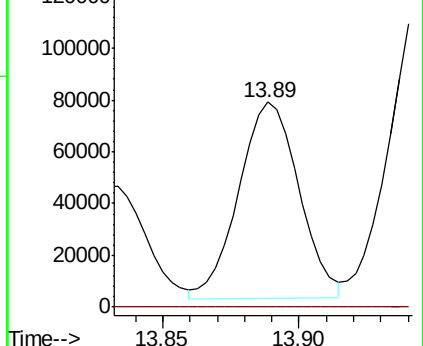
117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 11.16 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

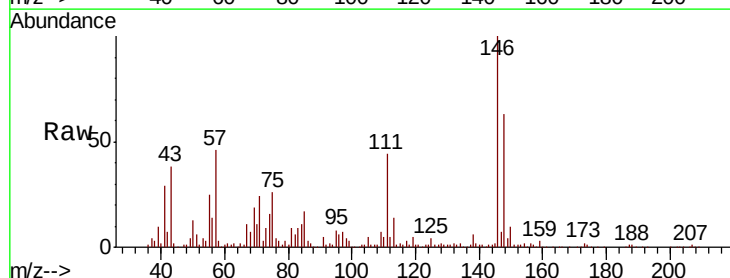
Tgt Ion:146 Resp: 216855

Ion Ratio Lower Upper

146 100

111 47.1 19.8 59.3

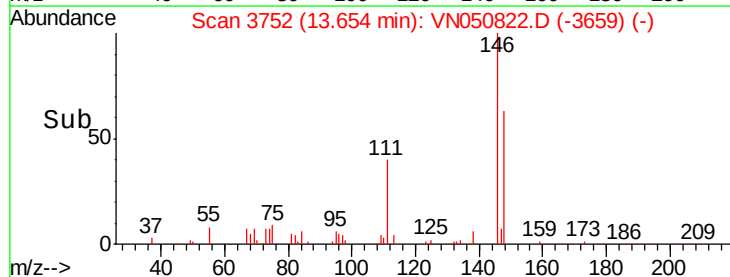
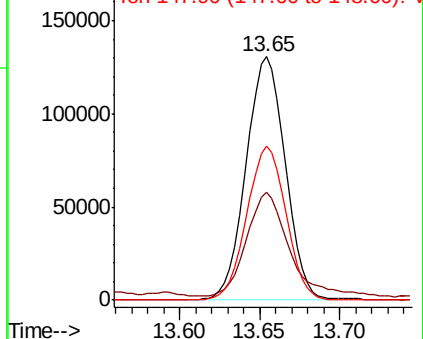
148 63.3 32.3 96.8

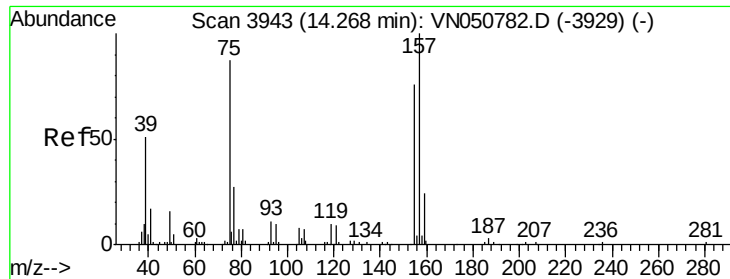


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.85 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. -0.02 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

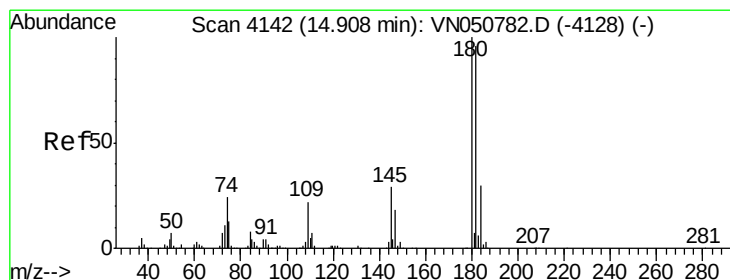
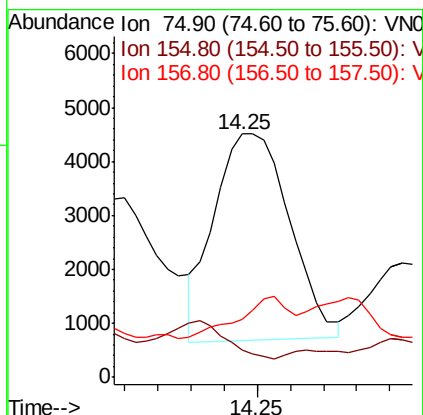
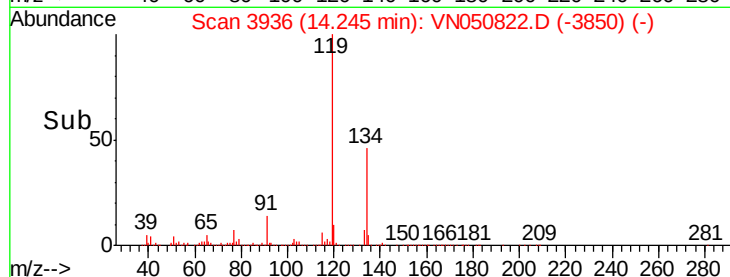
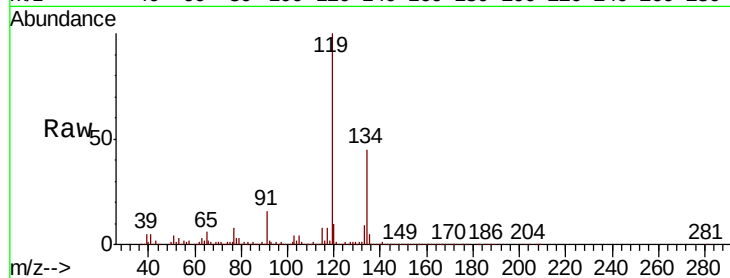
Tot Ion: 75 Resp: 6044

