

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051346.D
 Acq On : 20 Sep 2018 18:06
 Operator : MD\SY
 Sample : J5018-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-TANK-9-19-18

Quant Time: Sep 21 06:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	850565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1210468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	453747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455493	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.59	113	446266	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	10.09	98	1719109	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.40	95	485973	39.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.44%	

Target Compounds

						Qvalue
3) Chloromethane	2.07	50	4236	0.42	ug/l #	70
4) Vinyl Chloride	2.19	62	36429	3.64	ug/l #	1
5) Bromomethane	2.57	94	2246	0.32	ug/l	86
10) Methyl Iodide	3.95	142	2621	0.20	ug/l #	66
11) Tert butyl alcohol	4.79	59	228	0.47	ug/l #	72
13) Acrolein	3.62	56	242	0.43	ug/l #	83
15) Acrylonitrile	5.00	53	649	0.26	ug/l #	44
16) Acetone	3.82	43	21845	11.54	ug/l	95
17) Carbon Disulfide	4.05	76	46872	1.96	ug/l	98
18) Methyl Acetate	4.34	43	2083	0.32	ug/l	96
20) Methylene Chloride	4.55	84	10276	1.08	ug/l #	82
21) trans-1,2-Dichloroethene	5.05	96	3209	0.38	ug/l #	80
25) 2-Butanone	6.85	43	15772	5.99	ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	75761	8.14	ug/l	88
29) Tetrahydrofuran	7.23	42	1596	0.96	ug/l	87
30) Chloroform	7.37	83	60729	3.83	ug/l	94
31) Cyclohexane	7.67	56	12075	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51294	4.14	ug/l #	47
37) Ethyl Acetate	6.85	43	15772	2.57	ug/l #	1
38) Carbon Tetrachloride	7.67	117	70419	5.26	ug/l #	16
40) Benzene	8.04	78	62195	1.67	ug/l	99
41) Methacrylonitrile	7.22	41	3198	1.00	ug/l #	18
43) Isopropyl Acetate	8.24	43	45671	4.25	ug/l #	58
44) Trichloroethene	8.84	130	93905	8.77	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2033	0.35	ug/l	88
52) Toluene	10.16	92	7915	0.34	ug/l	94
59) 2-Hexanone	10.76	43	1613	0.41	ug/l	88
60) Dibromochloromethane	10.63	129	264968	26.37	ug/l #	11
64) Tetrachloroethene	10.63	164	304701	33.22	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	222265	33.92	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	222265	117.43	ug/l #	14
82) 4-Chlorotoluene	12.77	91	4616	0.21	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	4128	0.27	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	4128	0.28	ug/l	97

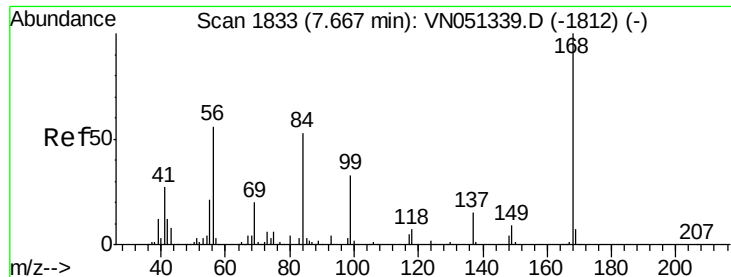
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	6361	0.29	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3620	0.24	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	6426	0.94	ug/l	94
94) Hexachlorobutadiene	15.01	225	3763	0.65	ug/l	89
95) Naphthalene	15.13	128	11740	0.97	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	6533	0.96	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

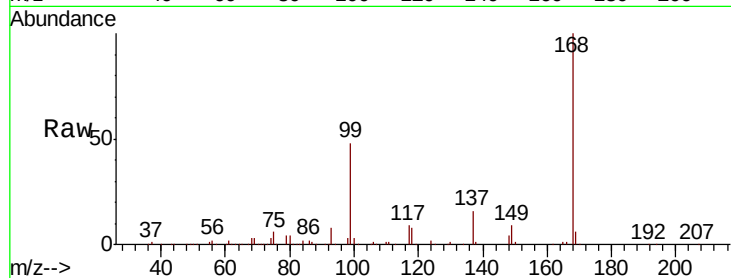
WASTE-TANK-9-19-18

Tot Ion:168 Resp: 850565

Ion Ratio Lower Upper

168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

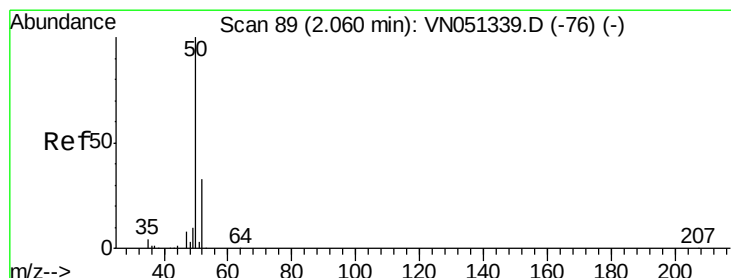
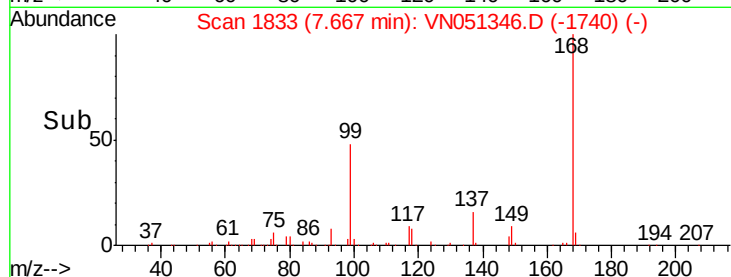
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.07 min Scan# 91

Delta R.T. 0.01 min

Lab File: VN051346.D

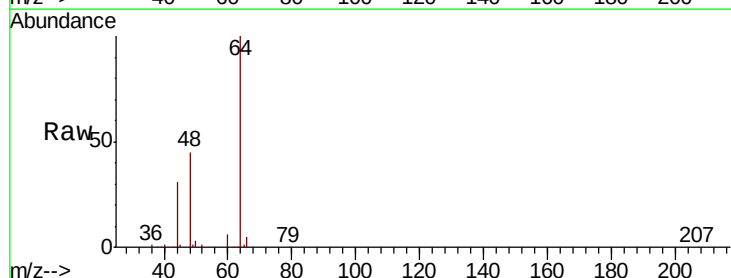
Acq: 20 Sep 2018 18:06

Tgt Ion: 50 Resp: 4236

Ion Ratio Lower Upper

50 100

52 16.6 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

3000

2500

2000

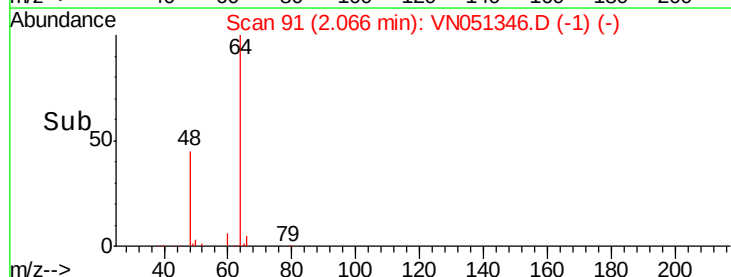
1500

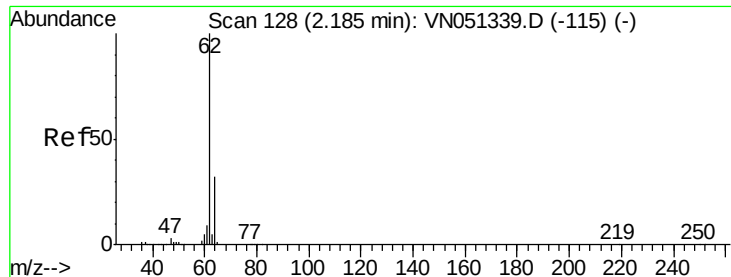
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 3.64 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

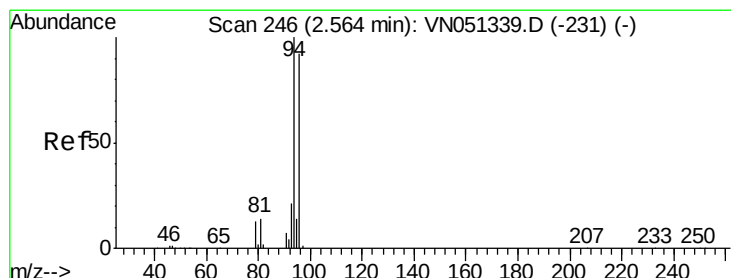
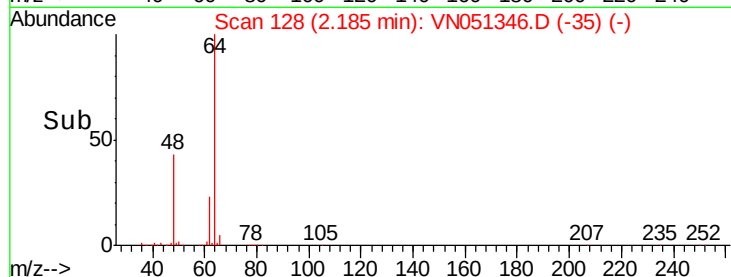
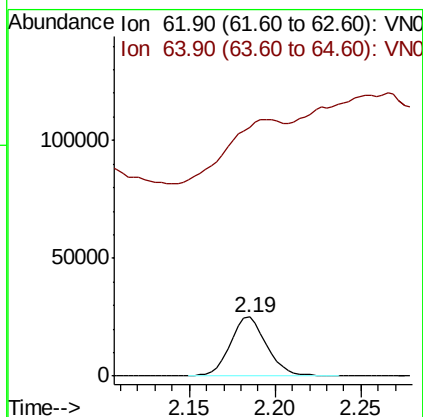
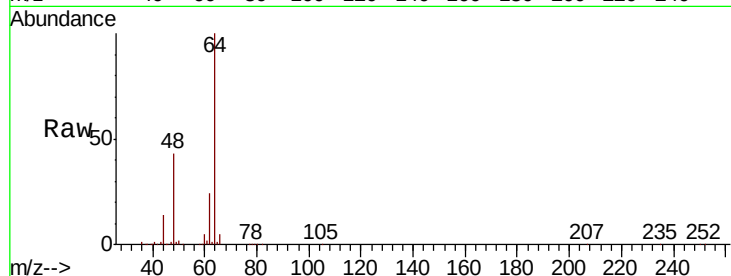
WASTE-TANK-9-19-18

Tot Ion: 62 Resp: 36429

Ion Ratio Lower Upper

62 100

64 89.0 25.9 38.9#



#5

Bromomethane

Concen: 0.32 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051346.D

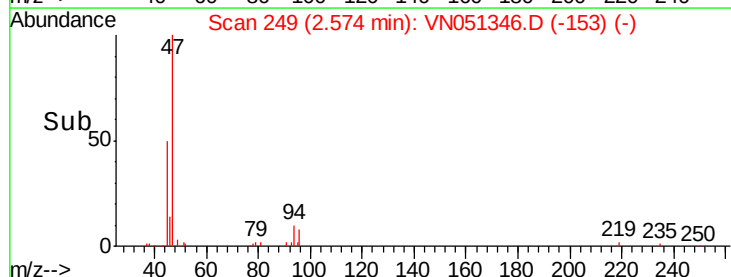
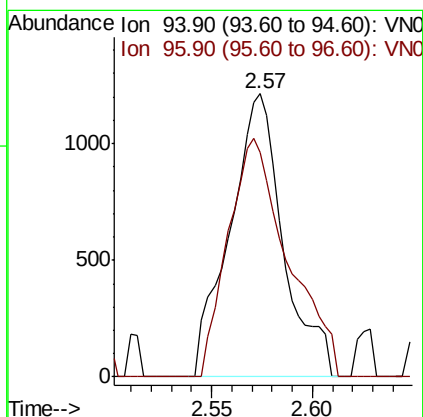
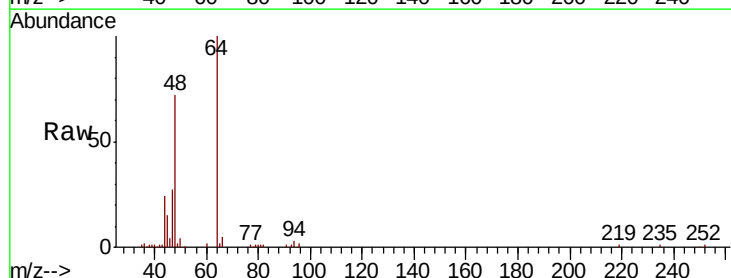
Acq: 20 Sep 2018 18:06

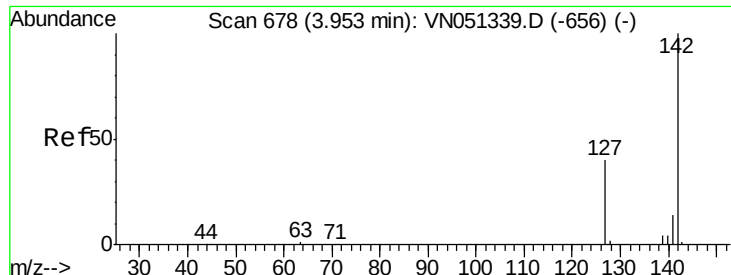
Tgt Ion: 94 Resp: 2246

Ion Ratio Lower Upper

94 100

96 79.3 73.8 110.8

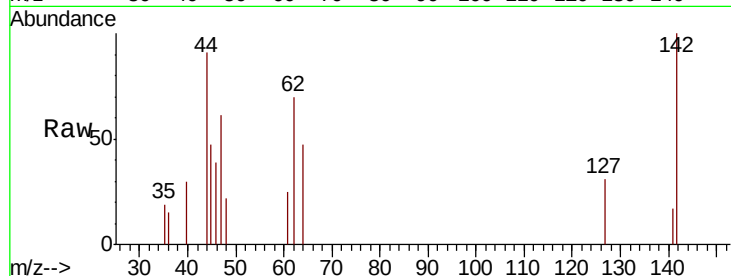




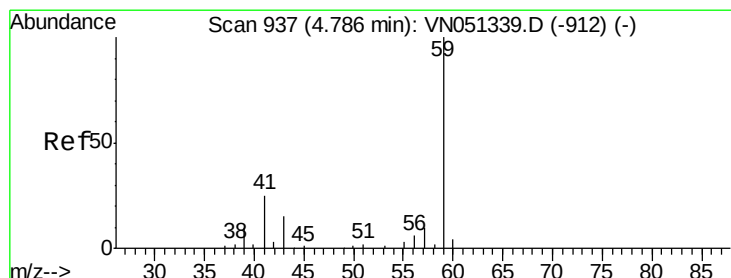
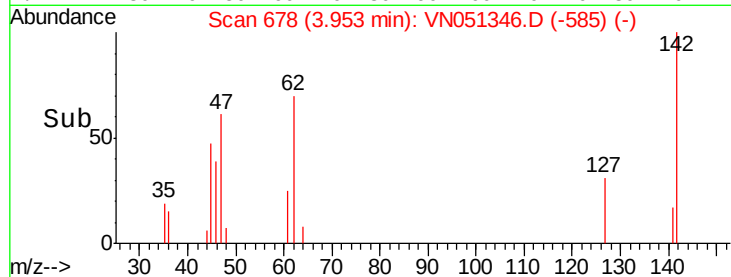
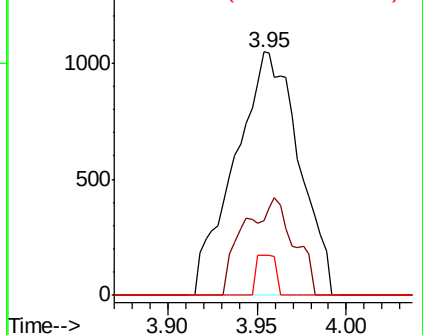
#10
Methvl Iodide
Concen: 0.20 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

Tot Ion:142 Resp: 2621
Ion Ratio Lower Upper
142 100
127 16.7 31.9 47.9#
141 5.0 11.4 17.0#

