

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055451.D
 Acq On : 7 May 2019 21:48
 Operator : JC/SP
 Sample : VN0507MBL02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBL02

Quant Time: May 08 05:53:30 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	455164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	715593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164392	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	297388	49.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.88%	
35) Dibromofluoromethane	7.59	113	228786	48.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.42%	
50) Toluene-d8	10.09	98	842554	49.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	245104	46.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.48%	

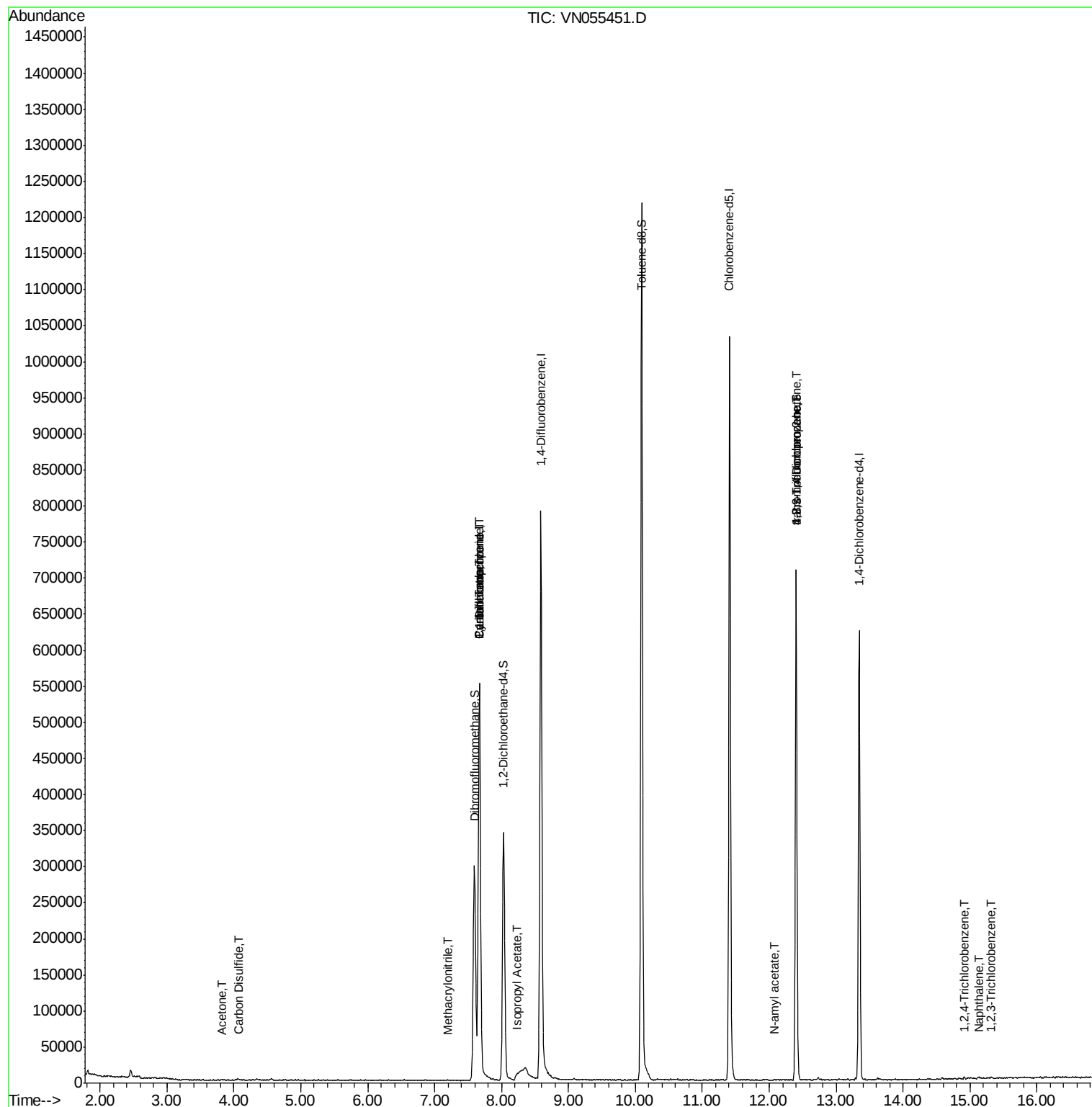
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	515	0.278	ug/l #	45
17) Carbon Disulfide	4.06	76	3410	0.291	ug/l #	74
18) Methyl Acetate	4.34	43	3242	Below Cal	#	75
31) Cyclohexane	7.67	56	10565	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	34584	5.046	ug/l #	51
38) Carbon Tetrachloride	7.67	117	43627	6.598	ug/l #	16
41) Methacrylonitrile	7.20	41	67	0.763	ug/l #	1
43) Isopropyl Acetate	8.22	43	3766	0.446	ug/l #	56
73) Isopropylbenzene	12.25	105	841	Below Cal	#	49
74) N-amyl acetate	12.08	43	1018	0.241	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.40	83	97	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	127135	41.162	ug/l #	100
79) 2-Chlorotoluene	12.77	91	795	Below Cal		80
81) trans-1,4-Dichloro-2-buten	12.40	75	127135	146.558	ug/l #	7
83) tert-Butylbenzene	12.99	119	693	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	602	3.572	ug/l	93
94) Hexachlorobutadiene	15.00	225	523	Below Cal		81
95) Naphthalene	15.14	128	1877	3.712	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.31	180	1019	3.069	ug/l	70

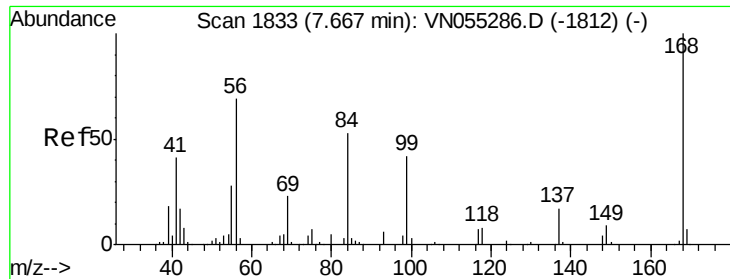
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: May 08 05:53:30 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# 1834

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

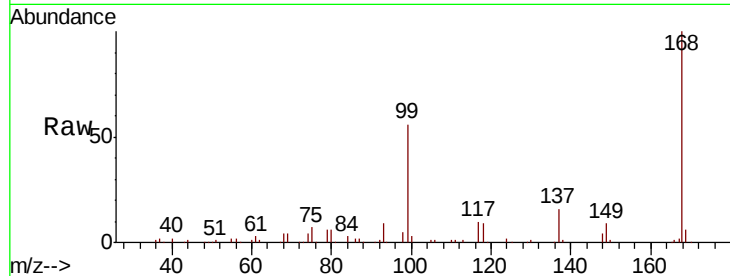
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBL02

Tot Ion:168 Resp: 455164

Ion Ratio Lower Upper

168 100

99 56.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055451.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055451.D (-1740) (-)

7.67

200000

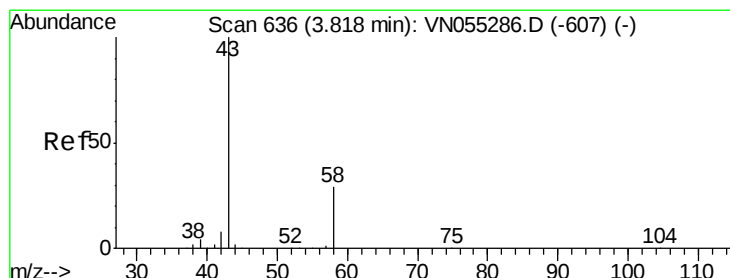
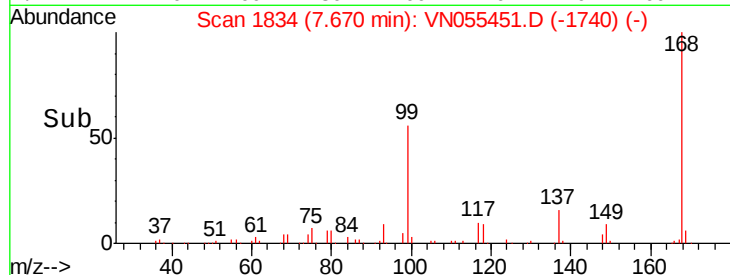
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.278 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055451.D

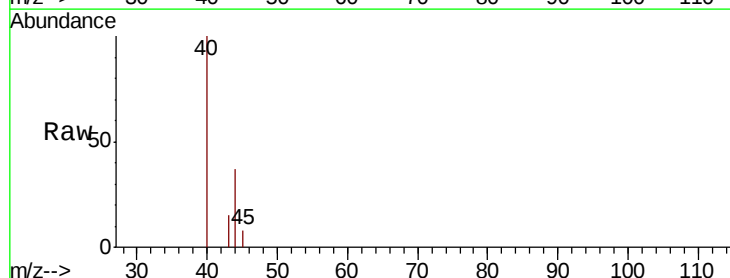
Acq: 7 May 2019 21:48

Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055451.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055451.D (-543) (-)

