

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052939.D
 Acq On : 17 Dec 2018 20:31
 Operator : MD\SY
 Sample : J6425-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:47:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1236832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1898354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1708561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	766379	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	614912	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	476713	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
50) Toluene-d8	10.09	98	2331198	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	798058	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	792	1.078	ug/l #	74
16) Acetone	3.82	43	405740	137.370	ug/l	95
18) Methyl Acetate	4.33	43	9918	0.915	ug/l #	81
20) Methylene Chloride	4.55	84	62150	4.676	ug/l	99
25) 2-Butanone	6.84	43	68691	14.988	ug/l	98
31) Cyclohexane	7.67	56	20847	0.360	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81823	4.681	ug/l #	49
37) Ethyl Acetate	6.93	43	72603	6.913	ug/l	98
38) Carbon Tetrachloride	7.67	117	107103	6.656	ug/l #	16
41) Methacrylonitrile	7.20	41	1880	0.323	ug/l #	38
43) Isopropyl Acetate	8.31	43	1150802	53.448	ug/l #	53
48) Methyl methacrylate	9.20	41	1999	0.212	ug/l #	83
51) 4-Methyl-2-Pentanone	9.98	43	1006213	101.916	ug/l	100
52) Toluene	10.16	92	4238723	133.386	ug/l	100
59) 2-Hexanone	10.85	43	999516	147.723	ug/l #	26
60) Dibromochloromethane	10.63	129	55584	4.534	ug/l #	11
64) Tetrachloroethene	10.63	164	64864	4.417	ug/l	99
67) Ethyl Benzene	11.51	91	1886428	30.990	ug/l	100
68) m/p-Xylenes	11.62	106	4039743	176.740	ug/l	99
69) o-Xylene	11.95	106	1647631	73.820	ug/l	100
70) Styrene	11.96	104	218119	6.079	ug/l #	1
71) Bromoform	12.40	173	4066	0.485	ug/l #	1
73) Isopropylbenzene	12.25	105	64190	1.122	ug/l	99
74) N-amyl acetate	12.03	43	361437	23.008	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	370257	32.746	ug/l #	100
77) Bromobenzene	12.56	156	11368	0.781	ug/l #	1
78) n-propylbenzene	12.59	91	162774	2.494	ug/l	100
79) 2-Chlorotoluene	12.65	91	71681	1.858	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	236731	5.125	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	370257	105.195	ug/l #	12
82) 4-Chlorotoluene	12.73	91	22479	0.570	ug/l #	40
83) tert-Butylbenzene	13.04	119	77698	1.907	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	619745	13.253	ug/l	100
85) sec-Butylbenzene	13.04	105	619745	11.231	ug/l #	56

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

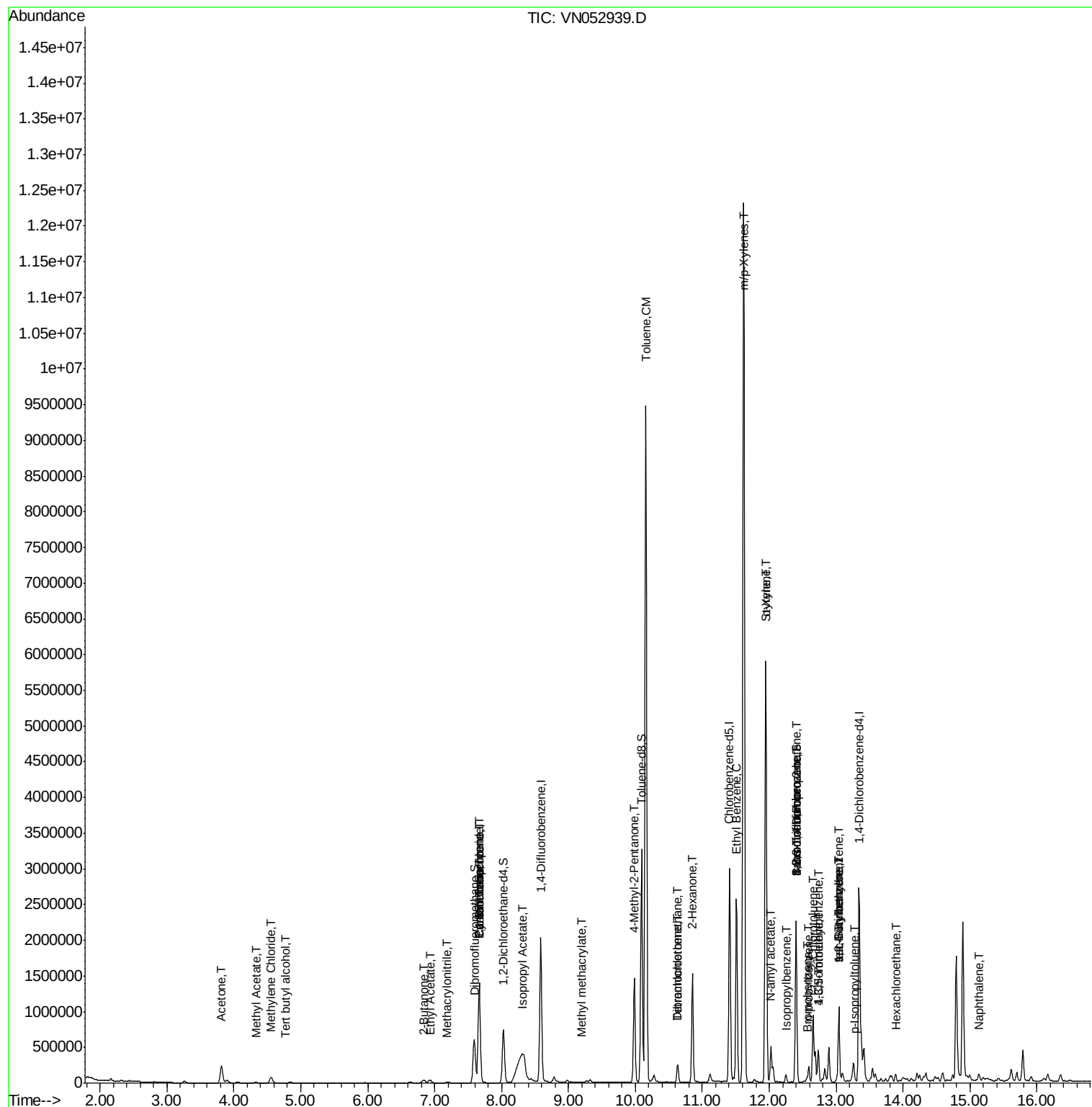
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.29	119	11996	0.251	ug/l #	76
90) Hexachloroethane	13.89	117	4806	0.600	ug/l #	4
95) Naphthalene	15.13	128	81091	2.895	ug/l	99

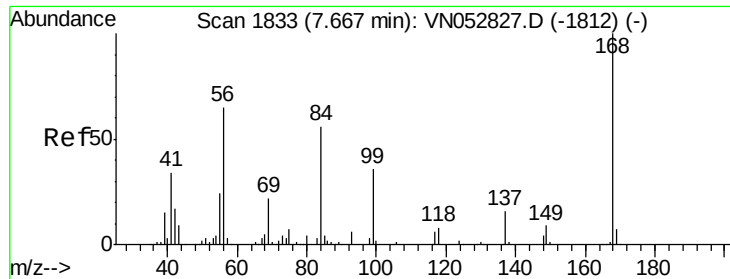
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121718\
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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: VN052939.D

Acq: 17 Dec 2018 20:31

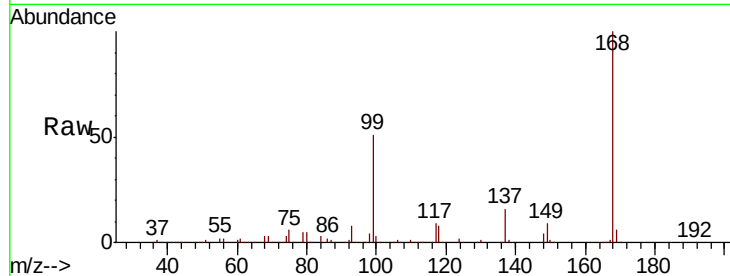
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1236832

Ion Ratio Lower Upper

168 100

99 51.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

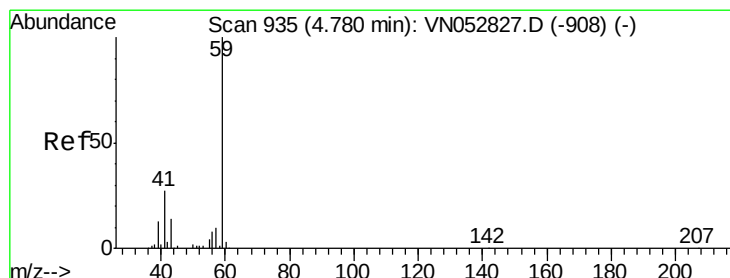
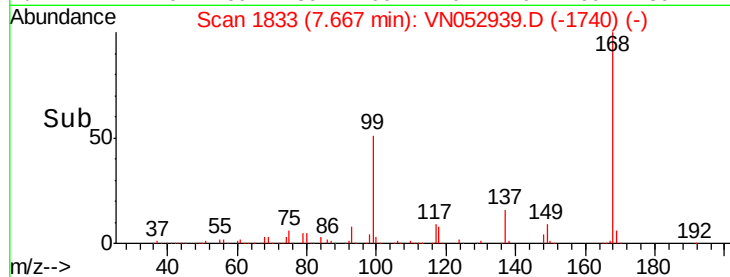
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.078 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN052939.D

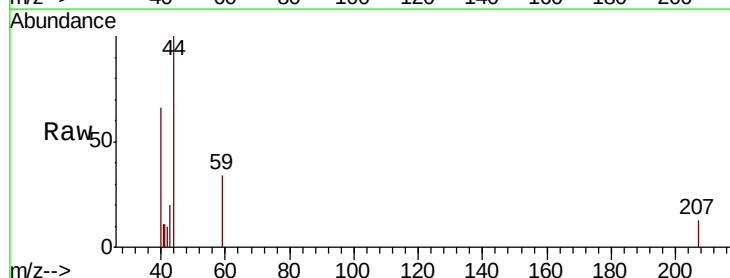
Acq: 17 Dec 2018 20:31

Tgt Ion: 59 Resp: 792

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.76

600

500

400

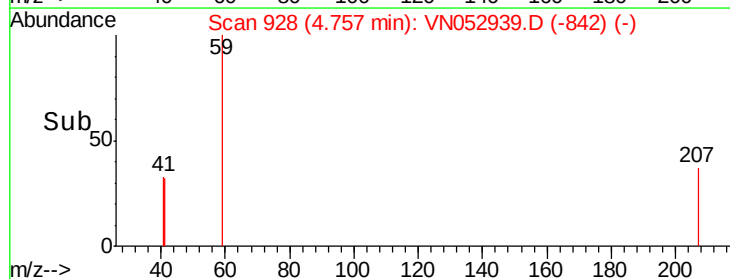
300

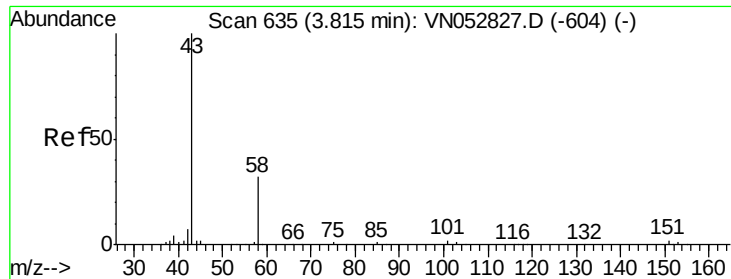
200

100

0

Time-->





#16

Acetone

Concen: 137.370 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

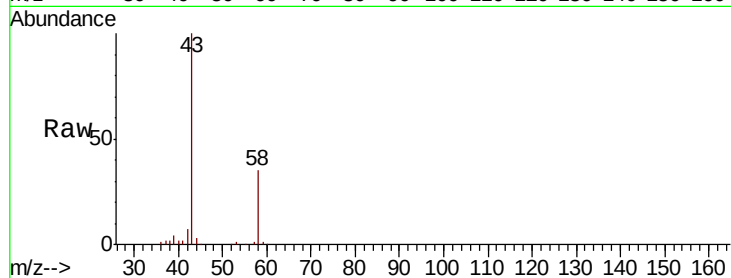
ClientSampled :

Tot Ion: 43 Resp: 405740

Ion Ratio Lower Upper

43 100

58 34.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

100000

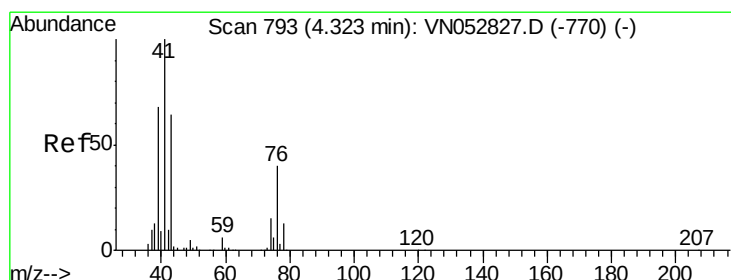
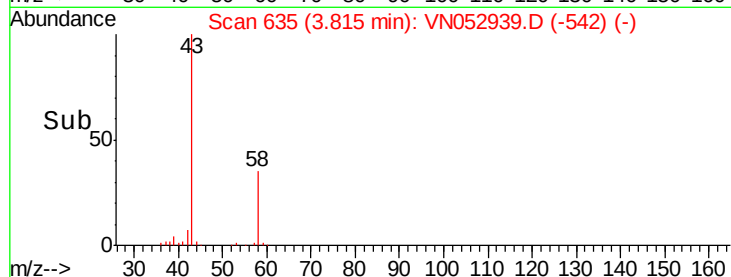
50000