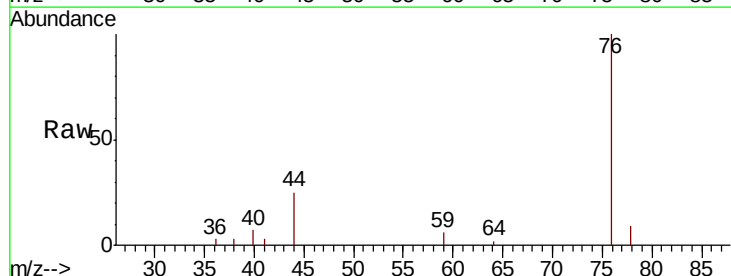


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

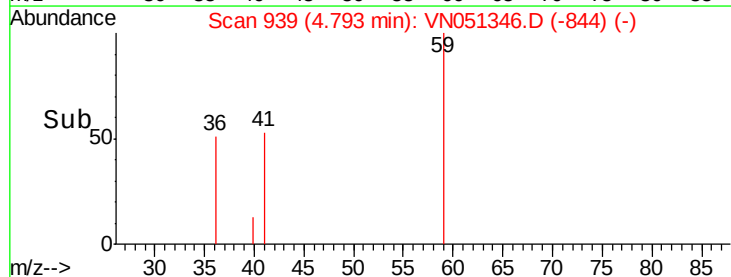
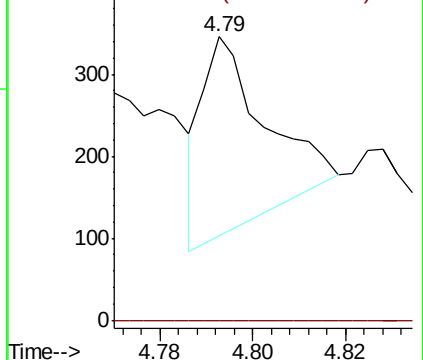


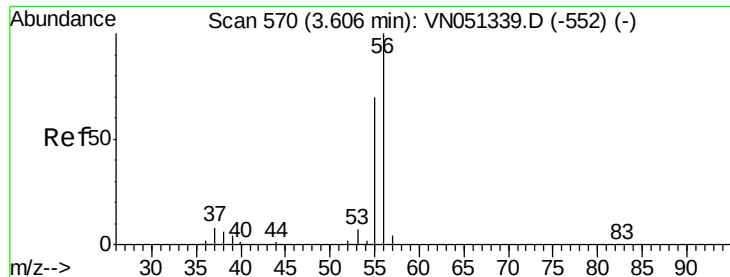
#11
Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.43 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

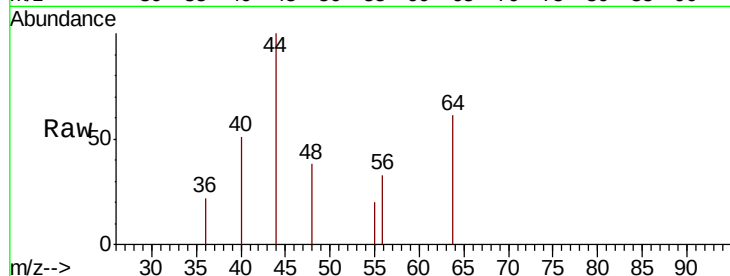
WASTE-TANK-9-19-18

Tot Ion: 56 Resp: 242

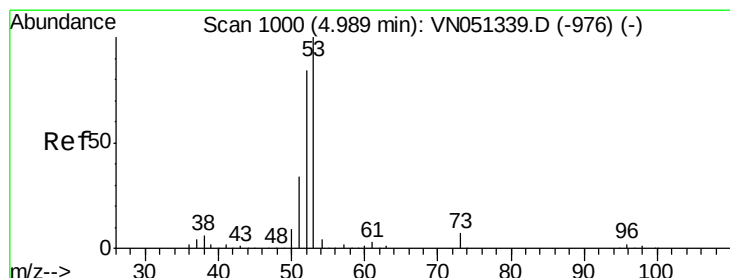
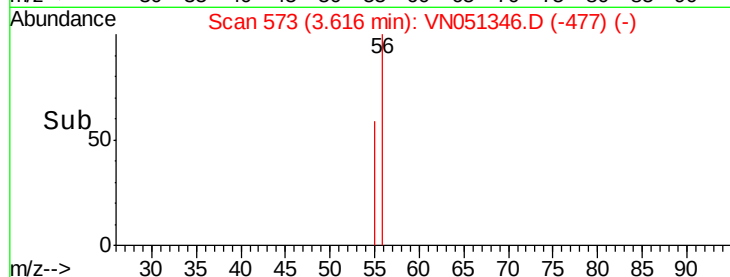
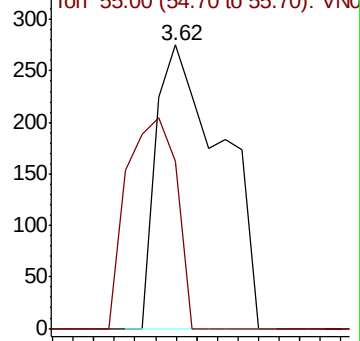
Ion Ratio Lower Upper

56 100

55 56.2 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

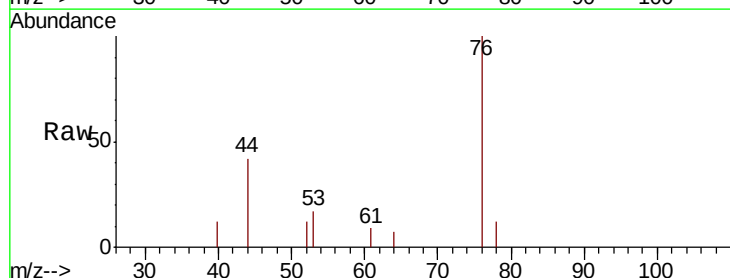
Tgt Ion: 53 Resp: 649

Ion Ratio Lower Upper

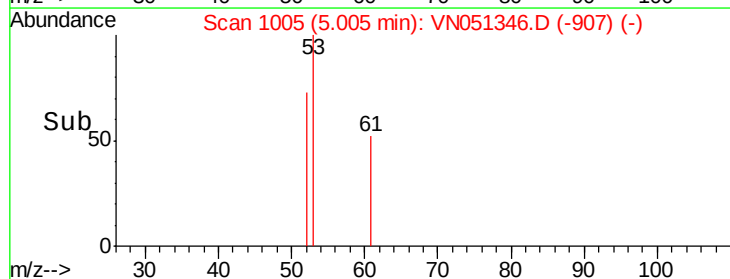
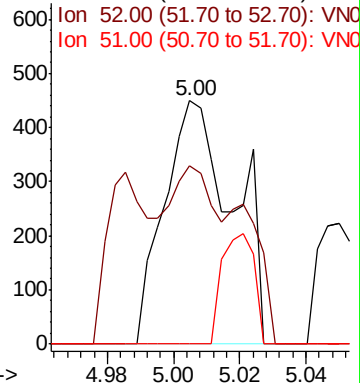
53 100

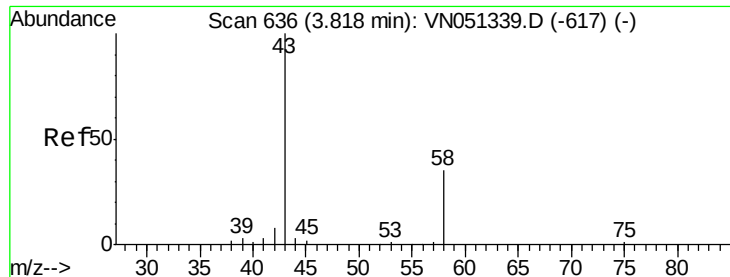
52 19.1 65.4 98.0#

51 21.4 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VN0





#16

Acetone

Concen: 11.54 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

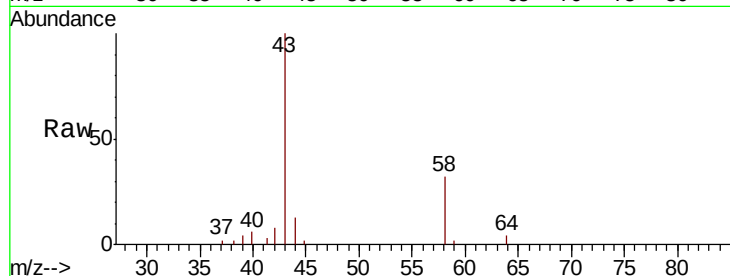
WASTE-TANK-9-19-18

Tot Ion: 43 Resp: 21845

Ion Ratio Lower Upper

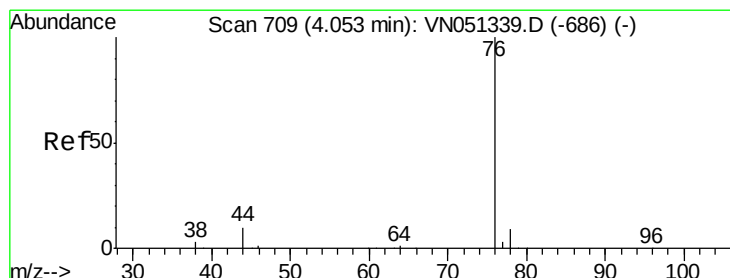
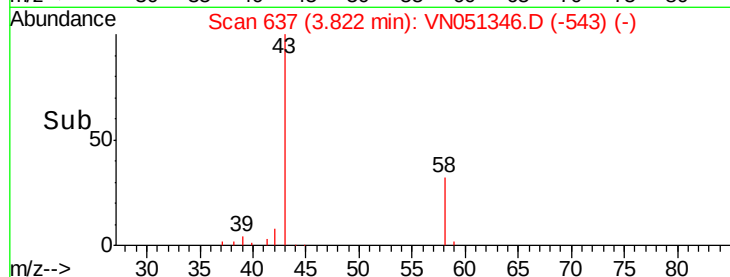
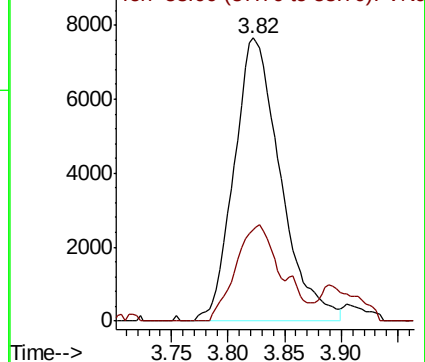
43 100

58 32.2 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 1.96 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051346.D

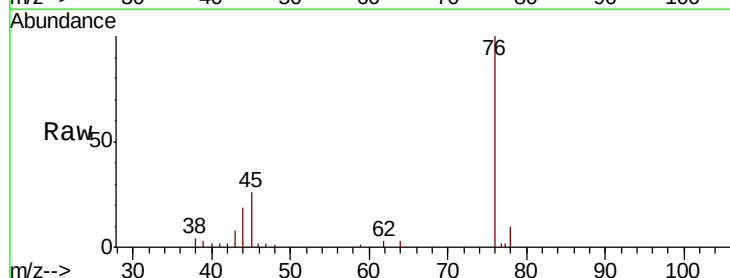
Acq: 20 Sep 2018 18:06

Tgt Ion: 76 Resp: 46872

Ion Ratio Lower Upper

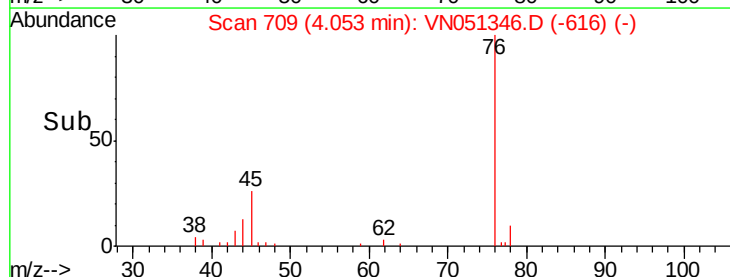
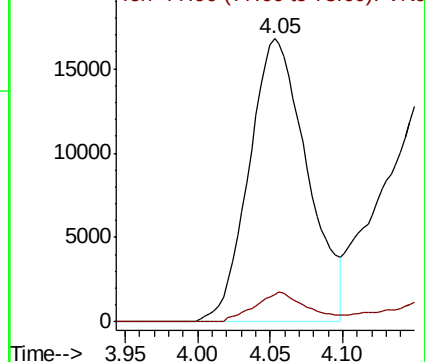
76 100

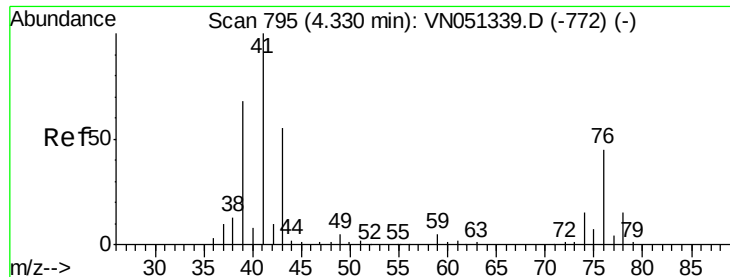
78 9.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

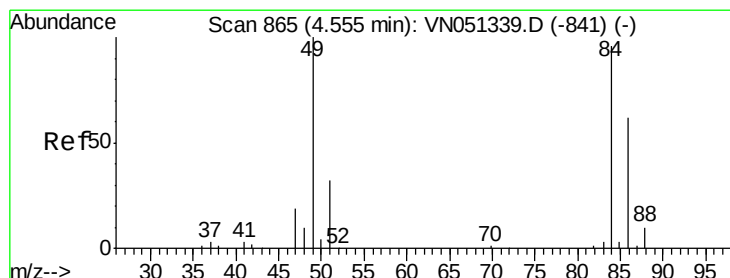
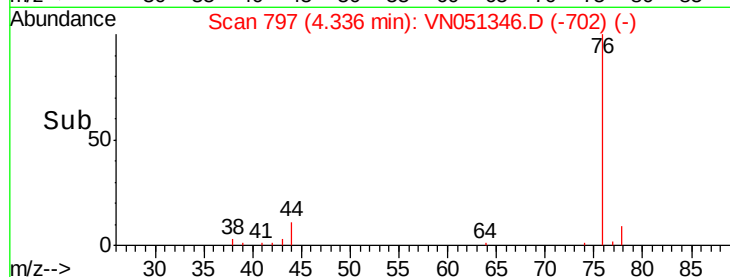
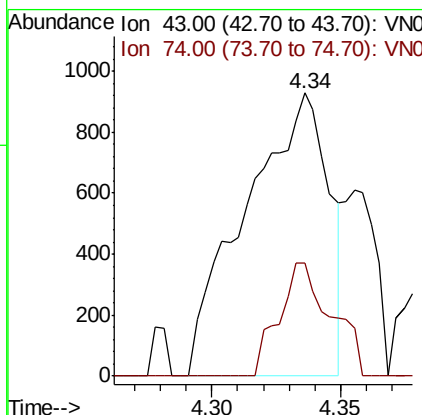
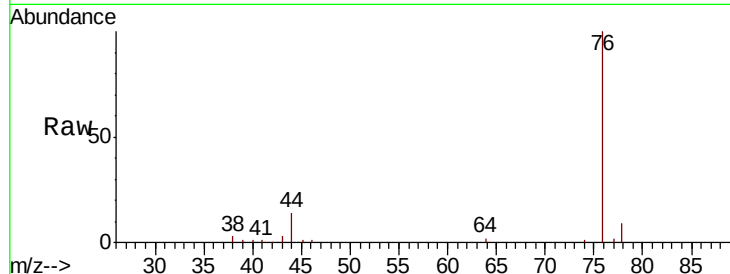




