

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054830.D
 Acq On : 31 Mar 2019 4:24
 Operator : JC/SP
 Sample : K2164-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 01:40:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	522477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	705689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250807	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	348783	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	276688	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	10.09	98	1011554	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.40	95	305026	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	

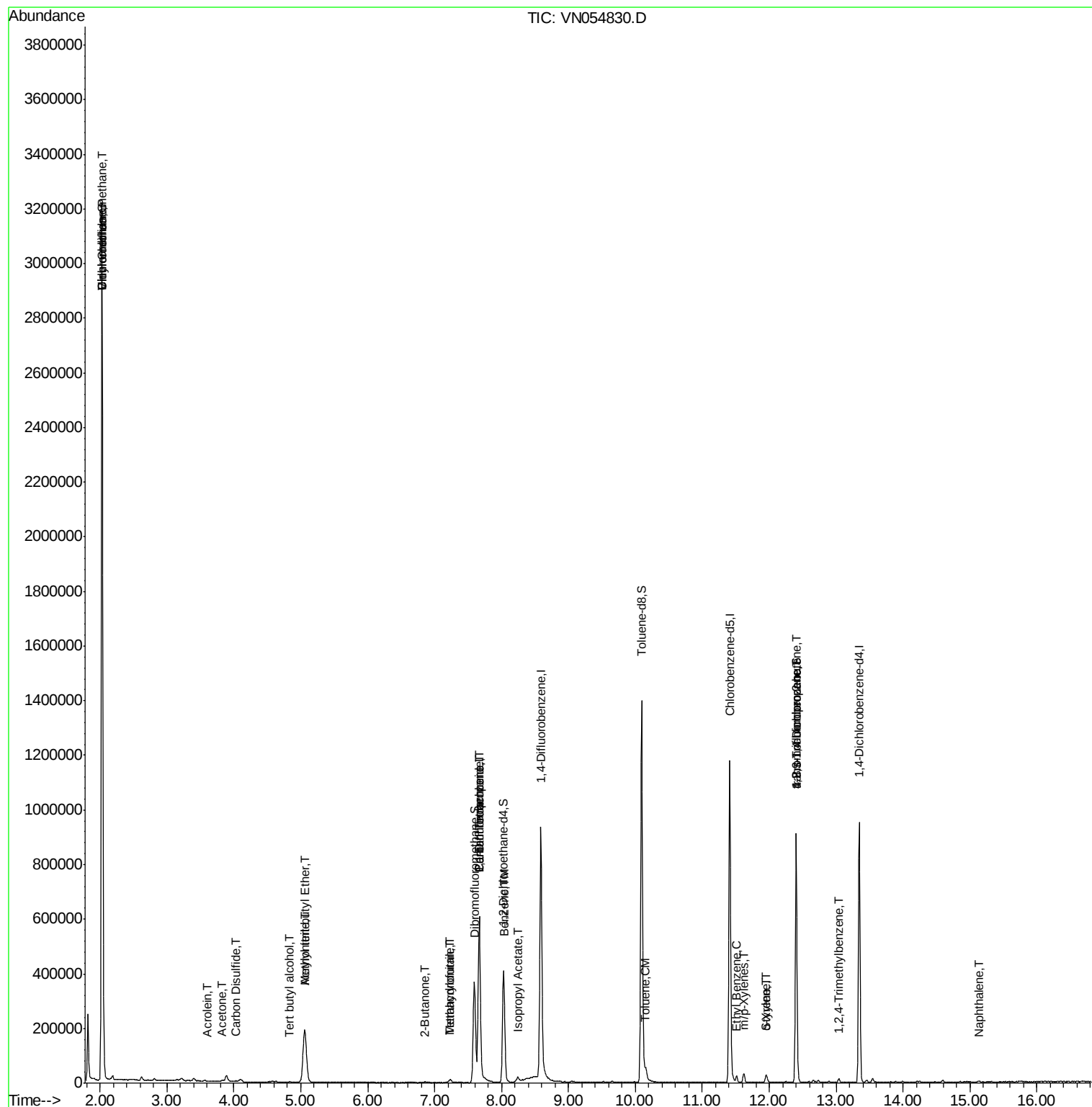
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	349795	66.188	ug/l	98
3) Chloromethane	2.03	50	42985	5.882	ug/l #	43
4) Vinyl Chloride	2.03	62	13552	2.065	ug/l #	1
11) Tert butyl alcohol	4.83	59	1048	2.856	ug/l #	70
13) Acrolein	3.62	56	218	0.665	ug/l #	14
15) Acrylonitrile	5.07	53	4601	2.256	ug/l #	19
16) Acetone	3.83	43	5749	3.423	ug/l	93
17) Carbon Disulfide	4.04	76	6379	0.479	ug/l #	91
18) Methyl Acetate	4.35	43	858	Below Cal	#	56
19) Methyl tert-butyl Ether	5.06	73	300988	20.951	ug/l	94
25) 2-Butanone	6.86	43	874	0.352	ug/l #	46
29) Tetrahydrofuran	7.23	42	3829	2.221	ug/l #	84
31) Cyclohexane	7.66	56	11523	Below Cal	#	10
36) 1,1-Dichloropropene	7.66	75	40493	5.142	ug/l #	47
38) Carbon Tetrachloride	7.67	117	50015	6.540	ug/l #	16
40) Benzene	8.05	78	9074	0.403	ug/l	95
41) Methacrylonitrile	7.23	41	5172	1.594	ug/l #	27
43) Isopropyl Acetate	8.24	43	8504	0.906	ug/l #	53
52) Toluene	10.16	92	10629	0.793	ug/l	96
67) Ethyl Benzene	11.51	91	15031	0.603	ug/l	100
68) m/p-Xylenes	11.62	106	10387	1.126	ug/l	96
69) o-Xylene	11.95	106	5214	0.576	ug/l	92
70) Styrene	11.96	104	8465	0.585	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.40	83	321	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	159078	36.510	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	159078	142.015	ug/l #	11
83) tert-Butylbenzene	13.05	119	1089	Below Cal	#	63
84) 1,2,4-Trimethylbenzene	13.04	105	8575	0.535	ug/l	94
95) Naphthalene	15.14	128	2828	0.313	ug/l #	69

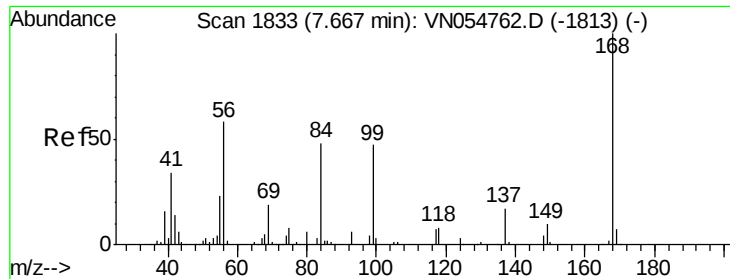
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

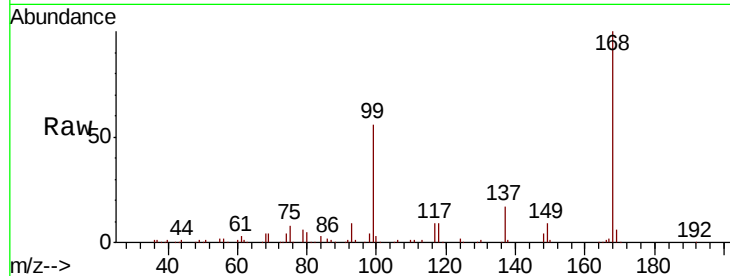
ClientSampled :

Tot Ion:168 Resp: 522477

Ion Ratio Lower Upper

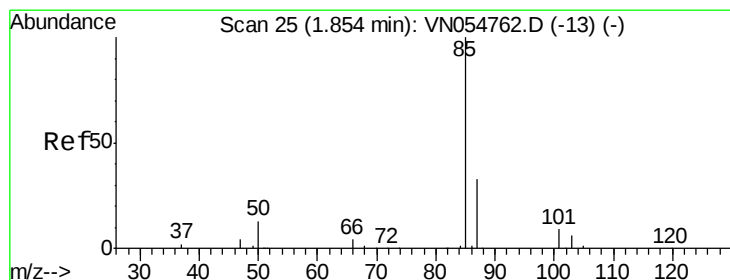
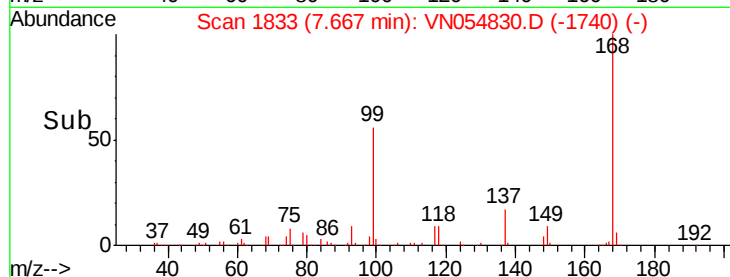
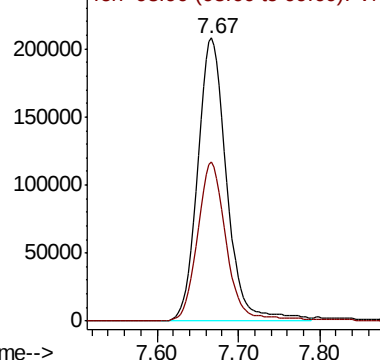
168 100

99 56.2 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 66.188 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.18 min

Lab File: VN054830.D

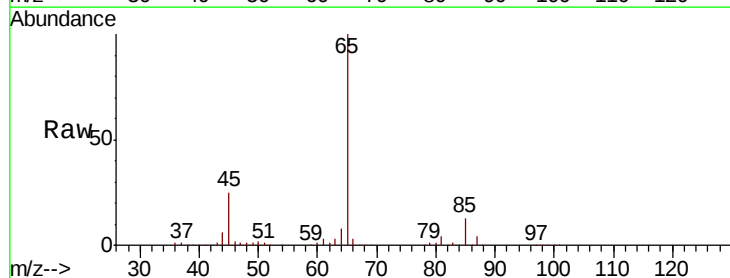
Acq: 31 Mar 2019 4:24

Tgt Ion: 85 Resp: 349795

Ion Ratio Lower Upper

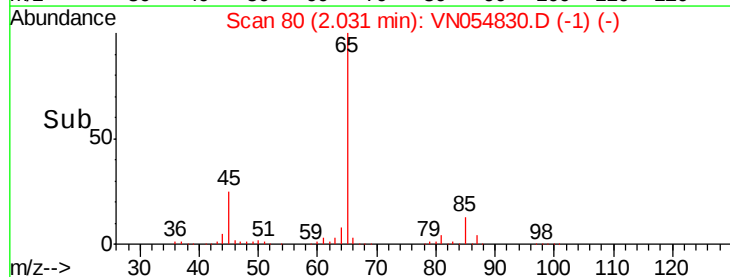
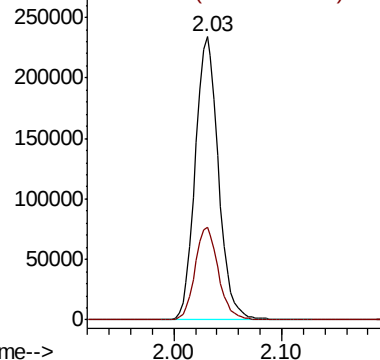
85 100

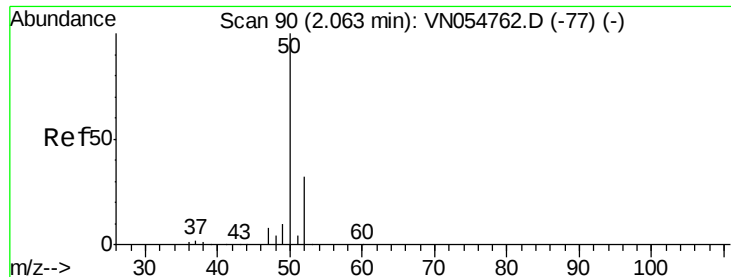
87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.882 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.03 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

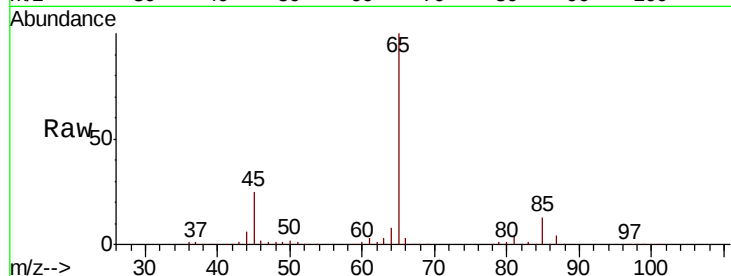
ClientSampleId :

