

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051207.D
 Acq On : 14 Sep 2018 22:58
 Operator : MD\SY
 Sample : J4906-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-PIT-1

Quant Time: Sep 15 00:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	646185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	335325	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	7.59	113	335146	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1267979	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	377458	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2375	Below Cal		98
5) Bromomethane	2.57	94	2555	Below Cal		94
10) Methyl Iodide	3.95	142	255	5.66	ug/l #	44
13) Acrolein	3.56	56	4675	30.58	ug/l #	1
14) Allyl chloride	4.41	41	5622	0.54	ug/l #	47
15) Acrylonitrile	5.04	53	1606	0.66	ug/l #	39
16) Acetone	3.82	43	48391	21.89	ug/l	95
18) Methyl Acetate	4.33	43	10933	1.90	ug/l	96
20) Methylene Chloride	4.56	84	53837	6.78	ug/l	97
23) Vinyl Acetate	5.93	43	3019	0.21	ug/l #	70
25) 2-Butanone	6.85	43	12754	4.51	ug/l	93
26) 2,2-Dichloropropane	6.63	77	7198	0.66	ug/l #	51
28) Bromochloromethane	7.40	49	1420	0.24	ug/l #	7
29) Tetrahydrofuran	7.22	42	1917	1.09	ug/l #	63
30) Chloroform	7.38	83	6794	0.52	ug/l #	75
31) Cyclohexane	7.66	56	517298	43.84	ug/l	99
36) 1,1-Dichloropropene	7.67	75	39727	4.02	ug/l #	68
37) Ethyl Acetate	6.85	43	12754	2.23	ug/l #	66
38) Carbon Tetrachloride	7.67	117	54137	5.56	ug/l #	16
39) Methylcyclohexane	9.08	83	683251	62.64	ug/l	100
40) Benzene	8.04	78	251872	8.45	ug/l	97
41) Methacrylonitrile	7.22	41	3035	1.03	ug/l #	13
42) 1,2-Dichloroethane	8.17	62	2581	0.30	ug/l #	1
43) Isopropyl Acetate	8.17	43	285401	28.25	ug/l #	81
45) 1,2-Dichloropropane	9.08	63	6526	0.85	ug/l #	1
47) Bromodichloromethane	9.27	83	4441	0.47	ug/l #	25
48) Methyl methacrylate	9.27	41	46438	9.43	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	4790	0.86	ug/l	93
52) Toluene	10.16	92	37180	2.05	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	41359	6.27	ug/l #	19
56) Ethyl methacrylate	10.43	69	19216	4.52	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.67	63	1615	15.63	ug/l #	47
59) 2-Hexanone	10.76	43	13110	3.46	ug/l	65
67) Ethyl Benzene	11.51	91	687233	21.71	ug/l	100

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

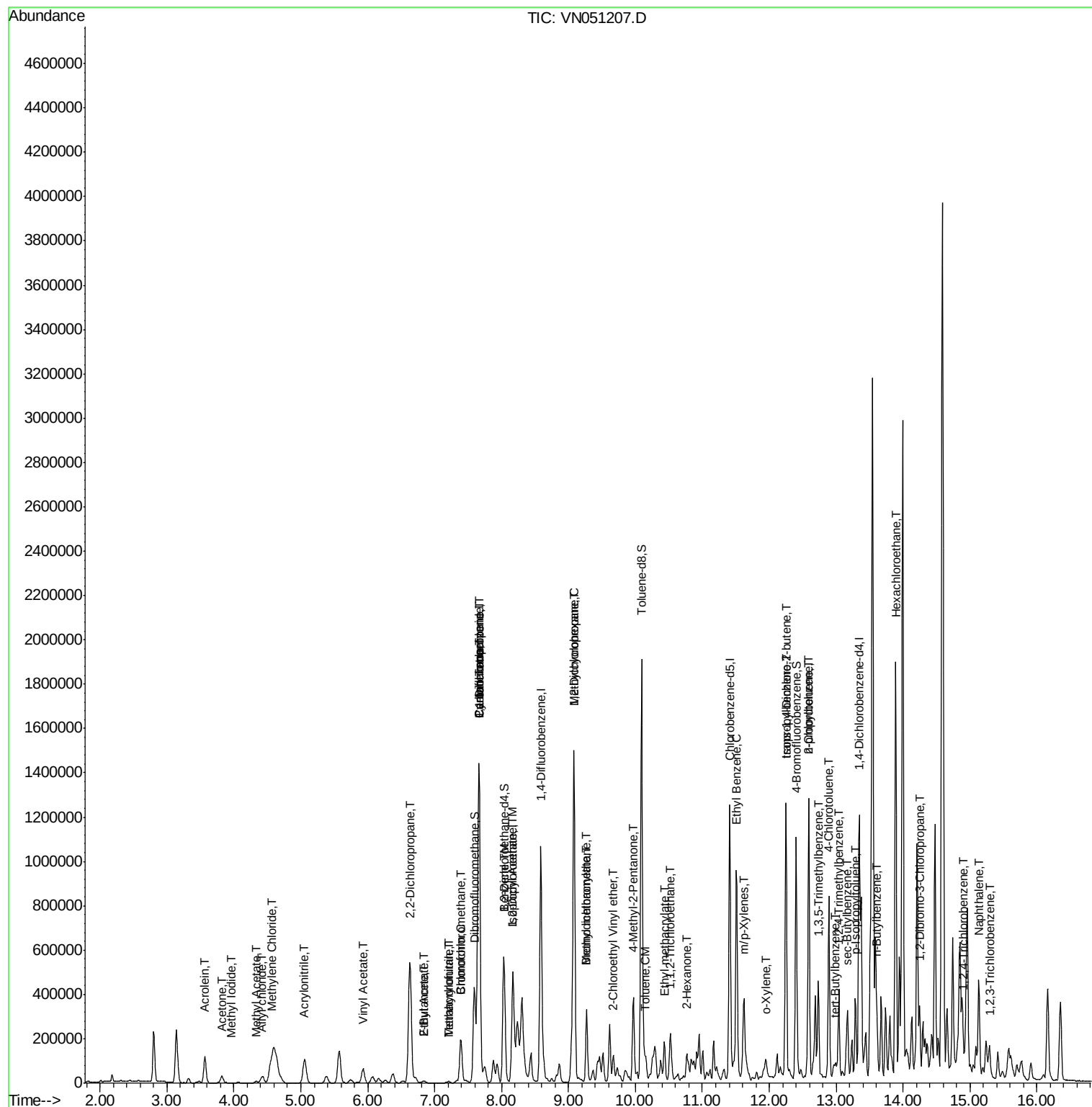
68) m/p-Xylenes	11.62	106	128114	10.53	ug/l	98
69) o-Xylene	11.95	106	22737	1.93	ug/l	90
73) Isopropylbenzene	12.25	105	832431	29.01	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.47	83	1487	Below	Cal #	41
76) 1,2,3-Trichloropropane	12.59	75	6302	Below	Cal #	100
78) n-propylbenzene	12.59	91	1022192	32.41	ug/l	99
79) 2-Chlorotoluene	12.59	91	1022192	51.86	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	235502	10.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	9108	5.06	ug/l #	62
82) 4-Chlorotoluene	12.89	91	61445	3.14	ug/l #	40
83) tert-Butylbenzene	12.99	119	27706	1.35	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	221377	9.71	ug/l	100
85) sec-Butylbenzene	13.17	105	188404	7.17	ug/l	82
86) p-Isopropyltoluene	13.29	119	199743	8.97	ug/l	99
89) n-Butylbenzene	13.61	91	167669	9.67	ug/l #	70
90) Hexachloroethane	13.89	117	99186	24.15	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	947	1.61	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	631	4.08	ug/l #	1
95) Naphthalene	15.13	128	379265	31.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	615	3.05	ug/l #	82

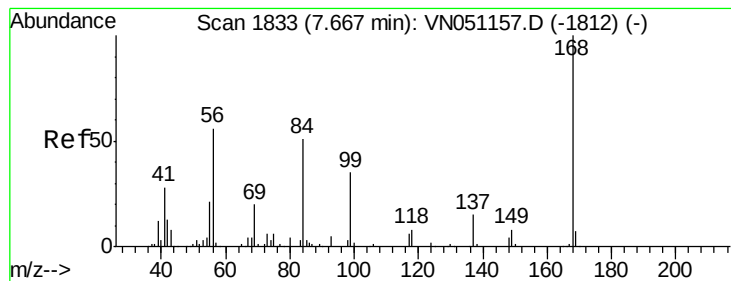
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

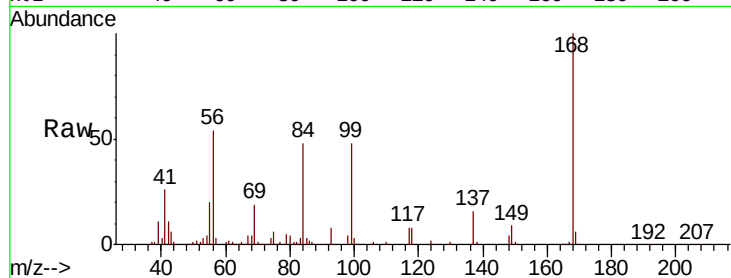
SP-PIT-1

Tot Ion:168 Resp: 646185

Ion Ratio Lower Upper

168 100

99 47.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051157.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051157.D (-1812) (-)

7.67

300000

250000

200000

150000

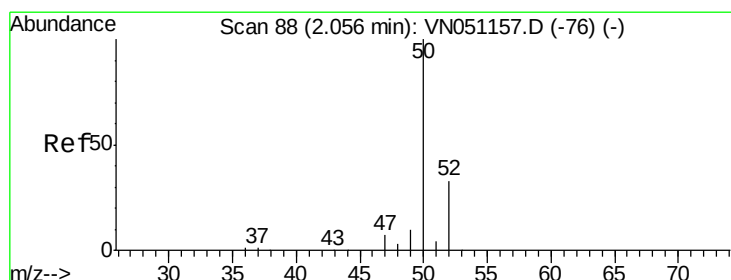
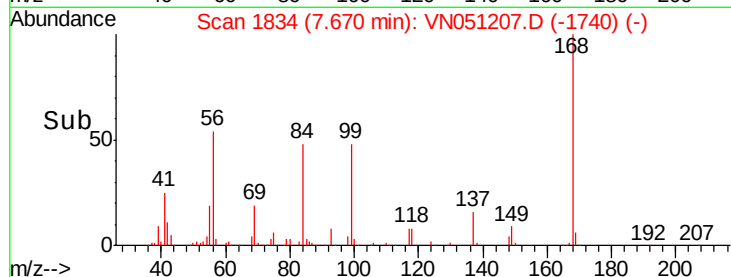
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051207.D

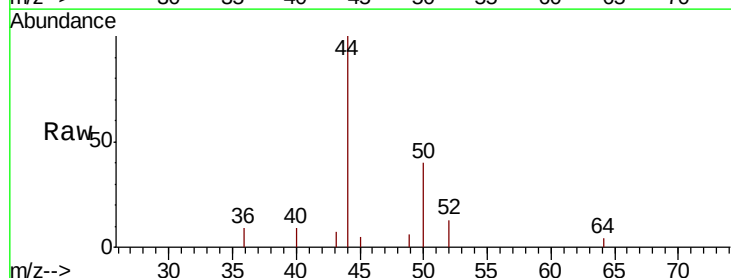
Acq: 14 Sep 2018 22:58

Tgt Ion: 50 Resp: 2375

Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051157.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051157.D (-76) (-)

2.06

2000

1500

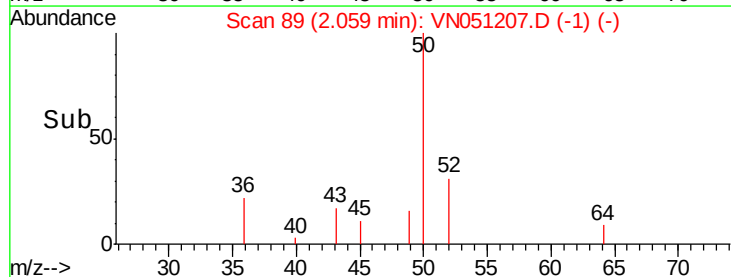
1000

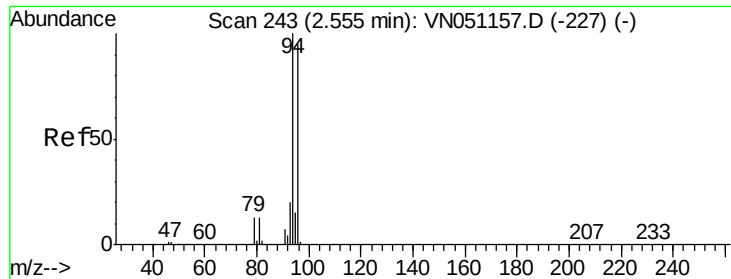
500

0

2.05 2.10

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

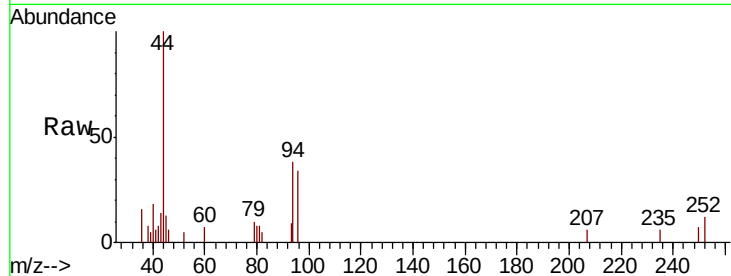
SP-PIT-1

Tot Ion: 94 Resp: 2555

Ion Ratio Lower Upper

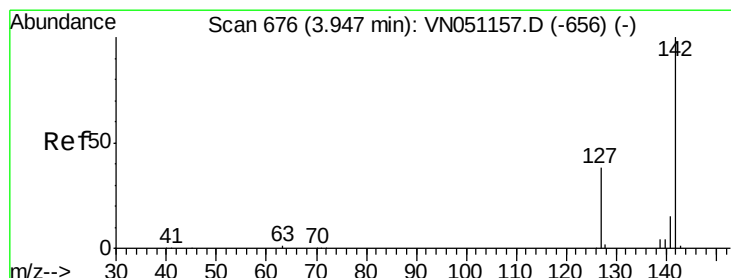
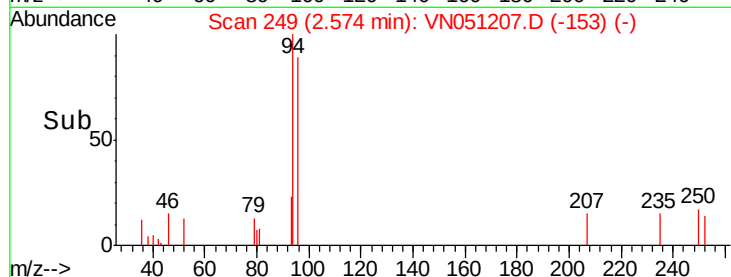
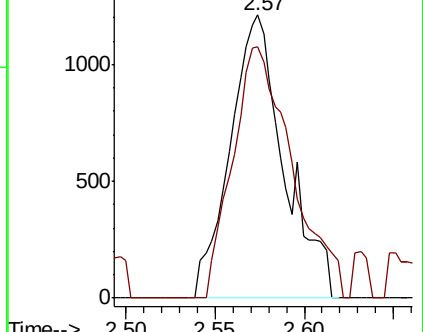
94 100

96 89.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051157.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN051157.D (-227) (-)



#10

Methyl Iodide

Concen: 5.66 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

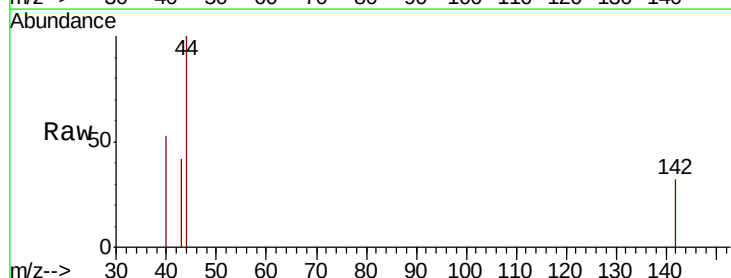
Tgt Ion: 142 Resp: 255

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

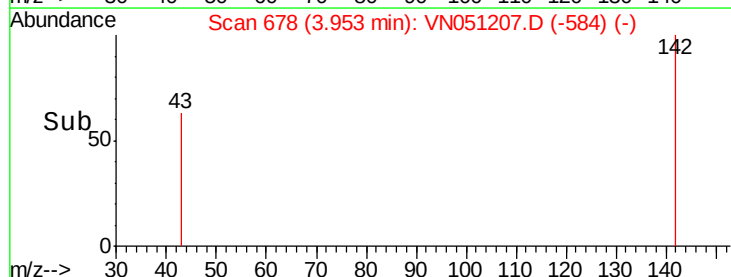
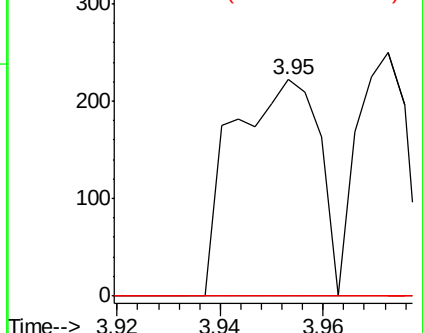
141 0.0 11.3 16.9#

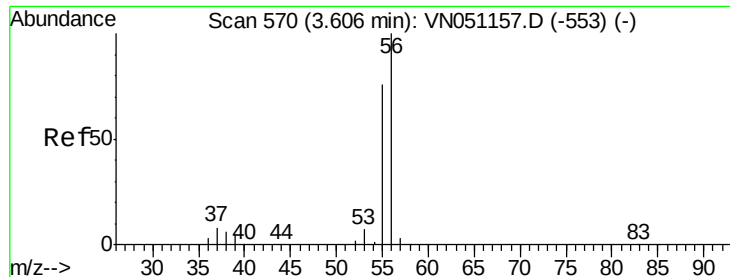


Abundance Ion 141.80 (141.50 to 142.50): VN051157.D (-656) (-)

Ion 126.80 (126.50 to 127.50): VN051157.D (-656) (-)

Ion 140.80 (140.50 to 141.50): VN051157.D (-656) (-)





#13

Acrolein

Concen: 30.58 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.04 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

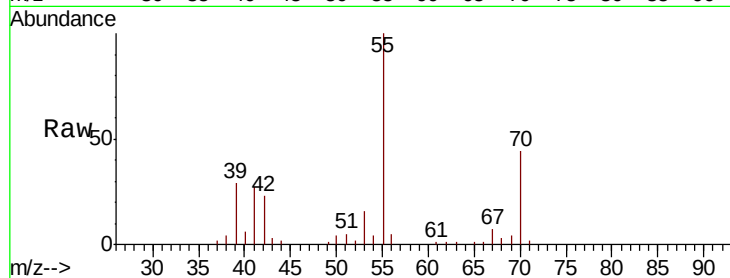
SP-PIT-1

Tot Ion: 56 Resp: 4675

Ion Ratio Lower Upper

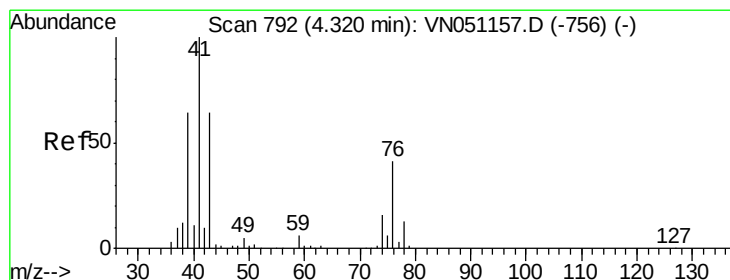
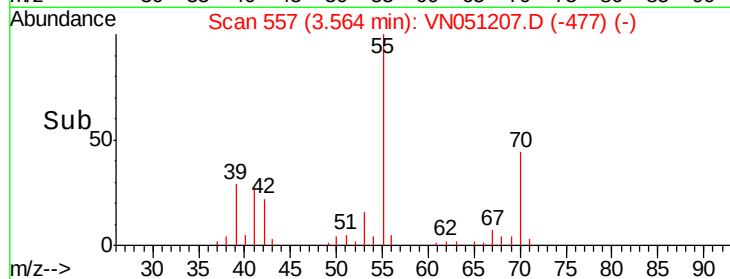
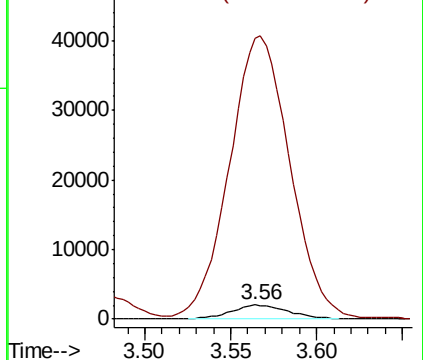
56 100

