

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053087.D
 Acq On : 21 Dec 2018 5:43
 Operator : MD\SY
 Sample : J6519-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 07:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1305642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2008549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1811882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	819943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	631357	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	556910	60.70	ug/l	0.00
Spiked Amount			Recovery	=	121.40%	
50) Toluene-d8	10.09	98	2441941	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	847327	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	2561	3.168	ug/l #	74
15) Acrylonitrile	5.04	53	2357	0.525	ug/l #	1
16) Acetone	3.82	43	53365	20.542	ug/l	98
18) Methyl Acetate	4.33	43	4398	1.358	ug/l #	63
19) Methyl tert-butyl Ether	5.05	73	545855	16.391	ug/l	99
20) Methylene Chloride	4.55	84	7369	0.520	ug/l	87
29) Tetrahydrofuran	7.23	42	2384	0.732	ug/l #	69
31) Cyclohexane	7.66	56	39601	0.690	ug/l #	30
36) 1,1-Dichloropropene	7.67	75	86515	4.488	ug/l #	49
38) Carbon Tetrachloride	7.67	117	112027	6.340	ug/l #	15
39) Methylcyclohexane	9.08	83	22211	0.948	ug/l	99
40) Benzene	8.04	78	73444	1.281	ug/l	95
43) Isopropyl Acetate	8.33	43	252619	11.321	ug/l #	53
55) 1,1,2-Trichloroethane	10.53	97	7116	0.574	ug/l #	19
56) Ethyl methacrylate	10.44	69	3495	0.213	ug/l #	1
68) m/p-Xylenes	11.62	106	7434	0.283	ug/l	87
69) o-Xylene	11.95	106	7343	0.291	ug/l	93
71) Bromoform	12.40	173	4916	0.487	ug/l #	1
73) Isopropylbenzene	12.25	105	256924	4.005	ug/l	100
76) 1,2,3-Trichloropropane	12.40	75	396007	28.690	ug/l #	100
77) Bromobenzene	12.55	156	29257	1.754	ug/l #	1
78) n-propylbenzene	12.59	91	345859	4.734	ug/l	99
79) 2-Chlorotoluene	12.59	91	345859	7.637	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.40	75	396007	92.472	ug/l #	12
82) 4-Chlorotoluene	12.59	91	345859	7.801	ug/l #	40
83) tert-Butylbenzene	12.99	119	29611	0.640	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	20847	0.397	ug/l	96
85) sec-Butylbenzene	13.17	105	132386	2.116	ug/l	83
86) p-Isopropyltoluene	13.44	119	67051	1.241	ug/l	98
89) n-Butylbenzene	13.61	91	31418	0.676	ug/l #	70
90) Hexachloroethane	13.89	117	36478	4.398	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	30	0.598	ug/l #	1
95) Naphthalene	15.13	128	184977	6.753	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

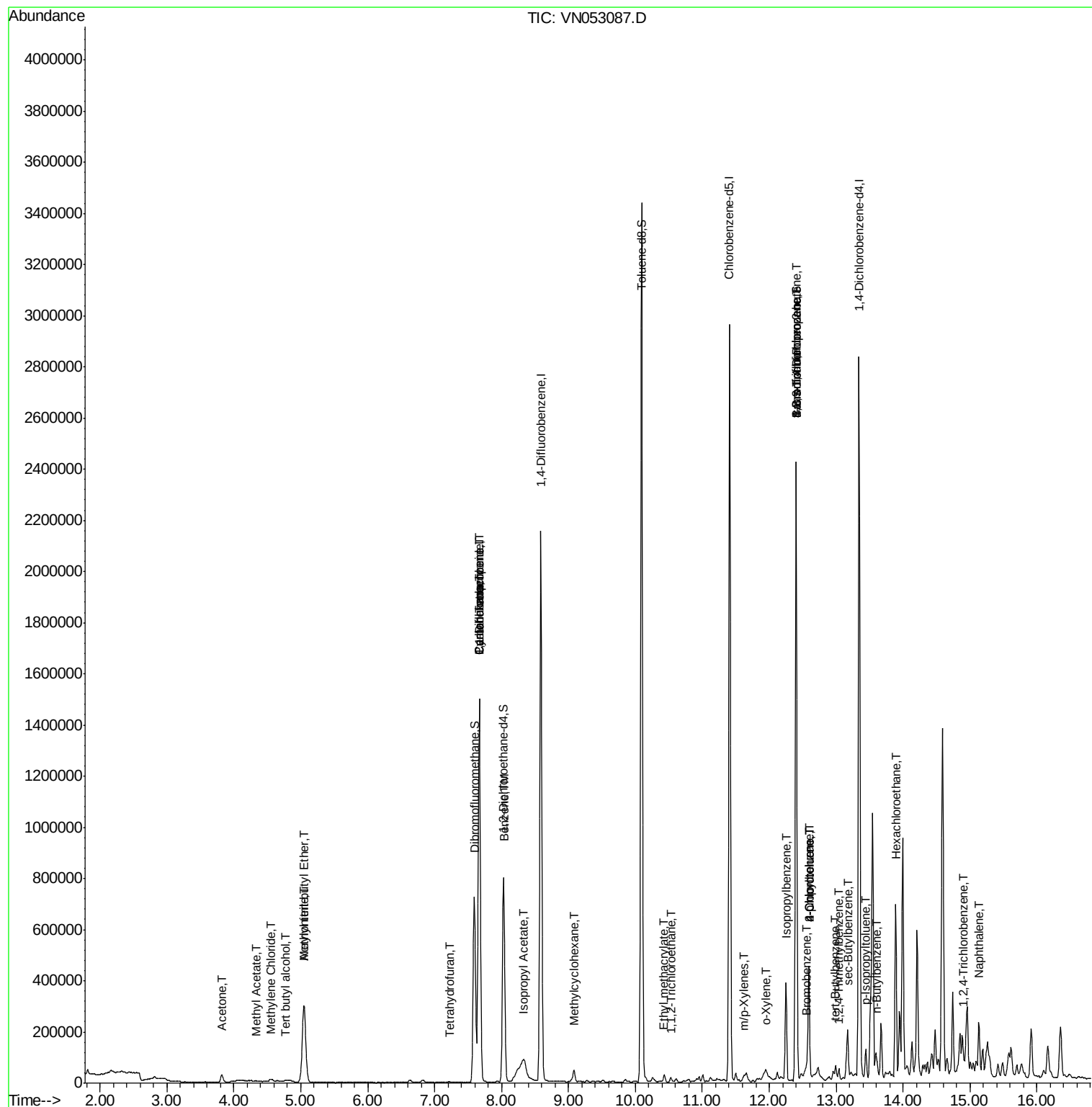
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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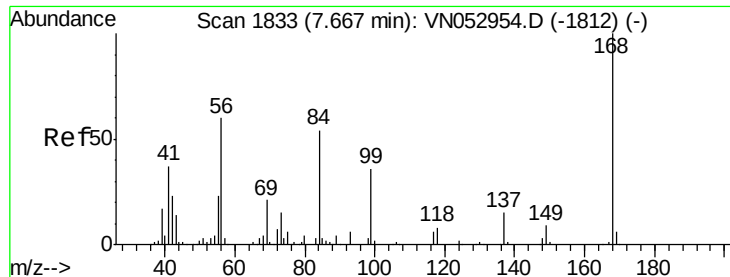
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122018\
Data File : VN053087.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

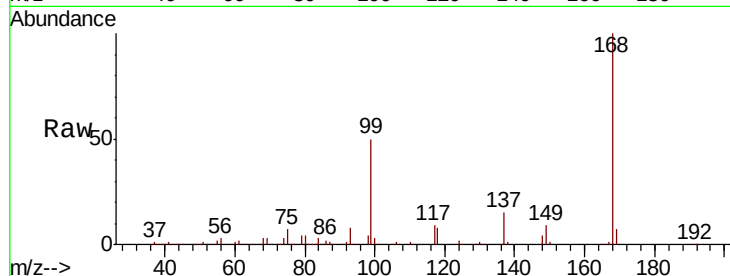
ClientSampled :

Tot Ion:168 Resp: 1305642

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

600000

500000

400000

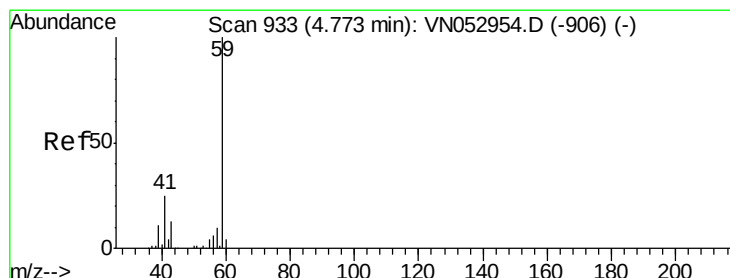
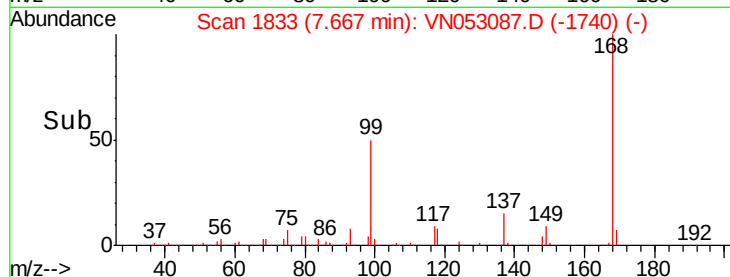
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.168 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.01 min

Lab File: VN053087.D

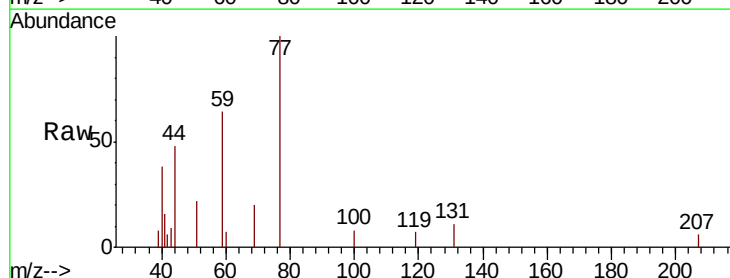
Acq: 21 Dec 2018 5:43

Tgt Ion: 59 Resp: 2561

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN052954.D (-906) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-906) (-)

4.76

2000

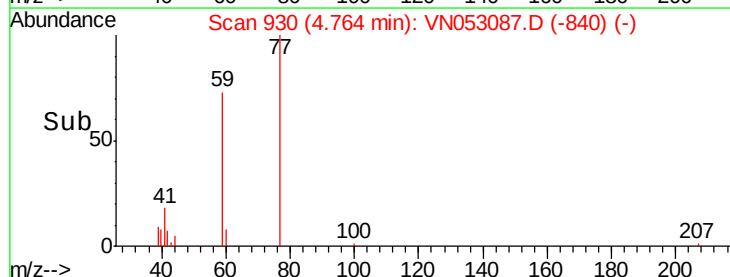
1500

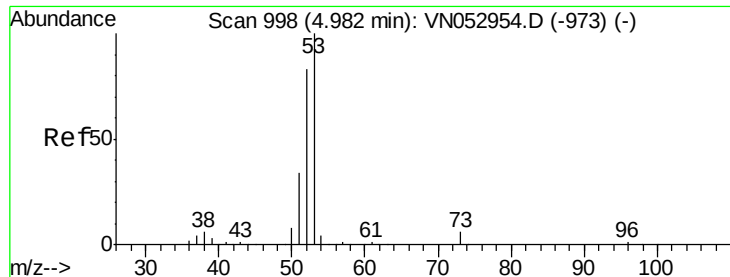
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 0.525 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.05 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

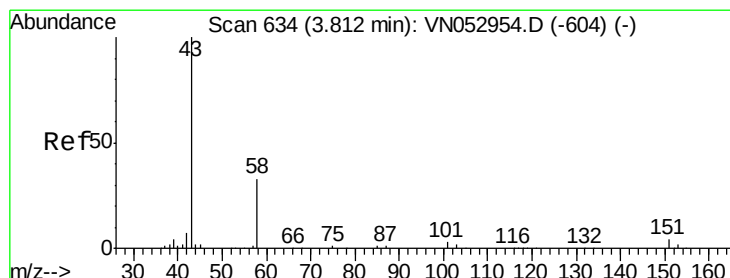
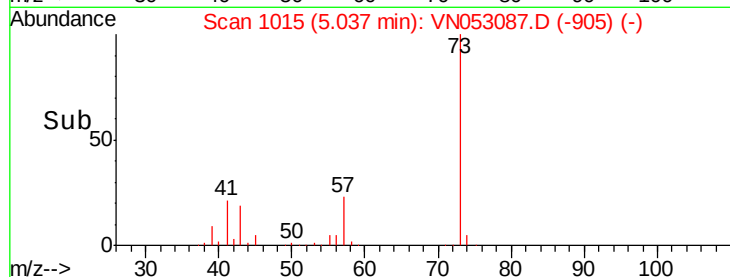
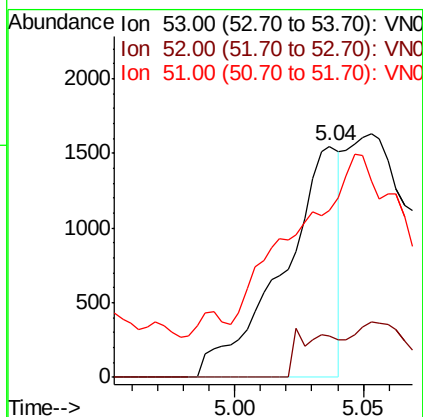
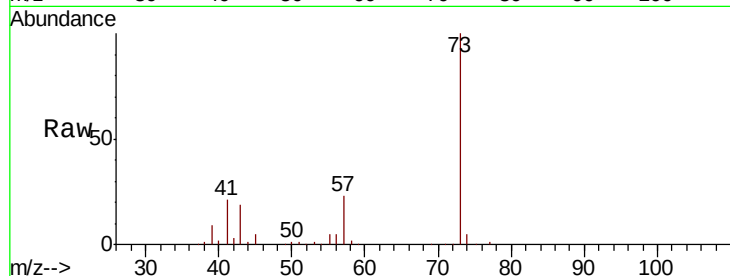
Tot Ion: 53 Resp: 2357

