

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057091.D
 Acq On : 6 Aug 2019 10:23
 Operator : JC/SP
 Sample : VN0806WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL01

Quant Time: Aug 07 02:20:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	573261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	834190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	681550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	314020	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	7.58	113	285773	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	10.08	98	1077557	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	281028	42.39	ug/l	0.00
Spiked Amount			Recovery	=	84.78%	

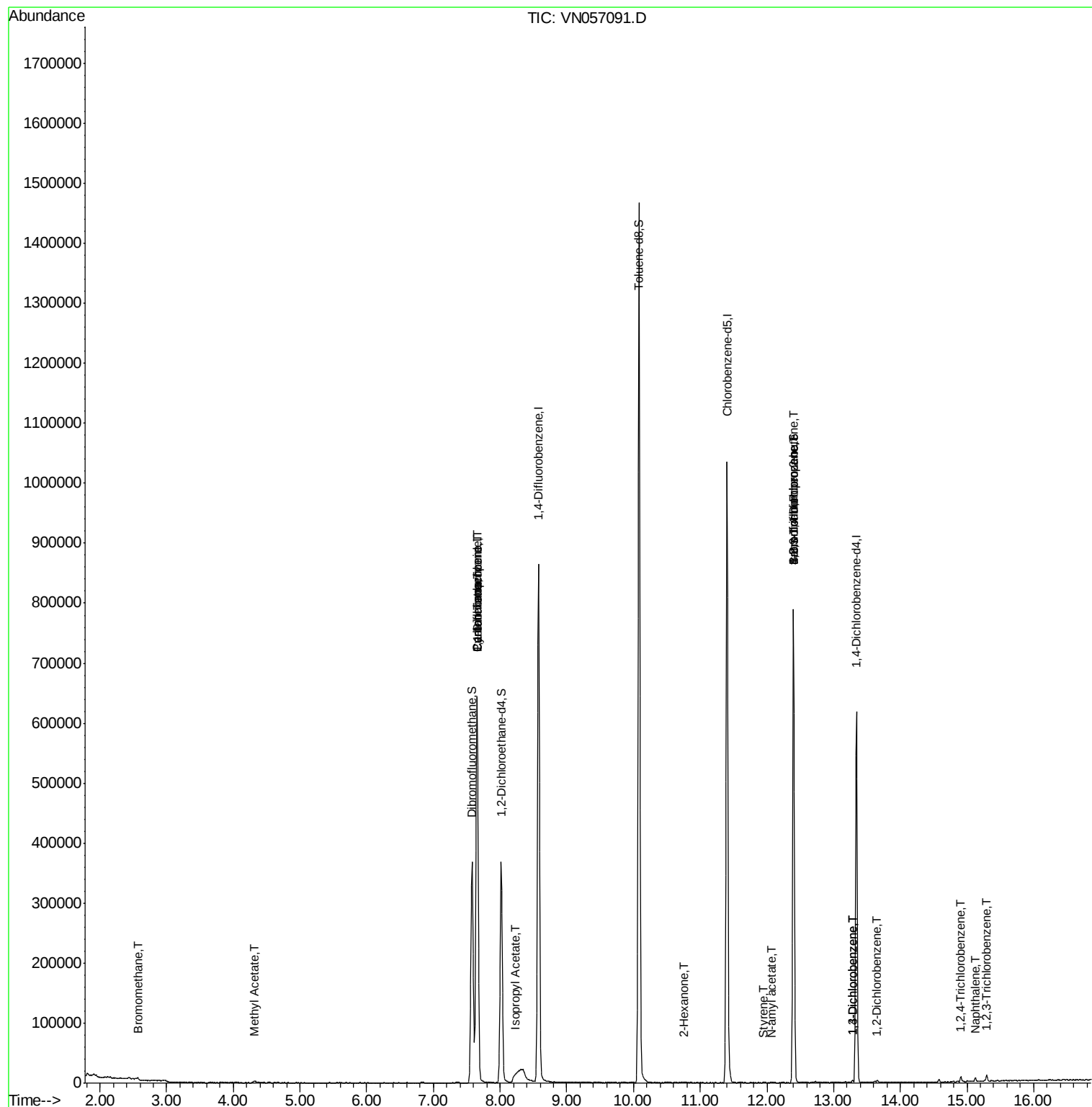
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	1499	0.371	ug/l #	74
18) Methyl Acetate	4.32	43	4146	0.611	ug/l	94
31) Cyclohexane	7.65	56	9054	0.939	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35567	4.845	ug/l #	49
38) Carbon Tetrachloride	7.65	117	48723	7.017	ug/l #	18
43) Isopropyl Acetate	8.21	43	8257	0.850	ug/l #	52
59) 2-Hexanone	10.75	43	1620	2.861	ug/l #	59
70) Styrene	11.96	104	451	1.895	ug/l #	26
71) Bromoform	12.40	173	2520	0.690	ug/l #	1
74) N-amyl acetate	12.07	43	1064	0.227	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	131042	34.492	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131042	110.821	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	1659	0.258	ug/l	92
88) 1,4-Dichlorobenzene	13.28	146	1659	0.268	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	2098	0.332	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	3186	3.636	ug/l	93
94) Hexachlorobutadiene	15.01	225	540	Below Cal	#	67
95) Naphthalene	15.13	128	5969	4.285	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	4143	3.256	ug/l	91

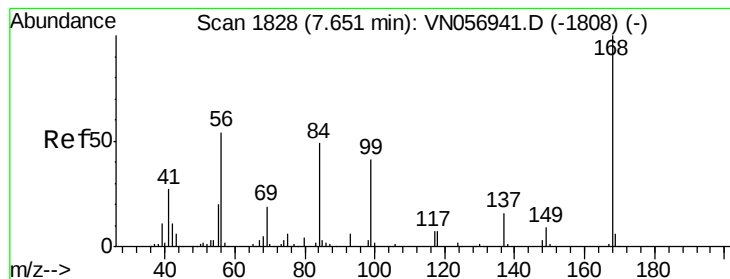
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
Data File : VN057091.D
Acq On : 6 Aug 2019 10:23
Operator : JC/SP
Sample : VN0806WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Quant Time: Aug 07 02:20:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

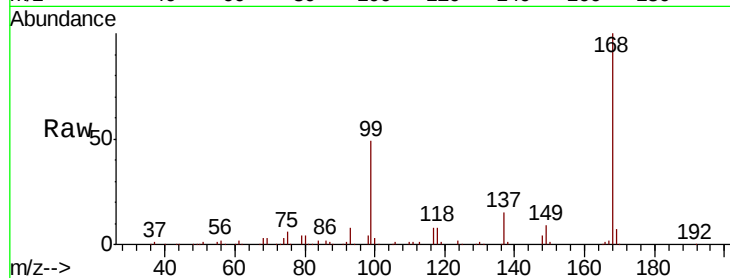
VN0806WBL01

Tgt Ion:168 Resp: 573261

Ion Ratio Lower Upper

168 100

99 49.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

250000

200000

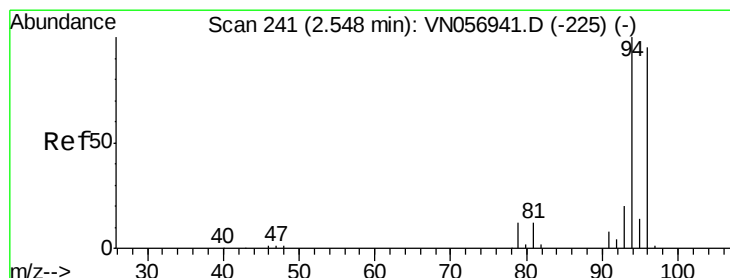
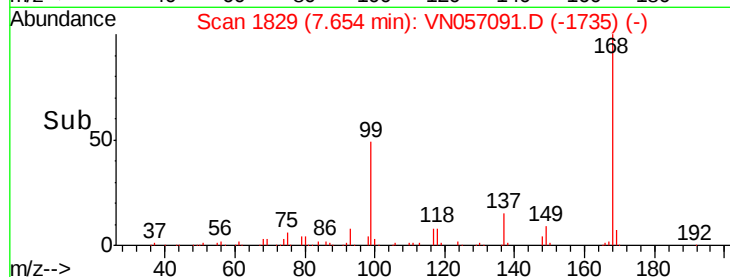
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.371 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN057091.D

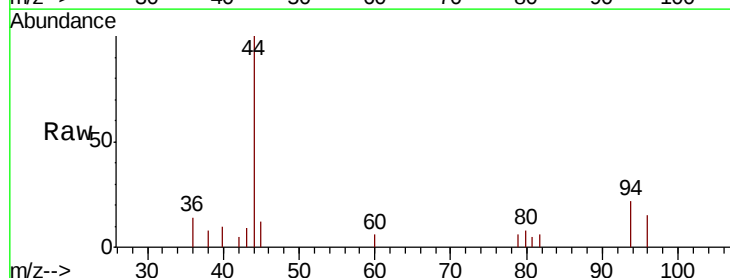
Acq: 6 Aug 2019 10:23

Tgt Ion: 94 Resp: 1499

Ion Ratio Lower Upper

94 100

96 70.1 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN056941.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056941.D (-225) (-)