3.83

500

400

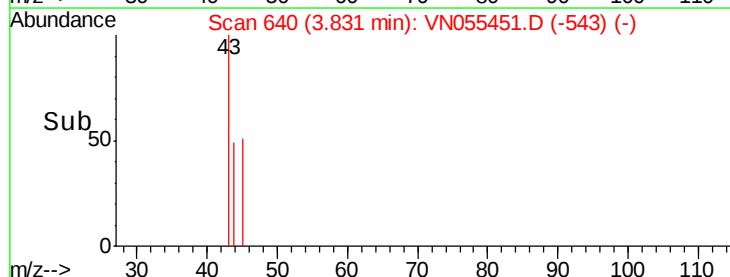
300

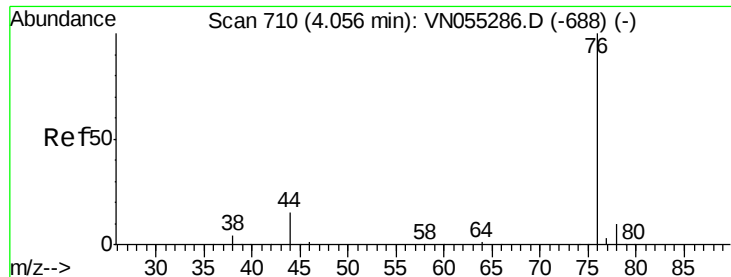
200

100

0

Time-->

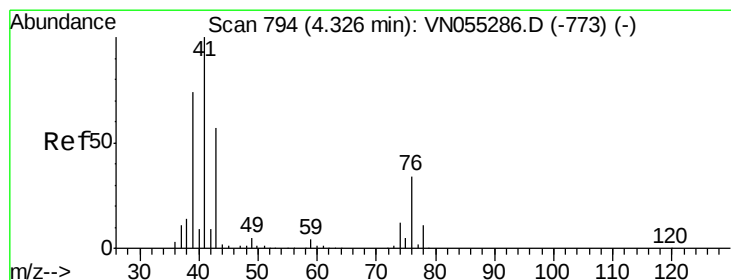
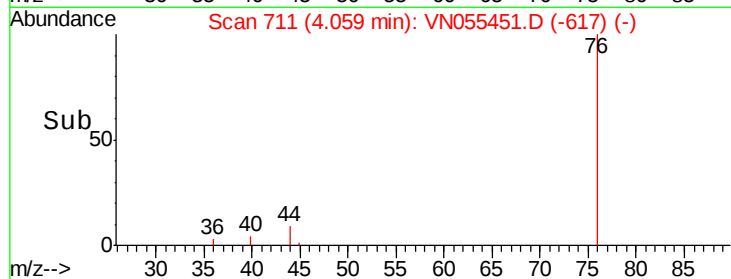
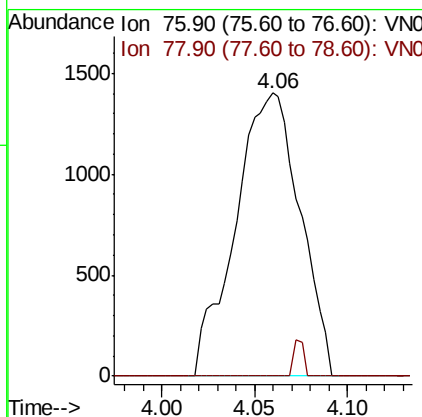
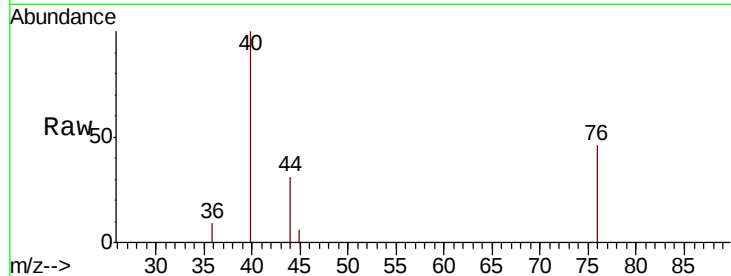




#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

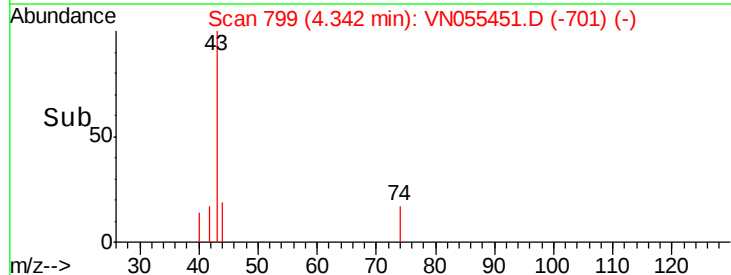
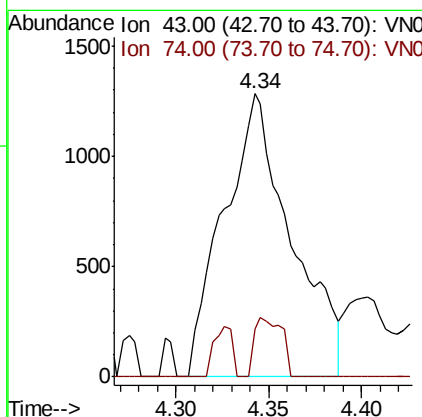
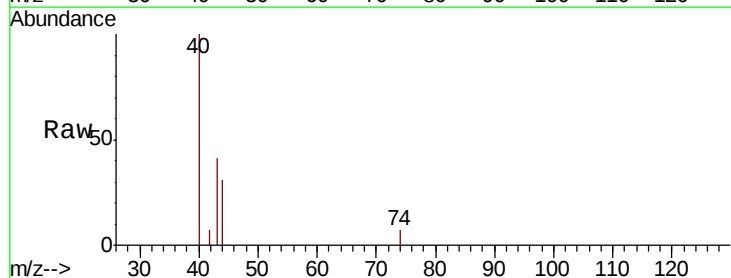
Instrument :
MSVOA_N
ClientSampled :
VN0507MBL02

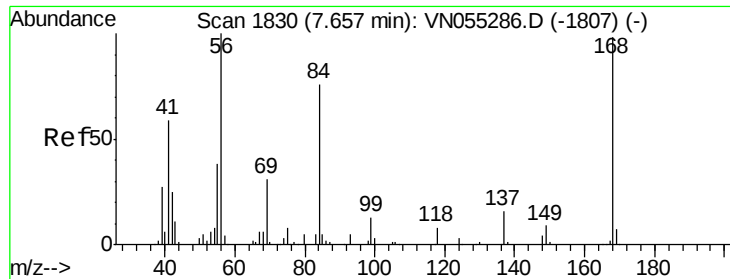
Tot Ion: 76 Resp: 3410
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

Tgt Ion: 43 Resp: 3242
Ion Ratio Lower Upper
43 100
74 8.5 15.8 23.8#

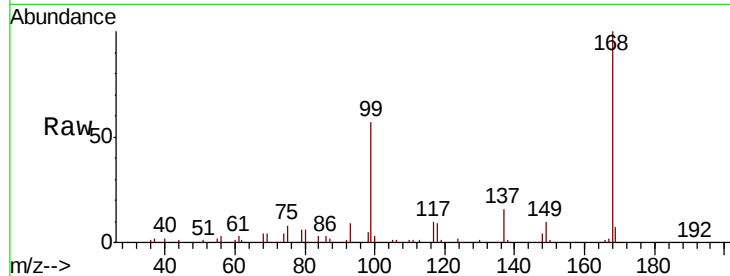




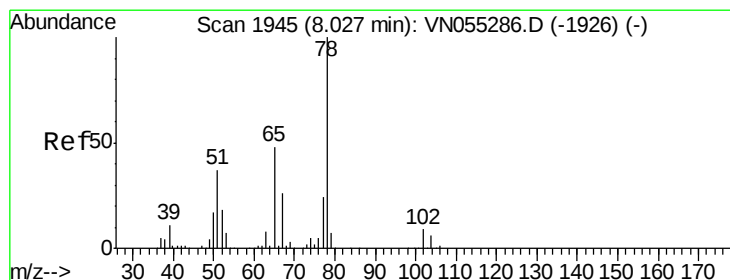
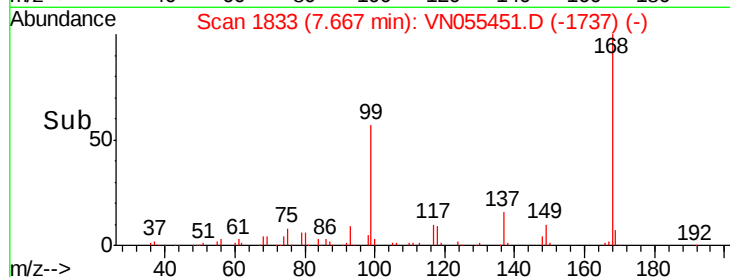
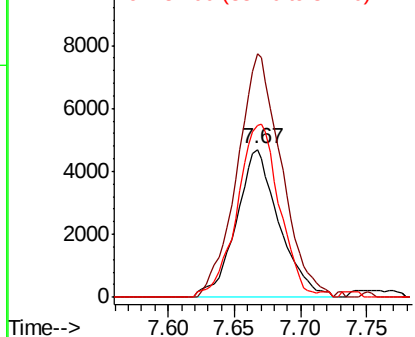
#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBL02

Tot Ion: 56 Resp: 10565
Ion Ratio Lower Upper
56 100
69 164.5 25.2 37.8#
84 122.2 61.1 91.7#