Ion Ratio Lower Upper

53 100

52 22.8 65.1 97.7#

51 229.7 28.1 42.1#



#16

Acetone

Concen: 20.542 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053087.D

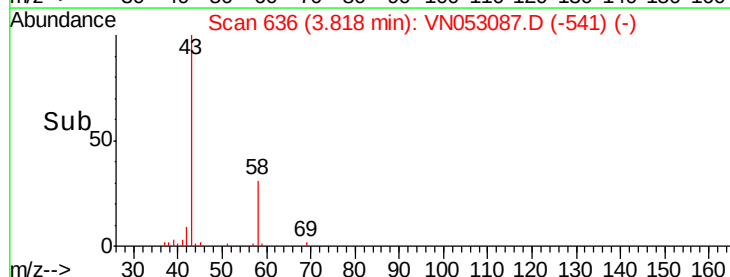
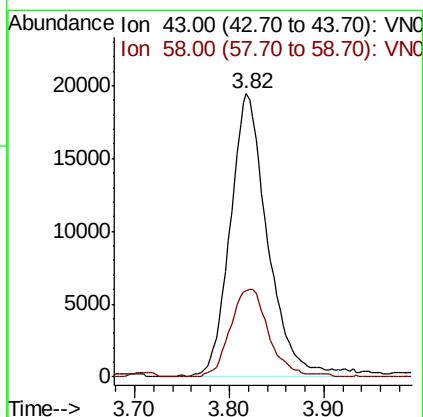
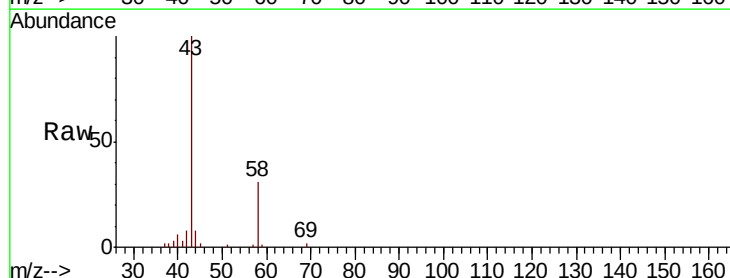
Acq: 21 Dec 2018 5:43

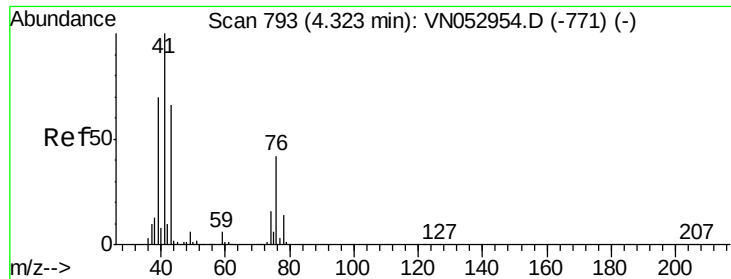
Tgt Ion: 43 Resp: 53365

Ion Ratio Lower Upper

43 100

58 30.6 25.4 38.0

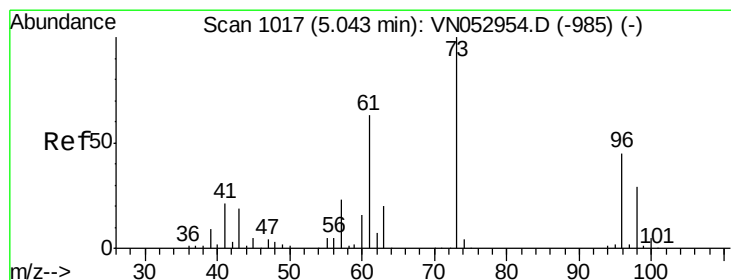
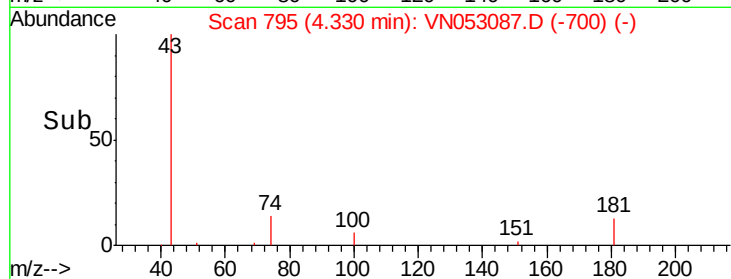
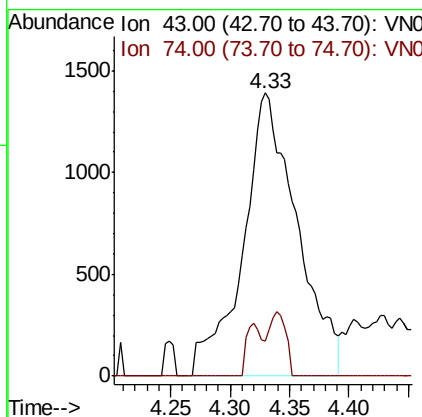
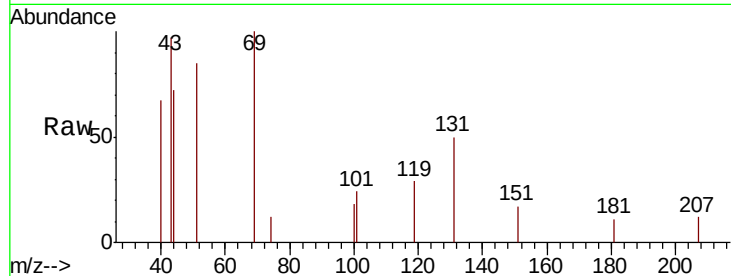




#18
Methyl Acetate
Concen: 1.358 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

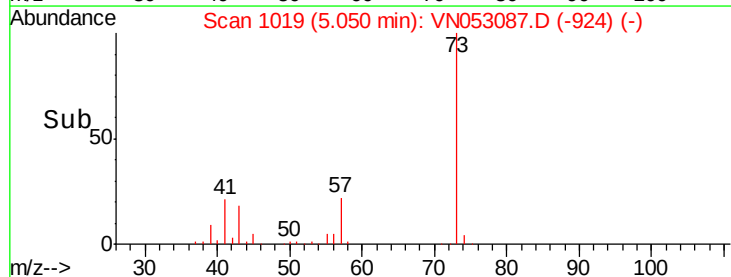
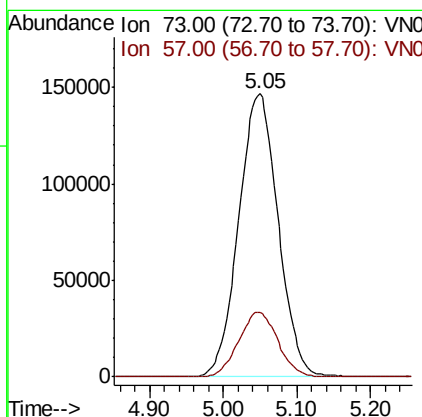
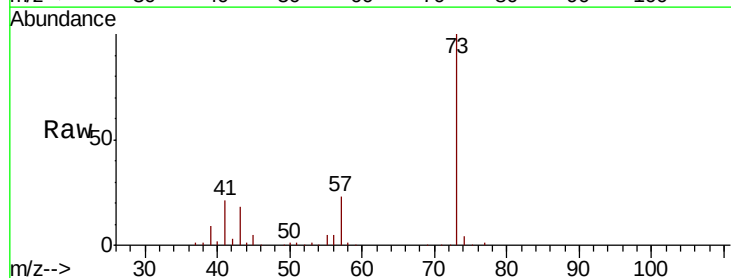
Instrument :
MSVOA_N
ClientSampled :

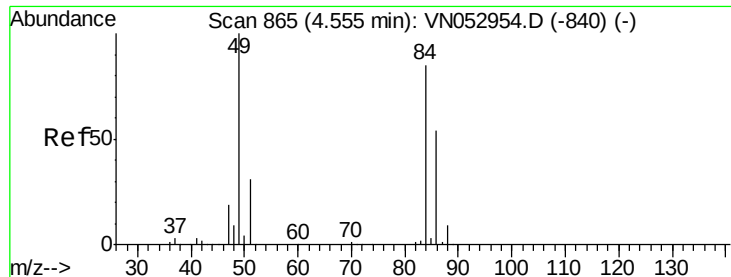
Tot Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
74 5.6 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 16.391 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

Tgt Ion: 73 Resp: 545855
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6





#20

Methylene Chloride

Concen: 0.520 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 7369

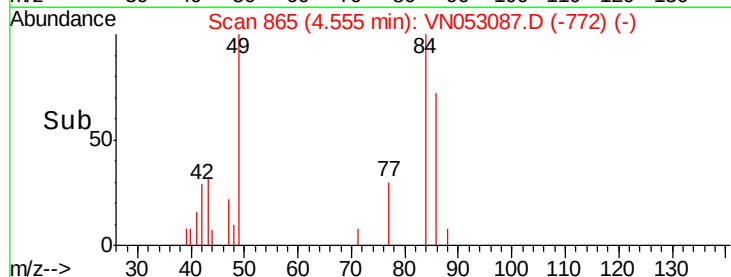
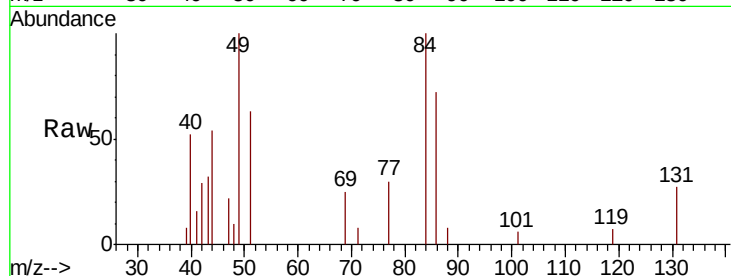
Ion	Ratio	Lower	Upper
84	100		
49	99.9	96.8	145.2
51	37.1	29.9	44.9
86	72.2	51.8	77.6

84 100

49 99.9 96.8 145.2

51 37.1 29.9 44.9

86 72.2 51.8 77.6



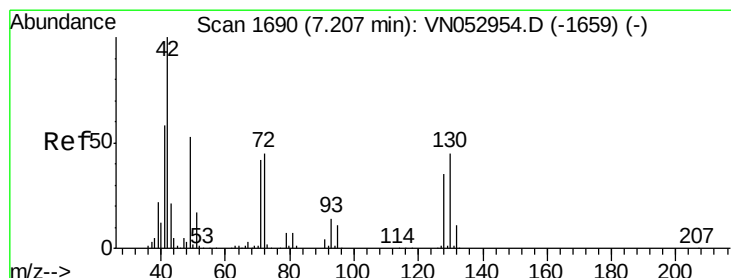
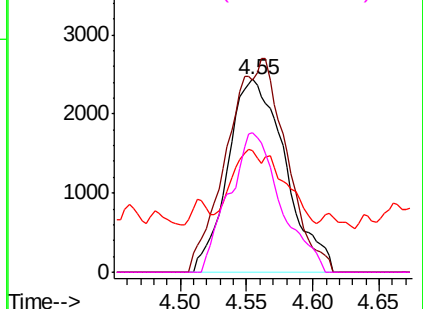
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.732 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

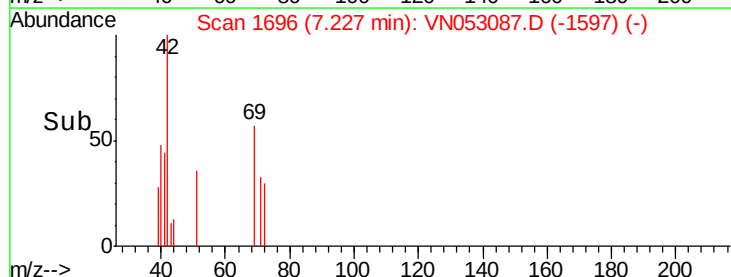
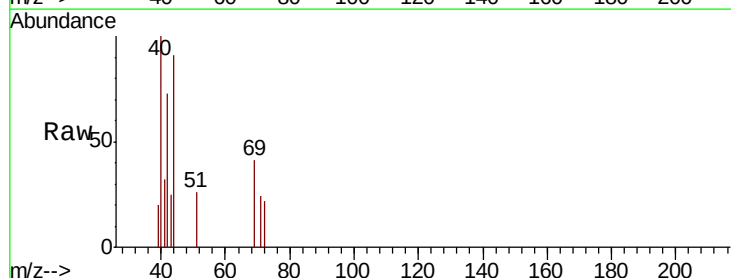
Tgt Ion: 42 Resp: 2384

Ion	Ratio	Lower	Upper
42	100		
72	13.1	34.7	52.1#
71	32.5	32.3	48.5

42 100

72 13.1 34.7 52.1#

71 32.5 32.3 48.5

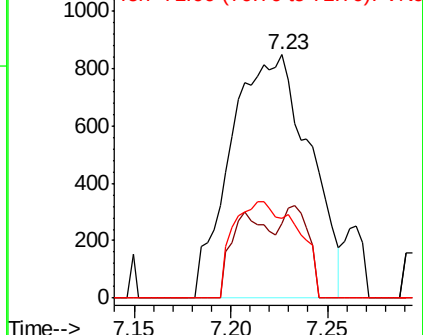


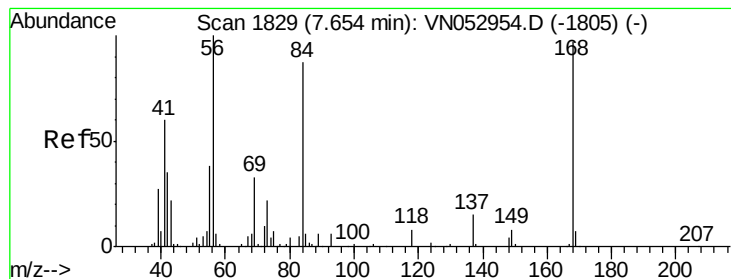
Abundance

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





#31

Cyclohexane

Concen: 0.690 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

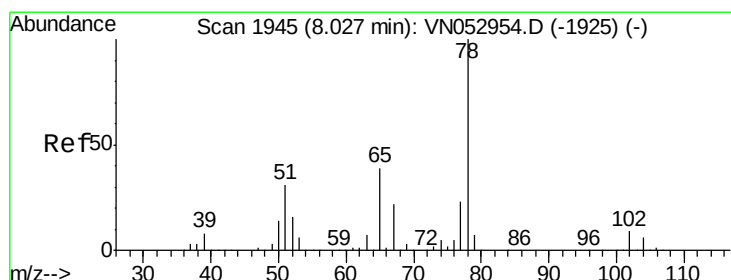
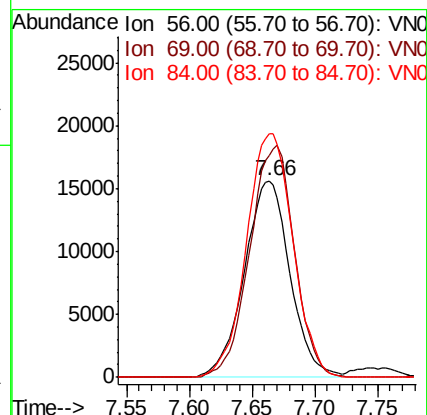
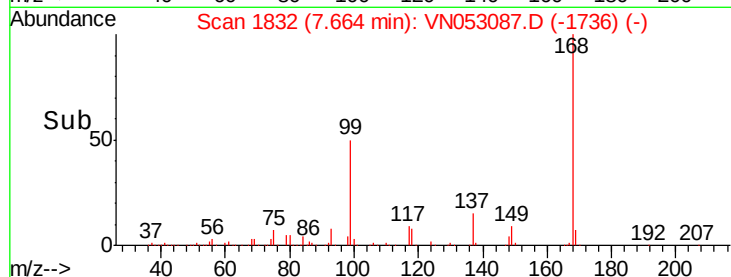
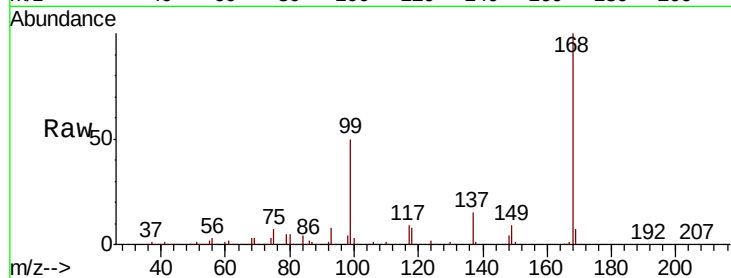
Tot Ion: 56 Resp: 39601