0

3.82

3.70 3.80 3.90

Time-->



#18

Methyl Acetate

Concen: 0.915 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN052939.D

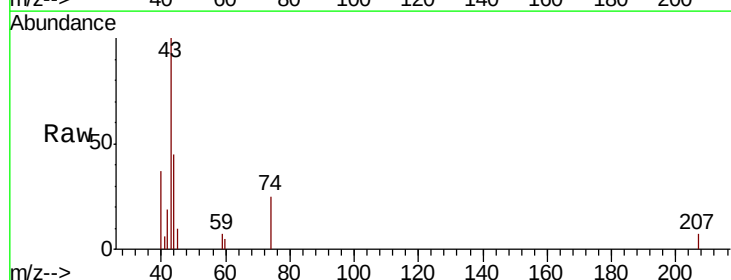
Acq: 17 Dec 2018 20:31

Tgt Ion: 43 Resp: 9918

Ion Ratio Lower Upper

43 100

74 14.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4000

3000

2000

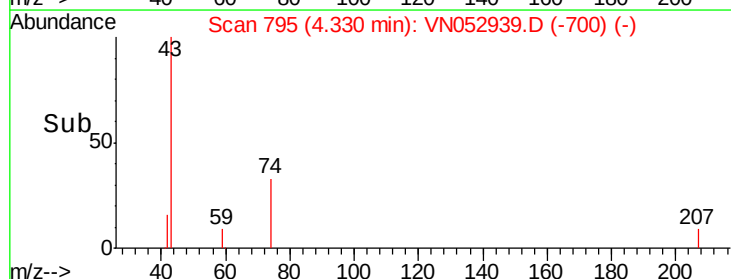
1000

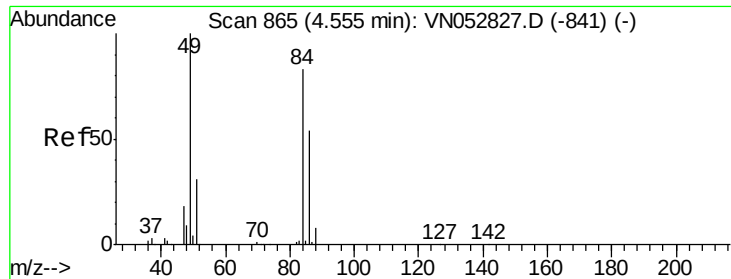
0

4.33

4.25 4.30 4.35 4.40 4.45

Time-->

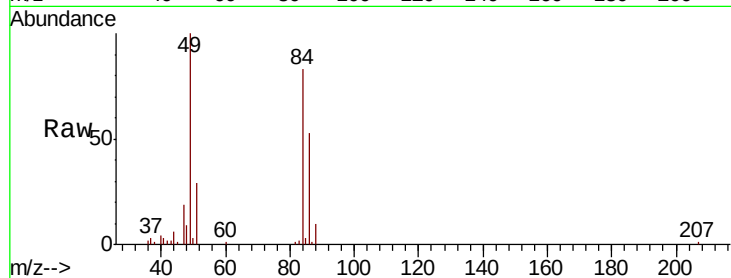




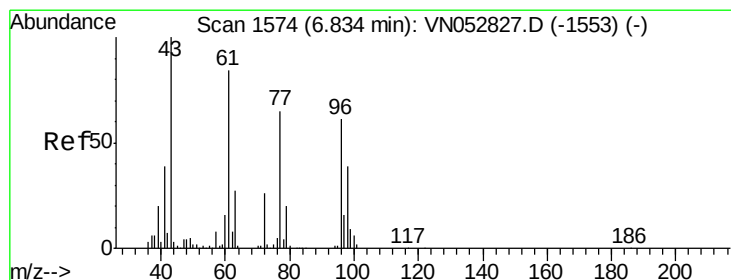
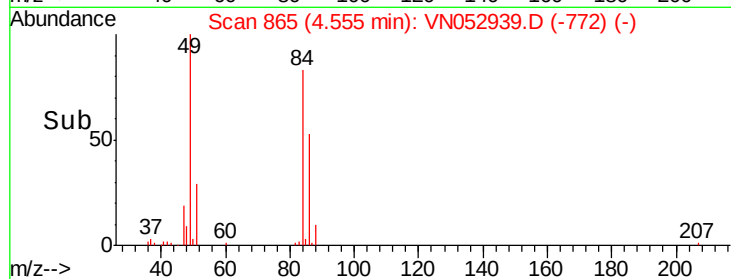
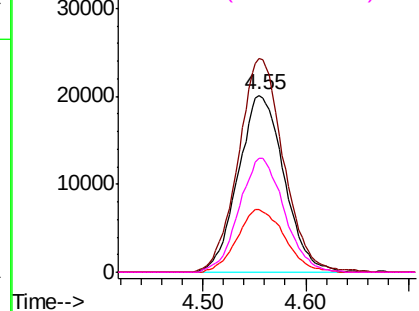
#20
Methvlene Chloride
Concen: 4.676 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	62150
Ion	Ratio	Lower	Upper
84	100		
49	120.7	96.8	145.2
51	35.3	29.9	44.9
86	64.5	51.8	77.6

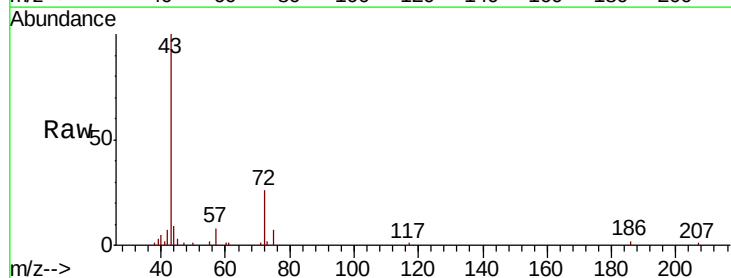


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

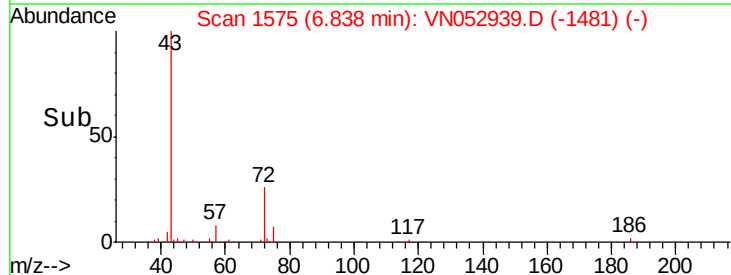
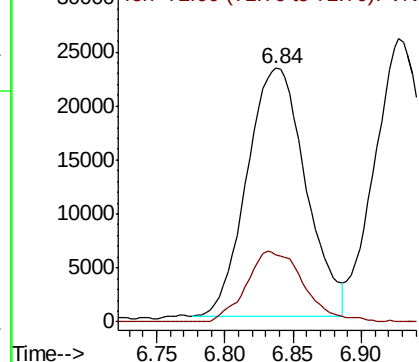


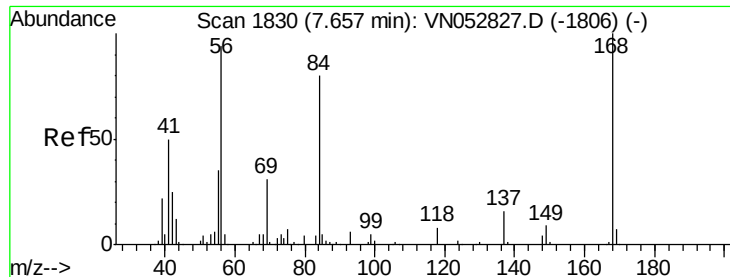
#25
2-Butanone
Concen: 14.988 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion:	43	Resp:	68691
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.0	31.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

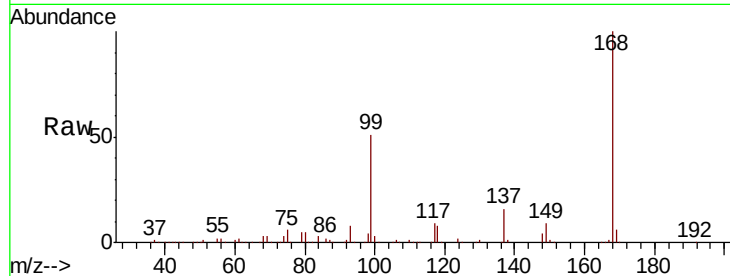




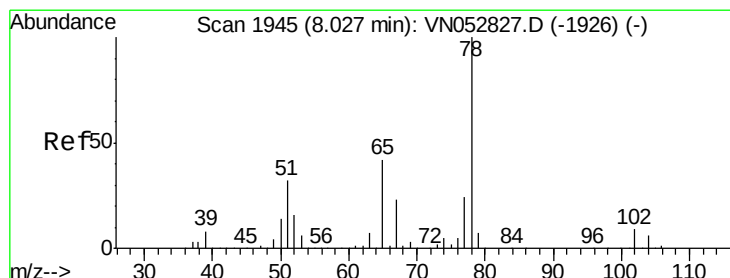
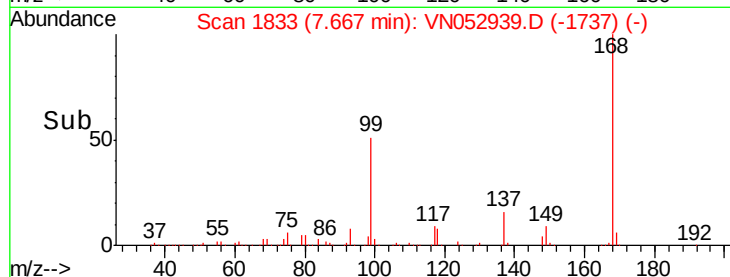
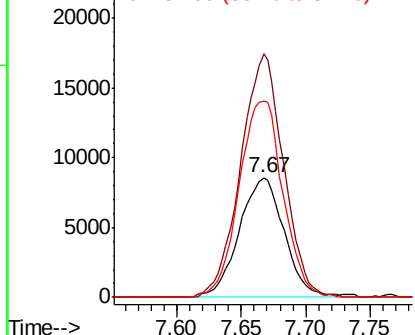
#31
Cyclohexane
Concen: 0.360 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 20847
Ion Ratio Lower Upper
56 100
69 203.2 26.6 39.8#
84 163.9 68.4 102.6#

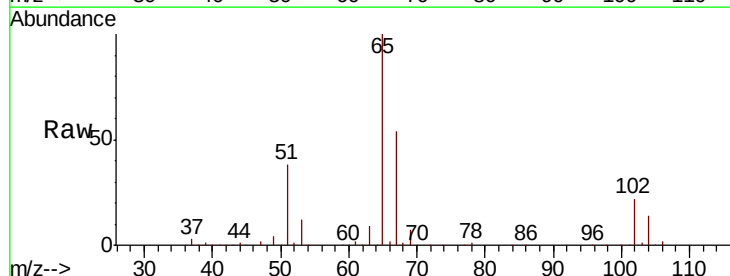


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

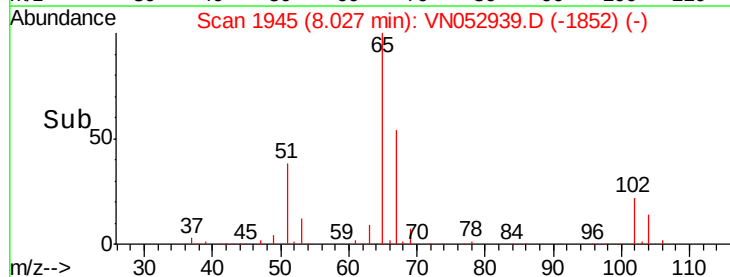
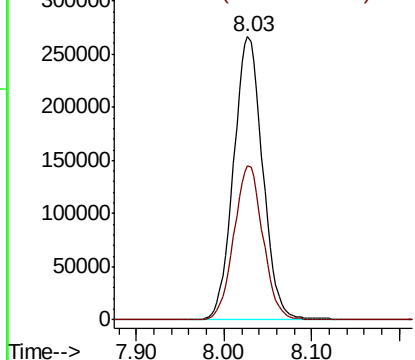


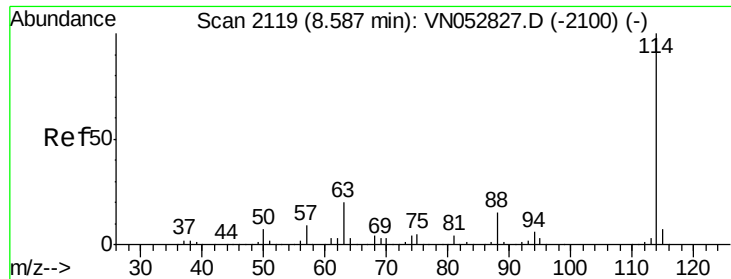
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion: 65 Resp: 614912
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

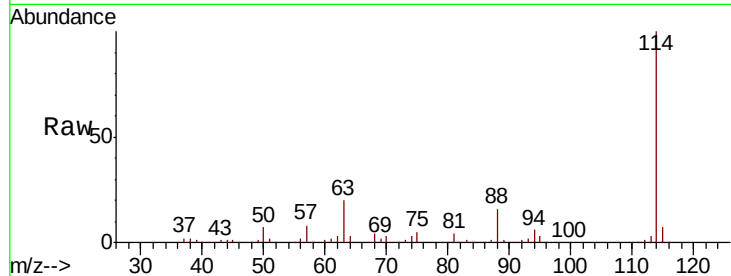




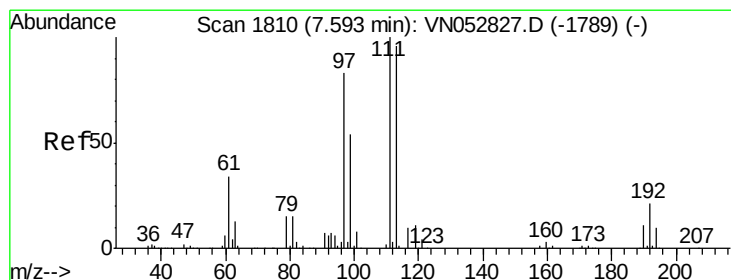
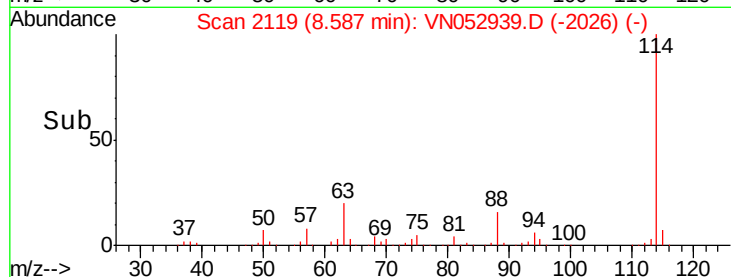
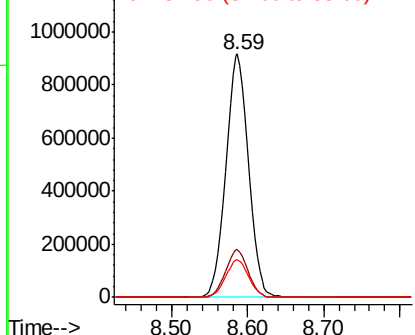
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1898354
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0

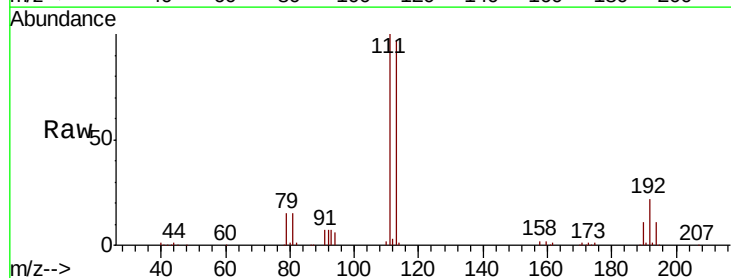


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

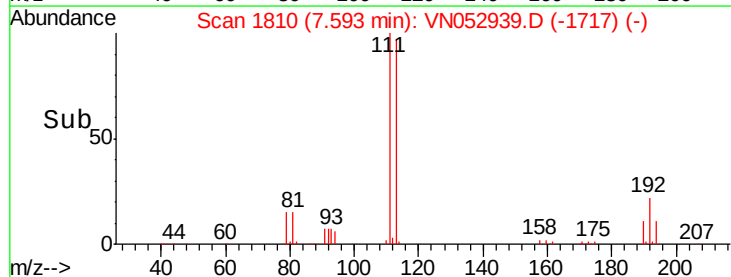
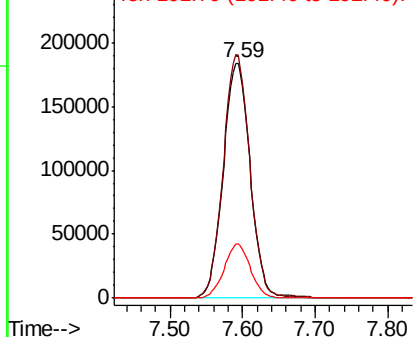