2.56

800

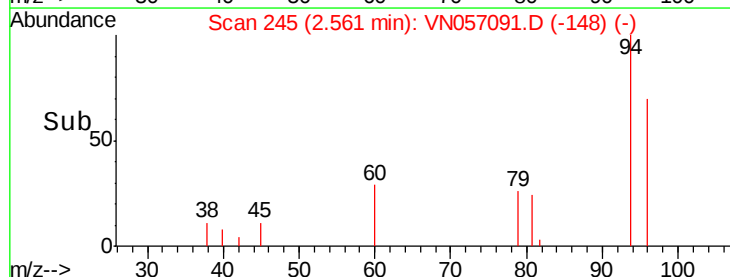
600

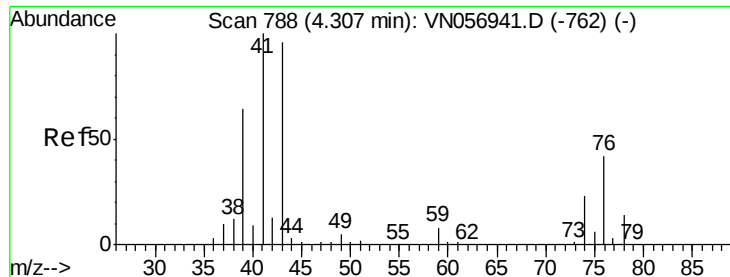
400

200

0

Time-->

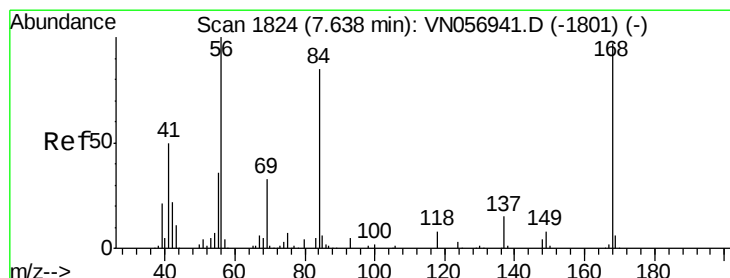
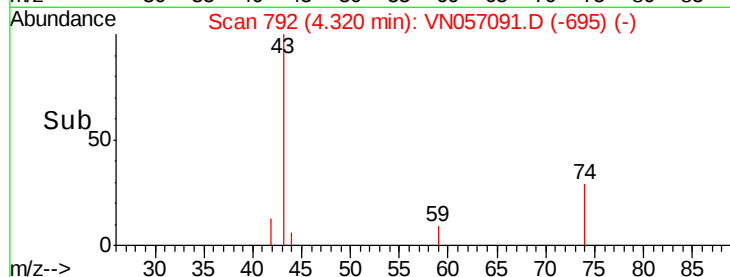
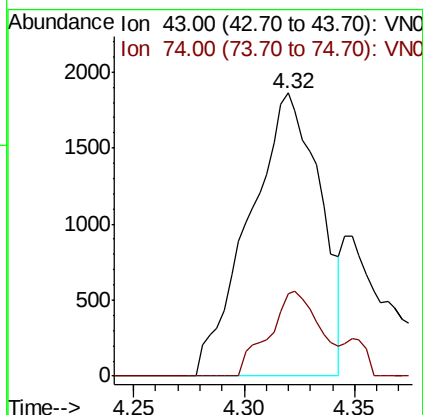
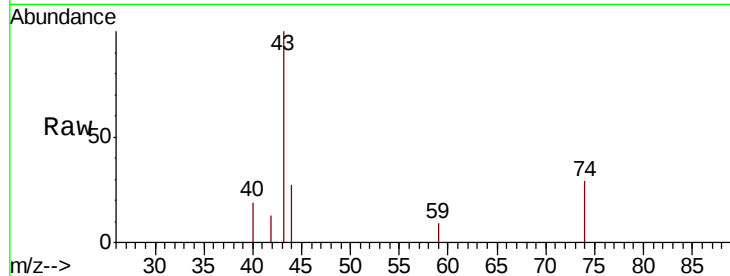




#18
Methyl Acetate
Concen: 0.611 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057091.D
Acq: 6 Aug 2019 10:23

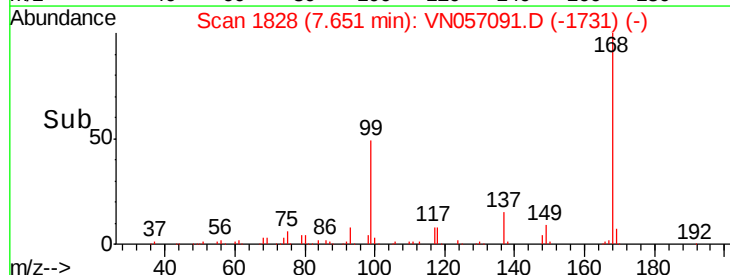
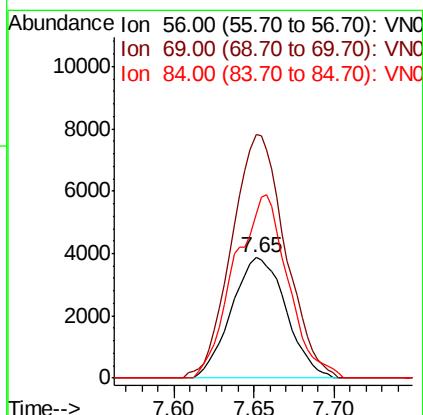
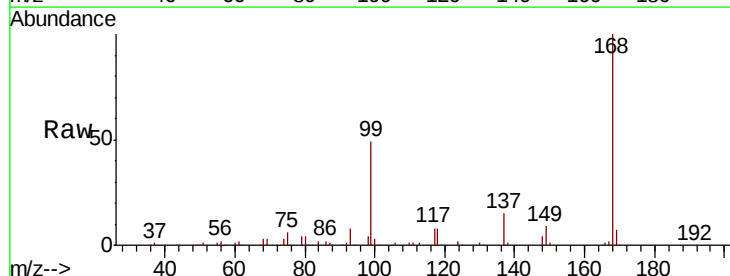
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

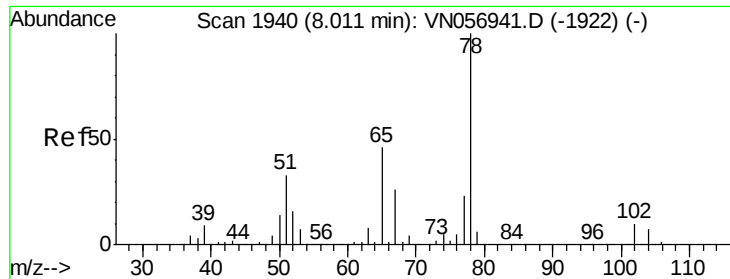
Tgt Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
74 21.6 19.7 29.5



#31
Cyclohexane
Concen: 0.939 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057091.D
Acq: 6 Aug 2019 10:23

Tgt Ion: 56 Resp: 9054
Ion Ratio Lower Upper
56 100
69 202.0 26.2 39.2#
84 136.2 68.2 102.2#

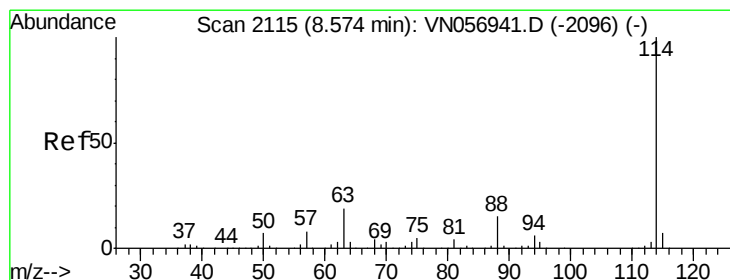
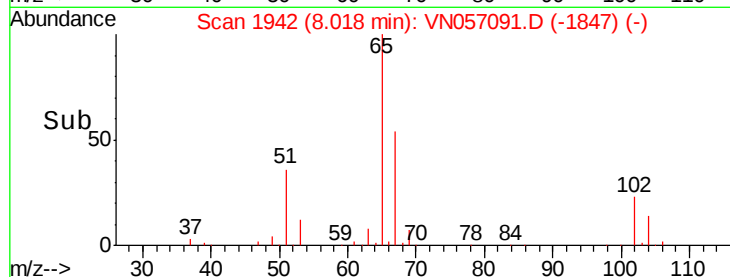
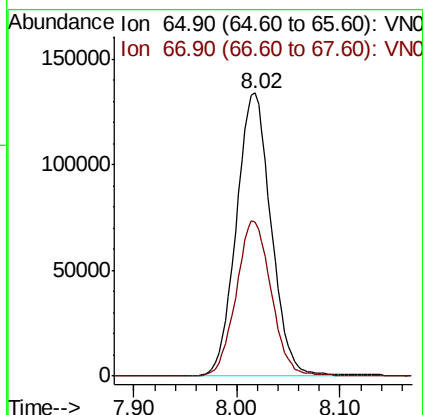
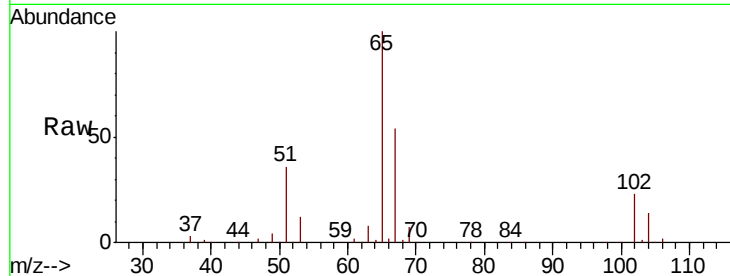