Ion Ratio Lower Upper

56 100

69 113.2 26.6 39.8#

84 124.1 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053087.D

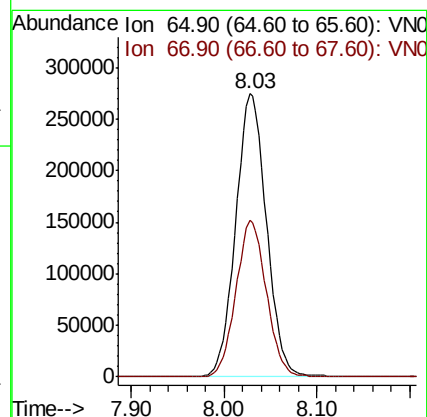
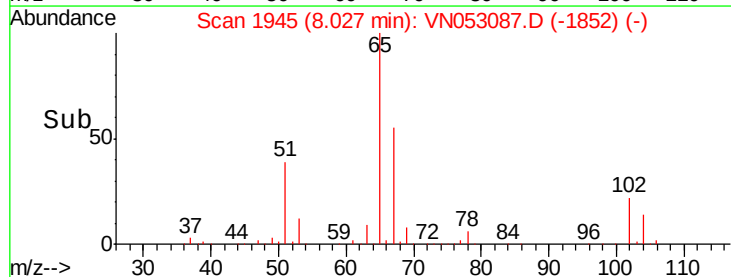
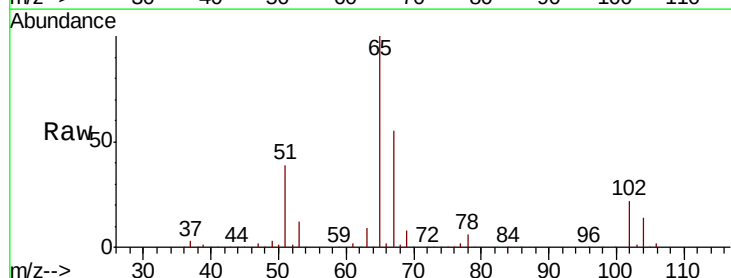
Acq: 21 Dec 2018 5:43

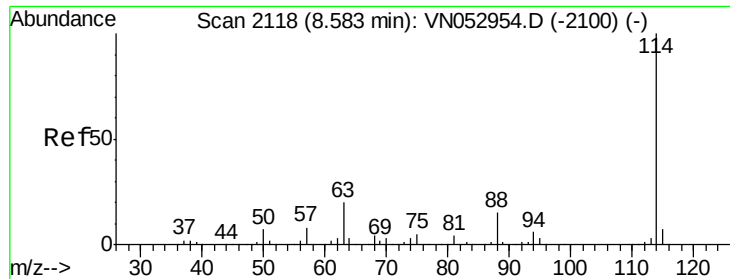
Tgt Ion: 65 Resp: 631357

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4

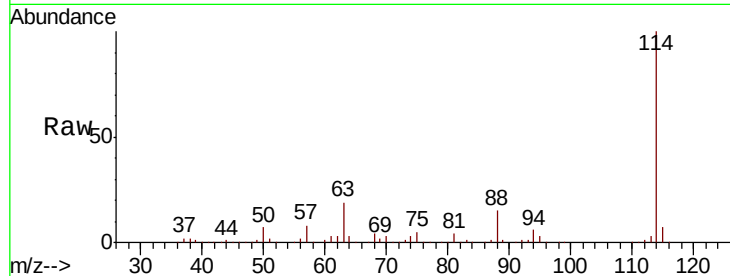




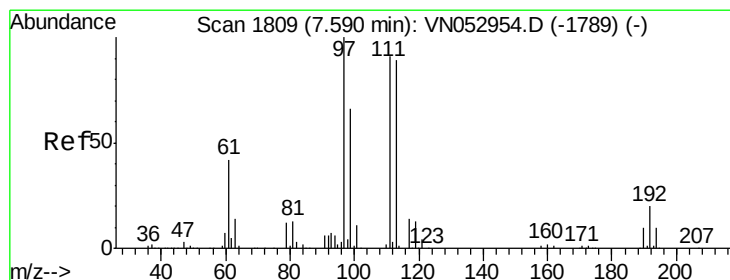
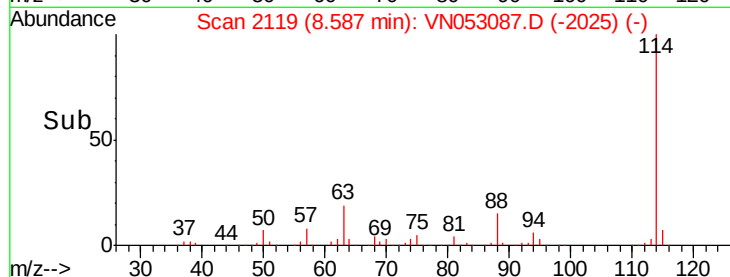
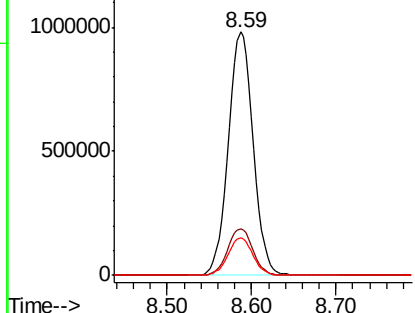
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053087.D
 Acq: 21 Dec 2018 5:43

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2008549
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.3 0.0 31.0

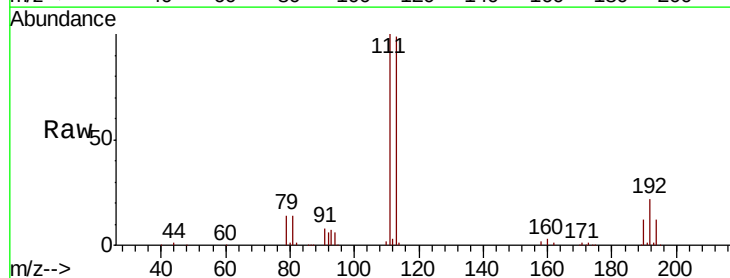


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

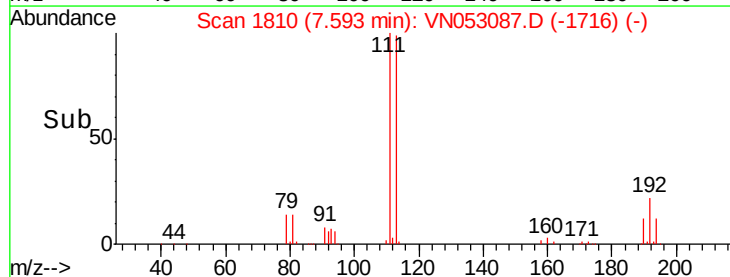
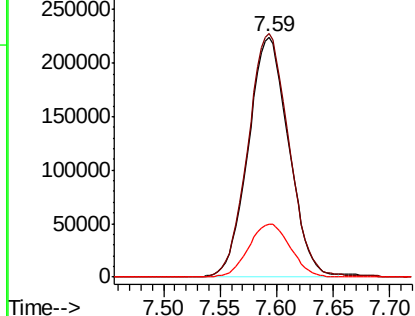


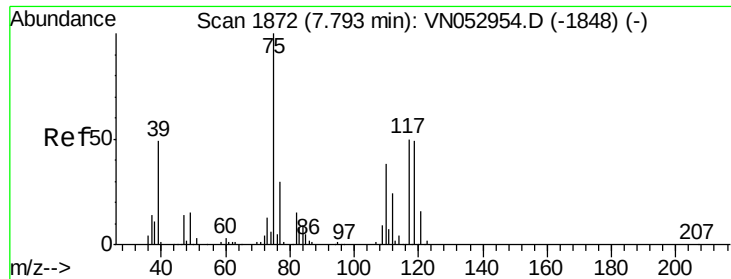
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053087.D
 Acq: 21 Dec 2018 5:43

Tgt Ion:113 Resp: 556910
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 22.8 17.5 26.3



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

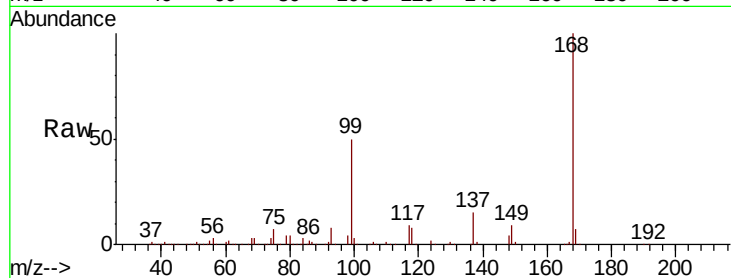




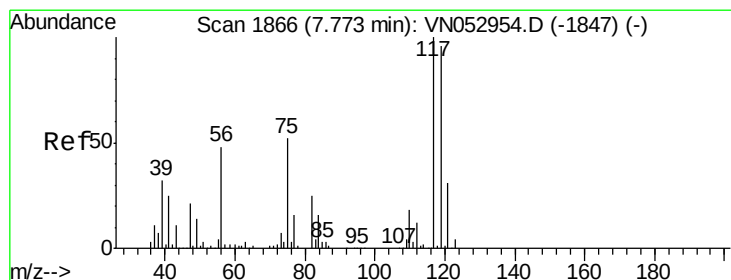
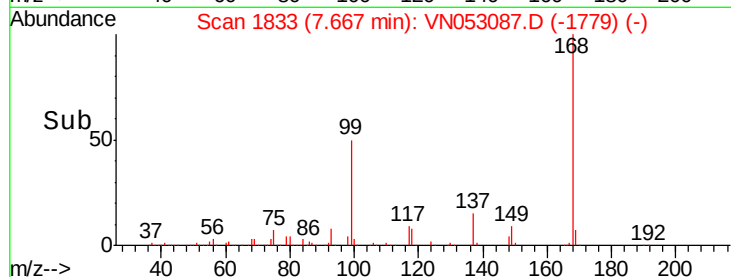
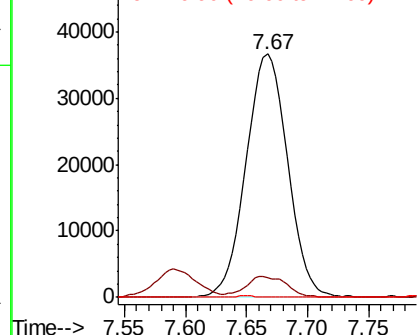
#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053087.D
 Acq: 21 Dec 2018 5:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#

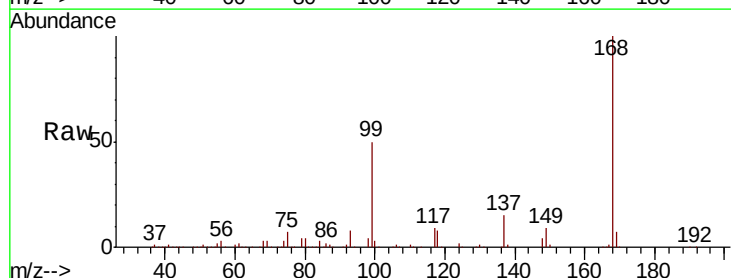


Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN052954.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN052954.D (-1848) (-)

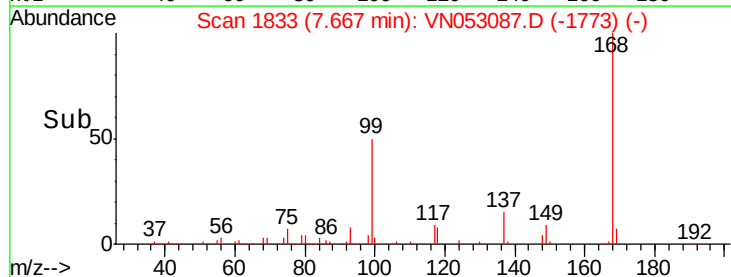
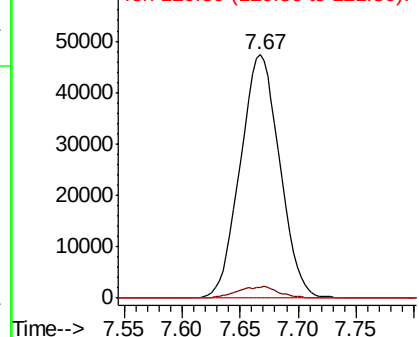