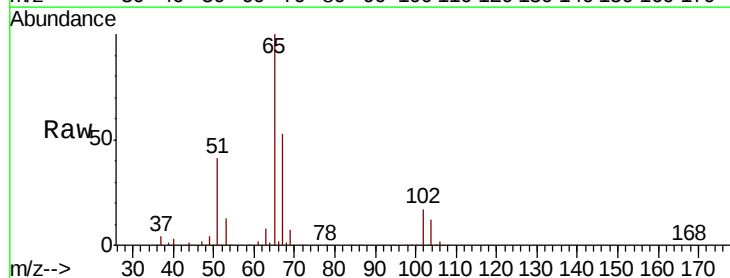


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

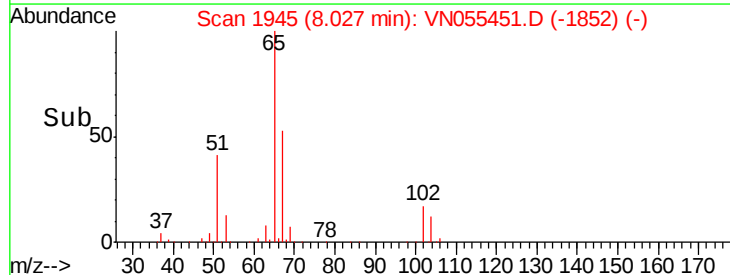
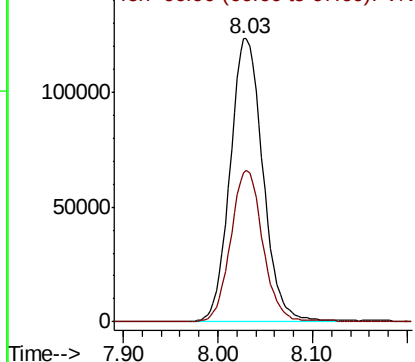


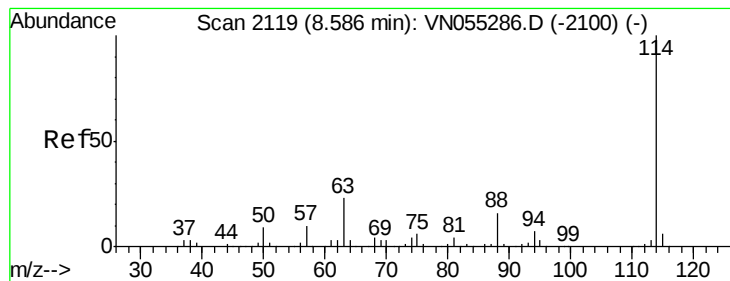
#33
1,2-Dichloroethane-d4
Concen: 49.943 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

Tgt Ion: 65 Resp: 297388
Ion Ratio Lower Upper
65 100
67 52.2 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# 2120

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBL02

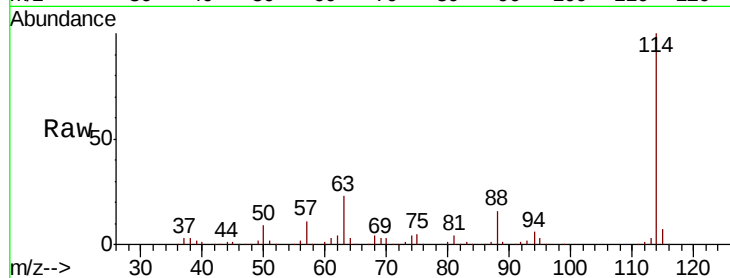
Tot Ion:114 Resp: 715593

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

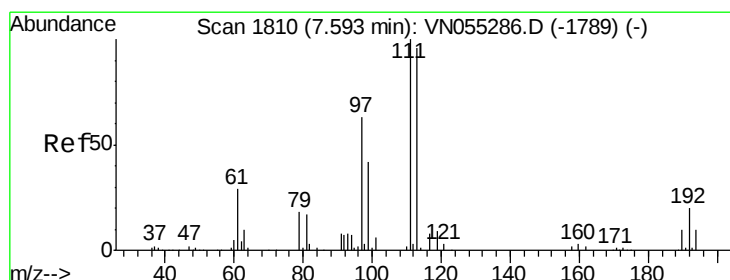
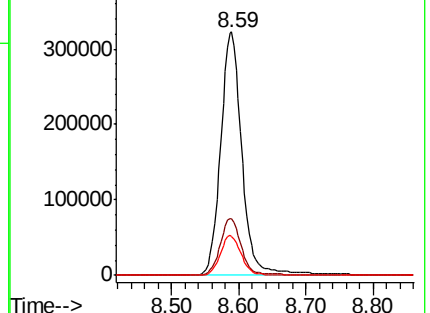
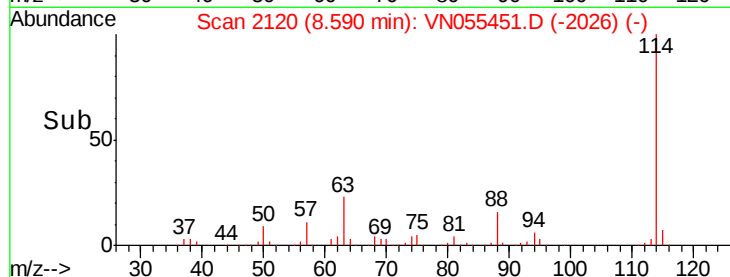
88 16.1 0.0 31.6



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: 48.710 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

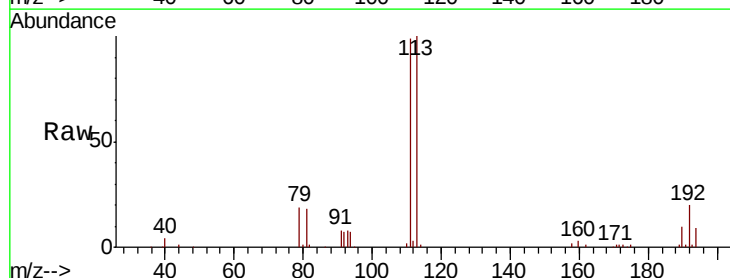
Tgt Ion:113 Resp: 228786

Ion Ratio Lower Upper

113 100

111 101.2 82.3 123.5

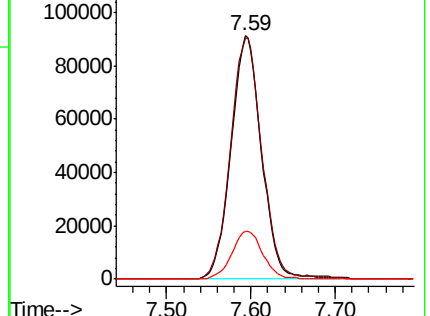
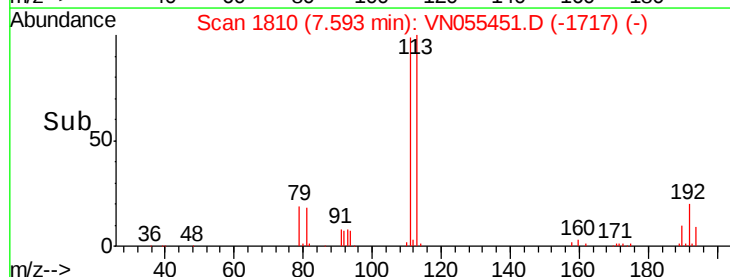
192 20.0 17.0 25.6

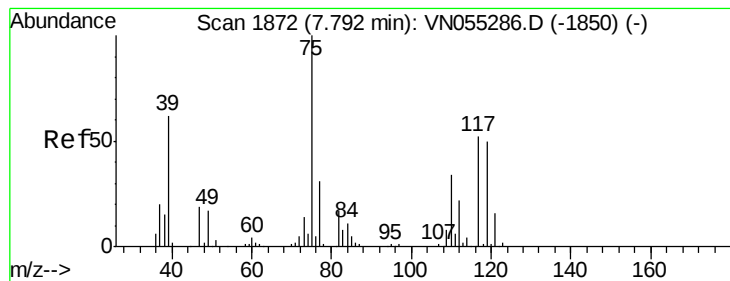


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBL02

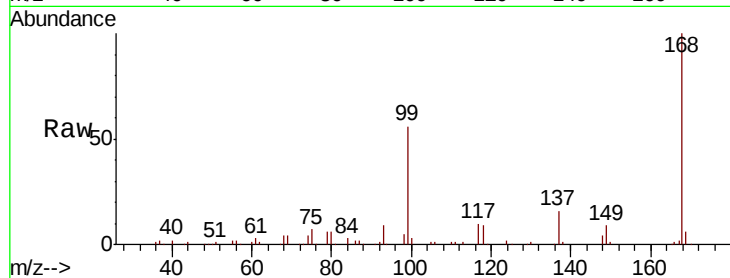
Tot Ion: 75 Resp: 34584

Ion Ratio Lower Upper

75 100

110 9.8 16.8 50.4#

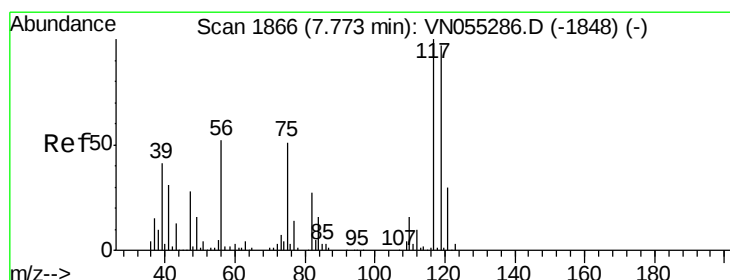
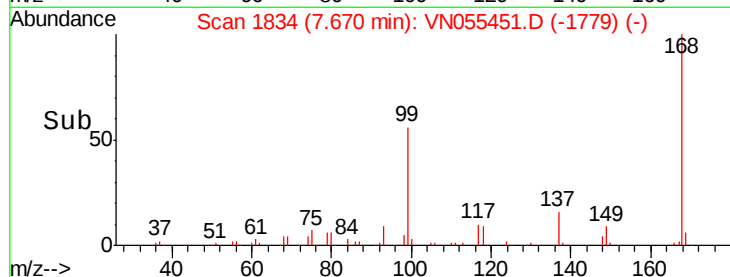
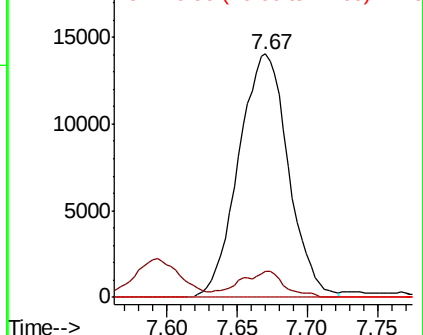
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055451.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055451.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055451.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