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

157 13.4 60.7 182.0#



#93

1,2,4-Trichlorobenzene

Concen: 4.22 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

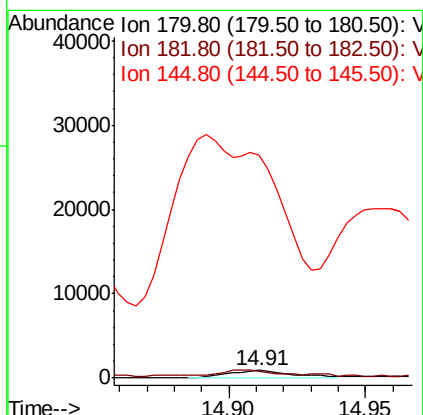
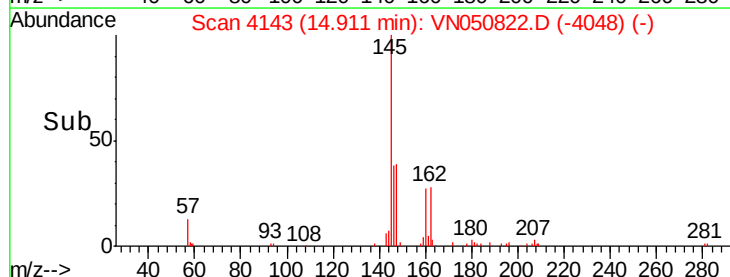
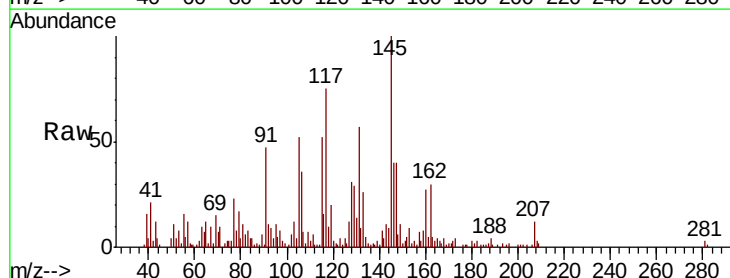
Tgt Ion: 180 Resp: 1523

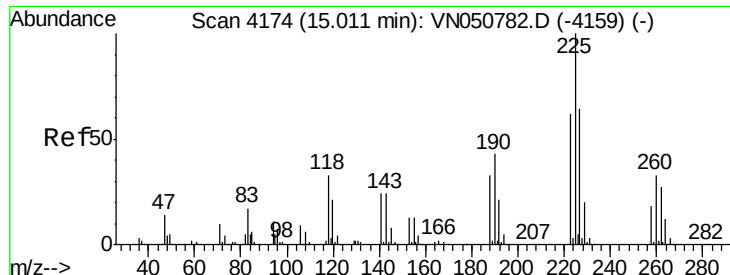
Ion Ratio Lower Upper

180 100

182 77.5 48.2 144.6

145 1925.1 14.1 42.2#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

EP1-240-UST-SLUDGE

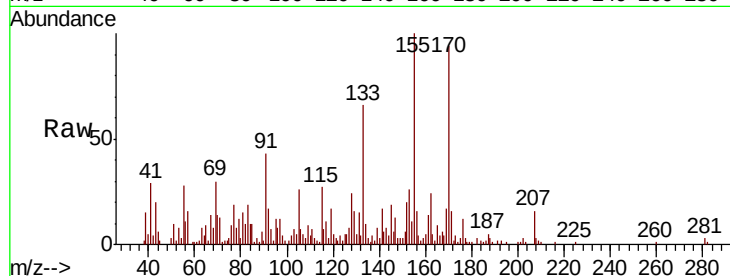
Tot Ion:225 Resp: 31

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 0.0 32.0 96.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01