55 2117.4 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.54 ug/l

RT: 4.41 min Scan# 819

Delta R.T. 0.08 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

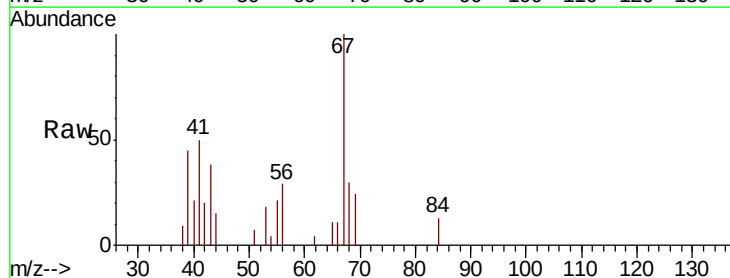
Tgt Ion: 41 Resp: 5622

Ion Ratio Lower Upper

41 100

39 96.0 48.8 73.2#

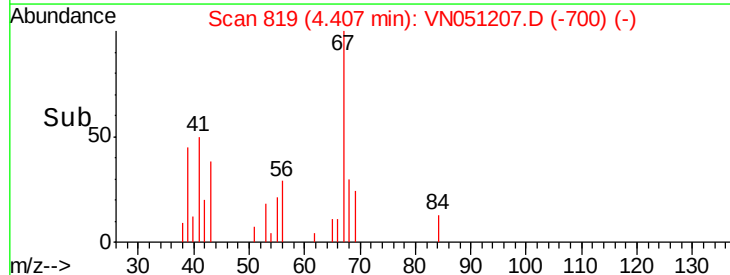
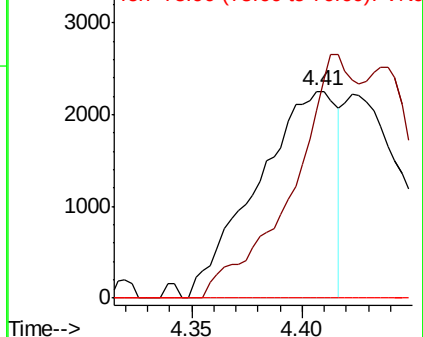
76 0.0 30.6 45.8#

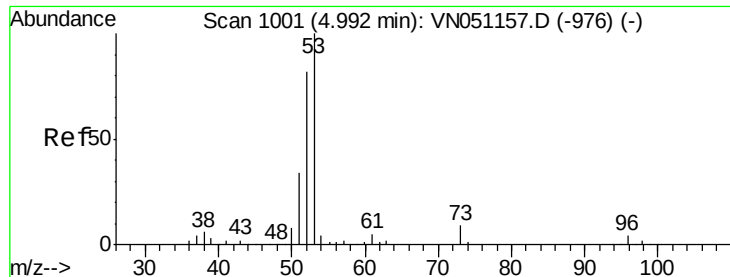


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.66 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

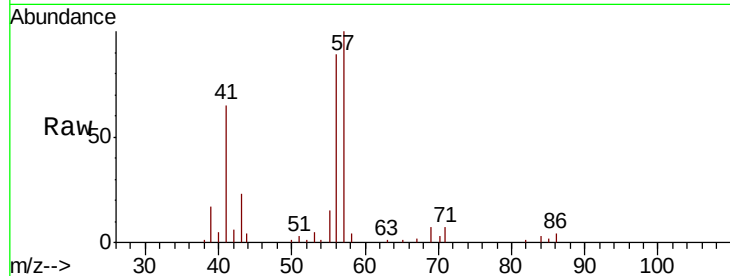
Tot Ion: 53 Resp: 1606

Ion Ratio Lower Upper

53 100

52 24.5 65.3 97.9#

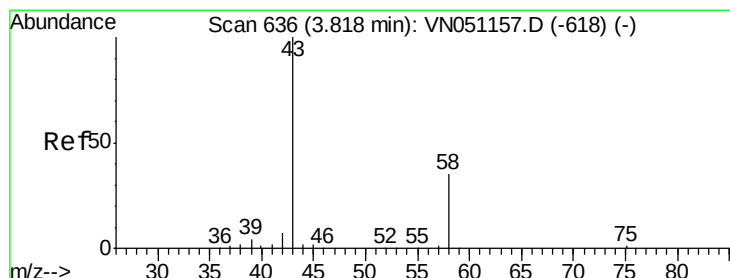
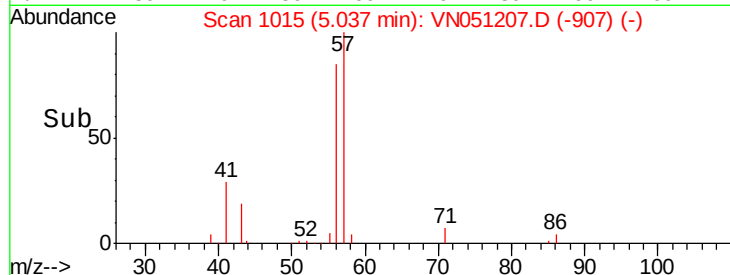
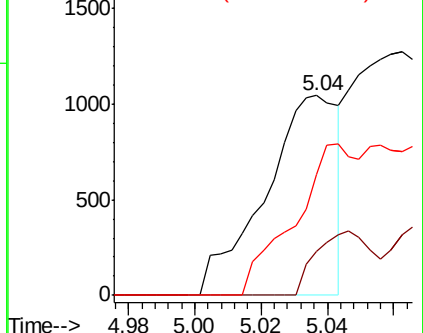
51 66.2 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 21.89 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051207.D

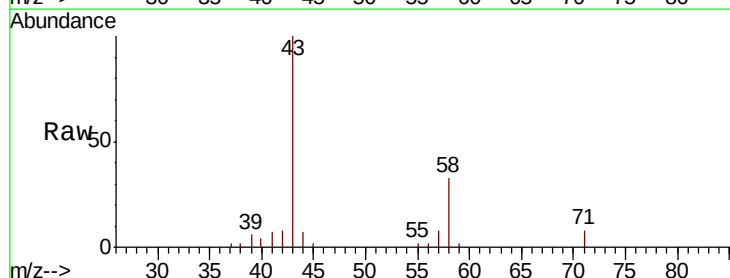
Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 48391

Ion Ratio Lower Upper

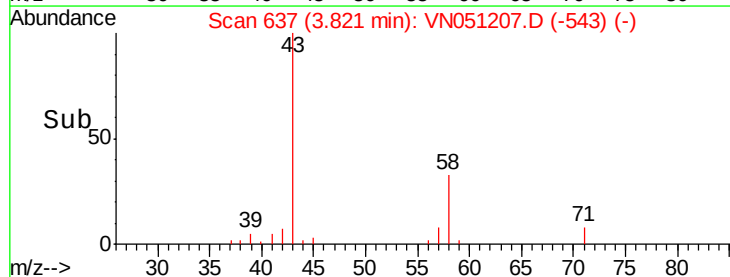
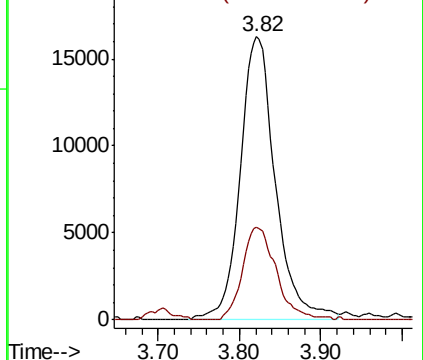
43 100

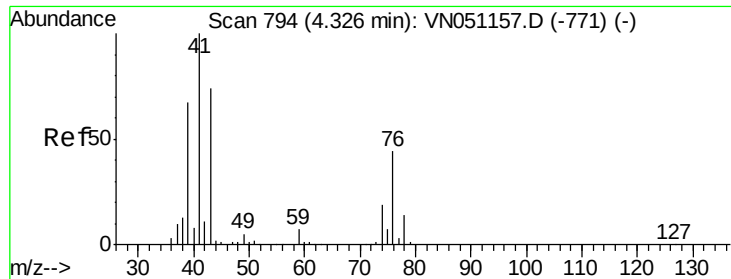
58 31.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

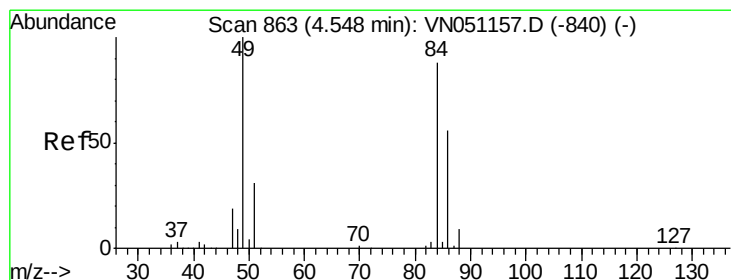
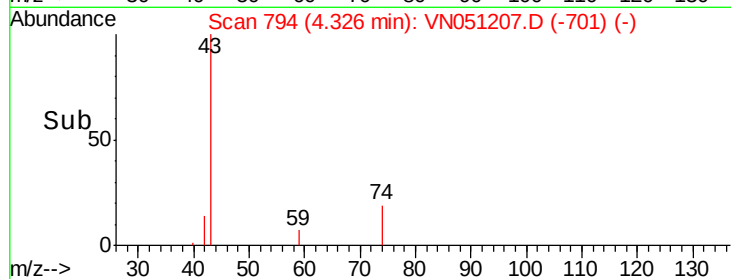
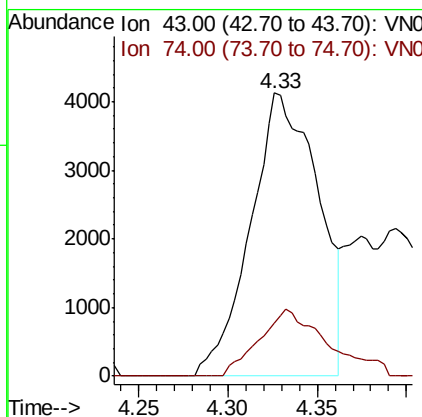
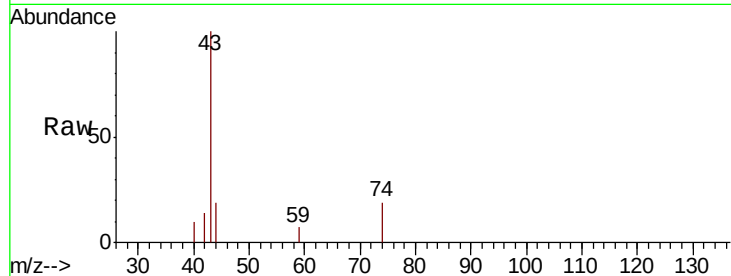




#18
Methvl Acetate
Concen: 1.90 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

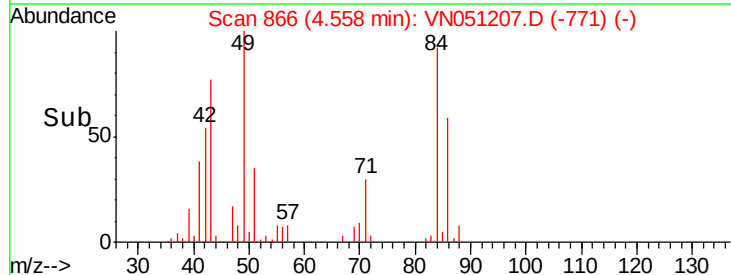
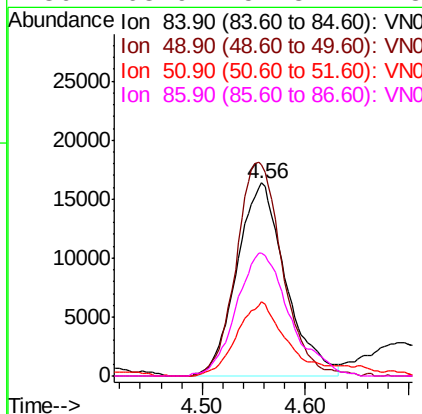
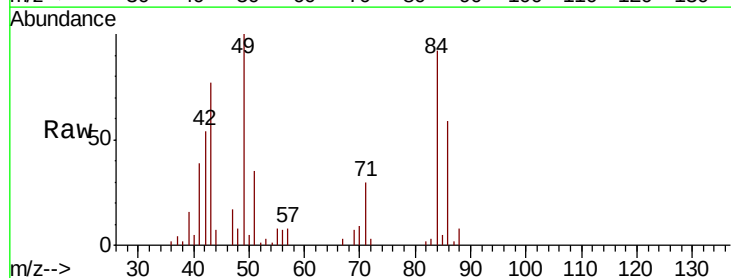
Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

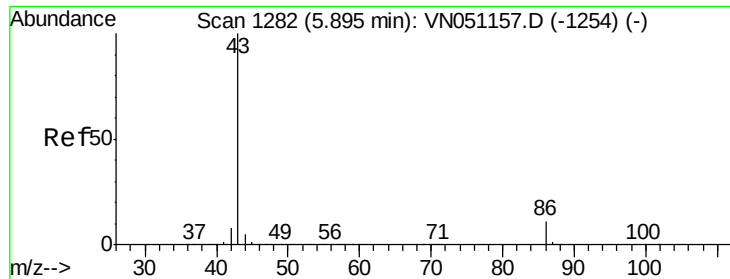
Tot Ion: 43 Resp: 10933
Ion Ratio Lower Upper
43 100
74 23.9 20.7 31.1



#20
Methylene Chloride
Concen: 6.78 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion: 84 Resp: 53837
Ion Ratio Lower Upper
84 100
49 109.1 90.2 135.2
51 38.2 28.4 42.6
86 63.9 51.8 77.8

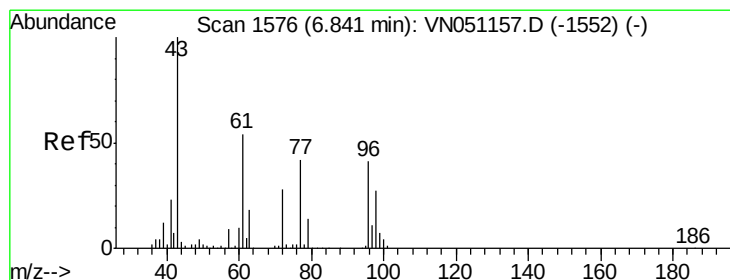
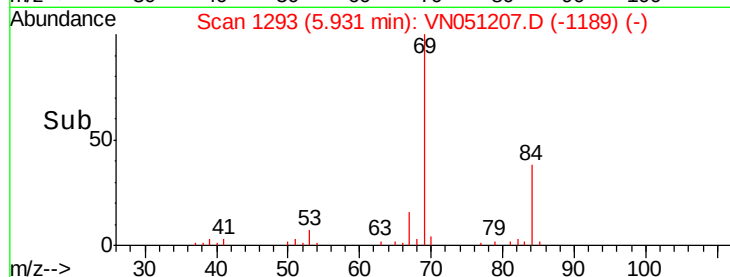
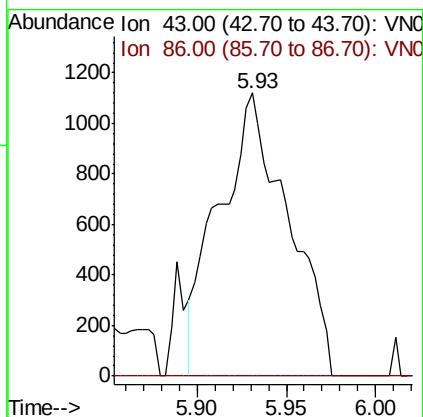
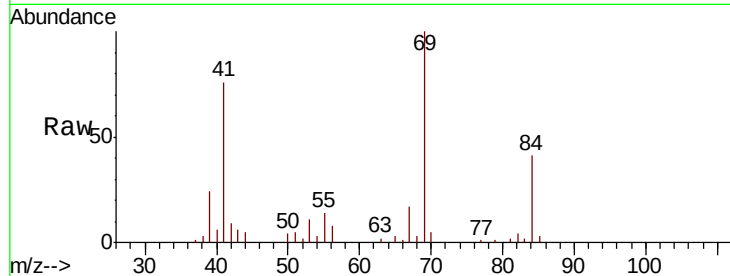




#23
 Vinyl Acetate
 Concen: 0.21 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. 0.04 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

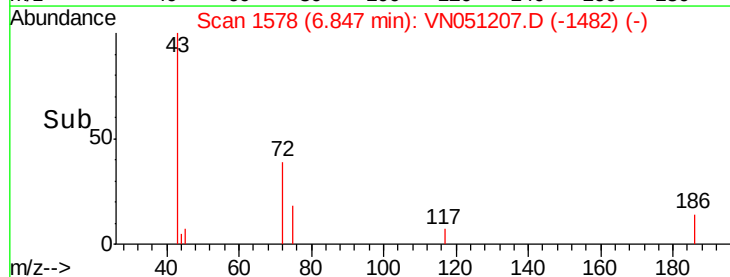
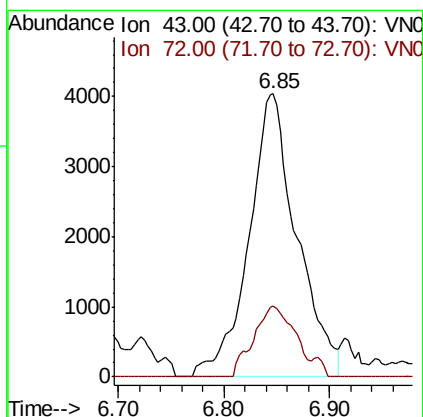
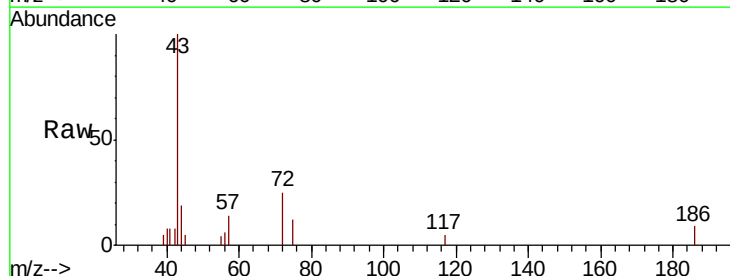
Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

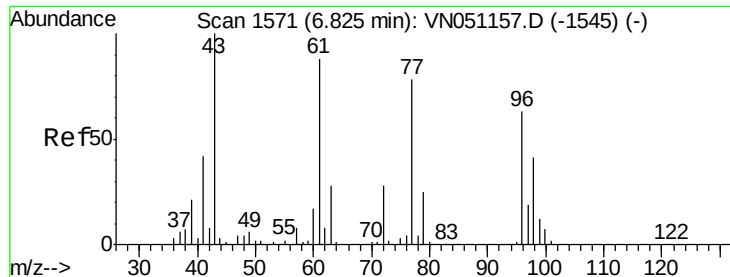
Tot Ion: 43 Resp: 3019
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.2 13.8#



#25
 2-Butanone
 Concen: 4.51 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 12754
 Ion Ratio Lower Upper
 43 100
 72 24.9 23.0 34.6





#26

2,2-Dichloropropane

Concen: 0.66 ug/l

RT: 6.63 min Scan# 1509

Delta R.T. -0.20 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

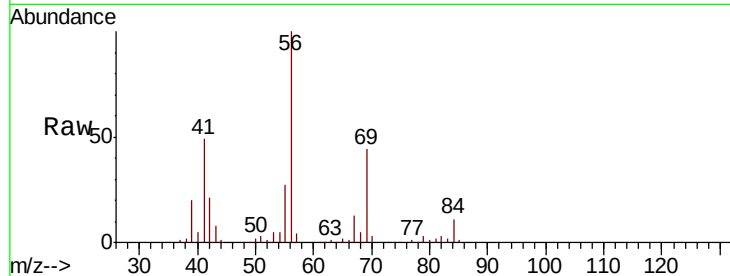
SP-PIT-1

Tot Ion: 77 Resp: 7198

Ion Ratio Lower Upper

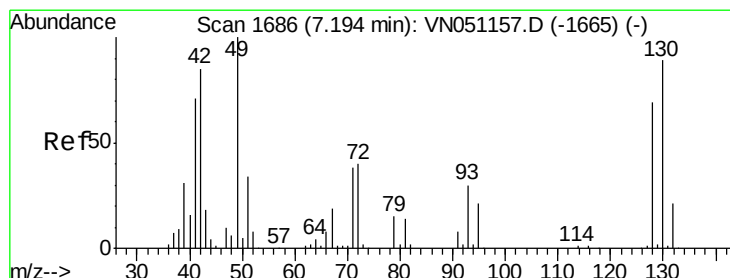
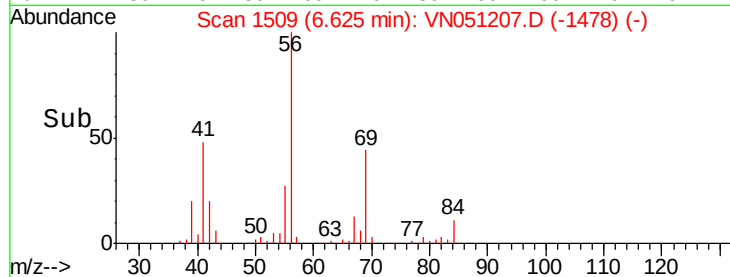
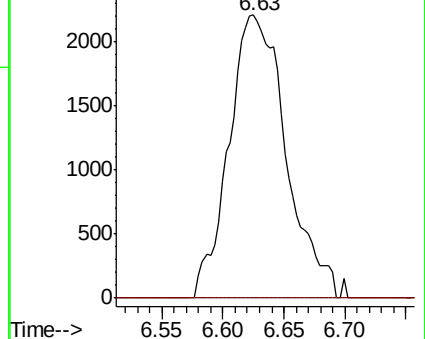
77 100