Tot Ion: 50 Resp: 42985

Ion Ratio Lower Upper

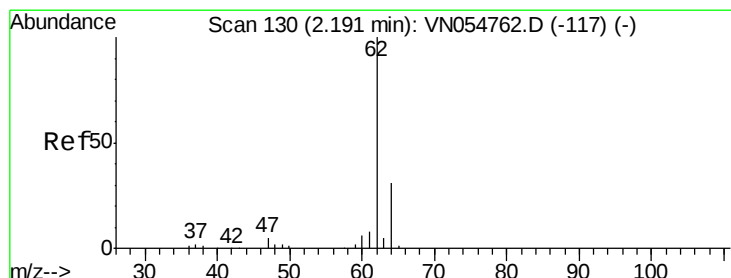
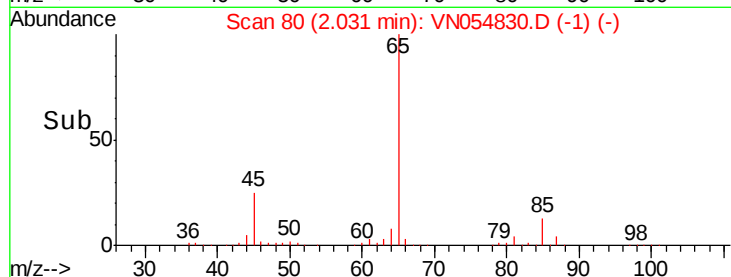
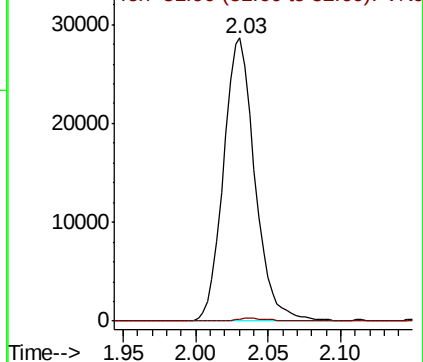
50 100

52 0.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 2.065 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.16 min

Lab File: VN054830.D

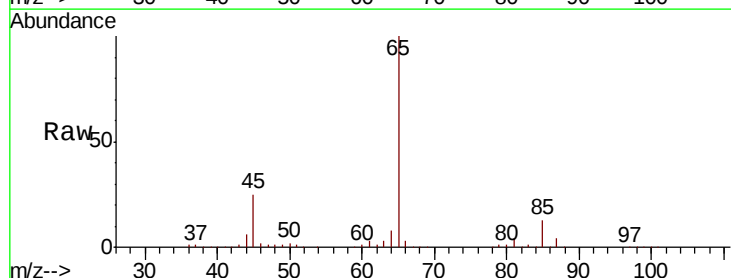
Acq: 31 Mar 2019 4:24

Tgt Ion: 62 Resp: 13552

Ion Ratio Lower Upper

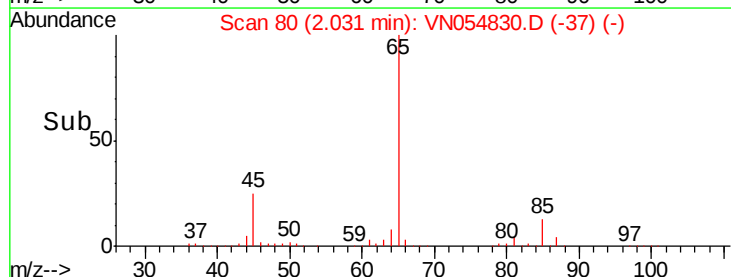
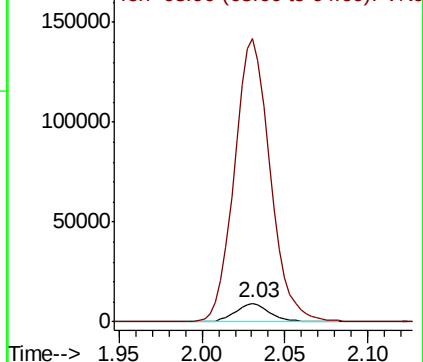
62 100

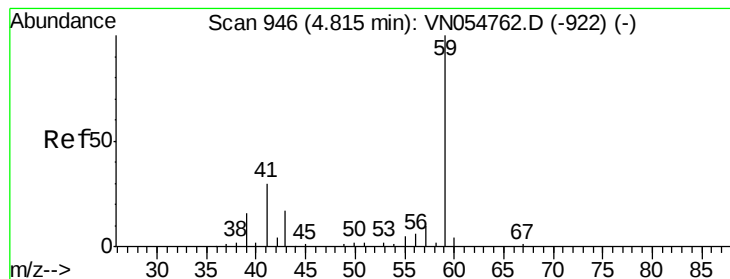
64 1538.4 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



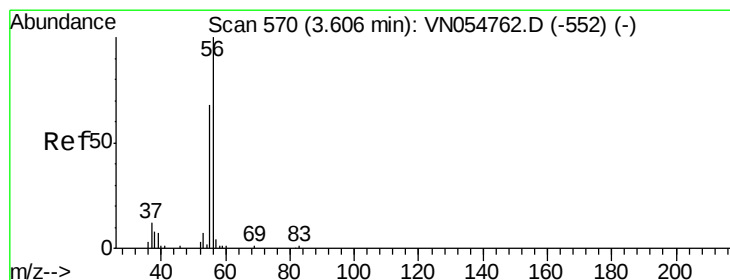
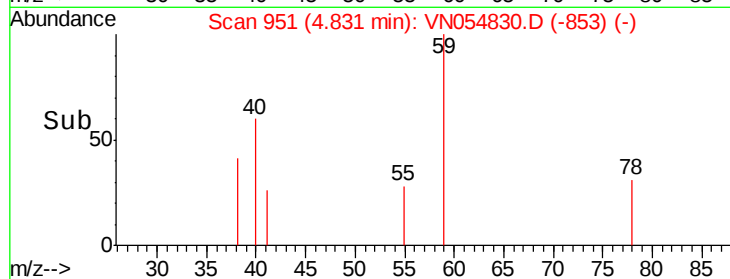
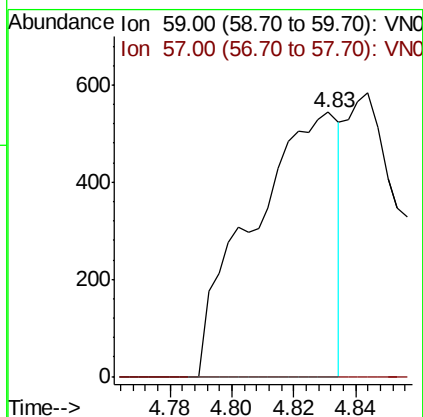
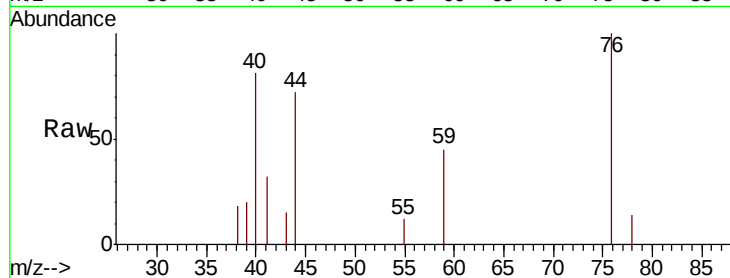


#11

Tert butyl alcohol
Concen: 2.856 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.02 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Instrument :
MSVOA_N
ClientSampled :

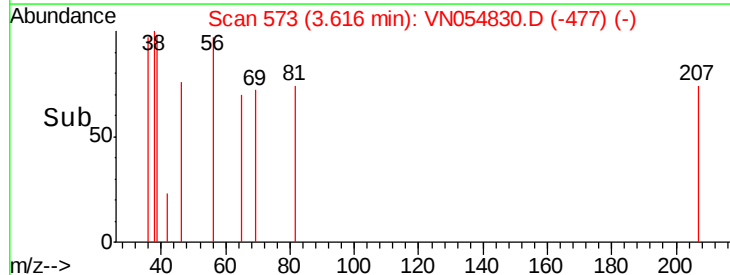
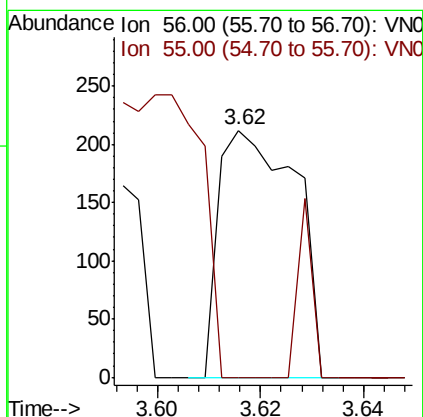
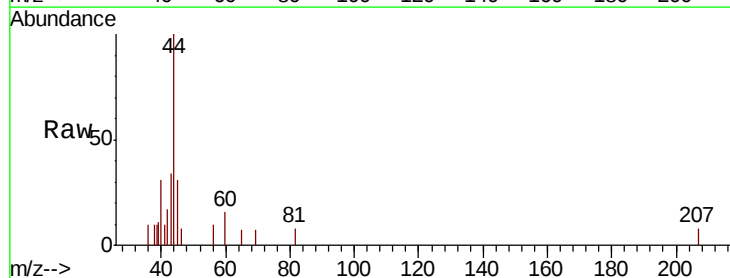
Tot Ion: 59 Resp: 1048
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

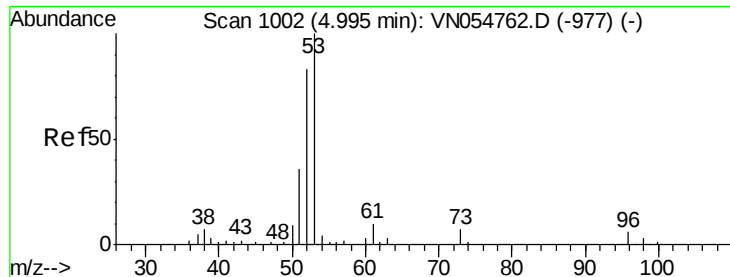


#13

Acrolein
Concen: 0.665 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Tgt Ion: 56 Resp: 218
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#

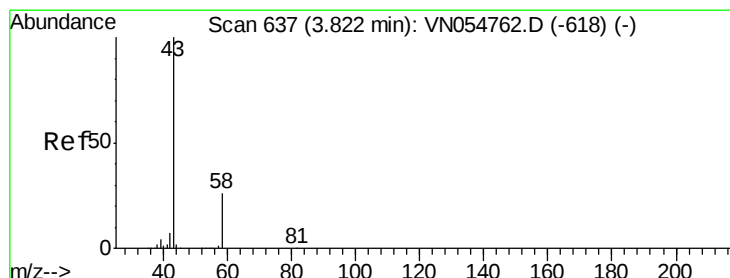
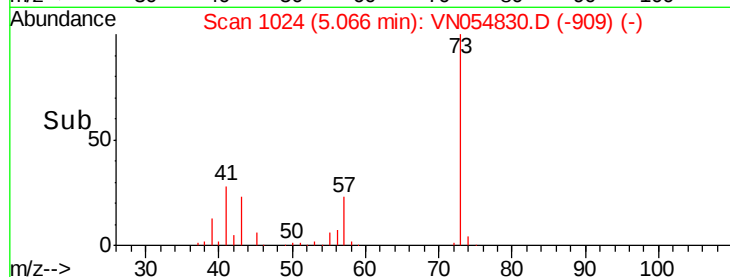
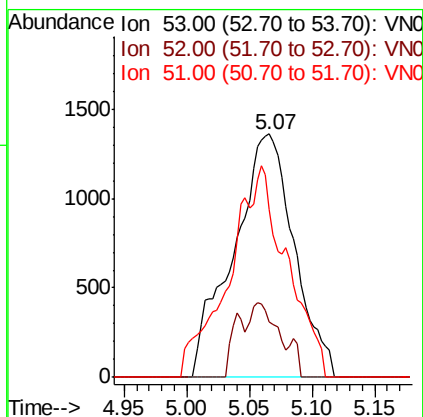
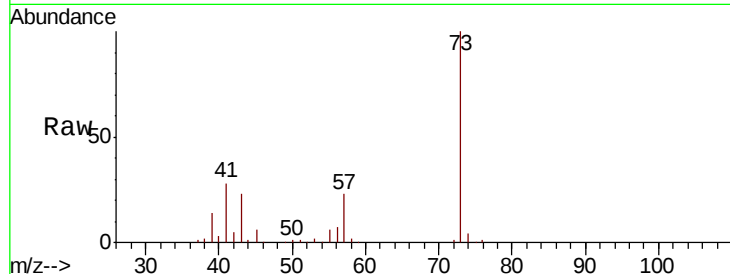




#15
 Acrylonitrile
 Concen: 2.256 ug/l
 RT: 5.07 min Scan# 1024
 Delta R.T. 0.07 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