#33
 1,2-Dichloroethane-d4
 Concen: 53.513 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

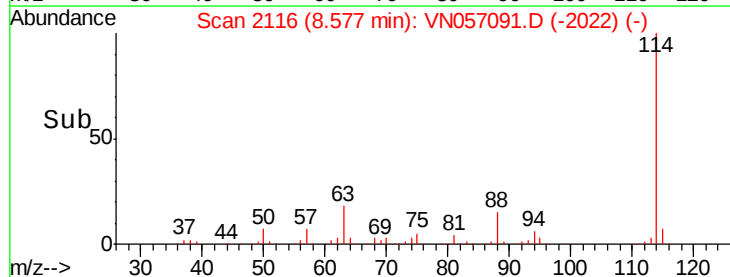
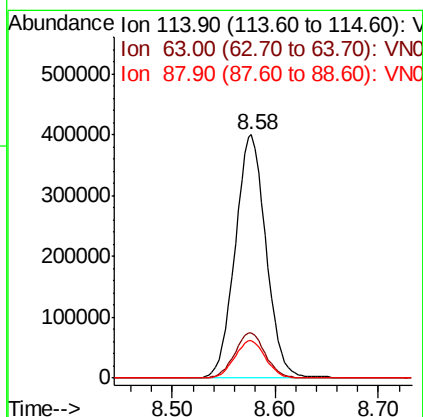
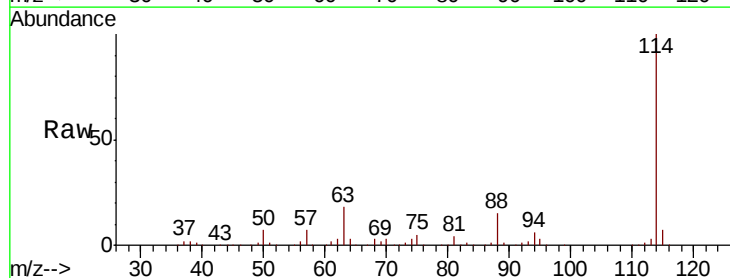
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL01

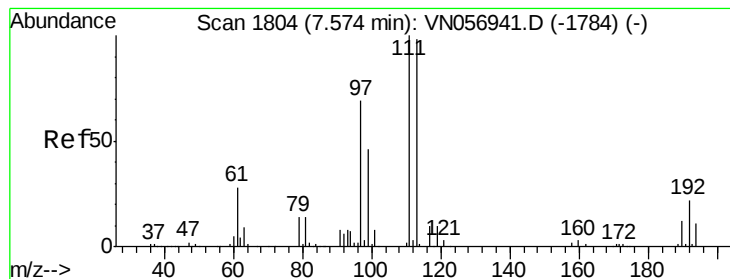
Tgt Ion: 65 Resp: 314020
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Tgt Ion: 114 Resp: 834190
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.0
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.513 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL01

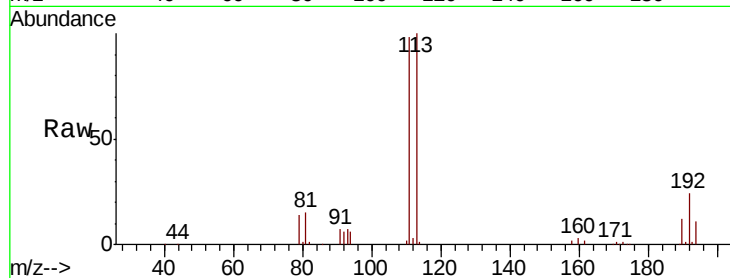
Tgt Ion:113 Resp: 285773

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

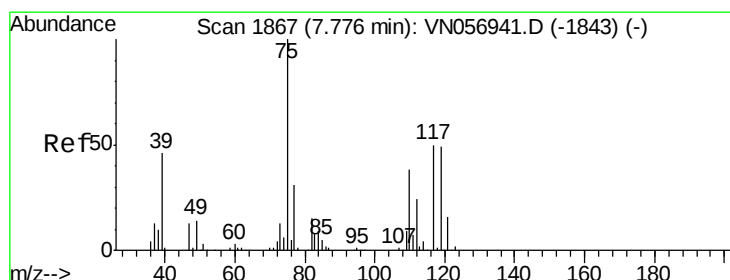
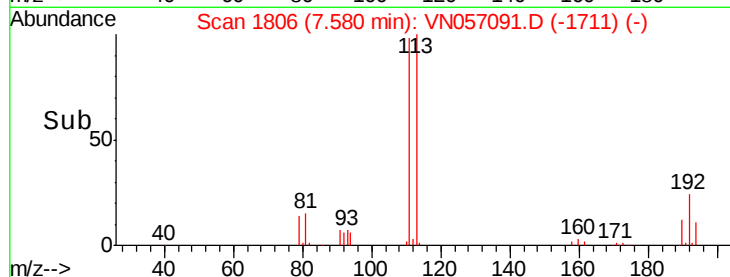
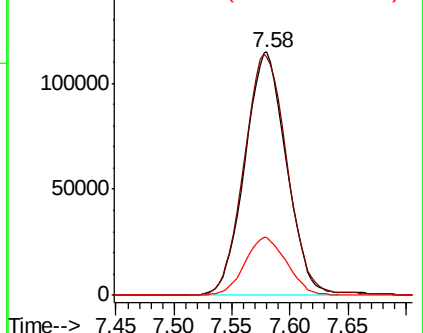
192 24.2 18.4 27.6



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: 4.845 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

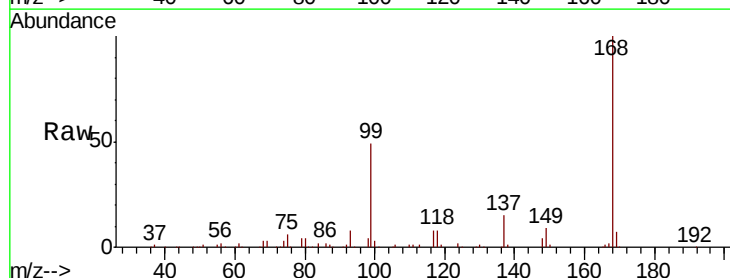
Tgt Ion: 75 Resp: 35567

Ion Ratio Lower Upper

75 100

110 9.6 18.6 55.8#

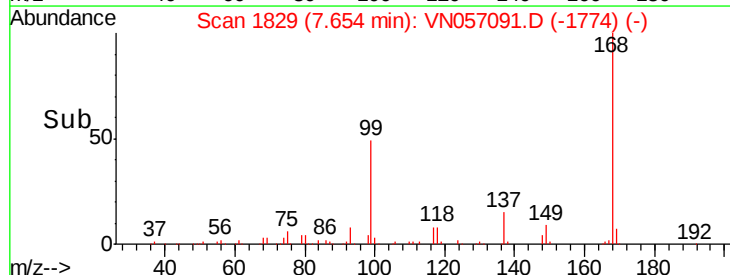
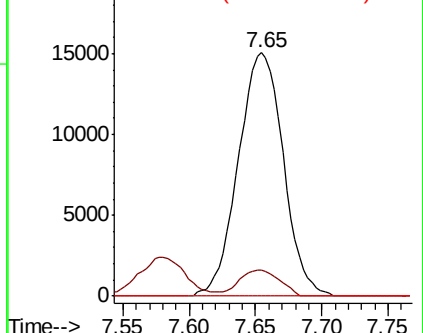
77 0.0 25.2 37.8#

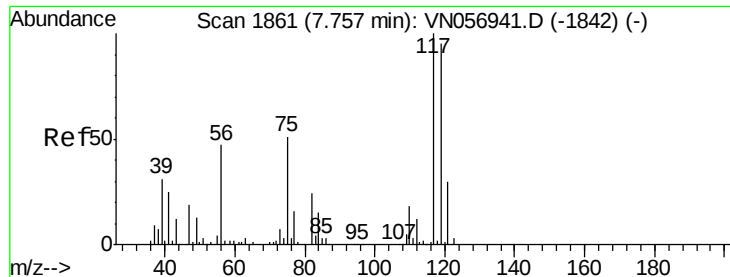


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 7.017 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

