

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055431.D
 Acq On : 7 May 2019 12:33
 Operator : JC/SP
 Sample : VN0507WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBL01

Quant Time: May 08 05:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

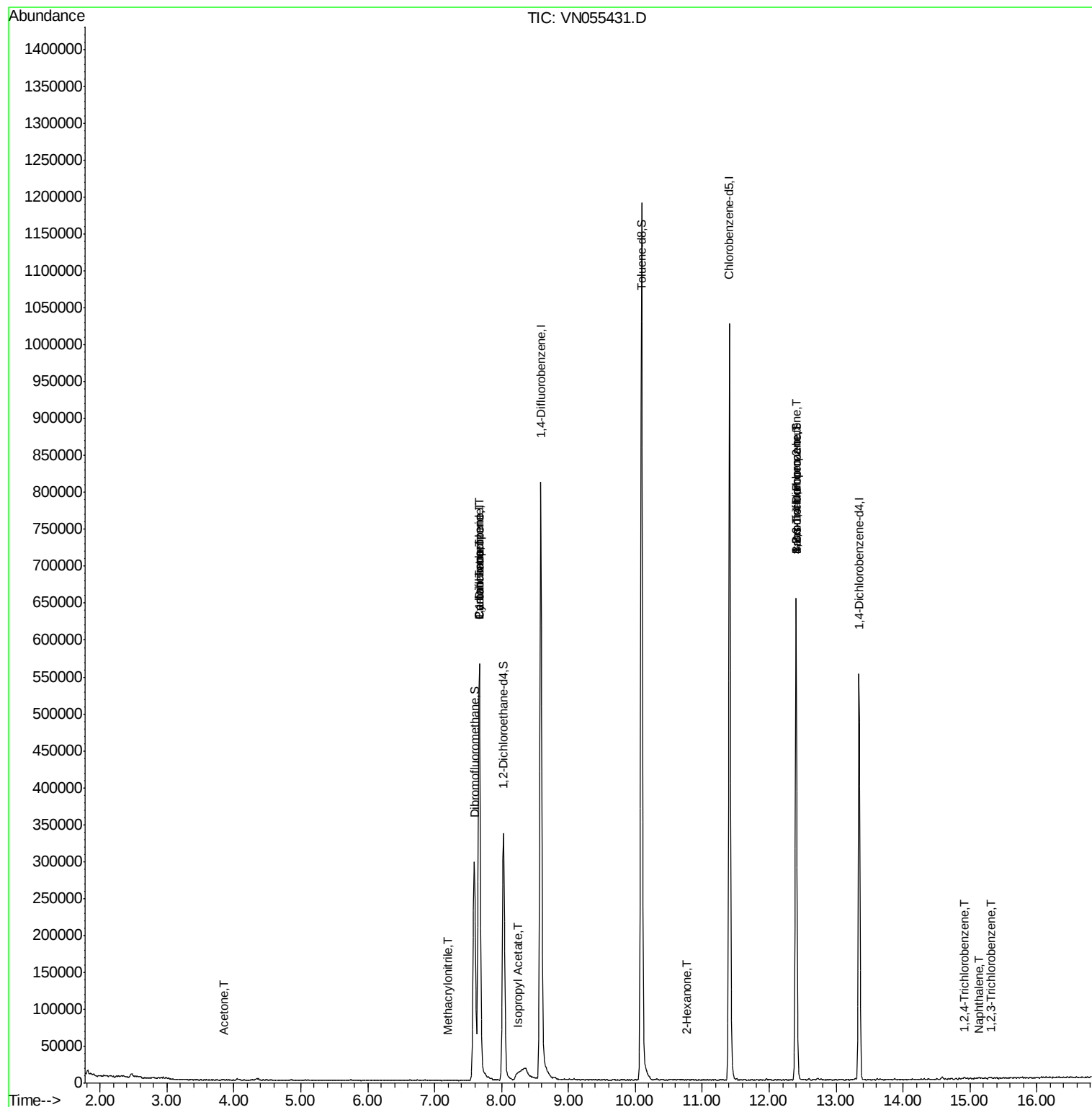
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	471550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	732216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	294699	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
35) Dibromofluoromethane	7.59	113	232415	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
50) Toluene-d8	10.09	98	852231	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	234888	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.84	43	599	0.312	ug/l #	16
31) Cyclohexane	7.67	56	10618	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	36197	5.161	ug/l #	51
38) Carbon Tetrachloride	7.67	117	45027	6.655	ug/l #	16
41) Methacrylonitrile	7.20	41	225	0.816	ug/l #	37
43) Isopropyl Acetate	8.23	43	7337	0.849	ug/l #	56
59) 2-Hexanone	10.76	43	942	0.310	ug/l #	38
71) Bromoform	12.40	173	1963	0.799	ug/l #	1
73) Isopropylbenzene	12.25	105	721	Below Cal	#	66
75) 1,1,2,2-Tetrachloroethane	12.41	83	64	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	119235	43.362	ug/l #	100
77) Bromobenzene	12.53	156	201	Below Cal		62
79) 2-Chlorotoluene	12.67	91	645	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	119235	153.920	ug/l #	7
83) tert-Butylbenzene	12.99	119	586	Below Cal	#	85
93) 1,2,4-Trichlorobenzene	14.91	180	719	3.660	ug/l #	78
94) Hexachlorobutadiene	15.01	225	94	Below Cal	#	42
95) Naphthalene	15.14	128	1310	3.628	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.32	180	695	2.961	ug/l #	67

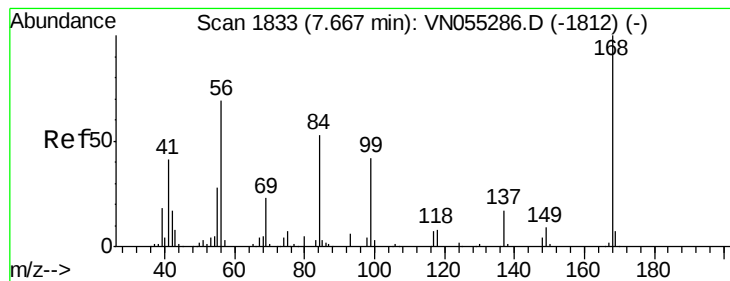
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 05:47:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 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: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

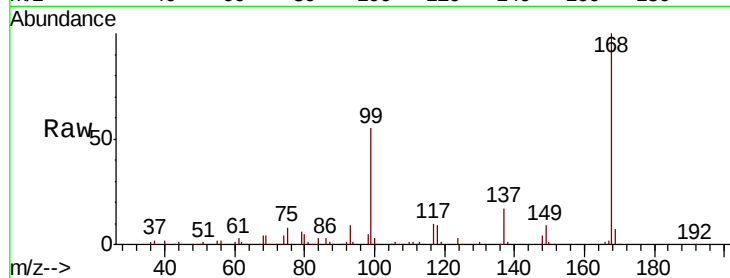
VN0507WBL01

Tot Ion:168 Resp: 471550

Ion Ratio Lower Upper

168 100

99 55.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055431.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055431.D (-1740) (-)

7.67

200000

150000

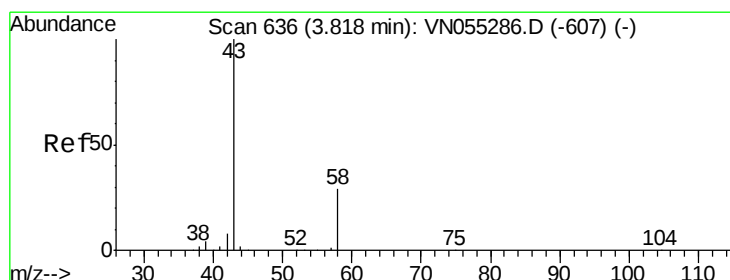
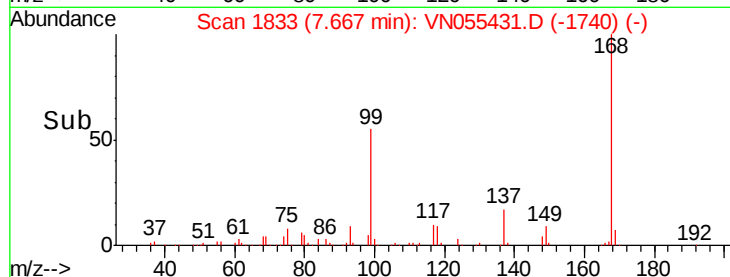
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 0.312 ug/l

RT: 3.84 min Scan# 643

Delta R.T. 0.02 min

Lab File: VN055431.D

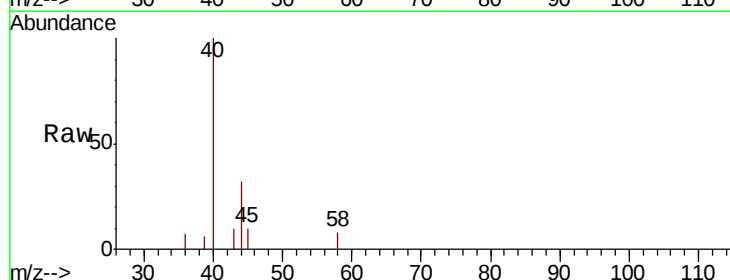
Acq: 7 May 2019 12:33

Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

43 100

58 74.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055431.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055431.D (-543) (-)