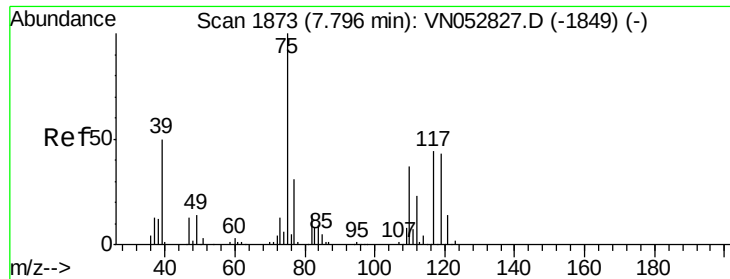
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Tgt Ion:113 Resp: 476713
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 22.4 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

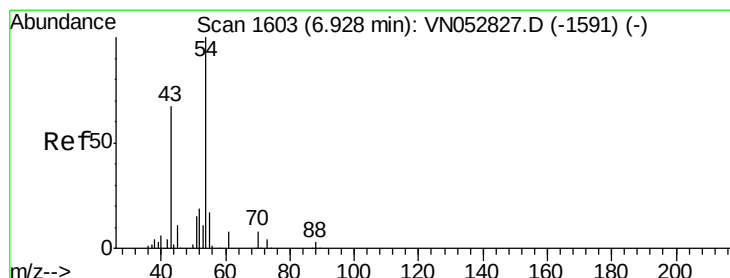
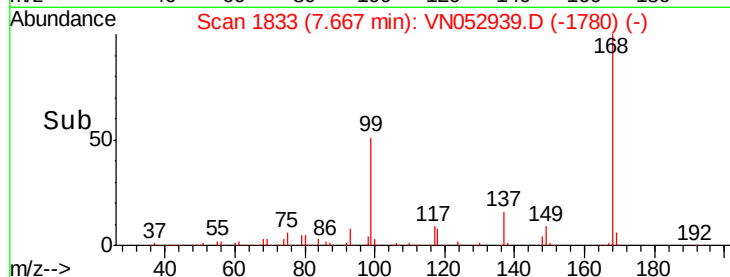
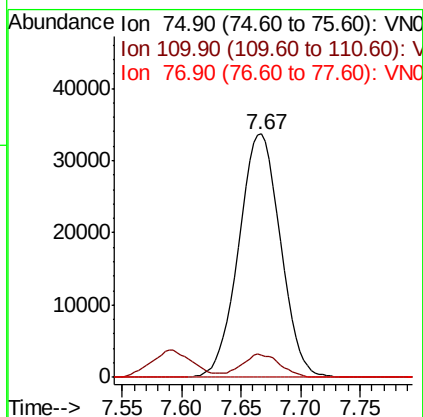
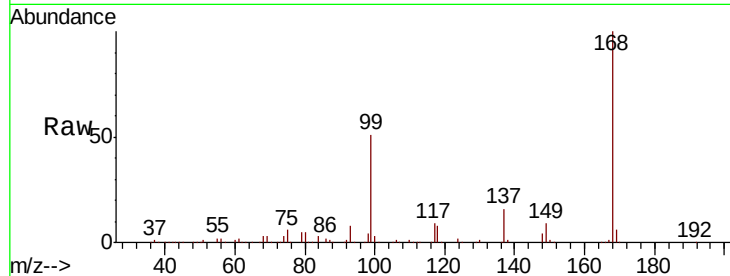




#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

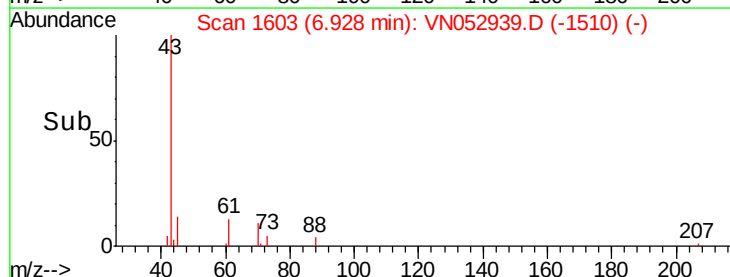
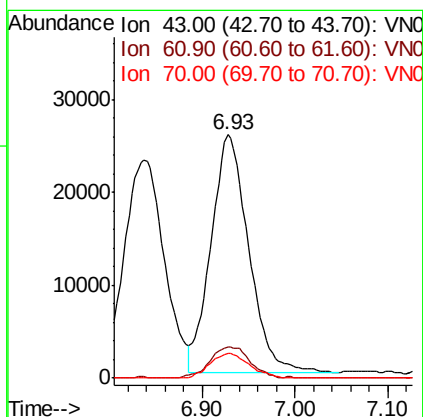
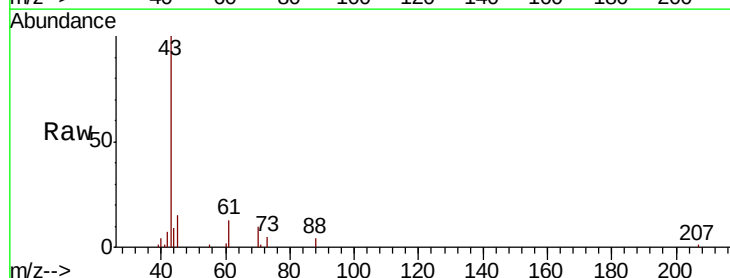
Instrument :
 MSVOA_N
 ClientSampleId :

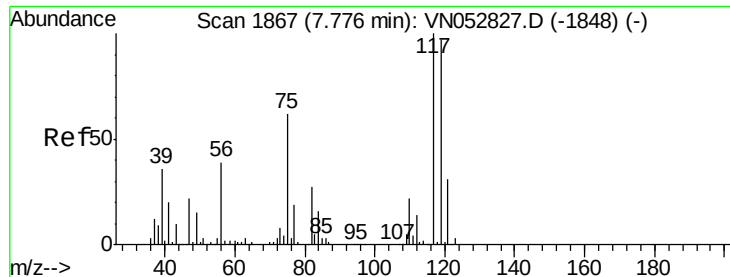
Tot Ion: 75 Resp: 81823
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.2 54.6#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 6.913 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Tgt Ion: 43 Resp: 72603
 Ion Ratio Lower Upper
 43 100
 61 13.8 11.8 17.6
 70 10.8 8.4 12.6





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

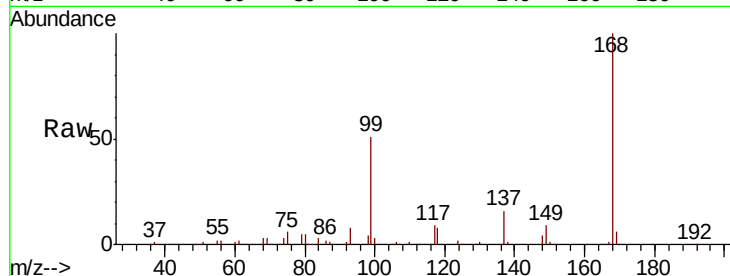
Tot Ion:117 Resp: 107103

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

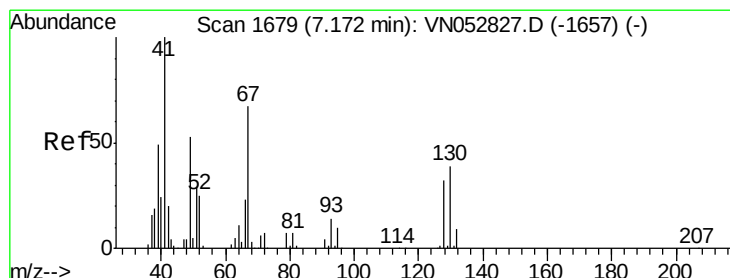
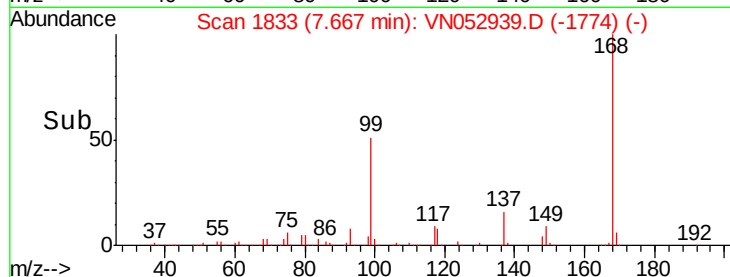
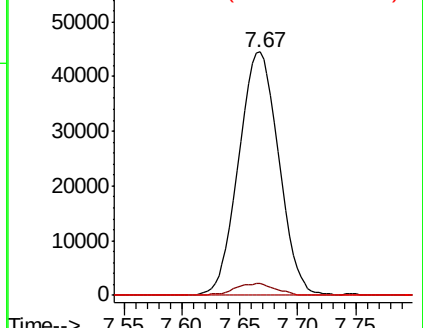
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.323 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Tgt Ion: 41 Resp: 1880

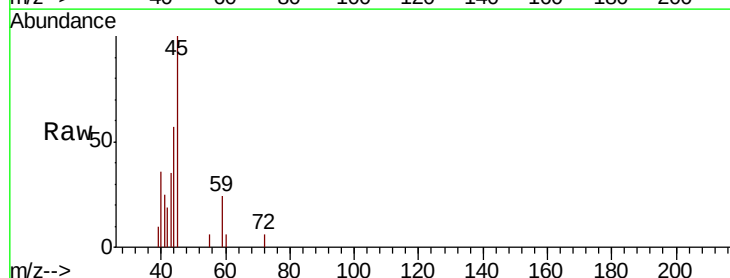
Ion Ratio Lower Upper

41 100

39 48.1 48.0 72.0

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

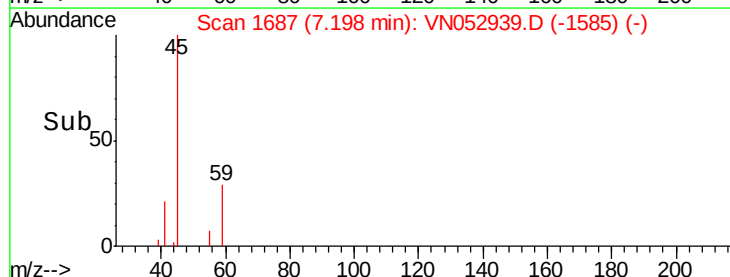
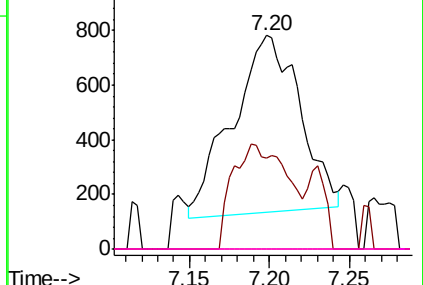


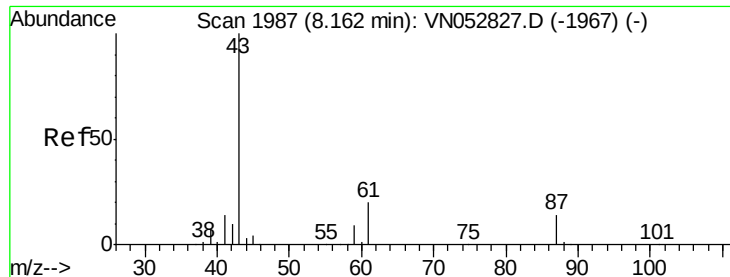
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 53.448 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

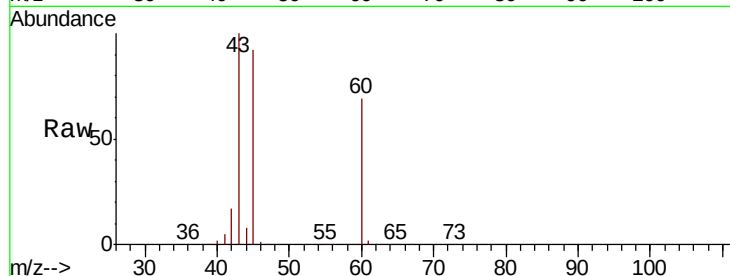
Tot Ion: 43 Resp: 1150802

Ion Ratio Lower Upper

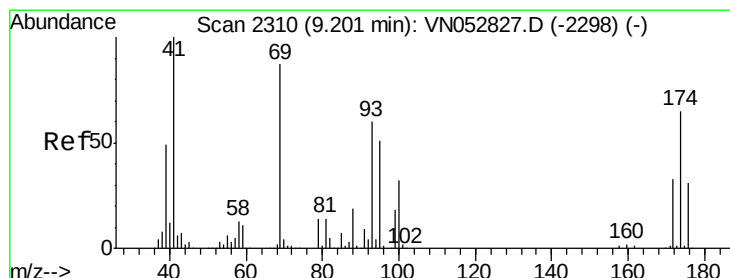
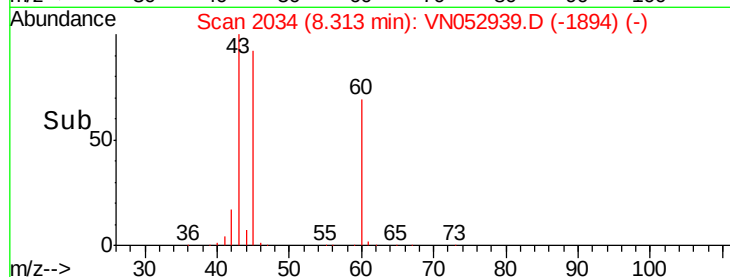
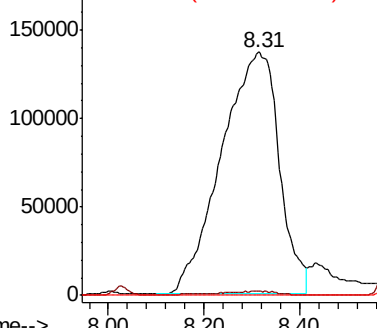
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.212 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