VN0806WBL01

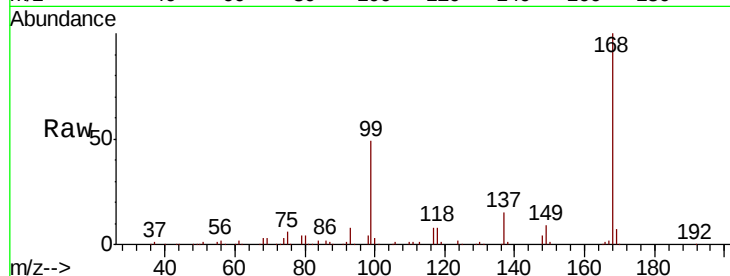
Tgt Ion:117 Resp: 48723

Ion Ratio Lower Upper

117 100

119 6.1 75.3 112.9#

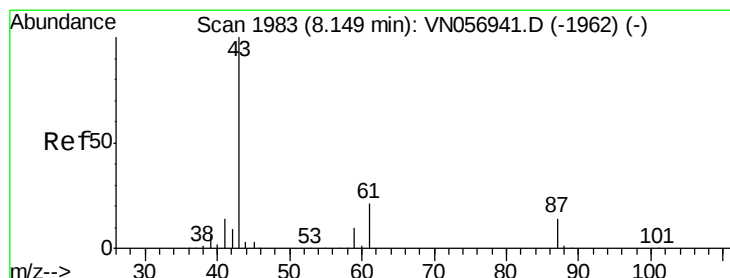
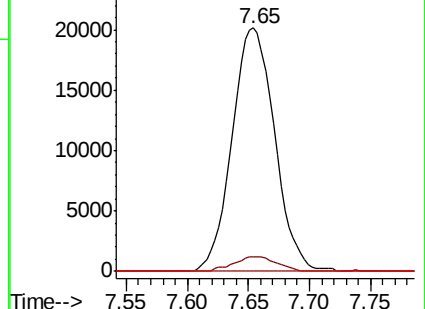
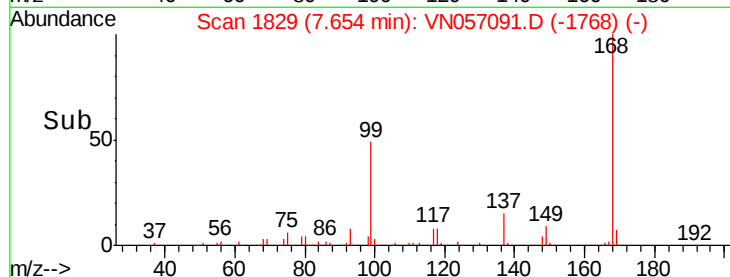
121 0.0 24.2 36.4#



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



#43

Isopropyl Acetate

Concen: 0.850 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.06 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

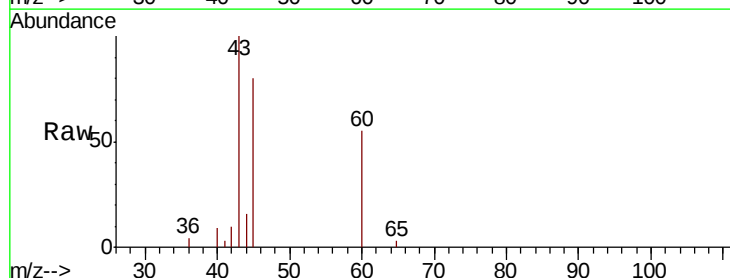
Tgt Ion: 43 Resp: 8257

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

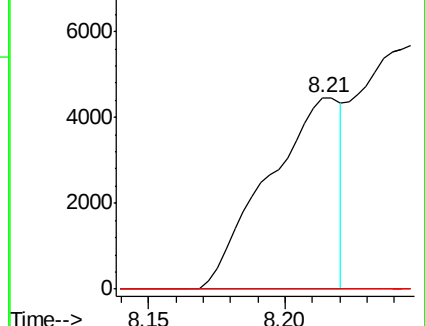
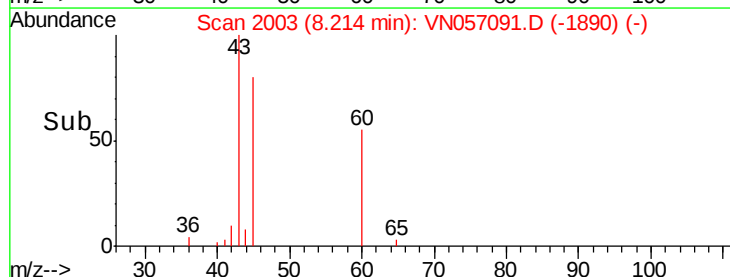
87 0.0 11.7 17.5#

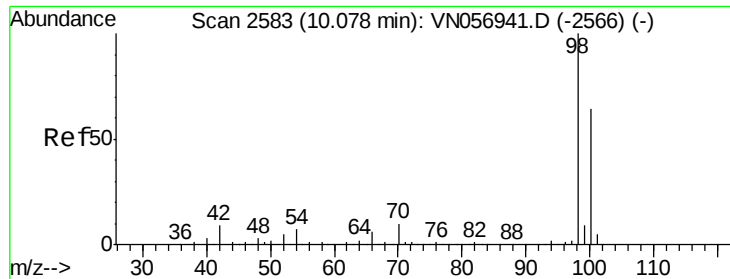


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 52.913 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

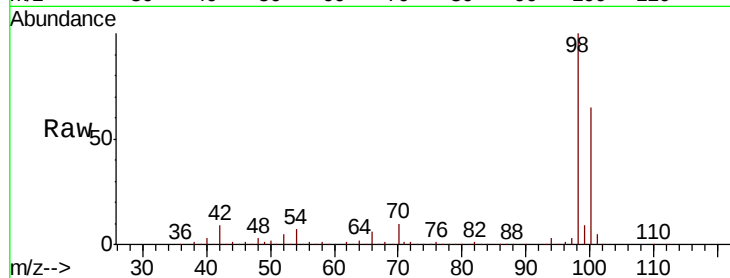
VN0806WBL01

Tgt Ion: 98 Resp: 1077557

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

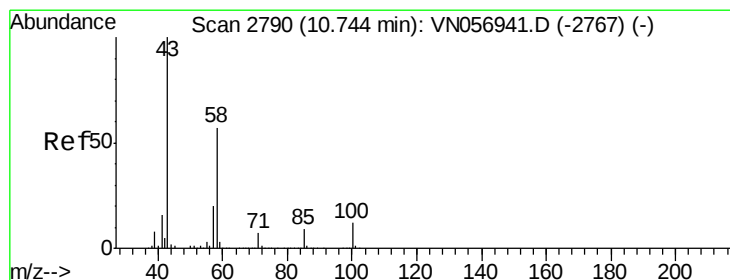
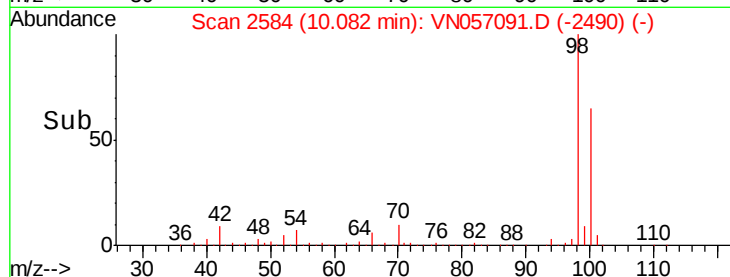
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 2.861 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN057091.D

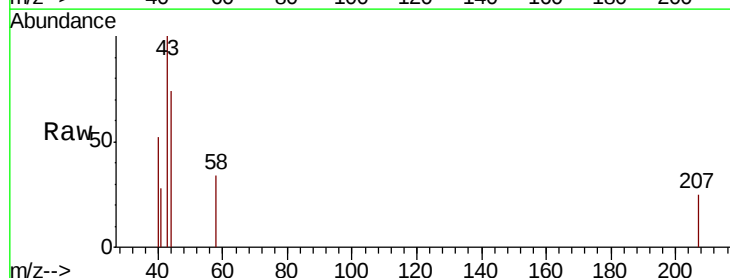
Acq: 6 Aug 2019 10:23

Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 26.5 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

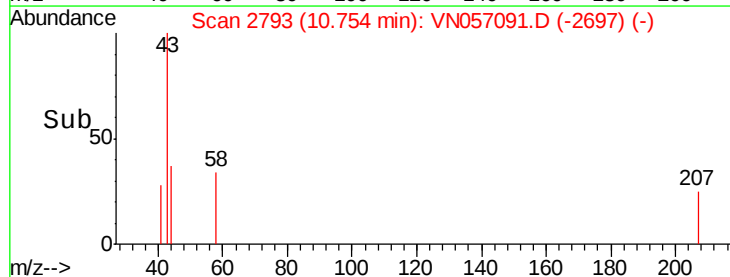
600

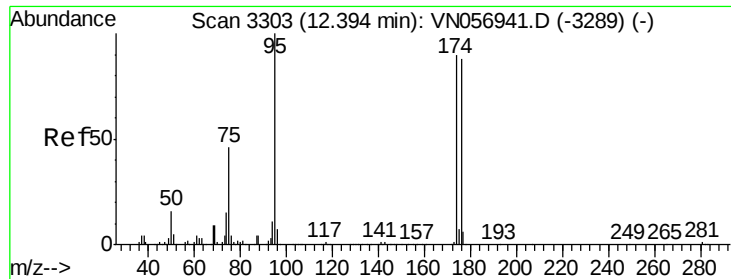
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 42.390 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL01

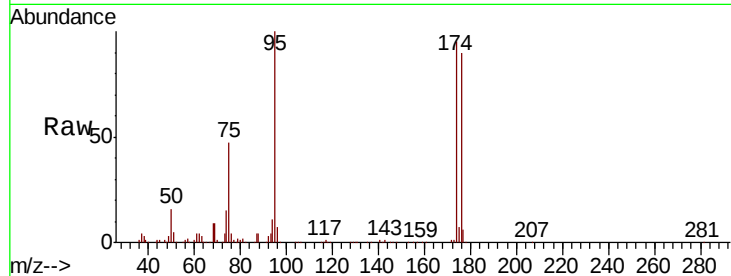
Tgt Ion: 95 Resp: 281028

Ion Ratio Lower Upper

95 100

174 95.9 0.0 182.2

176 92.0 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056941.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056941.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056941.D (-3289) (-)