3.84

300

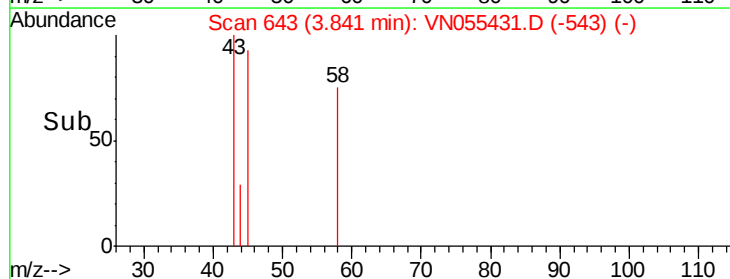
200

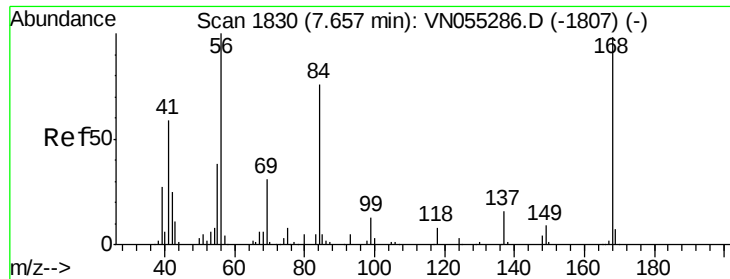
100

0

3.80 3.85

Time-->

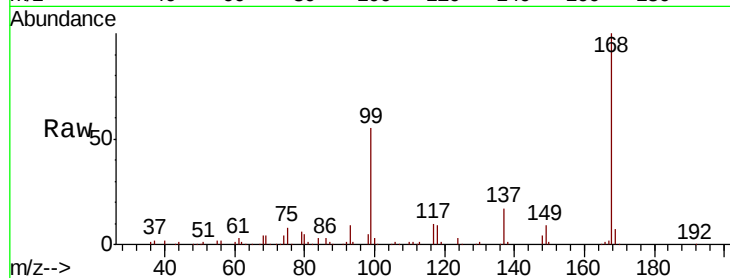




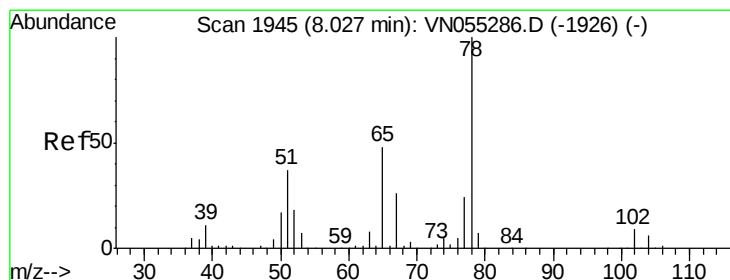
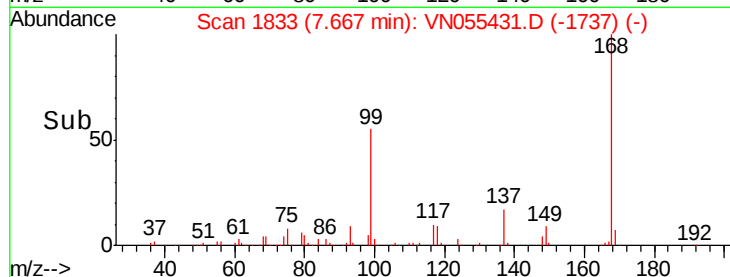
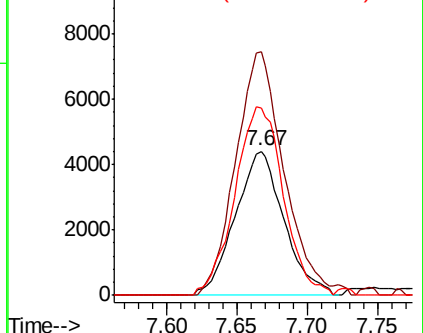
#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Tot Ion: 56 Resp: 10618
Ion Ratio Lower Upper
56 100
69 168.8 25.2 37.8#
84 129.7 61.1 91.7#

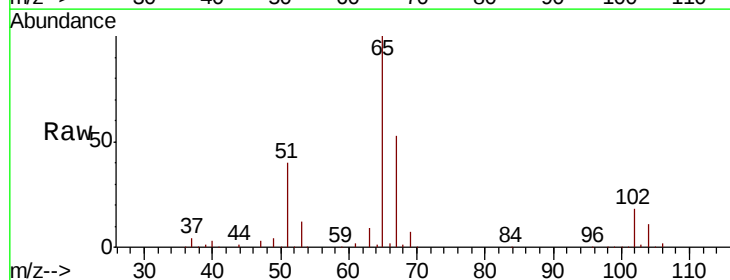


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

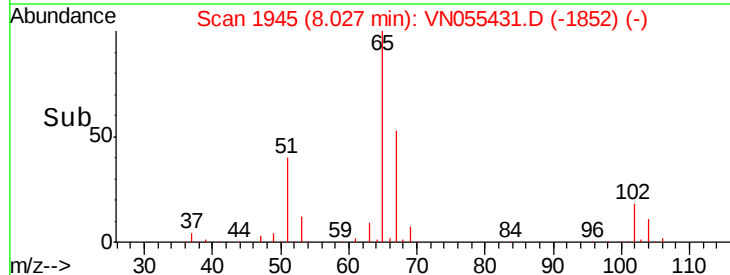
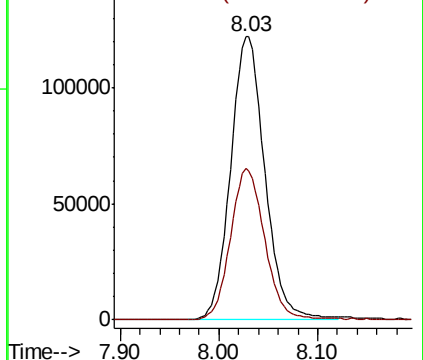


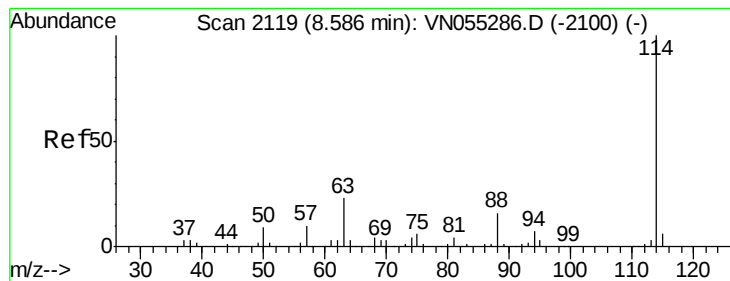
#33
1,2-Dichloroethane-d4
Concen: 47.771 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

Tgt Ion: 65 Resp: 294699
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8



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: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBL01

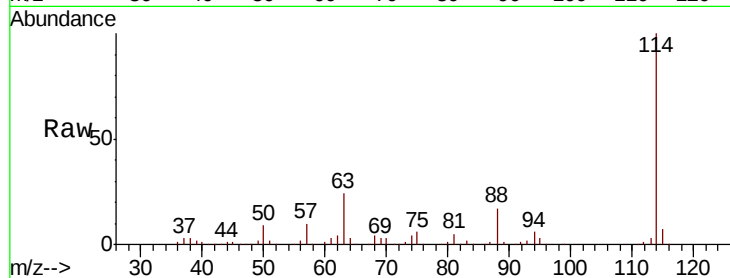
Tot Ion:114 Resp: 732216

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

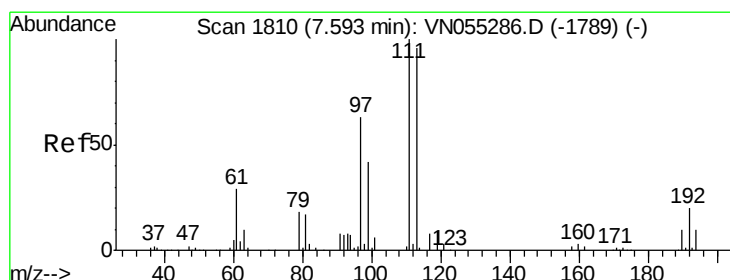
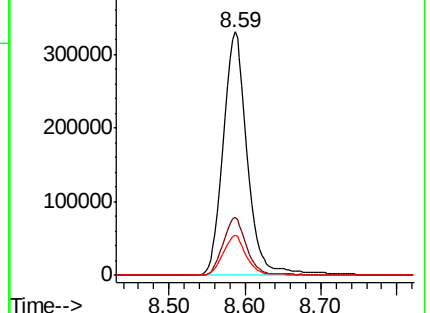
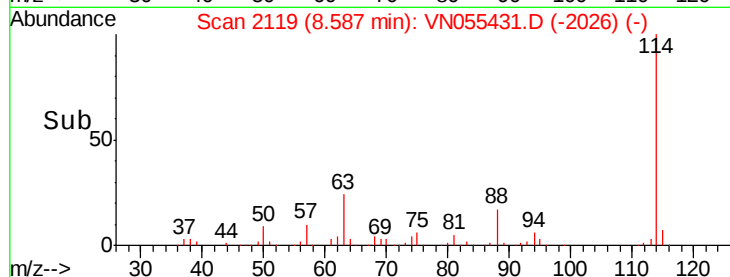
88 16.5 0.0 31.6



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: 48.359 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