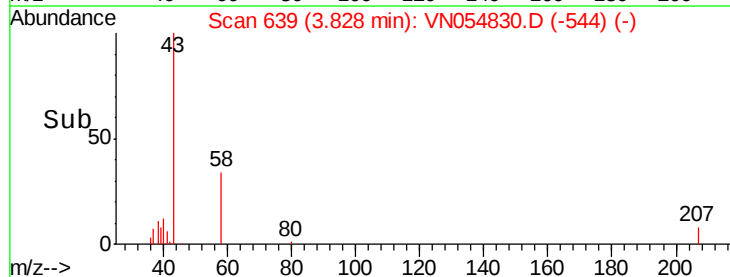
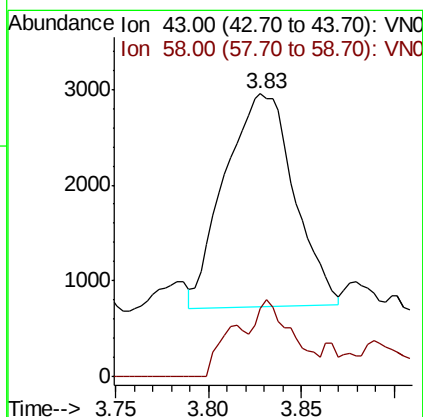
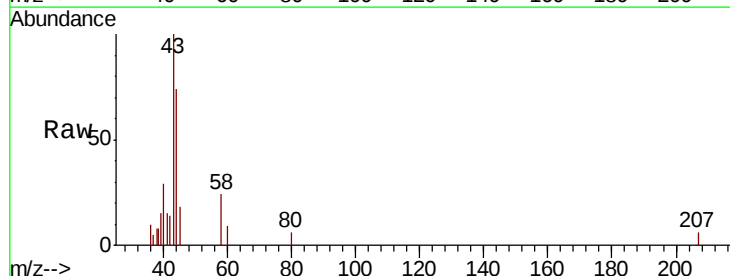
Instrument :
 MSVOA_N
 ClientSampled :

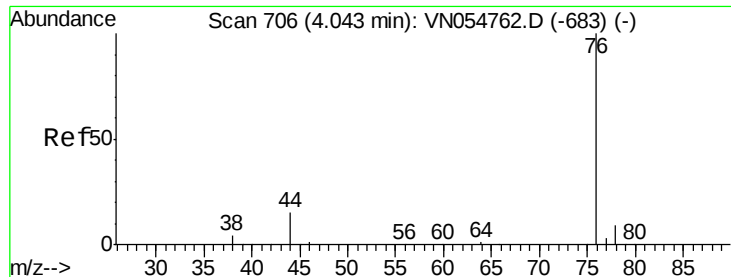
Tot Ion: 53 Resp: 4601
 Ion Ratio Lower Upper
 53 100
 52 8.7 66.4 99.6#
 51 82.5 29.6 44.4#



#16
 Acetone
 Concen: 3.423 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

Tgt Ion: 43 Resp: 5749
 Ion Ratio Lower Upper
 43 100
 58 33.4 29.9 44.9





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

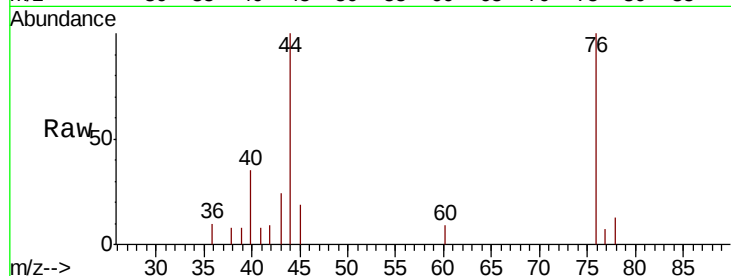
ClientSampled :

Tot Ion: 76 Resp: 6379

Ion Ratio Lower Upper

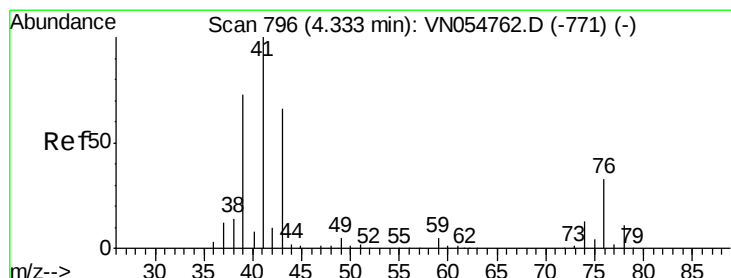
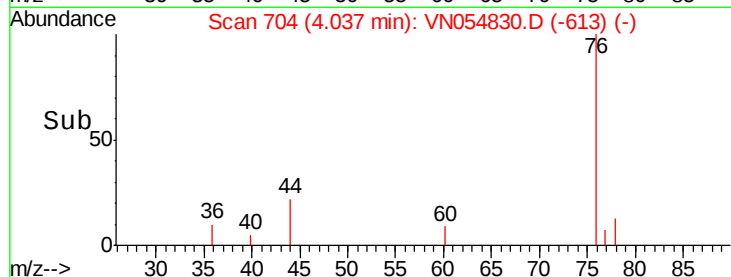
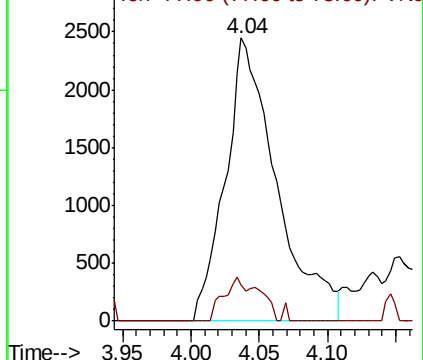
76 100

78 12.8 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.35 min Scan# 800

Delta R.T. 0.01 min

Lab File: VN054830.D

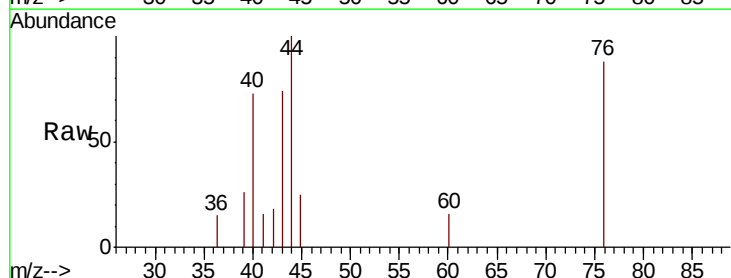
Acq: 31 Mar 2019 4:24

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

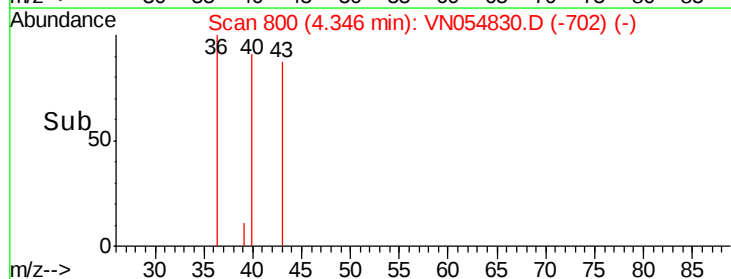
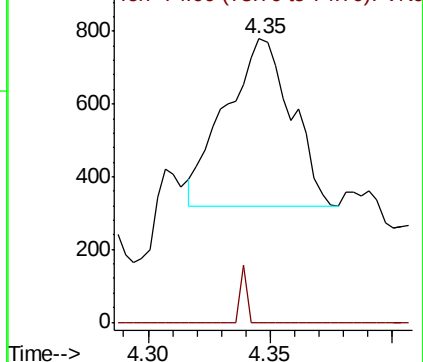
43 100

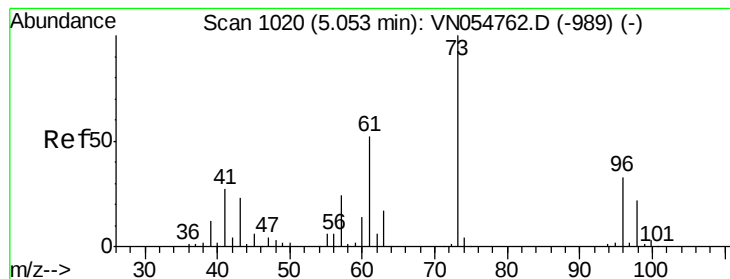
74 3.5 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



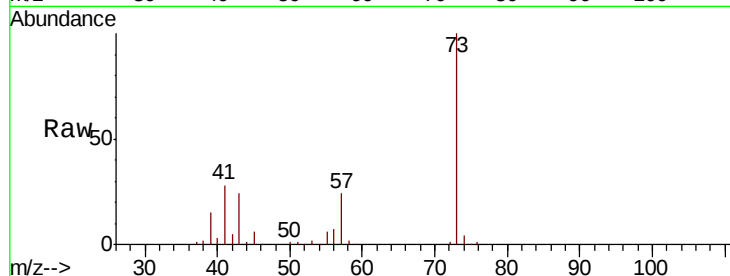


#19

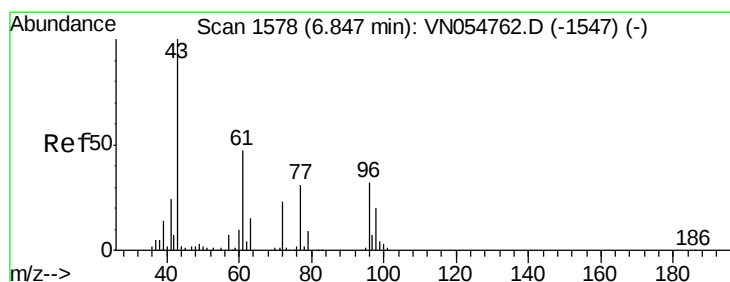
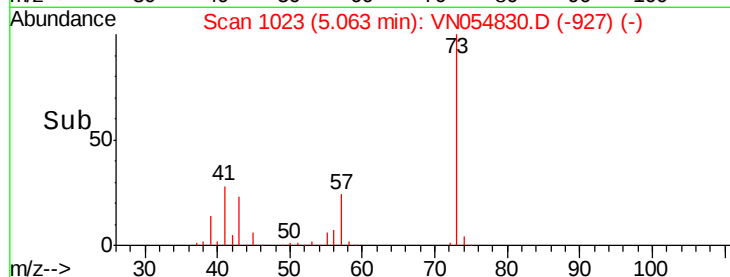
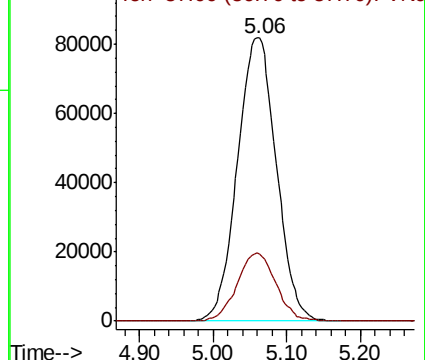
Methvl tert-butvl Ether
 Concen: 20.951 ug/l
 RT: 5.06 min Scan# 1023
 Delta R.T. 0.01 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 73 Resp: 300988
 Ion Ratio Lower Upper
 73 100
 57 23.6 16.8 25.2



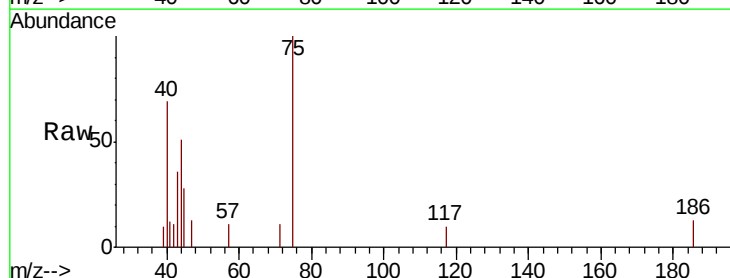
Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



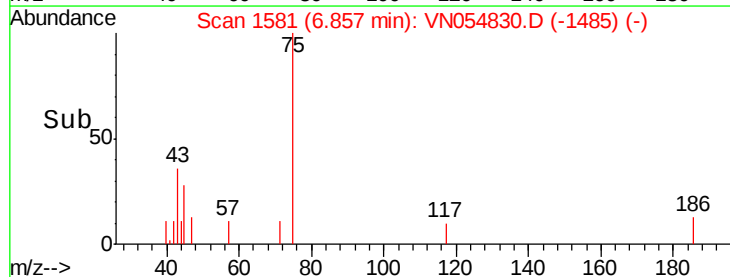
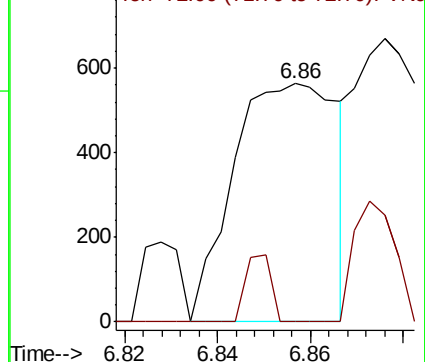
#25