97 0.0 12.1 36.3#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 7.40 min Scan# 1749

Delta R.T. 0.20 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

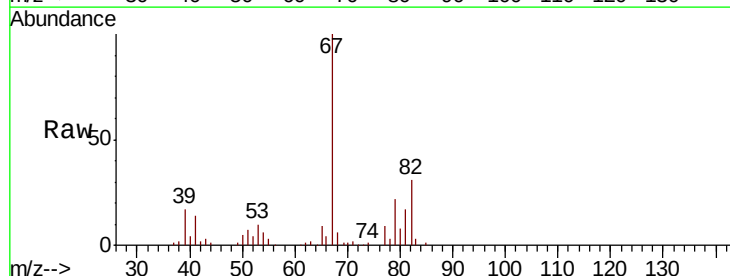
Tgt Ion: 49 Resp: 1420

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

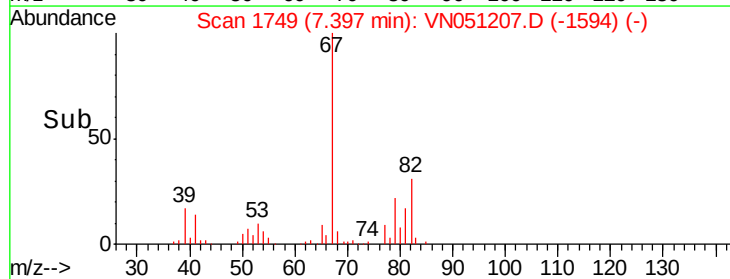
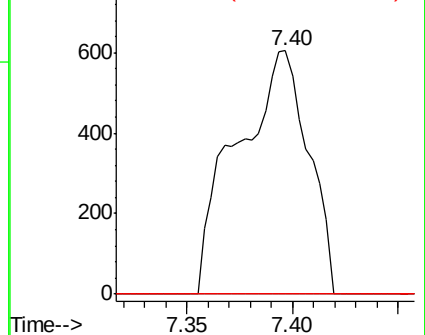
130 0.0 70.7 106.1#

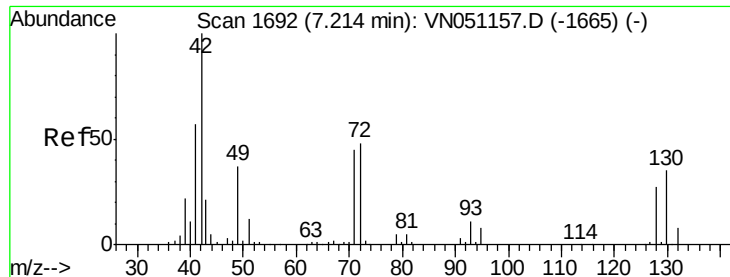


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.09 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

SP-PIT-1

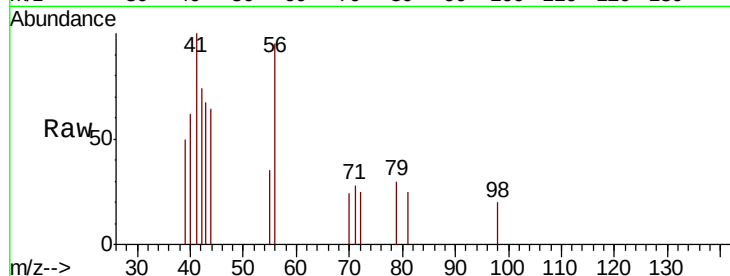
Tot Ion: 42 Resp: 1917

Ion Ratio Lower Upper

42 100

72 25.7 37.4 56.0#

71 16.3 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.22

600

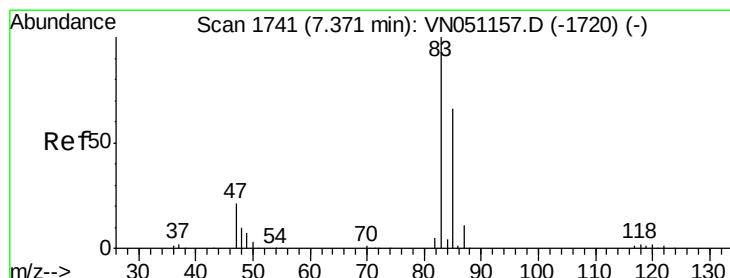
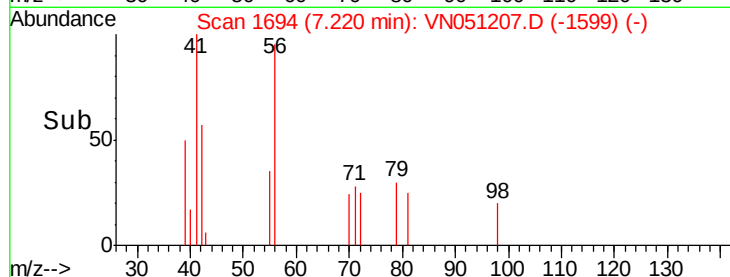
400

200

0

7.15 7.20 7.25

Time-->



#30

Chloroform

Concen: 0.52 ug/l

RT: 7.38 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VN051207.D

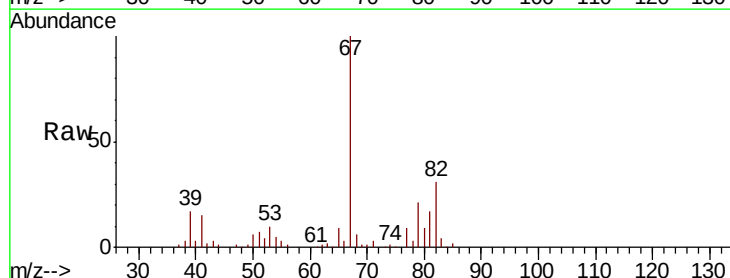
Acq: 14 Sep 2018 22:58

Tgt Ion: 83 Resp: 6794

Ion Ratio Lower Upper

83 100

85 46.3 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

3000

2500

2000

1500

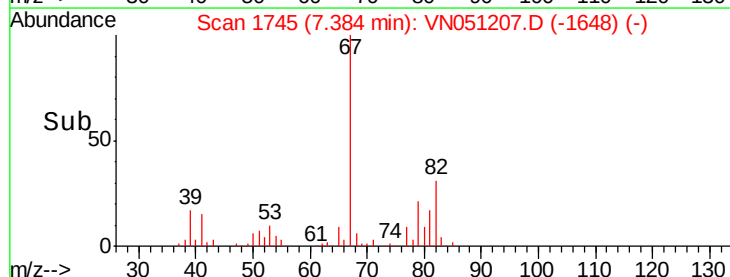
1000

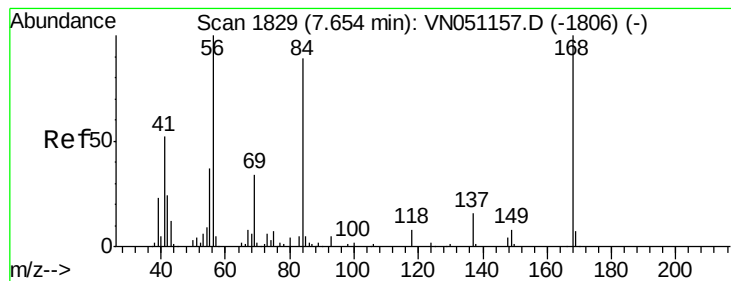
500

0

7.35 7.40 7.45

Time-->





#31

Cyclohexane

Concen: 43.84 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

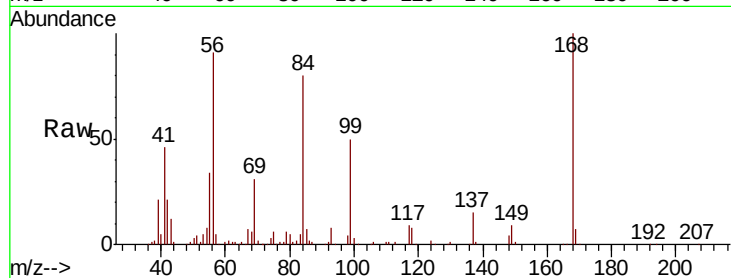
Tot Ion: 56 Resp: 517298

Ion Ratio Lower Upper

56 100

69 33.9 26.3 39.5

84 87.4 69.4 104.0

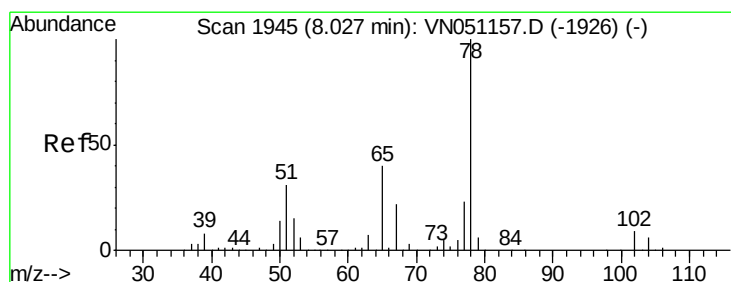
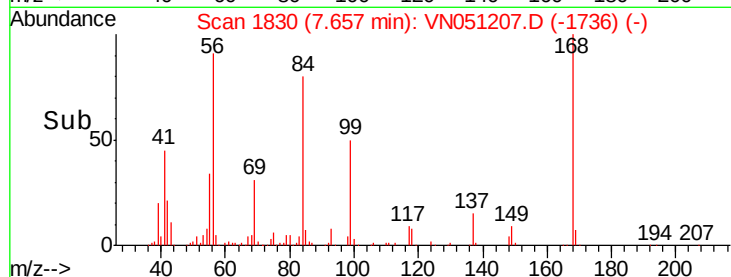
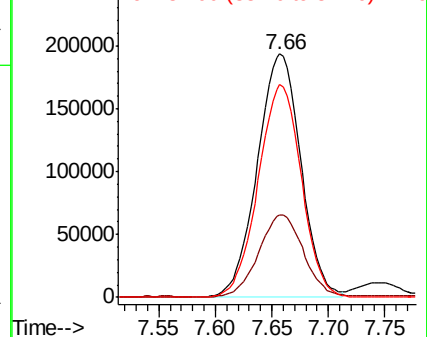


Abundance

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: 46.63 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051207.D

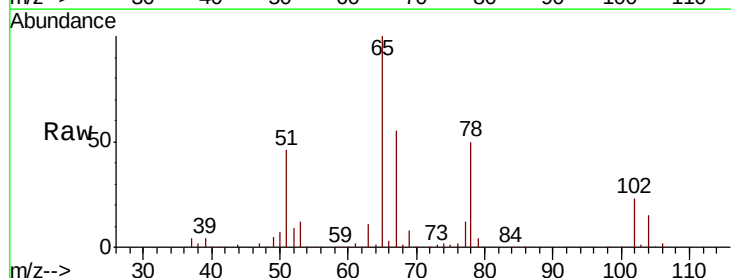
Acq: 14 Sep 2018 22:58

Tgt Ion: 65 Resp: 335325

Ion Ratio Lower Upper

65 100

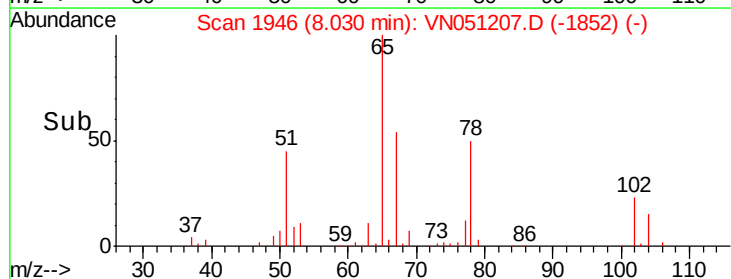
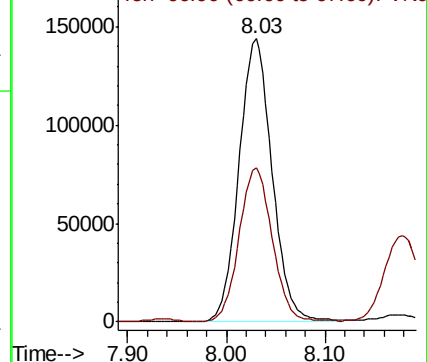
67 54.1 0.0 112.0

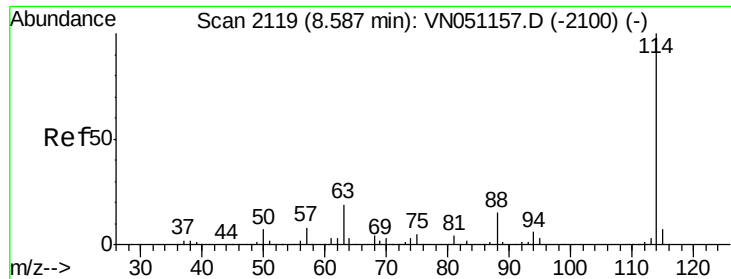


Abundance

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# 2119

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

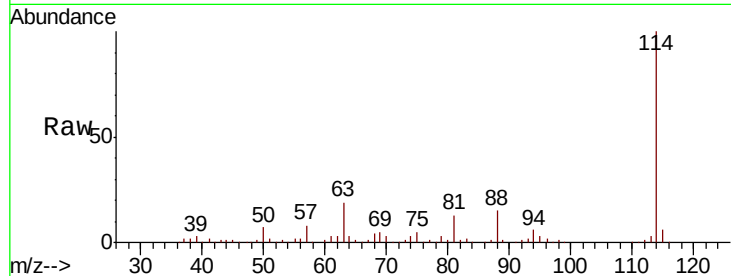
Tot Ion:114 Resp: 900455

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

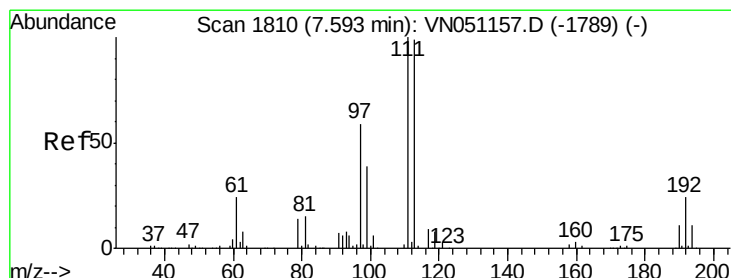
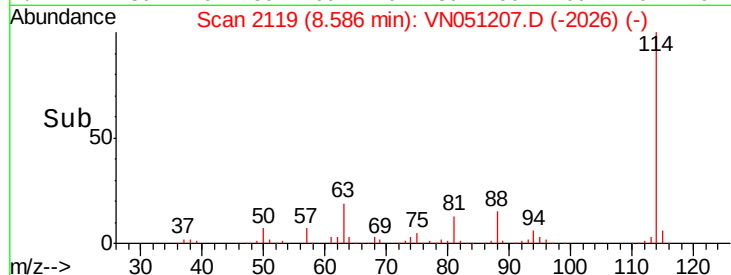
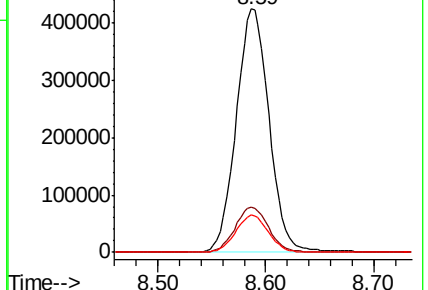
88 15.2 0.0 30.8



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: 49.53 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

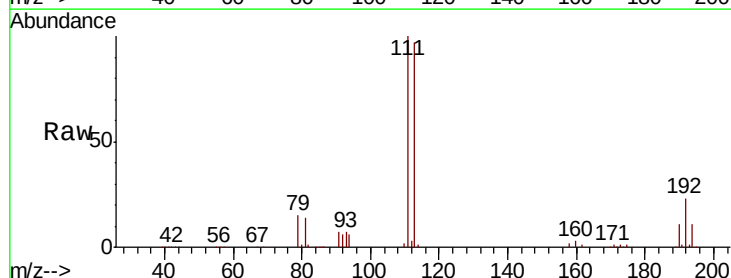
Tgt Ion:113 Resp: 335146

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

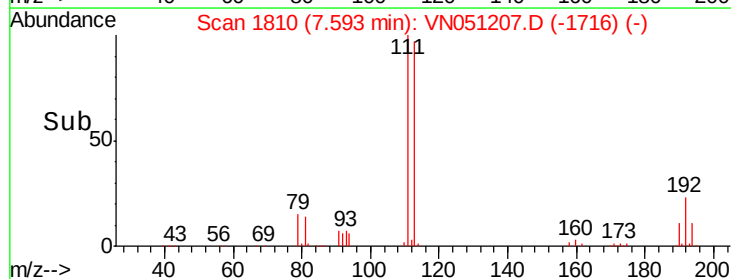
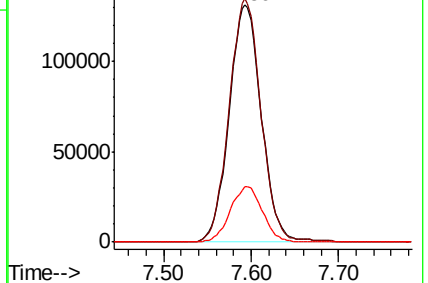
192 23.5 18.7 28.1

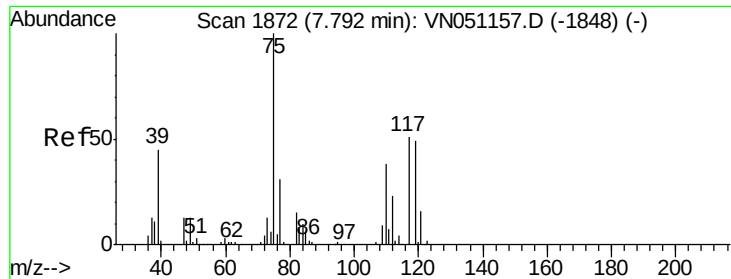


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

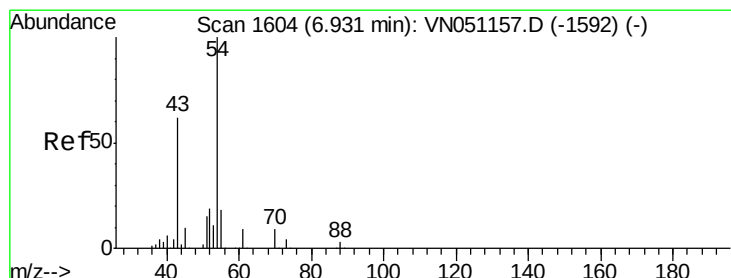
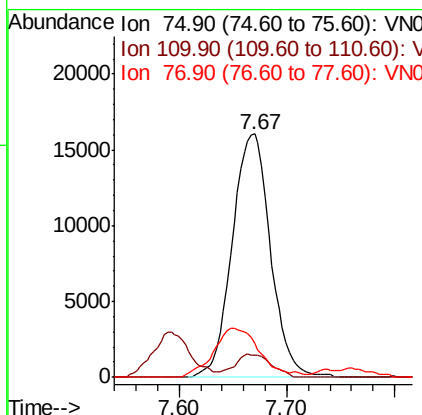
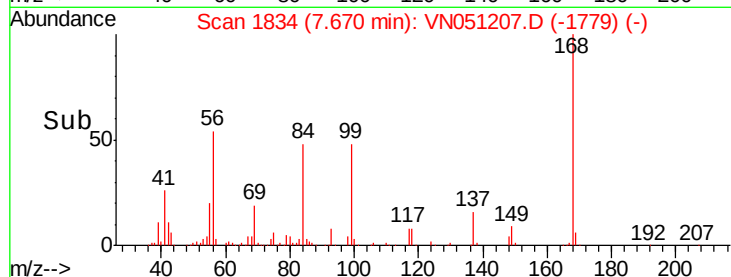
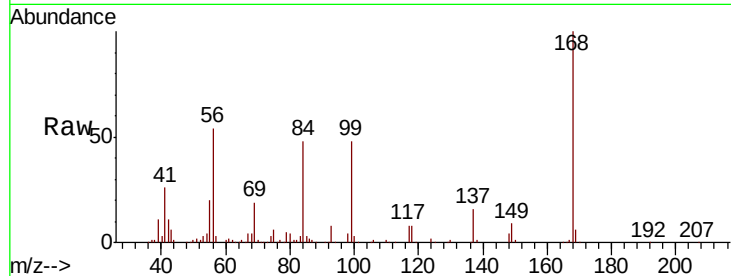