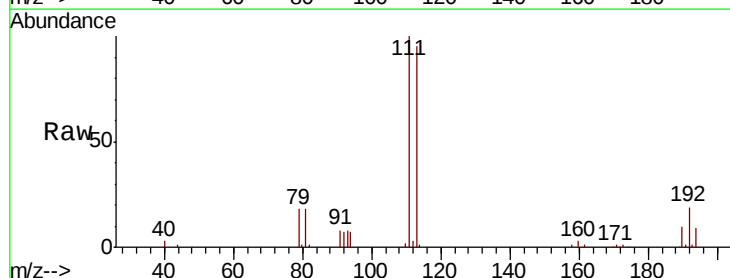
Tgt Ion:113 Resp: 232415

Ion Ratio Lower Upper

113 100

111 103.7 82.3 123.5

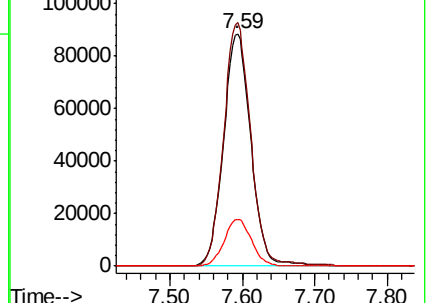
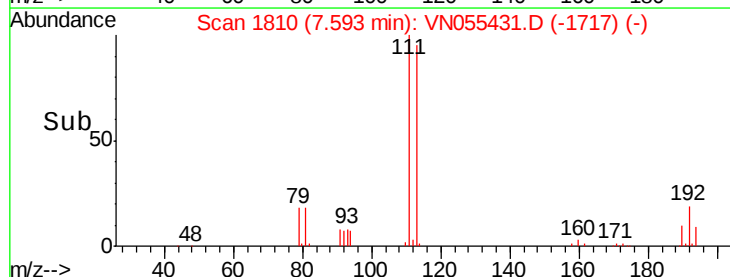
192 20.1 17.0 25.6

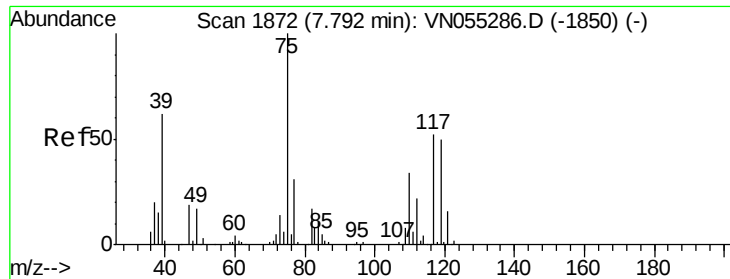


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

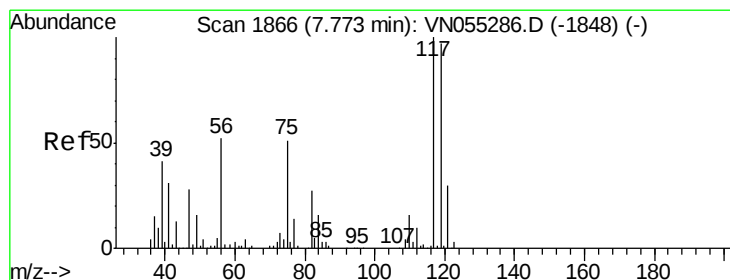
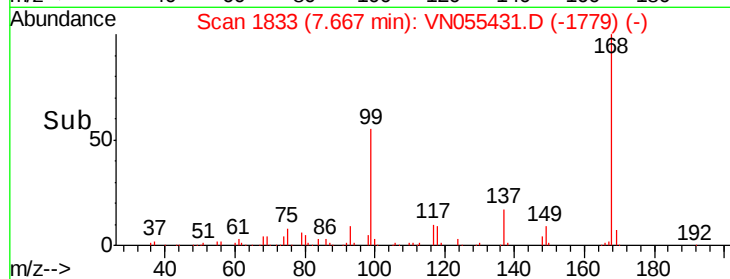
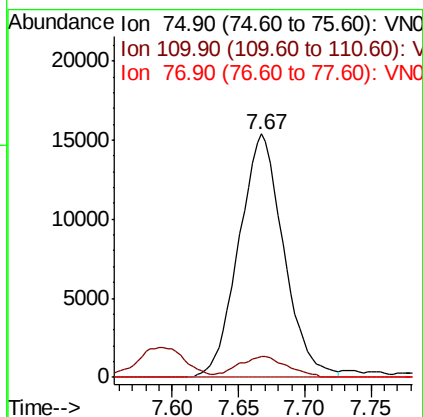
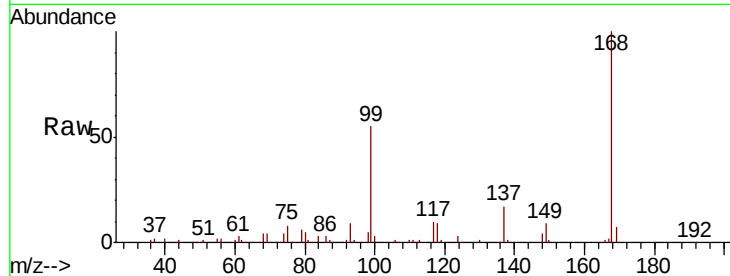




#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055431.D
 Acq: 7 May 2019 12:33

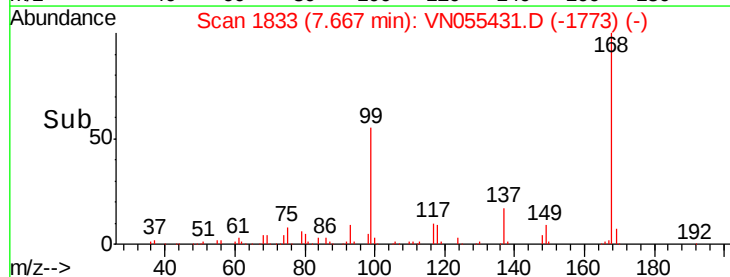
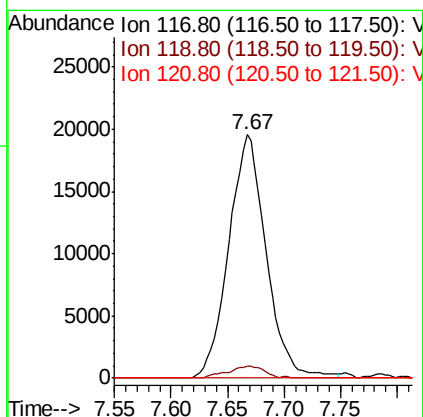
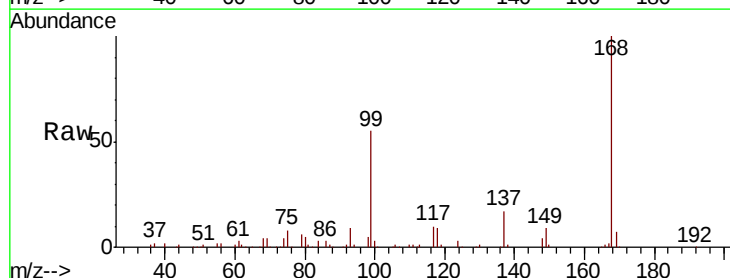
Instrument :
 MSVOA_N
 ClientSampleId :
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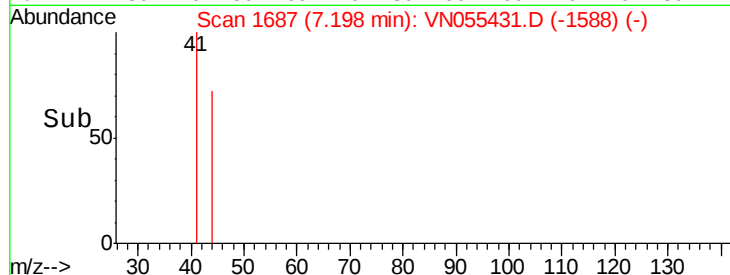
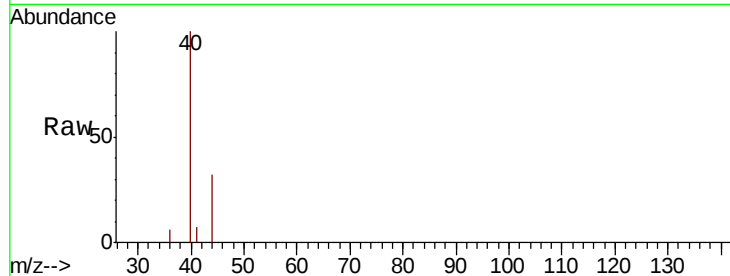
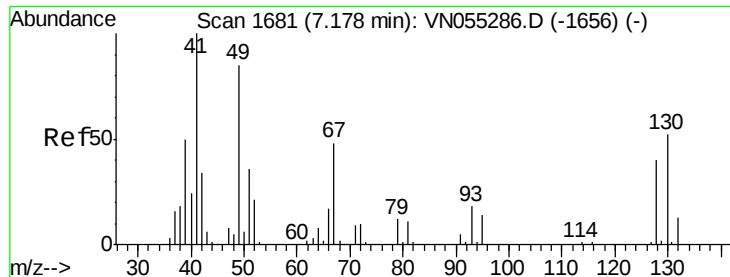
Tot Ion: 75 Resp: 36197
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.655 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055431.D
 Acq: 7 May 2019 12:33