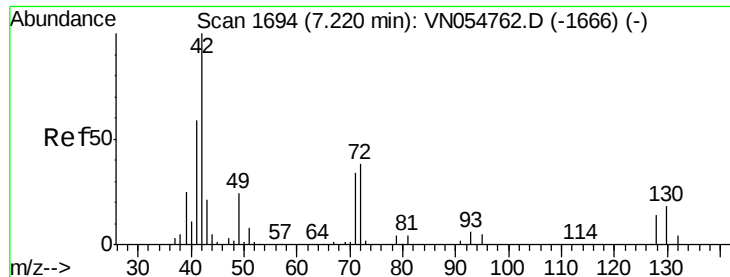
2-Butanone
 Concen: 0.352 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

Tgt Ion: 43 Resp: 874
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

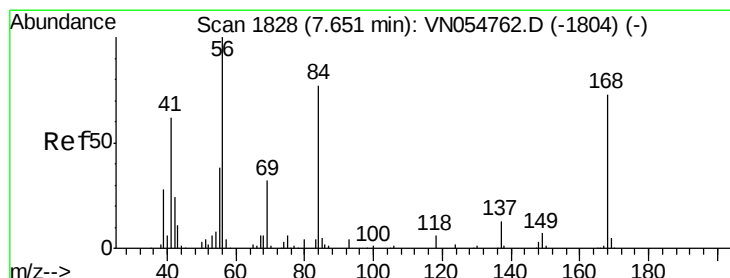
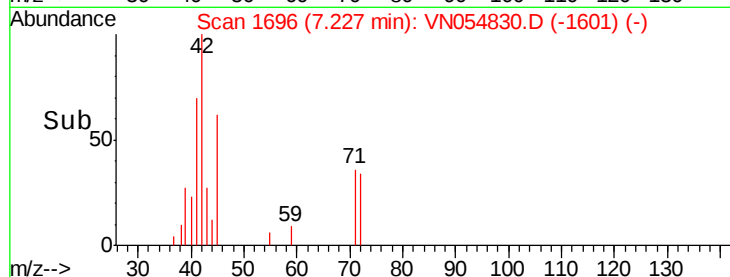
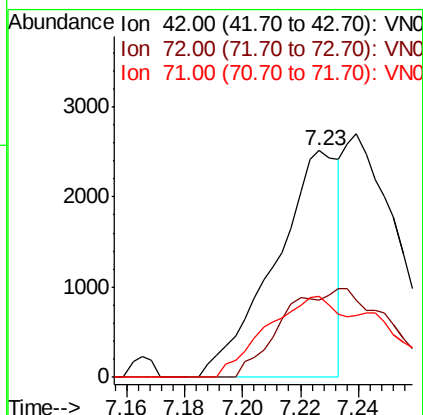
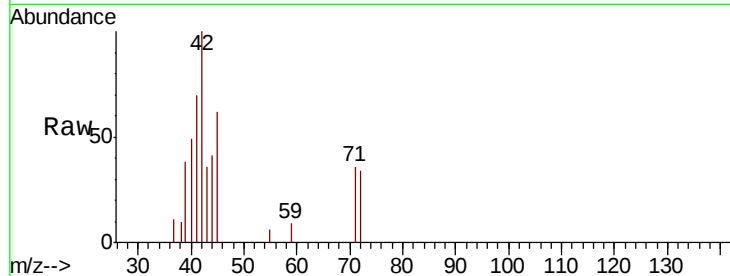




#29
Tetrahydrofuran
Concen: 2.221 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

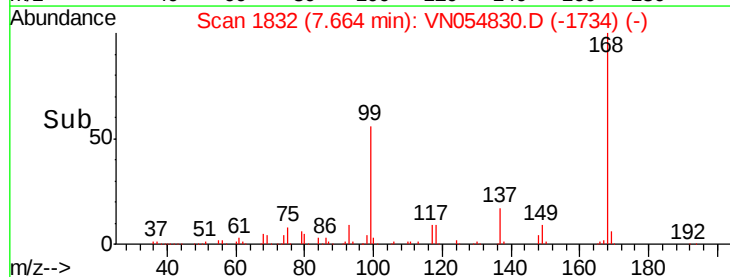
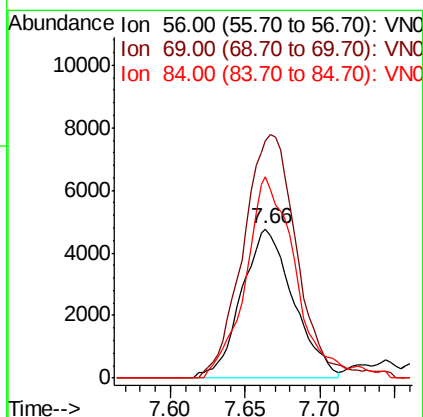
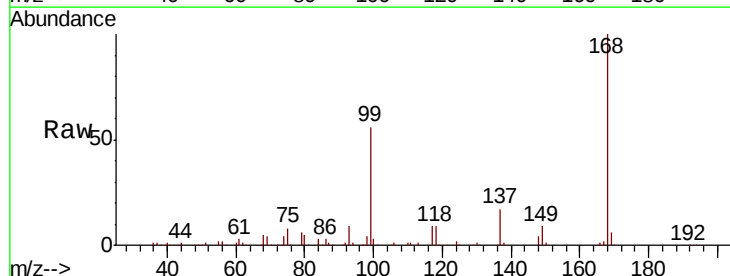
Instrument :
MSVOA_N
ClientSampleId :

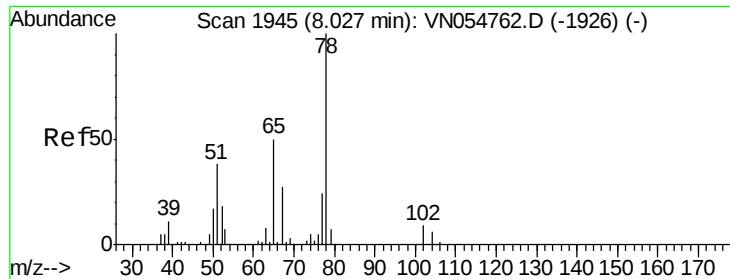
Tot Ion: 42 Resp: 3829
Ion Ratio Lower Upper
42 100
72 65.7 37.8 56.6#
71 42.2 36.2 54.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Tgt Ion: 56 Resp: 11523
Ion Ratio Lower Upper
56 100
69 158.5 27.8 41.6#
84 135.1 74.6 111.8#

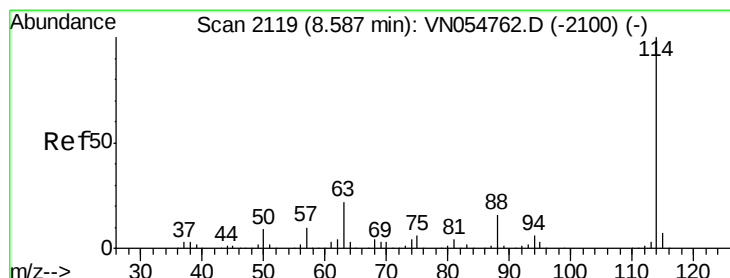
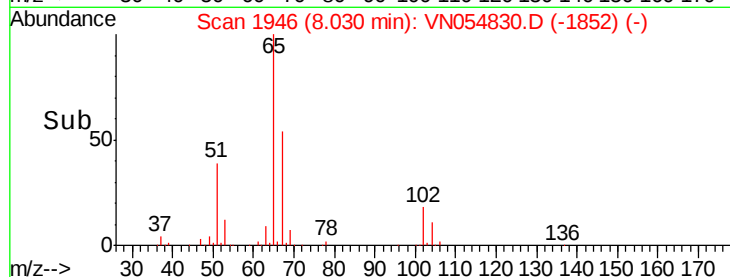
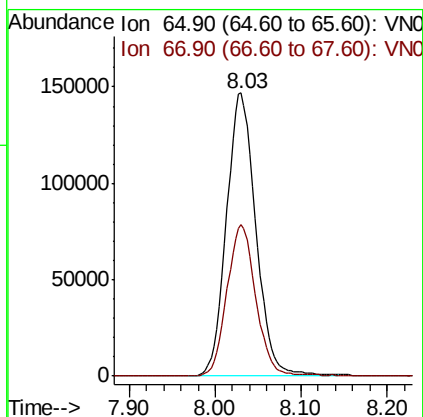
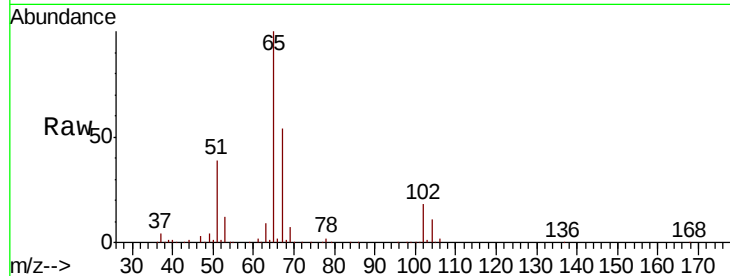




#33
 1,2-Dichloroethane-d4
 Concen: 49.521 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

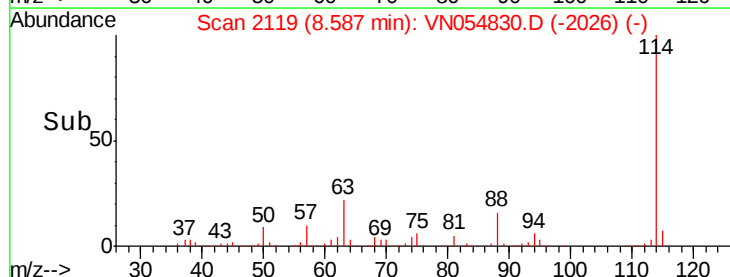
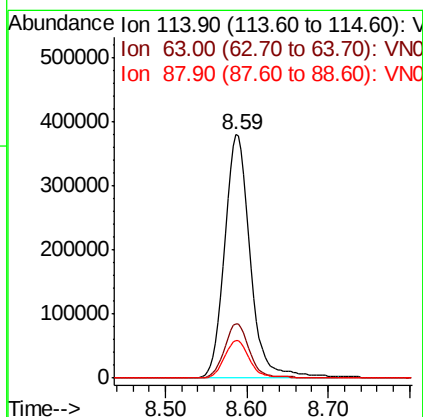
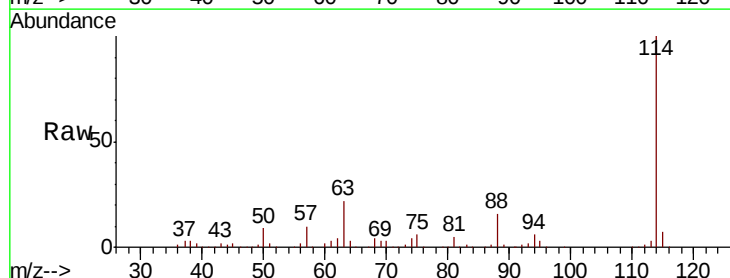
Instrument :
 MSVOA_N
 ClientSampleId :

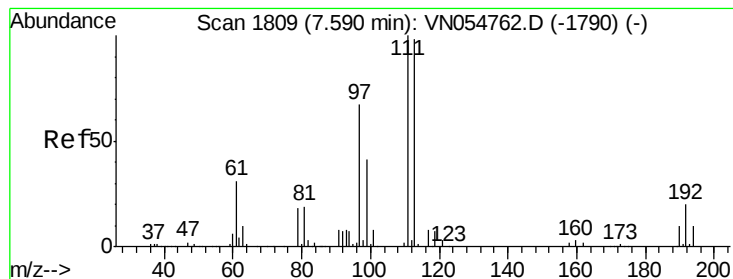
Tot Ion: 65 Resp: 348783
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

Tgt Ion: 114 Resp: 845055
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.111 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

ClientSampled :

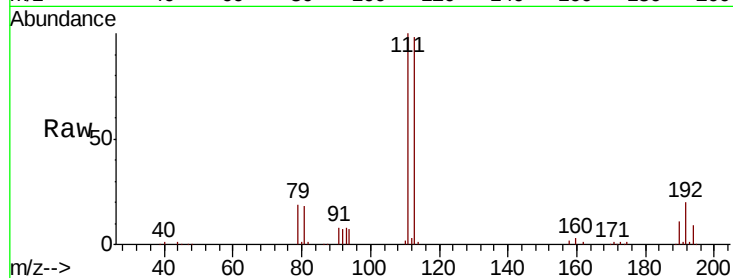
Tot Ion:113 Resp: 276688

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

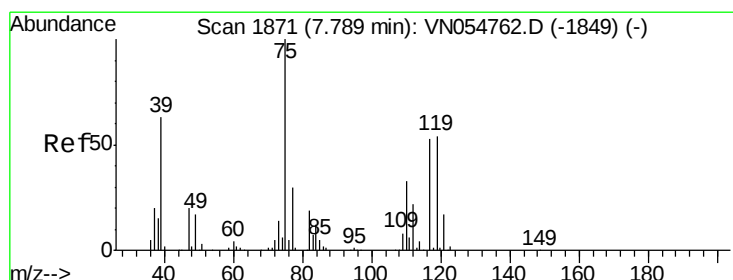
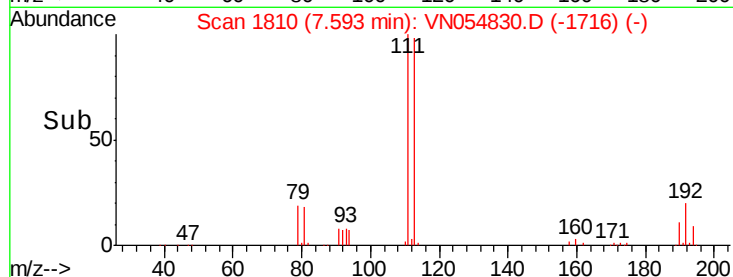
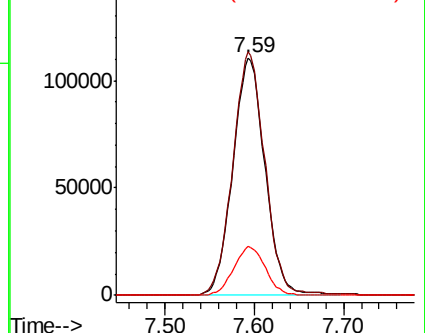
192 20.2 19.2 28.8