12.40

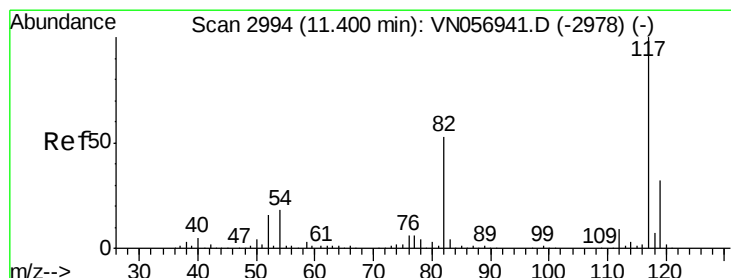
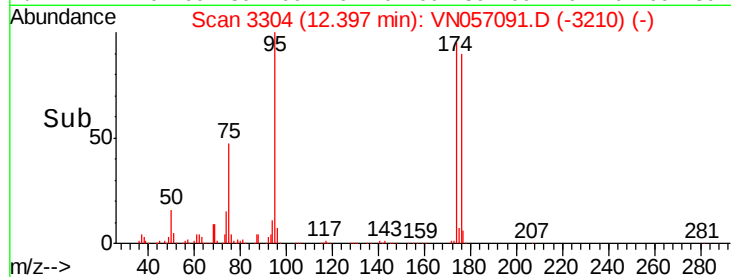
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

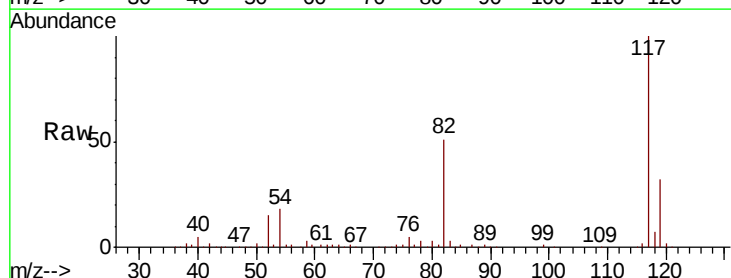
Tgt Ion: 117 Resp: 681550

Ion Ratio Lower Upper

117 100

82 50.9 42.2 63.4

119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056941.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056941.D (-2978) (-)

11.40

500000

400000

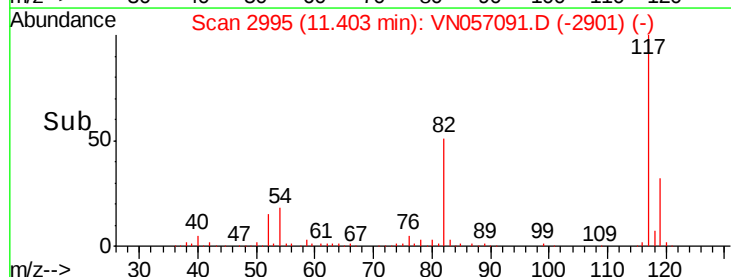
300000

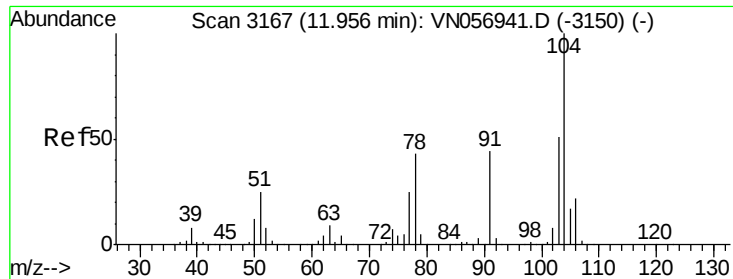
200000

100000

0

Time--> 11.30 11.40 11.50

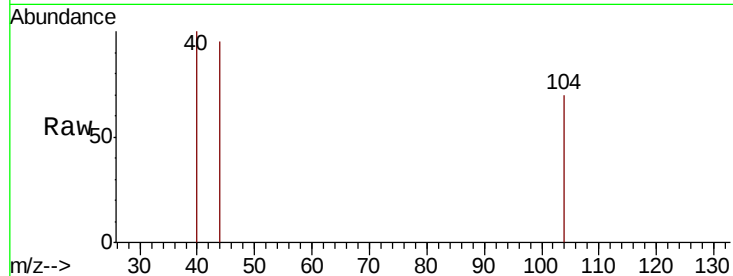




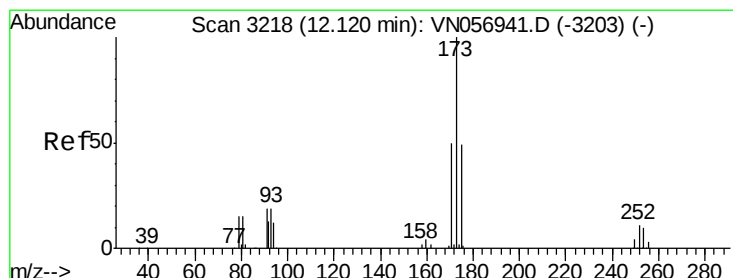
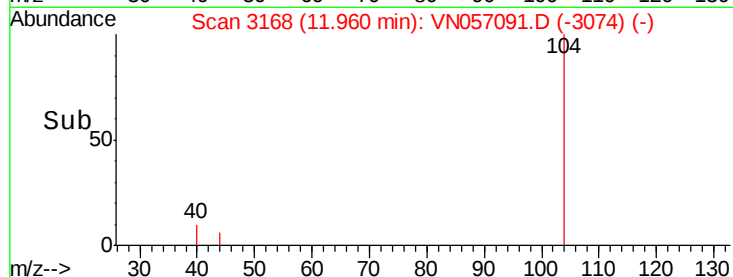
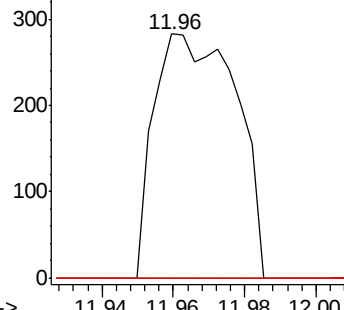
#70
Styrene
Concen: 1.895 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057091.D
Acq: 6 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBL01

Tgt Ion:104 Resp: 451
Ion Ratio Lower Upper
104 100
78 0.0 38.1 57.1#
103 0.0 44.3 66.5#

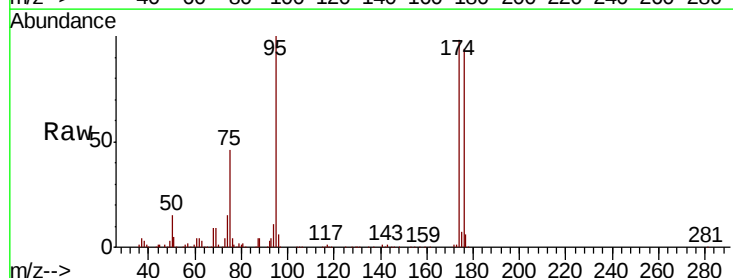


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

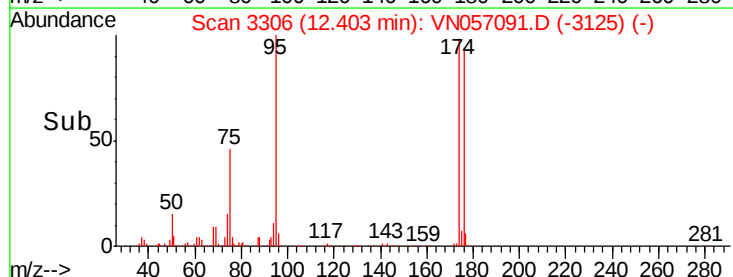
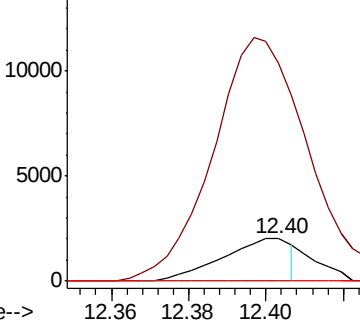


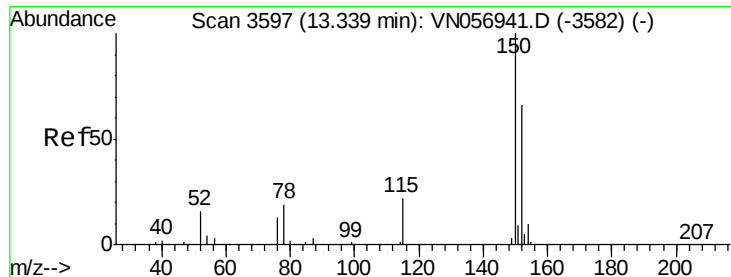
#71
Bromoform
Concen: 0.690 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057091.D
Acq: 6 Aug 2019 10:23

Tgt Ion:173 Resp: 2520
Ion Ratio Lower Upper
173 100
175 619.1 24.1 72.4#
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: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBL01