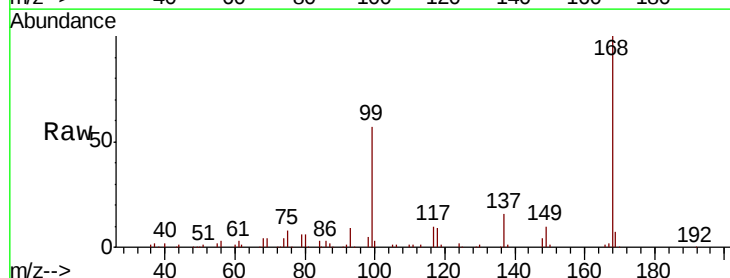
Tgt Ion: 117 Resp: 43627

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.6#

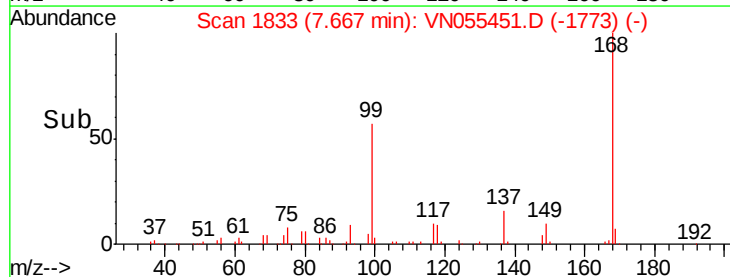
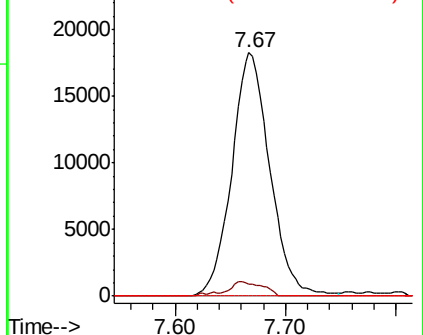
121 0.0 23.8 35.8#

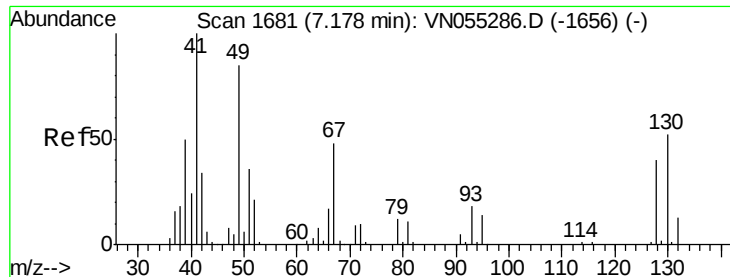


Abundance Ion 116.80 (116.50 to 117.50): VN055451.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055451.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055451.D (-1773) (-)

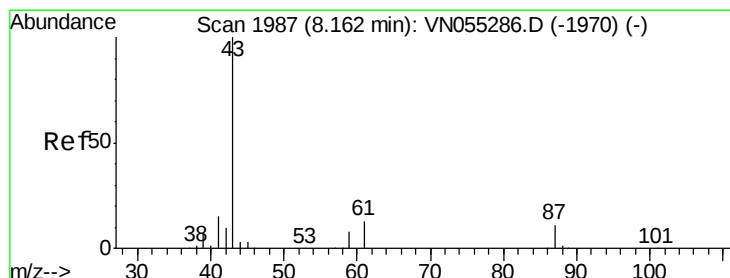
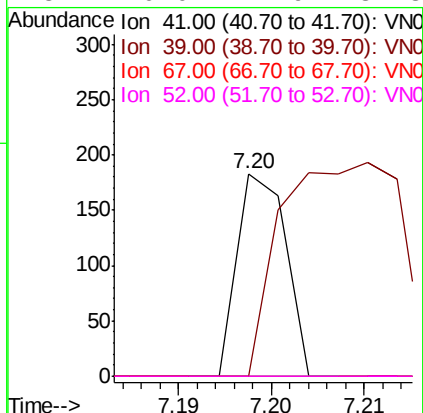
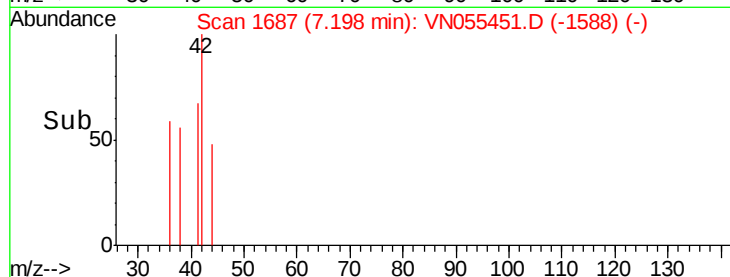
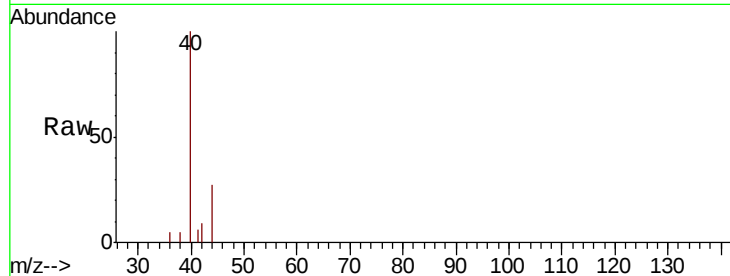




#41
Methacrylonitrile
Concen: 0.763 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

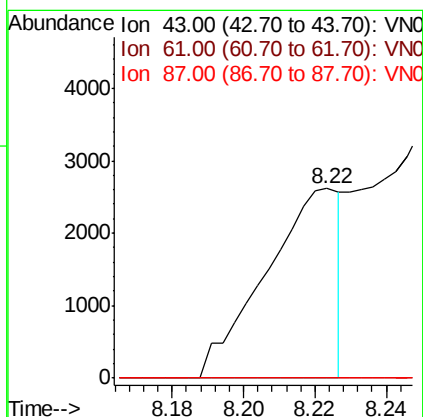
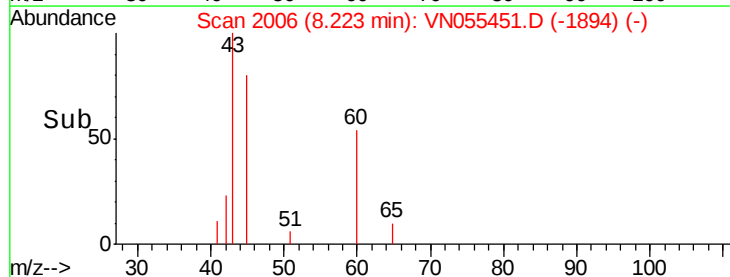
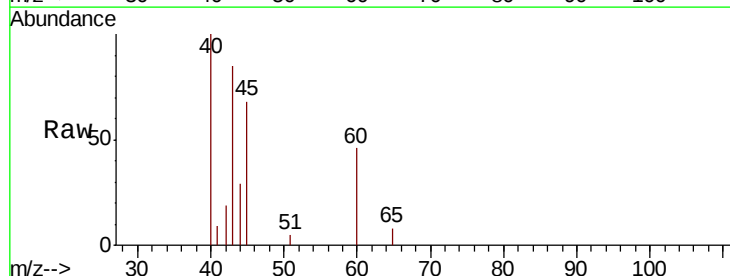
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBL02

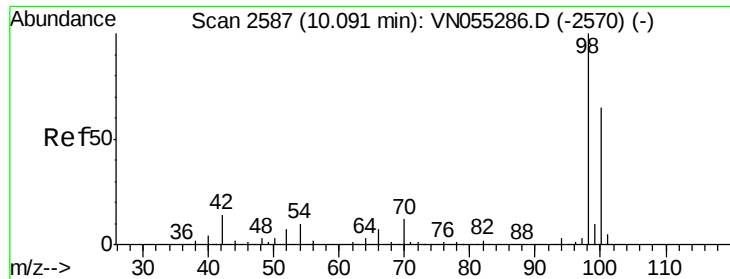
Tot Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
39 255.2 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 0.446 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN055451.D
Acq: 7 May 2019 21:48

Tgt Ion: 43 Resp: 3766
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 49.679 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