#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

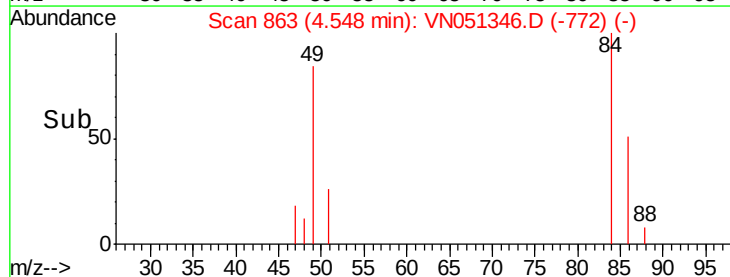
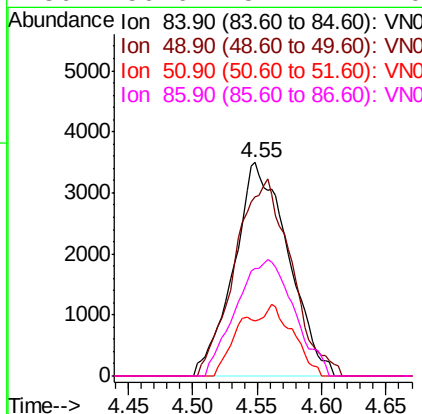
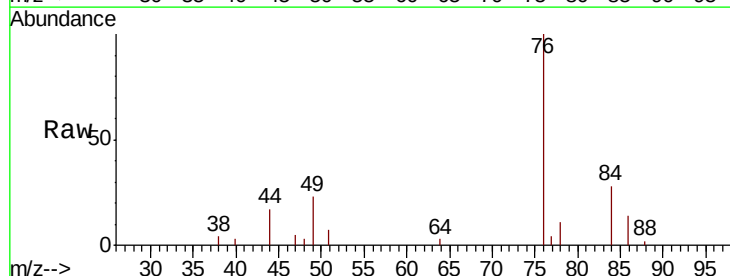
Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

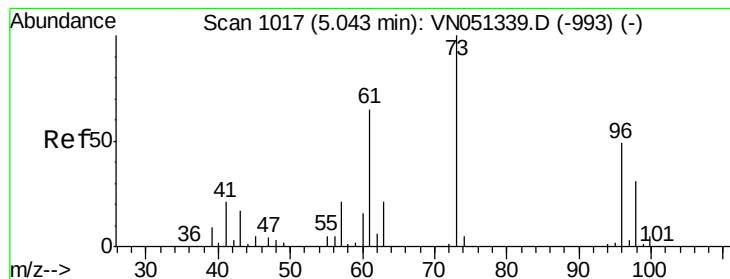
Tot Ion: 43 Resp: 2083
Ion Ratio Lower Upper
43 100
74 25.1 21.7 32.5



#20
Methylene Chloride
Concen: 1.08 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion: 84 Resp: 10276
Ion Ratio Lower Upper
84 100
49 83.8 83.2 124.8
51 25.7 26.4 39.6#
86 50.6 51.4 77.0#





#21

trans-1,2-Dichloroethene

Concen: 0.38 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

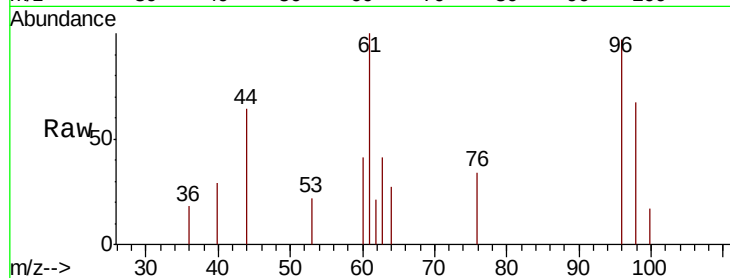
Tot Ion: 96 Resp: 3209

Ion Ratio Lower Upper

96 100

61 102.7 106.2 159.4#

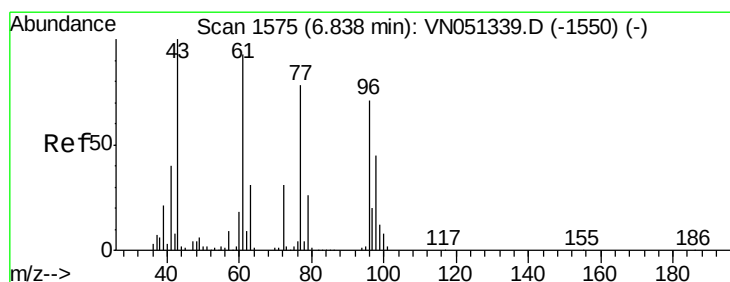
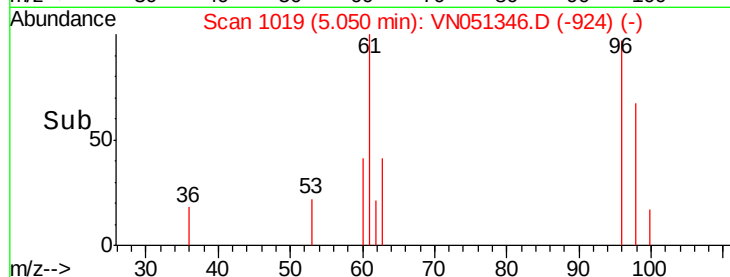
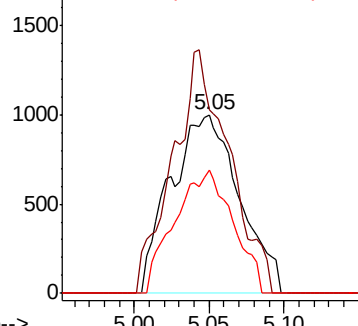
98 69.3 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN051339.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN051339.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-993) (-)



#25

2-Butanone

Concen: 5.99 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051346.D

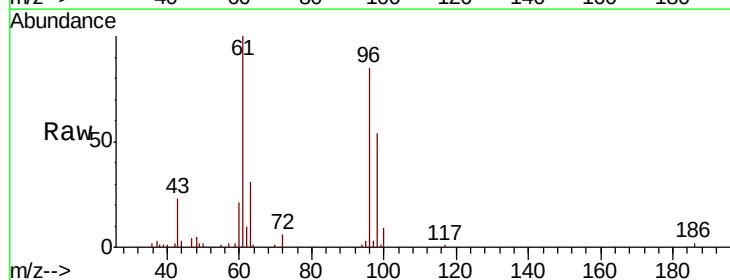
Acq: 20 Sep 2018 18:06

Tgt Ion: 43 Resp: 15772

Ion Ratio Lower Upper

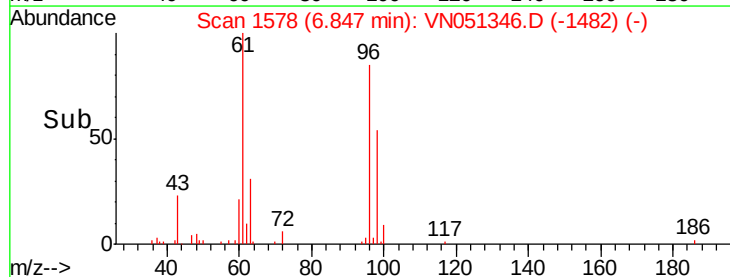
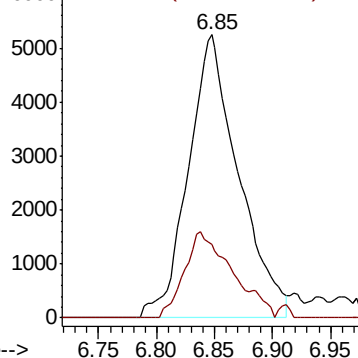
43 100

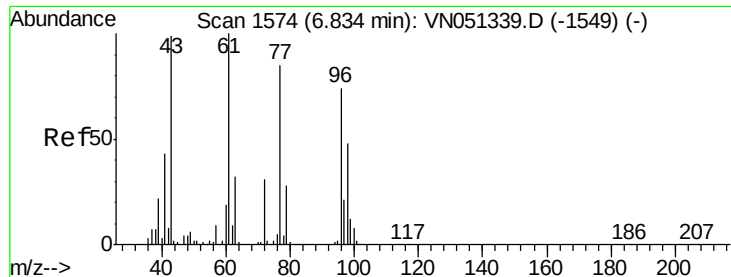
72 25.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN051339.D (-1550) (-)





#27

cis-1,2-Dichloroethene

Concen: 8.14 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

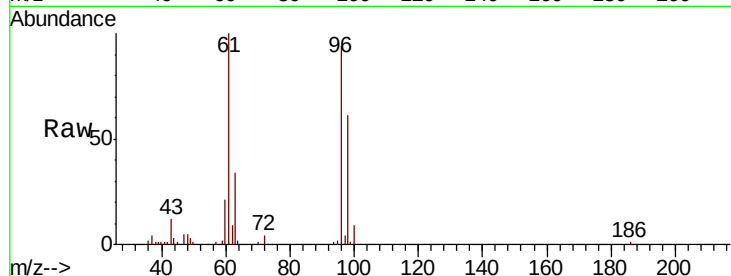
Tot Ion: 96 Resp: 75761

Ion Ratio Lower Upper

96 100

61 115.4 0.0 271.2

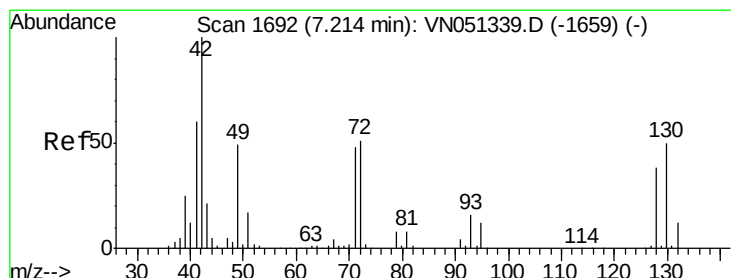
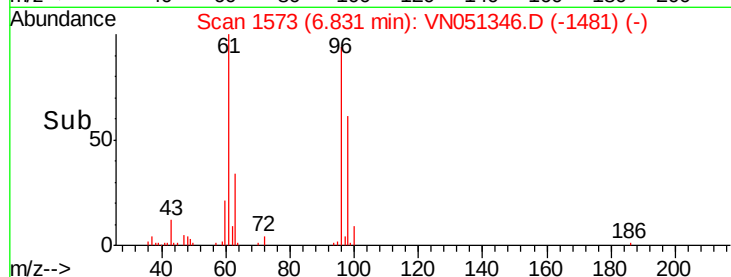
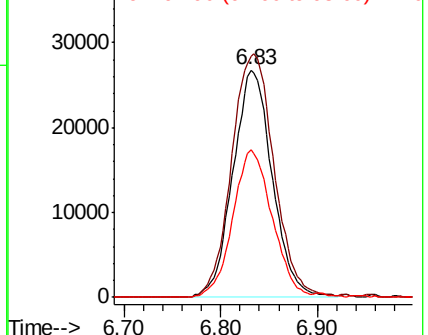
98 64.9 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN051339.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051339.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-1549) (-)



#29

Tetrahydrofuran

Concen: 0.96 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

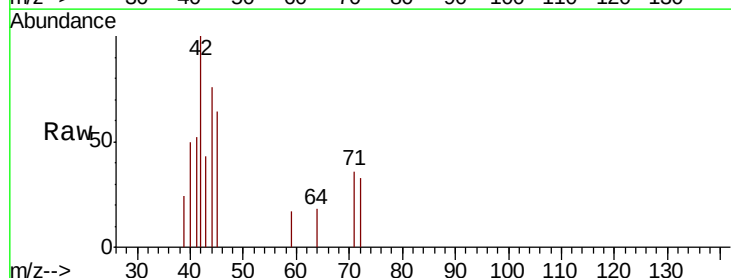
Tgt Ion: 42 Resp: 1596

Ion Ratio Lower Upper

42 100

72 57.2 39.0 58.4

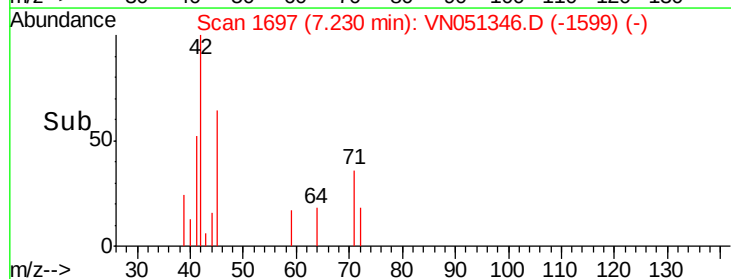
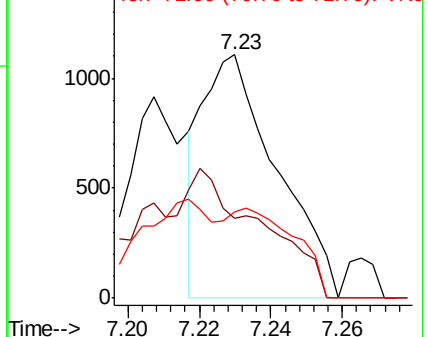
71 37.0 36.5 54.7

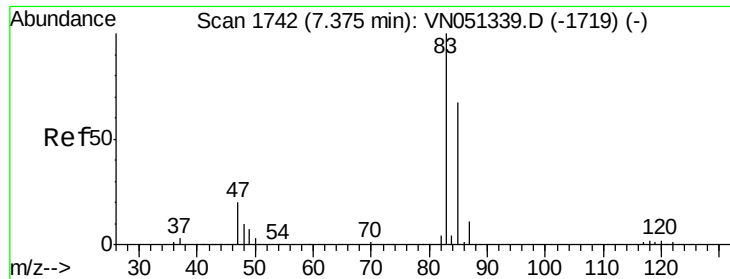


Abundance Ion 42.00 (41.70 to 42.70): VN051339.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN051339.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN051339.D (-1659) (-)

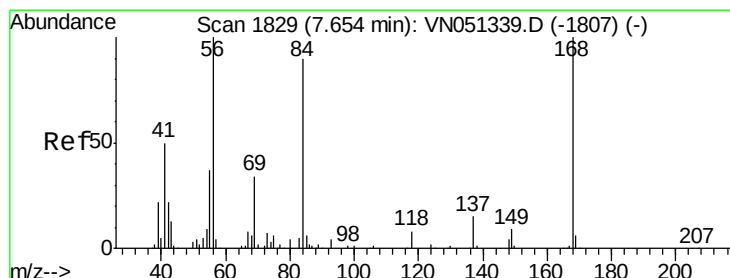
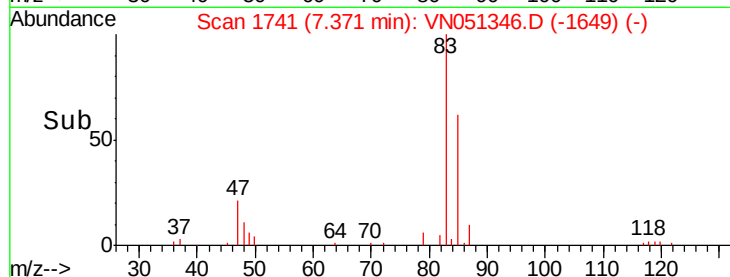
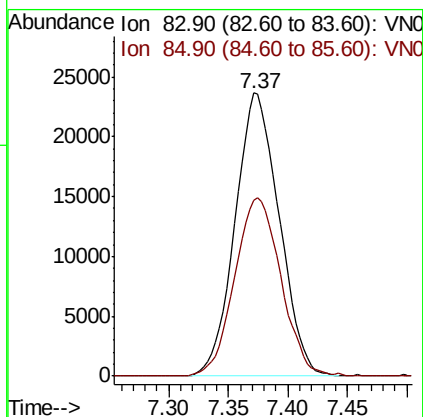
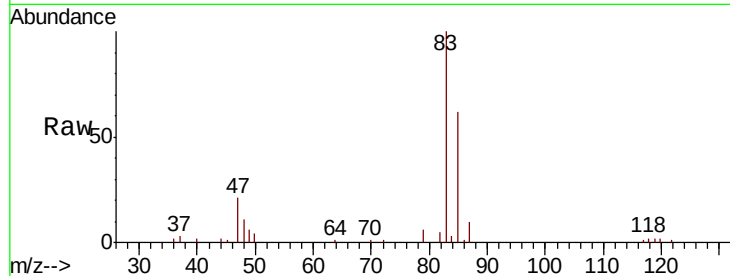




#30
Chloroform
Concen: 3.83 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