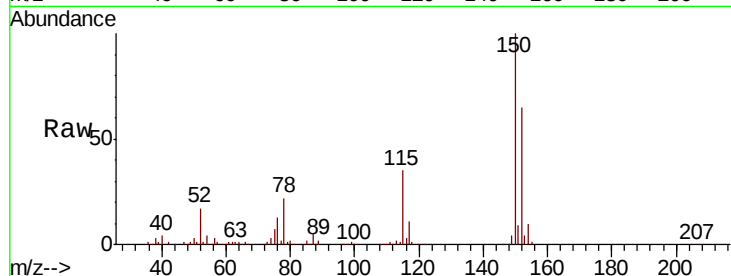
Tgt Ion:152 Resp: 187077

Ion Ratio Lower Upper

152 100

115 54.6 28.2 84.6

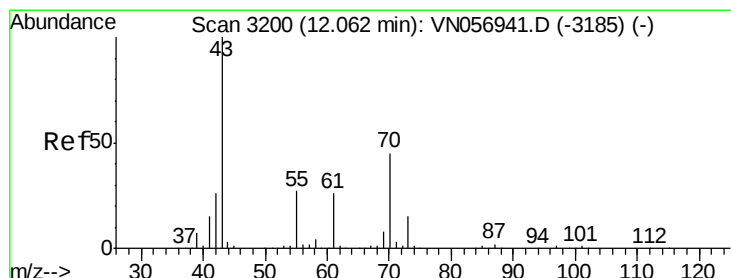
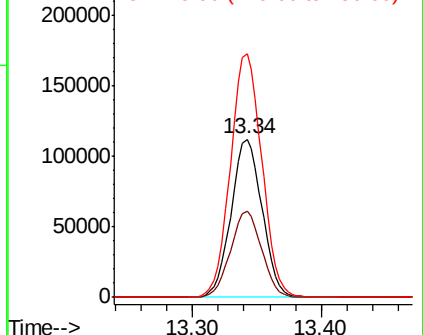
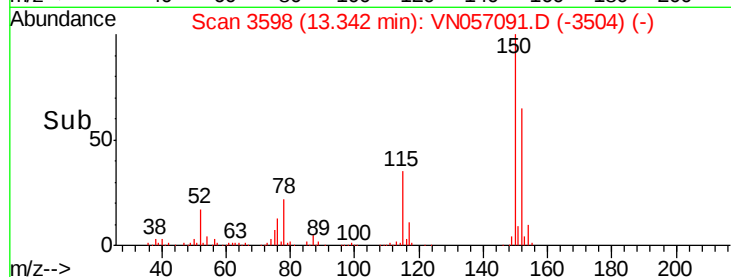
150 155.7 0.0 349.4



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



#74

N-ethyl acetate

Concen: 0.227 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Tgt Ion: 43 Resp: 1064

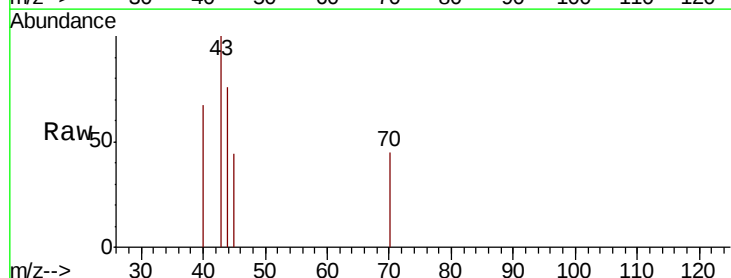
Ion Ratio Lower Upper

43 100

70 12.6 36.5 54.7#

55 6.3 21.4 32.0#

61 0.0 20.5 30.7#

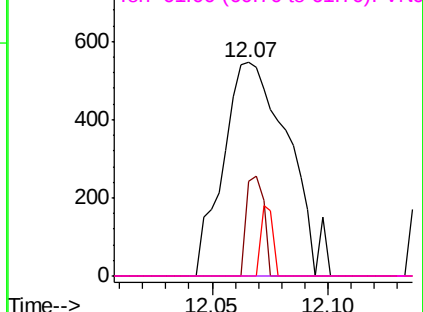
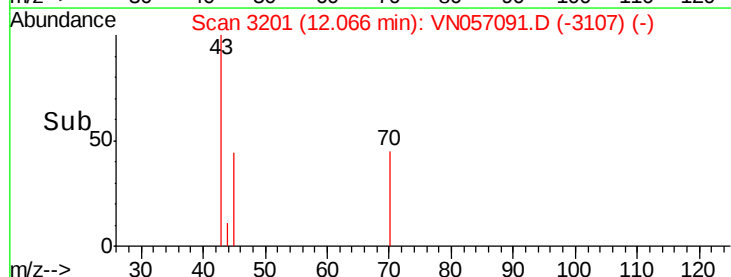


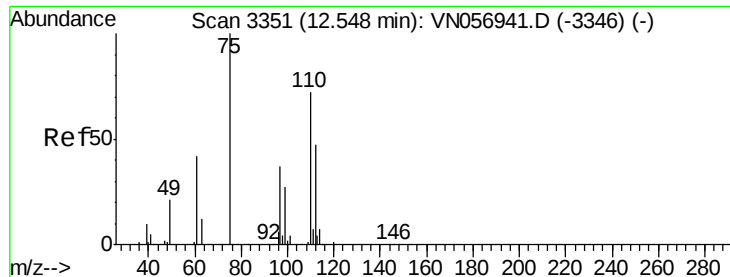
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.492 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

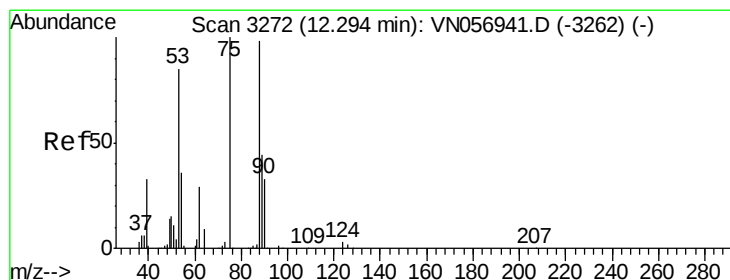
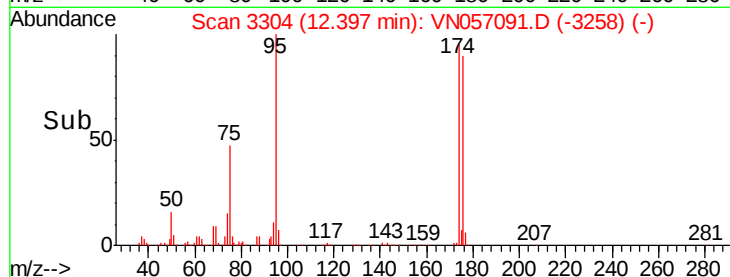
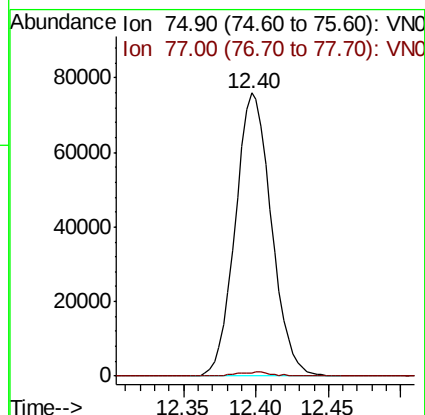
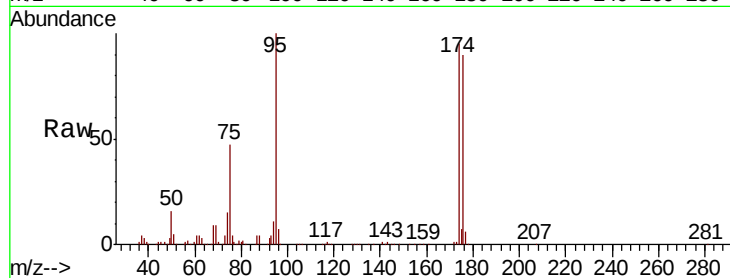
VN0806WBL01

Tgt Ion: 75 Resp: 131042

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.821 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

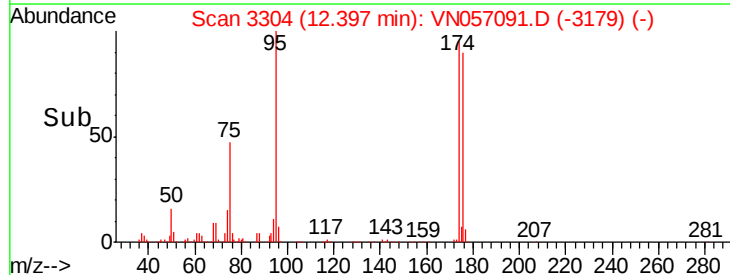
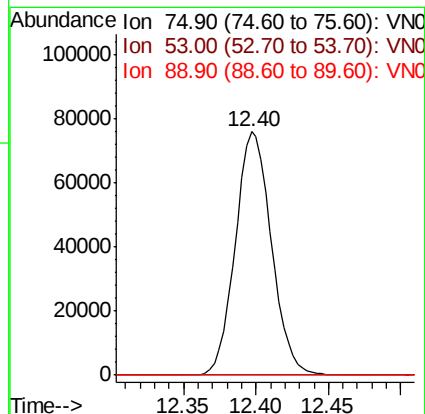
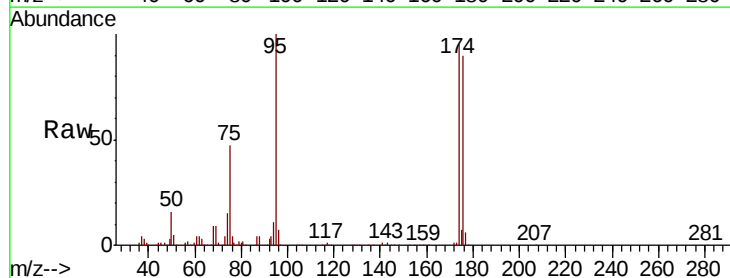
Tgt Ion: 75 Resp: 131042