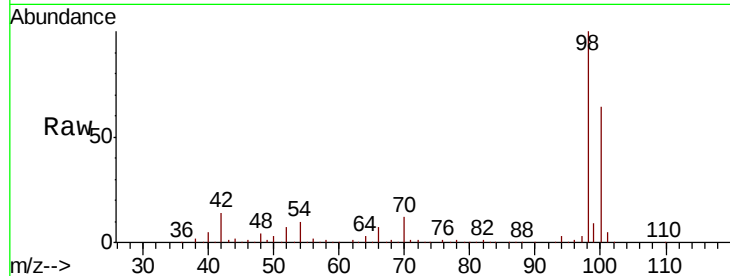
VN0507MBL02

Tot Ion: 98 Resp: 842554

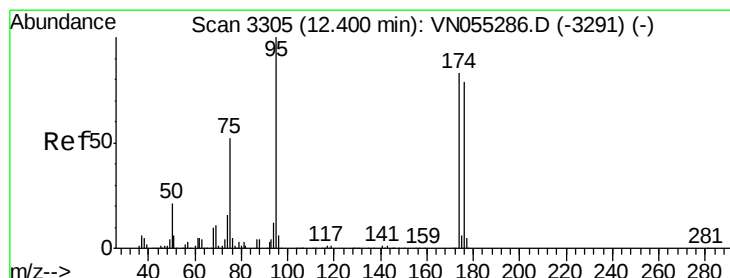
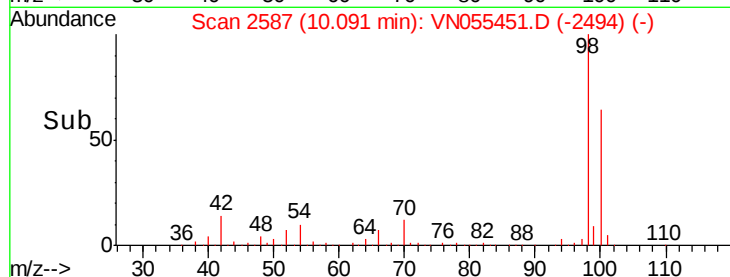
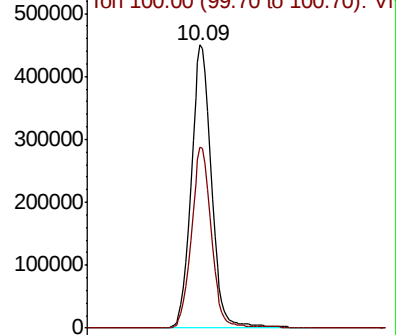
Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 46.241 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

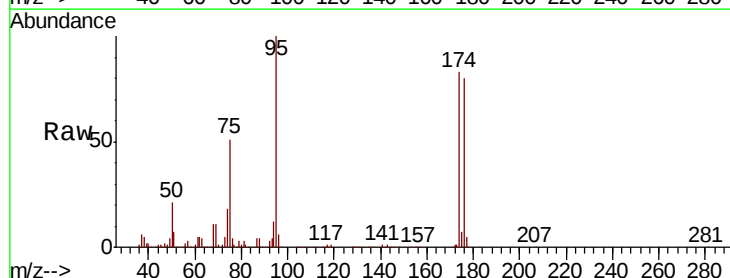
Tgt Ion: 95 Resp: 245104

Ion Ratio Lower Upper

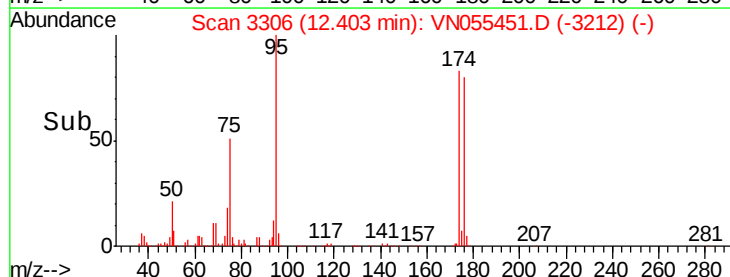
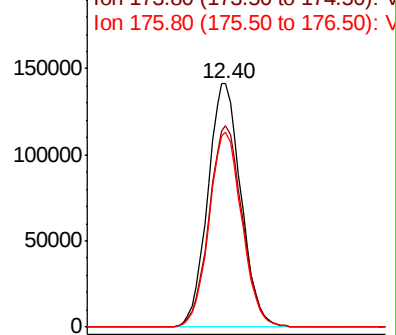
95 100

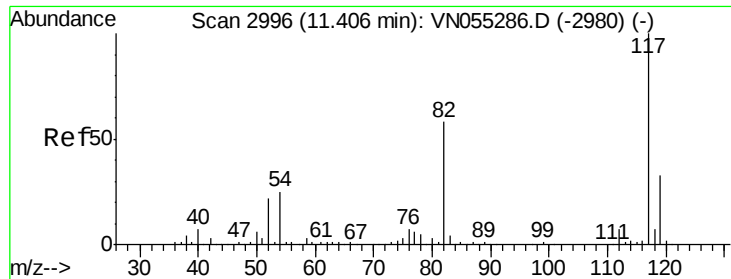
174 83.1 0.0 166.6

176 79.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBL02

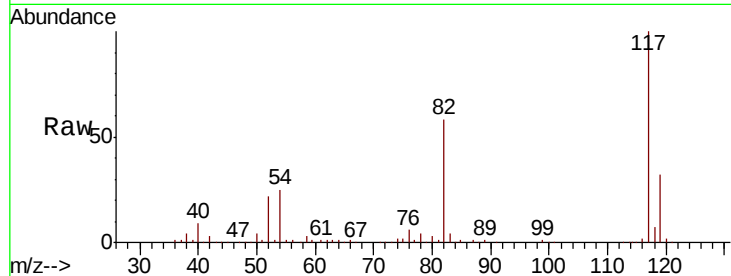
Tot Ion:117 Resp: 582192

Ion Ratio Lower Upper

117 100

82 57.8 46.2 69.4

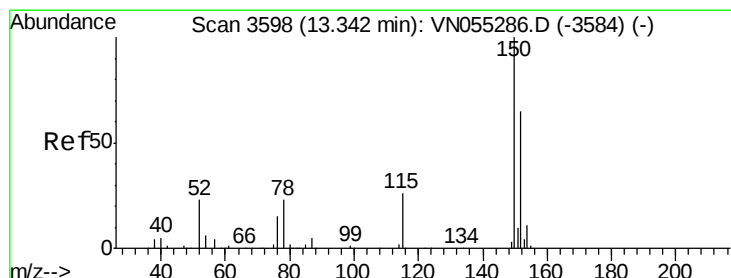
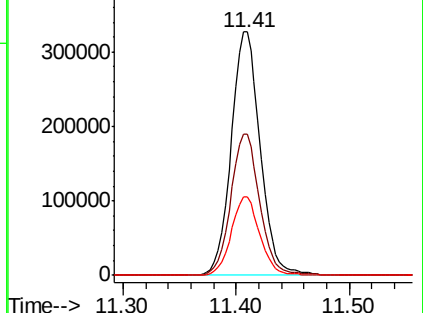
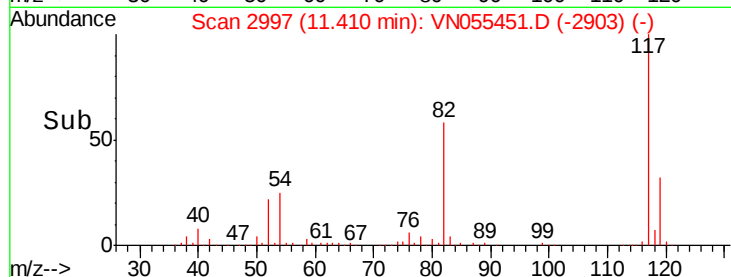
119 32.2 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN055451.D

Acq: 7 May 2019 21:48

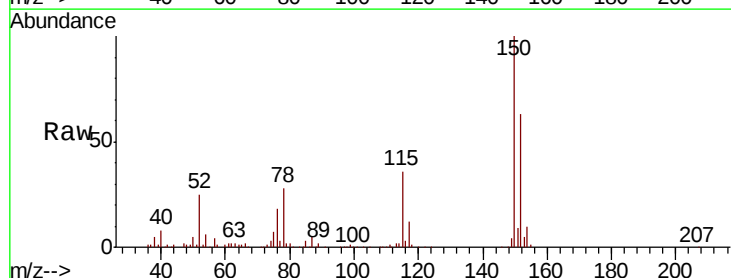
Tgt Ion:152 Resp: 164392

Ion Ratio Lower Upper

152 100

115 57.4 29.0 87.0

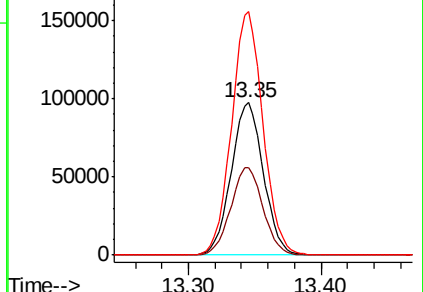
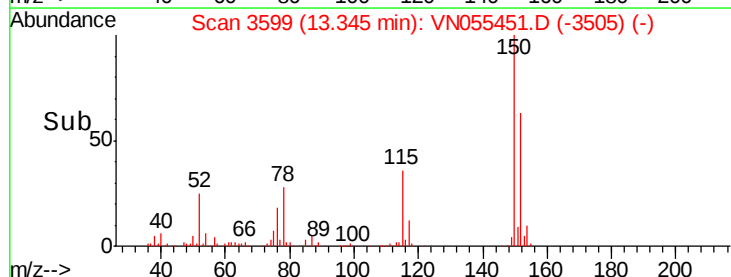
150 155.5 0.0 345.6