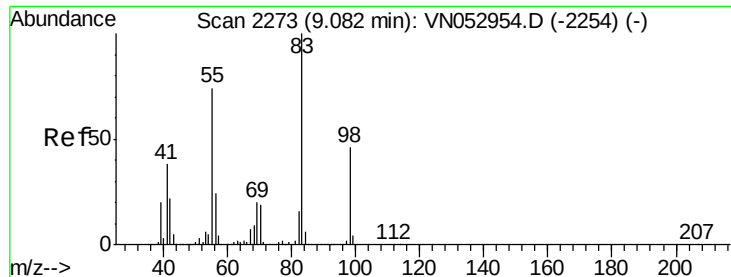
#38
 Carbon Tetrachloride
 Concen: 6.340 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053087.D
 Acq: 21 Dec 2018 5:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.1	115.7#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN052954.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN052954.D (-1847) (-)

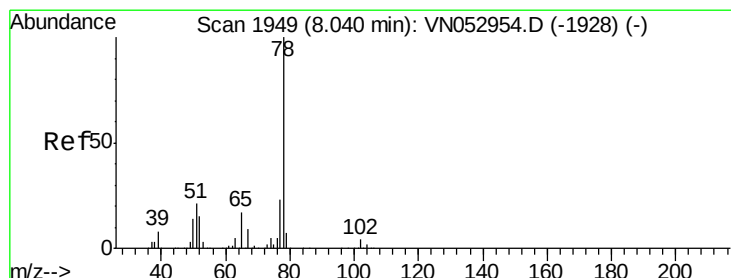
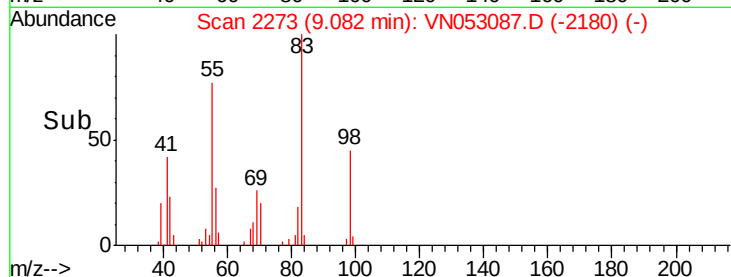
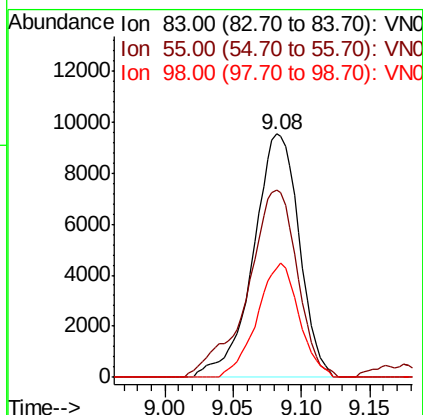
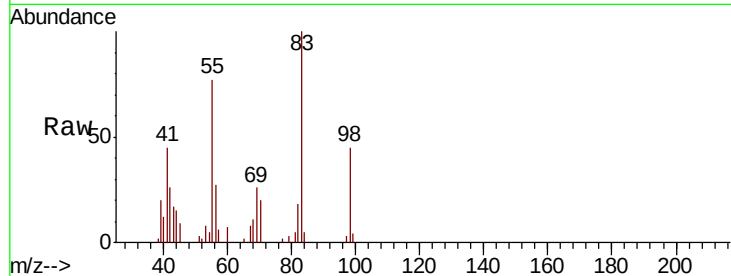




#39
Methylvlcyclohexane
Concen: 0.948 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

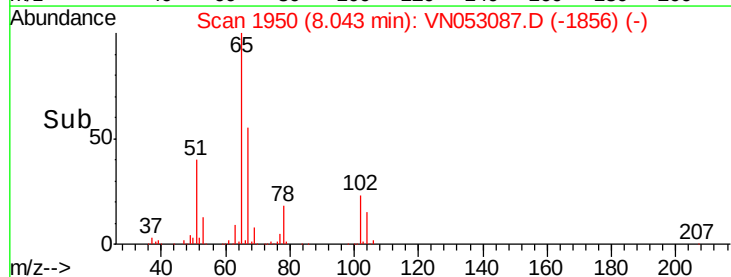
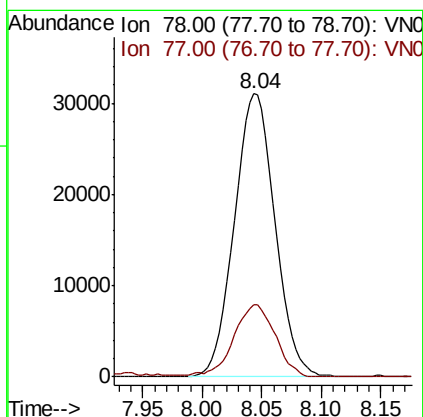
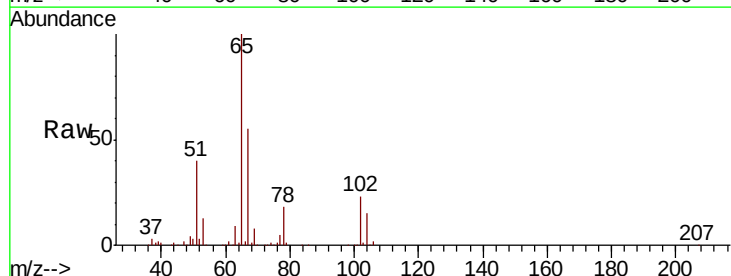
Instrument :
MSVOA_N
ClientSampled :

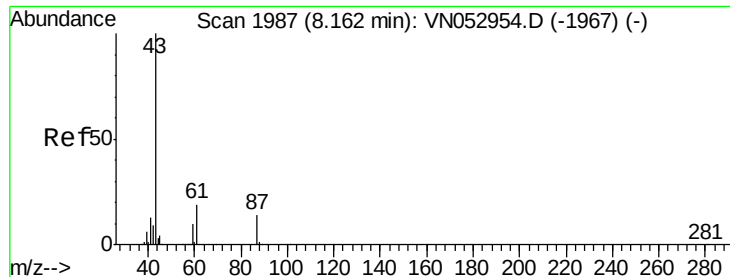
Tot Ion: 83 Resp: 22211
Ion Ratio Lower Upper
83 100
55 77.2 61.3 91.9
98 45.1 37.0 55.4



#40
Benzene
Concen: 1.281 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

Tgt Ion: 78 Resp: 73444
Ion Ratio Lower Upper
78 100
77 25.3 18.5 27.7





#43

Isopropyl Acetate

Concen: 11.321 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.17 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampleId :

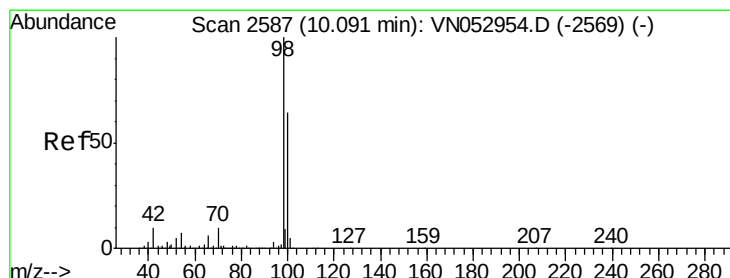
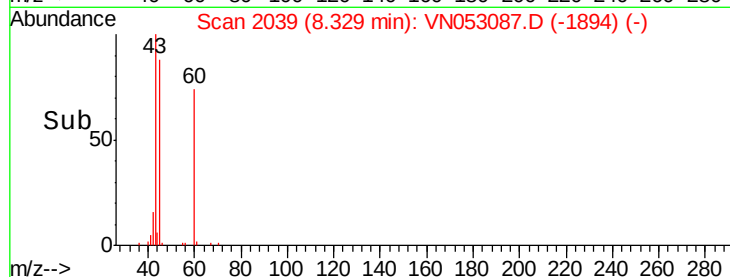
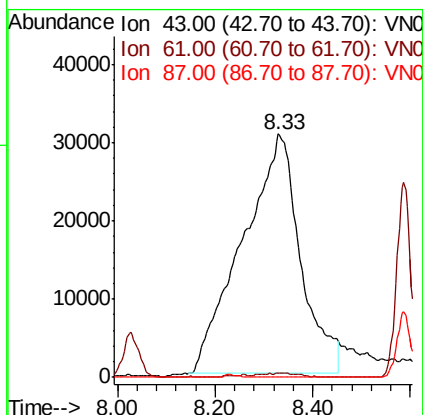
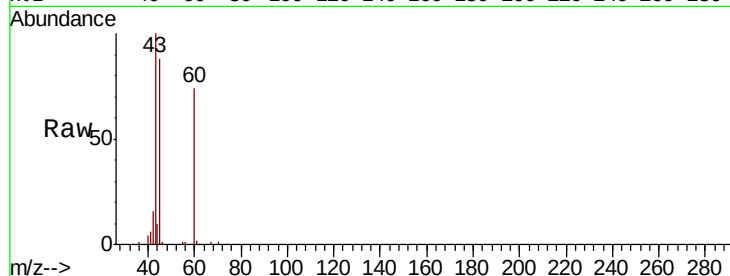
Tot Ion: 43 Resp: 252619

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053087.D

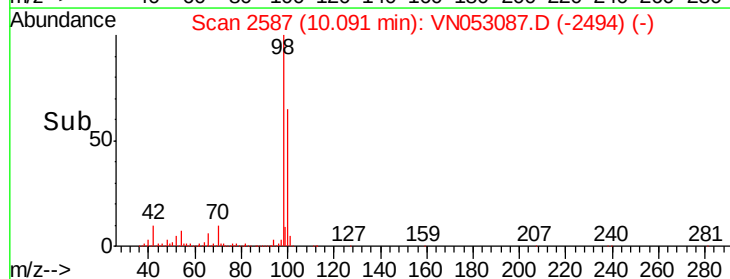
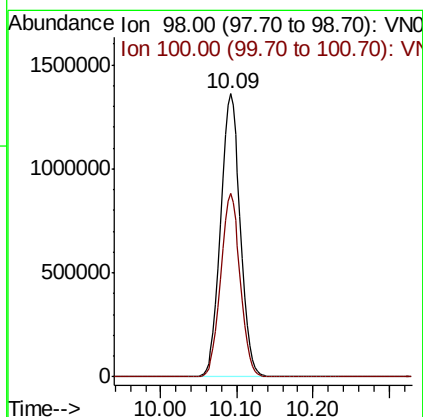
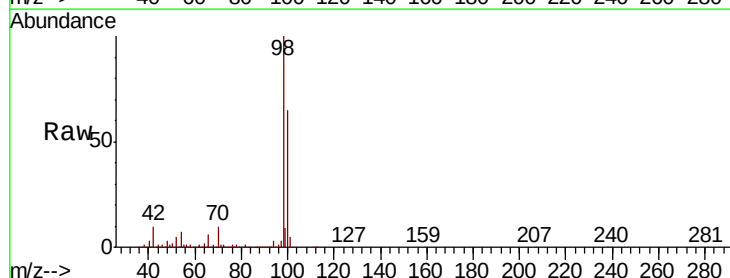
Acq: 21 Dec 2018 5:43

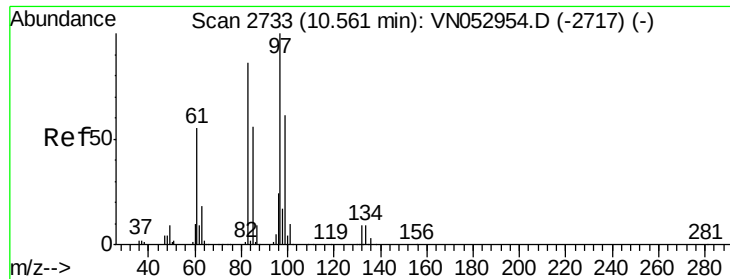
Tgt Ion: 98 Resp: 2441941

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4





#55

1,1,2-Trichloroethane

Concen: 0.574 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 7116

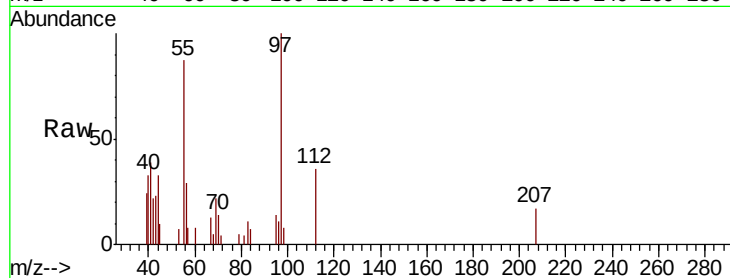
Ion Ratio Lower Upper

97 100

83 11.4 70.9 106.3#

85 0.0 45.4 68.2#

99 0.0 50.4 75.6#

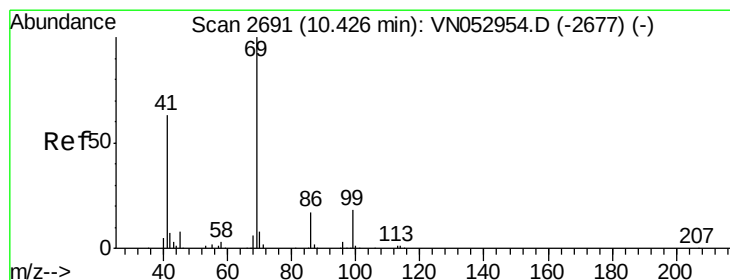
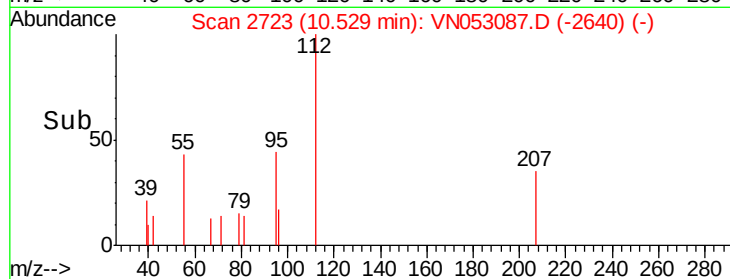
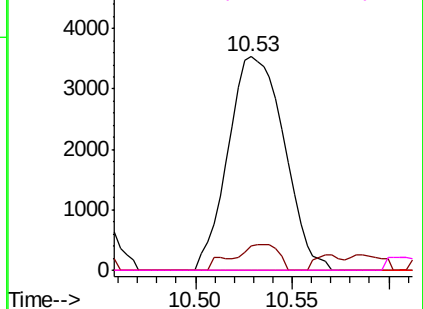