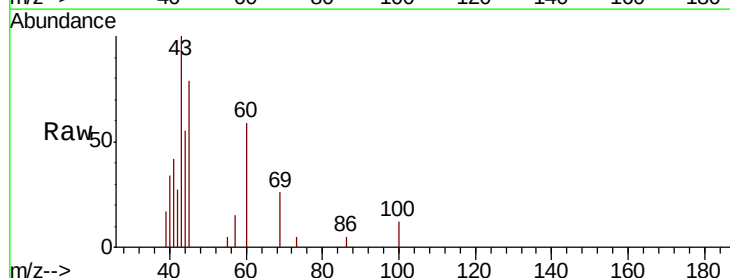
Tgt Ion: 41 Resp: 1999

Ion Ratio Lower Upper

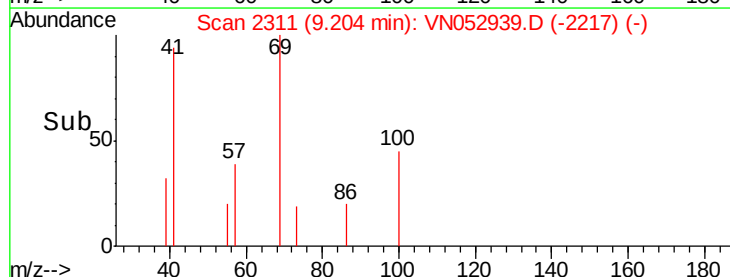
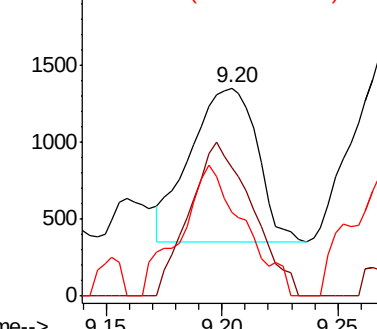
41 100

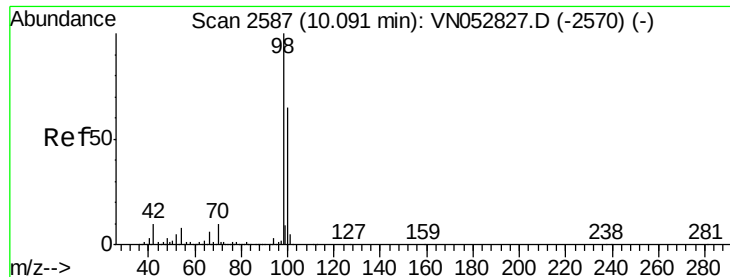
69 94.0 72.2 108.2

39 80.4 41.9 62.9#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

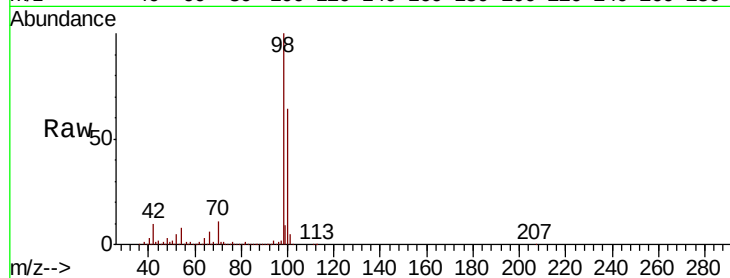
ClientSampled :

Tot Ion: 98 Resp: 2331198

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

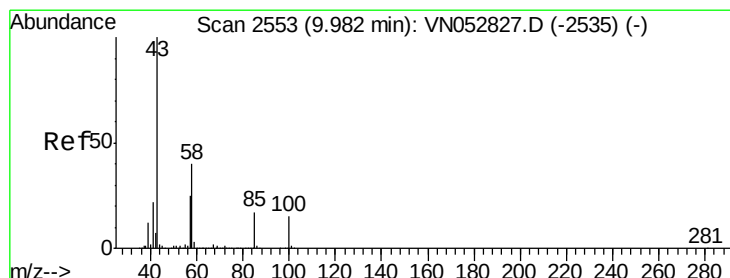
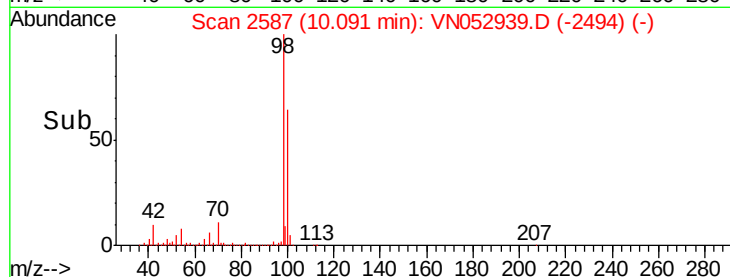
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 101.916 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052939.D

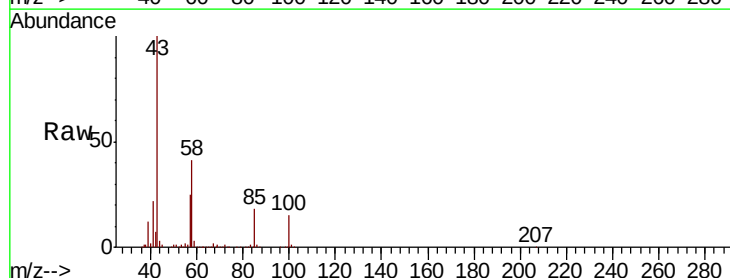
Acq: 17 Dec 2018 20:31

Tgt Ion: 43 Resp: 1006213

Ion Ratio Lower Upper

43 100

58 40.5 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

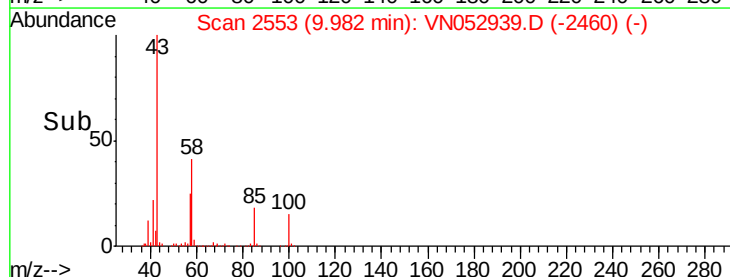
300000

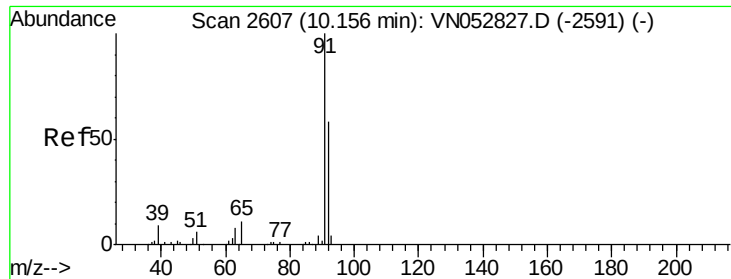
200000

100000

0

Time-->





#52

Toluene

Concen: 133.386 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

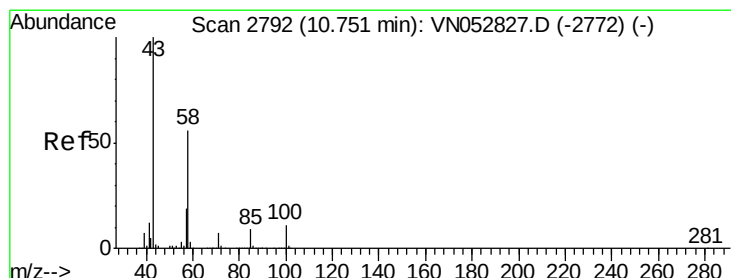
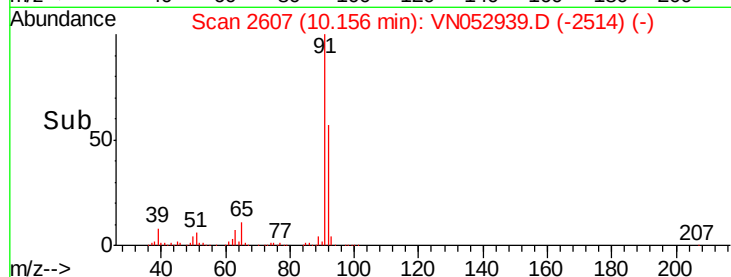
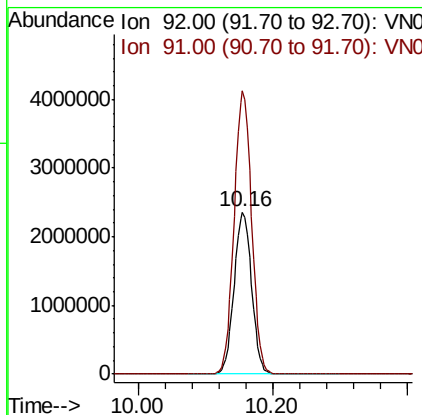
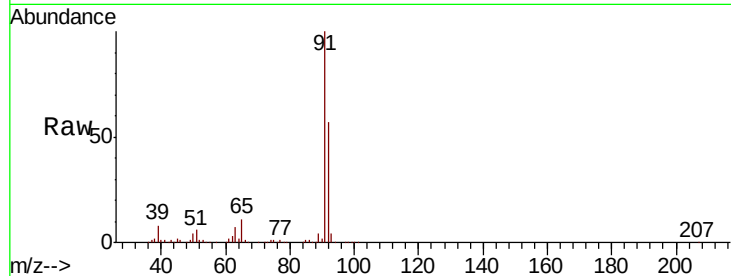
ClientSampleId :

Tot Ion: 92 Resp: 4238723

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.6



#59

2-Hexanone

Concen: 147.723 ug/l

RT: 10.85 min Scan# 2824

Delta R.T. 0.10 min

Lab File: VN052939.D

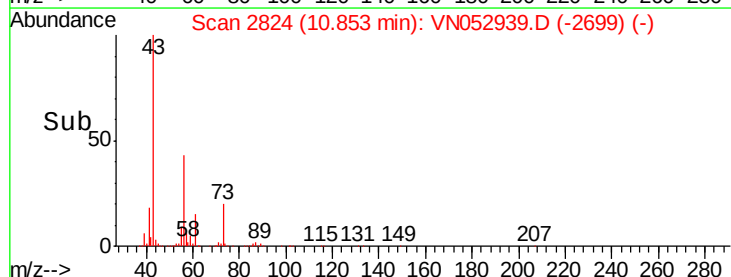
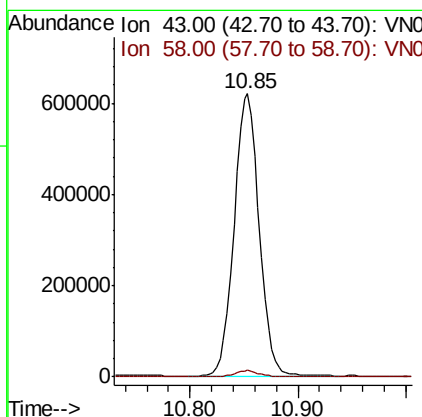
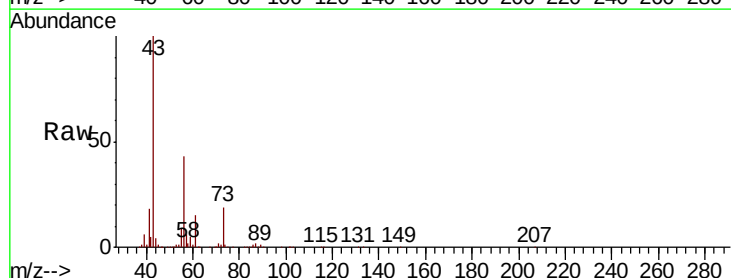
Acq: 17 Dec 2018 20:31

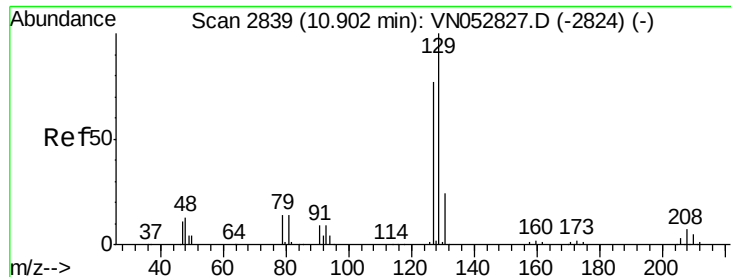
Tgt Ion: 43 Resp: 999516

Ion Ratio Lower Upper

43 100

58 2.2 28.1 84.3#

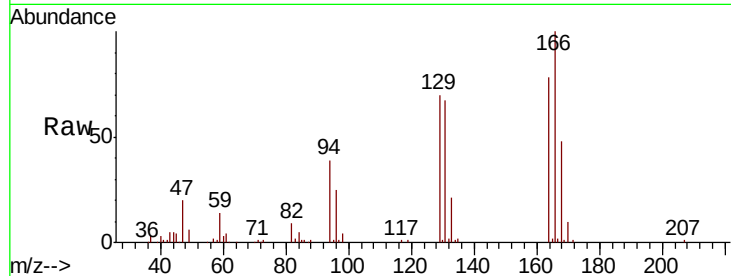




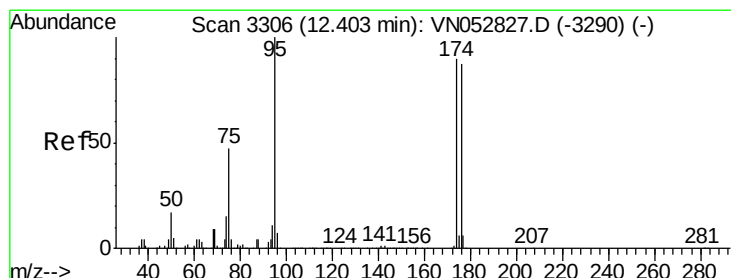
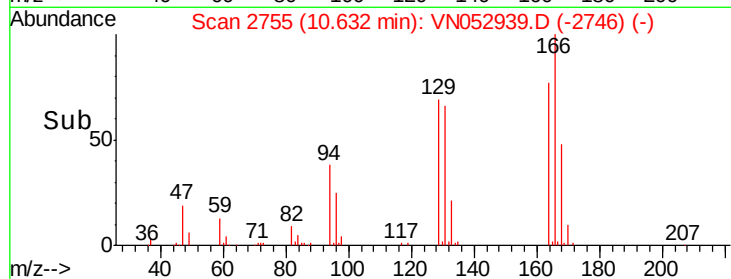
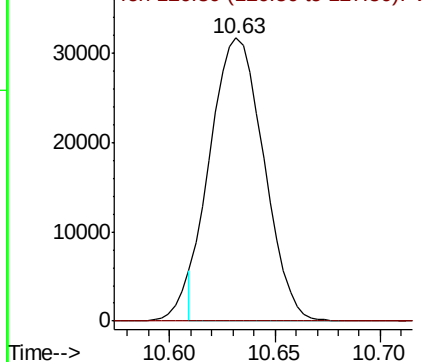
#60
 Dibromochloromethane
 Concen: 4.534 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:129 Resp: 55584
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#