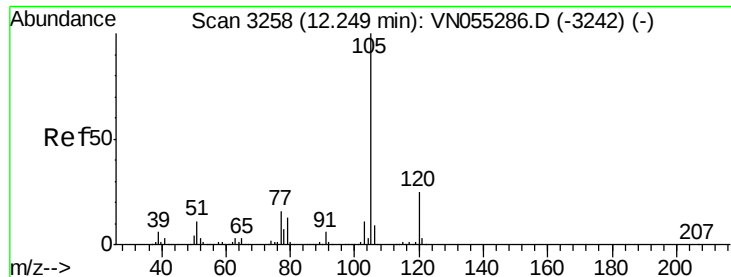


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampled :

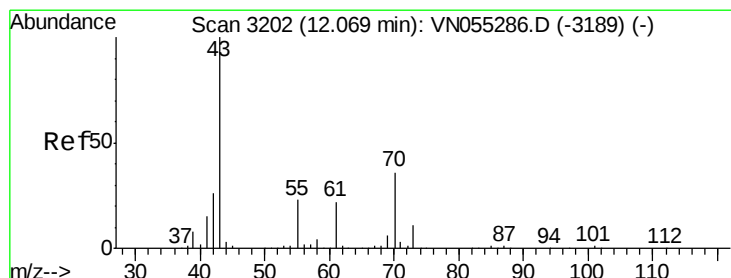
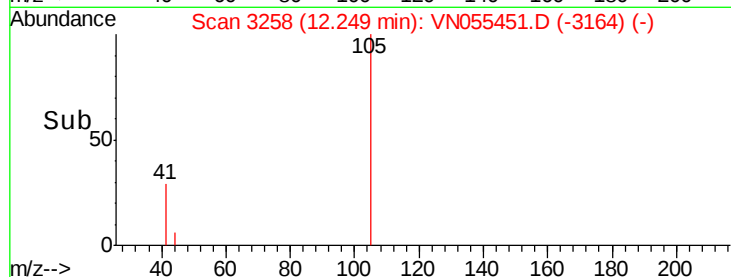
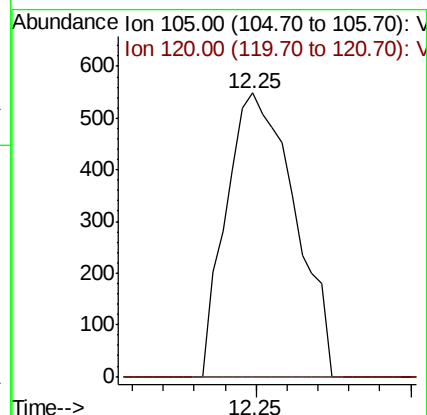
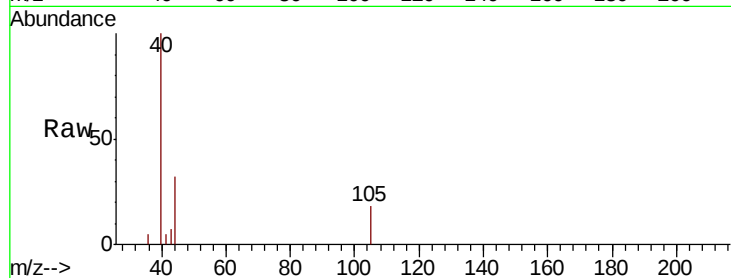
VN0507MBL02

Tot Ion:105 Resp: 841

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



#74

N-ethyl acetate

Concen: 0.241 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Tgt Ion: 43 Resp: 1018

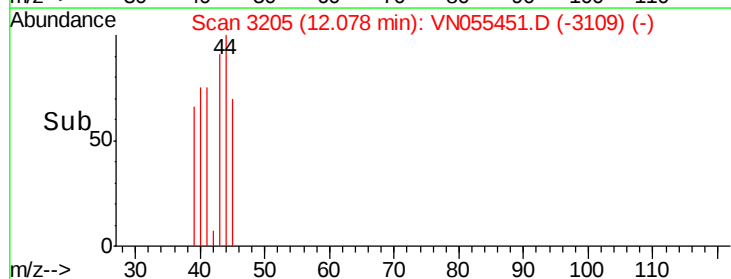
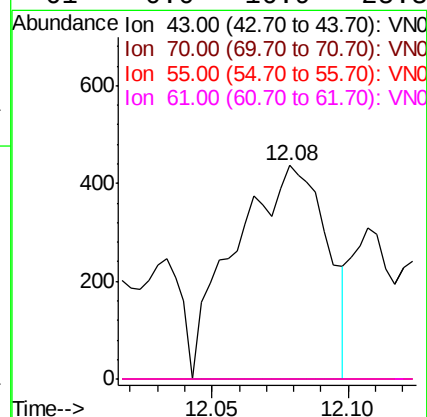
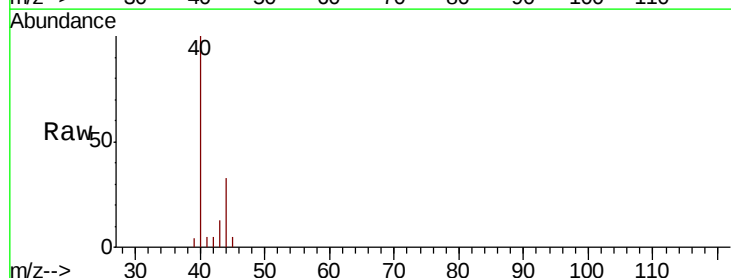
Ion Ratio Lower Upper

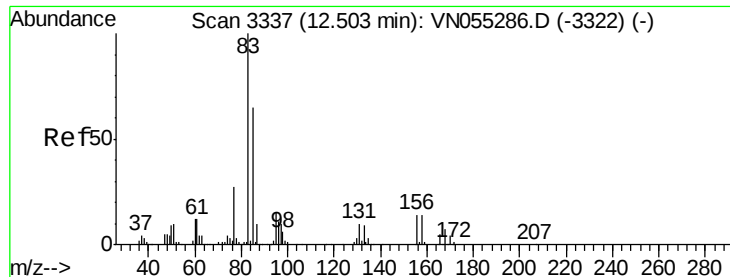
43 100

70 0.0 27.9 41.9#

55 0.0 18.2 27.2#

61 0.0 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBL02

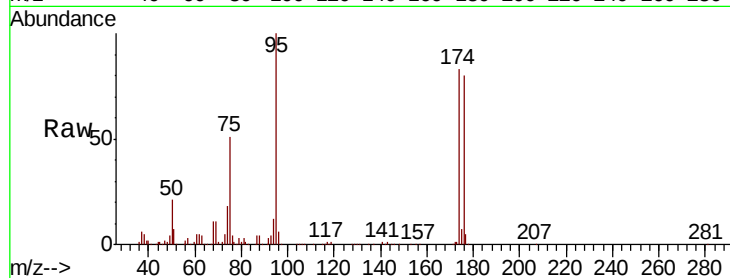
Tot Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 257.7 5.1 15.2#

85 0.0 32.3 96.8#

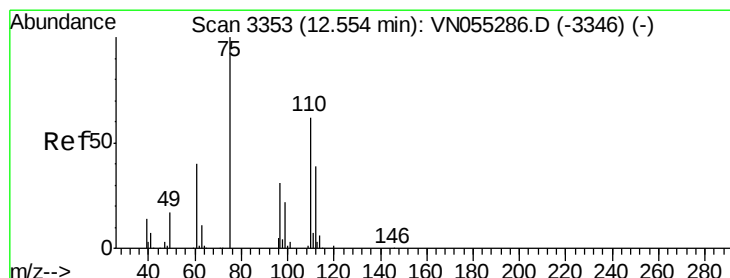
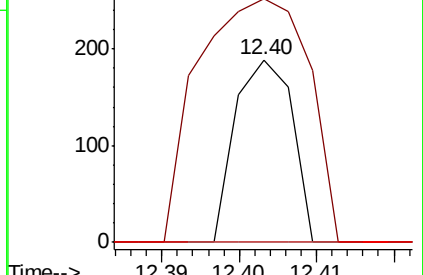
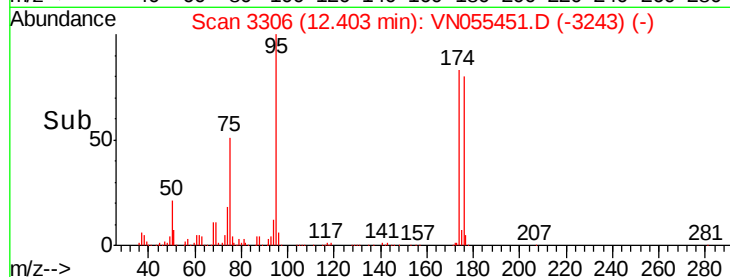