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

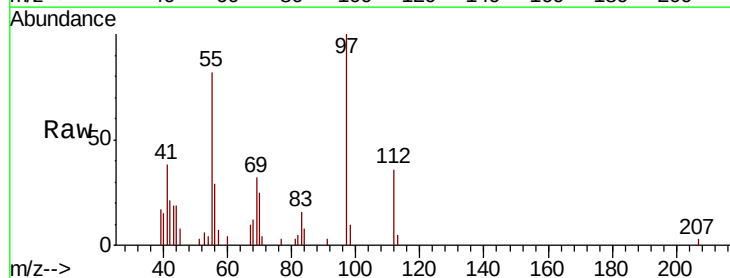
Tgt Ion: 69 Resp: 3495

Ion Ratio Lower Upper

69 100

41 156.5 51.7 77.5#

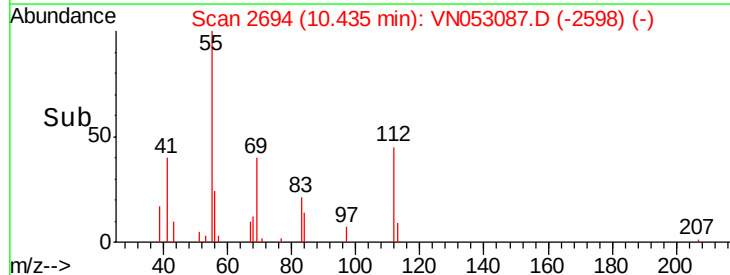
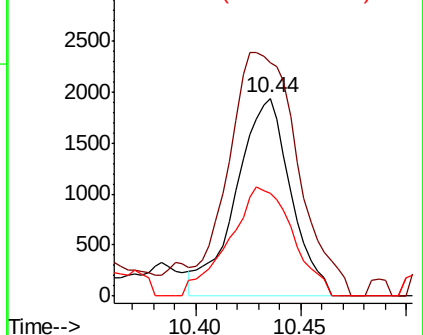
39 64.0 24.6 37.0#

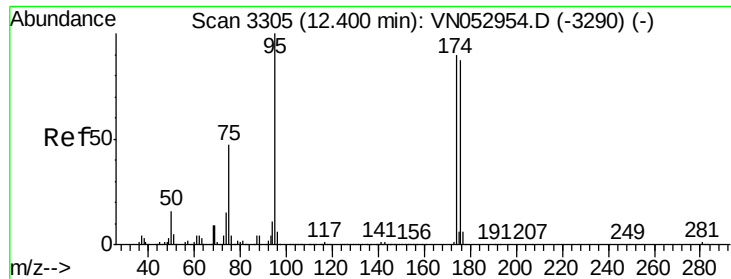


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

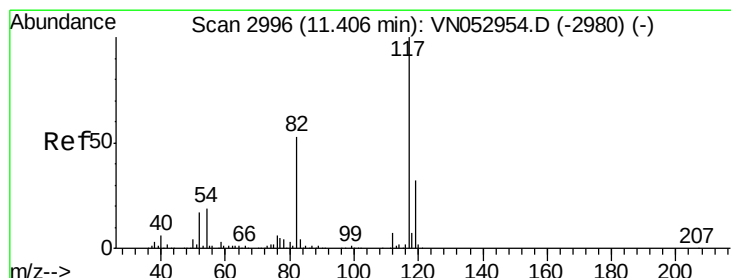
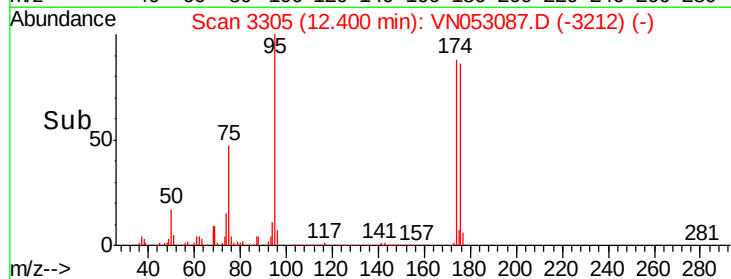
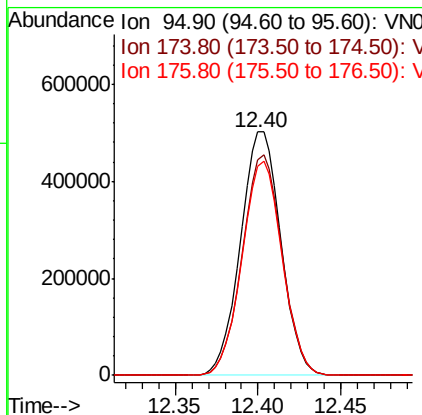
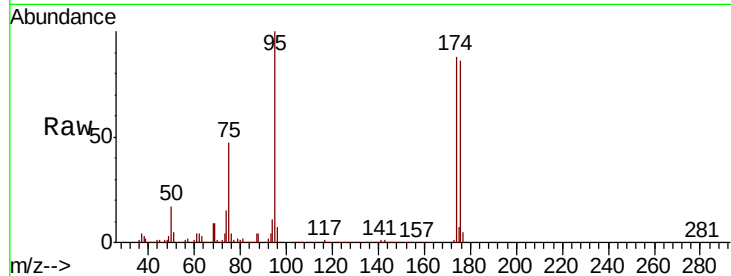




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

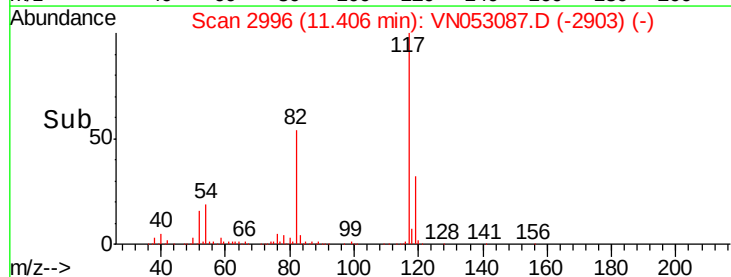
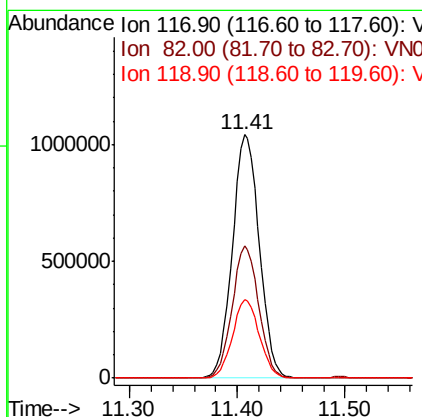
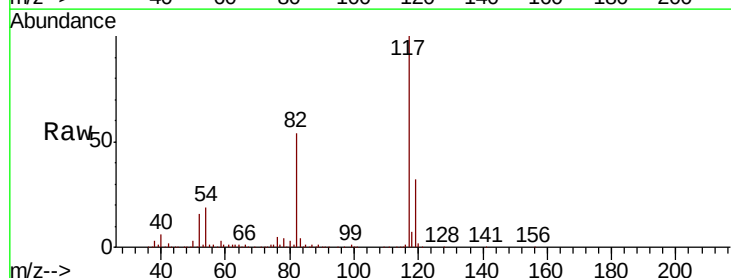
Instrument :
MSVOA_N
ClientSampleId :

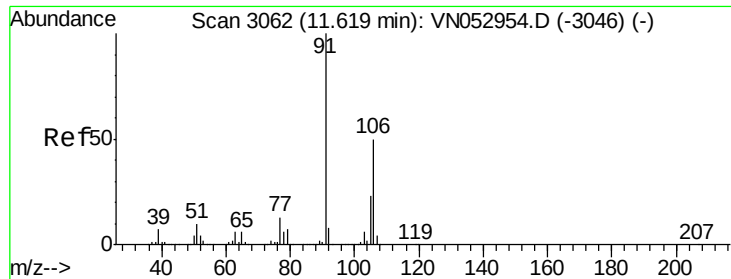
Tot Ion: 95 Resp: 847327
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 87.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

Tgt Ion: 117 Resp: 1811882
Ion Ratio Lower Upper
117 100
82 54.1 42.8 64.2
119 32.3 25.5 38.3

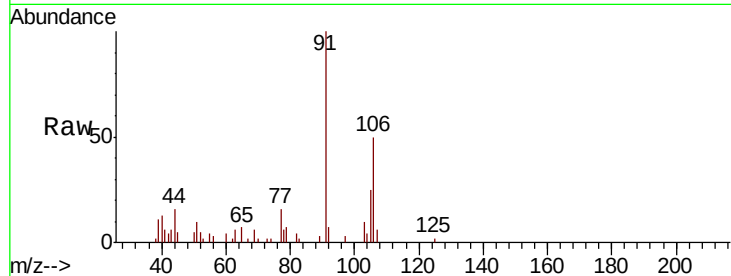




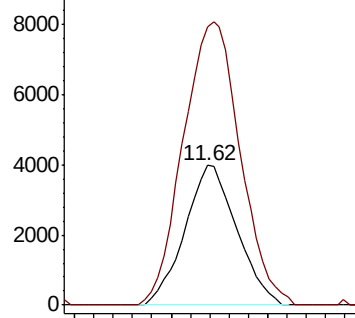
#68
m/p-Xylenes
Concen: 0.283 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

Instrument :
MSVOA_N
ClientSampled :

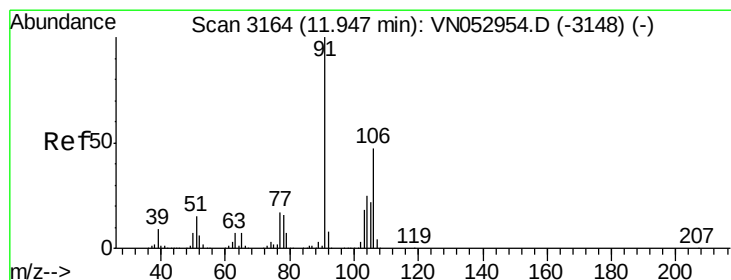
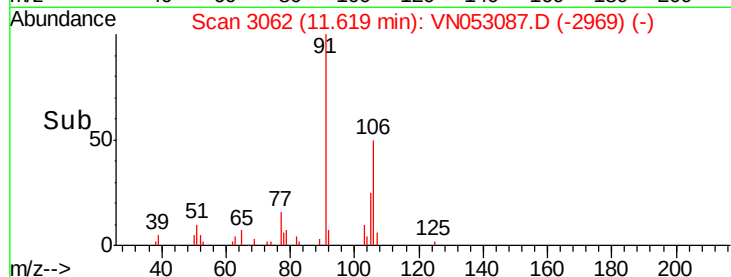
Tot Ion:106 Resp: 7434
Ion Ratio Lower Upper
106 100
91 222.6 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

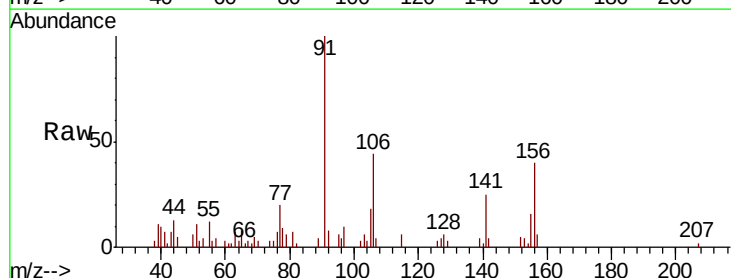


Time-->

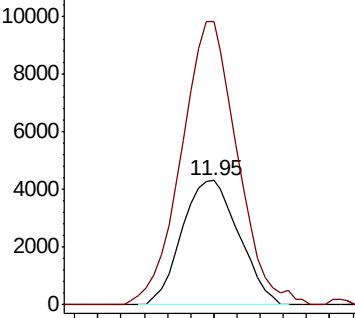


#69
o-Xylene
Concen: 0.291 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

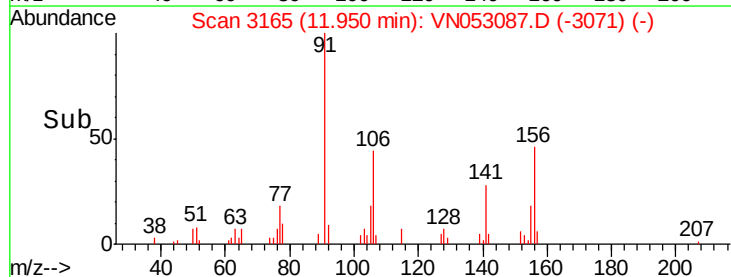
Tgt Ion:106 Resp: 7343
Ion Ratio Lower Upper
106 100
91 223.6 106.6 319.8