15.01

15.01

15.01

15.01

15.01

15.01

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15.01

15.01

15.01

15.01

15.01

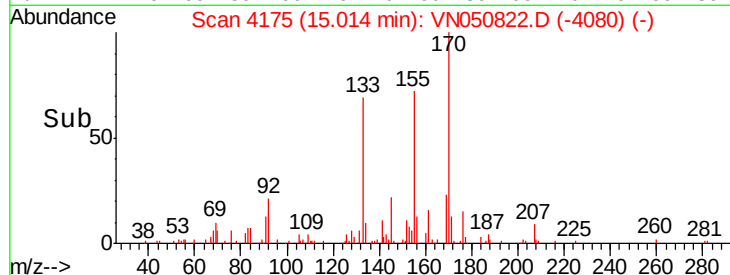
15.01

15.01

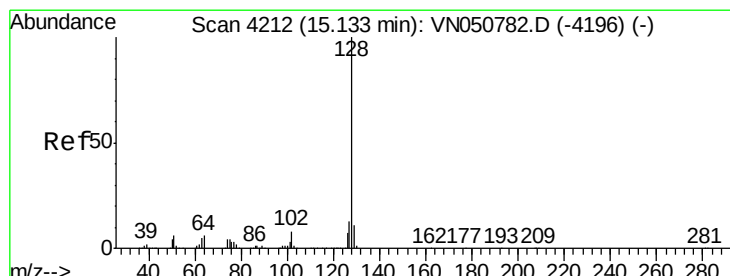
15.01

15.01

15.01



Time-->



#95

Naphthalene

Concen: 145.56 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050822.D

Acq: 22 Aug 2018 16:16

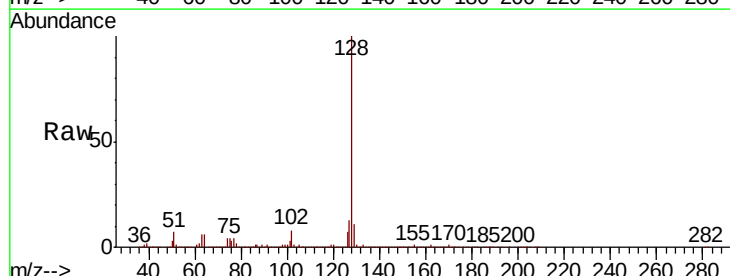
Tgt Ion:128 Resp: 3312320

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 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

15.13

15.13

15.13

15.13

15.13

15.13

15.13

15.13

15.13

15.13

15.13

15.13

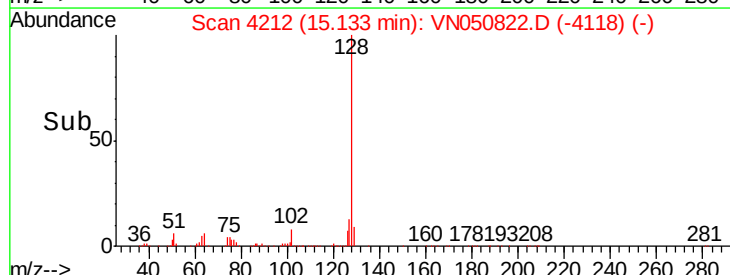
15.13

15.13

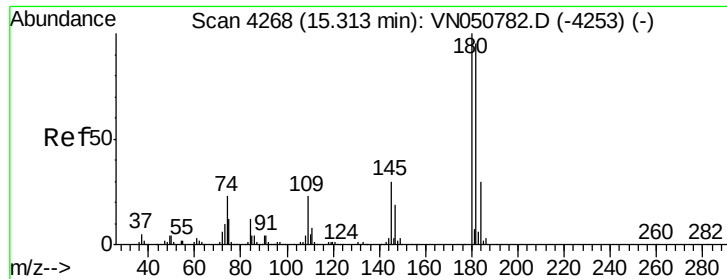
15.13

15.13

15.13



Time-->



#96
 1,2,3-Trichlorobenzene
 Concen: 3.36 ug/l
 RT: 15.34 min Scan# 4275
 Delta R.T. 0.02 min
 Lab File: VN050822.D
 Acq: 22 Aug 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

Tot Ion	Ratio	Lower	Upper
180	100		
182	136.3	48.0	144.2
145	0.0	15.2	45.6