Tgt Ion: 117 Resp: 45027
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.0 115.6#
 121 0.0 23.8 35.8#

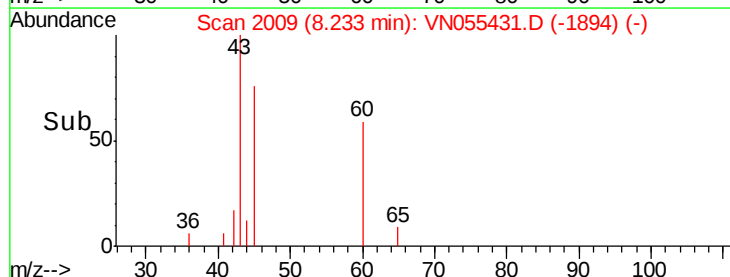
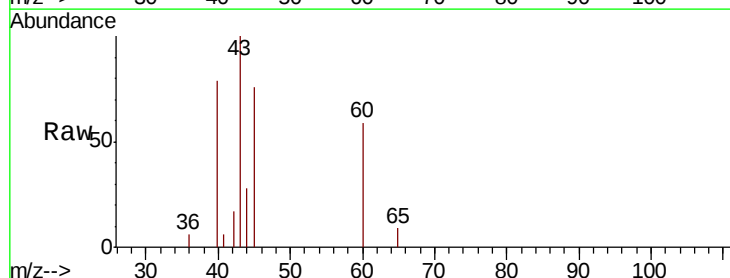
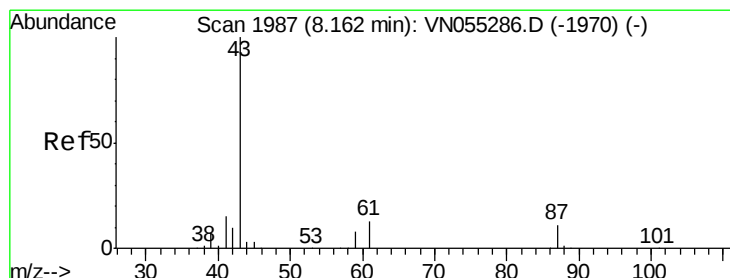
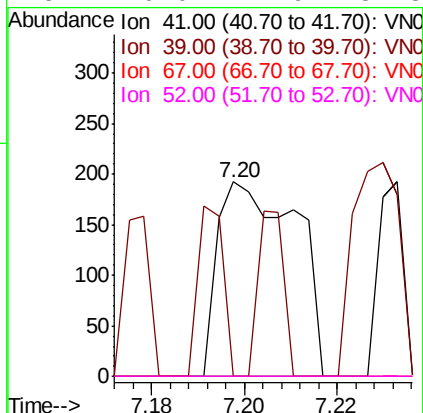




#41
Methacrylonitrile
Concen: 0.816 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

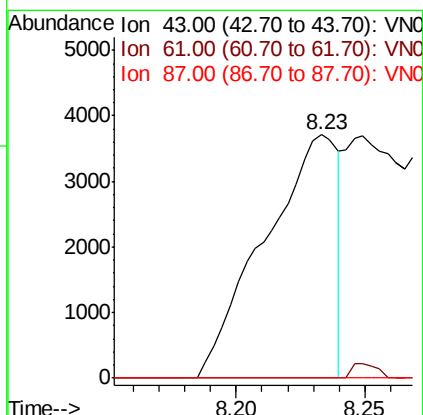
Instrument :
MSVOA_N
ClientSampleId :
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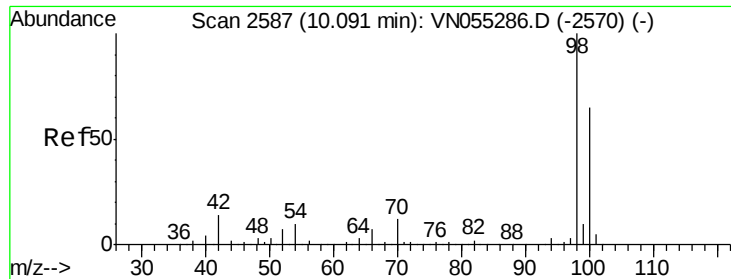
Tot Ion: 41 Resp: 225
Ion Ratio Lower Upper
41 100
39 28.0 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 0.849 ug/l
RT: 8.23 min Scan# 2009
Delta R.T. 0.07 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

Tgt Ion: 43 Resp: 7337
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 8.5 12.7#

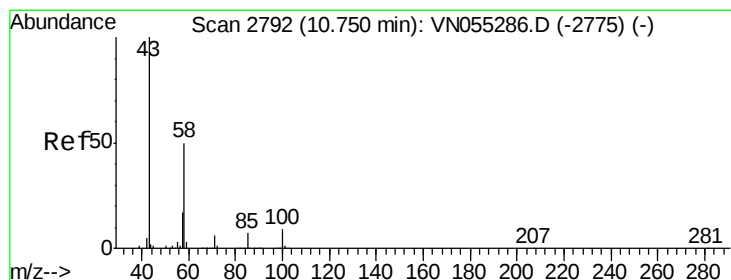
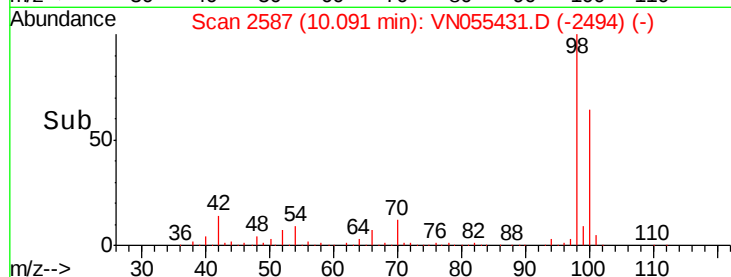
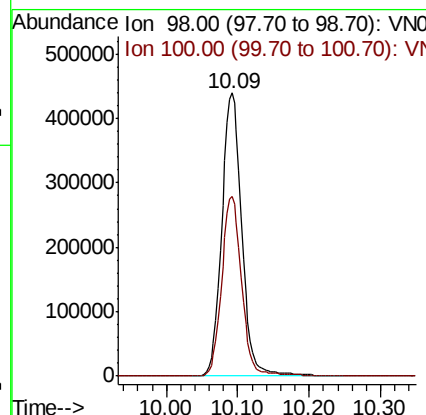
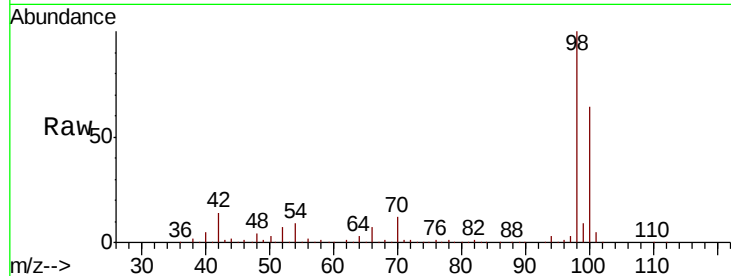




#50
Toluene-d8
Concen: 49.109 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

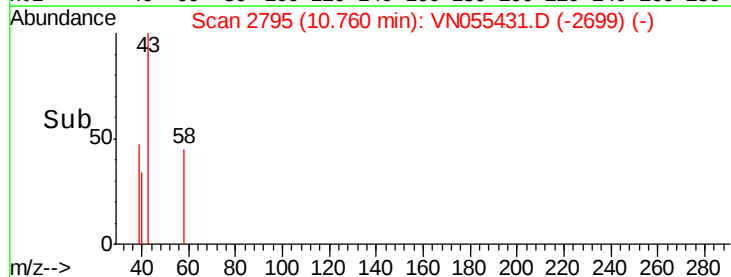
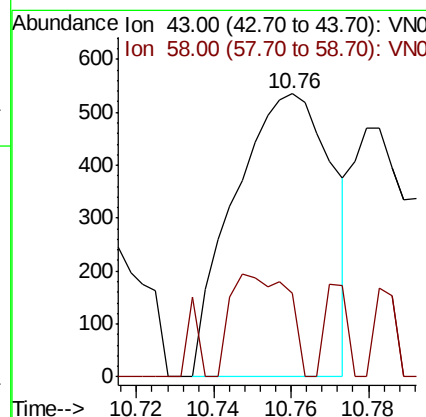
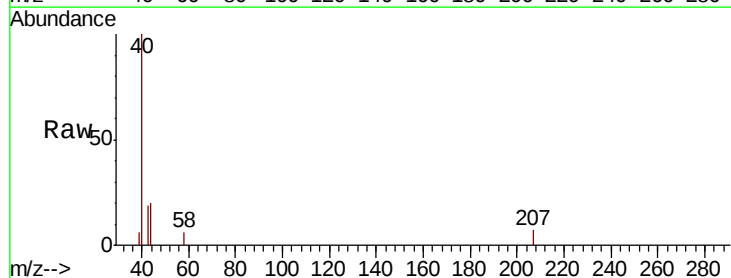
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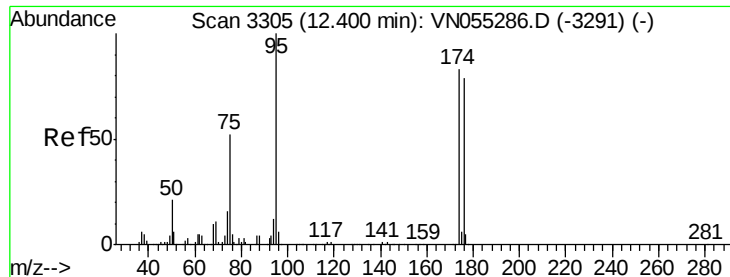
Tot Ion: 98 Resp: 852231
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#59
2-Hexanone
Concen: 0.310 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
58 7.1 24.9 74.6#