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: 5.142 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

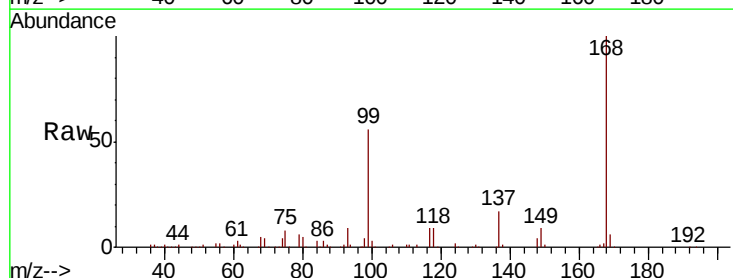
Tgt Ion: 75 Resp: 40493

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.5#

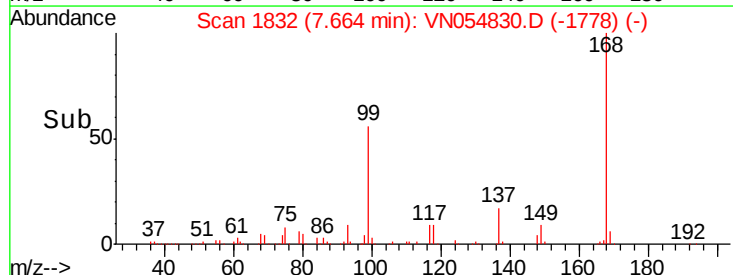
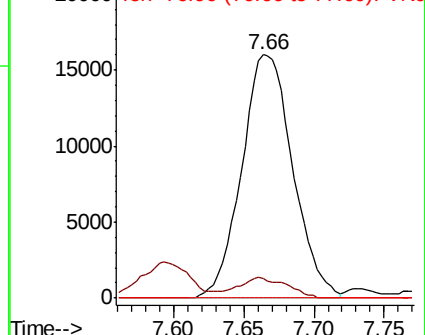
77 0.0 25.0 37.4#

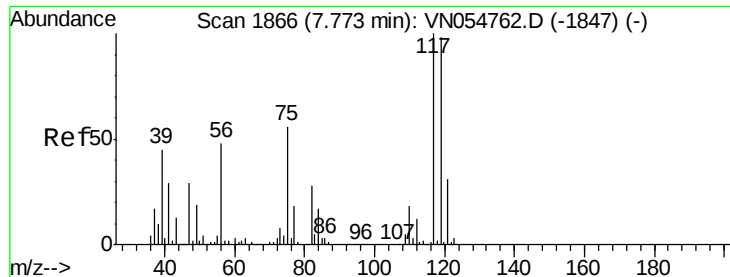


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

ClientSampled :

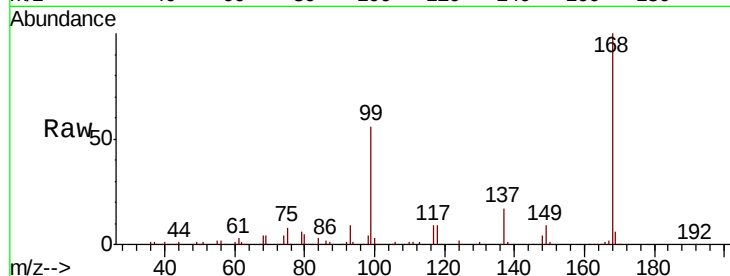
Tot Ion:117 Resp: 50015

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

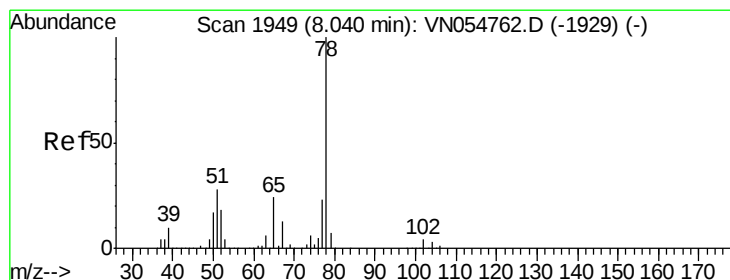
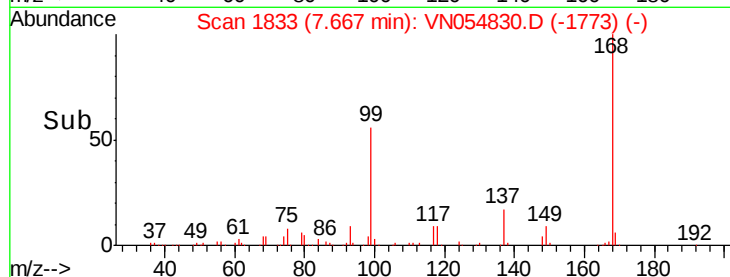
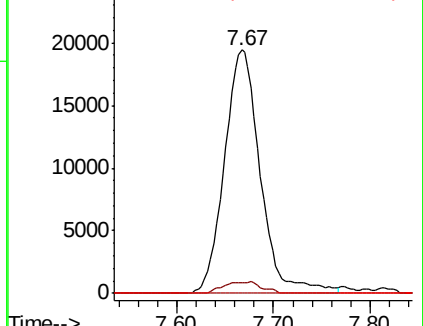
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 0.403 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VN054830.D

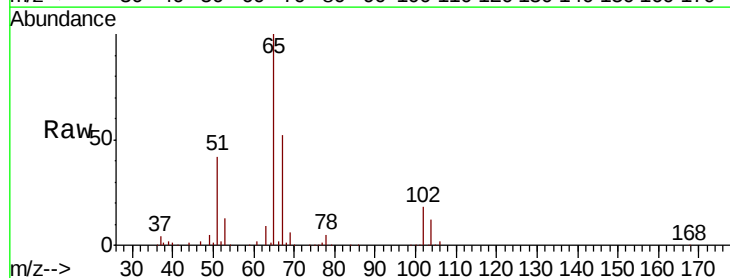
Acq: 31 Mar 2019 4:24

Tgt Ion: 78 Resp: 9074

Ion Ratio Lower Upper

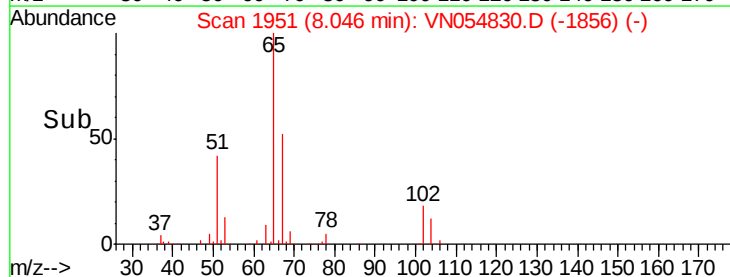
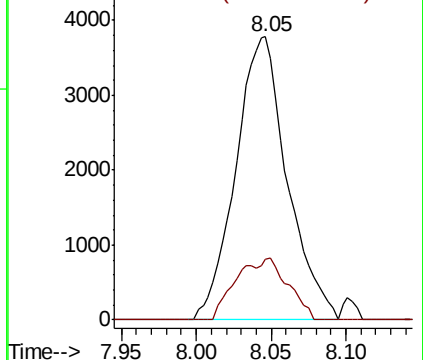
78 100

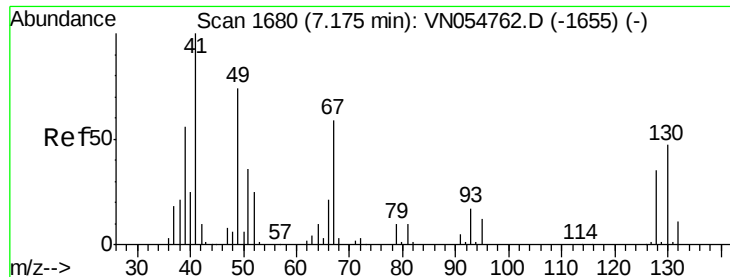
77 21.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

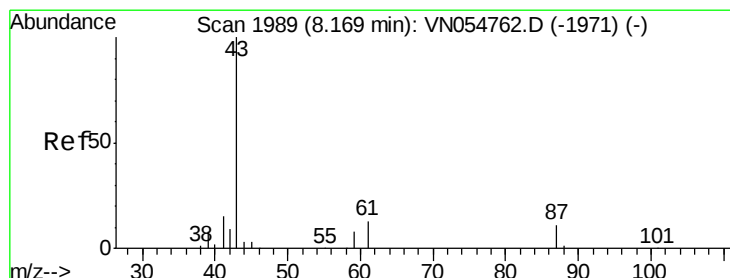
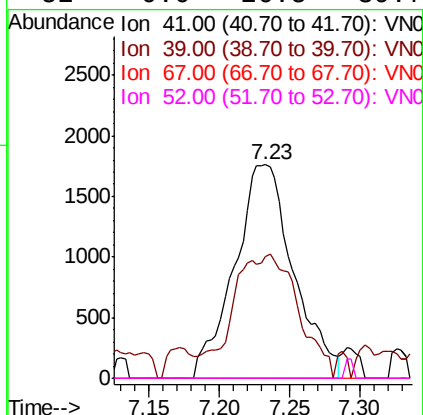
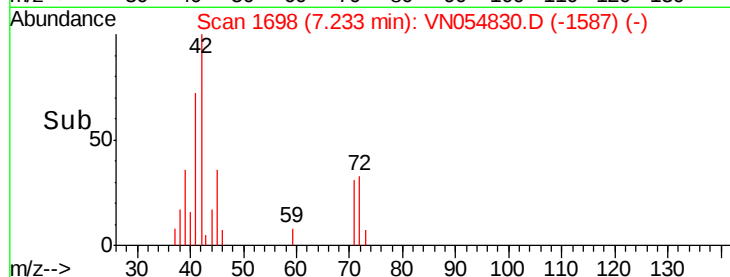
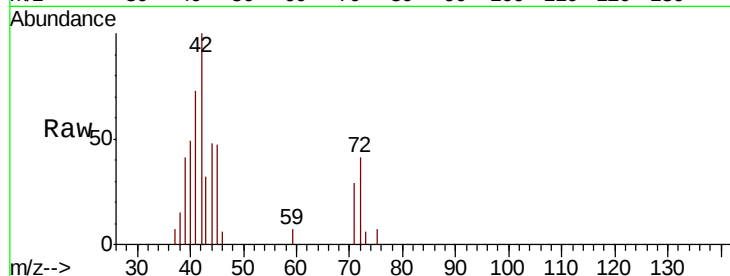




#41
Methacrylonitrile
Concen: 1.594 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.06 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

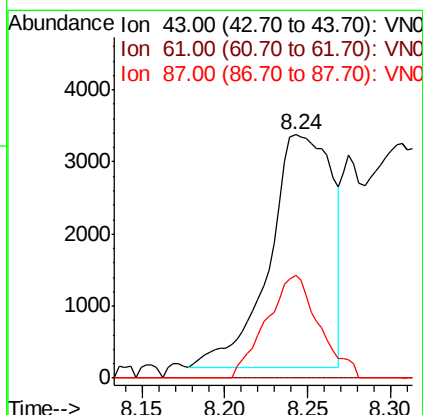
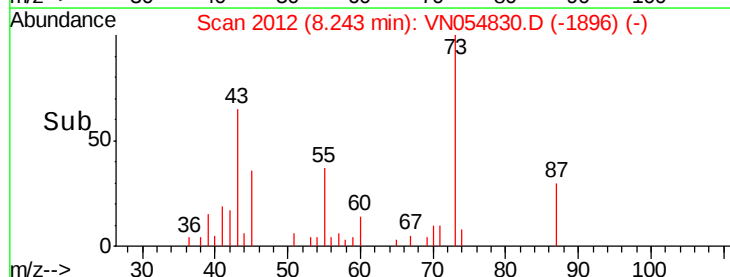
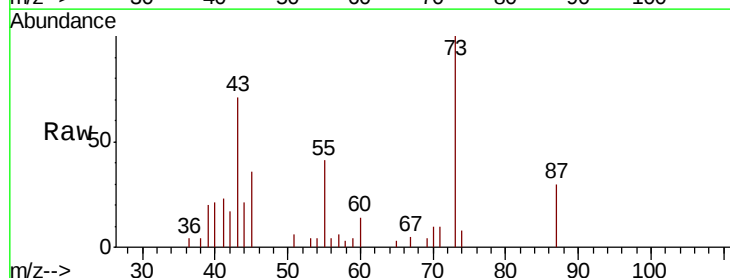
Instrument :
MSVOA_N
ClientSampled :