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

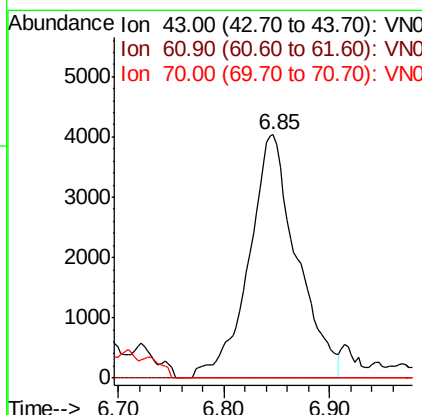
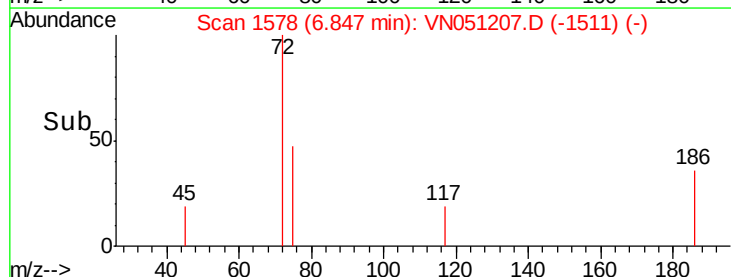
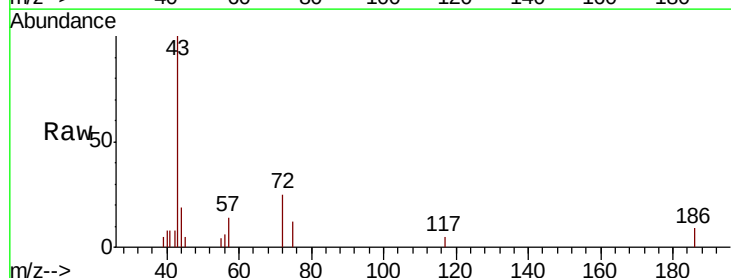
Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

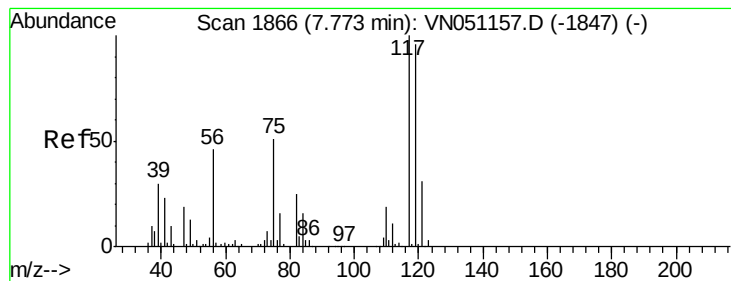
Tot Ion: 75 Resp: 39727
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.6 55.8#
 77 23.8 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 2.23 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.08 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 12754
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.56 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

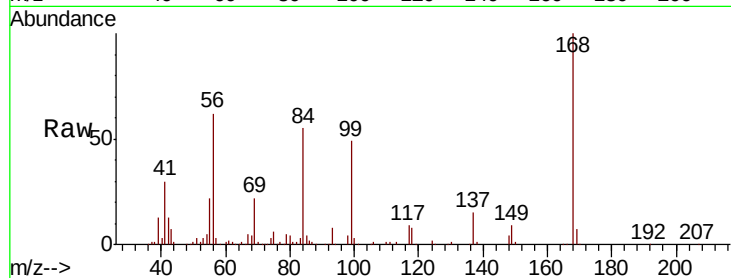
Tot Ion:117 Resp: 54137

Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

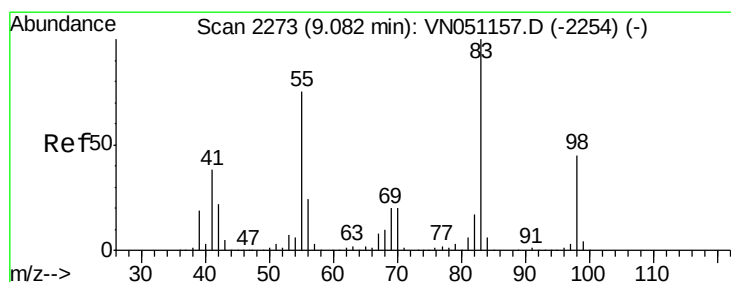
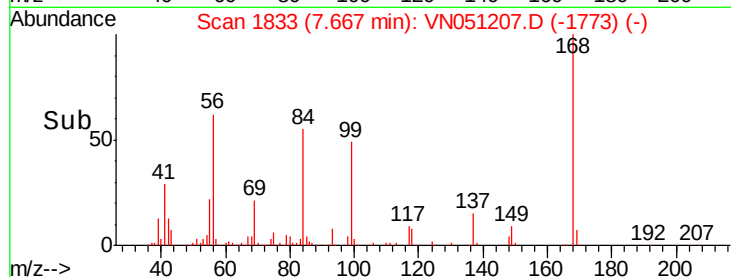
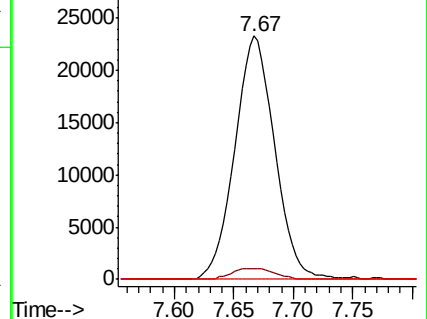
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 62.64 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

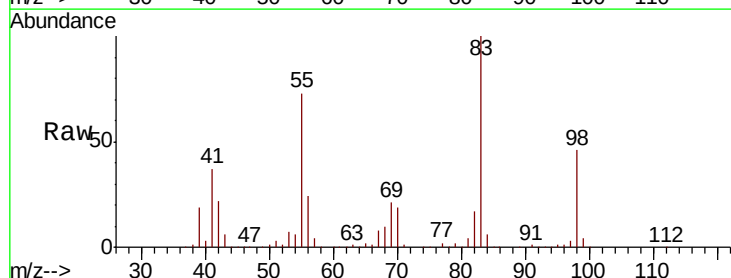
Tgt Ion: 83 Resp: 683251

Ion Ratio Lower Upper

83 100

55 73.1 58.4 87.6

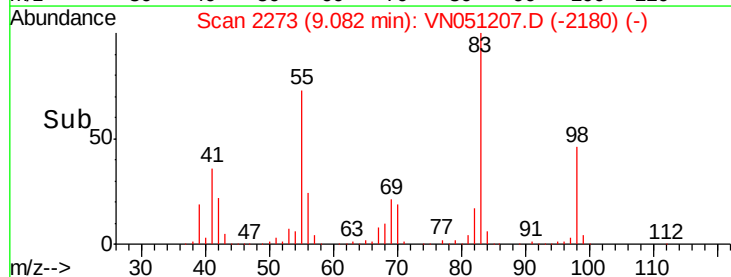
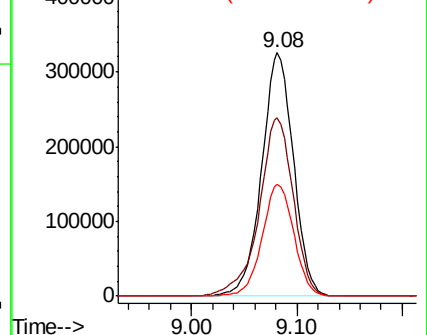
98 46.1 37.3 55.9

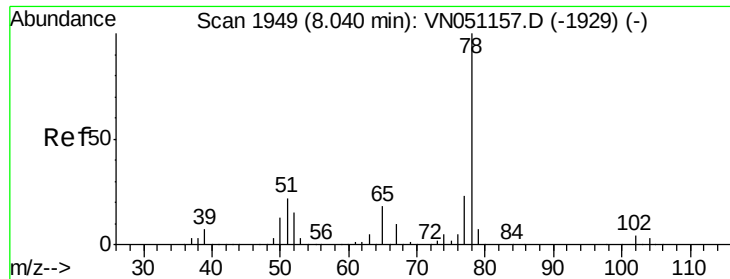


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 8.45 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

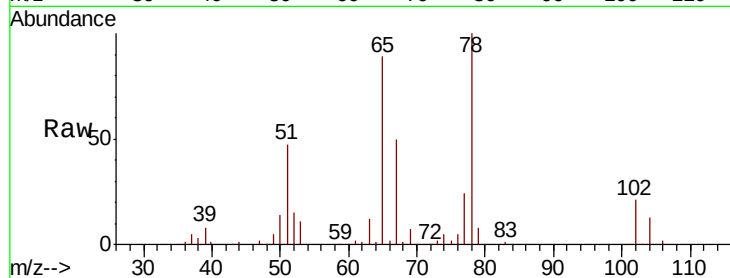
SP-PIT-1

Tot Ion: 78 Resp: 251872

Ion Ratio Lower Upper

78 100

77 24.5 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN051157.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN051157.D (-1929) (-)

8.04

120000

100000

80000

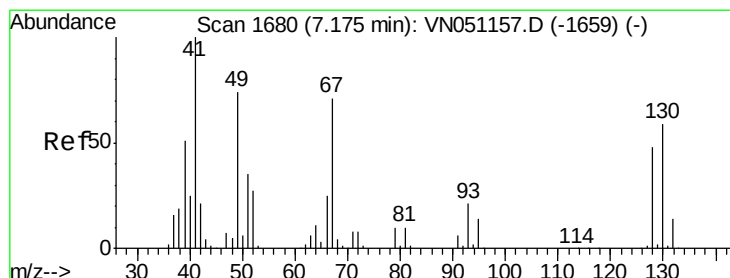
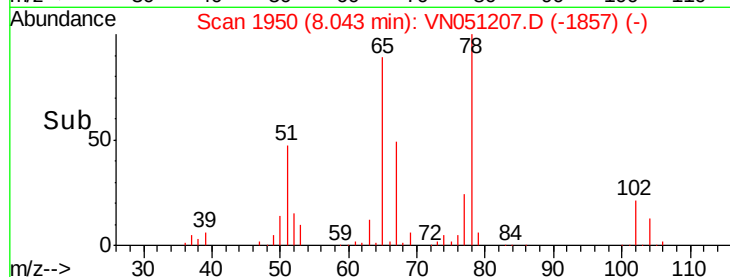
60000

40000

20000

0

Time-->



#41

Methacrylonitrile

Concen: 1.03 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.04 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Tgt Ion: 41 Resp: 3035

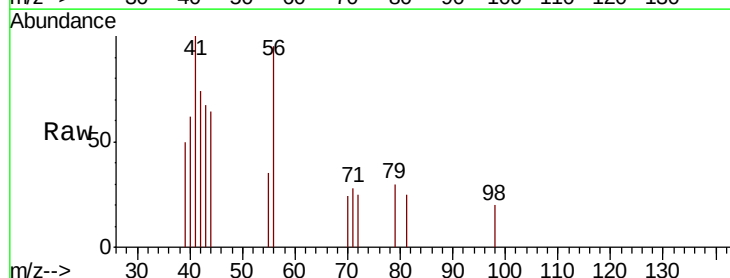
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.5 117.7#

52 0.0 29.0 43.6#



Abundance Ion 41.00 (40.70 to 41.70): VN051157.D (-1659) (-)

Ion 39.00 (38.70 to 39.70): VN051157.D (-1659) (-)

Ion 67.00 (66.70 to 67.70): VN051157.D (-1659) (-)

Ion 52.00 (51.70 to 52.70): VN051157.D (-1659) (-)

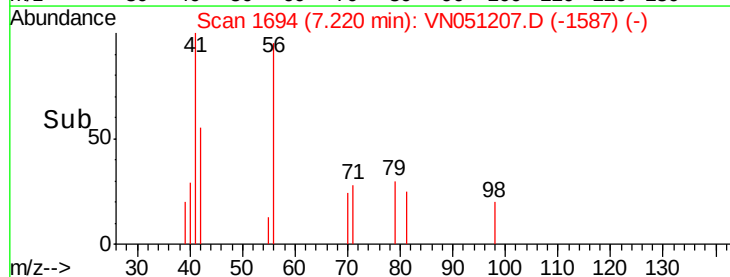
1500

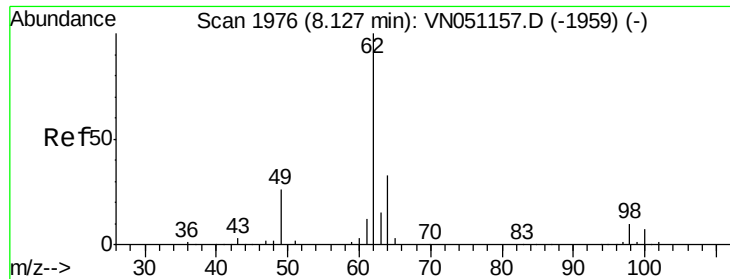
1000

500

0

Time-->

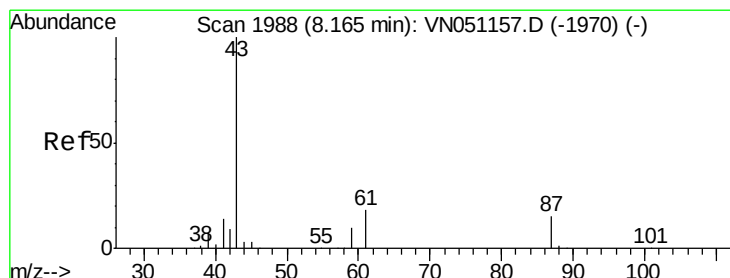
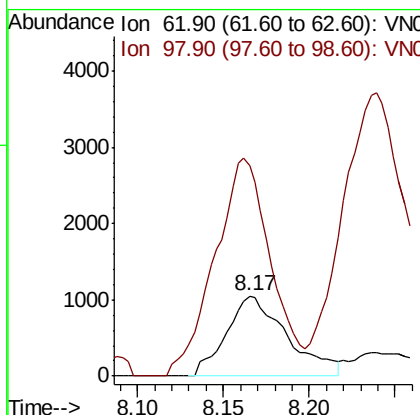
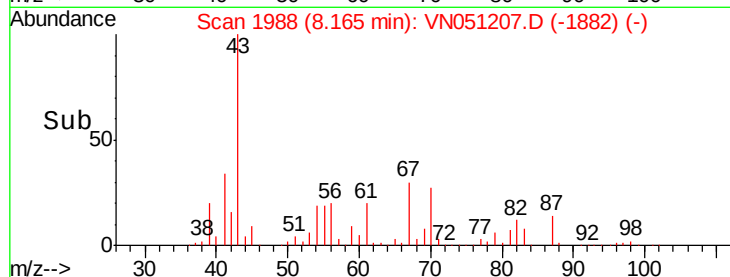
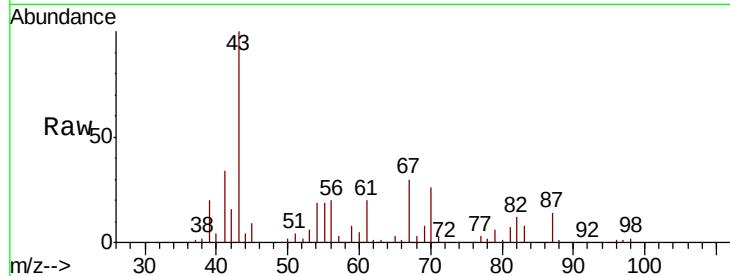




#42
 1,2-Dichloroethane
 Concen: 0.30 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.04 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

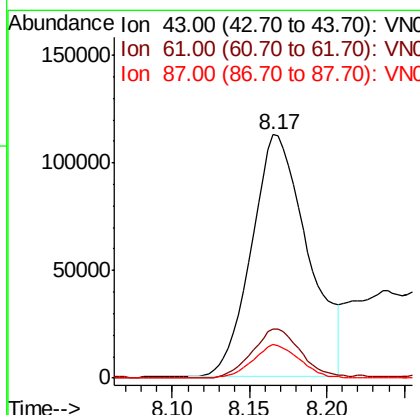
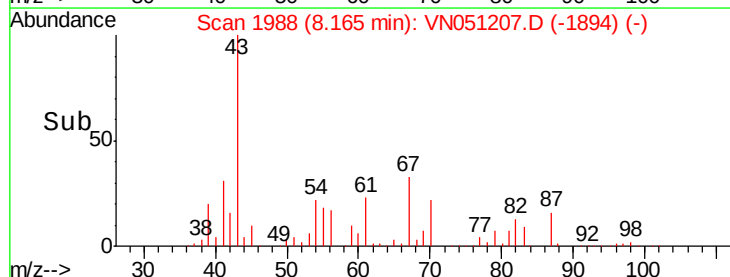
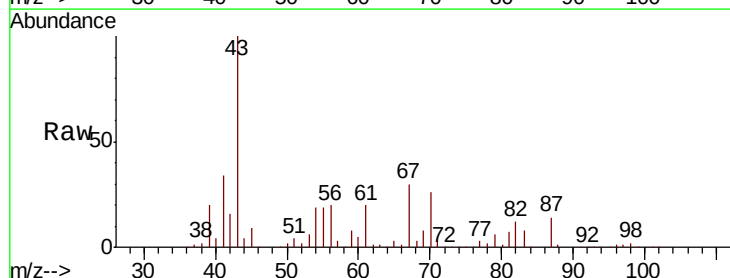
Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

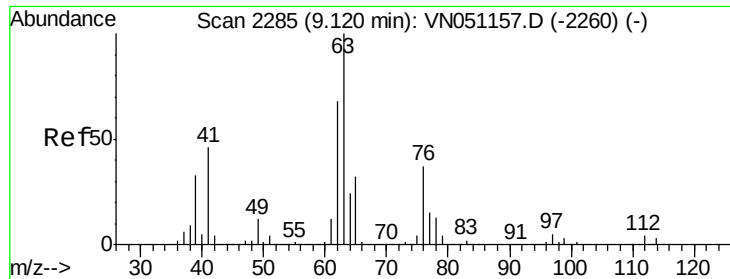
Tot Ion: 62 Resp: 2581
 Ion Ratio Lower Upper
 62 100
 98 250.8 0.0 21.0#



#43
 Isopropyl Acetate
 Concen: 28.25 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 285401
 Ion Ratio Lower Upper
 43 100
 61 17.6 25.0 37.6#
 87 11.6 11.8 17.8#

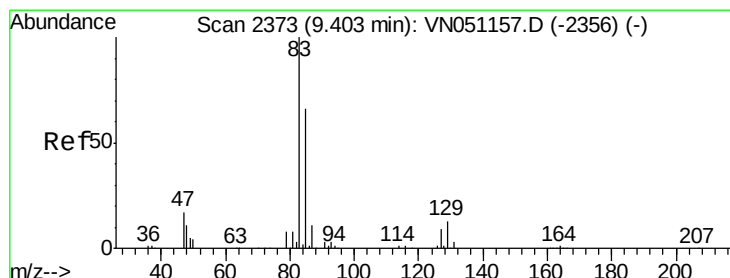
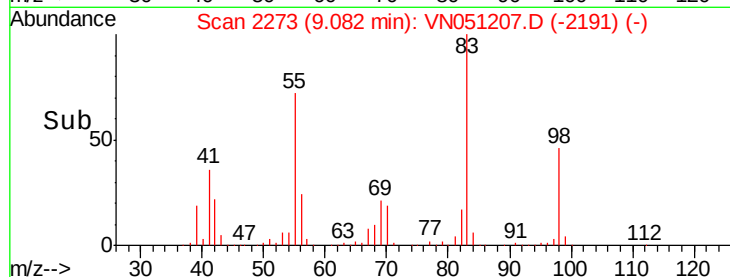
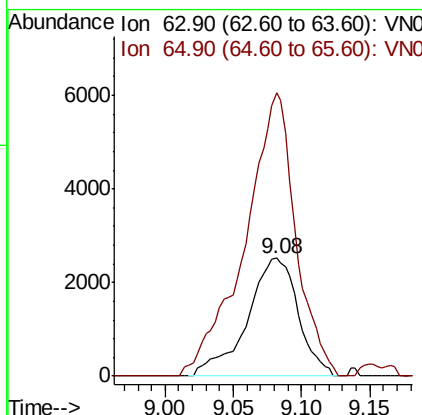
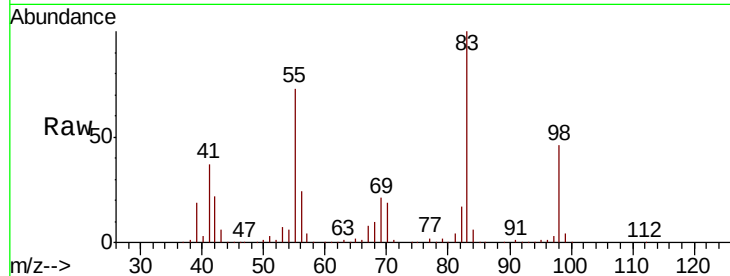