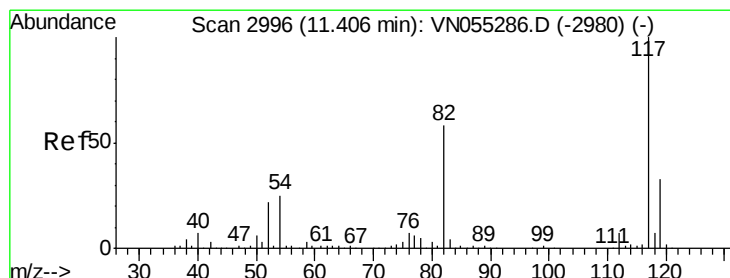
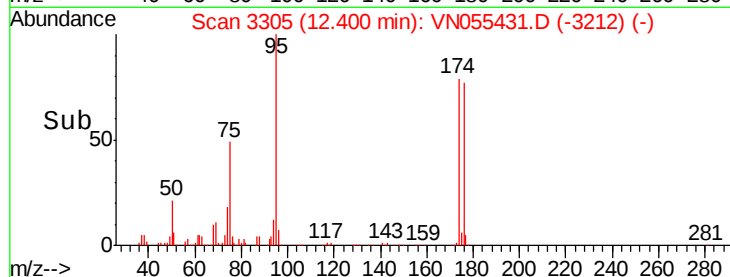
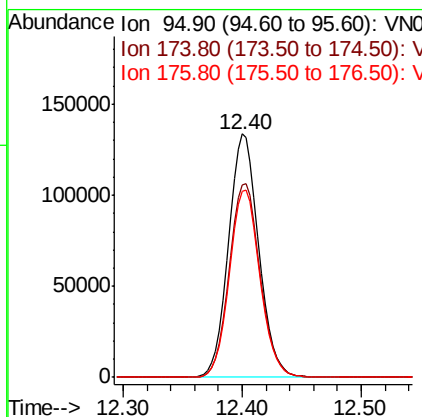
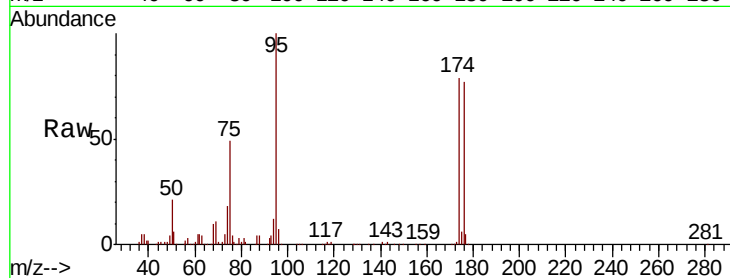




#62
4-Bromofluorobenzene
Concen: 43.307 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

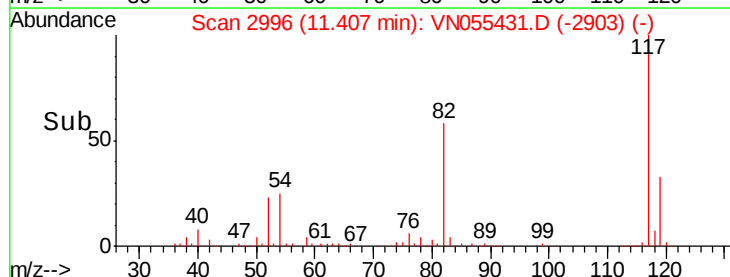
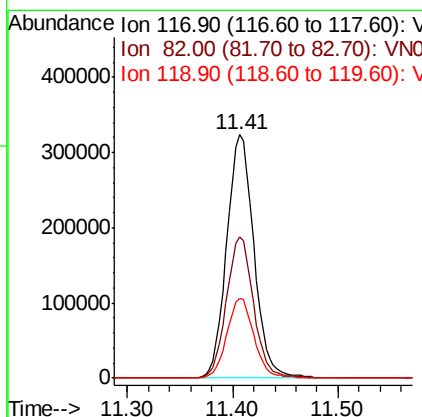
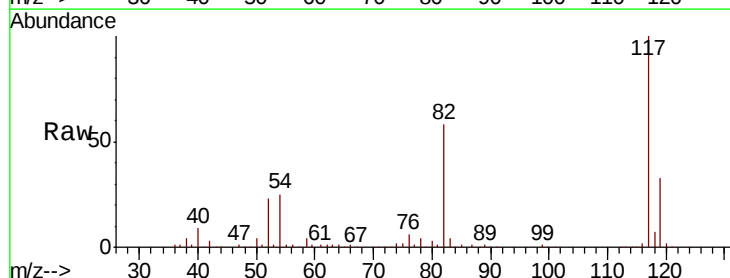
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

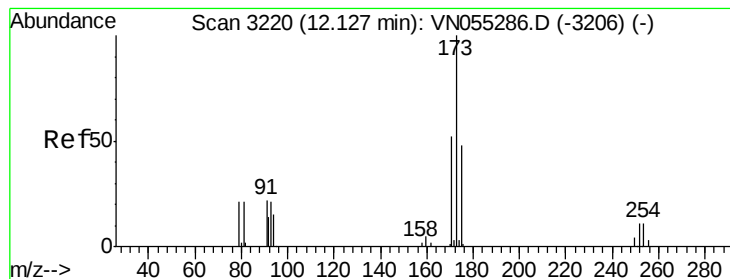
Tot Ion: 95 Resp: 234888
Ion Ratio Lower Upper
95 100
174 81.5 0.0 166.6
176 78.0 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055431.D
Acq: 7 May 2019 12:33

Tgt Ion: 117 Resp: 578131
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 33.0 26.6 40.0





#71

Bromoform

Concen: 0.799 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBL01

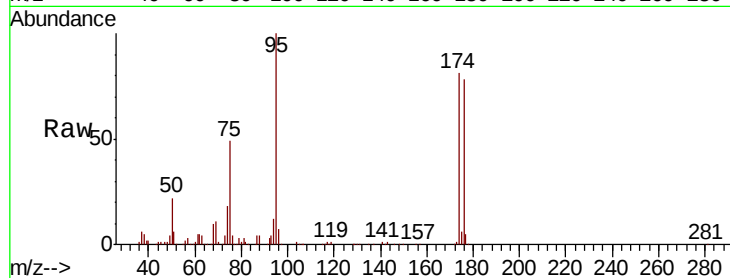
Tot Ion:173 Resp: 1963

Ion Ratio Lower Upper

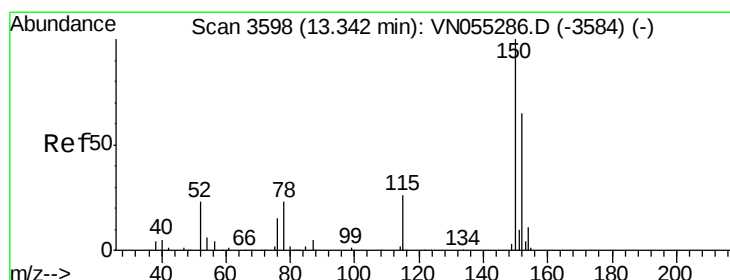
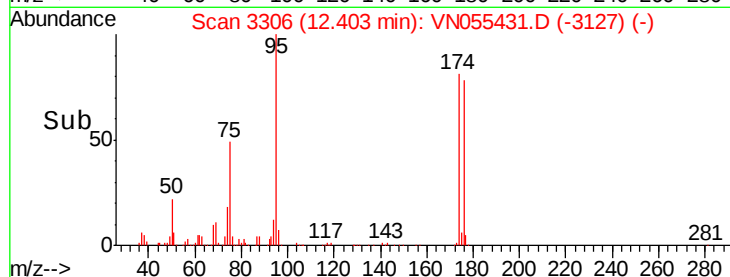
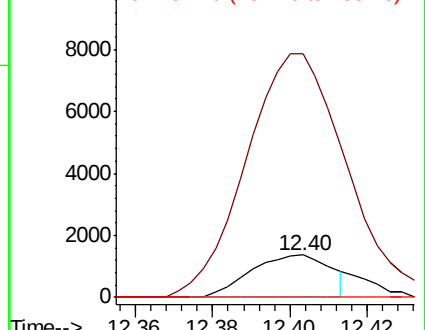
173 100