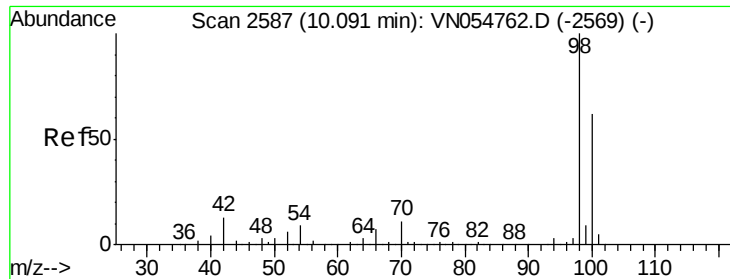
Tot Ion: 41 Resp: 5172
Ion Ratio Lower Upper
41 100
39 18.2 46.8 70.2#
67 0.0 67.0 100.4#
52 0.0 26.5 39.7#



#43
Isopropyl Acetate
Concen: 0.906 ug/l
RT: 8.24 min Scan# 2012
Delta R.T. 0.07 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Tgt Ion: 43 Resp: 8504
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 37.1 12.0 18.0#





#50

Toluene-d8

Concen: 48.294 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

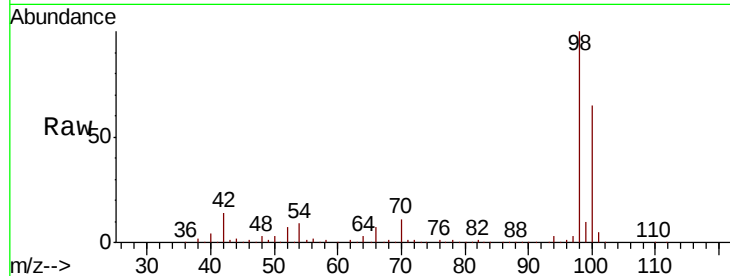
ClientSampleId :

Tot Ion: 98 Resp: 1011554

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

600000

500000

400000

300000

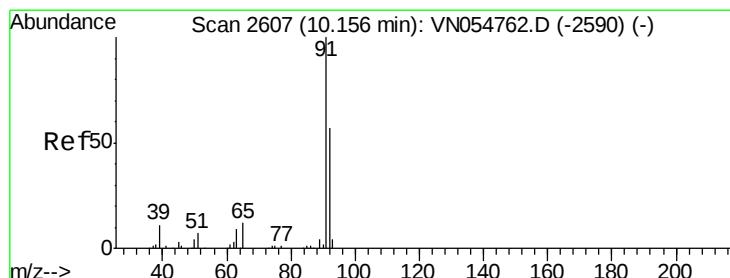
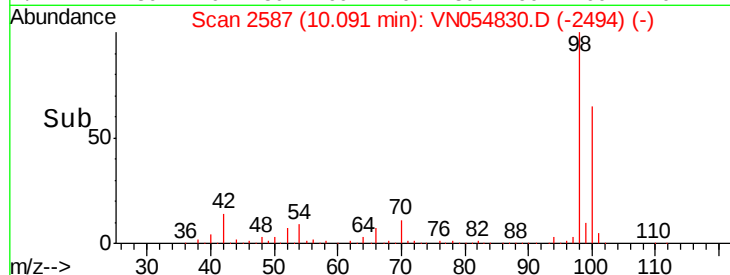
200000

100000

0

Time-->

10.00 10.10 10.20 10.30



#52

Toluene

Concen: 0.793 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054830.D

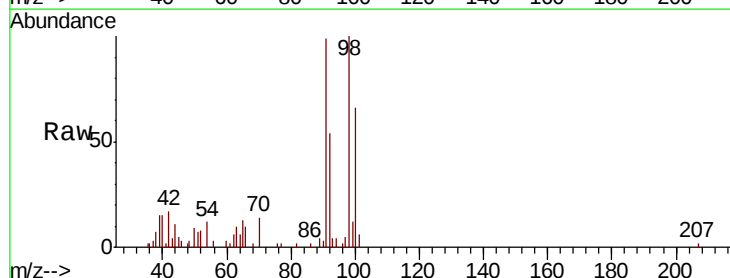
Acq: 31 Mar 2019 4:24

Tgt Ion: 92 Resp: 10629

Ion Ratio Lower Upper

92 100

91 181.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

10000

8000

6000

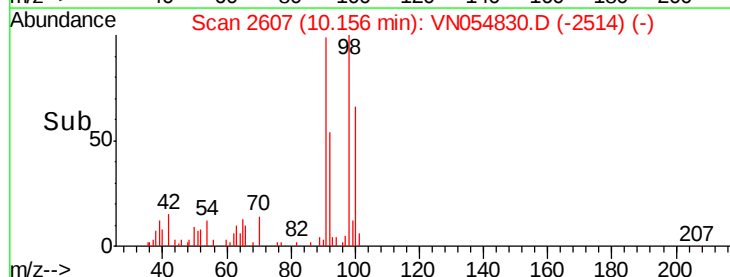
4000

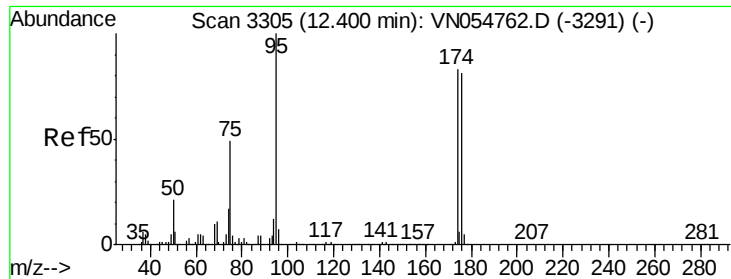
2000

0

Time-->

10.10 10.15 10.20 10.25





#62

4-Bromofluorobenzene

Concen: 43.788 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

ClientSampleId :

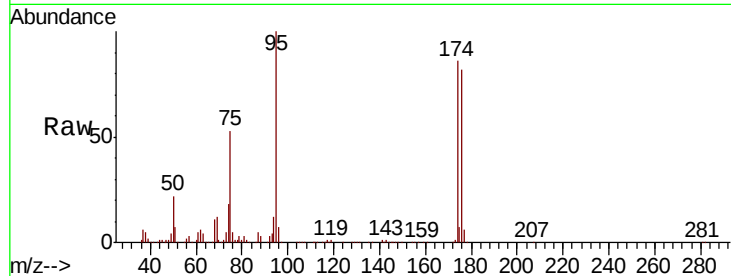
Tot Ion: 95 Resp: 305026

Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

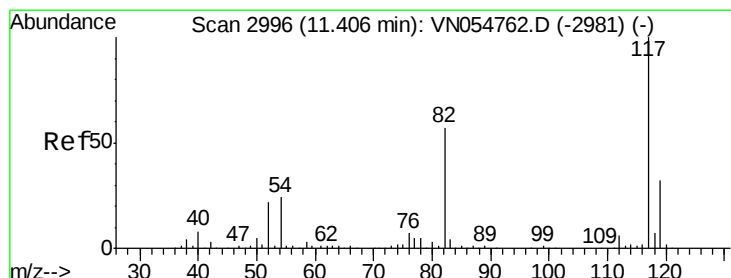
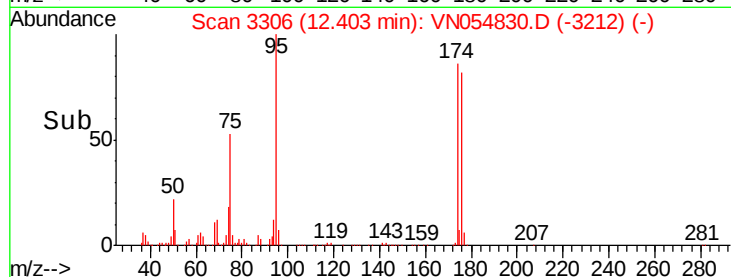
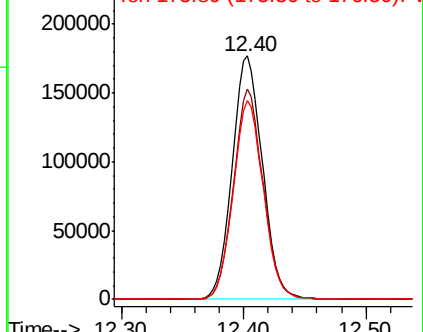
176 81.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

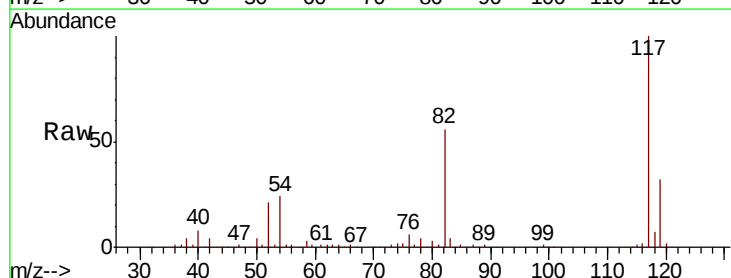
Tgt Ion: 117 Resp: 705689

Ion Ratio Lower Upper

117 100

82 55.7 40.0 60.0

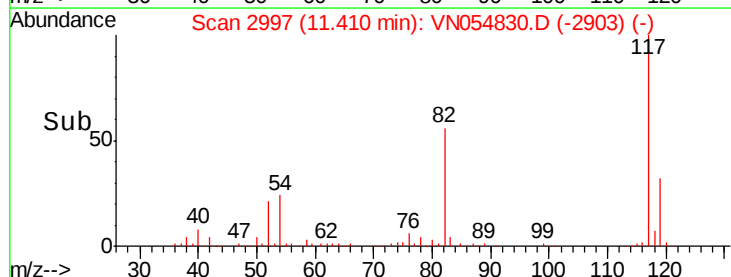
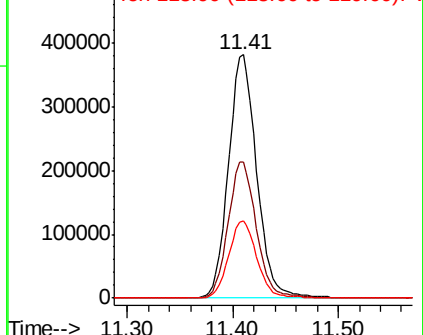
119 31.9 25.8 38.6

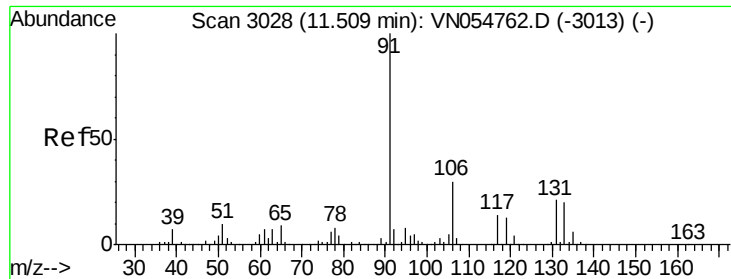


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)

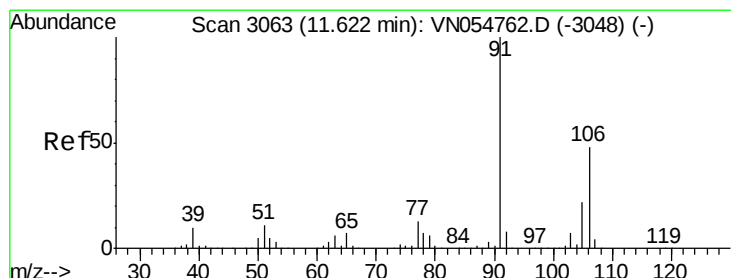
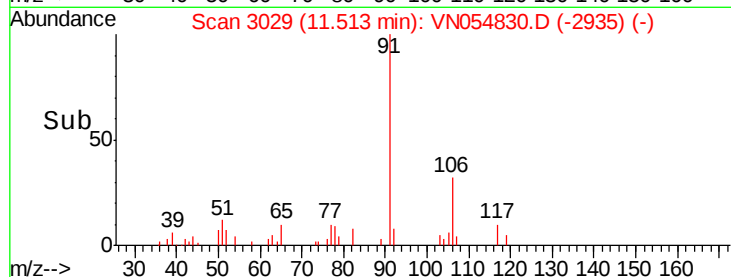
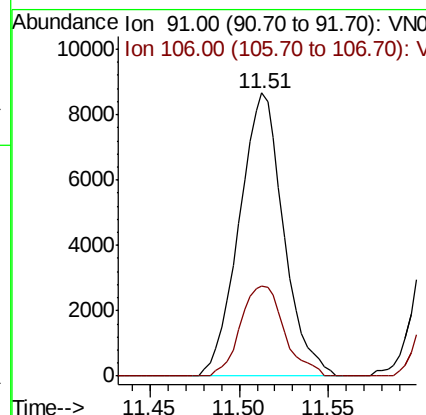
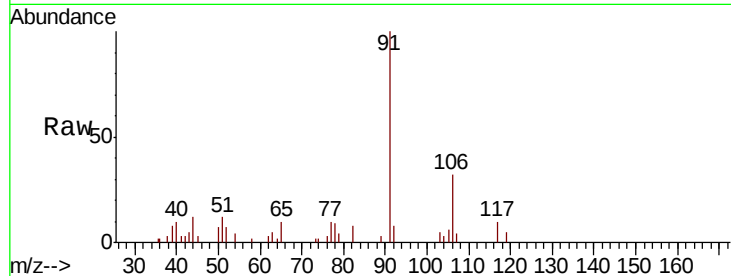