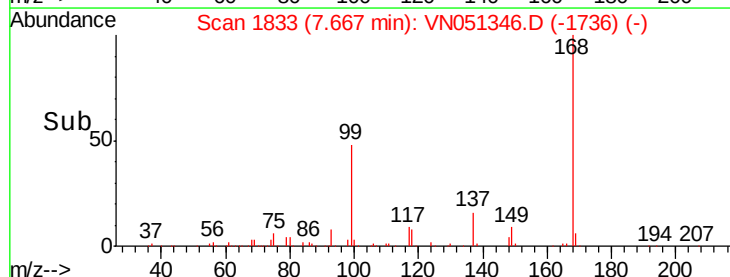
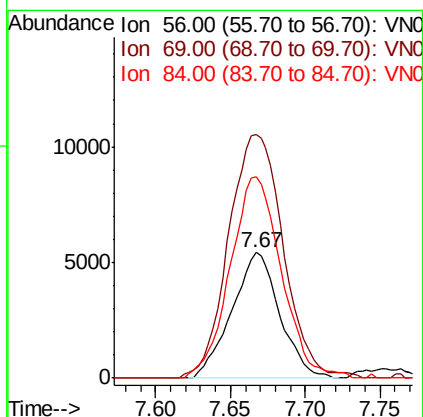
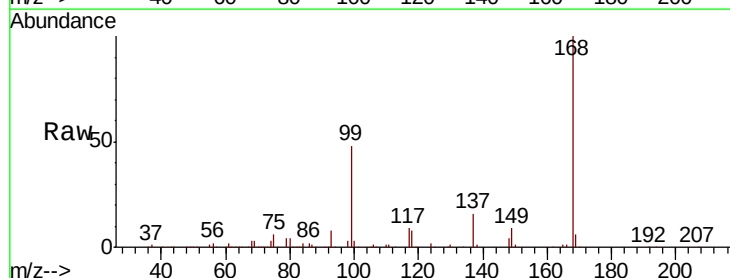
Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

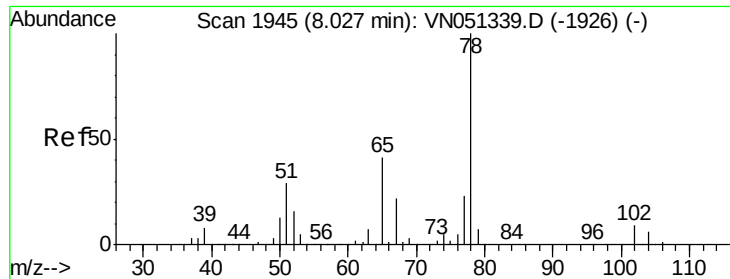
Tot Ion: 83 Resp: 60729
Ion Ratio Lower Upper
83 100
85 61.9 53.2 79.8



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion: 56 Resp: 12075
Ion Ratio Lower Upper
56 100
69 189.6 27.3 40.9#
84 156.9 72.2 108.2#

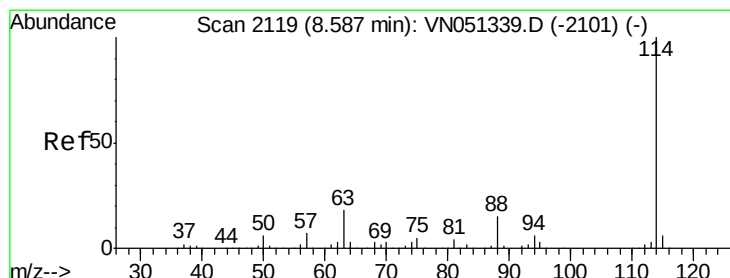
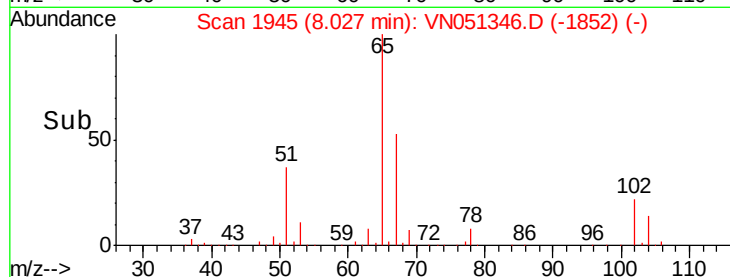
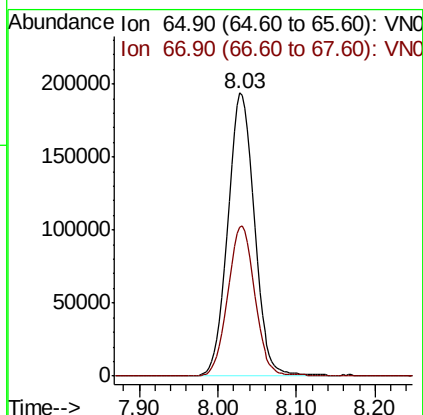
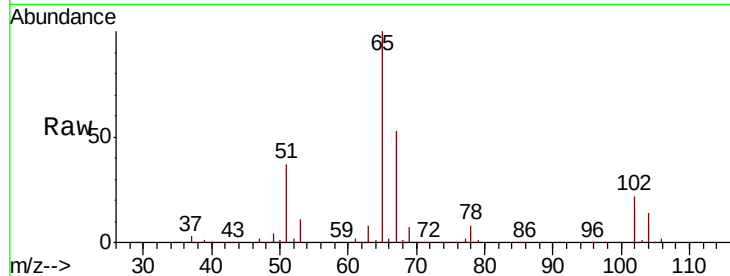




#33
 1,2-Dichloroethane-d4
 Concen: 49.41 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051346.D
 Acq: 20 Sep 2018 18:06

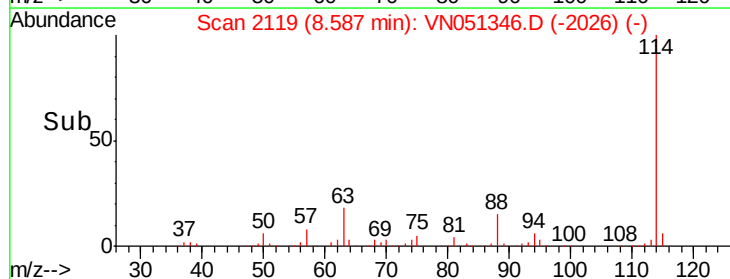
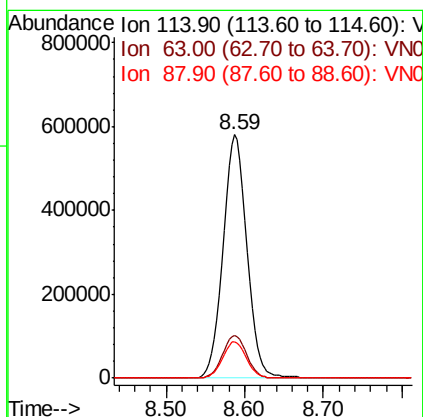
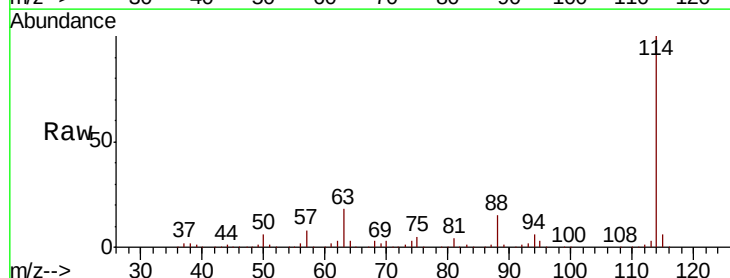
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-TANK-9-19-18

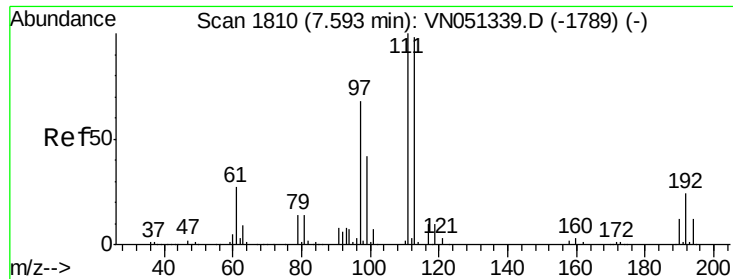
Tot Ion: 65 Resp: 455493
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051346.D
 Acq: 20 Sep 2018 18:06

Tgt Ion: 114 Resp: 1210468
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 15.0 0.0 29.8

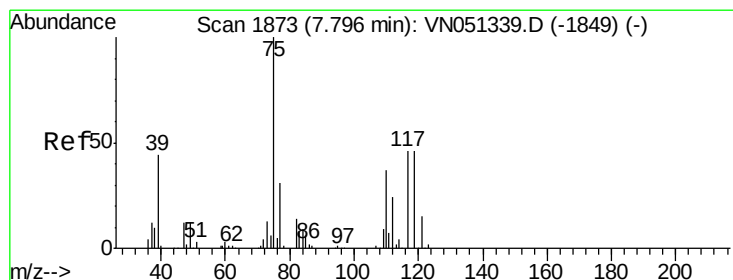
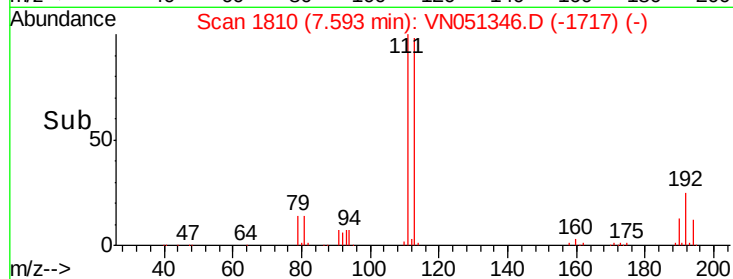
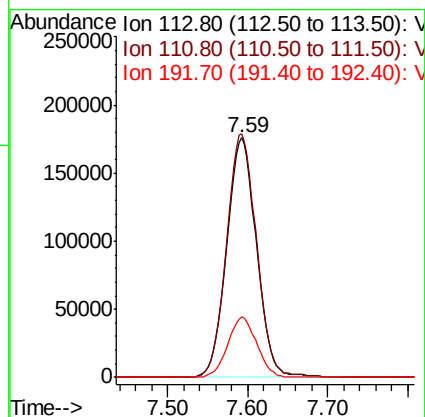
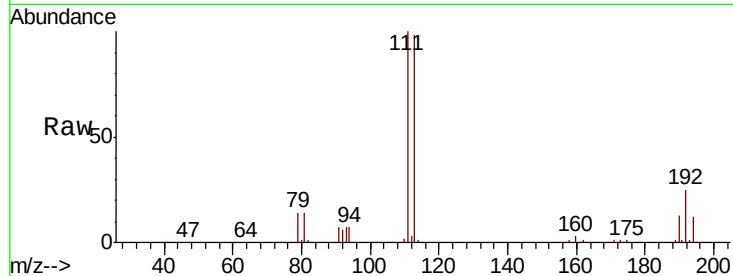




#35
 Dibromofluoromethane
 Concen: 45.62 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051346.D
 Acq: 20 Sep 2018 18:06

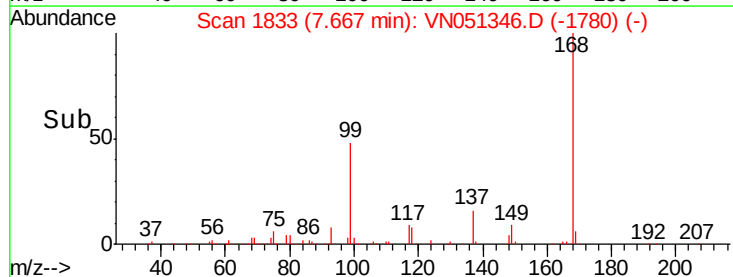
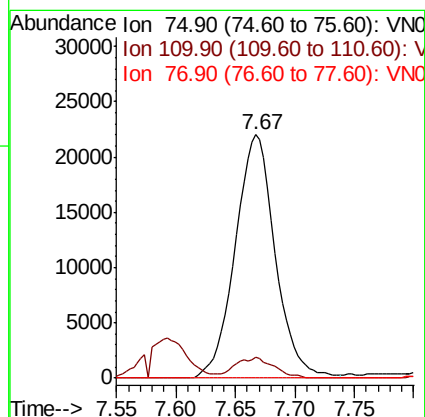
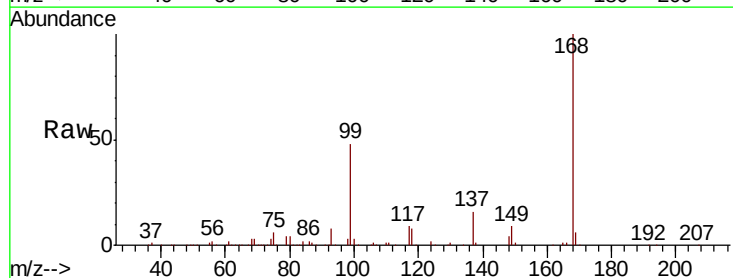
Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-TANK-9-19-18

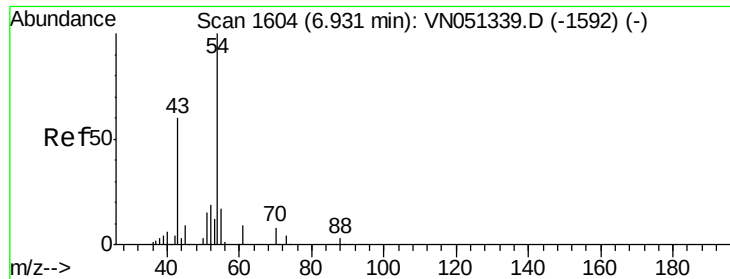
Tot Ion:113 Resp: 446266
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 24.6 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 4.14 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051346.D
 Acq: 20 Sep 2018 18:06

Tgt Ion: 75 Resp: 51294
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.9 56.5#
 77 0.0 25.4 38.2#

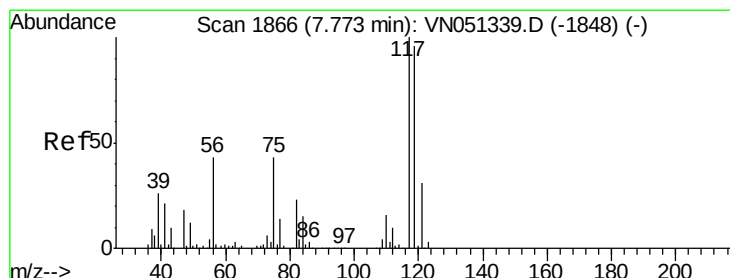
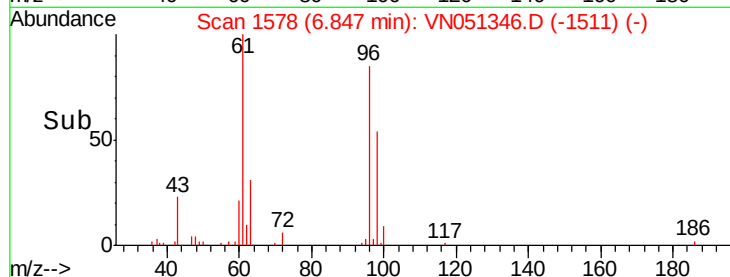
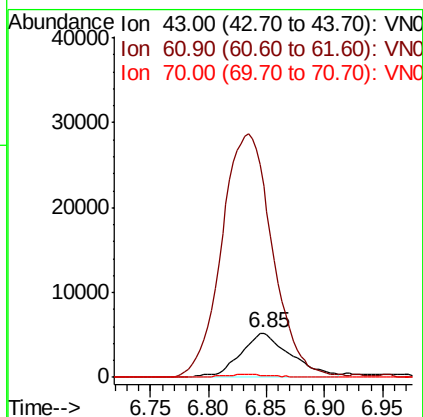
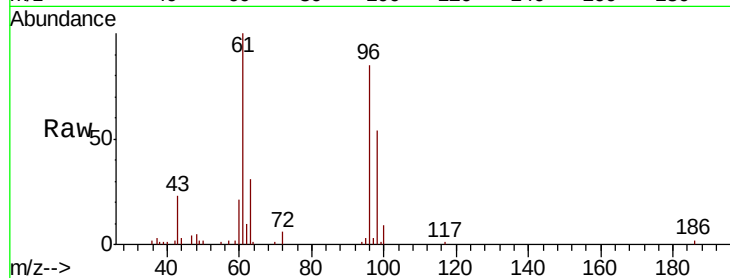