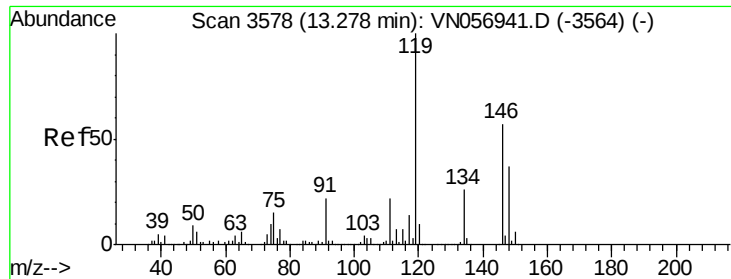
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

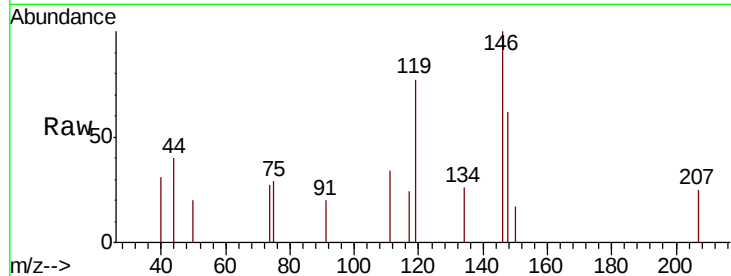




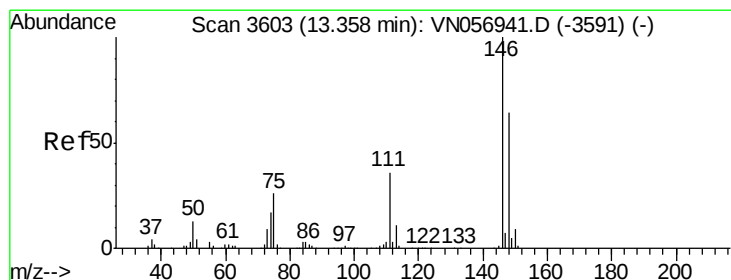
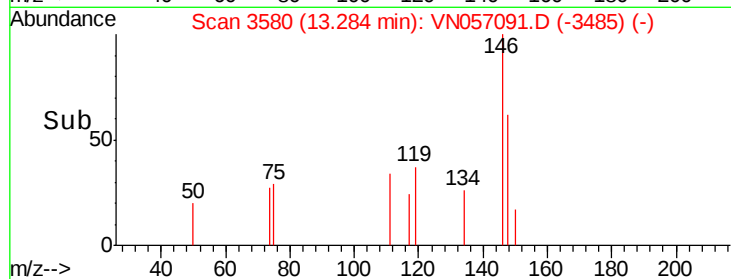
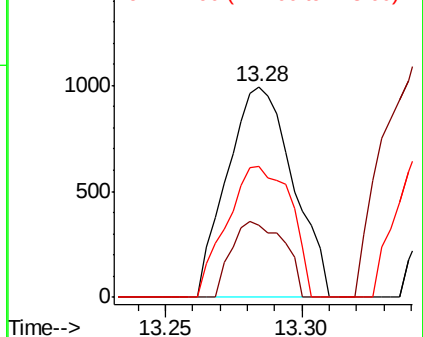
#87
 1,3-Dichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.01 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBL01

Tgt Ion:146 Resp: 1659
 Ion Ratio Lower Upper
 146 100
 111 29.0 18.6 55.8
 148 60.4 32.2 96.6

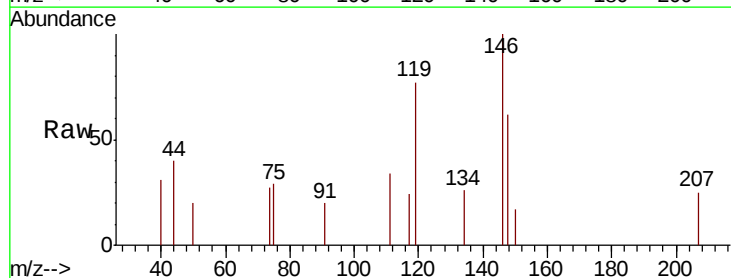


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

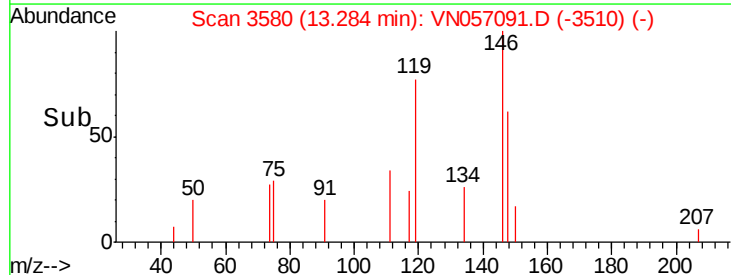
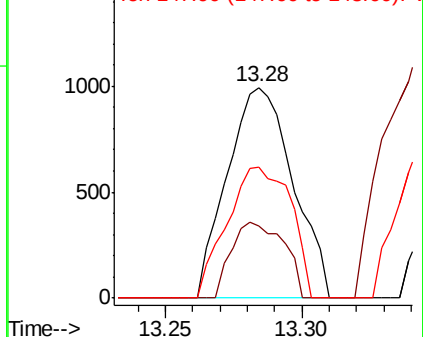


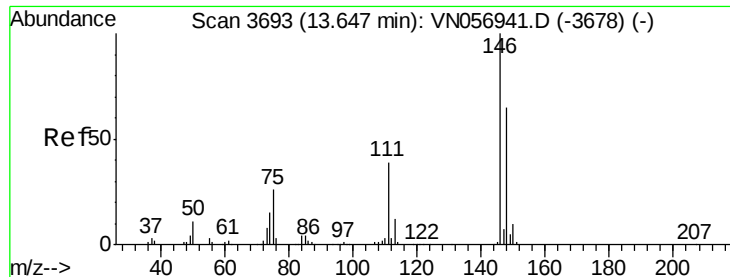
#88
 1,4-Dichlorobenzene
 Concen: 0.268 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.07 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Tgt Ion:146 Resp: 1659
 Ion Ratio Lower Upper
 146 100
 111 29.0 18.4 55.2
 148 60.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

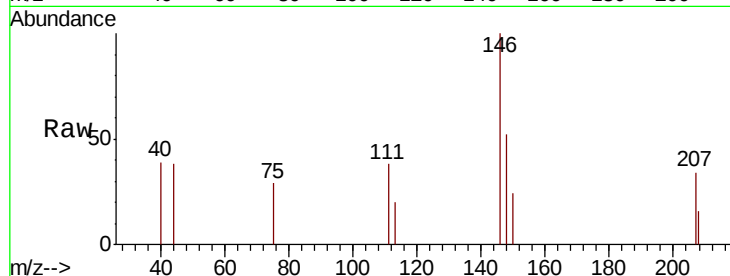




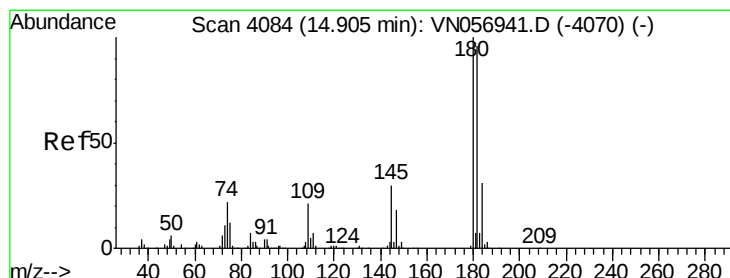
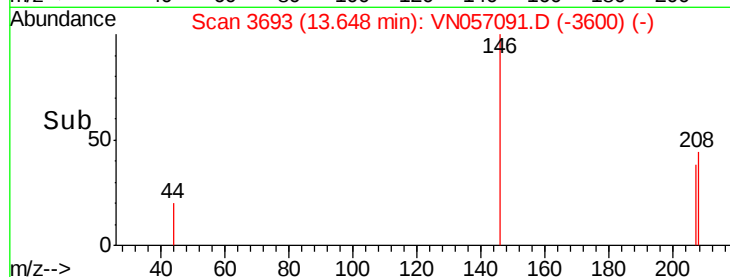
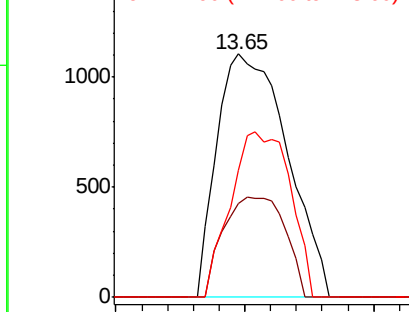
#91
 1,2-Dichlorobenzene
 Concen: 0.332 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL01

Tgt Ion:146 Resp: 2098
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.4 58.4
 148 57.8 32.2 96.6