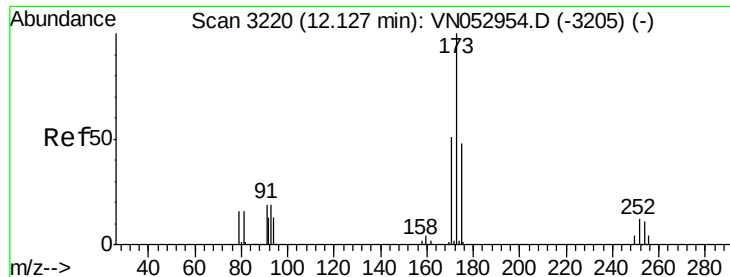


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



Time-->





#71

Bromoform

Concen: 0.487 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

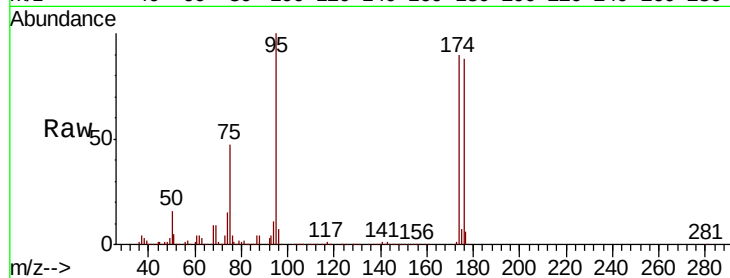
Tot Ion:173 Resp: 4916

Ion Ratio Lower Upper

173 100

175 984.2 24.3 72.9#

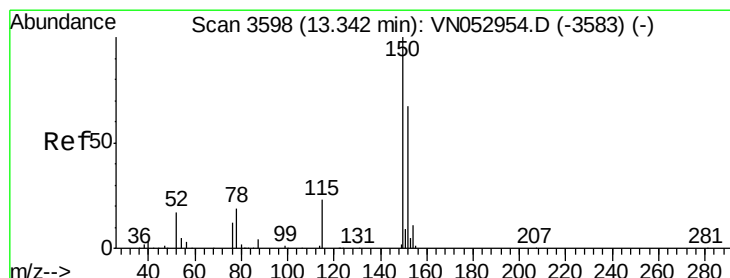
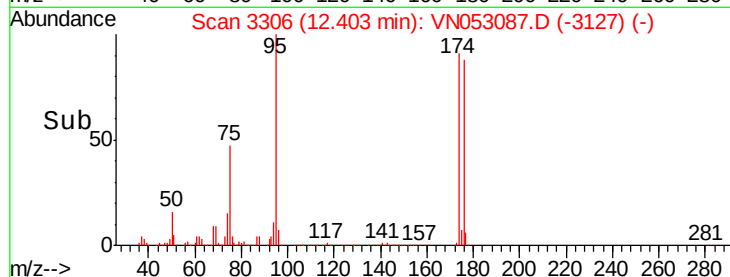
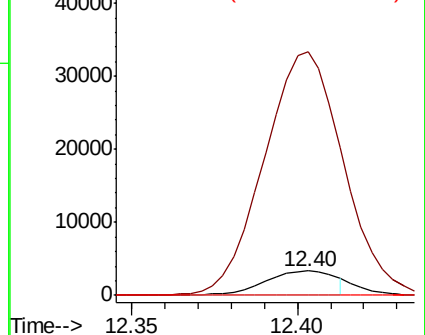
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

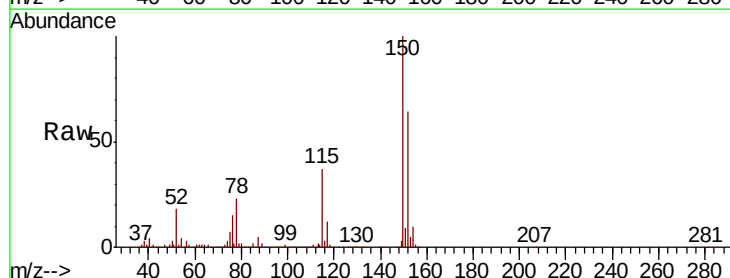
Tgt Ion:152 Resp: 819943

Ion Ratio Lower Upper

152 100

115 57.1 28.3 85.0

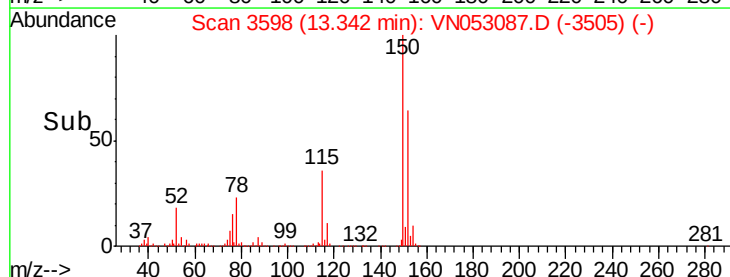
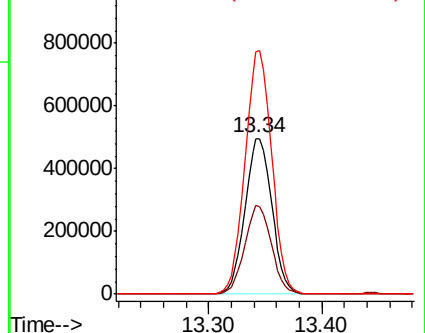
150 155.6 0.0 347.8

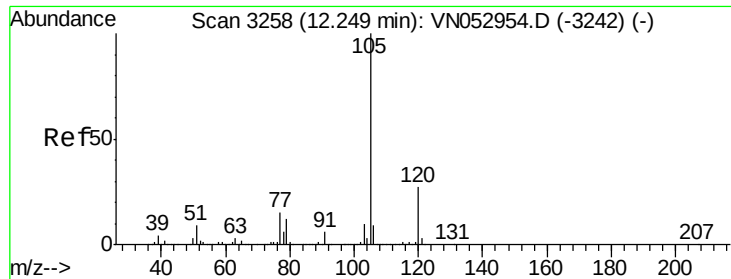


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.005 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

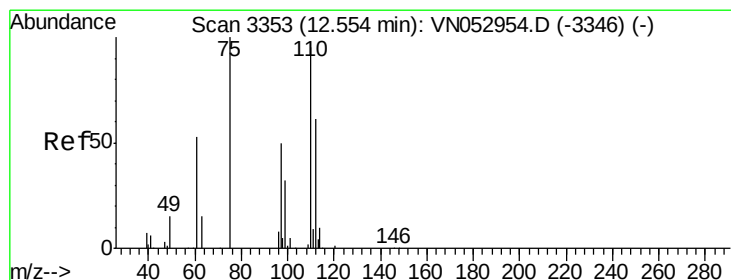
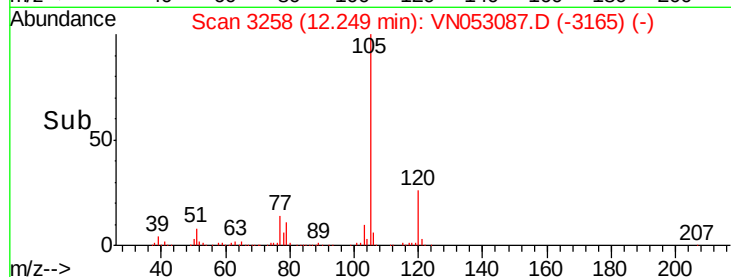
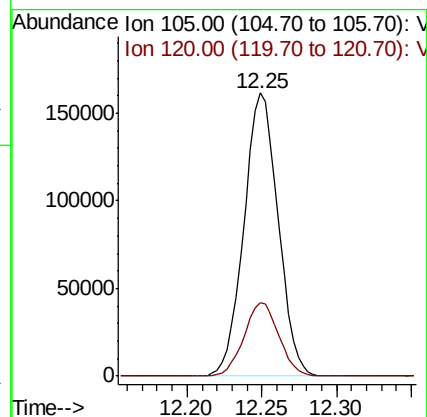
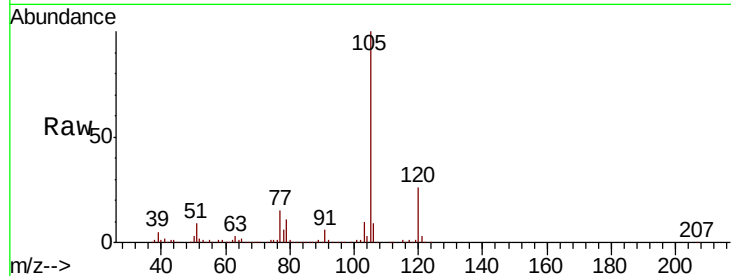
ClientSampleId :

Tot Ion:105 Resp: 256924

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 28.690 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053087.D

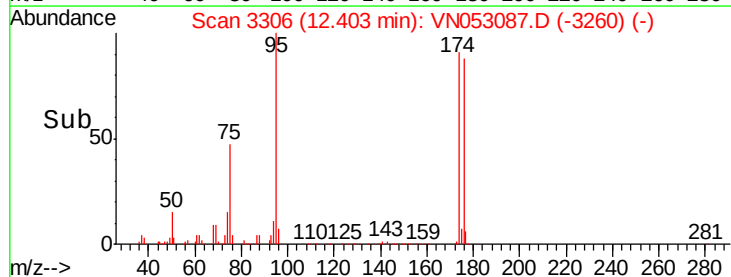
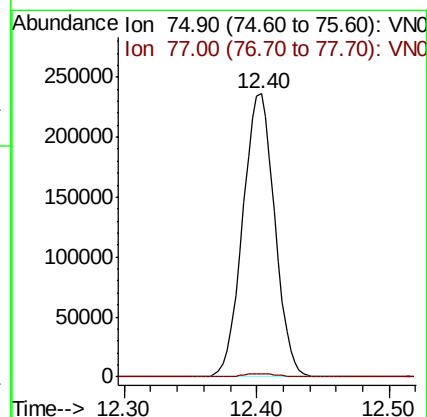
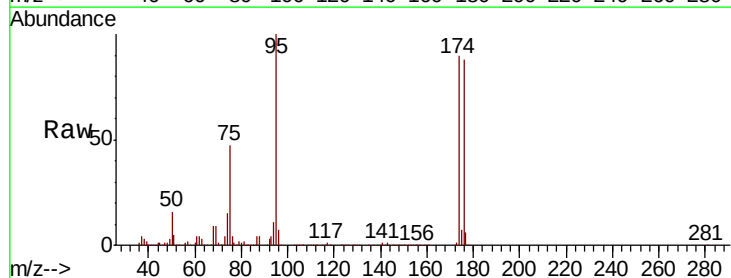
Acq: 21 Dec 2018 5:43

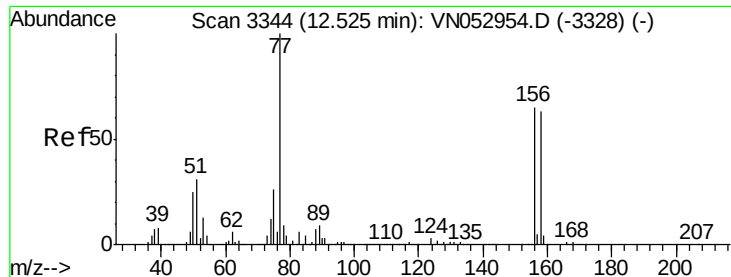
Tgt Ion: 75 Resp: 396007

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#77

Bromobenzene

Concen: 1.754 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampled :

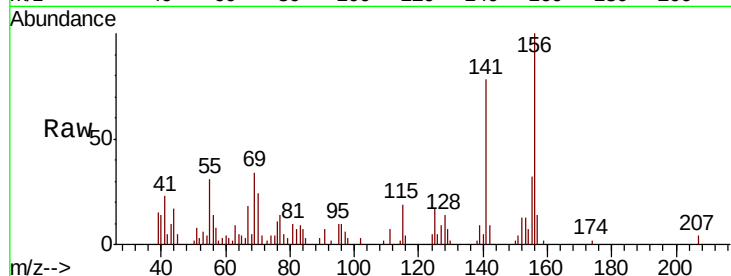
Tot Ion:156 Resp: 29257

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

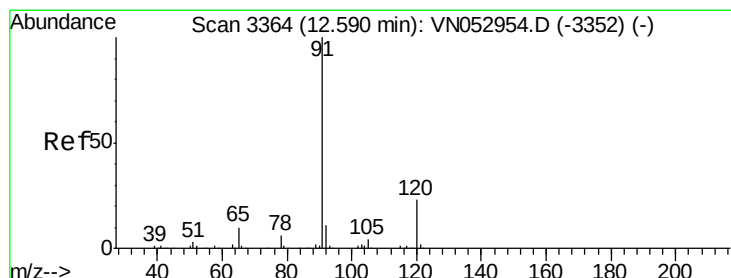
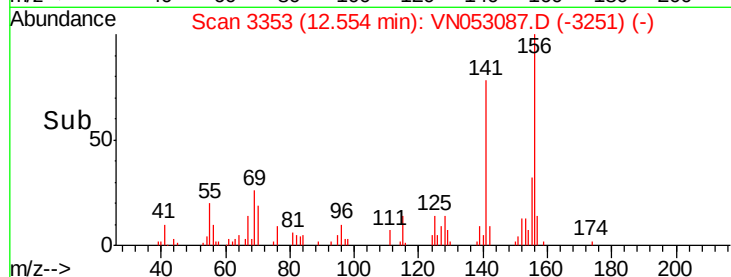
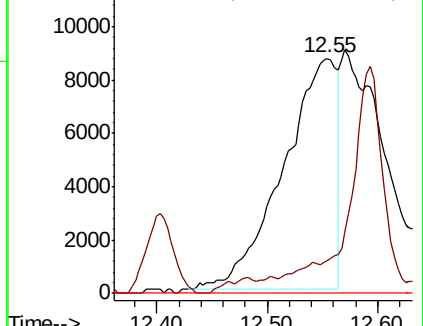
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.734 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053087.D

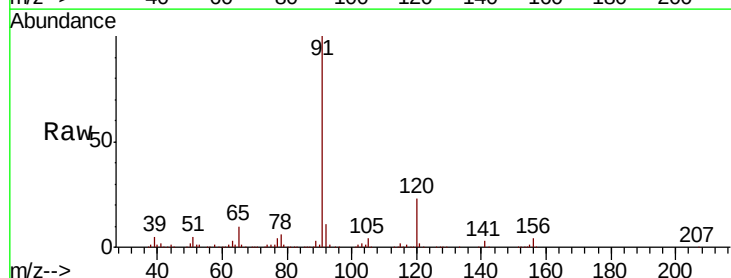
Acq: 21 Dec 2018 5:43

Tgt Ion: 91 Resp: 345859

Ion Ratio Lower Upper

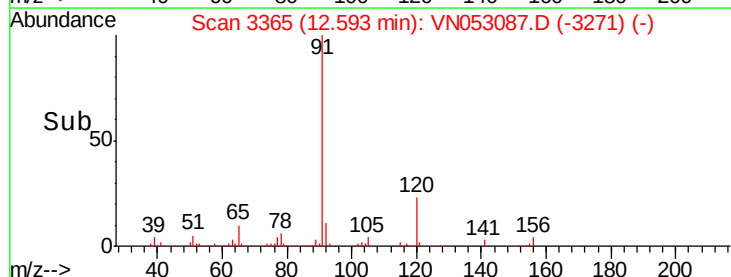
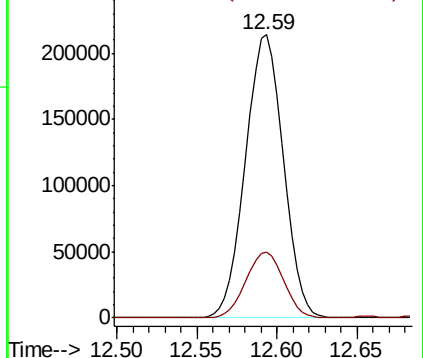
91 100