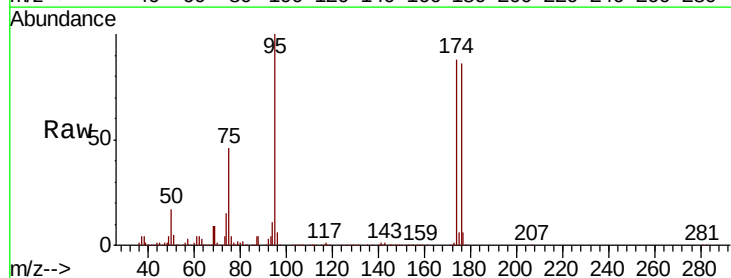


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

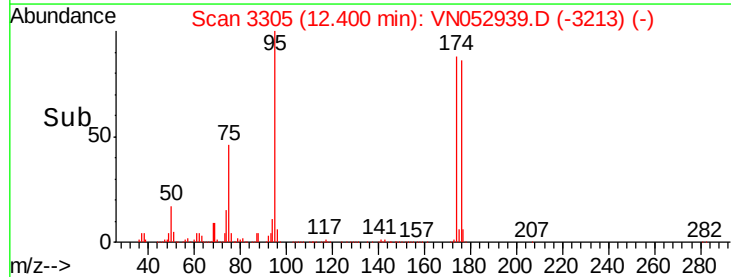
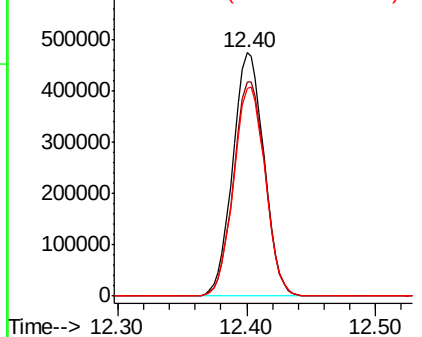


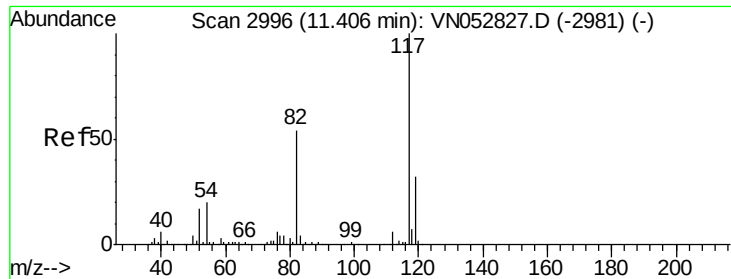
#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Tgt Ion: 95 Resp: 798058
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.8
 176 87.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

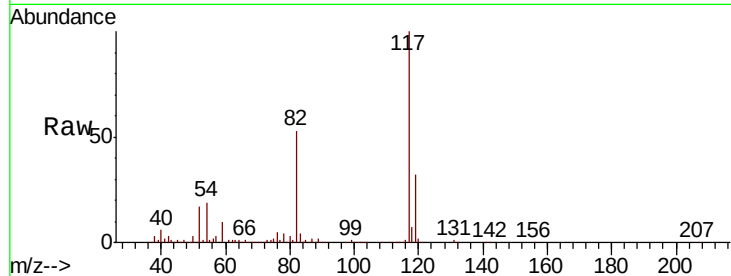




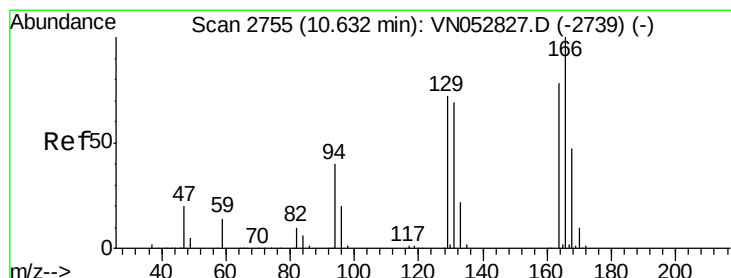
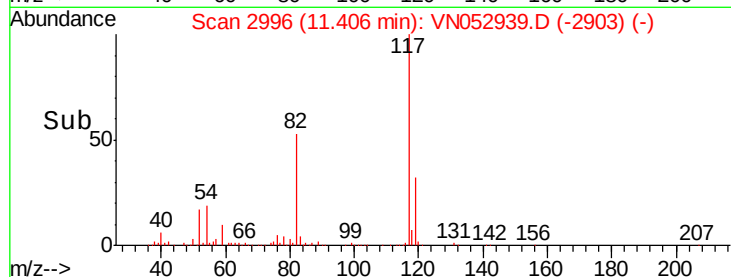
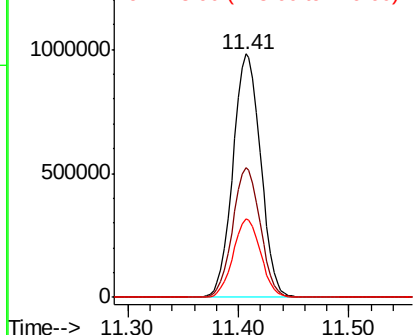
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1708561
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.4 25.5 38.3

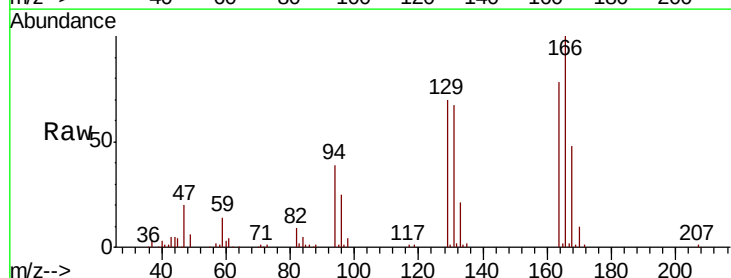


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

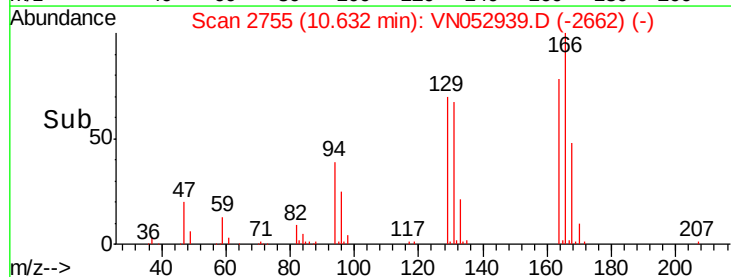
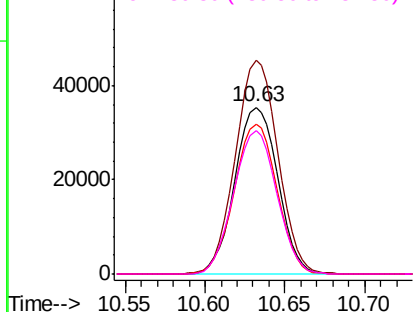


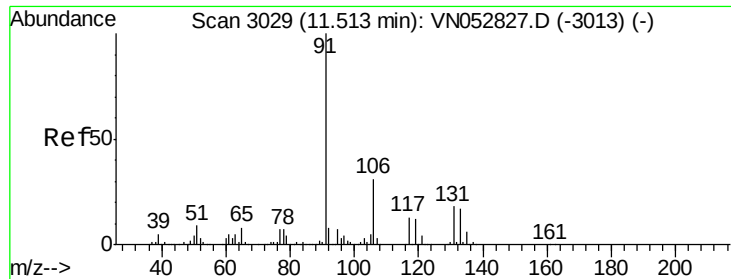
#64
Tetrachloroethene
Concen: 4.417 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion:164 Resp: 64864
Ion Ratio Lower Upper
164 100
166 128.4 102.9 154.3
129 89.7 73.7 110.5
131 86.3 70.7 106.1



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

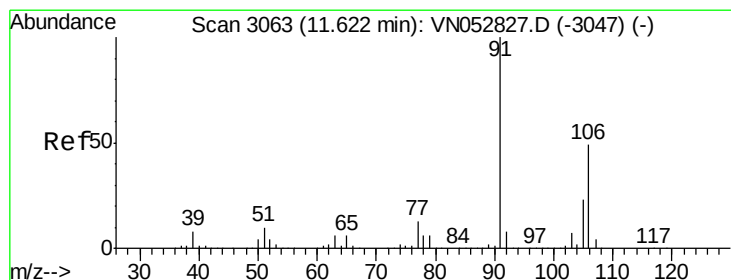
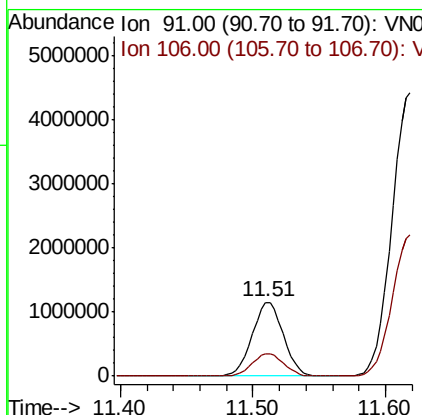
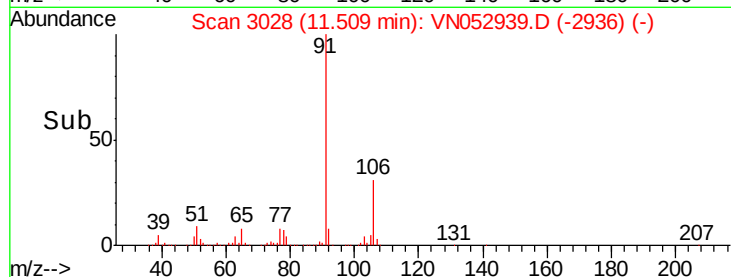
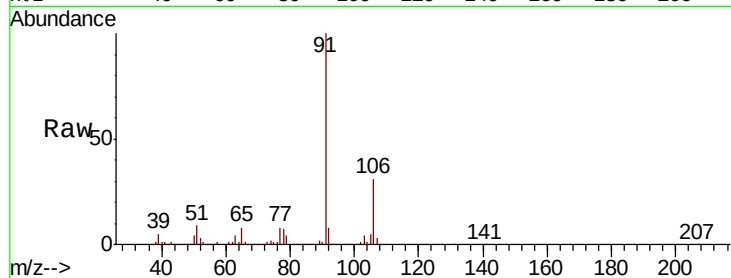




#67
Ethyl Benzene
Concen: 30.990 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

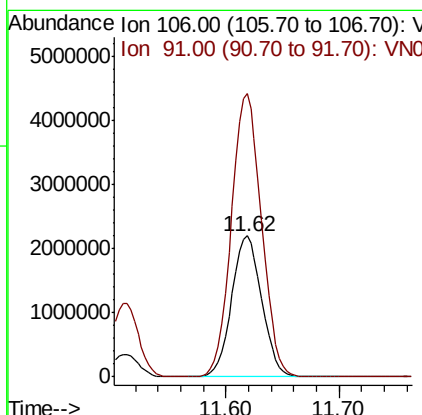
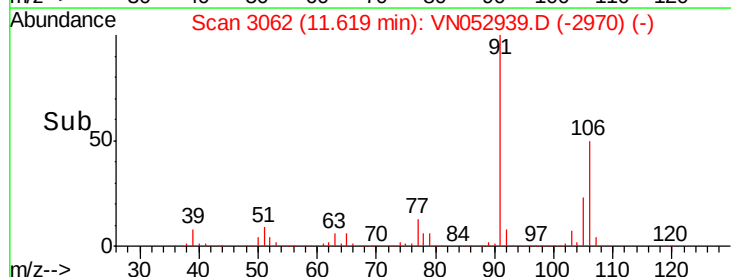
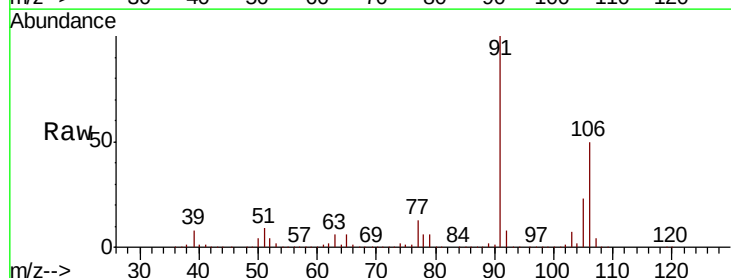
Instrument :
MSVOA_N
ClientSampleId :

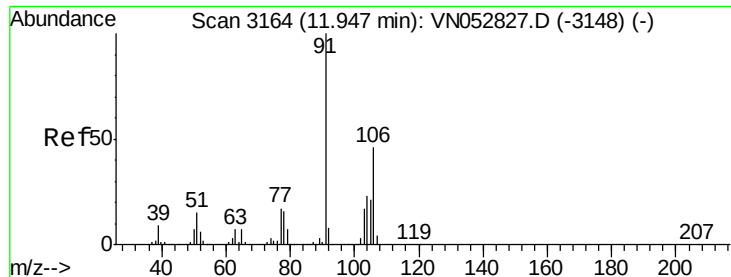
Tot Ion: 91 Resp: 1886428
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 176.740 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion: 106 Resp: 4039743
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4

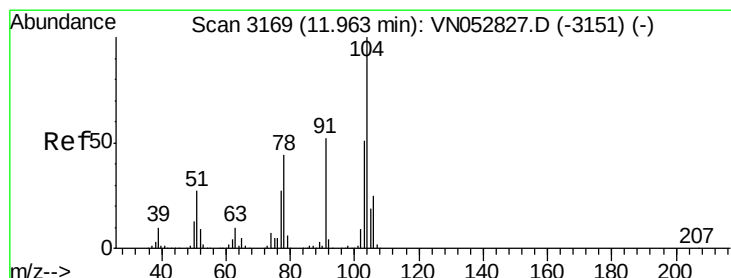
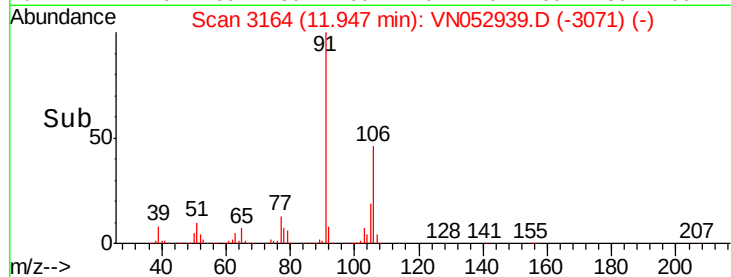
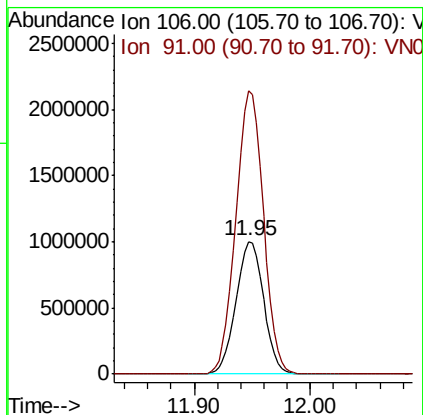
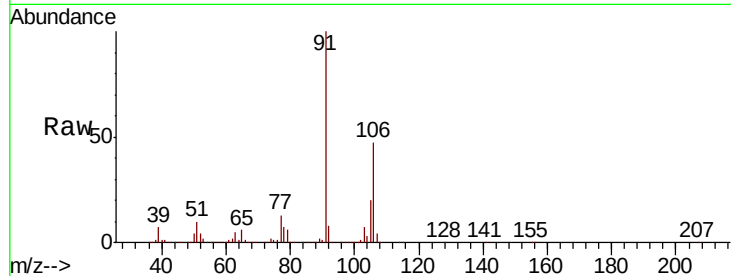




#69
o-Xylene
Concen: 73.820 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