#67
Ethyl Benzene
Concen: 0.603 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

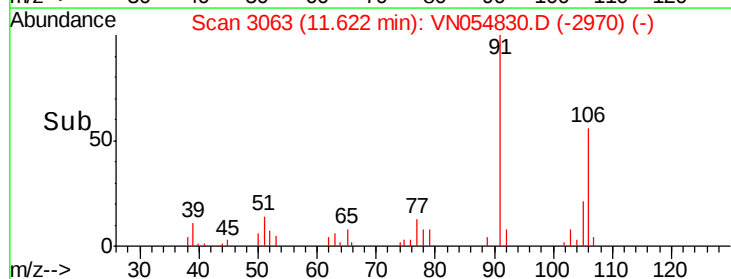
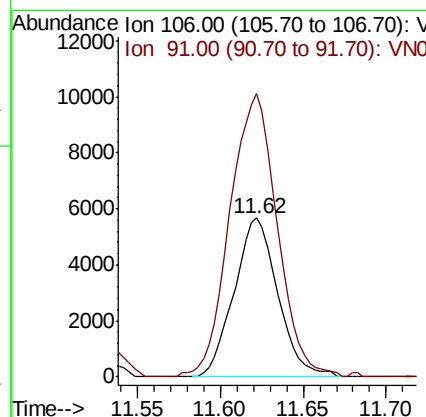
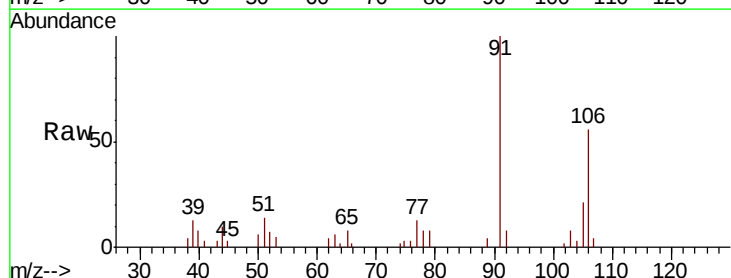
Instrument :
MSVOA_N
ClientSampleId :

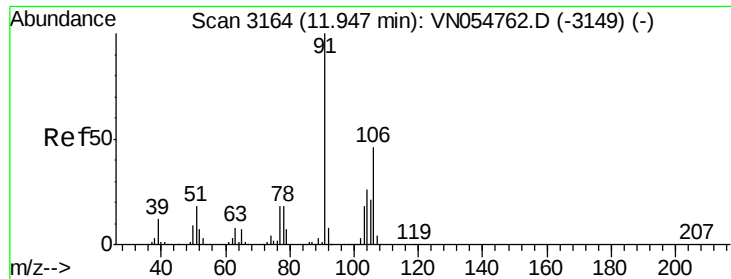
Tot Ion: 91 Resp: 15031
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 1.126 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Tgt Ion: 106 Resp: 10387
Ion Ratio Lower Upper
106 100
91 193.4 159.4 239.2

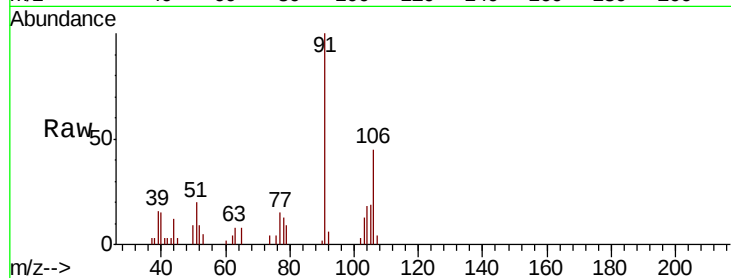




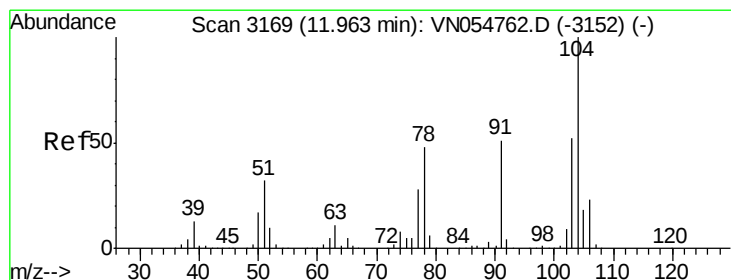
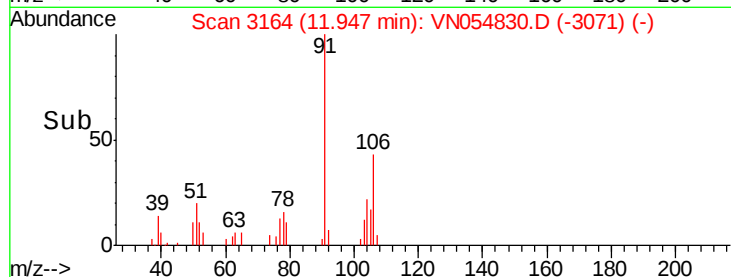
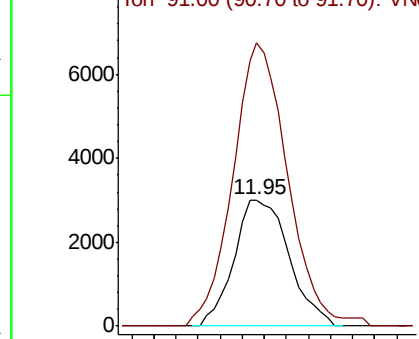
#69
o-Xylene
Concen: 0.576 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5214
Ion Ratio Lower Upper
106 100
91 223.6 105.7 317.1

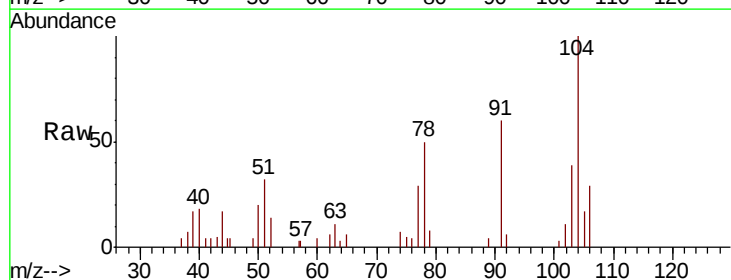


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

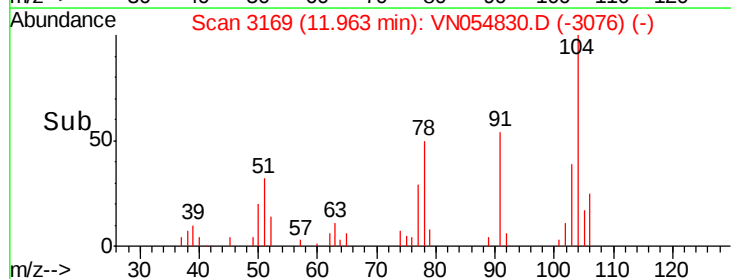
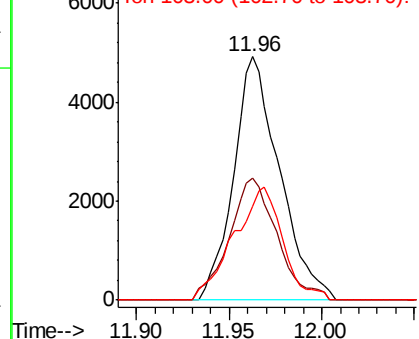


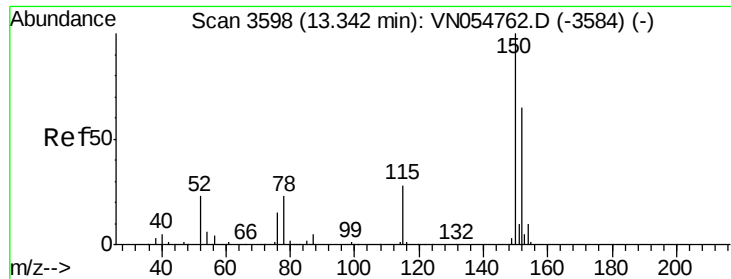
#70
Styrene
Concen: 0.585 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054830.D
Acq: 31 Mar 2019 4:24

Tgt Ion:104 Resp: 8465
Ion Ratio Lower Upper
104 100
78 52.0 38.2 57.2
103 49.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

ClientSampleId :

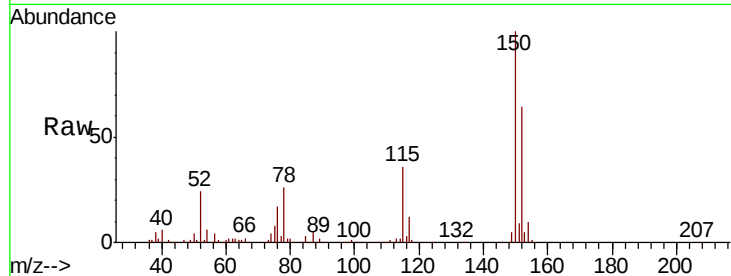
Tot Ion:152 Resp: 250807

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

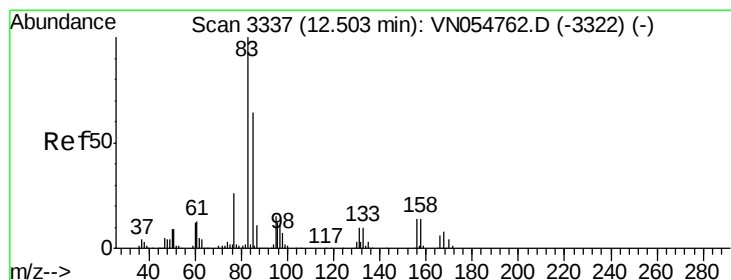
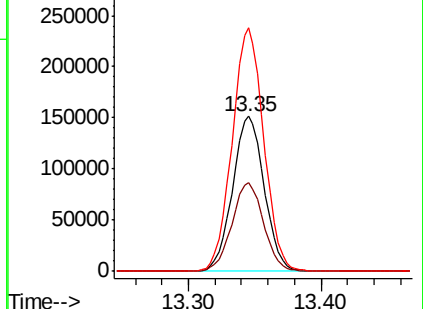
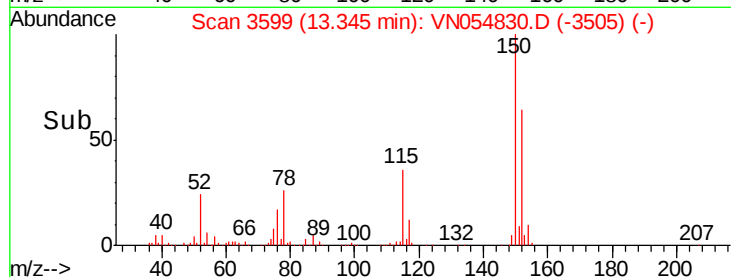
150 156.6 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

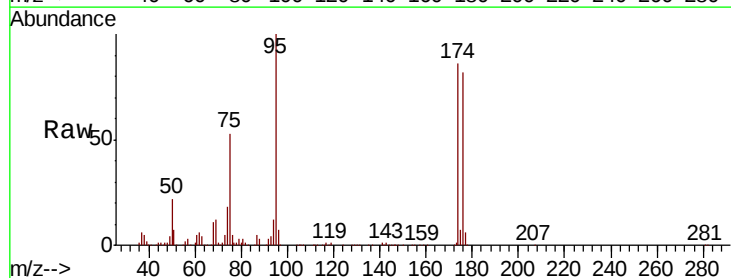
Tgt Ion: 83 Resp: 321

Ion Ratio Lower Upper

83 100

131 108.1 5.8 17.4#

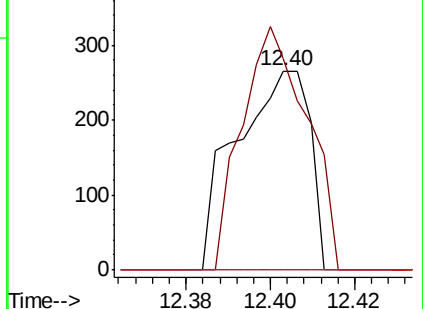
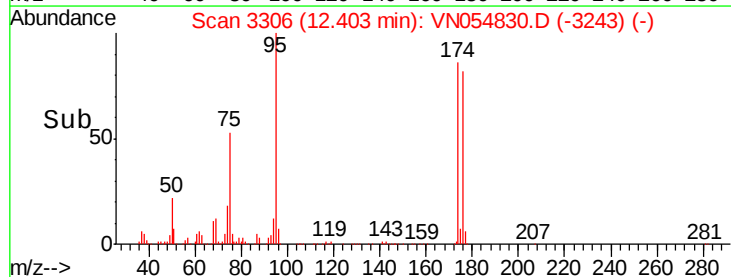
85 0.0 32.2 96.6#