#45
 1,2-Dichloropropane
 Concen: 0.85 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.04 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

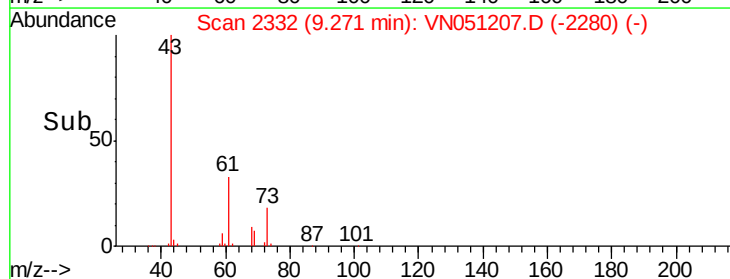
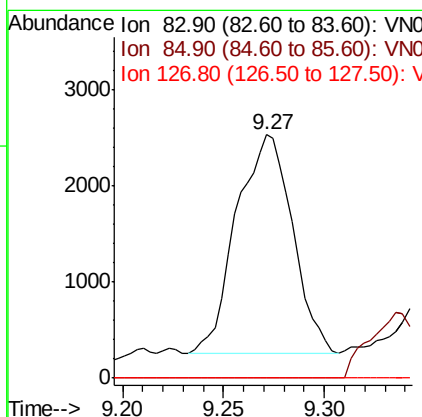
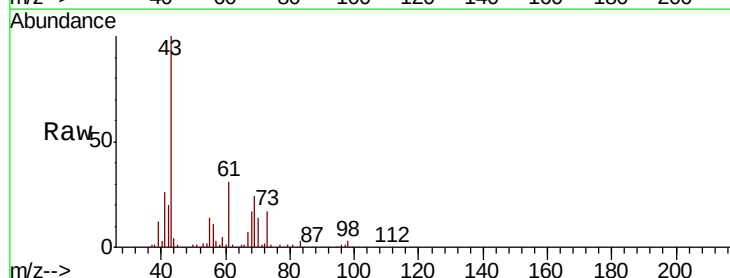
Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

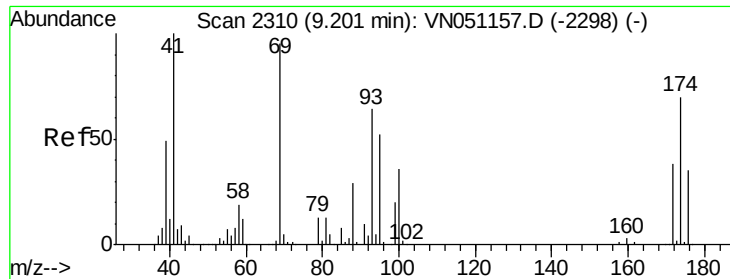
Tot Ion: 63 Resp: 6526
 Ion Ratio Lower Upper
 63 100
 65 239.6 24.7 37.1#



#47
 Bromodichloromethane
 Concen: 0.47 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. -0.13 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 83 Resp: 4441
 Ion Ratio Lower Upper
 83 100
 85 0.0 52.3 78.5#
 127 0.0 7.5 11.3#

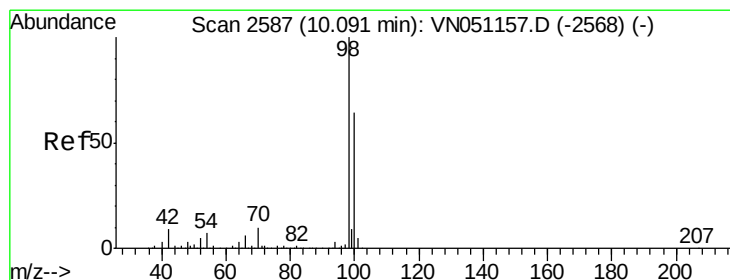
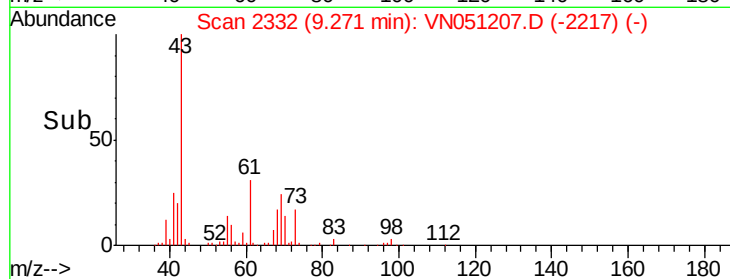
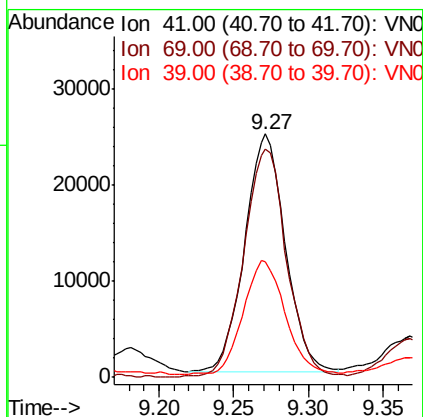
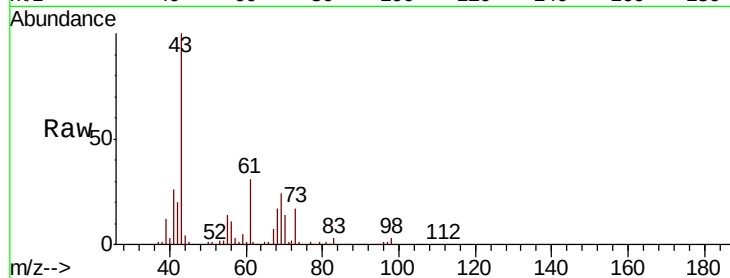




#48
Methvl methacrylate
Concen: 9.43 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

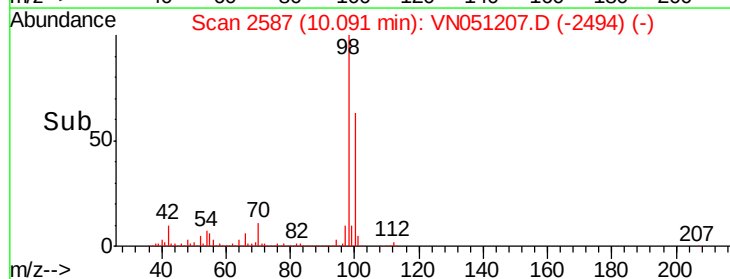
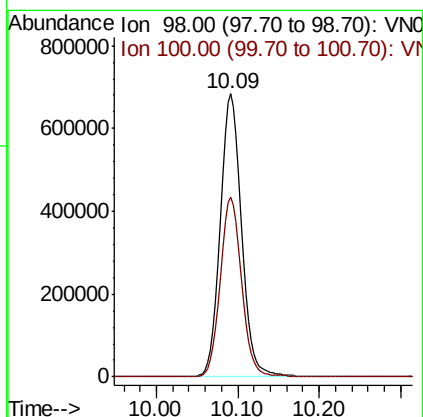
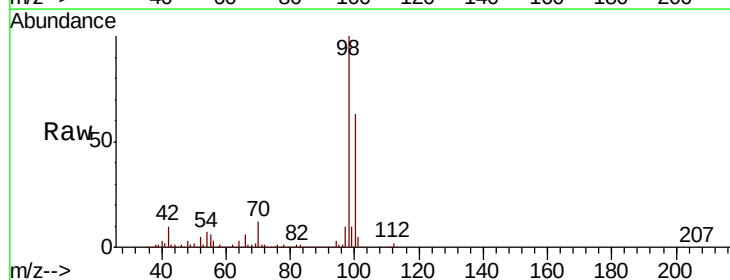
Instrument :
MSVOA_N
ClientSampleId :
SP-PIT-1

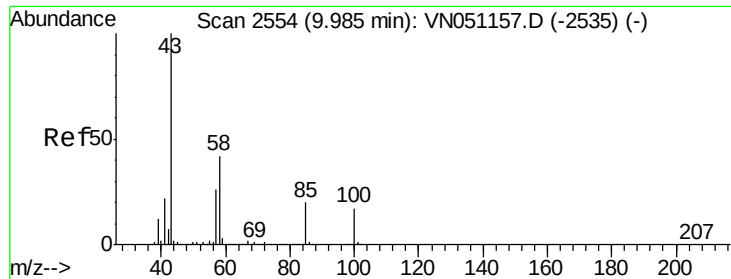
Tot Ion: 41 Resp: 46438
Ion Ratio Lower Upper
41 100
69 103.1 77.7 116.5
39 50.2 41.6 62.4



#50
Toluene-d8
Concen: 49.38 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion: 98 Resp: 1267979
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

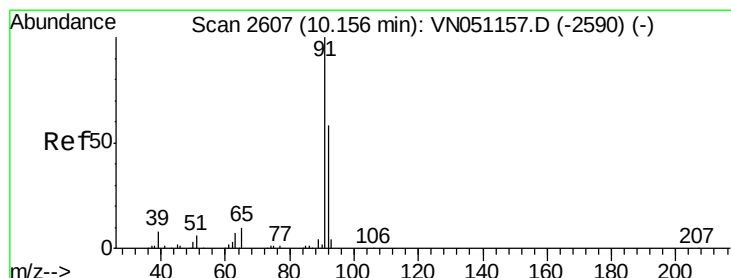
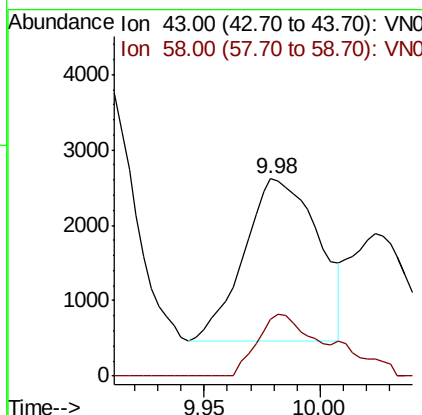
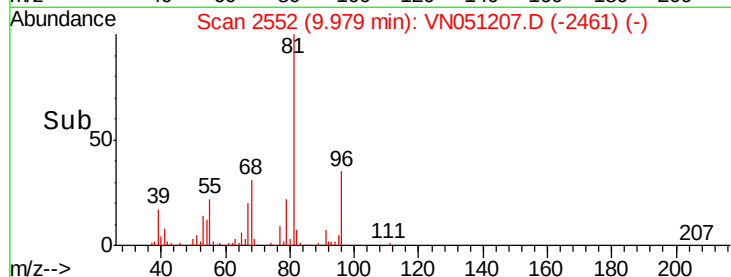
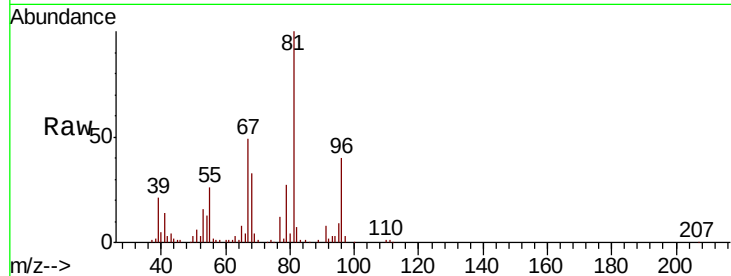




#51
 4-Methyl-2-Pentanone
 Concen: 0.86 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

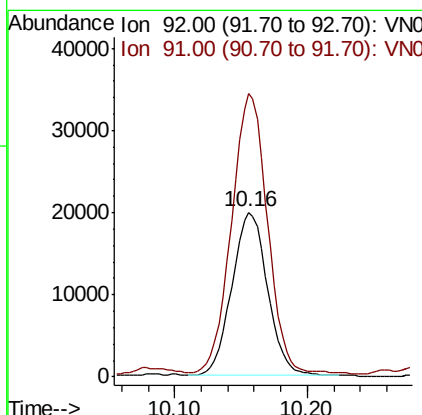
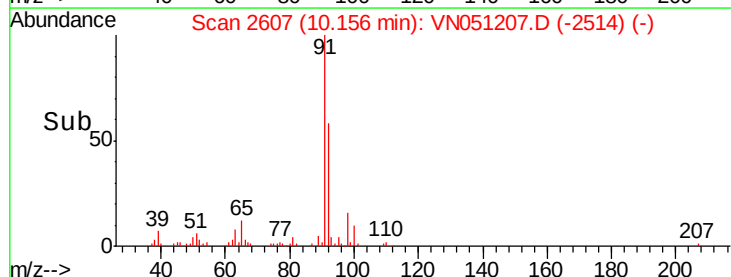
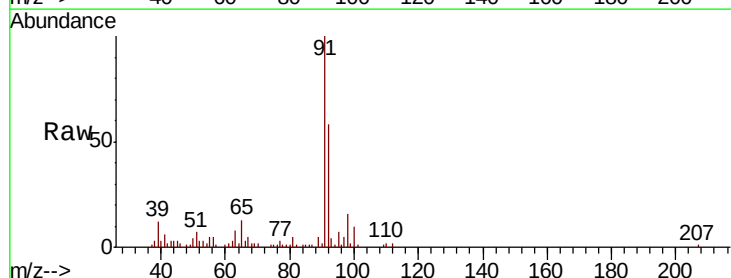
Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

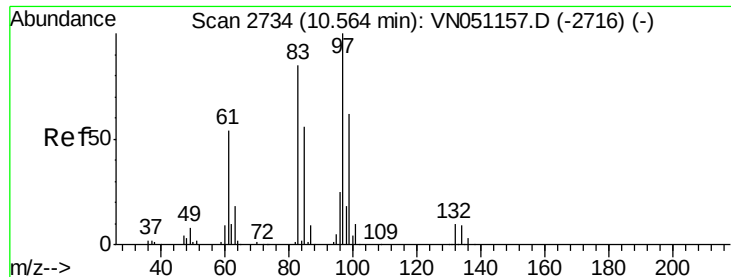
Tot Ion: 43 Resp: 4790
 Ion Ratio Lower Upper
 43 100
 58 37.6 33.5 50.3



#52
 Toluene
 Concen: 2.05 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 92 Resp: 37180
 Ion Ratio Lower Upper
 92 100
 91 170.3 139.5 209.3





#55

1,1,2-Trichloroethane

Concen: 6.27 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

Tot Ion: 97 Resp: 41359

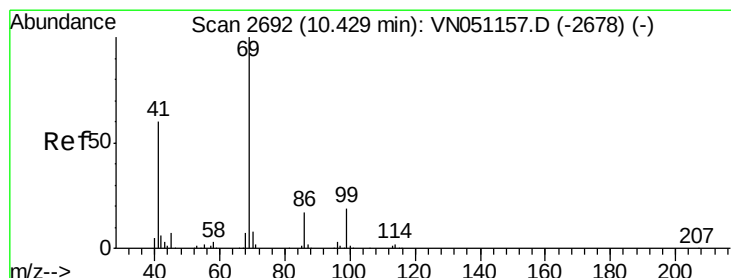
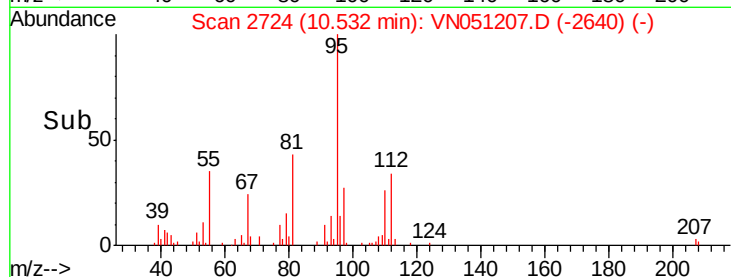
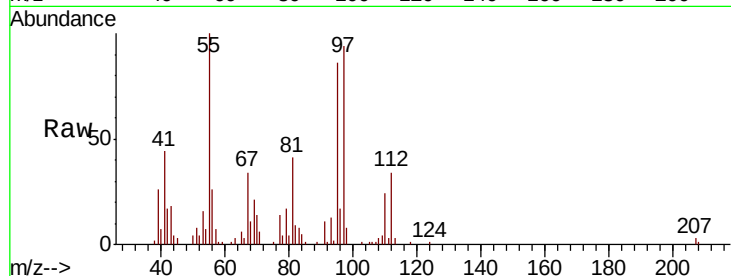
Ion Ratio Lower Upper

97 100

83 8.5 68.2 102.2#

85 0.8 44.8 67.2#

99 0.0 50.2 75.4#



#56

Ethyl methacrylate

Concen: 4.52 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

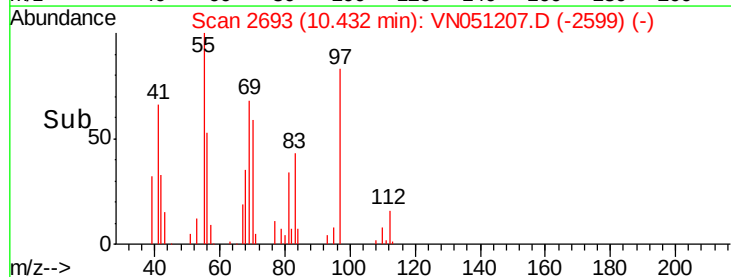
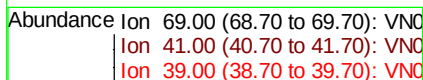
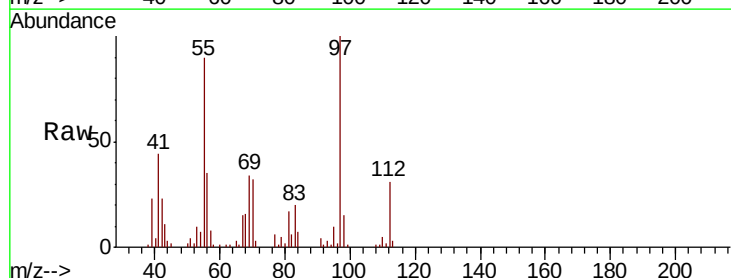
Tgt Ion: 69 Resp: 19216

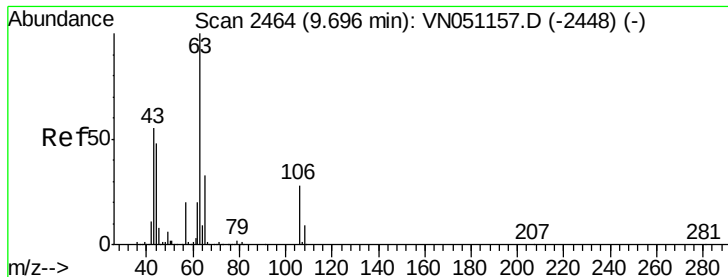
Ion Ratio Lower Upper

69 100

41 126.5 47.8 71.8#

39 60.8 23.0 34.4#

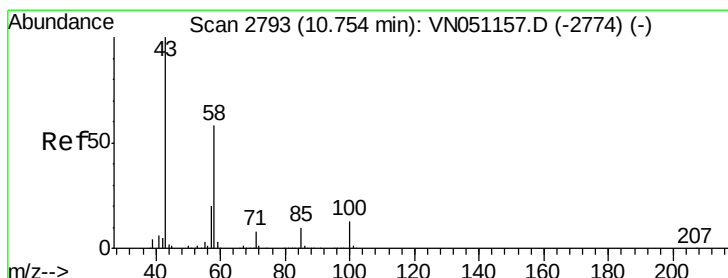
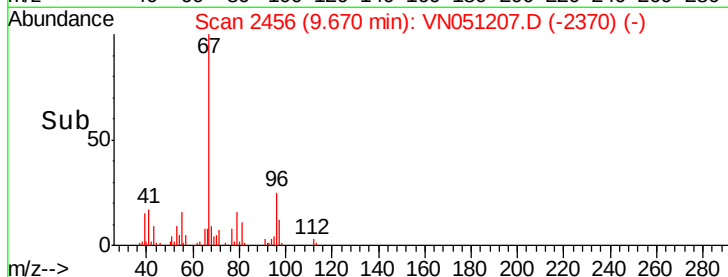
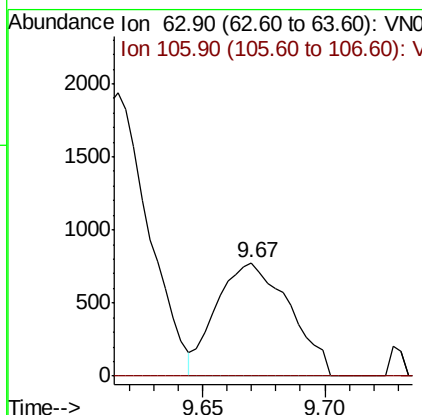
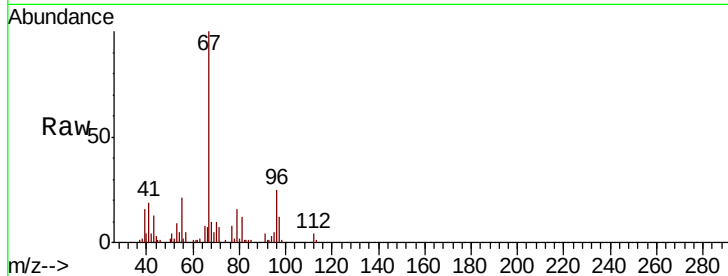