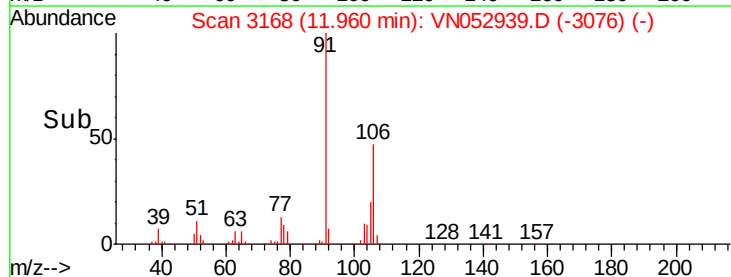
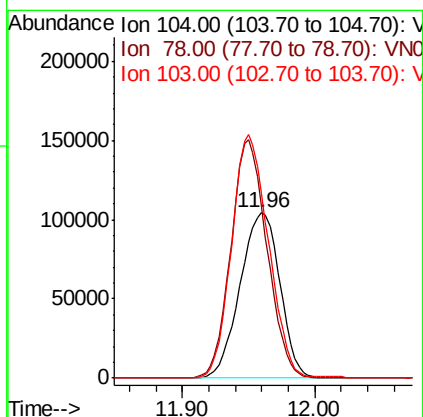
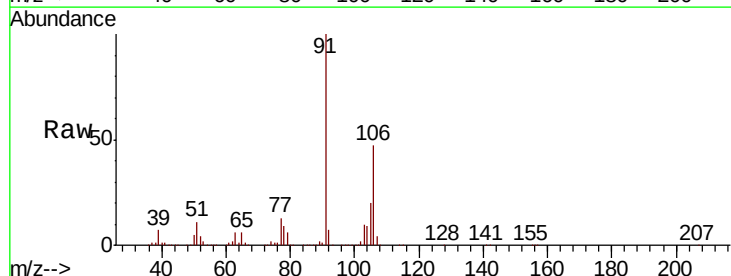
Instrument :
MSVOA_N
ClientSampled :

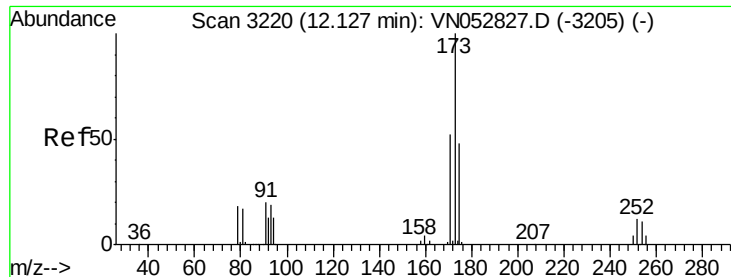
Tot Ion:106 Resp: 1647631
Ion Ratio Lower Upper
106 100
91 214.0 106.6 319.8



#70
Styrene
Concen: 6.079 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion:104 Resp: 218119
Ion Ratio Lower Upper
104 100
78 130.2 38.9 58.3#
103 135.7 44.3 66.5#





#71

Bromoform

Concen: 0.485 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

ClientSampled :

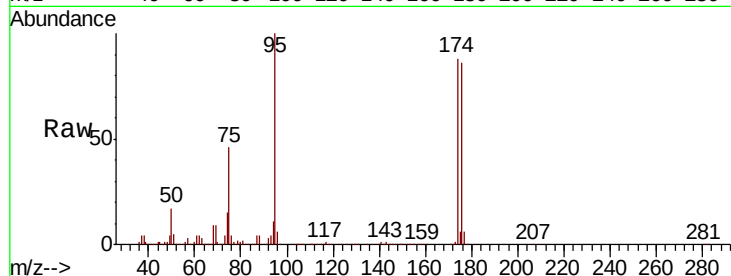
Tot Ion:173 Resp: 4066

Ion Ratio Lower Upper

173 100

175 1089.5 24.3 72.9#

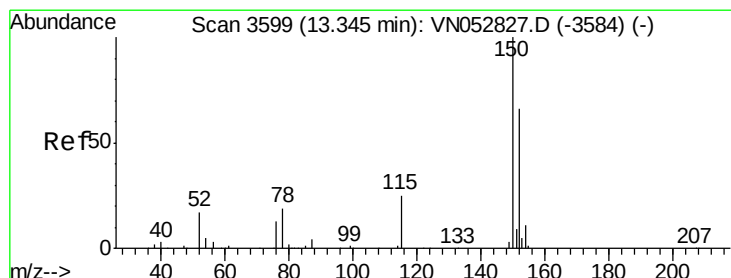
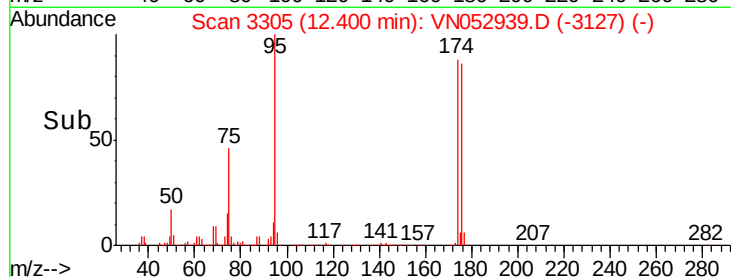
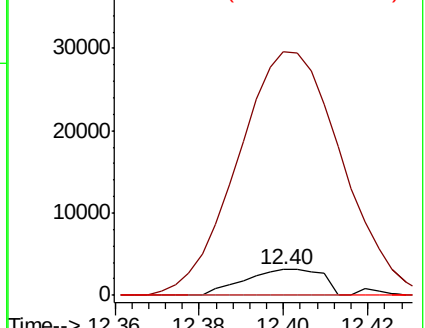
254 0.0 0.1 0.1#



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: VN052939.D

Acq: 17 Dec 2018 20:31

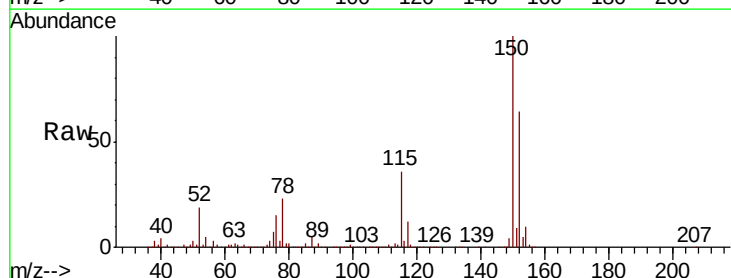
Tgt Ion:152 Resp: 766379

Ion Ratio Lower Upper

152 100

115 57.9 28.3 85.0

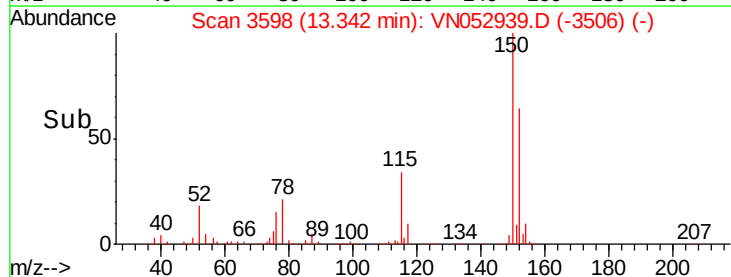
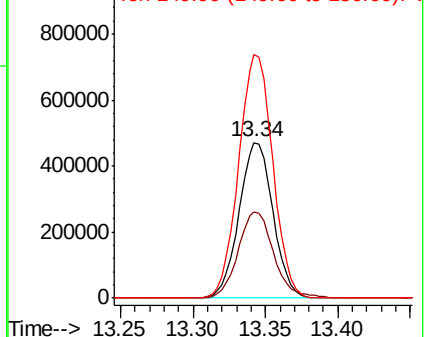
150 157.3 0.0 347.8

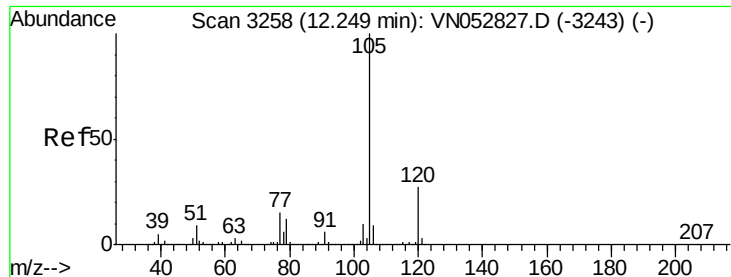


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

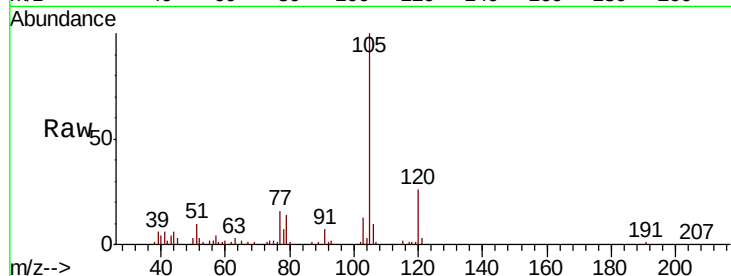
ClientSampleId :

Tot Ion:105 Resp: 64190

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

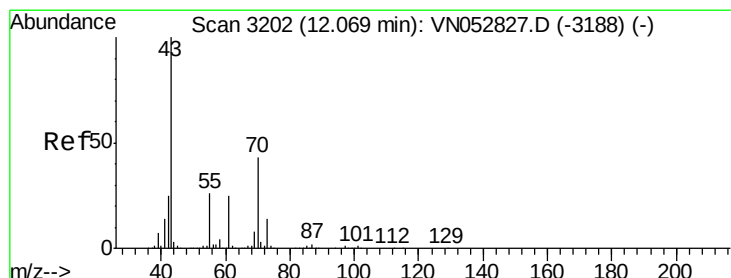
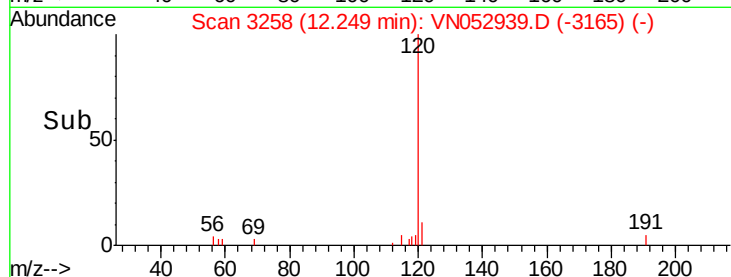
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 23.008 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Tgt Ion: 43 Resp: 361437

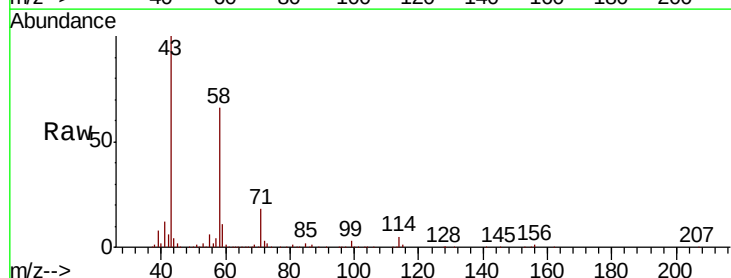
Ion Ratio Lower Upper

43 100

70 0.5 34.2 51.4#

55 6.3 20.3 30.5#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

150000

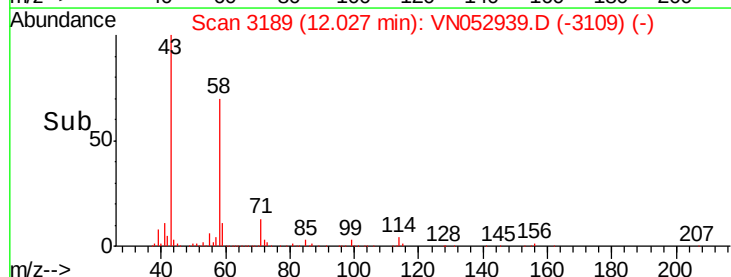
100000

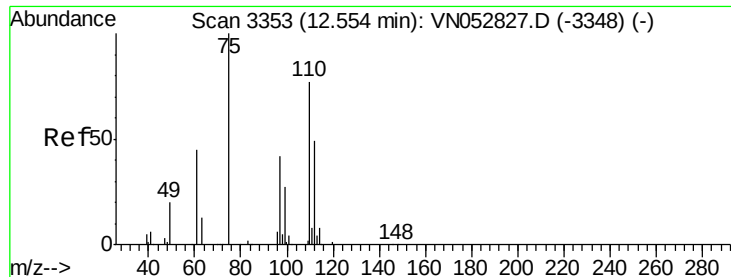
50000

0

Time-->

12.00 12.10





#76

1,2,3-Trichloropropane

Concen: 32.746 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

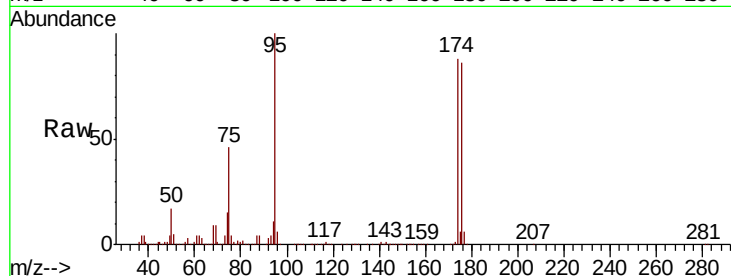
ClientSampleId :

Tot Ion: 75 Resp: 370257

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)

12.40

250000

200000

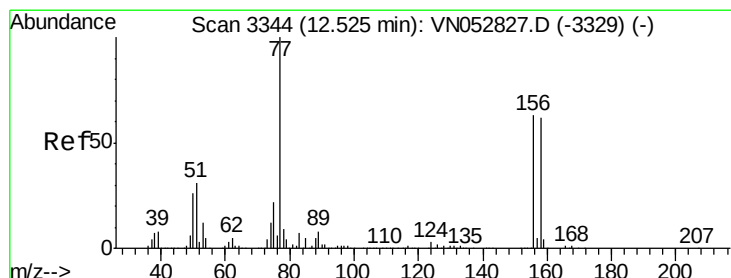
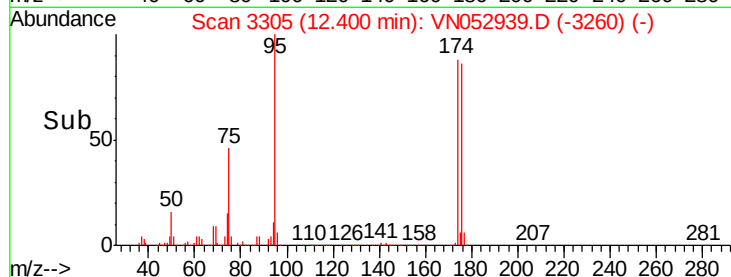
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 0.781 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