#37
Ethyl Acetate
Concen: 2.57 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.08 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

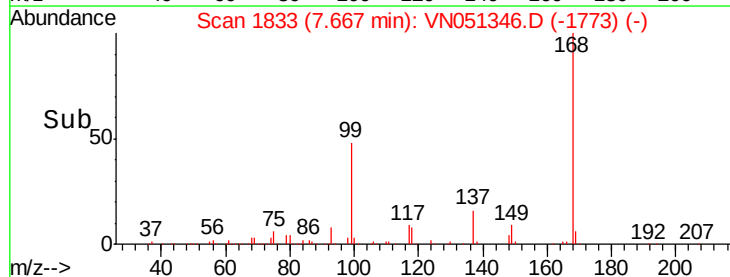
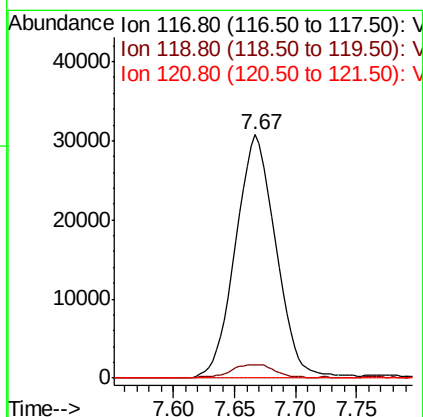
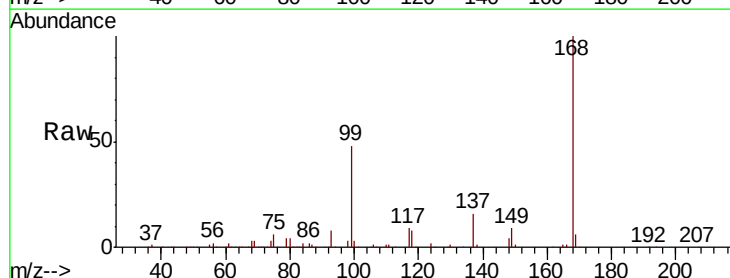
Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

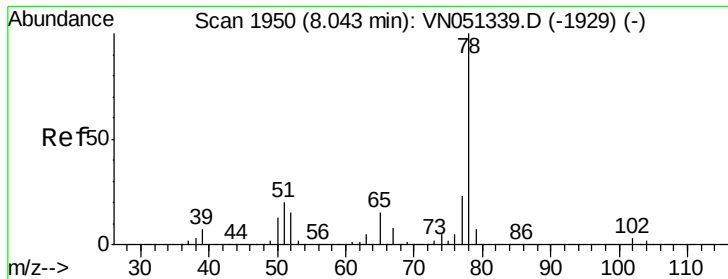
Tot Ion: 43 Resp: 15772
Ion Ratio Lower Upper
43 100
61 554.4 13.6 20.4#
70 5.4 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 5.26 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion: 117 Resp: 70419
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.4#
121 0.0 25.0 37.4#





#40

Benzene

Concen: 1.67 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

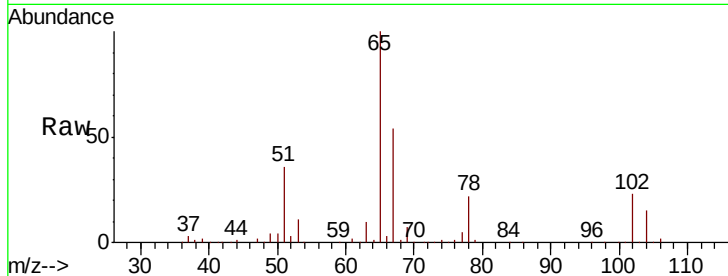
WASTE-TANK-9-19-18

Tot Ion: 78 Resp: 62195

Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

30000

25000

20000

15000

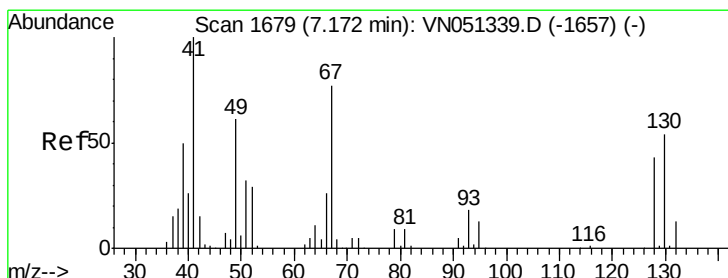
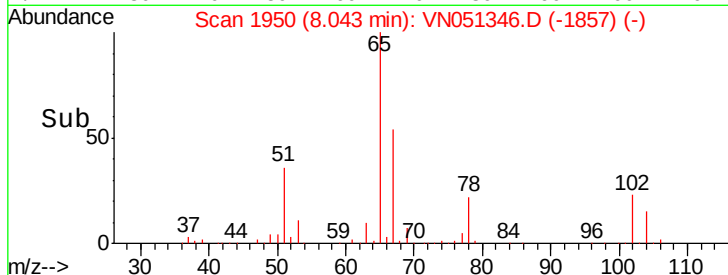
10000

5000

0

Time-->

7.95 8.00 8.05 8.10



#41

Methacrylonitrile

Concen: 1.00 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Tgt Ion: 41 Resp: 3198

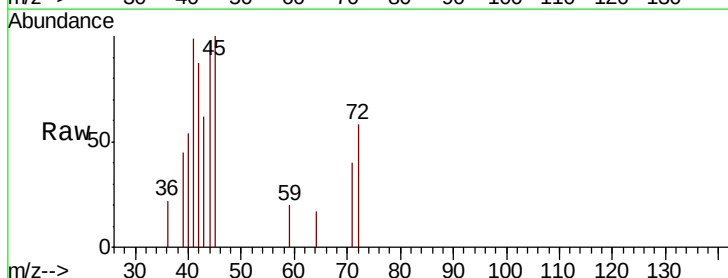
Ion Ratio Lower Upper

41 100

39 10.1 51.3 76.9#

67 0.0 77.0 115.4#

52 0.0 30.4 45.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

1500

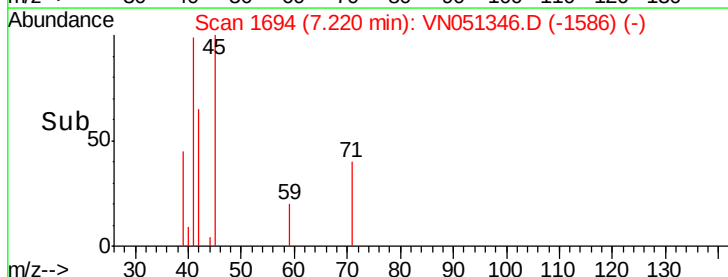
1000

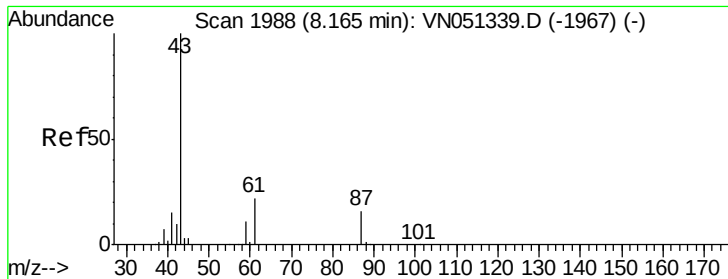
500

0

Time-->

7.10 7.15 7.20 7.25 7.30





#43

Isopropyl Acetate

Concen: 4.25 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

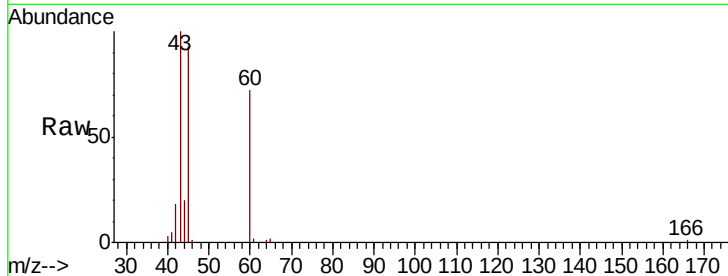
Tot Ion: 43 Resp: 45671

Ion Ratio Lower Upper

43 100

61 0.6 18.1 27.1#

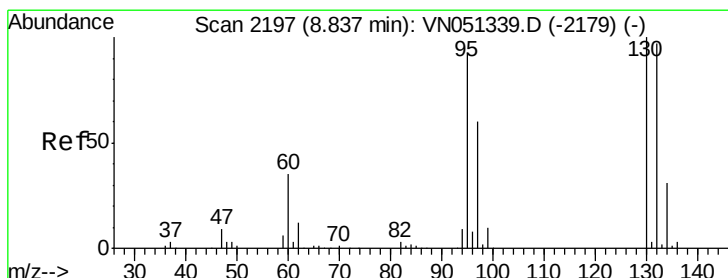
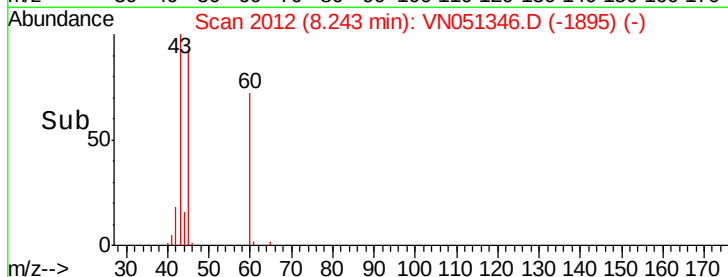
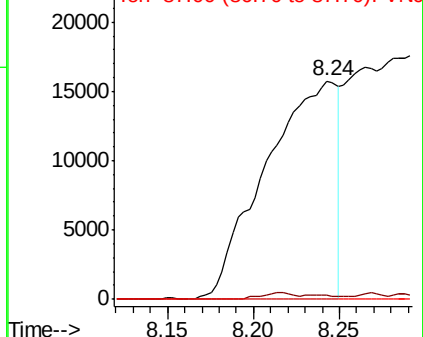
87 0.0 12.8 19.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051339.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051339.D (-1967) (-)



#44

Trichloroethene

Concen: 8.77 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051346.D

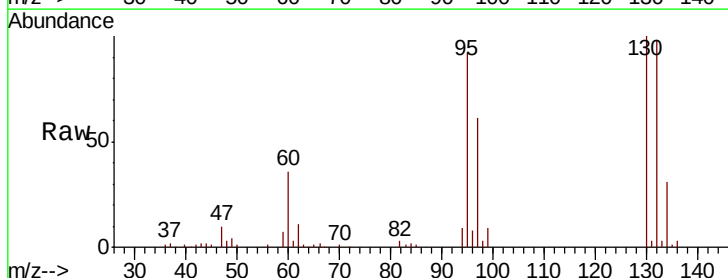
Acq: 20 Sep 2018 18:06

Tgt Ion: 130 Resp: 93905

Ion Ratio Lower Upper

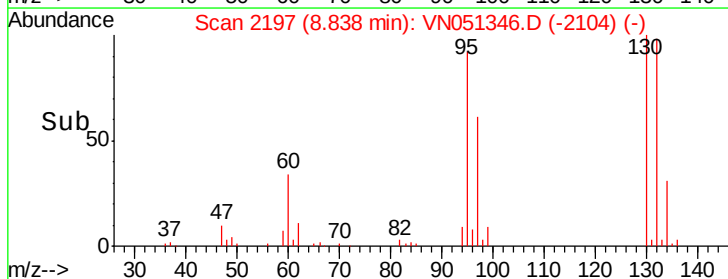
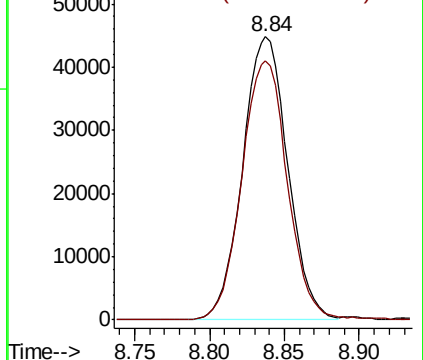
130 100

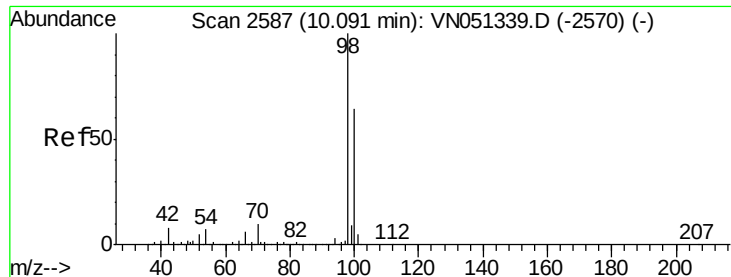
95 91.6 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VN051339.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051339.D (-2179) (-)





#50

Toluene-d8

Concen: 45.71 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

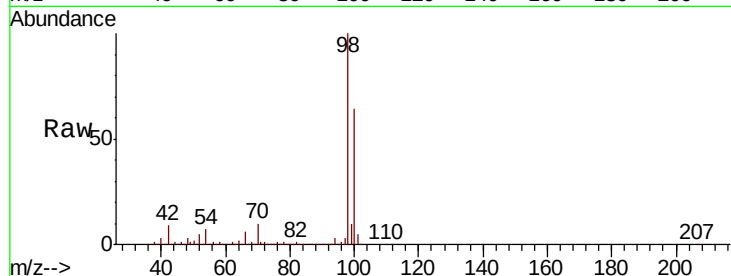
WASTE-TANK-9-19-18

Tot Ion: 98 Resp: 1719109

Ion Ratio Lower Upper

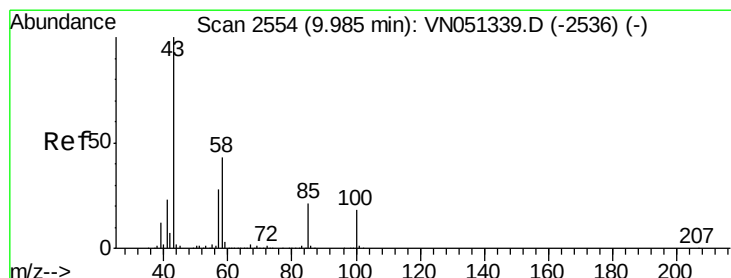
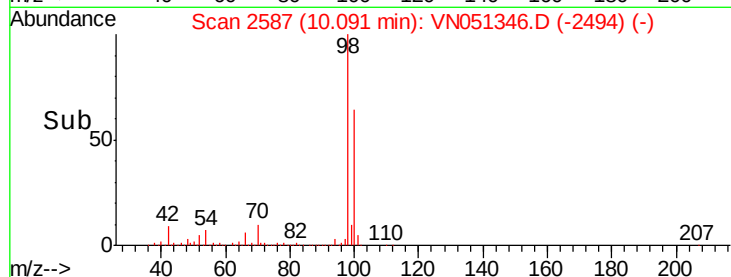
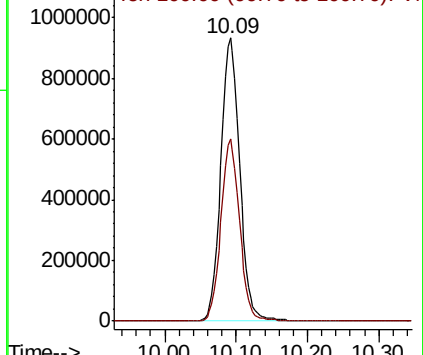
98 100