175 613.5 23.6 71.0#

254 0.0 0.0 0.0



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: VN055431.D

Acq: 7 May 2019 12:33

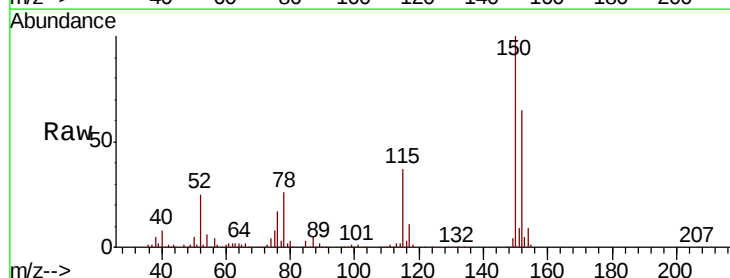
Tgt Ion:152 Resp: 146803

Ion Ratio Lower Upper

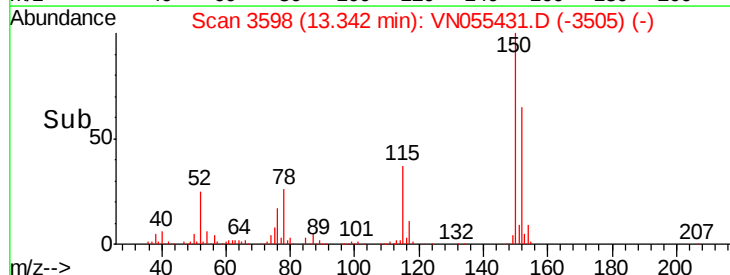
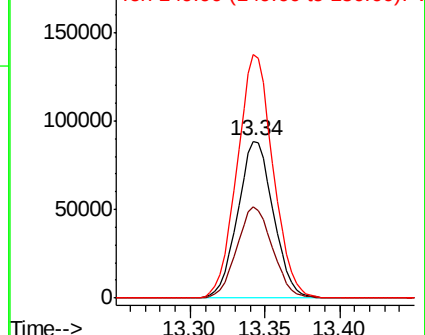
152 100

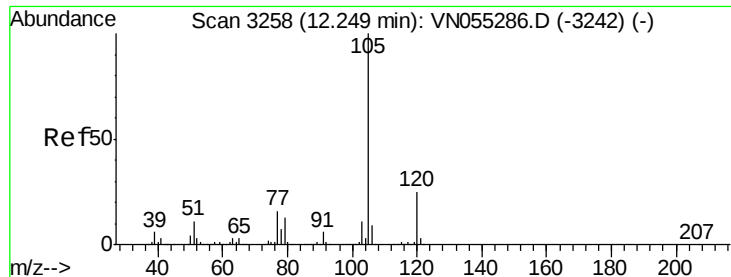
115 58.3 29.0 87.0

150 156.5 0.0 345.6



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

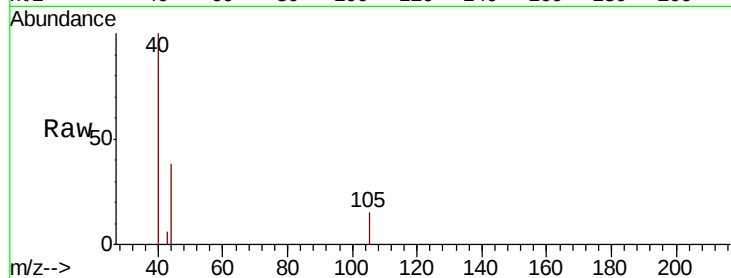
VN0507WBL01

Tot Ion:105 Resp: 721

Ion Ratio Lower Upper

105 100

120 8.7 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500

400

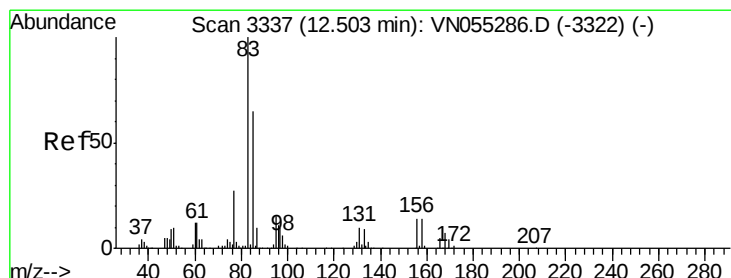
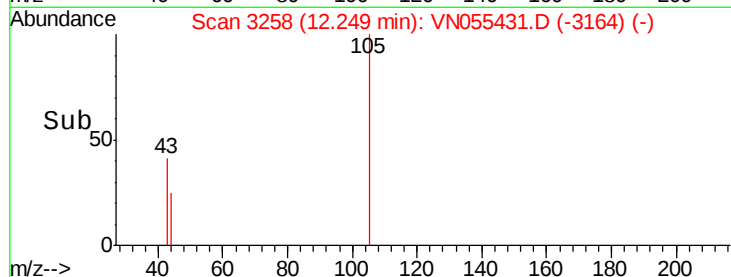
300

200

100

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

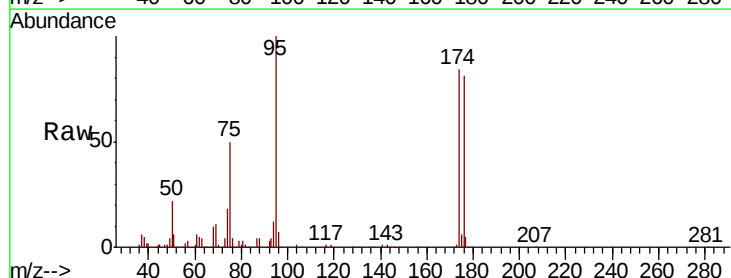
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

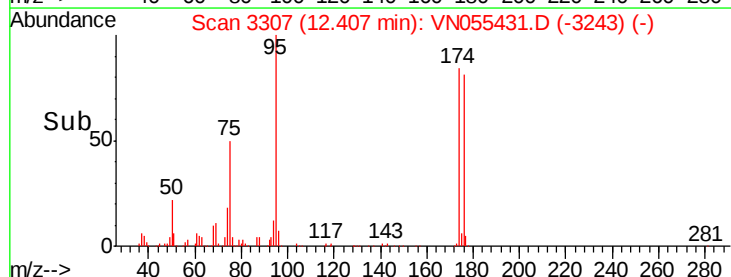
300

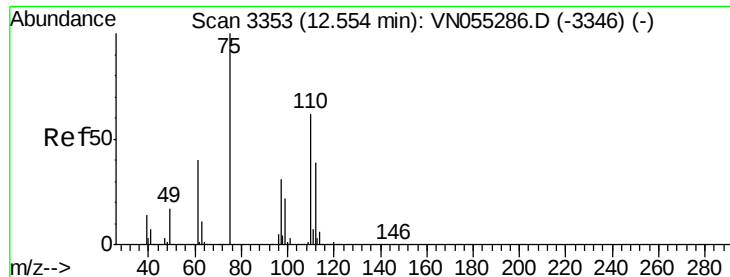
200

100

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 43.362 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

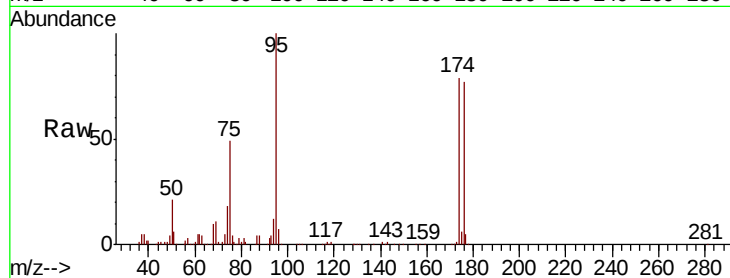
VN0507WBL01

Tot Ion: 75 Resp: 119235

Ion Ratio Lower Upper

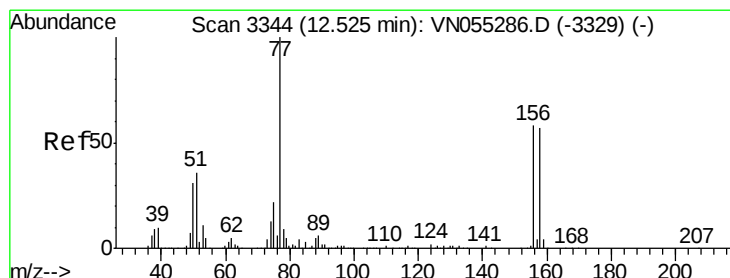
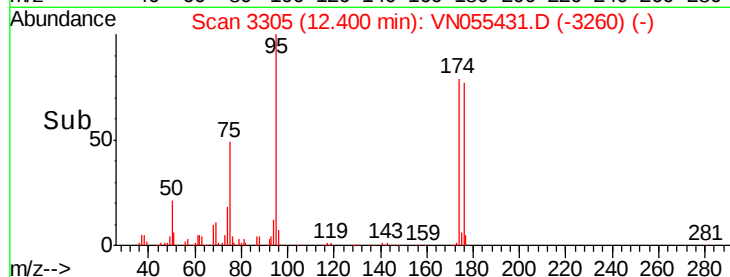
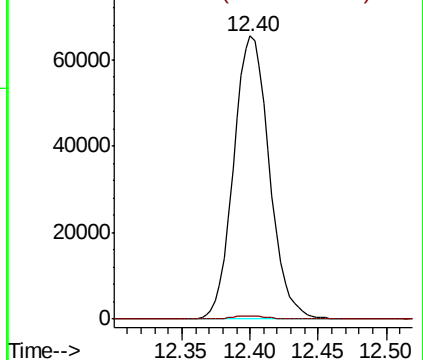
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