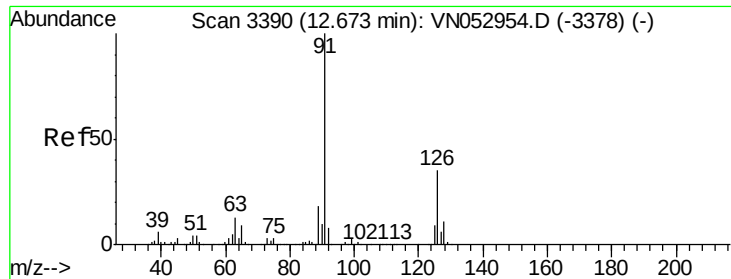
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 7.637 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

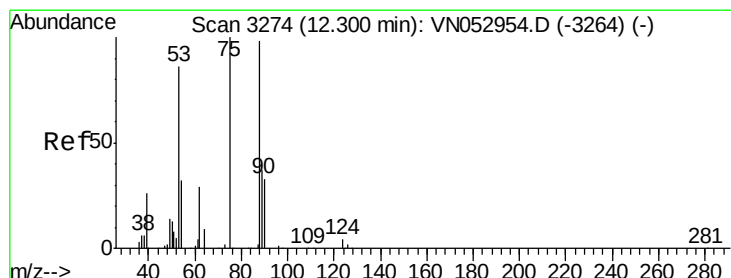
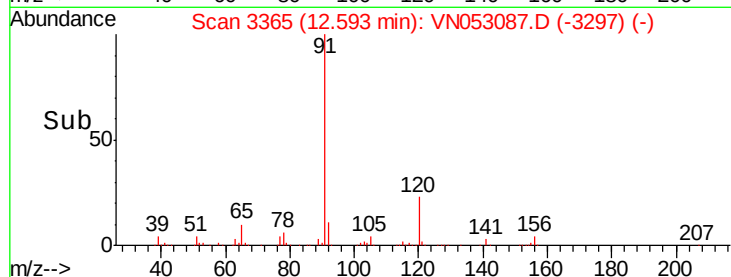
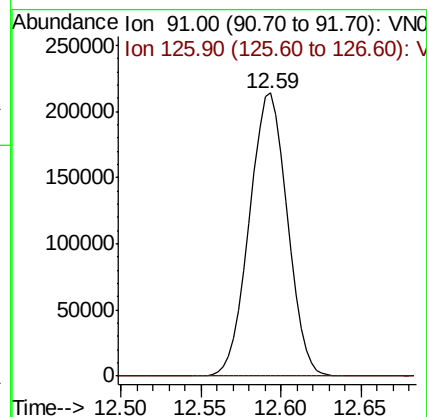
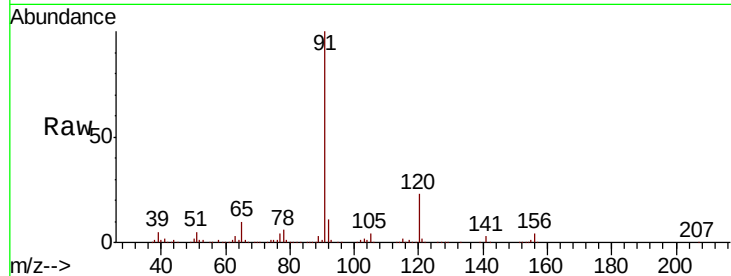
ClientSampleId :

Tot Ion: 91 Resp: 345859

Ion Ratio Lower Upper

91 100

126 0.1 17.4 52.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.472 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

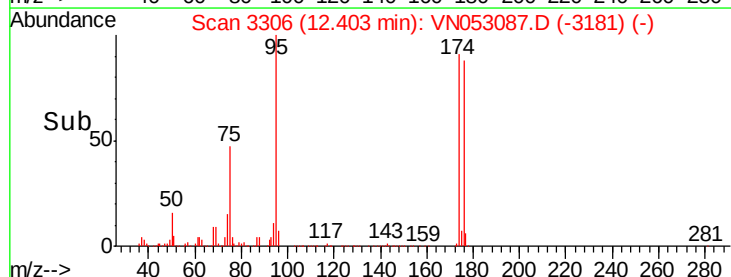
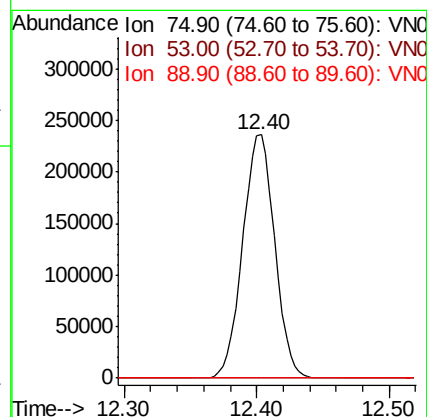
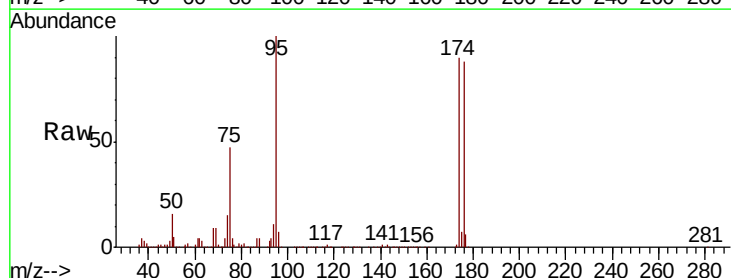
Tgt Ion: 75 Resp: 396007

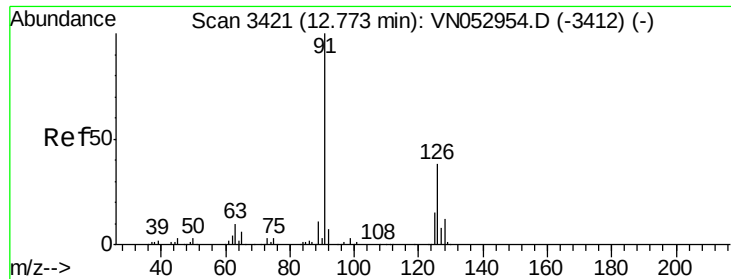
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 7.801 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

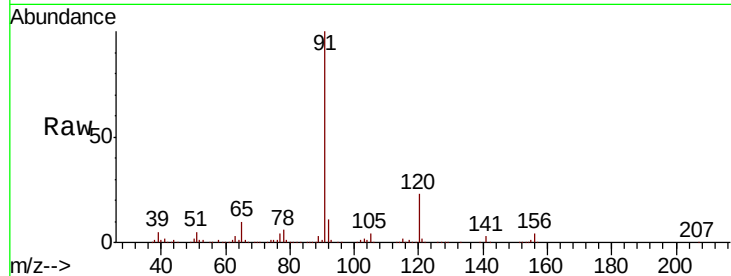
ClientSampleId :

Tot Ion: 91 Resp: 345859

Ion Ratio Lower Upper

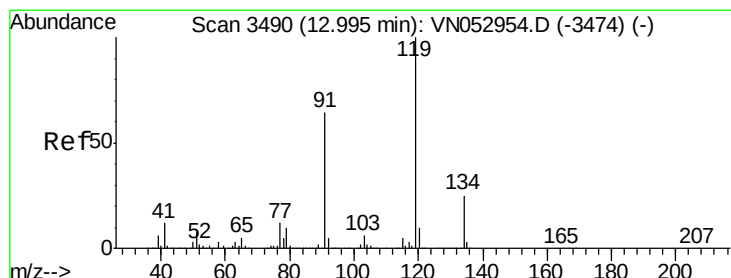
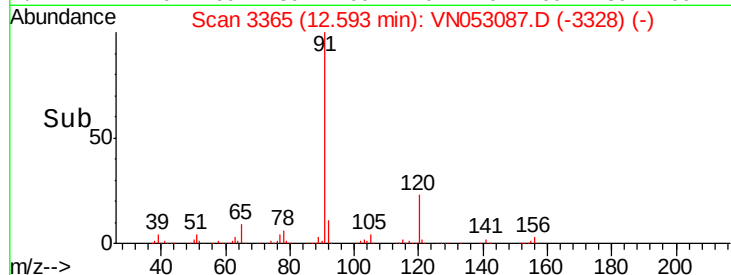
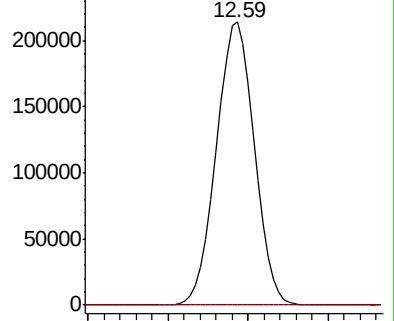
91 100

126 0.1 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN053087.D (-3365) (-)

Ion 125.90 (125.60 to 126.60): VN053087.D (-3365) (-)



#83

tert-Butylbenzene

Concen: 0.640 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

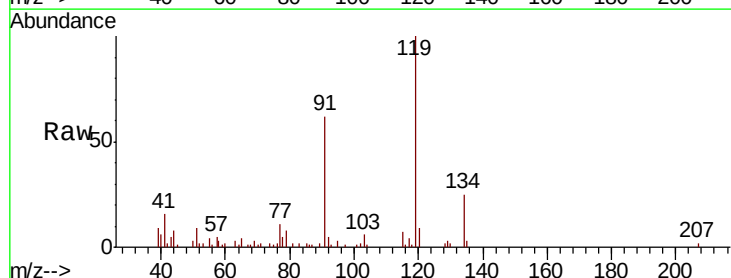
Tgt Ion: 119 Resp: 29611

Ion Ratio Lower Upper

119 100

91 65.5 31.9 95.5

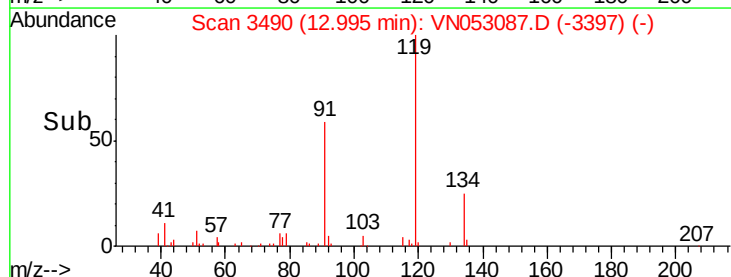
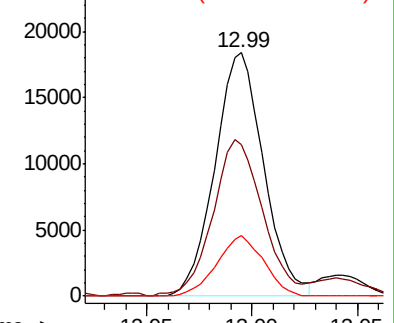
134 23.8 12.8 38.4

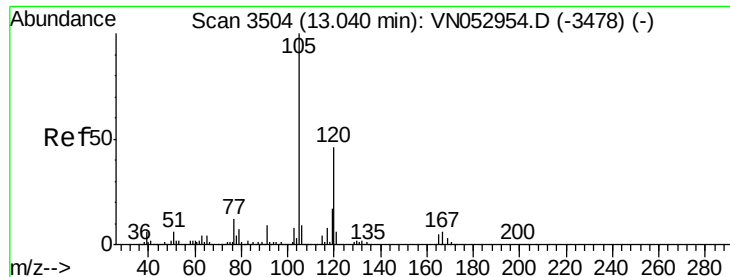


Abundance Ion 119.00 (118.70 to 119.70): VN053087.D (-3490) (-)

Ion 91.00 (90.70 to 91.70): VN053087.D (-3490) (-)

Ion 134.00 (133.70 to 134.70): VN053087.D (-3490) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.397 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

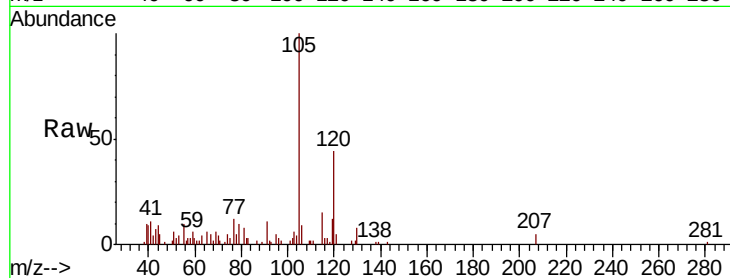
ClientSampleId :

Tot Ion:105 Resp: 20847

Ion Ratio Lower Upper

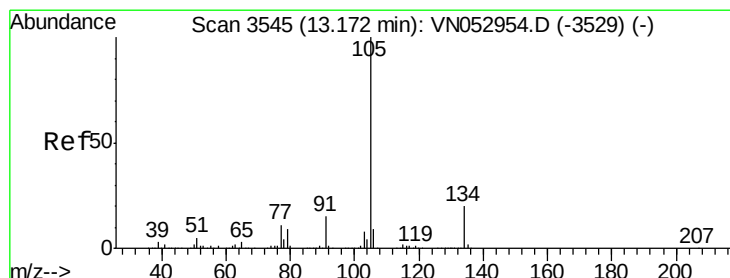
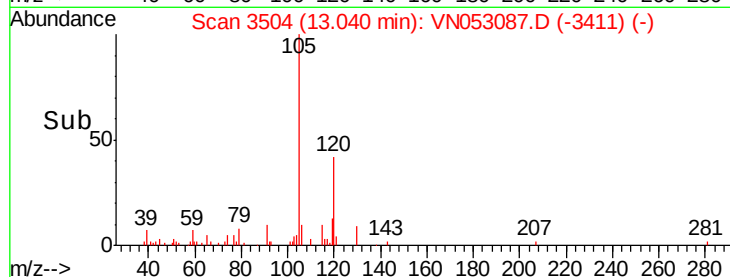
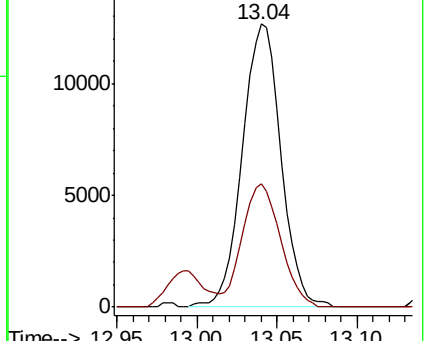
105 100

120 43.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.116 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053087.D