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->



#76

1,2,3-Trichloropropane

Concen: 41.162 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055451.D

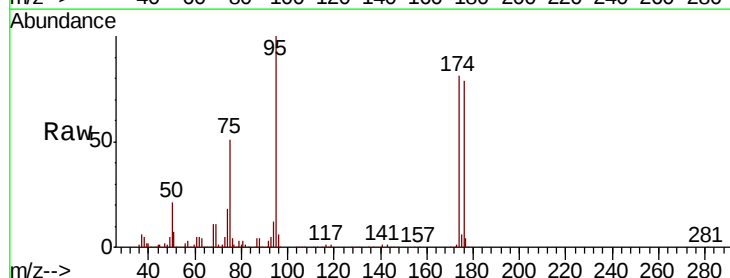
Acq: 7 May 2019 21:48

Tgt Ion: 75 Resp: 127135

Ion Ratio Lower Upper

75 100

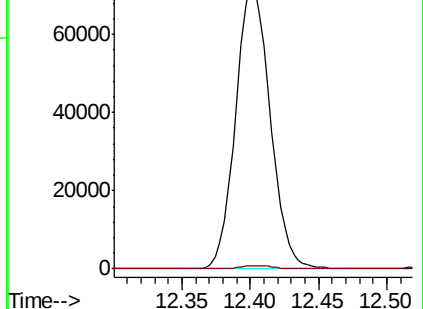
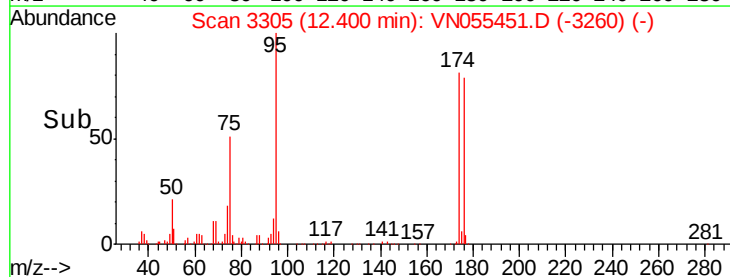
77 1.1 0.0 0.0#

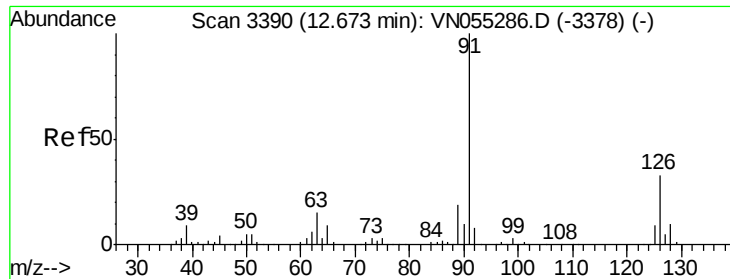


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->

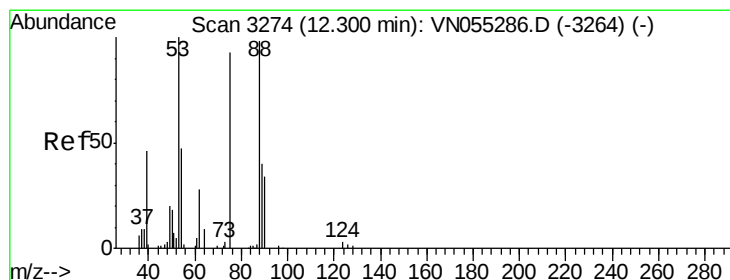
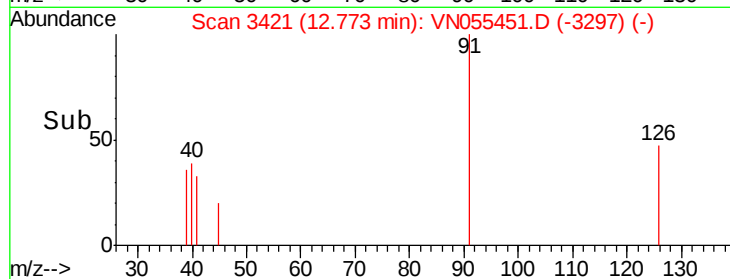
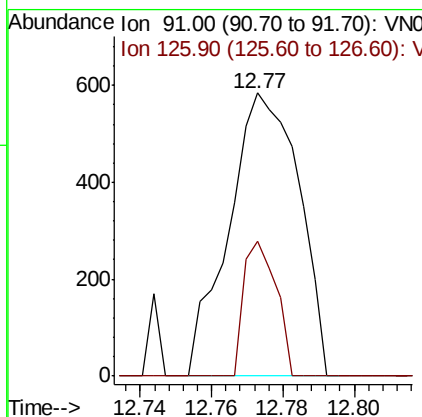
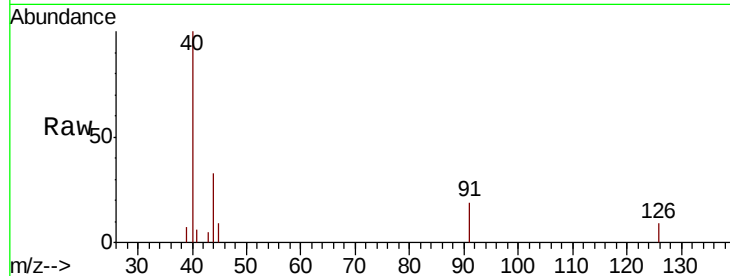




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.10 min
 Lab File: VN055451.D
 Acq: 7 May 2019 21:48

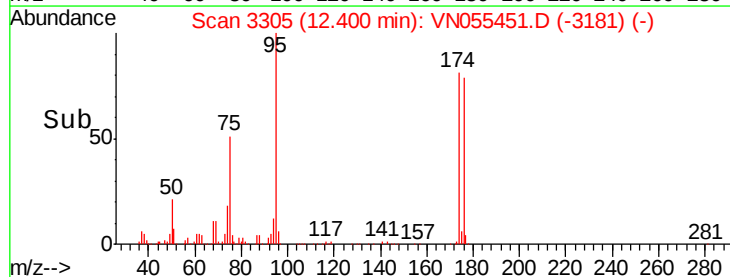
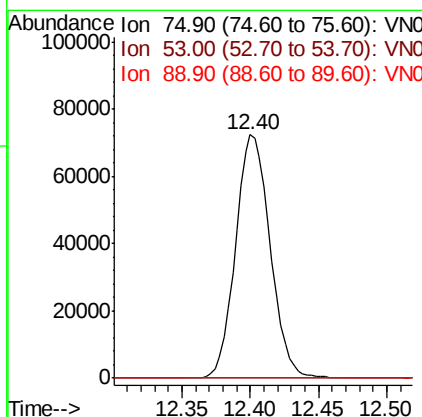
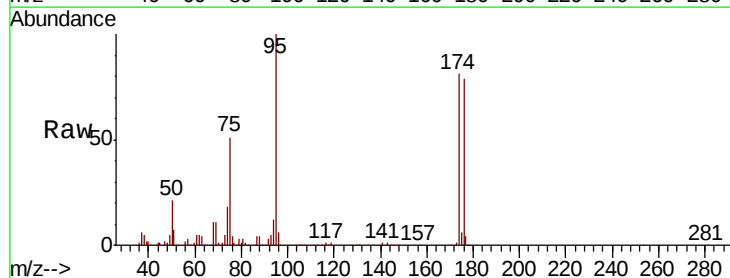
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBL02

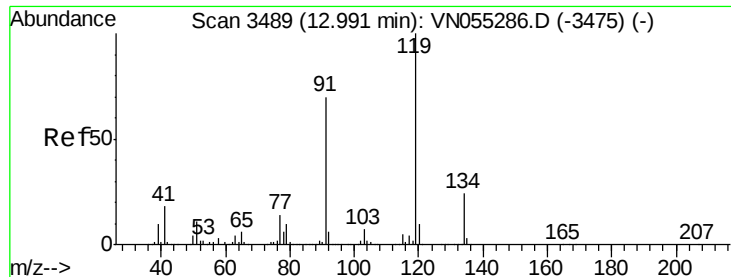
Tot Ion: 91 Resp: 795
 Ion Ratio Lower Upper
 91 100
 126 21.9 16.6 49.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.558 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055451.D
 Acq: 7 May 2019 21:48

Tgt Ion: 75 Resp: 127135
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.3 129.5#
 89 0.1 34.6 51.8#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBL02

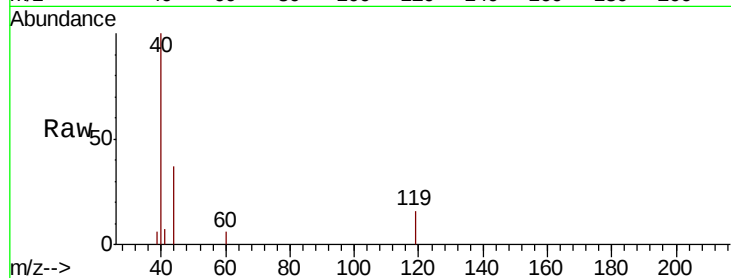
Tot Ion:119 Resp: 693

Ion Ratio Lower Upper

119 100

91 0.0 34.3 102.9#

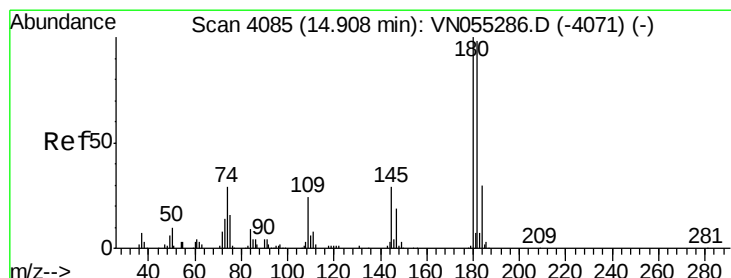
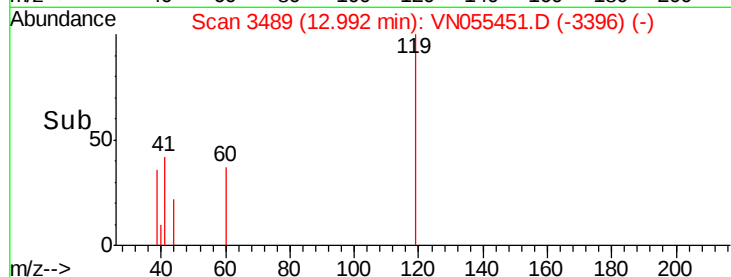
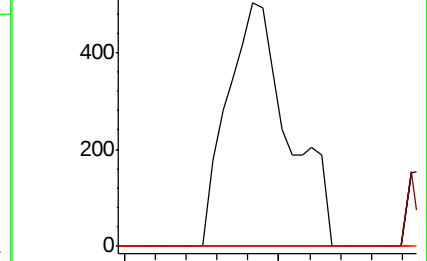
134 0.0 13.1 39.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 3.572 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