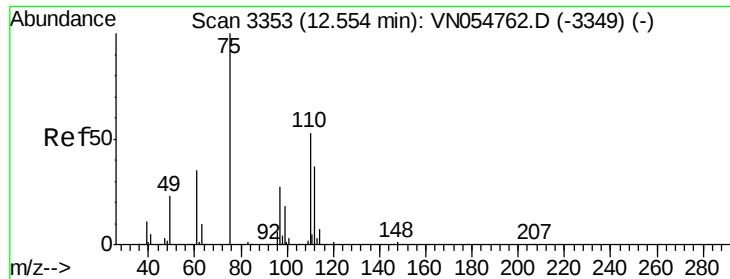


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 36.510 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

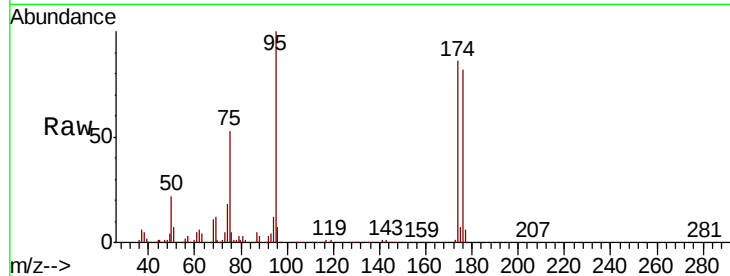
ClientSampleId :

Tot Ion: 75 Resp: 159078

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

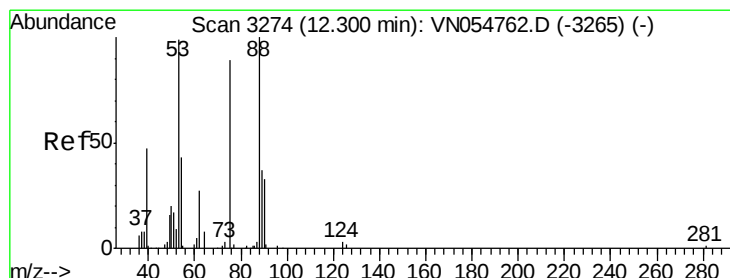
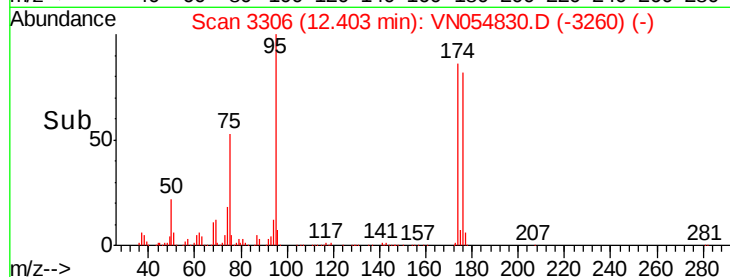
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 142.015 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

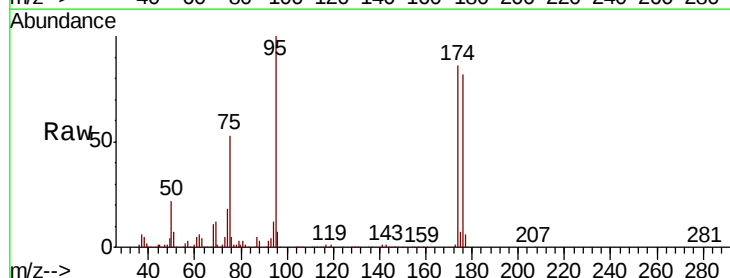
Tgt Ion: 75 Resp: 159078

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

12.40

120000

100000

80000

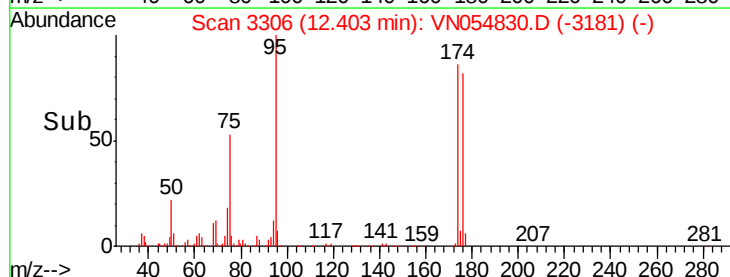
60000

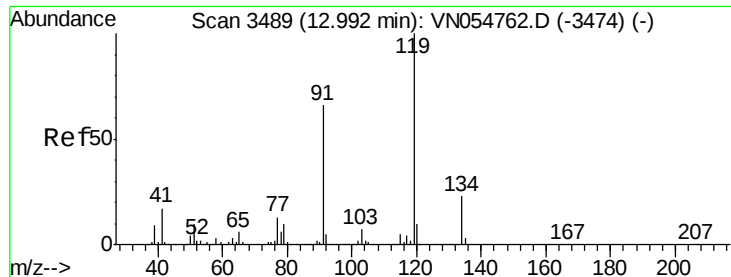
40000

20000

0

Time--> 12.30 12.40 12.50

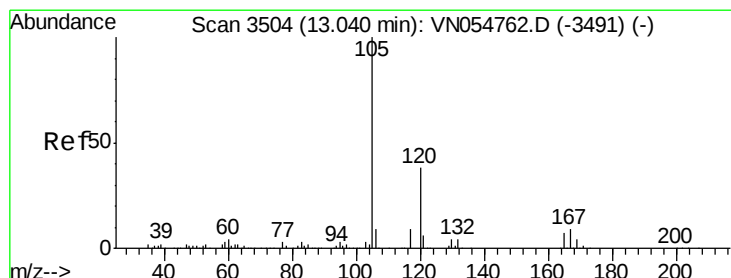
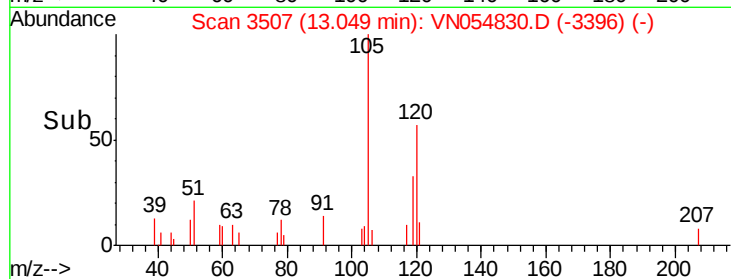
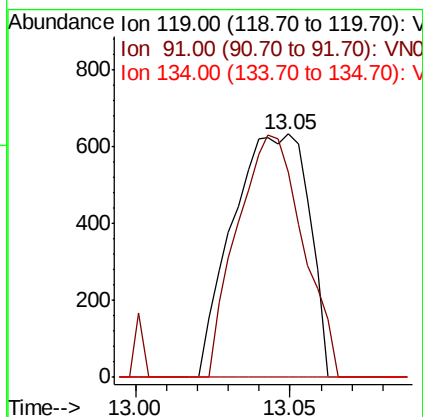
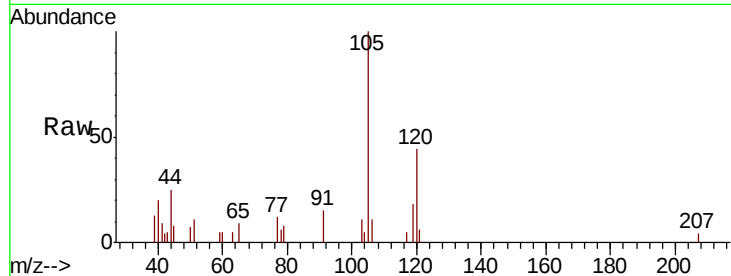




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.06 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

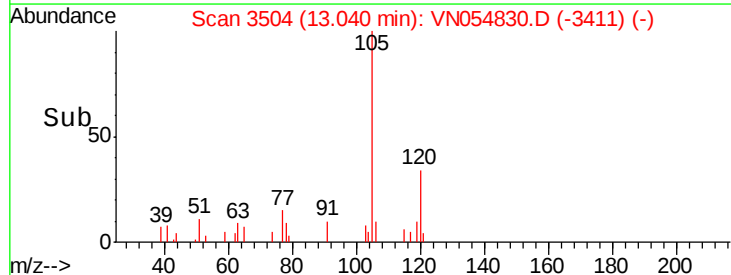
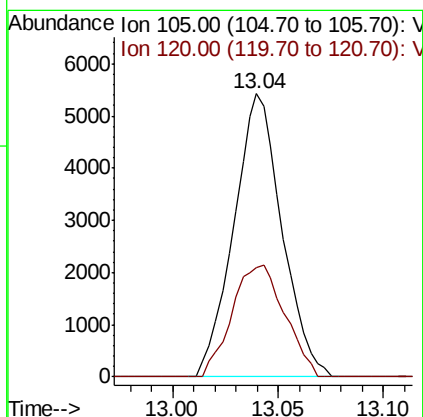
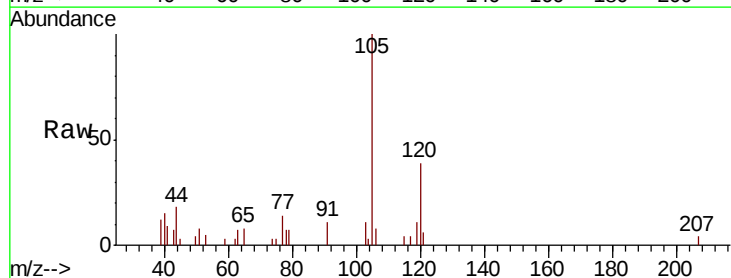
Instrument :
 MSVOA_N
 ClientSampled :

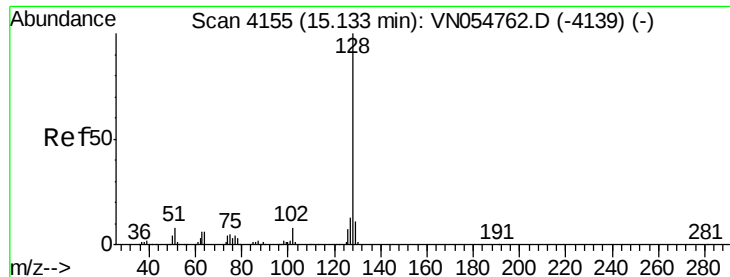
Tot Ion:119 Resp: 1089
 Ion Ratio Lower Upper
 119 100
 91 85.7 30.9 92.8
 134 0.0 13.2 39.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.535 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054830.D
 Acq: 31 Mar 2019 4:24

Tgt Ion:105 Resp: 8575
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.4 70.3





#95

Naphthalene

Concen: 0.313 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

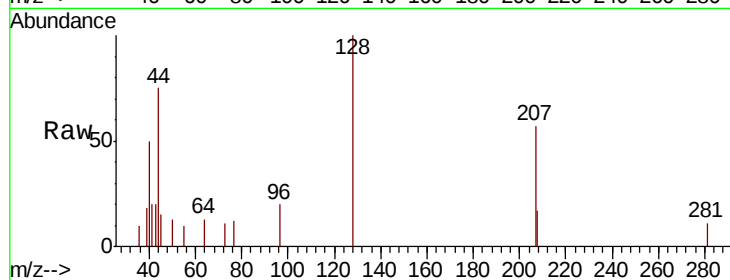
Lab File: VN054830.D

Acq: 31 Mar 2019 4:24

Instrument :

MSVOA_N

ClientSampleId :



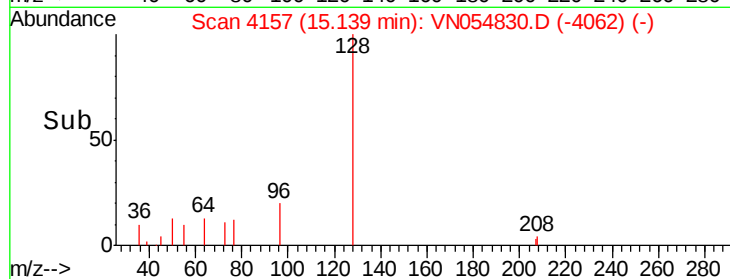
Tot Ion:128 Resp: 2828

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

2000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