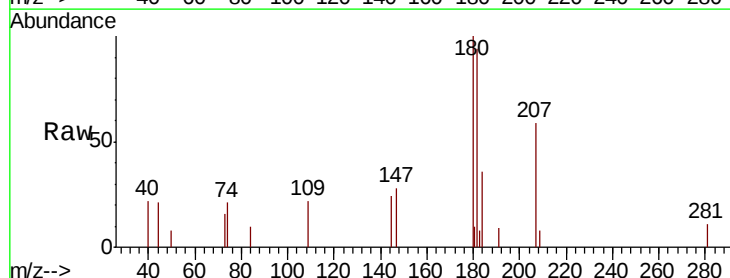


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

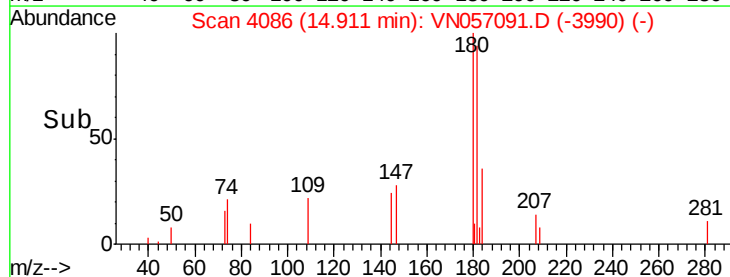
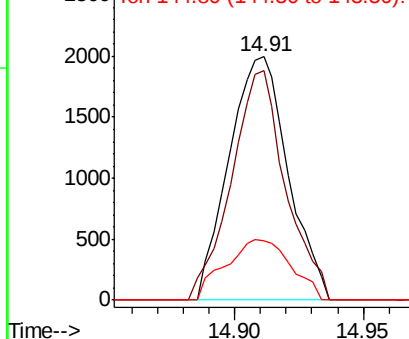


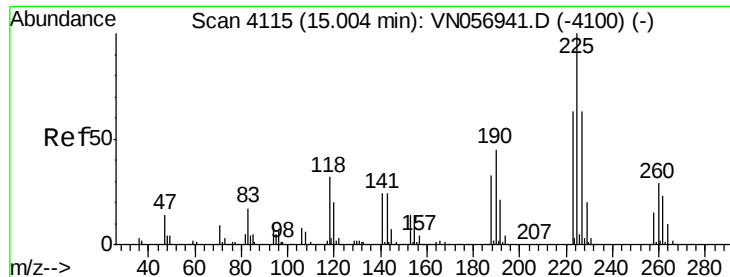
#93
 1,2,4-Trichlorobenzene
 Concen: 3.636 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Tgt Ion:180 Resp: 3186
 Ion Ratio Lower Upper
 180 100
 182 86.6 47.6 142.8
 145 27.6 14.2 42.8



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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.01 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampled :

VN0806WBL01

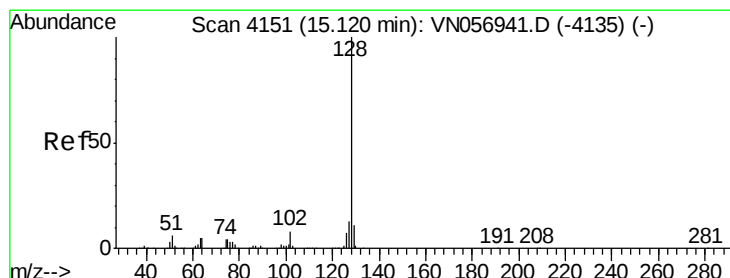
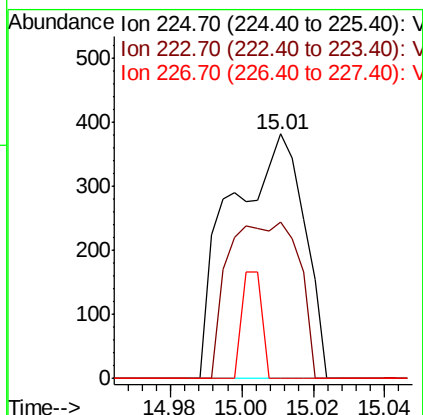
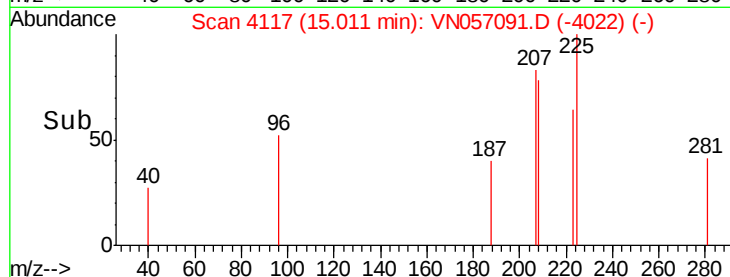
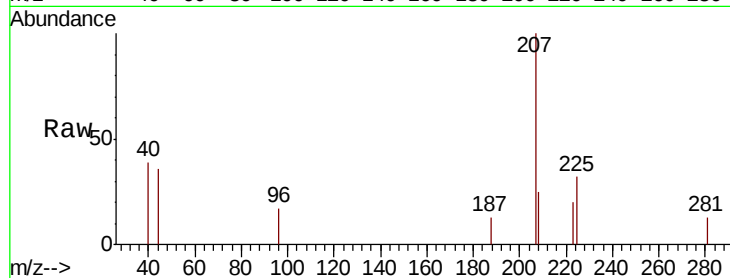
Tgt Ion: 225 Resp: 540

Ion Ratio Lower Upper

225 100

223 61.5 30.8 92.4

227 11.9 31.1 93.5#



#95

Naphthalene

Concen: 4.285 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.01 min

Lab File: VN057091.D

Acq: 6 Aug 2019 10:23

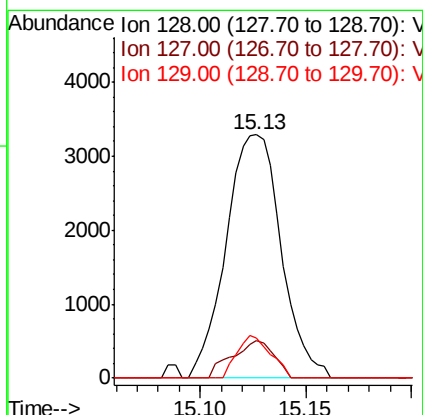
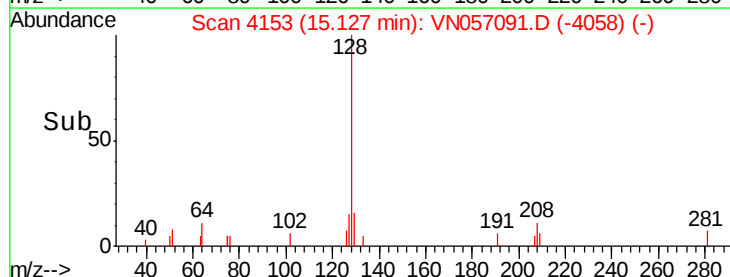
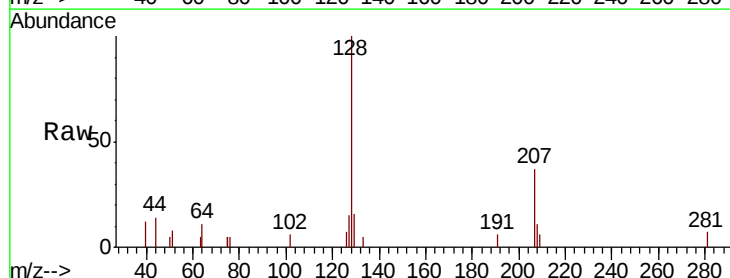
Tgt Ion: 128 Resp: 5969

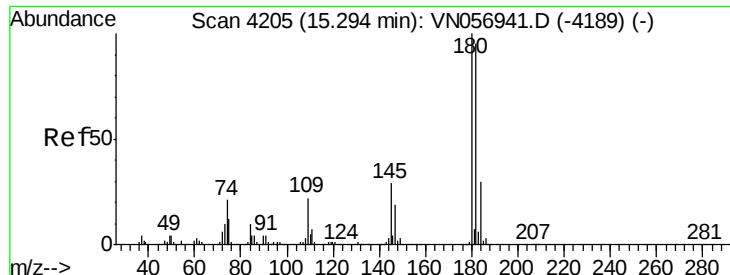
Ion Ratio Lower Upper

128 100

127 11.7 10.0 15.0

129 10.6 8.7 13.1

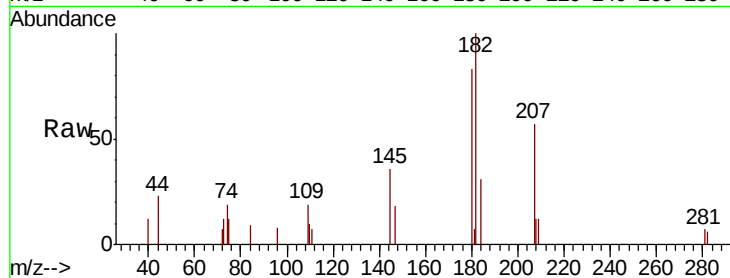




#96
 1,2,3-Trichlorobenzene
 Concen: 3.256 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057091.D
 Acq: 6 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.2	48.0	144.2
145	32.0	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