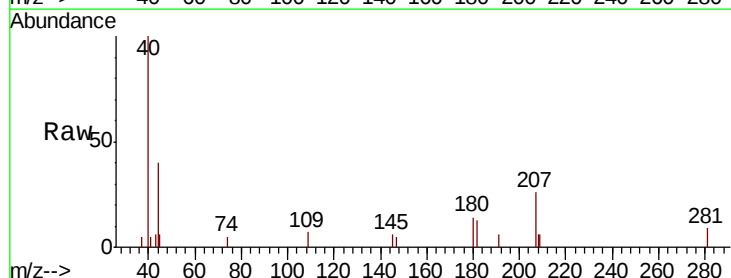
Tgt Ion:180 Resp: 602

Ion Ratio Lower Upper

180 100

182 92.5 48.3 144.9

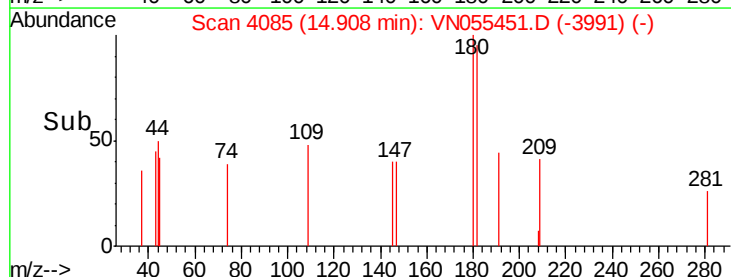
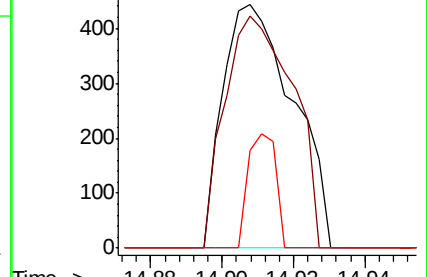
145 18.6 14.2 42.6

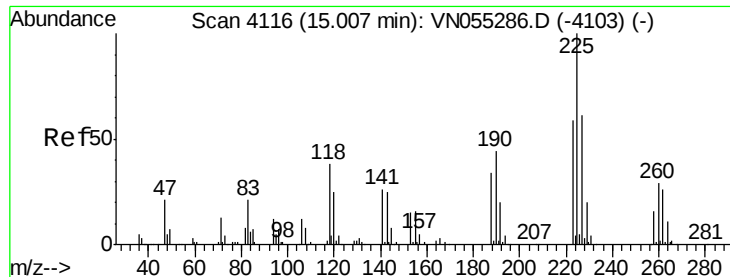


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4114

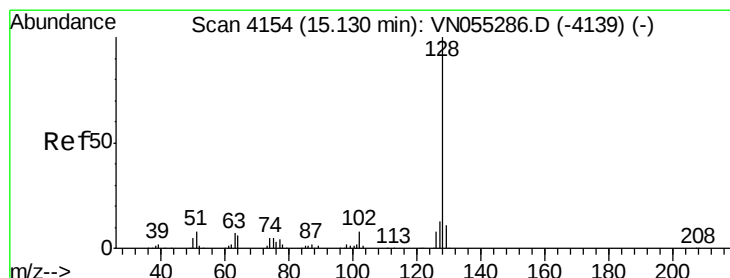
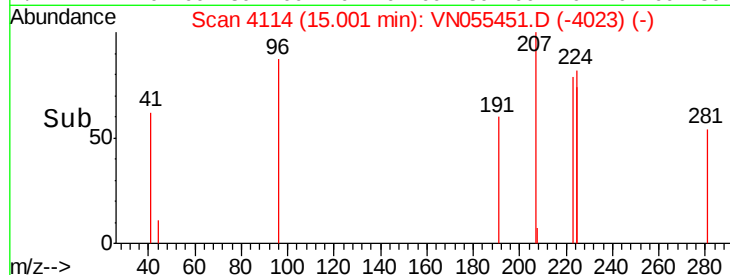
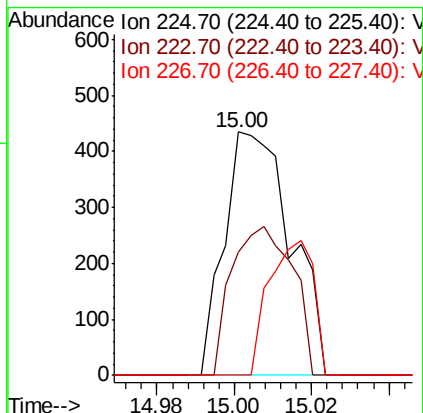
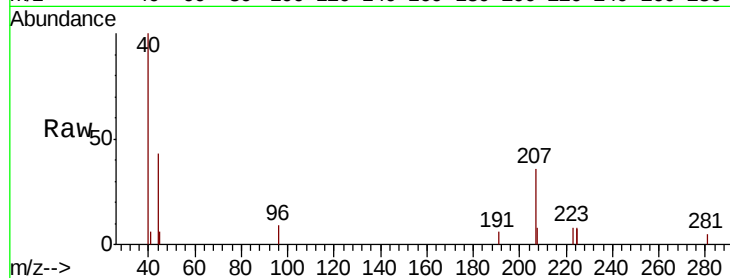
Delta R.T. -0.01 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Instrument :
MSVOA_N
ClientSampled :
VN0507MBL02

Tot Ion:	225	Resp:	523
Ion	Ratio	Lower	Upper
225	100		
223	55.4	30.3	90.8
227	37.3	30.9	92.7



#95

Naphthalene

Concen: 3.712 ug/l

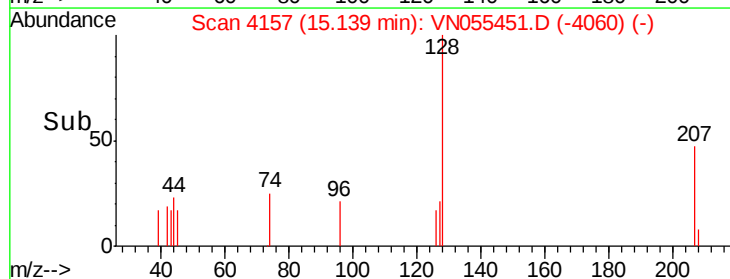
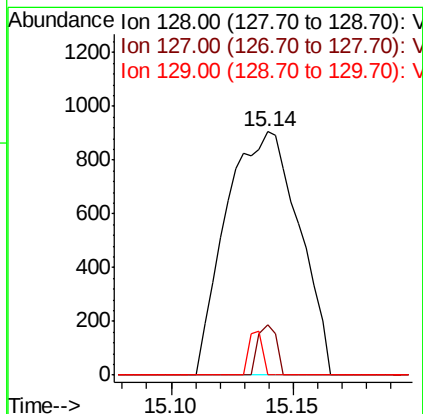
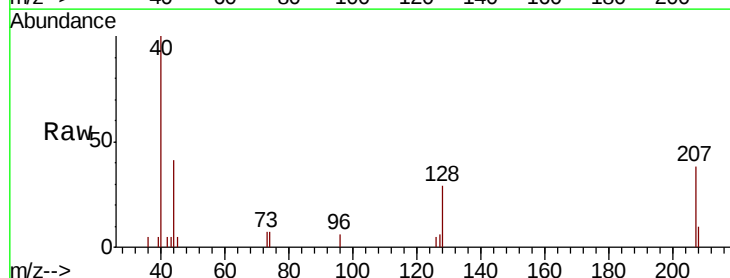
RT: 15.14 min Scan# 4157

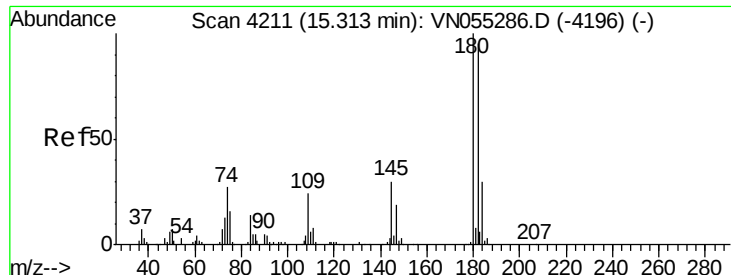
Delta R.T. 0.01 min

Lab File: VN055451.D

Acq: 7 May 2019 21:48

Tgt Ion:	128	Resp:	1877
Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.7	16.1#
129	3.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.069 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055451.D
 Acq: 7 May 2019 21:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	60.0	48.3	144.9
145	26.0	15.2	45.6