#58
 2-Chloroethyl Vinyl ether
 Concen: 15.63 ug/l
 RT: 9.67 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

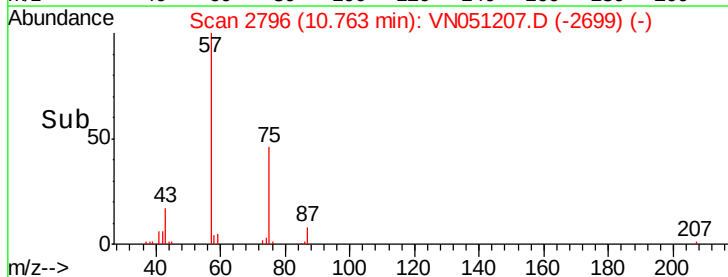
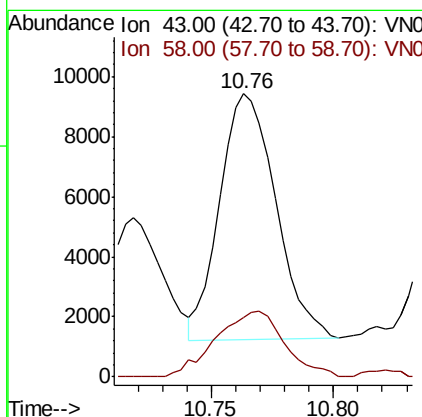
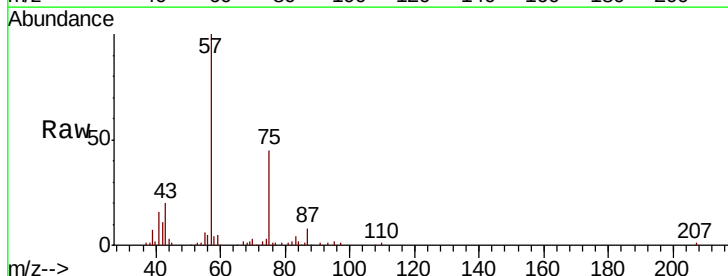
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-PIT-1

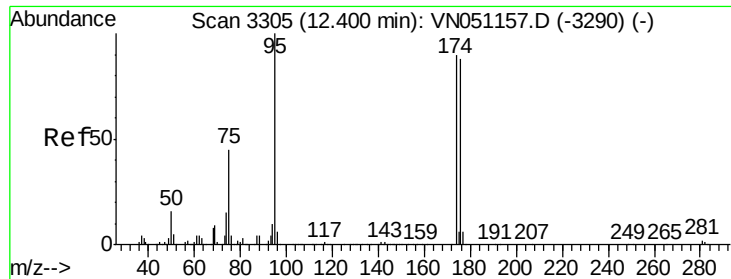
Tot Ion: 63 Resp: 1615
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.5 33.7#



#59
 2-Hexanone
 Concen: 3.46 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion: 43 Resp: 13110
 Ion Ratio Lower Upper
 43 100
 58 32.5 29.3 88.0





#62

4-Bromofluorobenzene

Concen: 44.44 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

SP-PIT-1

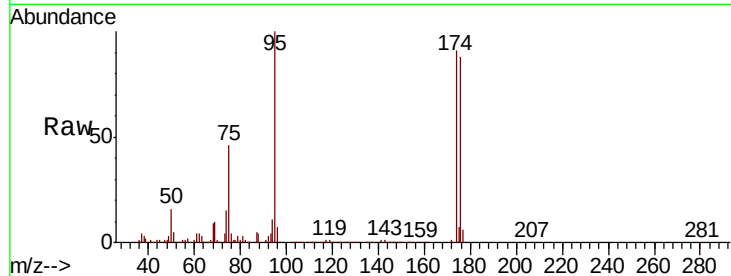
Tot Ion: 95 Resp: 377458

Ion Ratio Lower Upper

95 100

174 93.4 0.0 184.8

176 89.2 0.0 178.6



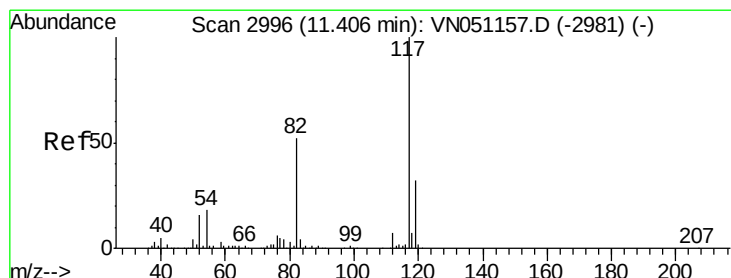
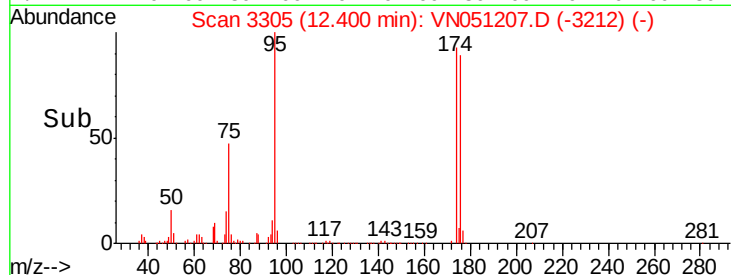
Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

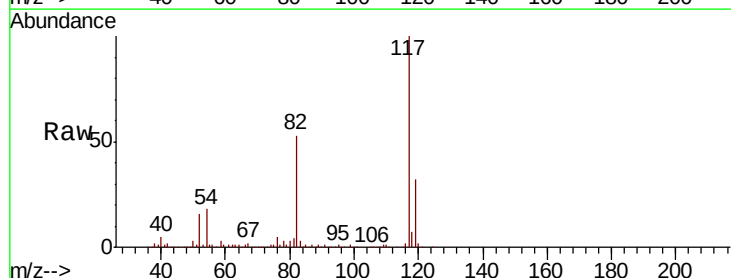
Tgt Ion: 117 Resp: 775448

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.6

119 32.5 26.2 39.2



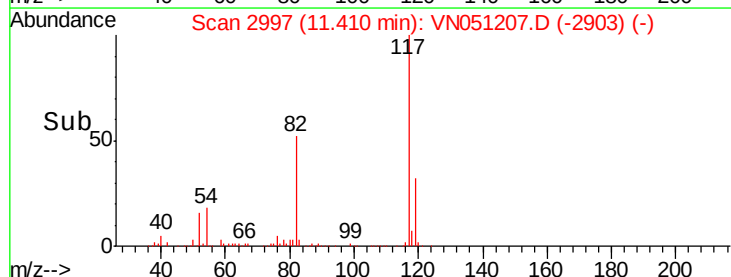
Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

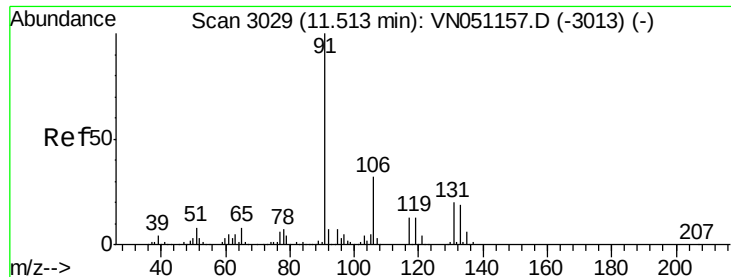
Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)

11.41

Time-->

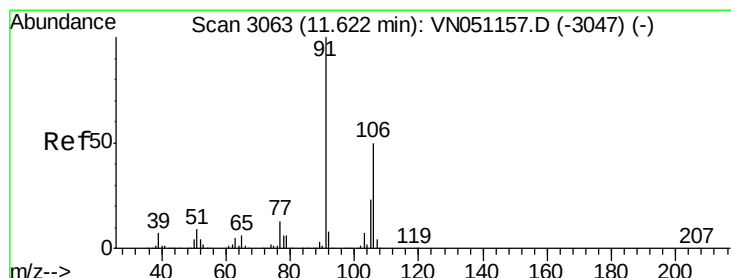
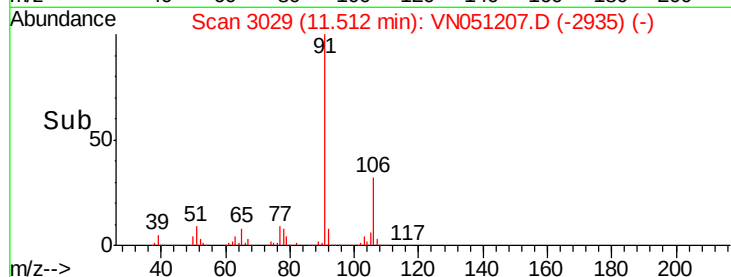
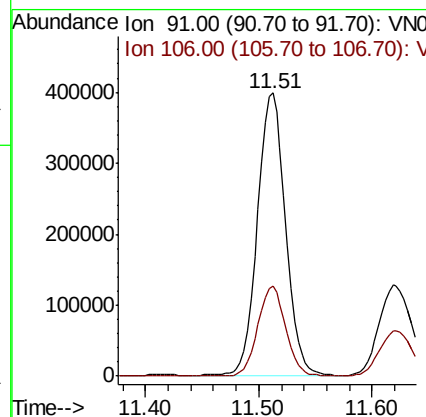
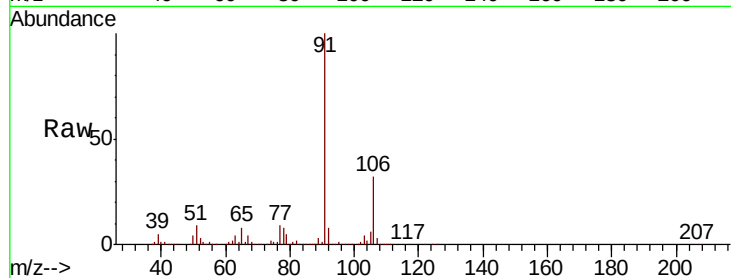




#67
Ethyl Benzene
Concen: 21.71 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

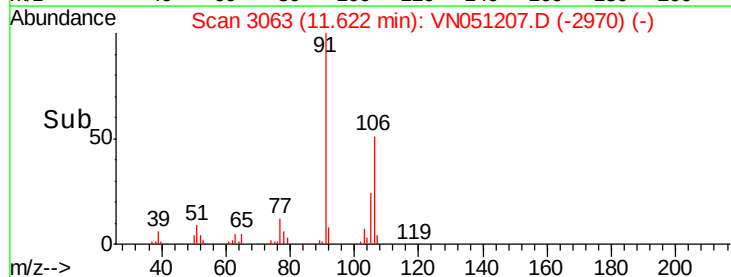
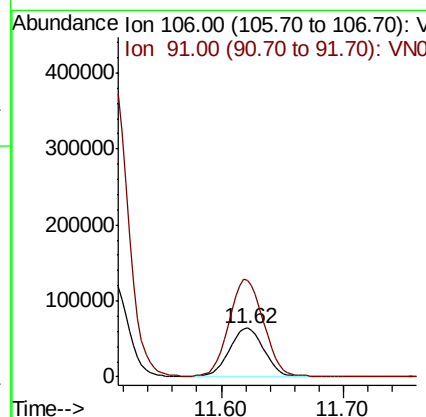
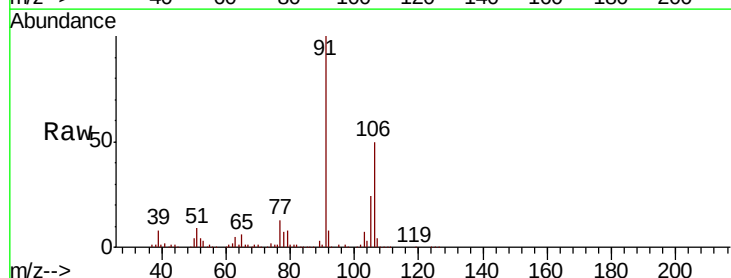
Instrument :
MSVOA_N
ClientSampled :
SP-PIT-1

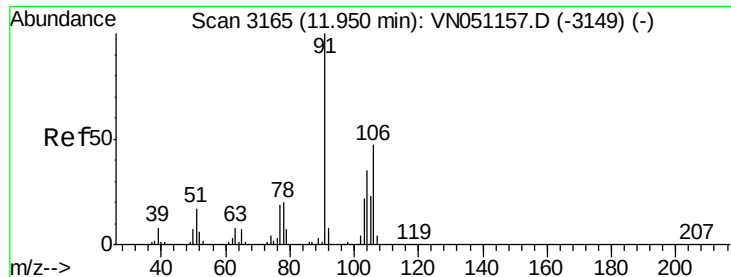
Tot Ion: 91 Resp: 687233
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 10.53 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion: 106 Resp: 128114
Ion Ratio Lower Upper
106 100
91 196.9 159.8 239.6

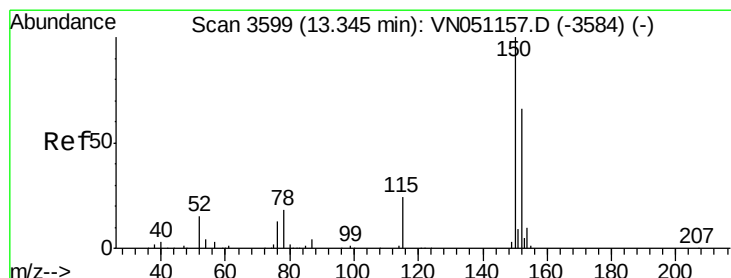
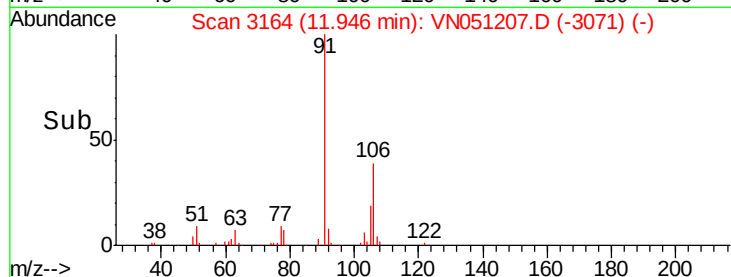
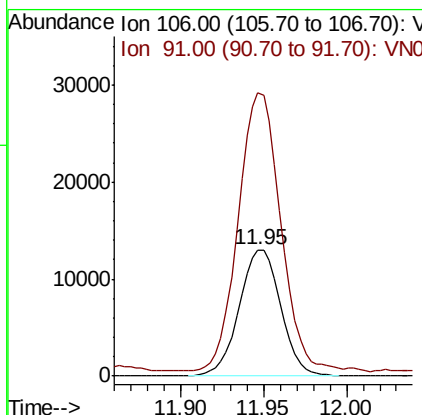
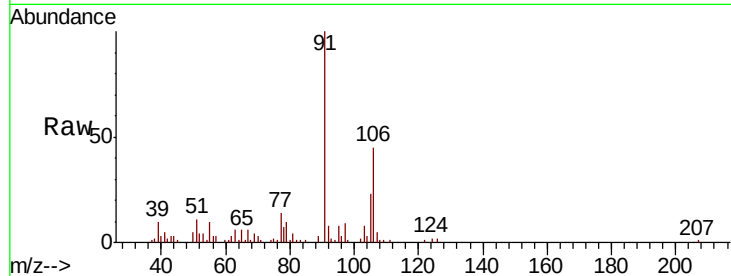




#69
o-Xylene
Concen: 1.93 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

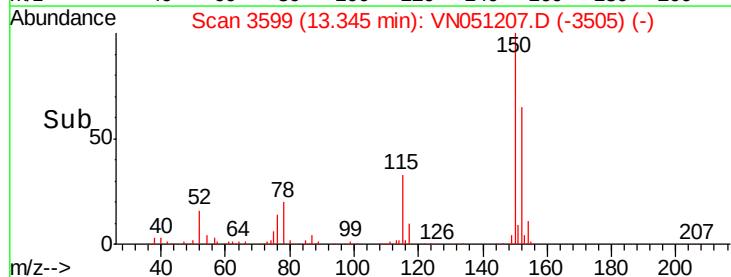
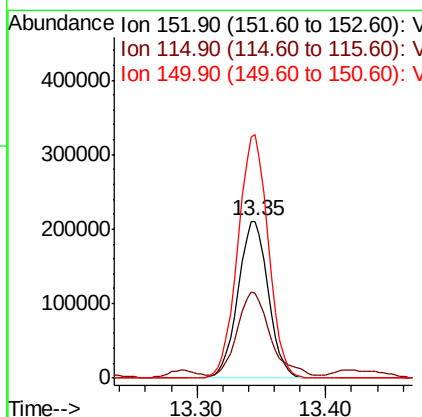
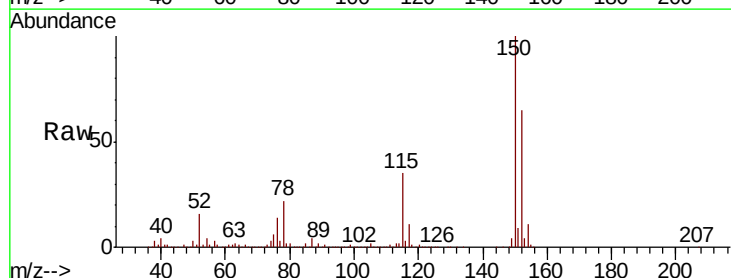
Instrument :
MSVOA_N
ClientSampleId :
SP-PIT-1

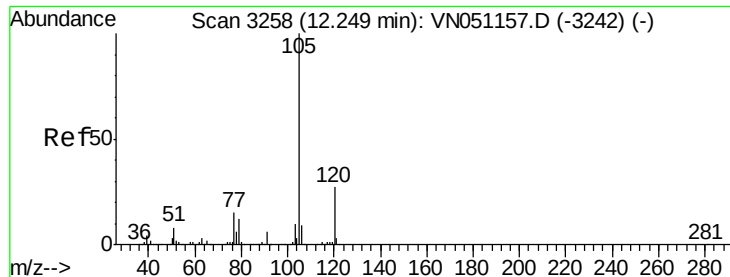
Tot Ion:106 Resp: 22737
Ion Ratio Lower Upper
106 100
91 225.0 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt Ion:152 Resp: 342123
Ion Ratio Lower Upper
152 100
115 60.6 28.2 84.7
150 156.1 0.0 349.0





#73

Isopropylbenzene

Concen: 29.01 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

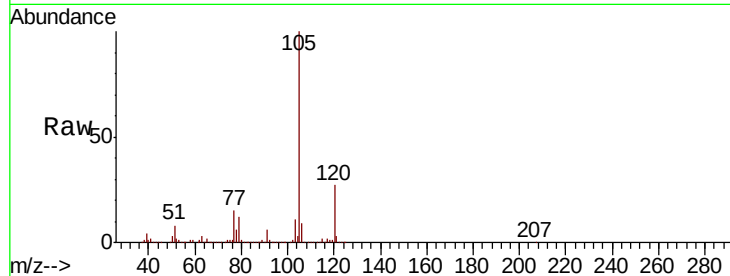
SP-PIT-1

Tot Ion:105 Resp: 832431

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

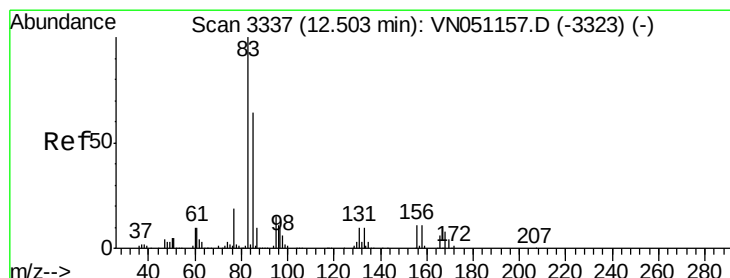
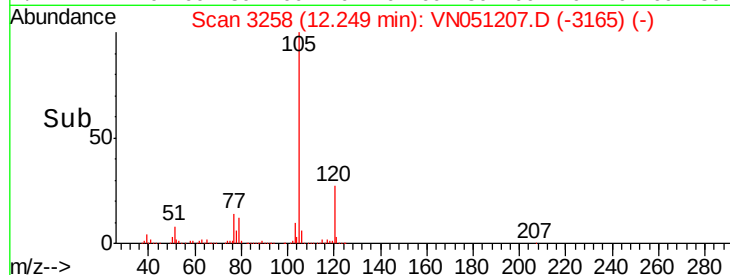
100000