100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051346.D

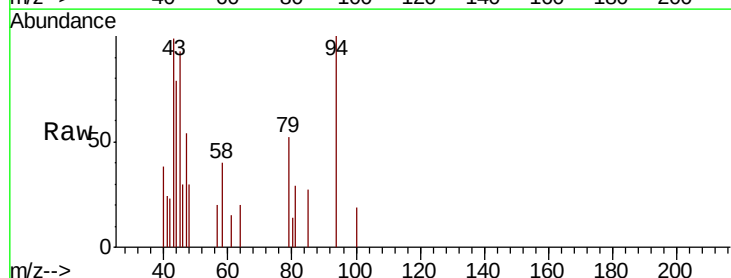
Acq: 20 Sep 2018 18:06

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

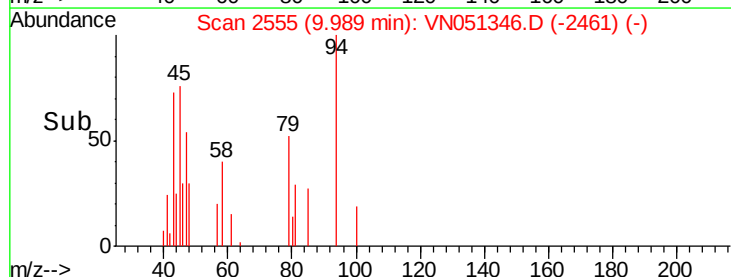
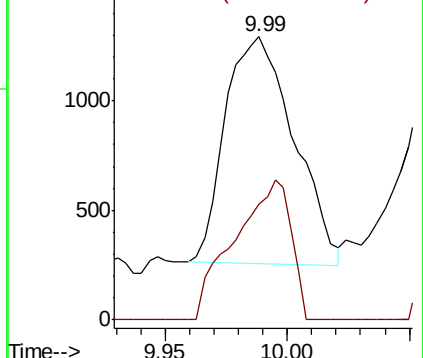
43 100

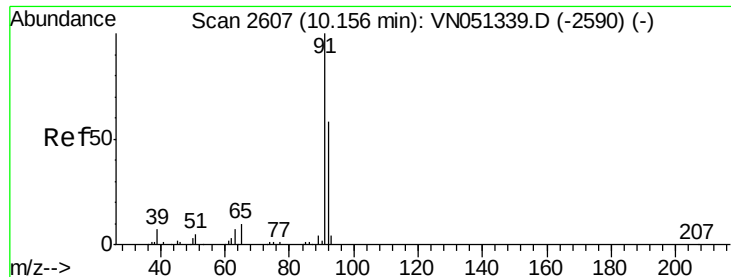
58 50.5 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.34 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

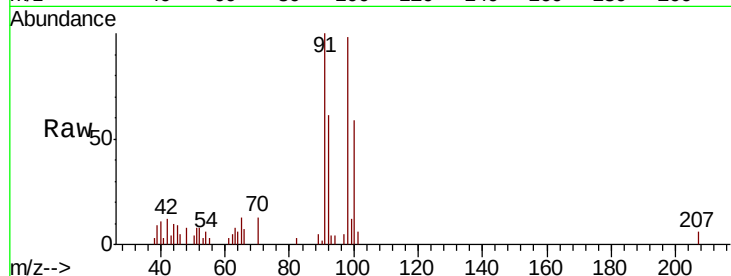
WASTE-TANK-9-19-18

Tot Ion: 92 Resp: 7915

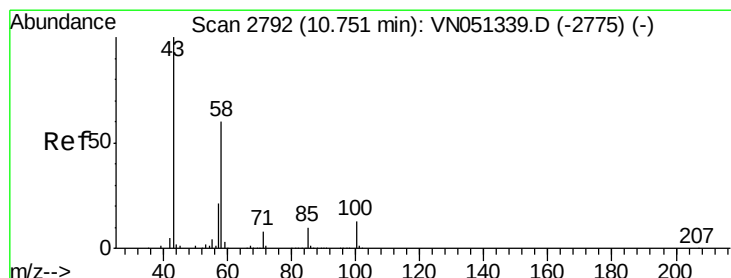
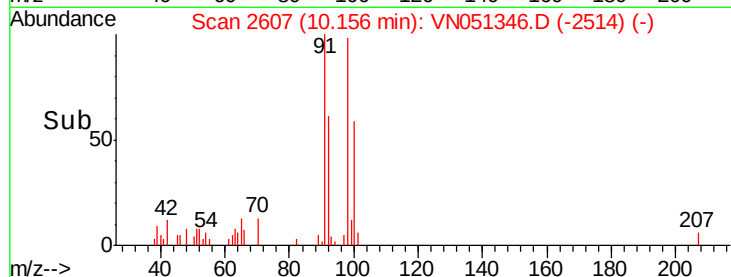
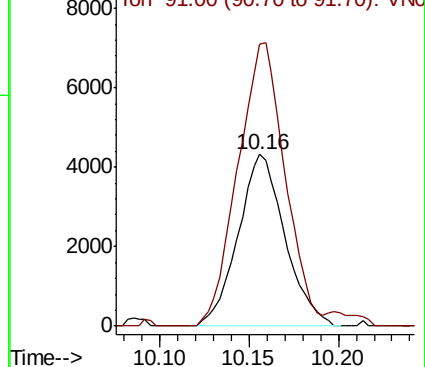
Ion Ratio Lower Upper

92 100

91 166.2 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN051339.D (-2590) (-)



#59

2-Hexanone

Concen: 0.41 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN051346.D

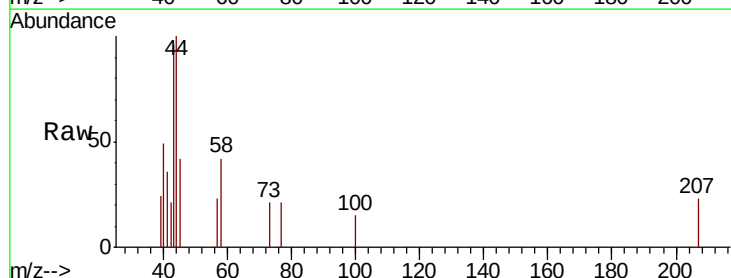
Acq: 20 Sep 2018 18:06

Tgt Ion: 43 Resp: 1613

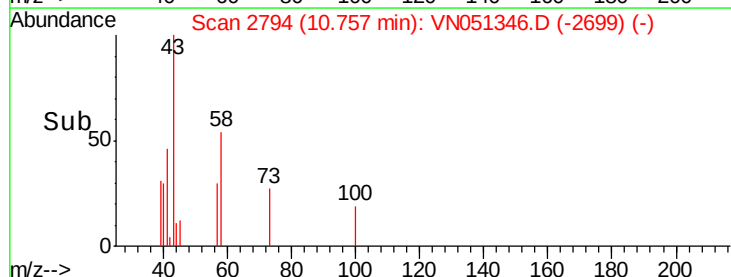
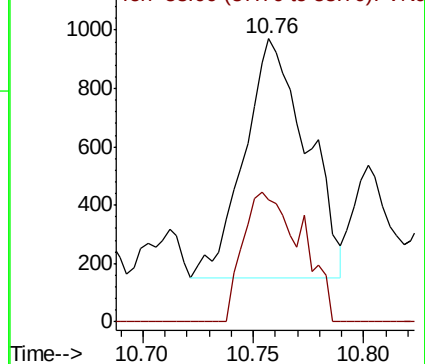
Ion Ratio Lower Upper

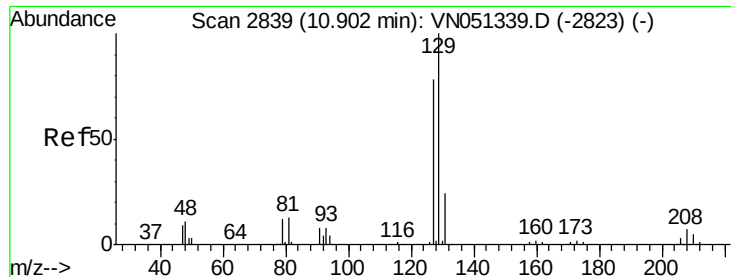
43 100

58 51.0 29.9 89.8



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-2775) (-)

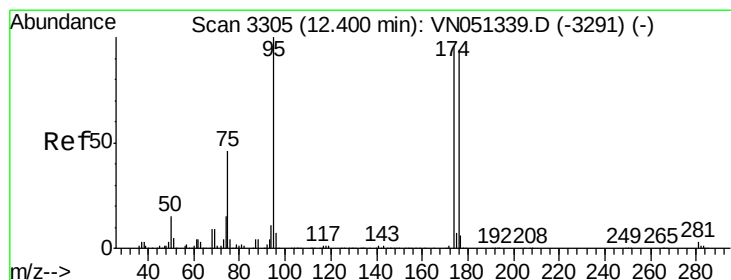
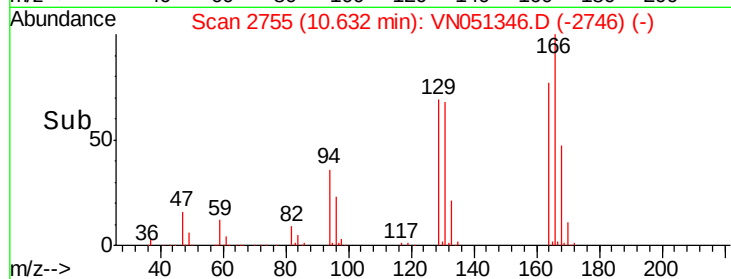
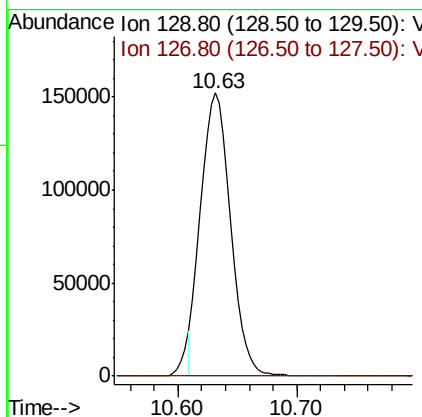
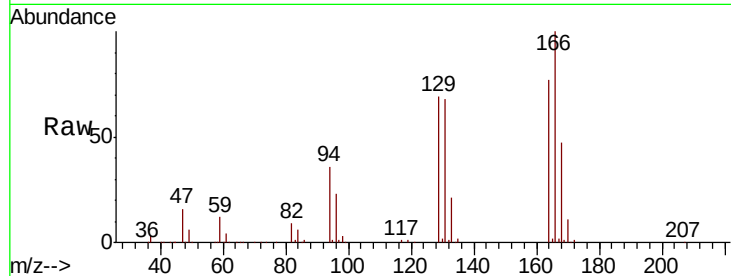




#60
Dibromochloromethane
Concen: 26.37 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

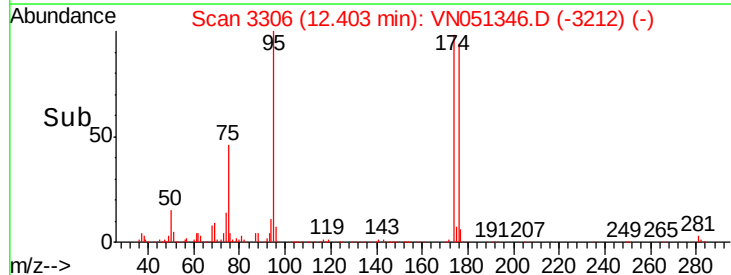
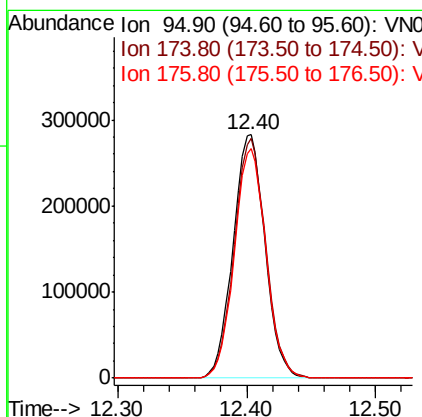
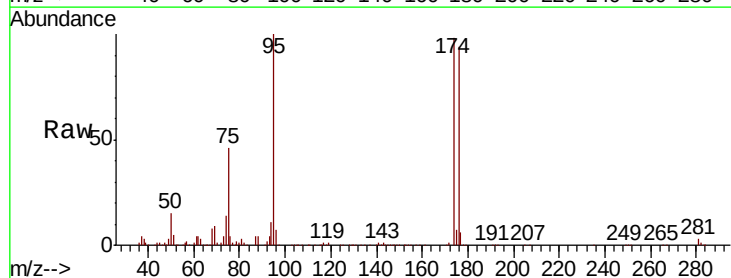
Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

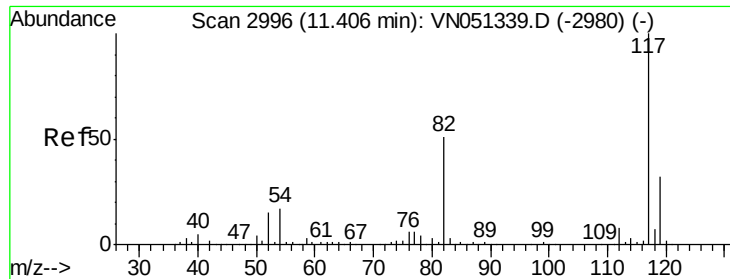
Tot Ion:129 Resp: 264968
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 39.72 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion: 95 Resp: 485973
Ion Ratio Lower Upper
95 100
174 97.3 0.0 194.6
176 93.6 0.0 189.6

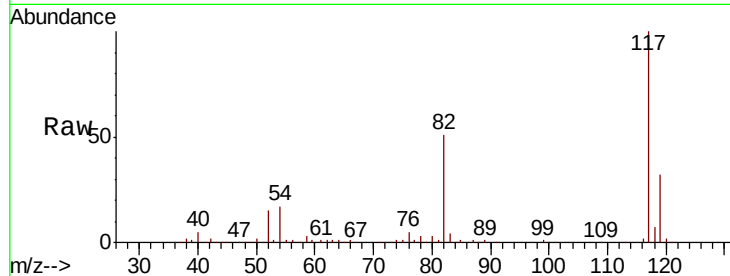




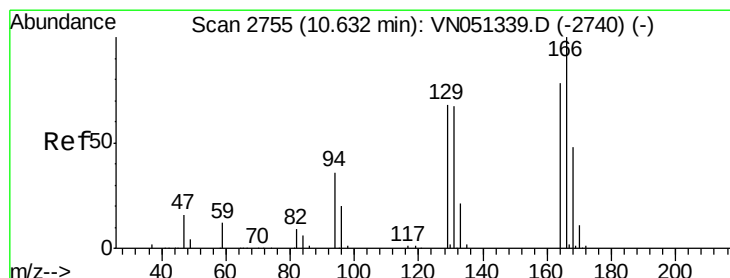
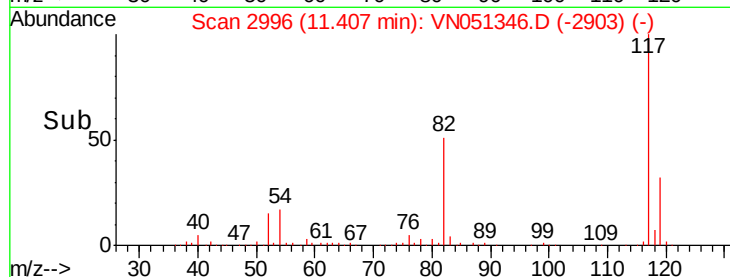
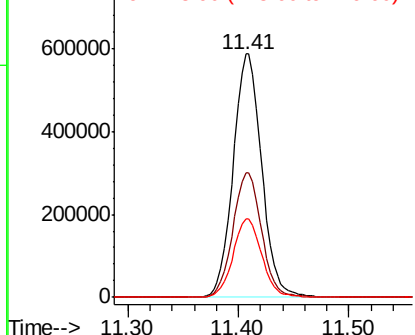
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Instrument :
MSVOA_N
ClientSampleId :
WASTE-TANK-9-19-18

Tot Ion:117 Resp: 1051763
Ion Ratio Lower Upper
117 100
82 51.1 40.7 61.1
119 32.4 25.3 37.9