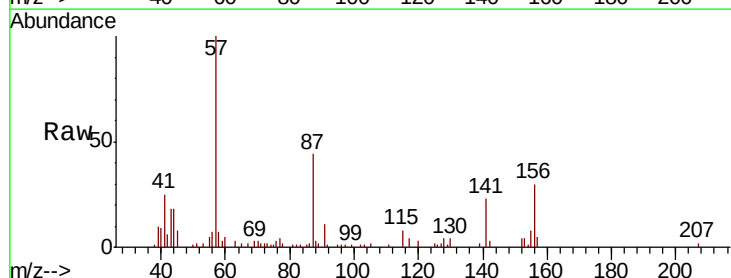
Tgt Ion: 156 Resp: 11368

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): VN052939.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN052939.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN052939.D (-3251) (-)

12.56

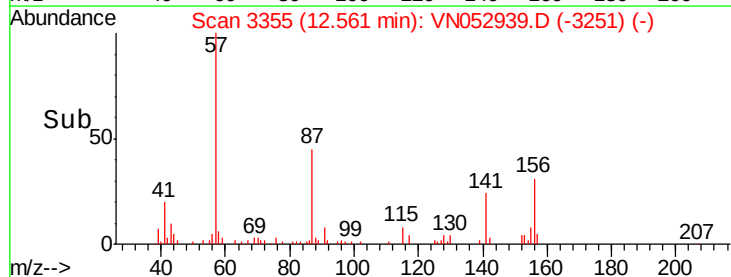
6000

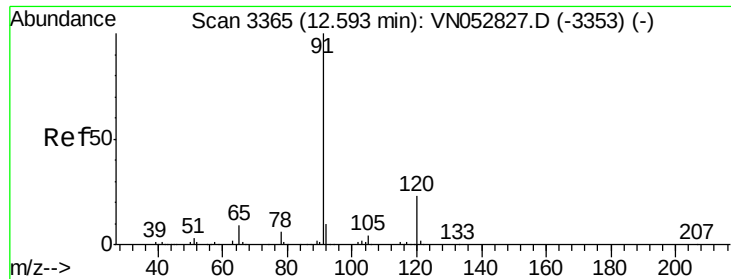
4000

2000

0

Time--> 12.45 12.50 12.55





#78

n-propylbenzene

Concen: 2.494 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

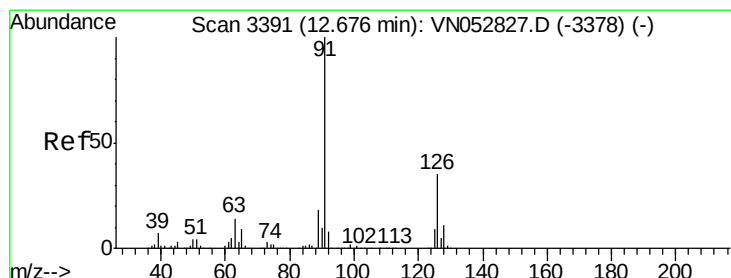
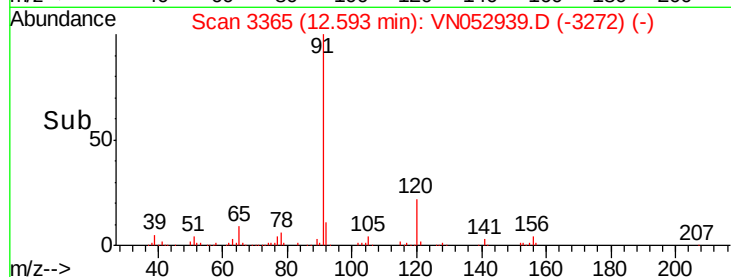
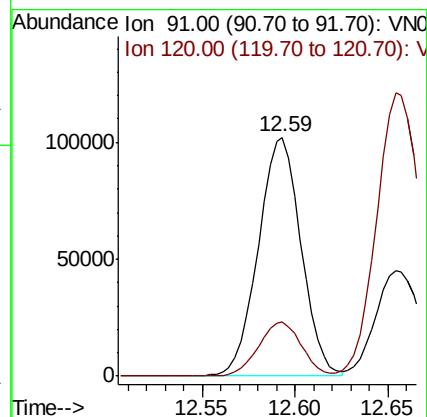
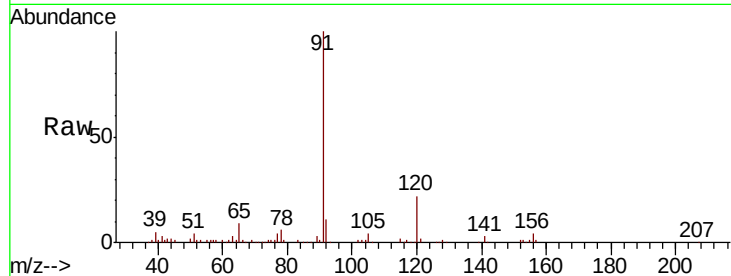
ClientSampled :

Tot Ion: 91 Resp: 162774

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5



#79

2-Chlorotoluene

Concen: 1.858 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052939.D

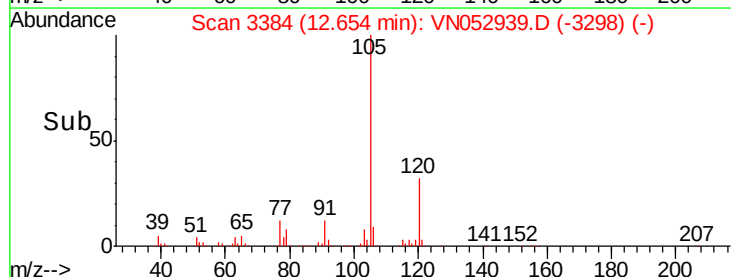
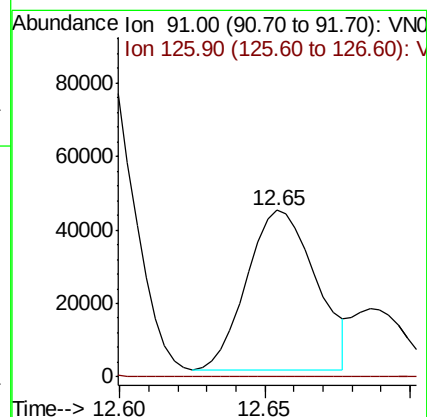
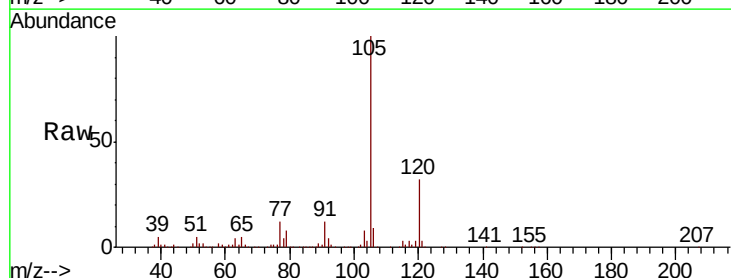
Acq: 17 Dec 2018 20:31

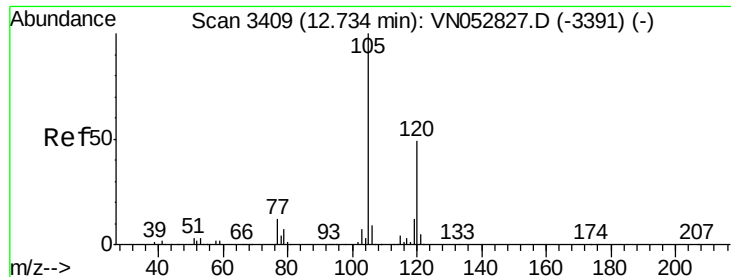
Tgt Ion: 91 Resp: 71681

Ion Ratio Lower Upper

91 100

126 0.4 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 5.125 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

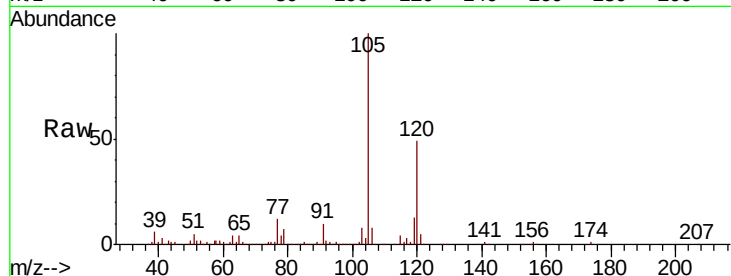
ClientSampleId :

Tot Ion:105 Resp: 236731

Ion Ratio Lower Upper

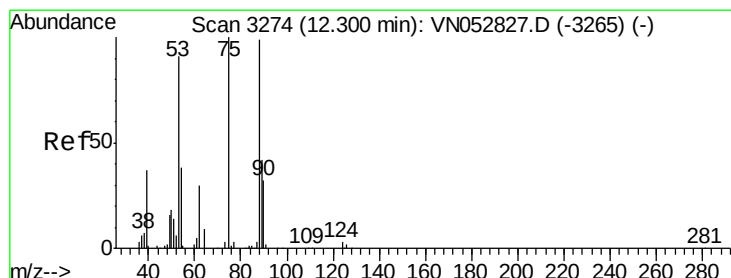
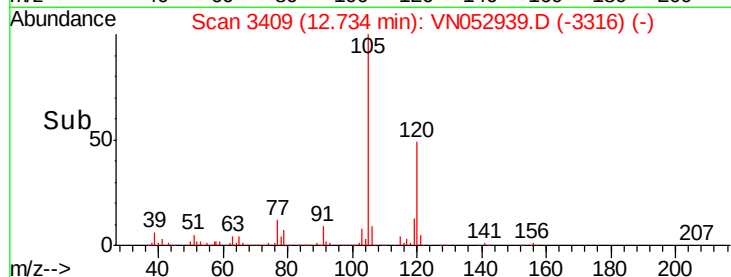
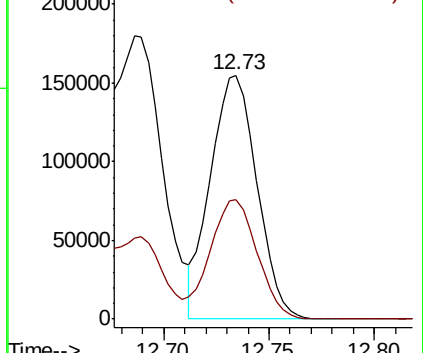
105 100

120 50.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 105.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

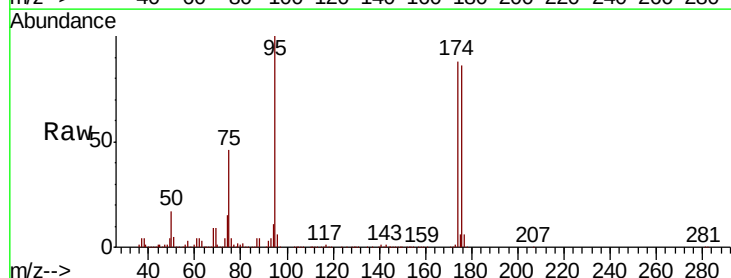
Tgt Ion: 75 Resp: 370257

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

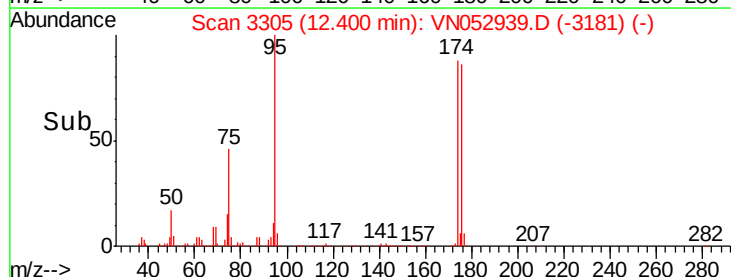
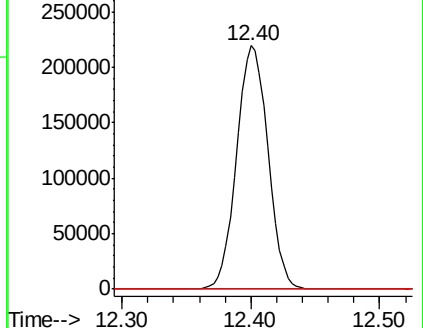
89 0.0 36.1 54.1#

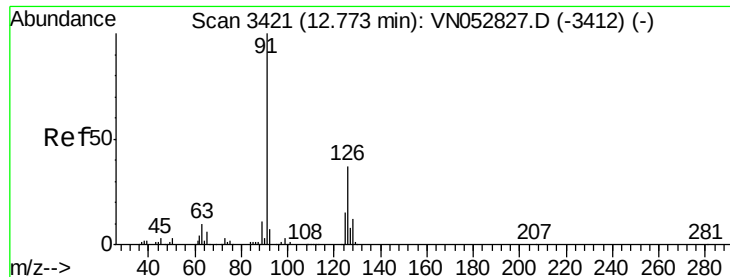


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

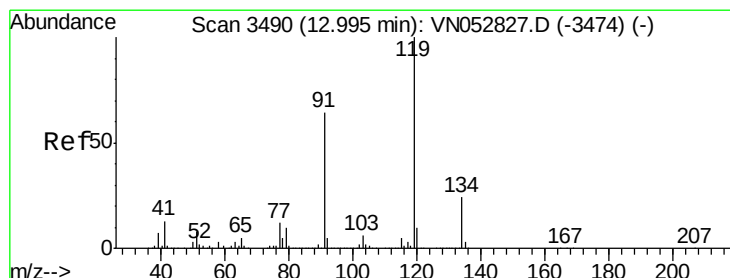
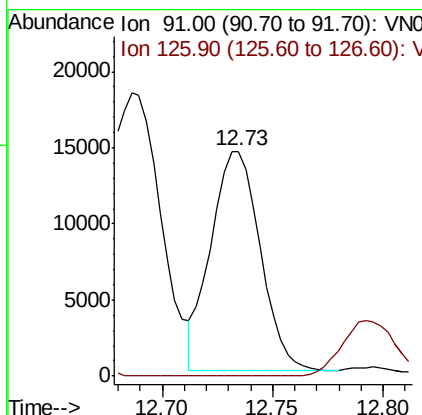
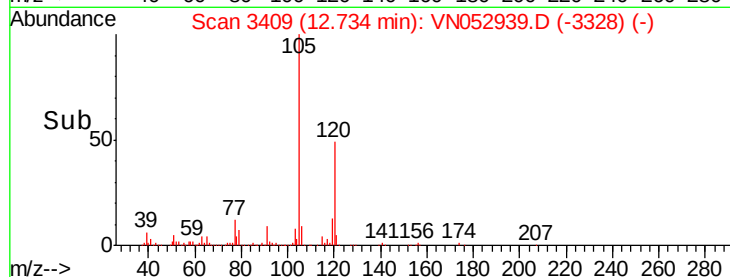
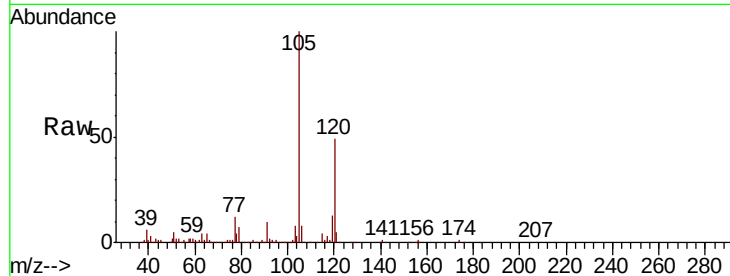