0

12.20

12.30

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3327

Delta R.T. -0.03 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

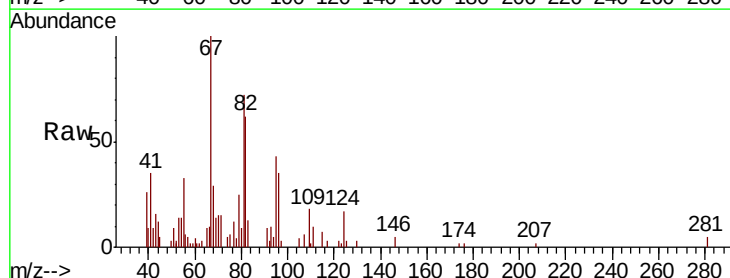
Tgt Ion: 83 Resp: 1487

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 13.9 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

2500

2000

1500

1000

500

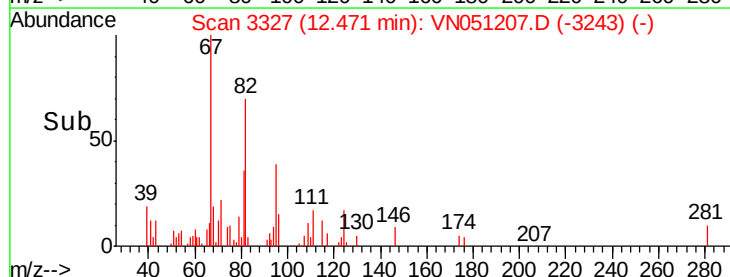
0

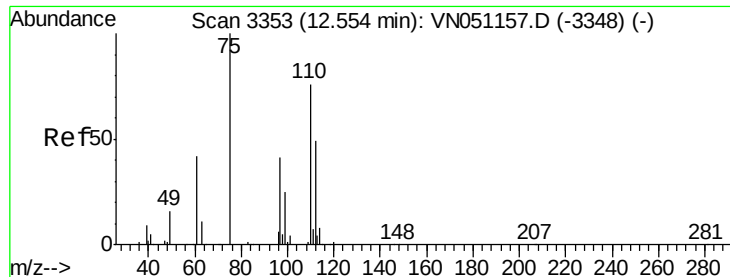
12.40

12.45

12.50

Time-->





#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

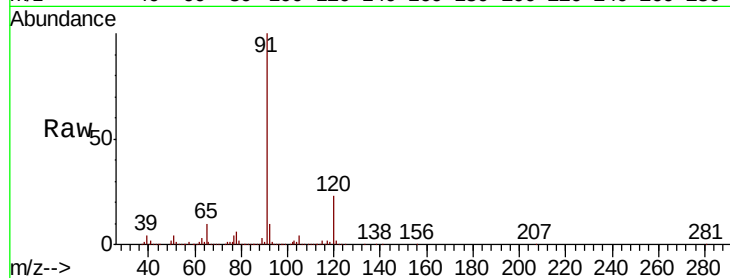
SP-PIT-1

Tot Ion: 75 Resp: 6302

Ion Ratio Lower Upper

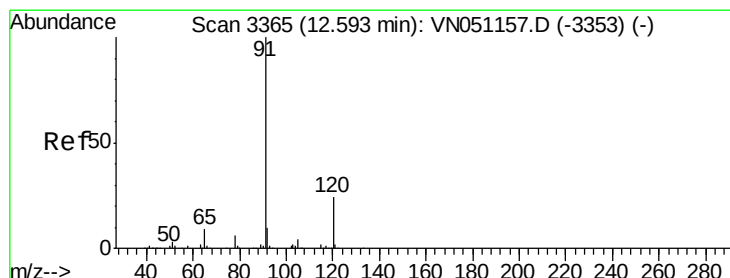
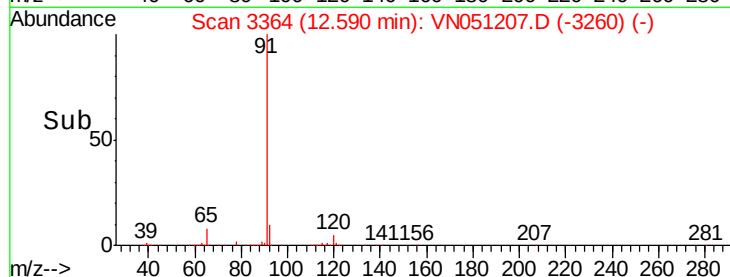
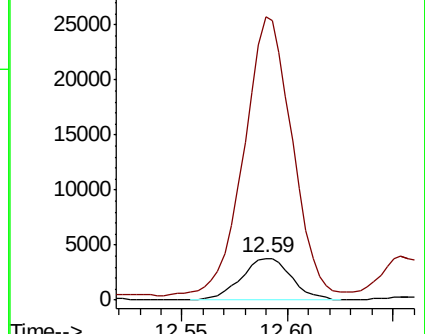
75 100

77 636.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 32.41 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051207.D

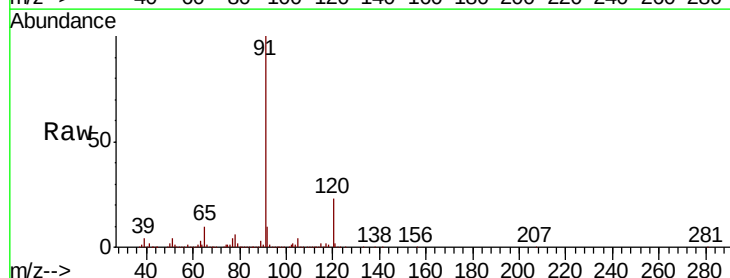
Acq: 14 Sep 2018 22:58

Tgt Ion: 91 Resp: 1022192

Ion Ratio Lower Upper

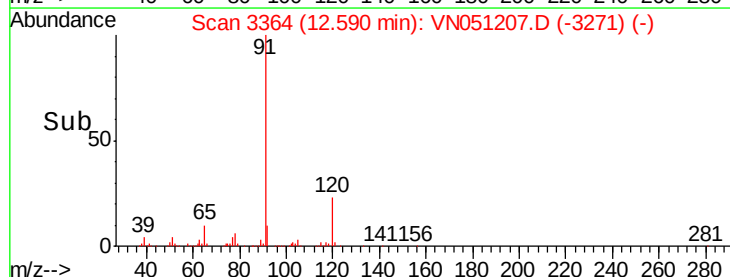
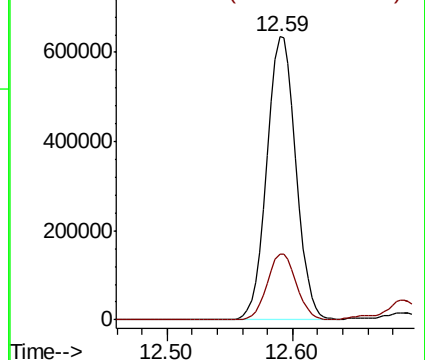
91 100

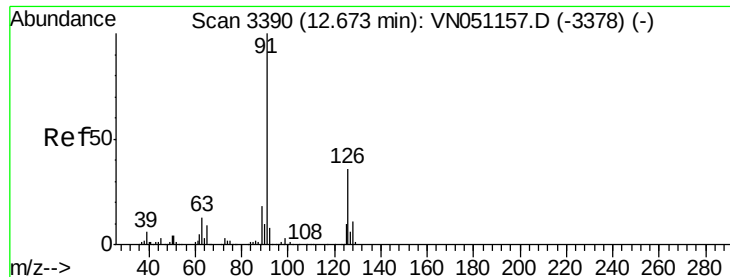
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.86 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

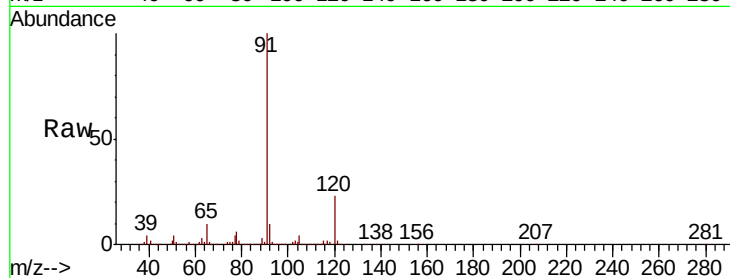
SP-PIT-1

Tot Ion: 91 Resp: 1022192

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051157.D (-3378) (-)

12.59

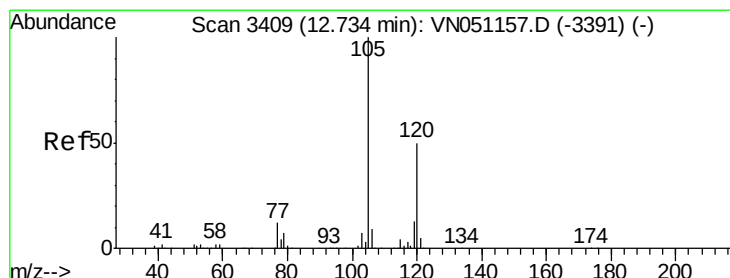
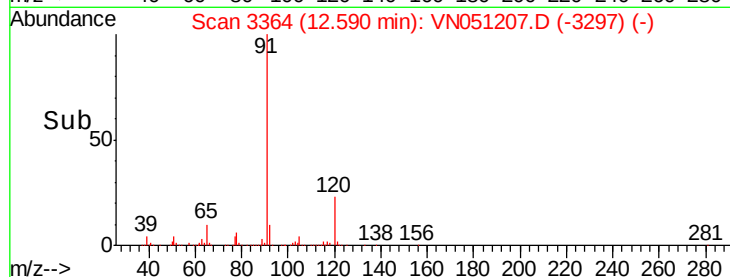
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.15 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051207.D

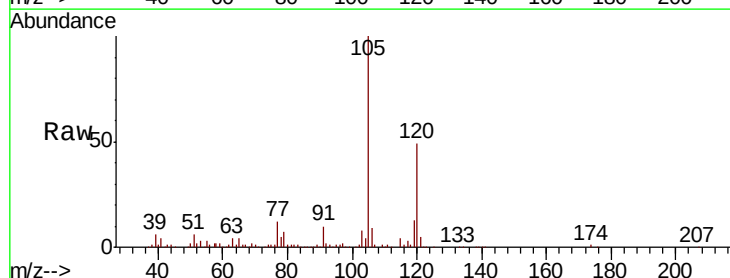
Acq: 14 Sep 2018 22:58

Tgt Ion: 105 Resp: 235502

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051157.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051157.D (-3391) (-)

12.73

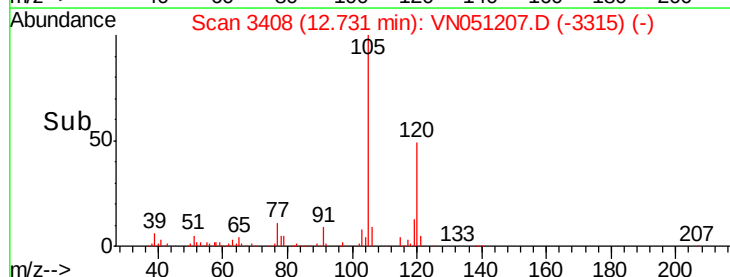
150000

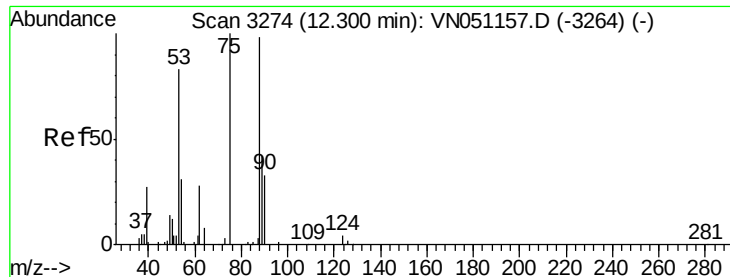
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 5.06 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

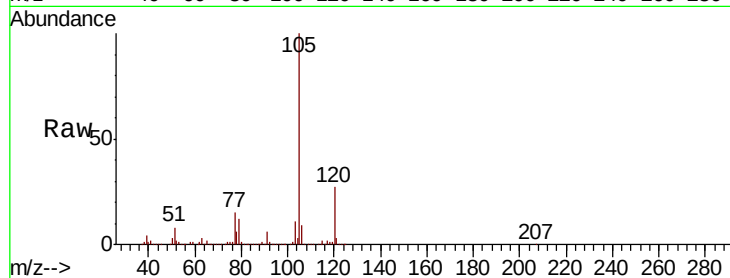
Tot Ion: 75 Resp: 9108

Ion Ratio Lower Upper

75 100

53 91.9 67.8 101.8

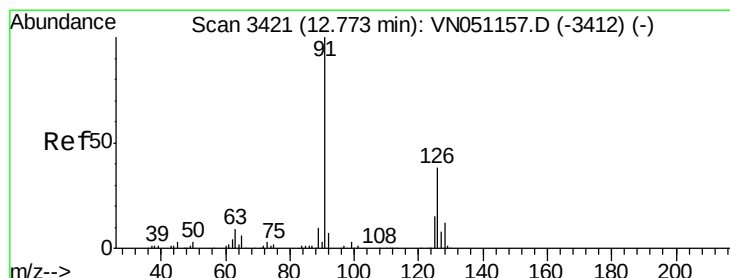
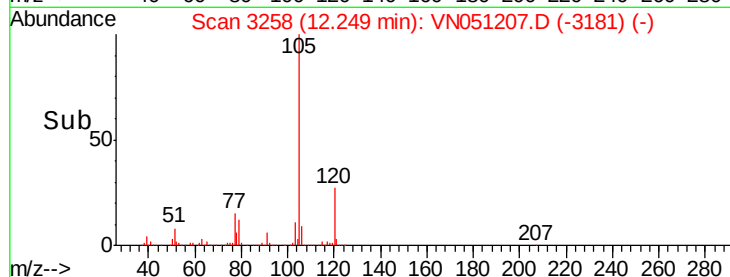
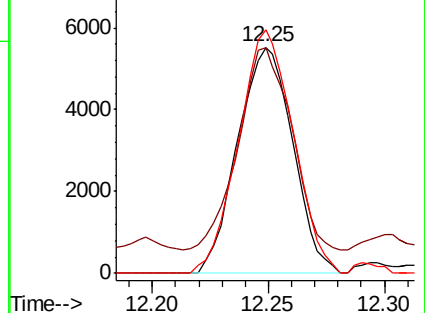
89 107.0 36.0 54.0#



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: 3.14 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.12 min

Lab File: VN051207.D

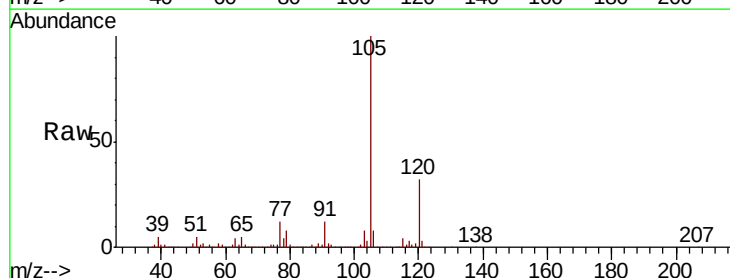
Acq: 14 Sep 2018 22:58

Tgt Ion: 91 Resp: 61445

Ion Ratio Lower Upper

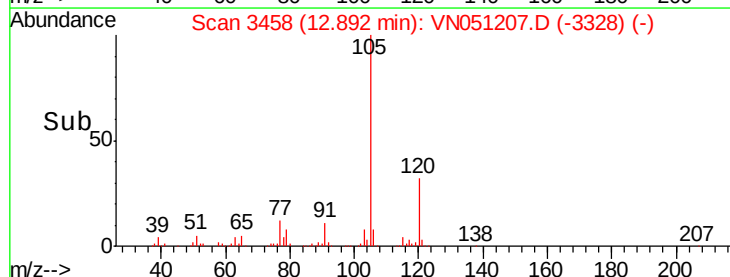
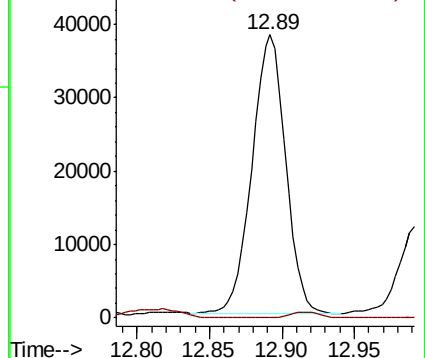
91 100

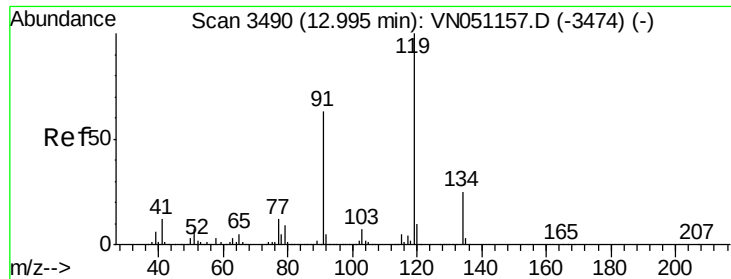
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

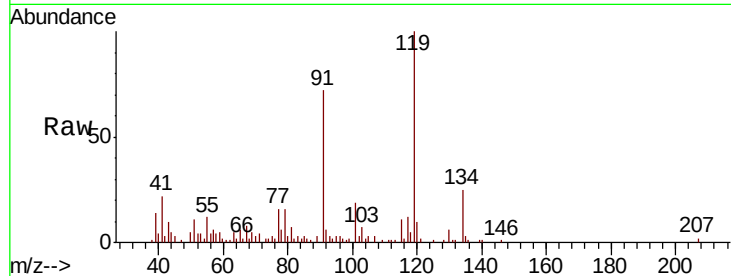




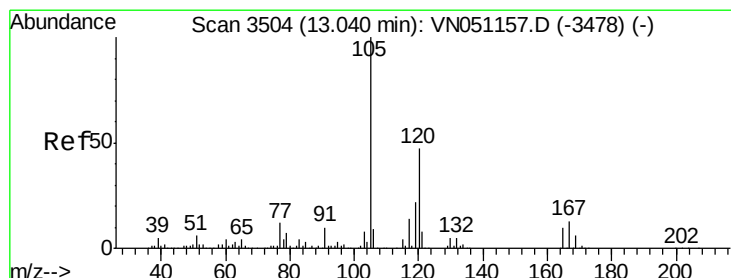
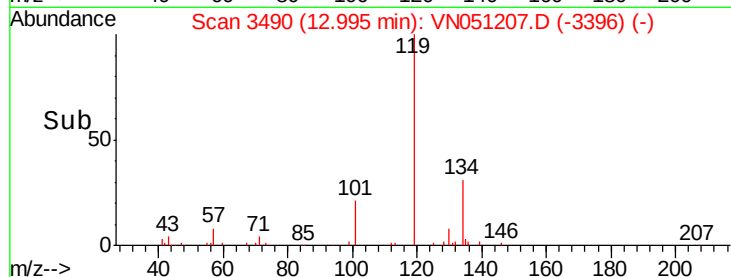
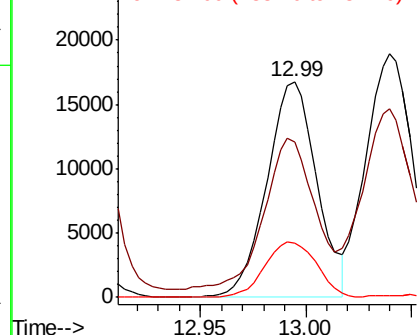
#83
 tert-Butylbenzene
 Concen: 1.35 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Instrument :
 MSVOA_N
 ClientSampled :
 SP-PIT-1

Tot Ion:119 Resp: 27706
 Ion Ratio Lower Upper
 119 100
 91 70.5 30.8 92.3
 134 26.7 13.2 39.6

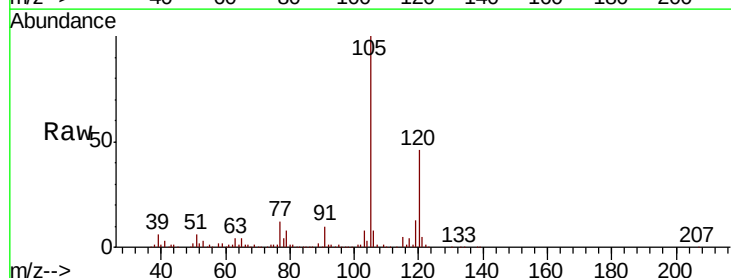


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

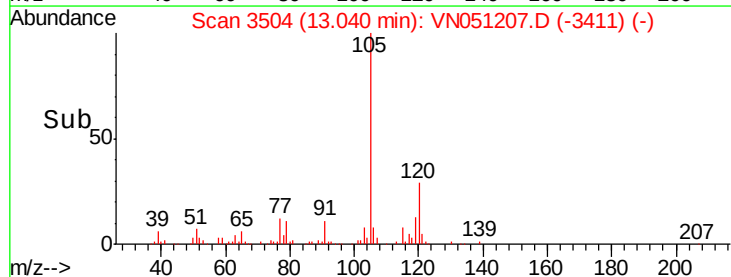
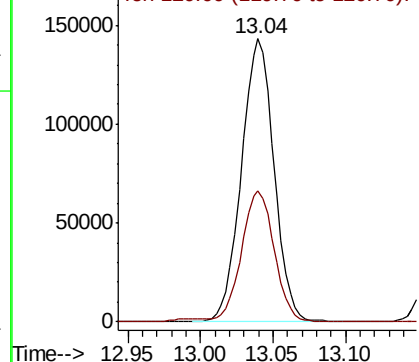