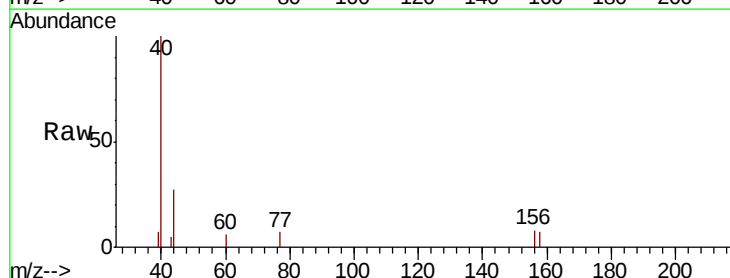
Tgt Ion: 156 Resp: 201

Ion Ratio Lower Upper

156 100

77 144.3 99.6 298.8

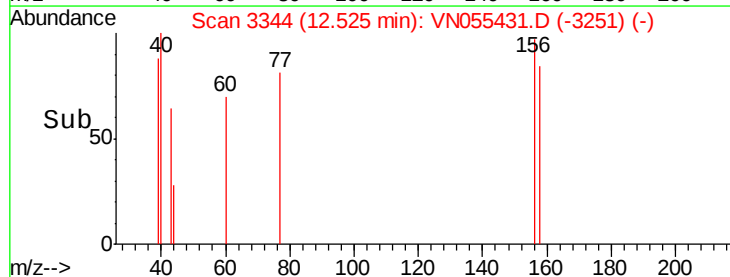
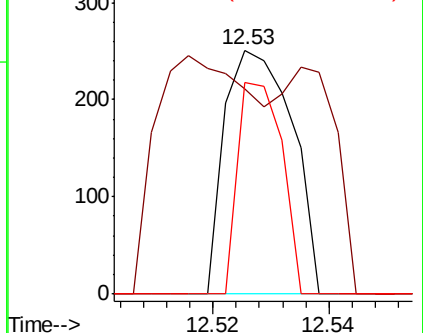
158 56.7 49.3 147.8

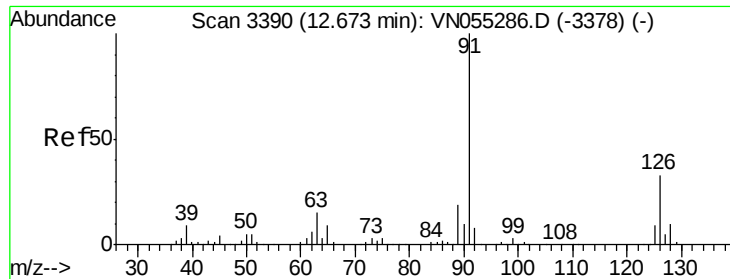


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

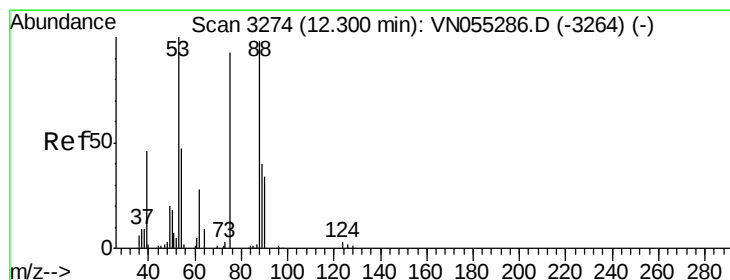
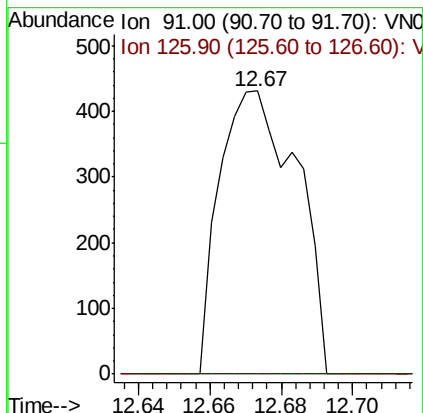
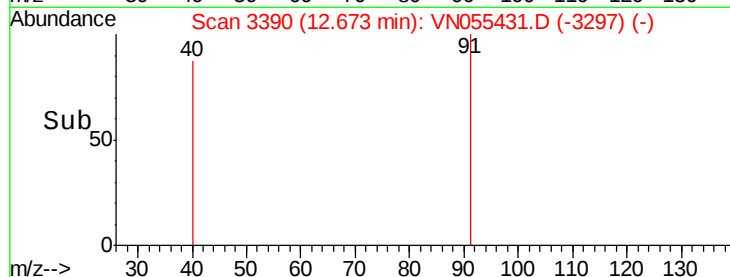
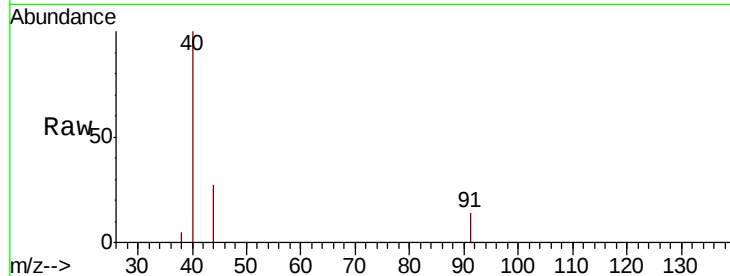
VN0507WBL01

Tot Ion: 91 Resp: 645

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.920 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055431.D

Acq: 7 May 2019 12:33

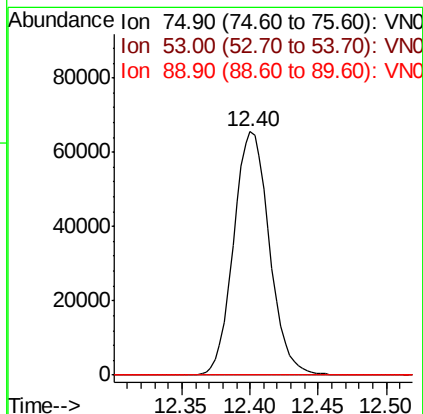
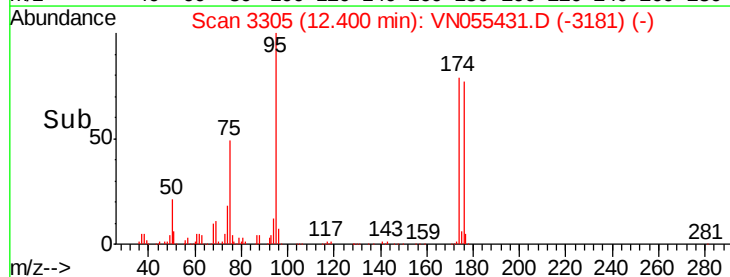
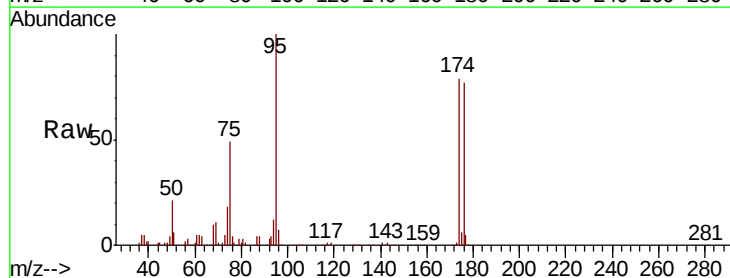
Tgt Ion: 75 Resp: 119235

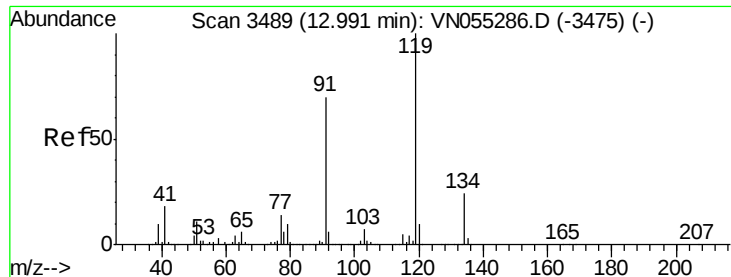
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

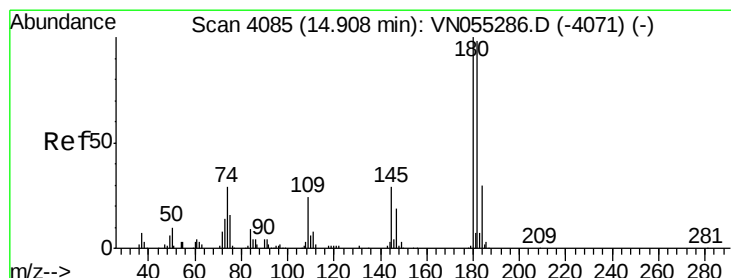
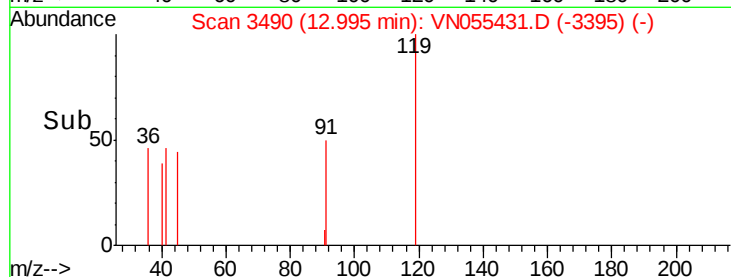
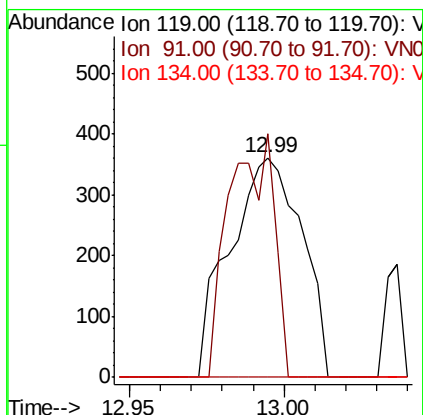
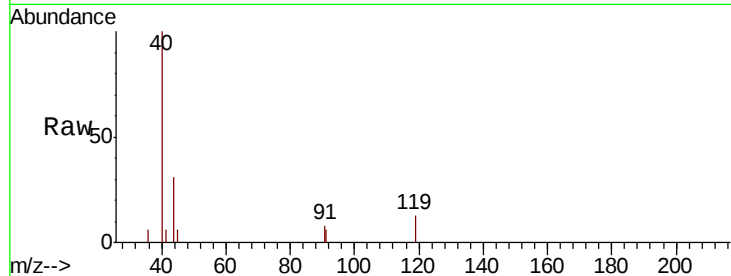