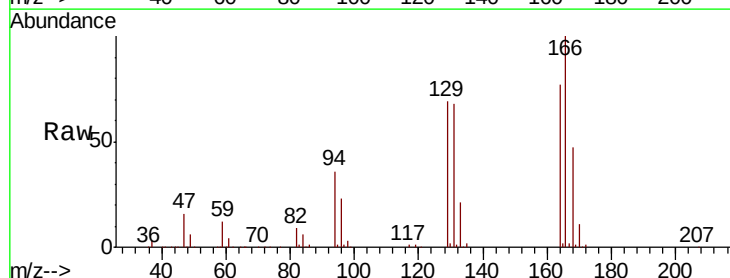


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

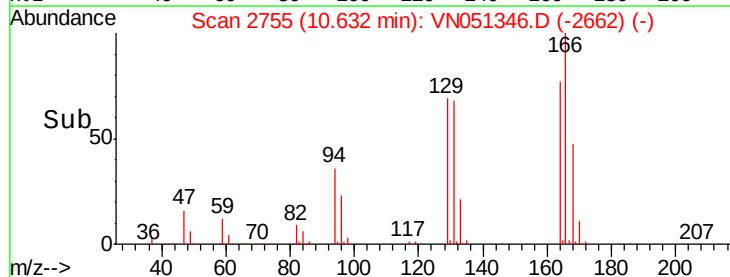
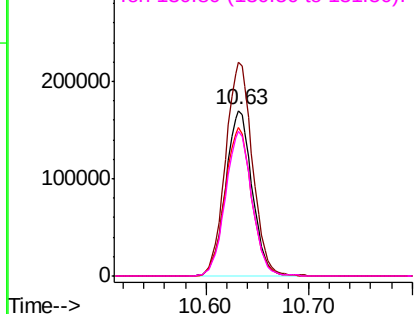


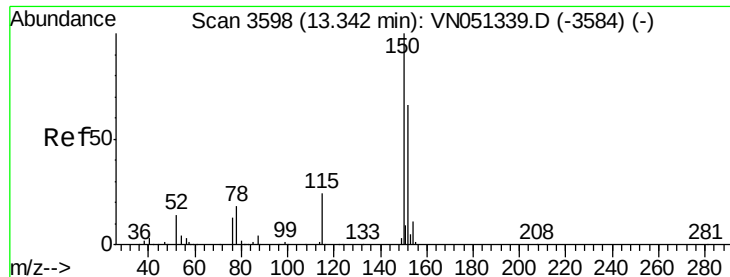
#64
Tetrachloroethene
Concen: 33.22 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051346.D
Acq: 20 Sep 2018 18:06

Tgt Ion:164 Resp: 304701
Ion Ratio Lower Upper
164 100
166 129.1 102.1 153.1
129 89.4 69.4 104.2
131 87.5 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

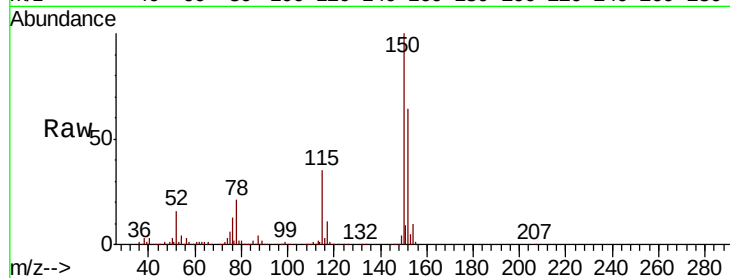
Tot Ion:152 Resp: 453747

Ion Ratio Lower Upper

152 100

115 53.4 26.9 80.7

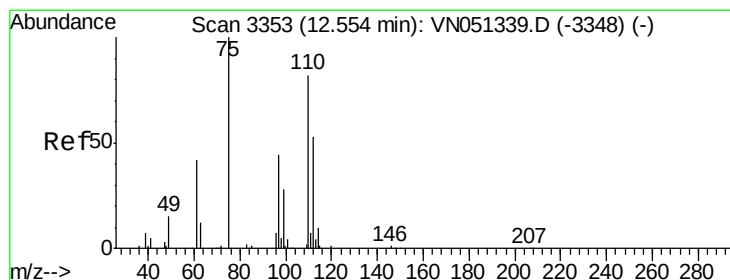
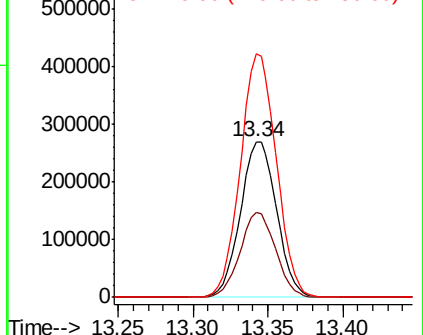
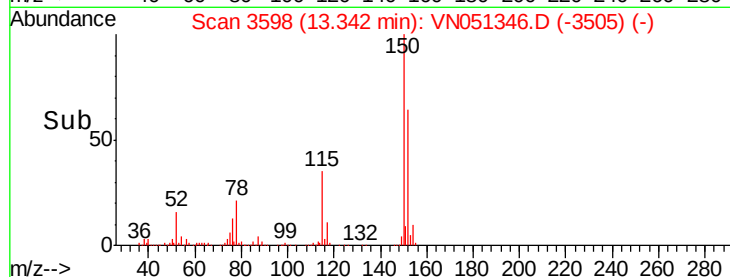
150 155.5 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 33.92 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051346.D

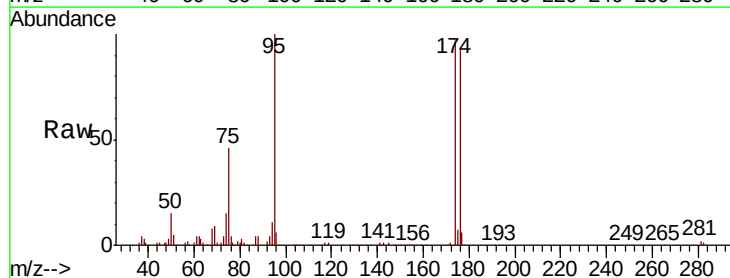
Acq: 20 Sep 2018 18:06

Tgt Ion: 75 Resp: 222265

Ion Ratio Lower Upper

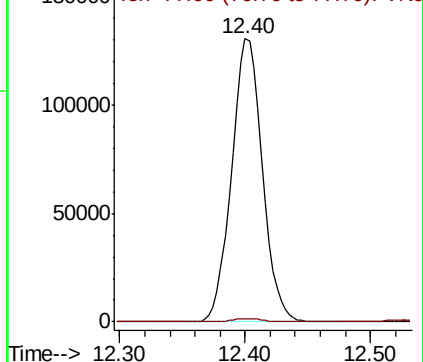
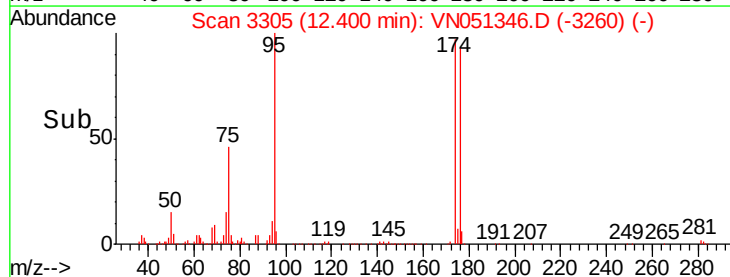
75 100

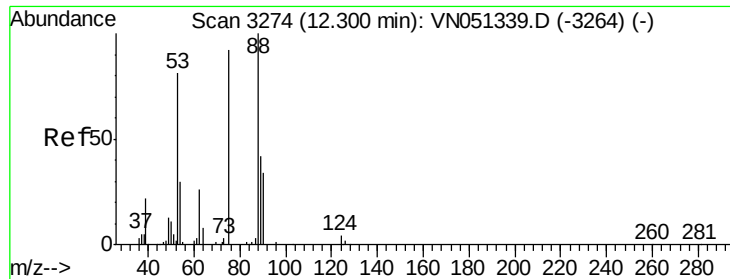
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.43 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

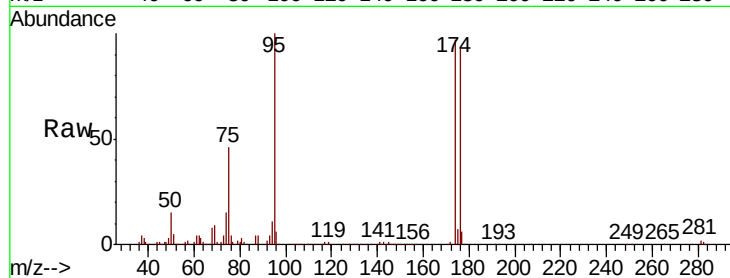
Tot Ion: 75 Resp: 222265

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

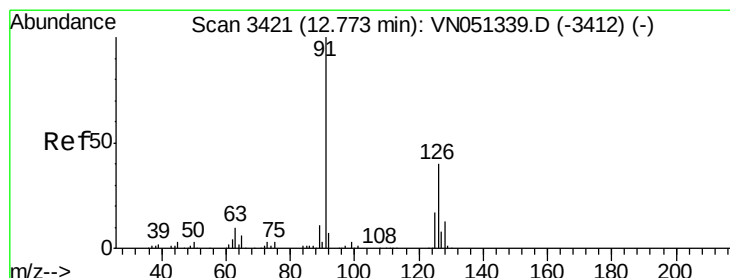
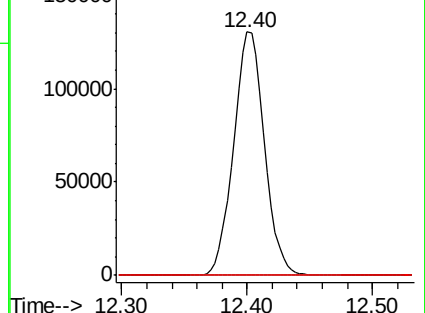
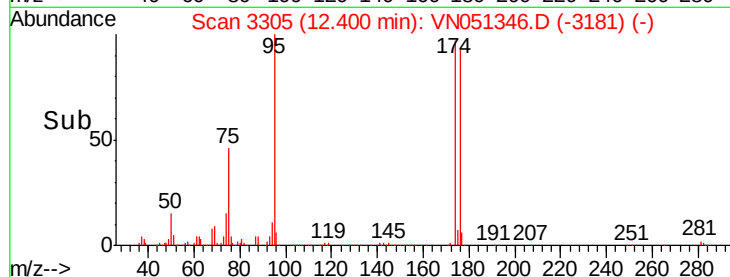
89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.21 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051346.D

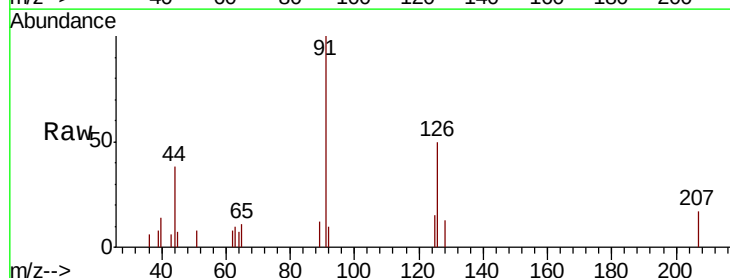
Acq: 20 Sep 2018 18:06

Tgt Ion: 91 Resp: 4616

Ion Ratio Lower Upper

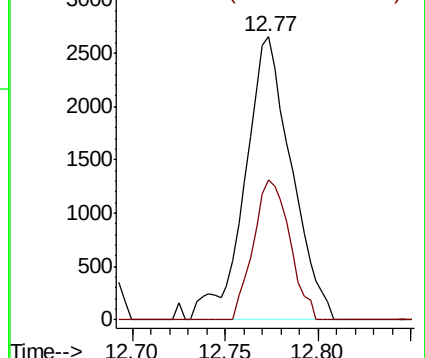
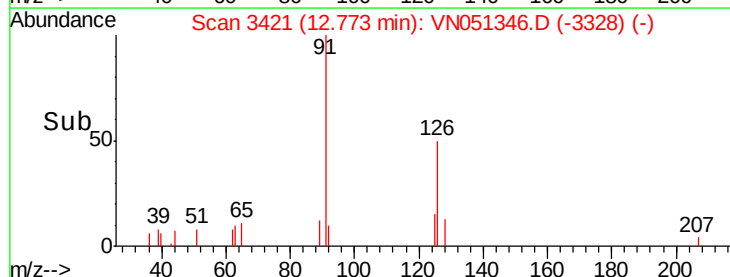
91 100

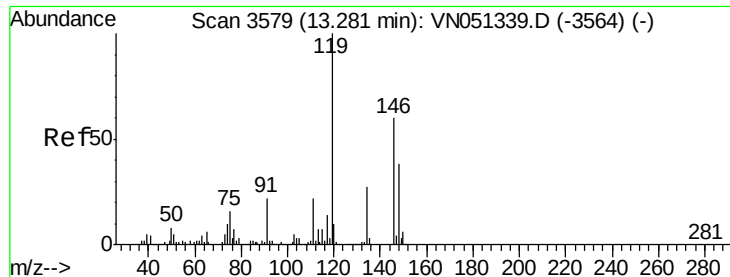
126 38.8 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 0.27 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

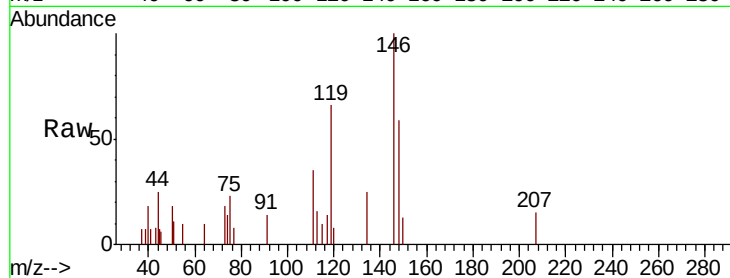
Tot Ion:146 Resp: 4128

Ion Ratio Lower Upper

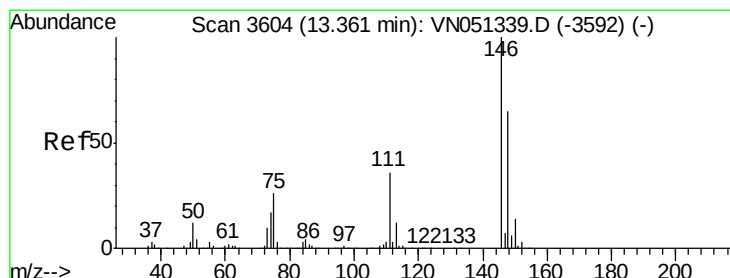
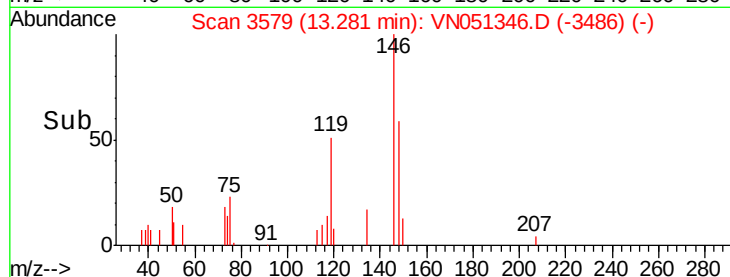
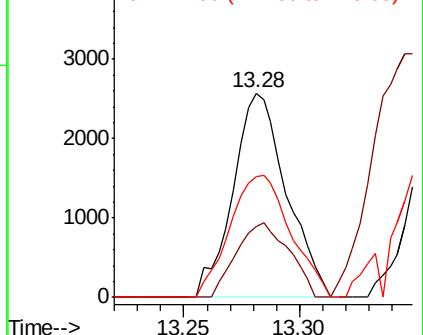
146 100

111 35.9 18.6 55.8

148 67.6 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 0.28 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