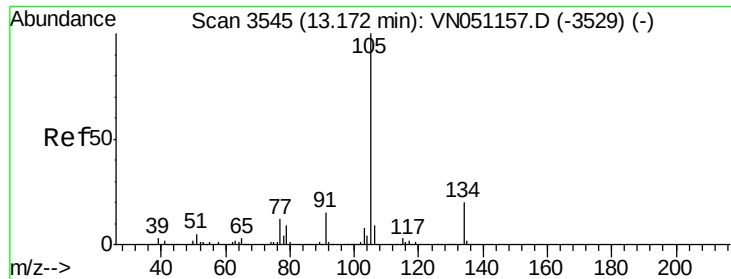
#84
 1,2,4-Trimethylbenzene
 Concen: 9.71 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051207.D
 Acq: 14 Sep 2018 22:58

Tgt Ion:105 Resp: 221377
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 7.17 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

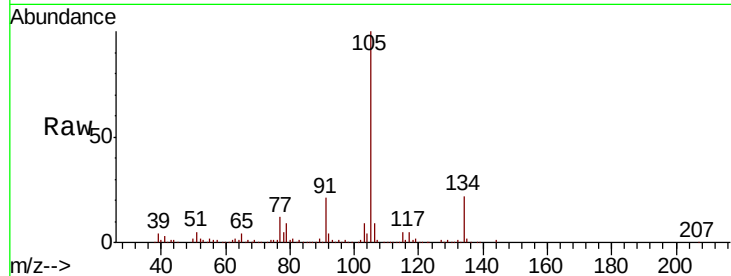
SP-PIT-1

Tot Ion:105 Resp: 188404

Ion Ratio Lower Upper

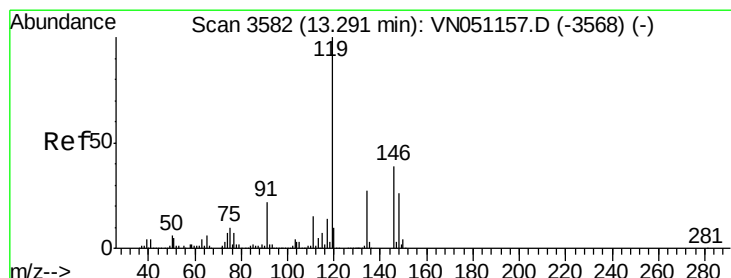
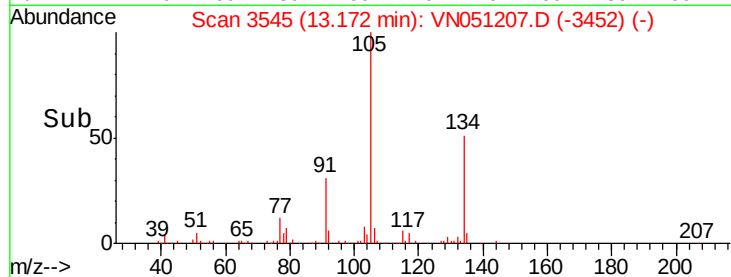
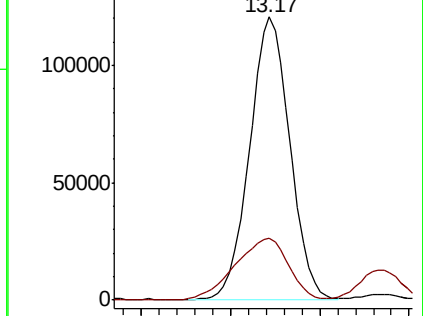
105 100

134 29.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 8.97 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

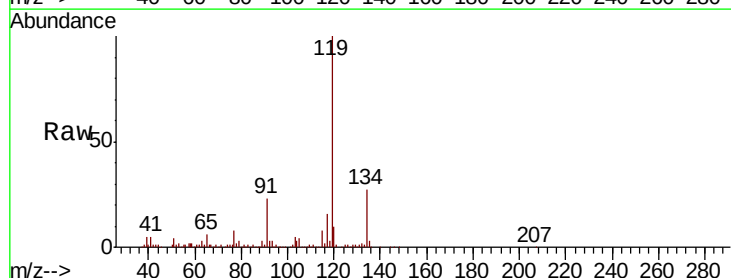
Tgt Ion:119 Resp: 199743

Ion Ratio Lower Upper

119 100

134 27.9 13.5 40.4

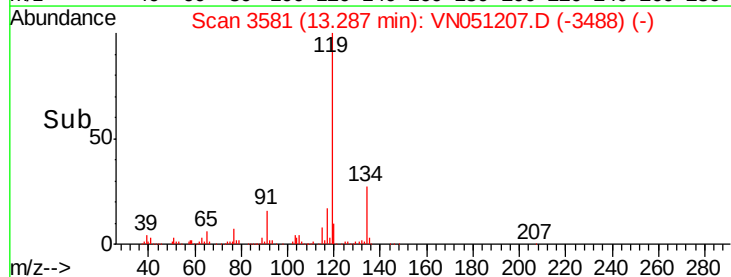
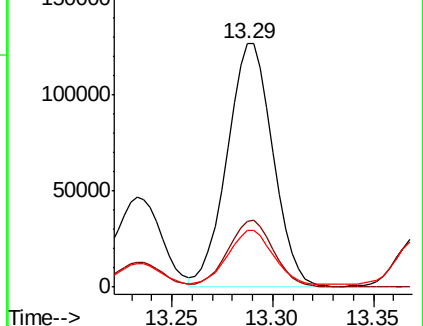
91 22.1 10.9 32.9

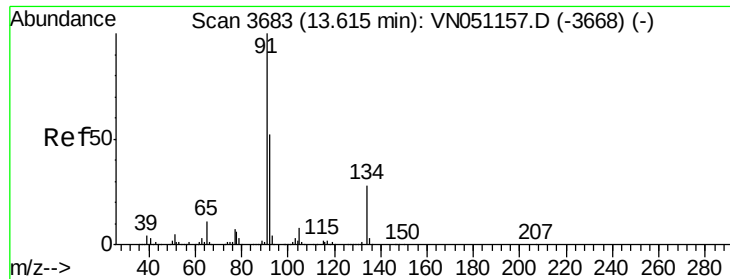


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 9.67 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampleId :

SP-PIT-1

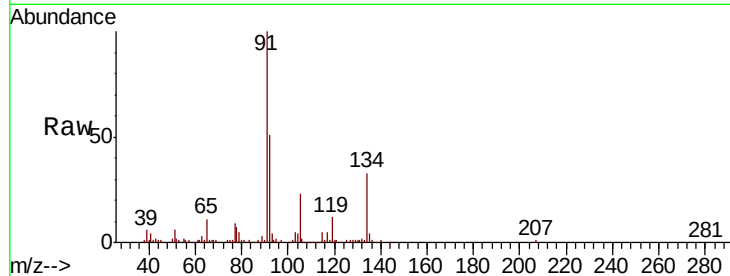
Tot Ion: 91 Resp: 167669

Ion Ratio Lower Upper

91 100

92 39.1 26.2 78.6

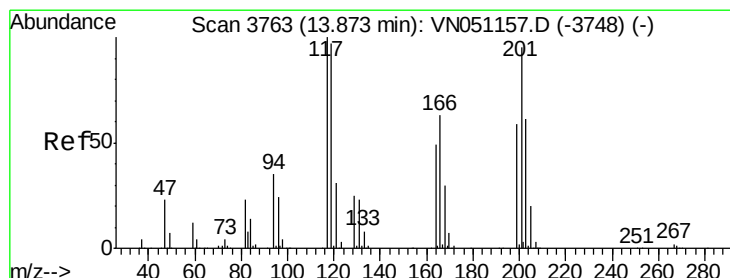
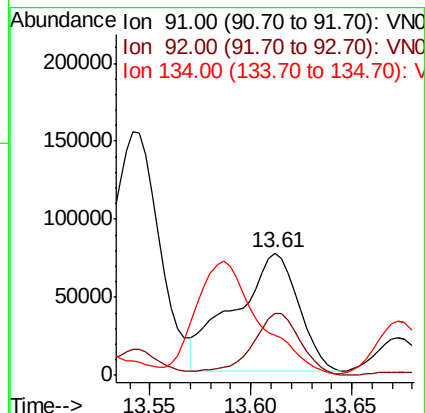
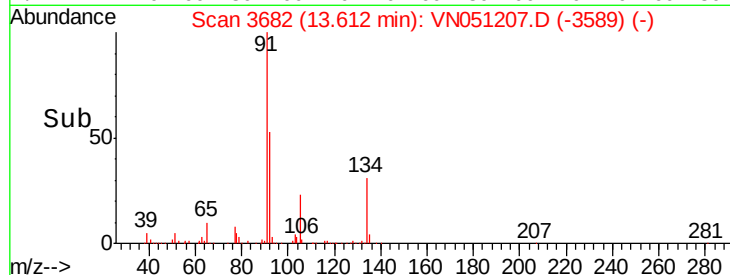
134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051157.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051157.D (-3668) (-)



#90

Hexachloroethane

Concen: 24.15 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051207.D

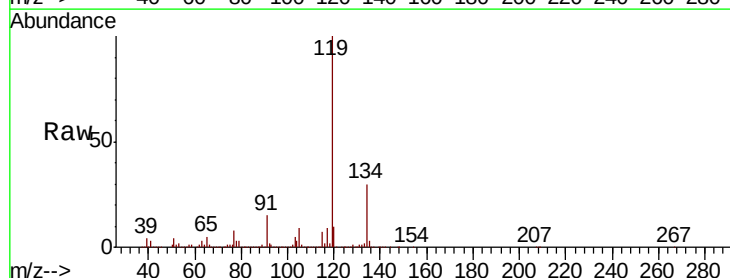
Acq: 14 Sep 2018 22:58

Tgt Ion: 117 Resp: 99186

Ion Ratio Lower Upper

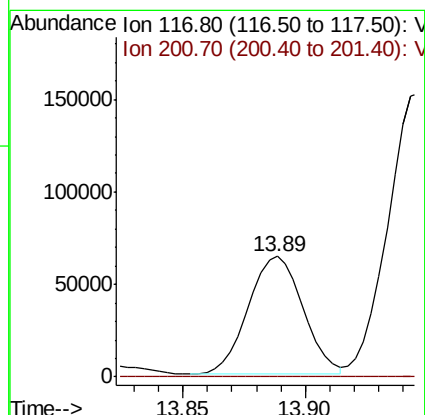
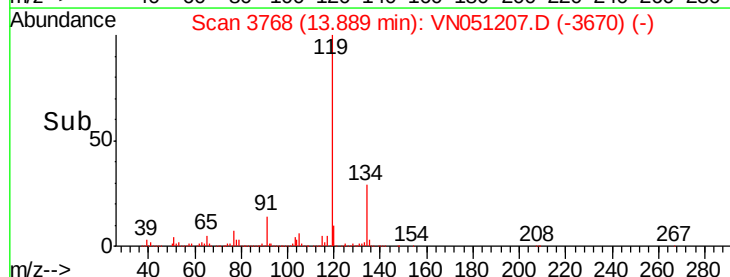
117 100

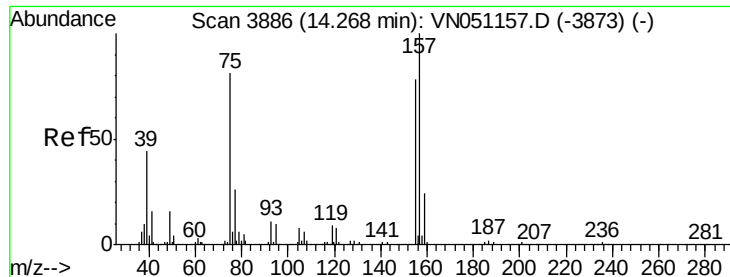
201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051157.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.61 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

Instrument :

MSVOA_N

ClientSampled :

SP-PIT-1

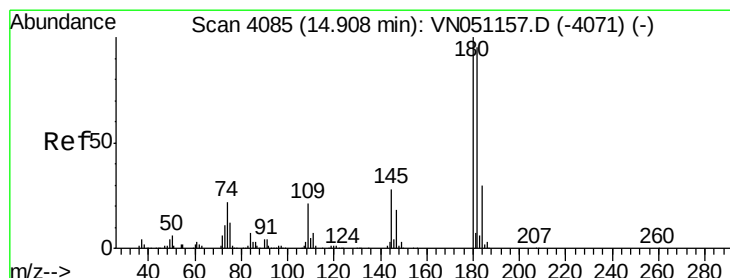
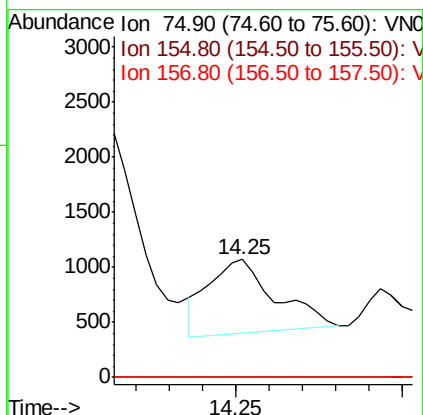
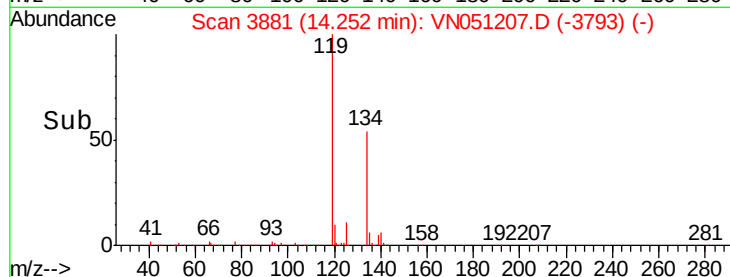
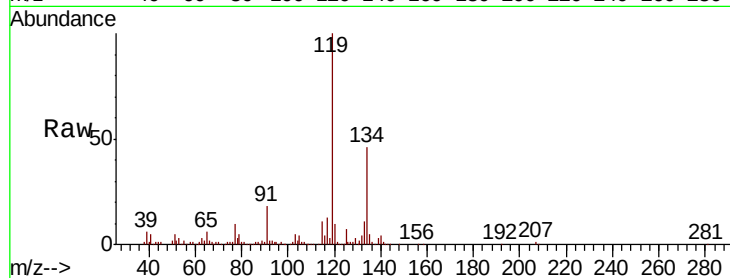
Tot Ion: 75 Resp: 947

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 63.6 190.9#



#93

1,2,4-Trichlorobenzene

Concen: 4.08 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051207.D

Acq: 14 Sep 2018 22:58

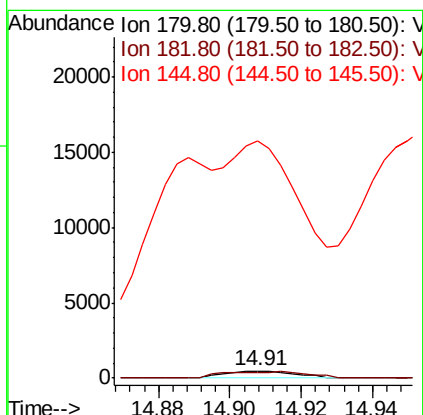
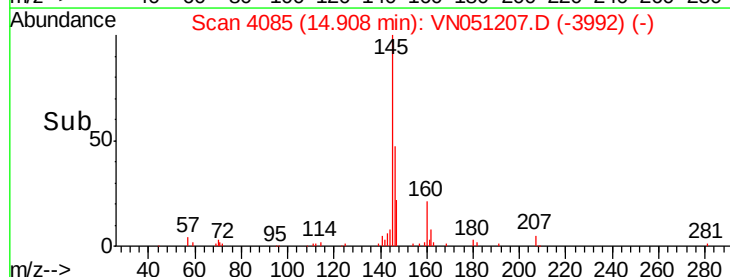
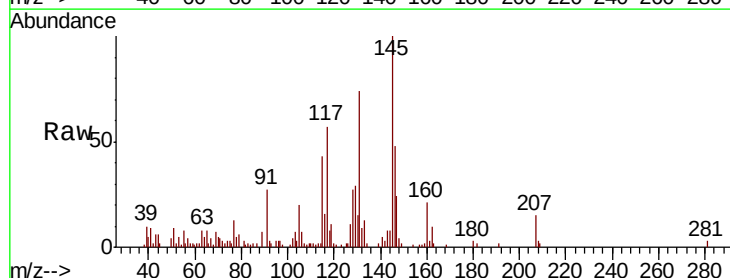
Tgt Ion: 180 Resp: 631

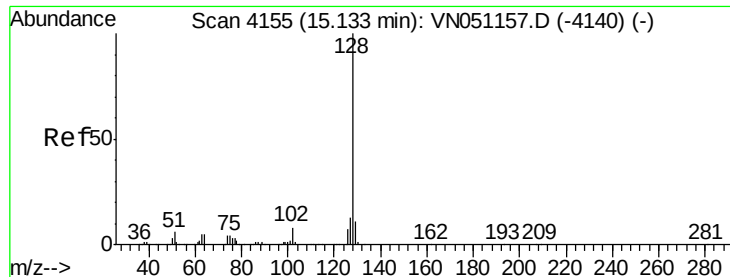
Ion Ratio Lower Upper

180 100

182 53.6 47.3 141.8

145 1986.2 14.2 42.6#

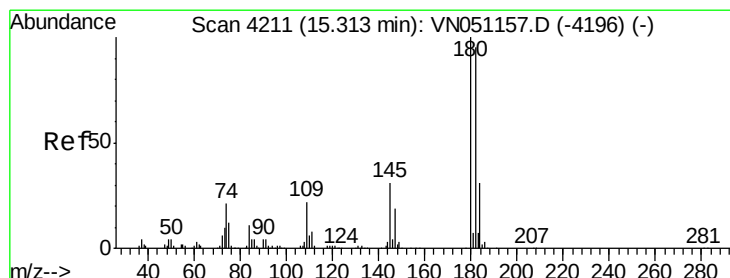
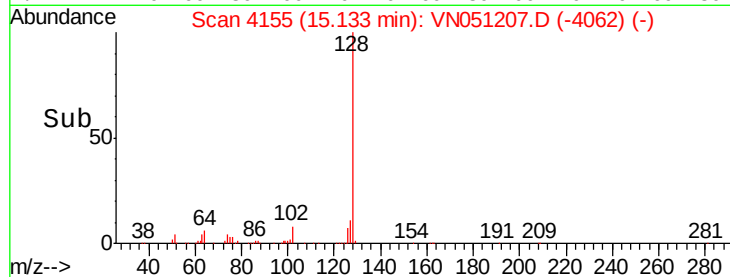
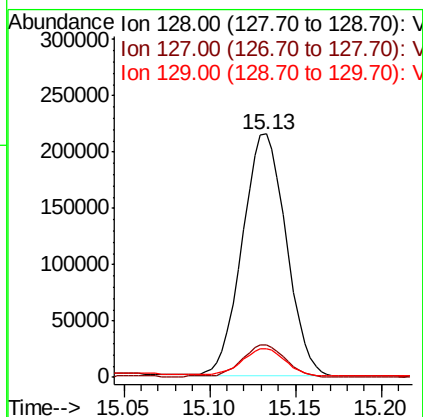
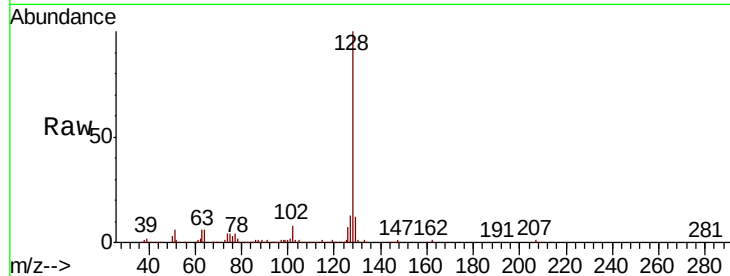




#95
Naphthalene
Concen: 31.67 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Instrument :
MSVOA_N
ClientSampleId :
SP-PIT-1

Tot	Ion:128	Resp:	379265
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.3	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.05 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051207.D
Acq: 14 Sep 2018 22:58

Tgt	Ion:180	Resp:	615
Ion	Ratio	Lower	Upper
180	100		
182	102.4	47.8	143.3
145	0.0	14.6	43.8#