#82
4-Chlorotoluene
Concen: 0.570 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

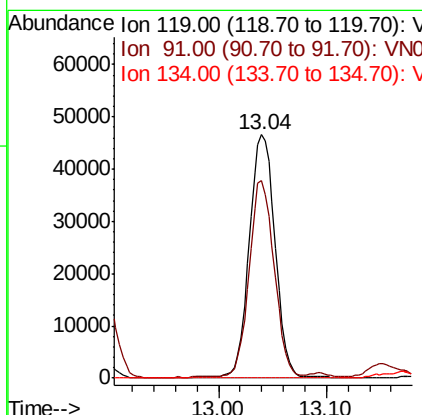
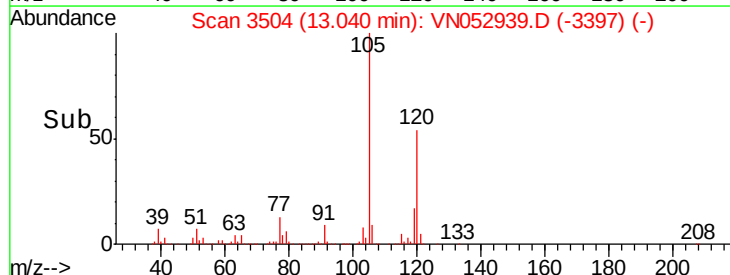
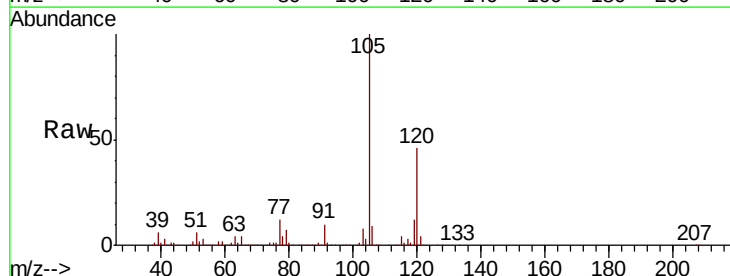
Instrument :
MSVOA_N
ClientSampled :

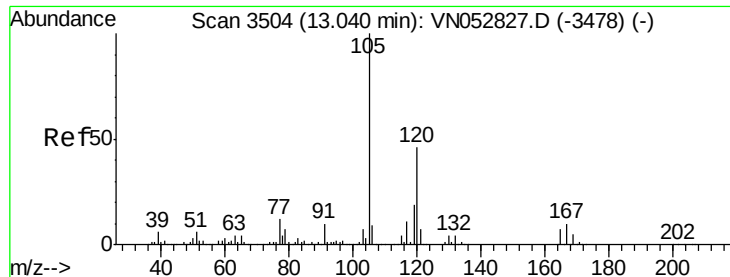
Tot Ion: 91 Resp: 22479
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#83
tert-Butylbenzene
Concen: 1.907 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN052939.D
Acq: 17 Dec 2018 20:31

Tgt Ion: 119 Resp: 77698
Ion Ratio Lower Upper
119 100
91 77.8 31.9 95.5
134 0.0 12.8 38.4#

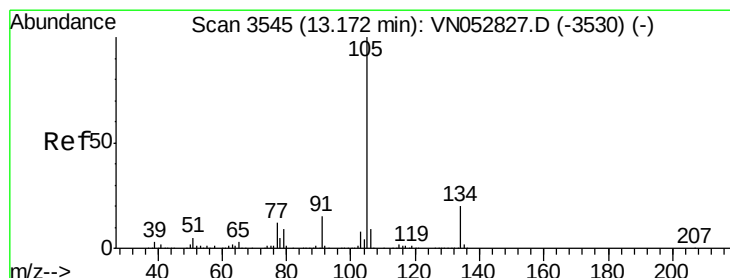
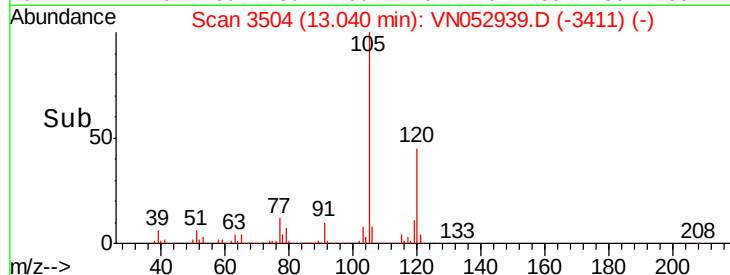
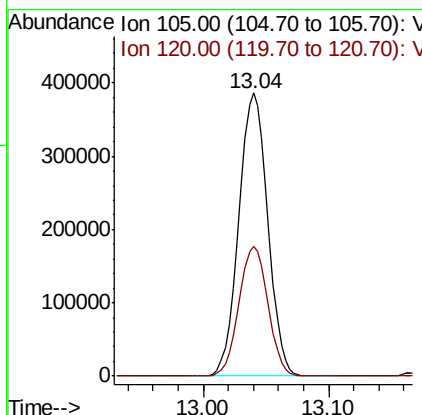
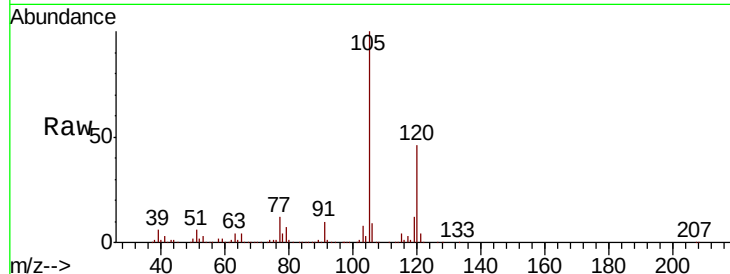




#84
 1,2,4-Trimethylbenzene
 Concen: 13.253 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

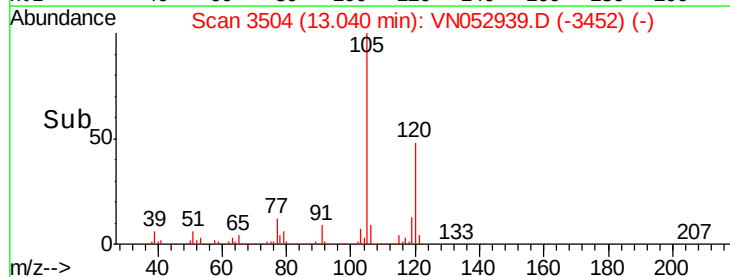
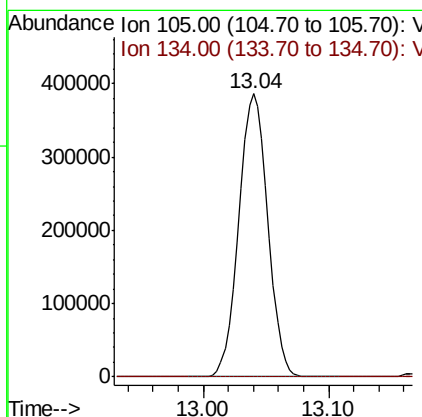
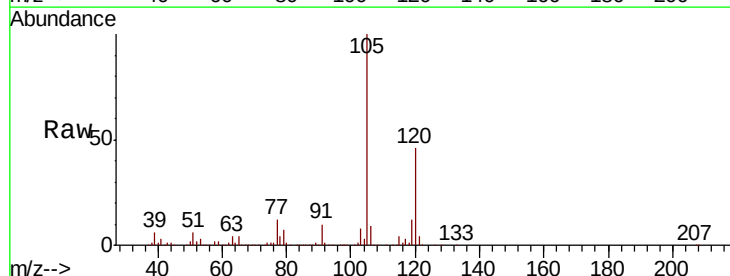
Instrument :
 MSVOA_N
 ClientSampled :

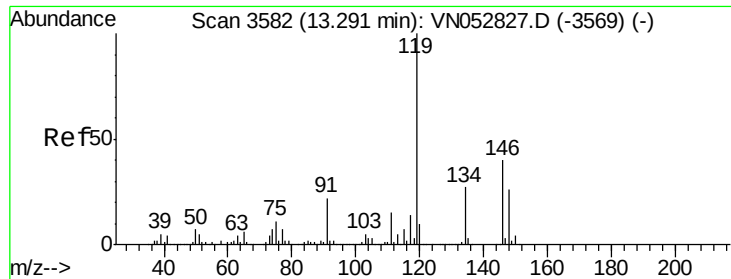
Tot Ion:105 Resp: 619745
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 11.231 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Tgt Ion:105 Resp: 619745
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

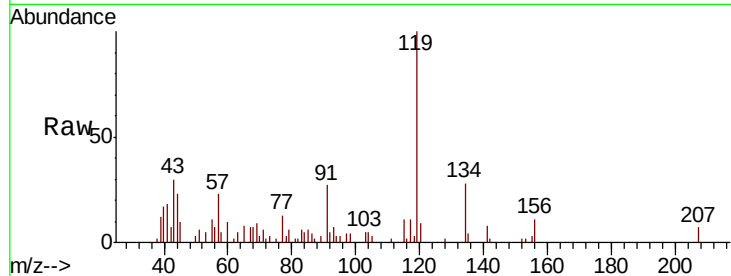




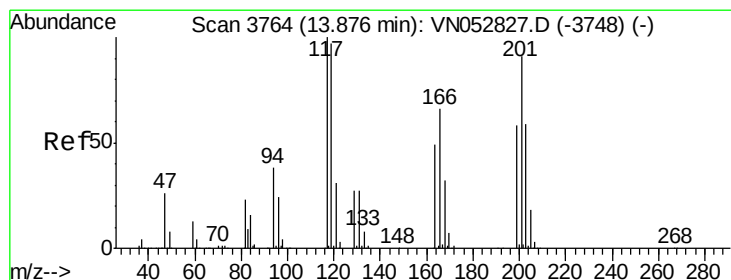
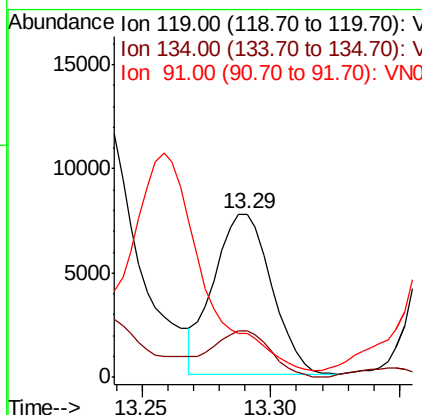
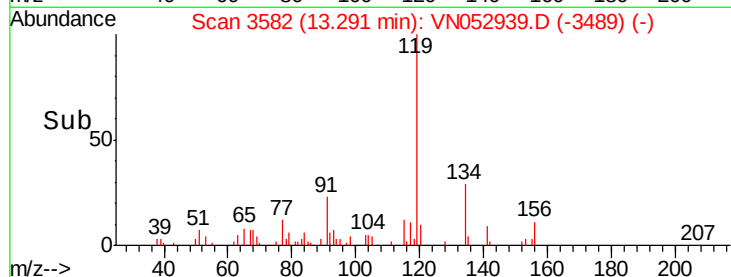
#86
 p-Isopropyltoluene
 Concen: 0.251 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 11996
 Ion Ratio Lower Upper
 119 100
 134 30.0 13.4 40.2
 91 0.0 11.1 33.3#

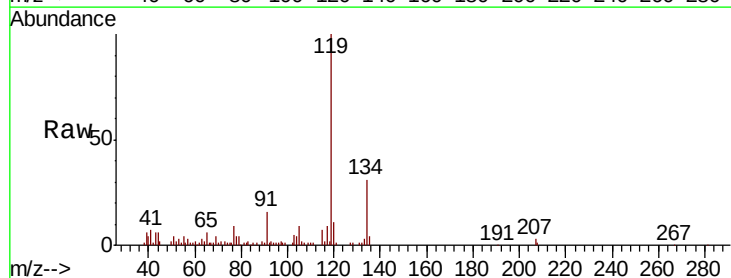


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

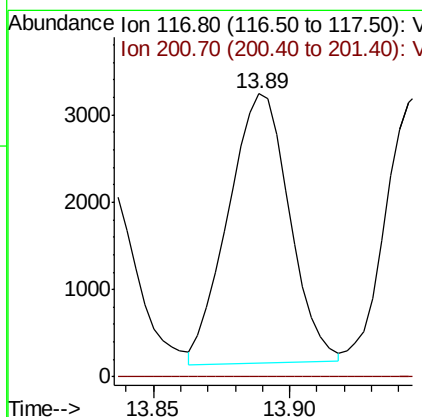
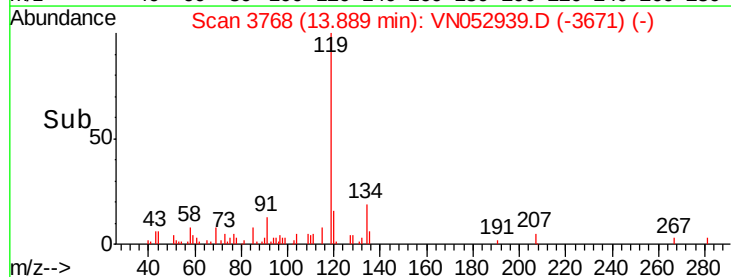


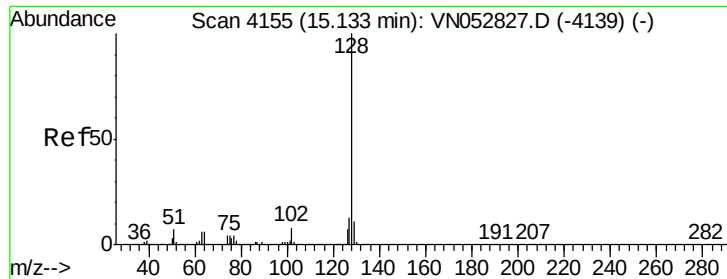
#90
 Hexachloroethane
 Concen: 0.600 ug/l
 RT: 13.89 min Scan# 3768
 Delta R.T. 0.01 min
 Lab File: VN052939.D
 Acq: 17 Dec 2018 20:31

Tgt Ion:117 Resp: 4806
 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





#95

Naphthalene

Concen: 2.895 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052939.D

Acq: 17 Dec 2018 20:31

Instrument :

MSVOA_N

ClientSampleId :

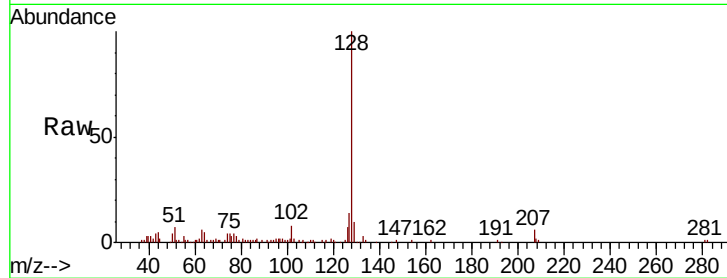
Tot Ion:128 Resp: 81091

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.3 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