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055431.D
 Acq: 7 May 2019 12:33

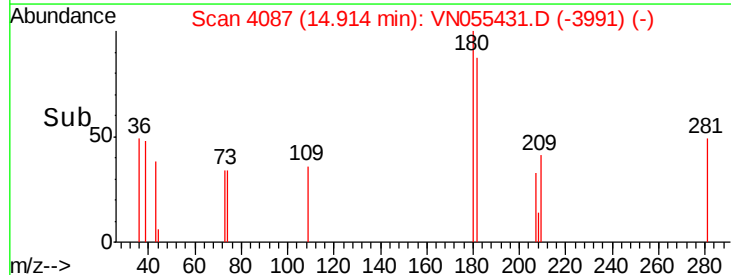
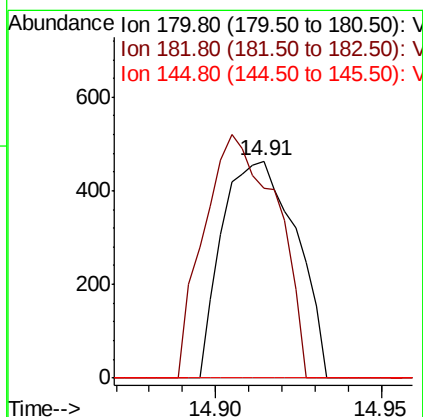
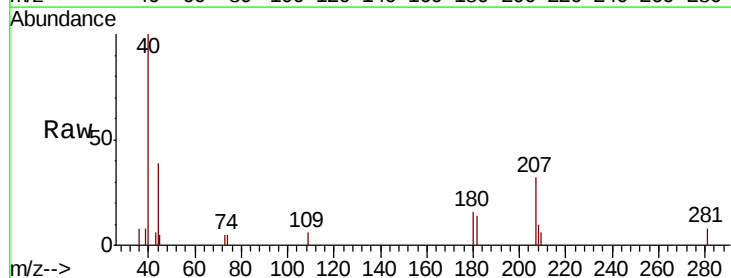
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0507WBL01

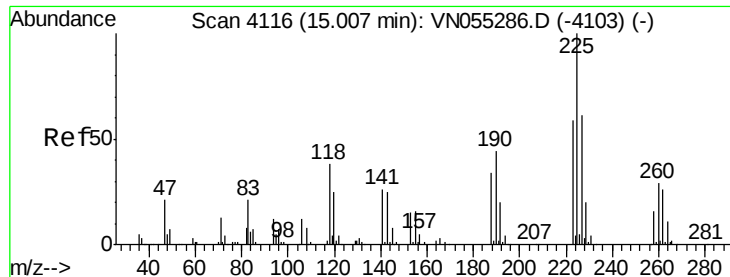
Tot Ion:119 Resp: 586
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.3 102.9
 134 0.0 13.1 39.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.660 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055431.D
 Acq: 7 May 2019 12:33

Tgt Ion:180 Resp: 719
 Ion Ratio Lower Upper
 180 100
 182 109.6 48.3 144.9
 145 0.0 14.2 42.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

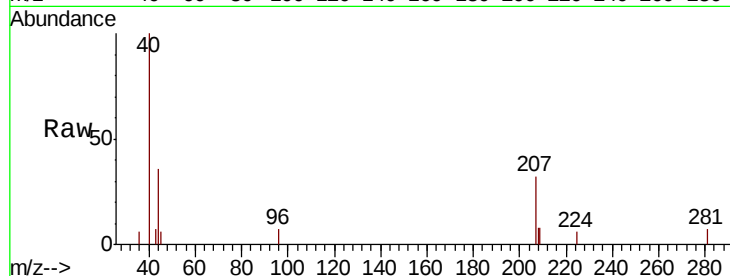
Delta R.T. 0.01 min

Lab File: VN055431.D

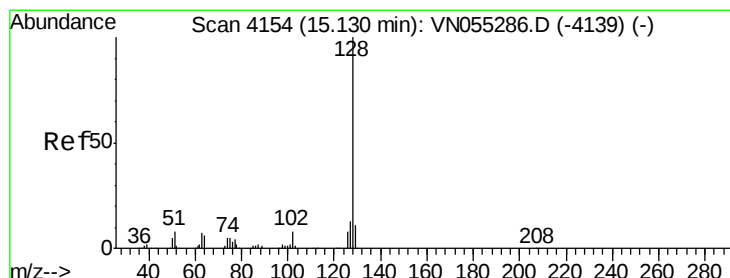
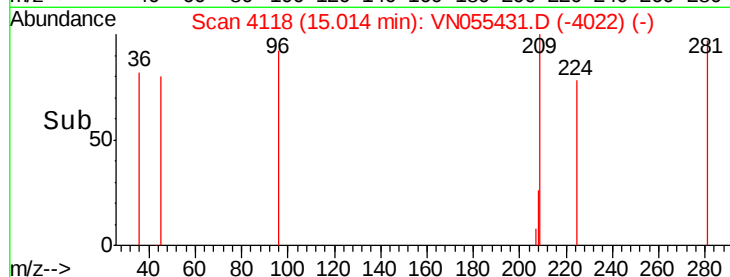
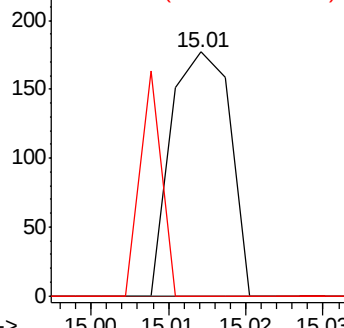
Acq: 7 May 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Tot Ion:	225	Resp:	94
Ion	Ratio	Lower	Upper
225	100		
223	0.0	30.3	90.8#
227	33.0	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.628 ug/l

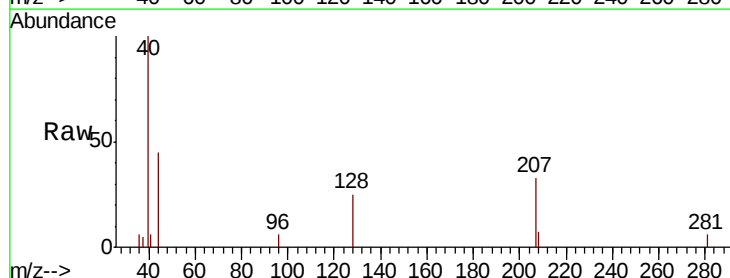
RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

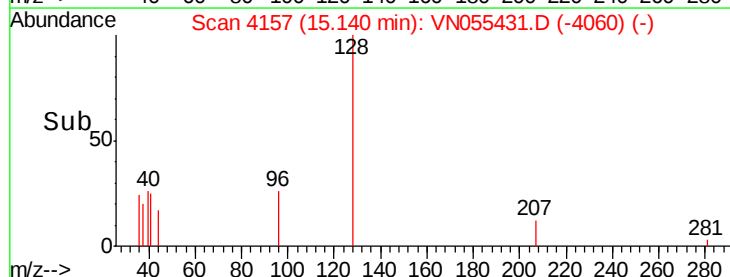
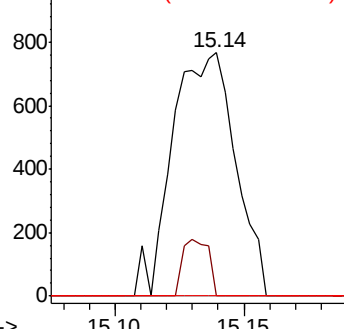
Lab File: VN055431.D

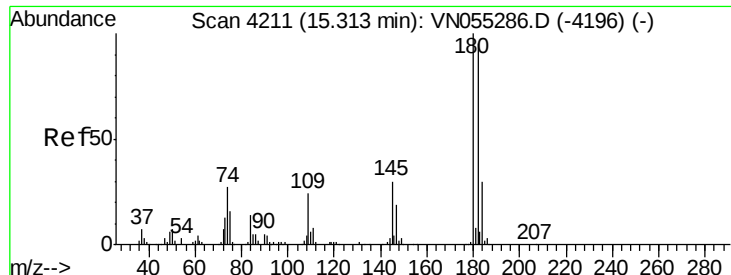
Acq: 7 May 2019 12:33

Tgt Ion:	128	Resp:	1310
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.7	16.1#
129	0.0	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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.961 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055431.D
 Acq: 7 May 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	63.7	48.3	144.9
145	14.4	15.2	45.6#