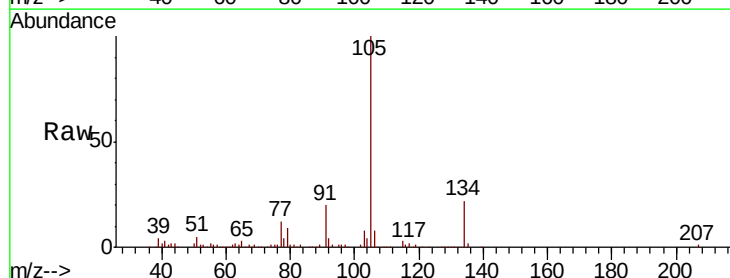
Acq: 21 Dec 2018 5:43

Tgt Ion:105 Resp: 132386

Ion Ratio Lower Upper

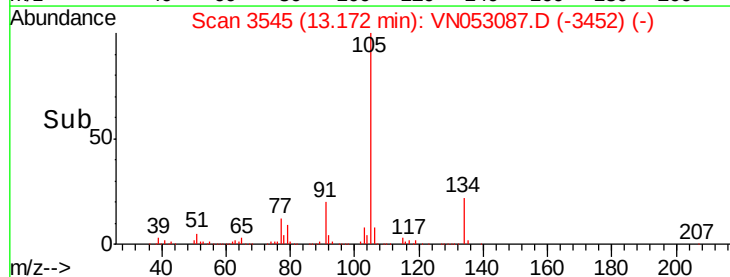
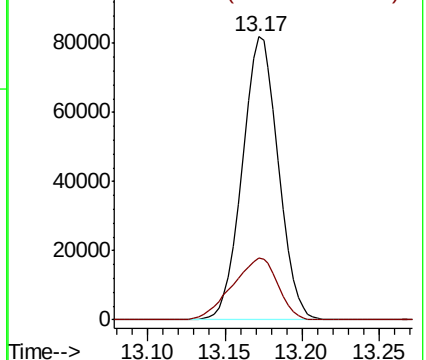
105 100

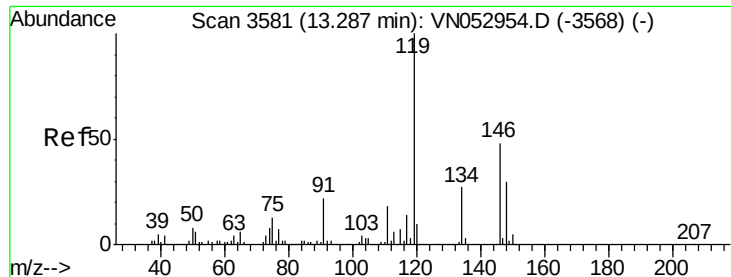
134 27.9 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

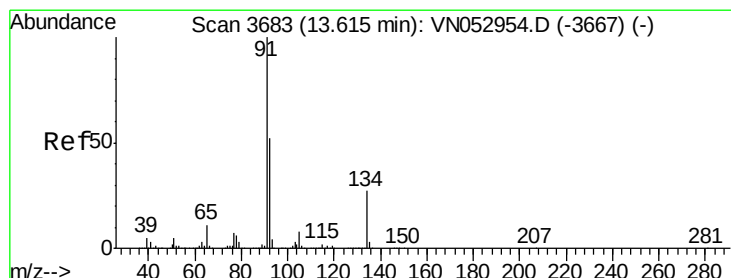
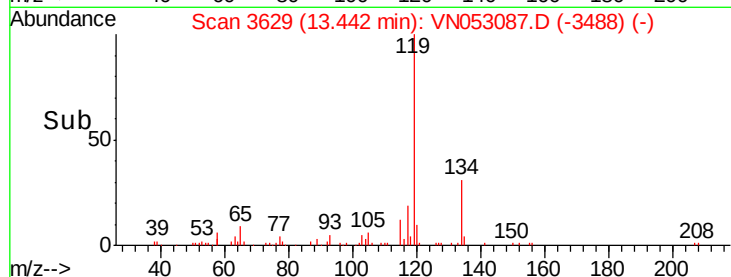
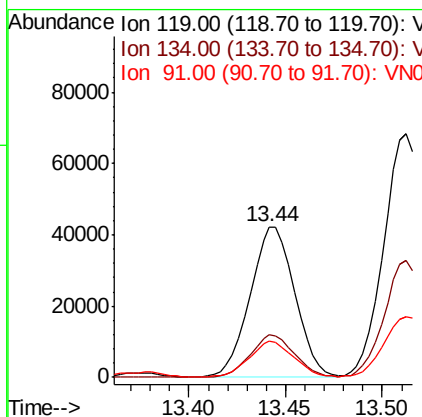
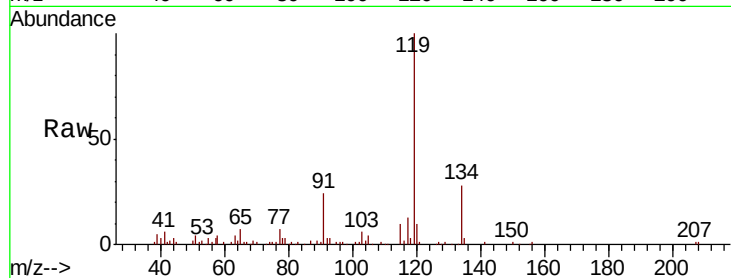




#86
p-Isopropyltoluene
Concen: 1.241 ug/l
RT: 13.44 min Scan# 3629
Delta R.T. 0.15 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

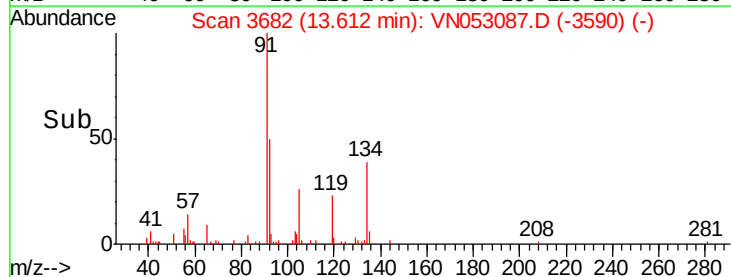
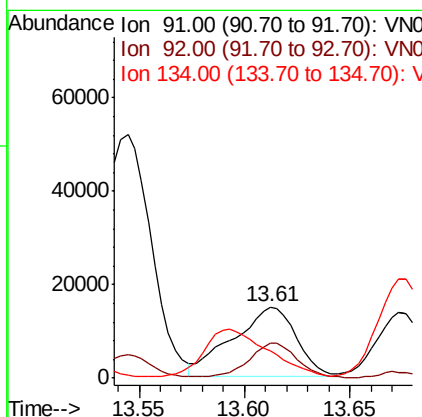
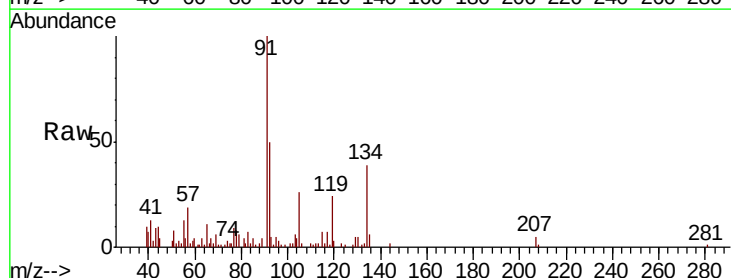
Instrument :
MSVOA_N
ClientSampleId :

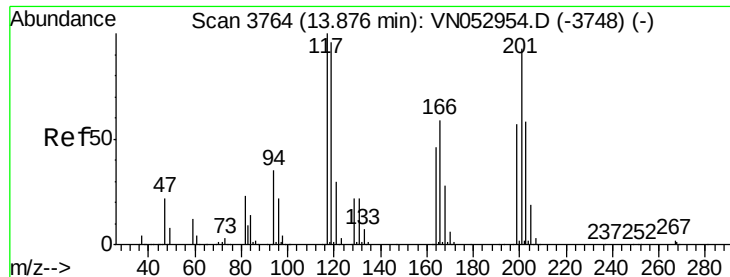
Tot Ion:119 Resp: 67051
Ion Ratio Lower Upper
119 100
134 28.2 13.4 40.2
91 23.1 11.1 33.3



#89
n-Butylbenzene
Concen: 0.676 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053087.D
Acq: 21 Dec 2018 5:43

Tgt Ion: 91 Resp: 31418
Ion Ratio Lower Upper
91 100
92 38.7 26.3 78.9
134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 4.398 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

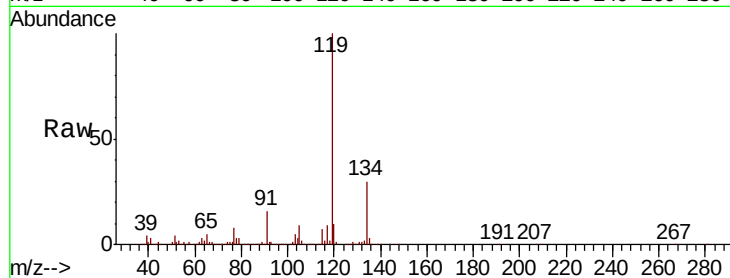
ClientSampleId :

Tot Ion:117 Resp: 36478

Ion Ratio Lower Upper

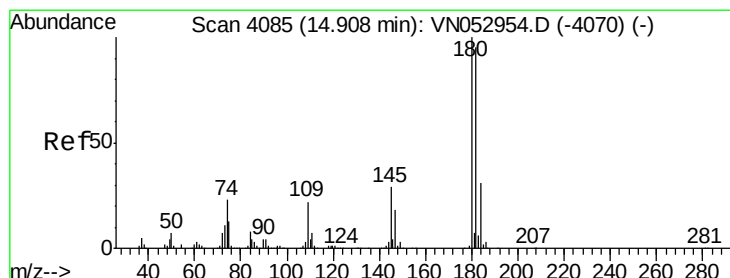
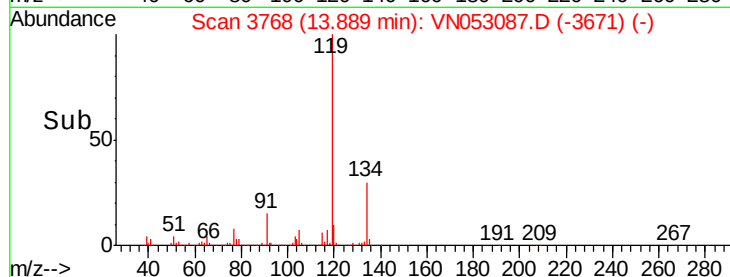
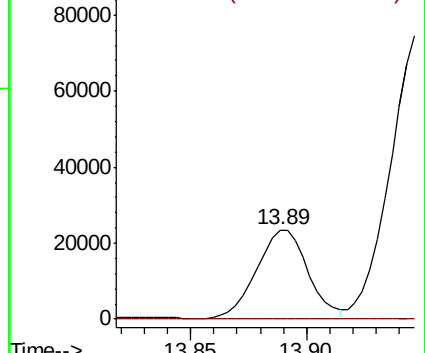
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.598 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

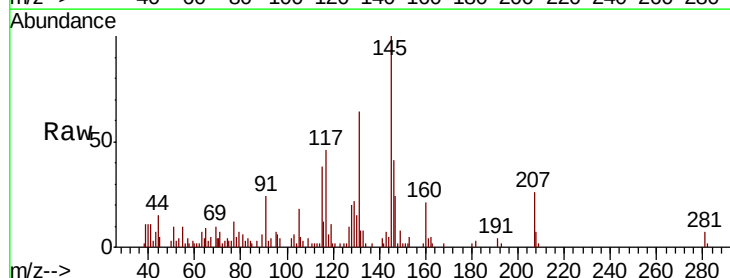
Tgt Ion:180 Resp: 30

Ion Ratio Lower Upper

180 100

182 626.7 47.8 143.3#

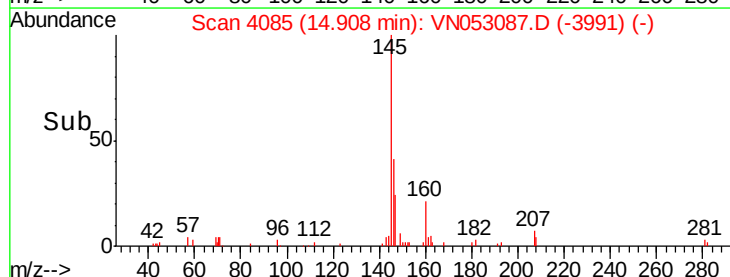
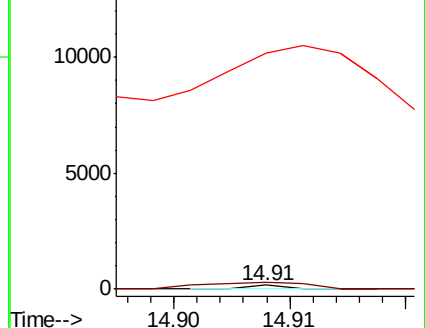
145 31723.3 14.2 42.6#

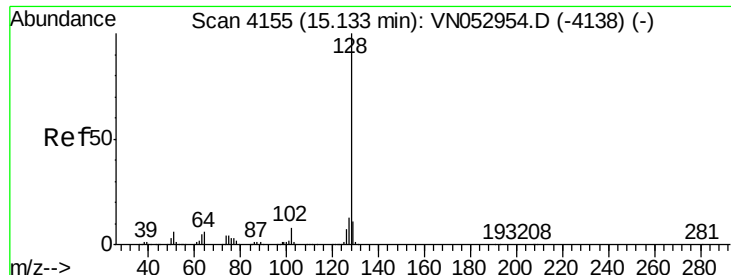


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 6.753 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053087.D

Acq: 21 Dec 2018 5:43

Instrument :

MSVOA_N

ClientSampleId :

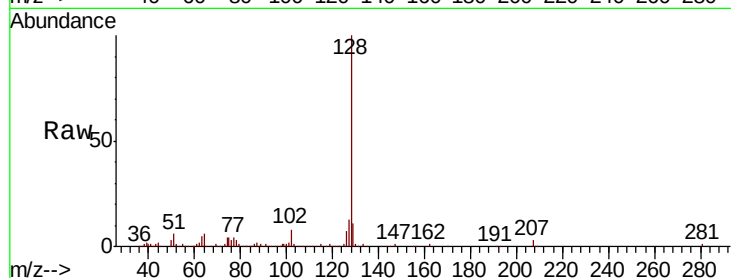
Tot Ion:128 Resp: 184977

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.7 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