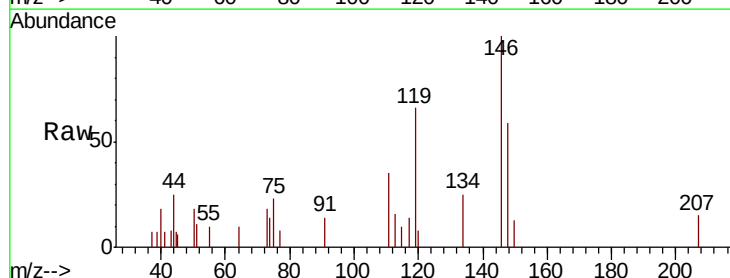
Tgt Ion:146 Resp: 4128

Ion Ratio Lower Upper

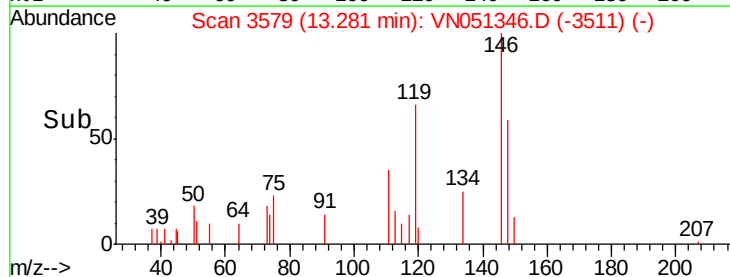
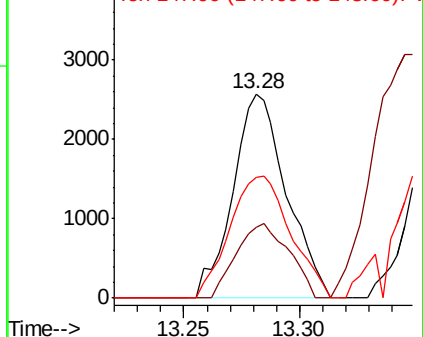
146 100

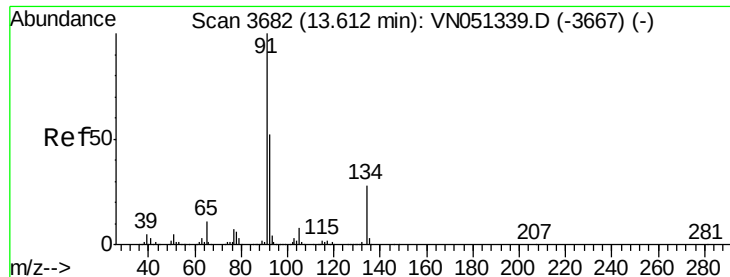
111 35.9 18.2 54.6

148 67.6 32.5 97.4



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





#89

n-Butylbenzene

Concen: 0.29 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

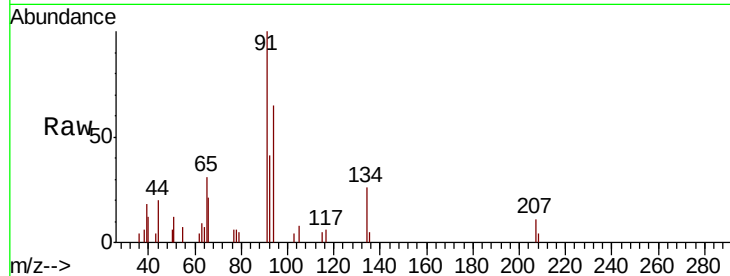
Tot Ion: 91 Resp: 6361

Ion Ratio Lower Upper

91 100

92 45.7 26.0 78.0

134 29.4 14.1 42.4

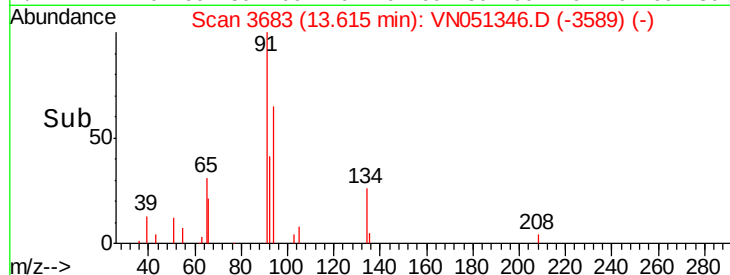


Abundance Ion 91.00 (90.70 to 91.70): VN051339.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051339.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051339.D (-3667) (-)

Time--> 13.55 13.60 13.65

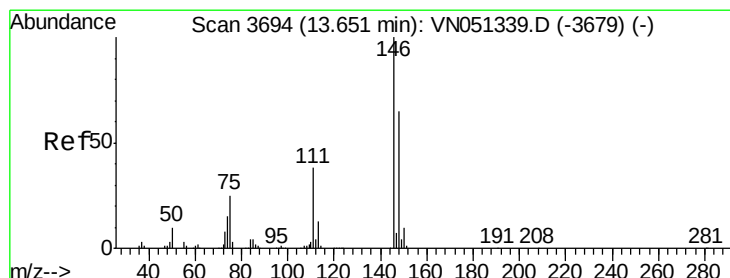


Abundance Ion 91.00 (90.70 to 91.70): VN051346.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051346.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051346.D (-3589) (-)

Time--> 13.55 13.60 13.65



#91

1,2-Dichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

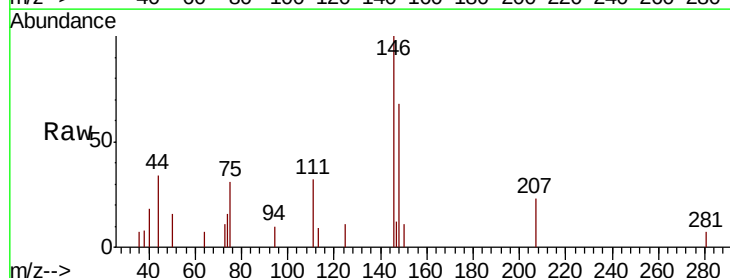
Tgt Ion: 146 Resp: 3620

Ion Ratio Lower Upper

146 100

111 33.0 19.3 57.8

148 70.1 32.9 98.7

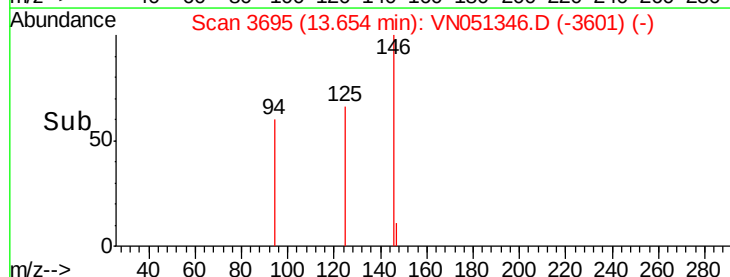


Abundance Ion 145.90 (145.60 to 146.60): VN051339.D (-3679) (-)

Ion 110.90 (110.60 to 111.60): VN051339.D (-3679) (-)

Ion 147.90 (147.60 to 148.60): VN051339.D (-3679) (-)

Time--> 13.60 13.65 13.70

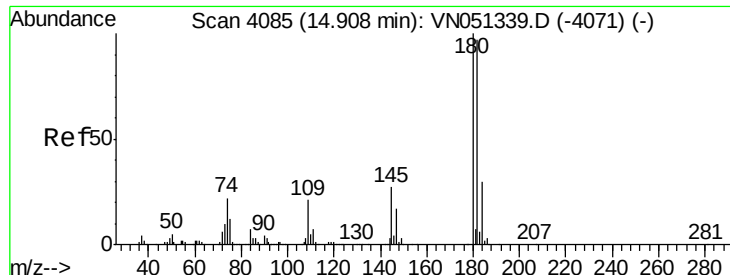


Abundance Ion 145.90 (145.60 to 146.60): VN051346.D (-3601) (-)

Ion 110.90 (110.60 to 111.60): VN051346.D (-3601) (-)

Ion 147.90 (147.60 to 148.60): VN051346.D (-3601) (-)

Time--> 13.60 13.65 13.70



#93

1,2,4-Trichlorobenzene

Concen: 0.94 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

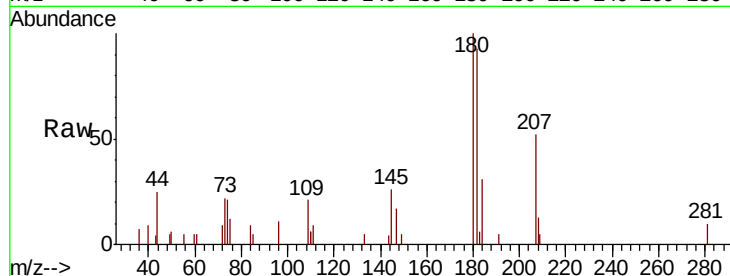
Tot Ion:180 Resp: 6426

Ion Ratio Lower Upper

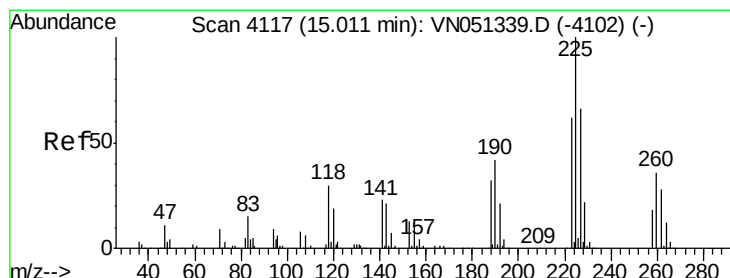
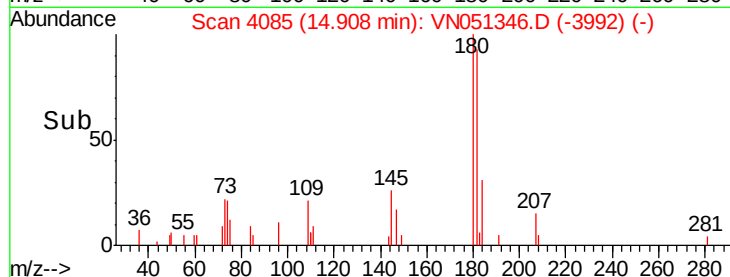
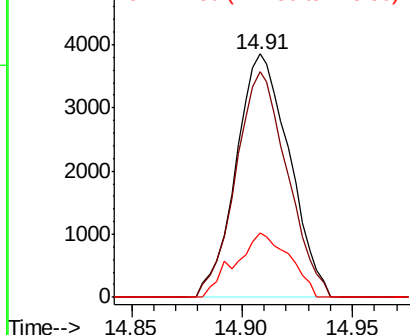
180 100

182 89.9 48.4 145.2

145 26.8 13.7 41.1



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



#94

Hexachlorobutadiene

Concen: 0.65 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

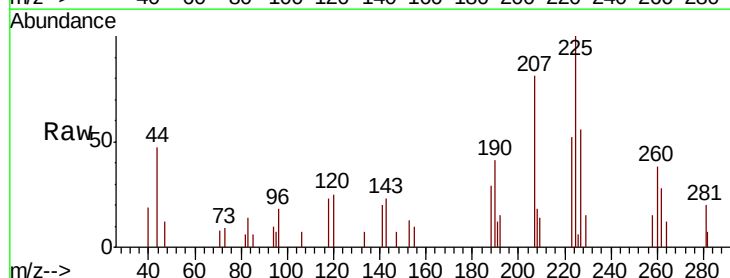
Tgt Ion:225 Resp: 3763

Ion Ratio Lower Upper

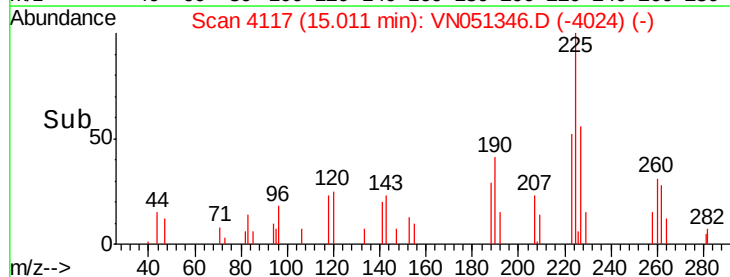
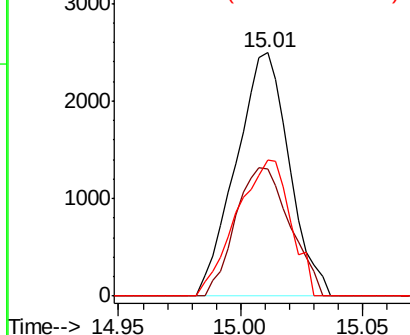
225 100

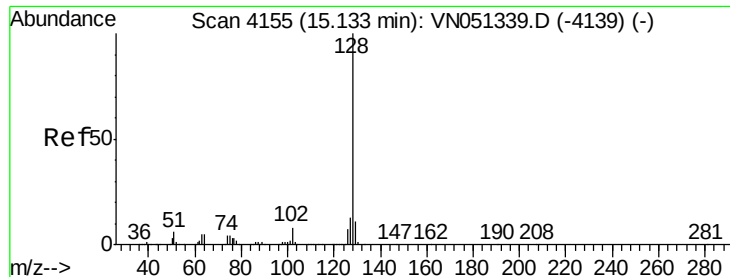
223 54.1 31.2 93.6

227 57.1 32.8 98.4



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





#95

Naphthalene

Concen: 0.97 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

Instrument :

MSVOA_N

ClientSampleId :

WASTE-TANK-9-19-18

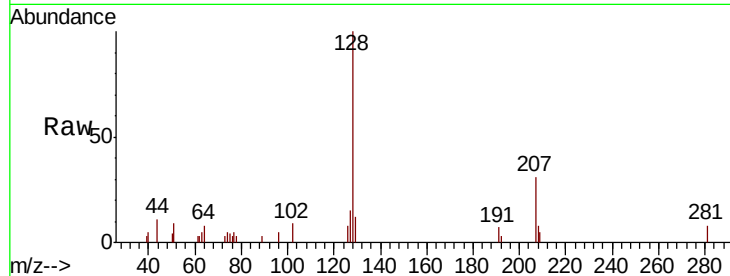
Tot Ion:128 Resp: 11740

Ion Ratio Lower Upper

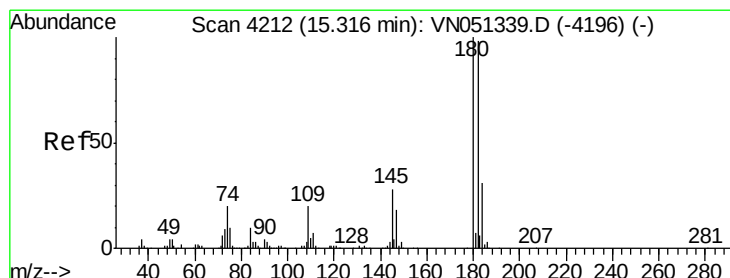
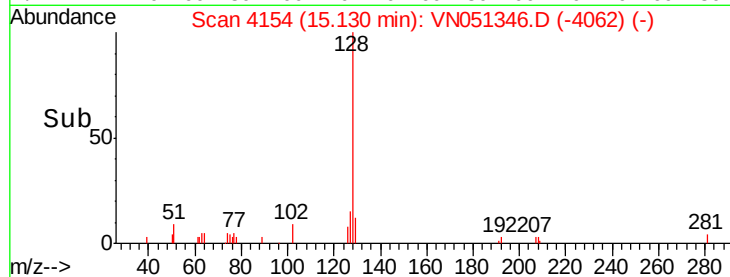
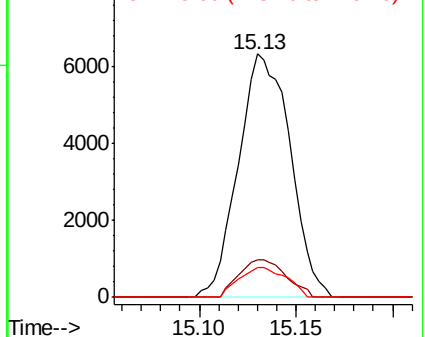
128 100

127 14.1 10.3 15.5

129 11.2 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.96 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051346.D

Acq: 20 Sep 2018 18:06

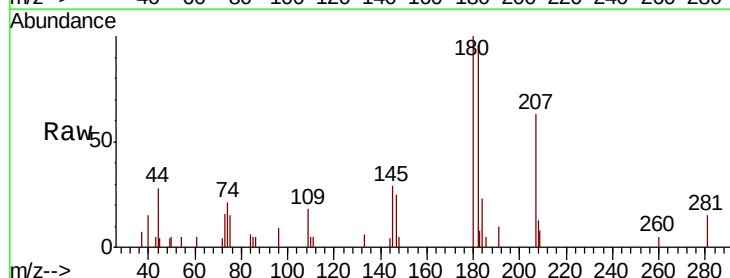
Tgt Ion:180 Resp: 6533

Ion Ratio Lower Upper

180 100

182 95.4 48.1 144.3

145 29.3 14.3 42.9



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

